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Appendix D
Soil Boring Logs

Appendix D
Soil Boring Logs Summary Sheet

Soil Boring ID	Sample Date
SSHS-B853	1/8/2018
SSHS-B869	1/8/2018
SSHS-B929	1/8/2018
SSHS-B835	1/9/2018
SSHS-B838	1/9/2018
SSHS-B854	1/9/2018
SSHS-B864	1/9/2018
SSHS-B894	1/9/2018
SSHS-B895	1/9/2018
SSHS-B904	1/9/2018
SSHS-B936	1/9/2018
SSHS-B938	1/9/2018
SSHS-B829	1/10/2018
SSHS-B831	1/10/2018
SSHS-B832	1/10/2018
SSHS-B855	1/10/2018
SSHS-B897	1/10/2018
SSHS-B931	1/10/2018
SSHS-B932	1/10/2018
SSHS-B934	1/10/2018
SSHS-B935	1/10/2018
SSHS-B943	1/10/2018
SSHS-B830	1/11/2018
SSHS-B846	1/11/2018
SSHS-B873	1/11/2018
SSHS-B880	1/11/2018
SSHS-B884	1/11/2018
SSHS-B901	1/11/2018
SSHS-B907	1/11/2018
SSHS-B909	1/11/2018
SSHS-B910	1/11/2018
SSHS-B921	1/11/2018
SSHS-B939	1/11/2018
SSHS-B834	1/12/2018
SSHS-B836	1/12/2018
SSHS-B887	1/12/2018
SSHS-B889	1/12/2018
SSHS-B898	1/12/2018
SSHS-B915	1/12/2018
SSHS-B919	1/12/2018
SSHS-B922	1/12/2018

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Soil Boring ID	Sample Date
SSHS-B925	1/12/2018
SSHS-B828	1/14/2018
SSHS-B941	1/14/2018
SSHS-B942	1/14/2018
SSHS-B892	1/16/2018
SSHS-B916	1/16/2018
SSHS-B920	1/16/2018
SSHS-B930	1/16/2018
SSHS-B856	1/17/2018
SSHS-B885	1/17/2018
SSHS-B905	1/17/2018
SSHS-B839	1/18/2018
SSHS-B845	1/18/2018
SSHS-B850	1/18/2018
SSHS-B851	1/18/2018
SSHS-B877	1/18/2018
SSHS-B917	1/18/2018
SSHS-B918	1/18/2018
SSHS-B926	1/18/2018
SSHS-B843	1/19/2018
SSHS-B844	1/19/2018
SSHS-B852	1/19/2018
SSHS-B879	1/19/2018
SSHS-B886	1/19/2018
SSHS-B891	1/19/2018
SSHS-B893	1/19/2018
SSHS-B911	1/19/2018
SSHS-B924	1/19/2018
SSHS-B933	1/19/2018
SSHS-B937	1/19/2018
SSHS-B837	1/20/2018
SSHS-B840	1/20/2018
SSHS-B841	1/20/2018
SSHS-B847	1/20/2018
SSHS-B848	1/20/2018
SSHS-B857	1/20/2018
SSHS-B874	1/20/2018
SSHS-B875	1/20/2018
SSHS-B878	1/20/2018
SSHS-B883	1/20/2018
SSHS-B906	1/20/2018
SSHS-B912	1/20/2018
SSHS-B944	1/20/2018
SSHS-B842	1/22/2018
SSHS-B849	1/22/2018
SSHS-B881	1/22/2018

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Soil Boring ID	Sample Date
SSHS-B888	1/22/2018
SSHS-B890	1/22/2018
SSHS-B913	1/22/2018
SSHS-B914	1/22/2018
SSHS-B940	1/22/2018
SSHS-B945	1/22/2018
SSHS-B946	1/22/2018
SSHS-B947	1/22/2018
SSHS-B948	1/23/2018
SSHS-B955	2/27/2018
SSHS-B956	2/27/2018
SSHS-B951	2/28/2018
SSHS-B957	2/28/2018
SSHS-B959	2/28/2018
SSHS-B960	2/28/2018
SSHS-B981	2/28/2018
SSHS-B982	2/28/2018
SSHS-B983	2/28/2018
SSHS-B985	2/28/2018
SSHS-B998	2/28/2018
SSHS-B965	3/1/2018
SSHS-B968	3/1/2018
SSHS-B969	3/1/2018
SSHS-B970	3/1/2018
SSHS-B977	3/1/2018
SSHS-B984	3/1/2018
SSHS-B993	3/1/2018
SSHS-B994	3/1/2018
SSHS-B995	3/1/2018
SSHS-B974	3/3/2018
SSHS-B1004	3/3/2018
SSHS-B1005	3/3/2018
SSHS-B1006	3/3/2018
SSHS-B1007	3/3/2018
SSHS-B1008	3/3/2018
SSHS-B950	3/4/2018
SSHS-B952	3/4/2018
SSHS-B953	3/4/2018
SSHS-B958	3/4/2018
SSHS-B963	3/4/2018
SSHS-B967	3/4/2018
SSHS-B976	3/4/2018
SSHS-B979	3/4/2018
SSHS-B980	3/4/2018
SSHS-B992	3/4/2018
SSHS-B954	3/5/2018

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Soil Boring ID	Sample Date
SSHS-B961	3/5/2018
SSHS-B962	3/5/2018
SSHS-B973	3/5/2018
SSHS-B975	3/5/2018
SSHS-B978	3/5/2018
SSHS-B986	3/5/2018
SSHS-B989	3/5/2018
SSHS-B1009	4/24/2018
SSHS-B1010	4/24/2018
SSHS-B1016	4/24/2018
SSHS-B1017	4/24/2018
SSHS-B1026	4/24/2018
SSHS-B1014	4/25/2018
SSHS-B1015	4/25/2018
SSHS-B1024	4/25/2018
SSHS-B1018	4/26/2018
SSHS-B1020	4/26/2018
SSHS-B1023b	4/26/2018
SSHS-B1025	4/26/2018
SSHS-B1055	5/22/2018
SSHS-B1056	5/22/2018
SSHS-B1057	5/22/2018
SSHS-B1058	5/22/2018
SSHS-B1059	5/22/2018
SSHS-B1063	6/16/2018
SSHS-B1189	6/16/2018
SSHS-B1189B	6/16/2018
SSHS-B1193	6/16/2018
SSHS-B1196	6/16/2018
SSHS-B1190	6/19/2018
SSHS-B1191	6/19/2018
SSHS-B1075	6/23/2018
SSHS-B1194b	6/23/2018
SSHS-B1068b	6/24/2018
SSHS-B1070	6/24/2018
SSHS-B1073	6/24/2018
SSHS-B1064b	6/26/2018
SSHS-B1071	6/26/2018
SSHS-B1069	6/26/2018
SSHS-B1192	6/26/2018
SSHS-B1195	6/26/2018
SSHS-B1212	6/26/2018
SSHS-B1084	6/28/2018
SSHS-B1229	6/28/2018
SSHS-B1234	6/28/2018
SSHS-B1064	6/29/2018

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Soil Boring ID	Sample Date
SSHS-B1074	6/29/2018
SSHS-B1076	6/29/2018
SSHS-B1080B	6/29/2018
SSHS-B1088	6/29/2018
SSHS-B1109	6/29/2018
SSHS-B1194	6/29/2018
SSHS-B1202	6/29/2018
SSHS-B1214	6/29/2018
SSHS-B1216	6/29/2018
SSHS-B1231	6/29/2018
SSHS-B1232	6/29/2018
SSHS-B1242	6/29/2018
SSHS-B1243	6/29/2018
SSHS-B1077	6/30/2018
SSHS-B1079	6/30/2018
SSHS-B1105	6/30/2018
SSHS-B1160	6/30/2018
SSHS-B1203	6/30/2018
SSHS-B1215	6/30/2018
SSHS-B1221	6/30/2018
SSHS-B1230	6/30/2018
SSHS-B1068	7/1/2018
SSHS-B1204	7/1/2018
SSHS-B1219	7/1/2018
SSHS-B1224	7/1/2018
SSHS-B1244	7/1/2018
SSHS-B1251	7/1/2018
SSHS-B1252	7/1/2018
SSHS-B1254	7/1/2018
SSHS-B1206	7/2/2018
SSHS-B1220	7/2/2018
SSHS-B1223	7/2/2018
SSHS-B1233	7/2/2018
SSHS-B1235	7/2/2018
SSHS-B1236	7/2/2018
SSHS-B1237	7/2/2018
SSHS-B1104	7/5/2018
SSHS-B1162	7/5/2018
SSHS-B1198	7/5/2018
SSHS-B1205	7/5/2018
SSHS-B1076b	7/6/2018
SSHS-B1081	7/6/2018
SSHS-B1086	7/6/2018
SSHS-B1091	7/6/2018
SSHS-B1092	7/6/2018
SSHS-B1093	7/6/2018

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Soil Boring ID	Sample Date
SSHS-B1094	7/6/2018
SSHS-B1122	7/6/2018
SSHS-B1158	7/6/2018
SSHS-B1193b	7/6/2018
SSHS-B1203b	7/6/2018
SSHS-B1228	7/6/2018
SSHS-B1247	7/6/2018
SSHS-B1249	7/6/2018
SSHS-B1255	7/9/2018
SSHS-B1257	7/10/2018
SSHS-B1394	7/21/2018
SSHS-B1396	7/21/2018
SSHS-SS1_7_21	7/21/2018
SSHS-SS2_7_21	7/21/2018
SSHS-B2230	7/23/2018
SSHS-B2231	7/23/2018
SSHS-B2234	7/23/2018
SSHS-B2235	7/23/2018
SSHS-B2238	7/23/2018
SSHS-B2239	7/23/2018
SSHS-B2240	7/23/2018
SSHS-B2241	7/23/2018
SSHS-B2242	7/23/2018
SSHS-B2243	7/23/2018
SSHS-B2244	7/23/2018
SSHS-B1325	7/24/2018
SSHS-B1373	7/24/2018
SSHS-B2185	7/24/2018
SSHS-B2186	7/24/2018
SSHS-B2187	7/24/2018
SSHS-B2188	7/24/2018
SSHS-B2189	7/24/2018
SSHS-B2191	7/24/2018
SSHS-B2196	7/24/2018
SSHS-B2197	7/24/2018
SSHS-B2198	7/24/2018
SSHS-B2221	7/24/2018
SSHS-B2225	7/24/2018
SSHS-B2232	7/24/2018
SSHS-B2233	7/24/2018
SSHS-B2245	7/24/2018
SSHS-B2052	7/25/2018
SSHS-B2053	7/25/2018
SSHS-B2070	7/25/2018
SSHS-B2072	7/25/2018
SSHS-B2073	7/25/2018

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Soil Boring ID	Sample Date
SSHS-B2089	7/25/2018
SSHS-B2091	7/25/2018
SSHS-B2092	7/25/2018
SSHS-B2108	7/25/2018
SSHS-B2109	7/25/2018
SSHS-B2110	7/25/2018
SSHS-B2127	7/25/2018
SSHS-B2128	7/25/2018
SSHS-B2129	7/25/2018
SSHS-B2143	7/25/2018
SSHS-B2194	7/25/2018
SSHS-B2216	7/25/2018
SSHS-B2024	7/26/2018
SSHS-B2025	7/26/2018
SSHS-B2026	7/26/2018
SSHS-B2027	7/26/2018
SSHS-B2028	7/26/2018
SSHS-B2050	7/26/2018
SSHS-B2192	7/26/2018
SSHS-B2193	7/26/2018
SSHS-B2195	7/26/2018
SSHS-B2213	7/26/2018
SSHS-B2214	7/26/2018
SSHS-B2215	7/26/2018
SSHS-B2222	7/26/2018
SSHS-B2223	7/26/2018
SSHS-B2224	7/26/2018
SSHS-B2226	7/26/2018
SSHS-B2227	7/26/2018
SSHS-B2246	7/26/2018
SSHS-B2030	7/27/2018
SSHS-B2031	7/27/2018
SSHS-B2032	7/27/2018
SSHS-B2033	7/27/2018
SSHS-B2051	7/27/2018
SSHS-B2071	7/27/2018
SSHS-B2090	7/27/2018
SSHS-B2190	7/27/2018
SSHS-B2217	7/27/2018
SSHS-B2228	7/27/2018
SSHS-B2229	7/27/2018
SSHS-B2236	**7/27/2018**
SSHS-B2237	7/27/2018
SSHS-B1082	7/28/2018
SSHS-B1218	7/28/2018
SSHS-B1238	7/28/2018

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Soil Boring ID	Sample Date
SSHS-B1239	7/28/2018
SSHS-B1245	7/28/2018
SSHS-B1253	7/28/2018
SSHS-B1395a	7/28/2018
SSHS-B1346	8/3/2018
SSHS-SS-01_8_20	8/20/2018
SSHS-SS-02_8_20	8/20/2018
SSHS-SS-03_8_20	8/20/2018
SSHS-SS-04_8_20	8/20/2018
SSHS-SS-05_8_20	8/20/2018
SSHS-SS-06_8_20	8/20/2018
SSHS-SS-07_8_20	8/20/2018
SSHS-SS-10_8_20	8/20/2018
SSHS-SS-11_8_20	8/20/2018
SSHS-SS-12_8_20	8/20/2018
SSHS-SS-13_8_20	8/20/2018
SSHS-SS-14_8_20	8/20/2018
SSHS-SS-15_8_20	8/20/2018
SSHS-SS-16_8_20	8/20/2018
SSHS-B1500	8/21/2018
SSHS-B1502	8/21/2018
SSHS-B2450	8/24/2018
SSHS-B2451	8/24/2018
SSHS-B2452	8/24/2018
SSHS-B2453	8/24/2018
SSHS-B2454	8/24/2018
SSHS-B2455	8/24/2018
SSHS-B2310	8/27/2018
SSHS-B2312	8/27/2018
SSHS-B2313	8/27/2018
SSHS-B2342	8/27/2018
SSHS-B2343	8/27/2018
SSHS-B2344	8/27/2018
SSHS-B2350	8/27/2018
SSHS-B2352	8/27/2018
SSHS-B2353	8/27/2018
SSHS-B2354	8/27/2018
SSHS-B2360	8/27/2018
SSHS-B2411	8/27/2018
SSHS-B2301	8/28/2018
SSHS-B2309	8/28/2018
SSHS-B2314	8/28/2018
SSHS-B2329	8/28/2018
SSHS-B2330	8/28/2018
SSHS-B2336	8/28/2018
SSHS-B2338	8/28/2018

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Soil Boring ID	Sample Date
SSHS-B2339	8/28/2018
SSHS-B2340	8/28/2018
SSHS-B2346	8/28/2018
SSHS-B2356	8/28/2018
SSHS-B2357	8/28/2018
SSHS-B2362	8/28/2018
SSHS-B2376	8/28/2018
SSHS-B2300	8/29/2018
SSHS-B2305	8/29/2018
SSHS-B2306	8/29/2018
SSHS-B2307	8/29/2018
SSHS-B2315	8/29/2018
SSHS-B2316	8/29/2018
SSHS-B2317	8/29/2018
SSHS-B2318	8/29/2018
SSHS-B2320	8/29/2018
SSHS-B2321	8/29/2018
SSHS-B2326	8/29/2018
SSHS-B2331	8/29/2018
SSHS-B2333	8/29/2018
SSHS-B2334	8/29/2018
SSHS-B2335	8/29/2018
SSHS-B2337	8/29/2018
SSHS-B2358	8/29/2018
SSHS-B2367	8/29/2018
SSHS-B2368	8/29/2018
SSHS-B2369	8/29/2018
SSHS-B2341	8/30/2018
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SSHS-B2522	10/29/2018
SSHS-B2523	10/29/2018
SSHS-B2524	10/29/2018
SSHS-B2529	10/29/2018
SSHS-B2530	10/29/2018
SSHS-B2532	10/29/2018
SSHS-B2500	10/30/2018
SSHS-B2501	10/30/2018
SSHS-B2502	10/30/2018
SSHS-B2503	10/30/2018
SSHS-B2504	10/30/2018
SSHS-B2505	10/30/2018
SSHS-B2506	10/30/2018

DRAFT

Soil Boring ID	Sample Date
SSHS-B2519	10/30/2018
SSHS-B2527	10/30/2018
SSHS-B2528	10/30/2018
SSHS-B2531	10/30/2018
SSHS-B2533	10/30/2018
SSHS-B2534	10/30/2018
SSHS-B2535	10/30/2018
SSHS-B2536	10/30/2018
SSHS-B2537	10/30/2018
SSHS-B2538	10/30/2018
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SSHS-B2508	10/31/2018
SSHS-B2509	10/31/2018
SSHS-B2510	10/31/2018
SSHS-B2511	10/31/2018
SSHS-B2512	10/31/2018
SSHS-B2514	10/31/2018
SSHS-B2515	10/31/2018
SSHS-B2516	10/31/2018
SSHS-B2517	10/31/2018
SSHS-B2518	10/31/2018
SSHS-B2525	10/31/2018
SSHS-B2526	10/31/2018
SSHS-B2539	10/31/2018
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SSHS-B2679	4/24/2019
SSHS-B2724	4/24/2019
SSHS-B2741	4/24/2019
SSHS-B2743	4/24/2019
SSHS-B2752	4/24/2019
SSHS-B2629	4/25/2019
SSHS-B2660	4/25/2019
SSHS-B2661	4/25/2019
SSHS-B2674	4/25/2019
SSHS-B2682	4/25/2019
SSHS-B2742	4/25/2019
SSHS-B2760	4/25/2019
SSHS-B2761	4/25/2019
SSHS-B2765	4/25/2019
SSHS-B2684	4/26/2019

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Soil Boring ID	Sample Date
SSHS-B2725	4/26/2019
SSHS-B2745	4/26/2019
SSHS-B2755	4/26/2019
SSHS-B2756	4/26/2019
SSHS-B2757	4/26/2019
SSHS-B2758	4/26/2019
SSHS-B2759	4/26/2019
SSHS-B2762	4/26/2019
SSHS-B2763	4/26/2019
SSHS-B2683	4/27/2019
SSHS-B2754	4/27/2019
SSHS-B2765A	4/27/2019
SSHS-B2771	5/13/2019
SSHS-B2773	5/13/2019
SSHS-B2774	5/13/2019
SSHS-B2623	5/14/2019
SSHS-B2624	5/14/2019
SSHS-B2650	5/14/2019
SSHS-B2696	5/14/2019
SSHS-B2697	5/14/2019
SSHS-B2698	5/14/2019
SSHS-B2699	5/14/2019
SSHS-B2719	5/14/2019
SSHS-B2720	5/14/2019
SSHS-B2721	5/14/2019
SSHS-B2768	5/14/2019
SSHS-B2803	5/14/2019
SSHS-B2607	5/15/2019
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SSHS-B2613	5/15/2019
SSHS-B2614	5/15/2019
SSHS-B2615	5/15/2019
SSHS-B2617	5/15/2019
SSHS-B2621	5/15/2019
SSHS-B2636	5/15/2019
SSHS-B2652	5/15/2019
SSHS-B2686	5/15/2019
SSHS-B2711	5/15/2019
SSHS-B2713	5/15/2019
SSHS-B2714	5/15/2019
SSHS-B2715	5/15/2019
SSHS-B2716	5/15/2019
SSHS-B2744	5/15/2019
SSHS-B2769	5/15/2019
SSHS-B2792	5/15/2019
SSHS-B2793	**5/15/2019**

DRAFT

Soil Boring ID	Sample Date
SSHS-B2794	5/15/2019
SSHS-B2795	5/15/2019
SSHS-B2796	5/15/2019
SSHS-B2797	5/15/2019
SSHS-B2798	5/15/2019
SSHS-B2799	5/15/2019
SSHS-B2800	5/15/2019
SSHS-B2806	5/15/2019
SSHS-B2619	5/16/2019
SSHS-B2620	5/16/2019
SSHS-B2625	5/16/2019
SSHS-B2648	5/16/2019
SSHS-B2668	5/16/2019
SSHS-B2676	5/16/2019
SSHS-B2695	5/16/2019
SSHS-B2704	5/16/2019
SSHS-B2705	5/16/2019
SSHS-B2706	5/16/2019
SSHS-B2707	5/16/2019
SSHS-B2710	5/16/2019
SSHS-B2718	5/16/2019
SSHS-B2780	5/16/2019
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SSHS-B2805	5/16/2019
SSHS-B2600	5/17/2019
SSHS-B2602	5/17/2019
SSHS-B2618	5/17/2019
SSHS-B2626	5/17/2019
SSHS-B2649	5/17/2019
SSHS-B2667	5/17/2019
SSHS-B2675	5/17/2019
SSHS-B2685	5/17/2019
SSHS-B2700	5/17/2019
SSHS-B2717	5/17/2019
SSHS-B2781	5/17/2019
SSHS-B2808	5/17/2019
SSHS-B2810	5/17/2019
SSHS-B2609	5/18/2019
SSHS-B2627	5/18/2019
SSHS-B2651	5/18/2019
SSHS-B2654	5/18/2019
SSHS-B2655	5/18/2019
SSHS-B2656	5/18/2019
SSHS-B2657	5/18/2019
SSHS-B2658	5/18/2019
SSHS-B2659	5/18/2019

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Soil Boring ID	Sample Date
SSHS-B2671	5/18/2019
SSHS-B2673	5/18/2019
SSHS-B2734	5/18/2019
SSHS-B2739	5/18/2019
SSHS-B2740	5/18/2019
SSHS-B2760A	5/18/2019
SSHS-B2811	5/18/2019
SSHS-B2812	5/18/2019
SSHS-B2813	5/18/2019
SSHS-B2814	5/18/2019
SSHS-B2815	5/18/2019
SSHS-B2816	5/18/2019
SSHS-B2817	5/18/2019
SSHS-B2818	5/18/2019
SSHS-B2603	5/19/2019
SSHS-B2604	5/19/2019
SSHS-B2608	5/19/2019
SSHS-B2639	5/19/2019
SSHS-B2642	5/19/2019
SSHS-B2643	5/19/2019
SSHS-B2646	5/19/2019
SSHS-B2653	5/19/2019
SSHS-B2672	5/19/2019
SSHS-B2703	5/19/2019
SSHS-B2709	5/19/2019
SSHS-B2712	5/19/2019
SSHS-B2776	5/19/2019
SSHS-B2777	5/19/2019
SSHS-B2778	5/19/2019
SSHS-B2779	5/19/2019
SSHS-B2783	5/19/2019
SSHS-B2784	5/19/2019
SSHS-B2785	5/19/2019
SSHS-B2804	5/19/2019
SSHS-B2809	5/19/2019
SSHS-B2610	5/20/2019
SSHS-B2611	5/20/2019
SSHS-B2632	5/20/2019
SSHS-B2663	5/20/2019
SSHS-B2664	5/20/2019
SSHS-B2665	5/20/2019
SSHS-B2666	5/20/2019
SSHS-B2691	5/20/2019
SSHS-B2692	5/20/2019
SSHS-B2693	5/20/2019
SSHS-B2782	5/20/2019

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Soil Boring ID	Sample Date
SSHS-B2786	5/20/2019
SSHS-B2787	5/20/2019
SSHS-B2788	5/20/2019
SSHS-B2215A	5/21/2019
SSHS-B2645	5/21/2019
SSHS-B2677	5/21/2019
SSHS-B2690	5/21/2019
SSHS-B2708	5/21/2019
SSHS-B2728	5/21/2019
SSHS-B2729	5/21/2019
SSHS-B2730	5/21/2019
SSHS-B2731	5/21/2019
SSHS-B2732	5/21/2019
SSHS-B2789	5/21/2019
SSHS-B2790	5/21/2019
SSHS-B2791	5/21/2019
SSHS-B2801	5/21/2019
SSHS-B2606	5/22/2019
SSHS-B2644	**5/22/2019**
SSHS-B2689	5/22/2019
SSHS-B2726	5/22/2019
SSHS-B2727	5/22/2019
SSHS-B2603A	6/12/2019
SSHS-B2624A	6/12/2019
SSHS-B2703A	6/12/2019
SSHS-B2717A	6/12/2019
SSHS-B3008	8/26/2019
SSHS-B3022	8/26/2019
SSHS-B3034	8/26/2019
SSHS-B3035	8/26/2019
SSHS-B3049	8/26/2019
SSHS-B3050	8/26/2019
SSHS-B3064	8/26/2019
SSHS-B3077	8/26/2019
SSHS-B3078	8/26/2019
SSHS-B3098	8/26/2019
SSHS-B3099	8/26/2019
SSHS-B3006	8/27/2019
SSHS-B3007	8/27/2019
SSHS-B3017	8/27/2019
SSHS-B3018	8/27/2019
SSHS-B3019	8/27/2019
SSHS-B3020	8/27/2019
SSHS-B3031	8/27/2019
SSHS-B3032	8/27/2019
SSHS-B3033	8/27/2019

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Soil Boring ID	Sample Date
SSHS-B3043	8/27/2019
SSHS-B3046	8/27/2019
SSHS-B3047	8/27/2019
SSHS-B3048	8/27/2019
SSHS-B3061	8/27/2019
SSHS-B3062	8/27/2019
SSHS-B3063	8/27/2019
SSHS-B3065	8/27/2019
SSHS-B3074	8/27/2019
SSHS-B3075	8/27/2019
SSHS-B3076	8/27/2019
SSHS-B3095	8/27/2019
SSHS-B3096	8/27/2019
SSHS-B3097	8/27/2019
SSHS-B3005	8/28/2019
SSHS-B3013	8/28/2019
SSHS-B3015	8/28/2019
SSHS-B3027	8/28/2019
SSHS-B3029	8/28/2019
SSHS-B3030	8/28/2019
SSHS-B3042	8/28/2019
SSHS-B3044	8/28/2019
SSHS-B3045	8/28/2019
SSHS-B3057	8/28/2019
SSHS-B3071	8/28/2019
SSHS-B3072	8/28/2019
SSHS-B3058	8/28/2019
SSHS-B3059	8/28/2019
SSHS-B3060	8/28/2019
SSHS-B3069	8/28/2019
SSHS-B3070	8/28/2019
SSHS-B3073	8/28/2019
SSHS-B3004	8/29/2019
SSHS-B3014	8/29/2019
SSHS-B3016	8/29/2019
SSHS-B3026	8/29/2019
SSHS-B3028	8/29/2019
SSHS-B3040	8/29/2019
SSHS-B3041	8/29/2019
SSHS-B3054	8/29/2019
SSHS-B3056	8/29/2019
SSHS-B3079	8/29/2019
SSHS-B3083	8/29/2019
SSHS-B3181	8/29/2019
SSHS-B3182	8/29/2019
SSHS-B3055	8/29/2019

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Soil Boring ID	Sample Date
SSHS-B3084	8/29/2019
SSHS-B3223	8/29/2019
SSHS-B3003	8/30/2019
SSHS-B3011	8/30/2019
SSHS-B3012	8/30/2019
SSHS-B3025	8/30/2019
SSHS-B3039	8/30/2019
SSHS-B3094	8/30/2019
SSHS-B3068	8/30/2019
SSHS-B3082	8/30/2019
SSHS-B3087	8/30/2019
SSHS-B3214	8/30/2019
SSHS-B3222	8/30/2019
SSHS-B3224	8/30/2019
SSHS-B3001	9/3/2019
SSHS-B3002	9/3/2019
SSHS-B3009	9/3/2019
SSHS-B3010	9/3/2019
SSHS-B3023	9/3/2019
SSHS-B3024	9/3/2019
SSHS-B3036	9/3/2019
SSHS-B3037	9/3/2019
SSHS-B3038	9/3/2019
SSHS-B3052	9/3/2019
SSHS-B3067	9/3/2019
SSHS-B3053	9/3/2019
SSHS-B3051	9/4/2019
SSHS-B3066	9/4/2019
SSHS-B3080	9/4/2019
SSHS-B3081	9/4/2019
SSHS-B3085	9/4/2019
SSHS-B3086	9/4/2019
SSHS-B3220	9/4/2019
SSHS-B3221	9/4/2019
SSHS-B2908	11/4/2019
SSHS-B2917	11/4/2019
SSHS-B2918	11/4/2019
SSHS-B2919	11/4/2019
SSHS-B2920	11/4/2019
SSHS-B2922	11/4/2019
SSHS-B2929	11/4/2019
SSHS-B2943	11/4/2019
SSHS-B2912	11/5/2019
SSHS-B2923	11/5/2019
SSHS-B2924	11/5/2019
SSHS-B2925	11/5/2019

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Soil Boring ID	Sample Date
SSHS-B2926	11/5/2019
SSHS-B2928	11/5/2019
SSHS-B2934	11/5/2019
SSHS-B2935	11/5/2019
SSHS-B2936	11/5/2019
SSHS-B2937	11/5/2019
SSHS-B2942	11/5/2019
SSHS-B2953	11/5/2019
SSHS-B2954	11/5/2019
SSHS-B2955	11/5/2019
SSHS-B2961	11/5/2019
SSHS-B2963	11/5/2019
SSHS-B2966	11/5/2019
SSHS-B2989	11/5/2019
SSHS-B2910	11/5/2019
SSHS-B2900	11/6/2019
SSHS-B2901	11/6/2019
SSHS-B2902	11/6/2019
SSHS-B2903	11/6/2019
SSHS-B2904	11/6/2019
SSHS-B2906	11/6/2019
SSHS-B2907	11/6/2019
SSHS-B2911	11/6/2019
SSHS-B2913	11/6/2019
SSHS-B2914	11/6/2019
SSHS-B2921	11/6/2019
SSHS-B2927	11/6/2019
SSHS-B2931	11/6/2019
SSHS-B2932	11/6/2019
SSHS-B2933	11/6/2019
SSHS-B2938	11/6/2019
SSHS-B2939	11/6/2019
SSHS-B2940	11/6/2019
SSHS-B2941	11/6/2019
SSHS-B2952	11/6/2019
SSHS-B2962	11/6/2019
SSHS-B2905	11/7/2019
SSHS-B2915	11/7/2019
SSHS-B2916	11/7/2019
SSHS-B2930	11/7/2019
SSHS-B2944	11/7/2019
SSHS-B2956	11/7/2019
SSHS-B2958	11/7/2019
SSHS-B2959	11/7/2019
SSHS-B2960	11/7/2019
SSHS-B2964	11/7/2019

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Soil Boring ID	Sample Date
SSHS-B2965	11/7/2019
SSHS-B2977	11/7/2019
SSHS-B3296	12/16/2019
SSHS-B3301	12/16/2019
SSHS-B3306	12/16/2019
SSHS-B3312	12/16/2019
SSHS-B3313	12/16/2019
SSHS-B3314	12/16/2019
SSHS-B3317	12/16/2019
SSHS-B3318	12/16/2019
SSHS-B3319	12/16/2019
SSHS-B3320	12/16/2019
SSHS-B3321	12/16/2019
SSHS-B3322	12/16/2019
SSHS-B3323	12/16/2019
SSHS-B3324	12/16/2019
SSHS-B3325	12/16/2019
SSHS-B3326	12/16/2019
SSHS-B3327	12/16/2019
SSHS-B3328	12/16/2019
SSHS-B3329	12/16/2019
SSHS-B3330	12/16/2019
SSHS-B3331	12/16/2019
SSHS-B3332	12/16/2019
SSHS-B3333	12/16/2019
SSHS-B3284	12/17/2019
SSHS-B3285	12/17/2019
SSHS-B3286	12/17/2019
SSHS-B3287	12/17/2019
SSHS-B3288	12/17/2019
SSHS-B3289	12/17/2019
SSHS-B3290	12/17/2019
SSHS-B3291	12/17/2019
SSHS-B3292	12/17/2019
SSHS-B3293	12/17/2019
SSHS-B3294	12/17/2019
SSHS-B3295	12/17/2019
SSHS-B3297	12/17/2019
SSHS-B3298	12/17/2019
SSHS-B3299	12/17/2019
SSHS-B3300	12/17/2019
SSHS-B3302	12/17/2019
SSHS-B3303	12/17/2019
SSHS-B3304	12/17/2019
SSHS-B3305	12/17/2019
SSHS-B3307	12/17/2019

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Soil Boring ID	Sample Date
SSHS-B3308	12/17/2019
SSHS-B3309	12/17/2019
SSHS-B3310	12/17/2019
SSHS-B3311	12/17/2019
SSHS-B3315	12/17/2019
SSHS-B3316	12/17/2019
SSHS-B3334	12/17/2019
SSHS-B3335	12/17/2019
SSHS-B3336	12/17/2019
SSHS-B3337	12/17/2019
SSHS-B3338	12/17/2019
SSHS-B3340	12/17/2019
SSHS-B3341	12/17/2019
SSHS-B3342	12/17/2019
SSHS-B3258	12/18/2019
SSHS-B3261	12/18/2019
SSHS-B3262	12/18/2019
SSHS-B3263	12/18/2019
SSHS-B3264	12/18/2019
SSHS-B3265	12/18/2019
SSHS-B3266	12/18/2019
SSHS-B3267	12/18/2019
SSHS-B3268	12/18/2019
SSHS-B3269	12/18/2019
SSHS-B3270	12/18/2019
SSHS-B3271	12/18/2019
SSHS-B3272	12/18/2019
SSHS-B3273	12/18/2019
SSHS-B3274	12/18/2019
SSHS-B3275	12/18/2019
SSHS-B3276	12/18/2019
SSHS-B3277	12/18/2019
SSHS-B3278	12/18/2019
SSHS-B3279	12/18/2019
SSHS-B3280	12/18/2019
SSHS-B3281	12/18/2019
SSHS-B3282	12/18/2019
SSHS-B3283	12/18/2019
SSHS-B3241	12/19/2019
SSHS-B3242	12/19/2019
SSHS-B3243	12/19/2019
SSHS-B3244	12/19/2019
SSHS-B3245	12/19/2019
SSHS-B3246	12/19/2019
SSHS-B3247	12/19/2019
SSHS-B3248	12/19/2019

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Soil Boring ID	Sample Date
SSHS-B3249	12/19/2019
SSHS-B3250	12/19/2019
SSHS-B3251	12/19/2019
SSHS-B3252	12/19/2019
SSHS-B3253	12/19/2019
SSHS-B3254	12/19/2019
SSHS-B3255	12/19/2019
SSHS-B3256	12/19/2019
SSHS-B3257	12/19/2019
SSHS-B3259	12/19/2019
SSHS-B3260	12/19/2019
SSHS-B3092	**12/20/2019**
SSHS-B3225	12/20/2019
SSHS-B3226	12/20/2019
SSHS-B3227	12/20/2019
SSHS-B3228	12/20/2019
SSHS-B3229	12/20/2019
SSHS-B3230	12/20/2019
SSHS-B3231	12/20/2019
SSHS-B3232	12/20/2019
SSHS-B3233	12/20/2019
SSHS-B3234	12/20/2019
SSHS-B3235	12/20/2019
SSHS-B3236	12/20/2019
SSHS-B3237	12/20/2019
SSHS-B3238	12/20/2019
SSHS-B3239	12/20/2019
SSHS-B3240	12/20/2019
SSHS-B3343	12/20/2019
SSHS-B3100	1/13/2020
SSHS-B3101	1/13/2020
SSHS-B3102	1/13/2020
SSHS-B3103	1/13/2020
SSHS-B3104	1/13/2020
SSHS-B3105	1/14/2020
SSHS-B3106	1/14/2020
SSHS-B3108	1/14/2020
SSHS-B3113	1/14/2020
SSHS-B3117	1/14/2020
SSHS-B3183	1/14/2020
SSHS-B3184	1/14/2020
SSHS-B3107	1/15/2020
SSHS-B3109	1/15/2020
SSHS-B3110	1/15/2020
SSHS-B3111	1/15/2020
SSHS-B3112	1/15/2020

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Soil Boring ID	Sample Date
SSHS-B3116	1/15/2020
SSHS-B3118	1/15/2020
SSHS-B3459	**7/27/2020**
SSHS-B3461	**7/27/2020**
SSHS-B3464	**7/27/2020**
SSHS-B3472	**7/27/2020**
SSHS-B3473	**7/27/2020**
SSHS-B3474	**7/27/2020**
SSHS-B3475	**7/27/2020**
SSHS-B3476	**7/27/2020**
SSHS-B3477	**7/27/2020**
SSHS-B3456	**7/28/2020**
SSHS-B3457	**7/28/2020**
SSHS-B3458	**7/28/2020**
SSHS-B3460	**7/28/2020**
SSHS-B3462	**7/28/2020**
SSHS-B3463	**7/28/2020**
SSHS-B3465	**7/28/2020**
SSHS-B3466	**7/28/2020**
SSHS-B3467	**7/28/2020**
SSHS-B3468	**7/28/2020**
SSHS-B3469	**7/28/2020**
SSHS-B3470	**7/28/2020**
SSHS-B3471	**7/28/2020**
SSHS-B3481	**7/28/2020**
SSHS-B3484	**7/28/2020**
SSHS-B3485	**7/28/2020**
SSHS-B3486	**7/28/2020**
SSHS-B3487	**7/28/2020**
SSHS-B3488	**7/28/2020**
SSHS-B3489	**7/28/2020**
SSHS-B3490	**7/28/2020**
SSHS-B3491	**7/28/2020**
SSHS-B3500	8/31/2020
SSHS-B3501	8/31/2020
SSHS-B3502	8/31/2020
SSHS-B3503	8/31/2020
SSHS-B3504	8/31/2020
SSHS-B3505	8/31/2020
SSHS-B3506	8/31/2020
SSHS-B3507	8/31/2020
SSHS-B3508	8/31/2020
SSHS-B3509	8/31/2020
SSHS-B3510	8/31/2020
SSHS-B3511	8/31/2020
SSHS-B3512	8/31/2020

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Soil Boring ID	Sample Date
SSHS-B3555	**1/11/2021**
SSHS-B3557	1/11/2021
SSHS-B3560	1/11/2021
SSHS-B3563	1/11/2021
SSHS-B3558	1/12/2021
SSHS-B3559	1/12/2021
SSHS-B3564	1/12/2021
SSHS-B3566	1/12/2021
SSHS-B3567	1/12/2021
SSHS-B3508A	1/13/2021
SSHS-B3509A	1/13/2021
SSHS-B3510A	1/13/2021
SSHS-B3511A	1/13/2021
SSHS-B3512A	1/13/2021
SSHS-B3513	1/13/2021
SSHS-B3514	1/13/2021
SSHS-B3515	1/13/2021
SSHS-B3520	1/13/2021
SSHS-B3556	1/13/2021
SSHS-B3561	1/13/2021
SSHS-B3562	1/13/2021
SSHS-B3565	1/12/2021
SSHS-B3494	1/14/2021
SSHS-B3495	1/14/2021
SSHS-B3496	1/14/2021
SSHS-B3498	1/14/2021
SSHS-B3499	1/14/2021
SSHS-B3517	1/14/2021
SSHS-B3522A	1/14/2021
SSHS-B3523A	1/14/2021
SSHS-B3568	1/18/2021
SSHS-B3571	1/18/2021
SSHS-B3569	1/19/2021
SSHS-B3570	1/19/2021
SSHS-B3264A	1/21/2021
SSHS-B3266A	1/21/2021
SSHS-B3493	1/21/2021
SSHS-B3503A	1/21/2021
SSHS-B3554	1/21/2021
SSHS-B3265A	1/22/2021
SSHS-B3454	1/22/2021
SSHS-B13A	1/23/2021
SSHS-B3037A	1/23/2021
SSHS-B3057A	1/23/2021
SSHS-B3071A	1/23/2021
SSHS-B3455	1/23/2021

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Soil Boring ID	Sample Date
SSHS-B3504A	1/23/2021
SSHS-B3505A	1/23/2021
SSHS-B3623	1/23/2021
SSHS-B3624	1/23/2021
SSHS-B3625	**1/23/2021**
SSHS-B3628	1/23/2021
SSHS-B3015A	1/24/2021
SSHS-B3001A	1/25/2021
SSHS-B3087A	1/25/2021
SSHS-B3261A	1/25/2021
SSHS-B3500A	1/25/2021
SSHS-B3501A	1/25/2021
SSHS-B3502A	1/25/2021
SSHS-B3516	1/25/2021
SSHS-B3521	1/25/2021
SSHS-B3603	1/25/2021
SSHS-B3604	1/25/2021
SSHS-B3605	1/25/2021
SSHS-B3606	1/25/2021
SSHS-B3607	1/25/2021
SSHS-B3608	1/25/2021
SSHS-B3609	1/25/2021
SSHS-B3610	1/25/2021
SSHS-B3611	1/25/2021
SSHS-B3612	1/25/2021
SSHS-B3613	1/25/2021
SSHS-B3614	1/25/2021
SSHS-B3615	1/25/2021
SSHS-B3616	1/25/2021
SSHS-B3617	1/25/2021
SSHS-B3618	1/25/2021
SSHS-B3619	1/25/2021
SSHS-B3620	1/25/2021
SSHS-B3621	1/25/2021
SSHS-B3622	1/25/2021
SSHS-B3631	1/25/2021
SSHS-B3181A	1/26/2021
SSHS-B3182A	1/26/2021
SSHS-B3224A	1/26/2021
SSHS-B3247A	1/26/2021
SSHS-B3260A	1/26/2021
SSHS-B3481A	1/26/2021
SSHS-B3484A	1/26/2021
SSHS-B3490A	1/26/2021
SSHS-B3491A	1/26/2021
SSHS-B3497	1/26/2021

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Soil Boring ID	Sample Date
SSHS-B3507A	1/26/2021
SSHS-B3518	1/26/2021
SSHS-B3594	1/26/2021
SSHS-B3634	1/26/2021
SSHS-B3635	1/26/2021
SSHS-B3636	1/26/2021
SSHS-B3637	1/26/2021
SSHS-B3638	1/26/2021
SSHS-B3042A	1/27/2021
SSHS-B3061A	1/27/2021
SSHS-B3073A	1/27/2021
SSHS-B3098A	1/27/2021
SSHS-B3268A	1/27/2021
SSHS-B3286A	1/27/2021
SSHS-B3304A	1/27/2021
SSHS-B3519	1/27/2021
SSHS-B3626	1/27/2021
SSHS-B3630	1/27/2021
SSHS-B3632	1/27/2021
SSHS-B3633	1/27/2021
SSHS-B3639	1/27/2021
SSHS-B3643	1/27/2021
SSHS-B3650	1/27/2021
SSHS-B3651	1/27/2021
SSHS-B3049A	1/28/2021
SSHS-B3322A	1/28/2021
SSHS-B3600	1/28/2021
SSHS-B3601	1/28/2021
SSHS-B3657	1/28/2021
SSHS-B3658	1/28/2021
SSHS-B3668	1/28/2021
SSHS-B3669	1/28/2021
SSHS-B3282A	**1/29/2021**
SSHS-B3644	**1/29/2021**
SSHS-B3646	**1/29/2021**
SSHS-B3647	**1/29/2021**
SSHS-B3648	**1/29/2021**
SSHS-B3649	**1/29/2021**
SSHS-B3659	**1/29/2021**
SSHS-B3660	**1/29/2021**
SSHS-B3662	**1/29/2021**
SSHS-B3670	**1/29/2021**
NE SIDEWALL S1A	**1/29/2021**
SSHS-B572A	**2/1/2021**
SSHS-B3627	**2/1/2021**
SSHS-B3666	**2/1/2021**

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Soil Boring ID	Sample Date
SSHS-B3274A	**2/2/2021**
SSHS-B3629	**2/2/2021**
SSHS-B3640	**2/2/2021**
SSHS-B3645	**2/2/2021**
SSHS-B3664	**2/2/2021**
SSHS-B3575	2/2/2021
SSHS-B3573	2/3/2021
SSHS-B3574	2/3/2021
SSHS-B3576	2/3/2021
SSHS-B3578	2/3/2021
SSHS-B3661	2/3/2021
SSHS-B3572	2/4/2021
SSHS-B3593	2/4/2021
SSHS-3594A	2/4/2021
SSHS-B3595	2/4/2021
SSHS-B3596	2/4/2021
SSHS-B3597	2/4/2021
SSHS-B3598	2/4/2021
SSHS-B3599	2/4/2021
SSHS-B3577	2/5/2021
SSHS-B3579	2/5/2021
SSHS-B3580	2/5/2021
SSHS-B3581	2/5/2021
SSHS-B3582	2/5/2021
SSHS-B3583	2/5/2021
SSHS-B3869	3/31/2021
SSHS-B3868	4/1/2021
SSHS-B3867	4/1/2021
SSHS-B3874	4/1/2021
SSHS-B3875	4/2/2021
SSHS-B3876	4/2/2021
SSHS-B3878	4/5/2021
SSHS-B3857	4/7/2021
SSHS-B3866	4/7/2021
SSHS-B3856	4/8/2021
SSHS-B3864	4/8/2021
SSHS-B3865	4/8/2021
SSHS-B3863	4/10/2021
SSHS-B3858	4/10/2021
SSHS-B3877	4/12/2021
SSHS-B3859	4/12/2021
SSHS-B3855	4/13/2021
SSHS-B3860	4/13/2021
SSHS-B3861	4/14/2021
SSHS-B3880	4/17/2021
SSHS-B645A	4/18/2021

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Soil Boring ID	Sample Date
SSHS-B3881	4/18/2021
SSHS-B3870	4/19/2021
SSHS-B3871	4/19/2021
SSHS-B3873	4/19/2021
SSHS-B3872	4/20/2021
SSHS-B3907	5/6/2021
SSHS-B3915	5/6/2021
SSHS-B3904	5/7/2021
SSHS-B3909	5/7/2021
SSHS-B3882	5/10/2021
SSHS-B3895	**5/10/2021**
SSHS-B3905	5/10/2021
SSHS-B3906	5/11/2021
SSHS-B3884	5/11/2021
SSHS-B3889	**5/11/2021**
SSHS-B3894	**5/11/2021**
SSHS-B3930	5/11/2021
SSHS-B3908	5/12/2021
SSHS-B3890	**5/12/2021**
SSHS-B3902	**5/12/2021**
SSHS-B3914	5/12/2021
SSHS-B3916	5/12/2021
SSHS-B3917	5/13/2021
SSHS-B3918	5/13/2021
SSHS-B3891	**5/13/2021**
SSHS-B3893	**5/13/2021**
SSHS-B3901	**5/13/2021**
SSHS-B3888	**5/14/2021**
SSHS-B3892	**5/14/2021**
SSHS-B3899	**5/14/2021**
SSHS-B3900	**5/14/2021**
SSHS-B3896	**5/15/2021**
SSHS-B3912	5/15/2021
SSHS-B3887	**5/16/2021**
SSHS-B3897	**5/16/2021**
SSHS-B3919	5/16/2021
SSHS-B3021A	5/17/2021
SSHS-B3921	5/17/2021
SSHS-B3886	5/18/2021
SSHS-B3898	5/18/2021
SSHS-B3922	5/18/2021
SSHS-B3883	5/19/2021
SSHS-B3903	5/19/2021
SSHS-B4013	5/19/2021
SSHS-B4009	5/20/2021
SSHS-B4010	5/20/2021

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Soil Boring ID	Sample Date
SSHS-B4011	5/20/2021
SSHS-B4012	5/21/2021
SSHS-B3910	6/11/2021
SSHS-B3911	6/11/2021
SSHS-B3913	6/11/2021
SSHS-B3017A	6/17/2021
SSHS-B3927	6/17/2021
SSHS-B3929	6/17/2021
SSHS-B3930A	6/17/2021
SSHS-B3931	6/17/2021
SSHS-B3932	6/17/2021
SSHS-B3933	6/17/2021
SSHS-B3934	6/17/2021
SSHS-B3935	6/17/2021
SSHS-B3884A	6/18/2021
SSHS-B3923	6/18/2021
SSHS-B3924	6/18/2021
SSHS-B3925	6/18/2021
SSHS-B3926	6/18/2021
SSHS-B3928	6/18/2021
SSHS-B3526	6/22/2021
SSHS-B3527	6/22/2021
SSHS-B4015	**6/30/2021**
SSHS-B4016	**6/30/2021**
SSHS-B3920	7/1/2021
SSHS-B4017	**7/1/2021**
SSHS-B4018	**7/1/2021**
SSHS-B4019	**7/1/2021**
SSHS-B4020	**7/1/2021**
SSHS-B4021	**7/1/2021**
SSHS-B4022	**7/1/2021**
SSHS-B4023	**7/1/2021**
SSHS-B4024	**7/1/2021**
SSHS-B4025	**7/1/2021**
SSHS-B4026	**7/1/2021**
SSHS-B4027	**7/1/2021**
SSHS-B3075A	7/19/2021
SSHS-B3096A	7/19/2021
SSHS-B3343A	7/19/2021
SSHS-B3602	7/19/2021
SSHS-B3663	7/19/2021
SSHS-B3665	7/19/2021
SSHS-B3824	7/23/2021
SSHS-B3840	7/23/2021
SSHS-B3012A	7/26/2021
SSHS-B3013A	7/26/2021

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Soil Boring ID	Sample Date
SSHS-B3925A	7/26/2021
SSHS-B4034	7/26/2021
SSHS-B3645A	8/5/2021
SSHS-B3647A	8/5/2021
SSHS-B4170	9/14/2021
SSHS-B4168	9/15/2021
SSHS-B3852	9/16/2021
SSHS-B3853	9/16/2021
SSHS-B3646A	9/17/2021
SSHS-B4161	9/17/2021
SSHS-B4162	9/17/2021
SSHS-B3885	9/22/2021
SSHS-B4163	9/22/2021
SSHS-B4164	9/23/2021
SSHS-B4165	9/23/2021
SSHS-B4262	10/25/2021
SSHS-B3454A	10/25/2021
SSHS-B3920A	10/25/2021
SSHS-B4260	10/25/2021
SSHS-B4261	10/25/2021
SSHS-B4265	10/26/2021
SSHS-B4263	11/1/2021
SSHS-B4264	11/1/2021
SSHS-B196B	12/16/2021
SSHS-DW-7_8	6/4/2022
SSHS-DW-10_11	6/4/2022
SSHS-DW-13_14	6/4/2022
SSHS-DW-15	6/4/2022
SSHS-DW-16	6/4/2022
SSHS-DW-3A	6/20/2022
SSHS-DW-3B	6/20/2022
SSHS-DW-06	6/20/2022
SSHS-B5300	1/19/2023
SSHS-B5301	**1/19/2023**
PDI6-B5106	2/12/2023
SPA4-B5504	8/12/2024
SPA4-B5505	8/12/2024
SPA4-B5506	8/12/2024
SPA4-B5507	8/13/2024
SPA4-B5526	8/13/2024
SPA4-B5527	8/13/2024
SSHS-SCV-1	10/21/2025
SSHS-SCV-2	10/21/2025
SSHS-SCV-3	10/21/2025
SSHS-SCV-4	10/21/2025
SSHS-B5639	11/11/2025

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Soil Boring ID	Sample Date
SSHS-B5640	11/11/2025
SSHS-B5641	11/11/2025
SSHS-B5642	11/11/2025
SSHS-B5643	11/11/2025
SSHS-B5644	11/11/2025
SSHS-S028B-2	11/12/2025

Note: For borings started and completed on different dates, the completion date is used.

Shaded locations do not have soil logs available

Bolded locations are presented as field logs

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BORING B853

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/8/18 **COMPLETED** 1/8/18
NORTHING 753835.8742 ft **EASTING** 762699.2718 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Crushed asphalt	
		100	SSHS-B853-SUB-0-2 @ 15:30 (PCBs 2.039 mg/kg)		SILTY SAND WITH GRAVEL, dark yellow to brown, dry, loose, fine gravel	0.5
					CLAYEY GRAVEL WITH SAND, dark brown, medium stiff, coarse gravel, with clay, and black shiny material (ash), brick fragments present	
2		100	SSHS-B853-SUB-2-4 @ 15:35 (PCBs 0.1324 mg/kg)		SILTY SAND, tan to brown, dry, black shiny material in matrix	0.5
4					WELL GRADED SAND WITH GRAVEL, dark black, Matrix is dominated by foreign material (black shiny material and brick)	
					SILT, tan brown, dry, loose	
		100	SSHS-B853-SUB-4-6 @ 15:40 (PCBs 0.0687 mg/kg)		WELL GRADED SAND, dark brown to black, dry, loose, with black shiny material (ash), Note: 2 attempts were made to collect the 6-8' ft interval. The first attempt had <2" of recovery and the second attempt hit refusal.	0.2
6					Bottom of borehole at 6.0 feet.	

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:38 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B869

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/8/18 **COMPLETED** 1/8/18
NORTHING 753863.6858 ft **EASTING** 762694.4949 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B869-SUB-0-2		Crushed asphalt SILTY SAND WITH GRAVEL, SAND, light gray with black, dry, loose, with silt, and coarse gravel, gray material looks like ash	0.6
					CLAYEY SAND WITH GRAVEL, CLAY, tan and brown, dry to moist, medium dense, with sand, and fine gravel	
2		100	SSHS-B869-SUB-2-4 (PCBs 0.3758 mg/kg)		CLAYEY SAND WITH GRAVEL, CLAY, brown, dry to moist, medium dense, with medium sand, and fine gravel	0.7
					POORLY GRADED GRAVEL, brown, dry to moist, loose, coarse gravel	
4		88	SSHS-B869-SUB-4-6		Dark black, moist, Black shiny fill, fine to coarse sand size material SILTY SAND, brown and black, dry, loose, fine to medium sand	0.2
					LEAN CLAY, dark brown, stiff, some medium to coarse sand	
					No Recovery	
6		83	SSHS-B869-SUB-6-8		SILTY SAND WITH GRAVEL, SAND, dark brown to brown, dry to moist, loose, with fine to medium gravel, some black shiny material (ash)	0.5
					CLAYEY GRAVEL WITH SAND, yellow to brown, moist, dense, fine gravel, with coarse sand	
8					No Recovery	

Bottom of borehole at 8.0 feet.

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BORING B929

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/8/18 **COMPLETED** 1/8/18
NORTHING 753833.2594 ft **EASTING** 762683.4287 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	SSHS-B929-SUB-0-2 @ 16:10		Asphalt WELL GRADED SAND WITH SILT AND GRAVEL, tan brown, dry, loose	0.2
2		100	SSHS-B929-SUB-2-4 @ 16:15 (PCBs 3.301 mg/kg)		No recovery SILTY GRAVEL, dark brown, dry, soft, coarse gravel	0.1
4		100	SSHS-B929-SUB-4-6 @ 16:20		SILTY GRAVEL WITH SAND, brown, dry, loose, medium plasticity, coarse gravel, with fine to coarse sand, and black shiny material (ash) SILTY GRAVEL WITH SAND, dark brown, dry, very loose	0.1
6					SANDY LEAN CLAY WITH GRAVEL, dark brown, medium plasticity, fine to coarse sand, Note: Excess material was thrown out. Bottom of borehole at 6.0 feet.	

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BORING B835

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753817.1767 ft **EASTING** 762634.6132 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		92	SSHS-B835-SUB-0-2 (PCBs 7.189 mg/kg)		WELL GRADED SAND WITH GRAVEL, dark brown with tan, dry, loose, fine to coarse sand, with fine gravel	4.6
2		100	SSHS-B835-SUB-2-4		SILTY SAND WITH GRAVEL, dark brown to tan, dry, medium dense, fine to coarse gravel, some black shiny material (ash), brick present	5.3
4		92	SSHS-B835-SUB-4-6 (PCBs 4.251 mg/kg)		Red brick	1.3
					WELL GRADED GRAVEL WITH SILT AND SAND, light gray, dry	
6					No recovery Red brick	
		63	SSHS-B835-SUB-6-8 (PCBs 6.091 mg/kg)		SANDY LEAN CLAY WITH GRAVEL, dark brown, moist, medium dense, fine to coarse gravel No recovery	1.2
8					Bottom of borehole at 8.0 feet.	

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BORING B838

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753721.3075 ft **EASTING** 762563.8194 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B838-SUB-0-2 (PCBs 0.122 mg/kg)		WELL GRADED SAND WITH GRAVEL, tan brown, dry, medium dense, non plastic, fine to coarse gravel	0.5
					SILT WITH GRAVEL, dark brown, dry to moist, dense, low plasticity, sand, with coarse gravel	
2		100	SSHS-B838-SUB-2-4 (PCBs 40.31 mg/kg)		SILT WITH GRAVEL, dark tan to black, medium dense, low plasticity, silt, with fine to coarse gravel, slight hydrocarbon odor	0.7
4		100	SSHS-B838-SUB-4-6 (PCBs 89.32 mg/kg)		SILTY GRAVEL WITH SAND, tan to brown, dry, medium dense, non plastic, coarse gravel, with silt, and fine to coarse sand	0.8
6					SANDY SILT, tan to brown, dry, soft	
		100	SSHS-B838-SUB-6-8 (PCBs 5.501 mg/kg)		SILTY GRAVEL, dark brown to tan, dense, fine to coarse gravel, with silt, and black shiny material (ash), (shiny black material is present in lower 5")	1.1
8					SILT WITH SAND, dark brown, fine to coarse sand, and black shiny material (ash)	
		92	SSHS-B838-SUB-8-10			0.8
					SILTY GRAVEL, dark brown, loose, non plastic	
10					No recovery	

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BORING B838

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILT WITH GRAVEL, dark brown, dry, loose, fine to coarse gravel	
		54	SSHS-B838-SUB-10-12 (PCBs 6.191 mg/kg)		No recovery	0.7
12					SILTY GRAVEL, brown, wet, loose, coarse gravel, with silt, Note: Moisture is interpreted to represent the water table	
		75	SSHS-B838-SUB-12-14 (PCBs 0.582 mg/kg)			0.8
					No recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B854

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753816.4484 ft **EASTING** 762722.7003 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B854-SUB-0-2 (PCBs <0.0853 mg/kg)		Asphalt	
					WELL GRADED SAND WITH SILT, light brown to brown, dry, medium dense, fine to coarse sand, with silt, some fine gravel	5.8
					No recovery	
2		100	SSHS-B854-SUB-2-4 (PCBs 8.151 mg/kg)		Some black shiny material (ash), brick present	1.7
4		100	SSHS-B854-SUB-4-6 (PCBs 0.772 mg/kg)		Loose	
					CLAYEY GRAVEL, brown, coarse grained, moist, dense	0.9
6		50	SSHS-B854-SUB-6-8		Medium dense, medium plasticity, less clay	
					No recovery	3
8					Bottom of borehole at 8.0 feet.	

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BORING B864

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753816.2516 ft **EASTING** 762651.7818 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		67	SSHS-B864-SUB-0-2 (PCBs <0.0915 mg/kg)		SILTY GRAVEL WITH SAND, brown, wet, loose, coarse gravel	5.5
					No recovery	
2		100	SSHS-B864-SUB-2-4 (PCBs 14.3 mg/kg)		SILTY GRAVEL WITH SAND, dark brown, dry to moist, dense, low plasticity, fine to coarse gravel, with silt, and fine to coarse sand, Some black shiny material and brick fragments	0.8
4		83	SSHS-B864-SUB-4-6 (PCBs 1.311 mg/kg)		CLAYEY GRAVEL WITH SAND, dark brown, fine to coarse gravel, (sand size fragments appear to be composed of primarly gravel shards)	1.8
					SILTY SAND WITH GRAVEL, dark brown, moist, medium dense, low plasticity, fine to coarse gravel	
6		75	SSHS-B864-SUB-6-8 (PCBs 0.3833 mg/kg)		CLAYEY SAND WITH GRAVEL, dark brown, moist, medium dense, low plasticity, fine to medium sand, with clay, and fine to medium gravel, Brick and black shiny material is present	1.7
					No recovery	
8					Bottom of borehole at 8.0 feet.	

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BORING B894

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753810.8119 ft **EASTING** 762704.9936 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, dry, (TOPSOIL) roots present	
		129	SSHS-B894-SUB-0-2 @ 10:15		WELL GRADED SAND WITH SILT AND GRAVEL, light tan to brown, dry, loose, fine to coarse sand, with silt, few coarse gravel	3.2
					Dense	
2					SILTY SAND WITH GRAVEL, dark brown, dense, non plastic, and black shiny material (ash), Red brick fragments present and soil appears to be locally stained	
		96	SSHS-B894-SUB-2-4 @ 10:20 (PCBs 5.001 mg/kg)		SILTY SAND, dark brown, dry, medium dense, fine to coarse sand, with silt, and black shiny material (ash), Red brick fragments present	2.4
4					No recovery	
		100	SSHS-B894-SUB-4-6 @ 10:25 (PCBs 6.861 mg/kg)		WELL GRADED SAND WITH SILT, brown, dry, medium dense, non plastic, fine gravel	
					WELL GRADED SAND WITH SILT, dark brown to brown, dry, medium dense, non plastic, fine to coarse gravel, hydrocarbon odor present	0.8
6					WELL GRADED SAND WITH SILT AND GRAVEL, dark brown to black, medium dense, Soil appears stained and has an hydro carbon smell	
		83	SSHS-B894-SUB-6-8 @ 10:30			2
					No Recovery	
8					WELL GRADED SAND WITH SILT AND GRAVEL, dark brown to tan, dry to moist, medium dense, low plasticity, fine to coarse sand	
		75	SSHS-B894-SUB-8-10 @ 10:35		CLAYEY GRAVEL WITH SAND, dark brown, dry to moist, low plasticity, fine to coarse gravel, Soil has a hydrocarbon odor.	3.3
					No Recovery	
10						

Bottom of borehole at 10.0 feet.

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BORING B895

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753936.5958 ft **EASTING** 762716.2731 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B895-SUB-0-2		Asphalt SANDY SILT WITH GRAVEL, light tan, dry to moist, medium dense, non plastic, coarse sand, with silt, and coarse gravel	1.7
2		100	SSHS-B895-SUB-2-4 (PCBs 0.6801 mg/kg)		Dark brown, dry, medium dense, black shiny material (ash), matrix is foriegn material SILTY SAND WITH GRAVEL	0.7
4		100	SSHS-B895-SUB-4-6 (PCBs 0.3481 mg/kg)			0.9
6		100	SSHS-B895-SUB-6-8		WELL GRADED GRAVEL WITH SAND, dark brown, black shiny material (ash), Yellow brick fragments Slag present	0.7
8					Bottom of borehole at 8.0 feet.	

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BORING B904

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753787.2457 ft **EASTING** 762567.6153 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B904-SUB-0-2 (PCBs 29.29 mg/kg)		SILTY GRAVEL WITH SAND, tan to brown, dry, non plastic, fine to coarse sand, with silt, and fine gravel	1.3
2		92	SSHS-B904-SUB-2-4 (PCBs 208.8 mg/kg)		WELL GRADED GRAVEL, dry	0.8
4		100	SSHS-B904-SUB-4-6 (PCBs 1.333 mg/kg)		No recovery WELL GRADED SAND WITH SILT AND GRAVEL, dark brown, moist, non plastic, Soil appears stained with some brick fragments	2.9
6		63	SSHS-B904-SUB-6-8 (PCBs 0.4637 mg/kg)		GRAVELLY LEAN CLAY, dark brown to black, moist, stiff, low plasticity, clay, with coarse gravel No recovery	1.9
8		50	SSHS-B904-SUB-8-10 (PCBs 9.081 mg/kg)		GRAVELLY LEAN CLAY, dark brown to black, moist, stiff, low plasticity, clay, with coarse gravel No recovery	5.2
10					Bottom of borehole at 10.0 feet.	

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BORING B936

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753845.5231 ft **EASTING** 762609.3409 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B936-SUB-0-2 @ 11:10		Asphalt	
					WELL GRADED SAND WITH SILT AND GRAVEL, light brown, dry, medium dense	0.8
2		100	SSHS-B936-SUB-2-4 @ 11:15 (PCBs 40.31 mg/kg)		SILTY SAND WITH GRAVEL, dark brown, medium dense	
					Black shiny material (ash), Some brick present	0.7
4		92	SSHS-B936-SUB-4-6 @ 11:20		Red brick	
					SILTY SAND WITH GRAVEL, dark brown, medium dense	
					Brick and gravel	0.6
6					No Recovery	

Bottom of borehole at 6.0 feet.

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BORING B938

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/9/18 **COMPLETED** 1/9/18
NORTHING 753742.2819 ft **EASTING** 762592.566 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		83	SSHS-B938-SUB-0-2 @ 15:30		WELL GRADED SAND WITH GRAVEL, tan brown, dry, dense, fine gravel	0.9
2					No recovery	
		100	SSHS-B938-SUB-2-4 @ 15:35 (PCBs 253.1 mg/kg)		SILTY SAND WITH GRAVEL, dark brown, dry, medium dense, brick present	0.8
4					Bottom of borehole at 4.0 feet.	

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BORING B829

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753777.5935 ft **EASTING** 762524.4231 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		96	SSHS-B829-SUB-0-2 (PCBs <0.0865 mg/kg)		SILTY SAND WITH GRAVEL, SAND, dark brown, dry, loose, non plastic, with silt, and fine gravel	
					SILTY GRAVEL, yellow tan, dry, loose, fine to coarse gravel, with silt	3.1
2					No recovery	
		100	SSHS-B829-SUB-2-4 (PCBs 1.811 mg/kg)		SAND, tan brown, moist, medium dense, with fine gravel, and fine sand	
					SILTY SAND WITH GRAVEL, orange brown, dry to moist, medium dense, low plasticity, fine to coarse sand, with silt, and fine to coarse gravel	4.1
4					Moist, increasing sand to silt	
		67	SSHS-B829-SUB-4-6 (PCBs 0.1363 mg/kg)		No recovery	7.3
6					SILTY SAND WITH GRAVEL, orange brown, moist, medium dense, fine to coarse sand, with silt, and fine to coarse gravel	
		58	SSHS-B829-SUB-6-8		Red brick WELL GRADED SAND WITH GRAVEL, brown, moist, loose, medium to coarse sand, with fine to coarse gravel No Recovery	1.3
8					Bottom of borehole at 8.0 feet.	

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BORING B831

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753810.7004 ft **EASTING** 762536.3227 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B831-SUB-0-2 @ 9:45 (PCBs 0.5456 mg/kg)		Asphalt	
					WELL GRADED SAND, light tan brown, dry, loose, fine to coarse sand, with fine to coarse gravel	7.2
2		100	SSHS-B831-SUB-2-4 @ 9:50 (PCBs 13.19 mg/kg)		SANDY SILT WITH GRAVEL, dark yellow brown, medium dense, some clay, with sand, fine to coarse gravel, brick and black shiny material present	2.4
4		100	SSHS-B831-SUB-4-6 @ 9:55 (PCBs 1.661 mg/kg)		SANDY SILT WITH GRAVEL, dark yellow brown, medium dense, some clay, with sand, fine to coarse gravel, hydrocarbon odor	4.7
6		100	SSHS-B831-SUB-6-8 @ 10:00		SANDY SILT WITH GRAVEL, dark brown, moist, dense, coarse gravel, with silt, strong hydrocarbon odor	16.8
8		100	SSHS-B831-SUB-8-10 @ 10:05		WELL GRADED GRAVEL WITH SILT, dark brown, dry to moist, loose, medium to coarse gravel, with silt	
					LEAN CLAY WITH SAND, dark brown, moist, high plasticity, hydrocarbon odor	98
10					WELL GRADED GRAVEL, light gray, fine to coarse grained, dry, loose	

Bottom of borehole at 10.0 feet.

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BORING B832

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753832.8066 ft **EASTING** 762547.5595 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, dry to moist, stiff, (TOPSOIL) roots present and grass	
		83	SSHS-B832-SUB-0-2 (PCBs <0.0928 mg/kg)		SILTY SAND WITH GRAVEL, light brown, dry to moist, medium dense, fine to coarse sand, with silt, and fine gravel	1.2
2					No recovery	
		100	SSHS-B832-SUB-2-4 (PCBs 113.9 mg/kg)		SILTY GRAVEL WITH SAND, gray brown, dry to moist, non plastic, fine to coarse gravel, with silt, and fine sand	2
4					WELL GRADED SAND WITH GRAVEL, dark gray, dry to moist, some black shiny material (ash), brick present	
		100	SSHS-B832-SUB-4-6 (PCBs 1.057 mg/kg)			3.8
6					SILTY GRAVEL, dark brown with gray, moist, stiff, low plasticity, fine to coarse gravel, with silt	
		100	SSHS-B832-SUB-6-8 (PCBs 1.861 mg/kg)		Red brick GRAVELLY SILT WITH SAND, SILT, dark brown, moist, stiff, non plastic, with coarse gravel, and coarse sand	1.3
8					Bottom of borehole at 8.0 feet.	

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BORING B855

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753718.6336 ft **EASTING** 762601.4932 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B855-SUB-0-2 (PCBs 14.63 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, tan brown, dry to moist, medium dense	3.5
2		100	SSHS-B855-SUB-2-4 (PCBs 63.51 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, dark brown, dry to moist, medium dense, low plasticity, black shiny material (ash), Brick present in soil	3.6
4		96	SSHS-B855-SUB-4-6		SILTY SAND WITH GRAVEL, dark brown with gray, dry, medium dense, non plastic, sand, with silt, and fine to coarse gravel	1.7
6		92	SSHS-B855-SUB-6-8 (PCBs 11.48 mg/kg)		SILTY SAND WITH GRAVEL, dark tan to gray, low plasticity, fine sand, with silt, with coarse gravel	2.1
					SILTY SAND, dark gray to black, dry, medium dense, black shiny material (ash)	
8		71	SSHS-B855-SUB-8-10 (PCBs 2.314 mg/kg)		WELL GRADED SAND, gray, dry, loose	
					LEAN CLAY, dark brown, moist, medium dense, medium plasticity	56.8
10					No recovery	

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BORING B855

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILT WITH SAND, dark gray, dry to moist, medium stiff	
		79	SSHS-B855-SUB-10-12 (PCBs 1.529 mg/kg)		LEAN CLAY WITH GRAVEL, dark brown gray, moist, stiff, medium plasticity, coarse gravel	67
					No recovery	
12					WELL GRADED GRAVEL WITH SILT AND SAND, dark brown to brown, wet, loose, non plastic, gravel, with fine to coarse sand, Interpreted to by the depth of the water table	
		67	SSHS-B855-SUB-12-14 (PCBs 0.2202 mg/kg)			21.2
					No recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B897

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753636.1666 ft **EASTING** 762629.2949 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B897-SUB-0-2		WELL GRADED SAND WITH CLAY AND GRAVEL, tan to brown, dry to moist, medium dense, fine gravel	4.6
2					SILTY SAND WITH GRAVEL, tan to brown, dry to moist, medium dense, fine to coarse gravel	
		100	SSHS-B897-SUB-2-4 (PCBs 145.9 mg/kg)		Dark gray, black shiny material (ash)	4.5
4					SILTY SAND WITH GRAVEL, dark gray to black, dry, medium dense, some black shiny material (ash)	
		100	SSHS-B897-SUB-4-6 (PCBs 103.8 mg/kg)		SILTY GRAVEL WITH SAND, light tan, dry, medium dense, coarse gravel	0.5
6					SANDY SILT WITH GRAVEL, yellow tan, dry to moist, dense, fine gravel, little black shiny material (ash) Some black shiny material (ash)	
		100	SSHS-B897-SUB-6-8 (PCBs 34.58 mg/kg)		No black shiny material SILT WITH SAND, gray to brown, dry, loose, fine to coarse sand	1.3
8					WELL GRADED GRAVEL WITH SILT AND SAND, tan to brown, moist, medium dense, Note: excess material in 6-8 boring, indicative of 8-10' bgs interval, appears stained and contains black shiny material and wood	

Bottom of borehole at 8.0 feet.

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BORING B931

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753668.8765 ft **EASTING** 762720.2134 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B931-SUB-0-2 (PCBs 13.19 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, tan to brown, dry to moist, fine to coarse sand, and fine to coarse gravel	2.1
2		100	SSHS-B931-SUB-2-4		WELL GRADED SAND WITH SILT, dark brown, dry, medium dense, few black shiny material (ash)	2.6
					WELL GRADED SAND, and black shiny material (ash), (abundant black shiny material)	
4					SILT WITH GRAVEL, dark brown, moist, stiff, and coarse gravel, few black shiny material (ash)	
		100	SSHS-B931-SUB-4-6 (PCBs 11.58 mg/kg)		SILT WITH GRAVEL, orange brown, moist, stiff, fine to coarse gravel	
					WELL GRADED SAND WITH SILT, black, sand and silt is composed of foreign material	3.8
6						
		100	SSHS-B931-SUB-6-8		LEAN CLAY, dark gray to brown, moist, very stiff, medium plasticity	2.6
8					SILTY GRAVEL, orange, dry to moist, medium dense, non plastic, fine to coarse gravel	

Bottom of borehole at 8.0 feet.

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BORING B932

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753691.5077 ft **EASTING** 762705.2036 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		71	SSHS-B932-SUB-0-2 @ 15:30 (PCBs 0.128 mg/kg)		SILTY SAND WITH GRAVEL, tan, dry to moist, medium dense, fine to coarse sand, with silt, and fine gravel	2.1
					No recovery	
2		100	SSHS-B932-SUB-2-4 @ 15:35 (PCBs 165 mg/kg)		SILTY SAND, dark brown, moist, medium dense, non plastic, few gravel, black shiny material (ash)	1.2
4		100	SSHS-B932-SUB-4-6 @ 15:40 (PCBs 28.26 mg/kg)		SILT, tan to brown, dry, soft LEAN CLAY WITH GRAVEL, tan brown, soft, medium plasticity	14.2
6					Bottom of borehole at 6.0 feet.	

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BORING B934

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, dry to moist, (TOPSOIL) with roots present	
		100	SSHS-B934-SUB-0-2 @ 8:45 (PCBs 24.04 mg/kg)		SILTY SAND WITH GRAVEL, SAND, tan to brown, dry, medium dense, with silt, and fine to coarse gravel, with black shiny material (ash)	0.6
2					Bottom of borehole at 2.0 feet.	

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BORING B935

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753639.2211 ft **EASTING** 762714.3637 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B935-SUB-0-2 @ 8:55 (PCBs 13.23 mg/kg)		SILT, brown, dry to moist, non plastic, (TOPSOIL) with roots present	1.2
					SILTY SAND WITH GRAVEL, dark brown, dry, medium dense, coarse gravel, (fine black shiny material)	
2					Bottom of borehole at 2.0 feet.	

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BORING B943

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/10/18 **COMPLETED** 1/10/18
NORTHING 753677.2066 ft **EASTING** 762763.3367 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		88	SSHS-B943-SUB-0-2 @ 15:55		WELL GRADED SAND WITH GRAVEL, tan brown, moist, loose, fine to coarse gravel, brick present	1.6
2					No recovery	
		179	SSHS-B943-SUB-2-4 @ 16:00 (PCBs 10.03 mg/kg)		SILTY SAND WITH GRAVEL, tan brown, dry to moist, dense	0.8
4					SANDY SILT, dark gray to black, black shiny material (ash), Note: This is below the proposed sample depth	
6					Bottom of borehole at 6.0 feet.	

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BORING B830

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753839.7029 ft **EASTING** 762575.7157 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B880-SUB-0-2 @ 14:45 (PCBs 36.16 mg/kg)		Asphalt WELL GRADED SAND WITH SILT AND GRAVEL, yellow to tan, dry to moist, medium dense	1.4
2		75	SSHS-B880-SUB-2-4 @ 14:50 (PCBs 137.6 mg/kg)		SANDY SILT WITH GRAVEL, dark brown, dry, medium stiff No recovery Note: Hit refusal @ 4 ft bg, no sample collected	4.1
4					Bottom of borehole at 4.0 feet.	

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BORING B846

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753763.2858 ft **EASTING** 762708.1465 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	SSHS-B846-SUB-0-2 @ 8:45		Asphalt	
					WELL GRADED SAND, light yellow brown, moist, loose	3.2
					WELL GRADED SAND WITH SILT AND GRAVEL, dark brown, moist, medium dense, some brick and black shiny material	
					No recovery	
2		88	SSHS-B846-SUB-2-4 @ 8:50 (PCBs 0.1946 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, dark brown, moist, dense, crushed yellow-orange brick	0.8
					Dry to moist, medium dense, burnt orange crushed brick	
					No recovery	
4		58	SSHS-B846-SUB-4-6 @ 8:55 (PCBs 1.406 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, dark brown, moist, medium dense	1.9
					WELL GRADED SAND, dark orange brown, wet, loose, with orange and red brick fragments	
					WELL GRADED SAND WITH SILT, brown, moist, loose	
					No recovery	
6		75	SSHS-B846-SUB-6-8 @ 9:00 (PCBs <0.1099 mg/kg)		SILT, dark brown, dry to moist, stiff, non plastic	0.8
					Green gray	
					No recovery	
8					Bottom of borehole at 8.0 feet.	

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BORING B873

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753752.9905 ft **EASTING** 762737.6674 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B873-SUB-0-2 @ 13:55		WELL GRADED SAND WITH SILT, tan, dry, loose	3.8
					WELL GRADED SAND WITH SILT, dark brown, moist, medium dense, some black shiny material (ash), crushed brick present	
2					Coarse gravel, brick but no black shiny material	
		67	SSHS-B873-SUB-2-4 @ 14:00 (PCBs 1.731 mg/kg)			3.8
					No recovery	
4					SAND, medium dense, with silt, and fine gravel, and black shiny material (ash), black shiny material present in matrix	
		83	SSHS-B873-SUB-4-6 @ 14:05 (PCBs 4.261 mg/kg)			5
					No recovery	
6						
		58	SSHS-B873-SUB-6-8 @ 14:10			6.1
					No recovery	
8					Bottom of borehole at 8.0 feet.	

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BORING B880

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753646.0714 ft **EASTING** 762702.451 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B880-SUB-0-2 (PCBs 36.16 mg/kg)		SILT, dark brown, moist, non plastic, with grass roots	3.3
					WELL GRADED SAND, dark brown, dry to moist, loose, fine to coarse sand	
					SILTY SAND, dark brown to black, moist, medium dense, with black shiny material (ash)	
2		79	SSHS-B880-SUB-2-4 (PCBs 137.6 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, dark black black, moist, medium dense, with black shiny material (ash), with brick	5
					No recovery	
4		100	SSHS-B880-SUB-4-6		WELL GRADED SAND WITH SILT AND GRAVEL, dark black black, dry to moist, medium dense, with black shiny material (ash), and brick (black shiny material increases with depth)	1.6
					SANDY LEAN CLAY WITH GRAVEL, orange, dry to moist, low plasticity	
6		88	SSHS-B880-SUB-6-8 (PCBs 1.514 mg/kg)		Black shiny material (ash), (FILL)	3.5
					SANDY LEAN CLAY WITH GRAVEL, orange, moist, low plasticity, fine gravel	
					No recovery	
8		100	SSHS-B880-SUB-8-10		WELL GRADED SAND WITH GRAVEL, orange tan, dry to moist, dense, fine to coarse gravel	2.8
					WELL GRADED SAND, orange tan, fine to coarse grained, dry to moist, dense	
10						

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BORING B880

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B880-SUB-10-12 (PCBs 0.2794 mg/kg)		POORLY GRADED SAND, orange, fine grained, moist, dense	3.3
					WELL GRADED GRAVEL WITH SILT AND SAND, orange, moist, loose, fine to coarse sand	
					No recovery	
12					WELL GRADED GRAVEL WITH SILT AND SAND, orange brown, wet, loose	
		63	SSHS-B880-SUB-12-14			3.4
					No recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B884

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753861.1465 ft **EASTING** 762647.3592 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		83	SSHS-B884-SUB-0-2 @ 13:00		WELL GRADED SAND WITH SILT, tan brown, dry to moist, loose, fine gravel	3.8
					SILTY SAND, dark brown, moist, fine to coarse sand, with silt, and black shiny material (ash), crushed brick is present	
2					No recovery	
		100	SSHS-B884-SUB-2-4 @ 13:05 (PCBs 0.19 mg/kg)		WELL GRADED SAND WITH GRAVEL, brown, dry to moist, dense, fine to coarse sand, with fine to coarse gravel	3.9
4					Red brick	
		79	SSHS-B884-SUB-4-6 @ 13:10		WELL GRADED SAND WITH GRAVEL, gray brown, dry to moist, medium dense, fine gravel	
					SILTY GRAVEL WITH SAND, yellow, moist, non plastic, coarse gravel, with silt, and fine sand	10.8
6					No recovery	
		100	SSHS-B884-SUB-6-8 @ 13:15 (PCBs 0.2051 mg/kg)		Dark brown with black, moist, loose, sand size soil is composed entirely of slag, coal, and black shiny material	9.6
					SILT, brown gray, moist, stiff, low plasticity	
8					Bottom of borehole at 8.0 feet.	

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BORING B901

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753800.0902 ft **EASTING** 762779.8885 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT WITH GRAVEL, SILT, brown, dry to moist, stiff, non plastic, with gravel, and roots, (TOPSOIL)	
		100	SSHS-B901-SUB-0-2 @ 8:10 (PCBs 1.294 mg/kg)		WELL GRADED SAND WITH SILT, dark brown, dry, loose, non plastic, some brick present	1.9
2		75	SSHS-B901-SUB-2-4 @ 8:15		SILTY SAND WITH GRAVEL, light brown to brown, moist, coarse gravel, and black shiny material (ash)	2.4
					No recovery	
4		63	SSHS-B901-SUB-4-6 @ 8:20		WELL GRADED SAND WITH SILT, dark brown, dry to moist, medium dense, non plastic, coarse gravel	2.5
					No recovery	
6		100	SSHS-B901-SUB-6-8 @ 8:25		WELL GRADED SAND WITH SILT, dark brown, dry to moist, loose, non plastic, coarse gravel GRAVELLY SILT WITH SAND, dark gray brown, moist, stiff, with fine to coarse sand, and coarse gravel Black shiny material (ash)	0.5
8					Bottom of borehole at 8.0 feet.	

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BORING B907

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753717.9742 ft **EASTING** 762761.4239 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B907-SUB-0-2 @ 9:15		Asphalt	
					WELL GRADED SAND WITH GRAVEL, light tan brown, dry to moist, loose, fine gravel	3.5
2		100	SSHS-B907-SUB-2-4 @ 9:20 (PCBs 50.71 mg/kg)		WELL GRADED SAND WITH SILT, dark brown to black, dry, silt and sand is composed primarly of black shiny material	1.8
4		100	SSHS-B907-SUB-4-6 @ 9:25		WELL GRADED SAND, dark gray, dry, loose, foreign material	
					SILT WITH SAND, yellow to orange, wet, stiff, low plasticity	1.9
6		100	SSHS-B907-SUB-6-8 @ 9:30 (PCBs <0.0954 mg/kg)		SILTY SAND WITH GRAVEL, orange gray, dry to moist, medium dense, fine to coarse gravel	
					SILT, gray, moist, stiff, non plastic	1.8
					SILT, orange brown, moist, stiff, non plastic	
8		100	SSHS-B907-SUB-8-10 @ 9:35		WELL GRADED SAND WITH SILT, dark brown to black, dry, silt and sand is composed primarly of black shiny material	
					SILT, orange brown, moist, stiff, non plastic	0.6
					GRAVELLY SILT WITH SAND, orange, moist, stiff	
10						

Bottom of borehole at 10.0 feet.

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BORING B909

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753606.7802 ft **EASTING** 762614.5607 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, dry to moist, non plastic, (TOPSOIL)	
		67	SSHS-B909-SUB-0-2 @ 10:55		WELL GRADED SAND WITH SILT AND GRAVEL, brown, dry to moist, medium dense, low plasticity, fine to coarse gravel	4.5
					No Recovery	
2					WELL GRADED SAND WITH SILT AND GRAVEL, brown, dry to moist, medium dense, low plasticity, fine to coarse gravel	
		67	SSHS-B909-SUB-2-4 @ 11:00		WELL GRADED SAND WITH GRAVEL, dark gray black, moist, medium dense, soil appears stained	4.6
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B910

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753604.0538 ft **EASTING** 762598.6028 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B910-SUB-0-2 @ 10:30		SILT, dark brown, dry to moist, non plastic, grass and roots present	
					WELL GRADED SAND WITH GRAVEL, brown, moist, loose, fine gravel	0.8
					No recovery	
2		63	SSHS-B910-SUB-2-4 @ 10:35 (PCBs 0.1311 mg/kg)		GRAVELLY SILT WITH SAND, yellow brown, moist, stiff, silt, with fine to coarse gravel, and fine to coarse sand	
					GRAVELLY LEAN CLAY WITH SAND, yellow brown, moist, medium stiff, medium plasticity	0.8
					No recovery	
4		79	SSHS-B910-SUB-4-6 @ 10:40 (PCBs 0.6076 mg/kg)		WELL GRADED SAND WITH GRAVEL, dark gray to brown, moist, with black shiny material (ash), brick present, soil appears stained	0.4
					No recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B921

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753755.4872 ft **EASTING** 762529.2591 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	SSHS-B921-SUB-0-2 @ 9:45		Asphalt	
					WELL GRADED SAND WITH SILT AND GRAVEL, tan brown, dry to moist, loose, non plastic, fine to coarse gravel	3.1
					No recovery	
2		100	SSHS-B921-SUB-2-4 @ 9:50 (PCBs 1.331 mg/kg)		Wet Dark brown, soil appears stained WELL GRADED SAND WITH SILT AND GRAVEL, tan brown, dry to moist, loose, non plastic, fine to coarse gravel	0.6
					WELL GRADED GRAVEL, tan brown, dry, loose	
4		54	SSHS-B921-SUB-4-6 @ 9:55		WELL GRADED SAND WITH SILT, tan brown, dry to moist, medium dense, fine to coarse sand, with silt, and fine gravel	
					No recovery Note: Hit refusal only made it to 5 1/2 ft bgs	3.3
6					Bottom of borehole at 6.0 feet.	

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BORING B939

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/18 **COMPLETED** 1/11/18
NORTHING 753624.5557 ft **EASTING** 762618.8717 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	SSHS-B939-SUB-0-2		Asphalt WELL GRADED SAND, tan brown, dry to moist, loose, trace gravel	2.8
2		100	SSHS-B939-SUB-2-4		No recovery WELL GRADED SAND WITH SILT AND GRAVEL, tan brown, dry to moist, loose WELL GRADED SAND WITH SILT AND GRAVEL, dark gray, dry to moist, dense, and black shiny material (ash)	4
4					Bottom of borehole at 4.0 feet.	

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BORING B834

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753803.1118 ft **EASTING** 762612.1001 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B834-SUB-0-2 @ 11:40 (PCBs 81.1 mg/kg)		SANDY SILT WITH GRAVEL, dark brown, moist, soft, low plasticity, fine to coarse gravel	5.4
2					Wet SILTY GRAVEL WITH SAND, dark brown, moist, dense, non plastic, fine to coarse sand Red brick	
		79	SSHS-B834-SUB-2-4 @ 11:45 (PCBs 28.01 mg/kg)			6.4
					No recovery	
4					SILTY GRAVEL WITH SAND, dark brown, moist, dense, non plastic, fine to coarse sand, with red brick	
		100	SSHS-B834-SUB-4-6 @ 11:50 (PCBs 3.151 mg/kg)		SILTY SAND WITH GRAVEL, dark brown, moist, dense, low plasticity, fine to coarse sand, with silt, and fine to coarse gravel	4.8
6					SILTY GRAVEL WITH SAND, dark brown, wet, loose, with black shiny material (ash), some brick	
		100	SSHS-B834-SUB-6-8 @ 11:55 (PCBs 3.949 mg/kg)			7
8					Wet, loose	
		92	SSHS-B834-SUB-8-10 @ 12:00			4.1
					No recovery	
10						

Bottom of borehole at 10.0 feet.

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BORING B836

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753821.1695 ft **EASTING** 762601.5129 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED SAND WITH GRAVEL, brown, dry to moist, medium dense, fine gravel	
		100	SSHS-B836-SUB-0-2 (PCBs 205.5 mg/kg)		SILTY SAND WITH GRAVEL, dark brown, moist, non plastic, glass present	32.8
2					SILTY GRAVEL, light tan, dry to moist, medium dense, brick present	
		67	SSHS-B836-SUB-2-4 (PCBs 18.21 mg/kg)			30.3
					No recovery	
4					SANDY SILT WITH GRAVEL, dark brown, moist, brick present, appears to be locally stained	
		100	SSHS-B836-SUB-4-6 (PCBs 13 mg/kg)			12.5
6					SILTY GRAVEL WITH SAND, dark brown, fine to coarse grained, moist to wet, non plastic, hydrocarbon odor	
		100	SSHS-B836-SUB-6-8 (PCBs 15.32 mg/kg)			16.9
8					Red brick	

Bottom of borehole at 8.0 feet.

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BORING B887

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753694.9821 ft **EASTING** 762697.6806 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED SAND, light brown, moist, medium dense	
		100	SSHS-B887-SUB-0-2 @ 15:00		SILTY SAND WITH GRAVEL, dark brown, moist to wet, loose	2.7
2					SILTY SAND, dark brown, dry, dense, medium to coarse sand	
		75	SSHS-B887-SUB-2-4 @ 15:05		SILTY GRAVEL, gray tan, dry to moist, dense, non plastic	3.2
					No recovery	
4					SILT WITH GRAVEL, orange brown, stiff, black shiny material (ash), and brick present	
		58	SSHS-B887-SUB-4-6 @ 15:10		SILT WITH GRAVEL, green gray, moist, and black shiny material (ash)	8.3
					No recovery	
6					SILTY SAND, dark brown to black, moist, dense, black shiny material (ash), (abundant black shiny material)	
		92	SSHS-B887-SUB-6-8 @ 15:15 (PCBs 9.618 mg/kg)		LEAN CLAY, yellow brown, moist, stiff, with black shiny material (ash)	3.9
8					No recovery	
		71	SSHS-B887-SUB-8-10 @ 15:20 (PCBs 17.24 mg/kg)		SILTY GRAVEL, yellow orange, moist, dense, low plasticity, coarse gravel	1.5
					No recovery	
10						

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		83	SSHS-B887-SUB-10-12 @ 15:25 (PCBs 2.961 mg/kg)		Orange tan, increasing amount of sand (fine to coarse)	1.3
					No recovery	
12					WELL GRADED SAND WITH SILT, dark brown, moist, medium dense	
		83	SSHS-B887-SUB-12-14 @ 15:30		SILTY GRAVEL WITH SAND, orange brown, moist, fine to coarse gravel, with fine to coarse sand	1.1
					No recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B889

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753766.5896 ft **EASTING** 762586.0634 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B889-SUB-0-2 @ 2.4 (PCBs 75.92 mg/kg)		WELL GRADED SAND WITH SILT, brown, dry to moist, dense, fine to coarse sand	
					SILTY SAND, dark brown, dry to moist, dense, fine to coarse sand, few gravel	2.4
2					WELL GRADED GRAVEL WITH SILT, dark brown, wet, loose	
		63	SSHS-B889-SUB-2-4 @ 7.5 (PCBs 50.29 mg/kg)			7.5
					No recovery	
4					WELL GRADED GRAVEL WITH SILT, dark brown, wet, loose	
		100	SSHS-B889-SUB-4-6 @ 23.8		WELL GRADED SAND WITH GRAVEL, dark gray, dry, loose, and black shiny material (ash)	23.8
					GRAVELLY SILT, dark brown, moist, stiff, non plastic	
6					SILTY GRAVEL WITH SAND, dark brown, wet, very loose	
		100	SSHS-B889-SUB-6-8 @ 11.4 (PCBs 12.05 mg/kg)			11.4
8					GRAVELLY SILT, dark brown, moist, stiff	
					SILTY GRAVEL WITH SAND, dark brown, wet, very loose	15.4
		100	SSHS-B889-SUB-8-10 @ 15.4 (PCBs 3.11 mg/kg)			
10					WELL GRADED SAND, dark brown, dry to moist, medium dense, and black shiny material (ash), slag and yellow/red brick	

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BORING B889

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B889-SUB-10-12 @ 14.0 (PCBs 4.181 mg/kg)		SILTY GRAVEL, dark brown, wet, loose, with brick	14
12		67	SSHS-B889-SUB-12-14 @ 8.4 (PCBs 4.451 mg/kg)		No recovery	8.4
14					Bottom of borehole at 14.0 feet.	

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BORING B898

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753752.1473 ft **EASTING** 762560.6501 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B898-SUB-0-2 @ 10:15		WELL GRADED SAND WITH SILT, brown, dry to moist, medium dense, brick present	13.5
2					SANDY SILT, dark brown, moist, with fine to coarse sand	
		83	SSHS-B898-SUB-2-4 @ 10:20 (PCBs 21.31 mg/kg)		SANDY SILT WITH GRAVEL, light brown, dry, soft, with coarse gravel	
					SILTY GRAVEL, dark brown, dry to moist, dense, non plastic, with coarse gravel	10
4					No recovery	
		100	SSHS-B898-SUB-4-6 @ 10:25 (PCBs 44.82 mg/kg)		GRAVELLY SILT WITH SAND, light gray brown, dry to moist, loose, non plastic	
					SILTY SAND WITH GRAVEL, dark gray to black, non plastic, fine gravel, with black shiny material (ash), hydrocarbon odor	11.9
6					SILTY GRAVEL, dark brown, dry to moist, dense, with coarse gravel, hydrocarbon odor	
		54	SSHS-B898-SUB-6-8 @ 10:30 (PCBs 0.6536 mg/kg)		With black shiny material (ash)	
					No recovery	39.5
8					Bottom of borehole at 8.0 feet.	

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BORING B915

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753829.4077 ft **EASTING** 762627.7497 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					SILTY SAND, dark brown to brown, fine to coarse grained, moist, medium dense, non plastic, black shiny material (ash)	
		100	SSHS-B915-SUB-0-2 @ 13:50		SANDY SILT WITH GRAVEL, gray to tan, moist, low plasticity, fine gravel, and brick	3.6
2						
		67	SSHS-B915-SUB-2-4 @ 13:55 (PCBs 9.101 mg/kg)		SILTY GRAVEL WITH SAND, light brown, dry to moist, dense, fine gravel, with silt, and fine sand	3.4
					No recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B919

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753738.5516 ft **EASTING** 762682.2345 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED SAND WITH GRAVEL, light brown, moist, medium dense	
		100	SSHS-B919-SUB-0-2		WELL GRADED SAND WITH SILT, dark brown, moist, medium dense, and black shiny material (ash)	3.4
					Brick present Dark brown, dry to moist, dense, black shiny material (ash), sand and silt size grains	
2					Brick	
					SILTY GRAVEL, gray brown, dry, loose, with black shiny material (ash)	
		96	SSHS-B919-SUB-2-4		SANDY SILT WITH GRAVEL, orange, dry, soft	2.4
					SANDY SILT WITH GRAVEL, light brown tan, dry, loose, with black shiny material (ash)	
4					No recovery SILTY SAND WITH GRAVEL, dark brown, dry to moist, medium dense, and brick	
		63	SSHS-B919-SUB-4-6		No recovery	3.8
6					Moist	
					SILTY GRAVEL, tan gray, fine to coarse grained, dry to moist, non plastic	
		50	SSHS-B919-SUB-6-8 (PCBs 30.01 mg/kg)		No recovery	3.7
8					SANDY SILT WITH GRAVEL, dark brown, dry to moist, soft, non plastic	
					SILTY SAND, light gray, concrete SILT WITH GRAVEL, light tan, moist, non plastic	
		83	SSHS-B919-SUB-8-10			2.1
					No recovery	
10						

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BORING B919

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		67	SSHS-B919-SUB-10-12 (PCBs 2.281 mg/kg)		SILT WITH GRAVEL, light tan, moist, non plastic WELL GRADED GRAVEL WITH SAND, orange brown, dry to moist, loose, fine to medium sand	2.3
					No recovery	
12					Bottom of borehole at 12.0 feet.	

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BORING B922

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753732.5378 ft **EASTING** 762528.3962 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B922-SUB-0-2 @ 10:40		WELL GRADED SAND WITH SILT, tan brown, dry to moist, loose, fine to coarse sand, with silt	11.3
2					WELL GRADED SAND WITH SILT, dark gray brown, moist, non plastic, brick present	
			SSHS-B922-SUB-2-4 @ 10:45 (PCBs 2.344 mg/kg)		Note: Hit conrete and refusal at 3ft. Two (2) attempts were made. Bottom of borehole at 3.0 feet.	6.4

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BORING B925

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/18 **COMPLETED** 1/12/18
NORTHING 753838.909 ft **EASTING** 762643.4878 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B925-SUB-0-2		SILTY SAND WITH GRAVEL, SAND, light tan brown, dry to moist, loose, with silt, and fine gravel	2.8
2		71	SSHS-B925-SUB-2-4 (PCBs 1.53 mg/kg)		SILTY SAND, dark brown, dry to moist, some gravel, and black shiny material (ash), brick present in matrix	5.7
					No recovery	
4		63	SSHS-B925-SUB-4-6 (PCBs 1.711 mg/kg)		Black shiny material (ash), no brick	3.9
					No recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B828

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/18 **COMPLETED** 1/14/18
NORTHING 753795.7201 ft **EASTING** 762666.8211 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B828-SUB-0-2 @ 14:00 (PCBs 3.961 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, tan brown, dry to moist, medium dense, fine to coarse gravel	0.1
2		71	SSHS-B828-SUB-2-4 @ 14:05 (PCBs 1.014 mg/kg)		Low plasticity	0.1
					No recovery	
4		71	SSHS-B828-SUB-4-6 @ 14:10		SILTY SAND WITH GRAVEL, dark brown, moist, medium dense, low plasticity, fine to coarse sand, and black shiny material (ash)	0.3
					No recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B941

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/18 **COMPLETED** 1/14/18
NORTHING 753657.2591 ft **EASTING** 762660.3349 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		108	SSHS-B941-SUB-0-2 @ 14:30		Asphalt	
					SILTY GRAVEL WITH SAND, light tan, dry to moist, loose, coarse gravel	0.3
					SANDY SILT, dark brown, dry to moist, dense, non plastic, brick present, soil appears stained	
2		100	SSHS-B941-SUB-2-4 @ 14:35 (PCBs 42.52 mg/kg)		Medium dense, with black shiny material (ash), brick and pulverized concrete present	0.2
4		100	SSHS-B941-SUB-4-6 @ 14:40 (PCBs 16.35 mg/kg)		Loose	
					Black shiny material (ash), no brick	0.2
6					GRAVELLY SILT, orange tan, dry to moist, dense, coarse gravel, plasticity unknown (frozen)	

Bottom of borehole at 6.0 feet.

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BORING B942

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/18 **COMPLETED** 1/14/18
NORTHING 753732.2622 ft **EASTING** 762722.7921 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	SSHS-B942-SUB-0-2 @ 14:50		SILTY GRAVEL WITH SAND, tan, dry to moist, medium dense, coarse gravel	
					SILTY GRAVEL WITH SAND, dark brown, moist, dense, low plasticity, and black shiny material (ash), brick present	0.6
					No recovery	
2		100	SSHS-B942-SUB-2-4 @ 14:55 (PCBs 5.268 mg/kg)		SILTY GRAVEL WITH SAND, light gray, dry to moist, medium dense, with black shiny material (ash)	0.1
4					Dark gray black, black shiny material (ash), black material interpreted to by coal, brick also present	

Bottom of borehole at 4.0 feet.

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BORING B892

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/16/18 **COMPLETED** 1/16/18
NORTHING 753711.3075 ft **EASTING** 762667.9399 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		92	SSHS-B892-SUB-0-2 @ 8:30 (PCBs 22.41 mg/kg)		SILTY SAND WITH GRAVEL, tan brown, dry to moist, medium dense, fine to coarse sand, with silt, and fine to medium gravel	0.4
					SANDY SILT WITH GRAVEL, dark brown, dry to moist, stiff, fine to coarse gravel	
2					With black shiny material (ash), brick and concrete present	
		104	SSHS-B892-SUB-2-4 @ 8:35 (PCBs 131.8 mg/kg)			0.6
4						
		100	SSHS-B892-SUB-4-6 @ 8:40 (PCBs 18.61 mg/kg)		Dark brown to black, dry, medium dense, black shiny material (ash)	1.2
6					SILT, yellow brown, dry, medium dense, non plastic	
					SILT, with black shiny material (ash)	
		88	SSHS-B892-SUB-6-8 @ 8:45 (PCBs 2.421 mg/kg)			0.7
					SANDY SILT WITH GRAVEL, dark yellow brown, with black shiny material (ash)	
8					WELL GRADED SAND, dark yellow brown, medium dense, low plasticity, with black shiny material (ash)	
		100	SSHS-B892-SUB-8-10 @ 8:50 (PCBs 1.513 mg/kg)			0.8
					SILT, yellow tan, moist, low plasticity	
10						

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BORING B892

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B892-SUB-10-12 @ 8:55 (PCBs 0.9559 mg/kg)		SANDY SILT WITH GRAVEL, yellow tan, dry to moist, non plastic	0.7
12		83	SSHS-B892-SUB-12-14 @ 9:00 (PCBs 1.586 mg/kg)		Low plasticity SILTY GRAVEL, yellow brown, moist, loose, fine to coarse gravel No recovery	0.3
14					Bottom of borehole at 14.0 feet.	

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BORING B916

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/16/18 **COMPLETED** 1/16/18
NORTHING 753771.0285 ft **EASTING** 762599.3508 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		108	SSHS-B916-SUB-0-2 @ 14:25		Asphalt WELL GRADED GRAVEL WITH SILT, tan brown, moist, medium dense, fine to coarse gravel, and black shiny material (ash)	0.5
2		100	SSHS-B916-SUB-2-4 @ 14:30 (PCBs 87.1 mg/kg)		SILTY GRAVEL WITH SAND, dark brown, moist, medium dense, low plasticity, medium to coarse sand WELL GRADED GRAVEL WITH SILT AND SAND, yellow tan, dry, medium dense WELL GRADED GRAVEL WITH SILT AND SAND, dark gray brown, moist, medium dense, low plasticity, fine to coarse sand, and black shiny material (ash), with brick	0.6
4					Bottom of borehole at 4.0 feet.	

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BORING B920

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/16/18 **COMPLETED** 1/16/18
NORTHING 753714.9938 ft **EASTING** 762705.0337 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B920-SUB-0-2 @ 13:30 (PCBs 0.3444 mg/kg)		Asphalt SILTY GRAVEL WITH SAND, tan brown, low plasticity, fine to coarse gravel	0.7
2					CLAYEY SAND WITH GRAVEL, dark brown, moist, medium dense, fine to coarse gravel, with black shiny material (ash)	
		100	SSHS-B920-SUB-2-4 @ 13:35 (PCBs 45.17 mg/kg)		SILTY SAND, dark brown, moist, medium dense, low plasticity, brick SILT WITH SAND, tan brown, moist, medium dense, coarse gravel, with black shiny material (ash)	0.2
4		100	SSHS-B920-SUB-4-6 @ 13:40 (PCBs 19.03 mg/kg)		CLAYEY SAND WITH GRAVEL, SAND, dark gray black, low plasticity, with clay, and fine to coarse gravel, and black shiny material (ash), brick	0.6
6		88	SSHS-B920-SUB-6-8 @ 13:45 (PCBs 12.98 mg/kg)		SILTY SAND WITH GRAVEL, orange tan, dense, non plastic SILTY SAND, dark gray black, dry to moist, medium dense, with black shiny material (ash)	0.5
8					No recovery SILTY SAND, dark gray black, dry to moist, medium dense, with black shiny material (ash) LEAN CLAY, yellow brown, moist, stiff	
		88	SSHS-B920-SUB-8-10 @ 13:50 (PCBs 3.521 mg/kg)		SILT WITH SAND, yellow brown, moist, medium stiff, non plastic	0.3
10					No recovery	

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BORING B920

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					CLAYEY SAND, dark brown, moist, stiff, medium plasticity	
		100	SSHS-B920-SUB-10-12 @ 13:55 (PCBs 7.293 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, orange brown, moist, non plastic, coarse gravel	0.8
12					Bottom of borehole at 12.0 feet.	

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BORING B930

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/16/18 **COMPLETED** 1/16/18
NORTHING 753768.8927 ft **EASTING** 762653.4091 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	SSHS-B930-SUB-0-2 @ 14:45		Asphalt SILTY SAND WITH GRAVEL, dark gray to brown, moist, medium dense, coarse sand	0.9
2		125	SSHS-B930-SUB-2-4 @ 14:50 (PCBs 3.711 mg/kg)		No recovery SILTY SAND WITH GRAVEL, dark brown, moist, medium dense, fine to coarse gravel WELL GRADED SAND WITH GRAVEL, tan gray, dry to moist, medium dense And black shiny material (ash)	1.3
4		67	SSHS-B930-SUB-4-6 @ 14:55		SILTY SAND WITH GRAVEL, dark brown, moist, medium dense, low plasticity, fine to medium sand, with black shiny material (ash) No recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B856

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/17/18 **COMPLETED** 1/17/18
NORTHING 753693.1809 ft **EASTING** 762680.3053 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					SANDY SILT WITH GRAVEL, dark brown, dry to moist, non plastic, fine to coarse gravel	
		54	SSHS-B856-SUB-0-2 @ 11:20 (PCBs 0.1093 mg/kg)		SILTY GRAVEL WITH SAND, tan brown, moist, medium dense	4.7
					No recovery	
2					SILTY SAND WITH GRAVEL, dark brown, dry to moist, medium dense, low plasticity, fine to medium sand, soil contains brick, shiny material, and appears stained	
		67	SSHS-B856-SUB-2-4 @ 11:25			2.5
					No recovery	
4					SILTY SAND WITH GRAVEL, dark brown, dry to moist, medium dense, low plasticity, fine to medium sand, soil contains brick, shiny material, and appears stained	
					SILT, light brown to brown, stiff, non plastic, and black shiny material (ash), some gravel	
		92	SSHS-B856-SUB-4-6 @ 11:30			0.5
					No recovery	
6					SILTY SAND WITH GRAVEL, dark brown, dry to moist, loose, some black shiny material (ash)	
					SANDY SILT WITH GRAVEL, orange brown, non plastic, some gravel, locally stained with black shiny material	
		71	SSHS-B856-SUB-6-8 @ 11:35 (PCBs 15.71 mg/kg)			0.8
					No recovery	
8					LEAN CLAY WITH SAND, tan brown, moist, stiff, medium plasticity, fine to coarse sand	
		117	SSHS-B856-SUB-8-10 @ 11:40 (PCBs 2.456 mg/kg)			0.5
					SILT, tan orange, dry to moist, stiff, non plastic	
10						

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BORING B856

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B856-SUB-10-12 @ 11:45 (PCBs 16.48 mg/kg)		LEAN CLAY WITH GRAVEL, dark brown with orange, medium plasticity	
					SILTY SAND WITH GRAVEL, orange brown, dry to moist, dense, fine to coarse sand, with silt, and fine to coarse gravel	0.3
12		88	SSHS-B856-SUB-12-14 @ 11:50 (PCBs 7.023 mg/kg)		Orange brown, dry to moist, dense	0.8
14					No Recovery	
					Bottom of borehole at 14.0 feet.	

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BORING B885

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/17/18 **COMPLETED** 1/17/18
NORTHING 753703.1579 ft **EASTING** 762731.3321 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		92	SSHS-B885-SUB-0-2		WELL GRADED SAND WITH GRAVEL, tan, dry to moist, medium dense	0.5
					SILTY SAND WITH GRAVEL, dark gray brown, moist, and black shiny material (ash)	
2					No recovery	
		100	SSHS-B885-SUB-2-4 (PCBs 33.53 mg/kg)		SILTY SAND, dark gray brown, low plasticity	0.4
					SILTY SAND, dark brown, moist, non plastic, with brick and concrete	
4					SILTY SAND WITH GRAVEL, dark brown, low plasticity, black shiny material (ash)	
		100	SSHS-B885-SUB-4-6			1.7
					SILTY SAND, orange tan, moist, medium dense, with black shiny material (ash), black staining	
		100	SSHS-B885-SUB-6-8 (PCBs 8.809 mg/kg)		Black shiny material (ash), (FILL)	0.6
					SILT, light tan orange, moist, stiff, non plastic	
		100	SSHS-B885-SUB-8-10			0.4
					SILTY SAND WITH GRAVEL, orange, moist, medium dense, some fine gravel	

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BORING B885

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		88	SSHS-B885-SUB-10-12 (PCBs 5.601 mg/kg)			0.3
					No recovery	
					LEAN CLAY, dark brown and orange, moist, stiff, medium to coarse sand, with black shiny material (ash)	
					SANDY SILT WITH GRAVEL, dark brown with orange, moist, stiff, fine to coarse gravel	
		67	SSHS-B885-SUB-12-14			0.4
					No recovery	
					Bottom of borehole at 4.0 feet.	

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BORING B905

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/17/18 **COMPLETED** 1/17/18
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B905-SUB-0-2 @ 9:30		Medium dense, SILTY GRAVEL WITH SAND, moist, brown	1.4
				Medium dense, SILTY SAND, fine gravel, dark brown	
				No recovery	
2.5		SSHS-B905-SUB-2-4 @ 9:35		SILTY SAND WITH GRAVEL, fine gravel, dry to moist, dark brown, low plasticity, soil appears stained with concrete and brick	1.7
				No recovery	
				SANDY SILT WITH GRAVEL, moist, dark brown, low plasticity	
				Black shiny material (ash)	
5.0		SSHS-B905-SUB-4-6 @ 9:40		Medium dense, SILTY SAND, few gravel, moist, yellow brown	0.3
				No recovery	
				Becomes medium dense, few gravel, moist, yellow brown	
		SSHS-B905-SUB-6-8 @ 9:45		Dense, SILTY SAND WITH GRAVEL, coarse gravel, and black shiny material (ash), dry to moist, dark brown, wood, brick, and staining present	0.7
7.5					
		SSHS-B905-SUB-8-10 @ 9:50		Stiff, SANDY SILT WITH GRAVEL, medium to coarse sand, and black shiny material (ash), moist, yellow brown, brick present	0.4
				No recovery	

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BORING B905

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B905-SUB-10-12 @ 9:55		Dense, SILTY SAND WITH GRAVEL, coarse gravel, and black shiny material (ash), dry to moist, dark brown, wood, brick, and staining present	
				Medium dense, SILTY SAND WITH GRAVEL, moist, yellow brown	0.6
				No recovery	
				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B839

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753667.7971 ft **EASTING** 762643.2451 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B839-SUB-0-2 @ 14:45 (PCBs 17.66 mg/kg)		Asphalt	
					WELL GRADED SAND, brown, dry to moist, loose	1.7
2		100	SSHS-B839-SUB-2-4 @ 15:10		SANDY SILT, dark brown, moist, stiff, low plasticity, with black shiny material (ash) SILTY SAND, dark brown, little gravel, with black shiny material (ash), and brick present in matrix	1.4
4		100	SSHS-B839-SUB-4-6 @ 15:15		SILT WITH SAND, brown, moist, stiff, with black shiny material (ash), and brick SANDY SILT WITH GRAVEL, yellow and black, dry, stiff, non plastic, and black shiny material (ash)	1.1
6		100	SSHS-B839-SUB-6-8 @ 15:20 (PCBs 0.5661 mg/kg)		With black shiny material (ash)	1.3
8		100	SSHS-B839-SUB-8-10 @ 15:25 (PCBs 0.117 mg/kg)		SILT, orange yellow, low plasticity, few gravel, with black shiny material (ash) SILTY SAND WITH GRAVEL, orange yellow, moist, dense, low plasticity, fine to coarse gravel	0.4
10						

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BORING B839

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILT WITH SAND, dark brown, dry to moist, non plastic, and black shiny material (ash)	
		75	SSHS-B839-SUB-10-12 @ 15:30 (PCBs 52.62 mg/kg)		SILTY SAND WITH GRAVEL, orange yellow, dry to moist, loose, low plasticity, fine to coarse sand, with silt, and fine to coarse gravel	0.7
					No recovery	
12		88	SSHS-B839-SUB-12-14 @ 15:35 (PCBs 2.953 mg/kg)		SILTY GRAVEL, orange brown, wet, medium dense, low plasticity, fine to coarse gravel	1.7
					No recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B845

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753785.5298 ft **EASTING** 762725.0329 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B845-SUB-0-2 @ 13:15		WELL GRADED SAND WITH SILT AND GRAVEL, light tan to brown, dry to moist, loose, with brick present	0.4
2					WELL GRADED SAND WITH SILT, dark red with black, medium dense, and black shiny material (ash), soil appears stained and contains brick	
					No recovery	
4					Appears there is a void, no recovery or resistance	
6						
8					POORLY GRADED SAND WITH GRAVEL, dark brown, moist, loose, few coarse gravel, concrete with black shiny material and possibly slag	
		63	SSHS-B845-SUB-8-10 @ 13:30			9.1
					No recovery	
10						

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BORING B845

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		71	SSHS-B845-SUB-10-12 @ 13:35 (PCBs <0.1029 mg/kg)		SILTY GRAVEL WITH SAND, dark brown, moist, dense, low plasticity, coarse gravel, some foreign material with slag and hydrocarbon odor	19.5
					No recovery	
12		100	SSHS-B845-SUB-12-14 @ 13:40		SILTY SAND, dark brown, wet, loose, low plasticity, coarse sand, hydrocarbon odor	63.1
14					Bottom of borehole at 14.0 feet.	

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BORING B850

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753663.2007 ft **EASTING** 762626.1585 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		75	SSHS-B850-SUB-0-2 @ 10:00 (PCBs 0.3946 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, tan brown, dry to moist, medium dense, fine to coarse gravel	1.8
					No recovery	
2					WELL GRADED SAND WITH SILT AND GRAVEL, tan brown, dry to moist, medium dense, fine to coarse gravel	
		96	SSHS-B850-SUB-2-4 @ 10:05 (PCBs 244.4 mg/kg)		SANDY SILT WITH GRAVEL, dark brown, dry to moist, medium dense, and black shiny material (ash), with brick	1
4					No recovery SANDY SILT WITH GRAVEL, dark brown, dry to moist, medium dense, and black shiny material (ash), with brick and some crushed concrete	
		100	SSHS-B850-SUB-4-6 @ 10:10 (PCBs 46.51 mg/kg)			0.5
6						
		83	SSHS-B850-SUB-6-8 @ 10:15 (PCBs 49.64 mg/kg)		SILTY SAND WITH GRAVEL, dark brown, moist, fine gravel, and brick, soil appears stained	1
					No recovery	
8					Bottom of borehole at 8.0 feet.	

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BORING B851

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753735.402 ft **EASTING** 762642.3166 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B851-SUB-0-2 @ 11:15 (PCBs 12.65 mg/kg)		WELL GRADED SAND WITH GRAVEL, tan brown, dry to moist, loose, fine gravel	2.2
2					SILTY SAND, dark brown, dry to moist, loose, with black shiny material (ash), and brick Crushed convrete	
		100	SSHS-B851-SUB-2-4 @ 11:20 (PCBs 15.58 mg/kg)		SANDY SILT WITH GRAVEL, dark brown, medium dense, non plastic, fine gravel	1.7
					SILTY SAND, dark brown, with black shiny material (ash), and some crushed red brick and concrete	
4					SILTY SAND WITH GRAVEL, dark gray, dry to moist, non plastic, with black shiny material (ash), fine to coarse sand, and some brick	
		100	SSHS-B851-SUB-4-6 @ 11:25 (PCBs 3.651 mg/kg)			1.9
6					Dry to moist	
		83	SSHS-B851-SUB-6-8 @ 11:30 (PCBs 1 mg/kg)			1.7
					No recovery	
8					SILTY SAND WITH GRAVEL, dark gray, dry to moist, non plastic, with black shiny material (ash), fine to coarse sand, and some brick	
		92	SSHS-B851-SUB-8-10 @ 11:35			1.2
10					No recovery	

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BORING B851

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND WITH GRAVEL, dark gray, dry to moist, non plastic, with black shiny material (ash), fine to coarse sand, and some brick	
		67	SSHS-B851-SUB-10-12 @ 11:40 (PCBs 0.6693 mg/kg)		WELL GRADED GRAVEL WITH SILT AND SAND, dark brown, dry to moist, loose, non plastic, with black shiny material (ash), fine to coarse sand	1.5
					No recovery	
12					WELL GRADED GRAVEL WITH SAND, brown, wet, loose, fine to coarse gravel, with fine to coarse sand	
		58	SSHS-B851-SUB-12-14 @ 11:45		No recovery	1.4
14					Bottom of borehole at 14.0 feet.	

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BORING B877

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753698.8174 ft **EASTING** 762609.4361 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B877-SUB-0-2 @ 9:15 (PCBs 2 mg/kg)		Asphalt SILTY SAND WITH GRAVEL, light tan brown, dry to moist, dense, non plastic, fine to coarse sand, with silt, and coarse gravel, with red brick	0.8
2		96	SSHS-B877-SUB-2-4 @ 9:20 (PCBs 116 mg/kg)		SANDY SILT WITH GRAVEL, dark brown tan, dry to moist, fine gravel, some fine pieces of brick and black shiny material SANDY SILT WITH GRAVEL, dark gray brown, moist, dense, glass, black shiny material and bricks are abundant	1.1
4		88	SSHS-B877-SUB-4-6 @ 9:25 (PCBs 33.23 mg/kg)		No recovery WELL GRADED SAND WITH GRAVEL, gray brown, moist, loose, fine gravel SILTY GRAVEL WITH SAND, dark brown, wet, medium dense, low plasticity, fine gravel SANDY SILT WITH GRAVEL, dark brown, dry to moist, low plasticity, with coarse gravel, and black shiny material (ash)	2.9
6		75	SSHS-B877-SUB-6-8 @ 9:30 (PCBs 9.834 mg/kg)		No recovery SANDY SILT WITH GRAVEL, dark brown to black, moist, very stiff, coarse gravel, with black shiny material (ash), appears stained	0.5
8		75	SSHS-B877-SUB-8-10 @ 9:35		WELL GRADED GRAVEL, gray brown, dry to moist, loose No recovery SANDY SILT WITH GRAVEL, brown gray, moist, some black shiny material (ash) SANDY SILT WITH GRAVEL, dark brown, moist, medium stiff, low plasticity, coarse gravel, some black shiny material (ash)	0.7
10					No recovery	

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BORING B877

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		63	SSHS-B877-SUB-10-12 @ 9:40 (PCBs 2.101 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, orange brown, dry to moist, medium dense, low plasticity, fine to coarse gravel	8
					No recovery	
12					SILTY SAND, dark brown, wet, very loose, non plastic, coarse sand	
		71	SSHS-B877-SUB-12-14 @ 9:45		WELL GRADED GRAVEL WITH SAND, yellow brown, dry to moist, loose, fine to coarse sand	4
					No recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B917

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753686.6258 ft **EASTING** 762628.9406 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B917-SUB-0-2 @ 10:30		Asphalt WELL GRADED SAND WITH SILT, tan brown, dry to moist, medium dense, non plastic	8.4
2		100	SSHS-B917-SUB-2-4 @ 10:35 (PCBs 83.15 mg/kg)		SANDY SILT WITH GRAVEL, dark brown to black, moist, with black shiny material (ash), and brick	5
4		100	SSHS-B917-SUB-4-6 @ 10:40		Soil appears stained, contains yellow brick SILTY SAND, dark brown, dry, with black shiny material (ash), black shiny material is abundant (interpreted to be coal)	1.5
6		100	SSHS-B917-SUB-6-8 @ 10:45 (PCBs 12.18 mg/kg)		SILT, black and brown, stiff, non plastic	0.8
8		100	SSHS-B917-SUB-8-10 @ 10:50		SANDY SILT, dark brown, dry, medium dense, some gravel, with black shiny material (ash), and crushed red brick SILT WITH GRAVEL, orange brown, moist, medium stiff, fine gravel	0.2
10						

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BORING B917

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SANDY SILT, dark brown, dry to moist, with black shiny material (ash)	
		79	SSHS-B917-SUB-10-12 @ 10:55		SILTY GRAVEL WITH SAND, yellow tan, dry to moist, medium dense	1.2
					No recovery	
12					SILTY GRAVEL WITH SAND, yellow tan, dry to moist, medium dense, low plasticity	
		71	SSHS-B917-SUB-12-14 @ 11:00 (PCBs 4.178 mg/kg)			1.6
14					No recovery	
					Bottom of borehole at 14.0 feet.	

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BORING B918

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753686.826 ft **EASTING** 762719.6983 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B918-SUB-0-2 @ 13:55		WELL GRADED SAND, brown, dry to moist, medium dense	9.9
2					SANDY SILT WITH GRAVEL, dark brown, dry to moist, stiff, low plasticity, fine gravel, with black shiny material (ash), and brick SILTY SAND, very dark brown to black, dry to moist, low plasticity, with black shiny material (ash), (black material interpreted to be coal)	
		96	SSHS-B918-SUB-2-4 @ 14:00		SILT WITH GRAVEL, dark brown, fine to coarse grained, moist, non plastic, yellow brick	6.8
4					No recovery SILT WITH GRAVEL, dark brown, fine to coarse grained, moist, non plastic, with black shiny material (ash), yellow brick	
		79	SSHS-B918-SUB-4-6 @ 14:05		LEAN CLAY WITH SAND, dark black, and black shiny material (ash), appears stained	5.6
6					No recovery WELL GRADED SAND, dark gray, dry to moist, loose, with black shiny material (ash), and slag clasts	
		100	SSHS-B918-SUB-6-8 @ 14:10 (PCBs 0.5845 mg/kg)		SILT, orange brown, moist, stiff, low plasticity	1.7
8					Orange black	
		83	SSHS-B918-SUB-8-10 @ 14:15		WELL GRADED GRAVEL WITH SILT AND SAND, orange to tan, dry to moist, medium dense, non plastic, fine to coarse gravel, with fine to coarse sand, and silt	2.1
10					No recovery	

Bottom of borehole at 10.0 feet.

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BORING B926

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/18 **COMPLETED** 1/18/18
NORTHING 753825.7004 ft **EASTING** 762668.1269 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100 (100)	SSHS-B926-SUB-0-2 @ 14:25		Asphalt WELL GRADED SAND WITH GRAVEL, brown, moist, loose, fine gravel	96.5
2		100 (79)	SSHS-B926-SUB-2-4 @ 14:30 (PCBs 2.371 mg/kg)		SILT WITH GRAVEL, dark brown, dry to moist, low plasticity, coarse gravel Moist No recovery	21.6
4					Bottom of borehole at 4.0 feet.	

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BORING B843

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753662.5445 ft **EASTING** 762585.1776 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100			WELL GRADED SAND WITH SILT, brown, dry to moist, medium dense, fine to coarse gravel, few brick	3.6
2					SANDY SILT WITH GRAVEL, brown, dry, soft	
		54	SSHS-B843-SUB-2-4 (PCBs 25.63 mg/kg)		SANDY LEAN CLAY WITH GRAVEL, dark brown, moist, fine gravel	
					No recovery	3.8
4					SANDY SILT WITH GRAVEL, dark brown, moist, stiff, non plastic, coarse gravel	
		75	SSHS-B843-SUB-4-6 (PCBs 208.1 mg/kg)		SILTY SAND WITH GRAVEL, dark brown, moist, medium dense, soil appears stained	1.6
					No recovery	
6					SILT WITH SAND, dark brown, moist, low plasticity, soil appears to be stained	
		100	SSHS-B843-SUB-6-8 (PCBs 27.22 mg/kg)		SILT, dark black, dry to moist, soft, non plastic, with black shiny material (ash)	1.8
8					Black shiny material is primary composition	
		100	SSHS-B843-SUB-8-10 (PCBs 11.68 mg/kg)			2.3
10						

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BORING B843

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B843-SUB-10-12 (PCBs 8.284 mg/kg)		Dark black, non plastic, primarly black shiny material (interpreted to be coal), size is sand to silt, hydrocarbon odor	5.1
					No recovery	
12					Bottom of borehole at 12.0 feet.	

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BORING B844

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753642.4068 ft **EASTING** 762595.6041 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B844-SUB-0-2 @ 14:20		WELL GRADED SAND WITH SILT AND GRAVEL, SAND, brown, dry to moist, medium dense, with silt, and fine gravel, few black shiny material (ash), and red brick	3.5
2					SANDY SILT, dark brown, dry to moist, soft	
		92	SSHS-B844-SUB-2-4 @ 14:25 (PCBs 29.25 mg/kg)		WELL GRADED GRAVEL WITH SAND, brown gray, loose, fine to medium gravel, with fine to medium sand, some brick	2.2
4					No recovery CLAYEY GRAVEL WITH SAND, dark brown gray, wet, dense, medium plasticity, coarse sand, with clay, and fine to coarse gravel, some crushed red brick	
		100	SSHS-B844-SUB-4-6 @ 14:30 (PCBs 14.74 mg/kg)		SILTY GRAVEL WITH SAND, brown, dry to moist, medium dense, fine to coarse gravel, with silt, and coarse sand	1.2
6						
		71	SSHS-B844-SUB-6-8 @ 14:35 (PCBs 18.04 mg/kg)		SANDY SILT, black, with black shiny material (ash), soil appears stained	1.2
					No recovery	
8					Bottom of borehole at 8.0 feet.	

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BORING B852

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753735.3036 ft **EASTING** 762659.3277 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED SAND WITH SILT AND GRAVEL, brown, moist, medium dense, non plastic, fine gravel	
		100	SSHS-B852-SUB-0-2 @ 12:05 (PCBs 5.898 mg/kg)		Light tan, crushed concrete (FILL)	0.3
					SANDY SILT WITH GRAVEL, dark brown, moist, with black shiny material (ash), and red brick	
2					SANDY SILT WITH GRAVEL, dark brown, dry to moist, soft, fine gravel, with black shiny material (ash), and red brick	
		100	SSHS-B852-SUB-2-4 @ 12:10			0.6
4					Low plasticity, coarse gravel, little black shiny material (ash)	
		100	SSHS-B852-SUB-4-6 @ 12:15 (PCBs 5.943 mg/kg)			0.7
6					No recovery SILTY GRAVEL WITH SAND, brown, dry to moist, medium dense, non plastic, fine to coarse gravel, with silt, and fine to coarse sand	
		75	SSHS-B852-SUB-6-8 @ 12:20 (PCBs 6.278 mg/kg)			0.8
					No recovery	
8					SILTY SAND WITH GRAVEL, brown, dry to moist, medium dense, and brick	
		88	SSHS-B852-SUB-8-10 @ 12:25 (PCBs 1.564 mg/kg)		SILT, dark brown, dry to moist, stiff, non plastic	3.5
					SILTY SAND WITH GRAVEL, brown, dry to moist, medium dense, and brick	
10					No recovery	

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BORING B852

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		63	SSHS-B852-SUB-10-12 @ 12:30 (PCBs 2.106 mg/kg)		SILTY SAND WITH GRAVEL, brown, dry to moist, medium dense, and brick	4.2
					No recovery	
12		63	SSHS-B852-SUB-12-14 @ 12:35		SILTY GRAVEL WITH SAND, brown, moist, medium dense, fine to coarse gravel, with silt, and fine to coarse sand	3.7
					No recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B879

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753730.1855 ft **EASTING** 762612.7235 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B879-SUB-0-2 @ 10:45		WELL GRADED SAND WITH SILT AND GRAVEL, brown, dry to moist, medium dense, non plastic, fine gravel	11.6
2					Some staining at 24"	
		100	SSHS-B879-SUB-2-4 @ 10:50 (PCBs 71.21 mg/kg)		SILTY SAND, dark brown, dry to moist, with black shiny material (ash), and yellow and red brick	2.1
4					WELL GRADED SAND WITH GRAVEL, brown gray, dry to moist, loose, fine gravel	
		100	SSHS-B879-SUB-4-6 @ 10:55		SANDY SILT WITH GRAVEL, dark brown, black shiny material (ash), and brick present, silt appears stained	4.1
6					No recovery	
		71	SSHS-B879-SUB-6-8 @ 11:00 (PCBs 8.452 mg/kg)		WELL GRADED SAND WITH GRAVEL, brown gray, dry to moist, loose, fine gravel Moist	3.4
					No recovery	
8					SILTY SAND WITH GRAVEL, dark brown, dry to moist, fine gravel, and yellow brick present	
		83	SSHS-B879-SUB-8-10 @ 11:05		SANDY SILT WITH GRAVEL, dark brown, and black shiny material (ash), soil appears stained	2.4
					No recovery	
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:38 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B879

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND, dark brown, moist, loose, fine to coarse gravel	
					SILT, gray, moist, very stiff, low plasticity	
		58	SSHS-B879-SUB-10-12 @ 11:10 (PCBs 1.945 mg/kg)			2.6
					No recovery	
12					SILTY GRAVEL WITH SAND, brown, moist, coarse gravel, with silt, and fine to coarse sand	
		75	SSHS-B879-SUB-12-14 @ 11:15 (PCBs 2.513 mg/kg)			1.1
					No recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B886

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753676.4618 ft **EASTING** 762649.2719 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B886-SUB-0-2 @ 9:20 (PCBs 103.4 mg/kg)		WELL GRADED SAND WITH SILT, brown, moist, medium dense	1.3
2					SANDY SILT WITH GRAVEL, dark brown, dry to moist, medium dense, non plastic, fine gravel, with black shiny material (ash), and brick	
		100	SSHS-B886-SUB-2-4 @ 9:25 (PCBs 568.1 mg/kg)		SANDY SILT WITH GRAVEL, dark brown to black, dry to moist, medium dense, fine to coarse gravel, and black shiny material (ash), with red and yellow brick	0.8
4						
		100	SSHS-B886-SUB-4-6 @ 9:30 (PCBs 85.21 mg/kg)			0.3
					WELL GRADED SAND WITH GRAVEL, brown, dry to moist, loose, coarse gravel	
6					SILTY SAND WITH GRAVEL, dark brown, dry to moist, loose, fine to medium sand, with silt, and coarse gravel	
		71	SSHS-B886-SUB-6-8 @ 9:35 (PCBs 40.81 mg/kg)			0.9
					No recovery	
8					SILTY GRAVEL WITH SAND, orange brown, dry to moist, loose, non plastic, coarse gravel	
		100	SSHS-B886-SUB-8-10 @ 9:40			0.4
					No recovery	
10						

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BORING B886

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		96	SSHS-B886-SUB-10-12 @ 9:45 (PCBs 11.82 mg/kg)		SILTY SAND, brown, dry to moist, loose, non plastic, fine to coarse sand, with red brick	
					SILTY GRAVEL WITH SAND, orange brown, dry to moist, loose, coarse gravel	0.9
12					No recovery	
		88	SSHS-B886-SUB-12-14 @ 9:50 (PCBs 5.812 mg/kg)		WELL GRADED GRAVEL WITH SILT AND SAND, dark brown, dry to moist, loose, non plastic, fine to coarse sand	
					SILTY GRAVEL WITH SAND, orange, moist, medium dense, low plasticity, coarse sand	0.7
14					No recovery	

Bottom of borehole at 14.0 feet.

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BORING B891

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753721.4584 ft **EASTING** 762620.2366 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		113	SSHS-B891-SUB-0-2 (PCBs 54.81 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, brown, moist to wet, medium dense, with black shiny material (ash)	1.7
2					SANDY SILT WITH GRAVEL, dark brown, non plastic, with black shiny material (ash), and red brick, soil appears stained	
		100	SSHS-B891-SUB-2-4 (PCBs 18.51 mg/kg)		SANDY SILT WITH GRAVEL, dark brown, dry to moist, non plastic, coarse gravel, with black shiny material (ash), and crushed red brick	2.5
4					Crushed concrete SANDY SILT WITH GRAVEL, SILT, dark brown to black, dry to moist, with sand, and fine to coarse gravel, and black shiny material (ash), and red and yellow brick	
		100	SSHS-B891-SUB-4-6 (PCBs 8.292 mg/kg)			1.8
6					SANDY SILT WITH GRAVEL, SILT, dark brown with orange, with fine sand, and coarse gravel, and black shiny material (ash), increasing amount of black shiny material	
		83	SSHS-B891-SUB-6-8 (PCBs 1.241 mg/kg)			1.8
					No recovery	
8					Yellow brick	
					SILTY SAND, dark brown, with black shiny material (ash), and red brick	
		71	SSHS-B891-SUB-8-10			1.5
					No recovery	
10						

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY GRAVEL WITH SAND, dark gray brown, moist to wet, loose, low plasticity, fine to coarse gravel, and fine to coarse sand, with silt, and yellow brick	
		54	SSHS-B891-SUB-10-12 (PCBs 0.3043 mg/kg)		No recovery	1.4
12					Brown, wet, loose	
		67	SSHS-B891-SUB-12-14		No recovery	1.8
14					Bottom of borehole at 14.0 feet.	

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BORING B893

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753712.5871 ft **EASTING** 762642.5594 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		108	SSHS-B893-SUB-0-2 @ 10:00 (PCBs 31.81 mg/kg)		Asphalt WELL GRADED SAND WITH SILT AND GRAVEL, brown, dry to moist, medium dense, fine gravel, with black shiny material (ash), and brick	1.3
2		100	SSHS-B893-SUB-2-4 @ 10:05 (PCBs 117.9 mg/kg)		SANDY SILT, dark brown, moist, medium dense, with black shiny material (ash), and red brick, soil appears stained SANDY SILT WITH GRAVEL, dark brown, dry to moist, stiff, with black shiny material (ash), and brick	0.7
4		100	SSHS-B893-SUB-4-6 @ 10:10 (PCBs 14.59 mg/kg)		Black, black shiny material (ash), crushed black material (interpeted to be coal) the size of sand sand silt	0.7
6		75	SSHS-B893-SUB-6-8 @ 10:15 (PCBs 0.0653 mg/kg)		SILTY GRAVEL WITH SAND, orange tan, dry to moist, medium dense, non plastic, coarse gravel	1.1
8		100	SSHS-B893-SUB-8-10 @ 10:20		SILT WITH SAND, dark brown to brown, dry to moist, non plastic, with black shiny material (ash)	0.6
10						

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BORING B893

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		83	SSHS-B893-SUB-10-12 @ 10:25 (PCBs 15.36 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, brown, dry to moist, non plastic	1.3
					No recovery	
12		88	SSHS-B893-SUB-12-14 @ 10:30 (PCBs 5.085 mg/kg)		SILT, black and brown, non plastic, few gravel	1.1
					SILTY GRAVEL WITH SAND, brown, dry to moist, dense, fine to coarse gravel, with silt, and fine to coarse sand No recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B911

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753629.4704 ft **EASTING** 762582.5103 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B911-SUB-0-2 @ 13:50		Asphalt WELL GRADED SAND WITH SILT AND GRAVEL, brown, dry to moist, loose, fine to coarse sand	2.6
2		100	SSHS-B911-SUB-2-4 @ 13:55 (PCBs 0.5336 mg/kg)		SANDY SILT WITH GRAVEL, gray to brown, moist, low plasticity, fine to coarse gravel WELL GRADED SAND WITH SILT AND GRAVEL, brown, dry to moist, medium dense, non plastic, fine to coarse gravel	1.3
4		100	SSHS-B911-SUB-4-6 @ 14:00		SANDY SILT WITH GRAVEL, dark gray brown, dry to moist, medium stiff, non plastic, coarse gravel	2.2
6		100	SSHS-B911-SUB-6-8 @ 14:05 (PCBs 2.731 mg/kg)		SILTY SAND, orange brown, non plastic, fine to coarse sand, with silt, and black shiny material (ash) SILT, dark gray brown, dry to moist, non plastic, with brick SILT, orange brown, non plastic, few black shiny material (ash), soil appears stained	1.5
8		100	SSHS-B911-SUB-8-10 @ 14:10 (PCBs <0.1005 mg/kg)		WELL GRADED SAND WITH GRAVEL, orange brown, dry to moist, loose SILT WITH GRAVEL, brown, dry to moist, stiff, non plastic, coarse gravel	1.4
10					WELL GRADED SAND WITH GRAVEL, orange black, dry to moist, medium dense	

Bottom of borehole at 10.0 feet.

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:39 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B924

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753661.3667 ft **EASTING** 762552.3299 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	SSHS-B924-SUB-0-2 @ 13:30		Asphalt	
					WELL GRADED SAND WITH SILT, brown, moist, medium dense	4.3
2					No recovery	
		100	SSHS-B924-SUB-2-4 @ 13:35 (PCBs 2.481 mg/kg)		SILTY SAND WITH GRAVEL, dark brown, moist, medium dense, low plasticity, coarse gravel	
					SILTY SAND WITH GRAVEL, dark gray with brown, fine to coarse gravel, and black shiny material (ash), some brick	5.3
4		54	SSHS-B924-SUB-4-6 @ 13:40		WELL GRADED SAND, dark brown to black, and black shiny material (ash), some crushed brick, wood, and soil appears stained	
					No recovery	5.2
6					Bottom of borehole at 6.0 feet.	

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BORING B933

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753697.8955 ft **EASTING** 762651.6112 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B937-SUB-0-2		WELL GRADED SAND WITH SILT AND GRAVEL, brown, dry to moist, medium dense, fine gravel	34.5
2					SILT WITH GRAVEL, dark brown, moist, non plastic, fine to coarse gravel, some black shiny material (ash)	
		100	SSHS-B937-SUB-2-4		SANDY SILT WITH GRAVEL, dark brown to black, dry to moist, stiff, non plastic, with black shiny material (ash), brick (yellow) present	6.2
4					Bottom of borehole at 4.0 feet.	

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BORING B937

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/18 **COMPLETED** 1/19/18
NORTHING 753773.5285 ft **EASTING** 762590.3843 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B937-SUB-0-2 @ 11:20		Medium dense, WELL GRADED SAND WITH SILT AND GRAVEL, fine gravel, dry to moist, brown	1.6
2.5		SSHS-B937-SUB-2-4 @ 11:25		Medium dense, SILT WITH GRAVEL, with black shiny material (ash), fine to coarse grained, moist, dark brown, non plastic Stiff, SANDY SILT WITH GRAVEL, with black shiny material (ash), dry to moist, dark brown to black, non plastic, and yellow brick	2.8
5.0		SSHS-B937-SUB-4-6 @ 11:30		No recovery	3.3
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B837

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753799.5357 ft **EASTING** 762583.4617 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B837-SUB-0-2 @ 12:40 (PCBs 18.72 mg/kg)		WELL GRADED SAND WITH GRAVEL, tan brown, moist, loose, fine gravel	2.9
2					WELL GRADED SAND WITH SILT AND GRAVEL, dark brown, moist, loose, fine gravel	
		100	SSHS-B837-SUB-2-4 @ 12:45 (PCBs 33.2 mg/kg)		WELL GRADED GRAVEL WITH SAND, tan gray, moist, loose, fine to coarse sand	3.3
4					SILT WITH GRAVEL, dark brown, dry to moist, stiff, coarse gravel	
		63	SSHS-B837-SUB-4-6 @ 12:50 (PCBs 2.982 mg/kg)		SILTY SAND, dark brown, moist, soil appears stained with some red brick and slight hydrocarbon odor	8.4
					No recovery Note: refusal at 6 ft	
6					Bottom of borehole at 6.0 feet.	

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BORING B840

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753657.9776 ft **EASTING** 762703.9536 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B840-SUB-0-2 @ 8:50 (PCBs 39.69 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, tan brown, moist, fine gravel, with black shiny material (ash), and brick	0.8
2					SANDY SILT, dark black, medium stiff, with black shiny material (ash)	
		100	SSHS-B840-SUB-2-4 @ 8:55 (PCBs 369.6 mg/kg)		SILTY GRAVEL, light gray, dry, loose, and crushed concete	0.8
					SILTY SAND, dark gray to black, dry to moist, medium dense, low plasticity, with black shiny material (ash), and crushed brick	
4					SILTY GRAVEL WITH SAND, dark brown gray, moist, dense, low plasticity, fine to coarse sand, with black shiny material (ash), and crushed red brick	
		96	SSHS-B840-SUB-4-6 @ 9:00 (PCBs 25.31 mg/kg)			0.3
					SILTY SAND WITH GRAVEL, orange with black, moist, low plasticity, fine gravel, with black shiny material (ash)	
6					No recovery	
					SILTY SAND WITH GRAVEL, orange with black, moist, low plasticity, fine gravel, with black shiny material (ash)	
		83	SSHS-B840-SUB-6-8 @ 9:05 (PCBs 1.33 mg/kg)		SANDY SILT, brown, moist, stiff, non plastic	0.4
8					No recovery	
					SANDY SILT WITH GRAVEL, orange, dry to moist, stiff, non plastic, coarse gravel	
		100	SSHS-B840-SUB-8-10 @ 9:10 (PCBs 0.5521 mg/kg)		SILTY SAND WITH GRAVEL, orange, dry to moist, dense, non plastic, fine to coarse gravel	0.3
10						

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BORING B840

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					Low plasticity, black shiny material (ash)	
		100	SSHS-B840-SUB-10-12 @ 9:15 (PCBs 4.163 mg/kg)		SILTY GRAVEL WITH SAND, brown orange, dry to moist, medium dense, low plasticity, coarse gravel, with red brick	0.8
12					SILTY SAND, brown, fine to coarse grained, wet, loose	
		100	SSHS-B840-SUB-12-14 @ 9:20 (PCBs 2.557 mg/kg)		WELL GRADED GRAVEL WITH SILT, orange brown, moist, medium dense, fine to coarse gravel	0.3
14					Bottom of borehole at 14.0 feet.	

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BORING B841

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753676.1108 ft **EASTING** 762742.2737 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B841-SUB-0-2 @ 8:10 (PCBs 29.34 mg/kg)		Asphalt WELL GRADED SAND WITH SILT, brown, dry to moist, medium dense, fine gravel, with brick	1.4
2		92	SSHS-B841-SUB-2-4 @ 8:15 (PCBs 72.51 mg/kg)		SILT WITH SAND, black, dry to moist, soft, non plastic, black shiny material (ash), black shiny material is primary soil component SANDY SILT, tan brown, soft, non plastic, with black shiny material (ash), and brick	1
4		92	SSHS-B841-SUB-4-6 @ 8:20 (PCBs 69.44 mg/kg)		No recovery SANDY SILT, dark tan and brown, soft Black, dry to moist, soft, with black shiny material (ash), and brick	1.3
6		100	SSHS-B841-SUB-6-8 @ 8:25 (PCBs 0.2144 mg/kg)		No recovery Orange yellow, moist, low plasticity, fine to coarse gravel	1.9
8		96	SSHS-B841-SUB-8-10 @ 8:30 (PCBs 2.178 mg/kg)		And black shiny material (ash) WELL GRADED GRAVEL WITH SILT AND SAND, orange, dry to moist, medium dense, non plastic, fine to coarse sand	1
10						

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BORING B841

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B841-SUB-10-12 @ 8:35 (PCBs 0.1029 mg/kg)		No recovery Some black shiny material (ash), and brick	1.3
					No recovery	
12		75	SSHS-B841-SUB-12-14 @ 8:40 (PCBs 1.761 mg/kg)		SILTY GRAVEL WITH SAND, orange brown, wet, loose, non plastic WELL GRADED GRAVEL WITH SILT AND SAND, orange, moist, medium dense, low plasticity	1.5
					No recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B847

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753770.7694 ft **EASTING** 762618.3238 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B847-SUB-0-2 @ 10:10 (PCBs 23.87 mg/kg)		Asphalt WELL GRADED SAND, brown, fine to coarse grained, moist, medium dense	1.2
2		83	SSHS-B847-SUB-2-4 @ 10:15 (PCBs 71.81 mg/kg)		SANDY SILT WITH GRAVEL, dark brown, black shiny material (ash), soil appears stained with black shiny material in matrix and red crushed brick SILTY GRAVEL WITH SAND, tan brown, dry to moist, loose, low plasticity, fine to coarse gravel, with silt, and fine to coarse sand	1.6
4		67	SSHS-B847-SUB-4-6 @ 10:20 (PCBs 97.05 mg/kg)		No recovery SILTY GRAVEL WITH SAND, tan brown, dry to moist, loose, low plasticity, fine to coarse gravel, with silt, and fine to coarse sand WELL GRADED GRAVEL WITH SILT AND SAND, dark brown, fine to coarse grained, moist, dense, with crushed red brick	0.7
6		50	SSHS-B847-SUB-6-8 @ 10:25 (PCBs 25.86 mg/kg)		No recovery SILTY SAND WITH GRAVEL, dark brown, moist, medium dense, fine gravel	0.8
8					Bottom of borehole at 8.0 feet.	

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BORING B848

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753663.9946 ft **EASTING** 762571.4571 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B848-SUB-0-2 @ 14:40		WELL GRADED SAND WITH GRAVEL, brown, moist, loose	0.4
2					SILTY GRAVEL WITH SAND, gray brown, medium dense, low plasticity, fine to coarse sand	
		100	SSHS-B848-SUB-2-4 @ 14:45 (PCBs 12.7 mg/kg)		SILTY SAND WITH GRAVEL, dark brown to black, low plasticity	0.6
4					SANDY SILT WITH GRAVEL, dark brown, dry to moist, stiff, fine gravel	
		100	SSHS-B848-SUB-4-6 @ 14:50		SILTY SAND WITH GRAVEL, tan brown, dry to moist, loose	0.4
					SILTY SAND WITH GRAVEL, dark brown to black, dense, soil appears stained	
6					SANDY SILT WITH GRAVEL, dark gray with brown, dry to moist, medium stiff, fine gravel	
		100	SSHS-B848-SUB-6-8 @ 14:55 (PCBs 3.329 mg/kg)		SANDY SILT WITH GRAVEL, gray black, medium to coarse sand, with silt, and coarse gravel, soil appears stained	0.8
8					SANDY SILT, dark brown, low plasticity, soil appears stained	
		75	SSHS-B848-SUB-8-10 @ 15:00 (PCBs 1.958 mg/kg)		SILTY SAND WITH GRAVEL, orange tan, moist, medium dense, medium plasticity, fine to coarse sand	0.6
					No recovery	
10						

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		71	SSHS-B848-SUB-10-12 @ 15:05		WELL GRADED GRAVEL WITH SAND, orange, moist, medium dense, fine to coarse gravel, with fine to coarse sand	0.3
					No recovery	
12					Bottom of borehole at 12.0 feet.	

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BORING B857

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753635.0807 ft **EASTING** 762648.2057 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B857-SUB-0-2 @ 14:15 (PCBs 0.1931 mg/kg)		Asphalt	
					WELL GRADED SAND WITH GRAVEL, yellow brown, dry to moist, fine to coarse gravel	1.1
2		92	SSHS-B857-SUB-2-4 @ 14:20 (PCBs 146.6 mg/kg)		SILTY SAND WITH GRAVEL, dark brown, moist, fine gravel, with black shiny material (ash), soil appears stained	
					SANDY SILT WITH GRAVEL, dark brown to black, dry to moist, soft, non plastic, fine to coarse gravel, with black shiny material (ash), crushed brick	3.2
4		69	SSHS-B857-SUB-4-6 @ 14:25 (PCBs 2.782 mg/kg)		SILTY GRAVEL WITH SAND, tan brown, dry to moist, medium dense, fine to coarse gravel	
					WELL GRADED GRAVEL WITH SILT AND SAND, dark gray to brown, moist, soil appears stained with wood	
					SILTY SAND, dark brown to orange, fine to coarse grained, with black shiny material (ash), soil appears locally stained	1.5
6					Black, dry, black shiny material (ash), material the size of well graded sand	

Bottom of borehole at 6.0 feet.

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BORING B874

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753824.3782 ft **EASTING** 762568.9112 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B874-SUB-0-2 @ 11:45		Asphalt WELL GRADED SAND WITH GRAVEL, gray brown, moist, medium dense	1.4
2		83	SSHS-B874-SUB-2-4 @ 11:50 (PCBs 171.2 mg/kg)		SILT WITH GRAVEL, dark brown, moist, low plasticity SANDY SILT WITH GRAVEL, dark brown, moist, fine to coarse gravel, some black shiny material (ash), brick is present, soil appears stained and has hydrocarbon odor No recovery	1.6
4		92	SSHS-B874-SUB-4-6 @ 11:55 (PCBs 99.76 mg/kg)		SANDY SILT WITH GRAVEL, dark brown, moist, fine to coarse gravel, some black shiny material (ash), brick is present, soil appears stained and has hydrocarbon odor Gray, dry, loose, crushed concrete (FILL) WELL GRADED SAND WITH SILT AND GRAVEL, dark brown, dry to moist, dense, non plastic, red brick, wood, and soil staining, slight hydrocarbon odor	2.5
6		50	SSHS-B874-SUB-6-8 @ 112:00		No recovery SANDY SILT, dark brown, dry to moist, loose, non plastic, red brick and concrete present Note: Liner stuck, soil was consistency could not be determined No recovery	7.5
8					Bottom of borehole at 8.0 feet.	

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BORING B875

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753805.1328 ft **EASTING** 762555.0464 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		71	SSHS-B875-SUB-0-2 @ 12:10		Asphalt	
					WELL GRADED SAND WITH SILT, brown, dry to moist, loose	0.1
					No recovery	
2		100	SSHS-B875-SUB-2-4 @ 12:15 (PCBs 84.73 mg/kg)		WELL GRADED SAND WITH SILT, brown, dry to moist, loose	
					SANDY SILT, dark brown, dry to moist, non plastic	
					SILTY GRAVEL, tan brown, fine to coarse grained, dry to moist, loose	0.8
					WELL GRADED SAND WITH SILT, dark brown, dry to moist, fine gravel, some black shiny material (ash), soil appears stained, has hydrocarbon odor and red brick present	
4		42			No recovery Note: Hit refusal at 5 ft, recorded a PID readig but did not collect a sample	1.2
6					Bottom of borehole at 6.0 feet.	

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BORING B878

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753749.7228 ft **EASTING** 762625.4957 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		83	SSHS-B878-SUB-0-2 @ 13:30		WELL GRADED SAND WITH SILT AND GRAVEL, brown tan, dry to moist, fine gravel, with red brick	0.8
2					WELL GRADED GRAVEL WITH SAND, dark brown, moist, fine to coarse sand	
		100	SSHS-B878-SUB-2-4 @ 13:35		SANDY SILT WITH GRAVEL, dark brown, dry to moist, non plastic, coarse gravel, crushed brick	1
					SILTY SAND WITH GRAVEL, dark brown, dry to moist, medium dense, coarse gravel, with red brick, soil appears stained	
4		67	SSHS-B878-SUB-4-6 @ 13:40		No recovery	1.8
6					WELL GRADED SAND WITH SILT, dark brown, moist, loose, fine gravel, with black shiny material (ash), red brick present	
		58	SSHS-B878-SUB-6-8 @ 13:45 (PCBs 0.4694 mg/kg)		No recovery	0.2
8					WELL GRADED GRAVEL WITH SAND, dark brown, dry to moist, fine to coarse sand, with black shiny material (ash)	
		63	SSHS-B878-SUB-8-10 @ 13:50 (PCBs 0.3644 mg/kg)		WELL GRADED SAND WITH GRAVEL, orange brown, dry to moist, fine gravel, and black shiny material (ash)	1.5
10					No recovery	

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BORING B878

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		88	SSHS-B878-SUB-10-12 @ 13:55 (PCBs 0.1635 mg/kg)		SILTY GRAVEL WITH SAND, dark brown, moist, non plastic, fine to coarse gravel, with silt, and fine to coarse sand	2.4
					SILT WITH GRAVEL, green gray, dry to moist, low plasticity	
12					No recovery	
					Bottom of borehole at 12.0 feet.	

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BORING B883

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753787.9773 ft **EASTING** 762646.3454 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B883-SUB-0-2 @ 10:45		WELL GRADED SAND, brown, fine to coarse grained, moist, loose	0.6
2					SILTY SAND, dark brown, moist, medium dense, low plasticity	
		100	SSHS-B883-SUB-2-4 @ 10:50		SANDY SILT WITH GRAVEL, gray brown, dry to moist, medium soft, fine gravel, some brick and black shiny material in matrix	3.4
4						
		71	SSHS-B883-SUB-4-6 @ 10:55		WELL GRADED SAND WITH GRAVEL, light tan, dry to moist, loose	0.9
					No recovery	
6					WELL GRADED SAND WITH GRAVEL, light tan, dry to moist, loose	
		83	SSHS-B883-SUB-6-8 @ 11:00 (PCBs 10.2 mg/kg)		WELL GRADED SAND WITH SILT, light gray tan, fine to coarse grained, dry to moist, loose	1.6
					SILTY SAND WITH GRAVEL, dark brown, moist, medium dense, low plasticity, fine gravel	
					No recovery	
8					SILTY SAND WITH GRAVEL, dark brown, moist, loose, low plasticity, fine gravel	
		100	SSHS-B883-SUB-8-10 @ 11:05 (PCBs 95.39 mg/kg)		SILTY SAND, black, moist, non plastic, fine sand, with silt, few gravel, soil appears stained with some black shiny material	1
10						

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BORING B883

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		58	SSHS-B883-SUB-10-12 @ 11:10 (PCBs 62.84 mg/kg)		SILTY SAND, dark brown, moist, loose, low plasticity SILTY SAND WITH GRAVEL, dark brown, moist, loose, low plasticity, fine gravel No recovery	1.6
12					Bottom of borehole at 12.0 feet.	

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BORING B906

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753754.4964 ft **EASTING** 762598.1828 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B906-SUB-0-2 @ 9:45		Asphalt WELL GRADED GRAVEL WITH SILT, brown tan, moist, medium dense, fine gravel, with brick and some asphalt	0.2
2		100	SSHS-B906-SUB-2-4 @ 9:50 (PCBs 102.1 mg/kg)		SILTY SAND WITH GRAVEL, dark brown, moist, non plastic, coarse gravel, red brick SILTY SAND WITH GRAVEL, dark brown, fine to coarse grained, dense, non plastic, appears locally stained with crushed bred brick	2.1
4		88	SSHS-B906-SUB-4-6 @ 9:55 (PCBs 34.11 mg/kg)		WELL GRADED GRAVEL WITH SILT AND SAND, brown, dry to moist, non plastic No recovery	2
6		29	SSHS-B906-SUB-6-8 @ 10:00 (PCBs 39.11 mg/kg)		WELL GRADED GRAVEL WITH SILT AND SAND, brown, moist, medium dense, and black shiny material (ash) No recovery Note: Hit refusal at 7 1/2 ft bgs	1.4
8					Bottom of borehole at 8.0 feet.	

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BORING B912

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753704.0339 ft **EASTING** 762595.837 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		83	SSHS-B912-SUB-0-2 @ 13:00		WELL GRADED SAND WITH GRAVEL, tan brown, moist, loose, fine gravel	1.2
					No recovery	
2					SILT WITH SAND, dark brown, dry to moist, medium dense, non plastic, yellow brick present	
		83	SSHS-B912-SUB-2-4 @ 13:05 (PCBs 43.76 mg/kg)		SILTY SAND WITH GRAVEL, black, moist, fine gravel, some black shiny material (ash), soil appears stained, has a hydrocarbon odor, roots, and wood present	6
					SILTY SAND WITH GRAVEL, dark brown, low plasticity, fine to coarse gravel	
					No recovery	
4					WELL GRADED GRAVEL WITH SAND, dark brown, wet, loose, fine to coarse sand, hydrocarbon odor	
		83	SSHS-B912-SUB-4-6 @ 13:10		SILTY GRAVEL, brown tan, fine to coarse grained, dry to moist, medium dense, non plastic	2.2
					No recovery	
6					SILTY SAND WITH GRAVEL, dark brown, wet, loose, fine to coarse sand, with silt, and fine to coarse gravel	
		100	SSHS-B912-SUB-6-8 @ 13:15			2.1
8					WELL GRADED SAND, black, moist to wet, dense, with black shiny material (ash), soil appears stained	
					Note: Hit refusal at 8 ft (concrete in shoe)	
					Bottom of borehole at 8.0 feet.	

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BORING B944

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/18 **COMPLETED** 1/20/18
NORTHING 753640.6942 ft **EASTING** 762669.367 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B944-SUB-0-2		WELL GRADED SAND WITH GRAVEL, brown, dry to moist, medium dense, fine to coarse sand, with fine gravel	1.1
2					SILTY SAND WITH GRAVEL, dark brown to black, moist, fine gravel, with red brick, soil appears stained	
		100	SSHS-B944-SUB-2-4		SANDY SILT WITH GRAVEL, brown, dry, fine gravel	
					SILT WITH GRAVEL, dark black, dry to moist, medium dense, fine gravel, and black shiny material (ash), with red brick	2.7
4					SILTY SAND WITH GRAVEL, black orange, dry to moist, medium dense, and black shiny material (ash)	
		67	SSHS-B944-SUB-4-6 (PCBs 49.61 mg/kg)			1.2
					No recovery	
6						

Bottom of borehole at 6.0 feet.

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BORING B842

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753686.5865 ft **EASTING** 762585.0956 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B842-SUB-0-2		WELL GRADED SAND WITH GRAVEL, brown, moist, loose	2.9
					SILTY SAND WITH GRAVEL, dark brown, moist	
2		75	SSHS-B842-SUB-2-4 (PCBs 66.65 mg/kg)		SILTY SAND WITH GRAVEL, dark brown to black, moist, fine gravel, with black shiny material (ash), brick present	3.1
					No recovery	
4		104	SSHS-B842-SUB-4-6 (PCBs 8.102 mg/kg)		SILTY SAND WITH GRAVEL, dark brown to black, moist, fine gravel, with black shiny material (ash), brick present	
					SILT WITH GRAVEL, dark brown to brown, dry to moist, stiff, non plastic, fine gravel	8.9
6		71	SSHS-B842-SUB-6-8 (PCBs 33.51 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, light brown to brown, dry to moist, fine gravel, crushed brick present	
					SILTY SAND WITH GRAVEL, black, fine sand, with silt, and coarse gravel, soil appears stained and contains brick	3.8
					No recovery	
8		96	SSHS-B842-SUB-8-10 (PCBs 5.942 mg/kg)		SILTY SAND WITH GRAVEL, dark brown, moist, fine sand, with silt, and coarse gravel, soil appears stained	
					WELL GRADED GRAVEL WITH SAND, dark brown, moist, loose	
					SILT WITH GRAVEL, dark brown, moist, stiff, non plastic	2.7
10						

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BORING B842

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					Non plastic SANDY SILT, dark brown, dry to moist	
		71	SSHS-B842-SUB-10-12 (PCBs 9.529 mg/kg)		SILTY SAND WITH GRAVEL, brown, dry to moist, medium dense, fine to medium sand, with silt, and coarse gravel	3.5
					No recovery	
12					SANDY SILT, dark brown, dry to moist, non plastic	
					POORLY GRADED GRAVEL WITH SAND, orange brown, dry to moist, loose, fine gravel	
					SANDY SILT, dark brown, dry to moist, non plastic	
		75	SSHS-B842-SUB-12-14		WELL GRADED GRAVEL WITH SILT, orange brown, dry to moist, medium dense, fine to coarse gravel, with silt, and fine to coarse sand	5.2
					No recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B849

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753659.6672 ft **EASTING** 762613.0155 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED SAND, brown, fine to coarse grained, wet, loose	
		75	SSHS-B849-SUB-0-2 @ 9:00		POORLY GRADED SAND WITH GRAVEL, brown, moist, fine sand, with coarse gravel	1.3
					No recovery	
2					SILTY SAND WITH GRAVEL, dark brown, loose, fine to coarse sand, with silt, and coarse gravel, with yellow brick	
		63	SSHS-B849-SUB-2-4 @ 9:05			2.7
					No recovery Note: Two (2) attempst were made to collect sufficient sample for tests	
4					SILT, dark brown, dry to moist, stiff, non plastic, with red brick	
		83	SSHS-B849-SUB-4-6 @ 9:10		SANDY SILT WITH GRAVEL, black, dry to moist, medium dense, non plastic, with red brick and blak shiny material	2.9
					No recovery	
6					SILTY GRAVEL WITH SAND, dark brown, fine to coarse grained, wet, loose	
		92	SSHS-B849-SUB-6-8 @ 9:15 (PCBs 7.356 mg/kg)		CLAYEY SAND, dark brown, moist, medium dense, medium plasticity	3.4
					WELL GRADED SAND WITH SILT AND GRAVEL, dark brown, moist, dense, fine gravel Red Brick	
8					Bottom of borehole at 8.0 feet.	

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BORING B881

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753621.2552 ft **EASTING** 762647.6512 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	SSHS-B881-SUB-0-2 (PCBs 38.38 mg/kg)		SILT, dark brown, moist, low plasticity, roots present	
					SILT, dark brown, moist, stiff, low plasticity, roots present	2.8
					SILTY GRAVEL WITH SAND, dark brown, moist, medium dense, fine to coarse gravel, with silt, and fine to coarse sand	
2		75	SSHS-B881-SUB-2-4 (PCBs 316.4 mg/kg)		No recovery SILTY SAND WITH GRAVEL, dark brown to black, dry to moist, dense, non plastic, fine to coarse gravel, some brick and black shiny material present	3.2
					No recovery	
4		100	SSHS-B881-SUB-4-6		SILTY SAND WITH GRAVEL, dark brown to black, dry to moist, dense, non plastic, fine to coarse gravel, some brick and black shiny material present	
					SILTY SAND WITH GRAVEL, light tan, dry, loose, non plastic	
					SILTY SAND WITH GRAVEL, orange brown, dry to moist, and black shiny material (ash)	2.1
					Dry, loose, black shiny material (ash)	
6		50	SSHS-B881-SUB-6-8 (PCBs 2.684 mg/kg)		SILTY SAND, tan, dry to moist, loose	
					Black shiny material (ash), (FILL)	
					SILTY SAND, gray orange, moist, medium dense	
					No recovery	4.1
8		79	SSHS-B881-SUB-8-10 (PCBs 6.451 mg/kg)		WELL GRADED SAND WITH SILT, dark brown with black, dry to moist, loose, with black shiny material (ash)	
					WELL GRADED SAND WITH SILT AND GRAVEL, orange brown, loose, non plastic, fine sand	4.2
					No recovery	
10						

Bottom of borehole at 10.0 feet.

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BORING B888

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753659.536 ft **EASTING** 762733.1071 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, dark brown, moist, with grass and roots	
					WELL GRADED GRAVEL WITH SAND, dark brown, moist	
		104	SSHS-B888-SUB-0-2 @ 13:50 (PCBs 14.83 mg/kg)		WELL GRADED SAND WITH GRAVEL, tan, moist	2.1
2					WELL GRADED SAND WITH GRAVEL, dark brown, moist, some fine to coarse gravel, and black shiny material (ash), red brick present	
		88	SSHS-B888-SUB-2-4 @ 13:55 (PCBs 50.04 mg/kg)		SILTY SAND WITH GRAVEL, SAND, dark brown, moist, medium dense, with silt, and fine to coarse gravel, Note: 2 borings collected at the 2-4' ft bgs interval (for additional sample material)	1.1
					WELL GRADED SAND WITH GRAVEL, gray brown, dry to moist	
					No recovery	
4		83	SSHS-B888-SUB-4-6 @ 14:00		Black, dry to moist, medium dense, black shiny material (ash), (FILL)	0.7
					No recovery	
6		75	SSHS-B888-SUB-6-8 @ 14:05		Same as above	0.6
					SANDY SILT, SILT, orange, dry to moist, soft, non plastic, and sand, with fine gravel	
					No recovery	
8		100	SSHS-B888-SUB-8-10 @ 14:10 (PCBs 3.033 mg/kg)		Black shiny material (ash), Same as Above	0.6
					WELL GRADED GRAVEL WITH SAND, orange, dry to moist, fine to medium sand	
10						

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BORING B888

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					Black shiny material (ash), Same as above, black shiny material present at 128-130"	
		79	SSHS-B888-SUB-10-12 @ 14:15 (PCBs 15.91 mg/kg)			0.7
					CLAYEY GRAVEL WITH SAND, orange, wet, medium dense, fine to coarse gravel, with clay, and fine to coarse sand	
12					No recovery	
		100	SSHS-B888-SUB-12-14 @ 14:20 (PCBs 3.184 mg/kg)			
14					Bottom of borehole at 14.0 feet.	

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BORING B890

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753739.526 ft **EASTING** 762582.7366 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		67	SSHS-B890-SUB-0-2 @ 8:40		WELL GRADED SAND WITH GRAVEL, brown, moist, loose, fine to coarse sand, with fine gravel	1.6
					No recovery	
2		88	SSHS-B890-SUB-2-4 @ 8:45		SILTY GRAVEL WITH SAND, dark brown, moist, medium dense, non plastic, medium to coarse gravel, with silt, and fine to coarse sand, Roots and wood present	24.1
					No recovery	
4		100	SSHS-B890-SUB-4-6 @ 8:50		SILTY GRAVEL WITH SAND, dark brown, moist, medium dense, non plastic, medium to coarse gravel, with silt, and fine to coarse sand, Roots and wood present	
					WELL GRADED SAND WITH SILT AND GRAVEL, brown, moist, medium dense, non plastic, fine to coarse gravel	3.3
					SILTY SAND WITH GRAVEL, dark brown, fine to coarse grained, moist, medium dense, non plastic, slight hydrocarbon odor	
6		83	SSHS-B890-SUB-6-8 @ 8:55		SILTY SAND WITH GRAVEL, dark brown, fine to coarse grained, moist, medium dense, non plastic, slight hydrocarbon odor	
					SILT WITH SAND, dark brown, moist, stiff, non plastic	8.7
					WELL GRADED GRAVEL WITH SILT AND SAND, dark brown, moist, fine to coarse gravel, with silt, and fine to coarse sand	
8					No recovery Note: Hit refusal at 8 ft	

Bottom of borehole at 8.0 feet.

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BORING B913

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753695.9926 ft **EASTING** 762560.8174 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		100	SSHS-B913-SUB-0-2 @ 9:45		WELL GRADED SAND WITH GRAVEL, brown, moist, fine to coarse gravel	3
2					POORLY GRADED SAND WITH GRAVEL, dark brown, moist, medium dense, fine sand, with fine to coarse gravel SILTY GRAVEL WITH SAND, tan brown, dry to moist, loose, brick present @ 2.6 to 3.25 material becomes dark gray	
		63	SSHS-B913-SUB-2-4 @ 9:50 (PCBs 23.32 mg/kg)			3.5
					No recovery	
4					SILTY GRAVEL, brown, dry to moist, medium dense, non plastic, fine gravel, with silt, and fine to coarse sand	
		100	SSHS-B913-SUB-4-6 @ 9:55			5.2
					SILTY GRAVEL, dark brown, dry to moist	
6					SANDY SILT WITH GRAVEL, black, dry to moist, stiff, brick present, soil appears stained	
					Crushed concrete	
		71	SSHS-B913-SUB-6-8 @ 10:00 (PCBs 5.856 mg/kg)		SANDY SILT WITH GRAVEL, black, dry to moist, stiff, black shiny material and wood present	2.2
					No recovery	
8					SILTY SAND, dark gray and brown, dry to moist, loose, fine to medium sand	
		50	SSHS-B913-SUB-8-10 @ 10:05		No recovery	3.7
10						

Bottom of borehole at 10.0 feet.

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BORING B914

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753852.1209 ft **EASTING** 762627.8087 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, stiff, non plastic, roots present (TOPSOIL)	
		75	SSHS-B914-SUB-0-2 @ 8:15		SILTY SAND WITH GRAVEL, gray brown, dry to moist, loose, fine to coarse gravel	1.1
					No recovery	
2					SILTY SAND WITH GRAVEL, gray brown, dry to moist, loose, fine to coarse gravel, with black shiny material (ash), some crushed brick through out	
		92	SSHS-B914-SUB-2-4 @ 8:20 (PCBs 2.38 mg/kg)			3.2
4					No recovery SILTY SAND WITH GRAVEL, dark brown, moist, medium dense, fine to coarse sand, with silt, and fine to coarse gravel, some brick and black and shiny material	
		69	SSHS-B914-SUB-4-6 @ 8:25 (PCBs 1.521 mg/kg)			1.5
					No recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B940

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753614.3031 ft **EASTING** 762632.52 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, dark brown, moist, non plastic, grass roots present	
		83	SSHS-B940-SUB-0-2 @ 10:55		SILTY SAND WITH GRAVEL, dark brown, moist, medium dense, non plastic, fine to coarse gravel	2.4
					No recovery	
2					SILTY SAND WITH GRAVEL, dark brown, moist, medium dense, non plastic, fine to coarse gravel, gravel increases with depth	
		63	SSHS-B940-SUB-2-4 @ 11:00 (PCBs 262.3 mg/kg)			4.3
					No recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B945

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753639.4999 ft **EASTING** 762687.9891 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, dark brown, non plastic, grass roots present	
					WELL GRADED SAND, brown, moist, loose	
		83	SSHS-B945-SUB-0-2 @ 12:45 (PCBs 179.2 mg/kg)		SILTY SAND WITH GRAVEL, dark brown, moist, low plasticity, fine gravel, with black shiny material (ash), brick present	2.8
					No recovery	
2					SILTY SAND WITH GRAVEL, dark brown, moist, low plasticity, fine gravel, with black shiny material (ash), brick present	
					SILTY SAND WITH GRAVEL, dark brown, moist, dense, with black shiny material (ash)	
		67	SSHS-B945-SUB-2-4 @ 12:50 (PCBs 380.3 mg/kg)		SILTY SAND WITH GRAVEL, brown, dense, non plastic, fine to coarse gravel	4.8
					No recovery	
4					SILTY SAND WITH GRAVEL, brown, dense, non plastic, fine to coarse gravel	
					SILT WITH GRAVEL, light orange tan, moist, very stiff, low plasticity	
		100	SSHS-B945-SUB-4-6 @ 12:55 (PCBs 1.202 mg/kg)			4.1
6					LEAN CLAY WITH SAND, light orange tan, moist, medium plasticity	
		100			SILT WITH GRAVEL, light orange tan, moist, very stiff, low plasticity	
8					Bottom of borehole at 8.0 feet.	

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BORING B946

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753628.542 ft **EASTING** 762662.5232 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B946-SUB-0-2 @ 11:35 (PCBs 6.845 mg/kg)		SILT, dark brown to brown, dry to moist, non plastic, roots in upper 5"	3.4
					SILTY GRAVEL WITH SAND, dark brown, moist, medium dense, low plasticity, fine to coarse gravel, with silt, and fine to coarse sand	
2		67	SSHS-B946-SUB-2-4 @ 11:35 (PCBs 186.4 mg/kg)		SILTY SAND WITH GRAVEL, dark brown, moist, dense, low plasticity, coarse gravel, some black shiny material (ash), yellow brick present	3.8
					No recovery	
4		83	SSHS-B946-SUB-4-6 @ 11:35 (PCBs 41.22 mg/kg)		SILTY SAND WITH GRAVEL, dark brown, moist, dense, low plasticity, coarse gravel, some black shiny material (ash), yellow brick present Dense, non plastic, black shiny material (ash), black coal mirrors the size of SM-SW	2.8
					SILTY SAND WITH GRAVEL, orange, dry to moist, medium dense, coarse gravel No recovery	
6		100	SSHS-B946-SUB-6-8 @ 11:35 (PCBs 0.266 mg/kg)		SILTY SAND WITH GRAVEL, orange, dry to moist, medium dense, coarse gravel Black shiny material (ash)	3
					LEAN CLAY, light tan brown, moist, medium plasticity	
8					Bottom of borehole at 8.0 feet.	

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BORING B947

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/18 **COMPLETED** 1/22/18
NORTHING 753765.8219 ft **EASTING** 762725.5579 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B947-SUB-0-2 @ 14:30		Crushed asphalt WELL GRADED SAND WITH GRAVEL, SAND, tan brown, dry to moist, medium dense, with fine gravel	0.6
2		71	SSHS-B947-SUB-2-4 @ 14:35		WELL GRADED SAND WITH GRAVEL, black, moist, Gravel is composed of large lback shinging clasts and crushed red brick Yellow and Red brick present No recovery	3.1
4		67	SSHS-B947-SUB-4-6 @ 14:40		Loose, Same as above but contains concrete clasts Red, dry to moist, very loose, brick No recovery	2
6		79	SSHS-B947-SUB-6-8 @ 14:45 (PCBs 0.114 mg/kg)		Moist, Brick and crushed concrete WELL GRADED GRAVEL WITH SAND, dark gray to black, moist, medium dense, black shiny material (ash), hydrocarbon odor No recovery	45.5
8					Bottom of borehole at 8.0 feet.	

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BORING B948

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/18 **COMPLETED** 1/23/18
NORTHING 753763.3153 ft **EASTING** 762638.1598 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Broken asphalt	
					WELL GRADED SAND, dark brown to tan, dry to moist, medium dense, non plastic	
					SANDY SILT WITH GRAVEL, dark brown, moist, soft, non plastic, fine to coarse gravel	1.4
					SANDY SILT, light tan, moist, soft	
2					SILTY SAND WITH GRAVEL, SAND, dark brown to black, dry to moist, with silt, and fine to coarse gravel, and black shiny material (ash), red brick	
		73				
					WELL GRADED SAND WITH GRAVEL, SAND, brown, dry, medium dense, with fine gravel, red brick	1.7
4						
					WELL GRADED GRAVEL WITH SILT, dark brown, wet	
					WELL GRADED SAND WITH GRAVEL, SAND, brown, dry to moist, dense, with fine to coarse gravel	
6						4.4
		43				
8						1.8
10						

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BORING B948

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B948-SUB-10-12 (PCBs 0.1052 mg/kg)		SILT, dark brown to tan, coarse grained, dry to moist, stiff, low plasticity	4.5
12					SILTY GRAVEL WITH SAND, brown, dry to moist, dense Bottom of borehole at 12.0 feet.	

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BORING B955

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 2/27/18 **COMPLETED** 2/27/18
NORTHING 762616.1934 ft **EASTING** 753859.3713 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		100			WELL GRADED GRAVEL WITH SAND, brown to blackish brown, subangular, moist, loose to medium dense, some fine to medium sand, trace powdered red brick	7.2
2					WELL GRADED GRAVEL WITH SAND, brown to blackish brown, subangular, moist, with fine to medium sand, trace powdered red brick	
		88	SSHS-B955-SUB-2-4 (PCBs 17.46 mg/kg)			11.7
					No Recovery	
4					WELL GRADED GRAVEL WITH SAND, brown to blackish brown, subangular, moist, with fine to medium sand, trace silt, trace black shiny material (ash), trace powdered red brick	
		63	SSHS-B955-SUB-4-6 (PCBs 0.5552 mg/kg)			11.1
					No Recovery	
6					WELL GRADED GRAVEL WITH SAND, brown to blackish brown, subangular, moist, with fine to medium sand, trace powdered red brick	
		54	SSHS-B955-SUB-6-8 (PCBs 2.561 mg/kg)			38.6
					No Recovery	
8					WELL GRADED GRAVEL WITH SILT AND SAND, brown to blackish brown, subangular, moist, few silt, powdered red brick pieces	
		58	SSHS-B955-SUB-8-10 (PCBs 1.931 mg/kg)			13.2
					No Recovery	
10						

Bottom of borehole at 10.0 feet.

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BORING B956

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 2/27/18 **COMPLETED** 2/27/18
NORTHING 762568.3962 ft **EASTING** 753808.8277 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		100			WELL GRADED GRAVEL WITH SAND, brown to dark brown, moist, some fine to medium sand	10.5
2					WELL GRADED GRAVEL WITH SAND, brown to brownish olive, moist, very loose	
		92			Brownish olive to brown Black to brownish black	73.6
4					No Recovery WELL GRADED GRAVEL WITH SAND, brown to dark brown, moist, some fine to medium sand, few black shiny material	
		121			Moist, powdered yellow Brick WELL GRADED SAND WITH GRAVEL, dark brown to black, fine to coarse grained, moist to wet, medium dense, some gravel, trace silt	46.7
6					WELL GRADED GRAVEL WITH SAND, brown, coarse grained, saturated, loose, some fine sand	
		150	Overdrilled, bottom 5" discarded. SSHS-B956-SUB-6-8 (PCBs 21.04 mg/kg)		Moist, black shiny material	63.1
8					SILTY SAND, brown to blackish brown, fine to coarse grained, moist, medium dense, few silt, trace gravel, hydrocarbon odor, gravel is rounded WELL GRADED GRAVEL WITH SILT AND SAND, dark brown, wet, loose, trace silt, with fine sand	
		125	Overdrilled, bottom 12" discarded SSHS-B956-SUB-8-10 (PCBs 4.429 mg/kg)			78.7
10					Dry, construction debris	

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Refusal at 10.0 feet.
Bottom of borehole at 10.0 feet.

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BORING B956

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
			Repeated refusal (X3) at 10'. Boring terminated at 10'. Overdrilled, bottom 6" discarded.			

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BORING B951

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 2/28/18 **COMPLETED** 2/28/18
NORTHING 762693.6762 ft **EASTING** 753870.1075 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		100			WELL GRADED GRAVEL WITH SAND, black to gray, angular, fine to medium grained, dry, little medium sand	
					WELL GRADED GRAVEL WITH SAND, light brown, fine to coarse grained, moist, loose, some fine to medium sand	10.9
2		100	SSHS-B951-SUB-2-4 (PCBs <0.0955 mg/kg)		WELL GRADED GRAVEL WITH CLAY AND SAND, dark brown, fine to coarse grained, moist, loose, non plastic, with fine sand, trace clay, trace black shiny material (ash)	15
					WELL GRADED SAND WITH GRAVEL, brown, fine to medium grained, moist, loose, trace fine gravel, gravel is rounded	
4					Some fine gravel, gravel is rounded	
		67	SSHS-B951-SUB-4-6			10
					No Recovery	
6						

Bottom of borehole at 6.0 feet.

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BORING B957

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 2/28/18 **COMPLETED** 2/28/18
NORTHING 762624.6235 ft **EASTING** 753831.0629 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92			ASPHALT WELL GRADED GRAVEL WITH SAND, brown to grayish brown, subangular, moist, some fine to medium sand, trace rock fragments	128
2		100			No Recovery WELL GRADED GRAVEL WITH SAND, dark brown, angular, coarse grained, moist, very loose, some fine to medium sand Dry, broken powdered Concrete WELL GRADED GRAVEL WITH SAND, brown to dark brown, moist, loose to medium dense, some fine to medium sand, trace rock fragments, some crushed red Brick	129
4		100			WELL GRADED GRAVEL WITH SAND, brown to dark brown, moist, loose to medium dense, some fine to medium sand, trace rock fragments, some crushed red Brick	165
6		100	SSHS-B957-SUB-6-8 (PCBs 1.295 mg/kg)		WELL GRADED GRAVEL WITH SAND, brown to dark brown, moist, loose to medium dense, some fine to medium sand, trace rock fragments, some crushed red Brick	72.3
8		75	SSHS-B957-SUB-8-10 (PCBs 10.02 mg/kg)		WELL GRADED GRAVEL WITH SAND, brown to dark brown, moist, loose to medium dense, some fine to medium sand, trace rock fragments, some crushed red Brick WELL GRADED GRAVEL WITH SAND, brown to dark brown, coarse grained, dry to moist, loose to medium dense, some fine to medium sand, trace rock fragments, some crushed red Brick POORLY GRADED GRAVEL WITH SAND, brown, coarse grained, moist, loose to medium dense, some fine sand, trace rock fragments, some crushed red Brick No Recovery	13.7
10						

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BORING B957

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		79	SSHS-B957-SUB-10-12		WELL GRADED GRAVEL WITH SAND, brown, subangular, fine to coarse grained, moist, loose to medium dense, with fine to medium sand, trace rock fragments, trace silt	61.9
					No Recovery	
12		71	SSHS-B957-SUB-12-14 (PCBs 8.015 mg/kg)		WELL GRADED GRAVEL WITH SAND, brown, subangular, fine to coarse grained, moist, loose to medium dense, with fine to medium sand, trace rock fragments, trace silt	5.7
					Crushed powdered red Brick	
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B959

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 2/28/18 **COMPLETED** 2/28/18
NORTHING 762688.7536 ft **EASTING** 753753.4249 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		100	SSHS-B959-SUB-0-2 (PCBs 13.5 mg/kg)		WELL GRADED GRAVEL WITH SAND, light brown to black, subangular, fine to coarse grained, moist, loose to medium dense, with fine to medium sand	10
2		75	SSHS-B959-SUB-2-4 (PCBs 37.16 mg/kg)		WELL GRADED SAND WITH GRAVEL, dark brown to black, fine to medium grained, moist, loose, with fine gravel, few rock fragments, trace silt, few red brick pieces	5.8
					No Recovery	
4		63	SSHS-B959-SUB-4-6 (PCBs 5.064 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, reddish brown to blackish brown, fine to medium grained, moist, loose to medium dense, with fine gravel, few rock fragments, few silt, few red brick pieces	30.6
					No Recovery	
6		92	SSHS-B959-SUB-6-8 (PCBs 0.152 mg/kg)		WELL GRADED SAND WITH GRAVEL, dark brown to black, fine to medium grained, moist, loose, with fine gravel, few rock fragments, trace silt, few red brick pieces	
					SILTY SAND WITH GRAVEL, brown, moist, loose, with silt, some gravel	41.5
8					No Recovery	
		83	SSHS-B959-SUB-8-10 (PCBs 1.556 mg/kg)		WELL GRADED GRAVEL WITH SAND, dark brown to blackish brown, moist, loose to very dense, some sand, few silt, trace black shiny material (ash)	
					FAT CLAY, brown, moist, soft to medium stiff, high plasticity	
					WELL GRADED SAND WITH SILT AND GRAVEL, brown to blackish brown, moist, loose to medium dense, few silt, some fine to coarse gravel, few rock fragments	17
					No Recovery	
10						

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BORING B959

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B959-SUB-10-12		WELL GRADED SAND WITH SILT AND GRAVEL, brown to blackish brown, moist, loose to medium dense, few silt, some fine to coarse gravel, few rock fragments	4
					No Recovery	
12					Bottom of borehole at 12.0 feet.	

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BORING B960

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 2/28/18 **COMPLETED** 2/28/18
NORTHING 762695.5545 ft **EASTING** 753723.0546 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		71			ASPHALT	
					WELL GRADED SAND WITH GRAVEL, brown to blackish brown, fine to medium grained, moist, some coarse gravel, few rock fragments, trace silt	109
					No Recovery	
2		71	SSHS-B960-SUB-2-4 (PCBs 22.53 mg/kg)		WELL GRADED GRAVEL WITH SAND, brown, moist, loose, some fine sand	
					Black shiny material (ash), some rock fragments	75
					No Recovery	
4		92	SSHS-B960-SUB-4-6		WELL GRADED SAND WITH GRAVEL, dark brown to black, fine to medium grained, moist, loose to medium dense, few fine gravel	
					Black shiny material (ash)	73.5
					LEAN CLAY, yellow, moist, stiff, medium plasticity, trace silt, trace fine gravel	
6		92			No Recovery Dark brown to black, rounded, fine grained, moist, some fine to medium sand, trace rock fragments, trace black shiny material (ash)	
					Black	136
					LEAN CLAY, reddish brown to yellowish brown, moist, soft, medium plasticity, trace silt	
8		79	SSHS-B960-SUB-8-10 (PCBs 5.014 mg/kg)		No Recovery WELL GRADED GRAVEL WITH SAND, black, fine to coarse grained, moist, loose, few fine sand LEAN CLAY, medium stiff, medium plasticity WELL GRADED GRAVEL WITH SAND, black, subangular, moist, loose to medium dense, trace black shiny material (ash), some medium to coarse sand, trace rock fragments	1309
					LEAN CLAY, yellowish brown, moist, soft, medium plasticity	
					No Recovery	
10					Bottom of borehole at 10.0 feet.	

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BORING B981

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 2/28/18 **COMPLETED** 2/28/18
NORTHING 762632.9857 ft **EASTING** 753776.4567 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		100			WELL GRADED GRAVEL WITH SAND, brown to blackish brown, angular, moist, loose to medium dense, some fine to medium sand, trace rock fragments	841
2		75	SSHS-B981-SUB-2-4 (PCBs 59.72 mg/kg)		WELL GRADED GRAVEL WITH SAND, dark brown to blackish brown, angular, fine to coarse grained, moist, loose to medium dense, trace rock fragments, trace silt	449
					No Recovery	
4		67	SSHS-B981-SUB-4-6 (PCBs 6.46 mg/kg)		WELL GRADED SAND WITH GRAVEL, brown to blackish brown, fine to medium grained, moist, loose to medium dense, few fine to coarse gravel, few rock fragments	260
					Crushed powdered red Brick	
					WELL GRADED SAND WITH GRAVEL, brown, wet, medium dense to dense, few silt, few fine gravel, gravel is rounded	
					No Recovery	
6		54	SSHS-B981-SUB-6-8		WELL GRADED GRAVEL WITH SAND, brown, rounded, coarse grained, moist, very loose, with medium to coarse sand, trace black shiny material (ash), few crushed Brick pieces	169
					No Recovery	
8		50	SSHS-B981-SUB-8-10 (PCBs 1.462 mg/kg)		WELL GRADED GRAVEL WITH SAND, dark brown to blackish brown, rounded, fine to coarse grained, moist, loose to medium dense, with fine to medium sand, trace silt, trace crushed red Brick	174
					Black shiny material (ash)	
					No Recovery	
10						

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BORING B981

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					WELL GRADED GRAVEL WITH SAND, fine to coarse grained, moist, loose to very dense, trace rock fragments, some medium to coarse sand, trace crushed red Brick	
		79	SSHS-B981-SUB-10-12 (PCBs 0.7215 mg/kg)		FAT CLAY, blackish gray, moist, soft to medium soft	449
					No Recovery	
12					WELL GRADED SAND WITH GRAVEL, fine to medium grained, moist, loose to medium dense, with fine to coarse gravel, trace rock fragments Brownish olive to brown	
		92	SSHS-B981-SUB-12-14 (PCBs 0.354 mg/kg)		Brown, moist to wet	124
					Rock fragments	
					WELL GRADED SAND WITH GRAVEL, fine to medium grained, moist, loose to medium dense, with fine to coarse gravel, trace rock fragments	
14					No Recovery	

Bottom of borehole at 14.0 feet.

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BORING B982

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 2/28/18 **COMPLETED** 2/28/18
NORTHING 762647.0175 ft **EASTING** 753747.2071 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100			ASPHALT WELL GRADED GRAVEL WITH SAND, brown to blackish brown, fine to coarse grained, moist to wet, medium dense to dense, some fine to medium sand, trace silt, trace black shiny material (ash)	62.3
2		92	SSHS-B982-SUB-2-4 (PCBs 6.451 mg/kg)		Moist, black shiny material (ash) WELL GRADED GRAVEL, gray to brown, rounded, moist, loose, few sand WELL GRADED GRAVEL WITH SILT AND SAND, brownish black to black, moist to wet, medium dense to dense, some fine to medium sand, few silt	20.1
4		92	SSHS-B982-SUB-4-6 (PCBs 1.556 mg/kg)		No Recovery WELL GRADED GRAVEL WITH SAND, blackish brown to dark brownish olive, subangular, moist, loose to dense, some fine to medium sand, trace black shiny material (ash)	22.4
6					No Recovery Bottom of borehole at 6.0 feet.	

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BORING B983

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 2/28/18 **COMPLETED** 2/28/18
NORTHING 762665.4784 ft **EASTING** 753725.1996 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					WELL GRADED GRAVEL WITH SAND, brown, fine grained, moist, loose, with sand, sand is uniform	73.7
		71			WELL GRADED SAND WITH SILT AND GRAVEL, brown to blackish brown, moist, loose to medium dense, few silt, some fine gravel	
					No Recovery	
2					WELL GRADED GRAVEL WITH SAND, brown, rounded, moist, loose, with sand, sand is uniform	
					Black SILTY SAND WITH GRAVEL, dark brown, wet, loose, some silt, few fine gravel	
		83	SSHS-B983-SUB-2-4 (PCBs 30.52 mg/kg)		WELL GRADED SAND WITH GRAVEL, brown, moist, medium dense, few silt, some gravel, gravel is subangular to rounded	113
					Rock fragments	
					No Recovery	
4					WELL GRADED GRAVEL WITH SAND, brown to blackish brown, rounded, moist, loose to medium dense, trace silt, some fine to medium sand	
					Black shiny material (ash)	
		100	SSHS-B983-SUB-4-6		Yellowish brown, fine grained, moist, medium dense to dense, with coarse gravel, trace silt	135
6						

Bottom of borehole at 6.0 feet.

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BORING B985

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 2/28/18 **COMPLETED** 2/28/18
NORTHING 762570.6042 ft **EASTING** 753680.2335 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		100			WELL GRADED SAND WITH GRAVEL, light brown to blackish brown, fine to coarse grained, moist, loose to medium dense, some fine to coarse gravel, trace black shiny material (ash), few rock fragments	33.2
2					WELL GRADED SAND WITH GRAVEL, light brown to dark brown, fine to medium grained, moist, loose to medium dense, some fine to coarse gravel	
		67				5.1
					No Recovery	
4					WELL GRADED SAND WITH GRAVEL, brown to dark brown, fine to medium grained, moist, loose to medium dense, some fine to coarse gravel	
		108	SSHS-B985-SUB-4-6 (PCBs 3.734 mg/kg)		Dry, rock fragments	
					WELL GRADED SAND, light brown, fine to coarse grained, moist, loose to medium dense, few fine gravel	4.7
					FAT CLAY, grayish brown, moist, high plasticity	
6					WELL GRADED SAND, black to brown, fine grained, moist, few gravel, trace silt	
					SANDY LEAN CLAY WITH GRAVEL, blackish brown to black, medium to coarse grained, moist, medium stiff to stiff, medium plasticity, some silt, few fine gravel, some rock fragments	
		92	SSHS-B985-SUB-6-8 (PCBs 6.996 mg/kg) 2" overdrilled, discarded		SANDY LEAN CLAY WITH GRAVEL, black, medium to coarse grained, moist, medium stiff to stiff, some silt, few fine gravel, some rock fragments	10.5
8					No Recovery	
					Bottom of borehole at 8.0 feet.	

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BORING B998

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 2/28/18 **COMPLETED** 2/28/18
NORTHING 762614.6711 ft **EASTING** 753639.4134 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100			WELL GRADED GRAVEL WITH SAND, black to brown, angular, fine to coarse grained, moist, loose to medium dense, some fine to medium sand, few rock fragments, trace powdered red brick	64.1
2		100			WELL GRADED GRAVEL WITH SAND, black to brown, angular, fine to coarse grained, moist to wet, loose to medium dense, some fine to medium sand, few rock fragments, trace powdered red brick WELL GRADED GRAVEL WITH SAND, black to brown, angular, fine to coarse grained, moist, loose to medium dense, some fine to medium sand, few rock fragments, trace powdered red brick	677
4		100			WELL GRADED GRAVEL WITH SAND, black to brown, angular, fine to coarse grained, wet, loose to medium dense, some fine to medium sand, few rock fragments, trace powdered red brick WELL GRADED GRAVEL WITH SAND, black to brown, angular, fine to coarse grained, moist, loose to medium dense, some fine to medium sand, few rock fragments, trace black shiny material (ash), trace powdered red brick	93.4
6		100			WELL GRADED SAND WITH GRAVEL, blackish brown, fine to medium grained, moist, few fine to coarse gravel Rock fragments WELL GRADED SAND, brown to yellowish brown, fine to coarse grained, wet, some rock fragments, trace fine gravel	34
8		46	SSHS-B998-SUB-8-10 (PCBs 1.355 mg/kg)		WELL GRADED GRAVEL, gray to brown, rounded, wet, loose to medium dense, trace fine sand WELL GRADED GRAVEL WITH SAND, yellow to reddish brown, rounded, fine to coarse grained, moist, few rock fragments, trace silt, some fine to medium sand No Recovery	3.2
10						

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BORING B998

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		79	SSHS-B998-SUB-10-12		WELL GRADED GRAVEL WITH SAND, yellow to reddish brown, moist, few rock fragments, some fine sand	28.4
					No Recovery	
12		67	SSHS-B998-SUB-12-14		WELL GRADED GRAVEL WITH SAND, yellow to reddish brown, moist to wet, few rock fragments, some fine sand	33.1
					No Recovery	
14					Bottom of borehole at 14.0 feet.	64.1

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BORING B965

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/1/18 **COMPLETED** 3/1/18
NORTHING 762613.9952 ft **EASTING** 753665.3657 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		100			WELL GRADED GRAVEL WITH SAND, brown, fine to coarse grained, moist, loose to medium dense, few silt, with sand, few rock fragments	9.1
2					WELL GRADED SAND WITH CLAY AND GRAVEL, light brown to dark brown, fine to medium grained, moist to wet, medium dense to dense, with fine to medium gravel, trace black shiny material (ash), few rock fragments	11.2
		42			WELL GRADED SAND WITH CLAY AND GRAVEL, light brown to dark brown, fine to medium grained, moist to wet, medium dense to dense, with fine to medium gravel, few silt, few rock fragments, trace powdered red Brick. No Recovery	19
6					WELL GRADED SAND WITH CLAY AND GRAVEL, light brown to black, fine to medium grained, moist, medium dense to dense, with fine to medium gravel, few silt, few rock fragments, trace powdered red Brick.	
		100	SSHS-B965-SUB-6-8			13.7
8			Repeated refusal (X3) consistently observed at 8'. Boring terminated at 8'		Bottom of borehole at 8.0 feet.	

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BORING B968

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/1/18 **COMPLETED** 3/1/18
NORTHING 762699.3018 ft **EASTING** 753784.2438 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		100	SSHS-B968-SUB-0-2 (PCBs 4.758 mg/kg)		WELL GRADED GRAVEL WITH SAND, brown, fine to coarse grained, moist, loose to medium dense, few rock fragments, some coarse sand	17.9
					WELL GRADED GRAVEL WITH SAND, brown to black, fine to coarse grained, moist, loose to medium dense, few rock fragments, some coarse sand, few silt	
2					WELL GRADED GRAVEL WITH SAND, brown, fine to coarse grained, moist, loose to medium dense, few rock fragments, some coarse sand	
		83	SSHS-B968-SUB-2-4 (PCBs 5.122 mg/kg)		WELL GRADED GRAVEL, brown to dark blackish brown, fine to coarse grained, moist, loose to medium dense, few rock fragments	14.5
					POORLY GRADED GRAVEL, rounded, coarse grained, loose, rock fragments	
					No Recovery	
4					POORLY GRADED GRAVEL, rounded, coarse grained, loose, rock fragments	
		100	SSHS-B968-SUB-4-6		WELL GRADED GRAVEL WITH SAND, brown to dark brown, moist, loose to medium dense, few rock fragments, some fine to coarse sand, few fine to coarse gravel, trace powdered red Brick	17.7
6						

Bottom of borehole at 6.0 feet.

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BORING B969

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/1/18 **COMPLETED** 3/1/18
NORTHING 762768.1914 ft **EASTING** 753693.9507 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		92			WELL GRADED GRAVEL WITH SILT AND SAND, brown to light brown, fine to coarse grained, moist, loose to medium dense, some fine to medium sand, few silt	11.9
					WELL GRADED GRAVEL WITH SILT AND SAND, brown to light brown, fine to coarse grained, wet, loose to medium dense, some fine to medium sand, few silt	
2					No Recovery	
		100	SSHS-B969-SUB-2-4 (PCBs 13.85 mg/kg)		WELL GRADED GRAVEL WITH SILT AND SAND, brown to light brown, fine to coarse grained, wet, loose to medium dense, some fine to medium sand, few silt	
					Moist, black shiny material (ash)	12.8
					WELL GRADED GRAVEL WITH SAND, yellowish brown to blackish brown, subangular, fine to coarse grained, moist, medium dense to dense, some fine sand	
4					SILTY SAND WITH GRAVEL, yellowish brown to reddish brown, fine grained, moist, medium dense to dense, some fine gravel	
		100	SSHS-B969-SUB-4-6 (PCBs <0.1078 mg/kg)			40.5
6					WELL GRADED SAND WITH SILT AND GRAVEL, brown, medium to coarse grained, wet, medium dense to loose, few silt, with fine to coarse gravel	
					WELL GRADED SAND WITH SILT AND GRAVEL, reddish brown, medium to coarse grained, moist, medium dense to loose, few silt, with fine to coarse gravel	
		75	SSHS-B969-SUB-6-8		SILTY SAND WITH GRAVEL, brown, fine grained, moist, loose, some gravel	23.7
					WELL GRADED GRAVEL WITH SAND, yellowish brown, fine to coarse grained, moist, few rock fragments	
8					No Recovery	

Bottom of borehole at 8.0 feet.

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BORING B970

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/1/18 **COMPLETED** 3/1/18
NORTHING 762746.5491 ft **EASTING** 753729.5516 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
			SSHS-B970-SUB-0-2		WELL GRADED GRAVEL WITH SAND, yellowish brown to brown, fine grained, moist, loose to medium dense, with fine sand, trace silt	23.6
					Brown, construction debris, trace sand, few black shiny material (ash)	
2		50			No Recovery	42.5
4		100	SSHS-B970-SUB-4-6 (PCBs 0.7553 mg/kg)		WELL GRADED GRAVEL WITH SAND, brown to blackish brown, rounded, coarse grained, moist, loose to medium dense, with fine sand, trace silt, few rock fragments	12.6
6		83	SSHS-B970-SUB-6-8		WELL GRADED GRAVEL WITH SAND, brown to blackish brown, rounded, coarse grained, moist, loose to medium dense, with fine sand, trace silt, few rock fragments	18.5
8					No Recovery	
					Bottom of borehole at 8.0 feet.	

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BORING B977

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/1/18 **COMPLETED** 3/1/18
NORTHING 762662.1802 ft **EASTING** 753792.9459 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					WELL GRADED GRAVEL WITH SILT AND SAND, light yellowish brown to dark brown, dry to moist, with fine sand, few silt	92.7
2		50			No Recovery	104
4			SSHS-B977-SUB-4-6 (PCBs 1.187 mg/kg)		WELL GRADED GRAVEL WITH SAND, brown to blackish brown, rounded, moist, loose to medium dense, few rock fragments, trace black shiny material (ash), with medium to coarse sand	83.3
		67			No Recovery	
6			SSHS-B977-SUB-6-8 (PCBs 0.8425 mg/kg)		WELL GRADED GRAVEL WITH SAND, light brown, rounded, fine to coarse grained, dry to moist, loose to medium dense, few fine to medium sand, trace rock fragments Black shiny material (ash) WELL GRADED SAND WITH SILT AND GRAVEL, fine to medium grained, moist to wet, few silt, some fine to medium gravel	26.1
		63			No Recovery	
8			SSHS-B977-SUB-8-10 (PCBs 1.47 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, fine to medium grained, moist to wet, few silt, some fine to medium gravel	
					Rock fragments	30.7
		54			No Recovery	
10						

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BORING B977

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		58	SSHS-B977-SUB-10-12 (PCBs 5.763 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, brown to dark brown, fine to medium grained, moist to wet, loose to medium dense, with fine to coarse gravel, few silt	16.7
					No Recovery	
12		50	SSHS-B977-SUB-12-14 (PCBs 6.633 mg/kg)		WELL GRADED SAND WITH GRAVEL, brown, moist, loose to medium dense, with fine gravel, few sand, trace rock fragments, few silt	13.9
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B984

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/1/18 **COMPLETED** 3/1/18
NORTHING 762719.1023 ft **EASTING** 753826.6213 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					WELL GRADED GRAVEL WITH SILT AND SAND, brown to dark brown, fine to coarse grained, moist, medium dense, few rock fragments, some fine to medium sand, trace silt	23.6
2		50			No Recovery	29.3
4		67	SSHS-B984-SUB-4-6 (PCBs 0.2625 mg/kg)		WELL GRADED GRAVEL WITH SAND, brown to dark brown, moist, loose to medium dense, few rock fragments, some fine to medium sand, trace silt	18.5
					No Recovery	
6		75	SSHS-B984-SUB-6-8		WELL GRADED GRAVEL WITH SAND, black to dark brown, fine grained, moist, loose to medium dense, some rock fragments, few fine sand	
					FAT CLAY WITH SAND, yellowish brown, moist, soft, high plasticity, trace gravel	46.3
					No Recovery	
8					Bottom of borehole at 8.0 feet.	

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BORING B993

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/1/18 **COMPLETED** 3/1/18
NORTHING 762654.1743 ft **EASTING** 753774.4384 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		100			WELL GRADED GRAVEL WITH SAND, brown to dark brown, moist, medium dense to dense, some fine to medium sand, trace black shiny material (ash), few rock fragments	17.6
2					WELL GRADED GRAVEL WITH SAND, brown to dark brown, moist, medium dense to dense, trace black shiny material (ash), few rock fragments	18.8
4		50			No Recovery	33.6
6					WELL GRADED GRAVEL WITH SAND, brown to dark brown, moist, medium dense to dense, trace black shiny material (ash), few rock fragments	24.5
					No Recovery	
8		33				38.1
10						

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BORING B993

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					WELL GRADED SAND WITH GRAVEL, brown, medium to coarse grained, moist, loose to medium dense, few rock fragments, trace fine gravel	
			SSHS-B993-SUB-10-12 (PCBs 0.544 mg/kg)		FAT CLAY, yellowish brown, moist, soft, high plasticity, with silt	37.6
		71			WELL GRADED SAND WITH GRAVEL, brown, moist, medium dense, with fine to coarse gravel, trace rock fragments	
					No Recovery	
12					WELL GRADED SAND WITH SILT AND GRAVEL, light brown, fine grained, wet, medium dense to dense, with silt, some coarse gravel, few rock fragments	
		100	SSHS-B993-SUB-12-14 (PCBs 0.07355 mg/kg)			84
14					Bottom of borehole at 14.0 feet.	

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BORING B994

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/1/18 **COMPLETED** 3/1/18
NORTHING 762611.6104 ft **EASTING** 753791.4029 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		100			WELL GRADED GRAVEL WITH SAND, brown to dark brown, subangular, fine to coarse grained, moist, loose to medium dense, some rock fragments, some fine to coarse sand, trace black shiny material (ash)	0.7
2		92				0.9
4		75	SSHS-B994-SUB-4-6 (PCBs 3.851 mg/kg)		No Recovery POORLY GRADED SAND WITH SILT, medium grained, moist, loose to medium dense, some fine gravel, trace silt, few rock fragments WELL GRADED SAND WITH GRAVEL, brown to blackish brown, moist, medium dense to dense, with fine to coarse gravel, trace rock fragments Light brown, moist to wet Dark brown, moist to wet No Recovery	2.2
6		83	SSHS-B994-SUB-6-8		WELL GRADED SAND WITH GRAVEL, light brown, fine to medium grained, moist, loose to medium dense, few rock fragments, some fine gravel Reddish brown, medium dense Light brown, medium dense Dark brown LEAN CLAY, yellowish brown, moist, soft, low plasticity No Recovery	9
8			Repeated refusal (X3) at 8'. Boring terminated.		Bottom of borehole at 8.0 feet.	

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BORING B995

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/1/18 **COMPLETED** 3/1/18
NORTHING 762624.1967 ft **EASTING** 753614.3747 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, soft, topsoil	
		83	SSHS-B995-SUB-0-2 (PCBs 65.87 mg/kg)		WELL GRADED GRAVEL WITH SAND, brown, fine to coarse grained, moist, medium dense, few silt, some fine to coarse gravel, few rock fragments	17.2
					WELL GRADED GRAVEL WITH SAND, reddish brown, fine to coarse grained, moist, medium dense, few silt, some fine to coarse gravel, few rock fragments	
					WELL GRADED GRAVEL WITH SAND, black, fine to coarse grained, moist, medium dense, few silt, some fine to coarse gravel, few rock fragments	
2					No Recovery	
		75			WELL GRADED SAND WITH GRAVEL, brown to dark brown, fine to medium grained, moist, medium dense to loose, with fine to coarse gravel, few rock fragments, trace black shiny material (ash)	13.4
					No Recovery	
4					WELL GRADED SAND WITH GRAVEL, black to blackish brown, fine to medium grained, moist, medium dense to loose, with fine to coarse gravel, few rock fragments, trace black shiny material (ash)	
		92	SSHS-B995-SUB-4-6 (PCBs 2.445 mg/kg)			19.7
6			Repeated refusal (X3) consistently observed at 6'. Boring terminated at 6'.		No Recovery	

Refusal at 6.0 feet.
Bottom of borehole at 6.0 feet.

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BORING B974

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/3/18 **COMPLETED** 3/3/18
NORTHING 762528.2405 ft **EASTING** 753815.9042 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					WELL GRADED GRAVEL WITH SILT AND SAND, brown to blackish brown, subangular, fine to coarse grained, moist, medium dense to dense, few silt, few rock fragments	14
2		50			WELL GRADED SAND WITH SILT AND GRAVEL, black to brown, fine to medium grained, moist, medium dense to dense, with coarse gravel, few silt, trace powdered red Brick	19.9
					No Recovery	
4		125	SSHS-B974-SUB-4-6 (PCBs 0.5392 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, black to brown, fine to medium grained, moist, medium dense to dense, with coarse gravel, few silt, trace powdered red Brick	22.1
6		83	SSHS-B974-SUB-6-8		Wood pieces WELL GRADED SAND WITH GRAVEL, dark brown to black, subangular, medium to coarse grained, moist, loose to medium dense, few rock fragments, with fine to medium gravel	
					SILTY SAND WITH GRAVEL, brown to blackish brown, fine to medium grained, moist, loose, gravel is subangular to rounded	16.1
8					No Recovery	

Bottom of borehole at 8.0 feet.

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BORING B1004

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/3/18 **COMPLETED** 3/3/18
NORTHING 762639.4079 ft **EASTING** 753644.2034 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED GRAVEL WITH SILT AND SAND, brown, moist, medium dense to dense, fine to coarse gravel, with fine to coarse sand, few silt, few broken rock fragments, angular to subangular gravel	12.9
2		50			Black	9
					No Recovery	
4					WELL GRADED GRAVEL WITH SAND, brown to reddish brown, moist, loose, some fine to coarse gravel, few rock fragments, subangular Reddish brown to black, medium dense, trace black shiny material (ash)	
		100	SSHS-B1004-SUB-4-6 (PCBs 2.047 mg/kg)			11.8
6					SILTY SAND WITH GRAVEL, brown, moist, soft to medium soft, fine gravel	

Bottom of borehole at 6.0 feet.

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BORING B1005

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/3/18 **COMPLETED** 3/3/18
NORTHING 762578.9759 ft **EASTING** 753715.1193 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Wood chips(Mulch)	
					SILT, brown, moist, soft, Topsoil	
					WELL GRADED GRAVEL, angular, coarse grained, dry, loose to medium dense, few fine sand, few rock fragments	15
2		50			SILTY SAND, brown to blackish brown, fine to medium grained, moist, few fine gravel, few rock fragments, some silt	16
					No Recovery	
4		100	SSHS-B1005-SUB-4-6 (PCBs 3.551 mg/kg)		WELL GRADED GRAVEL WITH SAND, brown, wet, loose, with fine to coarse gravel, few rock fragments, trace silt	
					WELL GRADED GRAVEL WITH SAND, brown, moist, loose, with fine to coarse gravel, few rock fragments, trace silt	
					WELL GRADED SAND WITH SILT AND GRAVEL, black to dark blackish brown, moist, medium dense to dense, few silt, with fine to coarse gravel	12.2
6					Bottom of borehole at 6.0 feet.	

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BORING B1006

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/3/18 **COMPLETED** 3/3/18
NORTHING 762594.4552 ft **EASTING** 753719.929 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED GRAVEL WITH SILT AND SAND, light brown to blackish brown, loose to medium dense, fine to coarse gravel, with fine sand, few rock fragments	12
2		50				13.1
					No recovery	
4					WELL GRADED SAND WITH SILT AND GRAVEL, dark brown to blackish brown, moist, loose to medium dense, fine to medium sand, few fine gravel, few silt, trace crushed rock fragments	14.2
6		50			Black shiny material (ash), trace rock fragments, trace brick	
					No recovery	14.1
8					WELL GRADED SAND WITH SILT AND GRAVEL, blackish brown to dark brown, moist to wet, loose to medium dense, few gravel, few silt	
		100			Concrete (crushed)	15
10					WELL GRADED GRAVEL WITH SILT AND SAND, brown to light brown, dry to moist, dense, some fine gravel, and silt, hydrocarbon odor	

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BORING B1006

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		83	SSHS-B1006-SUB-10-12 (PCBs 0.1989 mg/kg)		Few rock fragments, hydrocarbon odor	31.7
12					No recovery	
					Bottom of borehole at 12.0 feet.	

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BORING B1007

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/3/18 **COMPLETED** 3/3/18
NORTHING 762585.5393 ft **EASTING** 753744.4125 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED GRAVEL WITH SILT AND SAND, brown to blackish brown, moist, loose to medium dense, fine to coarse sand, few silt, few rock fragments	5.2
2		50			No recovery	12.2
4					WELL GRADED GRAVEL WITH SILT AND SAND, blackish brown to light greenish brown, dry to moist, loose to medium dense, fine to coarse gravel, with fine to coarse sand, trace rock fragments, well graded angular to subangular gravel	12.6
6		50				12.4
					No recovery	
8					Few crushed red brick	14.1
10						

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BORING B1007

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		50			No recovery	17.2
12		92	SSHS-B1007-SUB-12-14 (PCBs 40.82 mg/kg)		Moist to wet, few crushed red brick Brown to black, hydrocarbon odor	15.3
14					No recovery Bottom of borehole at 14.0 feet.	

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BORING B1008

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/3/18 **COMPLETED** 3/3/18
NORTHING 762646.0014 ft **EASTING** 753789.5476 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED GRAVEL WITH SAND, light brown to brown, subangular, moist, loose to medium dense, fine to coarse gravel, some fine sand, few rock fragments	12.9
2		50			No recovery	12.2
4					Loose to very loose, few crushed red brick	12.7
6		50			SILTY SAND WITH GRAVEL, brown to blackish brown, angular, moist, soft to medium soft, few fine gravel No recovery	10.8
8					SILTY SAND WITH GRAVEL, brown to blackish brown, angular, moist, soft to medium soft, few fine gravel	
					WELL GRADED GRAVEL, brownish black to blackish brown, angular, fine grained, moist, loose, few rock fragments, trace silt	
					Brownish black, subangular, fine grained, moist, loose, some fine sand, few rock fragments, powdered yellow Brick	10.5
10					No recovery	

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BORING B1008

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		40				13.3
12		71	SSHS-B1008-SUB-12-14 (PCBs 36.37 mg/kg)		SILTY SAND WITH GRAVEL, black, rounded, fine grained, moist to wet, very loose, hydrocarbon odor Moist Broken Concrete No Recovery	13.1
14					Bottom of borehole at 14.0 feet.	

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BORING B950

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/4/18 **COMPLETED** 3/4/18
NORTHING 762664.3478 ft **EASTING** 753832.3565 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		117			WELL GRADED SAND WITH GRAVEL, light brown to dark blackish brown, moist, fine to medium sand, with fine gravel, few rock fragments	0
2			SSHS-B950-SUB-2-4 (PCBs 2.351 mg/kg)		WELL GRADED SAND WITH GRAVEL, blackish brown to brownish black, moist, loose to medium dense, coarse gravel, few rock fragments, angular gravel	0
		67			No recovery	
4					WELL GRADED SAND WITH GRAVEL, blackish brown to brownish black, moist, loose to medium dense, coarse gravel, few rock fragments, angular gravel	0
		63	SSHS-B950-SUB-4-6		No recovery	
6					WELL GRADED SAND WITH GRAVEL, light brown, moist, loose to medium dense, coarse gravel, few rock fragments, angular gravel	0
		79	SSHS-B950-SUB-6-8		WELL GRADED SAND WITH GRAVEL, blackish brown, moist, loose to medium dense, coarse gravel, few rock fragments, angular gravel	
					No recovery	
8					WELL GRADED SAND WITH SILT AND GRAVEL, blackish brown, moist, loose to medium dense, few silt, coarse gravel, few rock fragments	0.2
		67	SSHS-B950-SUB-8-10		No recovery	
10						

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BORING B950

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		67	SSHS-B950-SUB-10-12		WELL GRADED SAND WITH SILT AND GRAVEL, blackish brown, moist, loose to medium dense, few silt, coarse gravel, few rock fragments	0
					WELL GRADED SAND WITH SILT AND GRAVEL, brown, moist to wet, loose to medium dense, well graded, angular gravel	
					No recovery	
12					Bottom of borehole at 12.0 feet.	

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BORING B952

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/4/18 **COMPLETED** 3/4/18
NORTHING 762710.9137 ft **EASTING** 753669.8224 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					WELL GRADED SAND WITH GRAVEL, brown to light brown, fine to medium grained, moist, medium dense, few rock fragments, some fine to coarse gravel, gravel is angular	1061
					WELL GRADED SAND WITH GRAVEL, dark brown to black, fine to medium grained, moist, medium dense, few rock fragments, some fine to coarse gravel, few black shiny material (ash), gravel is angular	
2		50				
					WELL GRADED SAND WITH GRAVEL, dark brown to black, fine to medium grained, moist, medium dense, few rock fragments, some fine to coarse gravel, few silt, gravel is angular	175
					No Recovery	
4		100			WELL GRADED SAND WITH GRAVEL, dark brown to black, fine to medium grained, moist, medium dense, few rock fragments, some fine to coarse gravel, few silt, gravel is angular	1600
6		88	SSHS-B952-SUB-6-8 (PCBs 11.96 mg/kg)		WELL GRADED SAND WITH GRAVEL, dark brown to brown, fine to medium grained, dry to moist, medium dense, few rock fragments, some fine to coarse gravel, few silt, gravel is angular	950
					No Recovery	
8		88	SSHS-B952-SUB-8-10		WELL GRADED GRAVEL WITH SAND, black, subangular, moist, loose to medium dense, some fine sand, trace silt, few rock fragments	205
					WELL GRADED GRAVEL WITH SAND, yellowish brown, subangular, moist, loose to medium dense, some fine sand, trace silt, few rock fragments	
					No Recovery	
10						

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BORING B952

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B952-SUB-10-12 (PCBs 0.2973 mg/kg)		WELL GRADED GRAVEL WITH SAND, yellowish brown to reddish brown, subangular, moist to wet, loose to medium dense, some fine sand, trace silt, few rock fragments	298
12					Bottom of borehole at 12.0 feet.	

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BORING B953

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/4/18 **COMPLETED** 3/4/18
NORTHING 762720.8907 ft **EASTING** 753653.5813 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, dark brown, moist, soft, Topsoil	
					WELL GRADED SAND WITH GRAVEL, brown to blackish brown, fine to medium grained, moist, trace silt, few fine to coarse gravel, trace rock fragments	192
2		50			No Recovery	48
4		88			WELL GRADED SAND WITH GRAVEL, brownish black to black, fine to medium grained, moist, loose to medium dense, with fine to coarse gravel, few rock fragments, gravel is subangular	90.1
					No Recovery	
6		88	SSHS-B953-SUB-6-8 (PCBs 8.448 mg/kg)		WELL GRADED SAND WITH GRAVEL, brownish black to black, fine to medium grained, moist, loose to medium dense, with fine to coarse gravel, few rock fragments, gravel is subangular	
					WELL GRADED SAND WITH GRAVEL, yellowish brown to brown, fine to medium grained, moist, loose to medium dense, with fine to coarse gravel, few rock fragments, gravel is subangular	438
					No Recovery	
8		83	SSHS-B953-SUB-8-10 (PCBs 6.161 mg/kg)		WELL GRADED SAND WITH GRAVEL, yellowish brown to brown, fine to medium grained, moist, medium dense to dense, with fine to coarse gravel, few rock fragments, gravel is subangular	286
					No Recovery	
10						

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BORING B953

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		108			WELL GRADED SAND WITH GRAVEL, yellowish brown to brown, fine to medium grained, moist, medium dense to dense, with fine to coarse gravel, few rock fragments, gravel is subangular	95
12		79	SSHS-B953-SUB-12-14 (PCBs 0.6239 mg/kg)		WELL GRADED SAND WITH GRAVEL, yellowish brown to brown, fine to medium grained, wet, loose to very loose, with fine to coarse gravel, few rock fragments, gravel is subangular WELL GRADED SAND WITH GRAVEL, yellowish brown to brown, fine to medium grained, moist, medium dense to dense, with fine to coarse gravel, few rock fragments, gravel is subangular	153
14					No Recovery Bottom of borehole at 14.0 feet.	

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BORING B958

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/4/18 **COMPLETED** 3/4/18
NORTHING 762630.5483 ft **EASTING** 753733.5674 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					WELL GRADED SAND WITH GRAVEL, brown to dark brown, moist, medium dense, some fine to coarse gravel, few silt, trace construction debris, gravel is subangular to rounded	15
2		50				
					WELL GRADED SAND WITH GRAVEL, light brown, dry to moist, medium dense, some fine to coarse gravel, few silt, trace construction debris, gravel is subangular to rounded	3.5
					No Recovery	
4					WELL GRADED SAND, blackish brown to brown, medium to coarse grained, moist, some rock fragments, few fine to coarse gravel	
		88				616
					No Recovery	
6			SSHS-B958-SUB-6-8 (PCBs 19.52 mg/kg)		WELL GRADED SAND, blackish brown to light grayish brown, medium to coarse grained, moist, some rock fragments, few fine to coarse gravel	
		67				16.3
					No Recovery	
8					WELL GRADED GRAVEL, gray, rounded, dry to moist, loose, few rock fragments, few sand	
						48.6
		50			No Recovery	
10						

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BORING B958

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					WELL GRADED GRAVEL WITH SAND, subangular, moist, medium dense, some fine to coarse sand, trace silt, few rock fragments	
		100	SSHS-B958-SUB-10-12 (PCBs 0.5551 mg/kg)		WELL GRADED GRAVEL WITH SAND, light yellowish brown to brown, subangular, moist, medium dense, some fine to coarse sand, trace silt, few rock fragments, more moisture towards bottom 3"	135
12					Bottom of borehole at 12.0 feet.	

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BORING B963

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/4/18 **COMPLETED** 3/4/18
NORTHING 762616.9916 ft **EASTING** 753804.8248 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					WELL GRADED SAND WITH SILT AND GRAVEL, brown to black, fine to medium grained, moist, loose to medium dense, few silt, few rock fragments, some fine gravel	0.1
2		50			No Recovery	0
4		100	SSHS-B963-SUB-4-6 (PCBs 0.8463 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, brown to black, fine to medium grained, moist, medium dense, few silt, few rock fragments, some fine gravel, trace crushed powdered red Brick	0
6		71	SSHS-B963-SUB-6-8 (PCBs 5.651 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, brown to black, fine to medium grained, moist, medium dense, few silt, few rock fragments, some fine gravel, trace crushed powdered red Brick	0.6
					No Recovery	
8			Repeated refusal (X3) at 8'. Boring terminated at 8'.		Bottom of borehole at 8.0 feet.	

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BORING B967

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/4/18 **COMPLETED** 3/4/18
NORTHING 762683.9295 ft **EASTING** 753803.4504 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83			Asphalt	
					WELL GRADED SAND WITH GRAVEL, brown, moist, loose to medium dense, fine to medium gravel, few fine sand, few rock fragments	0
					No recovery	
2		71	SSHS-B967-SUB-2-4 (PCBs 62.22 mg/kg)		Brown to dark brown, more moisture	0
					No recovery	
4		71	SSHS-B967-SUB-4-6		Brown to dark brown, moist to wet	0
					No recovery	
6		63	SSHS-B967-SUB-6-8		Brown to dark brown, moist	0
					No recovery	
8		83	SSHS-B967-SUB-8-10		Brown to dark brown, moist to wet	0
					Black, hydrocarbon odor	
10					No recovery	

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BORING B967

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		46	SSHS-B967-SUB-10-12 3 attempts were made to collect sample, each time recovery was less than 1'.		WELL GRADED SAND, dark brown to blackish brown, moist to wet, very loose to loose, few gravel, few rock fragments, fine sand, and fine gravel, slight hydrocarbon odor No recovery	0
12					Bottom of borehole at 12.0 feet.	

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BORING B976

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/4/18 **COMPLETED** 3/4/18
NORTHING 762771.9595 ft **EASTING** 753666.6111 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					WELL GRADED GRAVEL, gray, subangular, coarse grained, dry, loose	
					WELL GRADED GRAVEL WITH SAND, brown, subangular, fine to coarse grained, moist, loose to medium dense, few fine sand SILT, brown, moist, soft to medium stiff	182
2		50			WELL GRADED GRAVEL WITH SAND, brown to dark brown, fine grained, moist, medium dense, with fine to medium sand, few rock fragments	
					WELL GRADED GRAVEL WITH SAND, light brown, fine grained, moist, medium dense, with fine to medium sand, few rock fragments Black shiny material (ash) No Recovery	79.1
4		100			WELL GRADED SAND WITH GRAVEL, yellowish brown to dark blackish brown, medium to coarse grained, moist, loose to medium dense, few fine gravel, few black shiny material (ash), few rock fragments	72.9
6		100	SSHS-B976-SUB-6-8 (PCBs 12.36 mg/kg)		WELL GRADED SAND WITH GRAVEL, dark blackish brown to brown, medium to coarse grained, moist, loose to medium dense, few fine gravel, few black shiny material (ash), few rock fragments	96
8					WELL GRADED SAND WITH GRAVEL, reddish brown, medium to coarse grained, moist, loose to medium dense, few fine gravel, few black shiny material (ash), few rock fragments	
					WELL GRADED SAND WITH GRAVEL, yellowish brown, medium to coarse grained, moist, loose to medium dense, few fine gravel, trace silt, few rock fragments Bottom of borehole at 8.0 feet.	

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BORING B979

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/4/18 **COMPLETED** 3/4/18
NORTHING 762648.6228 ft **EASTING** 753644.0735 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					WELL GRADED GRAVEL WITH SAND, brown, subangular, fine to coarse grained, moist, loose to medium dense, few rock fragments, few silt, some fine to medium sand	139
2		50			WELL GRADED GRAVEL WITH SAND, black to brownish black, subangular, fine to coarse grained, moist, loose to medium dense, few rock fragments, few silt, some fine to medium sand, hydrocarbon odor	20.6
4					No Recovery WELL GRADED GRAVEL WITH SAND, brownish black to reddish brown, subangular, fine to coarse grained, moist, loose to medium dense, few rock fragments, few silt, some fine to medium sand, hydrocarbon odor	143
6		50			POORLY GRADED SAND, medium grained, moist, loose, few fine gravel	96.4
					No Recovery	
8					WELL GRADED GRAVEL WITH SAND, brownish black to black, subangular, fine to coarse grained, moist, loose to medium dense, some fine to medium sand, few silt, few rock fragments	128
		67			POORLY GRADED SAND WITH GRAVEL, gray, medium grained, moist, loose, few fine gravel	
					No Recovery	
10						

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BORING B979

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		79	SSHS-B956-SUB-10-12		WELL GRADED GRAVEL WITH SAND, black to brownish black, moist to wet, some fine to coarse gravel, few silt, few rock fragments, hydrocarbon odor	124
					No Recovery	
12			Repeated refusal (X3) consistently at 12'. Boring terminated at 12'.		Bottom of borehole at 12.0 feet.	

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BORING B980

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/4/18 **COMPLETED** 3/4/18
NORTHING 762725.9776 ft **EASTING** 753669.5928 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					WELL GRADED SAND WITH GRAVEL, brown to dark brown, fine to medium grained, moist, medium dense to dense, some fine gravel, trace silt, few rock fragments	50.8
2		50			WELL GRADED SAND WITH GRAVEL, brown to dark brown, fine to medium grained, moist to wet, medium dense to dense, some fine gravel, trace silt, few rock fragments	96.8
					No Recovery	
4		113			WELL GRADED SAND WITH GRAVEL, dark brown to black, fine to medium grained, moist to wet, medium dense to dense, some fine gravel, few black shiny material (ash), few rock fragments	250
6		121	SSHS-B980-SUB-6-8		WELL GRADED SAND WITH GRAVEL, brown to dark brown, fine to medium grained, moist to wet, loose to very loose, some fine gravel, trace silt, few rock fragments WELL GRADED SAND WITH GRAVEL, brown to dark brown, fine to medium grained, moist to wet, medium dense, some fine gravel, trace silt, few rock fragments	
					WELL GRADED SAND WITH GRAVEL, yellowish brown, fine to medium grained, moist, some coarse gravel, trace silt, few rock fragments	101
8					WELL GRADED SAND WITH GRAVEL, yellowish brown, fine to medium grained, moist, some coarse gravel, trace silt, few rock fragments WELL GRADED SAND WITH GRAVEL, yellowish brown, fine to medium grained, moist, some coarse gravel, trace silt, few rock fragments	77.9
10						

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BORING B980

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		50				49.1
					No Recovery	
12			SSHS-B980-SUB-12-14 (PCBs 1.431 mg/kg)		WELL GRADED GRAVEL WITH SAND, brown to yellowish brown, subangular, moist to wet, loose, some fine sand, trace silt	
		75				137
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B992

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/4/18 **COMPLETED** 3/4/18
NORTHING 762576.5074 ft **EASTING** 753825.39 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED GRAVEL WITH SAND, brown, fine grained, moist, medium dense, some fine sand, few silt, few rock fragments, subanguar to rounded gravel	0
2		50			Dark brown to black, medium dense to dense, crushed red brick	
					Light brown, dry to moist, medium dense to dense	0
4					Crushed concrete and red brick throughout	
						0
6		50				0
					No recovery	
8					SILTY SAND WITH GRAVEL, brown to blackish brown, moist, medium dense to dense, few fine to coarse gravel, with broken red brick pieces	
		113	SSHS-B956-SUB-8-10 (PCBs 4.429 mg/kg)			0
					Light brown to dark brown, (some concrete at the bottom of push)	
10						

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BORING B992

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					Moist to wet, medium dense to loose	
		100	SSHS-B956-SUB-10-12		Moist to wet, medium dense to loose	0
					Moist, medium dense	
12					Black, trace crushed yellow brick, slight hydrocarbon odor Bottom of borehole at 12.0 feet.	

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BORING B954

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/5/18 **COMPLETED** 3/5/18
NORTHING 762545.4363 ft **EASTING** 753714.2682 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED SAND WITH GRAVEL, brown to light brown, dry to moist, medium dense, few silt, with rock fragments, subangular to rounded	3.1
2		50			WELL GRADED SAND WITH GRAVEL, dark brown to light yellowish brown, dry to moist, medium dense, few silt, few black shiny material (ash), crushed concrete present (@ 2.33-2.5")	42.6
					No recovery	
4					Dry to moist, trace rock fragments, few black shiny material (ash), few crushed brick	
		100			WELL GRADED SAND WITH GRAVEL, dark blackish brown to black, dry to moist, medium dense, slight hydrocarbon odor	42.8
6					WELL GRADED SAND WITH GRAVEL, dark blackish brown to reddish brown, dry to moist, medium dense, few rock fragments	
		100	SSHS-B954-SUB-6-8 (PCBs 0.9413 mg/kg)			125
8					WELL GRADED SAND WITH GRAVEL, blackish brown, moist, medium dense	
		100	SSHS-B954-SUB-8-10		Rock fragments	70
					WELL GRADED SAND WITH GRAVEL, yellowish brown, moist, medium dense, few fine to coarse gravel, few silt, gravel is subangular to rounded	
10						

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BORING B954

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B954-SUB-12-14		Crushed and powdered concrete	70.2
					WELL GRADED SAND WITH SILT AND GRAVEL, brown, moist, medium dense, subangular gravel	
12		83			WELL GRADED GRAVEL WITH SAND, brown to dark brown, moist, loose, fine gravel, some fine sand, few rock fragments, rounded gravel	164
					WELL GRADED GRAVEL WITH SAND, light brown, moist, loose	
14					No recovery	

Bottom of borehole at 14.0 feet.

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BORING B961

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/5/18 **COMPLETED** 3/5/18
NORTHING 762753.4195 ft **EASTING** 753697.3329 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED SAND WITH GRAVEL, brown to greenish brown, moist, medium dense, trace black shiny material (ash), few rock fragments, angular to subangular	14.6
2		50				15.3
					No recovery	
4					WELL GRADED SAND WITH GRAVEL, brown, fine grained, moist, medium dense, few rock fragments, rounded gravel Black shiny material (ash), slight hydrocarbon odor	2.1
					WELL GRADED GRAVEL WITH SAND, yellow brown, moist, medium dense, fine sand, few black shiny material (ash)	
6		48			No recovery	25.9
8		100	SSHS-B961-SUB-8-10 (PCBs 5.704 mg/kg)		FAT CLAY WITH GRAVEL, yellow, moist, soft, high plasticity, fine gravel, some black shiny material (ash), few silt, angular gravel	19.7
10						

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BORING B961

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B961-SUB-10-12		WELL GRADED GRAVEL WITH SAND, yellowish brown, moist, medium dense, few fine to medium sand, few rock fragments, subangular to rounded	28.6
12					Bottom of borehole at 12.0 feet.	

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BORING B962

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/5/18 **COMPLETED** 3/5/18
NORTHING 762753.7584 ft **EASTING** 753674.3398 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED GRAVEL WITH SAND, dark brown to blackish brown, moist to wet, medium dense, fine to medium sand, trace black shiny material (ash), few rock fragments, hydrocarbon odor	15.2
2		50			Black	32.3
					No recovery	
4					Black shiny material (ash), trace hydrocarbon odor	18.2
6		50			WELL GRADED GRAVEL WITH SAND, yellowish red to reddish brown, moist, medium dense, fine sand, few rock fragments	24.3
					No recovery	
8					WELL GRADED GRAVEL WITH SAND, yellow, angular, moist, loose Moist, black shiny material (ash)	
		100	SSHS-B962-SUB-8-10 (PCBs 26.71 mg/kg)		WELL GRADED SAND WITH GRAVEL, yellowish brown, medium dense, fine to medium sand, some fine gravel, subangular gravel	25.2
10						

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BORING B962

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B962-SUB-10-12		Dry to moist Moist to wet	30.1
12					Bottom of borehole at 12.0 feet.	

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BORING B973

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 3/5/18 **COMPLETED** 3/5/18
NORTHING 762643.4693 ft **EASTING** 753803.6368 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				ASPHALT	
				Medium dense to dense, WELL GRADED GRAVEL WITH SAND, few rock fragments, trace silt, with fine to medium sand, fine to coarse grained, dry to moist, light brown, subangular	14.8
				No Recovery	38.7
2.5					
				Loose to medium dense, WELL GRADED GRAVEL WITH SAND, with fine to medium sand, trace silt, few rock fragments, fine to coarse grained, moist, brown to greenish brown, subangular	
		SSHS-B973-SUB-4-6			26.4
5.0				Rock fragments	
				No Recovery	
				Loose to very loose, WELL GRADED GRAVEL WITH SAND, with fine to medium sand, moist, brown, subangular	
				Medium dense to loose, WELL GRADED GRAVEL WITH SAND, few rock fragments, with fine to medium sand, moist, brown, rounded	
		SSHS-B973-SUB-6-8		Medium dense, WELL GRADED GRAVEL WITH SILT AND SAND, with fine sand, few silt, few rock fragments, moist to wet, light brown to dark brown	9.1
7.5				No Recovery	
				Loose to medium dense, WELL GRADED GRAVEL WITH SAND, few rock fragments, trace silt, fine to coarse grained, moist, brown, subangular	
		SSHS-B973-SUB-8-10		Loose to medium dense, WELL GRADED GRAVEL WITH SILT AND SAND, few rock fragments, few silt, fine to coarse grained, moist to wet, brown, subangular	12.6
				No Recovery	

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BORING B973

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B973-SUB-10-12		Loose to medium dense, WELL GRADED GRAVEL WITH SAND, few rock fragments, trace silt, fine to coarse grained, moist to wet, brown, subangular, trace brick present at base	24
				No Recovery	
12.5		SSHS-B973-SUB-12-14		Loose to medium dense, WELL GRADED GRAVEL WITH SAND, few rock fragments, trace silt, fine to coarse grained, moist to wet, blackish brown, subangular	
				Loose to medium dense, WELL GRADED GRAVEL WITH SAND, few rock fragments, trace silt, fine to coarse grained, moist to wet, reddish brown, subangular	16
				Loose to medium dense, WELL GRADED GRAVEL WITH SILT AND SAND, few rock fragments, few silt, fine to coarse grained, moist to wet, brown, subangular	
				Loose to medium dense, WELL GRADED GRAVEL WITH SILT AND SAND, few rock fragments, few silt, fine to coarse grained, moist to wet, blackish brown, subangular	
		Concrete in Shoe. Hard refusal at 14'.		No Recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B975

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/5/18 **COMPLETED** 3/5/18
NORTHING 762538.6397 ft **EASTING** 753794.852 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		92	SSHS-B975-SUB-0-2		WELL GRADED GRAVEL WITH SAND, brown, moist, medium dense, fine to medium sand, with fine gravel, angular gravel Trace black shiny material (ash), with powdered yellow brick	17.3
2					No recovery WELL GRADED GRAVEL, moist, fine to coarse gravel, with fine to medium sand, angular to subangular gravel, few broken rock fragments	
		100	SSHS-B975-SUB-2-4			19.3
4					Dark brown to black, slight hydrocarbon odor	
		100	SSHS-B975-SUB-4-6 (PCBs 1.124 mg/kg)			26.7
6					Pulverized red brick FAT CLAY WITH SAND, gray, stiff, high plasticity, fine sand, hydrocarbon ordor, slight sheen	
		96	SSHS-B975-SUB-6-8 (PCBs 1.522 mg/kg)			30
8					No recovery FAT CLAY WITH SAND, gray, stiff, high plasticity, fine sand, hydrocarbon ordor, slight sheen Powdered red brick pieces WELL GRADED SAND WITH GRAVEL, dark brown to black, moist, medium dense, fine gravel, trace silt, rounded gravel, hydrocarbon odor	
		100	SSHS-B975-SUB-8-10			90.6
10					Crushed concrete	

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BORING B975

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					WELL GRADED GRAVEL WITH SAND, dark brown, moist, medium dense, trace silt, slight hydrocarbon odor	
			SSHS-B975-SUB-10-12		Crushed yellow brick	
		75			WELL GRADED GRAVEL WITH SAND, dark brown with green, moist, medium dense, trace silt, few crushed gravel	77.3
					No recovery	
12					Medium dense	
		100	SSHS-B975-SUB-12-14		Brown	101
14					Bottom of borehole at 14.0 feet.	

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BORING B978

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/5/18 **COMPLETED** 3/5/18
NORTHING 762555.6039 ft **EASTING** 753755.8777 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					WELL GRADED GRAVEL WITH SAND, brown, moist, coarse gravel, some fine to coarse sand	
					Dark brown, medium dense, fine to medium sand	35.6
2		50				23.2
					No recovery	
4					WELL GRADED GRAVEL WITH SAND, dark brown, moist, medium dense, fine to medium sand	
		100				134
					Hydrocarbon odor, visible sheen	
6					Dark brown to black, loose	
					Pulverized concrete	
		96	SSHS-B978-SUB-6-8 (PCBs 3.231 mg/kg)		WELL GRADED GRAVEL WITH SAND, dark green brown, moist, medium dense, fine to coarse gravel, some fine to medium sand, gravel is subangular	77.4
8					No recovery	
		100	SSHS-B978-SUB-8-10 (PCBs 3.191 mg/kg)		Dry, loose, broken concrete	77.2
10					WELL GRADED SAND, dark yellow to brown, moist, medium dense	

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BORING B978

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B978-SUB-10-12 (PCBs 0.5837 mg/kg)		WELL GRADED SAND WITH GRAVEL, yellow brown, dry to moist, dense, fine to medium sand, few gravel, subangular to rounded gravel, trace pulverized concrete	87.6
12		50	SSHS-B978-SUB-12-14 (PCBs 3.841 mg/kg)		Dark black to black, medium dense No recovery	57.5
14					Bottom of borehole at 14.0 feet.	

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BORING B986

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/5/18 **COMPLETED** 3/5/18
NORTHING 762558.5964 ft **EASTING** 753729.0684 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
		92			WELL GRADED SAND WITH GRAVEL, brown, moist, medium dense, fine to coarse gravel, gravel is subangular	44.2
2					No recovery WELL GRADED SAND WITH GRAVEL, brown, moist, medium dense, fine to coarse gravel, gravel is subangular	
		100	SSHS-B986-SUB-2-4		Dark olive to black, slight hydrocarbon odor	62.2
4					Dark brown to brown, with trace fine grain brick	
		100	SSHS-B986-SUB-4-6		Dark brown to black, hydrocarbon odor	66.1
6						
		100	SSHS-B986-SUB-6-8 (PCBs 0.4889 mg/kg)		Broken and pulverized red brick	76.2
8					WELL GRADED SAND, black, moist, medium to coarse sand, trace gravel, few silt, few brick fragments, slight hydrocarbon odor	
		100	SSHS-B986-SUB-8-10		Light brown, no hydrocarbon odor Black, hydrocarbon odor and sheen	163
10			Repeated refusal (X3) at 10'.		Bottom of borehole at 10.0 feet.	

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BORING B986

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
			Boring terminated.			

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BORING B989

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/5/18 **COMPLETED** 3/5/18
NORTHING 762595.1354 ft **EASTING** 753835.6646 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** J. Thompson
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED SAND WITH GRAVEL, light brown to brown, moist, medium dense, fine to medium sand, trace silt, some fine to coarse gravel	6.1
2		50			Few black shiny material (ash), trace pulverized brick	3.9
					No recovery	
4					WELL GRADED SAND WITH GRAVEL, light brown to brown, moist, medium dense, fine to medium sand, trace silt, and fine to coarse gravel, few black shiny material	40
					Crushed red brick	
6		50			WELL GRADED SAND WITH GRAVEL, light brown to brown, moist, medium dense, fine to medium sand, trace silt, and fine to coarse gravel, few black shiny material	42
					No recovery	
8					WELL GRADED SAND WITH GRAVEL, dry to moist, loose to medium dense, medium sand, with fine gravel, trace crushed red brick and few subangular broken rock pieces	
		100	SSHS-B989-SUB-8-10 (PCBs 6.134 mg/kg)		Dark brown to black, moist, slight hydrocarbon odor	18.3
10					Crushed concrete	

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BORING B989

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					WELL GRADED SAND WITH GRAVEL, black, moist, loose to medium dense, medium sand, with fine gravel	
					Pulverized concrete	
		100	SSHS-B989-SUB-10-12 (PCBs 4.941 mg/kg)		WELL GRADED SAND WITH GRAVEL, light brown to brown, moist, medium dense to dense, fine to medium sand, with fine to coarse gravel, few peat, subangular to rounded sand,	32.1
12					Bottom of borehole at 12.0 feet.	

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BORING B1009

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/24/18 **COMPLETED** 4/24/18
NORTHING 753746.154 ft **EASTING** 762586.093 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Dry, loose, Asphalt	
					WELL GRADED SAND WITH GRAVEL, light grayish brown, dry, loose, fine gravel	21.4
					SILTY GRAVEL WITH SAND, dark brown, moist, very dense, low plasticity, fine to coarse sand, brick	
2		69			No recovery	9.7
4					WELL GRADED GRAVEL WITH SAND, dark brown, moist to wet, loose, fine to coarse sand	
					SILTY GRAVEL WITH SAND, tannish black to dark gray, dry to moist, dense, low plasticity, coarse gravel, with silt, and fine to coarse sand, some red brick at 6.5 ft bgs	8.9
6		67			No recovery	8.1
8					WELL GRADED GRAVEL WITH SILT AND SAND, dark brown, wet, loose, non plastic	10.2
					WELL GRADED SAND, light tan to dark brown, moist, loose, with slag and black shiny material	
10						

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BORING B1009

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		65			WELL GRADED GRAVEL WITH SAND, brown, dry, loose, coarse sand	
					No recovery	11.7
12		67	SSHS-B1009-SUB-12-14		WELL GRADED GRAVEL WITH SILT AND SAND, dark brown, wet, loose, fine to coarse gravel, with black shiny material (ash), brick	7.7
					No recovery	
14		100	SSHS-B1009-SUB-14-16 (PCBs 0.6472 mg/kg)		WELL GRADED GRAVEL WITH SAND, brown, wet, loose, fine to coarse gravel, with fine to coarse sand	
					WELL GRADED GRAVEL WITH SILT AND SAND, brown, moist, dense, low plasticity, fine to coarse gravel	7.7
16					Bottom of borehole at 16.0 feet.	

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BORING B1010

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/24/18 **COMPLETED** 4/24/18
NORTHING 753746.291 ft **EASTING** 762605.637 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					SILTY GRAVEL, light gray, dry, loose, fine to coarse gravel	
					SANDY SILT WITH GRAVEL, dark brown, dry to moist, fine sand, with silt, and fine gravel	4.8
2		81				
					No recovery	2.4
4					SANDY SILT WITH GRAVEL, dry to moist, dense, fine sand, with silt, and fine gravel, yellow and red brick	
					LEAN CLAY, dark brown, moist, high plasticity, interbedded with black shiny coarse material	2
6		94				
					SILTY GRAVEL, dark brown, moist, dense, low plasticity, fine to coarse gravel, with silt, black shiny material	4.2
					No recovery	
8					SILTY SAND WITH GRAVEL, dark brown, moist, dense, low plasticity, fine to coarse sand, with silt, and fine gravel	
					SILTY SAND WITH GRAVEL, dark brown, dry, loose, fine to coarse sand, with silt, and fine gravel	
		50			SILTY SAND WITH GRAVEL, dark brown, moist, dense, low plasticity, fine to coarse sand, with silt, and fine gravel	
					No recovery	3.5
10						

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BORING B1010

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND WITH GRAVEL, brown to dark brown, moist, dense, low plasticity, fine to coarse sand, with silt, and fine gravel	
		88	SSHS-B1010-SUB-10-12 (PCBs 0.1258 mg/kg)		LEAN CLAY, dark brown, moist, very stiff, medium plasticity	6.9
					No recovery	
12					SANDY LEAN CLAY, dark brown, moist, stiff, medium plasticity, clay, with fine to coarse sand	
		100	SSHS-B1010-SUB-12-14 (PCBs 5.653 mg/kg)		CLAYEY GRAVEL WITH SAND, dark brown, dry to moist, dense, coarse gravel, and clay, with fine to coarse sand	6.4
14					CLAYEY GRAVEL, brown to dark brown, wet, medium plasticity, coarse gravel, and clay, with fine to coarse sand	
					Bottom of borehole at 14.0 feet.	

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BORING B1016

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/24/18 **COMPLETED** 4/24/18
NORTHING 753669.544 ft **EASTING** 762748.119 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** A.Ranna
NOTES Hit refusal at 10 ft (stepped off once)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY GRAVEL WITH SAND, dark brown, dry to moist, medium dense, non plastic, fine to coarse gravel	
					SILTY SAND WITH GRAVEL, dark brown, moist, dense, low plasticity, fine to medium gravel	1.1
					WELL GRADED SAND WITH GRAVEL, light tannish brown, medium dense, medium to coarse sand, with fine to medium gravel	
					SILTY SAND WITH GRAVEL, dark brown, dry, dense, fine to coarse gravel, abundant fill and coal material	
2		54			No recovery	
						4.2
4					SILTY SAND WITH GRAVEL, dark brown, dry, dense, fine to coarse gravel, abundant black shiny material	
					Dark brownish gray, dry to moist, Black shiny material (FILL), dense, fine to coarse sand size	4.2
					LEAN CLAY WITH GRAVEL, dark gray to brown, dry to moist, medium plasticity, fine to coarse gravel, and black shiny material (ash)	
6		77			SILTY SAND WITH GRAVEL, orangeish brown, dry to moist, dense, fine to coarse gravel, and black shiny material (ash)	
					No recovery	3.2
8					SILTY SAND WITH GRAVEL, brown to orangeish brown, dry to moist, dense, low plasticity, fine sand, interbedded black shiny material	
		75				4.3
					No recovery	
10						

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BORING B1016

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B1016-SUB-10-12 (PCBs 0.07705 mg/kg)		SILTY SAND WITH GRAVEL, orange, dry to moist, dense, low plasticity, fine to coarse gravel	7.8
12		100	SSHS-B1016-SUB-12-14		SANDY LEAN CLAY, dark gray, wet, high plasticity WELL GRADED GRAVEL, dark gray, wet, loose, fine to coarse gravel, fines have high plasticity CLAYEY GRAVEL WITH SAND, orangeish brown, moist, fine to coarse gravel, with clay, and fine to coarse sand	4.3
14					Bottom of borehole at 14.0 feet.	

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BORING B1017

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/24/18 **COMPLETED** 4/24/18
NORTHING 753843.937 ft **EASTING** 762625.961 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED SAND WITH GRAVEL, light tannish brown, dry to moist, medium dense, fine to coarse gravel, little black shiny material (ash)	3.2
2		81			Dark brown	
						4.8
					No recovery	
4					SILTY GRAVEL WITH SAND, dark brown, moist, medium dense, wood and black shiny material	
						6.6
6		50			No recovery	
						1.9
8					WELL GRADED SAND, dark brown, moist, medium dense, medium plasticity, red brick	
					SILTY GRAVEL WITH SAND, dark brown, moist, medium dense, wood and black shiny material	
		67	SSHS-B1017-SUB-8-10 (PCBs 1.351 mg/kg)			5
					No recovery	
10						

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BORING B1017

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B1017-SUB-10-12 (PCBs 2.851 mg/kg)		SILTY GRAVEL WITH SAND, dark brown, moist, medium dense, low plasticity, slag material	8.2
					No recovery	
12		54	SSHS-B1017-SUB-12-14		SILTY GRAVEL WITH SAND, dark brown, moist, medium plasticity, fine to coarse sand, red brick, black shiny material, wood	5
					No recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B1026

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/24/18 **COMPLETED** 4/24/18
NORTHING 753791.256 ft **EASTING** 762648.082 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					WELL GRADED SAND WITH GRAVEL, brown, dry to moist, fine to coarse gravel	5.8
					SANDY SILT, brown, moist, stiff, trace fine gravel, and black shiny material (ash)	
2		79				
					No recovery	5.1
4					WELL GRADED GRAVEL WITH SILT AND SAND, dark brown, dry to moist, low plasticity, black shiny material, brick, concrete	4.1
6		60			SILTY SAND WITH GRAVEL, dark brown, moist, dense, low plasticity, fine gravel	
					No recovery	1.5
8					WELL GRADED GRAVEL WITH SAND, dark brown, dry to moist, loose, fine gravel, with fine to coarse sand	
					CLAYEY GRAVEL WITH SAND, dark brown, moist, dense, medium plasticity, fine to coarse gravel, with clay, and fine to coarse sand, some dark black foreign material	1.6
10					No recovery	

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		48				7.1
12		75	SSHS-B1026-SUB-12-14		SILTY GRAVEL, dark brown, moist, medium dense, fine to coarse gravel SANDY SILT, dark black, moist to wet, medium dense, non plastic, fine sand, appears stained, shells, organic materials No recovery	3.9
14		50	SSHS-B1026-SUB-14-16 (PCBs 33.56 mg/kg)		SANDY SILT, dark black, moist to wet, medium dense, coarse gravel No recovery	6.1

Refusal at 15.5 feet.
Bottom of borehole at 15.5 feet.

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BORING B1014

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/25/18 **COMPLETED** 4/25/18
NORTHING 753828.5114 ft **EASTING** 762577.7566 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Moist, loose, Asphalt	
					SILTY GRAVEL WITH SAND, orangeish tan, dry to moist, medium dense, non plastic, fine gravel	3.2
2		69			WELL GRADED GRAVEL WITH SILT AND SAND, dark brown, medium plasticity, fine to coarse gravel, with clay, and fine to coarse sand, red brick and wood present	
					No recovery	1.8
4		79	SSHS-B1014-4-6		WELL GRADED SAND WITH SILT AND GRAVEL, yellowish tan to dark orangeish brown, dry to moist, low plasticity, fine to coarse gravel, brick, wood, and staining	4.7
					No recovery	
6		67	SSHS-B1014-6-8		WELL GRADED GRAVEL WITH SILT AND SAND, dark tannish brown, wet, dense, low plasticity, fine to coarse gravel, with silt, and fine to coarse sand, soil appears stained	1.5
8		100	SSHS-B1014-8-10		WELL GRADED GRAVEL WITH SILT AND SAND, dark tannish brown, wet, very dense, fine to coarse gravel, with silt, and fine to coarse sand, red brick, appears lightly stained	0.9
10						

Refusal at 10.0 feet.
Bottom of borehole at 10.0 feet.

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BORING B1015

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/25/18 **COMPLETED** 4/25/18
NORTHING 753840.095 ft **EASTING** 762595.497 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Dark gray, moist, loose, Asphalt	
					SILTY GRAVEL WITH SAND, light tan brown, dry, medium dense, low plasticity, fine to medium gravel, with silt, and fine to coarse sand, some staining and red brick	3.2
2		92			CLAYEY SAND WITH GRAVEL, dark brown, moist, low plasticity, fine to coarse sand, with silt, and fine to medium gravel, black staining	3.1
					No recovery	
4					CLAYEY SAND WITH GRAVEL, dark brown, moist, low plasticity, fine to coarse sand, with silt, and fine to medium gravel, black staining, abundant sand size ash material	3.4
6		92			Tan to dark grayish brown, dry to moist, dense	
					Concrete (Hit refusal at approximately 8 ft, stepped off)	3.3
					No recovery	
8					CLAYEY SAND WITH GRAVEL, dark brown, moist, dense, fine to coarse sand, with clay, and fine gravel, some small red brick fragments	
					SILTY GRAVEL WITH SAND, dark brown, moist, dense, some staining, red brick	3.9
10						

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BORING B1015

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100			Yellow brick SILTY SAND WITH GRAVEL, dark brown to black, moist to wet, dense, non plastic, coarse sand, red brick	2.9
12					FAT CLAY, gray, stiff, high plasticity Gray, loose, old concrete	
		100	SSHS-B1015-SUB-12-14 (PCBs 0.8129 mg/kg)		WELL GRADED GRAVEL WITH SILT AND SAND, tan brown, dry to moist, dense, non plastic, fine to coarse gravel, with silt, and fine to coarse sand, hydrocarbon odor	2.9
14					WELL GRADED GRAVEL WITH SILT AND SAND, dark grayish brown, wet, loose, fine to coarse gravel, with silt, and fine to coarse sand	
		100	SSHS-B1015-SUB-14-16		Light brown	3
16					Bottom of borehole at 16.0 feet.	

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BORING B1024

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/25/18 **COMPLETED** 4/25/18
NORTHING 753809.567 ft **EASTING** 762526.17 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	SSHS-B1024-SUB-0-2		Dry, loose, Asphalt	6.6
					WELL GRADED SAND WITH GRAVEL, brown to grayish brown, moist, fine to coarse gravel, some red brick	
					No recovery	
2		100	SSHS-B1024-SUB-2-4 (PCBs 0.8669 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, dark brown to black, appears stained	4.1
					SILTY SAND WITH GRAVEL, tannish brown, dry to moist, dense, fine to coarse gravel	
					SILTY SAND WITH GRAVEL, dark brown, dry to moist, dense, coarse gravel, red brick	
4					Bottom of borehole at 4.0 feet.	

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BORING B1018

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/24/18 **COMPLETED** 4/26/18
NORTHING 753818.575 ft **EASTING** 762637.367 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt	
					CLAYEY SAND WITH GRAVEL, dark brown, moist, stiff, fine to coarse sand, with clay, and coarse gravel, (primarily fine sand)	5.2
2		67			No recovery	5.2
4					CLAYEY SAND WITH GRAVEL, dark brown, moist, stiff, fine to coarse sand, with clay, and coarse gravel, (primarily fine sand)	8.4
6		54			No recovery	5.6
8					WELL GRADED GRAVEL WITH SAND, brown, dry, loose	
		75			SANDY LEAN CLAY WITH GRAVEL, brown, moist, stiff, clay, with fine to coarse sand, and coarse gravel	3.7
10					No recovery	

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BORING B1018

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					CLAYEY GRAVEL, brown, moist, stiff, medium plasticity, coarse gravel, with clay, and black shiny material (ash)	
		46	SSHS-B1018-SUB-10-12 (PCBs 2.143 mg/kg)		No recovery	6.4
12					WELL GRADED GRAVEL WITH SILT AND SAND, brown, wet, loose	
		54	SSHS-B1018-SUB-12-14		Light gray, concrete No recovery (Hit refusal at 15.5 ft)	6.5
14					Bottom of borehole at 14.0 feet.	

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BORING B1020

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/26/18 **COMPLETED** 4/26/18
NORTHING 753657.619 ft **EASTING** 762609.575 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown to dark brown, moist, stiff, non plastic, with roots	
					WELL GRADED SAND WITH SILT AND GRAVEL, tan brown, dry to moist, medium dense, fine to coarse sand, with silt, and coarse gravel	0
2		63			WELL GRADED SAND WITH SILT AND GRAVEL, dark brown to black, dry to moist, medium dense, fine to coarse sand, with silt, and coarse gravel, appears stained	
					No recovery	3.7
4					WELL GRADED SAND WITH SILT AND GRAVEL, dark brown to black, dry to moist, medium dense, fine to coarse sand, with silt, some black shiny material (ash)	
					SANDY SILT WITH GRAVEL, SAND, dark greenish gray, moist, dense, non plastic, some sand, and fine to coarse gravel, some local staining and red brick	6.9
6		58			No recovery	3
8					SILTY SAND WITH GRAVEL, dark brown to black, dry to moist, fine to coarse gravel, with black shiny material (ash), locally stained	
		100	SSHS-B101-SUB-8-10		Crushed concrete SILTY GRAVEL, light tan to dark brown, fine to coarse grained, dry to moist, non plastic	3.8
10					Bottom of borehole at 10.0 feet.	

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BORING B1023-b

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 4/26/18 **COMPLETED** 4/26/18
NORTHING 753848.128 ft **EASTING** 762589.378 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Drilled blind to 12 ft	
2		0				
4						
6		0				
8						
10						

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BORING B1023-b

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		0				
12		96	SSHS-B1023b-SUB-12-14 (PCBs 5.034 mg/kg)		WELL GRADED SAND WITH SILT AND GRAVEL, light to dark brown, moist, medium dense, coarse gravel, staining and broken glass, with yellow and red brick	
					WELL GRADED SAND WITH SILT AND GRAVEL, light to dark brown, moist, medium dense, coarse gravel, abundant red brick	21.6
14					No recovery	
					Bottom of borehole at 14.0 feet.	

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BORING B1025

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/26/18 **COMPLETED** 4/26/18
NORTHING 753739.916 ft **EASTING** 762576.471 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Wood, organic material SILT, dark brown, stiff, non plastic, hydrocarbon odor, with roots present	
					WELL GRADED SAND WITH GRAVEL, brown, dry to moist, medium dense, fine to coarse gravel	2.5
2		81			WELL GRADED SAND WITH CLAY AND GRAVEL, dark brown, moist, coarse gravel, slight hydrocarbon odor	
						1.8
					No recovery	
4					WELL GRADED SAND WITH GRAVEL, brown, moist, medium dense, medium to coarse sand, with fine to coarse gravel	
						3.2
6		75			Wood WELL GRADED SAND WITH SILT AND GRAVEL, dark gray brown, moist, non plastic, some crushed red brick WELL GRADED SAND WITH GRAVEL, light gray to dark gray, moist, very dense, non plastic, appears ashy, like old pavement	
					WELL GRADED SAND WITH SILT AND GRAVEL, dark gray brown, moist, wood present, hydrocarbon odor No recovery	6
8					SILT WITH SAND, gray brown, moist, stiff, non plastic, fine to coarse sand	
					WELL GRADED SAND WITH GRAVEL, brown to dark brown, dry to moist, loose, non plastic, fine gravel	
					SILTY SAND WITH GRAVEL, dark brown to black, moist, fine gravel, red brick, some black staining	3.9
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:31 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B1025

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		69			Light gray, pulverized concrete	
					SILTY SAND WITH GRAVEL, dark brown to black, moist, fine gravel, red brick, some black staining	
					No recovery	4.1
12					SILTY SAND WITH GRAVEL, dark gray brown, moist, medium dense	
		100			SILTY GRAVEL WITH SAND, gray, dry, loose, local staining	2.6
					WELL GRADED SAND WITH CLAY AND GRAVEL, yellow brown, moist to wet, medium dense, fine to coarse gravel	
14					WELL GRADED GRAVEL WITH SAND, brown, saturated, loose, coarse sand	
			SSHS-B1025-SUB-14-16 (PCBs 0.4065 mg/kg)			
		54			No recovery	1.5
16					Bottom of borehole at 16.0 feet.	

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BORING B1055

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/22/18 **COMPLETED** 5/22/18
NORTHING 754638.901 ft **EASTING** 762163.568 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD Grab Sample
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY A. Ranna **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100			Brown, moist, loose, trace roots, some organics Bottom of borehole at 0.2 feet.	

12.8

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BORING B1056

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/22/18 **COMPLETED** 5/22/18
NORTHING 754527.529 ft **EASTING** 762205.673 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD Grab Sample
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY A. Ranna **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100			Brown, moist, soft, trace roots, trace organics	
					Bottom of borehole at 0.2 feet.	

11.6

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BORING B1057

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/22/18 **COMPLETED** 5/22/18
NORTHING 754417.955 ft **EASTING** 762252.053 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD Grab Sample
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY A. Ranna **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100			Brown, moist, soft, trace roots, some organics	
					Bottom of borehole at 0.2 feet.	

12.9

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BORING B1058

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/22/18 **COMPLETED** 5/22/18
NORTHING 754419.17 ft **EASTING** 762248.018 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD Grab Sample
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY A. Ranna **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100			Brown to dark brown, moist, soft to medium dense, trace roots, some organics Bottom of borehole at 0.2 feet.	

12.8

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BORING B1059

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/22/18 **COMPLETED** 5/22/18
NORTHING 754416.179 ft **EASTING** 762245.898 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD Grab Sample
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY A. Ranna **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100			Brown to dark brown, moist, soft to medium soft, trace roots, some organics Bottom of borehole at 0.2 feet.	

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BORING B1063

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/16/18 **COMPLETED** 6/16/18
NORTHING 753792.7697 ft **EASTING** 762529.8779 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B1063-SUB-0-2		Loose to medium dense, WELL GRADED GRAVEL, few rock fragments, few fine to medium sand, coarse grained, moist, brown	4.3
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B1189

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/16/18 **COMPLETED** 6/16/18
NORTHING 753862.0668 ft **EASTING** 762641.3818 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Excavated	
2.5		SSHS-B1189-SUB-4-6		Loose, WELL GRADED SAND WITH GRAVEL, few cobbles, fine to coarse grained, moist, dark brown	1.5
5.0				Refusal at 5.0 feet. Bottom of borehole at 5.0 feet.	
7.5					

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BORING B1189B

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/16/18 **COMPLETED** 6/16/18
NORTHING 753862.0668 ft **EASTING** 762641.3818 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Soft, SILT, some roots, moist, brown, topsoil	
				Soft, WELL GRADED SAND WITH SILT AND GRAVEL, fine grained, moist, brown	
		SSHS-B1189B-SUB-0-2		Loose, WELL GRADED GRAVEL WITH SILT AND SAND, trace rock fragments, fine to coarse grained, moist, brown	3.2
				Refusal at 1.5 feet. Bottom of borehole at 1.5 feet.	
2.5					
5.0					
7.5					

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BORING B1193

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/16/18 **COMPLETED** 6/16/18
NORTHING 753781.2721 ft **EASTING** 762685.3519 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B1193-SUB-0-2		Loose, WELL GRADED GRAVEL WITH SAND, few cobbles, few silt, fine to coarse grained, moist to wet	0
				Refusal at 1.3 feet. Bottom of borehole at 1.3 feet.	
2.5					
5.0					
7.5					

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BORING B1196

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/16/18 **COMPLETED** 6/16/18
NORTHING 753878.8164 ft **EASTING** 762671.5368 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B1196-SUB-0-2		Loose, WELL GRADED SAND WITH SILT AND GRAVEL, trace rock fragments, fine to coarse grained, moist, brown blackish brown	2.2
				Loose, WELL GRADED GRAVEL WITH SAND, trace rock fragments, moist, dark brown	
				Refusal at 1.8 feet. Bottom of borehole at 1.8 feet.	
2.5					
5.0					
7.5					

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BORING B1190

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/16/18 **COMPLETED** 6/19/18
NORTHING 753850.1454 ft **EASTING** 762609.5491 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
				Loose, WELL GRADED GRAVEL WITH SAND, some rock fragments, dry to moist, brown	
		SSHS-B1190-SUB-0-2		Becomes loose to medium dense, moist	3.5
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B1191

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/19/18 **COMPLETED** 6/19/18
NORTHING 753838.217 ft **EASTING** 762613.7604 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Asphalt
		SSHS-B1191-SUB-0-2		Loose to medium dense, WELL GRADED GRAVEL WITH SAND, few rock fragments, few fine to medium sand, coarse grained, moist, dark brown, few red brick pieces
				Refusal at 1.8 feet. Bottom of borehole at 1.8 feet.
2.5				
5.0				
7.5				

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BORING B1194b

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/23/18 **COMPLETED** 6/23/18
NORTHING 753826.2936 ft **EASTING** 762710.8265 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B1194B-SUB-0-2		Loose, WELL GRADED SAND WITH GRAVEL, fine to coarse grained, moist	0
				Refusal at 1.3 feet. Bottom of borehole at 1.3 feet.	
2.5					
5.0					
7.5					

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BORING B1068b

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/24/18 **COMPLETED** 6/24/18
NORTHING 753678.9061 ft **EASTING** 762704.8491 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B1068b-SUB-0-2		Loose, WELL GRADED SAND WITH GRAVEL, with coarse gravel, few cobbles, fine to coarse grained, moist, brown black	0
				Refusal at 1.5 feet. Bottom of borehole at 1.5 feet.	
2.5					
5.0					
7.5					

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BORING B1070

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/24/18 **COMPLETED** 6/24/18
NORTHING 753640.1645 ft **EASTING** 762632.4485 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B1070-SUB-0-2		Loose, WELL GRADED SAND, and fine to coarse gravel, few gravel, trace silt, fine to coarse grained, dry to moist, dark brown	0
				Refusal at 1.3 feet. Bottom of borehole at 1.3 feet.	
2.5					
5.0					
7.5					

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BORING B1073

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/24/18 **COMPLETED** 6/24/18
NORTHING 753792.9219 ft **EASTING** 762537.1444 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Excavated	
2.5		SSHS-B1073-SUB-2-4		Loose, WELL GRADED SAND WITH GRAVEL, some cobbles, few silt, moist, dark gray, slight indeterminate odor	1.9
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B1064b

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/23/18 **COMPLETED** 6/26/18
NORTHING 753618.7794 ft **EASTING** 762595.0501 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B1064b-SUB-0-2		Loose, WELL GRADED GRAVEL, with fine to coarse sand, few cobbles, fine to coarse grained, moist	0
				Refusal at 1.3 feet. Bottom of borehole at 1.3 feet.	
2.5					
5.0					
7.5					

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BORING B1071

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/23/18 **COMPLETED** 6/26/18
NORTHING 753764.6525 ft **EASTING** 762547.9639 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B1071-SUB-0-2		Loose, WELL GRADED SAND WITH GRAVEL, fine to coarse grained, moist	0
				Refusal at 1.4 feet. Bottom of borehole at 1.4 feet.	
2.5					
5.0					
7.5					

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BORING B1069

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/26/18 **COMPLETED** 6/26/18
NORTHING 753642.0645 ft **EASTING** 762668.3732 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B1069-SUB-0-2		Loose, WELL GRADED GRAVEL, with fine sand, few cobbles, moist	1.7
				Refusal at 1.1 feet. Bottom of borehole at 1.1 feet.	
2.5					
5.0					
7.5					

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BORING B1192

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/26/18 **COMPLETED** 6/26/18
NORTHING 753811.8146 ft **EASTING** 762668.4279 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Asphalt	
		SSHS-B1192-SUB-0-2		Loose, WELL GRADED GRAVEL, with fine sand, few cobbles, fine to coarse grained, moist	0.7
				Refusal at 1.1 feet. Bottom of borehole at 1.1 feet.	
2.5					
5.0					
7.5					

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BORING B1195

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/26/18 **COMPLETED** 6/26/18
NORTHING 753610.8251 ft **EASTING** 762631.9956 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B1195-SUB-0-2		SILT, with gravel, few cobbles, moist, brown	2.2
				Refusal at 1.3 feet. Bottom of borehole at 1.3 feet.	
2.5					
5.0					
7.5					

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BORING B1212

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/26/18 **COMPLETED** 6/26/18
NORTHING 753836.2156 ft **EASTING** 762597.4453 ft
DRILLER Geosyntec
GROUND ELEVATION --- **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION ---
SAMPLING METHOD Hand Auger
UTILITY CONTRACTOR ---
RIG TYPE Hand Auger
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Excavated	
2.5				Loose, SILT, with gravel, moist, dark gray, trace red brick	
5.0		SSHS-B1212-SUB-4-6			0.2
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B1084

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/28/18 **COMPLETED** 6/28/18
NORTHING 753822.5385 ft **EASTING** 762554.9426 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5					
5.0					
7.5		SSHS-B1084-SUB-8-10		Medium soft, SILT, and gravel, moist, brown	31.2
				No Recovery	

Bottom of borehole at 10.0 feet.

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BORING B1229

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/28/18 **COMPLETED** 6/28/18
NORTHING 753828.4161 ft **EASTING** 762610.0047 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	
				Drilled blind		0.0
2.5		SSHS-B1229-SUB-2-4		Medium dense, SILT, some gravel, moist, brownish tan	6.5	2.5
				No Recovery		
				Bottom of borehole at 4.0 feet.		
5.0						
7.5						

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BORING B1234

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/28/18 **COMPLETED** 6/28/18
NORTHING 753797.7977 ft **EASTING** 762549.8662 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0		SSHS-B1234-SUB-4-6		Dense, GRAVELLY SILT, moist, blackish brown	7.9
				Drilled blind	
7.5					
		SSHS-B1234-SUB-8-10		Dense, GRAVELLY SILT, moist, blackish brown	99.7
				No recovery	

Bottom of borehole at 10.0 feet.

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BORING B1064

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753618.7794 ft **EASTING** 762595.0501 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5				Medium dense, SILT, some gravel, moist, brown	
5.0		SSHS-B1064-SUB-4-6			28.2
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B1074

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753645.279 ft **EASTING** 762568.1338 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5		SSHS-B1074-SUB-2-4		Medium dense, SILT, and gravel, moist, brown	3.7
				No Recovery	
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B1076

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753790.1213 ft **EASTING** 762682.6671 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5		SSHS-B1076-SUB-2-4		Medium dense, SILT, some gravel, moist, brown	3.6
				Becomes black	
				No Recovery	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B1080B

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753812.7119 ft **EASTING** 762542.837 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Drilled Blind
2.5				
5.0				
		SSHS-B1080B-SUB-6-8		Medium dense, SILT, some gravel, few black shiny material (ash), moist, dark brown
7.5				Bottom of borehole at 8.0 feet.

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BORING B1088

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753833.507 ft **EASTING** 762563.3536 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5					
5.0					
		SSHS-B1088-SUB-6-8		Medium dense, SILT, with black shiny material (ash), some gravel, moist, brown	5.9
7.5				No Recovery	
				Drilled Blind	

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Refusal at 10.0 feet.
Bottom of borehole at 10.0 feet.

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BORING B1109

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753686.5785 ft **EASTING** 762572.0935 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5					
5.0					
7.5		SSHS-B1109-SUB-8-10		Shiny black material, moist, loose	17

Bottom of borehole at 10.0 feet.

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BORING B1194

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753826.2936 ft **EASTING** 762710.8265 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5		SSHS-B1194-SUB-4-6		Medium dense, SILT, and gravel, moist, brown	3.5
5.0				Medium dense, SANDY SILT, moist, dark brown	
				No Recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B1202

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753700.9039 ft **EASTING** 762536.5204 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5		SSHS-B1202-SUB-2-4		Dense, SILT, moist, light brown Becomes some gravel, dark brown Becomes reddish brown	2.4
				No Recovery	
5.0		SSHS-B1202-SUB-4-6		Dense, SILT, moist, light brown, few brick No recovery	6.8
7.5				Bottom of borehole at 6.0 feet.	

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BORING B1214

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753740.3039 ft **EASTING** 762558.8149 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0		SSHS-B1214-SUB-4-6		Medium dense, SILT, some gravel, trace black shiny material (ash), moist, brown	2.6
				Drilled Blind	
7.5					

Refusal at 10.0 feet.
Bottom of borehole at 10.0 feet.

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BORING B1216

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753709.1699 ft **EASTING** 762546.0245 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5		SSHS-B1216-SUB-4-6		Medium dense, SILT, some gravel, moist, brown	
5.0				Becomes some black shiny material (ash), dark brown	12.6
				Loose, POORLY GRADED GRAVEL, coarse grained, dry, gray	
				No recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B1231

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753816.1226 ft **EASTING** 762694.4796 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5		SSHS-B1231-SUB-4-6		Medium soft, SILT, and gravel, moist, light brown	0.2
5.0				No recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B1232

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753802.8981 ft **EASTING** 762677.906 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
		SSHS-B1232-SUB-4-6		Medium dense, SILT, with gravel, moist, light brown	6.5
5.0				No recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B1242

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753699.8542 ft **EASTING** 762548.8278 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0				Loose, POORLY GRADED GRAVEL, dry	
		SSHS-B1242-SUB-6-8		Fine moist shiny black material	1.8
7.5					
				Bottom of borehole at 8.0 feet.	

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BORING B1243

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/29/18 **COMPLETED** 6/29/18
NORTHING 753673.8451 ft **EASTING** 762557.6224 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0					
		SSHS-B1243-SUB-6-8		Medium dense, SILT, some gravel, moist, brown	7.2
				No recovery	
7.5				Bottom of borehole at 8.0 feet.	

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BORING B1077

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/30/18 **COMPLETED** 6/30/18
NORTHING 753783.0616 ft **EASTING** 762716.9605 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)	
				Drilled Blind		0.0
2.5		SSHS-B1077-SUB-2-4		Medium dense, SILT, some gravel, moist, dark brown	1.2	2.5
				No Recovery		
				Bottom of borehole at 4.0 feet.		
5.0						
7.5						

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BORING B1079

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/30/18 **COMPLETED** 6/30/18
NORTHING 753726.2631 ft **EASTING** 762722.8819 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5				Medium dense, SILT, some gravel, trace black shiny material (ash), moist, brown, trace red brick	
5.0		SSHS-B1079-SUB-4-6			9.7
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B1105

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/30/18 **COMPLETED** 6/30/18
NORTHING 753748.114 ft **EASTING** 762719.3716 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5				Medium dense, SILT, and gravel, moist, dark gray, some wood	
5.0		SSHS-B1105-SUB-4-6		Becomes brown	5.7
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B1160

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/30/18 **COMPLETED** 6/30/18
NORTHING 753770.9621 ft **EASTING** 762713.974 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0					
7.5					

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BORING B1160

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B1160-SUB-10-12		Medium dense, SILT, some cobbles, moist, dark brown	58.6
				No recovery	
10.0				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B1203

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/30/18 **COMPLETED** 6/30/18
NORTHING 753758.4003 ft **EASTING** 762694.6539 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5		SSHS-B1203-SUB-2-4		Medium dense, SILT, moist, black, some red brick	1.8
				No recovery	
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B1215

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/30/18 **COMPLETED** 6/30/18
NORTHING 753713.9055 ft **EASTING** 762570.6484 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5				Medium dense, SILT, some gravel, moist	
5.0		SSHS-B1215-SUB-4-6			2.8
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B1221

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/30/18 **COMPLETED** 6/30/18
NORTHING 753700.8134 ft **EASTING** 762576.6306 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0					
		SSHS-B1221-SUB-6-8		Medium dense, GRAVELLY SILT, some fine sand, moist, brown	28.1
7.5				No recovery	

Bottom of borehole at 8.0 feet.

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BORING B1230

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 6/30/18 **COMPLETED** 6/30/18
NORTHING 753810.6943 ft **EASTING** 762617.4583 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5		SSHS-B1230-SUB-2-4		Medium dense, SILT, some gravel, moist, brown	
				Red brick with moist brown silt, loose	1.1
				No recovery	
				Drilled blind	
5.0					
7.5					
				Refusal at 9.0 feet. Bottom of borehole at 9.0 feet.	

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BORING B1068

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/1/18 **COMPLETED** 7/1/18
NORTHING 753678.9061 ft **EASTING** 762704.8491 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5				Medium dense, SILT, with gravel, moist, brown	
5.0		SSHS-B1068-SUB-4-6		Loose, POORLY GRADED SAND, dry, black	20.3
				No Recovery	
				Drilled Blind	
7.5					

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BORING B1068

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Medium soft, SILT, with gravel, moist, dark brown	
		SSHS-B1068-SUB-10-12		Becomes medium dense, light brown	8.1
10.0				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B1204

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/1/18 **COMPLETED** 7/1/18
NORTHING 753717.5505 ft **EASTING** 762727.109 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5		SSHS-B1204-SUB-2-4		Medium dense, SILT, with gravel, moist, brown	9
5.0				Drilled blind	
7.5				Refusal at 9.0 feet. Bottom of borehole at 9.0 feet.	

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BORING B1219

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/1/18 **COMPLETED** 7/1/18
NORTHING 753679.9983 ft **EASTING** 762763.1193 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0		SSHS-B1219-SUB-4-6		Loose, POORLY GRADED SAND, some gravel, fine grained, dry, black	1.9
				Medium dense, SILT, some gravel, moist, brown	
				Drilled blind	
7.5					

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BORING B1219

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Loose, POORLY GRADED GRAVEL, coarse grained, dry	
		SSHS-B1219-SUB-10-12		Medium dense, SILT, few gravel, moist, tan	0.8
				No recovery	
10.0				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B1224

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/1/18 **COMPLETED** 7/1/18
NORTHING 753718.022 ft **EASTING** 762738.7362 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0					
		SSHS-B1224-SUB-6-8		Medium dense, SILT, some gravel, trace black shiny material (ash), moist, brown, medium plasticity	2.2
7.5				Loose, GRAVELLY SILT, dry, black brown	
		SSHS-B1224-SUB-8-10		Becomes brown	8.1

Bottom of borehole at 10.0 feet.

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BORING B1244

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/1/18 **COMPLETED** 7/1/18
NORTHING 753619.6012 ft **EASTING** 762656.6574 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0				Medium dense, SILT, and gravel, moist, brown	
7.5		SSHS-B1244-SUB-6-8			1.2
				No recovery	

Bottom of borehole at 8.0 feet.

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BORING B1251

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/1/18 **COMPLETED** 7/1/18
NORTHING 753651.8892 ft **EASTING** 762687.4462 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0					
7.5					

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BORING B1251

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B1251-SUB-10-12		Medium dense, SILT, some gravel, moist, reddish tan	3.1
				No recovery	
				Bottom of borehole at 12.0 feet.	

10.0

12.5

15.0

17.5

20.0

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BORING B1252

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/1/18 **COMPLETED** 7/1/18
NORTHING 753628.2979 ft **EASTING** 762671.6911 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0					
7.5					

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BORING B1252

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B1252-SUB-10-12		Medium dense, SILT, some gravel, moist	1.3
				No recovery	
				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B1254

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/1/18 **COMPLETED** 7/1/18
NORTHING 753647.4298 ft **EASTING** 762667.9365 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0					
7.5					

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BORING B1254

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B1254-SUB-10-12		Medium dense, SILT, some gravel, moist, dark brown	1.8
12.5		SSHS-B1254-SUB-12-14		Becomes light brown	2.2
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B1220

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/2/18 **COMPLETED** 7/2/18
NORTHING 753768.6689 ft **EASTING** 762560.5019 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Drilled blind
2.5				
5.0				
		SSHS-B1220-SUB-6-8		Medium dense, SILT, and gravel, moist
7.5				No recovery
				Bottom of borehole at 8.0 feet.

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BORING B1233

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/2/18 **COMPLETED** 7/2/18
NORTHING 753824.4968 ft **EASTING** 762655.1903 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0		SSHS-B1233-SUB-4-6		Medium dense, SILT, moist, brown, some red brick	2.1
				No recovery	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B1104

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/5/18 **COMPLETED** 7/5/18
NORTHING 753732.9065 ft **EASTING** 762597.5569 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Open excavation	
2.5					
5.0		SSHS-B1104-SUB-4-6		SILTY SAND, with gravel, moist to wet, gray to greenish gray	0
				Drilled blind	
7.5					

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BORING B1104

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Drilled blind *(continued)*	
12.5		SSHS-B1104-SUB-12-14		WELL GRADED SAND WITH GRAVEL, some silt, moist to wet, grayish green	0.8
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

10.0

12.5

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BORING B1162

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/5/18 **COMPLETED** 7/5/18
NORTHING 753677.3689 ft **EASTING** 762650.7943 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Open excavation	
2.5				Drilled blind	
5.0					
7.5		SSHS-B1162-SUB-8-10		WELL GRADED SAND WITH GRAVEL Becomes black	0
				SILTY SAND WITH GRAVEL, orangeish brown	

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BORING B1162

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Bottom of borehole at 10.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B1198

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/5/18 **COMPLETED** 7/5/18
NORTHING 753761.8486 ft **EASTING** 762572.5824 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Open excavation	
				Drilled blind	
2.5					
5.0					
7.5				WELL GRADED SAND WITH GRAVEL, little silt, wet, black and brown, hydrocarbon odor	
		SSHS-B1198-SUB-8-10			0.7

DRAFT

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BORING B1198

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B1198-SUB-10-12		Becomes grayish black	0.4
				No recovery	
12.5		SSHS-B1198-SUB-12-14		Becomes brownish black, No silt noted	0.3
				No recovery	
				Bottom of borehole at 14.0 feet.	

10.0

12.5

15.0

17.5

20.0

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BORING B1205

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/5/18 **COMPLETED** 7/5/18
NORTHING 753721.8412 ft **EASTING** 762636.3388 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Open excavation
2.5		SSHS-B1205-SUB-2-4		WELL GRADED SAND WITH GRAVEL, dry, black
				Drilled blind
5.0				
7.5				

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BORING B1205

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
				Drilled blind *(continued)*
10.0				
				SILTY SAND WITH GRAVEL, wet, brownish black to greenish brown
12.5		SSHS-B1205-SUB-12-14		
12.5				
				Bottom of borehole at 14.0 feet.
15.0				
17.5				
20.0				

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BORING B1076b

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753790.1213 ft **EASTING** 762682.6671 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5					
5.0		SSHS-B1076b-SUB-4-6		WELL GRADED SAND WITH GRAVEL, brown black	0
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B1081

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753743.0793 ft **EASTING** 762671.9541 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Open excavation	
				Drilled blind	
2.5					
5.0					
		SSHS-B1081-SUB-6-8		WELL GRADED SAND WITH GRAVEL, dark brownish black	0
7.5				Bottom of borehole at 8.0 feet.	

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BORING B1086

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753695.9193 ft **EASTING** 762645.7272 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Open excavation	
				Drilled blind	
2.5					
5.0					
7.5					

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BORING B1086

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B1086-SUB-10-12		WELL GRADED SAND WITH GRAVEL, wet, dark brown	0
10.0				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B1091

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753777.0073 ft **EASTING** 762633.0315 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Open excavation	
				Drilled blind	
2.5					
5.0					
7.5					

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BORING B1091

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Drilled blind *(continued)*	
12.5					
15.0		SSHS-B1091-SUB-14-16		WELL GRADED SAND WITH GRAVEL, wet, brown gray	1.1
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B1092

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753804.129 ft **EASTING** 762643.4631 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Open excavation	
				Drilled blind	
2.5					
5.0					
7.5					

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BORING B1092

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Drilled blind *(continued)*	
12.5					
		SSHS-B1092-SUB-14-16		WELL GRADED SAND WITH GRAVEL, little silt, wet, brown	0
15.0				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

10.0 12.5 15.0

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BORING B1093

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753793.5901 ft **EASTING** 762662.1597 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Open excavation
				Drilled blind
2.5				
5.0				
7.5				

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BORING B1093

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
10.0				Drilled blind *(continued)*
12.5				
		SSHS-B1093-SUB-14-16		WELL GRADED SAND WITH GRAVEL, little silt, wet, brown
15.0				Bottom of borehole at 16.0 feet.
17.5				
20.0				

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BORING B1094

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753774.9561 ft **EASTING** 762654.2567 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Open excavation	
				Drilled blind	
2.5					
5.0					
7.5					

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BORING B1094

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Drilled blind *(continued)*	
12.5					
		SSHS-B1094-SUB-14-16		WELL GRADED SAND WITH GRAVEL, little silt, wet	0
15.0				No recovery	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

10.0

12.5

15.0

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BORING B1122

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753753.7689 ft **EASTING** 762658.4162 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Open excavation	
				Drilled blind	
2.5					
5.0					
7.5					

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BORING B1122

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B1122-SUB-10-12		WELL GRADED SAND WITH GRAVEL, orangeish brown	0.7
				Bottom of borehole at 12.0 feet.	

10.0

12.5

15.0

17.5

20.0

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BORING B1158

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753714.5546 ft **EASTING** 762755.9595 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Open excavation	
				Drilled blind	
2.5					
5.0					
7.5				WELL GRADED SAND, black	
		SSHS-B1158-SUB-8-10		WELL GRADED SAND WITH GRAVEL, moist	0.3

Bottom of borehole at 10.0 feet.

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BORING B1193b

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753781.2721 ft **EASTING** 762685.3519 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5					
5.0		SSHS-B1193b-SUB-4-6		WELL GRADED SAND WITH GRAVEL, brown	1.1
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B1203b

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753758.4003 ft **EASTING** 762694.6539 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled blind	
2.5				WELL GRADED SAND, black	
				WELL GRADED SAND WITH GRAVEL, gray	
5.0		SSHS-B1203b-SUB-4-6			5.5
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B1228

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753765.6779 ft **EASTING** 762677.9744 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Open excavation	
2.5		SSHS-B1228-SUB-2-4		SILTY SAND, orangeish brown, some brown gravelly sand	0
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B1247

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753766.92 ft **EASTING** 762599.3259 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Drilled Blind	
2.5					
5.0					
7.5					

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BORING B1247

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B1247-SUB-10-12		WELL GRADED SAND WITH GRAVEL, brown to dark gray	0.5
				Bottom of borehole at 12.0 feet.	

10.0

12.5

15.0

17.5

20.0

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BORING B1249

CLIENT Unisys
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 7/6/18 **COMPLETED** 7/6/18
NORTHING 753766.8082 ft **EASTING** 762625.058 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** R. Enriquez
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Open excavation	
				Drilled blind	
2.5					
5.0					
7.5					

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BORING B1249

CLIENT Unisys **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B1249-SUB-10-12		WELL GRADED SAND WITH GRAVEL, some silt, dry to moist, brown	0.5
10.0				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B2230

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/23/18 **COMPLETED** 7/23/18
NORTHING 754362.21 ft **EASTING** 762198.33 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	SSHS-B2230-SUB-0.17-2		SILTY SAND, dark brown to black, medium dense to dense, low plasticity, some gravel, grading to sandy clay	0.3
2		121	SSHS-B2230-SUB-2-4		No Recovery SILTY SAND, black to dark brown, wet, loose, with gravel, and construction debris, some clay	0.9
4		75	SSHS-B2230-SUB-4-6		GRAVEL, light gray No Recovery SILTY SAND, dark brown to black, wet, with gravel Moist No Recovery	1.3
6		100	SSHS-B2221-SUB-6-8		SILTY SAND, black, moist Dry to moist	0.8
8		100	SSHS-B2230-SUB-8-10		SILTY SAND, black to light brown, moist SANDY CLAY, black to light brown, moist	0.8
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:32 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B2230

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B2230-SUB-10-12		SILTY SAND, reddish brown, moist, with fine to coarse gravel	0.3
12		67	SSHS-B2230-SUB-12-14		SILTY SAND, reddish brown with blackish brown, moist, with fine to coarse gravel	1.5
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2231

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/23/18 **COMPLETED** 7/23/18
NORTHING 754391.38 ft **EASTING** 762187.13 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	SSHS-B2231-SUB-0.17-2		SILTY SAND, brown to light gray, some organics, some clay, Topsoil	
					SANDY CLAY, brown, moist, dense, with gravel, some black shiny material (ash)	0.2
					No Recovery	
2		71	SSHS-B2231-SUB-2-4		SANDY CLAY, brown, moist, dense, with gravel, some black shiny material (ash)	
					SILTY SAND, dark brown to black, dense, with gravel, and construction debris	0
					No Recovery	
4		100	SSHS-B2231-SUB-4-6		SILTY SAND, dark gray to black, moist, loose, with gravel, some rock fragments, trace construction debris, hydrocarbon odor	7
6		50	SSHS-B2231-SUB-6-8		SILTY SAND, black, medium to coarse grained, moist, trace clay, trace coarse gravel	
					Construction debris	1.7
					No Recovery	
8		58	SSHS-B2231-SUB-8-10		SILTY SAND, black, medium grained, moist, loose, with construction debris	
					SILTY SAND, brown to light brown, fine to medium grained, moist, loose, with coarse gravel	1.5
					No Recovery	
10						

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BORING B2231

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		67	SSHS-B2231-SUB-10-12		SILTY SAND, brown to light brown, fine to medium grained, moist, loose, with coarse gravel	3
					No Recovery	
12		67	SSHS-B2231-SUB-12-14		SILTY SAND, brown to light brown, fine to medium grained, moist, loose, with coarse gravel	0
					SILTY SAND, gray, medium grained, wet	
14					No Recovery	

Bottom of borehole at 14.0 feet.

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BORING B2234

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/23/18 **COMPLETED** 7/23/18
NORTHING 754402.74 ft **EASTING** 762158.39 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		58	SSHS-B2234-SUB-0.17-2		CLAYEY SILT, brown, dense to medium dense, some organics, silty, grades to silty clay, more gravel at base	1.4
					No Recovery	
2		67	SSHS-B2234-SUB-2-4		SILTY SAND, brown to gray, poorly graded, medium to coarse grained, moist, loose to medium dense, with gravel with rock fragments, some clay, brick/glassy debris	1
					No Recovery	
4		67	SSHS-B2234-SUB-4-6		SILTY SAND, black, with black shiny material (ash), some gravel	0.7
					Construction debris	
					SANDY CLAY, brown, low plasticity, with gravel, some black shiny material (ash), some construction debris	
					No Recovery	
6		83	SSHS-B2234-SUB-6-8		Black shiny material (ash)	0.2
					SILTY CLAY, black to light brown, dry to moist, very dense to dense, gravel	
					No Recovery	
8		67	SSHS-B2234-SUB-8-10		SILTY CLAY, black to light brown, dry to moist, very dense to dense, gravel	0.3
					Black shiny material (ash)	
					SILTY SAND, brown, well graded, fine grained, medium dense to loose, with coarse gravel	
					No Recovery	
10						

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BORING B2234

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND, brown, well graded, fine grained, medium dense to loose, with coarse gravel	
					Black shiny material (ash)	
			SSHS-B2234-SUB-10-12		SILTY SAND, brown, well graded, fine grained, medium dense to loose, with coarse gravel	0.4
		67				
					No Recovery	
12					Black to grayish black, black shiny material (ash), with gravel, some medium sand	
			SSHS-B2234-SUB-12-14			27.7
		67				
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2235

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/23/18 **COMPLETED** 7/23/18
NORTHING 754347.85 ft **EASTING** 762175.59 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	SSHS-B2235-SUB-0.17-2		SILTY SAND, brown, medium to coarse grained, moist, dense, with gravel, some construction debris, topsoil	1.6
					SANDY CLAY, with gravel with rock fragments	
					No Recovery	
2		67	SSHS-B2235-SUB-2-4		SILTY SAND, light brown, poorly graded, medium to coarse grained, moist, medium stiff to loose	
					SILTY SAND, dark brown, poorly graded, medium to coarse grained, moist, loose, with gravel, and construction debris	1.3
					SANDY CLAY, medium soft to medium stiff, low plasticity, sand is coarse	
					No Recovery	
4		75	SSHS-B2232-SUB-4-6		SILTY SAND, light brown to brown, with medium to coarse sand, and coarse gravel, and construction debris	1.4
					SANDY CLAY, medium soft to medium stiff, low plasticity	
					No Recovery	
6		79	SSHS-B2232-SUB-6-8		SILTY SAND, light brown to brown, with medium to coarse sand, and coarse gravel, and construction debris	
					SANDY CLAY, light brown, low plasticity	0.6
					CLAY, with construction debris, and coarse gravel, some sand	
					No Recovery	
8		75	SSHS-B2232-SUB-8-10		SILTY SAND, brown to light brown, poorly graded, medium to coarse grained, moist, loose, with gravel, and construction debris	
					SANDY CLAY, light brown, moist, dense, low plasticity	
					SILTY SAND, brown to light brown, poorly graded, medium to coarse grained, moist, loose, with gravel, and construction debris	0.9
					No Recovery	
10						

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BORING B2235

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		50	SSHS-B2232-SUB-10-12		SILTY SAND, light brown, medium to coarse grained, moist to wet, with clay, and gravel, some black shiny material (ash), some brick	1.4
					No Recovery	
12		58	SSHS-B2232-SUB-12-14		SILTY SAND, light brown, medium to coarse grained, moist to wet, with clay, and gravel, some black shiny material (ash), some brick	0.7
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2238

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/23/18 **COMPLETED** 7/23/18
NORTHING 754240.26 ft **EASTING** 762209.72 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	SSHS-B2238-SUB-0.17-2		SILTY SAND, brown, well graded, dry to moist, loose to dense, with fine to coarse gravel, and fine to medium sand, organic topsoil at surface	0.2
					No Recovery	
2		100	SSHS-B2238-SUB-2-4		SILTY SAND, brown to light brown, moist to wet, loose to dense, with gravel with rock fragments, plastic and metal debris present	0.5
4		100	SSHS-B2238-SUB-4-6		SILTY SAND, brown to black, medium to coarse grained, dry, loose to dense, mottled, with gravel with rock fragments, some construction debris, plastic metal and glass debris	0.3
6		100	SSHS-B2238-SUB-6-8		SILTY SAND, brown to black, medium to coarse grained, dry, loose to dense, with gravel with rock fragments, some construction debris, plastic metal and glass debris	2.2
8		100	SSHS-B2238-SUB-8-10		SILTY SAND, dark gray to brown, medium to coarse grained, moist, loose, with gravel with rock fragments, some construction debris, some glassy debris	
					SILTY SAND, dark brown to black, medium to coarse grained, dry, loose, with gravel, and construction debris, some glassy debris	0.4
10						

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BORING B2238

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B2238-SUB-10-12		SILTY SAND, dark gray to brown, medium to coarse grained, wet, loose, with gravel with rock fragments, some construction debris, abundant glassy debris	0.5
					SAND, light brown, wet to dry, loose to very dense, some black shiny material (ash)	
12					No Recovery	
		100	SSHS-B2238-SUB-12-14		SILTY SAND, light gray to light brown, medium to coarse grained, moist to wet, dense, with gravel, some clay, very friable	0.9
14					Bottom of borehole at 14.0 feet.	

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BORING B2239

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/23/18 **COMPLETED** 7/23/18
NORTHING 754200.72 ft **EASTING** 762153.62 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	SSHS-B2239-SUB-0.17-2		SILTY CLAY, dark brown to brown, dry to moist, some rock fragments, some organics, grades to silty sand	10
					No Recovery	
2		100	SSHS-B2239-SUB-2-4		SILTY SAND, brown, dry, loose to stiff, some gravel with rock fragments, some construction debris	
					Black	10
4		90	SSHS-B2239-SUB-4-6		SILTY SAND, black, moist, loose to soft, some gravel with rock fragments	10
					Brown	
					No Recovery	
6		67	SSHS-B2239-SUB-6-8		SILTY SAND, black to dark brown, wet to moist, loose to soft, with rock fragments	10
					Brown to light brown	
					No Recovery	
8		71	SSHS-B2239-SUB-8-10		SILTY SAND, dark brown to light brown, wet, loose, with gravel, some rock fragments	10
					No Recovery	
10						

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BORING B2239

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		71	SSHS-B2239-SUB-10-12		SILTY SAND, brown, wet, loose, with gravel, some rock fragments	10
					No Recovery	
12		92	SSHS-B2239-SUB-12-14		SILTY SAND, brown, wet, loose, with gravel	10
14					No Recovery	
					Bottom of borehole at 14.0 feet.	

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BORING B2240

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/23/18 **COMPLETED** 7/23/18
NORTHING 754257.85 ft **EASTING** 762138.44 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	SSHS-B2240-SUB-0.17-2		SILT, brown, dry to moist, some clay, some organics, some rock fragments	10
2		108	SSHS-B2240-SUB-2-4		SILTY SAND, brown, dry, loose, with gravel, some rock fragments Black	10
4		100	SSHS-B2240-SUB-4-6		SILTY SAND, brown, dry, loose to stiff, some gravel, trace clay, some rock fragments Black Brown	10
6		88	SSHS-B2240-SUB-6-8		SILTY CLAY, dark brown with black, dry, loose to soft, with rock fragments	10
8		67	SSHS-B2240-SUB-8-10		No Recovery SILTY SAND, dark brown with black, dry, loose to soft, with gravel, trace clay, some rock fragments No Recovery	10
10						

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BORING B2240

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B2240-SUB-10-12		SILTY SAND, brown, dry, loose to soft, with gravel with rock fragments	10
12					No Recovery	
		83	SSHS-B2240-SUB-12-14		SILTY SAND, brown, dry, loose to soft, some rock fragments, some sand	10
14					No Recovery	
					Bottom of borehole at 14.0 feet.	

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BORING B2241

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/23/18 **COMPLETED** 7/23/18
NORTHING 754313.45 ft **EASTING** 762116.51 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	SSHS-B2241-SUB-0.17-2		SILTY CLAY, brown, dry, loose to soft, and gravel with rock fragments, trace sand, trace organics	10
2		92	SSHS-B2241-SUB-2-4		No Recovery SILTY CLAY, brown with black, dry, loose to stiff, with gravel with rock fragments	10
4		100	SSHS-B2241-SUB-4-6		No Recovery SILTY CLAY, brown with black, dry to moist, loose, with gravel with rock fragments	10
6		92	SSHS-B2241-SUB-6-8		SILTY CLAY, brown with red, wet to dry, loose, and gravel	10
8		83	SSHS-B2241-SUB-8-10		SILTY CLAY, brown, wet to dry, and gravel with rock fragments	10
10					No Recovery	

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BORING B2241

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		83	SSHS-B2241-SUB-10-12		SILTY CLAY, brown, wet to dry, and gravel with rock fragments	10
					No Recovery	
12		67	SSHS-B2241-SUB-12-14		SILTY CLAY, brown, wet to dry, loose, and gravel with rock fragments	10
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2242

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/23/18 **COMPLETED** 7/23/18
NORTHING 754239.17 ft **EASTING** 762084.86 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	SSHS-B2242-SUB-0.17-2		SILTY CLAY, brown, moist to dry, loose to soft, some organic material at surface	
					SILTY CLAY, brown, moist to dry, loose to soft, some gravel	10
					No Recovery	
2		104	SSHS-B2242-SUB-2-4		SILTY SAND, brown, dry, some gravel with rock fragments	
					Black	10
4		108	SSHS-B2242-SUB-4-6		SILTY SAND, brown, dry, loose, with rock fragments	
					Black	
					Gray	10
6		92	SSHS-B2242-SUB-6-8		SILTY SAND, black with brown, dry, with rock fragments, some gravel	10
					No Recovery	
8		71	SSHS-B2242-SUB-8-10		SILTY CLAY, black, dry, soft to medium stiff, some rock fragments	
					Brown, some organic matter at bottom	10
					No Recovery	
10						

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BORING B2242

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B2242-SUB-10-12		SILTY SAND, gray, dry, some gravel with rock fragments Brown	10
12		92	SSHS-B2242-SUB-12-14		SILTY CLAY, gray, dry to moist, soft, some sand, some rock fragments Brown	10
14					No Recovery Bottom of borehole at 14.0 feet.	

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BORING B2243

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/23/18 **COMPLETED** 7/23/18
NORTHING 754183.07 ft **EASTING** 762106.45 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2243-SUB-0.17-2		SILT, brown, dry, loose, with rock fragments, some sand, some organics	10
2		100	SSHS-B2243-SUB-2-4		SILTY SAND, black, dry, loose, some clay, some gravel with rock fragments Brown	10
4		104	SSHS-B2243-SUB-4-6		SILTY SAND, black and brown, dry, loose, with rock fragments Gray Red Black and gray	10
6		83	SSHS-B2243-SUB-6-8		SILTY SAND, red, dry, some gravel with rock fragments, some organics Gray to black	10
8		67	SSHS-B2243-SUB-8-10		No Recovery SAND, gray to tan, dry, with rock fragments, some gravel, trace construction debris No Recovery	10
10						

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BORING B2243

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		67	SSHS-B2243-SUB-10-12		SILTY SAND, dry to moist, loose, with gravel with rock fragments	10
					No Recovery	
12		100	SSHS-B2243-SUB-12-14		SILTY SAND, gray to brown, dry, loose, with rock fragments, some gravel	10
14					Bottom of borehole at 14.0 feet.	

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BORING B2244

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/23/18 **COMPLETED** 7/23/18
NORTHING 754274.35 ft **EASTING** 762087.73 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2244-SUB-0.17-2		SILTY SAND, dark brown to brown, dry, loose, with gravel, some organics	10
2		88	SSHS-B2244-SUB-2-4		Brown SILTY SAND, dark brown, moist to dry, loose, with gravel Light brown to tan No Recovery	10
4		83	SSHS-B2244-SUB-4-6		SILTY SAND, brown, dry, loose, hydrocarbon odor, hydrocarbon staining, ash/charcoal in core Black Gray to brown No Recovery	10
6		88	SSHS-B2244-SUB-6-8		SILTY CLAY, brown, moist, loose, low plasticity, some gravel, hydrocarbon odor, hydrocarbon staining Dark gray to black Brown No Recovery	10
8		83	SSHS-B2244-SUB-8-10		SILTY CLAY, brown to gray, dry to wet, loose, some gravel with rock fragments Brown No Recovery	10
10						

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BORING B2244

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		58	SSHS-B2244-SUB-10-12		CLAY, brown, wet to moist, loose, with rock fragments, some sand	10
					No Recovery	
12		100	SSHS-B2244-SUB-12-14		SILTY SAND, dark brown to brown, wet to moist, loose, with rock fragments, some clay, some gravel	10
14					Bottom of borehole at 14.0 feet.	

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BORING B2185

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754595.12 ft **EASTING** 762009.02 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2185-SUB-0.17-2		SILTY CLAY, black, dry, loose, with gravel with rock fragments, Aspphalt near surface	
					Brown and black	10
2		67	SSHS-B2185-SUB-2-4		SILTY GRAVEL, dark brown to brown, dry, with rock fragments, some construction debris	10
					No Recovery	
4		88	SSHS-B2185-SUB-4-6		SILTY GRAVEL, dark reddish brown with black, dry to moist, with rock fragments, some construction debris	10
					No Recovery	
6		75	SSHS-B2185-SUB-6-8		SILTY GRAVEL, light brown to dark brown, wet to moist, loose, some rock fragments, trace construction debris	10
					No Recovery	
8		88	SSHS-B2185-SUB-8-10		SAND, brown with black, wet to dry, loose, with gravel with rock fragments, some rock fragments, some construction debris	
					Tannish brown with red	10
10					No Recovery	

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BORING B2185

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		83	SSHS-B2185-SUB-10-12		SILTY SAND, brown, moist, loose, with gravel, some rock fragments	10
					No Recovery	
12		100	SSHS-B2185-SUB-12-14		SILTY GRAVEL, brown, moist to wet, trace clay, some rock fragments	10
14					Bottom of borehole at 14.0 feet.	

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BORING B2186

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754541.02 ft **EASTING** 762039.41 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
			SSHS-B2186-SUB-0.17-2		CLAYEY SAND, brown to black, medium to coarse grained, moist, dense, some coarse gravel	0
		50			No Recovery	
2					CLAYEY SAND, brown to black, medium to coarse grained, moist, dense, mottled, some coarse gravel	
		92	SSHS-B2186-SUB-2-4			0
					SILTY GRAVEL, gray, with clay	
4					No Recovery CLAYEY SAND, brown to black, medium to coarse grained, moist to wet, dense, some coarse gravel	
			SSHS-B2186-SUB-4-6		SILTY SAND, brown, poorly graded, medium grained, loose to dense, with clay, and coarse gravel, some construction debris	0.8
		71			No Recovery	
6					SILTY SAND, dark brown, well graded, subangular, moist, loose, with medium to coarse sand, and coarse gravel	
			SSHS-B2186-SUB-6-8			1.5
		58			No Recovery	
8					SILTY SAND, dark brown, well graded, subangular, moist to wet, loose, with medium to coarse sand, and coarse gravel	
			SSHS-B2186-SUB-8-10			1.2
		54			No Recovery	
10						

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BORING B2186

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND, dark brown, well graded, subangular, moist, loose, with medium to coarse sand, and coarse gravel	
			SSHS-B2186-SUB-10-12		Wet	1.6
		50			No Recovery	
12			Repeated refusal at 2'. Maximum depth achieved before refusal is 12'.		Bottom of borehole at 12.0 feet.	

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BORING B2187

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754575.44 ft **EASTING** 761952.01 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		83	SSHS-B2187-SUB-0.17-2		SILTY CLAY, brown, with gravel, some rock fragments	10
2					No Recovery	
		104	SSHS-B2187-SUB-2-4		SILTY CLAY, brown, dry, loose, with gravel, some rock fragments, some construction debris	10
4					No Recovery	
		71	SSHS-B2187-SUB-4-6		SILTY SAND, brown, dry, loose, with gravel, some rock fragments, trace sand	10
					No Recovery	
6					SILTY SAND, brown, dry, loose, with gravel, some rock fragments, trace clay	
		83	SSHS-B2187-SUB-6-8			10
					No Recovery	
8					SILTY SAND, brown to light brown, dry, loose, with gravel, some rock fragments, trace construction debris	
		100	SSHS-B2187-SUB-8-10			10
10						

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BORING B2187

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B2187-SUB-10-12		SILTY SAND, brown to light brown, dry, loose, with gravel, No Recovery	10
12		100	SSHS-B2187-SUB-12-14		SILTY SAND, brown, dry, with gravel, some rock fragments, trace clay	10
14					Bottom of borehole at 14.0 feet.	

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BORING B2188

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754512.27 ft **EASTING** 761981.19 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					SILTY CLAY, black, dry to moist, loose, with gravel with rock fragments	
					Brown	
		100	SSHS-B2188-SUB-0.17-2			10
2					SILTY CLAY, brown and black, dry, loose, with gravel, some rock fragments, some construction debris	
					Tan and gray	
		100	SSHS-B2188-SUB-2-4			10
					Black and reddish black	
4					SILTY CLAY, brown and black, dry, loose, some rock fragments, trace construction debris	
		100	SSHS-B2188-SUB-4-6			10
6					SILTY CLAY, black, dry, loose, with gravel, some organics, wood pieces	
			SSHS-B2188-SUB-6-8			10
		58			No Recovery	
8					SILTY CLAY, brown, dry, with gravel with rock fragments, trace sand	
		108	SSHS-B2188-SUB-8-10			10
10						

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BORING B2188

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B2188-SUB-10-12		SILTY SAND, brown, dry to moist, loose, with gravel, some rock fragments, trace clay	10
					No Recovery	
12		92	SSHS-B2188-SUB-12-14		SILTY SAND, gray, dry, loose, with gravel, some rock fragments	10
14					Brown Bottom of borehole at 14.0 feet.	

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BORING B2189

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754448.24 ft **EASTING** 761999.36 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		100	SSHS-B2189-SUB-0.17-2		SILTY CLAY, black, dry, loose, with gravel with rock fragments, some sand Brown	10
2		100	SSHS-B2189-SUB-2-4		SILTY GRAVEL, dark brown to black, dry, loose to stiff, with rock fragments, some clay, some sand Brown and tan	10
4		104	SSHS-B2189-SUB-4-6		SILTY CLAY, dark brown with black, dry, stiff to soft, with rock fragments, trace sand	10
6		104	SSHS-B2189-SUB-6-8		SILTY CLAY, dark brown and black, dry, loose, with gravel with rock fragments, trace sand	10
8		108	SSHS-B2189-SUB-8-10		SILTY CLAY, black, dry, loose, with gravel with rock fragments, some sand Brown	10
10						

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BORING B2189

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B2189-SUB-10-12		SILTY SAND, black, dry, loose, with rock fragments Brown	10
12		96	SSHS-B2189-SUB-12-14		SILTY SAND, brown, moist, loose, with clay, few rock fragments	10
14					No Recovery Bottom of borehole at 14.0 feet.	

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BORING B2191

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754349.44 ft **EASTING** 762034.92 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					SILTY CLAY, black, dry, stiff, with gravel with rock fragments	
		104	SSHS-B2191-SUB-0.17-2		Brown	10
2					SILTY CLAY, brown to dark brown, moist, stiff, some gravel, some construction debris	
		83	SSHS-B2191-SUB-2-4			10
					No Recovery	
4					SILTY CLAY, brown to dark brown, moist to wet, soft, some gravel with rock fragments, some construction debris	
		83	SSHS-B2191-SUB-4-6			10
					No Recovery	
6					SILTY CLAY, dark brown with black, moist, loose to stiff, with gravel with rock fragments	
		96	SSHS-B2191-SUB-6-8			10
8					No Recovery	
					SILTY CLAY, gray to brown, dry, loose to stiff, with gravel with rock fragments	
		100	SSHS-B2191-SUB-8-10			10
10						

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BORING B2191

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		88	SSHS-B2191-SUB-10-12		SILTY CLAY, gray to brown, moist to dry, loose, with gravel with rock fragments, some sand, trace construction debris	10
12					No Recovery	
		100	SSHS-B2191-SUB-12-14		SILTY CLAY, brown, moist, soft, some rock fragments, some sand	10
14					Bottom of borehole at 14.0 feet.	

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BORING B2196

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754490.89 ft **EASTING** 762056.1 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, brown, moist	
			SSHS-B2110-SUB-0.17-2		SILTY CLAY, dark brown, wet	0.7
		50			No Recovery	
2			Repeated refusal at 2'.		Bottom of borehole at 2.0 feet.	

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BORING B2197

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754430.29 ft **EASTING** 762079.8 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					CLAYEY SAND, dark brown, moist, loose, with gravel	
			SSHS-B2197-SUB-0.17-2			0
		75			GRAVELLY, tan, construction debris	
					SILTY SAND, gray, poorly graded, medium grained, wet	
					No Recovery	
2					SILTY SAND, gray to brown, wet, trace chert, some gravel	
					SANDY CLAY, dark brown to light brown, dry, dense to very dense, low plasticity	
		129	SSHS-B2197-SUB-2-4			0
4					SANDY CLAY, dark brown to light brown, dry, dense to very dense, low plasticity	
					CLAYEY SAND, dark brown, medium to coarse grained, moist to dry, loose, some gravel, some construction debris, grades to silty sand at base	
		92	SSHS-B2197-SUB-4-6			0
6					No Recovery	
					SILTY SAND, brown to dark brown, moist to wet, loose, some gravel, construction debris	
		83	SSHS-B2197-SUB-6-8			0
					SANDY CLAY, with sand	
					No Recovery	
8					SILTY SAND, dark brown, poorly graded, medium grained, wet, loose, some gravel	
		58	SSHS-B2197-SUB-8-10			0
					No Recovery	
10						

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BORING B2197

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND, dark brown, poorly graded, medium grained, wet, loose, some gravel	
		67	SSHS-B2197-SUB-10-12		SILTY GRAVEL, dark brown to brown, coarse grained, wet, loose, some sand	0
					No Recovery	
12					SILTY SAND, brown, wet, loose, some coarse gravel, gravel is angular	
		83	SSHS-B2197-SUB-12-14		Gray, hydrocarbon odor	90
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2198

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754368.37 ft **EASTING** 762095.16 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	SSHS-B2198-SUB-0.17-2		SILTY CLAY, gray with black, dry, stiff, with gravel, some rock fragments	10
2		100	SSHS-B2198-SUB-2-4		No Recovery SILTY CLAY, black, wet to dry, loose to stiff, some gravel with rock fragments, some construction debris	10
4		92	SSHS-B2198-SUB-4-6		Brown and tan SILTY CLAY, brown, dry, stiff to loose, some gravel with rock fragments Black Brown	10
6		104	SSHS-B2198-SUB-6-8		No Recovery SILTY CLAY, brown, wet to dry, loose to soft, some sand, some rock fragments	10
8		104	SSHS-B2198-SUB-8-10		SILTY CLAY, brown, wet to dry, loose to soft, some sand, some rock fragments	10
10						

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BORING B2198

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		63	SSHS-B2198-SUB-10-12		SILTY CLAY, brown, wet to dry, loose to soft, some sand, some rock fragments	10
					No Recovery	
12		58	SSHS-B2198-SUB-12-14		SILTY CLAY, brown, wet to dry, loose to soft, some sand, some rock fragments	10
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2221

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754518.69 ft **EASTING** 762306.96 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	SSHS-B2221-SUB-0.17-2		SILTY CLAY, brown, dense, low plasticity, some gravel, Topsoil	
					SILTY SAND, black, medium to coarse grained, moist, with gravel, and construction debris	0
					GRAVEL, gray, construction debris	
					No Recovery	
2		67	SSHS-B2221-SUB-2-4		Construction debris, large brick chunk	
					SANDY GRAVEL, brown to dark grayish brown, poorly graded, medium to coarse grained, moist, dense to loose, with gravel, some construction debris	0.6
					No Recovery	
4		96	SSHS-B2221-SUB-4-6		CLAYEY SAND, dark brown, poorly graded, medium to coarse grained, moist, dense, with gravel	
					CLAYEY SAND, dark brown, poorly graded, medium to coarse grained, moist, dense, with gravel, and rock fragments	2.4
6		79	SSHS-B2221-SUB-6-8		No Recovery	
					CLAYEY SAND, dark brown, poorly graded, medium to coarse grained, moist, dense, with gravel, and rock fragments, less clay,more silt at base	0.6
					No Recovery	
8		71	SSHS-B2221-SUB-8-10		SILTY GRAVEL, brown, well graded, fine to coarse grained, moist, loose, with sand, angular to rounded gravel	0.8
					No Recovery	
10						

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BORING B2221

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		63	SSHS-B2221-SUB-10-12		SILTY GRAVEL, brown, well graded, fine to coarse grained, moist, loose, with sand, some clay, with construction debris, angular gravel	1.5
					No Recovery	
12		100	SSHS-B2221-SUB-12-14		SILTY GRAVEL, brown, well graded, fine to coarse grained, moist, loose, with sand, more sand at base	0.6
14					Bottom of borehole at 14.0 feet.	

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BORING B2225

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754490.28 ft **EASTING** 762239.53 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Chase **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Grass	
					SILTY CLAY, brown to dark brown, dense	
		79	SSHS-B2225-SUB-0.17-2		Poorly graded, loose	0
					No Recovery	
2					SILTY CLAY, dark brown	
		100	SSHS-B2225-SUB-2-4			0.3
					SANDY CLAY, dark brown	
4					SILTY CLAY, dark brown, moist, loose	
		67	SSHS-B2225-SUB-4-6		SANDY CLAY, light reddish brown, dry, loose	1
					No Recovery	
6			Repeated refusal at 6'.		Bottom of borehole at 6.0 feet.	

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BORING B2232

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754469.07 ft **EASTING** 762184.17 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	SSHS-B2232-SUB-0.17-2		SILTY CLAY, brown, moist, dense, low plasticity, some organics	
					CLAYEY SAND, dark brown, medium grained, with coarse gravel, with construction debris, little coal	0
					No Recovery	
2		67	SSHS-B2232-SUB-2-4		CLAYEY SAND, dark brown, medium grained, with coarse gravel, with construction debris, little coal, angular gravel	0
					No Recovery	
4		75	SSHS-B2232-SUB-4-6		SILTY SAND, black, moist, loose, some gravel, some construction debris	
					SANDY CLAY, brown, dense, some fine gravel, gravel is angular, grades to clayey sand.	0.4
					SANDY CLAY, black with brown, dense to medium dense, mottled, low plasticity, with gravel	
					No Recovery	
6		75	SSHS-B2232-SUB-6-8		SANDY CLAY, black with brown, dense to medium dense, mottled, low plasticity, with gravel	
					CLAYEY SAND, brown to light brown, poorly graded, medium to coarse grained, moist, dense to loose, with gravel, construction debris	0.6
					No Recovery	
8		75	SSHS-B2232-SUB-8-10		SILTY SAND, brown, well graded, medium to coarse grained, moist, loose, with gravel, gravel is rounded	0.4
10						

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BORING B2232

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND, brown, well graded, medium to coarse grained, moist, loose, with gravel, gravel is rounded, wet at base	
			SSHS-B2232-SUB-10-12		GRAVEL, gravel is angular	0.7
		63			SILTY SAND, brown, well graded, medium to coarse grained, moist, loose, with gravel, gravel is rounded	
					No Recovery	
12					SILTY SAND, brown, well graded, medium to coarse grained, moist, loose, with gravel, gravel is rounded	
					CLAYEY SAND, dark brown to black, medium grained, loose to dense, with gravel	
			SSHS-B2232-SUB-12-14		SILTY SAND, grayish brown, well graded, medium to coarse grained, moist, loose, with gravel, gravel is rounded	1.2
		71			No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2233

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754424.27 ft **EASTING** 762116.08 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B2233-SUB-0.17-2		SANDY CLAY, brown, dense, low to medium plasticity, some gravel	
					CLAYEY SAND, dark brown, poorly graded, medium to coarse grained, moist, some black shiny material (ash), some gravel, gravel is angular	0
					No Recovery	
2		100	SSHS-B2233-SUB-2-4		CLAYEY SAND, dark brown, poorly graded, medium to coarse grained, moist, some black shiny material (ash), some gravel, gravel is angular	
					SILTY CLAY, dark brown to light brown, dry to moist, dense to very dense, low to medium plasticity, some gravel, some sand	0.6
4		100	SSHS-B2233-SUB-4-6		SILTY CLAY, dark brown to light brown, dry to moist, dense to very dense, low to medium plasticity, some gravel, some sand	
					SILTY SAND, brown, medium to coarse grained, loose, some coarse gravel, gravel is angular and rounded	0
6		71	SSHS-B2233-SUB-6-8		CLAYEY SAND, dark brown, poorly graded, medium grained, moist, loose, some gravel	
					SILTY SAND, light brown, some gravel, and construction debris	0
					No Recovery	
8		71	SSHS-B2233-SUB-8-10		SILTY SAND, brown to dark brown, poorly graded, medium grained, wet to moist, some gravel with rock fragments, gravel is angular	0.5
					No Recovery	
10						

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BORING B2233

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		71	SSHS-B2233-SUB-10-12		SILTY SAND, brown to dark brown, poorly graded, medium grained, wet to moist, some gravel with rock fragments, gravel is angular	0
					No Recovery	
12		75	SSHS-B2233-SUB-12-14		SILTY SAND, brown to dark brown, poorly graded, medium grained, wet to moist, some gravel with rock fragments, gravel is angular	0
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2245

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/24/18 **COMPLETED** 7/24/18
NORTHING 754531.13 ft **EASTING** 762349.07 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		63	SSHS-B2245-SUB-0.17-2		CLAYEY GRAVEL, brown to dark brown, subangular, loose to dense, low plasticity, with medium to coarse gravel, some medium to coarse sand	
					SAND, black, coarse grained	
					CLAYEY GRAVEL, brown to dark brown, loose to dense, low plasticity, with medium to coarse gravel, some medium to coarse sand	0
					No Recovery	
2		100	SSHS-B2245-SUB-2-4		CLAYEY GRAVEL, brown to dark brown, loose to dense, low plasticity, with medium to coarse gravel, some medium to coarse sand, with construction debris	
					GRAVEL, gray, well graded	0
					CLAYEY GRAVEL, brown to dark brown, loose to dense, low plasticity, with medium to coarse gravel, some medium to coarse sand, with construction debris	
4		100	SSHS-B2245-SUB-4-6		SILTY SAND, brown, poorly graded, medium to coarse grained, dry, loose, with fine gravel	0.9
6		100	SSHS-B2245-SUB-6-8		SILTY SAND, brown, medium to coarse grained, with fine gravel	0.7
8		100	SSHS-B2245-SUB-8-10		SILTY SAND, brown, poorly graded, medium to coarse grained, dry, loose, with gravel, some clay	0.7
10						

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BORING B2245

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B2245-SUB-10-12		SILTY SAND, brown, poorly graded, medium to coarse grained, dry, loose, with gravel, some clay, gravel is angular to subrounded	0.1
12		100	SSHS-B2245-SUB-12-14		SILTY SAND, brown, poorly graded, medium to coarse grained, dry, loose, with gravel, some clay, gravel is angular to subrounded	0.7
14					Bottom of borehole at 14.0 feet.	

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BORING B2052

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/25/18 **COMPLETED** 7/25/18
NORTHING 754683.22 ft **EASTING** 762232.21 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		63	SSHS-B2052-SUB-0.17-2		SILTY CLAY, brown, moist, dense, some sand, Topsoil	0
					CLAYEY SAND, brown, poorly graded, medium grained, moist, dense, and gravel, gravel is angular No Recovery	
2		96	SSHS-B2052-SUB-2-4		Red, construction debris, brick SILTY CLAY, black to dark brown, moist, loose, some gravel	0.8
4		117	SSHS-B2052-SUB-4-6		No Recovery CLAYEY SAND, black, medium to coarse grained, some gravel, and construction debris, black shiny material (ash), hydrocarbon odor	8.2
6		83	SSHS-B2052-SUB-6-8		CLAYEY SAND, black, medium to coarse grained, some gravel, and construction debris, black shiny material (ash), hydrocarbon odor	0
8					No Recovery	

Bottom of borehole at 8.0 feet.

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BORING B2053

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/25/18 **COMPLETED** 7/25/18
NORTHING 754631.9 ft **EASTING** 762272.43 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B2053-SUB-0.17-2		SILTY CLAY, dark brown, dense, low plasticity, some sand, and gravel, construction debris, topsoil at surface	0
					SILTY GRAVEL, gray, dry, some sand	
					No Recovery	
2		71	SSHS-B2053-SUB-2-4		SILTY SAND, gray, well graded, coarse grained, moist to wet, some construction debris, some gravel, organic odor	
					CLAYEY SAND, dark brown, well graded, coarse grained, moist, dense to loose, some gravel, some construction debris	2.4
					No Recovery	
4		100	SSHS-B2053-SUB-4-6		CLAYEY SAND, dark brown, well graded, coarse grained, wet to saturated, dense to loose, some gravel, some construction debris	
					CLAYEY SAND, dark brown, well graded, coarse grained, moist, dense to loose, some gravel, some construction debris, some silt, less clayey	11.9
6		100	SSHS-B2053-SUB-6-8		CLAYEY SAND, dark brown, well graded, coarse grained, wet to saturated, dense to loose, some gravel, some construction debris	1.5
					SILTY SAND, brown, poorly graded, angular, medium to coarse grained, moist, some fine to coarse gravel	
8		100	SSHS-B2053-SUB-8-10		SILTY GRAVEL, dark brown, fine to coarse grained, saturated, loose, some coarse sand	
					SILTY CLAY, dark brown to light brown, dense, low plasticity, some gravel	9.7
					SILTY GRAVEL, brown, fine to coarse grained, wet, loose, some coarse sand	
10						

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BORING B2053

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B2053-SUB-10-12		SILTY GRAVEL, brown, fine to coarse grained, wet, loose, some coarse sand Brown, some construction debris	3.1
12		100	SSHS-B2053-SUB-12-14		SILTY GRAVEL, black, fine to coarse grained, wet, loose, some coarse sand Light gray to brown	1.6
14					Bottom of borehole at 14.0 feet.	

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BORING B2070

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/25/18 **COMPLETED** 7/25/18
NORTHING 754826.95 ft **EASTING** 762116.28 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		108	SSHS-B2070-SUB-0.17-2		Core not included in sample SILTY CLAY, brown, dry, soft, some gravel with rock fragments, some coarse sand, trace construction debris, some organic materials near surface	10
					Loose	
2		100	No Sample		SILTY SAND, brown, medium to coarse grained, dry, loose, with gravel with rock fragments, some construction debris Brown with red	
					Brown	10
4		88	SSHS-B2070-SUB-4-6		SILTY SAND, brown, fine to medium grained, dry, loose, with gravel with rock fragments, few construction debris	10
					No Recovery	
6		100	SSHS-B2070-SUB-6-8		SILTY SAND, brown, fine to medium grained, moist, loose, some rock fragments, trace clay, trace construction debris	10
8		75	SSHS-B2070-SUB-8-10		SILTY GRAVEL, brown, coarse grained, dry, loose, some sand, some rock fragments, trace construction debris	10
					No Recovery	
10						

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BORING B2070

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		104	SSHS-B2070-SUB-10-12		SILTY GRAVEL, brown, coarse grained, dry, some sand, and clay, rock fragments	10
12		100	SSHS-B2070-SUB-12-14		SILTY SAND, brown, fine to coarse grained, moist, some rock fragments, trace clay, wet near bottom	10
14					Bottom of borehole at 14.0 feet.	

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BORING B2072

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/25/18 **COMPLETED** 7/25/18 **NORTHING** 754659.58 ft **EASTING** 762176.25 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B2072-SUB-0.17-2		Dense, SILTY CLAY, trace sand, gravel, moist to dry, brown, low plasticity, Topsoil at surface	<10
				Dense to very dense, SILTY SAND, with gravel, and black shiny material (ash), medium to coarse grained, dark brown to black, poorly graded, gravel is white	
				No Recovery	
2.5		SSHS-B2072-SUB-2-4		SILTY SAND, with construction debris, and construction debris, medium to coarse grained, black	
				Loose, SILTY GRAVEL, with sand, fine to coarse grained, greenish brown to brown, well graded, angular	1
				No Recovery	
		SSHS-B2072-SUB-4-6		Construction debris, wood pieces	
				Loose, CLAYEY SAND, with gravel, and construction debris, medium grained, moist, dark brown, poorly graded	1.4
5.0				No Recovery	
		SSHS-B2072-SUB-6-8		Loose, CLAYEY SAND, with gravel, and construction debris, medium grained, moist, dark brown, poorly graded	
				Dense to medium dense, SILTY CLAY, with sand, and gravel, light brown, low plasticity	1.8
7.5				No Recovery	
		SSHS-B2072-SUB-8-10		Dense to medium dense, SILTY CLAY, with sand, and gravel, light brown, low plasticity	<10
				Loose to dense, SILTY SAND, with gravel, medium grained, moist, light brown, poorly graded	
				No Recovery	

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BORING B2072

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B2072-SUB-10-12		Loose to dense, SILTY SAND, with gravel, medium grained, wet, light brown, poorly graded	1.8
				No Recovery	
12.5		SSHS-B2072-SUB-12-14		Loose to dense, SILTY SAND, with gravel, medium grained, wet, light brown, poorly graded	<10
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B2073

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/25/18 **COMPLETED** 7/25/18 **NORTHING** 754604.51 ft **EASTING** 762195.28 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY CLAY, some coal, moist, brown, low plasticity, Topsoil	
		SSHS-B2073-SUB-0.17-2		GRAVEL, light gray	0.1
				Loose to dense, CLAYEY SAND, with construction debris, with gravel, medium to coarse grained, moist, dark brown	
				No Recovery	
2.5		SSHS-B2073-SUB-2-4		Loose to dense, CLAYEY SAND, with construction debris, with gravel, medium to coarse grained, moist, dark brown	1.6
				Loose to dense, CLAYEY SAND, with construction debris, with gravel, some silt, medium to coarse grained, moist, dark brown	
5.0		SSHS-B2073-SUB-4-6			0
				Loose to dense, CLAYEY SAND, with construction debris, with gravel, few silt, medium to coarse grained, moist, dark brown, less clay, abundant debris	
		SSHS-B2073-SUB-6-8		Construction debris, medium to coarse grained, white	
				Loose to dense, CLAYEY SAND, with construction debris, with gravel, few silt, medium to coarse grained, moist, dark brown, less clay, abundant debris	6.1
				Construction debris, red	
7.5				Loose to dense, CLAYEY SAND, with construction debris, with gravel, few silt, medium to coarse grained, moist, dark brown, less clay, abundant debris	
				GRAVEL, blue gray	
				No Recovery	
		SSHS-B2073-SUB-8-10		Loose to dense, CLAYEY SAND, with construction debris, with gravel, few silt, medium to coarse grained, saturated, dark brown, abundant debris	
				Becomes moist, brown	3.9
				No Recovery	

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BORING B2073

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose to dense, CLAYEY SAND, with construction debris, with gravel, few silt, medium to coarse grained, saturated, brown, less clay, abundant debris	
		SSHS-B2073-SUB-10-12		SILTY CLAY, with sand, and gravel, moist, brown, medium plasticity	1.5
				Loose to dense, CLAYEY SAND, with construction debris, with gravel, few silt, medium to coarse grained, moist, brown, abundant debris	
				No Recovery	
12.5				Loose to dense, CLAYEY SAND, with construction debris, with gravel, few silt, medium to coarse grained, moist, brown with black, mottled, abundant debris, wet at base	
		SSHS-B2073-SUB-12-14			2.1
				No Recovery	
12.5					

Bottom of borehole at 14.0 feet.

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BORING B2089

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/25/18 **COMPLETED** 7/25/18
NORTHING 754807.46 ft **EASTING** 762053.01 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Core not sampled	
					SILTY CLAY, brown, fine to coarse grained, dry, with gravel, some sand, rock fragments	
					Brown with black	
		100	SSHS-B2089-SUB-0.17-2			10
					No Recovery	
2					SILTY CLAY, brown with black, dry to moist, with gravel, some rock fragments	
		88	SSHS-B2089-SUB-2-4		SILTY CLAY, brown, dry to moist, with gravel, some rock fragments, some fine sand	10
					SILTY CLAY, brown, dry to moist, with gravel, some rock fragments	
					No Recovery	
4					SILTY CLAY, brown with dark brown, coarse grained, moist, with gravel, some rock fragments, trace sand	
		88	SSHS-B2089-SUB-4-6			10
					No Recovery	
6					SILTY GRAVEL, brown, fine to coarse grained, moist, some sand, and clay, rock fragments	
		71	SSHS-B2089-SUB-6-8			10
					No Recovery	
8					SILTY GRAVEL, brown with tannish black, coarse grained, dry to moist, loose, some clay, and sand, rock fragments	
		92	SSHS-B2089-SUB-8-10			10
10					No Recovery	

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BORING B2089

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		104	SSHS-B2089-SUB-10-12		SILTY GRAVEL, brown with tannish black, coarse grained, moist, loose, some clay, and sand, rock fragments	10
12		88	SSHS-B2089-SUB-12-14		SILTY CLAY, brown, coarse grained, moist, loose, with gravel, some sand, rock fragments	10
14					No Recovery	

Bottom of borehole at 14.0 feet.

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BORING B2091

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/25/18 **COMPLETED** 7/25/18 **NORTHING** 754637.56 ft **EASTING** 762119.18 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY CLAY, some coal, moist, brown, low plasticity, Topsoil	
		SSHS-B2091-SUB-0.17-2		CLAYEY SAND, some gravel, and construction debris, some black shiny material (ash), medium to coarse grained, dark brown with light gray and reddish brown, poorly graded, mottled	0
				No Recovery	
2.5		No Sample		CLAYEY SAND, some gravel, and construction debris, some black shiny material (ash), medium to coarse grained, dark brown with light gray, poorly graded	0
				Dense to medium dense, SILTY CLAY, some gravel, moist, light brown, medium plasticity	
				CLAYEY SAND, some gravel, and construction debris, some black shiny material (ash), medium to coarse grained, dark brown with light gray, poorly graded	
5.0		SSHS-B2091-SUB-4-6		Dense to medium dense, SILTY CLAY, some gravel, moist, light brown, medium plasticity	0
				No Recovery	
				Dense to medium dense, SILTY CLAY, some gravel, moist, light brown, medium plasticity	
		SSHS-B2091-SUB-6-8		Dense to medium dense, SILTY CLAY, some gravel, moist, light brown, medium plasticity	0
7.5				Loose, SILTY SAND, medium grained, moist	
				No Recovery	
		SSHS-B2091-SUB-8-10		Loose, SILTY SAND, some gravel, and construction debris, medium to coarse grained, moist, brown, poorly graded	0.5

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BORING B2091

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				No Recovery	
				Loose, SILTY SAND, some gravel, and construction debris, medium to coarse grained, moist, brown, poorly graded, some clayey intervals	
		SSHS-B2091-SUB-10-12		CLAY, brown, high plasticity	0.5
				Loose, SILTY SAND, some gravel, and construction debris, medium to coarse grained, moist, brown, poorly graded	
				Dense to medium dense, SILTY CLAY, some gravel, moist, light brown, medium plasticity	
12.5		SSHS-B2091-SUB-12-14		SILTY GRAVEL, some coarse gravel, coarse sand, moist to wet, light brown, well graded	0.3
				No Recovery	

Bottom of borehole at 14.0 feet.

10.0

12.5

15.0

17.5

20.0

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BORING B2092

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/25/18 **COMPLETED** 7/25/18 **NORTHING** 754580.71 ft **EASTING** 762139.76 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILTY CLAY, some sand, moist, brown, low plasticity	
		SSHS-B2092-SUB-0.17-2		CLAYEY SAND, some coarse gravel, coarse grained, moist, brown, poorly graded, subrounded	0
				No Recovery	
2.5		SSHS-B2092-SUB-2-4		CLAYEY SAND, some coarse gravel, coarse grained, moist, brown to dark gray, poorly graded, subrounded	0.8
				Construction debris	
				No Recovery	
		Repeated refusal at 4'.		Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B2108

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/25/18 **COMPLETED** 7/25/18
NORTHING 754787.13 ft **EASTING** 762000.16 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	SSHS-B2108-SUB-0.17-2		Core not sampled SILTY GRAVEL, brown with dark black, moist, loose to soft, some clay, some fine sand, some rock fragments	10
					SILTY GRAVEL, brown with dark black, moist, loose to soft, some clay, some fine sand	
2		96	SSHS-B2108-SUB-2-4		No Recovery SILTY GRAVEL, brown, wet to moist, and rock fragments, trace construction debris, some rock fragments	10
4		100	SSHS-B2108-SUB-4-6		No Recovery SILTY CLAY, brown with gray, moist, stiff, with rock fragments	10
6		58	SSHS-B2108-SUB-6-8		SILTY CLAY, brown, wet to moist, loose, with gravel, rock fragments	10
					No Recovery	
8		63	SSHS-B2108-SUB-8-10		SILTY GRAVEL, brown, wet to dry, loose, with rock fragments, some clay	10
					No Recovery	
10						

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BORING B2108

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		71	SSHS-B2108-SUB-10-12		SILTY GRAVEL, brown, wet to dry, loose, with rock fragments, some clay, some sand	10
					No Recovery	
12		67	SSHS-B2108-SUB-12-14		SILTY SAND, brown, wet to moist, with gravel with rock fragments, fine sand, some clay	10
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2109

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/25/18 **COMPLETED** 7/25/18
NORTHING 754618.19 ft **EASTING** 762066.06 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	SSHS-B2109-SUB-0.17-2		SANDY CLAY, brown, moist, dense, low plasticity, some gravel, and construction debris, topsoil	
					CLAYEY SAND, brown, well graded, medium grained, loose to dense, with gravel, some black shiny material (ash)	0.3
2		67	SSHS-B2109-SUB-2-4		No Recovery SANDY CLAY, dark brown, moist, medium dense, low plasticity, with gravel, and construction debris SANDY CLAY, brown, moist to dry, dense, low plasticity GRAVEL, gray SANDY CLAY, brown, moist to dry, dense, low plasticity	0.5
4		92	SSHS-B2109-SUB-4-6		No Recovery GRAVEL, dark gray to black, angular, coarse grained, some construction debris, with sand, some charcoal/ coal debris SILTY CLAY, brown, moist, low plasticity, with sand, some gravel	0.5
6		88	SSHS-B2109-SUB-6-8		No Recovery SANDY GRAVEL, light gray, moist, construction debris, rock fragments SILTY SAND, brown, poorly graded, medium to coarse grained, moist, loose, with coarse gravel	0.4
8		71	SSHS-B2109-SUB-8-10		No Recovery CLAYEY SAND, dark brown, moist, loose, with coarse gravel SILTY SAND, brown, poorly graded, medium to coarse grained, moist, loose, with coarse gravel SILTY GRAVEL, light gray and brown, rounded, moist to wet, loose, with clay No Recovery	0.6
10						

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BORING B2109

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B2109-SUB-10-12		SILTY SAND, brown, poorly graded, medium to coarse grained, moist, loose, with coarse gravel	0
					Black shiny material (ash), and gravel No Recovery	
12		88	SSHS-B2109-SUB-12-14		CLAYEY SAND, dark brown, moist, loose, with coarse gravel Wet	0
14					No Recovery Bottom of borehole at 14.0 feet.	

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BORING B2110

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/25/18 **COMPLETED** 7/25/18
NORTHING 754577.14 ft **EASTING** 762065.22 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		50	SSHS-B2110-SUB-0.17-2		SANDY CLAY, brown, wet to moist, medium dense, low plasticity	0
					Gravel with rock fragments No Recovery	
2		117	SSHS-B2110-SUB-2-4		CLAYEY SAND, brown, moist to wet, loose to medium dense, with gravel, and black shiny material (ash)	0.4
					SILTY SAND, black to dark brown, moist to wet, mottled, with gravel, and black shiny material (ash), iron oxide staining	
4		142	SSHS-B2110-SUB-4-6		SILTY SAND, black to dark brown, moist to wet, with gravel, and black shiny material (ash), increasing clay	0
					CLAYEY SAND, dark brown to light brown, poorly graded, medium to coarse grained, moist, with gravel, and construction debris	
6		100	SSHS-B2110-SUB-6-8		CLAYEY SAND, dark brown to light brown, poorly graded, medium to coarse grained, moist, mottled, with gravel, and construction debris	0.4
					CLAYEY GRAVEL, black to brown, well graded, fine to coarse grained, moist, loose, with sand	
8		75	SSHS-B2110-SUB-8-10		SANDY CLAY, brown to dark brown, well graded, moist, with coarse gravel, and medium sand, gravel is angular to rounded, grades to clayey sand	0.6
					No Recovery	
10						

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BORING B2110

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND, dark gray, poorly graded, with fine to coarse gravel	
					SANDY CLAY, brown to dark brown, well graded, moist, with coarse gravel, and medium sand, gravel is angular to rounded, grades to clayey sand	
		96	SSHS-B2110-SUB-10-12			1.1
					GRAVEL, coarse grained, some construction debris, some coarse sand	
12					No Recovery	
					GRAVEL, some construction debris, with silt, wet towards bottom	
					SILTY SAND, dark gray, well graded, fine to medium grained, moist to wet, with gravel	
		100	SSHS-B2110-SUB-12-14		No Recovery	28.3
14					Bottom of borehole at 14.0 feet.	

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BORING B2127

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/25/18 **COMPLETED** 7/25/18
NORTHING 754762.86 ft **EASTING** 761941.86 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2127-SUB-0.17-2		Core not sampled SILTY CLAY, brown, dry, loose to soft, some gravel with rock fragments, few organics	10
2		92	SSHS-B2127-SUB-2-4		SILTY GRAVEL, dark brown with black, dry, loose, some clay, some sand, some rock fragments Moist Dry	10
4		88	SSHS-B2127-SUB-4-6		No Recovery SILTY CLAY, brown to dark brown, wet to moist, stiff, some rock fragments	10
6		58	SSHS-B2127-SUB-6-8		No Recovery SILT, brown, wet to moist, loose, rock fragments, some clay No Recovery	10
8		96	SSHS-B2127-SUB-8-10		SILTY GRAVEL, brown, wet to moist, loose, trace sand	10
10						

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BORING B2127

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		83	SSHS-B2127-SUB-10-12		No Recovery SILTY GRAVEL, brown, dry, loose, and rock fragments, trace sand	10
					No Recovery	
12		63	SSHS-B2127-SUB-12-14		SILTY SAND, brown, moist, loose, with gravel with rock fragments	10
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2128

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/25/18 **COMPLETED** 7/25/18
NORTHING 754703.7 ft **EASTING** 761963.13 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	SSHS-B2128-SUB-0.17-2		Core not sampled SILTY CLAY, brown, dry, with gravel, some rock fragments, few organics	10
2		104	SSHS-B2128-SUB-2-4		No Recovery SILTY GRAVEL, dark brown and black, dry, stiff to loose, some clay, some rock fragments, some construction debris	10
4		83	SSHS-B2128-SUB-4-6		SILTY CLAY, brown with dark brown, dry, very stiff to loose, with gravel with rock fragments, some sand No Recovery	10
6		79	SSHS-B2128-SUB-6-8		SILTY SAND, brown, dry, soft to loose, with gravel with rock fragments, trace clay No Recovery	10
8		83	SSHS-B2128-SUB-8-10		SILTY GRAVEL, brown, dry to moist, loose, and rock fragments No Recovery	10
10						

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		71	SSHS-B2128-SUB-10-12		SILTY CLAY, brown, moist, loose to soft, with gravel with rock fragments, some sand	10
					No Recovery	
12		75	SSHS-B2128-SUB-12-14		SILTY SAND, brown, moist, loose, with gravel with rock fragments, trace clay	10
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2129

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/25/18 **COMPLETED** 7/25/18
NORTHING 754653.22 ft **EASTING** 761987.86 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	SSHS-B2129-SUB-0.17-2		Core not sampled SILTY CLAY, brown, moist, soft, few organics, few rock fragments, some construction debris	10
2		63	SSHS-B2129-SUB-2-4		No Recovery SILTY GRAVEL, brown to black, wet to moist, loose to soft, trace clay No Recovery	10
4		83	SSHS-B2129-SUB-4-6		SILTY CLAY, brown with gray, wet to moist, loose, with gravel with rock fragments No Recovery	10
6		63	SSHS-B2129-SUB-6-8		SILTY CLAY, brown with gray, moist, with gravel, some rock fragments No Recovery	10
8		58	SSHS-B2129-SUB-8-10		SILTY CLAY, brown with gray, moist, with gravel, some rock fragments No Recovery	10
10						

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BORING B2129

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		96	SSHS-B2129-SUB-10-12		SILTY GRAVEL, brown, wet to moist, some sand, trace clay, some rock fragments	10
12					No Recovery	
		58	SSHS-B2129-SUB-12-14		SILTY GRAVEL, brown, wet to moist, some sand, trace clay, some rock fragments	10
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2143

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/25/18 **COMPLETED** 7/25/18
NORTHING 754629.53 ft **EASTING** 761929.88 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	SSHS-B2143-SUB-0.17-2		Core not sampled SILTY CLAY, brown, moist, soft to loose, and gravel, some rock fragments, few organics	10
2		67	SSHS-B2143-SUB-2-4		No Recovery SILTY SAND, dark brown to black, moist, soft to loose, with gravel, some rock fragments, trace clay No Recovery	10
4		67	SSHS-B2143-SUB-4-6		SILTY CLAY, brown with dark brown, moist, loose, with gravel with rock fragments, trace sand No Recovery	10
6		96	SSHS-B2143-SUB-6-8		SILTY CLAY, brown, moist, loose to soft, with gravel with rock fragments	10
8		63	SSHS-B2143-SUB-8-10		No Recovery SILT, brown, loose, with gravel with rock fragments, some fine sand No Recovery	10
10						

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BORING B2143

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		96	SSHS-B2143-SUB-10-12		SILTY GRAVEL, brown, dry, loose, with rock fragments	10
12					No Recovery	
		100	SSHS-B2143-SUB-12-14		SILTY GRAVEL, brown, with rock fragments SAND, brown, fine grained, dry to moist, loose, crushed rock No Recovery	10
14					Bottom of borehole at 14.0 feet.	

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BORING B2194

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/25/18 **COMPLETED** 7/25/18 **NORTHING** 754537.08 ft **EASTING** 762132.79 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY CLAY, some coarse gravel, moist, brown, low plasticity, Topsoil	
		No Sample		Loose to dense, CLAYEY SAND, some silt, with gravel, and black shiny material (ash), medium grained, dark brown to black, poorly graded, mottled	0
				No Recovery	
				Loose to dense, CLAYEY SAND, some silt, with gravel, and black shiny material (ash), medium grained, dark brown to black, poorly graded	
2.5		SSHS-B2194-SUB-2-4		Construction debris, light gray to white	
				Loose to dense, CLAYEY SAND, some silt, with gravel, and black shiny material (ash), medium grained, dark brown to black, poorly graded	0.6
				No Recovery	
				Loose to dense, CLAYEY SAND, some silt, with gravel, and black shiny material (ash), medium grained, dark brown to black, poorly graded	
5.0		SSHS-B2194-SUB-4-6		Construction debris, red	0.3
				Loose to dense, CLAYEY SAND, some silt, with gravel, and black shiny material (ash), medium grained, dark brown to black, poorly graded	
				SILTY CLAY, with sand, and gravel, dry, light brown, low plasticity	
				Loose, SILTY SAND, with medium to coarse gravel, moist to wet, brown, poorly graded	
		SSHS-B2194-SUB-6-8		Becomes saturated	0.5
7.5				Becomes moist	
				No Recovery	
				Loose, SILTY SAND, with medium to coarse gravel, moist to wet, brown, poorly graded	
		SSHS-B2194-SUB-8-10			0.3
				No Recovery	

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BORING B2194

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B2194-SUB-10-12		Loose, SILTY SAND, with medium to coarse gravel, moist to wet, brown, poorly graded	0.6
				No Recovery	
		Repeated refusal at 12'.		Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B2216

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/25/18 **COMPLETED** 7/25/18
NORTHING 754726.7 ft **EASTING** 762014.85 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		104	No Sample		SILTY GRAVEL, brown, some organics, few clay, rock fragments, trace sand Black	10
2		75	SSHS-B2216-SUB-2-4		SILTY CLAY, brown with black, coarse grained, dry, loose, with gravel with rock fragments No Recovery	10
4		92	SSHS-B2216-SUB-4-6		SILTY CLAY, black, moist, soft, some rock fragments, with gravel Brown No Recovery	10
6		63	SSHS-B2216-SUB-6-8		SILTY SAND, brown, coarse grained, moist, loose, with gravel with rock fragments, trace clay No Recovery	10
8		75	SSHS-B2216-SUB-8-10		SILTY SAND, brown, fine to coarse grained, moist, loose, with gravel with rock fragments, trace clay No Recovery	10
10						

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BORING B2216

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		83	SSHS-B2216-SUB-10-12		SILTY SAND, brown, fine to coarse grained, moist, loose, with gravel with rock fragments	10
					No Recovery	
12		63	SSHS-B2216-SUB-12-14		SILT, brown, moist to dry, loose, with gravel with rock fragments, some clay	10
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2024

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/18 **COMPLETED** 7/26/18
NORTHING 754885.36 ft **EASTING** 762199.2 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	SSHS-B2024-SUB-0.17-2		Core not sampled SILTY CLAY, brown, coarse grained, moist, loose, with rock fragments, with roots, and organics	10
2		67	SSHS-B2024-SUB-2-4		No Recovery SILTY CLAY, brown with black, fine to coarse grained, dry, loose, with gravel, some rock fragments No Recovery	10
4		100	No Sample		SILTY SAND, black with brown, fine to coarse grained, moist, loose, with gravel, some rock fragments	10
6		71	No Sample		SILTY CLAY, brown with black, moist, loose, with gravel with rock fragments No Recovery	10
8		88	SSHS-B2024-SUB-8-10		SILTY SAND, brown with black, fine to coarse grained, moist, loose, with gravel with rock fragments, trace chert	10
10					No Recovery	

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BORING B2024

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		67	SSHS-B2024-SUB-10-12		SILTY CLAY, brown, moist, loose, with gravel, some coarse sand, rock fragments	10
					No Recovery	
12		79	SSHS-B2024-SUB-12-14		SILTY SAND, brown, coarse grained, wet, with gravel, and rock fragments	10
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2025

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/18 **COMPLETED** 7/26/18
NORTHING 754814.68 ft **EASTING** 762238.87 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	SSHS-B2025-SUB-0.17-2		Core not sampled SILTY CLAY, brown, dry, soft to loose, few rock fragments, few roots, trace construction debris	10
2		106	SSHS-B2025-SUB-2-4		No Recovery SILTY CLAY, brown with black, coarse grained, dry, soft to loose, with gravel, few sand, rock fragments	10
4		108	SSHS-B2025-SUB-4-6		SILTY SAND, brown to dark brown, coarse grained, dry, loose, with gravel	10
6		108	SSHS-B2025-SUB-6-8		SILTY SAND, brown with gray, coarse grained, loose, with gravel, rock fragments	10
8		96	SSHS-B2025-SUB-8-10		SILTY SAND, brown with gray, dry, loose, with gravel with rock fragments, some clay, trace construction debris Moist Dry	10
10						

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BORING B2025

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B2025-SUB-10-12		No Recovery SILTY SAND, brown to light brown, medium to coarse grained, dry, loose to stiff, with gravel with rock fragments	10
					Dry to moist	
					Moist	
12					No Recovery	
		92	SSHS-B2025-SUB-12-14		SILTY SAND, brown, coarse grained, moist, loose, low plasticity, with clay, and gravel with rock fragments	10
14					No Recovery Bottom of borehole at 14.0 feet.	

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BORING B2026

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/18 **COMPLETED** 7/26/18
NORTHING 754762.56 ft **EASTING** 762271.11 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		104	No Sample		SILTY CLAY, brown, moist, loose, with gravel with rock fragments, organics	10
2		83	SSHS-B2026-SUB-2-4		SILTY CLAY, brown, medium to coarse grained, dry, loose, with gravel, some sand, rock fragments	10
					No Recovery	
4		83	SSHS-B2026-SUB-4-6		SILTY SAND, black with brown, coarse grained, moist, loose, some clay, some rock fragments, hydrocarbon odor	10
					No Recovery	
6		63	SSHS-B2026-SUB-6-8		SILTY CLAY, black with gray, coarse grained, moist, stiff, gravel with rock fragments, hydrocarbon odor, hydrocarbon staining	10
					No Recovery	
8		96	SSHS-B2026-SUB-8-10		SILTY SAND, brown with black, moist, loose, with gravel with rock fragments, some clay, construction debris	10
10						

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BORING B2026

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					No Recovery SILTY CLAY, brown, dry to moist, soft, with gravel, rock fragments, some organics	
			SSHS-B2026-SUB-10-12			10
		54			No Recovery	
12					SILTY SAND, brown, coarse grained, dry, loose, with gravel, trace construction debris	
			SSHS-B2026-SUB-12-14			10
		75			No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2027

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/18 **COMPLETED** 7/26/18
NORTHING 754701.94 ft **EASTING** 762281.86 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	SSHS-B2027-SUB-0.17-2		Core not sampled SILTY CLAY, brown, dry, soft, low plasticity, with gravel with rock fragments, few organics, some sand	10
2		100	SSHS-B2027-SUB-2-4		No Recovery SILTY SAND, brown with black, coarse grained, moist, loose, with gravel, some clay, some rock fragments	10
4		108	SSHS-B2027-SUB-4-6		No Recovery SILTY CLAY, brown, moist, with gravel with rock fragments, some coarse sand, some construction debris	10
6		83	SSHS-B2027-SUB-6-8		Brown with black Brown SILTY SAND, dark brown with black, coarse grained, moist to wet, with gravel with rock fragments	10
8		88	SSHS-B2027-SUB-8-10		No Recovery SILTY SAND, black with dark gray, coarse grained, moist to wet, with gravel, hydrocarbon odor, hydrocarbon staining	23
10					No Recovery	

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BORING B2027

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		67	SSHS-B2027-SUB-10-12		SILTY SAND, black with dark gray, coarse grained, moist to wet, with gravel, hydrocarbon odor, hydrocarbon staining, strong odor	12
					No Recovery	
12		79	SSHS-B2027-SUB-12-14		SILTY SAND, black with dark gray, coarse grained, moist to wet, with gravel, hydrocarbon odor, hydrocarbon staining, strong odor	27.4
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2028

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/18 **COMPLETED** 7/26/18
NORTHING 754643.79 ft **EASTING** 762306.65 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	SSHS-B2028-SUB-0.17-2		Core not sampled SILTY CLAY, brown, dry, loose, with gravel with rock fragments, some fine to coarse sand, some organics	10
2		100	SSHS-B2028-SUB-2-4		SILTY SAND, dark brown with black, dry, loose to soft, with gravel with rock fragments, some clay, some construction debris, wood near bottom	10
4		108	SSHS-B2028-SUB-4-6		No Recovery SILTY SAND, black, coarse grained, dry to moist, low plasticity, with gravel with rock fragments, some clay Brown with dark gray	10
6		104	SSHS-B2028-SUB-6-8		SILTY SAND, brown, fine to coarse grained, dry to moist, some rock fragments, trace construction debris Brown with black Brown	10
8		63	SSHS-B2028-SUB-8-10		SILTY SAND, brown with black, fine to coarse grained, dry, loose, with gravel, some rock fragments No Recovery	10
10						

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BORING B2028

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		83	SSHS-B2028-SUB-10-12		SILTY SAND, brown, fine to coarse grained, dry, loose, with gravel with rock fragments	10
					No Recovery	
12		83	SSHS-B2028-SUB-12-14		SILTY SAND, brown with gray, medium to coarse grained, moist, loose, with gravel with rock fragments	10
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2050

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/18 **COMPLETED** 7/26/18
NORTHING 754852.11 ft **EASTING** 762163.94 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	SSHS-B2050-SUB-0.17-2		Core not sampled SILTY CLAY, brown, fine to medium grained, moist, loose, with gravel with rock fragments, few organics	10
2		79	SSHS-B2050-SUB-2-4		No Recovery SILTY CLAY, dark brown, coarse grained, moist, stiff, with gravel, some rock fragments	10
4		88	SSHS-B2050-SUB-4-6		Dark brown with black No Recovery SILTY CLAY, dark brown and black, moist, soft to loose, with gravel, some rock fragments	10
6		88	SSHS-B2050-SUB-6-8		No Recovery SILTY CLAY, dark brown with black, fine to coarse grained, moist, soft to loose, with gravel with rock fragments, some sand, some construction debris	10
8		67	SSHS-B2050-SUB-8-10		No Recovery SILTY CLAY, brown with black, moist, soft to loose, with gravel with rock fragments, trace construction debris	10
10					No Recovery	

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BORING B2050

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		58	SSHS-B2050-SUB-10-12		SILTY CLAY, brown with black, moist, soft to loose, with gravel with rock fragments	10
					No Recovery	
12		54	SSHS-B2050-SUB-12-14		SILTY CLAY, brown, moist, soft, medium plasticity, some roots	10
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2192

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/18 **COMPLETED** 7/26/18
NORTHING 754568.77 ft **EASTING** 762275.88 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	No Sample		SILTY CLAY, brown, moist, dense, low plasticity, few gravel, Topsoil at surface	0.6
					GRAVEL, white SILTY SAND, black, well graded, coarse grained, moist, loose, some fine gravel, gravel is angular No Recovery	
2		83	No Sample		SILTY SAND, black, well graded, coarse grained, moist, loose, some fine gravel, some construction debris, gravel is angular	4
					No Recovery	
4		92	SSHS-B2192-SUB-4-6		SILTY SAND, black, well graded, coarse grained, moist, loose, some fine gravel, gravel is angular CLAYEY SAND, brown, poorly graded, medium to coarse grained, low plasticity, some fine to coarse gravel, grades to SANDY CLAY	2.1
					No Recovery	
6		88	SSHS-B2192-SUB-6-8		CLAYEY SAND, brown with black, poorly graded, medium to coarse grained, low plasticity, some fine to coarse gravel, grades to SANDY CLAY	
					SILTY SAND, brown to light brown, medium to coarse grained, moist, loose, with gravel	1.5
					No Recovery	
8		50	SSHS-B2192-SUB-8-10		SILTY SAND, brown to light brown, medium to coarse grained, moist, loose, with gravel, more clay	1.5
					No Recovery	
10						

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BORING B2192

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND, brown to light brown, medium to coarse grained, moist, loose, with gravel	
			SSHS-B2192-SUB-10-12		SILTY SAND, brown to light brown, medium to coarse grained, moist, loose, with gravel, with clay	4
		63			No Recovery	
12					SILTY SAND, brown to light brown, medium to coarse grained, moist, loose, with gravel, with clay	
			SSHS-B2192-SUB-12-14			5.5
		58			No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2193

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/26/18 **COMPLETED** 7/26/18 **NORTHING** 754549 ft **EASTING** 762218.06 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILTY CLAY, few gravel, moist, brown, low plasticity, Topsoil at surface	
		SSHS-B2193-SUB-0.17-2		Dense to loose, CLAYEY SAND, with fine to coarse gravel, medium to coarse grained, moist, brown to dark brown, poorly graded, gravel is rounded to subrounded	0
				No Recovery	
2.5		SSHS-B2193-SUB-2-4		Dense to loose, CLAYEY SAND, with fine to coarse gravel, medium to coarse grained, wet to saturated, brown to dark brown, poorly graded, gravel is rounded to subrounded	<10
2.5				Dense, SILTY CLAY, dry, low plasticity	
		Repeated refusal at 3.5'.		No Recovery	
				Bottom of borehole at 3.5 feet.	
5.0					
7.5					

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BORING B2195

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/26/18 **COMPLETED** 7/26/18 **NORTHING** 754505.31 ft **EASTING** 762129.88 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY CLAY, some gravel, moist, brown, low plasticity, Topsoil	
		SSHS-B2195-SUB-0.17-2		Loose, CLAYEY SAND, with fine to medium gravel, some silt, moist, black to dark brown, well graded	0.1
				No Recovery	
2.5				SILTY SAND, trace gravel, fine grained, wet, black, well graded	
		SSHS-B2195-SUB-2-4		Loose, CLAYEY SAND, with fine to medium gravel, some silt, some construction debris, moist, black to dark brown, well graded	0.3
				No Recovery	
				Loose, CLAYEY SAND, with fine to medium gravel, some silt, moist, black to dark brown, well graded	
5.0		SSHS-B2195-SUB-4-6		GRAVEL, gray	0.4
				Dense, CLAYEY SAND, with coarse gravel, with rock fragments, coarse grained, moist to wet, brown to light brown, poorly graded, gravel is rounded to angular	
				No Recovery	
		SSHS-B2195-SUB-6-8		Dense, CLAYEY SAND, with coarse gravel, with rock fragments, coarse grained, moist to wet, brown to light brown with black, poorly graded, mottled, gravel is rounded to angular	1.2
7.5				Loose, SILTY GRAVEL, with coarse sand, rock fragments, and coarse gravel, moist, brown, well graded, subrounded	
				No Recovery	
		SSHS-B2195-SUB-8-10		Loose, SILTY GRAVEL, with coarse sand, rock fragments, and coarse gravel, moist to wet, brown, well graded, subrounded, more sand towards base	0.6
				No Recovery	

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BORING B2195

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B2195-SUB-10-12		Loose, SILTY GRAVEL, with coarse sand, rock fragments, and coarse gravel, moist to wet, brown, well graded, subrounded, more sand towards base	0.5
				No Recovery	
12.5		SSHS-B2195-SUB-12-14		SILTY SAND, some fine to coarse gravel, coarse grained, saturated, brown, poorly graded, hydrocarbon odor, gravel is rounded	15.9
				No Recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B2213

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/18 **COMPLETED** 7/26/18
NORTHING 754798.69 ft **EASTING** 762189.73 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	SSHS-B2213-SUB-0.17-2		Core not sampled SILTY CLAY, brown with black, moist, soft to loose, with gravel with rock fragments, few coarse sand	10
					No Recovery	
2		67	SSHS-B2213-SUB-2-4		SILTY SAND, black, coarse grained, moist, loose, with gravel, some clay, trace construction debris	0
					No Recovery	
4		92	SSHS-B2213-SUB-4-6		SILTY SAND, black, coarse grained, moist, loose, with gravel with rock fragments, few roots, trace clay Black with brown Black	10
					No Recovery	
6		83	SSHS-B2213-SUB-6-8		SILTY SAND, dark brown with black, fine to coarse grained, moist to wet, loose, with rock fragments	10
					No Recovery	
8		75	SSHS-B2213-SUB-8-10		SILTY CLAY, brown with black, coarse grained, wet to moist, loose, with gravel, some rock fragments	10
					No Recovery	
10						

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BORING B2213

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		63	SSHS-B2213-SUB-10-12		SILTY CLAY, brown with black, coarse grained, moist, loose, with gravel, some rock fragments	10
					No Recovery	
12		63	SSHS-B2213-SUB-12-14		SILTY CLAY, brown, coarse grained, moist, with rock fragments, trace sand, some organics	10
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2214

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/26/18 **COMPLETED** 7/26/18 **NORTHING** 754755.56 ft **EASTING** 762153.06 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** A. Ambrosino **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Core not sampled	
		SSHS-B2214-SUB-0.17-2		Soft to loose, SILTY CLAY, rock fragments, with organics, dry, brown	
				Loose, SILTY SAND, with gravel with rock fragments, dry, black	<10
				No Recovery	
2.5		No Sample		Soft to loose, SILTY CLAY, dry, brown	<10
		SSHS-B2214-SUB-4-6		Loose, SILTY SAND, with gravel, coarse grained, dry, black	<10
5.0				Brown	
				No Recovery	
		No Sample		Soft, SILTY CLAY, with rock fragments, moist, gray with dark brown	<10
				No Recovery	
7.5		SSHS-B2214-SUB-8-10		SILTY CLAY, with sand, few rock fragments, coarse grained, moist, brown	<10
				No Recovery	

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BORING B2214

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B2214-SUB-10-12		SILTY CLAY, with sand, few rock fragments, coarse grained, moist, brown	<10
				No Recovery	
12.5		SSHS-B2214-SUB-12-14		SILTY SAND, with gravel with rock fragments, coarse grained, wet to moist, brown	<10
				No Recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B2215

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/26/18 **COMPLETED** 7/26/18 **NORTHING** 754748.44 ft **EASTING** 762076.18 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** A. Ambrosino **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Core not sampled	
		SSHS-B2215-SUB-0.17-2		Loose, SILTY SAND, with gravel with rock fragments, some clay, some black shiny material (ash), moist, brown	
				Becomes black	<10
				No Recovery	
2.5		SSHS-B2215-SUB-2-4		Soft, SILTY CLAY, some gravel with rock fragments, moist, brown with black, medium plasticity	<10
				Soft, SILTY CLAY, some gravel with rock fragments, moist, brown, medium plasticity	
				Becomes brown with black	
5.0		SSHS-B2215-SUB-4-6		Becomes brown	<10
				No Recovery	
				SILTY SAND, with gravel with rock fragments, some clay, fine to medium grained, moist, brown	
		SSHS-B2215-SUB-6-8		Becomes brown with black	
7.5				Becomes brown	<10
				SILTY SAND, with gravel with rock fragments, some clay, fine to medium grained, moist, brown	
		SSHS-B2215-SUB-8-10			<10
				No Recovery	

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BORING B2215

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B2215-SUB-10-12		Loose, SILTY SAND, with gravel with rock fragments, trace clay, coarse grained, dry, brown with black	<10
12.5		SSHS-B2215-SUB-12-14		Loose, SILTY SAND, with rock fragments, coarse grained, moist to wet, brown	<10
				Bottom of borehole at 14.0 feet.	

10.0

12.5

15.0

17.5

20.0

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BORING B2222

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/26/18 **COMPLETED** 7/26/18 **NORTHING** 754460.66 ft **EASTING** 762318.38 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY CLAY, moist, brown, low plasticity, Topsoil at surface	
		No Sample		CLAYEY SAND, some fine to coarse gravel, medium to coarse grained, dark brown	0.8
				GRAVEL, coarse grained, angular	
				No Recovery	
		Repeated refusal at 2'.		Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B2223

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/26/18 **COMPLETED** 7/26/18 **NORTHING** 754394.52 ft **EASTING** 762295.53 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY CLAY, moist, brown, low plasticity, Topsoil	
		No Sample		CLAYEY SAND, some fine gravel, medium to coarse grained, moist, dark brown, poorly graded	0.7
				No Recovery	
2.5		SSHS-B2223-SUB-2-4		CLAYEY SAND, some fine gravel, some black shiny material (ash), few construction debris, medium to coarse grained, moist, dark brown and dark gray to black, poorly graded, mottled	1.3
5.0		SSHS-B2223-SUB-4-6		CLAYEY SAND, some fine gravel, some black shiny material (ash), few construction debris, medium to coarse grained, moist, dark brown and dark gray, poorly graded	10
				No Recovery	
		SSHS-B2223-SUB-6-8		CLAYEY SAND, some fine gravel, some black shiny material (ash), few construction debris, medium to coarse grained, moist, dark brown and dark gray, poorly graded	
				CLAYEY SAND, some fine gravel, some black shiny material (ash), few construction debris, medium to coarse grained, moist, dark brown and dark gray, poorly graded, less clay	4.9
7.5				CLAYEY SAND, some fine gravel, some black shiny material (ash), few construction debris, medium to coarse grained, moist, dark brown and dark gray, poorly graded, hydrocarbon odor, hydrocarbon staining, visible sheen	
				No Recovery	
		SSHS-B2223-SUB-8-10		Soft, SANDY CLAY, wet, black, low plasticity, hydrocarbon odor, hydrocarbon staining	15.5
				Loose, SILTY GRAVEL, with coarse sand, coarse grained, gray with light brown, well graded, angular, mottled	
				No Recovery	

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CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B2223-SUB-10-12		Loose, CLAYEY GRAVEL, with medium sand, coarse grained, gray with light brown, well graded, angular, mottled	85.8
				No Recovery	
12.5		SSHS-B2223-SUB-12-14		Loose, SILTY SAND, some gravel, coarse grained, wet, dark gray, poorly graded, hydrocarbon odor, hydrocarbon staining	91.3
				No Recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B2224

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/26/18 **COMPLETED** 7/26/18 **NORTHING** 754347.9 ft **EASTING** 762359.8 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILTY CLAY, few gravel, brown, low plasticity, Topsoil at surface	
				Construction debris, red, brick layer	
		SSHS-B2224-SUB-0.17-2		SILTY SAND, some construction debris, and gravel, coarse grained, moist to wet, black	0
				SILTY SAND, some construction debris, and gravel, coarse grained, wet, black	
2.5		SSHS-B2224-SUB-2-4		SILTY SAND, some construction debris, some gravel, coarse grained, moist, brown, poorly graded	1
				No Recovery	
				Loose, SILTY GRAVEL, some coarse sand, fine to coarse grained, wet, dark gray	
5.0		SSHS-B2224-SUB-4-6		Loose, SILTY SAND, fine to medium grained, moist, light brown, poorly graded	6
				Loose, SILTY SAND, with gravel, medium grained, moist, light brown, poorly graded	
		SSHS-B2224-SUB-6-8		Loose, SILTY SAND, with gravel, fine to medium grained, saturated, light brown, well graded	0.7
7.5				Loose, SILTY SAND, medium to coarse grained, moist, brown, poorly graded	
		SSHS-B2224-SUB-8-10			1.6
				No Recovery	

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BORING B2224

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B2224-SUB-10-12		Loose, SILTY SAND, some gravel, medium to coarse grained, moist to wet, brown to gray, poorly graded, hydrocarbon odor	23.4
				No Recovery	
				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B2226

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/26/18 **COMPLETED** 7/26/18 **NORTHING** 754423.2 ft **EASTING** 762277.9 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILTY CLAY, moist, brown, low plasticity, Topsoil	
		SSHS-B2226-SUB-0.17-2		Medium dense, CLAYEY SAND, some gravel, some construction debris, medium to coarse grained, dark brown, poorly graded	0
				No Recovery	
2.5		SSHS-B2226-SUB-2-4		Medium dense, CLAYEY SAND, some gravel, some construction debris, medium to coarse grained, dark brown, poorly graded	
				Construction debris, some gravel, and black shiny material (ash), tan	14.7
				No Recovery	
				Medium dense, CLAYEY SAND, some gravel, some construction debris, medium to coarse grained, dark brown, poorly graded	
5.0		SSHS-B2226-SUB-4-6		Medium dense, SILTY SAND, fine grained, wet, light brown to light gray black, well graded, hydrocarbon odor, hydrocarbon staining	82.7
				Medium dense, SILTY SAND, fine grained, wet, light brown to light gray black, well graded, hydrocarbon odor, hydrocarbon staining, sheen observed	
		SSHS-B2226-SUB-6-8		Loose, CLAYEY SAND, with gravel with rock fragments, medium to coarse grained, brown to dark brown with black, poorly graded, mottled	51.5
7.5				No Recovery	
				Construction debris, bricks	
		SSHS-B2226-SUB-8-10		Loose, CLAYEY SAND, with gravel with rock fragments, medium to coarse grained, brown to dark brown, poorly graded, hydrocarbon odor, hydrocarbon staining	
				Construction debris, concrete	40
				No Recovery	

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BORING B2226

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B2226-SUB-10-12		Loose, CLAYEY SAND, with gravel with rock fragments, medium to coarse grained, brown to dark brown with gray, poorly graded	
				Loose, CLAYEY SAND, with gravel with rock fragments, medium to coarse grained, brown to dark brown with black, poorly graded, hydrocarbon odor, hydrocarbon staining	29.9
				No Recovery	
12.5		SSHS-B2226-SUB-12-14		Loose to dense, CLAYEY SAND, fine grained, saturated, light brown, well graded	2.2
				Loose, CLAYEY GRAVEL, with fine sand, some, fine to medium grained, wet, light brown, poorly graded	
				No Recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B2227

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/18 **COMPLETED** 7/26/18
NORTHING 754370.91 ft **EASTING** 762263.01 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	SSHS-B2227-SUB-0.17-2		SILTY CLAY, brown, dense to very dense, low plasticity	
					CLAYEY SAND, dark brown, well graded, medium grained, moist, loose to dense, with gravel, some construction debris	0
2		92	SSHS-B2227-SUB-2-4		No Recovery Black to dark black, mottled, black shiny material (ash), some construction debris	0.7
4		75	SSHS-B2227-SUB-4-6		No Recovery CLAYEY SAND, black to dark brown Dry, construction debris, and gravel with rock fragments	6.4
6		88	SSHS-B2227-SUB-6-8		No Recovery CLAYEY SAND, black, moist CLAYEY SAND, brown, poorly graded, moist, dense, with silt, and coarse gravel	1.8
8		88	SSHS-B2227-SUB-8-10		No Recovery CLAYEY SAND, brown, poorly graded, moist, dense, with silt, and coarse gravel CLAYEY SAND, black to dark gray, well graded, fine to medium grained, loose, construction debris	2.1
					CLAYEY GRAVEL, dark gray, angular, fine to coarse grained, wet, loose, some sand	
10					No Recovery	

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BORING B2227

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B2227-SUB-10-12		GRAVEL, angular, coarse grained, with rock fragments, trace sand, more sand and silt towards base	2
12					Bottom of borehole at 12.0 feet.	

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BORING B2246

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/18 **COMPLETED** 7/26/18
NORTHING 754592 ft **EASTING** 762330.22 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					CLAYEY SAND, brown, medium to coarse grained, moist, loose, some fine gravel	
					SILTY GRAVEL, black, fine grained, dry, with coarse sand	
			SSHS-B2246-SUB-0-2		GRAVEL, tan, angular, coarse grained	
		71			CLAYEY SAND, dark brown, moist, loose to dense, with coarse gravel, construction debris, gravel is angular	0
					No Recovery	
2					CLAYEY SAND, dark brown to black, moist to wet, loose to dense, with coarse gravel, construction debris, gravel is angular	
			SSHS-B2246-SUB-2-4			5.8
		79			Red, construction debris, brick chunks	
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2030

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/27/18 **COMPLETED** 7/27/18
NORTHING 754771.72 ft **EASTING** 761893.54 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		113	SSHS-B2030-SUB-0.17-2		Core not sampled SILTY CLAY, brown with black, dry, loose to stiff, with gravel with rock fragments, few construction debris	10
2		108	SSHS-B2030-SUB-2-4		SILTY SAND, black, coarse grained, dry, loose, with gravel with rock fragments	10
4		92	SSHS-B2030-SUB-4-6		SILTY CLAY, brown, dry, stiff, low plasticity, few gravel with rock fragments	10
6		79	SSHS-B2030-SUB-6-8		No Recovery SILTY SAND, brown, fine to coarse grained, dry, loose, with gravel with rock fragments	10
8		104	SSHS-B2030-SUB-8-10		No Recovery SILTY SAND, brown, fine to coarse grained, dry, loose, with gravel with rock fragments	10
10						

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BORING B2030

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B2030-SUB-10-12		SILTY SAND, brown, fine to coarse grained, dry, loose, with gravel with rock fragments	10
12		100	SSHS-B2030-SUB-12-14		SILTY SAND, brown, fine to coarse grained, dry, loose, with gravel with rock fragments	10
14					Bottom of borehole at 14.0 feet.	

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BORING B2031

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/27/18 **COMPLETED** 7/27/18
NORTHING 754483.69 ft **EASTING** 762378.56 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B2031-SUB-0.17-2		SILTY CLAY, brown, moist, dense, low plasticity, trace gravel, Topsoil at surface	
					CLAYEY SAND, brown, poorly graded, medium to coarse grained, moist, loose, with fine to coarse gravel, some construction debris	0
					No Recovery	
2		67	SSHS-B2031-SUB-2-4		CLAYEY SAND, black, poorly graded, medium to coarse grained, moist, loose, with fine to coarse gravel, some construction debris	
					Brown, No Recovery	0.3
4		75	SSHS-B2031-SUB-4-6		SILTY GRAVEL, light gray, angular, dry, loose, construction debris, some sand	
					CLAYEY SAND, brown, poorly graded, medium to coarse grained, moist, loose, with fine to coarse gravel, some construction debris	0.6
					No Recovery	
6		83	SSHS-B2031-SUB-6-8		CLAYEY SAND, light gray, poorly graded, medium to coarse grained, moist, loose, with fine to coarse gravel, some construction debris, some silt	0.5
					No Recovery	
8		92	SSHS-B2031-SUB-8-10		SILTY GRAVEL, light gray to light brown, poorly graded, angular, dry, loose, with clay	1.5
10					No Recovery	

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BORING B2031

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B2031-SUB-10-12		SILTY SAND, brown to light brown, poorly graded, coarse grained, dry to moist, with fine to coarse gravel, some gravel, gravel is angular	0.5
					No Recovery	
12			Repeated refusal at 12'.		Bottom of borehole at 12.0 feet.	

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BORING B2032

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/27/18 **COMPLETED** 7/27/18
NORTHING 754416.16 ft **EASTING** 762403.16 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B2032-SUB-0.17-2		SILTY CLAY, brown, moist, low plasticity, topsoil at surface, gravel at base	
					SILTY SAND, brown to black, poorly graded, coarse grained, moist, loose to dense, sand, some gravel, clayey	0
					No Recovery	
2		100	SSHS-B2032-SUB-2-4		SILTY SAND, black to brown, poorly graded, coarse grained, moist, loose to dense, sand, some gravel, clayey	
					SAND, brown, well graded, medium to coarse grained, moist, loose, with gravel, trace silt	1.2
4		100	SSHS-B2032-SUB-4-6		SAND, brown, well graded, medium to coarse grained, moist, loose, with gravel, trace silt	
					Large concrete chunk	
					SAND, brown, well graded, medium to coarse grained, moist, loose, with gravel, trace silt	0.7
					Large concrete chunk	
					SAND, brown, well graded, medium to coarse grained, moist, loose, with gravel, trace silt	
6		100	SSHS-B2032-SUB-6-8		SILTY SAND, brown, poorly graded, coarse grained, dry to moist, loose, with fine to coarse gravel	
					SILTY SAND, dark brown, well graded, fine to medium grained, moist, loose, with gravel	0.3
8		67	SSHS-B2032-SUB-8-10		CLAYEY SAND, brown to light brown, poorly graded, coarse grained, dry, loose, sand, some coarse gravel, silty	1.3
					No Recovery	
10						

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BORING B2032

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		58	SSHS-B2032-SUB-10-12		CLAYEY SAND, brown to light brown, poorly graded, coarse grained, dry to moist, loose, sand, some coarse gravel, silty, moist at base	1.1
					No Recovery	
12		83	SSHS-B2032-SUB-12-14		CLAYEY SAND, brown to light brown, poorly graded, coarse grained, moist, loose, sand, some coarse gravel, silty	
					CLAYEY SAND, light brown to light gray, poorly graded, coarse grained, dry, loose, sand, with gravel with rock fragments, some construction debris, silty	1.8
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2033

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/27/18 **COMPLETED** 7/27/18
NORTHING 754366.59 ft **EASTING** 762418.73 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, brown, moist, dense, low plasticity, few gravel, topsoil at surface	
		58	SSHS-B2033-SUB-0.17-2		CLAYEY SAND, brown, poorly graded, medium to coarse grained, moist to dry, with gravel, and construction debris, with black shiny material (ash)	0.1
					No Recovery	
2		92	SSHS-B2033-SUB-2-4		SILTY SAND, brown, poorly graded, coarse grained, dry, with fine to coarse gravel, trace construction debris	0.3
					No Recovery	
4		100	SSHS-B2033-SUB-4-6		SILTY SAND, brown, poorly graded, coarse grained, dry, with fine to coarse gravel, trace construction debris, gravel is large and angular	0.3
6		92	SSHS-B2033-SUB-6-8		SILTY SAND, brown, poorly graded, coarse grained, dry, with fine to coarse gravel, trace construction debris	0.5
					SILTY SAND, brown, well graded, fine grained, saturated, soft to loose, trace coarse gravel	
					SILTY GRAVEL, light gray, poorly graded, dry, loose, some coarse sand	
8		88	SSHS-B2033-SUB-8-10		No Recovery SILTY SAND, brown to light brown, poorly graded, coarse grained, dry, loose to dense, with fine to coarse gravel, some construction debris, with black shiny material (ash)	0.5
10					No Recovery	

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BORING B2033

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND, brown to light brown, poorly graded, coarse grained, dry, loose to dense, with coarse gravel, some construction debris, with black shiny material (ash)	
		129	SSHS-B2033-SUB-10-12		SILTY GRAVEL, light brown to light gray, angular, dry, loose, with construction debris, some coarse sand	0.5
12					SILTY SAND, gray, dry, loose, with construction debris, some clay	
		100	SSHS-B2033-SUB-12-14			0.4
14					Bottom of borehole at 14.0 feet.	

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BORING B2051

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/27/18 **COMPLETED** 7/27/18
NORTHING 754739.55 ft **EASTING** 762210.06 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		58	SSHS-B2051-SUB-0.17-2		Core not sampled SILTY CLAY, brown, moist, stiff, some roots	10
					No Recovery	
2		58	SSHS-B2051-SUB-2-4		SILTY SAND, brown with black, moist, with gravel with rock fragments, few roots, construction debris	10
					No Recovery	
4		96	SSHS-B2051-SUB-4-6		SILTY SAND, brown to dark brown, wet to moist, loose, with gravel with rock fragments, construction debris	10
6		71	SSHS-B2051-SUB-6-8		No Recovery SILTY SAND, brown with black, coarse grained, wet to moist, loose, with gravel with rock fragments, some clay	10
					No Recovery	
8		92	SSHS-B2051-SUB-8-10		SILTY SAND, brown with dark gray, fine to coarse grained, dry, loose, with gravel with rock fragments, few clay	10
10					No Recovery	

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BORING B2051

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		104	SSHS-B2051-SUB-10-12		SILTY SAND, brown and black, coarse grained, wet to moist, loose, with gravel with rock fragments, trace clay	10
12		54	SSHS-B2051-SUB-12-14		SILTY SAND, brown, coarse grained, moist to wet, loose, with gravel with rock fragments	10
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2071

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/27/18 **COMPLETED** 7/27/18 **NORTHING** 754716 ft **EASTING** 762155.63 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** A. Ambrosino **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Core not sampled	
				SILTY CLAY, some rock fragments, some sand, few rock fragments, fine to coarse grained, brown	
		SSHS-B2071-SUB-0.17-2		No Recovery	
				SILTY SAND, with gravel with rock fragments, some clay, fine to coarse grained, dry, brown	<10
2.5				Becomes black	
		SSHS-B2071-SUB-2-4			<10
				Becomes with construction debris, brown, brick fragments	
				Becomes brown	
				Loose, SILTY SAND, with gravel, some rock fragments, trace construction debris, coarse grained, dry to moist, brown with black	
5.0		SSHS-B2071-SUB-4-6			<10
				Soft, SILTY CLAY, some rock fragments, moist, brown to dark brown, medium plasticity	
		SSHS-B2071-SUB-6-8			<10
7.5				Soft, SILTY CLAY, some rock fragments, few coarse sand, moist, brown with black, medium plasticity	
		SSHS-B2071-SUB-8-10			<10
				No Recovery	

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BORING B2071

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B2071-SUB-10-12		Loose, SILTY SAND, with gravel with rock fragments, coarse grained, wet to moist, brown	<10
12.5		SSHS-B2071-SUB-12-14		Loose, SILTY SAND, with gravel with rock fragments, coarse grained, wet to moist, brown	<10
				No Recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B2090

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/27/18 **COMPLETED** 7/27/18
NORTHING 754693.33 ft **EASTING** 762097.33 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Core not sampled	
		83	SSHS-B2090-SUB-0.17-2		SILTY CLAY, brown to dark brown, coarse grained, dry, soft, gravel with rock fragments	
					SILTY SAND, brown to dark brown, coarse grained, dry, soft, gravel with rock fragments	10
					No Recovery	
2		79	SSHS-B2090-SUB-2-4		SILTY GRAVEL, black with red, dry to moist, soft to loose, with rock fragments, and construction debris, some clay	10
					Brown, medium plasticity, with clay	
					No Recovery	
4		117	SSHS-B2090-SUB-4-6		SILTY CLAY, brown, moist, stiff to soft, medium plasticity, few sand, some rock fragments	10
6		67	SSHS-B2090-SUB-6-8		SILTY SAND, brown, fine to medium grained, moist, some gravel, some rock fragments, some clay	10
					No Recovery	
8		104	SSHS-B2090-SUB-8-10		SILTY SAND, brown, fine to medium grained, moist, soft to loose, some rock fragments, gravel	10
10						

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BORING B2090

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		83	SSHS-B2090-SUB-10-12		SILTY SAND, brown with gray, medium grained, moist, loose, with gravel with rock fragments	10
					No Recovery	
12		79	SSHS-B2090-SUB-12-14		SILTY SAND, brown, fine to medium grained, moist, loose, with gravel with rock fragments	10
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2190

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/27/18 **COMPLETED** 7/27/18
NORTHING 754400.12 ft **EASTING** 762022.94 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	SSHS-B2190-SUB-0.17-2		Core not sampled SILTY SAND, brown, coarse grained, dry, loose, with gravel with rock fragments, asphalt chunks near surface	10
2		75	SSHS-B2190-SUB-2-4		No Recovery SILTY CLAY, brown, dry, loose, with gravel with rock fragments No Recovery	10
4		100	SSHS-B2190-SUB-4-6		SILTY CLAY, dark brown with black, dry, stiff to soft, low plasticity, with gravel with rock fragments, hydrocarbon odor	10
6		88	SSHS-B2190-SUB-6-8		SILTY CLAY, dark brown with black, coarse grained, dry, stiff to loose, and sand, with gravel with rock fragments No Recovery	10
8		54	SSHS-B2190-SUB-8-10		SILTY CLAY, black with brown, moist, loose to soft, low plasticity, with gravel with rock fragments, some medium sand No Recovery	10
10					Bottom of borehole at 10.0 feet.	

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BORING B2190

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
			Repeated refusal at 10'.			

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BORING B2217

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/27/18 **COMPLETED** 7/27/18 **NORTHING** 754670.22 ft **EASTING** 762040.97 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** A. Ambrosino **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Core not sampled	
		SSHS-B2217-SUB-0.17-2		Loose to soft, SILTY CLAY, with gravel, trace construction debris, with roots, coarse grained, dry to moist, black with brown	<10
2.5		SSHS-B2217-SUB-2-4		SILTY CLAY, and sand, with coarse gravel, some rock fragments, dry, black with brown	<10
		SSHS-B2217-SUB-4-6		SILTY CLAY, and sand, with coarse gravel, some rock fragments, dry, black with brown	<10
5.0				No Recovery	
		SSHS-B2217-SUB-6-8		Loose, SILTY SAND, with rock fragments, medium grained, moist, brown to dark brown	<10
7.5				No Recovery	
		SSHS-B2217-SUB-8-10		Loose, SILTY SAND, with rock fragments, few fine sand, medium grained, moist, brown to dark brown	<10

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BORING B2217

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B2217-SUB-10-12		Loose, SILTY SAND, with gravel with rock fragments, medium to coarse grained, wet to moist, brown	<10
				No Recovery	
12.5		SSHS-B2217-SUB-12-14		Loose, SILTY SAND, with gravel with rock fragments, medium to coarse grained, wet to moist, brown	<10
				No Recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B2228

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/27/18 **COMPLETED** 7/27/18 **NORTHING** 754307.46 ft **EASTING** 762322.21 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B2228-SUB-0.17-2		Dense, SILTY CLAY, with coarse sand, some gravel, few construction debris, moist, brown, low plasticity, brick chunks	0
				No Recovery	
2.5		SSHS-B2228-SUB-2-4		SILTY SAND, with gravel, construction debris, medium to coarse grained, moist to wet, black to dark gray with red, mottled	0.6
				No Recovery	
5.0		SSHS-B2228-SUB-4-6		CLAYEY GRAVEL, some coarse sand, fine to coarse grained, moist to wet, brown to light brown, well graded	0.5
				No Recovery	
		SSHS-B2228-SUB-6-8		Soft to loose, SILTY SAND, trace gravel, fine grained, saturated, light brown, well graded	0.4
7.5				No Recovery	
		SSHS-B2228-SUB-8-10		Medium dense, SILTY SAND, trace gravel, fine grained, saturated, light brown, well graded	0.2
				No Recovery	

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BORING B2228

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B2228-SUB-10-12		Soft, CLAYEY SAND, with fine to coarse gravel, medium grained, gray to dark gray	0.9
				No Recovery	
12.5		SSHS-B2228-SUB-12-14		Loose, SILTY GRAVEL, with sand, some clay, fine to coarse grained, wet, dark brown to gray, poorly graded, subrounded	0.3
				No Recovery	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B2229

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/27/18 **COMPLETED** 7/27/18
NORTHING 754299.44 ft **EASTING** 762227.6 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2229-SUB-0.17-2		SILTY CLAY, brown, moist, dense, low plasticity, Topsoil at surface	
					CLAYEY SAND, dark brown to black, poorly graded, moist to dry, mottled, some gravel with rock fragments, and black shiny material (ash)	0.2
2		75	SSHS-B2229-SUB-2-4		CLAYEY SAND, dark brown to black, poorly graded, moist to dry, mottled, some gravel with rock fragments, and black shiny material (ash), more gravel at base	0.4
					No Recovery	
4		83	SSHS-B2229-SUB-4-6		CLAYEY SAND, dark brown to black, poorly graded, moist to dry, mottled, some gravel with rock fragments, some black shiny material (ash), more debris at base	0.3
					No Recovery	
6			Repeated refusal at 6'.		Bottom of borehole at 6.0 feet.	

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refusal @ 6.5'

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Time: 1215

BORING LOG

BORING NO. B2236

SHEET 1 OF 1

DRILLING CO.: Cascade	Status: ☐ Well Installed ☒ Plugged & Abdnd. ☐	SITE: Unisys - Elmira HS - Elmira, NY	Borehole Location Sketch Map: FD-52 @ 4-6ft
METHOD & TOOLS: Direct Push		PROJECT NO.: MN0832E	
RIG: Geoprobe		N: E:	
BIT DIAMETER: 2.5"	DRILLER:	SUPERVISOR: MB	
GROUND ELEV.: ☐ Surveyed ☐ Estimated		DATE: ~~7/26/18~~ 7/27/18	

Top (Depth)	☒ Feet ☐ Meters — Lithology Log	Graphic Log	Depth Scale	Well	SPT Blows/6"	Run (No.)	Rec. (%)	Drilling Log
0-2'	2" of topsoil, ~~CLAYEY SI~~ SILTY CLAY 2"-24" Brown CLAYEY GRAVEL with abundant med to coarse sand, gravel is large to small, angular to sub round, dry, loose, some black charcoal debris.					27/24		SSHS-B2236-SUB 0.17-2 PID: NM
4-6' (MB)	~~Same as 0-2'~~ SAA, ~~but dk grey to grey~~.					24/24		
2-4' (MB)	brown to dk brown SILTY SAND with abundant gravel, loose, dry, med to coarse grained, w. graded, charcoal and brick debris @ 3'. large tan concrete debris layer @ 4'					24/24		SSHS-B2236-SUB 2-4 PID: 1.4 ppm
4-6'	Same as 0-2' but dk grey to grey					24/24		SSHS-B2236-SUB 4-6 FD-52? PID: 5.8 ppm
	EOB (refusal @ 6.5') refusal in two offsets at 6.5'							

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BORING B2237

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 7/27/18 **COMPLETED** 7/27/18 **NORTHING** 754279.76 ft **EASTING** 762272.32 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY CLAY, with gravel, and sand, moist, brown, low plasticity, Topsoil at surface	
		SSHS-B2237-SUB-0.17-2		Loose, CLAYEY SAND, with construction debris, and black shiny material (ash), moist to dry, dark brown to black with red, mottled	0.2
				No Recovery	
2.5		SSHS-B2237-SUB-2-4		Loose, CLAYEY SAND, with construction debris, and black shiny material (ash), moist to wet, dark brown to black	0.6
				No Recovery	
		Repeated refusal at 4'.		Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B2450

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/24/18 **COMPLETED** 8/24/18
NORTHING 754501.03 ft **EASTING** 762109.09 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2450-SS		CLAYEY SILT, dark brown, moist, medium stiff, low plasticity, Topsoil Bottom of borehole at 0.2 feet.	0

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BORING B2451

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/24/18 **COMPLETED** 8/24/18
NORTHING 754478.96 ft **EASTING** 762117.26 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2451-SS		CLAYEY SILT, dark brown, moist, medium stiff, low plasticity, Topsoil Bottom of borehole at 0.2 feet.	0.8

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BORING B2452

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/24/18 **COMPLETED** 8/24/18
NORTHING 754475.26 ft **EASTING** 762138.55 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2452-SS		CLAYEY SILT, dark brown, moist, medium stiff, low plasticity, some organics, Topsoil	0
					Bottom of borehole at 0.2 feet.	

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BORING B2453

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/24/18 **COMPLETED** 8/24/18
NORTHING 754490.7 ft **EASTING** 762146.49 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2453-SS		CLAYEY SILT, dark brown, moist, medium stiff, low plasticity, some organics, Topsoil	0
					Bottom of borehole at 0.2 feet.	

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BORING B2454

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/24/18 **COMPLETED** 8/24/18
NORTHING 754518.75 ft **EASTING** 762145.37 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2454-SS		CLAYEY SILT, dark brown, moist, medium stiff, low plasticity, some organics, Topsoil	0.6
					Bottom of borehole at 0.2 feet.	

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BORING B2455

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/24/18 **COMPLETED** 8/24/18
NORTHING 754530.94 ft **EASTING** 762118.41 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2455-SS		CLAYEY SILT, dark brown, moist, medium stiff, low plasticity, some organics, Topsoil	0
					Bottom of borehole at 0.2 feet.	

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BORING B2310

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/18 **COMPLETED** 8/27/18
NORTHING 754422.86 ft **EASTING** 762202.88 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY SAND, brown, well graded, fine grained, dry, soft, some roots	
					SILTY CLAY, brown, moist, stiff, low plasticity, trace sand	
			No Sample			0.1
		56			CLAYEY SAND, brown, poorly graded, coarse grained, moist, loose, some gravel, and construction debris	
					No Recovery	
2					CLAYEY SAND, black to dark brown, poorly graded, coarse grained, moist, loose, some gravel, some construction debris	
			SSHS-B2310-SUB-2-4			0
		56			No Recovery	
4					CLAYEY SAND, brown, poorly graded, coarse grained, moist, loose, some gravel, and construction debris, some black shiny material (ash)	
			SSHS-B2310-SUB-4-6			1
		83			No Recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B2312

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/18 **COMPLETED** 8/27/18
NORTHING 754451.17 ft **EASTING** 762191.81 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B2312-SUB-0.17-2		CLAYEY SILT, brown, moist, soft to very soft, low plasticity, some sand	0
					SILTY CLAY, stiff	
					CLAYEY SAND, dark brown with light grayish brown, poorly graded, coarse grained, moist, loose, mottled, some gravel	
2					No Recovery	
					Bottom of borehole at 2.0 feet.	

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BORING B2313

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/18 **COMPLETED** 8/27/18
NORTHING 754444.03 ft **EASTING** 762172.51 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		54	SSHS-B2313-SUB-0.17-2		SILTY CLAY, brown, moist, stiff, low plasticity, some roots	10
					CLAYEY SAND, dark brown with black, well graded, moist, loose, some gravel	
					No Recovery	
2					Bottom of borehole at 2.0 feet.	

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BORING B2342

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/18 **COMPLETED** 8/27/18
NORTHING 754313.05 ft **EASTING** 762223.56 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, dry, soft, non plastic, with fine sand	
			SSHS-B2342-SUB-0.17-2		SILTY CLAY, brown, moist, medium stiff, low plasticity, some organics, some construction debris	1.2
		50			No Recovery	
2					Bottom of borehole at 2.0 feet.	

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BORING B2343

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/18 **COMPLETED** 8/27/18
NORTHING 754302.75 ft **EASTING** 762209.13 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	SSHS-B2343-SUB-0.17-2		SILTY SAND, brown, well graded, fine grained, dry, loose, some fine gravel	
					SILTY CLAY, brown, moist, soft, low plasticity, some gravel	0
					No Recovery	
2		67	SSHS-B2343-SUB-2-4		SILTY SAND, tan with brown, well graded, coarse grained, dry, loose, mottled, some gravel, and construction debris, some black shiny material (ash)	
					Gray	0
					Large brick fragment No Recovery	
4		54	SSHS-B2343-SUB-4-6		SILTY SAND, tan with brown, well graded, coarse grained, dry, loose, mottled, some gravel, and construction debris, some black shiny material (ash)	1.6
					GRAVEL, brown, coarse grained No Recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B2344

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/18 **COMPLETED** 8/27/18
NORTHING 754302.97 ft **EASTING** 762193.6 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY SAND, brown, well graded, fine grained, dry, loose, some fine gravel, Topsoil at surface	
					SILTY CLAY, brown, medium stiff, low plasticity, trace sand, trace gravel	
		92	No Sample			0.7
					CLAYEY SAND, dark brown with gray, coarse grained, moist, loose, mottled, some gravel, and black shiny material (ash), construction debris	
					No Recovery	
2					CLAYEY SAND, dark brown with gray, coarse grained, moist, loose, mottled, some gravel, and black shiny material (ash), construction debris	
			SSHS-B2344SUB-2-4		Gray, trace gravel	0
		67			Reddish brown	
					No Recovery	
4					CLAYEY SAND, dark brown with gray, coarse grained, moist, loose, mottled, some gravel, and black shiny material (ash), construction debris	
			SSHS-B2344-SUB-4-6			1.4
		54			CLAY, brown	
					No Recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B2350

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/18 **COMPLETED** 8/27/18
NORTHING 754410.04 ft **EASTING** 762185.2 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	No Sample		SILTY SAND, brown, well graded, fine grained, dry, loose, some fine gravel	
					SILTY CLAY, brown, moist, stiff, low plasticity, trace construction debris	0.5
					CLAYEY SAND, dark brown, medium to coarse grained, moist, loose, some fine to coarse gravel	
					No Recovery	
2		58	SSHS-B2350-SUB-2-4		CLAYEY SAND, black to red, medium to coarse grained, moist, loose, mottled, some fine to coarse gravel, some black shiny material (ash), some construction debris	0.9
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2352

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/18 **COMPLETED** 8/27/18
NORTHING 754382.42 ft **EASTING** 762175.68 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	No Sample		CLAYEY SILT, brown to light brown, dry, soft, non plastic, some gravel	
					CLAYEY SAND, brown, poorly graded, fine grained, moist, loose, trace gravel	1.4
					CLAYEY SAND, black with reddish brown, poorly graded, medium to coarse grained, mottled, some fine to coarse gravel, gravel is subangular	
					No Recovery	
2		50	SSHS-B2352-SUB-2-4		CLAYEY SAND, black with reddish brown, poorly graded, medium to coarse grained, mottled, some fine to coarse gravel, gravel is subangular	
					CLAY, black with reddish brown, moist	
					Tan, construction debris, large brick fragment	0
					CLAYEY SAND, black with reddish brown, poorly graded, medium to coarse grained, mottled, some fine to coarse gravel, gravel is subangular	
					No Recovery	
4		83	SSHS-B2352-SUB-4-6		CLAYEY SAND, black with tannish brown, coarse grained, moist, loose, mottled, some gravel, and black shiny material (ash)	
					GRAVEL, gray, with construction debris	0
					SILTY SAND, tan, poorly graded, some coarse gravel	
					SAND, black, poorly graded, coarse grained, some silt, black shiny material (ash), gravel with rock fragments	
					No Recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B2353

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/18 **COMPLETED** 8/27/18
NORTHING 754360.98 ft **EASTING** 762182.44 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	No Sample		CLAYEY SILT, brown, dry, loose, non plastic, some gravel, some sand	0
					Moist, stiff SILTY GRAVEL, black, poorly graded, fine to coarse grained, loose, some coarse sand, black shiny material (ash), some construction debris No Recovery	
2		67	SSHS-B2353-SUB-2-4		SILTY GRAVEL, black, poorly graded, fine to coarse grained, loose, some coarse sand, black shiny material (ash), some construction debris Reddish brown to tan, construction debris, brick fragment	0.6
					SILTY SAND, dark gray, coarse grained, dry, loose, with fine gravel, black shiny material (ash) No Recovery	
4		58	SSHS-B2353-SUB-4-6		SILTY SAND, dark gray, coarse grained, dry, loose, with fine gravel, black shiny material (ash)	0.4
					CLAYEY SAND, brown, medium to coarse grained, moist, loose, some coarse gravel No Recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B2354

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/18 **COMPLETED** 8/27/18
NORTHING 754345.54 ft **EASTING** 762191.12 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					CLAYEY SILT, brown, moist, loose to soft, non plastic, some gravel, some sand	
			No Sample		SILTY CLAY, brown, moist, medium stiff, some gravel	0.6
		67			CLAYEY SAND, dark brown, poorly graded, moist, loose, some coarse gravel, construction debris, black shiny material (ash), gravel is subangular	
					No Recovery	
2					CLAYEY SAND, dark brown with black, poorly graded, moist, loose, mottled, some coarse gravel, construction debris, black shiny material (ash), gravel is subangular	
			SSHS-B2354-SUB-2-4			1.1
		67			Gray	
					Mottled, No Recovery	
4					CLAYEY SAND, gray, poorly graded, moist, loose, mottled, some coarse gravel, construction debris, black shiny material (ash), gravel is subangular	
			SSHS-B2354-SUB-4-6		CLAYEY SAND, reddish brown with black, poorly graded, moist, loose, mottled, some coarse gravel, construction debris, black shiny material (ash), gravel is subangular	0.4
		63			No Recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B2360

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/18 **COMPLETED** 8/27/18
NORTHING 754348.98 ft **EASTING** 762210.29 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	No Sample		SILTY SAND, brown, well graded, fine grained, dry, loose, some fine gravel	1.1
					SILTY CLAY, brown to reddish brown, moist, stiff, low plasticity, some coarse sand, some organics	
					Light brown	
					CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some fine to coarse gravel	
2					No Recovery	
		88	SSHS-B2360-SUB-2-4		CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some fine to coarse gravel, some construction debris, and black shiny material (ash)	0.9
					SAND, black, fine grained	
					No Recovery	
4		71	SSHS-B2360-SUB-4-6		CLAY, medium plasticity	10
					CLAYEY SAND, black, poorly graded, coarse grained, moist, loose, black shiny material (ash), some coarse gravel, and construction debris	
					No Recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B2411

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/18 **COMPLETED** 8/27/18
NORTHING 754290.18 ft **EASTING** 762213.86 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY SAND, brown, well graded, fine grained, dry, loose, some fine gravel	
			No Sample		SILTY CLAY, brown, moist, medium stiff, low plasticity, some organics, some fine gravel	1.2
		58			CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some gravel, some construction debris, and black shiny material (ash)	
					No Recovery	
2					CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some gravel, some construction debris, and black shiny material (ash), with layers of brick debris	
			No Sample			1.9
		67			No Recovery	
4					CLAYEY SAND, black to dark brown, poorly graded, coarse grained, moist, loose, some gravel, some construction debris, and black shiny material (ash), with layers of brick debris	
			No Sample		CLAYEY SAND, dark brown, poorly graded, coarse grained, wet, medium dense, trace fine gravel	0
		75			Light brown, with gravel	
					No Recovery	
6					CLAYEY SAND, light brown, poorly graded, coarse grained, moist, medium dense, with fine to coarse gravel	
			SSHS-B2411-SUB-6-8			0
		58			No Recovery	
8					CLAYEY SAND, light brown with gray, poorly graded, coarse grained, moist, medium dense, with fine to coarse gravel, some black shiny material (ash)	
			SSHS-B2411-SUB-8-10			2
		54			No Recovery	
10						

Bottom of borehole at 10.0 feet.

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BORING B2301

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/18 **COMPLETED** 8/28/18
NORTHING 754520.93 ft **EASTING** 762315.5 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		58	SSHS-B2301-SUB-0.17-2		SILTY CLAY, brown, moist, loose to soft, few roots	1.8
					Stiff	
					CLAYEY SAND, dark brown, coarse grained, moist, loose, some fine to coarse gravel	
					No Recovery	
2		83	SSHS-B2301-SUB-2-4		CLAYEY SAND, dark brown, coarse grained, moist, loose, some fine to coarse gravel	0.4
					Dark reddish brown with black, with black shiny material (ash), and construction debris	
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2314

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/18 **COMPLETED** 8/28/18
NORTHING 754318.46 ft **EASTING** 762343.18 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		63	No Sample		SILTY CLAY, brown, moist, soft, low plasticity, some roots, Topsoil at surface CLAYEY SAND, dark brown, poorly graded, angular, coarse grained, moist, loose, some fine to coarse gravel, some construction debris, some black shiny material (ash)	1.3
					No Recovery	
2		75	SSHS-B2314-SUB-2-4		CLAYEY SAND, dark brown, poorly graded, angular, coarse grained, moist, loose, some fine to coarse gravel, some construction debris, some black shiny material (ash)	0.7
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2329

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/18 **COMPLETED** 8/28/18
NORTHING 754417.56 ft **EASTING** 762217.67 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		71	No Sample		CLAYEY SILT, brown, dry, soft, non plastic, with sand, Topsoil at surface SILTY CLAY, brown, dry, medium stiff, low plasticity, some gravel	0
					CLAYEY SAND, dark brown with reddish brown, poorly graded, medium to coarse grained, moist, loose, mottled, with silt, some coal refuse, and construction debris No Recovery	
2		54	No Sample		Black, poorly graded, coarse grained, moist, loose, some fine gravel, black shiny material (ash)	0
					No Recovery	
4		100	No Sample		CLAYEY SAND, dark brown with reddish brown, poorly graded, medium to coarse grained, moist, loose, mottled, with silt, some coal refuse, and construction debris	0.8
					Large chunk of wood debris CLAYEY SAND, dark brown with reddish brown, poorly graded, medium to coarse grained, moist, loose, mottled, with silt, some coal refuse, and construction debris	
6		58	SSHS-B2329-SUB-6-8		CLAYEY SAND, dark brown with reddish brown, poorly graded, medium to coarse grained, moist, loose, mottled, with silt, some coal refuse, and construction debris CLAY, brown, low plasticity, large brick chunk at base CLAYEY SAND, dark brown with reddish brown, poorly graded, medium to coarse grained, moist, loose, mottled, with silt, some coal refuse, and construction debris	10.5
					GRAVEL, coarse grained, with rock fragments No Recovery	
8					Bottom of borehole at 8.0 feet.	

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BORING B2330

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/18 **COMPLETED** 8/28/18
NORTHING 754377.06 ft **EASTING** 762219.75 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, brown, moist, soft, some roots, Topsoil at surface	
			No Sample		Medium stiff	0
		58			CLAYEY SAND, brown, poorly graded, coarse grained, moist, loose, some fine gravel	
					No Recovery	
2					CLAYEY SAND, brown, poorly graded, coarse grained, moist, loose, some gravel with rock fragments, construction debris, black shiny material (ash)	
			No Sample			0
		79				
					No Recovery	
4					CLAYEY SAND, black to dark brown, poorly graded, coarse grained, moist, loose, some gravel with rock fragments, construction debris, black shiny material (ash)	
		92	SSHS-B2330-SUB-4-6		Large chunk of wood debris	1.4
					CLAYEY SAND, black to dark brown, poorly graded, coarse grained, moist, loose, some gravel with rock fragments, construction debris, black shiny material (ash)	
					Gray to white, concrete chunk	
6					No Recovery	

Bottom of borehole at 6.0 feet.

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BORING B2336

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/18 **COMPLETED** 8/28/18
NORTHING 754388.96 ft **EASTING** 762301.61 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		71	No Sample		SILTY CLAY, dark brown to brown, moist, soft, low plasticity, some roots	2.1
					Brown, poorly graded, coarse grained, stiff	
					CLAYEY SAND, dark brown, moist, loose, No Recovery	
2		71	SSHS-B2336-SUB-2-4		GRAVEL, dark gray with white, with rock fragments, some black shiny material (ash)	2.7
					Black, hydrocarbon odor	
4					No Recovery	

Bottom of borehole at 4.0 feet.

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BORING B2338

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/18 **COMPLETED** 8/28/18
NORTHING 754352.87 ft **EASTING** 762314.57 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, brown, moist, soft, non plastic, some roots	
			No Sample		Stiff	2.3
		67			CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some construction debris, some black shiny material (ash), red and white brick fragments No Recovery	
2			SSHS-B2338-SUB-2-4		CLAYEY SAND, light brown with black, poorly graded, coarse grained, moist, loose, mottled, some construction debris, some black shiny material (ash), red and white brick fragments	2.9
		58				
4					Bottom of borehole at 4.0 feet.	

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BORING B2339

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/18 **COMPLETED** 8/28/18
NORTHING 754331.62 ft **EASTING** 762329.22 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0			No Sample		SILTY CLAY, brown, moist, soft, low plasticity, some roots	
					Stiff	2.4
		54			CLAYEY SAND, dark brown, poorly graded, moist, loose, some construction debris No Recovery	
2					CLAYEY SAND, dark brown, poorly graded, moist, loose, some construction debris, some black shiny material (ash)	
			SSHS-B2339-SUB-2-4		SILTY SAND, black to dark reddish brown, poorly graded, coarse grained, moist, loose, trace clay, some gravel, and black shiny material (ash)	2.1
		67			SILTY SAND, black to dark reddish brown, poorly graded, coarse grained, moist, loose, trace clay, some gravel, and black shiny material (ash), iron oxide staining No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2340

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/18 **COMPLETED** 8/28/18
NORTHING 754370.46 ft **EASTING** 762308.18 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		63	SSHS-B2340-SUB-0.17-2		SILTY CLAY, brown, moist, loose, low plasticity, some roots Stiff	2.2
					CLAYEY SAND, dark brown, moist, loose, some gravel, some construction debris No Recovery	
2		63	SSHS-B2340-SUB-2-4		CLAYEY SAND, dark brown to light brown, dry to moist, loose, some gravel with rock fragments, some construction debris	2.7
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2346

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/18 **COMPLETED** 8/28/18
NORTHING 754501.67 ft **EASTING** 762323.16 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, brown, moist, loose, low plasticity, some roots Stiff	
		75	No Sample		CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some gravel, construction debris, black shiny material (ash)	0
					No Recovery	
2					CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some gravel, construction debris, black shiny material (ash), some red brick	
		67	SSHS-B2346-SUB-2-4			1.1
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2356

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/18 **COMPLETED** 8/28/18
NORTHING 754357.15 ft **EASTING** 762229.4 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, brown, moist, loose to stiff, low plasticity, some roots	
			No Sample		CLAYEY SAND, dark brown, coarse grained, moist, loose, some fine to coarse gravel, some construction debris, some black shiny material (ash)	1.4
		63			No Recovery	
2					CLAYEY SAND, dark brown, coarse grained, moist, loose, some fine to coarse gravel, some construction debris, some black shiny material (ash)	
			SSHS-B2356-SUB-2-4			2
		79			Black	
					No Recovery	
4					CLAYEY SAND, black, coarse grained, moist, loose, some fine to coarse gravel, some construction debris, some black shiny material (ash)	
			SSHS-B2356-SUB-4-6		White with light gray, very little clay	1.8
		83			CLAYEY SAND, black, coarse grained, moist, loose, some fine to coarse gravel, some construction debris, some black shiny material (ash)	
					No Recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B2357

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/18 **COMPLETED** 8/28/18
NORTHING 754364.03 ft **EASTING** 762245.85 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					CLAYEY SILT, brown, dry, soft, non plastic, trace sand, Topsoil at surface	
			No Sample			1.4
		54			SILTY CLAY, brown, moist, medium stiff to stiff, low plasticity, trace roots CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some gravel, some construction debris, and black shiny material (ash)	
					No Recovery	
2					CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, mottled, some gravel, some construction debris, and black shiny material (ash)	
		96	SSHS-B2357-SUB-2-4			5.4
					Black	
4					No Recovery	
					Bottom of borehole at 4.0 feet.	

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BORING B2362

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/18 **COMPLETED** 8/28/18
NORTHING 754463.44 ft **EASTING** 762338.19 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	No Sample		CLAYEY SILT, brown, dry, soft, non plastic, some roots	2
					SILTY CLAY, brown, stiff	
					CLAYEY GRAVEL, light brown, moist, loose, with sand, trace black shiny material (ash)	
					No Recovery	
2		83	No Sample		CLAYEY SAND, brown, poorly graded, coarse grained, moist, loose, some fine to coarse gravel, some black shiny material (ash), some construction debris	0.8
					Black with red, mottled	
					No Recovery	
4		54	SSHS-B2362-SUB-4-6		CLAYEY SAND, black with red, poorly graded, coarse grained, moist, loose, mottled, some fine to coarse gravel, some black shiny material (ash), some construction debris	0.1
					GRAVEL, tan and white, and construction debris, brick layer	
					No Recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B2376

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/18 **COMPLETED** 8/28/18
NORTHING 754312.68 ft **EASTING** 762394.34 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	SSHS-B2376-SUB-0.17-2		SILTY SAND, brown, well graded, fine grained, dry, loose, some fine sand, Topsoil at surface CLAYEY SAND, brown, coarse grained, dry, loose, some fine gravel, trace construction debris	1.3
2					No Reccovery Bottom of borehole at 2.0 feet.	

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BORING B2300

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754515.02 ft **EASTING** 762295.8 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	SSHS-B2300-SUB-0.17-2		SILTY CLAY, brown, moist, soft, low plasticity Stiff	0.3
					CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some gravel, some construction debris, and black shiny material (ash) No Recovery	
2		75	SSHS-B2300-SUB-2-4		CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some gravel, some construction debris, and black shiny material (ash)	
					SILTY GRAVEL, gray with black, well graded, angular, fine to coarse grained, moist, loose, some sand, trace black shiny material (ash) No Recovery	1.5
4					Bottom of borehole at 4.0 feet.	

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BORING B2305

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754525.56 ft **EASTING** 762199.79 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		58	SSHS-B2305-SUB-0.17-2		SILTY CLAY, moist, soft, some organics	
					Medium dense to stiff	0.9
					No Recovery	
2		67	SSHS-B2305-SUB-2-4		CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some gravel, some construction debris, and black shiny material (ash)	
					SILTY SAND, black, poorly graded, coarse grained, moist, loose, some gravel with rock fragments, and construction debris, black shiny material (ash)	1.9
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2306

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754496.93 ft **EASTING** 762194.91 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	SSHS-B2306-SUB-0.17-2		SILTY CLAY, brown, dry, soft, low plasticity, some roots Moist, medium stiff	2
					CLAYEY SAND, dark brown with black, moist, loose, mottled, some fine gravel, some black shiny material (ash)	
					No Recovery	
2		67	SSHS-B2306-SUB-2-4		CLAYEY SAND, dark brown with black, moist, loose, mottled, some fine gravel, some black shiny material (ash)	2
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2307

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754479.46 ft **EASTING** 762201.26 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, brown, moist, soft, low plasticity, some roots	
			SSHS-B2307-SUB-0.17-2		Medium stiff	2
		71			CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some gravel, some black shiny material (ash)	
					No Recovery	
2					CLAYEY SAND, grayish brown, poorly graded, coarse grained, moist, loose, some gravel, some black shiny material (ash), some silt	
			SSHS-B2307-SUB-2-4		CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some gravel, some black shiny material (ash)	2.4
		67			GRAVEL, light gray, construction debris	
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2315

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754336.58 ft **EASTING** 762344.73 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B2315-SUB-0.17-2		SILTY CLAY, brown, moist, soft, low plasticity, some roots	2.3
					Stiff	
					SILTY SAND, light brown, well graded, coarse grained, moist, loose, some fine to coarse gravel	
					CLAYEY SAND, dark brown, coarse grained, moist, some construction debris, some gravel	
					No Recovery	
2		63	SSHS-B2315-SUB-2-4		CLAYEY SAND, dark brown, coarse grained, moist, some construction debris, some gravel	10
					SILTY SAND, dark reddish brown, well graded, fine grained, moist to wet to wet, dense, some fine gravel, trace black shiny material (ash)	
					CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, dense, some gravel, trace construction debris	
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2316

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754440.47 ft **EASTING** 762325.48 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, soft, non plastic, some roots, Topsoil at surface	
			No Sample		SILTY CLAY, brown, moist, stiff, low plasticity, some roots	1
		71			CLAYEY SAND, dark brown, coarse grained, moist, loose, some fine to coarse gravel, some black shiny material (ash)	
					No Recovery	
2					CLAYEY SAND, dark brown, coarse grained, moist, loose, some fine to coarse gravel, some black shiny material (ash), trace construction debris	
			SSHS-B2316-SUB-2-4			1.3
		75			SILTY SAND, brownish gray, poorly graded, coarse grained, moist, loose, trace clay, some coarse gravel	
					SILTY SAND, tan, well graded, fine grained, moist, loose	
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2317

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754424.14 ft **EASTING** 762333.02 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		63	SSHS-B2317-SUB-0.17-2		SILTY CLAY, brown, moist, low plasticity, some roots Stiff SILTY GRAVEL, poorly graded, fine to coarse grained, with coarse sand, construction debris, trace clay No Recovery	1
2		83	SSHS-B2317-SUB-2-4		SILTY GRAVEL, brown, poorly graded, fine to coarse grained, with coarse sand, construction debris, trace clay CLAYEY GRAVEL, black, poorly graded, some construction debris, and black shiny material (ash) SILTY SAND, reddish brown, fine grained, moist, medium dense, trace construction debris No Recovery	2
4					Bottom of borehole at 4.0 feet.	

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BORING B2318

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754461.38 ft **EASTING** 762274.89 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	SSHS-B2318-SUB-0.17-2		SILTY CLAY, brown, moist, soft, low plasticity, some roots Stiff	1.1
					CLAYEY SAND, dark brown, moist, loose, some construction debris, and black shiny material (ash)	
					No Recovery	
2		54	SSHS-B2318-SUB-2-4		CLAYEY SAND, dark brown, moist, loose, some construction debris, and black shiny material (ash)	0.5
					SAND, dark brown, with silt, trace clay Red, construction debris, brick fragments No Recovery	
4			Repeated refusal at 4'		Bottom of borehole at 4.0 feet.	

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BORING B2320

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754480.32 ft **EASTING** 762266.76 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	No Sample		SILTY CLAY, brown, dry, medium stiff, some roots Moist, stiff CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some fine to coarse gravel No Recovery	2.2
2		58	SSHS-B2320-SUB-2-4		CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some fine to coarse gravel SILTY CLAY, brown, moist, soft, low plasticity, some coarse sand GRAVEL, gray, rock fragments, some coarse sand, few silt Red, construction debris, large red brick debris No Recovery	2
4			Repeated Refusal at 4'		Bottom of borehole at 4.0 feet.	

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BORING B2321

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754501.33 ft **EASTING** 762259.51 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, brown, moist, soft, low plasticity, some roots, Topsoil at surface	
					Stiff	
			No Sample			2.1
		67			CLAYEY SAND, dark brown, poorly graded, medium to coarse grained, moist, loose, some gravel, some black shiny material (ash)	
					No Recovery	
2					CLAYEY SAND, dark brown, poorly graded, medium to coarse grained, moist, loose, some gravel, some black shiny material (ash)	
			SSHS-B2321-SUB-2-4		Red and white, construction debris, brick and concrete	1.8
		58			SILTY SAND, gray brown, poorly graded, medium grained, moist, loose, some gravel No recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2326

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754454.01 ft **EASTING** 762256.03 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, brown, moist, soft, low plasticity, some roots	
			No Sample		Stiff	1.2
		71			CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some gravel, some construction debris, and black shiny material (ash)	
					No Recovery	
2					CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some gravel, some construction debris, and black shiny material (ash)	
			SSHS-B2326-SUB-2-4		Gray red, construction debris, concrete and red brick	1
		67			CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some gravel, some construction debris, and black shiny material (ash)	
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2331

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754383.32 ft **EASTING** 762238.47 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, brown, moist, medium stiff, some roots	
		92	No Sample		CLAYEY SAND, dark brown, poorly graded, medium to coarse grained, moist, medium dense, some fine to medium gravel, trace black shiny material (ash)	0.7
					CLAYEY SAND, reddish brown, well graded, moist, medium dense, mottled, some fine to medium gravel, trace black shiny material (ash)	
2					No Recovery	
					CLAYEY SAND, reddish brown, well graded, moist, medium dense, mottled, some fine to medium gravel, trace black shiny material (ash)	
			SSHS-B2331-SUB-2-4		Dark brown, some black shiny material (ash), and gravel, hydrocarbon odor	22.6
		71			No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2333

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754398.12 ft **EASTING** 762277.72 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0			No Sample		SILTY CLAY, brown, low plasticity, some roots, trace gravel, worms	1.7
		58			CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some fine gravel, trace construction debris No Recovery	
2			SSHS-B2333-SUB-2-4		CLAYEY SAND, dark brown with black, poorly graded, coarse grained, moist, loose, mottled, some coarse gravel, trace construction debris, some black shiny material (ash)	1.2
		71			Dark reddish brown, some black shiny material (ash) No Recovery	
4			SSHS-B2333-SUB-4-6		CLAYEY SAND, dark reddish brown with black, poorly graded, coarse grained, moist, loose, mottled, some coarse gravel, trace construction debris, some black shiny material (ash) SILTY SAND, light reddish brown, fine grained, moist, loose CLAYEY SAND, dark gray, well graded, medium grained, some fine to coarse gravel, trace black shiny material (ash)	22.2
		71			GRAVEL, Concrete chunk No Recovery	
6			Repeated refusal at 6'.		Bottom of borehole at 6.0 feet.	

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BORING B2334

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754404.27 ft **EASTING** 762295.07 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		54	No Sample		SILTY CLAY, brown, moist, soft, some roots Stiff	1.4
					Dark brown, some sand, and fine gravel No Recovery	
2		83	SSHS-B2341-SUB-2-4		GRAVEL, with rock fragments CLAYEY SAND, dark brown with black, poorly graded, coarse grained, moist, loose, mottled, some construction debris, black shiny material (ash)	2.5
					SILTY SAND, dark brown with black, mottled	
4					No Recovery	

Bottom of borehole at 4.0 feet.

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BORING B2335

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754376.53 ft **EASTING** 762327.83 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0			No Sample		SILTY CLAY, brown, moist, soft, some roots Stiff	2.4
		58			GRAVEL, white, with rock fragments CLAYEY SAND, dark brown to black, poorly graded, coarse grained, moist, loose, some black shiny material (ash), some gravel No Recovery	
2		100	SSHS-B2335-SUB-2-4		CLAYEY SAND, dark brown to black, poorly graded, coarse grained, moist, loose, some black shiny material (ash), some gravel SILTY SAND, dark brown to black, trace clay	1.9
4					CLAYEY SAND, dark gray, poorly graded, coarse grained, moist, loose, some fine gravel, trace black shiny material (ash) No Recovery Bottom of borehole at 4.0 feet.	

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BORING B2337

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754357.16 ft **EASTING** 762335.97 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, brown, moist, soft, low plasticity, some roots	
					Stiff	
			No Sample			1.8
		63			CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose to dense, some gravel, some black shiny material (ash), and construction debris	
					No Recovery	
2					CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose to dense, some gravel, some black shiny material (ash), and construction debris	
		83	SSHS-B2337-SUB-2-4			2.2
					SILTY SAND, brown, trace chert, some clay, and construction debris	
					No Recovery	
4					Bottom of borehole at 4.0 feet.	

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BORING B2358

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754476.14 ft **EASTING** 762312.16 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	No Sample		SILTY CLAY, brown, moist, soft, low plasticity, some roots, trace fine gravel	
					Stiff, some coarse gravel, some sand	
					SILTY SAND, dark brown, poorly graded, coarse grained, moist, loose, some coarse gravel, some construction debris, and black shiny material (ash)	0.3
					No Recovery	
2		83	No Sample		SILTY SAND, dark brown, poorly graded, coarse grained, moist, loose, some coarse gravel, some construction debris, and black shiny material (ash)	
					CLAYEY SAND, brown, coarse grained, moist, loose, some fine to coarse gravel, trace construction debris	1.8
					Dense	
					No Recovery	
4		54	SSHS-B2358-SUB-4-6		CLAYEY SAND, brown with reddish brown, coarse grained, moist, loose, mottled, some fine to coarse gravel, trace construction debris	2.6
					No Recovery	
6					Bottom of borehole at 6.0 feet.	

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BORING B2367

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754430.95 ft **EASTING** 762306.71 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		50	No Sample		SILTY CLAY, brown, moist, soft, low plasticity, some roots Medium stiff	2.5
					No Recovery	
2		88	No Sample		CLAYEY SAND, dark brown to black, poorly graded, coarse grained, moist, loose, some fine to coarse gravel Black, with black shiny material (ash), gravel is rounded to angular Red, construction debris, large brick fragment SILTY SAND, tan, well graded, fine grained, wet, loose, some fine gravel	2.2
					No Recovery	
4		63	No Sample		SILTY SAND, tan, well graded, fine grained, wet, dense, some fine gravel Black and tan, mottled Black, coarse grained, hydrocarbon odor Gray, fine grained, hydrocarbon odor GRAVEL, white, construction debris	2.3
					No Recovery	
6		50	SSHS-B2367-SUB-6-8		CLAYEY SAND, dark gray, coarse grained, moist, loose, some gravel, some black shiny material (ash) SILTY SAND, gray, some gravel CLAYEY SAND, dark gray, coarse grained, moist, loose, some gravel, some black shiny material (ash) Brown	2.5
					No Recovery	
8					Bottom of borehole at 8.0 feet.	

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BORING B2368

CLIENT _____ **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832 **PROJECT LOCATION** Elmira, New York

DATE STARTED 8/29/2018 **COMPLETED** 8/29/2018 **NORTHING** 754439.94 ft **EASTING** 762281.15 ft

DRILLER Cascade Technical Services, LLC **GROUND ELEVATION** --- **BORING DIAMETER** 2 in

DRILLING METHOD Direct Push **TOP OF CASING ELEVATION** ---

SAMPLING METHOD 2" x 5' Macrocore **UTILITY CONTRACTOR** ---

RIG TYPE Geoprobe **LOGGED BY** M. Bizjack **CHECKED BY** DRAFT

NOTES _____

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Soft, SILT, some roots, moist, brown, non plastic	
		No Sample		Medium stiff, SILTY CLAY, moist, brown, low plasticity	1.8
				CLAYEY SAND, some fine to coarse gravel, black shiny material (ash), coarse grained, dark brown, poorly graded	
				No Recovery	
2.5		No Sample		CLAYEY SAND, some fine to coarse gravel, black shiny material (ash), coarse grained, dark brown, poorly graded	1.7
				GRAVEL, and construction debris, white	
				No Recovery	
		No Sample		CLAYEY SAND, some fine to coarse gravel, black shiny material (ash), coarse grained, dark brown, poorly graded	1
				GRAVEL, and construction debris	
5.0				Loose, SILTY SAND, some construction debris, and black shiny material (ash), fine to medium grained, moist, dark reddish brown with black, well graded, mottled	
				No Recovery	
		SSHS-B2368-SUB-6-8		Loose, SILTY SAND, some construction debris, and black shiny material (ash), fine to medium grained, moist, dark reddish brown and black with brown, well graded, mottled	
				Becomes wet	0.7
				No Recovery	
7.5				Bottom of borehole at 8.0 feet.	

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BORING B2369

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/18 **COMPLETED** 8/29/18
NORTHING 754433.53 ft **EASTING** 762263.1 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, brown, moist, soft, low plasticity, some roots	
			No Sample		Stiff	1.2
		71			CLAYEY SAND, dark brown, poorly graded, coarse grained, moist, loose, some fine to coarse gravel, trace black shiny material (ash)	
					No Recovery	
2					SILTY GRAVEL, light gray to brown, well graded, moist, loose, some coarse sand, trace construction debris, fine to coarse gravel	
			No Sample			12.9
		54			CLAYEY SAND, brown, poorly graded, coarse grained, moist, loose, some construction debris	
					No Recovery	
4					CLAYEY SAND, dark brown to black, poorly graded, coarse grained, moist, loose, some construction debris	
					Red, construction debris, brick fragments	
			No Sample		SILTY SAND, reddish brown, well graded, fine grained, moist, loose	3.7
		63			No Recovery	
6					SILTY SAND, reddish brown, well graded, fine grained, moist, loose	
					SILTY SAND, black with red, moist, loose, trace construction debris, some black shiny material (ash), some clay, some wood debris	
			SSHS-B2369-SUB-6-8			5.1
		75			GRAVEL, gray, construction debris, concrete layer	
8					No Recovery	

Bottom of borehole at 8.0 feet.

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BORING B2341

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/18 **COMPLETED** 8/30/18
NORTHING 754287.16 ft **EASTING** 762237.31 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	No Sample		SILTY SAND, dark brown, well graded, fine grained, moist, loose, some clay, some roots	
					SILTY CLAY, brown, moist, stiff, low plasticity	
					CLAYEY SAND, dark brown, poorly graded, coarse grained, some fine to coarse gravel, some construction debris, and black shiny material (ash)	0.3
2		71	SSHS-B2333-SUB-2-4		No Recovery	
					CLAYEY SAND, dark brown, poorly graded, coarse grained, some fine to coarse gravel, some construction debris, and black shiny material (ash)	
					SILTY GRAVEL, light brown, with rock fragments, some coarse sand	
					CLAYEY SAND, dark brown, poorly graded, coarse grained, some fine to coarse gravel, some construction debris, and black shiny material (ash)	0.6
					No Recovery	
4		63	No Sample		CLAYEY SAND, brown and reddish brown, poorly graded, coarse grained, mottled, some fine to coarse gravel, some construction debris, and black shiny material (ash)	0.2
					SILTY SAND, black, poorly graded, coarse grained, moist, loose, some gravel	
					No Recovery	
6		67	SSHS-B2333-SUB-6-8		SILTY SAND, black, poorly graded, coarse grained, moist, loose, some gravel, some clay, trace construction debris	0.7
					SILTY SAND, grayish brown, poorly graded, coarse grained, moist, loose, some fine to coarse gravel, some clay, hydrocarbon odor	
					SILTY SAND, grayish brown, poorly graded, fine to medium grained, moist, loose, some fine to coarse gravel, some clay, trace gravel, hydrocarbon odor	
					No Recovery	
8		75	SSHS-B2333-SUB-8-10		Grayish brown, coarse grained, wet to moist, loose, some fine to coarse gravel, hydrocarbon odor	2.2
					Gray	
					No Recovery	
10					Bottom of borehole at 10.0 feet.	

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BORING B2385

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/18 **COMPLETED** 8/30/18
NORTHING 754464.19 ft **EASTING** 762071.61 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		71	SSHS-B2385-SUB-0.17-2		SILTY CLAY, moist, Topsoil SILTY GRAVEL, black, well graded, moist, loose, some sand	1.1
					CLAYEY SAND, brown to dark brown, poorly graded, coarse grained, moist, loose, some coarse gravel, some construction debris No Recovery	
2		88	SSHS-B2385-SUB-2-4		CLAYEY SAND, brown to dark brown, poorly graded, coarse grained, wet, loose, some coarse gravel, some construction debris	
					GRAVEL, coarse grained, with construction debris	
					SILTY SAND, dark brown to black, wet, loose, some chert, trace construction debris, some fine to coarse gravel	0
4					No Recovery	

Bottom of borehole at 4.0 feet.

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BORING B2386

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/18 **COMPLETED** 8/30/18
NORTHING 754526.67 ft **EASTING** 762047.94 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Bizjack **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	SSHS-B2386-SUB-0.17-2		SILTY CLAY, moist, Topsoil SILTY GRAVEL, black, well graded, moist, loose, some sand	1.2
					CLAYEY SAND, brown, poorly graded, coarse grained, moist, loose, some gravel, some construction debris Dark brown No Recovery	
2		75	SSHS-B2386-SUB-2-4		CLAYEY SAND, dark brown, poorly graded, coarse grained, wet, loose, some gravel, some construction debris GRAVEL, coarse grained, with construction debris CLAYEY SAND, dark brown, poorly graded, coarse grained, wet, loose, some gravel, some construction debris SILTY SAND, dark brown to black, wet, loose, some clay, trace construction debris, some fine to coarse gravel, glassy texture No Recovery	1.4
4					Bottom of borehole at 4.0 feet.	

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BORING B2513

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/29/18 **COMPLETED** 10/29/18
NORTHING 754425.2783 ft **EASTING** 762389.36 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		63	No Sample		SILTY SAND, (CL-ML) brown with dark gray, moist, soft, trace clay, some organics, some fine to coarse gravel	0
2						
4		83	SSHS-B2515-SUB-4-6 FD-1 Taken		SILTY SAND, (CL-ML) dark brown brown, dry, soft, some fine sand, some rock fragments	0
6					Bottom of borehole at 6.0 feet.	

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BORING B2520

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/29/18 **COMPLETED** 10/29/18
NORTHING 754407.765 ft **EASTING** 762401.9117 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		63	No Sample		SILTY CLAY, (CL-ML) brown, dry, stiff, some organics, some rock fragments	0
2		58	SSHS-B2520-SUB-2-4		SILTY SAND, (SP-SM) brown, fine grained, dry, some rock fragments	0
4					Bottom of borehole at 4.0 feet.	

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BORING B2521

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/29/18 **COMPLETED** 10/29/18
NORTHING 754516.4787 ft **EASTING** 762357.5524 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		63	No Sample		SILTY CLAY, (CL-ML) brown, dry, stiff, with rock fragments	0
2		71	SSHS-B2521-SUB-2-4		GRAVELLY SILT, (ML) brown, dry, stiff, trace clay, trace rock fragments	0
4					Bottom of borehole at 4.0 feet.	

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BORING B2522

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/29/18 **COMPLETED** 10/29/18
NORTHING 754498.4148 ft **EASTING** 762367.4448 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SILTY CLAY, (CL-ML) brown to dark gray, dry to moist, stiff, some organics, with rock fragments, and gravel	0
2		100	SSHS-B2522-SUB-2-4 FD-2 Taken		SILTY SAND, (SW-SM) dark brown and dark gray, medium to coarse grained, dry, stiff, with fine gravel, some rock fragments, FD-2 taken	1
4		92	SSHS-B2522-SUB-4-6		SILTY CLAY, (CL-ML) brown to dark brown, fine grained, dry, loose to stiff, with sand, some rock fragments	0
6					Bottom of borehole at 6.0 feet.	

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BORING B2523

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/29/18 **COMPLETED** 10/29/18
NORTHING 754439.4342 ft **EASTING** 762395.4287 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		58	No Sample		SILTY CLAY, (CL-ML) brown, dry, some organics, some rock fragments	0
2		96	SSHS-B2523-SUB-2-4		SILTY SAND, (SM) brown to black, fine grained, dry, very soft, some clay	
4		96	SSHS-B2523-SUB-4-6		SILTY SAND, (SM) brown to dark brown, fine grained, dry, soft, some coarse gravel, with rock fragments	0
6					Bottom of borehole at 6.0 feet.	

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BORING B2524

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/29/18 **COMPLETED** 10/29/18
NORTHING 754468.3073 ft **EASTING** 762385.3946 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SILTY CLAY, (SC-SM) reddish brown to brown, dry, stiff, some organics, some coarse gravel, some rock fragments	0
2		96	SSHS-B2524-SUB-2-4 MS/MSD-1		SILTY SAND, (SW-SM) brown to dark gray, fine grained, dry, soft, some clay, some rock fragments	0
4					Bottom of borehole at 4.0 feet.	

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BORING B2529

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/29/18 **COMPLETED** 10/29/18
NORTHING 754484.5156 ft **EASTING** 762339.5811 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILTY CLAY, (CL-ML) brown, moist, soft, low plasticity, some gravel, and rock fragments, some organics	0
2		100	No Sample		SILTY SAND, (SP-SM) grayish brown, moist, trace clay, some coarse sand, some gravel with rock fragments	0
4		92	SSHS-B2529-SUB-4-6		SILTY CLAY, (CL-ML) dark gray with dark brown, moist, hard, some rock fragments, slight odor	0
6					Bottom of borehole at 6.0 feet.	

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BORING B2530

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/29/18 **COMPLETED** 10/29/18
NORTHING 754408.6419 ft **EASTING** 762363.224 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Direct push to 4'.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, (CL-ML) brown, moist, soft, low plasticity, with rock fragments	
2		56	No Sample		SILTY SAND, (SP-SM) brown with dark grayish black, moist, soft, with rock fragments, with coarse gravel	0
4		79	SSHS-B2530-SUB-4-6		SILT, (ML) brown, moist, with rock fragments, trace clay, and medium to coarse sand	0
6					Bottom of borehole at 6.0 feet.	

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BORING B2532

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/29/18 **COMPLETED** 10/29/18
NORTHING 754282.141 ft **EASTING** 762271.6527 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B2532-SUB-0.17-2		SILTY CLAY, (CL-ML) dark brown to light gray, moist, stiff, some organics, some gravel with rock fragments, some medium sand	0
2		67	SSHS-B2532-SUB-2-4		SILT, (ML) dark gray to black, moist, stiff, some construction debris, trace sand, trace clay	0
4		63	SSHS-B2532-SUB-4-6		SILTY CLAY, (CL-ML) dark gray and black, moist, soft, medium plasticity, some rock fragments, some construction debris	0
6		54	SSHS-B2532-SUB-6-8		SILTY CLAY, (CL-ML) brown to light gray, moist, stiff to hard, with gravel	0
8		54	SSHS-B2532-SUB-8-10		Wet, soft	0
10						

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BORING B2532

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		83	SSHS-B2532-SUB-10-12		Moist to wet, with rock fragments	0
12		100	SSHS-B2532-SUB-12-14			0
14		100	SSHS-B2532-SUB-14-16		SANDY CLAY, (CL-ML) black to light gray, wet, soft, some fine sand, slight odor	1.2 5.3
16					Bottom of borehole at 16.0 feet.	

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BORING B2500

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754473.9677 ft **EASTING** 762104.7797 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD Grab Sample
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Top 2" not sampled.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2500-SUB-0.17-2		SILTY CLAY, (CL-ML) brown, moist, soft, low plasticity, with rock fragments	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2501

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754530.8079 ft **EASTING** 762082.8246 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Top 2" not sampled.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2501-SUB-0.17-2		SILTY CLAY, (CL-ML) brown to dark gray, moist, soft, low plasticity, with rock fragments	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2502

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754495.145 ft **EASTING** 762096.0088 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD Grab Sample
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Top 2" not sampled.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2502-SUB-0.17-2		SILTY CLAY, (CL-ML) brown, moist, soft, low plasticity, some organics, some rock fragments	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2503

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754513.4858 ft **EASTING** 762088.1359 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD Grab Sample
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Top 2" not sampled.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2503-SUB-0.17-2		SILTY CLAY, (CL-ML) brown to dark gray, moist, soft, low plasticity, some organics, some rock fragments	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2504

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754513.0791 ft **EASTING** 762016.475 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Top 2" not sampled.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2504-SUB-0.17-2		SILTY CLAY, (CL-ML) brown to gray, moist, soft, low plasticity, with rock fragments	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2505

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754481.4253 ft **EASTING** 762002.8697 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Top 2" not sampled.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2505-SUB-0.17-2		SILTY CLAY, (CL-ML) brown, moist, stiff, some gravel with rock fragments	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2506

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754451.5999 ft **EASTING** 762039.5928 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Top 2" not sampled.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2506-SUB-0.17-2		SILTY CLAY, (CL-ML) brown to light gray, moist, soft, medium plasticity	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2519

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754319.8364 ft **EASTING** 762174.1557 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILTY CLAY, (CL-ML) brown to dark brown, dry, stiff, some organics	
					(CL-ML) dark gray to black, with gravel, and rock fragments	0
2		79	SSHS-B2519-SUB-2-4		GRAVELLY SILT, (ML) dark gray to black, coarse grained, dry, hard, some rock fragments, some construction debris	0
4					Bottom of borehole at 4.0 feet.	

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BORING B2527

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754280.9163 ft **EASTING** 762249.1119 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Direct push to 6'. Refusal at 5' and 8'

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, (CL-ML) brown, dry, stiff, some gravel with rock fragments	
					Dark gray to black, trace chert	
2					Brown	
		56	No Sample			0
4						0
6					SILTY CLAY, (CL-ML) brown with dark gray, moist, with gravel with rock fragments, and rock fragments, trace chert	
		58	SSHS-B2527-SUB-6-8			0
8					(CL-ML) dark gray to dark brown, trace sand, slight odor	
		58	SSHS-B2527-SUB-8-10			4.2
10						

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BORING B2527

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		67	SSHS-B2527-SUB-10-12		(CL-ML) dark gray to black, moist to wet, soft, with rock fragments, hydrocarbon odor	4.8
12		42	SSHS-B2527-SUB-12-14		(CL-ML) dark gray and brown, slight odor	4.6
14		67	SSHS-B2527-SUB-14-16		(CL-ML) gray to dark gray, wet, soft, some sand, strong odor	9.7
16					Bottom of borehole at 16.0 feet.	

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BORING B2528

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754393.2168 ft **EASTING** 762135.7252 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD Grab Sample
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Top 2" not sampled.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2528-SUB-0.17-2		SILTY CLAY, (CL-ML) brown to dark brown, moist, soft, low plasticity, some organics	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2531

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754470.9027 ft **EASTING** 762029.4053 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Top 2" not sampled.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2531-SUB-0.17-2		SILTY CLAY, (CL-ML) brown, moist, soft, with rock fragments	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2533

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754362.7514 ft **EASTING** 762094.3953 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Direct push to 5' and from 5'-10'.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	No Sample		SILTY CLAY, (CL-ML) brown to gray, dry to moist, stiff, with gravel, and rock fragments	0
6		68	No Sample		SILTY SAND, (SP-SM) brown to gray, fine to coarse grained, moist, stiff, some clay, with gravel with rock fragments, trace construction debris	0

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BORING B2533

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B2533-SUB-10-12		SILTY CLAY, (CL-ML) brown to light gray, moist, soft, some gravel with rock fragments, some medium to coarse sand	0
12		63	SSHS-B2533-SUB-12-14		SILTY CLAY, (CL-ML) brown, moist, soft, low plasticity, with gravel, some rock fragments	0
14		75	SSHS-B2533-SUB-14-16		SILT, (ML) brown, wet, with gravel, and rock fragments	0
16					Bottom of borehole at 16.0 feet.	

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BORING B2534

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754348.9447 ft **EASTING** 762070.1515 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Direct push to 5' and from 5'-10'.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, (CL-ML) brown to gray, coarse grained, dry, stiff, some gravel with rock fragments, some construction debris, trace chert	1.5
2		72	No Sample		Dark gray to black	
4						
6		67	No Sample		SILTY CLAY, (CL-ML) brown to gray, moist, stiff, with gravel with rock fragments	
8					Brown to dark brown, soft, with fine sand	0
10						

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BORING B2534

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		67	SSHS-B2534-SUB-10-12		SILTY CLAY, (CL-ML) brown and gray, moist, soft, with rock fragments	0.8
12		67	SSHS-B2534-SUB-12-14		(CL-ML) some sand	0
14		75	SSHS-B2534-SUB-14-16		(CL-ML) wet, gravel with rock fragments	0
16					Bottom of borehole at 16.0 feet.	

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BORING B2535

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754284.5779 ft **EASTING** 762228.067 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Direct push to 5' and from 5'-10'.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY CLAY, (CL-ML) brown to dark brown, coarse grained, moist, stiff, with gravel, and rock fragments, slight odor	
					Dark gray to black	
2		65	No Sample			
4						
					SILTY CLAY, (CL-ML) brown to dark gray, moist, stiff to soft, low plasticity, some rock fragments, trace chert	
6		32	No Sample			
8						
10						

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BORING B2535

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		42	SSHS-B2535-SUB-10-12		SILTY CLAY, (CL-ML) brown to gray, moist, some rock fragments	0
12		54	SSHS-B2535-SUB-12-14		(CL-ML) moist to wet, slight odor	0.2
14		75	SSHS-B2535-SUB-14-16		GRAVELLY SILT, (ML) light gray to dark gray, moist to wet, trace clay, trace sand, with rock fragments, hydrocarbon odor, strong odor	10.4
16					Bottom of borehole at 16.0 feet.	

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BORING B2536

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754295.1623 ft **EASTING** 754295.1623 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					CLAY, (CL) gray to dark gray, dry, very stiff, low plasticity, with organics	
2		70	No Sample		SILTY CLAY, (CL-ML) brown to dark brown, dry to moist, very stiff, some gravel with rock fragments	
6		53	No Sample		GRAVELLY SILT, (ML) brown to dark brown, coarse grained, moist, soft, with rock fragments	
8						
10						

DRAFT

(Continued Next Page)

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BORING B2536

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100			GRAVELLY SILT, (ML) brown to dark brown, moist, soft, with clay, some rock fragments	
12		100	SSHS-B2526-SUB-12-14 FD-3 Taken		(ML) moist to wet	1.3
14					Bottom of borehole at 14.0 feet.	

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BORING B2537

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754301.2497 ft **EASTING** 762255.0275 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Top 2" not sampled.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2537-SUB-0.17-2 FD-4 taken		SILTY CLAY, (CL-ML) brown to gray, moist to wet, soft, with gravel with rock fragments	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2538

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754397.6784 ft **EASTING** 762092.1448 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Top 2" not sampled.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	SSHS-B2538-SUB-0.17-2		SILTY CLAY, (CL-ML) brown to gray, moist, stiff, with gravel, and rock fragments, some construction debris	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2540

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/30/18 **COMPLETED** 10/30/18
NORTHING 754333.5269 ft **EASTING** 762163.9331 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		71	No Sample		SILTY CLAY, (CL-ML) brown with gray, dry, stiff to soft, with organics, with rock fragments	
2		71	SSHS-B2540-SUB-2-4 MS/MSD-2		SILTY CLAY, (CL-ML) gray to dark gray, moist, stiff, with gravel with rock fragments, some construction debris	0
4					Bottom of borehole at 4.0 feet.	

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BORING B2507

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754532.2906 ft **EASTING** 762178.0051 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES No PID, malfunction

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILTY CLAY, (CL-ML) brown to dark grayish black, coarse grained, moist, stiff, some gravel with rock fragments	
2		83	SSHS-B2507-SUB-2-4		SILTY CLAY, (CL-ML) brown to gray, moist, soft, with gravel, few rock fragments, few construction debris	
4					Bottom of borehole at 4.0 feet.	

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BORING B2508

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754545.8235 ft **EASTING** 762190.332 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	No Sample		SILTY CLAY, (CL-ML) brown, moist, stiff, some organics, some gravel, trace construction debris	
2		92	SSHS-B2508-SUB-2-4 FD-5 Taken		SILTY CLAY, (CL-ML) brown with dark grayish black, moist, soft, low plasticity, with rock fragments, some coarse sand, some construction debris	
4					Bottom of borehole at 4.0 feet.	

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BORING B2509

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754508.781 ft **EASTING** 762188.5048 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	No Sample		SILTY CLAY, (CL-ML) brown with dark gray, moist, stiff, some organics, some gravel with rock fragments, trace sand	0
2		75	SSHS-B2509-SUB-2-4		SILTY CLAY, (CL-ML) brownish gray with dark grayish black, moist, stiff, some gravel with rock fragments, some construction debris, trace chert	0
4					Bottom of borehole at 4.0 feet.	

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BORING B2510

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754134.7572 ft **EASTING** 762175.5226 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES No PID, malfunction

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	No Sample		SILTY CLAY, (CL-ML) brown to dark brown, moist, stiff, some organics, some gravel, trace construction debris	
2		83	SSHS-B2510-SUB-2-4		SILT, (ML) gray, dry to moist, with rock fragments, trace construction debris	
4					Bottom of borehole at 4.0 feet.	

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BORING B2511

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754535.0189 ft **EASTING** 762220.3966 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES No PID, malfunction

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILTY CLAY, (CL-ML) brown to dark gray, moist, stiff, some organics, and gravel with rock fragments, trace sand	
2		100	SSHS-B2511-SUB-2-4		SILTY SAND, (SW-SM) brown with black, fine to coarse grained, moist, loose, some gravel with rock fragments, some clay	
4					Bottom of borehole at 4.0 feet.	

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BORING B2512

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754326.8834 ft **EASTING** 762189.5586 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES No PID, malfunction

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	No Sample		SILTY CLAY, (CL-ML) brown with gray, moist, stiff, some organics, with rock fragments	
2		100	SSHS-B2512-SUB-2-4		SILTY CLAY, (CL-ML) brown with gray, coarse grained, dry to moist, some gravel with rock fragments Black	
4					Bottom of borehole at 4.0 feet.	

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BORING B2514

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754303.0078 ft **EASTING** 762225.0209 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES No PID, malfunction

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILTY CLAY, (CL-ML) brown with black, moist, stiff, some organics, with rock fragments	
2		100	SSHS-B2514-SUB-2-4		SILTY CLAY, (CL-ML) brown to gray, fine to coarse grained, moist, soft, with gravel, and rock fragments	
4					Bottom of borehole at 4.0 feet.	

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BORING B2515

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754323.5765 ft **EASTING** 762216.7009 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES No PID, malfunction

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	No Sample		SILTY CLAY, (CL-ML) brown with gray, moist, stiff, some rock fragments	
2		100	SSHS-B2515-SUB-2-4		GRAVELLY SILT, (ML) black to gray, moist, stiff, some coarse sand, some clay, some rock fragments	
4					Bottom of borehole at 4.0 feet.	

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BORING B2516

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754331.0323 ft **EASTING** 762271.096 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES No PID, malfunction

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	No Sample		SILTY CLAY, (CL-ML) black, coarse grained, dry to moist, soft, with gravel, and rock fragments Brown	
2		88	SSHS-B2516-SUB-2-4		SILTY CLAY, (CL-ML) brown to dark gray, dry to moist, some gravel with rock fragments, some coarse sand, trace chert	
4					Bottom of borehole at 4.0 feet.	

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BORING B2517

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754319.1468 ft **EASTING** 762247.6113 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Top 2" not sampled. No PID, malfunction

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2517-SUB-0.17-2		SILTY CLAY, (CL-ML) brown and gray, coarse grained, moist, stiff, with gravel, and rock fragments, trace construction debris	
2		100	SSHS-B2517-SUB-2-4		SILTY CLAY, (CL-ML) gray to black, moist, stiff, some rock fragments, trace sand, slight odor	
4					Bottom of borehole at 4.0 feet.	

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BORING B2518

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754416.7833 ft **EASTING** 762183.4482 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	No Sample		SILTY CLAY, (CL-ML) brown with dark brown, moist, stiff, with organics, some gravel with rock fragments	0
2		79	SSHS-B2518-SUB-2-4		SILTY CLAY, (CL-ML) brown and dark gray, moist, stiff, some coarse sand, some rock fragments	0
4					Bottom of borehole at 4.0 feet.	

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BORING B2525

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754500.1695 ft **EASTING** 762272.6493 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Direct push to 4'. No PID, malfunction

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		60	No Sample		SILTY CLAY, (CL-ML) brownish gray to dark grayish black, moist, stiff, low plasticity, some organics, some rock fragments, trace sand	
2						
4		83	SSHS-B2525-SUB-4-6 FD-6 Taken		SILTY CLAY, (CL-ML) black and reddish brown, moist, stiff, with rock fragments, some clay	
6					Bottom of borehole at 6.0 feet.	

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BORING B2526

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754493.1365 ft **EASTING** 762251.5903 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES Direct pust to 4'. No PID, malfunction

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		65	No Sample		SILTY CLAY, (CL-ML) brown, moist, stiff, some organics, trace construction debris	
4		88	SSHS-B2526-Sub-4-6 MS/MSD-3		SILTY CLAY, (CL-ML) brown to dark gray, moist, stiff, some gravel with rock fragments, some construction debris, some fine to coarse sand	
6					Bottom of borehole at 6.0 feet.	

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BORING B2539

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/31/18 **COMPLETED** 10/31/18
NORTHING 754348.9373 ft **EASTING** 762154.0164 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 3.25 in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD Grab Sample
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY A. Ambrosino **CHECKED BY** A.Ranna
NOTES No PID, malfunction

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILTY CLAY, (CL-ML) brown, moist, soft, low plasticity, some organics	
2		100	SSHS-B2539-SUB-2-3		(CL-ML) moist to wet, some rock fragments	

Bottom of borehole at 3.0 feet.

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BORING B2747

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/23/19 **COMPLETED** 4/23/19
NORTHING 754141.566 ft **EASTING** 762204.805 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, dark brown, moist, medium dense, some fine sand	
		100	No Sample		SAND, moist, medium dense, with gravel, some rock fragments	0
2					Geotextile SAND, brown, fine to coarse grained, loose, with gravel, some rock fragments	
		88	SSHS-B2747-SUB-2-4		SAND, black, moist, medium dense, with silt, some gravel	0
4					No Recovery	
		88	No Sample		SAND, dark brown to black, dry to moist, medium dense, with gravel, and silt, few rock fragments	0
6					No Recovery	
		75	SSHS-B2747-SUB-6-8		SILTY SAND, dark brown to brown, fine to coarse grained, moist, loose to medium dense, with gravel	0
					No Recovery	
8					GRAVELLY SAND, dark brown to light brown, fine to coarse grained, moist, loose to medium dense, with silt, Increasing gravel towards bottom	
		58	SSHS-B2747-SUB-8-10			0
					No Recovery	
10						

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BORING B2747

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B2747-SUB-10-12		SILTY SAND, dark brown, fine to coarse grained, moist, medium dense, with gravel	
					SILTY SAND, dark brown, fine to coarse grained, moist, medium dense, with gravel, rock fragments	
					SILTY SAND, dark brown, fine to coarse grained, moist, medium dense, with gravel	0
					No Recovery	
12		79	SSHS-B2747-SUB-12-14		SILTY SAND, dark brown to light brown, fine to coarse grained, dry to moist, loose to medium dense, with gravel	0
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2753

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/23/19 **COMPLETED** 4/23/19
NORTHING 754155.271 ft **EASTING** 762172.258 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, some fine sand	
		58	No Sample		SILTY SAND, moist, medium dense, with gravel, Geotextile at 2'	0
					No Recovery	
2					SILTY SAND, brown to black, fine to coarse grained, moist, medium dense to dense, with gravel	
		79	SSHS-B2753-SUB-2-4			0
					Black	
					No Recovery	
4					SILT, black to brown, moist, medium dense, with sand, some gravel, Increasing gravel towards 6'	
		88	SSHS-B2753-SUB-4-6			0
					No Recovery	
6					SILT, dark brown to tan, fine to coarse grained, moist, medium dense, with sand, some gravel	
		71	SSHS-B2753-SUB-6-8			0.1
					No Recovery	
8					SAND, light brown to dark brown, fine to coarse grained, moist, loose, with silt, and gravel	
		63	SSHS-B2753-SUB-8-10			0
					No Recovery	
10						

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BORING B2753

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND, brown, moist, medium dense, with gravel	
			SSHS-B2753-SUB-10-12			0
		54			SILTY SAND, brown, moist, medium dense, with gravel, some clay	
					SILTY SAND, brown, moist, medium dense, with gravel	
					No Recovery	
12					SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel, some rock fragments	
			SSHS-B2753-SUB-12-14			0
		67			No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2766

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/23/19 **COMPLETED** 4/23/19
NORTHING 754179.825 ft **EASTING** 762166.218 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense	
					SAND, brown, fine to coarse grained, moist, medium dense, with silt, and gravel	
2		79	No Sample			0
					No Recovery	
4					SAND, brown, loose, with gravel, trace silt	
		75	No Sample		SILT, dark brown, moist, medium stiff, with gravel	0
					No Recovery	
6					SILTY SAND, dark brown, fine to coarse grained, moist, loose to medium dense, with gravel	
		67	SSHS-B2766-SUB-6-8			0
					No Recovery	
8					Bottom of borehole at 8.0 feet.	

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BORING B2767

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/23/19 **COMPLETED** 4/23/19
NORTHING 754168.039 ft **EASTING** 762226.945 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	SSHS-B2767-SUB-0-2		SILT, with sand, and organics SAND, brown, fine to coarse grained, moist, medium dense to dense, with silt, and gravel	1.3
2		100	SSHS-B2767-SUB-2-4		No Recovery SAND, brown, fine to coarse grained, dry to moist, medium dense, with gravel, and silt, some black shiny material (ash)	1.2
4		92	SSHS-B2767-SUB-4-6		SAND, brown, fine to coarse grained, dry to moist, medium dense, with gravel, and silt, some black shiny material (ash), Rock fragments Black shiny material No Recovery	1.9
6		67	SSHS-B2767-SUB-6-8		SAND, black to brown, dry to moist, loose to medium dense, with gravel, some silt, Rock fragments from 7.5'-8' No Recovery	2.9
8		67	SSHS-B2767-SUB-8-10		SAND, brown, fine to coarse grained, moist, medium dense, with gravel, and silt No Recovery	0.8
10						

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BORING B2767

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		96	SSHS-B2767-SUB-10-12		SAND, brown to light brown, fine to coarse grained, medium dense, with gravel, and silt	1.2
12		63	SSHS-B2767-SUB-12-14		No Recovery SAND, brown, fine to coarse grained, medium dense, with silt, and gravel, some clay, Rock fragments toward bottom No Recovery	1
14					Bottom of borehole at 14.0 feet.	

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BORING B2634

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/24/19 **COMPLETED** 4/24/19
NORTHING 754234.042 ft **EASTING** 762253.435 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILT, moist, medium dense, with fine sand	
					SILTY SAND, brown to light brown, moist, medium dense, with gravel	0.6
2		67	No Sample		SILTY SAND, brown to dark brown, moist, medium dense, with gravel	0.3
					No Recovery	
4		67	No Sample		SILT, dark brown to dark gray, fine to coarse grained, moist, medium dense, with sand, and gravel, Red staining at 5' Slight odor at 6'	1.8
					No Recovery	
6		75	SSHS-B2634-SUB-6-8		SILT, brown to dark gray, fine to coarse grained, moist, medium dense, with fine to coarse sand, and gravel, some rock fragments, Slight odor	3.6
					No Recovery	
8		67	No Sample		SILT, brown to dark gray, fine to coarse grained, moist, medium dense, with fine to coarse sand, and gravel, some rock fragments GRAVEL, light brown, moist, medium dense, with sand, and silt	
					SILT, brown, moist, medium dense, with sand, and gravel	1.6
					No Recovery	
10						

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BORING B2634

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILT, dark gray, moist, medium dense, with sand, and gravel	
					SILT, moist, medium dense, with sand, and gravel, Slight odor	
		67	No Sample		GRAVEL, dark gray, moist, medium dense, with silt, and sand, Slight odor	3.3
					No Recovery	
12					SILT, dark gray, moist, soft to medium dense, with sand, some gravel, Odor	
		83	SSHS-B2634-SUB-12-14			4.5
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2637

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/24/19 **COMPLETED** 4/24/19
NORTHING 754239.368 ft **EASTING** 762269.339 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SILT, dark brown, moist, medium dense, with sand, and gravel	4.3
2		88	SSHS-B2637-SUB-2-4		Geotextile No Recovery SAND, brown, dry to moist, loose to medium dense, with gravel, and silt, some rock fragments SILT, dark brown, with sand, and gravel, trace black shiny material (ash)	5.1
4		67	SSHS-B2637-SUB-4-6		No Recovery SAND, dark brown, fine to coarse grained, loose to medium dense, with gravel, and silt, some rock fragments No Recovery	2.7
6		75	No Sample		SILT, dark gray, fine to coarse grained, moist, loose to medium dense, with sand, some gravel, few rock fragments, Becoming dark brown No Recovery	1.4
8		100	SSHS-B2637-SUB-8-10		SILT, dark gray, fine to coarse grained, moist, loose to medium dense, with sand, some gravel, few rock fragments SILT, dark gray, fine to coarse grained, moist, loose to medium dense, with sand, some gravel, few rock fragments, some construction debris Very slight odor SILT, tan, fine to coarse grained, moist, loose to medium dense, with sand, some gravel, few rock fragments	0.7
10						

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BORING B2637

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND, dark brown, fine to coarse grained, moist, loose, with gravel	
		100	No Sample		SILT, dark gray, moist, medium dense, with sand, and gravel, Slight odor	0.6
12					SILT, dark gray, moist, medium dense, with sand, and gravel, Slight odor	
		100	SSHS-B2637-SUB-10-12		SILT, dark gray, moist, medium dense, with sand, and gravel, Slight odor	7.2
14					Bottom of borehole at 14.0 feet.	

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BORING B2679

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/24/19 **COMPLETED** 4/24/19
NORTHING 754237.151 ft **EASTING** 762240.227 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	No Sample		SILT, brown, moist, medium dense, with fine sand SAND, brown, fine to coarse grained, moist, dense, with silt, and gravel	0
2		79	No Sample		No Recovery SAND, dark brown, fine to coarse grained, moist, medium dense, with silt, and gravel No Recovery	0.1
4		67	SSHS-B2679-SUB-4-6		SILT, brown, dry to moist, loose to medium dense, with sand, some gravel SILT, brown, dry to moist, loose to medium dense, with sand, some gravel, some rock fragments SILT, brown, dry to moist, loose to medium dense, with sand, some gravel No Recovery	0.1
6		58	No Sample		SILT, dark brown to dark gray, dry to moist, loose to medium dense, with sand, some gravel No Recovery	0.9
8		67	SSHS-B2679-SUB-8-10		SILT, dark brown to black, fine to coarse grained, moist, medium dense, with sand, and gravel	0.9
10						

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BORING B2679

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		63	SSHS-B2679-SUB-10-12		SANDY SILT, dark gray, moist, medium dense, with gravel, some rock fragments	0.3
					No Recovery	
12		63	No Sample		SANDY SILT, light brown, moist, medium dense to dense, with gravel	0.3
					No Recovery	
14		79	SSHS-B2679-SUB-14-16		SANDY SILT, dark brown to gray, moist, medium dense, with gravel, Slight odor Becomes moist to wet toward bottom	19.3
					No Recovery	
16					Bottom of borehole at 16.0 feet.	

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BORING B2724

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/24/19 **COMPLETED** 4/24/19
NORTHING 754215.582 ft **EASTING** 762190.925 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SILT, brown, moist, medium stiff SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel, Geotextile at 2'	0.1
2		75	SSHS-B2724-SUB-2-4		No Recovery SILTY SAND, brown, moist, medium dense, with gravel, some black shiny material (ash), and rock fragments SANDY SILT, with gravel No Recovery	0
4		83	SSHS-B2724-SUB-4-6		SANDY SILT, with gravel SANDY SILT, reddish orange, with gravel SANDY SILT, with gravel, construction debris SANDY SILT, with gravel No Recovery	0
6		67	SSHS-B2724-SUB-6-8		SANDY SILT, brown to dark brown, fine to coarse grained, moist, medium stiff, with gravel, some rock fragments SANDY SILT, brown to dark brown, fine to coarse grained, moist, medium stiff, with gravel, some rock fragments, construction debris No Recovery	0
8		75	No Sample		GRAVELLY SILT, dark brown, fine to coarse grained, moist, loose, with sand Becoming more clay No Recovery	0
10						

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BORING B2724

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SANDY SILT, brown, fine to coarse grained, moist, medium dense, with gravel	
		38	No Sample		No Recovery	0
12			SSHS-B2724-SUB-12-14		SILTY GRAVEL, brown, fine to coarse grained, moist, dense, with sand	
		54			SILTY SAND, gray, fine to coarse grained, moist, medium dense, with gravel, Odor	18.3
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2741

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/24/19 **COMPLETED** 4/24/19
NORTHING 754224.038 ft **EASTING** 762202.177 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, dense, with organics	
					SILTY SAND, brown, fine to coarse grained, moist, loose to medium dense, with gravel, some rock fragments	
2		72	No Sample			0.8
					No Recovery	
4						
					SILTY SAND, brown, fine to coarse grained, moist, loose to medium dense, with gravel, some rock fragments	
					SILT, brown, moist, medium dense, with sand, and gravel, some rock fragments	
6						
		48	No Sample		No Recovery	1.5
8						
10						

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BORING B2741

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B2741-SUB-10-12		SAND, light brown, with silt, and gravel, some rock fragments	
					SANDY SILT, dark brown, with gravel	11.6
					Concrete	
12					Bottom of borehole at 12.0 feet.	

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BORING B2743

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/24/19 **COMPLETED** 4/24/19
NORTHING 754240.592 ft **EASTING** 762206.751 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, stiff	
					SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel	
					SANDY SILT, dark brown, with gravel, Geotextile	
2		77	No Sample		SANDY SILT, moist, medium dense, rock fragments	0.2
4					No Recovery	
					SILTY SAND, light brown, dry to moist, loose to medium dense, with gravel	
6					Dark brown, rock fragments	
		70	No Sample		SANDY SILT, brown to black, moist, medium dense, with gravel, and rock fragments	0.1
8					No Recovery	
10						

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BORING B2743

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B2743-SUB-10-12		SILTY SAND, dark brown, moist, medium dense, with gravel SANDY SILT, dark brown to black, moist, medium stiff, with gravel Construction debris SILTY GRAVEL, with sand No Recovery	0.5
12					Bottom of borehole at 12.0 feet.	

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BORING B2752

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/24/19 **COMPLETED** 4/24/19
NORTHING 754134.027 ft **EASTING** 762125.876 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SILT, dark brown, moist, medium dense, with organics, and fine sand	0.1
					SILTY SAND, brown, moist, medium dense, with gravel, some rock fragments	
2		100	SSHS-B2752-SUB-2-4		No Recovery SILTY SAND, light brown to black, fine to coarse grained, dry, with gravel	0.5
					SILTY SAND, light brown to black, fine to coarse grained, dry, with gravel, some rock fragments	
4		100	SSHS-B2752-SUB-4-6		SILTY SAND, light brown to black, fine to coarse grained, dry, with gravel SILTY SAND, brown to black, fine to coarse grained, dry to moist, medium dense, with gravel, some rock fragments	0.6
					SILT, dark brown, moist, dense, with sand, Some black staining	
6		92	SSHS-B2752-SUB-6-8		Reddish brown, with silt, Sandstone SILT, dark brown, moist, medium dense, with fine to coarse sand, some construction debris	0.1
					SILT, with sand, and gravel	
8		88	SSHS-B2752-SUB-8-10		No Recovery SILT, dense, with sand, and gravel, some rock fragments, Black staining	1.5
10					No Recovery	

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BORING B2752

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		88	SSHS-B2752-SUB-10-12		SILT, dark brown, fine to coarse grained, moist, medium dense, with sand, and gravel, some rock fragments	3
					No Recovery	
12		83	SSHS-B2752-SUB-12-14		SILT, dark brown, fine to coarse grained, moist, loose to medium dense, with sand, and gravel, some rock fragments	0.8
					No Recovery	
14		100	SSHS-B2752-SUB-14-16		SAND, fine to coarse grained, moist, loose, with silt, and gravel	0.4
16					Bottom of borehole at 16.0 feet.	

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BORING B2629

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/25/19 **COMPLETED** 4/25/19
NORTHING 754254.38 ft **EASTING** 762282.196 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium stiff, with sand	
					SILTY SAND, brown with black, fine grained, moist, medium dense, with gravel	
					Geotextile SILTY SAND, brown with black, fine grained, moist, medium dense, with gravel	
			SSHS-B2629-SUB-0-4		Coal, black shiny material (ash)	3.3
2		79			Construction debris	
					SILT, dark brown, dense, with sand, and gravel	
					No Recovery	
4					SANDY SILT, black, moist, medium dense, with gravel, Odor	
		100	SSHS-B2629-SUB-4-6		SILT, with rock fragments, and sand	1.7
					SANDY SILT, reddish orange to dark gray, fine to coarse grained, with gravel, and rock fragments	
6					SILT, dark brown, fine to coarse grained, moist, medium dense, with sand, some gravel	
			SSHS-B2629-SUB-6-8			0.1
		75			Tannish yellow, rock fragments	
					No Recovery	
8					SILT, dark brown, fine to coarse grained, moist, medium dense, with sand, some gravel	
			SSHS-B2629-SUB-8-10			1.4
		71			Construction debris	
					No Recovery	
10						

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BORING B2629

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		88	SSHS-B2629-SUB-10-12		SANDY SILT, dark brown, fine to coarse grained, moist, loose to medium stiff, with gravel, becoming light brown silty sand toward bottom	0
					No Recovery	
12			No Sample		SILTY SAND, brown, moist, medium dense, with gravel, trace construction debris	
		67			SILTY GRAVEL, fine to coarse grained, moist, medium dense, with sand	0
					SAND, reddish orange, well graded, fine to coarse grained, moist, loose, trace gravel	
					No Recovery	
14					GRAVEL, moist, loose, with silt, and sand	
					SILT, fine to coarse grained, moist, medium stiff, with sand, some gravel	
		79	SSHS-B2629-SUB-14-16		SILTY GRAVEL, brown, fine to coarse grained, wet, medium dense, with sand	0.1
					No Recovery	
16					Bottom of borehole at 16.0 feet.	

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BORING B2660

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/25/19 **COMPLETED** 4/25/19
NORTHING 754262.785 ft **EASTING** 762141.96 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, dark brown, moist, medium stiff, with sand	
		100	No Sample		SILTY SAND, brown, fine to coarse grained, moist, loose to medium dense, with gravel, some rock fragments, Geotextile at 2'	0
2					SILTY SAND, brown, fine to coarse grained, moist, loose to medium dense, with gravel, some rock fragments	
		100	SSHS-B2660-SUB-2-4			0
					SILT, black, medium stiff, some sand, trace gravel	
4					SILT, dark brown to black, moist, medium stiff, with sand, some gravel	
		75	SSHS-B2660-SUB-4-6		Construction debris, with coal	1.9
					SILTY SAND, with gravel	
6					Bottom of borehole at 6.0 feet.	

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BORING B2661

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/25/19 **COMPLETED** 4/25/19
NORTHING 754253.595 ft **EASTING** 762186.408 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, dark brown, with sand, and organics SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel	
					Geotextile	
2		67	No Sample		SILT, brown to black, fine to coarse grained, moist, medium stiff, with sand, and gravel, some construction debris	5.3
					No Recovery	
4					SILT, brown to black, fine to coarse grained, moist, medium stiff, with sand, and gravel SILTY SAND, brown, fine to coarse grained, loose to medium dense, with gravel	
		71	No Sample		Construction debris SILT, dark brown, moist, medium stiff, with sand, and gravel	5.1
					No Recovery	
6					SILTY SAND, brown, fine to coarse grained, moist, loose to medium dense, with gravel	
			SSHS-B2662-SUB-6-8			3.5
		54			Construction debris No Recovery	
8					SILT, brown, moist, loose to medium stiff, with sand, and gravel	
					Dark gray	
		71	No Sample			4.6
					No Recovery	
10						

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BORING B2661

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B2662-SUB-10-12		SILT, dark brown, fine to coarse grained, moist, medium stiff, with sand, and gravel, some black shiny material (ash)	3.8
12					Rock fragments, and construction debris No Recovery Bottom of borehole at 12.0 feet.	

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BORING B2674

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/25/19 **COMPLETED** 4/25/19
NORTHING 754246.345 ft **EASTING** 762174.277 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium stiff, with sand	
					SILTY SAND, brown, dry to moist, medium dense, with gravel	
2		81	No Sample		SILT, fine to coarse grained, moist, stiff, with sand, trace gravel, rock fragments	3.4
					No Recovery	
4					SILTY SAND, brown to light brown, fine to coarse grained, moist, loose to medium dense, with gravel	
		100	No Sample		SANDY SILT, with gravel	0
6					SAND, brown, fine to coarse grained, moist, medium dense, with silt, and gravel	
		92	SSHS-B2674-SUB-6-8			0
8					No Recovery	

Bottom of borehole at 8.0 feet.

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BORING B2682

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/25/19 **COMPLETED** 4/25/19
NORTHING 754244.097 ft **EASTING** 762225.178 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SANDY SILT, dark brown, fine to coarse grained, moist, medium stiff, with gravel	0
2		71	SSHS-B2682-SUB-2-4		Geotextile at 2' SILTY SAND, brown to black, with gravel Yellow to tan No Recovery	0.1
4					Bottom of borehole at 4.0 feet.	

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BORING B2742

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/25/19 **COMPLETED** 4/25/19
NORTHING 754232.146 ft **EASTING** 762197.224 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, dark brown, moist, medium dense, with fine to coarse sand SILTY GRAVEL, dry to moist, medium dense to dense, with sand	
					Geotextile SILTY GRAVEL, dry to moist, medium dense to dense, with sand	
2		68	No Sample		SILTY GRAVEL, with sand, some rock fragments	2.4
					SILTY GRAVEL, with sand, construction debris	
					No Recovery	
4						
					SILTY SAND, brown, dry to moist, loose, with gravel	
					SILT, dark brown, moist, medium dense, with sand, and gravel	
6					SILT, with sand, and gravel, some rock fragments Dark gray	
		47	No Sample		No Recovery	2.3
8						
10						

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BORING B2742

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B2742-SUB-10-12		SANDY SILT, brown, fine to coarse grained, dry to moist, loose to medium dense, with gravel, some rock fragments	
					Light brown, construction debris	2.6
					No Recovery	
12					Bottom of borehole at 12.0 feet.	

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BORING B2760

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/25/19 **COMPLETED** 4/25/19
NORTHING 754233.568 ft **EASTING** 762088.211 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium stiff, with sand	
					SAND, brown, fine to coarse grained, moist, medium dense, with silt, and gravel	
2		83	No Sample			0
					CLAY, moist, loose, low plasticity, with sand, and gravel, rock fragments	
					No Recovery	
4					SANDY SILT, light brown, moist, loose, with gravel	
					Medium dense, rock fragments	
		100	SSHS-B2760-SUB-4-6		SANDY SILT, brown to black, moist, dense, with gravel	0
6					CLAY, dark brown, moist, medium stiff, medium plasticity, with sand, and gravel	
		75	SSHS-B2760-SUB-6-8		SANDY SILT, brown, moist, medium stiff, medium plasticity, with gravel	0
					No Recovery	
8					SILTY SAND, fine to coarse grained, with gravel	
					SILT, brown, fine to coarse grained, moist, medium stiff, with sand, and gravel	
		92	No Sample			0
10					No Recovery	

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BORING B2760

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					CLAY, moist, medium stiff, medium plasticity, with sand, some gravel	
		92	No Sample		SAND, fine to coarse grained, medium dense, with silt, some gravel	0
12					No Recovery SANDY SILT, brown to black, medium stiff, with gravel, rock fragments	
		75	No Sample			0
					No Recovery	
14					SANDY SILT, brown to black, medium stiff, with gravel	
		79	SSHS-B2760-SUB-14-16		SAND, brown, well graded, fine to coarse grained, wet, medium dense, some silt, becoming more gravel	0
					No Recovery	
16					Bottom of borehole at 16.0 feet.	

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BORING B2761

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/25/19 **COMPLETED** 4/25/19
NORTHING 754265.462 ft **EASTING** 762078.206 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium stiff, with sand, and organics	
					SAND, brown, fine to coarse grained, moist, medium dense, with silt, and gravel	
2		80	No Sample		SANDY SILT, dark brown, moist, medium stiff, with gravel	0
					SANDY SILT, dark brown, moist, medium stiff, with gravel, woodchips	
					SANDY SILT, dark brown, moist, medium stiff, with gravel, some coal, and construction debris	
4					No Recovery	
					SANDY SILT, dark gray, moist, medium stiff to stiff, with gravel, with rock fragments, Slight odor	
6					LEAN CLAY, light brown, moist, medium plasticity	
		75	No Sample			0
8					No Recovery	
10						

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BORING B2761

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SANDY SILT, black, fine to coarse grained, moist, medium stiff, with gravel	
		92	No Sample		SAND, brown, moist, loose to medium dense, with silt, and gravel, becoming more gravel toward bottom	0
12					No Recovery LEAN CLAY, yellow to tan, moist, medium soft, medium plasticity	
					CLAY, dark gray, moist, medium soft, medium plasticity, with sand, and gravel	
		75	SSHS-B2761-SUB-12-14		SANDY SILT, light brown, and gravel, rock fragments	0
					No Recovery	
14					SANDY CLAY, black to brown, moist, medium stiff, with gravel, Slight odor	
		92	SSHS-B2761-SUB-14-16			0
					SILTY GRAVEL, fine to coarse grained, wet, medium dense, with sand, becoming gray toward bottom	
16					No Recovery	

Bottom of borehole at 16.0 feet.

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BORING B2765

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/25/19 **COMPLETED** 4/25/19
NORTHING 754324.086 ft **EASTING** 762089.261 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium stiff, with sand	
					SAND, brown, fine to coarse grained, moist, loose, with silt, and gravel	
					Geotextile	
2		85	No Sample		SILT, brown, moist, medium stiff to stiff, with sand, and gravel	0
					No Recovery	
4					SILT, brown, moist, medium stiff to stiff, with sand, and gravel	
		96	No Sample		Construction debris	0
					SILT, brown to black, fine to coarse grained, moist, medium dense, with sand, some gravel	
6					No Recovery	
					SAND, light brown to tan, fine to coarse grained, loose, with silt, and gravel	
					SAND, light brown to tan, fine to coarse grained, loose, with silt, and gravel, construction debris	
		58	No Sample		No Recovery	0
8					SILT, black to brown, fine to coarse grained, moist, medium stiff, with sand, some gravel	
			No Sample			
		92			Construction debris	0
					SILTY SAND, with rock fragments, and construction debris	
10					No Recovery	

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BORING B2765

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
					Bottom of borehole at 10.0 feet.	

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BORING B2684

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/26/19 **COMPLETED** 4/26/19
NORTHING 754198.973 ft **EASTING** 762086.248 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Concrete	
		100	No Sample		SILT, brown, fine to coarse grained, dry to moist, medium stiff, with sand, and gravel	0
2					SILT, light brown to tan, fine to coarse grained, moist, medium stiff, with sand, and gravel	
		100	SSHS-B2684-SUB-2-4			0
4					SILT, light brown to tan, fine to coarse grained, moist, medium stiff, with sand, and gravel	
		88	No Sample		SANDY LEAN CLAY, light brown, moist, medium stiff, low plasticity, some gravel	0
					No Recovery	
6					SILT, light brown, moist, medium stiff, with sand, and gravel	
		92	No Sample			0
					SAND, brown, moist, medium dense, with silt, and gravel	
8					No Recovery	
					SAND, brown, moist, medium dense, with silt, and gravel	
		67	SSHS-B2684-SUB-8-10			0
					SAND, brown, moist, medium dense, with silt, and gravel	
					No Recovery	
10						

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BORING B2684

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		83	SSHS-B2684-SUB-10-12		SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel	0
					Rock fragments	
					No Recovery	
12		92	SSHS-B2684-SUB-12-14		SILTY SAND, brown to gray, fine to coarse grained, moist to wet, medium dense, with gravel, Strong odor Becoming more gravel toward bottom	14.7
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2725

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/26/19 **COMPLETED** 4/26/19
NORTHING 754280.339 ft **EASTING** 762069.396 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium stiff, with sand	
					SILT, brown, fine to coarse grained, moist, loose to medium stiff, with gravel, and sand	
2		69	No Sample			0
					Geotextile No Recovery	
4					SILT, brown, moist, loose, with gravel	
		92	No Sample		LEAN CLAY, dark gray, moist, medium stiff, with sand, and gravel	2.7
6					No Recovery SILT, brown, moist, medium stiff, with sand, and gravel	
		100	SSHS-B2725-SUB-6-8		SILT, dark gray, moist, stiff, with sand, and gravel, construction debris, rock fragments odor	3.7
8					SILT, dark gray, fine to coarse grained, moist, medium stiff, with sand, and gravel, Slight odor	
		83	SSHS-B2725-SUB-8-10		SAND, tan, fine to coarse grained, dry, loose, with gravel	3.9
10					No Recovery	

Bottom of borehole at 10.0 feet.

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BORING B2745

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 4/26/19 **COMPLETED** 4/26/19
NORTHING 754229.376 ft **EASTING** 762218.975 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

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DEPTH (ft)	RUN RECOVERY	REMARKS	MATERIAL DESCRIPTION	PID (ppm)
			Medium dense, SILT, moist, dark brown	
			Medium dense, SILTY SAND, with gravel, fine to coarse grained, moist, brown	
		No Sample	Geotextile	
			Medium dense, SILTY SAND, with gravel, rock fragments, fine to coarse grained, moist, brown	13.3
2.5			No Recovery	
			Loose, SILTY SAND, with gravel, fine to coarse grained, moist, brown, Slight odor Black at 5"	
5.0			Medium dense, SANDY SILT, with gravel, some rock fragments, moist, brown	
		No Sample		16.5
			No Recovery	
7.5			Loose to medium dense, SANDY SILT, with gravel, moist, dark brown	
			LEAN CLAY, moist, brown to tan, low plasticity	
		No Sample		1.9
			No Recovery	

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BORING B2745

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B2745-SUB-10-12	Loose to medium dense, SANDY SILT, with gravel, moist, dark brown	3
			Loose to medium dense, SANDY SILT, with gravel, rock fragments, moist, dark brown	
			Loose to medium dense, SANDY SILT, with gravel, moist, dark brown	
			No Recovery	
			Bottom of borehole at 12.0 feet.	

10

12.5

15.0

17.5

20.0

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BORING B2755

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/26/19 **COMPLETED** 4/26/19
NORTHING 754109.94 ft **EASTING** 762094.42 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT, gravel, construction debris	
					SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel	
2		70	No Sample			0
					LEAN CLAY, dark gray, moist, medium stiff, low plasticity, with sand, and gravel, trace organics	
					No Recovery	
4						
					SILTY SAND, brown, fine to coarse grained, moist, loose	
					With silt, and sand, Rock fragments	
6						
					SILT, dark brown, moist, medium dense, with sand, and gravel, Slight odor	
		47	No Sample		No Recovery	1.8
8						
10						

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BORING B2755

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B2755-SUB-10-12		SILT, dark brown to black, fine to coarse grained, dry to moist, stiff, with sand, and gravel	3.3
12		100	SSHS-B2755-SUB-12-14		SILT, dark brown to black, fine to coarse grained, dry to moist, stiff, with sand, and gravel, some clay	5.4
14					No Recovery Bottom of borehole at 14.0 feet.	

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BORING B2756

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/26/19 **COMPLETED** 4/26/19
NORTHING 754274.929 ft **EASTING** 762054.037 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, fine to coarse grained, dry to moist, medium stiff, with sand, and gravel, construction debris	
					CLAY, dark brown, moist, stiff, low plasticity, Geotextile	
2					SILT, brown, moist, dense, with sand, and gravel, construction debris	
		60	No Sample			0
					No Recovery	
4						
					SILTY SAND, brown to reddish orange, fine to coarse grained, moist, medium dense, with gravel, rock fragments	
6						
		50	No Sample			0
8					No Recovery	
10						

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BORING B2756

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	No Sample		SILTY SAND, brown to light brown, fine to coarse grained, moist, loose to medium dense, with gravel	0
12		75	SSHS-B2756-SUB-12-14		SAND, brown, moist, medium dense, with gravel, some silt	0
					Wet, Increasing gravel	
14					No Recovery	
					Bottom of borehole at 14.0 feet.	

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BORING B2757

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/26/19 **COMPLETED** 4/26/19
NORTHING 754251.521 ft **EASTING** 762061.992 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Concrete	
					SILT, brown, moist, medium dense, with sand, and gravel	
2		79	No Sample			0
					SILT, brown, moist, medium dense, with sand, and gravel, some gravel, Geotextile	
					No Recovery	
4					SANDY GRAVEL, light brown to dark brown, with rock fragments, and construction debris	
6		73	No Sample			0
					No Recovery	
8					SAND, brown to gray, dry to moist, loose to medium dense, with silt, and gravel, some rock fragments	
		92	SSHS-B2757-SUB-8-10			0
10					No Recovery	

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BORING B2757

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SAND, brown to gray, dry to moist, loose to medium dense, with silt, and gravel, some rock fragments	
					Concrete	
		100	SSHS-B2757-SUB-10-12		GRAVEL, brown to reddish brown, moist, medium dense, with sand, and silt	0
12					SAND, dark brown, moist, loose to medium dense, with silt, and gravel, Increasing gravel toward bottom	
		71	SSHS-B2757-SUB-12-14			0
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2758

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/26/19 **COMPLETED** 4/26/19
NORTHING 754230.99 ft **EASTING** 762071.368 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Concrete	
					SAND, brown, fine to coarse grained, dry to moist, medium dense, with silt, and gravel	
2		72	No Sample		LEAN CLAY, dark brown, moist, stiff, low plasticity	0
					SILT, dark brown to black, with sand, some gravel	
					LEAN CLAY, moist, low plasticity	
4					No Recovery	
					SAND, light brown, fine to coarse grained, moist, loose, with silt, and gravel	
6					LEAN CLAY, light brown, moist, medium stiff, low plasticity, some sand, and gravel	
					SAND, brown, fine to coarse grained, moist, medium dense, with silt, and gravel	
		52	No Sample		No Recovery	0
8						
10						

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BORING B2758

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	No Sample		SANDY CLAY, light brown, moist, medium dense, low plasticity SAND, brown, fine to coarse grained, moist, medium dense, with silt, and gravel	0
12		71	SSHS-B2758-SUB-12-14		LEAN CLAY, light brown, moist, medium stiff, with sand SAND, brown, fine to coarse grained, moist, medium dense, some silt	0
					SAND, brown, fine to coarse grained, moist, medium dense, some silt, Increasing gravel No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2759

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/26/19 **COMPLETED** 4/26/19
NORTHING 754291.56 ft **EASTING** 762051.747 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Concrete	
					SILT, brown, dry to moist, medium dense, with gravel, and sand	
					Geotextile	
2					SILT, brown, dry to moist, medium dense, with gravel, and sand, some coal	
		63	No Sample			0
					No Recovery	
4						
					SAND, light brown, fine to coarse grained, loose, with gravel	
6					SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel	
		50	No Sample		No Recovery	0
8						
10						

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BORING B2759

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	No Sample		SAND, light brown, fine to coarse grained, dry, loose, with gravel, some silt	0
12		100	SSHS-B2759-SUB-12-14		SAND, light brown, fine to coarse grained, moist, loose to medium dense, with gravel, some silt	0
14					Bottom of borehole at 14.0 feet.	

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BORING B2762

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/26/19 **COMPLETED** 4/26/19
NORTHING 754322.035 ft **EASTING** 762057.631 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SILT, brown, moist, medium stiff SILT, brown, moist, medium stiff, with sand, and gravel	0
2		71	SSHS-B2762-SUB-2-4		No Recovery SILT, brown, dry to moist, medium stiff, with sand, and gravel, some rock fragments No Recovery	0
4		92	SSHS-B2762-SUB-4-6		LEAN CLAY, dark brown, moist, low plasticity, with sand, and gravel	0
6		92	SSHS-B2762-SUB-6-8		No Recovery SILT, brown, with sand, and gravel, Odor CLAYEY SAND SILT, brown, with sand, and gravel, Odor	0
8		83	SSHS-B2762-SUB-8-10		No Recovery SAND, brown, fine to coarse grained, moist, loose to medium dense, with silt, and gravel No Recovery	0
10						

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BORING B2762

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SAND, brown, fine to coarse grained, moist, loose to medium dense, with silt, and gravel	
		83	SSHS-B2762-SUB-10-12		SAND, brown, moist, loose to medium dense, with silt, and gravel, with rock fragments	0
					No Recovery	
12					SANDY SILT, black to brown, moist, medium dense, with gravel, some rock fragments	
		63	SSHS-B2762-SUB-12-14			0
					No Recovery	
14					Bottom of borehole at 14.0 feet.	

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BORING B2763

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/26/19 **COMPLETED** 4/26/19
NORTHING 754259.634 ft **EASTING** 762102.559 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILT, brown, moist, medium stiff, with sand	0
					SILT, brown, fine to coarse grained, moist, medium stiff, with sand, and gravel	
2		92	SSHS-B2763-SUB-2-4		SILT, brown to dark brown, fine to coarse grained, moist, medium stiff, with sand, and gravel	0
4		100	SSHS-B2763-SUB-4-6		No Recovery LEAN CLAY, light brown, moist, stiff, low plasticity, some sand, and gravel	0
6		75	SSHS-B2763-SUB-6-8		LEAN CLAY, light brown, moist, stiff, some sand, and gravel SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel No Recovery	0
8		67	SSHS-B2763-SUB-8-10		SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel, some clay SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel No Recovery	0
10						

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BORING B2763

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B2763-SUB-10-12		SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel	0
					SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel, Increasing gravel	
					No Recovery	
12					Bottom of borehole at 12.0 feet.	

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BORING B2683

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/27/19 **COMPLETED** 4/27/19
NORTHING 754232.639 ft **EASTING** 762059.907 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					SAND, dark brown to black, dry to moist, medium dense, with silt, some gravel	
2		80	No Sample			0
					LEAN CLAY, light brown, moist, stiff, low plasticity, with gravel	
4					No Recovery	
					LEAN CLAY, light brown, moist, medium stiff, low plasticity, with sand, and gravel	
6		100	No Sample			0
8					LEAN CLAY, dark brown to light brown, moist, medium stiff, with sand, and gravel	
		100	No Sample			0.1
10					SAND, black, fine to coarse grained, moist, medium dense, with gravel	

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BORING B2683

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	No Sample		LEAN CLAY, dark brown to light brown, moist, medium soft, medium plasticity SAND, dark brown, fine to coarse grained, moist, loose, trace gravel	0
12		83	SSHS-B2683-SUB-12-14		No Recovery LEAN CLAY, dark brown to light brown, moist, medium soft, medium plasticity SAND, dark brown, fine to coarse grained, moist, loose, with silt, trace gravel No Recovery	0.1
14					Bottom of borehole at 14.0 feet.	

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BORING B2754

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/27/19 **COMPLETED** 4/27/19
NORTHING 754120.515 ft **EASTING** 762091.864 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					SAND, brown, fine to coarse grained, dry, loose, with gravel, some silt	
2		83	No Sample		Geotextile SAND, brown, fine to coarse grained, dry, loose, with gravel, some silt	0
					LEAN CLAY, dark gray, moist, medium soft, low plasticity, with gravel, some sand	
4					No Recovery	
					LEAN CLAY, dark gray to brown, moist, medium soft, with gravel, some sand, Increasing sand and gravel toward bottom	
6						
		43	No Sample		No Recovery	0
8						
10						

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BORING B2754

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SANDY SILT, dark brown to black, fine to coarse grained, moist, medium stiff to stiff, with gravel, and sand	
		100	SSHS-B2754-SUB-10-12		SANDY SILT, dark brown to black, fine to coarse grained, moist, medium stiff to stiff, with gravel, and sand, Odor	1.2
12					SANDY SAND, dark brown to black, fine to coarse grained, moist, medium stiff to stiff, with gravel, some clay, trace coal	
		100	SSHS-B2754-SUB-12-14		SANDY SAND, dark brown to black, fine to coarse grained, moist, medium stiff to stiff, with gravel, some clay, trace coal, Odor	8.6
14					SANDY SAND, dark brown to black, fine to coarse grained, moist, medium stiff to stiff, with gravel, some clay, trace coal	

Bottom of borehole at 14.0 feet.

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BORING B2771

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 5/13/19 **COMPLETED** 5/13/19
NORTHING 754488.989 ft **EASTING** 762394.55 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES MS/MSD-01 (10-12')

DEPTH (ft)	RUN RECOVERY	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
			SILT, brown	0
			Medium dense, SILTY SAND, with gravel, and coal, moist, brown to black	0
2.5				
				0
				0
5.0			Construction debris	
				0.3
			Loose to medium dense, SILTY SAND, with gravel, moist, dark brown to tan	
				0.7
7.5				0.1
			Loose to medium dense, SAND, with gravel, fine to coarse grained, moist, brown	
				0

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BORING B2771

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
			Loose to medium dense, SAND, with gravel, fine to coarse grained, moist, brown *(continued)*	0
			Rock fragments	
			Bottom of borehole at 12.0 feet.	

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BORING B2773

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 5/13/19 **COMPLETED** 5/13/19
NORTHING 762418.664 ft **EASTING** 754435.563 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR Rettew
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES FD-1 (10'-12')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				SILT, brown	0
		SSHS-B2773-SUB-0.17-4		Medium dense, SAND, with silt, trace gravel, fine to coarse sand, moist, brown to light brown	0.6
					0
2.5					0
		SSHS-B2773-SUB-4-6			0
					0
5.0					0
					0
				Medium dense, SAND, with silt, trace gravel, fine to coarse sand, moist, brown to light brown, rock fragments increasing downward	
		SSHS-B2773-SUB-6-8			0
					0
7.5					0.1
				Dense, SANDY SILT, with gravel, moist, brown	
		SSHS-B2773-SUB-8-10			0
					0
				Medium dense, GRAVEL, with silt, sand, moist, light gray	0

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BORING B2773

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Medium dense, GRAVEL, with silt, sand, moist, light gray *(continued)*	
		SSHS-B2773-SUB-10-12		Medium dense, SAND, with silt, some gravel, fine to coarse sand, moist, brown	0 0
				Bottom of borehole at 12.0 feet.	0
12.5					
15.0					
17.5					
20.0					

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BORING B2774

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 5/13/19 **COMPLETED** 5/13/19
NORTHING 762441.871 ft **EASTING** 754380.677 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR Rettew
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				SILT, with organics, brown	0
		SSHS-B2774-SUB-0.17-4		Loose, SAND, some silt, gravel, fine to coarse sand, moist, brown, gravel increasing downward	0
					0
2.5					0.1
					0.1
5.0		SSHS-B2774-SUB-4-6		Loose, SAND, some silt, gravel, fine to coarse sand, moist, brown, gravel increasing downward, rock fragments	0.1
				Loose, SAND, with silt, gravel, fine to coarse sand, moist, brown	0
		SSHS-B2774-SUB-6-8			0
7.5					0.6
					0
		SSHS-B2774-SUB-8-10			0
					0.2

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BORING B2774

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B2774-SUB-10-12		Loose, SAND, with silt, gravel, fine to coarse sand, moist, brown, gravel and rock fragments increasing	0.1
					0
					0
				Bottom of borehole at 12.0 feet.	0
12.5					
15.0					
17.5					
20.0					

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BORING B2623

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/14/19 **COMPLETED** 5/14/19
NORTHING 754320.57 ft **EASTING** 762350.09 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0			No Sample		SILT, black to dark brown, moist to wet, medium dense, with sand, and gravel	
		83	SSHS-B2623-SUB-0.17-2			
2					Bottom of borehole at 2.0 feet.	0.3

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BORING B2624

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/14/19 **COMPLETED** 5/14/19
NORTHING 754310.76 ft **EASTING** 762371.28 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILT, brown, moist to wet, trace roots, trace grass roots SAND, dark brown to blackish brown, well graded, medium to coarse grained, with gravel, trace coal, rock fragments	
		95	SSHS-B2624-SUB-0.17-2			
2					Bottom of borehole at 2.0 feet.	0

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BORING B2650

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/14/19 **COMPLETED** 5/14/19
NORTHING 754334.9 ft **EASTING** 762243.42 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense	
		100	No Sample		SILTY SAND, moist, medium dense, with gravel, some rock fragments	
2					SILTY SAND, moist, medium dense, with gravel, some rock fragments, black woodchips, slight odor at 3.5'	0.03
		83	No Sample			
4					SILT, black, with sand	18.8
		88	SSHS-B2650-SUB-4-6		SILTY SAND, brown to dark brown, fine to coarse grained, moist, medium dense, with gravel	
6					Bottom of borehole at 6.0 feet.	1.2

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BORING B2696

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/14/19 **COMPLETED** 5/14/19
NORTHING 754316.24 ft **EASTING** 762381.06 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** M. Schallinger
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILT, brown, moist, soft, some organics, trace roots SAND, brown to blackish brown, moist, medium dense, little gravel, trace silt, trace coal	
2		75	SSHS-B2696-SUB-2-4		Construction debris	0
4					Bottom of borehole at 4.0 feet.	0

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BORING B2697

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/14/19 **COMPLETED** 5/14/19
NORTHING 754316.24 ft **EASTING** 762381.06 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Ranna **CHECKED BY** M. Schallinger
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	No Sample		Brown, moist, soft to medium stiff, with organics, trace roots, topsoil	
					SAND, brown, well graded, angular, fine to medium grained, medium dense, with gravel, trace silt, powdered red brick at 1.8'	
2		79	SSHS-B2697-SUB-2-4		SAND, brown to light brown, well graded, medium to coarse grained, moist, medium dense to dense, with gravel, rock fragments, trace silt	0
4					Bottom of borehole at 4.0 feet.	0.1

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BORING B2698

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/14/19 **COMPLETED** 5/14/19
NORTHING 754293.54 ft **EASTING** 762237.06 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILT, brown, moist, medium dense	
					SILTY SAND, brown to black, gravel, coal, fill fill	
2					Gravel and rock fragments	0
		71	SSHS-B2698-SUB-2-4		SANDY SILT, dark gray to brown, moist, dense, with gravel	
4					SILTY SAND, dark brown to black, moist, loose to medium dense, with gravel	0.03
		83	SSHS-B2698-SUB-4-6			
6					Bottom of borehole at 6.0 feet.	0.1

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BORING B2699

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/14/19 **COMPLETED** 5/14/19
NORTHING 754343.33 ft **EASTING** 762262.14 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SILT, brown, fine grained, moist, medium dense, with sand, and gravel	
2		83	No Sample		SILTY SAND, dark brown to black, fine to coarse grained, moist to wet, with gravel, slight odor	0
4			SSHS-B2699-SUB-4-6		SILTY SAND, dark brown, fine to coarse grained, moist to wet, medium dense, with gravel, slight odor	6.9
6					Bottom of borehole at 6.0 feet.	3.5

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BORING B2719

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/14/19 **COMPLETED** 5/14/19
NORTHING 754404.57 ft **EASTING** 762406.19 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILT, brown SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel	
		100	SSHS-B2719-SUB-0.17-2			
2					Bottom of borehole at 2.0 feet.	0

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BORING B2720

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/14/19 **COMPLETED** 5/14/19
NORTHING 754385.21 ft **EASTING** 762412.04 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		0	No Sample		No Recovery	
		91	SSHS-B2720-SUB-0.17-2		SILTY SAND, brown to dark brown, moist, medium dense, with gravel	
2					CLAY, brown, moist, medium stiff, low plasticity	0
					SAND, brown, fine to coarse grained, moist, loose, with gravel	
4		65	No Sample			
6						
					SANDY SILT, brown, moist, stiff, with gravel	0
8						
					GRAVEL, concrete	
		72	No Sample			
10						

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(Continued Next Page)

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BORING B2720

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SAND, brown, dry, dense, with gravel, trace silt	
12		100	No Sample		SAND, brown, dry, dense, with gravel, trace silt, increasing gravel toward bottom	0
14		79	SSHS-B2720-SUB-14-16		SAND, brown, fine to coarse grained, dry to moist, dense, with gravel, some silt	0 0.13
16					Bottom of borehole at 16.0 feet.	

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BORING B2721

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/14/19 **COMPLETED** 5/14/19
NORTHING 754357.16 ft **EASTING** 762413.5 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0			No Sample		SILT, brown	
		95	SSHS-B2721-SUB-0.17-2		SANDY SILT, brown, fine to coarse grained, moist, medium stiff, with gravel	
2					Bottom of borehole at 2.0 feet.	0

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BORING B2768

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/14/19 **COMPLETED** 5/14/19
NORTHING 754381.72 ft **EASTING** 762395.74 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		86	SSHS-B2768-SUB-0.17-2		SILT, brown, moist, with organics, becoming sandy silt with gravel toward bottom	
2					Bottom of borehole at 2.0 feet.	0

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BORING B2803

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/14/19 **COMPLETED** 5/14/19
NORTHING 754320.83 ft **EASTING** 762251.68 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2803-SUB-0.17-2		SILT, reddish brown, fine to coarse grained, moist, with sand, and gravel, some rock fragments, increasing gravel, becoming black towards bottom	
2					Bottom of borehole at 2.0 feet.	0.1

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BORING B2607

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754366.15 ft **EASTING** 762321.98 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	No Sample		SILT, brown, moist, medium dense, with sand, and gravel, becoming dark brown towards bottom	
2		67	No Sample			0
4		100	SSHS-B2607-SUB-4-6		SILT, brown to dark brown, moist, medium dense, with sand, and gravel	0.05
6					Bottom of borehole at 6.0 feet.	0

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BORING B2612

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754362.75 ft **EASTING** 762369.46 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILT, brown, moist, medium dense, with sand, and gravel, becoming black towards bottom	
2		67	SSHS-B2612-SUB-2-4		SANDY SILT, black, moist, medium dense, with gravel, some rock fragments	0.1
4					Bottom of borehole at 4.0 feet.	0.1

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BORING B2613

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754424.58 ft **EASTING** 762362.94 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	No Sample		GRAVELLY SILT, brown, wet, medium dense, rock fragments at 1.5'	
2		67	No Sample		SANDY SILT, brown to dark gray, moist, medium dense, with gravel	0
4		83	No Sample		SAND, gray, fine to coarse grained, dry, medium dense, construction debris	0
6		71	SSHS-B2613-SUB-6-8		SILTY SAND, brown, moist to wet, medium dense, with gravel, some rock fragments	0
8					Bottom of borehole at 8.0 feet.	0.03

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BORING B2614

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754413.87 ft **EASTING** 762360.85 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	No Sample		SILT, brown, moist to wet, with sand, and gravel SILT, black to tan, dry to moist, with sand, and gravel	
2		63	SSHS-B2614-SUB-2-4		SILT, brown, wet, loose, with sand, and gravel SILT, reddish brown, moist, medium dense, with sand, and gravel	0
4					Bottom of borehole at 4.0 feet.	0.07

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BORING B2615

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754362.75 ft **EASTING** 762369.46 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	No Sample		SILT, brown to dark brown, moist, medium dense, with gravel	
2		67	SSHS-B2615-SUB-2-4		SAND, yellow, fine to coarse grained, dry, loose, black silt with sand and gravel towards bottom SILTY SAND, brown, fine to coarse grained, moist, medium dense, with gravel	0
4		100	SSHS-B2615-SUB-4-6			0.03
6					SANDY LEAN CLAY, brown, moist to wet, medium stiff, low plasticity Bottom of borehole at 6.0 feet.	0.03

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BORING B2617

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754328.91 ft **EASTING** 762231.02 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0			No Sample		SILT, brown, moist, medium dense, with sand, and gravel	
2		79	SSHS-B2617-SUB-2-4		SILT, brown, moist, medium dense, with sand, and gravel, rock fragments at 3.5'	0.4
4					Bottom of borehole at 4.0 feet.	0.87

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BORING B2621

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754392.4 ft **EASTING** 762361.24 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	No Sample		SILT, brown, moist, medium dense, some sand, and gravel, red brick at 1'	
					SAND, yellow, fine to coarse grained, dry, dense	
2		79	SSHS-B2621-SUB-2-4		SANDY SILT, black to reddish brown, moist, medium dense, with gravel	0.1
4		79	SSHS-B2621-SUB-4-6		SAND, brown, moist, medium dense, with gravel, and silt	5.9
6		92	SSHS-B2621-SUB-6-8		SANDY CLAY, gray to brown, moist, medium stiff, low plasticity	1.3
8					Bottom of borehole at 8.0 feet.	1.1

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BORING B2636

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754320.03 ft **EASTING** 762390.02 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILT, brown, moist, medium dense	
					SANDY SILT, brown to dark brown, fine to coarse grained, moist, medium dense, with gravel	
2		67	SSHS-B2636-SUB-2-4			0.2
4					Bottom of borehole at 4.0 feet.	0.07

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BORING B2652

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754363.37 ft **EASTING** 762295.87 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SILT, brown, moist, medium dense, increasing sand and gravel	
2		67	No Sample		SILT, brown, moist, medium dense, rock fragments	0.35
4		100	SSHS-B2652-SUB-4-6		SILT, dark brown, moist, medium dense, with sand, and gravel, woodchips, odor, becoming dark brown silty sand toward bottom	0.3
6					Bottom of borehole at 6.0 feet.	5.5

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BORING B2686

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754358.74 ft **EASTING** 762235.09 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0			No Sample		SILT, brown, moist, medium dense, yellow sand at 0.5'	
		100	SSHS-B2686-SUB-0.17-2		SILT, dark brown, moist, medium dense, with sand, and gravel	
2					Light brown, red brick at 3'	0
		100	No Sample			
4					SAND, brown, fine to coarse grained, moist, medium dense, with silt, and gravel	0
		100	No Sample			
6					SAND, brown, fine to coarse grained, moist, medium dense, with silt, and gravel, rock fragments	0
		88	SSHS-B2686-SUB-6-8			
8					Bottom of borehole at 8.0 feet.	0

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BORING B2711

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754664.55 ft **EASTING** 762223.06 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2711-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0.3

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BORING B2713

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754625.44 ft **EASTING** 762204.14 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2713-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0.2

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BORING B2714

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754586.52 ft **EASTING** 762201.79 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2714-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0.4

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BORING B2715

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754548.97 ft **EASTING** 762218.04 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2715-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0

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BORING B2716

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754549.74 ft **EASTING** 762240.52 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2716-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0.5

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BORING B2744

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754312.73 ft **EASTING** 762225.12 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILT, brown, moist, medium dense, with sand, and gravel, orange geotextile, red brick at 1', increasing sand toward bottom	
2		83	No Sample		SILT, brown, moist, medium dense, with sand, and gravel, black coal fragments at 3.5'	0.1
4		71	SSHS-B2744-SUB-4-6		SILTY SAND, brown to black, moist, medium dense, with gravel	0.07
					SILT, brown, moist, medium dense, with gravel	
6					Bottom of borehole at 6.0 feet.	0.03

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BORING B2769

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754437.01 ft **EASTING** 762384.32 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2769-SUB-0.17-2		SILT, dark brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0

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BORING B2792

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2792-SS		SILT, brown, moist, with organics	
					Bottom of borehole at 0.2 feet.	0

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5/15/2014

BORING LOG

BORING NO. SSHS-B 2793

SHEET 1 OF 1

Top (Depth)	☐ Feet ☐ Meters Grab sample Lithology Log	Graphic Log	Depth Scale	Well	SPT Blows/6"	Run (No.)	Rec. (%)	Drilling Log
0	Brown silt Moist soft to medium ~~stiff~~ dense with organics Trace grassroots SSHS-B2793-SS					↓ 2"	↓ 2"	MS/MSD 5
.17	Time 0945 PID 0.5ppm							
	EOB							

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BORING B2794

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754622.92 ft **EASTING** 762106.79 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2794-SS		SILT, brown, moist, with organics	
					Bottom of borehole at 0.2 feet.	0

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BORING B2795

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2795-SS		SILT, brown, moist, with organics	
					Bottom of borehole at 0.2 feet.	0

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BORING B2796

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754723.35 ft **EASTING** 762131.35 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2796-SS		SILT, brown, moist, with organics	
					Bottom of borehole at 0.2 feet.	0

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BORING B2797

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754694.17 ft **EASTING** 762144.26 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY A. Ranna **CHECKED BY** M. Schallinger
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2797-SS		SILT, brown, moist, soft to medium dense, with organics, trace roots	
					Bottom of borehole at 0.2 feet.	0.5

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BORING B2798

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754678.91 ft **EASTING** 762123.93 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY A. Ranna **CHECKED BY** M. Schallinger
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2798-SS		SILT, brown, moist, soft to medium dense, with organics, trace roots	
					Bottom of borehole at 0.2 feet.	0.7

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BORING B2799

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754721.47 ft **EASTING** 762106.45 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2799-SS		SILT, brown, moist, with organics	
					Bottom of borehole at 0.2 feet.	0

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BORING B2800

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754693.3 ft **EASTING** 762102.32 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2800-SS		SILT, brown, moist, with organics	
					Bottom of borehole at 0.2 feet.	0

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BORING B2806

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/15/19
NORTHING 754409.31 ft **EASTING** 762394.17 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2806-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0

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BORING B2619

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754469.22 ft **EASTING** 762345.43 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, dark brown, moist, medium dense, with sand, and gravel	
2		50	No Sample			
4		100	No Sample		SANDY SILT, dark gray, moist, medium dense, with gravel	0.03
6		100	SSHS-B2619-SUB-6-8		Moist to wet	3.1
8					Bottom of borehole at 8.0 feet.	0.5

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BORING B2620

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754450.19 ft **EASTING** 762352.96 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY SAND, brown, moist, medium dense, and gravel, construction debris	
2		100	No Sample			
4					SILTY SAND, dark brown, moist, medium dense, with gravel	0.03
		100	No Sample			
6					Dark gray, moist to wet, construction debris, slight odor	3.1
		100	SSHS-SUB2619-SUB-6-8			
8					Bottom of borehole at 8.0 feet.	0.5

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BORING B2625

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754498.41 ft **EASTING** 762321.6 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SILT, brown, moist, medium dense, with sand, and gravel, increasing sand and gravel toward bottom	
2		75	SSHS-B2625-SUB-2-4		SAND, gray to brown, medium dense, with silt, and gravel, construction debris	0.2
4		75	SSHS-B2625-SUB-4-6			0.03
6		75	SSHS-B2625-SUB-6-8		SAND, brown, fine to coarse grained, moist, medium dense, with gravel, trace silt	0.03
8		71	SSHS-B2625-SUB-8-10		Loose, rock fragments with sand and silt	0.03
10						

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BORING B2625

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		79	SSHS-B2625-SUB-10-12		SAND, brown, moist, medium dense, with silt, and gravel, construction debris	0.03
12					Bottom of borehole at 12.0 feet.	0.07

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BORING B2648

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754461.4 ft **EASTING** 762296.11 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		71	SSHS-B2648-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2		75	No Sample		SAND, yellow to brown, moist, medium dense, with fine to coarse gravel	0.07
4		79	SSHS-B2648-SUB-4-6		SILTY SAND, gray, dry to moist, medium dense, with gravel	0.03
6		100	SSHS-B2648-SUB-6-8		SILT, brown, moist to wet, loose, with sand, and gravel, some gravel at 7.5'	0.1
8					Bottom of borehole at 8.0 feet.	0.03

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BORING B2668

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754477.79 ft **EASTING** 762331.99 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, and gravel, brick and concrete at 1'	
2		67	No Sample			
4		83	No Sample		SILT, dark gray to brown, moist, with sand, and gravel	0.03
6		75	SSHS-B2668-SUB-6-8		SAND, dark brown to light brown, moist, medium dense, with silt, and gravel, increasing gravel towards bottom	0.07
8					Bottom of borehole at 8.0 feet.	

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BORING B2676

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754424.82 ft **EASTING** 762295.58 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense	
					SANDY SILT, dark brown, moist, medium dense, with gravel, concrete at 4'	
2		75	No Sample			
4						0.05
					GRAVEL, construction debris	
		100	SSHS-B2676-SUB-4-6		SAND, brown, moist, medium dense, with silt, trace gravel	
6					SILTY SAND, reddish brown to brown, moist, medium dense, with gravel	0.07
		50	No Sample			
8					SILTY SAND, reddish brown to brown, moist, medium dense, with gravel, increasing gravel	0.05
		50	SSHS-B2676-SUB-8-10			
10					Bottom of borehole at 10.0 feet.	

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BORING B2676

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
						0.03

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BORING B2695

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754316.24 ft **EASTING** 762381.06 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILT, brown, moist, medium dense, with sand, and gravel, coal at 1'	
2		100	SSHS-B2695-SUB-2-4			0
4					Bottom of borehole at 4.0 feet.	0

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BORING B2704

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754829.62 ft **EASTING** 762057.54 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2704-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0

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BORING B2705

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754343.33 ft **EASTING** 762262.14 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2705-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0.1

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BORING B2706

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754837.57 ft **EASTING** 762170.29 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2706-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0

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BORING B2707

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754815.54 ft **EASTING** 762181.19 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2707-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0.3

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BORING B2710

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754702.4 ft **EASTING** 762223.68 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2710-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0

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BORING B2718

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754531.94 ft **EASTING** 762304.28 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	SSHS-B2718-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2		71	SSHS-B2718-SUB-2-4		SAND, gray, fine to coarse grained, moist, medium dense, with silt, and gravel, construction debris	0.03
4		67	SSHS-B2718-SUB-4-6		SAND, gray, fine to coarse grained, moist, medium dense, with silt, and gravel, increasing silt	0
6		75	SSHS-B2718-SUB-6-8			0
8		92	SSHS-B2718-SUB-8-10		Construction debris SILT, brown, moist, medium dense, with sand, and gravel, construction debris	0.03
10						

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BORING B2718

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B2718-SUB-10-12		SILTY SAND, brown, moist, medium dense, with gravel	0.03
12					Bottom of borehole at 12.0 feet.	0.03

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BORING B2780

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754504.34 ft **EASTING** 762296.96 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		71	No Sample		SILT, brown, moist, medium dense, with sand, and gravel, some construction debris	
2		79	SSHS-B2780-SUB-2-4		SAND, brown to black, moist, medium dense, with silt, and gravel	0
4		79	SSHS-B2780-SUB-4-6		Brown to light brown	0
6		58	SSHS-B2780-SUB-6-8		SANDY SILT, light brown, moist, medium dense, trace gravel	0
8		58	SSHS-B2780-SUB-8-10		GRAVEL, fine to coarse grained, moist, loose, with sand, and silt	0
10						

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BORING B2780

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		63	SSHS-B2780-SUB-10-12		SAND, brown, moist, medium dense, some silt	0
12					Bottom of borehole at 12.0 feet.	0

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BORING B2802

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754628.38 ft **EASTING** 762085.41 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2802-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0.6

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BORING B2805

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/19 **COMPLETED** 5/16/19
NORTHING 754403.91 ft **EASTING** 762284.68 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	No Sample		SILT, brown, moist, medium dense, with sand, and gravel	
2		83	No Sample		Dark gray, slight odor, rock fragments from 2' to 2.5'	0.8
4		67	No Sample		SILTY SAND, dark brown, moist, medium dense, with gravel, rock fragments	6.3
6		58	No Sample		SILTY SAND, brown, moist, loose to medium dense, with gravel	2.4
8		71	SSHS-B2805-SUB-8-10		Medium dense, increasing gravel	0.4
10					Bottom of borehole at 10.0 feet.	

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BORING B2805

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
						1.4

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BORING B2600

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
NORTHING 754508.02 ft **EASTING** 762253.46 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILT, brown, with sand, and gravel	
2		83	SSHS-B2600-SUB-2-4		SAND, gray, fine to coarse grained, moist, medium dense to loose, construction debris	0
4					Bottom of borehole at 4.0 feet.	0

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BORING B2602

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
NORTHING 75459.65 ft **EASTING** 762249.75 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	No Sample		SILT, brown, moist, medium dense, with sand, and gravel, trace coal	
2		71	SSHS-B2602-SUB-2-4		Construction debris	0
4					Bottom of borehole at 4.0 feet.	0

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BORING B2618

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
NORTHING 754515.68 ft **EASTING** 762328.24 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, with sand, and gravel	
		100	SSHS-B2618-SUB-0.17-2		SILTY SAND, brown, with gravel, construction debris, rock fragments	
2					SANDY SILT, brown, moist, medium dense, with gravel	0
		83	SSHS-B2618-SUB-2-4			
4						0
		75	SSHS-B2618-SUB-4-6			
6					SILTY SAND, dark brown, moist, medium dense, with gravel, some construction debris	0.05
		71	SSHS-B2618-SUB-6-8			
8					Increasing gravel	0
		71	SSHS-B2618-SUB-8-10			
10						

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BORING B2618

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		83	SSHS-B2618-SUB-10-12			0
12					Bottom of borehole at 12.0 feet.	0

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BORING B2626

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
NORTHING 754476.89 ft **EASTING** 762248.03 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	No Sample		SILT, brown, moist, medium dense, with sand, and gravel	
2		67	No Sample		SAND, light brown, fine to coarse grained, moist, medium dense, with silt, and gravel	0.1
4		96	SSHS-B2626-SUB-4-6		SAND, light brown, fine to coarse grained, moist, medium dense, with silt, and gravel, construction debris at 5.5'	0.07
6					Bottom of borehole at 6.0 feet.	0

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BORING B2649

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
NORTHING 754466.64 ft **EASTING** 762271.95 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B2649-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2		67	SSHS-B2649-SUB-2-4		SILT, black to brown, with sand, construction debris, coal	0
4		63	SSHS-B2649-SUB-4-6		SILTY SAND, black, moist, medium dense, with gravel	0
6		50	SSHS-B2649-SUB-6-8			0
8					Bottom of borehole at 8.0 feet.	0

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BORING B2667

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
NORTHING 754458.7 ft **EASTING** 762234.64 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	No Sample		SILT, brown, moist, medium dense, with sand, and gravel	
2		75	No Sample		Brown to black, dense to medium dense, increasing gravel	0
4		88	SSHS-B2667-SUB-4-6		SILT, brown to black, moist, dense to medium dense, with sand, and gravel, construction debris at 5', trace coal at 5.5'	0
6					Bottom of borehole at 6.0 feet.	

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BORING B2675

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
NORTHING 754421.84 ft **EASTING** 762243.04 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, and gravel, increasing sand and gravel toward bottom	
2		58	No Sample			
4					SILT, brown, moist, medium dense, with sand, and gravel, construction debris	0
		100	SSHS-B2675-SUB-4-6			
6					SANDY SILT, brown, moist, medium dense	0.5
			No Sample			
8					Wet to moist	0
		79	SSHS-B2675-SUB-8-10			
10					Bottom of borehole at 10.0 feet.	

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BORING B2675

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
						0

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BORING B2685

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
NORTHING 754511.58 ft **EASTING** 762356.38 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	SSHS-B2685-SUB-0.17-2		SAND, black to brown, fine to coarse grained, moist, medium dense, with silt, and gravel, construction debris	
2		92	SSHS-B2685-SUB-2-4		Tan to brown SILT, brown, moist, medium dense, with sand, and gravel, some coal	0
4		75	SSHS-B2685-SUB-4-6		SILT, brown, moist, medium dense, with sand, and gravel, some coal, some rock fragments	0.1
6					Bottom of borehole at 6.0 feet.	0

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BORING B2700

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
NORTHING 754428.34 ft **EASTING** 762269.39 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, and gravel, construction debris	
2		56	No Sample			
4						0
					SAND, brown, fine to medium grained, moist, medium dense	
6		65	No Sample			
					Black, with coal, fill fill	
8					SILT, dark gray, moist, medium dense, with sand, and gravel, becoming brown with rock fragments towards bottom	0.1
		50	SSHS-B2700-SUB-8-10			
10					Bottom of borehole at 10.0 feet.	

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BORING B2700

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
						0.3

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BORING B2717

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
NORTHING 754551.06 ft **EASTING** 762263.49 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2717-SUB-0.17-2		SILT, brown to black, moist, medium dense, with sand, and gravel, trace coal	
2					Bottom of borehole at 2.0 feet.	0.1

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BORING B2781

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
NORTHING 754405.63 ft **EASTING** 762259.05 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, and gravel, trace coal at 2'	
2		52	No Sample			
4					SAND, dark brown	0.07
					SAND, black, with coal, and construction debris	
6		77	No Sample		SILT, dark gray, moist, medium dense, with sand, and gravel, coal at 7', becoming red-orange at 7.5'	
8					SILT, brown to dark brown, moist, medium dense, with gravel, and sand, rock fragments	0.06
		71	SSHS-B2781-SUB-8-10			
10					Bottom of borehole at 10.0 feet.	

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BORING B2781

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
						0.07

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BORING B2808

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
NORTHING 754616.45 ft **EASTING** 762317.36 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Recovery	
		0	No Sample			
2					SILT, brown, moist, medium dense, with sand, and gravel	
		100	SSHS-B2808-SUB-2-4			
4					Bottom of borehole at 4.0 feet.	0.3

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BORING B2810

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/19 **COMPLETED** 5/17/19
NORTHING 754581.02 ft **EASTING** 762303.6433 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	No Sample		SILT, brown, moist, medium dense, with sand, and gravel	
2		67	SSHS-B2810-SUB-2-4		SILTY SAND, dark brown, moist, medium dense, with gravel, rock fragments	0
4					Bottom of borehole at 4.0 feet.	0

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BORING B2609

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754363.69 ft **EASTING** 762145.93 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		63	No Sample		SANDY SILT, brown, moist, medium dense, with gravel, orange netting at 2"	
2		63	SSHS-B2609-SUB-2-4			0.07
4					Bottom of borehole at 4.0 feet.	0.1

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BORING B2627

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754295.75 ft **EASTING** 762189.61 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILT, brown, moist, medium dense, with sand, and gravel, construction debris at 1.5'	
					Black, fill fill	
2		83	SSHS-B2627-SUB-2-4		Brown to black, moist, medium dense, with sand, and silt, construction debris, fill fill	0.03
4					Bottom of borehole at 4.0 feet.	0.03

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BORING B2651

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754364.58 ft **EASTING** 762261.78 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	No Sample		SILT, brown, moist, medium dense, with gravel	
					SILT, brown, with sand, and gravel	
2		83	No Sample		Brown to black	0
4		100	SSHS-B2651-SUB-4-6		Construction debris	0
					SANDY SILT, brown, moist, medium dense, with gravel	
6					Bottom of borehole at 6.0 feet.	0.1

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BORING B2654

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754322.1 ft **EASTING** 762209.73 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown	
					SILT, brown, moist, medium dense, with sand, and gravel	
2		63 (100)	No Sample		Construction debris	
4					SAND, black, with gravel, and coal, fill fill	0
		79 (100)	SSHS-B2654-SUB-4-6		SILT, brown, with sand, and gravel	
6					Bottom of borehole at 6.0 feet.	0

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BORING B2655

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754362.78 ft **EASTING** 762164.15 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, brown, moist, medium dense, orange geotextile at 0.5'	
					Construction debris, silt, sand, fill fill, gravel, some coal	
2		67	No Sample			
4						0.6
		58	SSHS-B2655-SUB-4-6		SILT, brown, moist, medium dense, with sand, and gravel	
6					Bottom of borehole at 6.0 feet.	1.1

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BORING B2656

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754352.21 ft **EASTING** 762153.04 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, and gravel	
2		31	No Sample			
4		75	SSHS-B2656-SUB-4-6		SANDY SILT, brown, moist, medium dense, with gravel, construction debris	0
6					Bottom of borehole at 6.0 feet.	0

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BORING B2657

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754331.82 ft **EASTING** 762161.68 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, and gravel	
2		67	No Sample			
					SAND, yellow, and construction debris	
4					SANDY SILT, brown, moist, medium dense, with gravel, construction debris	0
		83	SSHS-B2657-SUB-4-6			
6					Bottom of borehole at 6.0 feet.	0

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BORING B2658

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754309.22 ft **EASTING** 762174.86 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, with sand, and gravel, construction debris and rock fragments at 1.5'	
2		60	No Sample			
4		63	SSHS-B2658-SUB-4-6		SILT, dark brown, moist to wet, medium dense, with sand, and gravel, and construction debris	0
6					Bottom of borehole at 6.0 feet.	0.03

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BORING B2659

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754327.08 ft **EASTING** 762181 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, and gravel, construction debris at 2'	
2		81	No Sample			
4						0.03
		71	SSHS-B2659-SUB-4-6		SILTY SAND, brown, moist, medium dense, with gravel	
6					Bottom of borehole at 6.0 feet.	0.03

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BORING B2671

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754453.56 ft **EASTING** 762321.13 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, some sand	
					Construction debris	
2		79	No Sample			
4					SANDY SILT, brown, moist, medium dense, some gravel	0
		79				
6					Gray	0
		100	No Sample SSHS-B2671-SUB-6-8			
					SAND, brown, fine grained, moist, medium dense, some silt	
8					Bottom of borehole at 8.0 feet.	0

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BORING B2673

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754296.98 ft **EASTING** 762198.96 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, and gravel	
		92	No Sample		Yellow and light brown, construction debris, with sand	
2					Brown to black, dry to moist, medium dense, coal, construction debris, sand, fill fill	0
		83	SSHS-B2673-SUB-2-4			
4					SILT, black to brown, moist, medium dense, with sand, and gravel	0.05
		88	No Sample			
6					SAND, brown, moist, loose to medium dense, with silt, and gravel, rock fragments toward bottom	0.03
		75	SSHS-B2673-SUB-6-8			
8					Bottom of borehole at 8.0 feet.	0

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BORING B2734

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754278.17 ft **EASTING** 762286.92 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SILT, brown, moist, medium dense, with sand, and gravel, becoming black toward bottom	
2		63	SSHS-B2734-SUB-2-4		SAND, black, with silt, and gravel	0.9
					SILT, dark brown, moist, medium dense, with sand, odor	
4					Bottom of borehole at 4.0 feet.	1.1

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BORING B2739

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754303.65 ft **EASTING** 762208.85 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, brown, moist, medium dense, red brick at 1.5'	
2		83	No Sample		SAND, brown to black, moist, medium dense, and gravel, fill fill	
4		75	SSHS-B2739-SUB-4-6		SILT, brown, moist, medium dense, with sand, and gravel	0
6					Bottom of borehole at 6.0 feet.	0

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BORING B2740

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754299.44 ft **EASTING** 762227.6 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, and gravel	
2		69	No Sample		Black to dark brown	
					Construction debris	
4					SAND, brown to black, silt, rock fragments, construction debris, fill fill	0
		63	No Sample			
6					Fill fill, mostly rock fragments	0
		63	SSHS-B2740-SUB-6-8			
8					Bottom of borehole at 8.0 feet.	0

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BORING B2811

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754240.4 ft **EASTING** 762101.96 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Recovery	
2						
4						
6		0	No Sample			
8						
10						

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BORING B2811

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		50	SSHS-B2811-SUB-14-16		SILT, brown, moist, medium dense, with sand, and gravel, some construction debris	
16		92	SSHS-B2811-SUB-16-18		SAND, brown, fine to coarse grained, wet, loose	2.2
					GRAVEL, fine to coarse grained, wet, loose	
18					Bottom of borehole at 18.0 feet.	0.1

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BORING B2812

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754198.97 ft **EASTING** 762086.25 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Recovery	
2						
4						
6		0	No Sample			
8						
10						

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BORING B2812

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14			SSHS-B2812-SUB-14-16		SILT, gray, wet, medium dense, with sand, and gravel, odor	
16		50	No Sample		Brown	
18					Bottom of borehole at 18.0 feet.	1.1

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BORING B2813

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754222.43 ft **EASTING** 762074.87 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Recovery	
2						
4						
6		0	No Sample			
8						
10						

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BORING B2813

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14					GRAVEL, brown, wet, loose, with sand, some silt	
			SSHS-B2813-SUB-14-16			
16		50				
			SSHS-B2813-SUB-16-18			
18					Bottom of borehole at 18.0 feet.	0.1

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BORING B2814

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754246.02 ft **EASTING** 762064.59 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Recovery	
2						
4						
6						
		0	No Sample			
8						
10						

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BORING B2814

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14					SAND, brown, moist to wet, loose, with gravel, trace silt	
		50	SSHS-B2814-SUB-14-16			
16					GRAVEL, brown, wet, loose, with sand, trace silt	0.1
		50	SSHS-B2814-SUB-16-18			
18					Bottom of borehole at 18.0 feet.	0.05

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BORING B2815

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754271.02 ft **EASTING** 762055.8 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Recovery	
2						
4						
6						
		0	No Recovery			
8						
10						

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BORING B2815

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		50	SSHS-B2815-SUB-14-16		SAND, brown, fine to coarse grained, moist to wet, medium dense to loose, with silt, and gravel	
16		50	SSHS-B2815-SUB-16-18		GRAVEL, brown, fine to coarse grained, wet, loose, with sand, some silt	0.1
18					Bottom of borehole at 18.0 feet.	0.1

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BORING B2816

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754290.46 ft **EASTING** 762049.95 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Recovery	
2						
4						
6		0	No Sample			
8						
10						

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BORING B2816

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		50	SSHS-B2816-SUB-14-16		SILT, brown, moist, medium dense, with sand, and gravel	
16		50	SSHS-B2816-SUB-16-18		GRAVEL, brown, fine to coarse grained, wet, loose	19
18					Bottom of borehole at 18.0 feet.	4.4

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BORING B2817

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754258.6 ft **EASTING** 762093.52 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Recovery	
2						
4						
6		0	No Sample			
8						
10						

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BORING B2817

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14					SILT, brown, moist, medium dense, with sand, and gravel	
		58	SSHS-B2817-SUB-14-16		GRAVEL, brown, fine grained, wet, some sand, and silt	
16					GRAVEL, wet	0.7
		63	SSHS-B2817-SUB-16-18			
18					Bottom of borehole at 18.0 feet.	0.2

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BORING B2818

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/19 **COMPLETED** 5/18/19
NORTHING 754306.05 ft **EASTING** 762072.11 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Recovery	
2						
4						
6		0	No Sample			
8						
10						

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BORING B2818

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		54	SSHS-B2818-SUB-14-16		GRAVEL, brown, moist to wet, loose to medium dense, with sand, and silt	
16		50	SSHS-B2818-SUB-16-18		GRAVEL, brown, wet, loose, with sand, and silt	
18					Bottom of borehole at 18.0 feet.	

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BORING B2603

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754380.04 ft **EASTING** 762103 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	SSHS-B2603-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel, some construction debris, some rock fragments	
2					Bottom of borehole at 2.0 feet.	0

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BORING B2604

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754415.08 ft **EASTING** 762088.31 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2604-SUB-0.17-2		SILT, brown to black, moist, medium dense, with gravel, and sand	
2					Bottom of borehole at 2.0 feet.	0.6

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BORING B2608

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754328.14 ft **EASTING** 762122.49 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	No Sample		SANDY SILT, brown to dark brown, moist, medium dense, with gravel	
2		92	SSHS-B2608-SUB-2-4		Light gray	0.1
4					Bottom of borehole at 4.0 feet.	0.07

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BORING B2639

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754495.26 ft **EASTING** 762054.23 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
					SILT, brown, moist, stiff, with sand, and gravel, construction debris	
		100	No Sample		SAND, dry, medium dense, fill fill, odor	
2					SILT, brown to dark brown, medium dense, with sand, and gravel, construction debris, rock fragments	34.5
		96	SSHS-B2639-SUB-2-4			18.1
4					Bottom of borehole at 4.0 feet.	

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BORING B2642

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754512.15 ft **EASTING** 762050.73 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	No Recovery		ASPHALT SILT, brown, dry to moist, medium dense, with sand, and gravel, construction debris	
2		88	SSHS-B2642-SUB-2-4		SILT, black to brown, moist, stiff, with sand, and gravel, slight odor	6.7
4					Bottom of borehole at 4.0 feet.	7.8

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BORING B2643

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754479.42 ft **EASTING** 762063.68 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	No Sample		SILT, brown, moist, medium dense, with sand, and gravel, some rock fragments	
2		63	SSHS-B2643-SUB-2-4		SILT, brown, moist, medium dense, with sand, and gravel	0.03
4					Bottom of borehole at 4.0 feet.	0.05

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BORING B2646

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754384.42 ft **EASTING** 762144.74 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		50	No Sample		SILT, brown, moist, medium dense, with sand, and gravel	
2		50	SSHS-B2646-SUB-2-4		SANDY SILT, dark brown, moist, medium dense, with gravel	0
4		71	SSHS-B2646-SUB-4-6		SANDY SILT, dark brown, moist, medium dense, with gravel, trace brick at 4.5'	0
6					Bottom of borehole at 6.0 feet.	0

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BORING B2653

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754407.96 ft **EASTING** 762192.85 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, soft to medium dense, trace organics, trace roots, topsoil	
2		71	No Sample		SAND, brown to blackish brown, well graded, moist, some gravel, trace construction debris, trace silt	
4		92	SSHS-B2653-SUB-4-6		SILT, black, moist, medium dense, with sand, and gravel, construction debris	0
6					Bottom of borehole at 6.0 feet.	0.05

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BORING B2672

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754375.66 ft **EASTING** 762210.48 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		50	No Sample		SILT, brown, moist, medium dense, with fine sand, and gravel, rock fragments, orange geotextile at 1'	
2		63	No Sample		SANDY SILT, dark brown, moist, medium dense, with gravel, woodchips at 3'	0.1
4		100	SSHS-B2672-SUB-4-6		Construction debris SILT, brown, moist, medium dense, with gravel, and sand, construction debris, some woodchips	0.03
6		63	SSHS-B2672-SUB-6-8			0.05
8					SILTY GRAVEL, brown, moist, medium dense, with sand Bottom of borehole at 8.0 feet.	0.03

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BORING B2703

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754401.03 ft **EASTING** 762092.93 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	SSHS-B2703-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel, some coal, construction debris toward bottom	
2		88	SSHS-B2703-SUB-2-4		CLAY, gray to brown, moist, medium stiff, low plasticity, with sand, and gravel	0
4					Bottom of borehole at 4.0 feet.	0.03

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BORING B-2709

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754719.01 ft **EASTING** 762217.33 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, with fine sand, moist, brown	
		SSHS-B2709-SUB-0.17-2		Medium dense, SILTY SAND, with gravel, moist, light brown, fill material at 2'	
				Medium dense, SANDY SILT, with gravel, moist, brown, becoming dark brown to black near bottom	1.2
2.5		No Sample			
				Becomes some fill material, black	0.1
5.0		SSHS-B2709-SUB-4-6			
				Bottom of borehole at 6.0 feet.	0.2
7.5					

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BORING B2712

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/19 **COMPLETED** 5/19/19
NORTHING 754644.66 ft **EASTING** 762214.1 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 4 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2712-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0.3

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BORING B2776

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754425.28 ft **EASTING** 762152.87 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with fine sand, gravel at 0.75'	
		67	No Sample		SILT, black, moist, medium dense, with sand, and gravel	
2					SILT, black, moist, stiff, with construction debris, and coal, and sand, woodchips	0.07
		75	SSHS-B2776-SUB-2-4			
4					Black, moist, medium dense, sand, silt, gravel, fill fill, construction debris	0.1
		92	SSHS-B2776-SUB-4-6			
6					Bottom of borehole at 6.0 feet.	0.03

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BORING B2777

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754408.73 ft **EASTING** 762130.95 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	No Sample		SILT, brown, moist, medium dense, with sand, and gravel	
2		63	SSHS-B2777-SUB-2-4			0.03
4		63	SSHS-B2777-SUB-4-6		SAND, brown, moist, medium dense, with silt, and gravel	0
6		63	SSHS-B2777-SUB-6-8			0
8					Bottom of borehole at 8.0 feet.	0

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BORING B2778

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754434.82 ft **EASTING** 762136.25 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SILT, brown, with fine sand Black, trace construction debris, and coal	
2		75	SSHS-B2778-SUB-2-4		SILT, brown to gray, moist, medium dense	0.03
4		50	SSHS-B2778-SUB-4-6		SILT, brown, moist, trace sand, and gravel	0.07
6		71	SSHS-B2778-SUB-6-8		SAND, brown, fine to coarse grained, moist, medium dense, with gravel	0.1
8					Bottom of borehole at 8.0 feet.	0.03

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BORING B2779

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754450.14 ft **EASTING** 762113.26 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	No Sample		SILT, brown, moist, medium dense, with sand, and gravel	
2		50	SSHS-B2779-SUB-2-4			0.05
4		67	SSHS-B2779-SUB-4-6		SAND, brown, fine to coarse grained, moist, medium dense	0
6			SSHS-B2779-SUB-6-8			0.03
8					Bottom of borehole at 8.0 feet.	0.07

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BORING B2783

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754756.32 ft **EASTING** 762203.02 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with fine sand	
					SAND, fine to coarse grained, construction debris, rock fragments	
2		52	No Sample		SANDY SILT, brown to black, moist, medium dense	
4					SAND, brown, moist, medium dense, with silt, and gravel, some coal	4
		63	SSHS-B2783-SUB-4-6			
6					Bottom of borehole at 6.0 feet.	3.6

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BORING B2784

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754744.3 ft **EASTING** 762223.58 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with fine sand	
					GRAVEL, loose, construction debris	
2		33	No Sample			
4					SILT, brown, moist, medium dense, with sand, and gravel	2.6
		58	SSHS-B2784-SUB-4-6			
6					Bottom of borehole at 6.0 feet.	2.7

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BORING B-2785

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754665.99 ft **EASTING** 762190.88 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, with sand, and gravel, moist, brown	
		No Sample			
2.5				fill material	
					1.1
5.0		No Sample		Medium dense, SILT, with sand, and gravel, moist, brown to black	
					0.03
		SSHS-B2785-SUB-6-8		Medium dense, SILT, with sand, and gravel, moist, black, odor	
7.5				Bottom of borehole at 8.0 feet.	4.9

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BORING B2804

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754386.94 ft **EASTING** 762171.89 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, with sand, and gravel, orange geotextile at 0.17', construction debris at 2'	
2		75	No Sample		Gray to black, moist, medium dense	
4		63	SSHS-B2804-SUB-4-6		SAND, black to brown, moist, medium dense, with sand, and gravel, some construction debris, some coal	0.05
6					Bottom of borehole at 6.0 feet.	0.05

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BORING B2809

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754589.61 ft **EASTING** 762325.94 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		No Sample		Medium stiff to stiff, SILT, with sand, and gravel, construction debris, brown to black	0
2.5		No Sample		SILT, with sand, and gravel, brown to black, slight odor	0
					0
5.0		SSHS-B2809-SUB-4-6		SAND, with gravel, brown, coal at 5'	
				Bottom of borehole at 6.0 feet.	0.03
7.5					

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BORING B-2709

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/19 **COMPLETED** 5/19/19
NORTHING 754719.01 ft **EASTING** 762217.33 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, with fine sand, moist, brown	
		SSHS-B2709-SUB-0.17-2		Medium dense, SILTY SAND, with gravel, moist, light brown, fill material at 2'	
				Medium dense, SANDY SILT, with gravel, moist, brown, becoming dark brown to black near bottom	1.2
2.5		No Sample			
				Becomes some fill material, black	0.1
5.0		SSHS-B2709-SUB-4-6			
				Bottom of borehole at 6.0 feet.	0.2
7.5					

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BORING B2610

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754561.84 ft **EASTING** 762168.25 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SILT, brown, moist, medium dense, with fine sand	
					SILT, brown, moist, medium dense, with fine sand, with rock fragments, with construction debris, increasing sand and gravel	
2					SAND, construction debris, fill fill	0.07
		100	SSHS-B2610-SUB-2-4		SILT, brown to black, dry to moist, medium dense, with sand, and gravel	
4					Bottom of borehole at 4.0 feet.	0

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BORING B2611

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754568.46 ft **EASTING** 762195.9 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SILT, brown, moist, medium dense	
					SILT, dark brown, moist, medium dense, with gravel, and sand, with rock fragments	
2						0.05
		83	SSHS-B2611-SUB-2-4		Construction debris	
4					Bottom of borehole at 4.0 feet.	0.05

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BORING B2632

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754286.36 ft **EASTING** 762189.61 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		62	No Sample		SILT, brown, moist, medium dense, with sand, and gravel	
6		47	No Sample		SANDY SILT, dark brown to light brown, moist, medium dense, with gravel	0

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(Continued Next Page)

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BORING B2632

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		50	No Sample		SILTY GRAVEL, brown, moist, medium dense, with sand	0.03
12		50	SSHS-B2632-SUB-12-14			0.05
14		50	SSHS-B2632-SUB-14-16		GRAVEL, brown, wet, loose, with sand, and silt, gray staining at 15'	
16					Bottom of borehole at 16.0 feet.	13.8

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BORING B2663

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754547.96 ft **EASTING** 762199.59 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	No Sample		SILT, brown, moist, medium dense, with sand, and gravel, concrete at 1.8'	
2		67	No Sample		SILT, brown to dark brown, moist, medium dense	0.2
4		83	SSHS-B2663-SUB-4-6			0.3
6					COBBLES, construction debris	
					Bottom of borehole at 6.0 feet.	0.1

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BORING B2664

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754519.55 ft **EASTING** 762212.09 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	No Sample		SILT, brown, moist, medium dense, with sand, and gravel	
2		58	No Sample		SILT, dark brown to black, moist, medium dense, with sand, and gravel	0
4		96	SSHS-B2664-SUB-4-6		Coal, fill fill	0
6					Bottom of borehole at 6.0 feet.	0.07

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BORING B2665

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754529.08 ft **EASTING** 762193.03 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		46	No Sample		SILT, brown, moist, medium dense, some fine sand	
2		67	No Sample		SANDY SILT, brown to black, moist, medium dense, with gravel, some construction debris	0.1
4		75	SSHS-B2665-SUB-4-6		SANDY SILT, brown to black, moist, medium dense, with gravel, some construction debris, with coal, and slag	0.05
6					Bottom of borehole at 6.0 feet.	0.1

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BORING B2666

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754498.57 ft **EASTING** 762205.35 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	No Sample		SILT, brown, moist, medium dense, some sand	
					Black, with gravel	
2		67	No Sample		SILT, brown to black, moist, medium dense, with sand, and gravel	0.07
4		75	SSHS-B2666-SUB-4-6		SILT, brown to black, moist, medium dense, with sand, and gravel, trace coal, construction debris from 4.5'-5'	0.03
6					Bottom of borehole at 6.0 feet.	0.03

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BORING B2691

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754546.88 ft **EASTING** 762169.82 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		88	No Sample		SILT, dark brown, moist, medium dense	
					SILT, dark brown, moist, medium dense, with construction debris, with sand, some gravel, trace coal	
2		83	SSHS-B2691-SUB-2-4		SANDY SILT, dark brown to brown, moist, medium dense, with gravel	0
4					Bottom of borehole at 4.0 feet.	0.1

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BORING B2692

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754568.8 ft **EASTING** 762182.59 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense	
		71	No Sample		COBBLES, brown to gray, loose, with sand, and silt	
2					SILTY GRAVEL, dark brown, moist, loose to medium dense, some sand	0.03
		75	SSHS-B2692-SUB-2-4			
4					Bottom of borehole at 4.0 feet.	0.03

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BORING B2693

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754562.64 ft **EASTING** 762211.17 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	SSHS-B2693-SUB-0.17-2		SILT, brown, moist, medium dense SILTY GRAVEL, dark brown to black, moist, medium dense, with sand	
2		83	SSHS-B2693-SUB-2-4		SILT, with sand, and gravel, construction debris at 2.8'	0
4					Bottom of borehole at 4.0 feet.	0.03

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BORING B2782

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754733.55 ft **EASTING** 762194.67 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, and gravel, becoming black at 2'	
2		71	No Sample		SAND, light brown, moist, medium dense, construction debris	
4		79	SSHS-B2782-SUB-4-6		Construction debris, black staining at 5'	0.1
6					Bottom of borehole at 6.0 feet.	0.03

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BORING B2786

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754641.78 ft **EASTING** 762182.69 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, and gravel	
					GRAVEL	
2		83	No Sample		Dark brown, fill fill	
					Light brown	
4					Brown to black, sand, silt, gravel, fill fill, construction debris	0.08
		63	No Sample			
6					CLAY, light brown, moist, medium stiff, low plasticity	1
					SILT, dark brown, moist, medium dense, with sand, and gravel	
		58	SSHS-B2786-SUB-6-8			
8					Bottom of borehole at 8.0 feet.	1

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BORING B2787

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754676.91 ft **EASTING** 762168.82 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, and gravel, rock fragments at 1'	
2		79	No Sample			
					Rock fragments, construction debris	
4					SILT, brown to black, moist, medium dense, with sand, and gravel	7
		100	No Sample			
					CLAY, moist, medium stiff, low plasticity	
6					Black to reddish orange, moist, medium dense, sand, silt, gravel, fill fill	3.9
		83	SSHS-B2787-SUB-6-8		SANDY CLAY, brown, moist, medium stiff, with gravel	
8					Bottom of borehole at 8.0 feet.	0.7

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BORING B2788

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/19 **COMPLETED** 5/20/19
NORTHING 754676.91 ft **EASTING** 762168.82 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand	
					GRAVEL	
2		79	No Sample		SAND, fine to coarse grained	
					SILT, with gravel	
					Silt, sand, gravel, fill fill	
4					SILT, brown to dark brown, moist, medium dense, with sand, and gravel	0.2
		75	No Sample			
6					Increasing gravel	0.03
		83	SSHS-B2788-SUB-6-8			
8					Bottom of borehole at 8.0 feet.	0

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BORING B2645

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/19 **COMPLETED** 5/21/19
NORTHING 754380.36 ft **EASTING** 762089.8 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					ASPHALT	
		96	No Sample		SILT, gray to black, moist, medium dense, with sand, and gravel	
2					SILT, black, moist, loose to medium dense, with sand, and gravel, some construction debris, fill fill	1.2
		88	SSHS-B2645-SUB-2-4			
4					Bottom of borehole at 4.0 feet.	2

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BORING B2677

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/19 **COMPLETED** 5/21/19
NORTHING 754421.81 ft **EASTING** 762010.54 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2677-SUB-0.17-2		ASPHALT SANDY SILT, brown, moist, medium dense, with gravel, some rock fragments, geotextile at 2'	
2					Bottom of borehole at 2.0 feet.	0.5

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BORING B2690

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/19 **COMPLETED** 5/21/19
NORTHING 754370.69 ft **EASTING** 762078.24 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2690-SUB-0.17-2		ASPHALT SILT, brown to light brown, moist, medium dense, with sand, and gravel, geotextile at 2'	
2					Bottom of borehole at 2.0 feet.	0.03

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BORING B2708

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/19 **COMPLETED** 5/21/19
NORTHING 754770.24 ft **EASTING** 762280.38 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	SSHS-B2708-SUB-0.17-2		SILT, brown, moist, medium dense, trace gravel, and sand	
2		67	No Sample		SANDY SILT, black, moist, loose to medium dense, trace gravel	0.6
4		58	No Sample		Brown to black	0.9
6		96	SSHS-B2708-SUB-6-8		SANDY SILT, brown, moist, medium dense, with gravel	0.7
8					Bottom of borehole at 8.0 feet.	0.2

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BORING B2728

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/19 **COMPLETED** 5/21/19
NORTHING 754424.9 ft **EASTING** 762026.69 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	SSHS-B2728-SUB-0.17-2		ASPHALT SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0.07

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BORING B2729

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/19 **COMPLETED** 5/21/19
NORTHING 754397.53 ft **EASTING** 762038 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0			SSHS-B2729-SUB-0.17-2		GRAVELLY SILT, brown, moist, medium dense, with sand	
2			No Sample		SILT, dark brown, moist, with sand, and gravel, concrete towards bottom	0.1
4			SSHS-B2729-SUB-4-6		Construction debris SILTY SAND, brown, moist, medium dense, trace gravel CLAY, brown, moist, stiff, low plasticity	1.1
6					Bottom of borehole at 6.0 feet.	0.1

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BORING B2730

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/19 **COMPLETED** 5/21/19
NORTHING 754374.66 ft **EASTING** 762031.61 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2730-SUB-0.17-2		ASPHALT GRAVELLY SILT, brown, moist, medium dense, with sand, some construction debris, geotextile at 2'	
2					Bottom of borehole at 2.0 feet.	0.2

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BORING B2731

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/19 **COMPLETED** 5/21/19
NORTHING 754502.59 ft **EASTING** 761993.84 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B2731-SUB-0.17-2		ASPHALT SANDY SILT, brown, moist, medium dense, with gravel	
					CLAY, brown, moist, stiff, low plasticity, with gravel	
2					Bottom of borehole at 2.0 feet.	0.08

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BORING B2732

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/19 **COMPLETED** 5/21/19
NORTHING 754474.4 ft **EASTING** 761989.79 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2732-SUB-0.17-2		ASPHALT SILT, brown, moist, medium dense, with sand, and gravel, construction debris	
2					Bottom of borehole at 2.0 feet.	0.07

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BORING B2789

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/19 **COMPLETED** 5/21/19
NORTHING 754753.79 ft **EASTING** 762255.76 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, and gravel, some rock fragments	
2		75	No Sample			
4						0
		58	No Sample		Construction debris	
6					SILT, gray, moist, medium dense, with sand, and gravel, odor	1.1
		58	SSHS-B2789-SUB-6-8			
8					Bottom of borehole at 8.0 feet.	4.3

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BORING B2790

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/19 **COMPLETED** 5/21/19
NORTHING 754742.23 ft **EASTING** 762278.58 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with sand, some gravel, construction debris, becoming black towards bottom, odor	
2		75	No Sample			
4					SAND, gray to brown, moist, medium dense, with sand, and gravel, odor	7.6
		96	No Sample			
6					Wet, strong odor	16.2
			SSHS-B2790-SUB-6-8			
8					Bottom of borehole at 8.0 feet.	3

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BORING B2791

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/19 **COMPLETED** 5/21/19
NORTHING 754780.76 ft **EASTING** 762260.75 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium dense, with gravel	
					GRAVEL, construction debris	
2		63	No Sample		SILT, dark brown to black, moist, medium dense, with sand, and gravel	
4		100	SSHS-B2791-SUB-4-6		SILT, black to gray, moist, loose to medium dense, with sand, and gravel, odor	2.6
6		71	SSHS-B2791-SUB-6-8		Dark gray to gray	4.5
8					Bottom of borehole at 8.0 feet.	2.7

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BORING B2801

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/19 **COMPLETED** 5/21/19
NORTHING 754701.97 ft **EASTING** 762124.48 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2801-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0.4

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BORING B2606

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/22/19 **COMPLETED** 5/22/19
NORTHING 754388.78 ft **EASTING** 762072.18 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2606-SUB-0.17-2		SILT, brown, moist, loose to medium dense, with gravel, and sand	
2					Bottom of borehole at 2.0 feet.	1.4

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BORING LOG

BORING NO. SSHS-B ~~2624~~ 2644

SHEET ____ OF ____

DRILLING CO.: Cascade Environmental	SITE: Former Sperry Remington N
METHOD & TOOLS: Geoprobe	PROJECT NO.: MN0832E/16/01
RIG:	N: E:
BIT DIAMETER: DRILLER:	SUPERVISOR:
GROUND ELEV.: ☐ Surveyed ☐ Estimated	DATE: 5/22/19

Status: ☐ Well Installed ☐ Plugged & Abdnd ☐

Borehole Location Sketch Map

Top (Depth)	☐ Feet ☐ Meters	Lithology Log	Graphic Log	Depth Scale	Well	SPT Blows/6"	Run (No.)	Rec (%)	Drilling Log
0		Brown silt w/ sand + gravel. moist. loose NM. St.	0.9					100%	HA
2		SAA.	1.4					100%	HA.
4									

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BORING B2689

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/22/19 **COMPLETED** 5/22/19
NORTHING 754406.16 ft **EASTING** 762064.43 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2689-SUB-0.17-2		SILT, brown, moist, loose to medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	1.6

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BORING B2726

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/22/19 **COMPLETED** 5/22/19
NORTHING 754428.71 ft **EASTING** 762054.55 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2776-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0.9

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BORING B2727

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/22/19 **COMPLETED** 5/22/19
NORTHING 754453.87 ft **EASTING** 762024.14 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Hollow Stem Auger
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Hand Auger
LOGGED BY M. Schallinger **CHECKED BY** A. Ranna
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2727-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, and gravel	
2					Bottom of borehole at 2.0 feet.	0.3

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BORING B3008

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/26/19 **COMPLETED** 8/26/19
NORTHING 762181.093 ft **EASTING** 754980.933 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 6 (2-4), Dup 9 (10-12) ft, MS/MSD 5 (6-8) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				No Sample	
2.5		SSHS-B3008-Sub-2-4		Medium dense, GRAVEL, with silt, and sand, dry, dark brown	3.9
5.0		SSHS-B3008-Sub-4-6		Medium dense, SILTY SAND, with gravel, trace construction debris, moist, dark brown to black	1.9
7.5		SSHS-B3008-Sub-6-8		Medium dense, SILT, with gravel, and sand, some rock fragments, dry, black to brown	2.7
		SSHS-B3008-Sub-8-10		Soft to stiff, SANDY SILT, with gravel, dry, brown	1.9

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BORING B3008

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Becomes medium dense, trace coal, moist	1.8
		SSHS-B3008-Sub-10-12			
				Loose to medium dense, SAND, dry to moist, black to brown	1.1
12.5		SSHS-B3008-Sub-12-14			
				GRAVEL	
15.0				▽	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3022

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/26/19 **COMPLETED** 8/26/19
NORTHING 762146.846 ft **EASTING** 754902.517 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 7 (0.17-2) ft, Dup 10 (4-6) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3022-Sub-0-0.17		Stiff, SANDY SILT, moist, reddish brown, poorly graded, non plastic	3
		SSHS-B3022-Sub-0.17-2			2.2
				Loose, SILTY SAND, with gravel, moist, brown, poorly graded, subangular	
2.5		SSHS-B3022-Sub-2-4			0.7
		SSHS-B3022-Sub-4-6			1.2
5.0				Medium stiff, SANDY CLAY, trace gravel, moist, brown, low plasticity	
				Loose, SILTY SAND, with gravel, moist, brown, poorly graded, subangular	2.6
7.5		SSHS-B3022-Sub-6-8			
		SSHS-B3022-Sub-8-10			3.6

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BORING B3022

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SILTY SAND, with gravel, moist, brown, poorly graded, subangular *(continued)*	6.2
		SSHS-B3022-Sub-10-12			
					0.9
12.5		SSHS-B3022-Sub-12-14			
				▽ Loose, SILTY GRAVEL, with sand, wet, brown, poorly graded, subangular	3.9
15.0					
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3034

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/26/19 **COMPLETED** 8/26/19
NORTHING 762065.834 ft **EASTING** 754936.489 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3034-SUB-0-0.17		SILT, moist, brown, topsoil at surface	4.5
		SSHS-B3034-SUB-0.17-2		SILTY SAND, with fine gravel, and black shiny material (ash), coarse grained, brown, well graded	0.5
2.5		SSHS-B3034-SUB-2-4		SILTY SAND, with clay, moist, dark brown	1.5
				Soft, SILTY CLAY, moist, light brown, low plasticity	
				SILTY SAND, some clay, coarse grained, moist, dark brown, well graded	
5.0		SSHS-B3034-SUB-4-6		Soft, SILTY CLAY, light brown, grey gravel at 1.4'	0.9
		SSHS-B3034-SUB-6-8		SILTY SAND, with gravel, some clay, fine to coarse grained, moist, dark brown, dry light red sand at 1.0', some intervals of dry light brown sand	0.8
7.5		SSHS-B3034-SUB-8-10			0.8

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BORING B3034

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0					
		SSHS-B3034-SUB-10-12		SILTY SAND, with gravel, trace black shiny material (ash), trace clay, coarse grained, moist, dark brown, well graded	0.9
12.5		SSHS-B3034-SUB-12-14			0.8
		SSHS-B3034-SUB-14-16			0.7
15.0				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3035

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/26/19 **COMPLETED** 8/26/19
NORTHING 762089.698 ft **EASTING** 754882.142 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3035-SUB-0-0.17		Stiff, SANDY SILT, moist, reddish brown, poorly graded, non plastic	3.3
		SSHS-B3035-SUB-0.17-2		Loose, SILTY SAND, with gravel, moist, brown and gray, well graded, subangular	0.1
2.5		SSHS-B3035-SUB-2-4			0.1
		SSHS-B3035-SUB-4-6			1.4
5.0		SSHS-B3035-SUB-6-8			2
7.5		SSHS-B3035-SUB-8-10			1.9

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BORING B3035

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0					
		SSHS-B3035-SUB-10-12			2.9
12.5		SSHS-B3035-SUB-12-14			0.9
				Loose, SANDY CLAY, with gravel, wet, brown, well graded subrounded gravel	
15.0		SSHS-B3035-SUB-14-16			0.3
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3049

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/26/19 **COMPLETED** 8/26/19
NORTHING 762011.842 ft **EASTING** 754915.64 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	SSHS-B3049-SUB-0.17-2 SSHS-B3049-SUB-0-0.17		SILT, brown, moist, medium stiff, with gravel, trace coal	4.8 1.2
2		92	SSHS-B3049-SUB-2-4		SAND, brown to gray, and gravel, wood chips SILT, brown, moist, stiff, with fine sand	1.1
4		75	SSHS-B3049-SUB-4-6		SILT, black to brown, moist, medium stiff, with sand, and gravel	1.3
6		83	SSHS-B3049-SUB-6-8		SAND, fine to coarse grained, moist, medium dense, with gravel	1.2
8		58	SSHS-B3049-SUB-8-10		SAND, fine to coarse grained, moist, medium dense, with gravel, and rock fragments, some silt	0.8
10						

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BORING B3049

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B3049-SUB-10-12		SAND, gray, dry to moist, medium dense, with silt, and gravel, and rock fragments	0.1
12		100	SSHS-B3049-SUB-12-14			2
14			SSHS-B3049-SUB-14-16		GRAVEL, loose	1.3
16					Bottom of borehole at 16.0 feet.	

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BORING B3050

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/26/19 **COMPLETED** 8/26/19
NORTHING 762034.953 ft **EASTING** 754859.818 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 3 (0.17-2) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B3050-SUB-0.17-2		SANDY SILT, reddish brown, poorly graded, moist, non plastic	0.3
					SANDY SILT, brown and black, well graded, subangular, moist, with gravel	
2		96	SSHS-B3050-SUB-2-4		SANDY SILT, reddish brown, poorly graded, moist, non plastic	0.6
4		54	SSHS-B3050-SUB-4-6		SILTY SAND, gray and brown, subangular, moist, loose, with gravel	0.7
6		50	SSHS-B3050-SUB-6-8			0.2
8		75	SSHS-B3050-SUB-8-10			3.2
10						

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BORING B3050

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		33	SSHS-B3050-SUB-10-12			0.1
12		42	SSHS-B3050-SUB-14-16		SANDY CLAY, brown, well graded, subrounded, wet, loose, with gravel	0.2
14		29	SSHS-B3050-SUB-16-18			0.2
16					Bottom of borehole at 16.0 feet.	

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BORING B3064

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/26/19 **COMPLETED** 8/26/19
NORTHING 761956.837 ft **EASTING** 754896.75 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	SSHS-B3064-SUB-0.17-2 SSHS-B3064-SUB-0-0.17		SILT, brown, moist, medium stiff, some sand, gravel	4.7 1
2		88	SSHS-B3064-SUB-2-4		SILT, brown, moist, loose, with sand, and gravel, trace coal	0.7
4		92	SSHS-B3064-SUB-4-6		SILT, brown, moist, medium stiff to stiff, with sand, and gravel, trace coal	1.1
6		54	SSHS-B3064-SUB-6-8		SILT, brown, moist, medium stiff to stiff, with sand, and gravel, trace coal, rock fragments	0.4
8		83	SSHS-B3064-SUB-8-10		SAND, moist, loose, with gravel, and rock fragments	0.5
10						

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BORING B3064

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3064-SUB-10-12		SAND, brown, dry to moist, medium dense, some silt, with rock fragments	1.2
12			SSHS-B3064-SUB-12-14 REFUSAL AT 4', 12'		SILT, brown, moist, medium stiff	0.7
14					Bottom of borehole at 14.0 feet.	

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BORING B3077

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/26/19 **COMPLETED** 8/26/19
NORTHING 761905.407 ft **EASTING** 754879.86 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES MS/MSD 1 (4-6) ft, Dup 2 (12-14) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	SSHS-B3077-SUB-0.17-2 SSHS-B3077-SUB-0-0.17		SILT, brown, moist, stiff, trace sand, becoming sandy gravel	0.2 0.2
2		67	SSHS-B3077-SUB-2-4		SAND, brown to black, moist, with gravel, some silt	0.5
4		100	SSHS-B3077-SUB-4-6		SILT, dark brown to brown, moist, stiff, trace sand, trace gravel	0.6
6		50	SSHS-B3077-SUB-6-8			0.6
8		63	SSHS-B3077-SUB-8-10		SILTY SAND, moist, medium dense, with gravel	0.5
10						

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BORING B3077

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3077-SUB-10-12		SAND, brown, fine to coarse grained, loose to medium dense, with silt, and gravel, rock fragments	0.4
12					SAND, brown, dry to moist, loose, with silt, and gravel, rock fragments, becomes wet at 14.5 ft	
			SSHS-B3077-SUB-12-16			1
14		63				
16					Bottom of borehole at 16.0 feet.	

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BORING B3078

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/26/19 **COMPLETED** 8/26/19
NORTHING 761923.409 ft **EASTING** 754818.562 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B3078-SUB-0.17-2		SANDY SILT, reddish brown, poorly graded, moist, roots	2.5
2		67	SSHS-B3078-SUB-2-4		SILTY SAND, brown, moist, loose, gravel, subangular gray gravel SILTY SAND, gray and brown, moist, loose, with gravel, subangular gravel CLAY, brown, moist, medium plasticity, with sand, trace gravel	3.4
4		100	SSHS-B3078-SUB-4-6			3.7
6		50	SSHS-B3078-SUB-6-8		SILTY SAND, brown, moist, loose, with gravel, subangular gravel	2.8
8		54	SSHS-B3078-SUB-8-10			2.4
10						

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BORING B3078

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		54	SSHS-B3078-SUB-10-12		SILTY SAND, brown, moist, loose, with gravel, subangular gravel	2.9
12		58	SSHS-B3078-SUB-12-14			1.8
14					Bottom of borehole at 14.0 feet.	

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BORING B3098

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/26/19 **COMPLETED** 8/26/19
NORTHING 761851.748 ft **EASTING** 754854.135 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 1 (0-2) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	SSHS-B3098-SUB-0.17-2 SSHS-B3098-SUB-0-0.17		SANDY SILT, red, dry, loose	0.3
					SILT, brown, moist, medium stiff to stiff, with sand, some coal, trace gravel	0.4
2		79	SSHS-B3098-SUB-2-4		SANDY SILT, red to gray, moist, medium stiff to stiff, with gravel	0.3
4		63	SSHS-B3098-SUB-4-6		SILT, brown, moist, medium stiff	0.6
					SAND, moist, medium dense, with silt	
6		58	SSHS-B3098-SUB-6-8		SAND, moist, medium dense, with silt, rock fragments	0.5
8		71	SSHS-B3098-SUB-8-10		SILT, gray to brown, moist, medium stiff, with sand, gravel	0.3
10						

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BORING B3098

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B3098-SUB-10-12		SAND, brown, fine to coarse grained, moist, loose, with silt, gravel	0.7
12		63	SSHS-B3098-SUB-12-14		SAND, brown to gray, moist, loose, with gravel, some silt	0.2
14					SAND, brown to gray, wet, loose, with gravel, some silt	
16					Bottom of borehole at 16.0 feet.	

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BORING B3099

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/26/19 **COMPLETED** 8/26/19
NORTHING 761856.14 ft **EASTING** 754787.423 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B3099-SUB-0-0.17 SSHS-B3099-SUB-0.17-2		SILTY SAND, brown, poorly graded, moist, loose	0.3
					SILTY SAND, brown, well graded, moist, loose, with gravel, gray gravel fragments	1.3
2		67	SSHS-B3099-SUB-2-4			1.9
4		67	SSHS-B3099-SUB-4-6			2.7
6		100	SSHS-B3099-SUB-6-8		SILTY SAND, brown to light brown, well graded, moist, loose, with gravel, subangular gray and brown gravel fragments	3.7
8		67	SSHS-B3099-SUB-8-10			4.3
10						

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BORING B3099

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B3099-SUB-10-12		SANDY SILT, light gray, well graded, moist, loose, with gravel, subangular gravel	2.1
12		50	SSHS-B3099-SUB-12-16			2.1
14						
16					Bottom of borehole at 16.0 feet.	

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BORING B3006

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 762096.256 ft **EASTING** 755206.346 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 18 (2-4) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Sample	
2		100	SSHS-B3006-2-4		SAND, brown, dry, loose, with gravel, some construction debris	3.9
4		83	SSHS-B3006-4-6		SAND, dry to moist, loose, with gravel, and construction debris	4
6		100	SSHS-B3006-6-8		GRAVELLY SAND, gray, dry to moist, loose, with silt, some construction debris	2.8
8		100	SSHS-B3006-8-10			1.9
10						

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BORING B3006

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3006-10-12		With construction debris	2.7
12		63	SSHS-B3006-12-14		Dry	1.7
14		100			SANDY GRAVEL, wet, loose, some silt	1.8
16					Bottom of borehole at 16.0 feet.	

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BORING B3007

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 762134.768 ft **EASTING** 755092.705 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES MS/MSD-09 (12-14) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		900	SSHS-B3007-Sub-0-0.17		SILT, brown, with organics	4.8
			SSHS-B3007-Sub-0.17-2		SAND, brown, fine to medium grained, dry to moist, loose, with gravel, and silt	
2		79	SSHS-B3007-Sub-2-4		SILT, dark brown to black, dry to moist, loose, with fine sand, trace coal, and construction debris	3.5
4		67	SSHS-B3007-Sub-4-6		SILT, brown, moist, loose, with fine sand, and gravel	3
6		79	SSHS-B3007-Sub-6-8		Light brown	1.9
8		83	SSHS-B3007-Sub-8-10		Increasing sand and gravel	1.8
10						

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BORING B3007

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		88	SSHS-B3007-Sub-10-12			1.7
12		71	SSHS-B3007-Sub-12-14			0.5
14		131			Construction debris	
					SAND, coarse grained, wet, loose, and gravel	
16					Bottom of borehole at 16.0 feet.	

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BORING B3017

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 762015.862 ft **EASTING** 755239.201 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Refusal at 8.5'. 9' and 10'. Dup 29 (0.17-2) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		71	SSHS-B3017-Sub-0-0.17 SSHS-B3017-Sub-0.17-2		SANDY SILT, reddish brown, poorly graded, fine grained, moist, medium stiff, non plastic SANDY GRAVEL, brown and gray, well graded, subangular, fine grained, moist, loose, with clay	1.7
2		63	SSHS-B3017-Sub-2-4		CLAYEY SAND, brown, well graded, subangular, fine grained, moist, loose, with gravel	2.9
4		92	SSHS-B3017-Sub-4-6		CLAY, brown, poorly graded, moist, very stiff, high plasticity, trace sand, trace gravel	1.7
6		75	SSHS-B3017-Sub-6-8		CLAYEY SAND, light brown and dark gray, well graded, subangular, fine grained, moist, medium dense, with gravel	1.9
8		83	SSHS-B3017-Sub-8-10		SANDY GRAVEL, brown and gray, well graded, subangular, fine grained, moist, loose, with clay	1.4
10					Bottom of borehole at 10.0 feet.	

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BORING B3018

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 762037.537 ft **EASTING** 755181.277 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 19 (8-10) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		71	SSHS-B3018-Sub-0-0.17 SSHS-B3018-Sub-0.17-2		SILT, brown, moist, dense	2.2
					SILT, brown, and gravel	
2		71	SSHS-B3018-Sub-2-4		SILT, brown, moist, medium dense, with gravel	2.1
					SAND, brown, fine to coarse grained, moist, medium dense, trace gravel	
4		50	SSHS-B3018-Sub-4-6		SANDY SILT, brown, moist, stiff, with gravel	2.9
6		71	SSHS-B3018-Sub-6-8		SILTY SAND, brown, moist, medium dense, with gravel	2.1
8		58	SSHS-B3018-Sub-8-10		Some construction debris	1.8
10						

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BORING B3018

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B3018-Sub-10-12		SILTY SAND, fine to coarse grained, moist, loose to medium dense, with gravel, some construction debris	1.6
12		100	SSHS-B3018-Sub-12-14		SANDY GRAVEL, moist, medium dense, with sand	0.9
14		58			GRAVELLY SAND, brown to gray, loose, with silt	1.1
16					Bottom of borehole at 16.0 feet.	

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BORING B3019

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 762064.919 ft **EASTING** 755094.641 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES MS/MSD 8 (2-4) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B3019-Sub-0-0.17		Medium stiff, SILT, moist, brown	2.3
		SSHS-B3019-Sub-0.17-2		Medium dense, GRAVEL, and sand, dry to moist	
2.5		SSHS-B3019-Sub-2-4		Loose to medium dense, SAND, with silt, and gravel, some gravel, fine to medium grained, brown	2
5.0		SSHS-B3019-Sub-4-6		Loose, SAND, and gravel, fine to coarse grained, moist, brown	2.6
		SSHS-B3019-Sub-6-8		Becomes with construction debris	1.8
7.5		SSHS-B3019-Sub-8-10		Medium dense, SAND, and gravel, fine to coarse grained, dry to moist	2

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BORING B3019

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3019-Sub-10-12		Becomes loose to medium dense, with construction debris	2.2
12.5		SSHS-B3019-Sub-12-14		Medium dense, GRAVEL, with sand, and silt, fine to coarse grained, moist	1.8
				Becomes wet	3.1
15.0				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3020

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 762103.376 ft **EASTING** 755013.601 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** M. Schallinger
NOTES Dup-15 (0.17-2) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B3019-Sub-0-0.17		Stiff, SANDY SILT, moist, reddish brown	
		SSHS-B3019-Sub-0.17-2			1.9
				Loose, SILTY SAND, with gravel, moist, brown and gray, subangular	
2.5		SSHS-B3019-Sub-2-4			1.2
					0.7
5.0		SSHS-B3019-Sub-4-6			
		SSHS-B3019-Sub-6-8			1.3
7.5					
		SSHS-B3019-Sub-8-10			1.3

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BORING B3020

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3019-Sub-10-12		Loose, SILTY SAND, with gravel, moist, brown and gray, subangular *(continued)*	1.5
12.5		SSHS-B3019-Sub-12-14		Loose, SANDY GRAVEL, with clay, light brown and gray, well graded, subangular	2
				Becomes dark brown and gray	1.9
15.0				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3031

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 762003.283 ft **EASTING** 755103.356 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD (6-8) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SANDY SILT, moist, reddish brown, poorly graded	
				Medium dense, SANDY CLAY, with gravel, moist, brown, poorly graded	
		SSHS-B3031-SUB-0.17-2			3.9
2.5		SSHS-B3031-SUB-2-4			4.9
		SSHS-B3031-SUB-4-6			3.1
5.0				COBBLES, pulverized concrete	
				Medium dense, CLAYEY SAND, with gravel, and fine sand, moist, brown, well graded, subangular	
		SSHS-B3031-SUB-6-8			4.3
7.5					
		SSHS-B3031-SUB-8-10			3.1

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BORING B3031

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3031-SUB-10-12		Loose, CLAYEY GRAVEL, with sand, and fine sand, moist, brown and gray, well graded, subangular	0.7
12.5		SSHS-B3031-SUB-12-14		Loose, CLAYEY SAND, with gravel, and fine sand, moist, brown and gray, well graded, subangular	4.5
15.0		SSHS-B3031-SUB-14-16		Very loose, CLAYEY GRAVEL, with sand, fine sand, brown, well graded, subangular	1.9
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3032

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 762021.438 ft **EASTING** 755047.888 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 16 (2-4) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		0	SSHS-B3032-SUB-0.17-2		SAND, with silt, and gravel	
2		100	SSHS-B3032-SUB-2-4		SILT, moist, loose, with sand, and gravel, contains red brick fragments; sand content increases upwards	1.8
4		100	SSHS-B3032-SUB-4-6		CLAY, brown, moist, stiff, low plasticity, some gravel	0.8
6		58	SSHS-B3032-SUB-6-8		SILTY SAND, brown, moist, medium dense, with gravel, some concrete between 8'-10'	1.6
8		75	SSHS-B3032-SUB-8-10			3.4
10						

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BORING B3032

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		79	SSHS-B3032-SUB-10-12		SANDY SILT, moist, medium dense, with gravel, bi-valve fossil spotted	3.6
12		42	SSHS-B3032-SUB-12-14		SILTY SAND, moist, dense, with gravel, and rock fragments	
14		100	SSHS-B3032-SUB-14-16		GRAVEL, gray, wet, and sand, some silt	
16					Bottom of borehole at 16.0 feet.	

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BORING B3033

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 762042.709 ft **EASTING** 754992.984 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SANDY SILT, moist, reddish brown, poorly graded, non plastic	
		SSHS-B3033-SUB-0.17-2		Loose, SILTY SAND, gravel, moist, gray and brown, well graded, subangular	1.1
2.5		SSHS-B3033-SUB-2-4		Stiff, CLAY, trace sand, moist, light brown, medium plasticity	2.8
5.0		SSHS-B3033-SUB-4-6		Loose, SANDY CLAY, with gravel, light brown, non plastic, gravel is subangular, poorly sorted	2.2
		SSHS-B3033-SUB-6-8			0.7
7.5		SSHS-B3033-SUB-8-10			3.5

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BORING B3033

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SANDY CLAY, with gravel, light brown, non plastic, gravel is subangular, poorly sorted *(continued)*	
		SSHS-B3033-SUB-10-12			3.2
12.5		SSHS-B3033-SUB-12-14			2
		SSHS-B3033-SUB-14-16			3.6
15.0				Loose, SILTY SAND, with gravel, dark gray, well graded, subrounded	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3043

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761879.883 ft **EASTING** 755250.699 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** M. Schallinger
NOTES Dup 36 (8-10) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B3043-SUB-0.17-2		SILT, brown, moist, medium stiff, sand, gravel	0.8
2		67	SSHS-B3043-SUB-2-4		CLAY, light brown, moist, medium stiff, medium plasticity, some sand, trace gravel	1.1
4		58	SSHS-B3043-SUB-4-6		COBBLES, moist, silt, some gravel, concrete	1.2
6		71	SSHS-B3043-SUB-6-8		GRAVEL, gray, fine to coarse grained, loose, some sand, some gravel	1.1
8		100	(NO PID READING) SSHS-B3043-SUB-8-10		SAND, brown, fine to coarse grained, moist, medium dense, with silt, and gravel, concrete	
10						

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BORING B3043

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B3043-SUB-10-12		SAND, tan to brown, moist, medium dense, with silt, trace gravel	0.1
12		100	SSHS-B3043-SUB-12-14		SILT, moist, stiff, some sand, some gravel	1.5
14		100	SSHS-B3043-SUB-14-16		GRAVEL, fine to coarse grained, wet, medium dense, with sand	0.3
16					Bottom of borehole at 16.0 feet.	

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BORING B3046

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761947.543 ft **EASTING** 755083.37 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SANDY SILT, moist, reddish brown, poorly graded	
		SSHS-B3046-SUB-0.17-2		Loose, SANDY GRAVEL, with clay, fine sand, moist, gray and brown, well graded	4.8
2.5		SSHS-B3046-SUB-2-4		Medium dense, SANDY SILT, with gravel, fine sand, moist, black and brown, well graded	14.5
		SSHS-B3046-SUB-4-6		Loose, SANDY GRAVEL, with clay, fine sand, moist, brown, well graded, subangular	6.9
5.0		SSHS-B3046-SUB-6-8			4.5
7.5		(NO PID READING) SSHS-B3046-SUB-8-10			

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BORING B3046

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SANDY GRAVEL, with clay, fine sand, moist, brown, well graded, subangular *(continued)*	
		SSHS-B3046-SUB-10-12			1.5
12.5		SSHS-B3046-SUB-12-14			2.5
		SSHS-B3046-SUB-14-16			1.7
15.0				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3047

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761970.918 ft **EASTING** 755026.287 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	SSHS-B3047-SUB-0.17-2		SILT, brown, moist, medium dense, some sand, gravel	4.2
2		92	SSHS-B3047-SUB-2-4		CLAY, grayish brown, moist, medium stiff, low plasticity, sand, coal	2
4		71	SSHS-B3047-SUB-4-6		GRAVELLY SAND, some silt, some clay, some rock fragments, trace coal	2.5
6		96	SSHS-B3047-SUB-6-8		SAND, with gravel, some silt, trace concrete	1.6
8		100	SSHS-B3047-SUB-8-10		SILTY SAND, brown to black, with gravel, concrete	0.4
10						

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BORING B3047

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		88	SSHS-B3047-SUB-10-12		SILTY SAND, brown to black, dry to moist, with gravel, concrete	3
12		92	SSHS-B3047-SUB-12-14			1.7
14		100	(NO PID READING) SSHS-B3047-SUB-14-16		GRAVELLY SAND, moist	
					GRAVELLY SAND, wet	
16			PID READING OF AMBIENT AIR: 0.2 PPM		Bottom of borehole at 16.0 feet.	

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BORING B3048

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761990.38 ft **EASTING** 754970.296 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SANDY SILT, moist, brown, poorly graded	
		SSHS-B3048-SUB-0.17-2		SILTY SAND, with clay, moist, brown and gray, well graded, subangular	1.9
2.5				SANDY CLAY, moist, dark brown to light brown, poorly graded, medium plasticity	
		SSHS-B3048-SUB-2-4			2.2
5.0		SSHS-B3048-SUB-4-6			1.8
				Loose, SILTY SAND, with gravel, brown and gray, well graded, subangular	
		SSHS-B3048-SUB-6-8			1.5
7.5					
		SSHS-B3048-SUB-8-10			2.1

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BORING B3048

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SILTY SAND, with gravel, brown and gray, well graded, subangular *(continued)*	
		SSHS-B3048-SUB-10-12			2.2
		SSHS-B3048-SUB-14-16			1.9
12.5					
				Loose, SILTY SAND, with gravel, wet, brown and gray, well graded, subangular	
15.0		(NO PID READING) SSHS-B3048-SUB-16-18			
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3061

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761893.554 ft **EASTING** 755067.422 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 10 (0.17-2) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, reddish brown, poorly graded, moist	
		100	SSHS-B3061-SUB-0.17-2		SANDY GRAVEL, gray and brown, well graded, subangular, moist, loose, with clay, fine sand	2.3
2		100	SSHS-B3061-SUB-2-4		SILTY SAND, black and dark brown, moist, medium dense, trace gravel	1.1
					COBBLES, brick fragments	
4		100	SSHS-B3061-SUB-4-6		CLAY, light brown, poorly graded, moist, medium dense, with sand, trace gravel	1.6
6		67	SSHS-B3061-SUB-6-8			0.9
8		54	SSHS-B3061-SUB-8-10		SILTY SAND, light brown, well graded, subangular, fine grained, moist, loose, with gravel	1.8
10						

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BORING B3061

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		79	SSHS-B3061-SUB-10-12		SANDY GRAVEL, light brown and gray, well graded, subangular, moist, very loose, with clay, fine sand	1.9
12		71	SSHS-B3061-SUB-12-14			2.4
14		50	SSHS-B3061-SUB-14-16		SANDY GRAVEL, light brown and gray, well graded, subangular, wet, very loose, with clay, fine sand	2.9
16					Bottom of borehole at 16.0 feet.	

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BORING B3062

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761912.389 ft **EASTING** 755010.654 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 14 (6-8) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, medium stiff	
			SSHS-B3062-SUB-0.17-2			0.2
					SANDY SILT, brown to black, moist, medium stiff, with gravel	
2					SANDY SILT, dark brown, moist, medium stiff, some gravel, some wood chips	
			SSHS-B3062-SUB-2-4			5.2
4					SILT, dark brown, moist, stiff, some sand, some gravel	
			SSHS-B3062-SUB-4-6			4.9
6					SAND, dark brown to light brown, moist, stiff, with sand, and gravel	
			SSHS-B3062-SUB-6-8			2.2
8					SAND, brown, moist, medium dense, with silt, and gravel	
			SSHS-B3062-SUB-8-10			5.6
10						

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BORING B3062

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SAND, brown, moist, medium dense, with silt, and gravel, concrete	
			SSHS-B3062-SUB-10-12			2.7
12			REFUSAL AT 2', 4', 12'		Bottom of borehole at 12.0 feet.	

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BORING B3063

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761936.257 ft **EASTING** 754953.297 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 7 (10-12) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SANDY SILT, moist, reddish brown, poorly graded	
		SSHS-B3063-SUB-0.17-2		Loose, SANDY SILT, with gravel, moist, brown, well graded, subangular	2.5
2.5		SSHS-B3063-SUB-2-4			2.4
				SANDY CLAY, light brown, poorly graded, non plastic	
5.0		SSHS-B3063-SUB-4-6			4.6
				Loose, SANDY SILT, with gravel, moist, brown and gray, well graded, subangular	
		SSHS-B3063-SUB-6-8			1.1
7.5					
		SSHS-B3063-SUB-8-10			1.2

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BORING B3063

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SANDY SILT, with gravel, moist, brown and gray, well graded, subangular *(continued)*	
		SSHS-B3063-SUB-10-12			2.2
12.5		SSHS-B3063-SUB-12-14			3
		SSHS-B3063-SUB-14-16		Loose, SANDY SILT, with gravel, wet, brown and gray, well graded, subangular	0.3
15.0		PID READING FOR AMBIENT AIR: 0.2 PPM		Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3065

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761976.92 ft **EASTING** 754840.05 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96	SSHS-B3065-SUB-0.17-2 SSHS-B3065-SUB-0-0.17		SILTY SAND, brown, poorly graded, moist, loose, roots SILTY SAND, brown, poorly graded, moist, loose	0.3 2.2
2		58	SSHS-B3065-SUB-2-4		SILTY SAND, brown and gray, moist, with gravel SILTY SAND, brown, poorly graded, moist	2.6
4		71	SSHS-B3065-SUB-4-6		SILTY SAND, brown, well graded, moist, loose, with gravel	2.9
6		67	SSHS-B3065-SUB-6-8			1.9
8		75	SSHS-B3065-SUB-8-10			3
10						

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BORING B3065

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		71	SSHS-B3065-SUB-10-12			2.7
12					SANDY CLAY, light gray, well graded, moist, loose, with gravel	
		56	SSHS-B3065-SUB-12-16			2.1
14						
16			Initial push from 12-16 did not yield wet sample. Attempts to push from 12-14 and 14-16 to find water table unsuccesful. (REFUSAL AT 8'.)		Bottom of borehole at 16.0 feet.	

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BORING B3074

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761836.457 ft **EASTING** 755043.105 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 17 (4-6) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, reddish brown, poorly graded, moist	
		83	SSHS-B3072-SUB-0.17-2		SANDY GRAVEL, gray and brown, well graded, subangular, moist, very loose, with clay, fine sand	0.8
2		54	SSHS-B3072-SUB-2-4			1.4
4		100	SSHS-B3072-SUB-4-6		CLAY, light brown to dark brown, poorly graded, moist, medium stiff, trace sand	0.7
6		88	SSHS-B3072-SUB-6-8		SANDY CLAY, light gray and brown, well graded, moist, medium stiff, with gravel, fine sand, subangular gravel	2.1
8		54	SSHS-B3072-SUB-8-10			0.6
10						

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BORING B3074

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		54	SSHS-B3072-SUB-10-12		SANDY CLAY, light gray and brown, moist, medium dense, with gravel, fine sand, subangular gravel	1
12		25	(NO PID READING) SSHS-B3072-SUB-12-14		SANDY CLAY, light gray and brown, wet, medium dense, with gravel, fine sand, subangular gravel	
14					Bottom of borehole at 14.0 feet.	

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BORING B3075

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761860.057 ft **EASTING** 754988.109 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES MS/MSD 6 (6-8) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		0	(NO SAMPLE) SSHS-B3075-SUB-0.17-2		NO SAMPLE	
2		100	SSHS-B3075-SUB-2-4		SAND, dark brown, moist, medium dense, some silt, some gravel, concrete, silt increasing downwards	3.4
4		67	SSHS-B3075-SUB-4-6			4.2
6		67	SSHS-B3075-SUB-6-8		SAND, brown to black, moist, medium dense, with silt, and gravel, silt increasing downward	3.9
8		67	SSHS-B3075-SUB-8-10			4.8
10						

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BORING B3075

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B3075-SUB-10-12		GRAVELLY SAND, brown, fine to coarse grained, moist, medium dense, some silt, gravel increasing downward	2.7
12		71	SSHS-B3075-SUB-12-14			1.8
14			(NO PID READING) SSHS-B3075-SUB-14-16		GRAVELLY SAND, brown, fine to coarse grained, wet, medium dense, some silt, gravel increasing downward	
16					Bottom of borehole at 16.0 feet.	

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BORING B3076

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761882.614 ft **EASTING** 754930.846 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 13 (6-8) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SANDY SILT, moist, reddish brown, poorly graded	
		SSHS-B3076-SUB-0.17-2			2.8
				Loose, SANDY SILT, with gravel, moist, gray and brown, well graded, subangular gravel	
2.5		SSHS-B3076-SUB-2-4			2.1
5.0		SSHS-B3076-SUB-4-6		Loose, SANDY CLAY, trace gravel, moist, brown, subangular gravel	2.7
				Loose, SANDY SILT, with gravel, moist, gray and brown, well graded	
		SSHS-B3076-SUB-6-8			2.1
7.5		SSHS-B3076-SUB-8-10			3.1

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BORING B3076

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SANDY SILT, with gravel, moist, gray and brown, well graded *(continued)*	
		SSHS-B3076-SUB-10-12			1.8
12.5		SSHS-B3076-SUB-12-14			1.5
				Loose, SANDY GRAVEL, with clay, gray and brown, well graded, subrounded	
15.0		(NO PID READING) SSHS-B3076-SUB-14-16			
		PID READING OF AMBIENT AIR: 0.2 PPM		Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3095

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761749.186 ft **EASTING** 755098.306 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES MS/MSD 16 (0-2) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B3095-SUB-0.17-2		SILT, brown, moist, medium stiff, sand increasing downward, some black	0.3
2		100	SSHS-B3095-SUB-2-4		SILT, brown, moist to wet, stiff, some gravel, some sand, some black coal and brick at 4'	0.3
4		100	SSHS-B3095-SUB-4-6			0.6
6		79	SSHS-B3095-SUB-6-8		SILT, brown, moist, medium stiff, some sand, some gravel, large concrete fragment around 8'	0.6
8		58	SSHS-B3095-SUB-8-10		SAND, moist, loose, with gravel, some silt	0.2
10						

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BORING B3095

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		71	SSHS-B3095-SUB-10-12		SANDY SILT, moist, loose, with gravel, some rock fragments, concrete	0.7
12		100	SSHS-B3095-SUB-12-14		SILTY SAND, fine to coarse grained, moist, loose, some rock fragments	1.8
14		67	SSHS-B3095-SUB-14-16			0.7
16					SANDY GRAVEL, wet	
					Bottom of borehole at 16.0 feet.	

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BORING B3096

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761807.262 ft **EASTING** 754960.69 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B3096-SUB-0.17-2		Medium dense, SILT, moist, brown, concrete	2.6
2.5		SSHS-B3096-SUB-2-4		Loose, SAND, fine to medium grained, dry to moist, brown, silt content increasing downward	4.4
5.0		SSHS-B3096-SUB-4-6		SANDY CLAY, moist, light brown, medium plasticity	5.4
		SSHS-B3096-SUB-6-8		Medium dense, SILTY SAND, with gravel, moist	1.7
7.5		SSHS-B3096-SUB-8-10			2

0.0 2.5 5.0 7.5

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BORING B3096

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Medium dense, SILTY SAND, with gravel, moist *(continued)*	
		SSHS-B3096-SUB-10-12			1.7
				Medium dense, SILTY SAND, with gravel, fine to coarse grained, moist, gravel content increasing downward	
12.5		SSHS-B3096-SUB-12-14			3.2
		SSHS-B3096-SUB-14-16			1.8
15.0				GRAVEL, with sand, some silt, wet	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3097

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/27/19 **COMPLETED** 8/27/19
NORTHING 761830.192 ft **EASTING** 754909.811 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 11 (4-6) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3097-SUB-0.17-2		SANDY SILT, roots, moist, reddish brown, poorly graded	1.9
2.5		SSHS-B3097-SUB-2-4		Loose, SILTY SAND, with gravel, moist, gray and brown, subangular gravel	2.2
		SSHS-B3097-SUB-4-6			1.7
5.0				Loose, SILTY SAND, moist, gray	
		SSHS-B3097-SUB-6-8		Loose, SILTY SAND, with gravel, moist, gray and brown, subangular gravel	1.4
7.5		SSHS-B3097-SUB-8-10			1.1

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BORING B3097

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				SAND, with silt, trace gravel, brown and gray, subangular gravel	
		SSHS-B3097-SUB-10-12			0.6
				Loose, SILTY SAND, with gravel, moist, gray and brown, subangular gravel	
12.5		SSHS-B3097-SUB-12-14			
		SSHS-B3097-SUB-14-16		Loose, SANDY GRAVEL, with clay, wet, brown, subrounded gravel	1.7
15.0					
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3005

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 762051.131 ft **EASTING** 755316.748 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 44 (4-6) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B3005-Sub-0-0.17 SSHS-B3005-Sub-0.17-2		No sample	
2.5		SSHS-B3005-Sub-2-4		Stiff, SILT, with gravel, and construction debris, dry to moist, light brown to grayish black	0.6
5.0		SSHS-B3005-Sub-4-6		SAND, with gravel, gray and brown	1.2
7.5		SSHS-B3005-Sub-6-8			1
		SSHS-B3005-Sub-8-10		Stiff, SILT, dry, gray	1.4

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BORING B3005

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3005-Sub-10-12		Loose, SILT, some sand, moist, grayish brown	1.3
				Becomes construction debris	0.9
12.5				SANDY GRAVEL, wet ▽	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B3013

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761940.148 ft **EASTING** 755467.538 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES MS/MSD 19 (12-14) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3013-Sub-0-0.17 SSHS-B3013-Sub-0.17-2		Stiff, SILT, with construction debris, moist, brown	0.3
2.5		SSHS-B3013-Sub-2-4		Loose, SAND, with silt, and construction debris, dry, gray	1.4
5.0		SSHS-B3013-Sub-4-6		Becomes some gravel	1.4
7.5		SSHS-B3013-Sub-6-8		Loose to medium dense, SANDY GRAVEL, with silt, some construction debris, dry to moist, brown	1.6
		SSHS-B3013-Sub-8-10			1.7

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BORING B3013

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3013-Sub-10-12		Becomes with construction debris	0.6
					0.6
12.5		SSHS-B3013-Sub-12-14		Stiff, SILT, with sand, some gravel, moist, brown	
				▽ Medium dense, SAND, and gravel, wet	0.1
15.0					
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3015

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761969.06 ft **EASTING** 755357.568 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 37 (0.17-2) ft, Dup 38 (10-12) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B3015-Sub-0-0.17 SSHS-B3015-Sub-0.17-2		SANDY SILT, reddish brown, poorly graded, fine grained, moist, stiff	0.7
					SANDY GRAVEL, gray and brown, well graded, subangular, fine grained, moist, loose, with clay	
2		54	SSHS-B3015-Sub-2-4		SANDY CLAY, brown, well graded, subangular, fine grained, moist, stiff, with gravel	1
4		58	SSHS-B3015-Sub-4-6		SANDY GRAVEL, brown and light gray, well graded, fine grained, moist, very loose, with clay	0.9
6		100	SSHS-B3015-Sub-6-8			0.9
8		100	SSHS-B3015-Sub-8-10			1
10						

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BORING B3015

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3015-Sub-10-12			0.7
12		100	SSHS-B3015-Sub-12-14			0.9
14		100				1.4
16					Bottom of borehole at 16.0 feet.	

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BORING B3027

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761911.754 ft **EASTING** 755336.536 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 35 (6-8) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	SSHS-B3207-SUB-0.17-2		SANDY SILT, brown, poorly graded, moist, medium dense	1.4
					BRICK	
					SANDY GRAVEL, black, well graded, subangular, moist, loose, with clay, fine sand	
2		79	SSHS-B3207-SUB-2-4		SANDY GRAVEL, light gray and brown, well graded, subangular, moist, with clay, fine sand	1.1
4		100	SSHS-B3207-SUB-4-6			0.8
6		100	SSHS-B3207-SUB-6-8			1.9
8		71	SSHS-B3207-SUB-8-10			2.2
10						

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		71	SSHS-B3207-SUB-10-12		SILTY SAND, light brown, well graded, subangular, moist, loose, with gravel, fine sand	2.4
12		75	SSHS-B3207-SUB-12-14		SANDY GRAVEL, light brown, well graded, subangular, moist, very loose, with clay, fine sand	1.1
14		100	SSHS-B3207-SUB-14-16		SANDY GRAVEL, light brown, well graded, subangular, wet, very loose, with clay, fine sand	3.2
16					Bottom of borehole at 16.0 feet.	

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BORING B3029

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761958.147 ft **EASTING** 755217.836 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 26 (10-12) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, reddish brown, poorly graded, moist, medium stiff	
		71	SSHS-B3029-SUB-0.17-2		SANDY GRAVEL, brown and gray, moist, loose, with clay, and fine sand, note: fine sand is subangular, well graded	1.9
2		63	SSHS-B3029-SUB-2-4			2.2
4		100	SSHS-B3029-SUB-4-6			0.8
6		79	SSHS-B3029-SUB-6-8			2.8
8		100	SSHS-B3029-SUB-8-10		CLAYEY SAND, well graded, subangular, moist, loose, with gravel, and fine sand	2.6
10						

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BORING B3029

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B3029-SUB-10-12		SANDY GRAVEL, brown and gray, well graded, subangular, moist, loose, with clay, and fine sand	2.2
12		100	SSHS-B3029-SUB-12-14			2
14		17	SSHS-B3029-SUB-14-16		SANDY GRAVEL, brown and gray, well graded, subangular, wet, loose, with clay, and fine sand	3.7
16					Bottom of borehole at 16.0 feet.	

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BORING B3030

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761979.45 ft **EASTING** 755160.982 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 12 (12-14) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		50	SSHS-B3030-SUB-0.17-2		SILT, brown, moist, stiff, with sand, and gravel, contains concrete	0.3
2		50	SSHS-B3030-SUB-2-4		SANDY SILT, brown, moist, medium stiff, some gravel	0.9
4		71	SSHS-B3030-SUB-4-6		SANDY SILT, brown, moist, medium stiff, some gravel, contains concrete	0.8
6		67	SSHS-B3030-SUB-6-8		SANDY SILT, brown, moist, loose, with gravel, contains concrete	0.2
8		75	SSHS-B3030-SUB-8-10		SILTY SAND, moist, medium dense, with gravel	0.5
10						

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BORING B3030

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		88	SSHS-B3030-SUB-10-12		SANDY SILT, medium dense, with gravel, contains concrete	0.8
12		75	SSHS-B3030-SUB-12-14			0.7
14			SSHS-B3030-SUB-14-16		SANDY GRAVEL, wet, loose	
16					Bottom of borehole at 16.0 feet.	

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BORING B3042

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761860.451 ft **EASTING** 755302.602 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 33 (6-8) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very stiff, SANDY SILT, fine sand, moist, reddish brown, poorly graded	
		SSHS-B3042-SUB-0.17-2		Medium dense, CLAYEY SAND, with gravel, fine sand, moist, light brown, subangular	2.3
2.5		SSHS-B3042-SUB-2-4		SANDY GRAVEL, with clay, fine sand, moist, light brown and gray, well graded, subangular	3.4
5.0		SSHS-B3042-SUB-4-6			2.4
7.5		SSHS-B3042-SUB-6-8			3.2
		SSHS-B3042-SUB-8-10 REFUSAL AT 9', 9.5'			1.9

Bottom of borehole at 10.0 feet.

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BORING B3044

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761902.565 ft **EASTING** 755196.45 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 23 (4-6) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium stiff, SANDY SILT, moist, reddish brown, poorly graded	
		SSHS-B3044-SUB-0.17-2		Loose, SANDY GRAVEL, with clay, fine sand, moist, brown and gray, well graded, subangular	2.2
2.5		SSHS-B3044-SUB-2-4		Medium dense, CLAYEY SAND, with gravel, moist, brown, well graded, subangular	2.9
5.0		SSHS-B3044-SUB-4-6			2.2
		SSHS-B3044-SUB-6-8		Medium dense, SANDY GRAVEL, with clay, fine gravel, moist, brown and gray, well graded, subangular	1.8
7.5		SSHS-B3044-SUB-8-10		Medium dense, SANDY GRAVEL, with clay, fine gravel, wet, brown and gray, well graded, subangular, perched zone?	1.8

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BORING B3044

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Medium dense, SANDY GRAVEL, with clay, fine gravel, wet, brown and gray, well graded, subangular	
		SSHS-B3044-SUB-10-12			1.9
12.5		SSHS-B3044-SUB-12-14			3.6
		SSHS-B3044-SUB-14-16			14
15.0				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3045

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761928.19 ft **EASTING** 755155.075 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 21 (0.17-2) ft, 22 (12-14) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3045-SUB-0.17-2		Stiff, SILT, fine sand, some gravel, brown, black slag fragments	0.5
2.5		SSHS-B3045-SUB-2-4		Medium dense, SANDY SILT, moist, dark brown, concrete	1.1
5.0		SSHS-B3045-SUB-4-6		Medium dense, SAND, with silt, and gravel, fine to coarse grained, moist, brown	1
7.5		SSHS-B3045-SUB-6-8			0.9
		SSHS-B3045-SUB-8-10		Loose to medium dense, SAND, and gravel, fine to coarse grained, moist, brown	0.7

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BORING B3045

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Medium dense, SAND, with silt, some gravel, trace coal, brown	
		SSHS-B3045-SUB-10-12			1
				Medium dense, SAND, with silt, some gravel, trace coal, brown, trace concrete	
12.5		SSHS-B3045-SUB-12-14			0.4
15.0		(NO PID READING) SSHS-B3045-SUB-14-16		SANDY GRAVEL, wet	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3057

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761808.411 ft **EASTING** 755293.227 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 15 (6-8) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SANDY SILT, fine sand, moist, reddish brown, poorly graded	4
		SSHS-B3057-SUB-0-0.17 SSHS-B3057-SUB-0.17-2		Medium dense, SANDY GRAVEL, with clay, fine sand, moist, gray and dark brown, well graded, subangular	5.5
2.5		SSHS-B3057-SUB-2-4			4.2
5.0		SSHS-B3057-SUB-4-6		Stiff, CLAY, with fine sand, trace gravel, moist, brown, well graded	3.3
		SSHS-B3057-SUB-6-8		Medium dense, SANDY GRAVEL, with clay, fine sand, brown and gray, well graded, subangular	3.9
7.5		SSHS-B3057-SUB-8-10			3.8

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BORING B3057

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3057-SUB-10-12		Medium dense, SANDY GRAVEL, with clay, fine sand, brown and gray, well graded, subangular *(continued)*	3.6
12.5		SSHS-B3057-SUB-12-14		Medium dense, SAND, with clay, fine grained, moist, brown, poorly graded	2.1
15.0		SSHS-B3057-SUB-14-16		Medium dense, SANDY GRAVEL, with clay, fine sand, dark brown, well graded, subangular	2.3
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3071

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761775.416 ft **EASTING** 755210.014 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 30 (0.17-2) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B3071-SUB-0.17-2		SILT, brown, moist, medium dense, with sand, some gravel, concrete	0.5
2		75	SSHS-B3071-SUB-2-4		SANDY SILT, dark brown to black, moist, medium dense, with gravel	0.1
4		88	SSHS-B3071-SUB-4-6		CLAY, brown, moist, medium stiff, non plastic	0.6
6		67	SSHS-B3071-SUB-6-8		SILT, brown, moist, medium dense, with gravel, some sand	0.6
8		79	SSHS-B3071-SUB-8-10		SILT, brown, moist, medium dense, with gravel, some sand, increasing gravel	0.4
10						

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BORING B3071

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		67	SSHS-B3071-SUB-10-12		SANDY GRAVEL, brown, fine to coarse grained, moist, loose, with silt	0.6
12		100	(NO PID READING) SSHS-B3071-SUB-12-14		SAND, brown, moist, dense, with gravel, and silt	
14			(NO PID READING) SSHS-B3071-SUB-14-16		SANDY GRAVEL, wet, with silt	
16					Bottom of borehole at 16.0 feet.	

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BORING B3072

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761788.916 ft **EASTING** 755150.995 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 20 (10-12) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, reddish brown, poorly graded, medium stiff	
		100	SSHS-B3072-SUB-0.17-2		CLAYEY SAND, brown and black, well graded, subangular, fine grained, medium dense	0.9
2					SANDY GRAVEL, light brown and gray, well graded, subangular, moist, loose, with clay	
		75	SSHS-B3072-SUB-2-4			2.4
4					CLAY, brown, poorly graded, moist, medium stiff, medium plasticity, trace sand, and gravel	
		63	SSHS-B3072-SUB-4-6			1.7
6						
		79	SSHS-B3072-SUB-6-8			1.5
8					SANDY GRAVEL, brown and gray, well graded, subangular, moist, loose, with clay	
		50	SSHS-B3072-SUB-8-10			2.5
10						

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BORING B3072

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		50	SSHS-B3072-SUB-10-12			2.1
12		54	SSHS-B3072-SUB-12-14			1.1
14		100	(NO PID READING) SSHS-B3072-SUB-14-16		CLAYEY SAND, well graded, subrounded, fine grained, wet, medium dense, with gravel	
16					Bottom of borehole at 16.0 feet.	

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BORING B3058

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761825.051 ft **EASTING** 755233.933 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 34 (2-4) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3058-SUB-0.17-2		Medium stiff, SILT, sand, gravel, moist, brown	0.9
2.5		SSHS-B3058-SUB-2-4		Loose to medium dense, SILTY SAND, some gravel, some rock fragments, moist, black	0.8
5.0		SSHS-B3058-SUB-4-6		Soft to medium stiff, CLAY, some fine sand, moist, light brown	0.8
7.5		SSHS-B3058-SUB-6-8		Loose, SANDY GRAVEL, with silt, rock fragments, moist	1
		SSHS-B3058-SUB-8-10		Loose to medium dense, SANDY SILT, with gravel, moist	1.3

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BORING B3058

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose to medium dense, SANDY SILT, with gravel, moist *(continued)*	
		SSHS-B3058-SUB-10-12			1
12.5		SSHS-B3058-SUB-12-14		Loose to medium dense, SAND, with gravel, fine to coarse grained, moist, brown, concrete	0.9
15.0		(NO PID READING) SSHS-B3058-SUB-14-16		Medium stiff, SILT, with gravel, wet	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3059

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761849.135 ft **EASTING** 755176.252 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 13 (0.17-2) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3059-SUB-0.17-2		Medium stiff, SANDY SILT, moist, reddish brown, poorly graded	3.2
				Loose, SANDY GRAVEL, with clay, fine sand, moist, gray and brown, well graded, subangular	
2.5		SSHS-B3059-SUB-2-4		Stiff, SANDY CLAY, trace gravel, fine sand, moist, brown, poorly graded	1.5
5.0		SSHS-B3059-SUB-4-6			1.8
		SSHS-B3059-SUB-6-8			2.6
7.5				Very loose, SANDY GRAVEL, with clay, fine sand, moist, brown and gray, well graded, subangular	
		SSHS-B3059-SUB-8-10			2.5

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BORING B3059

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Very loose, SANDY GRAVEL, with clay, fine sand, moist, brown and gray, well graded, subangular *(continued)*	
		SSHS-B3059-SUB-10-12			2.3
12.5		SSHS-B3059-SUB-12-14			3
				Very loose, SANDY GRAVEL, with clay, fine sand, wet, brown and gray, well graded, subangular	
		SSHS-B3059-SUB-14-16			2.1
15.0				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3060

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761867.981 ft **EASTING** 755121.644 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 25 (14-16) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3060-SUB-0.17-2		Medium stiff, SILT, fine sand, some gravel, trace coal, moist, brown	0.3
2.5		SSHS-B3060-SUB-2-4		Loose to medium stiff, SANDY SILT, with gravel, coal, moist, brown to black, glass fragments	0.6
5.0		SSHS-B3060-SUB-4-6		Soft to medium stiff, SILTY CLAY, trace gravel, moist, brown, low plasticity	0.8
7.5		SSHS-B3060-SUB-8-10 SSHS-B3060-SUB-6-8		Medium dense to dense, SILTY SAND, gravel, and rock fragments, moist, brown, concrete	0.9 0.6

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BORING B3060

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Medium dense, SAND, with silt, and gravel, moist, brown to tan, trace concrete, trace clay at 14'	
		SSHS-B3060-SUB-10-12			0.5
12.5		SSHS-B3060-SUB-12-14			0.5
				Medium dense, SANDY SILT, trace coal, moist, dark brown, concrete	
15.0		SSHS-B3060-SUB-14-16			0.7
		SSHS-B3060-SUB-16-18			
17.5				Loose, SANDY GRAVEL, fine to coarse grained, wet	
				Bottom of borehole at 16.0 feet.	
20.0					

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BORING B3069

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761701.31 ft **EASTING** 755373.202 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 50 (6-8) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				NO SAMPLE	
2.5					
5.0					
		SSHS-B3069-SUB-6-8 NO SAMPLE (0'-6')		Medium dense, COBBLES, some gravel, some sand, some silt, fine to coarse grained, moist, rock fragments and concrete	1.2
7.5					
		SSHS-B3069-SUB-8-10		Medium dense, SAND, with gravel, and silt, fine to coarse grained, moist, brown	0.7

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BORING B3069

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		(NO PID READING) SSHS-B3069-SUB-10-12		Medium dense, SILTY SAND, with gravel, some rock fragments, moist, brown	
10.0				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B3070

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761749.323 ft **EASTING** 755271.805 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 31 (4-6) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium stiff, SANDY SILT, fine sand, reddish brown, poorly graded	
		SSHS-B3070-SUB-0-2		Loose, GRAVEL, with fine sand, and clay, moist, black and light brown, well graded, subangular	1.3
2.5		SSHS-B3070-SUB-2-4			1.9
				Medium stiff, CLAY, with fine sand, trace gravel, dark brown, medium plasticity	
				Medium stiff, CLAY, with fine sand, trace gravel, light brown, medium plasticity	
5.0		SSHS-B3070-SUB-4-6			1
		SSHS-B3070-SUB-6-8			1.5
7.5					
		SSHS-B3070-SUB-8-10		Medium dense, CLAYEY SAND, trace gravel, moist, light brown, well graded	2.1

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BORING B3070

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3070-SUB-10-12		Very loose, SANDY GRAVEL, with clay, fine sand, light brown and gray, well graded, subangular	2.6
12.5		SSHS-B3070-SUB-12-14			2.3
				Very loose, SANDY GRAVEL, with clay, fine sand, wet, light brown and gray, well graded, subangular	
15.0		SSHS-B3070-SUB-14-16			2.1
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3073

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/28/19 **COMPLETED** 8/28/19
NORTHING 761811.942 ft **EASTING** 755098.779 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 27 (0-2) ft, 28 (6-8) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3073-SUB-0.17-2		Medium stiff, SILT, with sand, and gravel, some coal, moist, brown	0.2
2.5		SSHS-B3073-SUB-2-4		Medium stiff, SILT, with sand, and gravel, some coal, moist, black, glass fragments, some concrete	0.4
5.0		SSHS-B3073-SUB-4-6		Medium stiff, SILT, with sand, and gravel, moist, dark brown to black	0.9
7.5		SSHS-B3073-SUB-6-8		Medium stiff, SILTY CLAY, with sand, and gravel, moist, brown, low plasticity	0.7
		SSHS-B3073-SUB-8-10		Medium dense, SILTY SAND, with gravel, moist, brown	0.6

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BORING B3073

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Medium dense, SILTY SAND, with gravel, moist, brown *(continued)*	
		SSHS-B3073-SUB-10-12			1.8
				Medium dense, SILTY SAND, with gravel, moist, dark brown to brown	
12.5		SSHS-B3073-SUB-12-14			1.2
				Medium dense, SILTY SAND, with gravel, saturated, dark brown to brown	
15.0		(NO PID READING) SSHS-B3073-SUB-14-16			
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3004

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 762002.362 ft **EASTING** 755430.551 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 41 (8-10) ft, MS/MSD 17 (6-8) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	SSHS-B3004-Sub-0-0.17 SSHS-B3004-Sub-0.17-2		SANDY SILT, light brown, poorly graded, moist, stiff, medium plasticity, with fine sand	1.9
					SAND, black, well graded, subangular, fine grained, moist, medium dense, with gravel, and clay	
2		71	SSHS-B3004-Sub-2-4		SANDY GRAVEL, light brown, well graded, subangular, fine grained, moist, very loose, with clay	1.2
4		100	SSHS-B3004-Sub-4-6			2.2
6		92	SSHS-B3004-Sub-6-8			1.3
8		92	SSHS-B3004-Sub-8-10		Some pulverized concrete	2.1
10						

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BORING B3004

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B3004-Sub-10-12		GRAVEL, light gray	1.7
12		83			Wet	1.3
14					Bottom of borehole at 14.0 feet.	

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BORING B3014

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761950.311 ft **EASTING** 755405.465 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3014-Sub-0-0.17		Stiff, SANDY SILT, moist, reddish brown, poorly graded, medium plasticity	
		SSHS-B3014-Sub-0.17-2			2.2
				Medium dense, SANDY GRAVEL, with clay, fine grained, moist, brown to light brown, well graded, subangular	
					2
2.5		SSHS-B3014-Sub-2-4			
				Loose, SILTY SAND, with gravel, fine grained, moist, light brown and gray, well graded	1.3
5.0		SSHS-B3014-Sub-4-6			
					2.4
		SSHS-B3014-Sub-6-8			
7.5					
					2.8
		SSHS-B3014-Sub-8-10			

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BORING B3014

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SILTY SAND, with gravel, fine grained, moist, light brown and gray, well graded *(continued)*	2.6
		SSHS-B3014-Sub-10-12			1.7
12.5				▽ Medium dense, SAND, trace clay, coarse grained, wet, poorly graded, subangular	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B3016

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761995.188 ft **EASTING** 755294.639 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 43 (4-6) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		58	SSHS-B3016-Sub-0-0.17 SSHS-B3016-Sub-0.17-2		SILT, brown, moist, medium stiff, with rock fragments	0.7
					SANDY SILT	
2		71	SSHS-B3016-Sub-2-4		SILT, brown, moist, medium stiff, little sand, and gravel	0.8
4		100	SSHS-B3016-Sub-4-6		With sand, and gravel, few construction debris	1.6
6		100	SSHS-B3016-Sub-6-8		SILT, brown, dry to moist, medium stiff, with sand, some gravel, few construction debris	1.7
8		100	SSHS-B3016-Sub-8-10		With construction debris	1.3
10						

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BORING B3016

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B3016-Sub-10-12		SILTY SAND, brown, moist, medium dense to dense, with gravel	1.3
12		58	SSHS-B3016-Sub-12-14		SANDY GRAVEL, brown, moist, loose to medium dense	0.9
14		88			GRAVEL, fine to coarse grained, wet, medium dense, with sand	0.4
16					Bottom of borehole at 16.0 feet.	

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BORING B3026

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761873.8 ft **EASTING** 755439.209 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES MS/MSD 20 (4-6) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3026-SUB-0.17-2		Stiff, SILT, moist, brown, sand content increasing downward; contains concrete fragments	0.6
2.5		SSHS-B3026-SUB-2-4		Medium stiff, SILT, with sand, gravel, moist, brown, contains concrete fragments	0.8
5.0		SSHS-B3026-SUB-4-6		Medium dense, SAND, with gravel, some silt, fine to coarse grained, moist, brown, contains concrete fragments	0.8
		SSHS-B3026-SUB-6-8		Medium dense, SAND, with gravel, and silt, fine to coarse grained, moist, brown, silt content increasing downward; contains concrete fragments	1
7.5		SSHS-B3026-SUB-8-10		Medium dense, SAND, some gravel, moist, brown, gravel and concrete fragments content increasing downward	0.9

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BORING B3026

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Medium dense, SAND, some gravel, moist, brown, gravel and concrete fragments content increasing downward *(continued)*	
		SSHS-B3026-SUB-10-12			
12.5		SSHS-B3026-SUB-12-14			
15.0		SSHS-B3026-SUB-14-16		Medium dense, SANDY GRAVEL, fine to coarse grained, wet	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3028

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761935.866 ft **EASTING** 755274.046 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 40 (0.17-2) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3028-SUB-0.17-2		Medium stiff, SILT, gravel, moist, brown	0.8
2.5		SSHS-B3028-SUB-2-4		Medium stiff, SANDY SILT, gravel, moist, brown, gravel content increasing downward	0.8
5.0		SSHS-B3028-SUB-4-6			1.6
7.5		SSHS-B3028-SUB-6-8		Medium dense, SILTY SAND, gravel, moist, brown to tan, contains some concrete	1.3
		SSHS-B3028-SUB-8-10		Medium dense, SAND, gravel, some silt, moist, brown	1.1

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3028-SUB-10-12		Loose, SAND, with gravel, and silt, brown	0.5
12.5		SSHS-B3028-SUB-12-14		Medium dense, SILTY SAND, with gravel, some rock fragments, moist	0.9
15.0		SSHS-B3028-SUB-14-16		Medium dense, SAND, fine to coarse grained, wet, brown, wet sandy gravel at 14.5 ft	0.2
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3040

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761817.603 ft **EASTING** 755419.969 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3040-SUB-0.17-2		Medium stiff, SILT, some fine sand, moist, brown	1.2
2.5		SSHS-B3040-SUB-2-4		Medium stiff, SAND, some sand, and gravel, moist, brown, concrete fragments	0.7
5.0		SSHS-B3040-SUB-4-6		Medium dense, SAND, with silt, and gravel, moist, brown, some concrete fragments	0.7
7.5		SSHS-B3040-SUB-6-8		Medium dense, SANDY SILT, with gravel, and rock fragments, moist, concrete fragments	0.7
		SSHS-B3040-SUB-8-10			0.5

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BORING B3040

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Medium dense, SANDY SILT, with gravel, and rock fragments, moist, concrete fragments *(continued)*	
		SSHS-B3040-SUB-10-12			0.7
12.5				Medium dense, SILTY SAND, with gravel, and rock fragments, moist	
		SSHS-B3040-SUB-12-14			0.9
				Medium dense, SAND, fine to coarse grained	
15.0		(NO PID READING) SSHS-B3040-SUB-14-16		Medium dense, SAND, with gravel, fine to coarse grained	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3041

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761837.512 ft **EASTING** 755361.484 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 18 (2-4) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SANDY SILT, fine sand, moist, reddish brown, poorly graded	
		SSHS-B3041-SUB-0.17-2			2.4
				SILTY SAND, trace gravel, moist, light brown and gray, well graded	
2.5		SSHS-B3041-SUB-2-4			2.5
				Medium dense, SANDY GRAVEL, fine sand, moist, light brown and gray, well graded, subangular	
5.0		SSHS-B3041-SUB-4-6			2.5
		SSHS-B3041-SUB-6-8			0.6
7.5		SSHS-B3041-SUB-8-10			1.8

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BORING B3041

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				SILTY SAND, with gravel, and fine sand, moist, light brown and gray, well graded, subangular	
		SSHS-B3041-SUB-10-12			4.2
12.5		SSHS-B3041-SUB-12-14			1.8
		SSHS-B3041-SUB-14-16		Very loose, SANDY GRAVEL, with clay, and fine sand, moist, light brown, well graded, subangular	5.1
15.0				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3054

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761739.257 ft **EASTING** 755454.514 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup (4-6) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0			SSHS-B3054-SUB-0.17-2		SANDY SILT, reddish brown, well graded, moist, stiff, fine sand	5.2
		58			SANDY GRAVEL, light gray and brown, well graded, subangular, medium dense, with silt, fine sand	
2			SSHS-B3054-SUB-2-4		CLAY, brown, well graded, moist, very stiff, with sand, trace gravel, fine sand	4
		63				
4			SSHS-B3054-SUB-4-6		SANDY GRAVEL, light gray and brown, well graded, subangular, moist, medium dense, with clay	3.6
		75				
6			SSHS-B3054-SUB-6-8			7.4
		71				
8			SSHS-B3054-SUB-8-10			6.1
		58				
10						

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BORING B3054

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		67	SSHS-B3054-SUB-10-12			3.1
12		100	SSHS-B3054-SUB-12-14			5.2
14		100	(NO PID READING) SSHS-B3054-SUB-14-16		SILTY SAND, brown, poorly graded, subrounded, fine grained, wet, very stiff	
16					Bottom of borehole at 16.0 feet.	

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BORING B3056

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761784.323 ft **EASTING** 755347.55 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 46 (0.17-2) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Stiff, SANDY SILT, moist, reddish brown, poorly graded, medium plasticity	
		SSHS-B3056-SUB-0.17-2		Loose, SILTY SAND, with gravel, fine grained, moist, dark brown and gray, well graded, subangular	2.5
2.5		SSHS-B3056-SUB-2-4		Medium dense, SANDY GRAVEL, with clay, fine sand, moist, light brown and gray, subangular	2.9
		SSHS-B3056-SUB-4-6		CLAY, trace fine sand, moist, light brown, poorly graded, high plasticity	2.9
5.0		SSHS-B3056-SUB-6-8		Loose, SANDY GRAVEL, with clay, fine sand, moist, light brown and gray, well graded	2.3
7.5		SSHS-B3056-SUB-8-10			2.9

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BORING B3056

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SANDY GRAVEL, with clay, fine sand, moist, light brown and gray, well graded *(continued)*	
		SSHS-B3056-SUB-10-12			5.8
12.5		SSHS-B3056-SUB-12-14			4.2
				Loose, SANDY GRAVEL, with clay, fine sand, wet, light brown and gray, well graded	
		SSHS-B3056-SUB-14-16			3.9
15.0				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3079

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761656.3 ft **EASTING** 755414.901 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		63	SSHS-B3079-SUB-0.17-2		SANDY SILT, reddish brown, poorly graded, moist, stiff SANDY GRAVEL, brown and gray, well graded, subangular, loose, with clay, fine sand	9.2
2		54	SSHS-B3079-SUB-2-4			5.2
4		88	SSHS-B3079-SUB-4-6			3.9
6		100	SSHS-B3079-SUB-6-8		SILTY SAND, brown, poorly graded, subrounded, fine grained, moist, medium dense	1.5
8		71	SSHS-B3079-SUB-8-10		SANDY GRAVEL, light brown and gray, well graded, subangular, moist, very loose, with clay, fine sand	4.8
10						

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BORING B3079

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3079-SUB-10-12			3.3
12		88	SSHS-B3079-SUB-12-14			6
14			SSHS-B3079-SUB-14-16		SANDY GRAVEL, dark brown and black, well graded, subangular, wet, very loose, with clay, fine sand	5.5
16					Bottom of borehole at 16.0 feet.	

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BORING B3083

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761626.021 ft **EASTING** 755411.778 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 51

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, dark brown, poorly graded, moist, stiff	
		88	SSHS-B3083-SUB-0.17-2		SANDY GRAVEL, light brown and gray, well graded, subangular, moist, loose, with clay, fine sand	4.6
2		79	SSHS-B3083-SUB-2-4			8.2
4					SILTY SAND, brown, poorly graded, subangular, fine grained, moist, loose	
		100	SSHS-B3083-SUB-4-6		SANDY GRAVEL, light gray and light brown, well graded, subangular, moist, loose, with clay, fine sand	5.1
6		75	SSHS-B3083-SUB-6-8			5.7
8		75	(NO PID READING) SSHS-B3083-SUB-8-10			
10						

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BORING B3083

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		88	SSHS-B3083-SUB-10-12		SANDY GRAVEL, light gray and light brown, well graded, subangular, moist, very loose, with clay, fine sand	8.2
12		100	SSHS-B3083-SUB-12-14			4.9
14		100	SSHS-B3083-SUB-14-16		SANDY GRAVEL, light gray and light brown, well graded, subangular, wet, very loose, with clay, fine sand	2.1
16					Bottom of borehole at 16.0 feet.	

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BORING B3181

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761572.363 ft **EASTING** 755390.72 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 21 (6-10) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, reddish brown, poorly graded, moist	
		88	SSHS-B3181-SUB-0-2		SANDY GRAVEL, dark brown, well graded, subangular, moist, medium dense, with clay	5.3
2		71	SSHS-B3181-SUB-2-4			5.8
4					SANDY GRAVEL, dark brown, well graded, subangular, moist, loose, with clay	
		83	SSHS-B3181-SUB-4-6			5.1
6					SILTY SAND, light gray and light brown, well graded, subangular, fine grained, moist, very loose, with gravel	
		83	SSHS-B3181-SUB-6-8			4.2
8						
		100	SSHS-B3181-SUB-8-10		SANDY CLAY, brown, poorly graded, subangular, very stiff, fine sand	4.8
10						

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BORING B3181

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3181-SUB-10-12		SANDY GRAVEL, light gray and brown, well graded, subangular, moist, loose, with clay, fine sand	6.3
12		100	SSHS-B3181-SUB-12-14			7
14		100	SSHS-B3181-SUB-14-16		SANDY GRAVEL, light gray and brown, well graded, subangular, moist, very loose, with clay, fine sand	6.2
16		100	SSHS-B3181-SUB-16-18		SANDY GRAVEL, light gray and brown, well graded, subangular, wet, very loose, with clay, fine sand	3.8
18					Bottom of borehole at 18.0 feet.	

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BORING B3182

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761594.302 ft **EASTING** 755333.941 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 53 (0-2) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	SSHS-B3182-SUB-0.17-2		SILT, brown to black, moist, medium dense, some sand, some gravel	0.3
2		58	SSHS-B3182-SUB-2-4		SAND, dark brown to brown, moist, medium dense, with gravel	0.7
4		75	SSHS-B3182-SUB-4-6		SAND, brown, moist, medium dense, with gravel, some rock fragments	0.8
6		83	SSHS-B3182-SUB-6-8		SAND, brown, moist, medium dense, with gravel, and silt, some rock fragments, concrete	0.8
8		92	SSHS-B3182-SUB-8-10		SAND, dark brown to brown, moist, medium dense, with silt, and gravel, with rock fragments	1.5
10						

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BORING B3182

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3182-SUB-10-12		SAND, light brown to brown, moist, medium dense, with silt, and gravel, with rock fragments, concrete from 12.5' to 14'	1.4
12		100	SSHS-B3182-SUB-12-14			4.1
14		100	SSHS-B3182-SUB-14-16		SAND, gray to brown, fine to coarse grained, moist, loose, with gravel	0.5
16		100	(NO PID READING) SSHS-B3182-SUB-16-18		SANDY GRAVEL, medium dense, some silt	
18					Bottom of borehole at 18.0 feet.	

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BORING B3055

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761759.226 ft **EASTING** 755412.46 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 48 (0.17-2) ft, 49 (8-10) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3055-SUB-0.17-2		Stiff, SILT, gravel, moist, brown	1.7
2.5		SSHS-B3055-SUB-2-4		Medium stiff, SANDY SILT, some gravel, trace coal, moist, brown	1.4
5.0		SSHS-B3055-SUB-4-6		Soft, SILTY CLAY, gravel, sand, moist, brown to light brown, medium plasticity, red brick fragments	1.5
				Medium stiff to stiff, SILTY CLAY, gravel, sand, moist, brown to light brown, medium plasticity, red brick fragments	
7.5		SSHS-B3055-SUB-6-8		COBBLES, concrete	1.2
		SSHS-B3055-SUB-8-10		COBBLES, silt, and sand, concrete, red brick fragments	1.3

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BORING B3055

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				SANDY SILT, with cobbles, concrete	
		SSHS-B3055-SUB-10-12			1.7
				COBBLES, concrete	
12.5		SSHS-B3055-SUB-12-14		SILT, gravel, sand, dry to moist, brown	0.7
				SILT, gravel, sand, some rock fragments, dry to moist, brown	
		SSHS-B3055-SUB-14-16			
15.0				Medium dense, SAND, and gravel, wet	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3084

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 761648.403 ft **EASTING** 755356.918 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 52 (6-8) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SILT, some sand, moist, brown	
		SSHS-B3084-SUB-0.17-2			0.7
				Stiff, SILT, some sand, moist, black	
				Medium stiff, SAND, with gravel, and sand, moist, brown, concrete	
2.5		SSHS-B3084-SUB-2-4			1.9
		SSHS-B3084-SUB-4-6			3.3
5.0				Stiff, CLAY, some fine sand, moist to wet, light brown	
		SSHS-B3084-SUB-6-8			4.2
7.5				Medium dense, SAND, construction debris, fine to coarse grained, moist, brown, concrete and brick	
				Loose, SILT, and sand, and construction debris, dry to moist, concrete and brick	
		SSHS-B3084-SUB-8-10			1.7

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BORING B3084

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Loose, SILT, and sand, and construction debris, dry to moist, concrete and brick *(continued)*	
		SSHS-B3084-SUB-10-12			1.5
				Loose, SILT, and sand, trace construction debris, dry to moist, concrete and brick	
12.5		SSHS-B3084-SUB-12-14			0.7
				Medium dense, SAND, and gravel, moist, brown	
				Medium dense, SILTY SAND, and gravel, wet, brown to dark brown	
15.0		SSHS-B3084-SUB-14-16			1.3
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3223

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/29/19 **COMPLETED** 8/29/19
NORTHING 762206.2331 ft **EASTING** 754537.0779 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 47 (8'-10')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3223-SUB-0.17-2		Dense, SANDY SILT, fine sand, moist, reddish brown, poorly graded	4.5
				Stiff, SANDY CLAY, gravel, fine sand, moist, well graded, non plastic	
2.5		SSHS-B3223-SUB-2-4		Dense, SILTY SAND, trace gravel, fine sand, moist, black and light brown, well graded, subangular	5.4
		SSHS-B3223-SUB-4-6		SANDY GRAVEL, with clay, fine sand, moist, light brown, well graded, subangular	7.8
5.0		SSHS-B3223-SUB-6-8			5.3
7.5		SSHS-B3223-SUB-8-10		Loose, SILTY SAND, with gravel, fine sand, moist, light brown and gray, well graded, subangular	3.2

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BORING B3223

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SANDY GRAVEL, with clay, fine sand, moist, light brown and gray, well graded, subangular	
		SSHS-B3223-SUB-10-12			4.6
12.5		SSHS-B3223-SUB-12-14			3.7
15.0		SSHS-B3223-SUB-14-16		Loose, SANDY GRAVEL, with clay, fine sand, wet, light brown and gray, well graded, subangular	2.2
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3003

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/19 **COMPLETED** 8/30/19
NORTHING 761965.25 ft **EASTING** 755539.5 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES Dup 58 (2-4) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3003-Sub-0-0.17		Stiff, CLAYEY SILT, with organics, moist, brown, low plasticity	
		SSHS-B3003-Sub-0.17-2		SILTY SAND, with gravel, brown	3.9
				Loose, SILTY SAND, with gravel, coarse grained, moist, brown	9.5
2.5		SSHS-B3003-Sub-2-4			
				Becomes dry, light gray to brown	6.1
5.0		SSHS-B3003-Sub-4-6			
				Becomes brown to dark brown	0
		SSHS-B3003-Sub-6-8			
7.5				Becomes brown to gray	5.5
		SSHS-B3003-Sub-8-10			

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BORING B3003

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B3003-Sub-10-12		Becomes moist to dry	8.2
					7.5
12.5		SSHS-B3003-Sub-12-14			
					0
15.0				Loose, SANDY GRAVEL, with coarse sand, wet, rounded	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3011

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/19 **COMPLETED** 8/30/19
NORTHING 761885.062 ft **EASTING** 755571.987 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES MS/MSD 26 (6-8) ft, Dup 60 (4-6) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B3011-Sub-0-0.17		Stiff, CLAYEY SILT, moist, brown	7.1
		SSHS-B3011-Sub-0.17-2		Becomes dense, with gravel, some coal, coarse grained, moist, some black mottling	
2.5		SSHS-B3011-Sub-2-4			2.6
5.0		SSHS-B3011-Sub-4-6			7.4
		SSHS-B3011-Sub-6-8		Loose, SAND, with silt, fine grained, moist, brown	6.7
7.5				CLAYEY SAND	6
		SSHS-B3011-Sub-8-10		GRAVEL, with construction debris, dry	

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BORING B3011

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3011-Sub-10-12		Loose, SAND, with silt, and gravel, medium grained, dry, brown, angular	6.1
					5.1
12.5		SSHS-B3011-Sub-12-14		Dense, SAND, with silt, fine grained, brown	
				GRAVEL, with construction debris	
				Loose, SILTY SAND, with gravel, medium grained, moist to wet, rounded	5.6
15.0				▽	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3012

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/19 **COMPLETED** 8/30/19
NORTHING 761909.354 ft **EASTING** 755516.187 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES Dup 57 (0.17-2) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3012-Sub-0-0.17		SILT, with clay, and organics, brown	9
		SSHS-B3012-Sub-0.17-2		Loose, SILTY SAND, with gravel, some clay, coarse grained, moist, brown, angular	
				Becomes some gravel	7.2
2.5		SSHS-B3012-Sub-2-4			
				Becomes with gravel	8.7
5.0		SSHS-B3012-Sub-4-6			
					9.2
		SSHS-B3012-Sub-6-8			
7.5				SILTY SAND, with gravel, some construction debris, brown	3.8
		SSHS-B3012-Sub-8-10			

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BORING B3012

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3012-Sub-10-12		Dense, SILTY SAND, fine grained, moist, brown	6.1
				Loose, SILTY SAND, coarse grained, moist, brown, angular	7.3
12.5		SSHS-B3012-Sub-12-14			
				Becomes moist to wet ▽	9.1
15.0				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3025

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/19 **COMPLETED** 8/30/19
NORTHING 761850.951 ft **EASTING** 755499.724 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES Dup 58 (2-4) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium stiff, CLAYEY SILT, moist, brown, topsoil at surface	
		SSHS-B3025-SUB-0.17-2		SILTY SAND, with gravel, trace clay, coarse grained, brown	3.7
2.5		SSHS-B3025-SUB-2-4		Medium stiff, SILTY CLAY, with coarse sand, gravel, moist, brown, low plasticity	5.5
		SSHS-B3025-SUB-4-6		Loose, SILTY SAND, with gravel with rock fragments, coarse grained, moist, brown	3.5
5.0		SSHS-B3025-SUB-6-8			6.1
7.5		SSHS-B3025-SUB-8-10			5

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BORING B3025

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SILTY SAND, with gravel with rock fragments, coarse grained, moist, brown *(continued)*	
				SILTY SAND, fine grained, brown	
		SSHS-B3025-SUB-10-12		Loose, SILTY SAND, with gravel with rock fragments, coarse grained, moist, brown	6
12.5		SSHS-B3025-SUB-12-14			4
		SSHS-B3025-SUB-14-16		Loose, SILTY SAND, with gravel with rock fragments, some clay, coarse grained, moist, brown	6.5
15.0		SSHS-B3025-SUB-16-18		Loose, SILTY SAND, with gravel, medium to coarse grained, wet, brown, contains possible shell debris, gravel is rounded	3.5
17.5					
20.0				Bottom of borehole at 18.0 feet.	

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BORING B3039

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/19 **COMPLETED** 8/30/19
NORTHING 761793.862 ft **EASTING** 755476.294 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES MS/MSD (8-10) FT, DUP (4-6) FT

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Loose, CLAYEY SILT, moist, brown, low plasticity, organic topsoil	
		SSHS-B3039-SUB-0.17-2		SILTY SAND, with gravel, and clay, coarse grained, moist, black coal-like material	2.9
2.5		SSHS-B3039-SUB-2-4		Medium stiff, SILTY CLAY, with fine to coarse gravel, moist, low plasticity	1.6
		SSHS-B3039-SUB-4-6		Loose, SILTY SAND, with fine to coarse gravel, trace clay, coarse grained, moist, brown, well graded	4.6
5.0		SSHS-B3039-SUB-6-8		Loose, SILTY SAND, some fine to coarse gravel, medium grained, moist, brown, well graded	4.9
7.5		SSHS-B3039-SUB-8-10		Medium stiff, SILTY CLAY, with gravel, some sand, moist, brown	5.1

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BORING B3039

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SILTY SAND, with gravel, trace clay, coarse grained, brown, angular	
		SSHS-B3039-SUB-10-12			5.3
12.5		SSHS-B3039-SUB-12-14			5.1
15.0		SSHS-B3039-SUB-14-16		COBBLES, construction debris	4.9
				SILTY SAND, with gravel, wet, dark brown, rounded	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3094

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/19 **COMPLETED** 8/30/19
NORTHING 762200.6866 ft **EASTING** 754538.3974 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 56 (6'-8')

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		63	SSHS-B3094-SUB-0.17-2		SILT, brown, moist, medium dense, some sand, some gravel, rock fragments, becoming black sandy silt towards bottom	3.4
2		83	SSHS-B3094-SUB-2-4		SANDY SILT, black to brown, moist, dense, some coal, some gravel	4.1
4		58	SSHS-B3094-SUB-4-6		SANDY SILT, brown, moist, medium dense, some gravel	4.6
6		75	SSHS-B3094-SUB-6-8		SILTY SAND, brown, dense, with gravel, fine to coarse sand, gravel	3.8
					SANDY GRAVEL, wet, with silt, concrete at 7'	
8		92	SSHS-B3094-SUB-8-10		SILTY SAND, brown with reddish orange, moist, medium dense, with gravel, wet at bottom	4.2
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:35 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3094

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3094-SUB-10-12		SILTY SAND, brown with reddish orange, moist, medium dense, with gravel, wet at bottom, concrete and brick	4.6
12		100	SSHS-B3094-SUB-12-14		SILT, brown, moist, dense, sand, gravel	5
14		100	SSHS-B3094-SUB-14-16		SAND, brown to light brown, moist, medium dense, with gravel, rock fragments, some silt	4.7
16		79	SSHS-B3094-SUB-16-18			4.9
18		83	SSHS-B3094-SUB-18-20		SANDY GRAVEL, fine to coarse grained, saturated, dense	3.6
20					Bottom of borehole at 20.0 feet.	

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BORING B3068

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/19 **COMPLETED** 8/30/19
NORTHING 761662.051 ft **EASTING** 755486.832 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 62 (2-4) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3068-SUB-0.17-2		Medium dense, SANDY SILT, brownish red, poorly graded	6
				SANDY GRAVEL, with clay, fine sand, moist, light brown, well graded, subangular	
2.5		SSHS-B3068-SUB-2-4			4.4
				Loose, SILTY SAND, with gravel, fine grained, light brown and gray, well graded, subangular	
5.0		SSHS-B3068-SUB-4-6			3.2
				Loose, SANDY GRAVEL, with clay, fine sand, light brown and gray, well graded, subangular	
7.5		SSHS-B3068-SUB-6-8			3.2
				Loose, SILTY SAND, fine grained, light brown, poorly graded	
		SSHS-B3068-SUB-8-10			6

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BORING B3068

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3068-SUB-10-12		Loose, SILTY SAND, trace gravel, fine grained, moist, light brown to brown, well graded	2.8
12.5		SSHS-B3068-SUB-12-14		Loose, SANDY GRAVEL, with clay, fine sand, moist, light brown and gray, well graded, subangular	3.4
15.0		SSHS-B3068-SUB-14-16		Loose, SANDY GRAVEL, with clay, fine sand, wet, light brown and gray, well graded, subangular	5.6
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3082

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/19 **COMPLETED** 8/30/19
NORTHING 761606.844 ft **EASTING** 755470.275 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 59 (4-6) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SANDY SILT, moist, reddish brown, poorly graded	
		SSHS-B3082-SUB-0.17-2		Loose, SANDY GRAVEL, with clay, fine sand, moist, light brown to dark gray, well graded, subangular	3.1
2.5		SSHS-B3082-SUB-2-4		Loose, SAND, and gravel, with clay, fine grained, moist, light gray and brown, well graded, subangular	4.6
5.0		SSHS-B3082-SUB-4-6		Medium dense, SANDY GRAVEL, with clay, fine sand, light gray and brown, well graded, subangular	6.7
7.5		SSHS-B3082-SUB-6-8		Loose, SILTY SAND, trace gravel, fine grained, moist, dark brown, well graded, subangular	4.3
		SSHS-B3082-SUB-8-10		Medium dense, SANDY GRAVEL, with clay, fine sand, moist, light gray and brown, well graded, subangular	3.8

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BORING B3082

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Medium dense, SANDY GRAVEL, with clay, fine sand, moist, light gray and brown, well graded, subangular *(continued)*	
		SSHS-B3082-SUB-10-12			4.6
12.5		SSHS-B3082-SUB-12-14			5.4
		SSHS-B3082-SUB-14-16			7.5
15.0				Medium dense, SAND, with silt, fine grained, wet, brown, poorly graded, subrounded	
		SSHS-B3082-SUB-16-18			3.3
17.5				Bottom of borehole at 18.0 feet.	
20.0					

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BORING B3087

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/19 **COMPLETED** 8/30/19
NORTHING 761549.286 ft **EASTING** 755449.18 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES MS/MSD 25 (4-6) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3087-SUB-0.17-2		Medium stiff, SILT, fine gravel, sand, moist, brown	5.6
2.5		SSHS-B3087-SUB-2-4		Very loose, SANDY GRAVEL, with clay, fine sand, moist, dark brown to light brown, well graded, subangular	4
5.0		SSHS-B3087-SUB-4-6		Medium dense, SILTY SAND, with gravel, fine grained, moist, light brown to gray, well graded, subangular	5.8
7.5		SSHS-B3087-SUB-6-8		Very loose, SANDY GRAVEL, with clay, fine sand, moist, light brown and light gray, well graded, subangular	6.3
		SSHS-B3087-SUB-8-10			4.6

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BORING B3087

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Very loose, SANDY GRAVEL, with clay, fine sand, moist, light brown and light gray, well graded, subangular *(continued)*	
		SSHS-B3087-SUB-10-12			3.2
				Loose, SAND, with gravel, and clay, fine grained, moist, light gray and black, well graded, subangular	
12.5		SSHS-B3087-SUB-12-14			2.3
				Very loose, SANDY GRAVEL, with clay, fine sand, moist, light brown and gray, well graded, subangular	
15.0		SSHS-B3087-SUB-14-16			4.4
		SSHS-B3087-SUB-16-18			6
17.5				Loose, SILTY SAND, some gravel, fine sand, wet, brown and light brown, poorly graded, subrounded	
		SSHS-B3087-SUB-18-20			3.2
20.0				Bottom of borehole at 20.0 feet.	

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BORING B3214

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/19 **COMPLETED** 8/30/19
NORTHING 761826.685 ft **EASTING** 755554.805 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Medium dense, SANDY SILT, fine sand, moist, reddish brown, poorly graded	
		SSHS-B3214-SUB-0.17-2		Stiff, CLAY, trace gravel, fine sand, black and brown, well graded gravel	4.8
2.5		SSHS-B3214-SUB-2-4		Loose, SANDY GRAVEL, with clay, fine sand, moist, light brown and gray, well graded, subangular	2.3
		SSHS-B3214-SUB-4-6			4.5
5.0		SSHS-B3214-SUB-6-8			5.4
7.5		SSHS-B3214-SUB-8-10			

0.0
2.5
5.0
7.5

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BORING B3214

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Very loose, SANDY GRAVEL, with clay, fine sand, moist, light brown and gray, well graded, subangular	
		SSHS-B3214-SUB-10-12			4
12.5		SSHS-B3214-SUB-12-14			5
				Medium dense, SANDY GRAVEL, with clay, fine sand, wet, dark brown to brown, well graded, subangular	
15.0		SSHS-B3214-SUB-14-16			7.7
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3222

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/19 **COMPLETED** 8/30/19
NORTHING 762288.1181 ft **EASTING** 754700.9451 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 57 (2'-4'), Refusal at 17.5'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3092-SUB-0.17-2		Dense, SILT, moist, brown	8.5
				SILTY SAND, with gravel, rock fragments, brown to black, concrete	
2.5		SSHS-B3092-SUB-2-4		Dense, SANDY SILT, with gravel, moist, brown to dark brown	4.2
5.0		SSHS-B3092-SUB-4-6		Dense, SANDY SILT, with gravel, moist, brown to dark brown, concrete and brick	5
		SSHS-B3092-SUB-6-8		Medium dense, SAND, with gravel, fine to coarse sand, some silt, dry to moist, brown, concrete	5
7.5		SSHS-B3092-SUB-8-10		Medium dense, SAND, with gravel, fine to coarse sand, some silt, dry to moist, brown, concrete and red brick	5.8

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BORING B3222

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3092-SUB-10-12		Medium dense, SANDY SILT, some gravel, dry to moist, concrete	6.3
12.5		SSHS-B3092-SUB-12-14		Medium dense, SILTY SAND, with gravel, some rock fragments, dry to moist, brown, concrete	4.2
15.0		SSHS-B3092-SUB-14-16		Dense, SAND, with gravel, some silt, rock fragments, moist	3.9
17.5		SSHS-B3092-SUB-16-18		Dense, SAND, with gravel, some silt, rock fragments, dry to moist, concrete	3.7
20.0				Bottom of borehole at 18.0 feet.	

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BORING B3224

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 8/30/19 **COMPLETED** 8/30/19
NORTHING 762200.6866 ft **EASTING** 754538.3974 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY M. Schallinger **CHECKED BY** DRAFT
NOTES Dup 56 (6'-8')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3224-SUB-0.17-2		Medium dense, SILT, some sand, some gravel, rock fragments, moist, brown, becoming black sandy silt towards bottom	3.4
2.5		SSHS-B3224-SUB-2-4		Dense, SANDY SILT, some coal, some gravel, moist, black to brown	4.1
5.0		SSHS-B3224-SUB-4-6		Medium dense, SANDY SILT, some gravel, moist, brown	4.6
		SSHS-B3224-SUB-6-8		Dense, SILTY SAND, with gravel, fine to coarse sand, gravel, brown	3.8
7.5				SANDY GRAVEL, with silt, wet, concrete at 7'	
		SSHS-B3224-SUB-8-10		Medium dense, SILTY SAND, with gravel, moist, brown with reddish orange, wet at bottom	4.2

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BORING B3224

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3224-SUB-10-12		Medium dense, SILTY SAND, with gravel, moist, brown with reddish orange, wet at bottom, concrete and brick	4.6
12.5		SSHS-B3224-SUB-12-14		Dense, SILT, sand, gravel, moist, brown	5
15.0		SSHS-B3224-SUB-14-16		Medium dense, SAND, with gravel, rock fragments, some silt, moist, brown to light brown	4.7
17.5		SSHS-B3224-SUB-16-18			4.9
20.0		SSHS-B3224-SUB-18-20		Dense, SANDY GRAVEL, fine to coarse grained, saturated	3.6
				Bottom of borehole at 20.0 feet.	

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BORING B3001

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
NORTHING 761877.862 ft **EASTING** 755729.454 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 67 (4-6) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3001-Sub-0-0.17 SSHS-B3001-Sub-0.17-2		Medium dense, SANDY SILT, fine grained, moist, reddish brown, poorly graded, medium plasticity	4.3
				Loose, SANDY SILT, with gravel, fine grained, moist, dark brown and black, poorly graded, subangular	
2.5		SSHS-B3001-Sub-2-4		Loose, SANDY GRAVEL, with clay, fine grained, moist, light black and gray, poorly graded, subangular	2.1
5.0		SSHS-B3001-Sub-4-6			3.2
		SSHS-B3001-Sub-6-8			5.3
7.5		SSHS-B3001-Sub-8-10		Very loose, SILTY SAND, with gravel, fine grained, dry to moist, light brown and gray, poorly graded, subangular	8.1

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Very loose, SILTY SAND, with gravel, fine grained, dry to moist, light brown and gray, poorly graded, subangular *(continued)*	6.7
		SSHS-B3001-Sub-10-12			
12.5					4.7
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B3002

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
NORTHING 761913.398 ft **EASTING** 755640.149 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 65 (.17-2) ft. Refusal at 11.5'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3002-Sub-0-0.17		Stiff, SANDY SILT, some fine sand, reddish brown, poorly graded	7
		SSHS-B3002-Sub-0.17-2		Loose, SANDY GRAVEL, with clay, and fine sand, moist, dark brown, well graded, subangular	
2.5		SSHS-B3002-Sub-2-4			6.1
5.0		SSHS-B3002-Sub-4-6		Becomes very loose, light gray	6.5
		SSHS-B3002-Sub-6-8		Very loose, SILTY SAND, with gravel, and fine sand, moist, light brown to dark brown and gray, well graded	6
7.5		SSHS-B3002-Sub-8-10			7.9

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BORING B3002

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3002-Sub-10-12		Very dense, SANDY GRAVEL, with clay, and fine sand, moist, light brown to dark brown and gray, well graded	3.9
12.5					
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B3009

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
NORTHING 761839.387 ft **EASTING** 755684.257 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B3009-Sub-0-0.17		Stiff, SANDY SILT, moist, reddish brown, poorly graded, medium plasticity	0.0
		SSHS-B3009-Sub-0.17-2			7.5
				Dense, SANDY GRAVEL, with clay, fine grained, moist, light brown, well graded, subangular	
2.5		SSHS-B3009-Sub-2-4			5.5 2.5
					6
5.0		SSHS-B3009-Sub-4-6			5.0
				Very loose, SILTY SAND, with gravel, fine grained, moist, light brown and gray, well graded, subangular	5
7.5		SSHS-B3009-Sub-6-8			7.5
					6.3
		SSHS-B3009-Sub-8-10		Becomes trace gravel	

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BORING B3009

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Very loose, SILTY SAND, with gravel, fine grained, moist, light brown and gray, well graded, subangular *(continued)*	4.6
		SSHS-B3009-Sub-10-12		Very loose, SANDY GRAVEL, with clay, fine grained, moist, light gray and brown, well graded	
12.5		SSHS-B3009-Sub-12-14			4.3
					4.6
15.0				▽	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3010

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
NORTHING 761862.709 ft **EASTING** 755628.29 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 28 (8-10) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	SSHS-B3010-Sub-0-0.17 SSHS-B3010-Sub-0.17-2		SANDY SILT, reddish brown, poorly graded, fine grained, moist, very stiff	2.3
2		63	SSHS-B3010-Sub-2-4		SILTY GRAVEL, light brown and gray, well graded, subangular, fine grained, moist, dense, with sand	2.4
4		67	SSHS-B3010-Sub-4-6			2.1
6		50	SSHS-B3010-Sub-6-8		SILTY SAND, light brown and dark brown, well graded, subangular, moist, medium dense, with gravel	2.8
8		71	SSHS-B3010-Sub-8-10		SANDY GRAVEL, light brown and light gray, well graded, subangular, fine grained, moist, very loose, with clay	3
10						

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BORING B3010

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B3010-Sub-10-12			6.2
12		100	SSHS-B3010-Sub-12-14			2.4
14					Bottom of borehole at 14.0 feet.	5.1
		100				

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BORING B3023

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
NORTHING 761778.045 ft **EASTING** 755691.76 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 70 (4-6) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3023-Sub-0.17-2		Very stiff, SANDY SILT, reddish brown	
		SSHS-B3023-Sub-0-0.17		Medium dense, SILTY GRAVEL, with sand, fine grained, moist, light to dark brown	4.9
2.5		SSHS-B3203-Sub-2-4		Medium dense, SILTY SAND, trace gravel, fine grained, moist, light brown, well graded, subangular	6
5.0		SSHS-B3203-Sub-4-6		Dense, SANDY GRAVEL, with clay, fine grained, light to dark brown and gray, well graded, subangular	7.2
		SSHS-B3203-Sub-6-8			6.1
7.5		SSHS-B3203-Sub-8-10		Loose, SILTY SAND, with gravel, fine grained, moist, light brown and gray, well graded, subangular	3.2

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BORING B3023

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3203-Sub-10-12		Loose, SILTY SAND, with gravel, fine grained, moist, light brown and gray, well graded, subangular *(continued)*	3.9
12.5		SSHS-B3203-Sub-12-14		SANDY GRAVEL, with clay, fine grained, light brown to dark brown, well graded, subangular	6.5
15.0					5.1
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3024

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
NORTHING 761807.663 ft **EASTING** 755609.304 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES MS/MSD 30 (2-4) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					CLAYEY SILT, brown, moist, stiff, with organics	
					GRAVELLY SAND, with coal	
2		56	SSHS-B3024-Sub-2-4		SANDY CLAY, brown, coarse grained, moist, medium dense, with gravel	1.3
4					ASPHALT, black	3
		67	SSHS-B3024-Sub-4-6		SILTY SAND, brown, moist, loose, with clay, and gravel	
6					SILTY SAND, brown, coarse grained, with clay, and gravel	2.3
		67	SSHS-B3024-Sub-6-8			
8					Some coal, and gravel	2.2
		96	SSHS-B3024-Sub-8-10			
10						

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BORING B3024

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		79	SSHS-B3024-Sub-10-12			1.5
12		88	SSHS-B3024-Sub-12-14			1.6
14		96			SILTY SAND, brown, rounded, medium grained, wet, with gravel	2.3
16					Bottom of borehole at 16.0 feet.	

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BORING B3036

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
NORTHING 761728.58 ft **EASTING** 755643.329 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 71 (4-6) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium stiff, SANDY SILT, moist, reddish brown, poorly graded	
		SSHS-B3036-SUB-0.17-2		Loose, SANDY GRAVEL, with clay, and fine sand, moist, dark brown to light brown, well graded, subangular	4.7
2.5		SSHS-B3036-SUB-2-4		Very stiff, CLAY, trace sand, trace gravel, moist, light brown, poorly graded	4.5
		SSHS-B3036-SUB-4-6		Very stiff, SANDY CLAY, with gravel, and fine sand, moist, light brown to dark brown, well graded, subangular fine sand	4.7
5.0		SSHS-B3036-SUB-6-8		Loose, SANDY GRAVEL, with clay, moist, dark brown and gray, well graded, subangular fine sand	6.3
7.5		SSHS-B3036-SUB-8-10			5.8

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BORING B3036

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3036-SUB-10-12		Medium dense, SILTY SAND, with clay, moist, light gray and brown, well graded, subangular fine sand	6.1
12.5		SSHS-B3036-SUB-12-14		Loose, SANDY GRAVEL, with clay, moist, light brown to dark brown and gray, well graded, subangular fine sand	9.2
15.0		SSHS-B3036-SUB-14-16		Loose, SANDY GRAVEL, with clay, wet, light brown to dark brown and gray, well graded, subangular fine sand	10.4
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3037

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
NORTHING 761752.209 ft **EASTING** 755588.138 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES Dup 68 (17-2) ft, PM only

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, CLAYEY SILT, moist, brown, organic topsoil	
		SSHS-B3037-SUB-0.17-2			3.4
				COBBLES, black, crumbly coal-like fill material	
				No recovery	
		NO RECOVERY 2-5.2; REFUSAL AT 4', 5', 5.2'			
2.5					
5.0				Bottom of borehole at 5.2 feet.	
7.5					

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BORING B3038

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
NORTHING 761774.764 ft **EASTING** 755534.831 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD (6-8) ft; Dup 66 (8-10) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SANDY SILT, with fine sand, reddish brown, poorly graded	
		SSHS-B3038-SUB-0.17-2		Loose, SANDY GRAVEL, with clay, and fine sand, moist, light brown to brown, well graded	4
2.5		SSHS-B3038-SUB-2-4			5.8
				Medium stiff, SANDY SILT, trace gravel, moist, light brown, well graded, subangular	
5.0		SSHS-B3038-SUB-4-6			7
				Loose, SANDY GRAVEL, with clay, and fine sand, light brown and gray, well graded, subangular	
		SSHS-B3038-SUB-6-8			7.6
7.5					
		SSHS-B3038-SUB-8-10			7

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BORING B3038

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
NORTHING 761774.764 ft **EASTING** 755534.831 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD (6-8) ft; Dup 66 (8-10) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SANDY SILT, with fine sand, reddish brown, poorly graded	
		SSHS-B3038-SUB-0.17-2		Loose, SANDY GRAVEL, with clay, and fine sand, moist, light brown to brown, well graded	4
2.5		SSHS-B3038-SUB-2-4			5.8
				Medium stiff, SANDY SILT, trace gravel, moist, light brown, well graded, subangular	
5.0		SSHS-B3038-SUB-4-6			7
				Loose, SANDY GRAVEL, with clay, and fine sand, light brown and gray, well graded, subangular	
		SSHS-B3038-SUB-6-8			7.6
7.5					
		SSHS-B3038-SUB-8-10			7

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BORING B3038

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SANDY GRAVEL, with clay, and fine sand, light brown and gray, well graded, subangular *(continued)*	
		SSHS-B3038-SUB-10-12			5.9
				Very loose, SILTY SAND, with gravel, and fine sand, moist, light brown and light gray, well graded, subangular	
12.5		SSHS-B3038-SUB-12-14			2.2
		SSHS-B3038-SUB-14-16			1.5
15.0				Very loose, SILTY SAND, with gravel, and fine sand, wet, light brown and light gray, well graded, subangular	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3052

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
NORTHING 761697.852 ft **EASTING** 755567.331 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES Dup 69 (0.17'-2')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, CLAYEY SILT, brown, non plastic, topsoil	
		SSHS-B3052-SUB-0.17-2		Loose, CLAYEY SAND, with silt, and gravel, moist, brown	6.4
2.5		SSHS-B3052-SUB-2-4		Loose, CLAYEY SAND, with silt, and gravel, moist, brown, fragments of brick and coal-like material	5.1
5.0		SSHS-B3052-SUB-4-6		Loose, CLAYEY SAND, with silt, and gravel, moist, dark brown, fragments of coal-like material	8.1
		SSHS-B3052-SUB-6-8		Loose, CLAYEY SAND, with silt, and gravel, medium to coarse grained, moist, dark brown, fragments of coal-like material	4.4
7.5				Loose, CLAYEY SAND, with silt, and gravel, coarse grained, moist, dark brown, fragments of coal-like material	
		SSHS-B3052-SUB-8-10		Loose, SILTY SAND, with coarse gravel, medium grained, brown, well graded, fragments of brick	2.4

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BORING B3052

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3052-SUB-10-12		Loose, SILTY SAND, with fine to coarse gravel, trace clay, coarse grained, moist to wet, brown, well graded	7.4
12.5		SSHS-B3052-SUB-12-14		Loose, SILTY SAND, with fine to coarse gravel, trace clay, coarse grained, wet, brown, well graded	6.5
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B3067

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
NORTHING 761641.032 ft **EASTING** 755546.45 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES MS/MSD 31 (2-4) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, CLAYEY SILT, moist, brown, topsoil	
		SSHS-B3067-SUB-0.17-2		Loose, CLAYEY SAND, with silt, and gravel, coarse grained, moist, brown	7.5
2.5		SSHS-B3067-SUB-2-4		Dense, CLAYEY SAND, some gravel, moist, brown	5
		SSHS-B3067-SUB-4-6		Dense, CLAYEY SAND, with coarse gravel, moist, brown	7.2
5.0				SILTY CLAY, moist, brown	
				CLAYEY SAND, fine to medium grained, moist to wet, brown	
		SSHS-B3067-SUB-6-8		Loose, SILTY SAND, trace coarse gravel, moist, brown, well graded	7.2
7.5					
		SSHS-B3067-SUB-8-10		Medium dense, SILTY SAND, fine grained, moist, brown	7.5

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BORING B3067

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0					
		SSHS-B3067-SUB-10-12		Medium dense, SILTY SAND, some fine gravel, fine grained, moist, brown	4.5
12.5				Medium dense, SILTY SAND, with coarse gravel, fine grained, moist, brown	
		SSHS-B3067-SUB-12-14		Loose, SAND, with gravel, moist, brown, well graded	4.4
15.0		SSHS-B3067-SUB-14-16		SILTY CLAY, brown Loose, SILTY SAND, with fine gravel, medium to coarse grained, moist, brown	5
				GRAVEL, wet, rounded	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3053

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/3/19 **COMPLETED** 9/3/19
NORTHING 761716.014 ft **EASTING** 755512.721 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 64 (2-4) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SANDY SILT, fine sand, moist, reddish brown, poorly graded	
		SSHS-B3053-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine sand, dark brown and black, well graded, subangular	1.4
2.5		SSHS-B3053-SUB-2-4		Medium stiff, SANDY CLAY, fine sand, trace gravel, moist, light brown, well graded, subangular	1.5
				Loose, SANDY GRAVEL, with clay, fine sand, moist, light brown and gray, well graded, subangular	
5.0		SSHS-B3053-SUB-4-6			1.8
		SSHS-B3053-SUB-6-8			2.9
7.5		SSHS-B3053-SUB-8-10			3.2

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BORING B3053

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3053-SUB-10-12		Very loose, SILTY SAND, with gravel, moist, light brown to dark brown, well graded, subangular	3
12.5		SSHS-B3053-SUB-12-14		Medium dense, SANDY GRAVEL, with clay, fine sand, moist, light black and gray, well graded, subangular	4.4
15.0		SSHS-B3053-SUB-14-16		Medium dense, SANDY GRAVEL, with clay, fine sand, wet, light black and gray, well graded, subangular	3.2
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3051

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/4/19 **COMPLETED** 9/4/19
NORTHING 761660.128 ft **EASTING** 755652.559 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 72 (0.17-2) ft; MS/MSD 34 (10-12) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3051-SUB-0.17-2		Stiff, SANDY SILT, fine sand, reddish brown, poorly graded	7.9
				Very loose, SANDY GRAVEL, with clay, and fine sand, moist, brown, well graded, subangular	
2.5		SSHS-B3051-SUB-2-4			7.1
		SSHS-B3051-SUB-4-6		Very loose, SANDY GRAVEL, with clay, and fine sand, moist, light gray, well graded, subangular	3.8
5.0					
		SSHS-B3051-SUB-6-8		Loose, SILTY SAND, with gravel, and fine sand, moist, light gray and light brown, well graded, subangular	6.3
7.5					
		SSHS-B3051-SUB-8-10			4.9

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SILTY SAND, with gravel, and fine sand, moist, light gray and light brown, well graded, subangular *(continued)*	
		SSHS-B3051-SUB-10-12			2
12.5		SSHS-B3051-SUB-12-14		Medium dense, SILTY SAND, with fine sand, wet, light brown, well graded	5
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B3066

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/4/19 **COMPLETED** 9/4/19
NORTHING 761616.644 ft **EASTING** 755602.621 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 35 (6-8) ft, Dup 73 (8-10) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, reddish brown, moist, roots, fine sand	
		71	SSHS-B3066-SUB-0.17-2		SILTY SAND, light brown to brown, well graded, coarse grained, moist, very loose, with gravel	4.2
2		67	SSHS-B3066-SUB-2-4			1.4
4		100	SSHS-B3066-SUB-4-6		SANDY GRAVEL, light brown to dark brown, well graded, subangular, moist, medium dense, with clay, fine sand	6.2
6		83	SSHS-B3066-SUB-6-8			5.1
8		83	SSHS-B3066-SUB-8-10		SILTY SAND, dark brown and gray, well graded, subangular, fine grained, moist, loose, with gravel	4
10						

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BORING B3066

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3066-SUB-10-12			2
12		100	SSHS-B3066-SUB-12-14			3.2
14		100	SSHS-B3066-SUB-14-16		SILTY SAND, well graded, subangular, fine to coarse grained, loose, with gravel	4.2
16					Bottom of borehole at 16.0 feet.	

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BORING B3080

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/4/19 **COMPLETED** 9/4/19
NORTHING 761564.09 ft **EASTING** 755579.289 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 75 (6-8) ft, 76 (0.17-2) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SANDY SILT, roots, moist, reddish brown, poorly graded	
		SSHS-B3080-SUB-0.17-2		Loose, SILTY SAND, with gravel, fine to coarse grained, moist, black and light brown, well graded, subangular	6.4
2.5		SSHS-B3080-SUB-2-4			0.8
5.0		SSHS-B3080-SUB-4-6		Loose, SILTY SAND, trace gravel, moist, light brown to dark brown gray, poorly graded, subangular	7.5
		SSHS-B3080-SUB-6-8		Medium dense, SILTY SAND, with gravel, fine grained, moist, light brown to dark brown, well graded, subangular	4.3
7.5		SSHS-B3080-SUB-8-10			5.9

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BORING B3080

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0					
		SSHS-B3080-SUB-10-12		Very loose, SANDY GRAVEL, with clay, fine to coarse sand, dry, light brown to dark brown, well graded, subangular	24
12.5		SSHS-B3080-SUB-12-14			6.7
				Very dense, SILTY SAND, with gravel, fine grained, moist, light brown and gray, well graded, subangular	
15.0		SSHS-B3080-SUB-14-16			3.6
				Very dense, SILTY SAND, with gravel, fine grained, wet, light brown and gray, well graded, subangular	
17.5		(NO PID READING) SSHS-B3080-SUB-16-18			
				Bottom of borehole at 18.0 feet.	
20.0					

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BORING B3081

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/4/19 **COMPLETED** 9/4/19
NORTHING 761587.123 ft **EASTING** 755523.363 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES MS/MSD 32 (0.17'-2' PSM ONLY), 33 (4'-6')

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					CLAYEY SILT, brown, moist, medium stiff, organics, topsoil	
		75	SSHS-B3081-SUB-0.17-2		SILTY SAND, brown, coarse grained, moist, medium dense, with clay, and fine to coarse gravel, some coal	2
2		63	SSHS-B3081-SUB-2-4		SILTY SAND, brown, medium to coarse grained, moist, medium dense, with clay, and fine to coarse gravel	1.2
4		92	SSHS-B3081-SUB-4-6		SILTY SAND, brown, medium grained, moist, medium dense, with clay, some fine to coarse gravel	3
					GRAVEL, moist, loose, and construction debris, with silt, and sand, brick debris	
6		92	SSHS-B3081-SUB-6-8		SILTY SAND, brown, dry to moist, loose, with fine to coarse gravel	12.2
8		96	SSHS-B3081-SUB-8-10		SILTY SAND, brown, moist, loose, with fine to coarse gravel, dry gravelly debris at 8.67' and 9.25'	5
10						

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BORING B3081

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		79	SSHS-B3081-SUB-10-12		SILTY SAND, brown, dry to moist, loose, with fine to coarse gravel	4
12		100	SSHS-B3081-SUB-12-14			4.6
14		100	SSHS-B3081-SUB-14-16		SILTY SAND, brown, well graded, medium grained, wet, loose	6.5
16					Bottom of borehole at 16.0 feet.	

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BORING B3085

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/4/19 **COMPLETED** 9/4/19
NORTHING 761508.329 ft **EASTING** 755553.839 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 37 (0.17-2) ft

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very stiff, SANDY SILT, reddish brown, poorly graded, non plastic	
		SSHS-B3085-SUB-0.17-2		Medium dense, SANDY GRAVEL, with clay, moist, brown gray black, well graded, subangular	8.4
2.5		SSHS-B3085-SUB-2-4		Loose, SILTY SAND, with gravel, fine grained, moist, light brown to brown, well graded, subangular	9.1
5.0		SSHS-B3085-SUB-4-6		SANDY GRAVEL, with clay, fine sand, moist, light brown and gray, well graded, subangular	5.6
7.5		SSHS-B3085-SUB-6-8			5.2
		SSHS-B3085-SUB-8-10			

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BORING B3085

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				SANDY GRAVEL, with clay, fine sand, moist, light brown and gray, well graded, subangular *(continued)*	
		SSHS-B3085-SUB-10-12			6.4
				Very loose, SANDY GRAVEL, with clay, fine sand, dry, light gray and light brown, well graded	
12.5		SSHS-B3085-SUB-12-14			3.8
				Very loose, SANDY GRAVEL, with clay, fine sand, wet, light gray and light brown, well graded	
15.0		SSHS-B3085-SUB-14-16			2.8
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3086

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/4/19 **COMPLETED** 9/4/19
NORTHING 761525.725 ft **EASTING** 755500.865 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES Dup 74 (2-4) ft

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0		Stiff, CLAYEY SILT, moist, brown, topsoil
		Dense, CLAYEY SAND, with fine to coarse gravel, some coal, moist, brown
2.5		Dense, CLAYEY SAND, with fine to coarse gravel, some coal, moist, black to reddish brown, varying amounts of clay
5.0		Dense, CLAYEY SAND, with fine to coarse gravel, some coal, moist, brown to light brown, varying amounts of clay
7.5		Dense, CLAYEY SAND, with fine to coarse gravel, some coal, moist, brown to light brown, varying amounts of clay, brick fragment at 6.67'

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BORING B3086

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION
10.0		Dense, CLAYEY SAND, with fine to coarse gravel, some coal, dry to moist, light brown, varying amounts of clay
12.5		Dense, CLAYEY SAND, with fine to coarse gravel, some coal, moist, light brown, varying amounts of clay, large gravel piece at 17.17'
15.0		
17.5		Loose, SILTY SAND, trace fine gravel, medium grained, wet, brown, well graded, rounded gravel
		Bottom of borehole at 18.0 feet.
20.0		

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BORING B3220

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/4/19 **COMPLETED** 9/4/19
NORTHING 762068.4621 ft **EASTING** 754782.8727 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES Dup 77 (6'-8')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, CLAYEY SILT, moist, brown, topsoil	
		SSHS-B3220-SUB-0.17-2		Loose, CLAYEY SAND, with silt, with gravel, some coal, moist, brown, brick debris	
2.5		SSHS-B3220-SUB-2-4			9.6
				Construction debris, white, concrete	
5.0		SSHS-B3220-SUB-4-6			
		SSHS-B3220-SUB-6-8		Loose, SILTY SAND, with coarse gravel, medium to coarse sand, dry to moist, brown, angular gravel, fine to medium grained sand at base	4.1
7.5		SSHS-B3220-SUB-8-10			6.6

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BORING B3220

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SILTY SAND, with coarse gravel, medium to coarse sand, dry to moist, brown, angular gravel, fine to medium grained sand at base *(continued)*	
		SSHS-B3220-SUB-10-12			5.4
				Loose, CLAYEY SAND, with gravel, medium sand, wet, dark brown, angular gravel	
				Loose, SILTY SAND, coarse gravel, dry to moist, brown, angular gravel	
12.5		SSHS-B3220-SUB-12-14			3.3
15.0		SSHS-B3220-SUB-14-16			2.4
		SSHS-B3220-SUB-16-18		Loose, SILTY SAND, coarse gravel, wet, brown, angular gravel	4.7
17.5					
				Bottom of borehole at 18.0 feet.	
20.0					

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BORING B3221

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 9/4/19 **COMPLETED** 9/4/19
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY MB **CHECKED BY** DRAFT
NOTES MS/MSD 36 (0.17'-2') P,SM only

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, CLAYEY SILT, moist, brown, topsoil	
		SSHS-B3221-SUB-0.17-2		Loose, CLAYEY SAND, with fine to coarse gravel, some coal, coarse sand, moist, dark brown, angular gravel	8.4
2.5		SSHS-B3221-SUB-2-4		SILTY SAND, with fine to coarse gravel, coarse sand, brown, angular gravel	8.8
5.0		SSHS-B3221-SUB-4-6			7.8
		SSHS-B3221-SUB-6-8		GRAVEL, gray, fill	4.3
7.5				SILTY SAND, with fine to coarse gravel, dry to moist, light brown and gray	
		SSHS-B3221-SUB-8-10		SILTY SAND, with fine to coarse gravel, dry to moist, light brown to gray and brown, brick debris layer from 11.17'-11.33'	2.3

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BORING B3221

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				SILTY SAND, with fine to coarse gravel, dry to moist, light brown to gray and brown, brick debris layer from 11.17'-11.33' *(continued)*	
		SSHS-B3221-SUB-10-12			9
12.5				Loose, SILTY SAND, with gravel, medium to coarse sand, dry to moist, light gray to brown, angular gravel	
		SSHS-B3221-SUB-12-14			6.6
				Loose, SILTY SAND, with gravel, medium to coarse sand, moist, brown, angular gravel	
15.0		SSHS-B3221-SUB-14-16			9.2
				Loose, SILTY SAND, with gravel, medium to coarse sand, wet, brown, angular gravel	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B2908

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/4/19 **COMPLETED** 11/4/19
NORTHING 762120.965 ft **EASTING** 754432.582 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 3 (2-4) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, light brown, subangular, dense, roots, fine sand, Topsoil	
			SSHS-B2908-SUB-0.17-2		SANDY SILT, light brown, subangular, dense, fine sand, topsoil	0.1
		50			SILTY SAND, light brown, well graded, subangular, moist, dense, fine sand	
2					SILTY SAND, light brown to dark brown, well graded, subangular, moist, very dense, gravel, fine sand	
			SSHS-B2908-SUB-2-4			0.1
		67			Gray, crushed rock	
					SILTY SAND, light brown to dark brown, well graded, subangular, moist, very dense, gravel, fine sand	
4					SANDY CLAY, brown, well graded, moist, medium plasticity, From 5' to 5'8", loose, subangular crushed rock	
			SSHS-B2908-SUB-4-6			0.1
		58				
6					CLAYEY SAND, brown, well graded, subrounded, moist, very loose, gravel, fine to coarse sand	
			SSHS-B2908-SUB-6-8			0.1
		58				
8					Bottom of borehole at 8.0 feet.	

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BORING B2917

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/4/19 **COMPLETED** 11/4/19
NORTHING 762091.766 ft **EASTING** 754502.839 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 6 (2-4) ft, Only logged from 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		67	SSHS-B2917-SUB-2-4		CLAYEY SAND, brown to dark brown, well graded, subangular, moist, loose, with gravel, fine sand	0.2
4					Bottom of borehole at 4.0 feet.	

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BORING B2918

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/4/19 **COMPLETED** 11/4/19
NORTHING 762096.787 ft **EASTING** 754489.918 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 5 (2-4) ft, Only logged 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		67	SSHS-B2918-SUB-2-4		CLAYEY SAND, brown, well graded, subangular, moist, loose, with gravel, fine to coarse sand	0.1
4					Bottom of borehole at 4.0 feet.	

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BORING B2919

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/4/19 **COMPLETED** 11/4/19
NORTHING 762080.573 ft **EASTING** 754528.356 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		75	SSHS-B2919-SUB-2-4		SANDY CLAY, dark brown to brown, well graded, subrounded, moist, loose, with gravel, fine to coarse sand	0.1
4					Bottom of borehole at 4.0 feet.	

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BORING B2920

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/4/19 **COMPLETED** 11/4/19
NORTHING 762128.65 ft **EASTING** 754414.442 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		67	SSHS-B2920-SUB-2-4		SILTY SAND, light brown to dark brown, well graded, subangular, moist, dense, with gravel, fine to coarse sand	0.3
4					Bottom of borehole at 4.0 feet.	

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BORING B2922

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/4/19 **COMPLETED** 11/4/19
NORTHING 762110.943 ft **EASTING** 754366.705 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		92	SSHS-B2922-SUB-2-4		SANDY GRAVEL, dark brown and gray, well graded, subangular, moist, very dense, with clay, fine to coarse sand	0.4
					SILTY SAND, light brown, well graded, subangular, moist, very dense, fine sand	
4					Bottom of borehole at 4.0 feet.	

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BORING B2929

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/4/19 **COMPLETED** 11/4/19
NORTHING 762091.769 ft **EASTING** 754412.998 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 10 (2-4) ft, Only logged 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		96				
2			SSHS-B2929-SUB-2-4		SILTY SAND, light brown to dark brown, well graded, subangular, moist, dense, trace gravel	0.3
4					Bottom of borehole at 4.0 feet.	

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BORING B2943

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/4/19 **COMPLETED** 11/4/19
NORTHING 762063.971 ft **EASTING** 754483.105 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 4-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4		79	SSHS-B2943-SUB-4-6		CLAYEY SAND, light brown to dark brown, well graded, subrounded, moist, dense, with gravel, fine to coarse sand	0.1
6					Bottom of borehole at 6.0 feet.	

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BORING B2912

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762295.894 ft **EASTING** 754547.409 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 4 (0.17-2) ft, hand augered, homogenized sample, unable to log topsoil

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2912-SUB-0.17-2		SANDY GRAVEL, dark brown to light brown, well graded, subangular, moist, dense, with silt, fine to coarse sand	1.2
2					Bottom of borehole at 2.0 feet.	

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BORING B2923

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762163.112 ft **EASTING** 754379.254 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 4-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4		92	SSHS-B2923-SUB-4-6		SAND, light gray and brown, well graded, angular, moist, loose, and gravel	0.5
					CLAY, brown and light brown, moist, stiff, medium plasticity, trace sand	
6					Bottom of borehole at 6.0 feet.	

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BORING B2924

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762394.139 ft **EASTING** 754373.327 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 7 (4-6) ft, Only logged 4-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4		54	SSHS-B2924-SUB-4-6		SANDY GRAVEL, brown, well graded, subangular, wet, dense, with clay, fine sand	0.4
6					Bottom of borehole at 6.0 feet.	

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BORING B2925

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762394.276 ft **EASTING** 754389.427 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 4-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4		67	SSHS-B2925-SUB-4-6		SAND, light brown to brown, well graded, subangular, loose, with gravel, and clay, fine to coarse sand	0.3
6					Bottom of borehole at 6.0 feet.	

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BORING B2926

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762241.968 ft **EASTING** 754316.305 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 8 (4-6) ft, MS/MSD (4-6) ft. Only logged 2-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		96	SSHS-B2926-SUB-2-4		SANDY GRAVEL, light brown to brown, well graded, angular, moist, dense, with clay, fine to coarse sand, crushed brick at 2.5'-2.58'	0.4
4		88	SSHS-B2926-SUB-4-6			0.3
6					Bottom of borehole at 6.0 feet.	

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BORING B2928

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762263.979 ft **EASTING** 754327.915 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 8 (2-4) ft. Only logged 2-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		100	SSHS-B2928-SUB-2-4		GRAVEL, dark brown, well graded, wet, very dense, with silt, and fine to coarse sand, odor	3
4		88	SSHS-B2928-SUB-4-6		CLAYEY SAND, dark brown, well graded, wet, loose, fine sand GRAVEL, light gray and dark brown, well graded, moist, loose, with sand, and clay SAND, light brown, well graded, angular, moist, dense, with gravel, and clay	2.9
6					Bottom of borehole at 6.0 feet.	

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BORING B2934

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762271.275 ft **EASTING** 754382.918 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 8-10 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
8		50	SSHS-B2934-SUB-8-10		SANDY GRAVEL, light brown and dark gray, well graded, subangular, moist, loose, with clay, fine to coarse sand	0.5
10					Bottom of borehole at 10.0 feet.	

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BORING B2935

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762249.794 ft **EASTING** 754419.943 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 8-10 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4						
6						
8		67	SSHS-B2935-SUB-8-10		SAND, light brown, well graded, subangular, moist, dense, with gravel, fine to coarse sand, crushed brick and concrete SAND, light brown, well graded, subangular, moist, dense, with gravel, fine to coarse sand	0.3
10					Bottom of borehole at 10.0 feet.	

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BORING B2936

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762242.284 ft **EASTING** 754389.534 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 8-10 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
8		50	SSHS-B2936-SUB-8-10		SANDY GRAVEL, light brown, well graded, angular, wet, medium dense, with clay, fine to coarse sand	0.1
10					Bottom of borehole at 10.0 feet.	

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BORING B2937

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762227.213 ft **EASTING** 754409.234 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 8-10 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
8		50	SSHS-B2937-SUB-8-10		GRAVEL, light brown and gray, well graded, subangular, dense, with sand, fine to coarse sand	0.3
10					Bottom of borehole at 10.0 feet.	

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BORING B2942

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762232.841 ft **EASTING** 754294.243 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 7 (6-8) ft, Dup 11 (6-8) ft, Only logged from 4-8 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4		83	SSHS-B2942-SUB-4-6		SANDY GRAVEL, light brown to dark brown, well graded, subrounded, moist, dense, with clay, fine to coarse sand	0.1
6		71	SSHS-B2942-SUB-6-8			0.3
8					Bottom of borehole at 8.0 feet.	

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BORING B2953

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762353.406 ft **EASTING** 754290.265 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 13 (0.17-2) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, brown, moist, dense, fine sand	
		100	SSHS-B2953-SUB-0.17-2		SANDY GRAVEL, light gray and brown, well graded, subangular, moist, very dense, with clay, fine to coarse sand	0.4
2					Bottom of borehole at 2.0 feet.	

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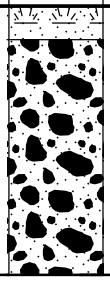
BORING B2954

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762334.343 ft **EASTING** 754308.686 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		71	SSHS-B2954-SUB-0.17-2		SANDY SILT, light brown, moist, dense, fine sand, topsoil SANDY GRAVEL, brown, well graded, angular, moist, medium dense, with clay, fine to coarse sand	0.2
2					Bottom of borehole at 2.0 feet.	

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BORING B2955

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762400.4029 ft **EASTING** 754299.9681 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 4-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2					SANDY GRAVEL, light brown and gray, well graded, subangular, medium dense, with clay, fine to coarse sand	
4		100	SSHS-B2955-SUB-4-6			0.5
6					Bottom of borehole at 6.0 feet.	

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BORING B2961

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762293.846 ft **EASTING** 754282.223 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Only logged 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		56	SSHS-B2961-SUB-2-4		GRAVEL, dark brown, angular, moist	0.4
4					Bottom of borehole at 4.0 feet.	

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BORING B2963

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762310.567 ft **EASTING** 754290.774 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Dup 14 (2-4) ft, Only logged 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		67	SSHS-B2963-SUB-2-4		SANDY SILT, light brown, moist, dense, fine sand CLAY, black, moist, and fine sand, possibly staining CLAY, brown, moist, very stiff Tan, granular material, likely wood CLAY, dark brown, moist, stiff	0.3
4					Bottom of borehole at 4.0 feet.	

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BORING B2966

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762265.56 ft **EASTING** 754287.841 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Only logged 4-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4		67	SSHS-B2966-SUB-4-6		Black, granular material, looks like plastic, red staining with odor CLAY, dark brown, moist, soft, high plasticity SANDY SILT, light brown, fine sand, some coarse sand, some gravel	0.9
6					Bottom of borehole at 6.0 feet.	

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BORING B2989

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 4-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4		83	SSHS-B2989-SUB-4-6		SANDY GRAVEL, brown to light brown, well graded, subangular, moist, very dense, with clay, fine to coarse sand	0.9
6					Bottom of borehole at 6.0 feet.	

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BORING B2910

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 11/5/19 **COMPLETED** 11/5/19
NORTHING 762242.245 ft **EASTING** 754608.747 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR Rettew
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0				Dense, SANDY SILT, fine sand, moist, light brown, topsoil	
		SSHS-B2910-SUB-0.17-2		Very dense, SAND, with gravel, fine to coarse sand, moist, dark brown to black, well graded, subangular	4.8
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B2900

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762270.028 ft **EASTING** 754572.926 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 1 (0.17-2) ft, MS/MSD 1 (0.17-2) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, light brown, moist, dense, fine sand, topsoil	
		100	SSHS-B2900-SUB-0.17-2		SAND, light gray to dark brown, well graded, angular, moist, loose, with gravel, fine to coarse sand	1.5
2					Bottom of borehole at 2.0 feet.	

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BORING B2901

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762254.522 ft **EASTING** 754578.146 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 2 (0.17-2) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2901-SUB-0.17-2		SANDY SILT, light brown, moist, dense, fine sand, topsoil SAND, light brown to dark brown, well graded, angular, dense, with gravel, and silt, fine sand	0.2
2					Bottom of borehole at 2.0 feet.	

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BORING B2902

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762246.905 ft **EASTING** 754559.862 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, light brown, moist, dense, fine sand, topsoil	
		100	SSHS-B2902-SUB-0.17-2		SAND, dark brown and gray, well graded, subangular, moist, medium dense, with gravel, fine to coarse sand	0.6
2					Bottom of borehole at 2.0 feet.	

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BORING B2903

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762247.754 ft **EASTING** 754528.221 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, light brown, moist, dense, fine sand, topsoil	
		100	SSHS-B2903-SUB-0.17-2		SANDY GRAVEL, light brown to dark brown, well graded, subangular, dense, with silt, fine to coarse sand	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2904

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762273.119 ft **EASTING** 754532.099 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	SSHS-B2904-SUB-0.17-2		SANDY SILT, light brown, moist, dense, roots, topsoil	0.1
					SAND, dark brown black, well graded, subangular, medium dense, with gravel, and silt, fine sand	
2					Bottom of borehole at 2.0 feet.	

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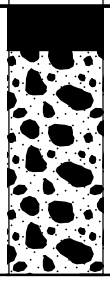
BORING B2906

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 761991.556 ft **EASTING** 754569.719 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 3 (0.17-2) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2906-SUB-0.17-2		ASPHALT SANDY GRAVEL, light brown to dark brown, well graded, subangular, moist, very dense, with clay, fine to coarse sand	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2907

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 761981.334 ft **EASTING** 754558.263 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2907-SUB-0.17-2		ASPHALT SANDY GRAVEL, light brown to dark brown, well graded, angular, moist, very dense, with clay, fine to coarse sand	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2911

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762312.933 ft **EASTING** 754554.858 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 2 (0.17-2) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, light brown, moist, dense, fine sand, topsoil	
		100	SSHS-B2911-SUB-0.17-2		SILTY SAND, light gray and brown, well graded, angular, moist, very dense, with gravel, fine to coarse sand	0.1
2					Bottom of borehole at 2.0 feet.	

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BORING B2913

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762374.455 ft **EASTING** 754542.873 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0			SSHS-B2913-SUB-0.17-2		SANDY SILT, brown to light brown, subrounded, with gravel, fine to coarse sand	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2914

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762343.862 ft **EASTING** 754547.333 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2914-SUB-0.17-2		SANDY GRAVEL, brown to dark brown, well graded, subangular, moist, loose, with clay, fine to coarse sand	
					SANDY GRAVEL, brown to dark brown, well graded, subangular, moist, dense, with clay, fine to coarse sand	0
2		79	SSHS-B2914-SUB-2-4		SAND, light brown and gray, well graded, angular, moist, medium dense, with gravel, and silt, fine to coarse sand	0
4					Bottom of borehole at 4.0 feet.	

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BORING B2921

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762326.479 ft **EASTING** 754524.164 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 2-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		100	SSHS-B2921-SUB-2-4		SILTY SAND, light brown to dark brown, well graded, subangular, moist, very dense, with gravel, fine to coarse sand, slight odor	0.4
4		100	SSHS-B2921-SUB-4-6		SANDY GRAVEL, dark brown and gray, well graded, subangular, moist, dense, fine to coarse sand	1.4
6					Bottom of borehole at 6.0 feet.	

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BORING B2927

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762006.883 ft **EASTING** 754587.202 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2927-SUB-0.17-2		ASPHALT SANDY GRAVEL, light brown and gray, well graded, subangular, moist, very dense, with clay, fine to coarse sand	0
2					Bottom of borehole at 2.0 feet.	

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BORING B2931

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762176.008 ft **EASTING** 754712.285 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 2-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4		75	SSHS-B2931-SUB-4-6		SANDY GRAVEL, light tan, well graded, subangular, moist, dense, fine to coarse sand SILTY SAND, dark brown to black, well graded, subangular, moist, medium dense	7.3
6					Bottom of borehole at 6.0 feet.	

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BORING B2932

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762170.929 ft **EASTING** 754736.803 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 2-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4		100	SSHS-B2932-SUB-4-6		SILTY SAND, light brown to dark brown, well graded, subangular, moist, medium dense, with gravel, fine to coarse sand	3.2
6					Bottom of borehole at 6.0 feet.	

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BORING B2933

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762195.96 ft **EASTING** 754711.802 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 6 (4-6) ft, Only logged from 2-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4		100	SSHS-B2933-SUB-4-6		SAND, light brown to reddish brown, fine grained, medium dense	0
6					SAND, dark brown to black, subangular, moist, dense, with gravel, fine to coarse sand	

Bottom of borehole at 6.0 feet.

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BORING B2938

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762251.496 ft **EASTING** 754643.39 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, light brown, moist, dense, fine sand, topsoil	
		100	SSHS-B2938-SUB-0.17-2		SILTY SAND, light gray to dark brown, well graded, subangular, moist, medium dense, with gravel, fine to coarse sand	6.6
2					Bottom of borehole at 2.0 feet.	

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BORING B2939

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762244.741 ft **EASTING** 754668.826 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 4 (0.17-2) ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B2939-SUB-0.17-2		SANDY SILT, light brown, moist, dense, fine sand, topsoil	
					SAND, dark brown and tan, well graded, subangular, moist, medium dense, with gravel, fine to coarse sand	0.1
2					Bottom of borehole at 2.0 feet.	

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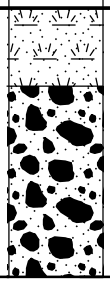
BORING B2940

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762232.258 ft **EASTING** 754726.048 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	SSHS-B2940-SUB-0.17-2		SANDY SILT, light brown, moist, dense, fine sand, topsoil SANDY GRAVEL, light gray and brown, subangular, moist, medium dense, with silt, fine to coarse sand	2.7
2					Bottom of borehole at 2.0 feet.	

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BORING B2941

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762243.991 ft **EASTING** 754707.797 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SANDY SILT, light brown, moist, dense, fine sand, topsoil	
		100	SSHS-B2941-SUB-0.17-2		SILTY SAND, brown to dark brown, subangular, moist, medium dense, with gravel, fine to coarse sand, crushed brick at 0.83'-0.92'	8
2					Bottom of borehole at 2.0 feet.	

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BORING B2952

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762325.043 ft **EASTING** 754592.068 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		100	SSHS-B2952		SAND, dark gray to light tan, well graded, subangular, moist, medium dense, with gravel, fine sand	1
4					Bottom of borehole at 4.0 feet.	

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BORING B2962

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/6/19 **COMPLETED** 11/6/19
NORTHING 762279.421 ft **EASTING** 754247.797 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 12-14 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4						
6						
8						
10						

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BORING B2962

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12		71	SSHS-B2962-SUB-12-14		SILTY SAND, light brown, well graded, subangular, moist, dense, with gravel, fine to coarse sand	0
14					Bottom of borehole at 14.0 feet.	

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BORING B2915

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/7/19 **COMPLETED** 11/7/19
NORTHING 762152.744 ft **EASTING** 754516.215 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		100	SSHS-B2915-SUB-2-4		SANDY GRAVEL, light brown, well graded, subangular, moist, dense, with silt, fine to coarse sand SAND, dark brown to black, well graded, subangular, coarse grained, moist, with clay SANDY GRAVEL, light tan, well graded, subangular, moist, loose, fine to coarse sand	0.5
4					Bottom of borehole at 4.0 feet.	

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BORING B2916

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/7/19 **COMPLETED** 11/7/19
NORTHING 762142.251 ft **EASTING** 754541.83 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		100	SSHS-B2916-SUB-2-4		SANDY GRAVEL, light brown to dark brown, well graded, angular, moist, dense, with clay, fine to coarse sand	0
					SAND, dark brown to black, well graded, subangular, moist, dense, with clay, staining on gloves	
4					SAND, light tan, well graded, subangular, moist, dense, and gravel, fine to coarse sand	
					Bottom of borehole at 4.0 feet.	

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BORING B2930

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/7/19 **COMPLETED** 11/7/19
NORTHING 762111.63 ft **EASTING** 754452.828 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2					SILTY SAND, light brown, well graded, subangular, moist, loose, with gravel, fine to coarse sand	
		100	SSHS-B2930-SUB-2-4		SANDY CLAY, brown, moist, medium plasticity, trace gravel, well graded gravel	0
4					Bottom of borehole at 4.0 feet.	

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BORING B2944

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/7/19 **COMPLETED** 11/7/19
NORTHING 762031.627 ft **EASTING** 754415.576 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 2-4 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		50	SSHS-B2944-SUB-2-4		SANDY GRAVEL, light brown and gray, well graded, angular, moist, dense, with clay, fine to coarse sand	0.4
4					Bottom of borehole at 4.0 feet.	

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BORING B2956

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/7/19 **COMPLETED** 11/7/19
NORTHING 762113.87 ft **EASTING** 754350.898 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged from 2-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2		88	SSHS-B2956-SUB-2-4		SANDY GRAVEL, dark brown to black, well graded, subrounded, moist, dense, fine to coarse sand	
					SAND, light tan to brown, well graded, subrounded, moist, with gravel, fine sand	0
4		100	SSHS-B2956-SUB-4-6		SANDY GRAVEL, light brown to dark brown, subangular, moist, medium dense, with silt, fine to coarse sand	
					SANDY CLAY, light brown, moist, non plastic, with gravel	0
6					Bottom of borehole at 6.0 feet.	

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BORING B2958

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/7/19 **COMPLETED** 11/7/19
NORTHING 762135.045 ft **EASTING** 754287.629 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 9 (4-6) ft, Only logged from 2-6 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4		67	SSHS-B2958-SUB-4-6		SANDY CLAY, brown to dark brown, wet, medium plasticity, trace gravel, fine sand, well graded gravel	0.3
					SANDY GRAVEL, light brown, well graded, subrounded, moist, dense, fine to coarse sand	
6					Bottom of borehole at 6.0 feet.	

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BORING B2959

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/7/19 **COMPLETED** 11/7/19
NORTHING 762172.706 ft **EASTING** 754253.841 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 10-12 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4						
6						
8						
10						

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BORING B2959

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		67	SSHS-B2959-SUB-10-12		SANDY GRAVEL, light brown, well graded, subangular, moist, dense, with clay, fine to coarse sand	
12					Bottom of borehole at 12.0 feet.	

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BORING B2960

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/7/19 **COMPLETED** 11/7/19
NORTHING 762199.812 ft **EASTING** 754259.9 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 10-12 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4						
6						
8						
10						

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BORING B2960

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SANDY GRAVEL, light brown, well graded, subangular, wet, dense, with clay, coarse sand	
		96	SSHS-B2960-SUB-10-12		SANDY GRAVEL, gray to light brown, well graded, subangular, wet, dense, with clay, coarse sand	6
12					Bottom of borehole at 12.0 feet.	

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BORING B2964

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/7/19 **COMPLETED** 11/7/19
NORTHING 762215.019 ft **EASTING** 754287.034 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 10-12 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4						
6						
8						
10						

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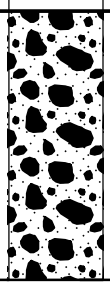
BORING B2964

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		63	SSHS-B2964-SUB-10-12		SANDY GRAVEL, light brown and gray, well graded, subangular, moist, dense, with silt, fine to coarse sand	0
12					Bottom of borehole at 12.0 feet.	

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BORING B2965

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/7/19 **COMPLETED** 11/7/19
NORTHING 762232.871 ft **EASTING** 754280.143 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 10-12 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4						
6						
8						
10						

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BORING B2965

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		58	SSHS-B2965-SUB-10-12		SANDY GRAVEL, light brown, well graded, subangular, moist, medium dense, with clay, fine to coarse sand	0
12					Bottom of borehole at 12.0 feet.	

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BORING B2977

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/7/19 **COMPLETED** 11/7/19
NORTHING 762194.155 ft **EASTING** 754217.578 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 10-14 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4						
6						
8						
10						

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BORING B2977

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		67	SSHS-B2977-SUB-10-12		SANDY GRAVEL, light brown, well graded, angular, moist, medium dense, with clay	0
12		58	SSHS-B2977-SUB-12-14			7.2
14					Bottom of borehole at 14.0 feet.	

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BORING B3296

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754946.183 ft **EASTING** 761776.805 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown, well graded, subangular	
		SSHS-B3296-SUB-0.17-2		Very dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, dark brown to black, well graded, subangular	0.8
2.5		SSHS-B3296-SUB-2-4		Soft, CLAY, with gravel, light brown to brown, some well graded, subangular fine sand	1.2
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3301

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754933.448 ft **EASTING** 761815.68 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium stiff, SILT, moist, light brown, high plasticity	
		SSHS-B3301-SUB-0.17-2		Very dense, SANDY GRAVEL, with clay, fine to coarse sand, brown orangeish brown and black, well graded, subangular	0.4
2.5		SSHS-B3301-SUB-2-4			1.1
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3306

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754881.109 ft **EASTING** 761840.432 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, trace sand, light brown	
		SSHS-B3306-SUB-0.17-2		Dense, SANDY GRAVEL, trace clay, fine to medium sand, moist, brown to black, well graded, subangular	0.7
2.5				Dense, SILTY SAND, with gravel, fine to coarse sand, moist, light brown to dark brown, well graded, subrounded	
		SSHS-B3306-SUB-2-4		Medium stiff, CLAY, trace gravel, moist, light brown to brown, well graded	0.3
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3312

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754939.013 ft **EASTING** 761910.356 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SILT, trace sand, moist, light brown	
		SSHS-B3312-SUB-0.17-2			0.5
				Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown to brown, well graded, subangular	
				Dense, SANDY GRAVEL, with clay, fine to coarse grained, moist, light brown, well graded, subangular	
2.5		SSHS-B3312-SUB-2-4			0
				Stiff, CLAY, trace gravel, light brown, well graded, subrounded, medium plasticity	
5.0		SSHS-B3312-SUB-4-6			0.5
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B3313

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754904.865 ft **EASTING** 761890.126 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 2'-6'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
2.5		SSHS-B3313-SUB-2-4		Dense, SANDY GRAVEL, with clay, fine to medium sand, moist, light brown to brown, well graded, subrounded	0.4
				Rock fragments, light tan, sandstone	
5.0		SSHS-B3313-SUB-4-6		Loose, SAND, with gravel, fine to medium sand, dark gray and brown, well graded, subangular	0.4
				Bottom of borehole at 6.0 feet.	
7.5					
10.0					

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BORING B3314

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754866.551 ft **EASTING** 761880.592 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 09 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SILT, moist, light brown	
		SSHS-B3314-SUB-0.17-2			0.5
				Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown and light gray, well graded	
2.5				Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, brown and black, well graded	
		SSHS-B3314-SUB-2-4			0.6
				Soft, CLAY, trace gravel, light brown to brown, medium plasticity, wet from 4.5'-4.75'	
5.0		SSHS-B3314-SUB-4-6			0.9
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B3317

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754956.45 ft **EASTING** 761966.331 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, moist, light brown	
		SSHS-B3317-SUB-0.17-2		Dense, SILT, with fine sand, light brown, well graded	0.9
2.5		SSHS-B3317-SUB-2-4		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown to brown, well graded, subangular	1
				Soft, CLAY, moist, light brown, medium plasticity, trace well graded subrounded gravel	
		SSHS-B3317-SUB-4-6		Soft, CLAY, trace gravel, moist, light brown, high plasticity	1
5.0				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B3318

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754920.017 ft **EASTING** 761946.511 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, with sand, moist, light brown	
		SSHS-B3318-SUB-0.17-2			0.6
				Dense, SAND, trace gravel, fine sand, moist, brown, well graded, subrounded	
				Stiff, CLAY, trace gravel, moist, brown, well graded, medium plasticity	
2.5		SSHS-B3318-SUB-2-4			0.4
		SSHS-B3318-SUB-4-6			0.4
5.0				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B3319

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754888.594 ft **EASTING** 761930.298 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 11 (0.17'-2')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, moist, light brown	
		SSHS-B3319-SUB-0.17-2		Very dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, brown, well graded, subangular	0.7
2.5		SSHS-B3319-SUB-2-4		Medium dense, SAND, with clay, gravel, fine to coarse sand, light gray to dark gray and brown, well graded, subangular	0.6
		SSHS-B3319-SUB-4-6		Very dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, dark brown to brown, well graded, subangular	0.6
5.0				Very stiff, CLAY, moist, light brown, high plasticity	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B3320

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754849.495 ft **EASTING** 761914.866 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Only logged 2'-6'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
2.5		SSHS-B3320-SUB-2-4		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown to brown, well graded, subrounded	0.9
				Medium dense, SANDY GRAVEL, fine to coarse grained, well graded, subangular	
				Stiff, CLAY, trace gravel, moist, light brown, high plasticity	
5.0		SSHS-B3320-SUB-4-6			1.1
				Medium dense, SANDY GRAVEL, fine to coarse grained, well graded, subangular	
				Bottom of borehole at 6.0 feet.	
7.5					
10.0					

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BORING B3321

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754981.47 ft **EASTING** 762017.296 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, moist, light brown	
		SSHS-B3321-SUB-0.17-2		Medium dense, SAND, with gravel, trace clay, fine to medium sand, light brown to black, well graded, subrounded	0.6
2.5		SSHS-B3321-SUB-2-4		Soft, CLAY, trace sand, moist, light brown, high plasticity	1.1
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3322

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754939.894 ft **EASTING** 762000.215 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very dense, SILT, moist, light brown	
		SSHS-B3322-SUB-0.17-2		Very dense, SAND, with gravel, fine sand, moist, dark brown and black, well graded, subrounded	0.6
				Medium dense, SAND, trace gravel, fine to medium sand, light brown and gray, well graded, subangular, rock fragments at 1.67'-1.79'	
2.5		SSHS-B3322-SUB-2-4		Very dense, SANDY GRAVEL, with clay, fine to coarse sand, light brown to brown, subangular	0.9
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3323

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754871.125 ft **EASTING** 762008.333 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SANDY SILT, moist, light brown	
		SSHS-B3323-SUB-0.17-2		Very stiff, CLAY, moist, brown, high plasticity	0
2.5		SSHS-B3323-SUB-2-4		Very dense, SANDY GRAVEL, with clay, fine to medium sand, moist, light brown to brown, well graded, subangular	0.9
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3324

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754830.399 ft **EASTING** 762022.485 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, SILT, moist, light brown to brown, high plasticity	
		SSHS-B3324-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, dark brown to brown, well graded, subangular	0.9
2.5		SSHS-B3324-SUB-2-4		Very dense, SILTY SAND, with gravel, fine sand, moist, light brown and light gray, well graded, subrounded	0.6
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3325

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 755041.846 ft **EASTING** 762087.963 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 14 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, trace sand, moist, light brown	
		SSHS-B3325-SUB-0.17-2		Loose, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown to dark tan, well graded, subangular, becomes wet at 2.75'	0.7
2.5		SSHS-B3325-SUB-2-4			
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3326

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754999.587 ft **EASTING** 762075.139 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very dense, SILT, moist, light brown	
		SSHS-B3326-SUB-0.17-2		Very dense, SANDY GRAVEL, trace clay, rock fragments, moist, dark brown and black, well graded, subangular	0
2.5		SSHS-B3326-SUB-2-4		Loose, SAND, with gravel, fine to medium sand, dark gray, well graded, subrounded	1.6
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3327

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 15 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, trace sand, roots, moist, light brown	
		SSHS-B3327-SUB-0.17-2		SILTY SAND, with gravel, fine to medium sand, light brown and light gray, well graded, subrounded	0.3
2.5		SSHS-B3327-SUB-2-4			0.8
		SSHS-B3327-SUB-4-6		Dense, SAND, with silt, trace gravel, fine to medium sand, moist, brown, well graded, subangular	0.7
5.0				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B3328

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754945.091 ft **EASTING** 762094.171 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, trace sand, roots, moist, light brown	
		SSHS-B3328-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, dark brown to black, well graded, subangular	0
				COBBLES, concrete fragments	
2.5		SSHS-B3328-SUB-2-4		SANDY GRAVEL, with silt, brown to dark brown	0.6
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3329

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754998.22 ft **EASTING** 762163.974 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, trace sand, moist, light brown, silver metal cuttings	
		SSHS-B3329-SUB-0.17-2		SILTY SAND, with gravel, fine to coarse sand, moist, brown, well graded, subangular	0.4
2.5		SSHS-B3329-SUB-2-4			0.4
				Medium dense, SILTY SAND, trace gravel, fine to medium sand, moist, brown, well graded, subrounded, brick fragments at 5.25'-5.33'	
5.0		SSHS-B3329-SUB-4-6			0
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B3330

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754979.338 ft **EASTING** 762194.836 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 16 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, trace sand, moist, light brown to brown	
		SSHS-B3330-SUB-0.17-2		SAND, with silt, trace gravel, moist, brown to light brown, well graded, subangular	0.6
2.5		SSHS-B3330-SUB-2-4		Very dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, brown to light brown, well graded, subangular	0.5
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3331

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754942.841 ft **EASTING** 762193.262 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, trace sand, moist, light brown	
		SSHS-B3331-SUB-0.17-2			0.2
				Very dense, SANDY GRAVEL, with clay, fine sand, moist, brown to light brown, well graded, subangular	
				Medium dense, SANDY GRAVEL, with clay, moist, light brown, well graded, subangular, brick fragments	
2.5					
		SSHS-B3331-SUB-2-4		Medium dense, SAND, coal, fine grained, black, subangular, brick fragments	0.5
				COBBLES, light gray, shale	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3332

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754972.047 ft **EASTING** 762164.279 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, trace sand, moist, light brown	
		SSHS-B3332-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown to brown, subangular	0.9
2.5		SSHS-B3332-SUB-2-4		Very dense, SILT, moist, light brown	0.6
				Dense, SAND, with gravel, fine to coarse grained, moist, brown, well graded, subangular	
		SSHS-B3332-SUB-4-6		SAND, and silt, with gravel, fine to coarse sand, moist, brown to light brown, well graded, subrounded	0.2
5.0				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B3333

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/19 **COMPLETED** 12/16/19
NORTHING 754929.359 ft **EASTING** 762133.09 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, trace sand, moist, light brown	
		SSHS-B3333-SUB-0.17-2		SAND, with gravel, fine to coarse sand, moist, light brown, well graded, subangular	0.6
2.5		SSHS-B3333-SUB-2-4		Stiff, SANDY CLAY, with gravel, fine to coarse sand, moist, light brown, well graded, subangular	
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3284

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755220.236 ft **EASTING** 761920.55 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3284-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse grained, moist, dark brown brown, well graded, subrounded	0.6
2.5		SSHS-B3284-SUB-2-4			1.1
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3285

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755199.937 ft **EASTING** 761876.799 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3285-SUB-0.17-2		Dense, SANDY GRAVEL, with silt, fine to coarse sand, brown and tan, well graded, subangular	0.6
2.5		SSHS-B3285-SUB-2-4		Very stiff, CLAY, moist, brown to light brown, with well graded subrounded gravel	1.6
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3286

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755160.166 ft **EASTING** 761897.11 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3286-SUB-0-2		SANDY CLAY, trace gravel, fine to medium sand, moist, brown to dark brown, well graded, angular	1.3
				Medium dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown to brownish orange, rounded	
2.5		SSHS-B3286-SUB-2-4		Stiff, CLAY, moist, brown, high plasticity	0.5
				Medium dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown to brownish orange, rounded	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3287

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755121.124 ft **EASTING** 761743.737 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown to brownish orange	
		SSHS-B3287-SUB-0.17-2		Medium dense, SILTY SAND, with gravel, fine to coarse sand, moist, brown, well graded, subrounded	0.9
				Dense, SILTY SAND, with gravel, fine to coarse sand, moist, brown, well graded, subrounded	
2.5		SSHS-B3287-SUB-2-4			1.2
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3288

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755097.163 ft **EASTING** 761776.592 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3288-SUB-0.17-2		Medium dense, SILTY SAND, trace gravel, fine to medium sand, moist, brown, well graded, subrounded	0.6
2.5		SSHS-B3288-SUB-2-4			0.4
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3289

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755092.644 ft **EASTING** 761752.594 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3289-SUB-0.17-2		Very dense, SANDY CLAY, with gravel, fine to coarse sand, moist, brown, well graded, subangular	0.7
2.5		SSHS-B3289-SUB-2-4		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown and gray, well graded, subangular	0.9
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3290

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755088.539 ft **EASTING** 761730.394 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, trace sand, moist, light brown	
		SSHS-B3290-SUB-0.17-2			1
				Stiff, CLAY, with fine to coarse sand, gravel, moist, brown, subrounded	
2.5		SSHS-B3290-SUB-2-4			0.9
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3291

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755126.812 ft **EASTING** 761804.651 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, trace sand, moist, light brown	
		SSHS-B3291-SUB-0.17-2		Medium dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, brown, well graded, subrounded	0.8
				Dense, SAND, with gravel, fine to coarse sand, moist, black, well graded, subangular	
2.5		SSHS-B3291-SUB-2-4		Medium dense, SANDY GRAVEL, fine to coarse sand, moist, light brown and gray, well graded, subangular	0
				Stiff, CLAY, moist, light brown, high plasticity, trace subangular gravel	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3292

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755107.995 ft **EASTING** 761837.666 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown, high plasticity	
		SSHS-B3292-SUB-0.17-2		Medium dense, SILTY GRAVEL, with fine to coarse sand, moist, brown, well graded, angular	1
2.5		SSHS-B3292-SUB-2-4		Dense, CLAY, with fine to coarse sand, with gravel, moist, brown dark brown and brownish orange, well graded, subangular	0
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3293

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 5 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, moist, light brown	
		SSHS-B3293-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown to dark brown, well graded, angular	0.7
2.5		SSHS-B3293-SUB-2-4		Dense, SAND, with gravel, and clay, fine to coarse sand, moist, brown to dark brown, well graded, subrounded	1.3
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3294

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755030.606 ft **EASTING** 761808.791 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown, high plasticity	
		SSHS-B3294-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, brown brownish orange and tan, well graded, subangular	0.3
2.5		SSHS-B3294-SUB-2-4		Medium dense, SILTY SAND, with gravel, fine to coarse sand, moist, black and brownish orange, well graded, subangular	0.5
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3295

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 754982.666 ft **EASTING** 761791.438 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3295-SUB-0.17-2		Medium dense, SILTY SAND, with gravel, fine to coarse sand, moist, dark brown and black, well graded	0
2.5		SSHS-B3295-SUB-2-4		Stiff, CLAY, moist, dark brown, high plasticity, with well graded subangular gravel	0.2
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3297

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755091.149 ft **EASTING** 761880.046 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, moist, light brown	
		SSHS-B3297-SUB-0.17-2		Dense, SANDY GRAVEL, with silt, fine to coarse sand, light brown and brown, well graded, subangular, crushed brick from 2.75'-2.83'	0.7
2.5		SSHS-B3297-SUB-2-4			0.6
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3298

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 6 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3298-SUB-0.17-2		Dense, SILTY SAND, with gravel, fine to coarse sand, moist, dark gray to dark brown, well graded, subangular	1.1
2.5		SSHS-B3298-SUB-2-4			1.4
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3299

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755010.664 ft **EASTING** 761845.211 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, moist, light brown	
		SSHS-B3299-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown and gray, well graded, subrounded	0.4
2.5		SSHS-B3299-SUB-2-4			0.5
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3300

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 754969.626 ft **EASTING** 761828.41 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 07 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, moist, light brown	
		SSHS-B3300-SUB-0.17-2		Medium dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, dark brown to brown, well graded, subangular, gray rock fragments 1.42'-1.67'	0.3
2.5		SSHS-B3300-SUB-2-4			0.8
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3302

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755113.049 ft **EASTING** 761934.152 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3302-SUB-0.17-2		Medium dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, brown light tan and gray, well graded, rounded	0.2
2.5		SSHS-B3302-SUB-2-4		Medium stiff, CLAY, trace gravel, moist, light brown, subrounded, medium plasticity	0.2
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3303

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755072.141 ft **EASTING** 761919.121 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, moist, light brown	
		SSHS-B3303-SUB-0.17-2		Medium dense, SILTY SAND, with gravel, fine to coarse sand, moist, brown brownish orange and gray, well graded, subrounded	0.3
2.5		SSHS-B3303-SUB-2-4			0.3
				Medium stiff, CLAY, with gravel, trace sand, moist, light brown, non plastic	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3304

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755035.268 ft **EASTING** 761904.965 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3304-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown to brown, well graded, subangular	0.3
2.5		SSHS-B3304-SUB-2-4			0.4
				Very stiff, CLAY, moist, brown, high plasticity	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3305

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 754993.936 ft **EASTING** 761884.408 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 13 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3305-SUB-0.17-2		Medium dense, SAND, and gravel, with clay, fine to coarse sand, moist, dark brown and gray, well graded, subangular	0.4
2.5		SSHS-B3305-SUB-2-4		COBBLES, rock fragments, gray	
				Medium dense, SAND, and gravel, with clay, fine to coarse sand, moist, brown, well graded, subangular	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3307

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 754841.696 ft **EASTING** 761831.042 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very dense, SILT, moist, light brown	
		SSHS-B3307-SUB-0.17-2			0
				SANDY GRAVEL, fine to coarse sand, moist, dark brown and dark gray, well graded, subangular	
2.5		SSHS-B3307-SUB-2-4			
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3308

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755092.185 ft **EASTING** 761974.091 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3308-SUB-0.17-2		Loose, SAND, with gravel, with clay, fine to coarse sand, moist, dark brown to black, subangular	0.1
				COBBLES, crushed red brick	
2.5		SSHS-B3308-SUB-2-4		Dense, SILTY SAND, trace gravel, fine to coarse sand, moist, brown to light brown, well graded, subrounded	0.1
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3309

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755053.405 ft **EASTING** 761957.831 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, moist, light brown	
		SSHS-B3309-SUB-0.17-2		Medium dense, SAND, with gravel, fine to medium sand, moist, light brown to brown, well graded	0.1
				COBBLES, crushed concrete	
				Stiff, CLAY, trace gravel, trace sand, moist, dark brown, high plasticity	
2.5		SSHS-B3309-SUB-2-4		Loose, SANDY GRAVEL, with clay, fine to coarse sand, moist, brown and gray, well graded, subangular	4.2
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3310

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755017.998 ft **EASTING** 761942.304 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, moist, light brown	
		SSHS-B3310-SUB-0.17-2		Very dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, brown to light brown, well graded, subangular	0.3
2.5		SSHS-B3310-SUB-2-4			2.2
				Stiff, CLAY, trace gravel, moist, brown to light brown, high plasticity	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3311

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 754980.002 ft **EASTING** 761923.593 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, trace sand, moist, light brown	
		SSHS-B3311-SUB-0.17-2		Medium dense, SILTY SAND, with gravel, fine to coarse sand, moist, dark brown and dark gray, well graded, angular	0
2.5		SSHS-B3311-SUB-2-4		Loose, SAND, with gravel, fine to medium sand, moist, dark gray and brown, well graded, subangular	0.2
5.0		SSHS-B3311-SUB-4-6		Medium stiff, CLAY, moist, light brown, medium plasticity	0.5
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B3315

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 754827.717 ft **EASTING** 761861.616 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3315-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, brown and gray, well graded, subangular	1.1
2.5		SSHS-B3315-SUB-2-4			1.9
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3316

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 754994.239 ft **EASTING** 761978.217 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown, high plasticity	
		SSHS-B3316-SUB-0.17-2		Loose, SANDY GRAVEL, with clay, fine to coarse sand, moist, black, well graded, subrounded	0
				Loose, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown and gray, well graded, subangular	
2.5		SSHS-B3316-SUB-2-4		Stiff, CLAY, moist, light brown, high plasticity	0.5
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3334

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755303.564 ft **EASTING** 762015.866 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 17 (0.17'-2')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3334-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown and tan, well graded, angular	0.7
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B3335

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755093.676 ft **EASTING** 762086.766 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 18 (0'-0.17')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3335-SUB-0.17-2		Loose, SANDY GRAVEL, with silt, fine to medium sand, moist, light brown and gray, well graded, subangular	0
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B3336

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755112.194 ft **EASTING** 762056.147 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 19 (0.17'-2')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3336-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, light brown and gray, well graded, angular	0.3
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B3337

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755101.842 ft **EASTING** 762025.722 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 20 (0.17'-2')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILT, moist, light brown	
		SSHS-B3337-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, dark brown, well graded, subrounded	0.2
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B3338

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755120.958 ft **EASTING** 761997.135 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 21 (0.17'-2')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
0.0				Dense, SILT, trace clay, light brown
		SSHS-B3338-SUB-0.17-2		Medium dense, SANDY GRAVEL, with clay, fine to coarse sand, brown to light brown, well graded, subrounded
				Bottom of borehole at 2.0 feet.
2.5				
5.0				
7.5				

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BORING B3340

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755281.385 ft **EASTING** 761976.766 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 22 (0.17'-2')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3340-SUB-0.17-2		Dense, SILTY SAND, with gravel, fine to coarse sand, brown, well graded, subangular	0.9
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B3341

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755311.568 ft **EASTING** 761980.598 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3341-SUB-0.17-2		Medium dense, SILT, moist, light brown	
				Medium dense, SILT, with sand, and gravel, fine to medium sand, moist, light brown, well graded, subangular	0.7
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B3342

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/17/19 **COMPLETED** 12/17/19
NORTHING 755269.273 ft **EASTING** 762005.587 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, moist, light brown	
		SSHS-B3342-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, brown, well graded, angular	0
2.5		SSHS-B3342-SUB-2-4			2
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3258

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755327.308 ft **EASTING** 761661.908 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				CLAYEY SILT, moist, brown, poorly graded, well rounded	
		SSHS-B3258-SUB-0.17-2		Medium dense, SAND, some gravel, fine to medium sand, moist, black, well graded, subangular	0.1
				Medium dense, SAND, with gravel, fine to medium sand, moist, light brown, well graded	
2.5		SSHS-B3258-SUB-2-4		SAND, coarse sand, light brown and black, well graded, subangular, with abundant gravel	0.2
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3261

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755314.702 ft **EASTING** 761674.747 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3261-SUB-0.17-2		Medium dense, SAND, dry to moist, black, well graded, subangular, abundant gravel	1.4
2.5					
5.0					
7.5					

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North
PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
12.5				Medium dense, SAND, dry to moist, black, well graded, subangular, abundant gravel *(continued)*	
15.0					
17.5					
20.0					

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BORING B3261

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5				Medium dense, SAND, dry to moist, black, well graded, subangular, abundant gravel *(continued)*	
				Bottom of borehole at 2.0 feet.	
25.0					
27.5					
30.0					
32.5					

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BORING B3262

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755300.401 ft **EASTING** 761648.797 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILTY SAND, dry to moist, dark brown to black, well graded, subangular, abundant gravel	
		SSHS-B3262-SUB-0.17-2		Loose, SAND, and gravel, dry to moist, light brown, well graded, subangular	0.1
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B3263

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755295.588 ft **EASTING** 761633.797 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Loose, CLAYEY SILT, moist, dark brown, poorly graded, well rounded	
		SSHS-B3263-SUB-0.17-2		Dense, SAND, with gravel, moist, brown, well graded, subangular	0.7
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B3266

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755339.607 ft **EASTING** 761944.308 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Only logged 12'-16'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
12.5		SSHS-B3266-SUB-12-14		SAND, fine to coarse sand, dry to moist, brown, well graded, subangular, abundant gravel	0.4
		SSHS-B3266-SUB-14-16		SAND, and gravel, medium to coarse sand, trace fine sand, wet, brown, subangular, well graded sand	0.2
15.0				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3267

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755301.877 ft **EASTING** 761925.576 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Only logged 12'-16'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
12.5		SSHS-B3267-SUB-12-14		Medium dense, SAND, coarse sand, dry to moist, brown, well graded, subangular, abundant gravel	0.1
		SSHS-B3267-SUB-14-16		Medium dense, SAND, fine to coarse sand, dry to moist, light brown to dark brown, well graded, rounded, abundant gravel	
15.0				SAND, coarse grained, wet, brown and orange, well graded, subangular, abundant gravel	0.2
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3268

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755316.589 ft **EASTING** 761886.905 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Loose, CLAY, dry to moist, dark brown, high plasticity	
		SSHS-B3268-SUB-0.17-2			0.3
				CLAY, sand, some construction debris, brown	
				Medium dense, SAND, some gravel, fine to medium grained, light brown, well graded, subangular	
2.5				Medium dense, SAND, gravel with rock fragments, fine to coarse grained, dry to moist, light brown, well graded, subangular	
		SSHS-B3268-SUB-2-4			0.2
5.0					
7.5		NOT SAMPLED 4'-12'			

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BORING B3268

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0					
12.5		SSHS-B3268-SUB-12-14		GRAVEL, highly weathered sandstone fragments GRAVEL, with silt, fine sand, wet, well graded, well rounded	0.3
15.0		SSHS-B3268-SUB-14-16			0.1
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3269

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755349.24 ft **EASTING** 761870.219 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium stiff, CLAY, some gravel, some fine sand, moist, brown, medium plasticity	
		SSHS-B3269-SUB-0.17-2		Very stiff, CLAY, moist, brown, high plasticity	0.3
				Medium dense, GRAVEL, coarse sand, dry to moist, gravel diameter up to 5"	
2.5		SSHS-B3269-SUB-2-4		Very stiff, CLAY, with gravel, coarse sand, moist, high plasticity	0.4
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3270

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755368.461 ft **EASTING** 761773.36 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				CLAYEY SILT, moist, brown, poorly graded, well rounded	
		SSHS-B3270-SUB-0.17-2		SILTY SAND, with gravel, fine to medium sand, moist, brown, well graded, subangular	0.1
				SAND, medium to coarse sand, dry to moist, well graded, subangular, with abundant gravel, trace brick fragments	
2.5		SSHS-B3270-SUB-2-4		CLAY, moist, brown, high plasticity	0.1
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3271

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755352.134 ft **EASTING** 761813.589 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILTY SAND, fine sand, moist, brown, poorly graded, well rounded	
		SSHS-B3271-SUB-0.17-2		SAND, fine to coarse sand, with gravel, construction debris, light brown to dark brown, well graded, subangular	0.1
				SILTY SAND, fine sand, moist, black, well graded, subangular	
2.5		SSHS-B3271-SUB-2-4		Very dense, SAND, medium to coarse grained, light brown, well graded, subangular, with abundant gravel	0.1
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3272

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755316.133 ft **EASTING** 761793.359 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES MS/MSD (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				CLAYEY SILT, moist, brown, poorly graded, well rounded	
		SSHS-B3272-SUB-0.17-2		SAND, fine to coarse grained, dry to moist, dark brown to black, well graded, subangular, with abundant gravel, trace brick fragments	0.1
				SAND, fine to coarse grained, dry to moist, brown, well graded, with abundant subangular gravel	
2.5		SSHS-B3272-SUB-2-4		Stiff, CLAY, moist, brown, high plasticity	0.1
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3273

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755332.98 ft **EASTING** 761759.227 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILTY SAND, dry to moist, light brown, well graded, well rounded, trace brick fragments and wood	
		SSHS-B3273-SUB-0.17-2			0.2
2.5		SSHS-B3273-SUB-2-4		Medium dense, SAND, and gravel, dry to moist, well graded, subangular	0.1
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3274

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755294.939 ft **EASTING** 761835.362 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				SAND, coarse grained, dry to moist, light brown, well graded, subangular, some black sand, abundant gravel	0.0
		SSHS-B3274-SUB-0.17-2		Stiff, CLAY, moist, brown, high plasticity, construction debris 0.67'-0.83'	1
2.5		SSHS-B3274-SUB-2-4		CLAY, some gravel, moist, light brown, medium plasticity	2.5
					0.4
				Stiff, CLAY, some coarse sand, moist, dark brown, high plasticity, well graded, subangular light brown sand	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3275

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755259.976 ft **EASTING** 761816.895 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES 4'-5' interval logged but not sampled or included in PID measurement

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very stiff, CLAY, moist, brown, high plasticity	
				SAND, dry to moist, brown, well graded, subangular, abundant 0.5" diameter gravel	
		SSHS-B3275-SUB-0.17-2		SAND, coarse grained, dry to moist, black, well graded, subangular	1
				SAND, trace gravel, dry to moist, light brown, well graded, subangular	
				Very stiff, CLAY, moist, brown, high plasticity	
				Very stiff, CLAY, trace silt, moist, light brown, high plasticity	
2.5		SSHS-B3275-SUB-2-4		CLAY, with gravel, coarse sand, moist, black, medium plasticity, well graded, subangular to angular sand and gravel	1.4
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3276

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755274.084 ft **EASTING** 761777.545 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Dup (2'-4'), (4'-6')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium stiff, CLAY, moist, brown, high plasticity	
		SSHS-B3276-SUB-0.17-2		COBBLES, some gravel, coarse sand, clay, brick fragments	0.2
				Very dense, SAND, fine to medium grained, moist, dark brown and black, well graded, well rounded	
				SAND, some gravel, fine to coarse grained, brown, well graded, some brick fragments	
2.5		SSHS-B3276-SUB-2-4		SAND, some gravel, fine to coarse grained, brown, well graded	
				SAND, some gravel, some silt, some clay, fine to coarse grained, brown, well graded	0.1
				CLAY, moist, brown, high plasticity	
		SSHS-B3276-SUB-4-6		CLAY, moist, light brown, high plasticity	0.2
5.0				Stiff, CLAY, some gravel, moist, light brown	
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B3277

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755297.849 ft **EASTING** 761738.498 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Only logged 2'-6'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
2.5		SSHS-B3277-SUB-2-4		Medium dense, SAND, dry to moist, brown to black, well graded, subangular, abundant gravel	0.2
5.0		SSHS-B3277-SUB-4-6		Medium dense, SILTY SAND, moist, dark brown to black	0.2
				Bottom of borehole at 6.0 feet.	
7.5					
10.0					

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BORING B3278

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755281.294 ft **EASTING** 761733.622 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, CLAYEY SILT, moist, light brown, well graded, subrounded	
		SSHS-B3278-SUB-0.17-2			0.1
				Medium dense, SAND, moist, black, well graded, subangular	
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B3279

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755256.094 ft **EASTING** 761735.972 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Only logged 2'-6'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
2.5		SSHS-B3279-SUB-2-4		Loose, SAND, with fine gravel, coarse sand, dry to moist, black, well graded, subangular	0.3
				CLAYEY SILT, dry to moist, dark brown, poorly graded, low plasticity, stiff clay	
				Loose, SAND, fine to coarse grained, moist, black, well graded, subangular	
		SSHS-B3279-SUB-4-6		Loose, SAND, fine to medium grained, moist, light brown, poorly graded, well rounded, abundant gravel	0.2
5.0				Loose, SAND, medium to coarse grained, dry to moist, light brown, well graded, subangular, abundant gravel	
				Bottom of borehole at 6.0 feet.	
7.5					
10.0					

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BORING B3280

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755235.809 ft **EASTING** 761757.286 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES MS/MSD (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very stiff, CLAY, moist, brown, high plasticity	
		SSHS-B3280-SUB-0.17-2		SANDY SILT, with fine sand, gravel, moist, brown, well graded	0.2
				SAND, fine grained, moist, black, well graded, subangular, with abundant fine gravel	
				SAND, medium to coarse grained, moist, black, well graded, subangular, trace brick and wood fragments	
2.5		SSHS-B3280-SUB-2-4		SANDY SILT, fine sand, with gravel, moist, dark brown, well graded	0.1
				CLAYEY SILT, moist, dark brown to black, poorly graded, well rounded	
		SSHS-B3280-SUB-4-6		SAND, fine to coarse grained, moist, light brown, well graded, rounded, with abundant gravel	0.2
5.0				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B3281

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755209.782 ft **EASTING** 761803.287 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY J.T. **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, CLAY, moist, brown, medium plasticity	
				GRAVEL, about 2" diameter	
		SSHS-B3281-SUB-0.17-2		SAND, with gravel, dry to moist, light brown, well graded, angular	0.8
				Loose, SAND, dry to moist, black, well graded, subangular	
				Medium dense, SAND, dry to moist, black, well graded, subangular	
2.5					2.5
		SSHS-B3281-SUB-2-4		SAND, with gravel, dry to moist, light brown, well graded, subangular	1.2
				CLAY, with silt, trace sand, moist, brown, well graded, subrounded	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3282

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755171.722 ft **EASTING** 761786.477 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				CLAYEY SILT, moist, light brown, poorly graded, medium plasticity	
		SSHS-B3282-SUB-0.17-2		SAND, with gravel, brown, well graded, up to 2" diameter	0.8
				Medium dense, SAND, dry to moist, black, well graded, subangular	
				SILT, dry to moist, light brown, well graded, subangular	
2.5		SSHS-B3282-SUB-2-4		Very stiff, SILTY CLAY, with sand, moist, light brown, high plasticity	1.1
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3283

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/18/19 **COMPLETED** 12/18/19
NORTHING 755200.268 ft **EASTING** 761762.823 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium stiff, SILTY CLAY, moist, brown, high plasticity	
		SSHS-B3283-SUB-0.17-2		SAND, medium to coarse grained, moist, black, well graded, subangular, abundant gravel, trace brick fragments	0.2
				SAND, medium to coarse grained, moist, black, well graded, subangular, with brick fragments	
2.5		SSHS-B3283-SUB-2-4		SAND, medium to coarse grained, dry to moist, light brown, well graded, subangular, abundant gravel	0.2
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3241

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755443.277 ft **EASTING** 761644.522 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3241-SUB-0.17-2		Medium dense, SILTY SAND, moist, brown, poorly graded	1
				GRAVEL	
2.5		SSHS-B3241-SUB-2-4		Medium dense, GRAVELLY SAND, dry to moist, brown, well graded, subangular	1
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3242

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755429.123 ft **EASTING** 761675.139 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Dup 3 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3242-SUB-0.17-2		Medium dense, SILTY SAND, trace gravel, fine sand, moist, brown, poorly graded	1
2.5		SSHS-B3242-SUB-2-4		Medium dense, SAND, coarse grained, dry to moist, brown, well graded, subangular	3.8
5.0		SSHS-B3242-SUB-4-6		Medium dense, GRAVELLY SAND, dry to moist, brown, well graded, subangular	1.6
				Bottom of borehole at 6.0 feet.	
7.5					

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BORING B3243

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755421.946 ft **EASTING** 761721.147 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Only logged 4'-6'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION
5.0		SSHS-B3243-SUB-4-6		Dense, SILTY SAND, moist, brown, well graded
				Bottom of borehole at 6.0 feet.
7.5				
10.0				
12.5				

5.0

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BORING B3244

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755481.589 ft **EASTING** 761537.047 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILTY SAND, moist, brown, subangular	
		SSHS-B3244-SUB-0.17-2		Loose, GRAVELLY SAND, moist, black, well graded, subangular	0.6
2.5		SSHS-B3244-SUB-2-4		Medium dense, GRAVELLY SAND, dry to moist, black, well graded, subangular	0.5
5.0		NOT SAMPLED 4'-6'			
		SSHS-B3244-SUB-4-6		Medium dense, GRAVELLY SAND, dry to moist, brown, well graded, subangular	0.7
7.5		SSHS-B3244-SUB-6-8		Medium dense, GRAVELLY SAND, dry to moist, brown, well graded, subangular	0.7

Bottom of borehole at 10.0 feet.

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BORING B3245

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755449.063 ft **EASTING** 761580.353 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILTY SAND, fine sand, moist, poorly graded	
		SSHS-B3245-SUB-0.17-2		Medium dense, GRAVELLY SAND, moist, brown, well graded, subangular	0.7
2.5		SSHS-B3245-SUB-2-4			0.7
5.0		NOT SAMPLED 4'-6'			
				Medium dense, GRAVELLY SAND, dry to moist, brown, well graded, subangular	
		SSHS-B3245-SUB-6-8			0.5
7.5					
		SSHS-B3245-SUB-8-10			0.4

Bottom of borehole at 10.0 feet.

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BORING B3246

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755431.44 ft **EASTING** 761517.534 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILTY SAND, fine grained, moist, brown	
		SSHS-B3246-SUB-0.17-2		Medium dense, GRAVELLY SAND, moist, dark brown and black, well graded, subangular	0.2
2.5		SSHS-B3246-SUB-2-4		Medium dense, GRAVELLY SAND, moist, light brown, well graded, subangular	0.5
5.0		NOT SAMPLED 4'-6'			
		SSHS-B3246-SUB-4-6		Medium dense, GRAVELLY SAND, dry to moist, brown, well graded, subangular	0.6
7.5		SSHS-B3246-SUB-6-8		Loose, GRAVELLY SAND, dry to moist, brown, well graded, subangular	1

Bottom of borehole at 10.0 feet.

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BORING B3247

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755424.271 ft **EASTING** 761564.444 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Dup 04 (0'-0.17'), 05 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILTY SAND, fine sand, moist, brown, poorly graded, well rounded	
		SSHS-B3247-SUB-0.17-2		Dense, SAND, moist, brown and black, well graded	0.4
2.5		SSHS-B3247-SUB-2-4		Dense, SAND, moist, brown and black, well graded, subangular	0.7
5.0		NOT SAMPLED 4'-6'			
		SSHS-B3247-SUB-6-8		Medium dense, GRAVELLY SAND, moist, well graded, subangular	0.6
7.5		SSHS-B3247-SUB-8-10		Loose, GRAVELLY SAND, dry to moist, brown, well graded, subangular	1.2

Bottom of borehole at 10.0 feet.

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BORING B3248

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755381.535 ft **EASTING** 761507.034 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
		SSHS-B3248-SUB-0.17-2		Medium dense, SILTY SAND, trace gravel, moist, brown, well graded, subangular	0.2
				Very dense, GRAVELLY SAND, moist, dark brown, well graded, subangular	
2.5				Loose, SAND, fine grained, moist, black, poorly graded, well rounded	
		SSHS-B3248-SUB-2-4		Very stiff, CLAY, moist, brown and black, high plasticity	0.6
				Very dense, GRAVELLY SAND, dry to moist, red and brown, well graded, subangular	
2.5					
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3249

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755055.11 ft **EASTING** 761868.01 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Dup 06 (0'-0.17'), 02 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILTY SAND, fine sand, moist, brown, poorly graded	
		SSHS-B3249-SUB-0.17-2		Loose, SAND, trace gravel, moist, black, well graded, subangular	0.5
2.5		SSHS-B3249-SUB-2-4		Medium dense, GRAVELLY SAND, dry to moist, well graded, subangular	0.7
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3250

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755374.857 ft **EASTING** 761539.273 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
		SSHS-B3250-SUB-0.17-2		Medium dense, SILTY SAND, moist, well graded, subangular	0.5
				Loose, SAND, moist, black, well graded, subangular	
2.5		SSHS-B3250-SUB-2-4		Dense, GRAVELLY SAND, moist, light brown, well graded, subangular	0.5
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3251

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755362.769 ft **EASTING** 761514.906 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Loose, SILTY SAND, fine grained, moist, brown, well rounded	
		SSHS-B3251-SUB-0.17-2		Dense, SAND, moist, brown, well graded	0.4
2.5		SSHS-B3251-SUB-2-4		Loose, SAND, and gravel, moist, black, well graded	0.5
				Dense, SAND, and gravel, moist, brown	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3252

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755364.097 ft **EASTING** 761587.003 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Dup 08 (0'-0.17'), 09 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY SAND, fine sand, moist, brown, subangular	
		SSHS-B3252-SUB-0.17-2		Loose, GRAVELLY SAND, moist, brown and black, subangular	0.2
2.5		SSHS-B3252-SUB-2-4		Dense, SAND, with gravel, moist, brown and black, subangular	0.6
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3253

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755345.406 ft **EASTING** 761522.88 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
		SSHS-B3253-SUB-0.17-2		Dense, SILTY SAND, some gravel, fine sand, moist, light brown, well graded, subangular	0.6
				Dense, SAND, and gravel, moist, brown, well graded, subangular	
2.5		SSHS-B3253-SUB-2-4		Loose, SAND, some gravel, moist, black, well graded, subangular	
				Medium dense, SAND, and gravel, dry to moist, well graded, subangular	0.4
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3254

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755365.464 ft **EASTING** 761679.547 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES MS/MSD 01 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY SAND, fine sand, moist, well graded, subangular, gravel at 0.67'-0.83'	
		SSHS-B3254-SUB-0.17-2			0.6
				Dense, GRAVELLY SAND, moist, black and brown, well graded	
				Dense, SAND, moist, dark brown and black, well graded, subangular	
2.5		SSHS-B3254-SUB-2-4			0.4
				GRAVEL, some coarse sand	
				Dense, GRAVELLY SAND, moist, light brown, well graded, subangular	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3255

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755342.641 ft **EASTING** 761614.245 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES MS/MSD 02 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILTY SAND, fine sand, moist, brown, poorly graded, subangular	
		SSHS-B3255-SUB-0.17-2		Loose, SAND, moist, black, well graded, subangular	0.6
				Loose, GRAVELLY SAND, dry to moist, brown, well graded, subangular	
2.5		SSHS-B3255-SUB-2-4			0.6
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3256

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755318.441 ft **EASTING** 761562.228 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Dup 10 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILTY SAND, moist, brown, well graded, subangular	
		SSHS-B3256-SUB-0.17-2		Medium dense, SAND, and gravel, moist, light brown, well graded, subangular	0.2
				Medium dense, SAND, with gravel, moist, black, well graded, subangular	
2.5		SSHS-B3256-SUB-2-4		Dense, SAND, dry to moist, light brown, well graded, subangular	0.5
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3257

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755323.371 ft **EASTING** 761530.707 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
		SSHS-B3257-SUB-0.17-2		Medium dense, SILTY SAND, with gravel, fine sand, moist, light brown, well graded, subangular	0.6
2.5		SSHS-B3257-SUB-2-4		Medium dense, SAND, with gravel, moist, black, well graded, subangular	
				Dense, SAND, and gravel, dry to moist, light brown, well graded, subangular	0.6
2.5					
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3259

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755312.373 ft **EASTING** 761609.032 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY SAND, moist, brown, well graded, subangular, frozen	
		SSHS-B3259-SUB-0.17-2		Medium dense, SAND, moist, black, well graded, subangular	0.4
				Dense, SAND, and gravel, moist, light brown, well graded	
2.5		SSHS-B3259-SUB-2-4		Dense, SAND, and gravel, coarse sand, moist, brown, well graded, subangular sand	0.2
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3260

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/19/19 **COMPLETED** 12/19/19
NORTHING 755289.087 ft **EASTING** 761540.228 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SILTY SAND, moist, brown, well graded, subangular, frozen	
		SSHS-B3260-SUB-0.17-2		Loose, SILTY SAND, some gravel, moist, black, well graded, subangular, plastic fragments	0.4
				Medium dense, SAND, and gravel, moist, brown, well graded, subangular	
				Medium dense, SILTY SAND, fine sand, moist, dark brown to black, well graded, subangular	
2.5		SSHS-B3260-SUB-2-4		Medium dense, SAND, and gravel, moist, brown	0.3
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING LOG

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Boring ID STI-B 3092
Project No. MN0832C
Project Name Former Scott Technologies Site
Location STCC - Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Richl Jacob
Rig type 6620DT Geoprobe

Geologist JC
Drilling Method Direct Push
Borehole Dia. 2"
Depth to Water 17'
Date 12/20/19
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	4.7	1430	Terra Core and TPH samples taken From 16' to 17' interval. Water Table around 17' Poorly Sorted Subangular Sand w/ abundant gravel brown moist, Dense				

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BORING B3225

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755749.583 ft **EASTING** 761865.993 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY SAND, fine sand, moist, light brown, poorly graded, topsoil	
				Dense, SAND, with gravel, moist, brown, well graded, subangular	
		SSHS-B3225-SUB-0.17-2			4.6
2.5		SSHS-B3225-SUB-2-4			1.9
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3226

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755733.094 ft **EASTING** 761888.456 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY SAND, fine sand, moist, brown, well graded, well rounded, topsoil	
		SSHS-B3226-SUB-0.17-2		Dense, SAND, with gravel, moist, black, well graded, subangular	15.5
2.5		SSHS-B3226-SUB-2-4		Dense, SAND, moist, black, well graded, subangular	4.8
				Dense, SAND, with gravel, medium to coarse sand, moist, brown, well graded	
4.0				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3227

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755701.423 ft **EASTING** 761886.225 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY SAND, fine sand, moist, brown, poorly graded	
		SSHS-B3227-SUB-0.17-2		Dense, SAND, coarse sand, moist, well graded, subangular, abundant gravel	3.8
2.5		SSHS-B3227-SUB-2-4			4.1
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3228

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755718.291 ft **EASTING** 761860.05 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY SAND, fine sand, moist, brown, well graded, topsoil	
		SSHS-B3228-SUB-0.17-2		Dense, SAND, with gravel, fine to coarse sand, moist to wet, brown, well graded	5.8
2.5		SSHS-B3228-SUB-2-4		Dense, SAND, moist, brown, well graded, abundant subangular gravel	3.5
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3229

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755607.131 ft **EASTING** 761739.731 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3229-SUB-0.17-2		Dense, SAND, with gravel, moist, black, well graded, subangular, trace brick fragments	3.5
2.5		SSHS-B3229-SUB-2-4		Dense, SILTY SAND, fine to coarse sand, moist, brown and black, well graded, subangular	4.9
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3230

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755593.599 ft **EASTING** 761770.402 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY SAND, fine sand, moist, light brown, poorly graded, topsoil	
		SSHS-B3230-SUB-0.17-2		Dense, SAND, some gravel, fine to coarse sand, moist, brown, well graded, subangular	0.1
2.5		SSHS-B3230-SUB-2-4		Dense, SILTY SAND, fine sand, moist to wet, brown, well graded	8.1
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3231

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755561.033 ft **EASTING** 761759.754 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY SAND, fine sand, moist, brown, poorly graded, topsoil	
		SSHS-B3231-SUB-0.17-2		Dense, SAND, moist, brown, well graded, with abundant subangular gravel	2.5
				Dense, SAND, moist to wet, black, well graded, subangular	
2.5				Dense, SILTY SAND, fine to coarse sand, moist to wet, brown, well graded, subangular	
		SSHS-B3231-SUB-2-4		Dense, SAND, coarse grained, moist, brown, poorly graded, subangular	3.2
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3232

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755582.301 ft **EASTING** 761738.037 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Only logged 2'-6', Dup 01 (2'-4'), 02 (4'-6')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
2.5		SSHS-B3232-SUB-2-4		Dense, SILTY SAND, fine sand, moist, brown, well rounded, topsoil	
				Dense, SAND, coarse sand, moist, dark brown, well graded, with abundant gravel	0.1
5.0		SSHS-B3232-SUB-4-6		Dense, SANDY GRAVEL, fine to medium sand, moist, dark brown and light gray, subangular gravel	0.3
				Bottom of borehole at 6.0 feet.	
7.5					
10.0					

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BORING B3233

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755592.685 ft **EASTING** 761685.497 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, CLAY, moist, light brown, high plasticity	
		SSHS-B3233-SUB-0.17-2		Dense, SILTY GRAVEL, with fine sand, moist, brown to dark brown, well graded, subangular	0
2.5		SSHS-B3233-SUB-2-4		Dense, SILTY SAND, with gravel, fine to coarse sand, moist, light brown and dark brown, well graded, subangular	0.4
5.0		NOT SAMPLED 4'-6'			
				Medium dense, SANDY GRAVEL, coarse sand, light gray, well graded	
		SSHS-B3233-SUB-6-8		Dense, SAND, medium sand, brown, poorly graded, subrounded	0.1
7.5				Dense, SAND, with gravel, fine to coarse sand, moist, light gray and brown, well graded	
		SSHS-B3233-SUB-8-10			0

Bottom of borehole at 10.0 feet.

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BORING B3234

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755571.479 ft **EASTING** 761724.806 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Refusal at 5'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, CLAY, with fine sand, moist, light brown, medium plasticity	
		SSHS-B3234-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, dark brown, well graded	0
2.5		SSHS-B3234-SUB-2-4		Medium dense, SAND, with gravel, fine to medium sand, dark brown, well graded, subangular	0
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3235

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755528.418 ft **EASTING** 761696.754 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium stiff, CLAY, moist, light brown, high plasticity	
		SSHS-B3235-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, brown to light brown, well graded, subangular	0.3
2.5		SSHS-B3235-SUB-2-4		Soft, CLAY, with fine sand, moist, light brown and dark brown, medium plasticity	0.8
5.0		NOT SAMPLED 4'-6'			
		SSHS-B3235-SUB-6-8		Loose, SANDY GRAVEL, with clay, fine to medium sand, moist, dark brown and gray, well graded, angular to subangular gravel	0.9
7.5				Soft, CLAY, moist, light brown, medium plasticity	
		SSHS-B3235-SUB-8-10		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, dark brown, subangular	0.5

Bottom of borehole at 10.0 feet.

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BORING B3236

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755552.491 ft **EASTING** 761663.799 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, fine sand, moist, light brown	
		SSHS-B3236-SUB-0.17-2		Dense, GRAVEL, with silt, and fine to medium sand, moist, light brown to dark brown, well graded, subangular	0
2.5		SSHS-B3236-SUB-2-4		Very dense, CLAY, with fine to coarse sand, gravel, moist, brown, well graded, subangular	0
5.0		NO SAMPLE 4'-6'			
		SSHS-B3236-SUB-6-8		Very dense, SAND, fine to coarse grained, moist, brown, well graded, subangular, abundant gravel	0.2
7.5				Dense, SAND, medium grained, moist, brown, well graded, subangular, abundant gravel	
		SSHS-B3236-SUB-8-10		Dense, SAND, coarse grained, moist, poorly graded	0

Bottom of borehole at 10.0 feet.

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BORING B3237

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755494.791 ft **EASTING** 761774.613 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY SAND, fine sand, moist, brown, poorly graded, topsoil	
		SSHS-B3237-SUB-0.17-2			3.7
				Dense, SAND, with gravel, fine to coarse sand, moist, brown, well graded, subangular	
				Dense, SILTY SAND, some gravel, fine sand, moist, well graded, subangular	
2.5		SSHS-B3237-SUB-2-4			5.7
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3238

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755487.304 ft **EASTING** 761820.947 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILTY SAND, fine sand, moist, brown, well graded, topsoil	
		SSHS-B3238-SUB-0.17-2		Dense, SAND, with gravel, some silt, moist, well graded, subangular	4.7
2.5		SSHS-B3238-SUB-2-4		Dense, SAND, some gravel, fine to coarse sand, moist, well graded, subangular	4.2
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3239

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755441.583 ft **EASTING** 761798.035 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Loose, SILTY SAND, moist, brown, poorly graded, topsoil	
		SSHS-B3239-SUB-0.17-2			0.2
				Medium dense, GRAVELLY SAND, dry to moist, brown, well graded, subangular	
				Loose, SAND, moist, dark brown, well graded, subangular	
2.5				Soft, SILTY CLAY, moist, brown, high plasticity	
		SSHS-B3239-SUB-2-4			0.3
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3240

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 755459.78 ft **EASTING** 761762.981 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Loose, SILTY SAND, moist, brown, well graded, subangular	
		SSHS-B3240-SUB-0.17-2			0.1
				Medium dense, GRAVELLY SAND, moist, brown, well graded, subangular	
				Dense, SAND, moist, dark brown to black, well graded	
2.5		SSHS-B3240-SUB-2-4			0
				Dense, SILT, trace fine sand, moist, brown, poorly graded, well rounded	
4.0				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3343

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 12/20/19 **COMPLETED** 12/20/19
NORTHING 754928.322 ft **EASTING** 762216.177 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY JC **CHECKED BY** DRAFT
NOTES Only logged 6'-14'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
7.5		SSHS-B3343-SUB-6-8		Dense, SAND, with gravel, fine to coarse sand, moist, brown, well graded, subangular	3.5
		SSHS-B3343-SUB-8-10		Medium dense, SAND, with gravel, fine to coarse sand, dry, light brown, well graded, subangular	3.3
10.0		SSHS-B3343-SUB-10-12		Dense, SAND, with gravel, fine to coarse sand, dry, light brown, well graded, subangular	2.7
12.5		SSHS-B3343-SUB-12-14		Dense, SAND, with gravel, fine to coarse sand, some silt, moist, light brown, well graded, subangular, hydrocarbon odor	12.4
				Bottom of borehole at 14.0 feet.	
15.0					

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BORING B3100

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/20 **COMPLETED** 1/13/20
NORTHING 754943.042 ft **EASTING** 761741.123 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 01 (0.17'-2'). No lab samples collected below 14'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very loose, SANDY GRAVEL, fine to coarse sand, moist, black, well graded, subangular, asphalt and sub-base	
		SSHS-B3100-SUB-0.17-2		Medium dense, SAND, with gravel, coarse sand, moist, brown to dark brown, well graded, subangular	3
2.5		SSHS-B3100-SUB-2-4		Very loose, SAND, with gravel, moist, black, well graded, subrounded	2
		SSHS-B3100-SUB-4-6		Loose, SAND, with gravel, fine to coarse sand, moist, light brown, well graded, subangular	1.1
5.0					
		SSHS-B3100-SUB-6-8			3
7.5					
		SSHS-B3100-SUB-8-10		Dense, SAND, with gravel, fine to coarse sand, trace silt, moist, light brown to dark brown, well graded	0.7

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BORING B3100

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Medium dense, SAND, trace gravel, fine to medium grained, dry, light brown, subrounded	
		SSHS-B3100-SUB-10-12			0.6
				Dense, SAND, with gravel, fine to coarse sand, moist, light brown to brown, well graded, subrounded, water table at 15'	
12.5		SSHS-B3100-SUB-12-14			0.4
		SSHS-B3100-SUB-14-16			
15.0				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3101

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/20 **COMPLETED** 1/13/20
NORTHING 754886.544 ft **EASTING** 761765.172 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 02 (0.17'-2'), No lab samples collected below 14'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very loose, SAND, and gravel, fine to coarse sand, well graded, subangular, asphalt and subbase	
		SSHS-B3101-SUB-0.17-2		Medium dense, SANDY GRAVEL, moist, light brown, well graded, angular	0.7
2.5				Dense, SAND, trace gravel, fine to coarse grained, moist, black, well graded, subrounded	
		SSHS-B3101-SUB-2-4		Dense, SILTY SAND, with gravel, moist, light brown and gray, well graded, subangular	0.4
		SSHS-B3101-SUB-4-6		Dense, SILTY SAND, with gravel, moist, light brown, well graded, subangular	0.7
5.0					
		SSHS-B3101-SUB-6-8		SANDY GRAVEL, fine to coarse sand, moist, brown, well graded, subangular, wet from 7.25'-7.83'	0.4
7.5					
		SSHS-B3101-SUB-8-10			0.3

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BORING B3101

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3101-SUB-10-12		Loose, SAND, trace gravel, trace coarse sand, moist, brown, well graded, subrounded	0.9
12.5		SSHS-B3101-SUB-12-14		SAND, with gravel, moist, light brown, well graded, subangular	0.5
15.0		SSHS-B3101-SUB-14-16		Medium dense, SAND, trace gravel, fine to medium grained, light brown, well graded, subrounded, clay from 14.75'-15.08', water table at 14'	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3102

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/20 **COMPLETED** 1/13/20
NORTHING 754829.893 ft **EASTING** 761787.2 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 03 (0.17'-2'). No lab samples collected below 14'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very loose, SANDY GRAVEL, moist, black, well graded, subangular, asphalt and sub-base	
		SSHS-B3102-SUB-0.17-2		Dense, SANDY GRAVEL, with silt, fine to coarse sand, moist, light brown and gray, well graded, subangular	0.6
2.5		SSHS-B3102-SUB-2-4		Dense, SILTY SAND, trace gravel, moist, brown to light brown, well graded, subrounded	0.5
5.0		SSHS-B3102-SUB-4-6		Loose, SAND, with gravel, fine to medium sand, moist, dark brown to brown, well graded, subrounded	0.8
		SSHS-B3102-SUB-6-8		Medium dense, SAND, with gravel, fine to medium sand, moist, brown, well graded, subangular	0.7
7.5		SSHS-B3102-SUB-8-10		Loose, SANDY GRAVEL, moist, light brown and gray, well graded, subangular	1.1

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BORING B3102

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, GRAVEL, with sand, moist, light brown and gray, well graded, subangular to subrounded, wet at 14'	
		SSHS-B3102-SUB-10-12			0.8
12.5		SSHS-B3102-SUB-12-14			
				Dense, SAND, trace gravel, medium grained, brown, poorly graded, rounded, water table at 14'	
15.0		SSHSB3102-SUB-14-16			
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3103

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/20 **COMPLETED** 1/13/20
NORTHING 754774.618 ft **EASTING** 761806.946 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 01 (6'-8'), No lab samples collected below 16'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3103-SUB-0.17-2		Very loose, SAND, with gravel, dark gray and black, well graded, subangular	0.3
2.5		SSHS-B3103-SUB-2-4		Medium dense, SANDY GRAVEL, moist, light brown, well graded, subangular, crushed concrete from 2.75'-3.25'	
5.0		SSHS-B3103-SUB-4-6		Medium dense, SAND, with gravel, moist, brown, well graded, subangular	0.3
7.5		SSHS-B3103-SUB-6-8		Dense, SANDY GRAVEL, fine to coarse sand, moist, light brown, well graded	0.2
		SSHS-B3103-SUB-8-10			0.3

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BORING B3103

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3103-SUB-10-12		Loose, SANDY GRAVEL, fine grained, moist, light brown and light gray, well graded, subangular	0.3
12.5		SSHS-B3103-SUB-12-14		SAND, with gravel, fine to medium sand, moist, light brown, well graded, subangular	0.5
15.0		SSHS-B3103-SUB-14-16			
		SSHS-B3103-SUB-16-18		Medium dense, GRAVEL, trace sand, brown, well graded, subrounded, water table at 16'	
17.5					
				Bottom of borehole at 18.0 feet.	
20.0					

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BORING B3104

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/20 **COMPLETED** 1/13/20
NORTHING 754923.909 ft **EASTING** 761687.882 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 04 (0.17'-2'). No lab samples below 14'.

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3104-SUB-0.17-2		Very loose, SANDY GRAVEL, fine to coarse sand, dry, asphalt	
				SANDY GRAVEL, fine to coarse sand, moist, brown to dark brown and gray, well graded	
2.5		SSHS-B3104-SUB-2-4		Medium dense, SILTY SAND, with gravel, fine to coarse sand, moist, light brown to dark brown, well graded, subangular	0.3
5.0		SSHS-B3104-SUB-4-6		Medium dense, SILTY SAND, with gravel, fine to coarse sand, moist, light brown, well graded, subangular	0.5
		SSHS-B3104-SUB-6-8		Dense, SILTY SAND, with gravel, fine to coarse sand, moist, light brown, well graded, subangular	0.2
7.5		SSHS-B3104-SUB-8-10		Medium dense, SAND, with gravel, fine to medium sand, dry, light brown and light gray, well graded, subangular	0.5

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BORING B3104

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3104-SUB-10-12		Loose, SAND, with gravel, fine to medium sand, dry, light brown and tan, well graded, subangular	0.7
12.5		SSHS-B3104-SUB-12-14		Loose, SAND, with gravel, fine to medium sand, dry to moist, light brown and tan, well graded, subangular, moist from 13.33'-14', wet at 15'	0.6
15.0				Dense, SANDY GRAVEL, fine to coarse grained, moist, brown, well graded, subangular, Water table at 15' ▽	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3105

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/20 **COMPLETED** 1/14/20
NORTHING 754865.473 ft **EASTING** 761708.811 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 05 (0.17'-2'), No lab samples collected below 14'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very loose, SANDY GRAVEL, moist, black, well graded, asphalt and sub-base	
		SSHS-B3105-SUB-0.17-2		Medium dense, SAND, gravel, fine to medium sand, moist, brown to dark brown, well graded, subrounded	
2.5		SSHS-B3105-SUB-2-4		Loose, SAND, trace gravel, fine to medium grained, moist, black, well graded, subrounded	1.3
				Dense, SILTY SAND, with gravel, fine to coarse sand, light brown, well graded, subangular	
5.0		SSHS-B3105-SUB-4-6		Dense, SILTY SAND, with gravel, fine to coarse sand, moist, light brown to brown, well graded, subangular	0.7
		SSHS-B3105-SUB-6-8		Loose, SANDY GRAVEL, fine to medium sand, moist, brown and light gray and black, well graded, angular	0.8
7.5		SSHS-B3105-SUB-8-10		Loose, SAND, with gravel, fine to medium sand, moist, brown and light tan, well graded, subangular	0.6

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BORING B3105

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SAND, with gravel, fine to medium sand, moist, brown and light tan, well graded, subangular *(continued)*	
		SSHS-B3105-SUB-10-12			0.7
12.5		SSHS-B3105-SUB-12-14			1.1
		SSHS-B3105-SUB-14-16		Loose, SAND, with gravel, fine to medium sand, moist, brown and light tan, well graded, subangular, water table at 14'	
15.0					
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3106

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/20 **COMPLETED** 1/14/20
NORTHING 754809.022 ft **EASTING** 761730.015 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 06 (0.17'-2'), No lab samples collected below 14'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very loose, SANDY GRAVEL, moist, black, well graded, asphalt and sub-base	
		SSHS-B3106-SUB-0.17-2		Dense, SILTY SAND, with gravel, fine to coarse sand, moist, light brown to brown, well graded, subangular	
2.5		SSHS-B3106-SUB-2-4		Loose, SAND, with gravel, fine to medium sand, moist, light brown, well graded, subrounded	0.9
		SSHS-B3106-SUB-4-6		Loose, SAND, with gravel, fine sand, moist, brown and black, well graded, subrounded	1
5.0		SSHS-B3106-SUB-6-8			0.6
7.5		SSHS-B3106-SUB-8-10		Loose, SAND, trace gravel, medium grained, moist, light brown, poorly graded, subrounded	0.4

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BORING B3106

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3106-SUB-10-12		Loose, SAND, with gravel, fine to coarse sand, moist, brown, well graded, subangular	0.6
12.5		SSHS-B3106-SUB-12-14		Medium dense, SAND, with gravel, fine to coarse sand, moist, light brown and gray, well graded, crushed rock at 13.5'-13.75'	0
15.0		SSHS-B3106-SUB-14-16		Medium dense, SAND, with gravel, fine to coarse sand, light brown and gray, well graded, water table at 14.67'	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3108

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/20 **COMPLETED** 1/14/20
NORTHING 754898.495 ft **EASTING** 761630.979 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 08 (017'-2'), No lab samples collected below 14'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, CLAY, moist, brown	
		SSHS-B3108-SUB-0.17-2		Dense, SILTY SAND, with gravel, fine to coarse sand, moist, dark brown, well graded, subangular	0.1
2.5		SSHS-B3108-SUB-2-4			0.2
				Dense, SILTY SAND, with gravel, fine to coarse sand, moist, brown to dark brown, well graded, subangular	
5.0		SSHS-B3108-SUB-4-6			0.1
				Loose, SAND, with gravel, fine to medium sand, moist, light brown and brown, well graded, subrounded	
		SSHS-B3108-SUB-6-8			0.4
7.5					
		SSHS-B3108-SUB-8-10			0.4

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BORING B3108

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SAND, trace gravel, fine to medium sand, light brown to brown, well graded, subangular	
		SSHS-B3108-SUB-10-12		Dense, SAND, with clay, fine sand, wet, brown, poorly graded	0.2
12.5		SSHS-B3108-SUB-12-14		Dense, SANDY GRAVEL, fine to coarse sand, moist, light brown, well graded, subangular, water table at 15.75'	0.1
15.0		SSHS-B3108-SUB-14-16			
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3113

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/20 **COMPLETED** 1/14/20
NORTHING 754717.157 ft **EASTING** 761635.042 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 13 (0.17'-2'), No lab samples collected below 14'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, CLAY, moist, light brown, high plasticity	
		SSHS-B3113-SUB-0.17-2		Dense, SILTY SAND, with gravel, moist, brown to light brown, well graded, subangular	0
2.5		SSHS-B3113-SUB-2-4			0
		SSHS-B3113-SUB-4-6		Very dense, SANDY GRAVEL, with silt, fine to coarse sand, moist, dark brown, well graded, subangular, wet from 6'-8'	0
5.0					
		SSHS-B3113-SUB-6-8			0
7.5					
		SSHS-B3113-SUB-8-10			0

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BORING B3113

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3113-SUB-10-12		Medium dense, SAND, with gravel, fine to medium sand, moist, brown and light gray, well graded, subangular	0
12.5		SSHS-B3113-SUB-12-14		Medium dense, SAND, with gravel, fine to coarse gravel, moist, light brown and light tan, well graded, subangular to subrounded, wet at 15'	0
15.0		SSHS-B3113-SUB-14-16		Loose, SANDY GRAVEL, with clay, fine to coarse sand, wet, brown, well graded, subangular to subrounded, water table at 15'	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3117

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/20 **COMPLETED** 1/14/20
NORTHING 754757.29 ft **EASTING** 761589.278 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD 03 (4'-6'), No lab samples collected below 14'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, CLAY, roots, moist, brown, high plasticity	
		SSHS-B3117-SUB-0.17-2		Dense, SILTY SAND, with gravel, fine to coarse sand, moist, light brown, well graded, subangular	0.2
2.5		SSHS-B3117-SUB-2-4			0.2
		SSHS-B3117-SUB-4-6			0.4
5.0				Very loose, SANDY GRAVEL, fine to coarse sand, moist, brown, well graded, subangular	
		SSHS-B3117-SUB-6-8			0.4
7.5				Loose, SILTY SAND, with gravel, fine to coarse sand, moist, dark brown, well graded, subangular	
		SSHS-B3117-SUB-8-10			0.4

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BORING B3117

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SILTY SAND, with gravel, fine to coarse sand, moist, dark brown, well graded, subangular *(continued)*	
		SSHS-B3117-SUB-10-12			0.6
				Dense, SANDY GRAVEL, fine to coarse sand, moist, brown and light gray, well graded, subangular, water table at 15.5'	
12.5		SSHS-B3117-SUB-12-14			0.3
15.0		SSHS-B3117-SUB-14-16			
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3183

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/20 **COMPLETED** 1/14/20
NORTHING 754769.576 ft **EASTING** 761750.788 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 57 (2'-4'), No lab samples collected below 14'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very loose, SANDY GRAVEL, moist, black, well graded, subangular, asphalt and sub-base	
		SSHS-B3183-SUB-0.17-2		Dense, SAND, with gravel, fine to coarse sand, moist, dark brown and brown, well graded, subangular	
2.5		SSHS-B3183-SUB-2-4		Very loose, SAND, with gravel, fine to coarse sand, moist, black and dark brown, well graded, subrounded	0.3
				Dense, SILTY SAND, moist, dark red and brown, well graded, subangular, crushed brick	
5.0		SSHS-B3183-SUB-4-6		Dense, SAND, with gravel, fine to coarse sand, moist, dark brown to light brown, well graded, subangular	0
		SSHS-B3183-SUB-6-8			0.1
7.5				Loose, SAND, trace gravel, medium grained, moist, light brown and brown, poorly graded, subrounded, wet at 9.67'-10'	
		SSHS-B3183-SUB-8-10			0.2

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BORING B3183

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SAND, trace gravel, medium grained, moist, light brown and brown, poorly graded, subrounded, wet at 9.67'-10' *(continued)*	
		SSHS-B3183-SUB-10-12		Medium dense, SAND, with gravel, fine to coarse sand, moist, black light brown and tan, well graded, subangular	0.5
12.5		SSHS-B3183-SUB-12-14			0
		SSHS-B3183-SUB-14-16		Loose, SAND, trace gravel, fine to medium sand, moist, light brown, well graded, subrounded, water table at 15'	
15.0				Loose, SANDY GRAVEL, fine to coarse sand, wet, brown, well graded	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3184

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/20 **COMPLETED** 1/14/20
NORTHING 754768.664 ft **EASTING** 761725.161 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 58 (2'-4')

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
		SSHS-B3184-SUB-0.17-2		Stiff, CLAY, moist, brown, high plasticity	0.2
				Medium dense, SILTY SAND, with gravel, fine to coarse sand, moist, brown and gray, well graded, subangular	
2.5		SSHS-B3184-SUB-2-4			0.2
		SSHS-B3184-SUB-4-6			0.9
5.0					
		SSHS-B3184-SUB-6-8		Dense, SANDY GRAVEL, with silt, fine to coarse sand, moist, brown and light brown, well graded, subangular	0.5
7.5					
		SSHS-B3184-SUB-8-10		Dense, SAND, with gravel, fine to medium sand, moist, brown, well graded, subrounded	0.6

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BORING B3184

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Dense, SILTY SAND, with gravel, fine to coarse sand, moist, brown, well graded, subangular, crushed concrete from 13.33'-13.67', wet at 15.5'	
		SSHS-B3184-SUB-10-12			0.6
12.5		SSHS-B3184-SUB-12-14			
				Dense, SANDY GRAVEL, fine to coarse sand, moist, light brown and gray, well graded, subangular, water table at 15.5'	
15.0		SSHS-B3184-SUB-14-16			
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3107

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/15/20 **COMPLETED** 1/15/20
NORTHING 754956.701 ft **EASTING** 761611.231 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 07 (0.17'-2'). No lab samples below 14'.

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, CLAY, with sand, moist, brown, non plastic	
		SSHS-B3107-SUB-0.17-2		Loose, SAND, medium grained, moist, white, poorly graded, rounded	0.7
				Dense, SANDY GRAVEL, fine to coarse sand, moist, dark brown, well graded, subangular	
				Loose, SAND, medium grained, moist, white, poorly graded, rounded	
2.5		SSHS-B3107-SUB-2-4		Very dense, SANDY GRAVEL, with silt, fine to coarse sand, moist, brown, well graded, subangular	0.6
		SSHS-B3107-SUB-4-6			0.8
5.0					
		SSHS-B3107-SUB-6-8		Dense, SAND, with gravel, fine to coarse sand, moist, brown, well graded, subangular	0.9
7.5					
		SSHS-B3107-SUB-8-10		Loose, SAND, with gravel, fine to medium sand, dry, brown and light tan, subangular, crushed concrete from 10.58'-10.92'	0.4

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BORING B3107

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SAND, with gravel, fine to medium sand, dry, brown and light tan, subangular, crushed concrete from 10.58'-10.92' *(continued)*	
		SSHS-B3107-SUB-10-12			0.3
				Dense, SANDY GRAVEL, fine to coarse sand, moist, light brown and gray, well graded, subangular	
12.5		SSHS-B3107-SUB-12-14			0.6
				Becomes Water table at 15'	
15.0				Dense, SANDY GRAVEL, wet, well graded, Angular to subangular	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3109

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/15/20 **COMPLETED** 1/15/20
NORTHING 754845.697 ft **EASTING** 761650.178 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 09 (0.17'-2'). No lab samples below 14'.

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very loose, SANDY GRAVEL, fine to coarse sand, well graded, asphalt and sub-base	
		SSHS-B3109-SUB-0.17-2		CLAY, with fine to coarse sand, brown, medium plasticity, well graded subangular sand and gravel	0
2.5		SSHS-B3109-SUB-2-4		Dense, SILTY SAND, with gravel, fine to coarse sand, dark gray to brown, well graded, angular to subangular, wet from 3.08'-4'	1
5.0		SSHS-B3109-SUB-4-6		Dense, SILTY GRAVEL, with fine to coarse sand, moist, brown, well graded, subangular to subrounded	0.6
		SSHS-B3109-SUB-6-8		Very dense, CLAYEY GRAVEL, with fine to coarse sand, wet, brown, well graded, subrounded	0.7
7.5		SSHS-B3109-SUB-8-10		Dense, SILTY SAND, with gravel, fine to coarse sand, moist, brown, well graded, subangular	0.8

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BORING B3109

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3109-SUB-10-12		Medium dense, SANDY GRAVEL, fine to coarse sand, dry, brown to light brown, well graded, subangular	0.3
				Very loose, SAND, medium grained, moist, brown, poorly graded, subrounded	
12.5		SSHS-B3109-SUB-12-14		Loose, SAND, with gravel, fine to medium sand, dry, light brown, well graded, angular to subangular, wet at 15'	1.2
15.0				Dense, SANDY GRAVEL, fine to coarse grained, wet, brown, well graded, angular to subangular, water table at 15'	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3110

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/15/20 **COMPLETED** 1/15/20
NORTHING 754783.351 ft **EASTING** 761673.94 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 10 (0.17'-2'). No lab samples below 14'.

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
		SSHS-B3110-SUB-0.17-2		Loose, SAND, medium grained, orangeish brown and brown, poorly graded, subrounded, increasing silt 1.08'-1.33'	0.1
				Very dense, SILT, with fine to coarse sand, and gravel, dark brown, well graded, subangular	
2.5		SSHS-B3110-SUB-2-4		Medium dense, SILTY SAND, with gravel, fine to coarse sand, moist, brown, well graded, subangular	0.6
5.0		SSHS-B3110-SUB-4-6			0.6
		SSHS-B3110-SUB-6-8		Loose, SILTY SAND, with gravel, fine to coarse sand, moist, brown, well graded, subangular	0.7
7.5					
		SSHS-B3110-SUB-8-10		Loose, SAND, with gravel, fine to coarse sand, dry, light brown and brown, well graded, subangular to subrounded, fine sand from 9.08'-9.5'	0.4

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BORING B3110

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, SAND, with gravel, fine to coarse sand, dry, light brown and brown, well graded, subangular to subrounded, fine sand from 9.08'-9.5' *(continued)*	
		SSHS-B3110-SUB-10-12		Dense, SAND, with gravel, fine to coarse sand, moist, brown, well graded, subangular	0.8
12.5		SSHS-B3110-SUB-12-14		Dense, SAND, with gravel, fine to coarse sand, moist, brown, well graded, subangular	0.5
				▽ Very loose, COBBLES, wet, gray and brown, rounded	
15.0					
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3111

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/15/20 **COMPLETED** 1/15/20
NORTHING 754932.514 ft **EASTING** 761553.981 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 11 (0.17'-2'). No lab samples below 14'.

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium stiff, CLAY, with sand, roots, brown, medium plasticity	
		SSHS-B3111-SUB-0.17-2		Dense, SANDY GRAVEL, moist, brown and gray, well graded, angular to subangular	0
				Loose, SAND, medium grained, moist, white, poorly graded, rounded	
2.5		SSHS-B3111-SUB-2-4		Loose, SAND, trace gravel, fine to medium sand, moist, light brown and orangeish brown, poorly graded, subangular to subrounded	0.5
		SSHS-B3111-SUB-4-6		Dense, SANDY GRAVEL, with silt, fine to coarse sand, moist, brown and gray, well graded, subangular	0.5
5.0					
		SSHS-B3111-SUB-6-8			0.3
7.5					
		SSHS-B3111-SUB-8-10		Dense, SAND, trace gravel, fine to medium sand, moist, brown, poorly graded, subangular to subrounded	0.4

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BORING B3111

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3111-SUB-10-12		Dense, SAND, with gravel, fine to coarse sand, moist, brown and gray, well graded, subangular	0.8
12.5		SSHS-B3111-SUB-12-14		Very dense, SANDY GRAVEL, fine to coarse sand, moist, light brown and light gray, well graded, subangular	0.6
15.0				Loose, SANDY GRAVEL, fine to coarse grained, wet, brown, well graded, subangular to subrounded, water table at 15'.	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3112

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/15/20 **COMPLETED** 1/15/20
NORTHING 754820.631 ft **EASTING** 761592.805 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 12 (0.17'-2'). No lab samples below 14'.

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Very loose, SANDY GRAVEL, fine to coarse sand, dry, well graded, subangular, asphalt and sub-base	
		SSHS-B3112-SUB-0.17-2		Dense, SANDY GRAVEL, with clay, fine to coarse sand, moist, brown, well graded, subangular	0.1
2.5		SSHS-B3112-SUB-2-4		Very dense, SILTY SAND, with gravel, fine to coarse sand, moist, dark brown and black, well graded, subangular	4.7
5.0		SSHS-B3112-SUB-4-6		Very dense, SILTY SAND, with gravel, fine to coarse sand, moist, brown, well graded, subangular	0.6
7.5		SSHS-B3112-SUB-6-8			0.5
		SSHS-B3112-SUB-8-10		Loose, SAND, with gravel, fine to coarse sand, dry, light brown and gray, well graded, subangular	0.4

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BORING B3112

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Dense, SANDY GRAVEL, with silt, fine to coarse sand, dry, light gray and brown, well graded, subangular	
		SSHS-B3112-SUB-10-12			0.3
12.5		SSHS-B3112-SUB-12-14		Dense, SANDY GRAVEL, with silt, fine to coarse sand, moist, light gray and brown, well graded, subangular	0.6
15.0				Dense, SILTY GRAVEL, with sand, fine to coarse grained, saturated, brown and gray, well graded, rounded, Water table at 15'	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3116

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/15/20 **COMPLETED** 1/15/20
NORTHING 754878.528 ft **EASTING** 761534.7 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 15 (8'-10'). No lab samples below 14'.

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Stiff, CLAY, trace sand, moist, brown, medium plasticity	
		SSHS-B3116-SUB-0.17-2		Dense, SILTY SAND, with clay, fine to coarse sand, moist, brown and gray, well graded, subangular	0
2.5		SSHS-B3116-SUB-2-4			0.4
		SSHS-B3116-SUB-4-6		Dense, SANDY GRAVEL, with silt, fine to coarse sand, moist, light brown and gray, well graded, subangular	0.4
5.0					
		SSHS-B3116-SUB-6-8			0.4
7.5					
		SSHS-B3116-SUB-8-10		Loose, SAND, with coarse gravel, and fine to medium sand, moist, brown and gray, well graded, subangular to angular, increasing silt from 10.75'-11.08'	0.3

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BORING B3116

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3116-SUB-10-12		Loose, SAND, with coarse gravel, and fine to medium sand, moist, brown and gray, well graded, subangular to angular, increasing silt from 10.75'-11.08' *(continued)*	0.4
				Very loose, SANDY GRAVEL, fine to coarse sand, moist, brown, well graded, subrounded to rounded	
12.5		SSHS-B3116-SUB-12-14		COBBLES, crushed concrete	0.3
				Dense, SAND, with gravel, fine to coarse sand, moist, light brown, well graded, subangular	
15.0				SAND, trace gravel, trace coarse sand, fine to medium grained, moist, brown, subrounded, Medium graded, fill, water table at 15' ▽	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3118

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/15/20 **COMPLETED** 1/15/20
NORTHING 754643.714 ft **EASTING** 761639.825 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup 16 (0.17'-2'). No lab samples below 14'.

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				CLAY, with sand, moist, brown, medium plasticity	
		SSHS-B3118-SUB-0.17-2		Dense, SILTY SAND, with gravel, fine to coarse sand, moist, brown to dark brown, well graded, subangular	0
2.5		SSHS-B3118-SUB-2-4		Dense, SANDY GRAVEL, fine to coarse sand, moist, brown, well graded, subangular	0.1
5.0		SSHS-B3118-SUB-4-6		Dense, SANDY GRAVEL, fine to medium sand, moist to wet, brown, well graded, subangular	0.4
		SSHS-B3118-SUB-6-8		Medium dense, SAND, with gravel, fine to coarse sand, moist, brown, well graded, subangular	0.3
7.5		SSHS-B3118-SUB-8-10		Loose, GRAVELLY SAND, fine to coarse sand, moist, dark brown, well graded, subangular	
				Dense, GRAVELLY SAND, fine to coarse sand, moist, light brown, well graded, subangular	0.1

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Dense, GRAVELLY SAND, fine to coarse sand, moist, light brown, well graded, subangular *(continued)*	
		SSHS-B3118-SUB-10-12		Medium dense, SAND, with coarse gravel, and fine to coarse sand, moist, brown and gray, well graded, subangular	0.4
12.5		SSHS-B3118-SUB-12-14		Dense, SAND, medium grained, moist, brown, poorly graded, subrounded	0.1
15.0				Loose, SAND, with gravel, fine to coarse grained, moist, brown, well graded, subangular, Water table at 15.5' ▽	
				Loose, SANDY GRAVEL, fine to coarse grained, wet, well graded, subrounded	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING LOG

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Boring ID	SSHS-B 3459	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	14'
Drilling Co.	Cascade	Date	7/27/20
Driller/helper(s)	Blake & Jeff	MS/MSD	06 0.17-2
Rig type	7720 DT	Duplicate	

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
(SP)	~~1.9~~ 1.6	950	0-9" Light brown sandy gravel. Very loose. Fill. Dry. Poorly sorted. Sub angular 9-24" Brown silt w/ clay and sand. Very stiff. Moist. Non plastic, Fine sand,	24	24	P, V, T S, M	
2	7.6						2
	5.1	955	0-24" Brown to dark brown and black sandy gravel w/ silt. Dense. Poorly sorted. Fill. Sub angular. Moist.	24	24	P, S, M	
4	1.8	1000	0-24" Light tan to brown fine sand w/ gravel. Loose. Poorly sorted. Sub rounded gravel. Dry.	24	24	P, M	4
6	1.5	1005	0-24" SAA	24	24	P, M	6
8	1.8	1010	0-20" SAA. Crushed brick from 16-20"	24	20	P, M	8
10							10

BORING LOG

Project No. MN0832G

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
10	0.0	1015	0-24" Light brown to brown fine to medium Sand w/ gravel. Loose. Moist. Poorly sorted. Sub angular.	24	24	P,M	10
12							12
	6.2	1020	0-24" SAA. wet @ 14'	24	24	P,J T,M	
14			EOB @ 14'				14
16							16
18							18
20							20
22							22
24							24

BORING LOG

Geosyntec consultants

Boring ID SSHS-B 3461
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake & Jeff
Rig type 7720 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water 14'
Date ~~7/21/20~~ 7/27/2020
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
0	5.4	1040	0-4" Light grey gravel. Fill. Loose. Poorly sorted. Sub angular. Dry.	24	16	P, VT	0
(SP)	~~4.8~~		4-16" Brown silt w/ clay. Trace sand. Stiff. ~~Moist~~. Damp (SP)			S, M	
			Non plastic. Fine sand.				
2							2
	5.6	1045	0-24" Light brown to dark brown and grey. Sandy gravel w/ clay. Dense. Fill. Poorly sorted. Sub angular. Fine to medium sand. ~~Moist~~ Damp (SP)	24	24	P, S, M	
4							4
	22	1050	0-19" Brown & Black Fine Sand w/ gravel. Loose. Poorly sorted. Sub rounded. ~~Moist~~ Fill. Crushed brick 11-15" Damp (SP)	24	19	P, M, V, S	
6							6
	3.6	1055	0-19" Grey and brown gravel w/ sand. Dry. Angular to sub angular. Poorly sorted. Loose. Fine to coarse sand.	24	19	P, M	
8							8
	0.0	1100	0-11" SAA	24	19	P, M	
			11-19" Brown and grey medium sand w/ gravel. Fill. Damp - Poorly sorted. Dense. Sub angular				
10							10

BORING LOG

Project No. MN0832G

Geosyntec consultants

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
10	10.9		0-24" SAA.	24	24	P,M	10
(SP)	~~0.3~~	1105				V	
12							12
			0-24" SAA. wet @ 14'	24	24	P,V	
	1.8	1110				T,M	
14							14
			EOB @ 14'				
16							16
18							18
20							20
22							22
24							24

BORING LOG

Geosyntec consultants

Boring ID SSHS-B 3464
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Jeff
Rig type 7720 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water 10'
Date 7/27/20
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
	25.1	1130	0-6" Light grey gravel. Fill. Loose. Dry. Angular. 6-24" Brown silt w/ clay. very stiff. Damp. Non plastic.	24	24	P, V, T S, M	
2	73.5	1135	0-22" Light brown and grey gravel w/ sand. Sub angular. Damp. Poorly sorted. Loose. Fine to coarse Sand.	24	22	P, S, M V	2
4	25.8	1140	0-9" Light grey sandy gravel. Fill. Dry. Poorly sorted. Sub angular. Dense. Fine to coarse sand. 9-16" Brown and Dark brown. Gravel w/ coarse sand. Fill. Poorly sorted. Dense, Damp.	24	16	P, M V, S	4
6	0.8	1145	0-26" Brown and grey clay w/ gravel, wet. Poorly sorted. Firm. Sub angular. Semi-plastic.	24	20	P, M	6
8	1.7	1150	0-18" Brown and light grey sand w/ gravel. Fine to coarse sand. Loose. Sub angular. Damp. 18-21" wet. Fine sand. well sorted. Medium dense	24	21	P, V T, M	8
10							10

EOB @ 10' Drilled 10-12'. Sample wet.

BORING LOG

Geosyntec consultants

Boring ID SSHS-B 3472
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Jeff
Rig type 7726 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water 12'
Date 7/27/20
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
	5.4	1410	0-8" Sidewalk subbase. light grey gravel w/ fine sand. very loose. Poorly sorted. Fill. Angular 8-18" Brown to dark brown fine and medium sand w/ gravel. Dense. Poorly sorted. Damp. Sub angular.	24	18	P, V, T S, M	
2							2
	4.2	1415	0-8" light grey and brown silty sand. Fine sand. very loose. Poorly sorted. Dry. Fill. 8-20" Dark brown to brown clay w/ trace sand and gravel. wet. Firm. Sub rounded gravel. Fill.	24	20	P, S, M	
4							4
	4.2	1420	0-12" Dark brown to brown sand w/ silt and gravel. Fill - Damp, Fine to course sand. Sub angular. Poorly sorted,	24	12	P, M	
6							6
	8.8	1425	SD 0-15" 0-8" SAA 8-15" Brown medium sand. well sorted. Damp. Medium dense, Sub-rounded. Fill,	24	15	P, M	
8							8
	8.9	1430	0-19" Brown medium sand with gravel and silt. Poorly sorted, Medium dense. Damp. Sub-rounded. Fill.	24	19	P, M	
10							10

BORING LOG

Project No. MN0832G

Geosyntec consultants

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
10	SB		0-17" SAA. wet @ 12'			P, V	10
	~~8.8~~ 4.6	1435		24	17	T, M	
12			EOB @ 12'				12
14							14
16							16
18							18
20							20
22							22
24							24

BORING LOG

Geosyntec consultants

Boring ID SSHS-B 3473
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Jeff
Rig type 7720 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water 10'
Date 7/27/20
MS/MSD
Duplicate 15 0-2

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
	5.3	1300 ~~1400~~ (SP)	0-5" Light grey gravel. Fill. Dry. Loose. Subangular. 5-18" Dark brown fine sand w/ silt & gravel. Loose. Damp Poorly sorted. Sub angular.	24	18	P, V T, S, M	
2							2
	5.4	1305	0-24" SAA'	24	24	P, S, M ✓	
4							4
	4.3	1310	0-16" Dark brown & black silt w/ sand & gravel. Fill. Damp. Dense. Poorly sorted. Angular	24	16	P, M	
6							6
	(SP) 2. 3.0	1315	0-18" Brown and tan fine sand w/ silt and gravel. ~~1500~~ Sub angular. very dense. Damp. Poorly sorted. ~~Plastic~~ (SP)	24	18	P, M	
8							8
	4.2	1320	0-16". Brown and tan sand w/ clay. Trace gravel. Plastic. Damp Poorly sorted. Fine to coarse Sand. wet @ 14"	24	16	P, V T, M	
10							10

Refusal @ 5'. Step off.

BORING LOG

Project No. MN0832G

Geosyntec consultants

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
10			0-24". wet. Black and tan fine to medium Sand w/ trace gravel. Poorly Sorted. Dense. Subangular.	24	24		10
12			EOB @ 12'				12
14							14
16							16
18							18
20							20
22							22
24							24

BORING LOG

Geosyntec consultants

Boring ID	SSHS-B 3474	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/27/20
Driller/helper(s)	Blake + Jeff	MS/MSD	
Rig type	7720 D7	Duplicate	

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	5.5	1535	0-9" Sidewalk subbase. Light grey fine sand w/ gravel. Fill. Very loose. Fine sand. Angular. 9-18" Light brown to brown sand w/ gravel. Fill, Damp Poorly sorted. Medium dense. Fine to coarse sand,	24	18	P,M	
2							2
	16.7	1540	0-16" Light brown and grey silty sand w/ gravel. Fill. Dry. Loose. Poorly sorted. Sub angular Fine to medium sand.	24	16	P,M ✓	
4							4
			EOB @ 4'				
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID	SSHS-B 3475	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7127120
Driller/helper(s)	Blake & Roger	MS/MSD	
Rig type	7720 DT	Duplicate	

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
0	11.4	1525	0-8" Sidewalk subbase. Light grey gravel. Fill. Angular. Dry. Poorly sorted 8-19" Brown and grey silty sand w/ gravel. Poorly sorted, Sub angular. Fine to course sand. Damp. Dense.	24	14	PM V	0
2							2
	16.6	1530	0-15" SAA'	24	15	PM V	
4							4
			EOB @ 4'				
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID SSHS-B 3476
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Jeff
Rig type 7720 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/27/20
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
0	4.7	1510	0-8" Sidewalk subbase. Light grey gravel. Fill. Dry. very loose. Angular. 8-15" Brown silty sand w/ gravel. Fill. Damp @ 8" Moist. Poorly Sorted. Sub angular. Fine sand.	24	15	P,M	0
2	15.7	1515	0-21" SAA	24	21	P,M ✓	2
4			EOB @ 4'				4
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID SSHS-B 3477
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Jeff
Rig type 7720 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/27/20
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
	12.4	1450	0-8" Light grey gravel, Sidewalk sub base, very loose. Dry. Angular 8-17" Light brown to brown fine sand w/ silt and gravel Fill. Damp. Medium dense. Sub angular.	24	17	P,M V,S	
2							2
	15.6	1455	0-18" SAA	24	18	P,M V,S	
4							4
			EOB @ 4'				
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID	SSHS-B 3456	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/28/20
Driller/helper(s)	Jeff + Blake	MS/MSD	
Rig type	7720 DT	Duplicate	09 0-2

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	1.6	1100	0-8" Asphalt subgrade. Very lose gravel with sand. Poorly sorted. Angular. 8-24" light brown to brown. silty sand w/ gravel. Dense. Poorly sorted. Damp. Fill	24	24	PM	
2							2
	0.3	1105	0-20" SAA	24	20	P,M	
4							4
			EOB @ 4'				
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID	SSHS-B 3457	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/28/20
Driller/helper(s)	Blake + Jeff	MS/MSD	
Rig type	7720 DT	Duplicate	

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	1.9	1015	0-11" Brown silt w/ clay. Semi plastic. Firm. Damp. 11-19" Dark brown and black sandy gravel w/ Fill. Damp Poorly sorted. Angular. Fine to coarse sand.	24	19	P,M	
2							2
	1.2	1020	0-24" SAA	24	24	P,M	
4							4
			EOB @ 4'				
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID	SSHS-B 3458	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/28/20
Driller/helper(s)	Jeff + Blake	MS/MSD	
Rig type	7720 DT	Duplicate	10 2-4

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
0	L6	1220	0-8" Light grey gravel w/ Sand. Asphalt Sub base. Very loose. Poorly sorted. Dry. Angular	24	24	P, M	0
2			8-24" Brown to dark brown sand w/ silt and gravel. Fill. Poorly sorted. Damp. Sub angular Fine to coarse sand				2
	L3	1225	0-15" SAA	24	21	P, M	
4			15-21" Brown clay with trace gravel Moist. Semi-Plastic. Sub angular gravel. Stiff.				4
			EOB @ 4'				
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID	SSHS-B 3460	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/28/10
Driller/helper(s)	Blake & Jeff	MS/MSD	
Rig type	7720 DT	Duplicate	

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	0.6	955	0-12" Brown silt w/ trace gravel. Stiff. Damp. Angular gravel. 12-24" Dark brown fine sand w/ silt & gravel. Fill. Damp Poorly sorted. Dense. Sub angular	24	24	P,M	
2							2
	1.6	1000	0-9" Black medium sand w/ trace gravel. Medium dense. Damp. 9-14" Crushed grey stone. 14-24" Brown clay with trace sand & gravel. Fill. ~~Moist~~. Semi plastic. Sub angular gravel. Damp.	24	24	D,M	
4							4
6			EOB @ 4'				6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID SSHS-B 3462
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Jeff
Rig type 7720 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/28/20
MS/MSD
Duplicate 11 0-2

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
0	1.4	1230	0-4" Sandy gravel. Tan & brown fill Dense. Sub rounded Damp. 4-23" Silty fine sand w/ gravel. Fill. Stiff. Non plastic. Sub rounded Damp	24	23	P, M	0
2	1.8	1235	0-10" Tan & brown sandy gravel. Fill. Dry. Sub angular. Medium dense. Poorly sorted. 10-23' Black & brown clay w/ trace gravel. Medium plastic. Firm. Sub angular gravel.	24	23	P, M	2
4							4
6			EOB @ 4'				6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID SSHS-B 3463
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake & Jeff
Rig type 7720 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/28/20
MS/MSD DT 2-4
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	2.2	900	0-9" Light grey Sandy gravel. Fine to coarse Sand. Fill Medium dense. Poorly sorted Dry. 9-24" Brown silt w/ fine sand. Firm. Damp. Fill	24	24	P,M	
2	23	905	0-24" Brown and light grey silty Sand w/ gravel, Dense. Poorly sorted. Fill. Damp Sub angular.	24	24	P,M	2
4			EOB @ 4'				4
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID: SSHS-B 3465
Project No.: MN0832G
Project Name: Former Sperry Remington-North
Location: Elmira, NY
Drilling Co.: Cascade
Driller/helper(s): Blaine & Jeff
Rig type: 7720 DT

Geologist: SP
Drilling Method: Direct Push
Borehole Dia.: 1.5"
Depth to Water:
Date: 7/28/20
MS/MSD:
Duplicate: 12 2-4

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
	0.6	800	0-8" Asphalt Subbase. Black sandy gravel. Fill. Dry. Angular. Very loose. Poorly sorted. 8-22" Brown and grey sandy silt w/ gravel. Fill. Damp. Medium dense. Sub angular. Fine to coarse sand. crushed brick from 19-21"	24	22	P,M	
2							2
	0.3	805	0-24" SAA	24	24	P,M	
	(SP) 1						
4							4
			EOB @ 4'				
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID SSHS-B 3466
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Jeff
Rig type 7720 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/28/20
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
0	0.8	830	0-7" Asphalt subbase. Black angulars sandy gravel Fill. Dry. Poorly sorted. Very loose. Angular. 7-24" Brown sandy silt. medium dense. Damp. Trace gravel. Fill. Poorly sorted. Fine to coarse sand.	24	24	P, M	0
2							2
	1.4	835	0-3" SAA 3-15" Dark brown. Clay. Stiff. Moist. Some plastic Trace sand and gravel. Poorly sorted Fill	24	15	P, M	
4							4
			EOB @ 4'				
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID	SSHS-B 3467	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/28/20
Driller/helper(s)	Blake + Jeff	MS/MSD	08 2-4
Rig type	7720 DT	Duplicate	

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
	1.6	1005	0-11" Brown clay w/ sand + gravel. Fill. Poorly sorted. Damp. Firm. Some plastic. 11-19" Light brown silty sand w/ gravel. Dense. Fill. Damp. Fine & coarse sand. Sub angular	24	19	P, M	
2							2
	521.7	1010	0-6" SAA 6-14" Dark brown sand w/ gravel. Fine to coarse. Loose. Poorly sorted. Sub angular 14-24". Odor. Brown to black fine to medium sand w/ trace gravel. Fill. Dense. Poorly sorted. Moist. Sub angular	24	24	BA VOS	
4							4
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID	SSHS-B 3468	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/28/20
Driller/helper(s)	Blake + Jeff	MS/MSD	
Rig type	7720 DT	Duplicate	13 0-9

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	1.6	1025	0-9" Asphalt sub base. Dark grey gravel w/ sand, very loose. Org. Poorly sorted. Sub angular.	24	24	P,M	
2			9-24" Brown silty sand w/ gravel. Fill. Dense, Poorly sorted. Dump. Fine to coarse sand. Sub angular.				2
	0.7	1030	0-23" SAA	24	23	P,M	
4							4
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID SSHS-B 3469
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Jeff
Rig type 7720 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/28/20
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
	2.0	930	0-2" Dark brown sub rounded gravel. Poorly sorted. Trace silt & sand. Dense. 2-15" Dark brown to brown silty sand w/ gravel. Fill. Damp. Poorly sorted. Medium dense. Fine to coarse sand.	24	14	P, M	
2							2
	2.0	935	0-5" SAA 5-9" light grey fine sand w/ gravel. Dry. Very loose sub angular 9-12" Black medium sand. well sorted. Dense. Damp 12-24" Brown silt w/ sand. Poorly sorted, Damp Dense.	24	24	P, M	
4							4
			EOB @ 4'				
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID	SSHS-B 3470	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/28/20
Driller/helper(s)	Blake & Jeff	MS/MSD	
Rig type	7720 DT	Duplicate	14 2-4

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
0	~~2.1~~ 261.6	1110	0-6" Asphalt sub base. Light grey gravel w/ sand. Angular. Fill. Dry. Poorly sorted, Fine to coarse sand. Loose 6-24" Dark brown to brown silty sand w/ gravel. Fill. Damp. Poorly sorted. Sub angular. Dense	24	24	P, M	0
2							2
	1.1	1115	0-6" SAA ~~6-12~~ 6-17" Light grey sandy gravel. Fill. Dry. Poorly sorted. Sub angular Dense. Fine to coarse sand, Crushed brick at 16-17"	24	17	P, M	
4							4
			EOB @ 4'				
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID	SSHS-B 3471	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/28/20
Driller/helper(s)	Jeff	MS/MSD	09 0.17-2
Rig type	7/28/20	Duplicate	

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
0	1.9	850	0-8" Black Asphalt subbase. Angular gravel w/ course sand. very loose, Dry. Poorly sorted.	24	24	P, M	0
	~~0.6~~		8-24" Brown sand, gravel w/ clay. Fill. Poorly sorted. Angular Damp Fine to coarse sand.				
2							2
	1.8	855	0-17" SAA	24	17	P, M	
4							4
			EOB @ 4'				
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID SSHS-B 3481
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Jeff + Blake
Rig type 7720 DT

Geologist SI
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/28/20
MS/MSD
Duplicate Dup 502

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
			0-5" Top soil. Brown silt w/ clay. Some plastic. Damp. Firm	24	24	S	
	0.8	1350	5-24" Light brown fine sand w/ trace gravel, Silt. Poorly sorted. Loose. Sub angular			S	
2							2
			EOB @ 2'				
4							4
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID SSHS-B 3484
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Jeff
Rig type 7720 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/28/20
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
0	0.0	1410	0-4" Light brown topsoil. Silty sand. Poorly sorted, Loose 4-24" Light brown to black fine to medium sand. Silt. Poorly sorted. Loose, Sub rounded.	24	24	S B	0
2			EOB @ 2'				2
4							4
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID	SSHS-B 3485	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/28/2020
Driller/helper(s)	Blake + Jeff	MS/MSD	04 017-7
Rig type	7720 DT	Duplicate	

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
0	0.0	1400	0-14" Black silty fine sand, Topsoil. Loose. Damp 14-24" Light brown to brown sand with gravel. Fill. Poorly sorted. Medium dense, Sub angular	24	24	S	0
2			EOB @ 2'				2
4							4
6							6
8							8
10							10

BORING LOG

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Boring ID	SSHS-B 3486	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/28/20
Driller/helper(s)	Blake + Jeff	MS/MSD	
Rig type	7720 DT	Duplicate	

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
	0.0	1355	0-6" Top soil. Brown silt w/ clay. Semi plastic. Damp. Firm 6-24" Light brown fine to coarse sand w/ gravel. Very loose. Damp Poorly sorted. Subangular.	24	24	S	
2							2
			EOB @ 2'				
4							4
6							6
8							8
10							10

BORING LOG

Geosyntec consultants

Boring ID SSHS-B 3487
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Jeff
Rig type 7720 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia 1.5"
Depth to Water
Date 7/28/20
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
0	0.7	1515	0-4" Brown topsoil. Silt w/ clay. Firm. Damp 4-24" Brown and black gravel w/ sand, Fill. Damp. Poorly sorted, SA angular Fine to coarse sand.	24	24	S S	0 2
2			EOB @ 2'				4
4							6
6							8
8							10
10							

BORING LOG

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Boring ID SSHS-B 3488
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Jeff
Rig type 7720 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/28/20
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
	0.7	1510	0-9" Brown topsoil. Clay w/ silt. Plastic. Stiff. Damp. 9-24" Brown and ~~grey~~ sandy Sand w/ gravel, Fill. Damp. Poorly sorted. (50) Dense. Subangular. Fine to coarse Sand.	24	24	S S	
2			EOB @ 2'				2
4							4
6							6
8							8
10							10

BORING LOG

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Boring ID SSHS-B 3489
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Jeff
Rig type 772D D7

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/28/20
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
	0.5	1520	0-4" Brown silty sand. Fine sand. Loose. Top soil. 4-24" Brown and black silty sand w/ gravel Fill. Moist. Poorly sorted. Medium dense. Fine to coarse sand. Sub angular	24	24	S S	
2			EOB @ 2'				2
4							4
6							6
8							8
10							10

BORING LOG

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Boring ID	SSHS-B 3490	Geologist	SP
Project No.	MN0832G	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/28/20
Driller/helper(s)	Blake + Jeff	MS/MSD	
Rig type	7720 DT	Duplicate	

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
						S	
	0.0	1405	0-9" Black silty Fine sand w/ gravel. Topsoil. very loose. Sub rounded gravel. Damp.	24	23	S	
2			9-23" Lt Brn and brown sand w/ gravel. Fill. Poorly sorted. Damp. Sub rounded. Fine to Coarse Sand				2
			EOB @ 2'				
4							4
6							6
8							8
10							10

BORING LOG

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Boring ID SSHS-B 3491
Project No. MN0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Jeff
Rig type 7720 DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/28/20
2 0.17-2 MS/MSD
3 0.17-2 Duplicate ~~0.17-2~~

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
0	0.0	1415	0-4" Brown topsoil. Silt w/ clay. Some plastic. Stiff. Damp.			P	0
			4-24" Brown and grey silty sand w/ gravel. Fill. Medium dense. Damp. Poorly sorted. Sub angular. Fine to coarse sand.				
2							2
			EOB @ 2'				
4							4
6							6
8							8
10							10

BORING LOG

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Boring ID B3555
Project No. MN0632F/09/12
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Rich
Rig type Geoprobe 7822DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 1/11/21
MS/MSD
Duplicate DUP-21 16-18
P, M, V

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
2							2
4							4
6							6
8							8
10							10

BORING LOG

Project No. MN0832

B3555

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
10		1030	0-16" Dark grey rounde SP	24	16	P,M	10
12							12
14							14
16	14.1	1030	0-16" Dark grey rounded gravel with silty sand. Fine to course sand. Saturated. Strong odor. Medium dense. Poorly sorted.	24 24	16	P,M V	16
18	15.6	1035	0-17" Dark grey rounded to subrounded gravel with fine to course sand. wet. Odor. Medium dense. Poorly sorted.	24	17	P,M V	18
20	1.8	1040	0-6" Dark grey well rounded cobbles with trace course sand. odor. well sorted. Very loose. wet.	24	6	P,M	20
22	1.P	1335	No Recovery | Sample re pushed with bushel. Dark grey well rounded cobbles with gravel. Trace course sand. wet. very loose.	24	(SP) 0 14	P,M	22
24							24

EOB @ 24'

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BORING B3557

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/21 **COMPLETED** 1/11/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:35 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3557

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		71	SSHS-B3557		SILTY GRAVEL, dark gray, well graded, subrounded, wet, medium dense, with sand	15.2
18		63	SSHS-B3557		SANDY GRAVEL, dark gray, well graded, rounded, wet, medium dense, with fine to coarse sand	25
20		50	SSHS-B3557		GRAVEL, dark gray, poorly graded, rounded, wet, loose, with sand	3.1

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BORING B3557

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		67	SSHS-B3557		COBBLES, dark gray, poorly graded, rounded, wet, loose, and gravel, with coarse sand	2.5
24					Bottom of borehole at 24.0 feet.	

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BORING B3560

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/21 **COMPLETED** 1/11/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Recovery	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:35 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3560

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16					GRAVEL, dark gray, well graded, subrounded, wet, medium dense, with silt, fine to coarse sand, hydrocarbon odor	
		63	SSHS-B3560-SUB-16-18			15
18						
		67	SSHS-B3560-SUB-18-20			7.5
20					COBBLES, dark gray, well graded, well rounded, wet, with gravel, and fine to coarse sand	
		75	SSHS-B3560-SUB-20-22			7.6

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BORING B3560

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		75	SSHS-B3560-SUB-22-24		COBBLES, dark gray, well graded, well rounded, wet, with fine to coarse sand, and gravel	8.2
24					Bottom of borehole at 24.0 feet.	

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BORING B3563

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/11/21 **COMPLETED** 1/11/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3563

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		100	SSHS-B3563		SANDY GRAVEL, brown, well graded, subangular, moist, dense, with silt	6.6
16		75	SSHS-B3563		GRAVEL, dark gray, well graded, subrounded, wet, medium dense, with fine to medium sand, hydrocarbon odor	7.5
18		54	SSHS-B3563		GRAVEL, dark gray, poorly graded, well rounded, wet, medium dense, with medium to coarse sand	19.5
20		54	SSHS-B3563		COBBLES, dark gray, well graded, subrounded, wet, loose, with gravel, trace sand	1.5

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3563

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		79	SSHS-B3563		COBBLES, dark gray, poorly graded, subrounded, wet, very loose, with gravel, trace coarse sand	1.2
24					Bottom of borehole at 24.0 feet.	

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BORING B3558

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/21 **COMPLETED** 1/12/21
NORTHING 754255.134 ft **EASTING** 762253.554 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup-24 at 16-18'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No Sample Collected	
2.5					
5.0					
7.5					

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BORING B3558

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				No Sample Collected *(continued)*	
12.5					
15.0					
		SSHS-B3558-SUB-16-18		Medium dense, GRAVEL, with silty, fine to coarse sand, wet, dark gray, well graded, well rounded, odor	24.2
17.5					
		SSHS-B3558-SUB-18-20		Medium dense, GRAVEL, with medium to coarse sand, wet, dark gray, moderately graded, well rounded, odor	25.2
20.0					
		SSHS-B3558-SUB-20-22		Very loose, GRAVEL, with medium to coarse sand, wet, dark gray, moderately graded, well rounded	15.9

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PAULS BH / TP / WELL - DEFAULT.GDT - 3/25/21 13:37 - Z:\GINT\PROJECTS\ELMIRA BORING LOGS 2018\ELMIRA-RWARRIER\ELMIRA - MN0832 - BACKUP2.GPJ.GPJ

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BORING B3558

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5		SSHS-B3558-SUB-22-24		Very loose, GRAVEL, with cobbles, and coarse sand, wet, brown, poorly graded, well rounded	2.4
				Bottom of borehole at 24.0 feet.	
25.0					
27.5					
30.0					
32.5					

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BORING B3559

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/21 **COMPLETED** 1/12/21
NORTHING 754242.954 ft **EASTING** 762256.729 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup-25 at 16-18'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No Sample Collected	
2.5					
5.0					
7.5					

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PAULS BH / TP / WELL - DEFAULT.GDT - 3/25/21 13:37 - Z:\GINT\PROJECTS\ELMIRA BORING LOGS 2018\ELMIRA-RWARRIER\ELMIRA - MN0832 - BACKUP2.GPJ.GPJ

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				No Sample Collected *(continued)*	
12.5					
15.0					
		SSHS-B3559-SUB-16-18		Medium dense, GRAVEL, with fine to coarse sand, wet, dark gray, well graded, subrounded, odor	11.9
17.5					
		SSHS-B3559-SUB-18-20		Loose, GRAVEL, with cobbles, and medium to coarse sand, wet, dark gray, subrounded, odor	28.6
20.0					
		SSHS-B3559-SUB-20-22		Loose, GRAVEL, with medium to coarse sand, wet, dark gray, well rounded, odor	9.6

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BORING B3559

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5		SSHS-B3559-SUB-22-24		Loose, GRAVEL, with medium to coarse sand, wet, dark gray, well rounded, odor *(continued)* Very loose, GRAVEL, with medium to coarse sand, wet, dark gray, well rounded, odor	1
				Bottom of borehole at 24.0 feet.	
25.0					
27.5					
30.0					
32.5					

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BORING B3564

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/21 **COMPLETED** 1/12/21
NORTHING 754232.522 ft **EASTING** 762213.816 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5					
5.0					
7.5					

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				No sample collected *(continued)*	
12.5					
15.0				Medium dense, SANDY GRAVEL, with silt, moist, dark brown, well graded, subrounded, fine to coarse sand	
		SSHS-B3564-SUB-16-18		GRAVEL, and medium to coarse sand, dark gray, moderately graded, well rounded	0
17.5				Loose, GRAVEL, with cobbles, and coarse sand, wet, dark gray, moderately graded, well rounded, odor	
		SSHS-B3564-SUB-18-20			13
20.0				Very loose, COBBLES, with gravel, and coarse sand, wet, dark gray, poorly graded, well rounded, odor	
		SSHS-B3564-SUB-20-22			1.5

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BORING B3564

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5		SSHS-B3564-SUB-22-24		Very loose, COBBLES, with gravel, and coarse sand, wet, dark gray, poorly graded, well rounded, odor	5.1
				Bottom of borehole at 24.0 feet.	
25.0					
27.5					
30.0					
32.5					

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BORING B3566

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/21 **COMPLETED** 1/12/21
NORTHING 754226.7 ft **EASTING** 762203.1 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-13 at 8-10'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5					
5.0					
7.5		SSHS-B3566-SUB-8-10		Dense, SANDY GRAVEL, with silt, fine to coarse grained, moist, dark brown and gray, well graded, subrounded to subangular, Crushed red brick fill from 10-11.2'	0.5

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BORING B3566

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3566-SUB-10-12		Medium dense, GRAVEL, with sand, fine to coarse grained, moist, dark brown to brown, well graded, subangular	0.6
12.5		SSHS-B3566-SUB-12-14		Loose, COBBLES, with gravel, moist, gray, well graded, angular	0.5
15.0		SSHS-B3566-SUB-14-16		Medium dense, SANDY GRAVEL, fine to coarse grained, wet, dark gray, moderately graded, odor	63
17.5		SSHS-B3566-SUB-16-18		Very loose, SAND, with gravel, medium to coarse grained, dark gray, poorly graded, subrounded	83
		SSHS-B3566-SUB-18-20		Very loose, GRAVEL, with sand, and cobbles, wet, dark gray, moderately graded, well rounded, odor	12.5
20.0		SSHS-B3566-SUB-20-22		Very loose, GRAVEL, with cobbles, wet, gray and brown, poorly graded, well rounded	0.8

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BORING B3566

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5		SSHS-B3566-SUB-22-24		Very loose, GRAVEL, with cobbles, wet, gray and brown, poorly graded, well rounded *(continued)* Very loose, GRAVEL, and cobbles, wet, gray and reddish brown, poorly graded	0.7
				Bottom of borehole at 24.0 feet.	
25.0					
27.5					
30.0					
32.5					

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BORING B3567

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/21 **COMPLETED** 1/12/21
NORTHING 754212.804 ft **EASTING** 762206.127 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-14 at 8-10'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No Sample Collected	
2.5					
5.0					
7.5		SSHS-B3567-SUB-8-10		Dense, SAND, with silt, trace gravel, fine to coarse grained, moist, brown, well graded	1.6

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BORING B3567

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3567-SUB-10-12		Dense, GRAVEL, with fine to coarse sand, and silt, moist, dark brown and tan, well graded, subangular	0.8
12.5		SSHS-B3567-SUB-12-14		Dense, SANDY GRAVEL, moist, dark brown to brownish gray, well graded, fine to coarse grained sand	1
15.0		SSHS-B3567-SUB-14-16		Dense, SANDY GRAVEL, moist, dark brown to dark gray, subrounded, fine to coarse grained sand	15
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3508A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/21 **COMPLETED** 1/13/21
NORTHING 754606.454 ft **EASTING** 761965.622 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, and fine sand, moist, light brown	
		SSHS-B3508-SUB-0-2		Medium dense, SAND, with gravel, sand fine to coarse grained, dark brown to black, subangular gravel, fill	0.4
2.5		SSHS-B3508-SUB-2-4		Stiff, CLAY, with gravel, and sand, well graded, subrounded gravel, medium plasticity, fill	0.4
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3509A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/21 **COMPLETED** 1/13/21
NORTHING 754589.089 ft **EASTING** 761971.199 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, and fine sand, moist, light brown	
		SSHS-B3509-SUB-0-2		Medium dense, SANDY GRAVEL, with silt, dry, brown, well graded, subangular gravel, fill	0.1
2.5		SSHS-B3509-SUB-2-4		Stiff, CLAY, with gravel, and sand, well graded, subangular gravel, medium plasticity, fill	0.2
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3510A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/21 **COMPLETED** 1/13/21
NORTHING 754594.27 ft **EASTING** 761992.711 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SAND, moist, orange red, poorly graded, medium grained sand	
		SSHS-B3510-SUB-0-2		Dense, GRAVEL, with fine to coarse sand, dark brown to black, well graded, angular gravel, fill	1.5
2.5		SSHS-B3510-SUB-2-4		Dense, GRAVEL, with fine to coarse sand, dark brown to black, well graded, angular gravel, fill	0.6
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3513

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/21 **COMPLETED** 1/13/21
NORTHING 754838.05 ft **EASTING** 761913.85 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, and fine sand	
		100	SSHS-B3513-SUB-0-2		SILTY SAND, dark brown, well graded, angular, dense, fine to medium grained sand, crushed gray rock, fill	0.5
2					SILTY SAND, dark brown, well graded, angular, dense, fine to medium grained sand, crushed gray rock, fill	
		160	SSHS-B3513-SUB-2-4		SAND, brown, well graded, angular gravel, fine grained, moist, medium dense, with gravel, fill	0.4
4					Bottom of borehole at 4.0 feet.	

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BORING B3514

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/21 **COMPLETED** 1/13/21
NORTHING 754795.422 ft **EASTING** 761917.843 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		67	SSHS-B3514-SUB-0-2		SILT, light brown, moist, dense, and fine sand	
					Crushed gray rock	0
2					Crushed gray rock	
		100	SSHS-B3514-SUB-2-4		SANDY GRAVEL, dark brown and gray, well graded, subangular to angular gravel, moist, dense, with silt, fill	0.5
4					Bottom of borehole at 4.0 feet.	

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BORING B3515

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/21 **COMPLETED** 1/13/21
NORTHING 754796.686 ft **EASTING** 761897.025 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILTY SAND, light brown, moist, dense, fine grained	
		100	SSHS-B3515-SUB-0-2		SANDY GRAVEL, brown, well graded, subangular gravel, moist, dense, with silt, fill	0.3
2					SANDY GRAVEL, brown, well graded, subangular gravel, moist, dense, with silt, fill	
		67	SSHS-B3515-SUB-2-4		SANDY GRAVEL, light brown to brown, well graded, subangular to angular gravel, moist, dense, with silt, fill	4
4					Bottom of borehole at 4.0 feet.	

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BORING B3520

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/21 **COMPLETED** 1/13/21
NORTHING 754858.559 ft **EASTING** 761939.871 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		100	SSHS-B3520-SUB-2-4		SANDY GRAVEL, dark brown to dark gray, well graded, subangular gravel, moist, medium dense, with silt, fill	0.2
4		96	SSHS-B3520-SUB-4-6		SANDY GRAVEL, dark brown to dark gray, well graded, subangular gravel, moist, medium dense, with silt, fill	0.3
6					Bottom of borehole at 6.0 feet.	

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BORING B3556

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/21 **COMPLETED** 1/13/21
NORTHING 754257.634 ft **EASTING** 762287.917 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup-22 at 16-18' P, M Dup-29 at 18-20' V

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No Sample Collected	
2.5					
5.0					
7.5					

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				No Sample Collected *(continued)*	
12.5					
15.0					
		SSHS-B3556-SUB-16-18		Dense, SANDY GRAVEL, wet, brown, well graded, subangular, fine to coarse grained sand	0.5
17.5					
		SSHS-B3556-SUB-18-20		Medium dense, GRAVEL, with fine to coarse sand, wet, very dark gray to black, subrounded, odor	26.5
20.0					
		SSHS-B3556-SUB-20-22		Very loose, GRAVEL, with coarse sand, brown and gray, poorly graded, well rounded	5.7

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BORING B3556

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5		SSHS-B3556-SUB-22-24		Very loose, GRAVEL, with coarse sand, brown and gray, poorly graded, well rounded *(continued)* Very loose, GRAVEL, wet, gray, poorly graded, well rounded, brown, hgh turbidity water in pore space	1
				Bottom of borehole at 24.0 feet.	
25.0					
27.5					
30.0					
32.5					

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BORING B3561

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/21 **COMPLETED** 1/13/21
NORTHING 754245.584 ft **EASTING** 762235.182 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
2.5					
5.0					
7.5					

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BORING B3561

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0					
12.5					
15.0					
		SSHS-B3561-SUB-16-18		Loose, GRAVEL, with medium to coarse sand, wet, dark gray, moderately graded, subrounded, odor	13.6
17.5					
		SSHS-B3561-SUB-18-20		Loose, GRAVEL, with medium to coarse sand, wet, dark gray, moderately graded, subrounded, odor	28.3
20.0					
		SSHS-B3561-SUB-20-22		Very loose, GRAVEL, with cobbles, wet, dark gray to brown, poorly graded, well rounded	4.8

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BORING B3561

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5		SSHS-B3561-SUB-22-24		Very loose, GRAVEL, with cobbles, wet, dark gray to brown, poorly graded, well rounded *(continued)* GRAVEL, with coarse sand, and cobbles, wet, gray, poorly graded, well rounded, brown emulsified liquid in pore spaces	4.7
				Bottom of borehole at 24.0 feet.	

22.5

25.0

27.5

30.0

32.5

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BORING B3562

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/13/21 **COMPLETED** 1/13/21
NORTHING 754235.966 ft **EASTING** 762237.001 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3562

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		67	SSHS-B3562-SUB-16-18		GRAVEL, dark gray, moderately graded, subrounded gravel, wet, loose, with medium to coarse grained sand, odor	10.7
18		63	SSHS-B3562-SUB-18-20		GRAVEL, dark gray, moderately graded, subrounded gravel, wet, loose, with medium to coarse grained sand, odor	8.5
20		79	SSHS-B3562-SUB-20-22		GRAVEL, dark gray to brown, poorly graded, well rounded gravel, wet, very loose, with coarse grained sand	6

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BORING B3562

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		100	SSHS-B3562-SUB-22-24		GRAVEL, gray with brown, well rounded gravel, wet, very loose, with medium to coarse grained sand	1.9
24					Bottom of borehole at 24.0 feet.	

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BORING B3565

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/12/21 **COMPLETED** 1/13/21
NORTHING 754227.309 ft **EASTING** 762213.515 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-12 at 16-18' P, M, V; 22-24' sampled 13-Jan

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No Sample Collected	
2.5					
5.0					
7.5					

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				No Sample Collected *(continued)*	
12.5					
15.0					
		SSHS-B3565-SUB-16-18		Medium dense, GRAVEL, with fine to coarse sand, wet, dark gray, well graded, subrounded, odor odor	12.4
17.5					
		SSHS-B3565-SUB-18-20		Very loose, SAND, with gravel, wet, dark gray, well rounded, fine to coarse grained sand	17.3
20.0					
		SSHS-B3565-SUB-20-22		Very loose, GRAVEL, with coarse sand, wet, brown, poorly graded, well rounded	2.6

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BORING B3565

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5		SSHS-B3565-SUB-22-24		Very loose, GRAVEL, with coarse sand, wet, brown, poorly graded, well rounded *(continued)* Very loose, GRAVEL, trace coarse sand, wet, gray brown, poorly graded, well rounded	0.1
				Bottom of borehole at 24.0 feet.	
25.0					
27.5					
30.0					
32.5					

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BORING B3494

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/21 **COMPLETED** 1/14/21
NORTHING 755393.579 ft **EASTING** 761501.977 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense	
		88	SSHS-B3494-SUB-0-2		SILT, dark brown, well graded, moist, dense, and fine sand, with gravel, fill	0
2					SAND, dark gray to black, well graded, subangular gravel, sand fine to coarse grained, moist, with gravel, fill	
		83	SSHS-B3494-SUB-2-4		SANDY SILT, brown, well graded, subrounded to subangular gravel, moist, dense, with gravel, fill	0
4					SANDY SILT, brown, well graded, subrounded to subangular gravel, moist, dense, with gravel, fill	
		63	SSHS-B3494-SUB-4-6			0
6					Bottom of borehole at 6.0 feet.	

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BORING B3495

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/21 **COMPLETED** 1/14/21
NORTHING 755351.705 ft **EASTING** 761513.209 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	SSHS-B3495-SUB-0-2		SANDY GRAVEL, light brown to brown, well graded, subrounded gravel, sand fine to coarse grained, moist, with clay	0.2
2		79	SSHS-B3495-SUB-2-4		SANDY GRAVEL, dark brown to black, well graded, subangular gravel, sand fine to coarse grained, moist, medium dense, with silt, fill	0
4		67	SSHS-B3495-SUB-4-6		GRAVEL, light gray to tan, well graded, subangular gravel, loose, with silt, and fine to coarse sand	0.2
6					Bottom of borehole at 6.0 feet.	

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BORING B3496

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/21 **COMPLETED** 1/14/21
NORTHING 755334.59 ft **EASTING** 761510.5 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, well graded, subangular gravel, dense, with fine to coarse sand, trace gravel	
		92	SSHS-B3496-SUB-0-2		GRAVEL, dark brown, well graded, subrounded gravel, dense, with silt, and fine to coarse sand	0.1
2					GRAVEL, dark brown, well graded, subrounded gravel, dense, with silt, and fine to coarse sand	
		96	SSHS-B3496-SUB-2-4			0
4					GRAVEL, gray and brown, well graded, angular gravel, dry, loose, with silt, and fine to coarse sand, fill	
		71	SSHS-B3496-SUB-4-6			0
6					Bottom of borehole at 6.0 feet.	

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BORING B3498

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/21 **COMPLETED** 1/14/21
NORTHING 755267.311 ft **EASTING** 761539.962 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	SSHS-B3498-SUB-0-2		CLAY, dark gray to black, well graded, subangular gravel, moist, medium dense, with fine to coarse sand, and gravel, fill	0.2
2		71	SSHS-B3498-SUB-2-4		SANDY GRAVEL, brown, subrounded gravel, sand fine to coarse grained, moist, medium dense, with silt	0
4		100	SSHS-B3498-SUB-4-6		SANDY GRAVEL, brown, subrounded gravel, sand fine to coarse grained, moist, medium dense, with silt	0
6					Bottom of borehole at 6.0 feet.	

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BORING B3499

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/21 **COMPLETED** 1/14/21
NORTHING 755256.7 ft **EASTING** 761542.48 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B3499-SUB-0-2		SILT, dark brown, well graded, subangular gravel, moist, loose, with fine to coarse sand, and gravel	0
2		71	SSHS-B3499-SUB-2-4		SANDY GRAVEL, brown, well graded, subangular gravel, sand fine to coarse grained, moist, dense, with silt, fill	0.2
4		100	SSHS-B3499-SUB-4-6		SANDY GRAVEL, brown, well graded, subangular gravel, sand fine to coarse grained, moist, dense, with silt, fill	0.2
6					Bottom of borehole at 6.0 feet.	

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BORING B3517

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/21 **COMPLETED** 1/14/21
NORTHING 755272.383 ft **EASTING** 761571.994 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay	
		88	SSHS-B3517-SUB-0-2		SILTY SAND, brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	0.3
2					SANDY GRAVEL, brown to light brown, well graded, subangular gravel, fine to coarse grained, dry, dense, with silt, fill	
		79	SSHS-B3517-SUB-2-4			0.2
4					SANDY GRAVEL, brown to light brown, well graded, subangular gravel, fine to coarse grained, dry, dense, with silt, fill	
		100	SSHS-B3517-SUB-4-6			0.2
6					Bottom of borehole at 6.0 feet.	

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BORING B3522A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/21 **COMPLETED** 1/14/21
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5					
5.0					
7.5		SSHS-B3522-SUB-8-10		Very dense, SAND, with gravel, sand fine to coarse grained, dry, well graded, subangular to angular gravel	0.8

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BORING B3522A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3522-SUB-10-12		Dense, SAND, fine to medium grained, dry, poorly graded, subrounded gravel	0.7
				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B3523A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/14/21 **COMPLETED** 1/14/21
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5					
5.0					
7.5		SSHS-B3523-SUB-8-10		SANDY GRAVEL, sand fine to coarse grained, dry, dark brown, well graded, subangular gravel, fill	0

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BORING B3523A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B3523-SUB-10-12		SANDY GRAVEL, sand fine to coarse grained, dry, dark brown, well graded, subangular gravel, fill	0.2
10.0				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B3568

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/21 **COMPLETED** 1/18/21
NORTHING 754249.001 ft **EASTING** 762222.927 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-18 at 30-32'; Dup-30 at 32-34'; Dup-31 at 34-36'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
2.5					
5.0					
7.5					

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
12.5					
15.0		SSHS-B3568-SUB-16-18		Dense, GRAVEL, with fine to coarse sand, and silt, wet, gray, moderately graded, subrounded to rounded, odor	29.9
17.5		SSHS-B3568-SUB-18-20		Dense, GRAVEL, with fine to coarse sand, and silt, wet, gray, moderately graded, subrounded to rounded, odor	25.7
20.0		SSHS-B3568-SUB-20-22		Loose, GRAVEL, with coarse sand, trace cobbles, wet, gray, moderately graded, subrounded to rounded	2.8

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BORING B3568

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5		SSHS-B3568-SUB-22-24		Very loose, GRAVEL, with coarse sand, wet, gray, poorly graded, well rounded, brown, hgh turbidity water in pore space	1.6
25.0		SSHS-B3568-SUB-24-26		Loose, GRAVEL, with coarse sand, wet, gray, poorly graded, well rounded	5.3
27.5		SSHS-B3568-SUB-26-28		Very loose, GRAVEL, with fine to coarse sand, wet, gray, moderately graded, well rounded	1.3
30.0		SSHS-B3568-SUB-28-30		Medium dense, SAND, fine grained, saturated, brown	6.5
		SSHS-B3568-SUB-30-32		Medium dense, SAND, fine grained, saturated, brown	2.7
32.5		SSHS-B3568-SUB-32-34		Medium dense, SAND, fine grained, saturated, brown	3.1

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BORING B3568

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Medium dense, SAND, fine grained, saturated, brown *(continued)*	
				Medium dense, SAND, fine grained, saturated, brown	
		SSHS-B3568-SUB-34-35			0
35.0				CLAY, gray, medium plasticity, stiff	35.0
		SSHS-B3568-SUB-35-36			0
				Bottom of borehole at 36.0 feet.	
37.5					
40.0					
42.5					
45.0					

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BORING B3571

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/21 **COMPLETED** 1/18/21
NORTHING 754224.723 ft **EASTING** 762185.051 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES Dup-35 at 32-34' P, M

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
2.5					
5.0					
7.5					

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0					
12.5					
15.0					
		SSHS-B3571-SUB-16-18		Medium dense, GRAVEL, with sand, wet, dark gray, moderately graded, subrounded, odor odor	6.4
17.5					
		SSHS-B3571-SUB-18-20		Medium dense, GRAVEL, with coarse sand, wet, dark gray, poorly graded, well rounded, odor odor	6.6
20.0					
		SSHS-B3571-SUB-20-22		Medium dense, GRAVEL, with coarse sand, dark gray to brown, poorly graded, well rounded	8.4

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BORING B3571

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Medium dense, GRAVEL, with coarse sand, dark gray to brown, poorly graded, well rounded *(continued)*	
22.5		SSHS-B3571-SUB-22-24		Loose, GRAVEL, trace coarse sand, wet, gray, poorly graded, well rounded, brown, hgh turbidity water in pore space	5.5
25.0		SSHS-B3571-SUB-24-26		Loose, GRAVEL, trace coarse sand, wet, gray, poorly graded, well rounded, brown, hgh turbidity water in pore space	1.9
27.5		SSHS-B3571-SUB-26-28		Loose, GRAVEL, with fine to coarse sand, wet, gray, moderately graded, rounded	0
		SSHS-B3571-SUB-28-30		Very loose, GRAVEL, with cobbles, wet, gray and tan, poorly graded, well rounded	0.7
30.0		SSHS-B3571-SUB-30-32		Very loose, GRAVEL, with cobbles, wet, gray and tan, poorly graded, well rounded	1.3
32.5		SSHS-B3571-SUB-32-34		Medium dense, SAND, fine grained, saturated, brown, poorly graded	1.4

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BORING B3571

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Medium dense, SAND, fine grained, saturated, brown, poorly graded *(continued)*	
				STIFF CLAY, gray, medium plasticity	
35.0		SSHS-B3571-SUB-34-36			1.3
				Bottom of borehole at 36.0 feet.	
37.5					
40.0					
42.5					
45.0					

35.0

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BORING B3569

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/21 **COMPLETED** 1/19/21
NORTHING 754284.034 ft **EASTING** 762205.8 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-16 at 32-34'; Dup-32 at 28-30' P, M; Dup-33 at 30-32' P, M; Dup-36 at 18-20' V

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
2.5					
5.0					
7.5					

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0					
12.5					
15.0					
		SSHS-B3569-SUB-16-18		Dense, GRAVEL, with fine to coarse sand, wet, gray, well graded, rounded	0.3
17.5					
		SSHS-B3569-SUB-18-20		Dense, GRAVEL, with fine to coarse sand, wet, gray, well graded, subrounded to rounded	15.6
20.0					
		SSHS-B3569-SUB-20-22		Loose, GRAVEL, in brown cohesive silt, trace fine sand, wet, gray, subrounded	3

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Loose, GRAVEL, in brown cohesive silt, trace fine sand, wet, gray, subrounded *(continued)*	
22.5		SSHS-B3569-SUB-22-24		Medium dense, GRAVEL, with fine to coarse sand, wet, brown, well graded, subangular	1.9
25.0		SSHS-B3569-SUB-24-26		Medium dense, GRAVEL, with fine to coarse sand, wet, brown, well graded, subangular	0.3
27.5		SSHS-B3569-SUB-26-28		Dense, SAND, fine grained, saturated, brown, poorly graded	3.2
		SSHS-B3569-SUB-28-30		Dense, SAND, fine grained, saturated, brown, poorly graded	1.5
30.0		SSHS-B3569-SUB-30-32		Dense, SAND, fine grained, saturated, brown, poorly graded	4.1
32.5		SSHS-B3569-SUB-32-33		Dense, SAND, fine grained, saturated, brown, poorly graded	3.9
				STIFF CLAY, gray, medium plasticity	

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BORING B3569

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B3569-SUB-33-34		STIFF CLAY, gray, medium plasticity *(continued)*	3.9
				STIFF CLAY, gray, medium plasticity	
35.0		SSHS-B3569-SUB-34-36			3.9
				Bottom of borehole at 36.0 feet.	

35.0

37.5

40.0

42.5

45.0

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BORING B3570

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/21 **COMPLETED** 1/19/21
NORTHING 754261.448 ft **EASTING** 762204.973 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-17 at 30-32'; MS/MSD-19 at 20-22' V; Dup-34 at 28-30'

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0					
2.5					
5.0					
7.5					

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0					
12.5					
15.0		SSHS-B3570-SUB-16-18		Dense, GRAVEL, with fine to coarse sand, wet, dark gray to gray, well graded, subrounded to subangular	5.9
17.5		SSHS-B3570-SUB-18-20		Dense, GRAVEL, with fine to coarse sand, wet, dark gray to gray, well graded, subrounded to subangular	12
20.0		SSHS-B3570-SUB-20-22		Dense, GRAVEL, in cohesive gray silt, with fine to coarse sand, wet, dark gray, well graded, subrounded to subangular, odor	10.8

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BORING B3570

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5		SSHS-B3570-SUB-22-24		Dense, GRAVEL, in cohesive gray silt, with fine to coarse sand, wet, dark gray, well graded, subrounded to subangular, odor	3.5
25.0		SSHS-B3570-SUB-24-26		Dense, GRAVEL, with fine to coarse sand, wet, gray, well graded, subrounded, odor	1.4
27.5		SSHS-B3570-SUB-26-28		Dense, GRAVEL, with fine to coarse sand, wet, gray, well graded, subrounded, odor	0.7
		SSHS-B3570-SUB-28-30		Dense, SAND, fine grained, saturated, brown, poorly graded	2.2
30.0		SSHS-B3570-SUB-30-32		Dense, SAND, trace clay, fine grained, saturated, brown, poorly graded	0
32.5		SSHS-B3570-SUB-32-34		Dense, SAND, fine grained, saturated, brown, poorly graded	0.8

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BORING B3570

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Dense, SAND, fine grained, saturated, brown, poorly graded *(continued)*	
		SSHS-B3570-SUB-34-35		Dense, SAND, fine grained, saturated, brown, poorly graded	2.8
35.0		SSHS-B3570-SUB-35-36		STIFF CLAY, gray, medium plasticity	2.8
				Bottom of borehole at 36.0 feet.	

35.0

37.5

40.0

42.5

45.0

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BORING B3264A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/21/21 **COMPLETED** 1/21/21
NORTHING 755326.756 ft **EASTING** 761913.683 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
16		50	SSHS-B3264A-SUB-16-18		GRAVEL, grayish brown, moderately graded, wet, loose, with fine to coarse sand, well rounded gravel	44.8
18		58	SSHS-B3264A-SUB-18-20		GRAVEL, brown, moderately graded, wet, very loose, with fine to coarse sand, well rounded gravel	0.9
20		88	SSHS-B3264A-SUB-20-22		GRAVEL, brown, poorly graded, wet, very loose, with coarse sand, well rounded gravel	1.4

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:35 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3264A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		88	SSHS-B3264A-SUB-22-24		GRAVEL, brown, moderately graded, wet, very loose, with coarse sand, trace cobbles, well rounded gravel	1
24					Bottom of borehole at 24.0 feet.	

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BORING B3266A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/21/21 **COMPLETED** 1/21/21
NORTHING 755339.43 ft **EASTING** 761944.52 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3266A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		71	SSHS-B3266A-SUB-10-12		SANDY GRAVEL, brown and gray, well graded, moist, loose, with silt, subangular gravel, fine to coarse sand, fill	0.7
12		71	SSHS-B3266A-SUB-12-14		SANDY GRAVEL, brown and gray, well graded, moist, loose, with silt, subangular gravel, fine to coarse sand, fill	0
14		50	SSHS-B3266A-SUB-14-16		GRAVEL, gray, moderately graded, wet, loose, with medium to coarse sand, well rounded gravel	0
16		71	SSHS-B3266A-SUB-16-18		GRAVEL, brown and gray, well graded, wet, loose, with fine to coarse sand, trace cobbles, subrounded to rounded gravel	0.8
18		71	SSHS-B3266A-SUB-18-20		GRAVEL, brown and gray, well graded, wet, loose, with fine to coarse sand, trace cobbles, subrounded to rounded gravel SAND, brown, poorly graded, saturated, medium dense, fine grained sand	0.9
20		79	SSHS-B3266A-SUB-20-22		SAND, brown, moderately graded, saturated, medium dense, trace gravel, fine grained sand, well rounded gravel	0

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BORING B3266A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22					SAND, brown, moderately graded, saturated, medium dense, trace gravel, fine grained sand, well rounded gravel	
		54	SSHS-B3266A-SUB-22-24		CLAY, gray, stiff, medium plasticity, damp	1.1
24					Bottom of borehole at 24.0 feet.	

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BORING B3493

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/21/21 **COMPLETED** 1/21/21
NORTHING 755349.36 ft **EASTING** 761874.333 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:35 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3493

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		88	SSHS-B3493-SUB-10-12		SAND, brown, well graded, subrounded gravel, moist, with gravel, and fine to coarse sand	1.3
12		58	SSHS-B3493-SUB-12-14		GRAVEL, brown and gray, well graded, subrounded gravel, moist, dense, with fine to coarse sand	0.4
14		50	SSHS-B3493-SUB-14-16		GRAVEL, brown and gray, well graded, subrounded gravel, moist, dense, with fine to coarse sand, wet at 14.5'	0.6
16		54	SSHS-B3493-SUB-16-18		GRAVEL, brown, moderately graded, subrounded to rounded gravel, wet, loose, with medium to coarse sand	0.8
18		50	SSHS-B3493-SUB-18-20		SAND, brown, moderately graded, well rounded gravel, wet, medium dense, with gravel	0.1
20		75	SSHS-B3493-SUB-20-22		SAND, brown, moderately graded, well rounded gravel, wet, medium dense, with gravel	1

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BORING B3493

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		50	SSHS-B3493-SUB-22-24		SAND, brown, moderately graded, well rounded gravel, wet, medium dense, with gravel	0.5
24					Bottom of borehole at 24.0 feet.	

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BORING B3503A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/21/21 **COMPLETED** 1/21/21
NORTHING 754497.944 ft **EASTING** 762009.378 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, with fine sand, moist, light brown, roots from 0-2"	
		SSHS-B3503-SUB-0-2		Crushed red BRICK, fill	0.9
				Crushed gray CONCRETE and black silty fine sand, fill, dense, angular concrete fragments, well-graded	
				Crushed red BRICK and CONCRETE with fine to medium black sand, fill, poorly sorted, dry, angular, fill	
2.5		SSHS-B3503-SUB-2-4		Very dense, SILTY SAND, with gravel, sand fine to coarse grained, dry, light brown, well graded, subangular gravel, fill	0.3
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3554

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/20/21 **COMPLETED** 1/21/21
NORTHING 755383.171 ft **EASTING** 761889.422 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MS/MSD-05 at 10-12' (P, S, M); DUP-12 at 8-10' (P, S); clay aquitard encountered at 23' bgs; final sample collected from 22-23' bgs

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	SSHS-B3554-SUB-0-2		SAND, light brown, poorly graded, fine grained, moist, dense CLAY, brown, very stiff, medium plasticity, with silt SILTY SAND, black, well graded, sand fine to coarse grained, moist, dense, fill	0.7
2		67	SSHS-B3554-SUB-2-4		SILTY SAND, black, well graded, sand fine to coarse grained, moist, dense, fill SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, sand fine to coarse grained, moist, dense, with silt, fill	0.5
4		83	SSHS-B3554-SUB-4-6		SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, sand fine to coarse grained, moist, dense, with silt, fill	1.2
6		100	SSHS-B3554-SUB-6-8		GRAVEL, light brown to brown, well graded, subangular gravel, moist, medium dense, with fine to coarse sand	0.7
8		100	SSHS-B3554-SUB-8-10		GRAVEL, light brown to brown, well graded, subangular gravel, moist, medium dense, with fine to coarse sand	0.1
10						

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B3554-SUB-10-12		SAND, brown, well graded, well rounded gravel, moist, medium dense, with gravel, fine grained sand	0
12		79	SSHS-B3554-SUB-12-14		SAND, light brown to brown, well graded, subangular gravel, sand fine to coarse grained, moist, with gravel	0
14		100	SSHS-B3554-SUB-14-16		GRAVEL, brown and light gray, well graded, subangular gravel, dry, dense, with fine to coarse grained sand SANDY GRAVEL, brown, well graded, subangular, sand fine grained, wet, dense	0.7
16		71	SSHS-B3554-SUB-16-18		GRAVEL, brown, well graded, subrounded gravel, wet, dense, with fine to coarse grained sand, and silt SAND, brown, poorly graded, well rounded gravel, fine grained, saturated, medium dense, trace gravel	0.3
18		67	SSHS-B3554-SUB-18-20		Loose, GRAVEL, with coarse grained sand, in brown mud, wet, gray, poorly graded, well rounded gravel	0.8
20		96	SSHS-B3554-SUB-20-22		Loose, GRAVEL, with coarse grained sand, in brown mud, wet, gray, poorly graded, well rounded gravel	0.8

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BORING B3554

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22					SAND, brown, poorly graded, well rounded gravel, wet, dense, trace	
		100	SSHS-B3554-SUB-22-24		CLAY, gray, stiff, medium plasticity	1.6
24					Bottom of borehole at 24.0 feet.	

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BORING B3265A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/21 **COMPLETED** 1/22/21
NORTHING 755356.187 ft **EASTING** 761893.378 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MS/MSD at 10-12' (P, V, S, M, EC), DUP-7 at 8-10' (P, S, M)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B3265A-SUB-0-2		SILT, light brown to brown, moist, dense, with fine sand	
					SAND, dark brown to black, well graded, moist, medium dense, trace gravel, fine to coarse grained sand, subrounded gravel, fill	0.9
2		67	SSHS-B3265A-SUB-2-4		GRAVEL, brown, well graded, dry, medium dense, with fine to coarse sand, angular to subangular gravel, fill, black fine sand from 2.5-2.75'	1.3
4		67	SSHS-B3265A-SUB-4-6		SILTY SAND, brown and gray, well graded, moist, dense, with gravel, fine to coarse sand, angular gravel, fill	1.6
6		88	SSHS-B3265A-SUB-6-8		SILTY SAND, brown and gray, well graded, moist, dense, with gravel, fine to coarse sand, angular gravel, fill	1.9
8		88	SSHS-B3265A-SUB-8-10		SILTY SAND, brown and gray, well graded, moist, dense, with gravel, fine to coarse sand, angular gravel, fill	0
10						

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		92	SSHS-B3265A-SUB-10-12		SILTY SAND, brown and gray, well graded, moist, dense, with gravel, fine to coarse sand, angular gravel, fill	0.1
12		100	SSHS-B3265A-SUB-12-14		GRAVEL, light brown to brown, well graded, dry, dense, with silt, and sand, subangular gravel	0.6
14		50	SSHS-B3265A-SUB-14-16		GRAVEL, brown, moderately graded, wet, loose, with medium to coarse sand, subrounded gravel	0
16		54	SSHS-B3265A-SUB-16-18		GRAVEL, brown, moderately graded, wet, loose, with medium to coarse sand, subrounded gravel	0.2
18		50	SSHS-B3265A-SUB-18-20		GRAVEL, brown, moderately graded, wet, medium dense, with medium to coarse sand, well rounded gravel	0.1
20		71	SSHS-B3265A-SUB-20-22		GRAVEL, brown, moderately graded, wet, medium dense, with medium to coarse sand, well rounded gravel	0.9

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BORING B3265A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		67	SSHS-B3265A-SUB-22-24		GRAVEL, brown, moderately graded, wet, medium dense, with medium to coarse sand, well rounded gravel	0.9
24					Bottom of borehole at 24.0 feet.	

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BORING B3454

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/22/21 **COMPLETED** 1/22/21
NORTHING 755371.186 ft **EASTING** 761934.02 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MS/MSD-3 at 12-14' (P, S, M); DUP-8 at 10-12' (P, S, M)

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				No sample collected	
2.5					
5.0					
7.5					

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BORING B3454

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B3454-SUB-10-12		Dense, SAND, with gravel, sand fine to coarse grained, dry, gray and light brown, well graded, subangular gravel	0
12.5		SSHS-B3454-SUB-12-14		Medium dense, SAND, with gravel, sand fine to coarse grained, dry, brown to dark brown, well graded, subrounded to subangular gravel	0.1
15.0		SSHS-B3454-SUB-14-16		Loose, SAND, with gravel, sand fine to coarse grained, subrounded gravel	0.9
		SSHS-B3454-SUB-16-18		Loose, GRAVEL, with coarse sand, wet, brown, poorly graded, subrounded gravel, odor	22
17.5		SSHS-B3454-SUB-18-20		Very loose, GRAVEL, with coarse sand, wet, gray, poorly graded, well rounded gravel, odor	108.1
20.0		SSHS-B3454-SUB-20-22		Medium dense, SAND, trace gravel, saturated, brown, poorly graded, well rounded gravel, fine grained sand	13.7

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BORING B3454

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5				Medium dense, SAND, trace gravel, saturated, dark gray, poorly graded, well rounded gravel, odor	
		SSHS-B3454-SUB-22-24		Stiff, CLAY, gray, medium plasticity, final sample collected from 22-23' due to clay at 23'	392
				Bottom of borehole at 24.0 feet.	
25.0					
27.5					
30.0					
32.5					

22.5

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BORING B13A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/21 **COMPLETED** 1/23/21
NORTHING 755228.295 ft **EASTING** 761784.104 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		96	SSHS-B13A-SUB-2-4		SILTY SAND, brown to dark brown, well graded, moist, trace gravel, fine to coarse grained sand, subangular gravel, fill	0.2
4		96	SSHS-B13A-SUB-4-6		SILTY SAND, brown to dark brown, well graded, moist, trace gravel, fine to coarse grained sand, subangular gravel, fill	0.1
6					Bottom of borehole at 6.0 feet.	

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BORING B3037A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/21 **COMPLETED** 1/23/21
NORTHING 755590.273 ft **EASTING** 761750.808 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5	SSHS-B3037A-SUB-2-4			SILTY SAND, with gravel, sand fine grained, moist, brown to black, well graded, subangular gravel	0
5.0	SSHS-B3037A-SUB-4-6			SILTY SAND, with gravel, sand fine grained, moist, brown to black, well graded, subangular gravel Crushed/pulverized CONCRETE, light gray, dry	0.2
7.5				Bottom of borehole at 6.0 feet.	

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BORING B3057A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/21 **COMPLETED** 1/23/21
NORTHING 755295.953 ft **EASTING** 761809.009 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		67	SSHS-B3057A-SUB-2-4		SILT, light brown to brown, well graded, moist, with clay, trace sand, trace gravel, subangular gravel, fill	0.2
4		63	SSHS-B3057A-SUB-4-6		SILT, light brown to brown, well graded, moist, medium dense, with clay, trace sand, trace gravel, subangular gravel, fill	0.2
6					Bottom of borehole at 6.0 feet.	

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BORING B3071A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/21 **COMPLETED** 1/23/21
NORTHING 755210.01 ft **EASTING** 761775.42 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		83	SSHS-B3017A-SUB-2-4		GRAVEL, dark brown to black, well graded, subangular, dry, dense, with fine to coarse grained sand, crushed brick at 2.75-2.85'	
					CLAY, brown, moist, stiff, medium plasticity, trace gravel	0.9
4		63	SSHS-B3017A-SUB-4-6		Stiff CLAY, with sand, medium plasticity, brown clay with black sand from 4.3-4.6' bgs	0.3
6					Bottom of borehole at 6.0 feet.	

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BORING B3455

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/21 **COMPLETED** 1/23/21
NORTHING 755312.17 ft **EASTING** 761954.95 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3455

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, sand fine grained, dry, loose	
			SSHS-B3455-SUB-10-12			0.6
12					SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, sand fine grained, dry, loose	
			SSHS-B3455-SUB-12-14			0.6
14					SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, sand fine grained, dry, loose	
			SSHS-B3455-SUB-14-16			0.5
16					FINE GRAINED SAND, brown, poorly graded, wet, medium dense	
			SSHS-B3455-SUB-16-18		GRAVEL, brown, moderately graded, well rounded gravel, wet, loose, with medium to coarse grained sand	0.8
18					GRAVEL, brown, moderately graded, well rounded gravel, wet, loose, with medium to coarse grained sand	
			SSHS-B3455-SUB-18-20			0.4
20					GRAVEL, brown, moderately graded, well rounded gravel, wet, loose, with medium to coarse grained sand	
			SSHS-B3455-SUB-20-22			0.2

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BORING B3455

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22			SSHS-B3455-SUB-22-24		GRAVEL, brown, moderately graded, well rounded gravel, wet, loose, with medium to coarse grained sand	0
24					Bottom of borehole at 24.0 feet.	

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BORING B3504A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/21 **COMPLETED** 1/23/21
NORTHING 754518.225 ft **EASTING** 762013.24 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, with clay, moist, brown	
		SSHS-B3504-SUB-0-2		Dense, SAND, with silt, and gravel, moist, dark brown to black, well graded, subangular gravel, fill	0.3
2.5		SSHS-B3504-SUB-2-4		Dense, GRAVEL, with silt, and sand, moist, brown and gray, well graded, subangular gravel, fill, crushed concrete at 2.5' and 2.75'	0.3
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3505A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/21 **COMPLETED** 1/23/21
NORTHING 754498.018 ft **EASTING** 762038.64 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				SILT, with stiff clay, moist, light brown, roots 0-2"	
		SSHS-B3505-SUB-0-2		SANDY GRAVEL, with silt, moist, brown to dark brown, well graded, subangular gravel, fill	0.1
2.5		SSHS-B3505-SUB-2-4		SANDY GRAVEL, with silt, moist, brown to dark brown, well graded, subangular gravel, fill	0.5
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3623

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/21 **COMPLETED** 1/23/21
NORTHING 755368.809 ft **EASTING** 761806.614 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	SSHS-B3623-SUB-0-2		SILT, brown, moist, dense, with clay, roots 0-2"	
					SILT, brown, well graded, subangular gravel, moist, dense, with clay, and fine to coarse grained sand, and gravel, fill	0.3
2		75	SSHS-B3623-SUB-2-4		SAND, light brown to brown, well graded, subrounded gravel, moist, medium dense, trace gravel, fine grained sand, fill	0.2
4					Bottom of borehole at 4.0 feet.	

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BORING B3624

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/21 **COMPLETED** 1/23/21
NORTHING 755328.258 ft **EASTING** 761835.715 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, dense, with clay	
		92	SSHS-B3624-SUB-0-2		SAND, dark brown and black, well graded, subangular gravel, moist, dense, with gravel, fill	0.1
2					CLAY, brown to light brown, well graded, subangular gravel, moist, stiff, medium plasticity, with fine to medium grained sand, and gravel, fill	
		92	SSHS-B3624-SUB-2-4			0.2
4					Bottom of borehole at 4.0 feet.	

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BORING LOG

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Boring ID B3625
Project No. MN0632/09/02
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rich + Zach
Rig type Geoprobe 7822DT

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 1/23/21
MS/MSD
Duplicate 17 (0.17-2) S

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	0.7	940	0-10" Dark brown silt w/ clay. Moist. Roots 0-2" 10-24" Dark brown to black sand w/ gravel and silt. Fine to coarse sand. Poorly sorted. Moist. Fill. Subangular.	24	24	S	
2	1.3	945	0-24" Brown and grey clay with fine sand, very stiff. Moist. Odor.	24	24	S (Hold)	2
4			EOB @ 4'				4
6							6
8							8
10							10

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BORING B3628

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/21 **COMPLETED** 1/23/21
NORTHING 755174.36 ft **EASTING** 761818.71 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		100	SSHS-B3628-SUB-0-2		SAND, dark brown and black, well graded, subangular gravel, sand fine grained, moist, very dense, with silt, and gravel	0.4
2					SAND, black to dark brown, well graded, moist, dense, with silt, fine to medium grained sand, fill	
		54	SSHS-B3628-SUB-2-4			0.1
4					Bottom of borehole at 4.0 feet.	

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BORING B3015A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/23/21 **COMPLETED** 1/24/21
NORTHING 755344.996 ft **EASTING** 761971.928 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MS/MSD-1 at 12-14' (P, S, M, V, EC); DUP-3 at 10-12' (P, S, M, V, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3015A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3016A-SUB-10-12		SANDY GRAVEL, light brown and gray, well graded, subangular gravel, sand fine grained, dry, medium dense, with silt, fill	0.1
12		79	SSHS-B3016A-SUB-12-14		SANDY GRAVEL, light brown and gray, well graded, subangular gravel, sand fine grained, dry, medium dense, with silt, fill	0
14		54	SSHS-B3016A-SUB-14-16		SAND, brown, well graded, subrounded to subangular gravel, sand fine grained, moist, dense, with gravel, fill	0.6
16		54	SSHS-B3016A-SUB-16-18		GRAVEL, gray, poorly graded, well rounded gravel, wet, loose, with coarse grained sand	0.1
18		58	SSHS-B3016A-SUB-18-20		SAND, brown, poorly graded, well rounded gravel, saturated, medium dense, trace gravel	0.2
20		67	SSHS-B3016A-SUB-20-22		SAND, brown, poorly graded, well rounded gravel, saturated, medium dense, trace gravel	0.5

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BORING B3015A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		71	SSHS-B3016A-SUB-22-24		GRAVEL, gray, poorly graded, well rounded gravel, wet, loose, with coarse grained sand	0.1
24					Bottom of borehole at 24.0 feet.	

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BORING B3001A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755731.665 ft **EASTING** 761877.734 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES DUP-2 at 2-4' (P, S, M, V, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		71	SSHS-B3001A-SUB-2-4		CLAY, dark brown, well graded, subangular gravel, moist, medium stiff, medium plasticity, with fine to coarse grained sand, trace gravel, fill	1.6
4		100	SSHS-B3001A-SUB-4-6		SAND, brown, well graded, subangular gravel, dry, medium dense, with gravel, fine grained sand, fill	0
6					Bottom of borehole at 6.0 feet.	

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BORING B3087A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755451.729 ft **EASTING** 761547.564 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		83	SSHS-3087A-SUB-2-4		SAND, brown to black, well graded, subangular gravel, sand fine grained, moist, dense, with silt, and gravel, fill	0.2
4		83	SSHS-3087A-SUB-4-6		SAND, brown to black, well graded, subangular gravel, sand fine grained, moist, dense, with silt, and gravel, fill	0
6					Bottom of borehole at 6.0 feet.	

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BORING B3261A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755318.248 ft **EASTING** 761673.481 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		83	SSHS-B3261A-SUB-2-4		SAND, black, poorly graded, moist, medium dense, fine grained sand, fill	
					CLAY, brown, well graded, well rounded gravel, moist, stiff, medium plasticity, with gravel, fill	0.9
4		83	SSHS-B3261A-SUB-4-6		SILTY GRAVEL, brown, well graded, subrounded to rounded gravel, moist, medium dense, with fine to coarse grained sand, fill	0.4
6					Bottom of borehole at 6.0 feet.	

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BORING B3500A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 754551.606 ft **EASTING** 761950.383 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES DUP-10 at 0.17-2' (P)

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, with clay, moist, light brown, roots 0-2"	
		SSHS-B3500-SUB-0-2		Medium stiff, CLAY, with gravel, moist, dark brown, subrounded gravel, medium plasticity, fill	0
2.5		SSHS-B3500-SUB-2-4		Medium stiff, CLAY, with gravel, moist, light brown to dark brown, subrounded gravel, medium plasticity, fill	0
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3501A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 754525.762 ft **EASTING** 761960.519 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, with clay, light brown, roots 0-2"	
		SSHS-B3501-SUB-0-2		Dense, SILTY SAND, trace gravel, sand fine grained, moist, brown to dark brown, well graded, subrounded gravel, fill	0
2.5		SSHS-B3501-SUB-2-4		Dense, SILTY SAND, trace gravel, sand fine grained, moist, brown to dark brown, well graded, subrounded gravel, fill	0
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3502A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 754539.771 ft **EASTING** 761989.724 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, with clay, moist, light brown, roots 0-2"	
		SSHS-B3502-SUB-0-2		Dense, SILTY SAND, with gravel, sand fine grained, moist, brown, well graded, subangular gravel, fill	0.2
2.5		SSHS-B3502-SUB-2-4		Dense, SILTY SAND, with gravel, sand fine grained, moist, brown, well graded, subangular gravel, fill	0.4
2.5				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3516

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755427.774 ft **EASTING** 761694.581 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		71	SSHS-B3516-SUB-2-4		SAND, brown and black, well graded, sand fine grained, dry, medium dense, with silt, fill	0.2
4		75	SSHS-B3516-SUB-4-6		FINE GRAINED SAND, brown, poorly graded, moist, loose, fill	0.3
6					Bottom of borehole at 6.0 feet.	

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BORING B3521

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755573.683 ft **EASTING** 761739.685 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
6		50	SSHS-B3521-SUB-6-8		CLAY, brown to light brown, well graded, well rounded gravel, moist, medium stiff, medium plasticity, trace gravel, fill	0.3
8		58	SSHS-B3521-SUB-8-10		CLAY, brown to light brown, well graded, well rounded gravel, moist, medium stiff, medium plasticity, trace gravel, fill	0.3
10					Bottom of borehole at 10.0 feet.	

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BORING B3603

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755558.476 ft **EASTING** 761743.584 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MS/MSD-06 at 0.17-2' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		83	SSHS-B3603-SUB-0-2		GRAVEL, brown, well graded, subangular gravel, moist, dense, with silt, and fine to coarse grained sand, fill	0.2
2					CLAY, light brown, well graded, well rounded gravel, moist, medium stiff, medium plasticity, trace gravel, fill	
		83	SSHS-B3603-SUB-2-4			0.2
4					Bottom of borehole at 4.0 feet.	

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BORING B3604

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755619.995 ft **EASTING** 761672.58 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		71	SSHS-B3604-SUB-0-2		CLAY, brown, well graded, subrounded gravel, moist, dense, with gravel, fill	0.1
2					SILTY SAND, brown and gray, well graded, subangular gravel, sand fine grained, moist, medium dense, with gravel, fill	
		67	SSHS-B3604-SUB-2-4			0.2
4					Bottom of borehole at 4.0 feet.	

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BORING B3605

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755576.822 ft **EASTING** 761653.867 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		83	SSHS-B3605-SUB-0-2		SILT, brown, well graded, subangular gravel, moist, medium dense, with gravel, and fine to coarse grained sand, fill	0
2					CLAY, brown, well graded, subrounded gravel, moist, medium stiff, medium plasticity, trace gravel, fill	
		50	SSHS-B3605-SUB-2-4			0.2
4					Bottom of borehole at 4.0 feet.	

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BORING B3606

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755515.059 ft **EASTING** 761797.581 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES DUP-14 at 0.17-2' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, dense, with clay, roots 0-2"	
		83	SSHS-B3606-SUB-0-2		SILTY CLAY, dark brown, well graded, subangular gravel, moist, medium stiff, with fine to coarse grained sand, and gravel, fill	0.4
2					CLAY, light brown, well graded, well rounded, moist, medium stiff, medium plasticity, trace gravel, fill	
		96	SSHS-B3606-SUB-2-4			0.3
4					Bottom of borehole at 4.0 feet.	

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BORING B3607

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755453.872 ft **EASTING** 761819.719 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		88	SSHS-B3607-SUB-0-2		CLAY, brown, well graded, well rounded gravel, moist, medium stiff, with silt, trace gravel, fill	0.6
2					CLAY, brown, well graded, well rounded gravel, moist, medium stiff, with silt, trace gravel, fill	
		92	SSHS-B3607-SUB-2-4			0.3
4					Bottom of borehole at 4.0 feet.	

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BORING B3608

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755525.394 ft **EASTING** 761745.68 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MS/MSD-07 at 0.17-2' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		88	SSHS-B3608-SUB-0-2		SILTY SAND, brown to black, well graded, sand fine grained, moist, medium dense, with gravel, fill, crushed concrete 1.1-1.3'	0.3
2					CLAY, brown to light brown, well graded, well rounded gravel, moist, medium stiff, medium plasticity, trace gravel, fill	
		88	SSHS-B3608-SUB-2-4			0.1
4					Bottom of borehole at 4.0 feet.	

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BORING B3609

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755416.163 ft **EASTING** 761791.939 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		96	SSHS-B3609-SUB-0-2		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, dense, with gravel, fill	0.4
2					CLAY, brown, well graded, well rounded gravel, moist, medium stiff, trace gravel, fill	
		100	SSHS-B3609-SUB-2-4			0.5
4					Bottom of borehole at 4.0 feet.	

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BORING B3610

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755490.253 ft **EASTING** 761726.268 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES DUP-15 at 0.17-2' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		88	SSHS-B3610-SUB-0-2		SILT, dark brown, well graded, subangular gravel, moist, dense, with fine to coarse grained sand, and gravel, fill	0.1
2					SILT, dark brown, well graded, subangular gravel, moist, dense, with fine to coarse grained sand, and gravel, fill	
		79	SSHS-B3610-SUB-2-4		CLAY, brown, well graded, well rounded gravel, moist, medium stiff, medium plasticity, trace gravel, fill	0
4					Bottom of borehole at 4.0 feet.	

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BORING B3611

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755431.999 ft **EASTING** 761751.101 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		100	SSHS-B3611-SUB-0-2		SILT, brown, well graded, subangular gravel, moist, medium dense, with fine to coarse grained sand, trace gravel, fill	0.7
2					SILT, brown, well graded, subangular gravel, moist, medium dense, with fine to coarse grained sand, trace gravel, fill	
		75	SSHS-B3611-SUB-2-4			0.2
4					Bottom of borehole at 4.0 feet.	

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BORING B3612

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755478.929 ft **EASTING** 761632.198 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		71	SSHS-B3612-SUB-0-2		CLAY, brown, well graded, angular gravel, medium grained, moist, stiff, medium plasticity, with gravel, fill	0.3
2					SILTY GRAVEL, brown and gray, well graded, subangular gravel, moist, very dense, with fine to coarse grained sand, fill	
		63	SSHS-B3612-SUB-2-4			0
4					Bottom of borehole at 4.0 feet.	

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BORING B3613

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755497.957 ft **EASTING** 761598.739 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, dense, with clay, roots 0-2"	
		88	SSHS-B3613-SUB-0-2		SILTY SAND, brown, well graded, subangular, sand fine grained, moist, with gravel, fill	0
2					SILTY SAND, brown, well graded, subangular, sand fine grained, moist, with gravel, fill	
		75	SSHS-B3613-SUB-2-4			0.2
4					Bottom of borehole at 4.0 feet.	

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BORING B3614

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755515.92 ft **EASTING** 761559.077 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, dense, with clay, roots 0-2"	
		100	SSHS-B3614-SUB-0-2		CLAY, brown to dark brown, well graded, subangular gravel, soft, medium plasticity, with fine to coarse grained sand, and gravel, fill	0.1
2					CLAY, brown to dark brown, well graded, subangular gravel, soft, medium plasticity, with fine to coarse grained sand, and gravel, fill	
		67	SSHS-B3614-SUB-2-4			0
4					Bottom of borehole at 4.0 feet.	

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BORING B3615

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755486.129 ft **EASTING** 761518.111 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MS/MSD-9 at 0.17-2' (S)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		79	SSHS-B3615-SUB-0-2		CLAY, brown, well graded, angular gravel, moist, stiff, medium plasticity, trace gravel, fill	0.7
2					SANDY GRAVEL, brown, well graded, subangular gravel, dry, loose, fill	
		58	SSHS-B3615-SUB-2-4			0
4					Bottom of borehole at 4.0 feet.	

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BORING B3616

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755455.735 ft **EASTING** 761509.478 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		88	SSHS-B3616-SUB-0-2		SAND, brown to black, well graded, subangular gravel, sand fine grained, moist, medium dense, with silt, trace gravel, fill	0
2					SAND, brown to black, well graded, subangular gravel, sand fine grained, moist, medium dense, with silt, trace gravel, fill	
		63	SSHS-B3616-SUB-2-4			0.1
4					Bottom of borehole at 4.0 feet.	

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BORING B3617

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755471.922 ft **EASTING** 761675.26 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		96	SSHS-B3617-SUB-0-2		SILTY GRAVEL, brown, well graded, subangular gravel, moist, dense, with fine to coarse grained sand, fill	0.3
2					SILTY GRAVEL, brown, well graded, subangular gravel, moist, dense, with fine to coarse grained sand, fill	
		83	SSHS-B3617-SUB-2-4			0.1
4					Bottom of borehole at 4.0 feet.	

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BORING B3618

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755434.054 ft **EASTING** 761692.225 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		83	SSHS-B3618-SUB-0-2		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, dense, with gravel, fill	0.1
2					SAND, black, poorly graded, subrounded gravel, sand fine grained, dry, very loose	
		71	SSHS-B3618-SUB-2-4		CLAY, brown, well graded, well rounded gravel, moist, medium stiff, medium plasticity, trace gravel	0.3
4					Bottom of borehole at 4.0 feet.	

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BORING B3619

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755401.597 ft **EASTING** 761709.918 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, dense, with clay, roots 0-2"	
		100	SSHS-B3619-SUB-0-2		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, medium dense, with gravel, fill	0.4
2					SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, medium dense, with gravel, fill	
		83	SSHS-B3619-SUB-2-4			0.2
4					Bottom of borehole at 4.0 feet.	

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BORING B3620

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755342.406 ft **EASTING** 761692.573 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES DUP-16 at 0.17-2' (P, S)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B3620-SUB-0-2		SILT, light brown, moist, dense, with clay, roots 0-2"	
					SAND, black, poorly graded, subangular gravel, dry, loose, fine to medium grained sand, fill	0.3
2		58	SSHS-B3620-SUB-2-4		CLAY, dark brown to black, moist, medium stiff, medium plasticity, fill	
					GRAVEL, brown and gray, well graded, subrounded gravel, dry, dense, with silt, and fine to coarse grained sand	0.7
4					Bottom of borehole at 4.0 feet.	

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BORING B3621

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755332.595 ft **EASTING** 761721.169 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
					SAND, brown, well graded, subangular gravel, dry, dense, with fine to coarse grained sand, and gravel, fill	
		100	SSHS-B3621-SUB-0-2		SAND, black, well graded, subangular gravel, sand fine grained, dry, medium dense, with gravel, fill	0.4
2					SAND, black, well graded, subangular gravel, sand fine grained, dry, medium dense, with gravel, fill	
					SILTY SAND, light brown, well graded, subrounded gravel, sand fine grained, moist, medium dense, with gravel, fill	
		100	SSHS-B3621-SUB-2-4		CLAY, brown, moist, stiff, medium plasticity	0.2
4					Bottom of borehole at 4.0 feet.	

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BORING B3622

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755350.062 ft **EASTING** 761748.578 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		88	SSHS-B3622-SUB-0-2		SILTY SAND, dark brown to black, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	0.2
2					SILTY SAND, dark brown to black, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	
		92	SSHS-B3622-SUB-2-4		CLAY, brown, moist, medium stiff, medium plasticity	0.1
4					Bottom of borehole at 4.0 feet.	

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BORING B3631

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/25/21 **COMPLETED** 1/25/21
NORTHING 755403.035 ft **EASTING** 761702.127 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Nn sample collected	
2		96	SSHS-B3631-SUB-2-4		SAND, brown and black, well graded, subrounded gravel, dry, loose, with silt, trace gravel, medium grained sand, fill	0.4
4		79	SSHS-B3631-SUB-4-6		CLAY, brown, well graded, well rounded gravel, moist, medium stiff, medium plasticity, trace gravel	0.4
6					Bottom of borehole at 6.0 feet.	

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BORING B3181A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755391.602 ft **EASTING** 761572.652 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES DUP-5 at 2-4' (P, S, M)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		100	SSHS-B3181A-SUB-2-4		SILT, dark brown, well graded, subangular gravel, moist, dense, with fine to coarse grained sand, and gravel, fill	0
4		75	SSHS-B3181A-SUB-4-6		SANDY GRAVEL, brown, well graded, subangular gravel, sand fine grained, dense, with silt, fill	0.2
6					Bottom of borehole at 6.0 feet.	

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BORING B3182A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755371.535 ft **EASTING** 761584.606 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		67	SSHS-B3182A-SUB-2-4		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, dense, with gravel, fill	0
4		75	SSHS-B3182A-SUB-4-6		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, dense, with gravel, fill	0
6					Bottom of borehole at 6.0 feet.	

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BORING B3224A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755324.009 ft **EASTING** 761536.122 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES DUP-6 at 2-4' (S, T)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		83	SSHS-B3224A-SUB-2-4		SAND, dark brown to black, well graded, subangular gravel, sand fine grained, dry, with silt, and gravel, fill	0.2
4		100	SSHS-B3224A-SUB-4-6		SAND, dark brown to black, well graded, subangular gravel, sand fine grained, dry, with silt, and gravel, fill SILTY SAND, brown, well graded, well rounded to subrounded gravel, sand fine grained, moist, dense, with gravel, fill	0
6					Bottom of borehole at 6.0 feet.	

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BORING B3247A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755425.91 ft **EASTING** 761564.492 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES Boring log starts at 10' bgs

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3247A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3247A-SUB-10-12		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, very dense, with gravel, fill	0.1
12		100	SSHS-B3247A-SUB-12-14		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, very dense, with gravel, fill	0.2
14					Bottom of borehole at 14.0 feet.	

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BORING B3260A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755293.093 ft **EASTING** 761539.6 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
4		58	SSHS-B3260A-SUB-4-6		SILTY SAND, brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	0.3
6		79	SSHS-B3260A-SUB-6-8		SILTY SAND, brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	0.1
8					Bottom of borehole at 8.0 feet.	

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BORING B3481A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755285.649 ft **EASTING** 761601.881 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES DUP-9 at 2-4' (P, S)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		79	SSHS-B3481A-SUB-2-4		SILTY SAND, brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	0
4		83	SSHS-B3481A-SUB-4-6		SILTY SAND, brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	0
6					Bottom of borehole at 6.0 feet.	

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BORING B3490A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755283.862 ft **EASTING** 761536.204 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		75	SSHS-B3490A-SUB-2-4		SILTY SAND, black to dark brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	0
4		71	SSHS-B3490A-SUB-4-6		SILTY SAND, black to dark brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	0.1
6					Bottom of borehole at 6.0 feet.	

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BORING B3491A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755364.99 ft **EASTING** 761508.27 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-2"	
		71	SSHS-B3491A-SUB-0-2		SANDY GRAVEL, brown and gray, well graded, well rounded to subrounded gravel, sand fine grained, moist, dense, with silt, fill	0
2					SANDY GRAVEL, brown and gray, well graded, well rounded to subrounded gravel, sand fine grained, moist, dense, with silt, fill	
		71	SSHS-B3491A-SUB-2-4			0
4					SILTY SAND, brown, well graded, subangular gravel, sand fine grained, dry, dense, with gravel, fill	
		79	SSHS-B3491A-SUB-4-6			0
6					Bottom of borehole at 6.0 feet.	

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BORING B3507A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 754469.148 ft **EASTING** 762055.905 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense, SILT, with clay, moist, light brown, roots 0-2"	
		SSHS-B3507-SUB-0-2		Dense, SILTY SAND, with gravel, sand fine grained, moist, brown, well graded, subrounded gravel, fill	0
2.5		SSHS-B3507-SUB-2-4		Dense, SAND, with silt, trace gravel, sand fine grained, brown and black, well graded, subrounded gravel, fill	0
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3518

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755122.567 ft **EASTING** 761895.453 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		100	SSHS-B3518-SUB-2-4		SILTY SAND, brown, well graded, subrounded gravel, sand fine grained, dense, with gravel, fill	0
4		67	SSHS-B3518-SUB-4-6		SILTY SAND, brown, well graded, subrounded gravel, sand fine grained, dense, with gravel, fill	0
6					Bottom of borehole at 6.0 feet.	

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BORING B3594

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755277.456 ft **EASTING** 761578.546 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		63	SSHS-B3594-SUB-0-2		SILT, light brown, moist, dense, with clay SILTY SAND, brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	0
2		63	SSHS-B3594-SUB-2-4		SILTY SAND, brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	0.1
4		83	SSHS-B3594-SUB-4-6		GRAVEL, brown and gray, well graded, subrounded gravel, dry, with fine to coarse grained sand, fill	0
6					Bottom of borehole at 6.0 feet.	

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BORING B3634

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755464.768 ft **EASTING** 761561.655 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
6		71	SSHS-B3634-SUB-6-8		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, dense, with gravel, fill, crushed concrete 6.3-6.4 ft	0.1
8		88	SSHS-B3634-SUB-8-10		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, dense, with gravel, fill	0.4
10					Bottom of borehole at 10.0 feet.	

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BORING B3635

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755460.563 ft **EASTING** 761527.103 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
6		71	SSHS-B3635-SUB-6-8		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, medium dense, with gravel, fill	0.1
8		92	SSHS-B3635-SUB-8-10		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, medium dense, with gravel, fill	0.3
10					Bottom of borehole at 10.0 feet.	

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BORING B3636

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755425.811 ft **EASTING** 761543.206 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
6					SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, dense, with gravel, Crushed gray CONCRETE	
		71	SSHS-B3636-SUB-6-8		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, dense, with gravel, fill	0
8					SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, dense, with gravel, fill	
		92	SSHS-B3636-SUB-8-10			0.6
10					Bottom of borehole at 10.0 feet.	

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BORING B3637

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755428.643 ft **EASTING** 761590.958 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES Soil boring log starts at 8ft bgs

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
8		88	SSHS-B3637-SUB-8-10		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, dry, with gravel, fill	0.1
10						

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BORING B3637

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3637-SUB-10-12		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, dry, with gravel, fill	0.1
12					Bottom of borehole at 12.0 feet.	

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BORING B3638

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/26/21 **COMPLETED** 1/26/21
NORTHING 755408.245 ft **EASTING** 761534.646 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES Soil boring log starts at 8ft bgs

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
8		92	SSHS-B3638-SUB-8-10		SILTY SAND, brown, well graded, subangular to angular gravel, sand fine grained, dry, medium dense, with gravel, fill	0.2
10						

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BORING B3638

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		96	SSHS-B3638-SUB-10-12		SILTY SAND, brown, well graded, subangular to angular gravel, sand fine grained, dry, medium dense, with gravel, fill	0.4
12					Bottom of borehole at 12.0 feet.	

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BORING B3042A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 755305.95 ft **EASTING** 761861.138 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83			No sample collected	
2			SSHS-B3042A-SUB-2-4		SILT, brown, moist, dense, with fine to medium grained sand	0.9
4					Bottom of borehole at 4.0 feet.	

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BORING B3061A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 755067.42 ft **EASTING** 761893.55 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		92	SSHS-B3061A-SUB-2-4		SAND, dark brown to brown, well graded, sand fine grained, moist, very dense, and gravel, fill, crushed gray rock (fill) 2.5-3ft	0.3
4		100	SSHS-B3061A-SUB-4-6		SAND, dark brown to brown, well graded, sand fine grained, moist, very dense, and gravel, fill	0.9
6					CLAY, brown, moist, stiff, medium plasticity, with silt	

Bottom of borehole at 6.0 feet.

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BORING B3073A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 755098.78 ft **EASTING** 761811.94 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES Dup-4 at 2-4' (P, S, M)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		100	SSHS-B3073A-SUB-2-4		SILTY SAND, brown to dark brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	0
4		50	SSHS-B3073A-SUB-4-6		SILTY SAND, brown to dark brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	1
6					Bottom of borehole at 6.0 feet.	

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BORING B3268A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 755316.59 ft **EASTING** 761886.91 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-1"	
		100	SSHS-B3268A-SUB-0-2		SANDY GRAVEL, brown, well graded, subrounded gravel, sand fine grained, moist, dense, with silt, fill, crushed brick 12-17"	0.4
2					SANDY GRAVEL, brown, well graded, subrounded gravel, sand fine grained, moist, dense, with silt	
		71	SSHS-B3268A-SUB-2-4			0.3
4					Bottom of borehole at 4.0 feet.	

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BORING B3286A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 755159.463 ft **EASTING** 761891.486 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4		75	SSHS-B3268A-SUB-4-6		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, dense, with gravel, fill	0.9
6		96	SSHS-B3268A-SUB-6-8		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, dense, with gravel, fill	0.8
8					Bottom of borehole at 8.0 feet.	

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BORING B3304A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 755006.438 ft **EASTING** 761869.284 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
4		67	SSHS-B3304A-SUB-4-6		CLAY, dark brown to brown, moist, stiff, low to medium plasticity, with silt, with fine grained sand	0
6		96	SSHS-B3304A-SUB-6-8		SILTY SAND, brown, well graded, subrounded gravel, sand fine grained, dense, with gravel, fill	0.5
8					Bottom of borehole at 8.0 feet.	

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BORING B3519

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 755159.115 ft **EASTING** 761867.28 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		88	SSHS-B3519-SUB-2-4		SILTY SAND, brown, well graded, subangular gravel, sand fine grained, moist, medium dense, with gravel, fill	0.7
4		79	SSHS-B3519-SUB-4-6		CLAY, brown, well graded, subangular gravel, moist, stiff, with fine to coarse grained sand, and gravel, fill	1.9
6					Bottom of borehole at 6.0 feet.	

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BORING B3626

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 755188.958 ft **EASTING** 761924.041 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-1"	
		83	SSHS-B3626-SUB-0-2		SILTY SAND, brown to dark brown, well graded, subangular gravel, sand fine grained, moist, dense, with gravel, fill	0.7
2					SILTY SAND, brown to dark brown, well graded, subangular gravel, sand fine grained, moist, dense, with gravel, fill	
		75	SSHS-B3626-SUB-2-4			0.8
4					Bottom of borehole at 4.0 feet.	

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BORING B3630

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 755025.85 ft **EASTING** 761876.74 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		96	SSHS-B3630-SUB-2-4		SILTY SAND, brown to black, well graded, subrounded gravel, sand fine grained, dry to moist, dense, with gravel, fill	0
4		88	SSHS-B3630-SUB-4-6		SILTY SAND, brown to black, well graded, subrounded gravel, sand fine grained, dry to moist, dense, with gravel, fill SILT, black, moist, very dense, with fine sand	0
6					Bottom of borehole at 6.0 feet.	

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BORING B3632

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 754967.108 ft **EASTING** 761947.127 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
		75	SSHS-B3632-SUB-0-2			0
2					SILT, brown, well graded, subangular gravel, very dense, with fine to coarse grained sand, and gravel, fill	
		83	SSHS-B3632-SUB-2-4			0
4					CLAY, brown, well graded, well rounded gravel, moist, soft, medium plasticity, with gravel, fill	
6					Bottom of borehole at 6.0 feet.	

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BORING B3633

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 754897.02 ft **EASTING** 761880.43 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		79	SSHS-B3633-SUB-2-4		SILT, brown to dark brown, well graded, well rounded gravel, moist, very dense, with gravel, fill	0
4		96	SSHS-B3633-SUB-4-6		SILT, brown to dark brown, well graded, well rounded gravel, moist, very dense, with gravel, fill CLAY, brown, moist, stiff, medium plasticity	0.1
6					Bottom of borehole at 6.0 feet.	

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BORING B3639

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 755103.799 ft **EASTING** 761905.168 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					GRAVEL, gray, angular, very loose	
					SILT, brown, moist, dense, and clay	
		100	SSHS-B3639-SUB-0-2		SILTY SAND, brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	1.1
2					SILTY SAND, brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	
		92	SSHS-B3639-SUB-2-4		CLAY, brown, moist, stiff, medium plasticity	0
4					Bottom of borehole at 4.0 feet.	

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BORING B3643

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 755060.64 ft **EASTING** 761802.31 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with fine grained sand	
		83	SSHS-B3643-SUB-0-2		SILTY SAND, dark brown, well graded, subrounded gravel, sand fine grained, very dense, with gravel, fill	0.5
2					SILTY SAND, dark brown, well graded, subrounded gravel, sand fine grained, very dense, with gravel, fill	
		75	SSHS-B3643-SUB-2-4			0.7
4					Bottom of borehole at 4.0 feet.	

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BORING B3650

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 755294.059 ft **EASTING** 761885.708 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES Dup-20 at 0.17-2' (T)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		79	SSHS-B3650-SUB-0-2		CLAY, light brown, moist, dense, with silt, roots 0-2"	
					SILT, brown, well graded, subrounded gravel, moist, dense, with fine grained sand, trace gravel, fill	1.2
2		63	SSHS-B3650-SUB-2-4		SILT, brown, well graded, subrounded gravel, moist, dense, with fine grained sand, trace gravel, fill	0.9
4					Bottom of borehole at 4.0 feet.	

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BORING B3651

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/27/21 **COMPLETED** 1/27/21
NORTHING 755320.154 ft **EASTING** 761887.252 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES Dup-21 at 0.17-2' (T)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, light brown, moist, dense, with clay, roots 0-1"	
		92	SSHS-B3651-SUB-0-2		SILTY SAND, brown, well graded, subrounded gravel, sand fine grained, moist, dense, with gravel, fill	0.7
2					CLAY, brown, well graded, subrounded gravel, moist, stiff, medium plasticity, with silt, trace fine to coarse grained sand, trace gravel, fill	
		71	SSHS-B3651-SUB-2-4			0.7
4					Bottom of borehole at 4.0 feet.	

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BORING B3049A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/28/21 **COMPLETED** 1/28/21
NORTHING 755098.78 ft **EASTING** 761811.94 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0			SSHS-B3049A-SUB-0-2		No sample collected	2.3
2		100			SANDY GRAVEL, gray, well graded, subrounded gravel, sand fine grained, dry, dense	
4					GRAVELLY SAND, brown, poorly graded, moist, dense, fine to medium grained sand	
					Bottom of borehole at 4.0 feet.	

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BORING B3322A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/28/21 **COMPLETED** 1/28/21
NORTHING 754940.09 ft **EASTING** 761999.7 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B3322A-SUB-0-2		SILTY SAND, brown, moderately graded, moist, dense, trace gravel, fine to medium grained sand	
					CONCRETE fragments	3.1
					GRAVELLY SAND, brown, poorly graded, sand fine grained, moist, dense	
2		100	SSHS-B3322A-SUB-2-4		GRAVELLY SAND, brown, well graded, sand fine grained, moist, dense	2.4
4					Bottom of borehole at 4.0 feet.	

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BORING B3600

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/28/21 **COMPLETED** 1/28/21
NORTHING 754914.422 ft **EASTING** 762210.292 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES Soil boring started at 16' bgs

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3600

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16					SANDY GRAVEL, gray, well graded, well rounded gravel, wet, dense	
		54	SSHS-B3600-SUB-16-18			5.7
18					SANDY GRAVEL, gray, well graded, subangular gravel, wet, dense	
		79	SSHS-B3600-SUB-18-20			3.2
20					Bottom of borehole at 20.0 feet.	

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BORING B3601

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/28/21 **COMPLETED** 1/28/21
NORTHING 754924.573 ft **EASTING** 762194.883 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES Soil boring started at 16' bgs

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3601

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16					SANDY GRAVEL, gray, moderately graded, subrounded gravel, wet, dense, medium to coarse grained sand	
		71	SSHS-B3601-SUB-16-18			4
18					SANDY GRAVEL, gray, well graded, well rounded gravel, wet, dense, some cobbles, medium to coarse grained sand	
		63	SSHS-B3601-SUB-18-20			3.4
20					Bottom of borehole at 20.0 feet.	

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BORING B3657

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/28/21 **COMPLETED** 1/28/21
NORTHING 754895.809 ft **EASTING** 762013.33 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B3657-SUB-0-2		SILTY SAND, brown, well graded, sand fine grained, moist, dense	2.4
2		88	SSHS-B3657-SUB-2-4		GRAVELLY SAND, dark gray, well graded, moist, dense, medium to coarse grained sand GRAVELLY SAND, dark gray, well graded, moist, dense, medium to coarse grained sand GRAVELLY SAND, brown, well graded, sand fine grained, moist, dense	2.7
4					Bottom of borehole at 4.0 feet.	

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BORING B3658

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/28/21 **COMPLETED** 1/28/21
NORTHING 754904.9 ft **EASTING** 761986.35 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B3658-SUB-0-2		SILTY SAND, brown to dark brown, poorly graded, sand fine to medium grained, dry, dense, trace gravel	1.1
2		100	SSHS-B3658-SUB-2-4		GRAVELLY SAND, brown, poorly graded, sand fine to medium grained, dry, dense	1.9
					GRAVELLY SAND, brown, poorly graded, sand fine to medium grained, dry, dense, CONCRETE fragments	
					GRAVELLY SAND, brown, poorly graded, sand fine to medium grained, dry, dense	
4					Bottom of borehole at 4.0 feet.	

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BORING B3668

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/28/21 **COMPLETED** 1/28/21
NORTHING 754921.473 ft **EASTING** 762208.396 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES Soil boring starts at 10ft bgs

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3668

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		50	SSHS-B3668-SUB-10-12		GRAVELLY SAND, brown, moist, medium dense, medium to coarse grained sand	2
12		100	SSHS-B3668-SUB-12-14		Medium to coarse grained sand White crushed CONCRETE Medium to coarse grained sand	4.4
14		67	SSHS-B3668-SUB-14-16		SANDY GRAVEL, gray, poorly graded, well rounded gravel, wet, dense	5.4
16					Bottom of borehole at 16.0 feet.	

DRAFT

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BORING B3669

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/28/21 **COMPLETED** 1/28/21
NORTHING 754930.549 ft **EASTING** 762197.926 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES Soil boring log starts at 10ft bgs

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

DRAFT

(Continued Next Page)

ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3669

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		50	SSHS-B3669-SUB-10-12		SANDY GRAVEL, brown, well graded, well rounded gravel, dry, dense	1.5
12		67	SSHS-B3669-SUB-12-14		CONCRETE fragments	2
14		63	SSHS-B3669-SUB-14-16		SANDY GRAVEL, brown, poorly graded, subrounded gravel, wet, dense CONCRETE fragments	2.8
16					Bottom of borehole at 16.0 feet.	

DRAFT

ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

BORING LOG

Geosyntec consultants

Boring ID B3792-A
Project No. MN0822G/09/02
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rider Roger
Rig type Geoprobe 7220DT

Geologist CB
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 1/29/21
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
2							2
4	0.4	0950	0-12" Brown, Gravelly Sand. Moist. Dense. Medium to coarse Sand. Well rounded gravel. Poorly sorted. 12-20" Brown, Clayey Sand. Moist to wet, dense, fine Sand. Well sorted.	24	20	S	4
6	1.1	0955	0-14" Brown, Gravelly Sand. Moist. Dense, med to coarse Sand. Well rounded gravel. Poorly sorted.	24	14	S(Hold)	6
8			EOB @ 8'				8
10							10

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BORING LOG

Geosyntec consultants

Boring ID B 3644
Project No. MN0802G09/02
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) A + R
Rig type Geoprobe 7720DT

Geologist CB
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 11-29-21
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
	1635	1.2	0-8 Asphalt 8~~-18~~-14 Brown Sandy Gravel. Dry. Dense. Well rounded. Well sorted 14-18": Brown, Gravelly Sand. Dry. Dense. Fine. Poorly sorted.	24	18	M	
	1640	1.4	0-10". Concrete frags. 10-22" Brown, Gravelly Sand. Dry. Dense. Fine to coarse. Poorly sorted.	24	22	P, S M, V T, EC	
			EOB @ 4'				
10							10

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BORING LOG

Geosyntec consultants

Boring ID	B 3646	Geologist	CB
Project No.	MN0832G/09/02	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	1/29/21
Driller/helper(s)	Kim Roger	MS/MSD	
Rig type	Geoprobe 7520DT	Duplicate	

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	1.1	1555	0-22" Brown Gravelly Sand, Dry. Dense Fine to Coarse. Poorly sorted	24	22	M	
	1.4	1600	0-15" Same as above with cobbles	24	15	M (Not d)	
			EOB @ 4'				

10

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BORING LOG

Geosyntec consultants

Boring ID B3647
Project No. MN08326/69/02
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) R + R
Rig type Geoprobe 7220 DT

Geologist CB
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 1/29/21
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	0.2	1655	0-8 Concrete fragments 8-14" Brown to dark Brown, Sand with medium Gravel. Medium to Coars Sand Poorly Sorted. 14-18 Same as above. Light Brower.	24	18"	M	
	0.0	1700	0-8 Concrete fragments 8-20" Brown, Gravelly Sand. Dry. Very Dense fine to med. Sand. Poorly Sorted	24	20	M(Hold)	
10							10

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BORING LOG

Geosyntec consultants

Boring ID B-3648
Project No. MN08326/09/02
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Richie Roger
Rig type Geoprobe 7720DT

Geologist CB
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 1/29/21
MS/MSD
Duplicate MS/MSD-08 (017-2) P

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	1.5	1420	0-17 - 8" Concrete/Asphalt 8-22 Brown. Gravelly Sand. Moist. Dense, Medium Sand. Poorly Sorted 22-24" Black and Brown Sand with coarse gravel fine Sand. Well sorted.	24	24	P	
		1430	0-16" Concrete fragments with sand and gravel 16-24" Brown Gravelly Sand. Dry. Dense. f. to med. Sand. Poorly sorted.	24	24	P (Hold	
			EOB @ 4'				
10							10

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BORING LOG

Geosyntec consultants

Boring ID B3C49
Project No. MN08826/09/02
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rich + Roger
Rig type Geoprobe 7220DT

Geologist CB
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 1/29/21
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	0.5	1450	0-5" Asphalt 5-22" Brown. Gravelly Sand. Dry. Dense. Med. to Coarse Sand. Medium Gravel. Poorly sorted. 22-24" Black Sand with gravel. Dry. Dense. fine to medium Sand. Well sorted.	24	24	P	
	1.0	1500	0-8" Asphalt/Concrete fragments 8-17" Brown. Gravelly Sand. Moist. Dense. Fine Sand and gravel. Well sorted. 17-24" Brown. Silty Sand. Moist to wet. Dense. Fine Sand. well sorted.	24	24	P (HOLD)	
10							10

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BORING LOG

Geosyntec consultants

Boring ID B3659
Project No. MN08326/09/02
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rich & Roger
Rig type Geoprobe 7720DT

Geologist CB
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 1/29/21
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
2							2
4							4
6							6
8							8
10							10

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BORING LOG

Project No. MN0832G B3659

Geosyntec consultants

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
10	1.3	1110	0-16" Brown, Gravelly Sand. Moist. Dense. fine to med. Sand. Poorly sorted.	24	16	T (Hold)	10
12	1.9	1120	0-17" Same as above, wet.	24	17	T	12
14	1.6	1140	0-13" Same as above.	24	13	T (Hold)	14
16			EOB @ 16'				16
18							18
20							20
22							22
24							24

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BORING LOG

Geosyntec consultants

Boring ID	B36-D	Geologist	D
Project No.	MN0832G/09/02	Drilling Method	Direct Push
Project Name	Former Sperry Remington-North	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	1/29/21
Driller/helper(s)	Rich + Roger	MS/MSD	
Rig type	Geoprobe 7720DT	Duplicate	DUP-26(12-14)T

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
2							2
4							4
6							6
8							8
10							10

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BORING LOG

Geosyntec consultants

Boring ID B3662
Project No. MN0832G/09/02
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rock + Roger
Rig type Geoprobe 7720DT

Geologist CB
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 1/29/21
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
2							2
4							4
6							6
8							8
10							10

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BORING LOG

Project No. MN0832G B3662

Geosyntec consultants

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
10	1.4	1155	0-8" Brown, Sandy Gravel. Moist. Dense. Well rounded. Poorly sorted. 8-14" Same as above, wet.	24	14	T (Hold)	10
12	0.6	1205	0-24" Brown, Gravelly Sand with cobbles. Dense Medium to Coarse Sand. Poorly sorted.	24	24	T	12
14	0.9	1330	0-12" Brown. Sandy Gravel. Moist. Medium Dense. well rounded. Poorly sorted. 12-22" Brown. Sand with gravel. Moist. Medium Dense. Medium Sand. Well sorted	24	22	T (Hold)	14
16							16
18							18
20							20
22							22
24							24

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BORING LOG

Geosyntec consultants

Boring ID B3670
Project No. NY 08326/004/02
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rich + Roger
Rig type Geoprobe 7720DT

Geologist CB
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 6/29/21
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (Inches)	Analytes	Depth (ft)
2							2
4							4
6							6
8							8
10							10

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BORING LOG

Geosyntec consultants

Project No. MN0832G

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
10	1.4	0905	0-16" Concrete fragments	24	16"	T (Add)	10
12	1.2	0910	0-10" Concrete fragments 16-22" Brown, Gravelly Sand. Moist, Dense, Med. to Coarse Sand. Poorly sorted.	24	22	T (Hold)	12
14	1.5	0915	0-17" Same as above, wet	24	17	T (Hold)	14
16			EOB @ 16'				16
18							18
20							20
22							22
24							24

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BORING LOG

Geosyntec consultants

Boring ID: NE Sidewall S1A
Project No.: MW08B26/09/02
Project Name: Former Sperry Remington-North
Location: Elmira, NY
Drilling Co.: Cascade
Driller/helper(s): Rich + Roger
Rig type: Geoprobe 7220 DT

Geologist: CB
Drilling Method: Direct Push
Borehole Dia.: 1.5"
Depth to Water:
Date: 1/29/21
MS/MSD:
Duplicate:

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
	1.3	1520	0-6" Concrete fragments 6-10" Brown. Gravelly Sand. Moist. V. dense. f. to med. Sand. Poorly sorted. 10-12" White Concrete fragments 12-18" Brown. Gravelly Sand. wet. V. dense. f to m. Sand. Well sorted	24	18	P, S, M, V, Ec	
	0.3	1530	0-8" Brown Sandy Gravel. Dry. Loose. Fine to med. gravel, rounded. Poorly sorted. 8-12": Black and Brown Sand with gravel. Loose. Fine to coarse. Poorly sorted. 12-22" concrete fragments.	24	22	P(Hold)	
10							10

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BORING LOG

Geosyntec consultants

Boring ID B572A
Project No. MN0832G/09/02
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rich + Roger
Rig type Geoprobe 7720 DT

Geologist CB
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 2/1/21
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
18	3.0	1615	0-14" - Grayish Brown. Gravel with Sand and Cobbles. Fine to Coarse, well rounded gravel. Poorly Sorted. Odor.	24	14	P	
20	2.0	1630	0-10" Brown and gray. Sandy Gravel, Loose. Wet. Well rounded. Poorly Sorted. 10-14" Cobble fragments	24	14	PCHdf	
22			EOB @ 22'				
28							10

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BORING LOG

Geosyntec consultants

Boring ID B3627
Project No. MNO832G/09102
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rich + Roger
Rig type Geoprobe 7720DT

Geologist CB
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 2/1/21
MS/MSD
Duplicate Dup-18 (0.17-2.5)

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	0.0	1515	0-10" Brown, Silt. Soft. Moist. Trace fine sand. 10-16" Concrete fragments 16-21" Brown. Gravelly Sand. Moist. Dense. Staining Fine to med. Sand. Well rounded Gravel. Poorly Sorted	24	21	S	
	7.3	1525	0-16" Brown to dark brown. Gravelly Sand. Medium Dense. Moist to wet. fine to med. Sand. Poorly Sorted. Odor. 16-24- Brown. Sandy Clay with gravel. Stiff.	24	24	S (Hold)	
			EOB @ 4'				
10							10

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BORING LOG

Geosyntec consultants

Boring ID: B3666
Project No.: MN08326/09/02
Project Name: Former Sperry Remington-North
Location: Elmira, NY
Drilling Co.: Cascade
Driller/helper(s): Blake Roger
Rig type: Geoprobe 7720DT

Geologist: CB
Drilling Method: Direct Push
Borehole Dia.: 1.5"
Depth to Water:
Date: 2/1/21
MS/MSD:
Duplicate:

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
10	0.7	1350	0-13" Brown, Gravelly sand with some clay. Dense. wet. Med. to Coarse Sand. Poorly sorted.	24	13	T (Hold)	
12	1.1	1400	0-15" Same as above.	24	15	T	
14	2.0	1410	0-13" Brown, Sandy Gravel. Loose, Wet. Med. to Coarse gravel. Well rounded. Poorly sorted.	24	13	T (Hold)	
16			EOB @ 16'				
20							10

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BORING LOG

Geosyntec consultants

Boring ID: B3274A
Project No.: MN08326/0910Z
Project Name: Former Sperry Remington-North
Location: Elmira, NY
Drilling Co.: Cascade
Driller/helper(s): Rich + Roger
Rig type: Geoprobe 7220DT

Geologist: CB
Drilling Method: Direct Push
Borehole Dia.: 1.5"
Depth to Water:
Date: 2/2/21
MS/MSD:
Duplicate:

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	2.3	1035	0-6" Brown. Silty Sand. Dense. Moist. Fine Sand. Well sorted. 6-8" Dork Brown. Gravelly Sand. Dense. Dry. Fine Sand Well sorted. 8-11" Concrete fragments 11-21" Brown to Black. Gravelly Sand. Moist. fine Sand. Well sorted. Staining	24	21	T	
	2.5	1050	0-6" Same as above. 6-11" Same as above. No Staining 11-18" Grayish Brown. Silt. Hard. Moist. trace Sand. 18-24 Brown. Sandy Silt. Wet. Soft.	24	24	T(Hdd)	
10							10

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BORING LOG

Geosyntec consultants

Boring ID: B3629
Project No.: MN08326/09/02
Project Name: Former Sperry Remington-North
Location: Elmira, NY
Drilling Co.: Cascade
Driller/helper(s): Rich + Roger
Rig type: Geoprobe 7200DT

Geologist: CB
Drilling Method: Direct Push
Borehole Dia.: 1.5"
Depth to Water:
Date: 2/2/21
MS/MSD: MS/MSD-18 (0.7-2) S
Duplicate:

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
		MS/MSD	0-8" Brown. Sandy Gravel. Dry. Dense. Well rounded Fine to Coarse Gravel. Poorly Sorted.	24	24	S	
	5.4	1355	8-16" Brown. Silty Clay. Very stiff. Moist.				
			16-24" Brown. Gravelly Sand. Dry. Medium dense. Medium to coarse sand. Poorly sorted. Staining				
			0-16" Same as above. No Staining.				
	3.8	~~1400~~ 1400	16-20" Same as above. With Staining	24	26	S(Hold)	
10							10

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BORING LOG

Geosyntec consultants

Boring ID B 3640
Project No. MN0832G/09/02
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rich + Roger
Rig type Geoprobe 7220DT

Geologist CB
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 2/2/21
MS/MSD [redacted]
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
	3.5	1120	0-4" Brown. Gravelly Sand. Dense. Dry. Medium to coarse Sand. Poorly sorted. 4-14" Brown. Sandy Clay: Hard. Dry. 14-21" Brown. Gravelly Sand. Dense. Dry fine to Coarse Sand. Poorly sorted. Staining.	24	21	S	
	3.2	1135	0-24" Same as above.	24	24	S(Hold)	
10							10

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BORING LOG

Geosyntec consultants

Boring ID B3645
Project No. MN08B216/09/02
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rich + Roger
Rig type Geoprobe 7720DT

Geologist CB
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 2/2/21
MS/MSD
Duplicate Dup-1 (0.17-2) P,S,M,V,EC

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (Inches)	Analytes	Depth (ft)
	0.6	1510	0-23" Brown. Gravelly Sand. Loose. Dry. Fine to Coarse Sand. Well rounded gravel. Poorly sorted	24	23	P,S,M, V, EC	
	2.8	1540	0-22" Same as above.	24	22	M(Hold)	
10							10

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BORING LOG

Geosyntec consultants

Boring ID B3664
Project No. MN0832G109/02
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rich + Roger
Rig type Geoprobe 7220 DT

Geologist CB
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 2/2/21
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
10	5.0	1430	0-5" Sandy Gravel. Wet. Medium Dense. Fine to coarse gravel. Well rounded. Poorly sorted. 5-12" Concrete fragments 12-20" Sandy Gravel. Dry. Medium Dense. Fine to Coarse gravel. Well rounded. Poorly sorted.	24	20	T (Hold)	
12	1.4	1440	0-15" Same as above	24	15	T	
14	1.9	1450	0-14" Same as above. Moist	24	14	T (Hold)	
16			EOB @ 16'				
18							
20							10

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BORING B3575

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/2/21 **COMPLETED** 2/2/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Dense Stiff, SANDY SILT, dry, brown	
				Dense, GRAVELLY SAND, fine to coarse grained sand, dry, brown, well graded	
		SSHS-B3575-SUB-0-2		Dense, GRAVELLY SAND, fine to coarse grained sand, dry, brown, well graded, staining	2
				Dense, GRAVELLY SAND, fine to coarse grained sand, dry, brown, well graded, staining	
2.5				Dense, SANDY GRAVEL, moist, brown, well graded, well rounded	2.5
		SSHS-B3575-SUB-2-4		Dense Stiff, CLAYEY SAND, with gravel, wet, brown	2.1
				Dense Stiff, CLAYEY SAND, with gravel, wet, brown	
5.0		SSHS-B3575-SUB-4-6		Dense, SANDY GRAVEL, moist, brown, poorly graded, well rounded	1.4 5.0
				Dense, SANDY GRAVEL, moist, brown, poorly graded, well rounded	
		SSHS-B3575-SUB-6-8			1.6
7.5				Dense, SANDY GRAVEL, moist, brown, poorly graded, well rounded	7.5
		SSHS-B3575-SUB-8-10			1.8

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BORING B3575

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3575-SUB-10-12		Dense, SANDY GRAVEL, moist, brown, poorly graded, well rounded	1.1
12.5		SSHS-B3575-SUB-12-14		Dense, SANDY GRAVEL, moist, brown, poorly graded, well rounded	2.1
15.0		SSHS-B3575-SUB-14-16		Dense, SANDY GRAVEL, wet, brown, poorly graded, well rounded	1.7
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3573

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/3/21 **COMPLETED** 2/3/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES Dup-28 10-12' VOC

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5		SSHS-B3573-SUB-2-4		Loose, SAND, with gravel, fine to medium grained sand, dry, gray, poorly graded, angular gravel, CLAY, brown, soft to stiff, cobbles in last 1"	0.6
				CLAY, brown, soft to stiff	
5.0		SSHS-B3573-SUB-4-6		Dense, SANDY GRAVEL, with clay, dry, grayish brown, poorly graded, fine sand	0.9
		SSHS-B3573-SUB-6-8		Medium dense, GRAVELLY SAND, medium grained sand, moist to wet, brown, poorly graded	1.1
7.5		SSHS-B3573-SUB-8-10		Medium dense, GRAVELLY SAND, medium grained sand, moist to wet, brown, poorly graded	

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BORING B3573

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3573-SUB-10-12		Medium dense, GRAVELLY SAND, medium grained sand, moist to wet, brown, poorly graded	1.1
				Loose, SANDY GRAVEL, coarse grained sand, wet, poorly graded, subrounded gravel	
12.5		SSHS-B3573-SUB-12-14		Loose, SANDY GRAVEL, coarse grained sand, saturated, poorly graded, subrounded gravel	0.9
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B3574

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/3/21 **COMPLETED** 2/3/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5		SSHS-B3574-SUB-2-4		Medium dense, GRAVELLY SAND, trace silt, medium grained sand, moist, dark brown, poorly graded	1.2
				Dense, GRAVELLY SAND, coarse grained sand, wet, grayish black, poorly graded	
				Very stiff, CLAY, wet, brown	
5.0		SSHS-B3574-SUB-4-6		Dense, GRAVELLY SAND, medium grained sand, wet, brown, well graded, medium to coarse gravel	1.1
				Loose, GRAVELLY SAND, medium grained sand, wet, brown, poorly graded	
		SSHS-B3574-SUB-6-8		Loose, GRAVELLY SAND, medium grained sand, wet, brown, poorly graded, possible staining	3.5
7.5				Loose, GRAVELLY SAND, medium grained sand, wet, brown, poorly graded, no staining	
				Loose, GRAVELLY SAND, medium grained sand, wet, brown, poorly graded	
		SSHS-B3574-SUB-8-10		Dense, SANDY GRAVEL, coarse grained sand, wet, poorly graded, well rounded gravel	1.1

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3574-SUB-10-12		Dense, SANDY GRAVEL, coarse grained sand, wet, poorly graded, well rounded gravel	1
12.5		SSHS-B3574-SUB-12-14		Very stiff, GRAVELLY CLAY, with cobbles, wet, brown	
				Loose, GRAVEL, with coarse sand, medium to coarse gravel, wet, gray, well graded	0.7
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B3576

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/3/21 **COMPLETED** 2/3/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES Dup-27 at 4-6' VOC

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5		SSHS-B3576-SUB-2-4		Dense SAND, with clay and gravel, brown, fine grained sand, moist, poorly graded	
				Very dense, GRAVELLY SAND, trace clay, fine to medium grained sand, wet, brown, moderately graded	0.5
5.0		SSHS-B3576-SUB-4-6		Very dense, GRAVELLY SAND, trace clay, fine to medium grained sand, wet, brown, moderately graded	
				Stiff, SANDY CLAY, with gravel, wet, brown	0.7
7.5		SSHS-B3576-SUB-6-8		Very dense, GRAVELLY SAND, fine grained sand, wet, brown, poorly graded	
				Very dense, GRAVELLY SAND, fine grained sand, wet, brown, poorly graded	0.6
		SSHS-B3576-SUB-8-10		Very dense, GRAVELLY SAND, fine grained sand, wet, brown, poorly graded	0.4
				CONCRETE fragments	

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BORING B3576

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0					
		SSHS-B3576-SUB-10-12		Dense, GRAVELLY SAND, medium to coarse grained sand, moist, dark brown, well graded	0.7
				Dense, GRAVELLY SAND, medium to coarse grained sand, wet, dark brown, well graded	
12.5		SSHS-B3576-SUB-12-14		Dense, GRAVELLY SAND, medium to coarse grained sand, saturated, dark brown, well graded	0.8
				Dense, SANDY GRAVEL, saturated, gray, poorly graded, medium grained sand	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B3578

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/3/21 **COMPLETED** 2/3/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES Dup-29 at 8-10' VOC

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5		SSHS-B3578-SUB-2-4		Loose, GRAVELLY SAND, coarse grained sand, wet, dark brown, poorly graded	
				Soft, CLAY, wet, brown	1
5.0		SSHS-B3578-SUB-4-6		Dense, GRAVELLY SAND, medium grained sand, moist, brown, poorly graded	
		SSHS-B3578-SUB-6-8		Dense, GRAVELLY SAND, medium grained sand, moist, brown, poorly graded	
7.5				CONCRETE fragments	
		SSHS-B3578-SUB-8-10		Loose, GRAVELLY SAND, fine to medium grained sand, dry, brown, well graded	

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BORING B3578

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3578-SUB-10-12		Loose, GRAVELLY SAND, fine to medium grained sand, dry, brown, well graded	
12.5		SSHS-B3578-SUB-12-14		Loose, GRAVELLY SAND, fine to medium grained sand, wet, brown, well graded	
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B3572

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/4/21 **COMPLETED** 2/4/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES Dup-30 at 6-8' VOC

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5		SSHS-B3572-SUB-2-4		Very soft, SILTY CLAY, moist, dark brown Stiff, SILTY CLAY, some fine sand, moist, brown	0.2
5.0		SSHS-B3572-SUB-4-6		Loose, SAND, with gravel, medium to coarse grained, brown, well graded, subangular Loose, GRAVELLY SAND, some clay, medium grained, moist, brown, well rounded	0.7
7.5		SSHS-B3572-SUB-6-8		Stiff, SILTY CLAY, moist, brown Medium dense, GRAVELLY SAND, trace clay, medium grained, moist, brown, poorly graded	1
		SSHS-B3572-SUB-8-10		CONCRETE fragments Loose, SANDY GRAVEL, coarse grained sand, moist, brown, well rounded gravel, poorly graded Concrete fragments from 9 - 9.1 feet. Loose, GRAVELLY SAND, with cobbles, moist, brown, well rounded	0.2

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BORING B3572

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3572-SUB-10-12		Dense, GRAVELLY SAND, medium to coarse grained, moist to wet, dark brown, well graded	14.9
12.5		SSHS-B3572-SUB-12-14		Loose, SANDY GRAVEL, medium to coarse grained, saturated, brown, well graded, well rounded	22.9
				Bottom of borehole at 14.0 feet.	
15.0					
17.5					
20.0					

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BORING B3593

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/4/21 **COMPLETED** 2/4/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES MS/MSD-18 at 2-4' VOC

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5		SSHS-B3593-SUB-2-4		Loose, GRAVELLY SAND, medium grained sand, dry, gray and brown, poorly graded	
				CONCRETE fragments	
				Stiff, SILTY CLAY, moist, gray and brown	7.7
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3594A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/4/21 **COMPLETED** 2/4/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES MS/MSD-19 0-2' VOC

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3594A-SUB-0-2		Very dense, SANDY GRAVEL, fine to medium grained sand, dry, grayish brown, well graded, subangular gravel	2
				Very stiff, CLAY, moist, dark brown	
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B3595

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/4/21 **COMPLETED** 2/4/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3595-SUB-0-2		ASPHALT	0
				Dense, GRAVELLY SAND, fine grained sand, dry, brown, poorly graded, fine gravel	
				CONCRETE fragments	
				Dense, GRAVELLY SAND, fine grained sand, dry, brown, well graded	
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B3596

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/4/21 **COMPLETED** 2/4/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES Dup-37 0-2' VOC

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Medium dense, SANDY GRAVEL, fine to medium grained sand, dry, brown, well graded, well rounded gravel, staining	
		SSHS-B3595-SUB-0-2		Dense, GRAVELLY SAND, with silt, fine grained sand, dry, brown, well graded	0
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B3597

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/4/21 **COMPLETED** 2/4/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B3597-SUB-0-2		Loose, GRAVELLY SAND, fine grained sand, dry, grayish brown, well graded	0
				Very stiff, SANDY CLAY, dry, brown	
				Black, ASPHALT-like material	
				Bottom of borehole at 2.0 feet.	
2.5					
5.0					
7.5					

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BORING B3598

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/4/21 **COMPLETED** 2/4/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5		SSHS-B3598-SUB-2-4		Loose, GRAVELLY SAND, dry, dark gray, well graded, fine to medium sand, well-rounded gravel	
				Red BRICK fragments	14.5
				SAND, with gravel, medium grained sand, dark brown, well graded	
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3599

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/4/21 **COMPLETED** 2/4/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES DUP-38 0-2' VOC

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5	X	SSHS-B3599-SUB-2-4		Dense, GRAVELLY SAND, fine to medium grained sand, moist, brown and gray, well graded	4.5
				Bottom of borehole at 4.0 feet.	
5.0					
7.5					

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BORING B3577

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/5/21 **COMPLETED** 2/5/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES MS/MSD-15 at 8-10' VOC

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5		SSHS-B3577-SUB-2-4		Medium dense, GRAVELLY SAND, fine to medium grained sand, dry, dark brown, well graded	
				CONCRETE fragments	
				Medium dense, GRAVELLY SAND, medium grained sand, dry, brown, well graded	0
				Loose, GRAVELLY SAND, dry, brown, well graded, fine sand, fine to coarse gravel	
				Loose, GRAVELLY SAND, dry, brown, well graded, fine sand, fine to coarse gravel, black staining	
5.0		SSHS-B3577-SUB-4-6		Loose, GRAVELLY SAND, dry, brown, well graded, fine white sand, fine to coarse gravel	0
				Loose, GRAVELLY SAND, dry, brown, well graded, fine sand, fine to coarse gravel, black staining	
				Loose, SAND, with gravel, fine grained sand, dry, dark gray, poorly graded	
		SSHS-B3577-SUB-6-8		Dense, SANDY GRAVEL, medium to coarse gravel, moist to wet, brown, well graded	0
7.5				Dense, SILTY SAND, fine grained, moist, brown, poorly graded	
				SANDY SILT, moist, brown, soft to stiff	
				Dense, GRAVELLY SAND, fine to medium grained sand, moist, gray, well graded	
		SSHS-B3577-SUB-8-10		Dense, GRAVELLY SAND, fine to medium grained sand, moist, brown, well graded	0.1

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BORING B3577

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Stiff, SANDY SILT, with gravel, moist, brown	
		SSHS-B3577-SUB-10-12		Loose, SAND, fine to medium grained sand, moist, brown, poorly graded	0.3
12.5		SSHS-B3577-SUB-12-14		Loose, SAND, fine to medium grained sand, moist, brown, poorly graded	
				Dense, GRAVELLY SAND, fine to medium grained sand, dry, brown, well graded, staining	0.1
				CONCRETE fragments	
15.0		SSHS-B3577-SUB-14-16		Medium dense, SANDY GRAVEL, fine to coarse grained sand, brown, well graded, subrounded gravel	0.4
				Medium dense, SANDY GRAVEL, fine to coarse grained sand, brown, well graded, subrounded gravel	
		SSHS-B3577-SUB-16-18		Medium dense, SANDY GRAVEL, fine to coarse grained sand, saturated, brown, well graded, subrounded gravel	18.1
17.5				Bottom of borehole at 18.0 feet.	
20.0					

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BORING B3579

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/5/21 **COMPLETED** 2/5/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES Dup-31 at 6-8' VOC

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5		SSHS-B3579-SUB-2-4		Dense, SANDY GRAVEL, fine to coarse grained sand, moist to wet, brown, well graded, well rounded gravel	1.6
				Dense, SANDY GRAVEL, fine to coarse grained sand, moist to wet, brown, well graded, well rounded gravel	
5.0		SSHS-B3579-SUB-4-6		Very dense, SILTY SAND, with gravel, fine grained sand, dark brown, poorly graded	6.3
		SSHS-B3579-SUB-6-8		Very dense, SILTY SAND, with gravel, fine grained sand, dark brown, poorly graded, concrete fragments from 6.9-7.0 ft.	0.1
7.5		SSHS-B3579-SUB-8-10		Loose, GRAVELLY SAND, fine grained sand, wet, dark brown, poorly graded	2.1

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BORING B3579

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3579-SUB-10-12		Loose, GRAVELLY SAND, fine grained sand, wet, brown, poorly graded	9.7
12.5		SSHS-B3579-SUB-12-14		Loose, GRAVELLY SAND, fine grained sand, wet, brown, poorly graded	1.6
15.0		SSHS-B3579-SUB-14-16		Loose, GRAVELLY SAND, fine grained sand, wet, brown, poorly graded	0.3
				Very dense, SANDY GRAVEL, fine grained sand, saturated, brown, angular gravel	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3580

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/5/21 **COMPLETED** 2/5/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC **DRILLING**
ELEVATION --- **BORING DIAMETER** 1.5 in
METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES MS/MSD-16 at 12-14'; Dup-32 at 10-12' VOC

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5		SSHS-B3580-SUB-2-4		Dense, GRAVELLY SAND, fine to medium grained sand, dry, brown, well graded	
				Dense, GRAVELLY SAND, fine to medium grained sand, dry, brown, well graded, staining	8.2
				Dense, GRAVELLY SAND, fine to medium grained sand, dry, brown, well graded, staining	
				White to whiteish-brown, powderized material	
5.0		SSHS-B3580-SUB-4-6		Soft, SANDY SILT, moist, dark brown	5
				Soft, SANDY SILT, moist, dark brown	
				Whiteish-brown, dry, very fine, powderized material	
		SSHS-B3580-SUB-6-8		Dense, GRAVELLY SAND, brown, dry, well graded	5
7.5				Medium dense, SANDY GRAVEL, with silt and cobbles, moist, well graded, well rounded gravel	
		SSHS-B3580-SUB-8-10			3.5

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Medium dense, SANDY GRAVEL, with silt and cobbles, moist, well graded, well rounded gravel	
		SSHS-B3580-SUB-10-12		SAND, some gravel, some silt, fine grained sand, moist, brown, poorly graded	3.1
				Loose, GRAVELLY SAND, fine grained sand, moist, brown, well graded	
12.5		SSHS-B3580-SUB-12-14			3.7
				Loose, GRAVELLY SAND, with cobbles, fine grained sand, moist, brown, well graded	
15.0		SSHS-B3580-SUB-14-16			2
				Loose, SANDY GRAVEL, saturated, brown, well graded, well rounded gravel	
17.5		SSHS-B3580-SUB-16-18			4.1
				Bottom of borehole at 18.0 feet.	
20.0					

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BORING B3581

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/5/21 **COMPLETED** 2/5/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR ---
RIG TYPE Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES Dup-33 at 4-6' VOC

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				No sample collected	
2.5		SSHS-B3581-SUB-2-4		Loose, SANDY GRAVEL, brown, well graded	
				SAND, with gravel, fine grained sand, red and black	0.1
5.0		SSHS-B3581-SUB-4-6		SANDY SILT, with gravel, moist to wet, brown	0.3
		SSHS-B3581-SUB-6-8		SANDY SILT, with gravel, moist to wet, brown	0
7.5				Dense, SILTY SAND, with gravel, wet, brown, well graded	
		SSHS-B3581-SUB-8-10			0.1

0.0
2.5
5.0
7.5

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BORING B3581

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Dense, SILTY SAND, with gravel, wet, brown, well graded	
		SSHS-B3581-SUB-10-12		GRAVEL, well rounded	0.2
				Loose, GRAVELLY SAND, wet, brown, well graded	
12.5		SSHS-B3581-SUB-12-14			0.2
				Loose, GRAVELLY SAND, saturated, brown, well graded	
15.0		SSHS-B3581-SUB-14-16			0.3
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3582

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/5/21 **COMPLETED** 2/5/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push **SAMPLING**
TOP OF CASING ELEVATION ---
METHOD 2" x 5' Macrocore **RIG TYPE**
UTILITY CONTRACTOR ---
Geoprobe
LOGGED BY CB **CHECKED BY** RA
NOTES Dup-34 at 2-4'; Dup-35 at 14-16' VOC

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				No sample collected	
2.5		SSHS-B3582-SUB-2-4		Loose, SANDY GRAVEL, dry, brown, well graded	
				Very loose, GRAVELLY SAND, dry, black, well graded	0
				Very loose, GRAVELLY SAND, dry, black, well graded	
5.0		SSHS-B3582-SUB-4-6		Very Dense, SANDY SILT, wet, brown	0
				CONCRETE fragments	
				Very Dense, SANDY SILT, wet, brown	
				Dense, SAND, and gravel, dark gray, well graded	
				Dense, SANDY SILT, wet, brown	
7.5		SSHS-B3582-SUB-6-8			0
				Dense, SANDY SILT, wet, brown	
				Loose, SANDY GRAVEL, medium to coarse grained sand, dry, dark brown, well graded	
		SSHS-B3582-SUB-8-10		GRAVELLY SAND, fine grained sand, wet, brown, well graded	0.3
				CONCRETE fragments	

0.0 2.5 5.0 7.5

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Dense, SANDY SILT, wet, brown	
		SSHS-B3582-SUB-10-12		Dense, GRAVELLY SAND, dry, brown, well graded	0.1
12.5		SSHS-B3582-SUB-12-14		Dense, GRAVELLY SAND, dry, brown, well graded	0.1
15.0		SSHS-B3582-SUB-14-16		Dense, GRAVELLY SAND, saturated, brown, well graded	0.2
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3583

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington-North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 2/5/21 **COMPLETED** 2/5/21
NORTHING Unknown **GROUND** **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push **SAMPLING**
TOP OF CASING ELEVATION ---
METHOD 2" x 5' Macrocore **RIG TYPE** Geoprobe
UTILITY CONTRACTOR ---
NOTES MS/MSD-7 at 6-8'; Dup-36 at 14-16' VOC
LOGGED BY CB **CHECKED BY** RA

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5		SSHS-B3583-SUB-2-4		Loose, SAND, fine grained sand, dry, black, poorly graded Dense, SANDY SILT, with gravel, moist to wet, brown	0.9
5.0		SSHS-B3583-SUB-4-6		Loose, SAND, with silt, moist, black, poorly graded Soft, SANDY SILT, with clay, and gravel, wet, brown	1.5
7.5		SSHS-B3583-SUB-6-8		Soft, SANDY SILT, with clay, and gravel, wet, brown Dense, GRAVELLY SAND, fine to medium grained sand, moist, brown, well graded	1.1
		SSHS-B3583-SUB-8-10		Dense, GRAVELLY SAND, fine to medium grained sand, moist, brown, well graded	1.1

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BORING B3583

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington-North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Dense, GRAVELLY SAND, fine to medium grained sand, moist, brown, well graded	
				CONCRETE fragments	
		SSHS-B3583-SUB-10-12		Loose, SILTY SAND, with gravel, dry, whiteish brown, poorly graded	2.1
12.5		SSHS-B3583-SUB-12-14		SILTY SAND, with gravel, fine to medium grained sand, dry to moist, brown to light brown, well graded, loose to dense	1.5
15.0		SSHS-B3583-SUB-14-16		Loose, GRAVELLY SAND, fine to medium grained sand, wet, brown, well graded, fine to coarse gravel	1.1
				Loose, GRAVELLY SAND, fine to medium grained sand, saturated, brown, well graded, fine to coarse gravel	
				Bottom of borehole at 16.0 feet.	
17.5					
20.0					

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BORING B3869

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/31/21 **COMPLETED** 3/31/21
NORTHING 754811.677 ft **EASTING** 761948.476 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MD/MSD-15 at 32-34' (P); DUP-24 at 32-34' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3869

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		88	SSHS-3869-SUB-16-18		SANDY GRAVEL, brown and gray, well graded, subangular gravel, sand fine to coarse grained, wet, medium dense	0.1
18		71	SSHS-3869-SUB-18-20		SANDY GRAVEL, brown and gray, well graded, subangular gravel, sand fine to coarse grained, wet, medium dense SAND, brown, poorly graded, fine grained, saturated, loose	0
20		92	SSHS-3869-SUB-20-22		SAND, brown, poorly graded, fine grained, saturated, loose SANDY GRAVEL, light brown and gray, moderately graded, subangular gravel, wet, loose, medium to coarse grained sand	2

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		63	SSHS-3869-SUB-22-24		SANDY GRAVEL, light brown and gray, moderately graded, subrounded to subangular gravel, wet, loose, medium to coarse grained sand	2.6
24		71	SSHS-3869-SUB-24-26		SANDY GRAVEL, light brown and gray, moderately graded, subrounded to subangular, wet, loose, medium to coarse grained sand SAND, poorly graded, well rounded gravel, wet, loose, with gravel, coarse grained sand	1.6
26		63	SSHS-3869-SUB-26-28		SAND, poorly graded, well rounded gravel, wet, loose, with gravel, coarse grained sand	1.6
28		88	SSHS-3869-SUB-28-30		GRAVEL, gray, poorly graded, well rounded gravel, wet, very loose, with coarse grained sand	2
30		50	SSHS-3869-SUB-30-32		GRAVEL, brown and gray, moderately graded, well rounded gravel, wet, loose, with coarse grained sand, trace clay	1.7
32					SILTY CLAY, very stiff, medium plasticity	

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BORING B3869

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		92	SSHS-3869-SUB-32-34			0
34					SILTY CLAY, very stiff, medium plasticity	
		92	SSHS-3869-SUB-34-36			0
36					Bottom of borehole at 36.0 feet.	

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BORING B3868

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 3/31/21 **COMPLETED** 4/1/21
NORTHING 754844.617 ft **EASTING** 762032.509 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MS/MSD-14 at 24-26' (P); DUP-23 at 22-24' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3868

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		50	SSHS-B3868-SUB-16-18		SANDY GRAVEL, brown and gray, well graded, subangular to angular gravel, sand fine to coarse grained, medium dense, trace silt	2.2
18		50	SSHS-B3868-SUB-18-20		SAND, brown and dark gray, poorly graded, subrounded gravel, wet, loose, and gravel, coarse grained sand	2.7
20		50	SSHS-B3868-SUB-20-22		GRAVEL, gray, poorly graded, angular gravel, wet, very loose, trace coarse grained sand	2

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		67	SSHS-B3868-SUB-22-24		SAND, brown, moderately graded, well rounded gravel, saturated, loose, with silt, and gravel, coarse grained sand	2.6
24		63	SSHS-B3868-SUB-24-26		SAND, brown, moderately graded, well rounded gravel, saturated, loose, with silt, and gravel, coarse grained sand	2.5
26		54	SSHS-B3868-SUB-26-28		GRAVEL, gray, poorly graded, well rounded gravel, wet, very loose	2.1
28		96	SSHS-B3868-SUB-28-30		SILTY GRAVEL, brown and gray, well graded, subrounded gravel, fine to coarse grained, wet, dense, with sand SILTY CLAY, gray, very stiff, medium plasticity	1.1
30		96	SSHS-B3868-SUB-30-32		SILTY CLAY, gray, very stiff, medium plasticity	0
32		92	SSHS-B3868-SUB-32-33		SILTY CLAY, gray, very stiff, medium plasticity	0

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BORING B3868

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
					Bottom of borehole at 33.0 feet.	

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3867

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/1/21 **COMPLETED** 4/1/21
NORTHING 754843.939 ft **EASTING** 762147.917 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MS/MSD-13 at 20-22' (P, V, S, M, EC); DUP-22 at 24.5-26' (P, V, S, M, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3867

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		54	SSHS-B3867-SUB-16-18		SAND, brown, poorly graded, subrounded gravel, wet, loose, with gravel, medium to coarse grained sand	0
18		50	SSHS-B3867-SUB-18-20		SAND, brown, poorly graded, subrounded gravel, wet, loose, with gravel, medium to coarse grained sand	0
20		67	SSHS-B3867-SUB-20-22		SAND, brown, poorly graded, subrounded gravel, wet, loose, with gravel, medium to coarse grained sand	0

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BORING B3867

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22			SSHS-B3867-SUB-22-24		SAND, brown, poorly graded, subrounded gravel, wet, loose, with gravel, medium to coarse grained sand	0.1
24		100	SSHS-B3867-SUB-24-24.5		SAND, brown, poorly graded, sand fine to coarse grained, wet, loose	0.1
		100	SSHS-B3867-SUB-24.5-26		SILTY CLAY, moist, stiff, medium plasticity	0
26		92	SSHS-B3867-SUB-26-28		SILTY CLAY, moist, stiff, medium plasticity	0
28		92	SSHS-B3867-SUB-28-30		SILTY CLAY, moist, stiff, medium plasticity	0
30					Bottom of borehole at 30.0 feet.	

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BORING B3874

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/1/21 **COMPLETED** 4/1/21
NORTHING 754884.499 ft **EASTING** 762207.076 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES DUP-25 at 24-26' (P, V, S, M, EC); DUP-33 at 24-26' (P, V, S, M, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3874

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		67	SSHS-B3874-SUB-16-18		SANDY GRAVEL, brown and gray, well graded, subrounded gravel, sand fine to coarse grained, wet, loose, with silt	0
18		71	SSHS-B3874-SUB-18-20		SANDY GRAVEL, brown and gray, well graded, subrounded gravel, sand fine to coarse grained, wet, loose, with silt	0.1
20		54	SSHS-B3874-SUB-20-22		SANDY GRAVEL, brown and gray, well graded, subrounded gravel, sand fine to coarse grained, wet, loose, with silt	0.2

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BORING B3874

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		54	SSHS-B3874-SUB-22-24		SANDY GRAVEL, brown and gray, well graded, subrounded gravel, sand fine to coarse grained, wet, loose, with silt	0
24		100	SSHS-B3874-SUB-24-26		SILTY CLAY, moist, very stiff, medium plasticity	0
26		100	SSHS-B3874-SUB-26-28		SILTY CLAY, moist, very stiff, medium plasticity	0
28					Bottom of borehole at 28.0 feet.	

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BORING B3875

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/2/21 **COMPLETED** 4/2/21
NORTHING 754789.958 ft **EASTING** 762251.395 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES DUP-26 at 20-22' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3875

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16					SAND, gray, poorly graded, angular gravel, dry, loose, and gravel, coarse grained sand	
					SAND, brown, poorly graded, subrounded gravel, sand fine to coarse grained, moist, medium dense, with gravel	
		88	SSHS-B3857-SUB-16-18			0.6
					GRAVEL, brown, moderately graded, subrounded gravel, wet, loose, with medium to coarse grained sand	
18					GRAVEL, brown, moderately graded, subrounded gravel, wet, loose, with medium to coarse grained sand	
		50	SSHS-B3857-SUB-18-20			0.8
20					GRAVEL, brown, poorly graded, well rounded gravel, wet, loose, with coarse grained sand	
		67	SSHS-B3857-SUB-20-22			3.1

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BORING B3875

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		100	SSHS-B3857-SUB-22-23		GRAVEL, brown, poorly graded, well rounded gravel, wet, loose, with coarse grained sand	0.9
		58	SSHS-B3857-SUB-23-24		CLAY, brown, moist, stiff, medium plasticity	0.1
24		83	SSHS-B3857-SUB-24-26		CLAY, brown, moist, stiff, medium plasticity	0
26		83	SSHS-B3857-SUB-26-27		CLAY, brown, moist, stiff, medium plasticity	0

Bottom of borehole at 27.0 feet.

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BORING B3876

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/2/21 **COMPLETED** 4/2/21
NORTHING 754641.326 ft **EASTING** 762316.443 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MS/MSD-16 at 16-18' (P); DUP-27 at 18-20' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3876

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16					SILTY SAND, brown, well graded, subangular gravel, moist, dense, with gravel	
		100	SSHS-B3876-SUB-16-18			14.5
					GRAVEL, gray, well graded, subangular gravel, wet, loose, with sand, and silt	
18					GRAVEL, gray, well graded, subrounded gravel, wet, loose, with sand, and silt, odor	
		79	SSHS-B3876-SUB-18-20			44.7
20					GRAVEL, gray, well graded, subrounded gravel, wet, loose, with sand, and silt, odor	
		75	SSHS-B3876-SUB-20-22			17.8

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BORING B3876

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		67	SSHS-B3876-SUB-22-24		GRAVEL, brown and gray, poorly graded, well rounded gravel, wet, very loose, with coarse grained sand	1
24		79	SSHS-B3876-SUB-24-26		GRAVEL, brown and gray, poorly graded, well rounded gravel, wet, very loose, with coarse grained sand	1.7
26		96	SSHS-B3876-SUB-26-28		SAND, brown, poorly graded, well rounded gravel, medium grained, saturated, medium dense	2
28		79	SSHS-B3876-SUB-28-30		SAND, brown, saturated, medium dense, trace gravel, medium grained sand	3.9
30		54	SSHS-B3876-SUB-30-32		SAND, poorly graded, medium grained, saturated, medium dense, medium grained sand	1
32			SSHS-B3876-SUB-32-33		SAND, poorly graded, medium grained, saturated, medium dense	0

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BORING B3876

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		50	SSHS-B3876-SUB-33-34		CLAY, moist, stiff, medium plasticity, brown clay 33-33.9 ft, gray clay 33.9-34 ft	0
34		50			CLAY, gray, moist, stiff, medium plasticity	
		100	SSHS-B3876-SUB-34-36			0
36					CLAY, gray, moist, stiff, medium plasticity	
		100	SSHS-B3876-SUB-36-37			0

Bottom of borehole at 37.0 feet.

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BORING B3878

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/5/21 **COMPLETED** 4/5/21
NORTHING 754409.291 ft **EASTING** 762406.171 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES DUP-30 at 16-18' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3878

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		100	SSHS-B3878-SUB-16-18		SANDY GRAVEL, brown and gray, well graded, subrounded gravel, sand fine to coarse grained, moist, dense, with silt, wet at 17.9 ft	0.3
18		100	SSHS-B3878-SUB-18-20		SANDY GRAVEL, gray, well graded, subrounded gravel, saturated, with silt, medium to coarse grained sand, odor	142.9
20		63	SSHS-B3878-SUB-20-22		GRAVEL, gray, moderately graded, well rounded gravel, saturated, with medium to coarse grained sand, and silt, odor	382

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BORING B3878

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		88	SSHS-B3878-SUB-22-24		GRAVEL, gray, moderately graded, well rounded gravel, saturated, with medium to coarse grained sand, and silt, odor	109.4
24		83	SSHS-B3878-SUB-24-26		GRAVEL, gray, moderately graded, well rounded gravel, saturated, with medium to coarse grained sand, and silt, odor; 25.4 to 25.8 ft Brown, medium grained SAND, wet, dense, well sorted, well rounded	61.8
26		50	SSHS-B3878-SUB-26-28		SAND, brown, poorly graded, wet, dense, medium grained sand	22.8
28		83	SSHS-B3878-SUB-28-30		SAND, brown, poorly graded, wet, dense, medium grained sand	32.4
30		63	SSHS-B3878-SUB-30-32		SAND, brown, poorly graded, wet, dense, medium grained sand	22.4
32					SAND, brown, poorly graded, wet, dense, medium grained sand	

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BORING B3878

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		75	SSHS-B3878-SUB-32-34			13.3
34					SAND, brown, poorly graded, wet, dense, medium grained sand	
		100	SSHS-B3878-SUB-34-36			11
36					SAND, brown, poorly graded, wet, dense, medium grained sand	
		58	SSHS-B3878-SUB-36-38			13.1
38					SAND, brown, poorly graded, wet, dense, medium grained sand	
		100	SSHS-B3878-SUB-38-40			4.5
40					SAND, brown, poorly graded, wet, dense, medium grained sand	
		100	SSHS-B3878-SUB-40-42			11.5
42					SAND, brown, poorly graded, wet, dense, medium grained sand	
			SSHS-B3878-SUB-42-43			4.4
		50			SILTY CLAY, brown, moist, stiff, semi-plastic	
44		100	SSHS-B3878-SUB-43-45			0

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BORING B3878

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
46		100	SSHS-B3878-SUB-45-47		SILTY CLAY, gray, moist, stiff, semi-plastic	0
					Bottom of borehole at 47.0 feet.	

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BORING B3857

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/7/21 **COMPLETED** 4/7/21
NORTHING 754694.171 ft **EASTING** 762093.189 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES DUP-04 at 24-26' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3857

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75				
12						
14						
16			SSHS-B3857-SUB-16-18		GRAVELLY SAND, brown to gray, well graded, subrounded to subangular gravel, moist, dense, trace silt, 3 attempts made to get a full run but all <12". Sample collected from soil combined from two runs of approximately 9" each.	4.1
18		50	SSHS-B3857-SUB-18-20		SANDY GRAVEL, brown to gray, well graded, subrounded to rounded gravel, moist, loose, trace silt	0.7
20		58	SSHS-B3857-SUB-20-22		SANDY GRAVEL, brown to gray, subrounded to subangular gravel, moist, dense, trace silt	2.1

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BORING B3857

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		50	SSHS-B3857-SUB-22-24		SANDY GRAVEL, brown to gray, subrounded to subangular gravel, moist, dense, trace silt	0.8
24		58	SSHS-B3857-SUB-24-26		CLAY, gray, moist, stiff, high plasticity	0
26		100	SSHS-B3857-SUB-26-28		CLAY, gray, moist, stiff, high plasticity	0
28					Bottom of borehole at 28.0 feet.	

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BORING B3866

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/7/21 **COMPLETED** 4/7/21
NORTHING 754744.769 ft **EASTING** 762183.656 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES MS/MSD-18 at 23-25' (P); DUP-21 at 18-20' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3866

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		63	SSHS-B3866-SUB-16-18		SANDY GRAVEL, brown, well graded, angular gravel, moist, dense, trace silt	5.1
18		58	SSHS-B3866-SUB-18-20		SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, wet, dense, trace silt	3.5
20		63	SSHS-B3866-SUB-20-22		SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, wet, dense, trace silt	4.9

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3866

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22			SSHS-B3866-SUB-22-23		SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, wet, dense, trace silt	3.6
		50			CLAY, brownish gray, wet, stiff, plastic	
24		100	SSHS-B3866-SUB-23-25			0
					CLAY, brownish gray, wet, stiff, plastic	
26		100	SSHS-B3866-SUB-25-27			0

Bottom of borehole at 27.0 feet.

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BORING B3856

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/7/21 **COMPLETED** 4/8/21
NORTHING 754683.922 ft **EASTING** 761967.81 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES MS/MSD-06 at 22-24' (P); DUP-10 at 20-22' (P); DUP-36 at 24-26' (P); 30-36' sampled on 8/Apr

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3856

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		100	SSHS-B3856-SUB-16-18		SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, wet, dense	3.9
18		54	SSHS-B3856-SUB-18-20		SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, wet, dense	3.9
20		83	SSHS-B3856-SUB-20-22		GRAVEL, brown, well graded, well rounded gravel, saturated, loose, with silt, trace sand	4.9

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BORING B3856

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		92	SSHS-B3856-SUB-22-24		GRAVEL, brown, well graded, well rounded gravel, saturated, loose, with silt, trace sand	2.8
24		79	SSHS-B3856-SUB-24-26		SANDY GRAVEL, brown, poorly graded, subrounded to rounded gravel, wet, loose	4.9
26		92	SSHS-B3856-SUB-26-28		CLAY, gray, moist, stiff, high plasticity	0
28		100	SSHS-B3856-SUB-28-30		SAND, brown, poorly graded, fine to coarse grained, moist, dense GRAVEL, brown and gray, well rounded gravel, moist, dense	3.9
30		100	SSHS-B3856-SUB-30-32		GRAVEL, brown and gray, well rounded gravel, moist, dense	0.7
32					CLAY, gray, moist, stiff, high plasticity	

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BORING B3856

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		100	SSHS-B3856-SUB-32-34			0
34					CLAY, gray, moist, stiff, high plasticity	
		100	SSHS-B3856-SUB-34-36			0
36					Bottom of borehole at 36.0 feet.	

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BORING B3864

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/8/21 **COMPLETED** 4/8/21
NORTHING 754529.031 ft **EASTING** 762277.245 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES MS/MSD-11 at 30-32' (P, V, S, M, EC); DUP-19 at 16-18' (P, V, S, M, EC); DUP-37 at 30-32' (V); DUP-38 at 32-34' (V)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3864

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		88	SSHS-B3864-SUB-16-18		SILTY SAND, light brown, well graded, subangular gravel, moist, dense, with gravel, wet at 17.6 ft	0.1
18		83	SSHS-B3864-SUB-18-20		SANDY GRAVEL, gray and brown, moderately graded, subrounded gravel, saturated, loose, medium to coarse grained sand, odor	4.6
20		50	SSHS-B3864-SUB-20-22		SANDY GRAVEL, gray and brown, moderately graded, subrounded gravel, saturated, loose, medium to coarse grained sand, odor	25.3

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		54	SSHS-B3864-SUB-22-24		GRAVEL, gray, poorly graded, well rounded gravel, wet, dense, with coarse grained sand, trace silt	3.3
24		100	SSHS-B3864-SUB-24-26		GRAVEL, gray and brown, poorly graded, wet, loose, with coarse grained sand, well rounded gravel	7.9
26		83	SSHS-B3864-SUB-26-28		GRAVEL, gray and brown, poorly graded, wet, loose, with coarse grained sand, well rounded gravel SAND, brown, poorly graded, well rounded gravel, wet, medium dense, medium grained sand	0.1
28		67	SSHS-B3864-SUB-28-30		SAND, brown, poorly graded, well rounded gravel, wet, medium dense, medium grained sand	0.2
30		100	SSHS-B3864-SUB-30-32		SAND, brown, poorly graded, well rounded gravel, wet, medium dense, medium grained sand, brown silty clay begins at 31.9 ft	0.1
32					SILTY CLAY, brown, moist, medium stiff, semi-plastic	

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BORING B3864

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		100	SSHS-B3864-SUB-32-34			
34					SILTY CLAY, brown, moist, medium stiff, semi-plastic	
		100	SSHS-B3864-SUB-34-36			
36					Bottom of borehole at 36.0 feet.	

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BORING B3865

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/8/21 **COMPLETED** 4/8/21
NORTHING 754683.922 ft **EASTING** 761967.81 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES MS/MSD-12 at 30-32 (P, V, S, M, EC); DUP-20 at 28-30' (P, V, S, M, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		83	SSHS-B3865-SUB-16-18		GRAVELLY SAND, gray, subrounded to rounded gravel, sand fine to coarse grained, moist, dense, odor	10
18		79	SSHS-B3865-SUB-18-20		GRAVELLY SAND, gray, subrounded to rounded gravel, sand fine to coarse grained, wet, dense, odor	
20		58	SSHS-B3865-SUB-20-22		GRAVELLY SAND, gray, subrounded to rounded gravel, sand fine to coarse grained, wet, dense, odor	8.2

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BORING B3865

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		71	SSHS-B3865-SUB-22-24		GRAVELLY SAND, gray, subrounded to rounded gravel, sand fine to coarse grained, wet, dense, odor	1.5
24		71	SSHS-B3865-SUB-24-26		SANDY GRAVEL, gray, well rounded gravel, wet, dense, odor	2.1
26		75	SSHS-B3865-SUB-26-28		SANDY GRAVEL, gray, well rounded gravel, wet, dense, odor	1.6
28		100	SSHS-B3865-SUB-28-30		GRAVELLY SAND, brownish gray, well graded, well rounded gravel, sand fine to coarse grained, wet, some silt	0.3
30		100			CLAY, brown, moist, stiff, plastic, brown clay 30-31', gray clay 31-32'	0.1
32					CLAY, gray, wet, stiff, plastic	

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BORING B3865

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
34		100	SSHS-B3865-SUB-30-32 SSHS-B3865-SUB-32-34		Bottom of borehole at 34.0 feet.	0

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BORING B3863

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/9/21 **COMPLETED** 4/10/21
NORTHING 754397.958 ft **EASTING** 762323.902 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MS/MSD-10 at 30-32' (P); DUP-18 at 20-22' (P); DUP-139 at 18-20' (V)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3863

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		54	SSHS-B3863-SUB-16-18		SANDY GRAVEL, gray, well graded, subangular gravel, moist, medium dense, with silt	23.1
18		67	SSHS-B3863-SUB-18-20		SAND, gray, moderately graded, subrounded gravel, wet, medium dense, with silt, and gravel, odor	103.6
20		83	SSHS-B3863-SUB-20-22		SAND, gray, moderately graded, subrounded gravel, wet, medium dense, with silt, and gravel, odor	89.5

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BORING B3863

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		75	SSHS-B3863-SUB-22-24		GRAVEL, poorly graded, well rounded gravel, wet, loose, with coarse grained sand	26.4
24		71	SSHS-B3863-SUB-24-26		GRAVEL, poorly graded, well rounded gravel, wet, loose, with coarse grained sand	9.2
26		100	SSHS-B3863-SUB-26-28		GRAVEL, poorly graded, well rounded gravel, wet, loose, with coarse grained sand	3.7
28		63	SSHS-B3863-SUB-28-30		SAND, brown, poorly graded, well rounded gravel, medium grained, saturated, medium dense SAND, brown, poorly graded, medium grained, saturated, medium dense	17.9
30		100	SSHS-B3863-SUB-30-32		SAND, brown, poorly graded, medium grained, saturated, medium dense	7.3
32					SAND, brown, poorly graded, medium grained, saturated, medium dense	

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BORING B3863

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		100	SSHS-B3863-SUB-32-34			9.6
34					SAND, brown, poorly graded, medium grained, saturated, medium dense	
		100	SSHS-B3863-SUB-34-36			8.8
36					SAND, brown, poorly graded, medium grained, saturated, medium dense	
			SSHS-B3863-SUB-36-37			6.8
		100			SILTY CLAY, brown, moist, soft, plastic	
38			SSHS-B3863-SUB-37-39			0.4
		100				
					SILTY CLAY, gray, medium stiff, plastic	
40		100	SSHS-B3863-SUB-39-41			0.4

Bottom of borehole at 41.0 feet.

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BORING B3858

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/10/21 **COMPLETED** 4/10/21
NORTHING 754557.013 ft **EASTING** 762115.051 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MS/MSD-07 at 31-33' (P); DUP-12 at 18-20' (P); DUP-34 at 20-22' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3858

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		63	SSHS-B3858-SUB-16-18		SANDY GRAVEL, grayish brown, well graded, subrounded to rounded gravel, sand fine to coarse grained, wet, trace silt	6.8
18		67	SSHS-B3858-SUB-18-20		SANDY GRAVEL, gray, well graded, subrounded to rounded gravel, sand fine to coarse grained, wet, trace silt	41.4
20		67	SSHS-B3858-SUB-20-22		SANDY GRAVEL, gray and brown, well graded, subrounded to rounded gravel, sand fine to coarse grained, wet, trace silt	31.8

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BORING B3858

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		63	SSHS-B3858-SUB-22-24		GRAVEL, grayish brown, poorly graded, well rounded gravel, wet, loose, with medium to coarse grained sand	6
24		75	SSHS-B3858-SUB-24-26		GRAVEL, grayish brown, poorly graded, well rounded gravel, wet, loose, with medium to coarse grained sand, trace silt	4.9
26		75	SSHS-B3858-SUB-26-28		GRAVEL, grayish brown, poorly graded, well rounded gravel, wet, loose, with medium to coarse grained sand, trace silt	5.3
28		100	SSHS-B3858-SUB-28-30		GRAVEL, grayish brown, poorly graded, well rounded gravel, wet, loose, with medium to coarse grained sand, trace silt	2.7
30		50	SSHS-B3858-SUB-30-31		GRAVEL, grayish brown, poorly graded, well rounded gravel, wet, loose, with medium to coarse grained sand, trace silt	5.5
32		100	SSHS-B3858-SUB-31-33		SILTY CLAY, brown, moist, soft, plastic	2.7

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3858

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
34		100	SSHS-B3858-SUB-33-35		SILTY CLAY, gray, moist, stiff, plastic	
					Bottom of borehole at 35.0 feet.	

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BORING B3877

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 4/11/21 **COMPLETED** 4/12/21
NORTHING 754555.471 ft **EASTING** 762354.642 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** RA
NOTES MS/MSD-17 at 28-30' (P, M, EC); DUP-28 at 16-18' (P, M, EC); DUP-29 at 26-28' (P, M, EC)

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5					
5.0					
7.5					

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington
PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				No sample collected *(continued)*	
12.5					
15.0					
		SSHS-B3877-SUB-16-18		Dense, SANDY GRAVEL, with silt, sand fine to coarse grained, moist, brown, well graded, subrounded to subangular gravel	0.3
17.5					
		SSHS-B3877-SUB-18-20		Dense, SANDY GRAVEL, with silt, sand fine to coarse grained, wet, gray, well graded, subrounded to subangular gravel, odor	23.4
20.0					
		SSHS-B3877-SUB-20-22		Dense, SANDY GRAVEL, with silt, sand fine to coarse grained, wet, gray, well graded, subrounded to subangular gravel, odor	33.1

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BORING B3877

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5		SSHS-B3877-SUB-22-24		Dense, SANDY GRAVEL, with silt, sand fine to coarse grained, wet, gray to brown, well graded, subrounded to subangular gravel, odor	6.4
25.0		SSHS-B3877-SUB-24-26		Medium dense, GRAVEL, some sand, trace silt, sand fine to coarse grained, wet, brown, subangular to angular gravel	3.1
27.5		SSHS-B3877-SUB-26-28		SAND, some gravel, sand fine to coarse grained, moist, brown, well graded, subrounded gravel	8.1
		SSHS-B3877-SUB-28-30		SAND, trace gravel, sand fine to coarse grained, wet, poorly graded	2.1
30.0		SSHS-B3877-SUB-30-32		SAND, trace gravel, sand fine to coarse grained, wet, poorly graded	2.1
32.5		SSHS-B3877-SUB-32-34		SAND, trace gravel, sand fine to coarse grained, wet, poorly graded	0.6

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BORING B3877

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				SAND, trace gravel, sand fine to coarse grained, wet, poorly graded *(continued)*	
				SAND, trace gravel, sand fine to coarse grained, wet, poorly graded	
35.0		SSHS-B3877-SUB-34-36			0.3
				Stiff, CLAY, wet, brown to gray, plastic	
		SSHS-B3877-SUB-36-38			0
37.5				Stiff, CLAY, moist, gray, plastic	
		SSHS-B3877-SUB-38-40			0
40.0				Bottom of borehole at 40.0 feet.	
42.5					
45.0					

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BORING B3859

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/12/21 **COMPLETED** 4/12/21
NORTHING 754470.411 ft **EASTING** 762204.639 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES DUP-13 at 16-18' (P); DUP-35 at 28-30' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3859

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		100	SSHS-B3859-SUB-16-18		SANDY GRAVEL, brown, well graded, well rounded gravel, sand fine grained, moist, dense	8.2
18		54	SSHS-B3859-SUB-18-20		SANDY GRAVEL, gray, well graded, well rounded gravel, sand fine to coarse grained, wet, dense, odor	71.1
20		50	SSHS-B3859-SUB-20-22		SANDY GRAVEL, gray, well graded, well rounded gravel, sand fine to coarse grained, wet, dense, odor	10.4

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BORING B3859

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		67	SSHS-B3859-SUB-22-24		GRAVELLY SAND, gray, poorly graded, sand fine to coarse grained, wet, dense, odor	48.4
24		54	SSHS-B3859-SUB-24-26		SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, dense, odor	6.4
26		67	SSHS-B3859-SUB-26-28		SANDY GRAVEL, gray, well graded, subrounded gravel, wet, dense, odor	19.2
28		83	SSHS-B3859-SUB-28-30		SAND, brown, poorly graded, fine to medium grained, saturated, medium dense	4.1
30		83	SSHS-B3859-SUB-30-32		GRAVEL, brown, moderately graded, loose, with coarse grained sand, trace silt, well rounded gravel	2.3
32					CLAY, gray, moist, stiff, plastic	

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BORING B3859

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		100	SSHS-B3859-SUB-32-34			0
34					CLAY, gray, moist, stiff, plastic	
		100	SSHS-B3859-SUB-34-36			0
36					Bottom of borehole at 36.0 feet.	

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BORING B3855

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/12/21 **COMPLETED** 4/13/21
NORTHING 754334.21 ft **EASTING** 762137.143 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES MS/MSD-01 at 18-20' (P); DUP-03 at 16-18' (P, S)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3855

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		96	SSHS-B3855-SUB-16-18		GRAVEL, brown, well graded, subrounded to subangular gravel, saturated, medium dense, with silt, and fine to coarse grained sand	11.6
18		100	SSHS-B3855-SUB-18-20		GRAVEL, gray, well graded, subrounded to subangular gravel, saturated, medium dense, with silt, and fine to coarse grained sand, odor	19.1
20		100	SSHS-B3855-SUB-20-22		GRAVEL, brown and gray, poorly graded, well rounded gravel, wet, loose, with coarse grained sand	3.1

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BORING B3855

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		100	SSHS-B3855-SUB-22-24		GRAVEL, brown and gray, poorly graded, well rounded gravel, wet, loose, with coarse grained sand	4.7
24		50	SSHS-B3855-SUB-24-26		SAND, poorly graded, well rounded gravel, wet, loose, and gravel, coarse grained sand	6.3
26		100	SSHS-B3855-SUB-26-28		GRAVEL, brown and gray, poorly graded, well rounded gravel, wet, loose, with medium to coarse grained sand SAND, brown, poorly graded, medium grained, saturated, loose GRAVEL, brown and gray, poorly graded, well rounded gravel, wet, very loose, trace coarse grained sand	1.3
28		50	SSHS-B3855-SUB-28-30		SAND, brownish gray, moderately graded, well rounded gravel, wet, dense, trace gravel, medium grained sand	3.4
30		100	SSHS-B3855-SUB-30-32		CLAY, gray, moist, stiff, high plasticity	0
32					CLAY, gray, moist, stiff, high plasticity	

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BORING B3855

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
34		100	SSHS-B3855-SUB-32-34		Bottom of borehole at 34.0 feet.	0

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BORING B3860

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/13/21 **COMPLETED** 4/13/21
NORTHING 754371.011 ft **EASTING** 762244.635 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES MS/MSD-8 at 26-28' (P, V, S, M, EC); DUP-14 at 24-26' (P, V, S, M, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3860

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16					SANDY GRAVEL, grayish brown, well graded, rounded gravel, sand fine to coarse grained	
		54	SSHS-B3860-SUB-16-18		SANDY GRAVEL, gray, well graded, rounded gravel, sand fine to coarse grained, odor	40.8
18					SANDY GRAVEL, gray, well graded, rounded gravel, sand fine to coarse grained, odor	
		58	SSHS-B3860-SUB-18-20			14.4
20					GRAVEL, brown, moderately graded, well rounded gravel, sand fine to coarse grained, wet, loose, with sand	
		71	SSHS-B3860-SUB-20-22			0.2

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BORING B3860

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22					GRAVEL, brown, well graded, subrounded to subangular gravel, sand fine to coarse grained, saturated, very loose, with sand, and silt	
		71	SSHS-B3860-SUB-22-24			0.1
24					SANDY GRAVEL, brown, poorly graded, well rounded gravel, saturated, medium to coarse sand	
		88	SSHS-B3860-SUB-24-26			0.3
26					SAND, brown, poorly graded, sand medium grained, saturated, medium dense	
		92	SSHS-B3860-SUB-26-28			0.1
28					SAND, brown, poorly graded, sand medium grained, saturated, medium dense	
		67	SSHS-B3860-SUB-28-30			0
30					SAND, brown, poorly graded, sand medium grained, saturated, medium dense	
		88	SSHS-B3860-SUB-30-32			0
32					SAND, brown, poorly graded, sand medium grained, saturated, medium dense	

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BORING B3860

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		92	SSHS-B3860-SUB-32-34			0
34					CLAY, gray, medium stiff, semi-plastic	
		92	SSHS-B3860-SUB-34-36			0
36					CLAY, gray, medium stiff, semi-plastic	
		100	SSHS-B3860-SUB-36-38			0
38					Bottom of borehole at 38.0 feet.	

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BORING B3861

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/14/21 **COMPLETED** 4/14/21
NORTHING 754197.836 ft **EASTING** 762126.574 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES MS/MSD-04 at 34-36' (P), DUP-08 at 28-30' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3861

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		50	SSHS-B3861-SUB-16-18		SANDY GRAVEL, brown, well graded, subrounded gravel, sand fine to coarse grained, dry, dense	0.5
18		67	SSHS-B3861-SUB-18-20		SANDY GRAVEL, brown, well graded, subrounded gravel, sand fine to coarse grained, wet, dense	1.8
20		67	SSHS-B3861-SUB-20-22		SANDY GRAVEL, brown, well graded, subrounded gravel, sand fine to coarse grained, wet, dense	0.7

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BORING B3861

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		100	SSHS-B3861-SUB-22-24		GRAVEL, brown and gray, well graded, subrounded to rounded gravel, wet, loose, some sand	0.9
24		92	SSHS-B3861-SUB-24-26		GRAVEL, brown and gray, well graded, subrounded to rounded gravel, wet, loose, some sand	1.5
26		58	SSHS-B3861-SUB-26-28		SAND, brown and gray, poorly graded, subrounded to subangular gravel, sand fine to coarse grained, moist	2.5
28		67	SSHS-B3861-SUB-28-30		SAND, brown and gray, poorly graded, subrounded to subangular gravel, sand fine to coarse grained, moist, some gravel	3.3
30		67	SSHS-B3861-SUB-30-32		SAND, brown and gray, poorly graded, subrounded to subangular gravel, sand fine to coarse grained, moist, some gravel	2.2
32					GRAVEL, brown and gray, poorly graded, well rounded gravel, wet, loose, with coarse grained sand	

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BORING B3861

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		75	SSHS-B3861-SUB-32-34			1.2
34					CLAY, gray, moist, medium stiff, semi-plastic	
		100	SSHS-B3861-SUB-34-36			0.1
36					CLAY, gray, moist, medium stiff, semi-plastic	
		100	SSHS-B3861-SUB-36-38			0
38					Bottom of borehole at 38.0 feet.	

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BORING B3880

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/17/21 **COMPLETED** 4/17/21
NORTHING 754268.66 ft **EASTING** 762218.994 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES DUP-07 at 20-22' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3880

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		71	SSHS-B3880-SUB-16-18		SANDY GRAVEL, gray, well graded, subrounded gravel, sand fine to coarse grained, wet, odor	28.2
18		50	SSHS-B3880-SUB-18-20		SANDY GRAVEL, gray, well graded, subrounded gravel, sand fine to coarse grained, wet, odor	16.9
20		71	SSHS-B3880-SUB-20-22		SANDY GRAVEL, gray, well graded, subrounded gravel, sand fine to coarse grained, wet, odor	8.6

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3880

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22					SANDY GRAVEL, brown, well graded, subrounded gravel, sand fine to coarse grained, wet	
		75	SSHS-B3880-SUB-22-24			8.1
24					SANDY GRAVEL, brown, well graded, subrounded gravel, sand fine to coarse grained, wet	
		100	SSHS-B3880-SUB-24-26			7.4
26					SILTY SAND, brown, sand fine to coarse grained, wet, dense	
		100	SSHS-B3880-SUB-26-28			2.2
28					SILTY SAND, brown, fine to coarse grained, moist to wet, dense	
		100	SSHS-B3880-SUB-28-30			3.9
30					SILTY SAND, brown, fine to coarse grained, wet, dense	
		100	SSHS-B3880-SUB-30-32			5.2
32					SILTY SAND, brown, fine to coarse grained, wet, dense	

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BORING B3880

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		67	SSHS-B3880-SUB-32-34			2.3
34					CLAY, moist, stiff, high plasticity	
		100	SSHS-B3880-SUB-34-36			0
36					CLAY, moist, stiff, high plasticity	
		100	SSHS-B3880-SUB-36-38			0
38					CLAY, moist, stiff, high plasticity	
		100	SSHS-B3880-SUB-38-40			1.9
40					CLAY, moist, stiff, high plasticity	
		100	SSHS-B3880-SUB-40-42			5.2
42					Bottom of borehole at 42.0 feet.	

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BORING B645A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/18/21 **COMPLETED** 4/18/21
NORTHING 754239.7 ft **EASTING** 762198.029 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES DUP-01 at 16-18' (P, V, S); DUP-02 at 24-26' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:38 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16			SSHS-B645A-SUB-16-18		SANDY GRAVEL, gray, well graded, sand fine grained, with silt, subrounded to subangular gravel up to 3/4" diameter, damp, wet at 17.5' bgs, slight odor, loose to medium dense	52.5
18			SSHS-B645A-SUB-18-20		GRAVELLY SAND, gray, well graded, wet, loose to medium dense, fine grained sand, subrounded to subangular gravel up to 1/2" diameter, slight odor	21.3
20			SSHS-B645A-SUB-20-22		SANDY GRAVEL, gray, well graded, wet, medium dense, with silt, fine grained sand, subrounded to subangular gravel up to 3/4" diameter, slight odor	13.7

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BORING B645A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22			SSHS-B645A-SUB-22-24		SANDY GRAVEL, gray, well graded, wet, loose, with silt, fine grained sand, subrounded to subangular gravel up to 3/4" diameter, slight odor, poor recovery (~10" of 24")	6.3
24			SSHS-B645A-SUB-24-26		SANDY GRAVEL, gray, well graded, wet, medium dense, with silt, fine grained sand, subrounded to subangular gravel up to 3/4" diameter, slight odor, better recovery	4.2
26			SSHS-B645A-SUB-26-28		SILTY SAND, brown, moderately graded, sand fine grained, wet, medium dense to dense	4.1
28			SSHS-B645A-SUB-28-30		SILTY SAND, brown, moderately graded, sand fine grained, wet, dense	2.3
30			SSHS-B645A-SUB-30-32		No recovery after 3 attempts	4.8
32					SILTY SAND, brown, moderately graded, sand fine grained, wet, dense	

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BORING B645A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
			SSHS-B645A-SUB-32-34			2.1
34					SILTY CLAY, gray, hard, plastic, damp	
			SSHS-B645A-SUB-34-36			4.4
36					SILTY CLAY, gray, hard, plastic, damp	
			SSHS-B645A-SUB-36-38			4.3
38					SILTY CLAY, gray, hard, plastic, damp	
			SSHS-B645A-SUB-38-40			3.2
40					SILTY CLAY, gray, hard, plastic, damp	
			SSHS-B645A-SUB-40-42			3.2
42					Bottom of borehole at 42.0 feet.	

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BORING B3881

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/18/21 **COMPLETED** 4/18/21
NORTHING 754259.944 ft **EASTING** 762282.575 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES MS/MSD-04 at 34-35' (P); DUP-08 at 35-37' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3881

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16					SILTY SANDY CLAY, fine grained sand, some subrounded gravel up to 3/4" long, damp, well graded, brown, loose	
		63	SSHS-B3881-SUB-16-18		SANDY GRAVEL, gray, well graded, wet, medium dense, with silt, fine grained sand, subrounded gravel up to 3/4", water table at 16.5' bgs	33.9
18					GRAVELLY SAND, dark gray, well graded, saturated, dense, fine grained sand, subangular to subrounded gravel up to 3/4" diameter, slight odor	
		75	SSHS-B3881-SUB-18-20			43.1
20					GRAVELLY SAND, dark gray, well graded, saturated, dense, fine grained sand, subangular to subrounded gravel up to 3/4" diameter, slight odor, 20-21.7' transitioning to brown gravelly sand - no odor	
		83	SSHS-B3881-SUB-20-22			23.5

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		33	SSHS-B3881-SUB-22-24		GRAVELLY SAND, brown, well graded, saturated, loose, fine grained sand, angular to subangular gravel up to 1"diameter, three attempts to collected sample completed but could not recover sample on 2nd and 3rd attempts	8.6
24		67	SSHS-B3881-SUB-24-26		GRAVELLY SAND, brown, well graded, saturated, loose, fine grained sand, angular to subangular gravel up to 1" diameter, three attempts to collected sample completed but could not recover sample on 3rd attempt, sample taken from first 2 macrocore pushes, insufficient solids to collect VOC sample	11.9
26		58	SSHS-B3881-SUB-26-28		SANDY GRAVEL, well graded, saturated, with silt, fine grained sand, rounded to subangular gravel up to 3/4" diameter, loose to medium dense	5.3
28		100	SSHS-B3881-SUB-28-30		SANDY GRAVEL, well graded, saturated, with silt, fine grained sand, rounded to subangular gravel up to 3/4" diameter, loose to medium dense, at 29.2' bgs transitions to dense silty sand, fine grained sand, well sorted, saturated, brown	4.3
30		88	SSHS-B3881-SUB-30-32		SILTY SAND, brown, poorly graded, saturated, dense, fine grained sand	3.4
32					SILTY SAND, brown, poorly graded, saturated, dense, fine grained sand, increasing silt content with depth	

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BORING B3881

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		58	SSHS-B3881-SUB-32-34			4.2
34		75	SSHS-B3881-SUB-34-35		SILTY SAND, brown, poorly graded, dense, fine grained sand, increasing silt content with depth	5.3
36		75	SSHS-B3881-SUB-35-37		SILTY CLAY, brown gray, semi-plastic to plastic, hard, damp	7.1
38		83	SSHS-B3881-SUB-37-39		SILTY CLAY, gray, semi-plastic to plastic, hard, damp	6.3

Bottom of borehole at 39.0 feet.

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BORING B3870

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/18/21 **COMPLETED** 4/19/21
NORTHING 754271.074 ft **EASTING** 762195.473 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES MS/MSD-05 at 28-30' (P, M, EC); DUP-09 at 26-28' (P, M, EC); last 3' of clay sampled on 19/Apr/2021

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3870

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		63	SSHS-B3870-SUB-16-18		SANDY GRAVEL, gray, well graded, subrounded to subangular gravel, moist, loose, with silt, odor	24.5
18		67	SSHS-B3870-SUB-18-20		SANDY GRAVEL, gray, well graded, subrounded to subangular gravel, wet, loose, with silt, odor SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, wet, with silt, loose to medium dense	13.8
20		100	SSHS-B3870-SUB-20-22		SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, wet, medium dense, with silt	8.4

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BORING B3870

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		100	SSHS-B3870-SUB-22-24		SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, wet, medium dense, with silt	4.5
24		96	SSHS-B3870-SUB-24-26		SANDY GRAVEL, brown, well graded, subrounded to subangular gravel, wet, medium dense, with silt SILTY SAND, brown, poorly graded, wet, dense	7.5
26		100	SSHS-B3870-SUB-26-28		SILTY SAND, brown, poorly graded, wet, dense, 27.5' to 28' bgs had increasing silt content	5.5
28		100	SSHS-B3870-SUB-28-30		SILTY SAND, brown, poorly graded, wet, dense, silt content similar to 26-27.5' bgs	2.5
30		100	SSHS-B3870-SUB-30-32		SILTY SAND, brown, poorly graded, wet, dense, silt content similar to 26-27.5' bgs SILTY CLAY, gray, stiff, non- to medium plastic, damp	2
32					SILTY CLAY, gray, firm to medium stiff, non- to medium plastic, damp	

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BORING B3870

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		100	SSHS-B3870-SUB-32-34			
34					SILTY CLAY, gray, firm to medium stiff, non- to medium plastic, damp	
		100	SSHS-B3870-SUB-34-36			
36					SILTY CLAY, gray, medium plasticity, soft to firm, damp	
		83	SSHS-B3870-SUB-36-38			2.3
38					SILTY CLAY, gray, medium plasticity, soft to firm, damp	
		83	SSHS-B3870-SUB-38-40			0.1
40					Bottom of borehole at 40.0 feet.	

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BORING B3871

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/19/21 **COMPLETED** 4/19/21
NORTHING 754220.144 ft **EASTING** 762217.835 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES DUP-11 at 16-18' (P, V, S, M, EC); DUP-32 at 32-34' (P, V, S, M, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3871

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		88	SSHS-B3871-SUB-16-18		GRAVELLY SAND, gray to dark gray, well graded, moist to wet, medium dense, with silt, fine grained sand, subrounded to subangular gravel up to 1/2" diameter, slight odor	25.4
18		92	SSHS-B3871-SUB-18-20		GRAVELLY SAND, gray to dark gray, well graded, saturated, medium dense, with silt, fine grained sand, subrounded to subangular gravel up to 1/2" diameter, slight odor	35.4
20		67	SSHS-B3871-SUB-20-22		SANDY GRAVEL, dark gray, well graded, saturated, medium dense, with silt, fine grained sand, subangular gravel up to 3/4" diameter, slight odor	33.7

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		75	SSHS-B3871-SUB-22-24		SANDY GRAVEL, dark gray, well graded, saturated, trace silt, very loose to loose, fine grained sand, subangular gravel up to 3/4" diameter	8
24		75	SSHS-B3871-SUB-24-26		SANDY GRAVEL, dark gray, well graded, saturated, trace silt, very loose to loose, fine grained sand, subrounded to subangular gravel up to 1/2" diameter	5.2
26		67	SSHS-B3871-SUB-26-28		SANDY GRAVEL, dark gray, well graded, saturated, trace silt, very loose to loose, fine grained sand, subrounded to subangular gravel up to 3/4" diameter	5
28		63	SSHS-B3871-SUB-28-30		SANDY GRAVEL, dark gray, well graded, saturated, trace silt, very loose to loose, fine grained sand, subrounded to subangular gravel up to 3/4" diameter	6.8
30		50	SSHS-B3871-SUB-30-32		SANDY GRAVEL, dark gray, well graded, saturated, trace silt, very loose to loose, fine grained sand, subrounded to subangular gravel up to 1/2" diameter	2.7
32					SANDY GRAVEL, dark gray, well graded, saturated, trace silt, very loose to loose, fine grained sand, subrounded to subangular gravel up to 1/2" diameter	

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BORING B3871

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		92	SSHS-B3871-SUB-32-34		SILTY SAND, brown, moderately graded, saturated, dense, fine grained sand	2.5
34		75	SSHS-B3871-SUB-34-36		SILTY SAND, brown, moderately graded, saturated, dense, fine grained sand	4.1
36		67	SSHS-B3871-SUB-36-37		SILTY SAND, brown, moderately graded, saturated, dense, fine grained sand	4.3
		100	SSHS-B3871-SUB-37-39		SILTY CLAY, gray, soft to firm, semi-plastic, damp	1.7
38						
40		100	SSHS-B3871-SUB-39-41		SILTY CLAY, gray, soft to firm, semi-plastic, damp	1.8
		100	SSHS-B3871-SUB-41-43		SILTY CLAY, gray, soft to firm, semi-plastic, damp	6.7
42						
		100	SSHS-B3871-SUB-43-45		SILTY CLAY, gray, soft to firm, semi-plastic, damp	5.6
44						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3871

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)

Bottom of borehole at 45.0 feet.

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BORING B3873

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/19/21 **COMPLETED** 4/19/21
NORTHING 754238.3 ft **EASTING** 762235.41 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES MS/MSD-05 at 32-34' (P, V); DUP-06 at 18-20' (P, V)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3873

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		75	SSHS-B3873-SUB-16-18		SANDY GRAVEL, gray, well graded, moist, dense, some silt, fine grained sand, subrounded to subangular up to 1" diameter, slight odor	21.6
18		71	SSHS-B3873-SUB-18-20		GRAVELLY SAND, gray, well graded, wet, dense, with silt, fine grained sand, subrounded to subangular gravel up to 3/4" diameter, slight odor	7
20		63	SSHS-B3873-SUB-20-22		SANDY GRAVEL, brownish gray, well graded, saturated, loose, fine grained sand, subrounded to subangular gravel up to 3/4" diameter	5.7

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3873

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		92	SSHS-B3873-SUB-22-24		SANDY GRAVEL, brownish gray, well graded, saturated, loose to medium dense, fine grained sand, subrounded to subangular gravel up to 3/4" diameter	7.5
24		67	SSHS-B3873-SUB-24-26		SANDY GRAVEL, gray, well graded, saturated, with silt, loose to medium dense, fine to medium grained sand, subangular to subrounded gravel up to 1/2" diameter	11.4
26		42	SSHS-B3873-SUB-26-28		SILTY SAND, brown, moderately graded, saturated, loose, fine to medium grained sand	3.1
28		75	SSHS-B3873-SUB-28-30		SANDY GRAVEL, brown, well graded, saturated, loose to very loose, fine grained sand, subangular to angular gravel up to 1" diameter	2.9
30		75	SSHS-B3873-SUB-30-32		SANDY GRAVEL, brown, well graded, saturated, medium dense, fine grained sand, subangular to angular gravel up to 1" diameter	4.7
32					SILTY SAND, brown, moderately graded, saturated, medium dense, fine grained sand	

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BORING B3873

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		75	SSHS-B3873-SUB-32-34			5.7
34		100	SSHS-B3873-SUB-34-36		SILTY SAND, brown, moderately graded, saturated, medium dense, fine grained sand	8.5
36		100	SSHS-B3873-SUB-36-38		SILTY CLAY, gray, firm to stiff, damp, semi-plastic	6.9
38		100	SSHS-B3873-SUB-38-40		SILTY CLAY, gray, damp, firm to medium stiff, plastic to semi-plastic	5.4
40		100	SSHS-B3873-SUB-40-42		SILTY CLAY, gray, damp, firm to medium stiff, plastic to semi-plastic	8.3
42		100	SSHS-B3873-SUB-42-44		SILTY CLAY, gray, damp, soft to firm, plastic	4.6
44					Bottom of borehole at 44.0 feet.	

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BORING B3872

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 4/20/21 **COMPLETED** 4/20/21
NORTHING 754223.955 ft **EASTING** 762226.767 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** RA
NOTES DUP-05 at 34-36' (P); Elevated PID readings may be in part due to PID meter reading being artificially high; changed to new PID at 34' bgs

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3872

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16					GRAVELLY SAND, brown, well graded, subrounded to subangular gravel, sand fine to coarse grained, moist, dense	
		100	SSHS-B3872-SUB-16-18		SANDY GRAVEL, gray, well graded, subangular gravel, sand fine to coarse grained, wet, dense, odor	81.4
18		63	SSHS-B3872-SUB-18-20		SANDY GRAVEL, gray, well graded, subangular to angular, sand fine to coarse grained, wet, dense, odor	396.3
20		67	SSHS-B3872-SUB-20-22		SANDY GRAVEL, brown, well graded, saturated, loose, fine grained sand, subrounded to subangular gravel up to 3/4" diameter	57

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3872

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		58	SSHS-B3872-SUB-22-24		SANDY GRAVEL, brown, well graded, saturated, loose, fine grained sand, subrounded to subangular gravel up to 3/4" diameter	33.6
24		67	SSHS-B3872-SUB-24-26		SANDY GRAVEL, brown, well graded, saturated, loose, fine grained sand, subrounded to subangular gravel up to 3/4" diameter	38
26		79	SSHS-B3872-SUB-26-28		SANDY GRAVEL, brown, well graded, saturated, loose, fine grained sand, subrounded to subangular gravel up to 1/2" diameter	34.7
28		79	SSHS-B3872-SUB-28-30		SANDY GRAVEL, brown, well graded, saturated, loose, fine grained sand, subrounded to subangular gravel up to 1/2" diameter	17.1
30		33	SSHS-B3872-SUB-30-32		SANDY GRAVEL, brown, well graded, saturated, loose, fine grained sand, subrounded to subangular gravel up to 1/2" diameter	39.1
32					SANDY GRAVEL, brown, well graded, saturated, loose, fine grained sand, subrounded to subangular gravel up to 1/2" diameter	

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BORING B3872

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		58	SSHS-B3872-SUB-32-34			30.4
34					SILTY SAND, brown, fine grained, saturated, medium dense	
		88	SSHS-B3872-SUB-34-36			1.8
36					CLAY, gray to brown, firm to stiff, semi-plastic, damp	
		88	SSHS-B3872-SUB-36-38			3.7
38					CLAY, gray, plastic, damp, firm	
		71	SSHS-B3872-SUB-38-40			2.1
40					CLAY, gray, plastic, damp, firm	
		71	SSHS-B3872-SUB-40-42			1.7
42					CLAY, gray, plastic, damp, firm	
		100	SSHS-B3872-SUB-42-44			3.6
44					Bottom of borehole at 44.0 feet.	

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BORING B3907

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/6/21 **COMPLETED** 5/6/21
NORTHING 754894.138 ft **EASTING** 761764.573 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** DRAFT
NOTES DUP-29 at 28-30' (P, V, S, M, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3907

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		75	SSHS-B3907-SUB-14-16		SILTY SAND, brown, subangular gravel, sand fine to coarse grained, saturated, dense, some gravel	0.1
16		33	SSHS-B3907-SUB-16-18		SANDY GRAVEL, brown, subrounded gravel, moist, loose, with silt, low recovery	0
18		42	SSHS-B3907-SUB-18-20		SAND, brown, subrounded to rounded gravel, sand fine to coarse grained, moist, very loose, and gravel, with silt, low recovery	0
20		50	SSHS-B3907-SUB-20-22		GRAVEL, brown, poorly graded, rounded gravel, wet, very loose, with coarse grained sand	0

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BORING B3907

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22					GRAVEL, brown, poorly graded, rounded gravel, wet, very loose, with coarse grained sand	
		75	SSHS-B3907-SUB-22-24			0
24					GRAVEL, brown, poorly graded, rounded gravel, wet, very loose, with coarse grained sand	
		50	SSHS-B3907-SUB-24-26			0
26					SILTY FINE GRAINED SAND, brown, poorly graded, saturated, loose, low recovery	
		17	SSHS-B3907-SUB-26-28			0
28					SILTY CLAY, brown, poorly graded, saturated, medium dense, with fine to coarse grained sand	
		100	SSHS-B3907-SUB-28-30		GRAVEL, brown and gray, poorly graded, subrounded to rounded gravel, wet, loose, some sand	0
30					SILTY CLAY, brown and gray, damp, medium stiff, medium plasticity	
		100	SSHS-B3907-SUB-30-32			0
32					SILTY CLAY, brown and gray, damp, medium stiff, medium plasticity	

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BORING B3907

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
34		100	SSHS-B3907-SUB-32-34		Bottom of borehole at 34.0 feet.	0

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BORING B3915

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/6/21 **COMPLETED** 5/6/21
NORTHING 755189.584 ft **EASTING** 762103.317 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES DUP-37 at 16--18' (P, V, S, M, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		58	SSHS-B3915-SUB-14-16		GRAVEL, brown and gray, well graded, subrounded to subangular gravel, moist, loose, with fine to coarse grained sand, and silt	0
16		100	SSHS-B3915-SUB-16-18		GRAVEL, brown, well graded, subrounded to subangular gravel, wet, medium dense, with silt, and fine to coarse grained sand	0
18		100	SSHS-B3915-SUB-18-20		GRAVEL, brown, well graded, subrounded to subangular gravel, wet, medium dense, with silt, and fine to coarse grained sand	0
20		100	SSHS-B3915-SUB-20-22		GRAVEL, brown, moderately graded, subrounded gravel, wet, loose, with coarse grained sand, trace silt	0

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3915

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		83	SSHS-B3915-SUB-22-24		SAND, brown, poorly graded, well rounded gravel, saturated, loose, with gravel	0
24		100	SSHS-B3915-SUB-24-26		GRAVEL, brown and gray, poorly graded, well rounded gravel, wet, loose, with coarse grained sand	0
26		100	SSHS-B3915-SUB-26-28		GRAVELLY CLAY, gray, well graded, wet, medium stiff, medium plasticity	0
28		100	SSHS-B3915-SUB-28-30		SILTY CLAY, gray, damp, medium stiff, medium plasticity	0
30					Bottom of borehole at 30.0 feet.	

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3904

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 5/7/21 **COMPLETED** 5/7/21
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-18 at 14-16' (P); DUP-26 at 16-18' (P)

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5					
5.0					
7.5					

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BORING B3904

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				No sample collected *(continued)*	
12.5					
15.0		SSHS-B3904-SUB-14-16		Dense, SAND, with silt, and gravel, sand fine to coarse grained, dry, brown, well graded, subangular gravel	0.1
17.5		SSHS-B3904-SUB-16-18		Dense, SAND, with silt, and gravel, sand fine to coarse grained, dry, brown, well graded, subangular gravel, wet at 17'	0.3
		SSHS-B3904-SUB-18-20		GRAVEL, with medium to coarse grained sand, and silt, wet, brown, well graded, subangular gravel	0.1
20.0		SSHS-B3904-SUB-20-22		GRAVEL, with medium to coarse grained sand, and silt, wet, brown, well graded, subangular gravel	0.2

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BORING B3904

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5		SSHS-B3904-SUB-22-24		Very loose, GRAVEL, with silt, and fine grained sand, saturated, brown, well graded, subrounded gravel	0
25.0		SSHS-B3904-SUB-24-26		Loose, GRAVEL, and medium to coarse grained sand, wet, brown and dark gray, moderately graded, subrounded gravel	0
27.5		SSHS-B3904-SUB-26-28		Loose, GRAVEL, with medium to coarse grained sand, wet, brown, moderately graded, well rounded to subrounded gravel	0.4
30.0		SSHS-B3904-SUB-28-30		Loose, GRAVEL, with medium to coarse grained sand, wet, brown, moderately graded, well rounded to subrounded gravel	0.2
32.5		SSHS-B3904-SUB-30-32		Loose, GRAVEL, with coarse grained sand, wet, brown and light gray, poorly graded, well rounded gravel	0.1
		SSHS-B3904-SUB-32-33		Loose, GRAVEL, with coarse grained sand, wet, brown and light gray, poorly graded, well rounded gravel	0
				Stiff, SILTY CLAY, moist, brown, medium plasticity	

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BORING B3904

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
35.0		SSHS-B3904-SUB-33-35		Stiff, SILTY CLAY, moist, brown, medium plasticity *(continued)*	0
		SSHS-B3904-SUB-35-37		Stiff, SILTY CLAY, moist, gray, medium plasticity	0
				Bottom of borehole at 37.0 feet.	

35.0

37.5

40.0

42.5

45.0

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BORING B3909

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/7/21 **COMPLETED** 5/7/21
NORTHING 755016.845 ft **EASTING** 761901.014 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-20 at 24-26' (P); DUP-31 at 14-16' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3909

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		79	SSHS-B3909-SUB-14-16		SAND, brown and tan, well graded, subrounded gravel, sand fine to coarse grained, dry, loose, with silt, and gravel	0
16		58	SSHS-B3909-SUB-16-18		SAND, brown and tan, well graded, subrounded gravel, sand fine to coarse grained, dry, loose, with silt, and gravel, wet at 17'	0.2
18		54	SSHS-B3909-SUB-18-20		GRAVEL, brown, well graded, subrounded gravel, saturated, loose, with medium to coarse grained sand, trace silt	0.5
20		88	SSHS-B3909-SUB-20-22		GRAVEL, gray, poorly graded, well rounded to subrounded gravel, wet, very loose, trace coarse grained sand	0.6

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3909

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		100	SSHS-B3909-SUB-22-24		GRAVEL, gray, poorly graded, well rounded to subrounded gravel, wet, very loose, trace coarse grained sand	0.5
24		100	SSHS-B3909-SUB-24-26		GRAVEL, gray, moderately graded, well rounded gravel, wet, loose, with medium to coarse grained sand	0.7
26		100	SSHS-B3909-SUB-26-28		GRAVEL, gray, moderately graded, well rounded gravel, wet, loose, with medium to coarse grained sand	1
28		50	SSHS-B3909-SUB-28-30		GRAVEL, gray, moderately graded, well rounded gravel, wet, loose, with medium to coarse grained sand	0.6
30		100	SSHS-B3909-SUB-30-32		GRAVEL, gray, poorly graded, well rounded gravel, wet, loose, trace coarse grained sand	0.8
32					SILTY CLAY, gray, medium stiff, semi-plastic, light brown from 32-33.4'	

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BORING B3909

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		100	SSHS-B3909-SUB-32-34			0
34					SILTY CLAY, gray, medium stiff, semi-plastic	
		100	SSHS-B3909-SUB-34-36			0
36					Bottom of borehole at 36.0 feet.	

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BORING B3882

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 5/10/21 **COMPLETED** 5/10/21
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY AS **CHECKED BY** DRAFT
NOTES MS/MSD-1 at 23-25' (P); DUP-1 at 14-16' (P)

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5					
5.0					
7.5					

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BORING B3882

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				No sample collected *(continued)*	
12.5					
15.0		SSHS-B3882-SUB-14-16		Dense, SANDY GRAVEL, with silt, sand fine to coarse grained, moist, brownish gray, moderate to well graded, subrounded to subangular gravel	1.2
17.5		SSHS-B3882-SUB-16-18		Medium dense, GRAVEL, with medium to coarse grained sand, wet, brown, moderate to well graded, subrounded to subangular gravel	1.2
		SSHS-B3882-SUB-18-20		GRAVEL, with medium to coarse grained sand, trace silt, wet, brown, moderate to well graded, subrounded to subangular gravel, loose to medium dense	1.1
20.0		SSHS-B3882-SUB-20-22		GRAVEL, with medium to coarse grained sand, wet, grayish black, moderate to well graded, subrounded to subangular gravel, loose to medium dense	1.1

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BORING B3882

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5		SSHS-B3882-SUB-22-23		Loose, GRAVEL, with medium to coarse grained sand, moist, brown, moderate to poorly graded, subrounded gravel	0.8
				CLAY, moist, brownish gray, high plasticity, medium stiff to stiff	
		SSHS-B3882-SUB-23-25		CLAY, moist, brownish gray, high plasticity, medium stiff to stiff	0.8
25.0				Stiff, CLAY, moist, gray, high plasticity	
		SSHS-B3882-SUB-25-27		Stiff, CLAY, moist, gray, high plasticity	0
				Bottom of borehole at 27.0 feet.	
27.5					
30.0					
32.5					

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BORING LOG

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Boring ID B3895
Project No. MN0632G/12101
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake + Joe
Rig type Geoprobe

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 5/10/21
MS/MSD 12 25-27 P,V,S,M,EC
Duplicate 16 18-20 P,V,S,M,EC

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
14	0.0	1020	0-16" Brown sandy gravel with silt. wet. Medium dense. Poorly sorted, sub rounded to subangular. Fine to coarse sand.	24	16	P (1) V S M EC	14
16	0.0	1025	0-24" SAA	24	24	P (1) V S M EC	16
18	0.0	1030	0-24" Brown gravel with coarse sand. wet. Loose. Subrounded, well sorted.	24	24	P (1) V S M EC	18
20	0.0	1035	0-24" SAA	24	24	P (1) V S M EC	20
22	0.0	1140	0-19" Brown Fine to coarse sand with gravel. wet. Medium dense. Moderately well sorted. Sub rounded,	24	19	P (1) V S M EC	22
24							24

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BORING LOG

Project No. MN0832G B3895

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
24	0.0	1145	0-12" Brown gravel with medium to coarse sand. Wet. Medium dense. Moderately well sorted. Subrounded.	24	24	P, V S, M, EC (1)	
25		1150	12-24" Brown clay. Moist. Medium stiff. Plastic. Grey, 18-24"			P, V S, M, EC	
26	0.0	1155	0-48" SAA	48	48	P, V S, M, EC (Hold)	
30			EOB @ 30' No temp wells Clay samples collected from 25-27 (1150) and 27-29 (1155)				

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BORING B3905

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/10/21 **COMPLETED** 5/10/21
NORTHING 754876.928 ft **EASTING** 761668.553 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** DRAFT
NOTES DUP-27 at 14-16' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3905

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		79	SSHS-B3905-SUB-14-16		GRAVELLY SAND, brown, poorly graded, sand fine to coarse grained, dry, dense, white sand 14.6-14.75'	0.7
16		58	SSHS-B3905-SUB-16-18		SANDY GRAVEL, brown, well graded, subangular gravel, sand fine to coarse grained, moist	0.9
18		50	SSHS-B3905-SUB-18-20		SANDY GRAVEL, brown, well graded, subangular gravel, sand fine to coarse grained, moist	0.6
20		50	SSHS-B3905-SUB-20-22		SANDY GRAVEL, brown, well graded, subangular gravel, sand fine to coarse grained, moist, some cobbles	0.9

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BORING B3905

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		63	SSHS-B3905-SUB-22-24		SANDY GRAVEL, brown, well graded, subangular gravel, sand fine to coarse grained, moist, some cobbles	1.5
24		58	SSHS-B3905-SUB-24-26		SANDY GRAVEL, brown, well graded, subangular gravel, sand fine to coarse grained, moist, some cobbles	0.6
26		92	SSHS-B3905-SUB-26-28		SANDY GRAVEL, brown, well graded, subangular gravel, sand fine to coarse grained, moist, some cobbles	0.8
28		79	SSHS-B3905-SUB-28-30		GRAVELLY SAND, brown, well graded, subrounded gravel, moist, dense, some silt	0.8
30		46	SSHS-B3905-SUB-30-32		SAND, brown, poorly graded, sand fine to medium grained, moist, dense, with silt	
					GRAVELLY SAND, brown, well graded, subrounded gravel, loose	1.5
32					GRAVELLY SAND, brown, well graded, subrounded gravel, loose	

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BORING B3905

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		88	SSHS-B3905-SUB-32-34			0.9
34					SAND, brown, poorly graded, sand fine to coarse grained, moist, medium dense, trace gravel	
		100	SSHS-B3905-SUB-34-36			0.9
36					SILTY CLAY, gray, damp, medium stiff, medium plasticity	
		92	SSHS-B3905-SUB-36-38			0
38					SILTY CLAY, gray, damp, soft, medium plasticity	
		100	SSHS-B3905-SUB-38-40			0
40					Bottom of borehole at 40.0 feet.	

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BORING B3906

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/10/21 **COMPLETED** 5/11/21
NORTHING 754780.559 ft **EASTING** 761583.563 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-19 at 20-22' (P); DUP-28 at 14-16' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3906

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		100	SSHS-B3906-SUB-14-16		SILTY SAND, light brown to brown, well graded, subangular gravel, sand fine to coarse grained, dry, with gravel, wet at 15.9'	0.6
16		96	SSHS-B3906-SUB-16-18		GRAVEL, brown and gray, well graded, subrounded to subangular gravel, saturated, dense, with sand, and silt	0.9
18		71	SSHS-B3906-SUB-18-20		SANDY GRAVEL, brown, subrounded to subangular gravel, sand fine to coarse grained, saturated, dense, with silt	1
20		54	SSHS-B3906-SUB-20-22		SANDY GRAVEL, brown, subrounded to subangular gravel, sand fine to coarse grained, saturated, dense, with silt	1.1

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BORING B3906

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		67	SSHS-B3906-SUB-22-24		SANDY GRAVEL, brownish gray, well graded, subrounded to subangular gravel, sand fine to coarse grained, wet, loose, trace silt	0.8
24		100	SSHS-B3906-SUB-24-26		SANDY GRAVEL, brownish gray, well graded, subrounded to subangular gravel, sand fine to coarse grained, wet, loose, trace silt	0.5
26		58	SSHS-B3906-SUB-26-28		GRAVEL, brown, moderately graded, subrounded gravel, wet, very loose, with medium to coarse grained sand	0.5
28		96	SSHS-B3906-SUB-28-30		GRAVEL, brown, moderately graded, subrounded gravel, wet, very loose, with medium to coarse grained sand SAND, brown, poorly graded, sand fine grained, wet, medium dense, with silt	0.7
30		100	SSHS-B3906-SUB-30-32		GRAVEL, brown, well graded, subrounded gravel, wet, medium dense, with fine to coarse grained sand	0.4
32					GRAVEL, brown, well graded, subrounded gravel, wet, medium dense, with fine to coarse grained sand	

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BORING B3906

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		79	SSHS-B3906-SUB-32-34			0.4
34					GRAVEL, brown, well graded, subrounded gravel, wet, medium dense, with fine to coarse grained sand	
		100	SSHS-B3906-SUB-34-36			0.5
36					GRAVEL, brown, well graded, subrounded gravel, wet, medium dense, with fine to coarse grained sand	
		58	SSHS-B3906-SUB-36-38			0.5
38					GRAVEL, brown, well graded, subrounded gravel, wet, medium dense, with fine to coarse grained sand	
		100	SSHS-B3906-SUB-38-40			0.4
40					GRAVEL, brown, well graded, subrounded gravel, wet, medium dense, with fine to coarse grained sand	
		100	SSHS-B3906-SUB-40-41			0.6
					CLAY, gray, moist, stiff, medium plasticity	
42		83	SSHS-B3906-SUB-41-43			0
					CLAY, gray, moist, stiff, medium plasticity	
44		83	SSHS-B3906-SUB-43-45		SANDY GRAVEL, gray, subrounded gravel, sand fine to coarse grained, moist,	0

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BORING B3906

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
					loose	

Bottom of borehole at 45.0 feet.

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BORING B3884

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/11/21 **COMPLETED** 5/11/21
NORTHING 755657.269 ft **EASTING** 761909.322 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-3 at 16-18' (P); DUP-4 at 14-16' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3884

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		100	SSHS-B3884-SUB-14-16		SANDY GRAVEL, brown and gray, well graded, subrounded to subangular gravel, sand fine to coarse grained, dense, with silt, dry 14-14.5', wet 14.5-16'	6.1
16		92	SSHS-B3884-SUB-16-18		GRAVEL, gray and brown, poorly graded, subrounded gravel, wet, loose, with coarse grained sand	5.4
18		100	SSHS-B3884-SUB-18-20		SAND, brown, moderately graded, subrounded to rounded gravel, sand fine to coarse grained, saturated, medium dense, with gravel	2.3
20		100	SSHS-B3884-SUB-20-22		GRAVEL, brown, moderately graded, subrounded to rounded gravel, wet, loose, with fine to coarse grained sand, and silt	1.9

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BORING B3884

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		100	SSHS-B3884-SUB-22-24		GRAVEL, brown, moderately graded, subrounded to rounded gravel, wet, loose, with coarse grained sand	3.1
24		100	SSHS-B3884-SUB-24-25		GRAVEL, brown, moderately graded, subrounded to rounded gravel, wet, loose, with coarse grained sand	0.1
26		100	SSHS-B3884-SUB-25-27		SILTY CLAY, brown, wet, very soft, semi-plastic; gray 26.875'-27'	0.1
28		100	SSHS-B3884-SUB-27-29		SILTY CLAY, gray, wet, very soft, semi-plastic	0

Bottom of borehole at 29.0 feet.

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BORING LOG

Geosyntec consultants

Boring ID B3889
Project No. MW0832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Joe & Blake
Rig type Geoprobe

Geologist AS
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 5/11/21
MS/MSD 08 16-18'
Duplicate 09 14-16'

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
14							
	1.8	0910	0-18" brown gravelly sands. medium to coarse grained. medium dense to loose. wet. poorly sorted.	24"	18"	P	
16							
	1.9	0915	0-24" brown gravelly sands. medium to coarse grained. loose to very loose sands. moderate to poorly sorted sub rounded to subangular grains. [redacted] wet.	24"	24"	P	
18							
	1.7	0920	0-24" grayish brown gravelly sands. medium to coarse grained traces of silt. wet. dense. moderate to poorly sorted. subrounded to subangular grains.	24"	24"	P	
20							
	1.9	0925	0-24" grey sandy gravels. medium to coarse grained sands. wet. sub rounded to subangular grains. moderately sorted. traces of fine grained sand. medium dense.	24"	24"	P	
22							
	2.2	0930	0-12" brownish gray sandy gravels. fine to coarse grained sands. moderately sorted. sub rounded to subangular. wet. loose sands.	24"	24"	P	
23	4.9	0935	12-24" brown to gray clay. medium stiff to stiff. medium plasticity.				
24							

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BORING LOG

Project No. MN0832G

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
24	4.5	[redacted] 0935	0-18" greyish-brown saturated clay. very soft. low plasticity	36"			
25				[redacted]"	36"	P	
	4.0	0940	18" - 36" grey wet clay. soft. low plasticity				
26		[redacted]					
27			EOB @ 27'				
			clay collected @ 25-25' and 25-27'				

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BORING LOG

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Boring ID B3894
Project No. MNG832G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Joe & Blake
Rig type Geoprobe

Geologist AS
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 5/11/21
MS/MSD
Duplicate 15 18-20'

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
14	0.7	0830	0-23" brown to tan gravelly sand. medium to coarse grained. dense. Traces of silt. moderately sorted, sub-rounded to sub-angular. Dry from 0-12", wet 12"-23"	24"	23"	P	
16	1.1	0835	0-20" brown gravel with medium to coarse grained sand. moderate to poorly sorted. subrounded to subangular grains. wet. medium dense.	24"	20"	P	
18	1.3	0840	0-20" medium to coarse grained sands. brown gravel with sands. sub rounded. moderately sorted. medium dense. wet.	24"	20"	P	
20	1.6	0845	0-24" brownish-gray gravel with medium to coarse grained sand. moderate to poorly sorted. subrounded. wet. loose sand.	24"	24"	P	
22	1.5	0850	0-18" brownish-gray gravel with coarse grained sands. poorly to moderately sorted. loose sand. sub-rounded. wet. 18"-24" brown clay. very stiff, medium plasticity.	24"	24"	P	
24							

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BORING LOG

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Project No. MN0832G

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
24							
	1.9	0855	0-12" gray gravel with medium to coarse grained sands. sub rounded, sub-angular grains. loose sands. moderately sorted	24"	24"	P	
25							
	[redacted]	0900	12"-24" brown to gray clay. stiff. medium plasticity.				
26	2.0		0-24" grey clay. medium stiff to stiff high plasticity	24"	24"	P	
27							
	1.9	0905					
28				12"	12"		
29			EOB @ 29ft				
			Temp well from 11-26'				
			Clay samples collected @ 25-27' and 27-29'				

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BORING B3930

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/11/21 **COMPLETED** 5/11/21
NORTHING 754746.527 ft **EASTING** 761654.159 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** DRAFT
NOTES DUP-41 at 8-10' (P, V, S, M, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4		79	SSHS-B3930-SUB-4-6		SAND, brown, poorly graded, subrounded gravel, sand fine to coarse grained, dry, medium dense, with gravel	9.6
					SAND, brown, poorly graded, subrounded gravel, sand fine to coarse grained, dry, medium dense, with gravel, odor	
		79	SSHS-B3930-SUB-6-8			30.7
					SAND, brown, poorly graded, subrounded gravel, sand fine to coarse grained, dry, medium dense, with gravel, odor	
		100	SSHS-B3930-SUB-8-10			230.9

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BORING B3930

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		67	SSHS-B3930-SUB-10-12		GRAVELLY SAND, brown, moderately graded, subrounded gravel, sand fine to coarse grained, dry, medium dense	0.3
		88	SSHS-B3930-SUB-12-14		GRAVELLY SAND, brown, moderately graded, subrounded gravel, sand fine to coarse grained, dry, medium dense	0.3
		54	SSHS-B3930-SUB-14-16		GRAVELLY SAND, brown, moderately graded, subrounded gravel, sand fine to coarse grained, dry, medium dense	2
		100	SSHS-B3930-SUB-16-18		GRAVELLY SAND, brown, moderately graded, subrounded gravel, sand fine to coarse grained, wet, medium dense Bottom of borehole at 4.0 feet.	0.9

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BORING B3908

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/11/21 **COMPLETED** 5/12/21
NORTHING 754788.617 ft **EASTING** 761818.314 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES DUP-30 at 14-16' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3908

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		100	SSHS-B3908-SUB-14-16		SAND, light brown to brown, well graded, subrounded to subangular gravel, dense, with silt, and gravel, dry 14-15.67', wet 15.67'-16'	1.4
16		58	SSHS-B3908-SUB-16-18		SAND, brown, moderately graded, subrounded gravel, sand fine to coarse grained, wet, loose, with gravel	1
18		75	SSHS-B3908-SUB-18-20		SAND, brown, moderately graded, subrounded gravel, sand fine to coarse grained, wet, loose, with gravel	0.4
20		58	SSHS-B3908-SUB-20-22		SILTY GRAVEL, grayish black, well graded, subrounded gravel, wet, loose, with sand	0.8

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BORING B3908

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		83	SSHS-B3908-SUB-22-24		SILTY GRAVEL, grayish black, well graded, subrounded gravel, wet, loose, with sand	0.8
24		100	SSHS-B3908-SUB-24-26		SILTY GRAVEL, grayish black, well graded, subrounded gravel, wet, loose, with sand	0.2
26		67	SSHS-B3908-SUB-26-28		SILTY GRAVEL, grayish black, well graded, subrounded gravel, wet, loose, with sand	0.1
28		67	SSHS-B3908-SUB-28-29		SILTY GRAVEL, grayish black, well graded, subrounded gravel, wet, loose, with sand	0.2
30		83	SSHS-B3908-SUB-29-31		CLAY, brown, damp, very stiff, medium plasticity	0
32		100	SSHS-B3908-SUB-31-33		CLAY, gray, damp, soft, medium plasticity	0

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BORING B3908

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
					Bottom of borehole at 33.0 feet.	

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BORING LOG

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Boring ID B3890
Project No. MW0832(G/12K0)
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rich+Zach
Rig type Geoprobe

Geologist A. Wachal
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 12/May/21
MS/MSD -09 (14-16) P
Duplicate -10 (24-26) P

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
14	0.8	1000	0-22" Brown sand with gravel, moist, medium dense, well sorted, Sand fine to coarse grained	24	22	P	
16	0.7	1005	0-8" Brown sandy gravel with silt, wet, loose, poorly sorted, subrounded gravel	24	8	P	
18	0.9	1010	0-13" Brown SAA	24	13	P	
20	0.5	1015	0-12" SAA	24	12	P	
22	1.1	1020	0-15" SAA	24	15	P	
24							

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BORING LOG

Project No. MN0832G

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
24	0.8	1025	0-18" SAA	24	18	P	
26	0.4	1030	0-18" SAA	24	18	P	
28	1.1	1035	0-20" SAA	24	20	P	
30	0.7	1040	0-18" gravel with some fine-coarse sand, wet, loose, well sorted, sub-rounded, brown and gray	24	19	P	
32	0.2	1045	0-17" brown to gray clay, (PS) stiff, damp, medium plastic	24	17	P	
34	0.0	1050	0-24" SAA, but gray and soft	24	24	P	
36			EOB @ 36ft. clay samples taken from 32-34 and 34-36				

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BORING LOG

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Boring ID B3902
Project No. MW0832G/12/01
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rich + Zach
Rig type Geoprobe

Geologist P. Silverhart
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 12/May/2021
MS/MSD -16 (30-32)
Duplicate -24 (14-16)

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
14			~~0-10.5" Brown Sandy gravel w/ silt, wet, loose, poorly sorted, sub rounded gravel~~ (PS)				
	0.8	1650	0-12" brown to gray sandy gravel with silt, wet, medium dense, poorly sorted, sub angular gravel	24	~~(PS)~~ 12	P	
16							
	0.5	1655	0-9" SAA but gray to brown	24	9	P	
18							
	2.4	1430	0-10.5" Brown sandy gravel w/ silt, wet, loose, poorly sorted, sub rounded gravel	24	10.5	P	
20							
	2.1	1435	0-9" SAA	24	9	P	
22							
	1.3	1440	0-12" SAA	24	12	P	
24							

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Project No. MN0832G

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
24			0-15" SAA				
	0.1	1445		24	15	P	
26			0-24" SAA				
	0.6	1450		24	24	P	
28			0-14" same as 24-26 but brown to gray				
	0.8	1455		24	14	P	
30			0-18" gray clay, soft, medium plastic, moist				
	0.0	1500		24	18	P	
32			0-48" SAA				
	0.0	1505		48	48	P	
36							

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BORING B3914

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/12/21 **COMPLETED** 5/12/21
NORTHING 755303.511 ft **EASTING** 762055.226 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES DUP-36 at 14-16' (P, V, S, M, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3914

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		75	SSHS-B3914-SUB-14-16		SAND, brown, poorly graded, well rounded, medium to coarse grained, wet, medium dense	0
16		0			3 pushes attempted, no recovery	
18		75	SSHS-B3914-SUB-18-20		SAND, brown, poorly graded, well rounded, medium to coarse grained, wet, medium dense	0
20		58	SSHS-B3914-SUB-20-22		GRAVEL, poorly graded, well rounded, wet, loose, with coarse grained sand GRAVEL, poorly graded, well rounded, wet, loose, with coarse grained sand	0

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BORING B3914

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		75	SSHS-B3914-SUB-22-24		GRAVEL, poorly graded, well rounded, wet, loose, with coarse grained sand	0
24		58	SSHS-B3914-SUB-24-26		SAND, brown, poorly graded, rounded gravel, sand medium grained, saturated, medium dense, trace gravel	0
26		92	SSHS-B3914-SUB-26-28		SILTY CLAY, moist, medium stiff, plastic, brown 26-27', gray 27-28'	0
28		100	SSHS-B3914-SUB-28-30		SILTY CLAY, gray, moist, medium stiff, plastic	0
30		100	SSHS-B3914-SUB-30-32			0
32					Bottom of borehole at 32.0 feet.	

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BORING B3916

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/12/21 **COMPLETED** 4/12/21
NORTHING 755078.744 ft **EASTING** 762147.419 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES DUP-38 at 14-16' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		79	SSHS-B3916-SUB-14-16		GRAVEL, brown, moderately graded, well rounded gravel, wet, loose, with fine to coarse grained sand, trace silt	0.8
16		83	SSHS-B3916-SUB-16-18		GRAVEL, brown, well graded, subrounded to rounded gravel, saturated, very loose, with fine to coarse grained sand, and silt	0.8
18		50	SSHS-B3916-SUB-18-20		SAND, brown, poorly graded, subrounded gravel, saturated, medium dense, trace gravel	1.3
20		100	SSHS-B3916-SUB-20-22		GRAVEL, brown, poorly graded, well rounded gravel, wet, loose, with coarse grained sand	0.6

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BORING B3916

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		88	SSHS-B3916-SUB-22-24		GRAVEL, brown and gray, moderately graded, saturated, very loose, with coarse grained sand	4
24		71	SSHS-B3916-SUB-24-26		CLAY, brown, poorly graded, well rounded, saturated, loose, medium	2
					GRAVEL, black, poorly graded, well rounded gravel, wet, very loose	
26		100	SSHS-B3916-SUB-26-28		SANDY GRAVEL, brown and gray, moderately graded, subrounded gravel, sand medium to coarse grained, moist, medium dense	1.2
28		100	SSHS-B3916-SUB-28-30		SILTY CLAY, damp, medium stiff, plastic, brown 28-28.5', gray 28.5'-30'	0
30		100	SSHS-B3916-SUB-30-32		SILTY CLAY, gray, damp, medium stiff, plastic	0
32					Bottom of borehole at 32.0 feet.	

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BORING B3917

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/12/21 **COMPLETED** 5/13/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES DUP-39 at 0.17-2' (P, V, S, M, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		63	SSHS-B3917-SUB-0-2		SILT, brown, moist, dense	0
2		71	SSHS-B3917-SUB-2-4		SANDY GRAVEL, brown and gray, well graded, subangular gravel, sand fine to coarse grained, moist, with silt, fill SANDY GRAVEL, gray and black, well graded, subangular gravel, sand fine to coarse grained, damp, with silt, fill	0.1
4		54	SSHS-B3917-SUB-4-6		SANDY GRAVEL, gray and black, well graded, subangular gravel, sand fine to coarse grained, damp, with silt, fill	0
6		71	SSHS-B3917-SUB-6-8		SILTY SAND, brown to dark brown, well graded, subangular gravel, moist, medium dense, with gravel, fill	0
8		79	SSHS-B3917-SUB-8-10		SILTY SAND, brown to dark brown, well graded, subangular gravel, moist, medium dense, with gravel, fill	0
10						

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BORING B3917

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		79	SSHS-B3917-SUB-10-12		SILTY SAND, brown to dark brown, well graded, subangular gravel, moist, medium dense, with gravel, fill	0
12		58	SSHS-B3917-SUB-12-14		SILTY SAND, brown to dark brown, well graded, subangular gravel, moist, medium dense, with gravel, fill	0
14		50	SSHS-B3917-SUB-14-16		SANDY GRAVEL, brown, moderately graded, subrounded gravel, wet, medium dense	
16		100	SSHS-B3917-SUB-16-18		SANDY GRAVEL, gray, well graded, subrounded gravel, moist, loose	
18		92	SSHS-B3917-SUB-18-20		SANDY GRAVEL, brown, poorly graded, rounded gravel, wet, with silt	0
20		83	SSHS-B3917-SUB-20-22		SANDY GRAVEL, brown, poorly graded, rounded gravel, wet, with silt	
					SAND, brown, poorly graded, well rounded, medium grained, wet, loose	0
					SAND, brown, poorly graded, well rounded, medium grained, wet, loose	
					SANDY GRAVEL, brown, poorly graded, well rounded gravel, wet, coarse grained sand	0

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3917

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22					SANDY GRAVEL, brown, poorly graded, well rounded gravel, wet, coarse grained sand	
		75	SSHS-B3917-SUB-22-24			0
24					SANDY GRAVEL, brown, poorly graded, well rounded gravel, wet, coarse grained sand	
		67	SSHS-B3917-SUB-24-26			0
26					SAND, brown, poorly graded, well rounded gravel, wet, loose, trace gravel, coarse grained sand	
		100	SSHS-B3917-SUB-26-28			0
28					SAND, brown, poorly graded, well rounded gravel, wet, loose, trace gravel, coarse grained sand	
		100	SSHS-B3917-SUB-28-30			0.1
30					SILTY CLAY, gray, damp, medium plasticity	
		100	SSHS-B3917-SUB-30-32			0
32					SILTY CLAY, gray, damp, medium plasticity	

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3917

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
34		100	SSHS-B3917-SUB-32-34		Bottom of borehole at 34.0 feet.	0

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3918

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/12/21 **COMPLETED** 5/13/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES DUP-40 at 0.17-2' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					SILT, brown, moist, dense	
		83	SSHS-B3918-SUB-0-2		SANDY GRAVEL, light tan, well graded, subangular gravel, sand fine to coarse grained, dry, with silt, fill	2.5
2					SANDY GRAVEL, light tan, well graded, subangular gravel, sand fine to coarse grained, dry, with silt, fill	
		88	SSHS-B3918-SUB-2-4			1.1
4					SILTY SAND, brown, well graded, subangular gravel, sand fine to coarse grained, damp, with gravel, fill	
		58	SSHS-B3918-SUB-4-6			1.4
6					SANDY GRAVEL, light tan and gray, well graded, angular gravel, sand fine to coarse grained, dry, loose, with silt, fill	
		63	SSHS-B3918-SUB-6-8			0.4
8					SANDY GRAVEL, light tan and gray, well graded, dry, medium dense, with silt, fill	
		88	SSHS-B3918-SUB-8-10			1.1
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3918

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		63	SSHS-B3918-SUB-10-12		SANDY GRAVEL, light tan and gray, well graded, dry, medium dense, with silt, fill	2.6
12		67	SSHS-B3918-SUB-12-14		SANDY GRAVEL, light tan and gray, well graded, damp, medium dense, with silt, fill	0.6
14		67	SSHS-B3918-SUB-14-16		SANDY GRAVEL, brown, well rounded to subrounded gravel, sand fine to coarse grained, wet, medium dense, with silt	0.5
16		79	SSHS-B3918-SUB-16-18		SANDY GRAVEL, brown, well graded, sand fine to coarse grained, loose, moist to wet	0.6
18		92	SSHS-B3918-SUB-18-20		GRAVEL, brown, poorly graded, subrounded gravel, wet, loose, with medium to coarse grained sand	0.4
20		100	SSHS-B3918-SUB-20-22		GRAVEL, brown, poorly graded, subrounded gravel, wet, loose, with medium to coarse grained sand	0.3

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BORING B3918

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		67	SSHS-B3918-SUB-22-24		GRAVEL, brown, poorly graded, subrounded gravel, wet, loose, with medium to coarse grained sand	0.6
24		100	SSHS-B3918-SUB-24-26		GRAVEL, brown, poorly graded, wet, loose, with coarse grained sand	0.8
26		100	SSHS-B3918-SUB-26-28		GRAVEL, brown, poorly graded, wet, loose, with coarse grained sand	1.1
28		100	SSHS-B3918-SUB-28-30		SILTY CLAY, damp, stiff, low plasticity	0
30		100	SSHS-B3918-SUB-30-32		SILTY CLAY, damp, stiff, low plasticity	0
32					Bottom of borehole at 32.0 feet.	

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BORING LOG

Geosyntec consultants

Boring ID B3891
Project No. MN08320
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Richt Zach
Rig type Geoprobe

Geologist PS
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 5/13/21
MS/MSD -10 (14-16) PVSMEC
Duplicate -11 (20-22) PVSMEC

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
14	0.2	1310	0-16" brown damp, well sorted medium sand, moist, medium dense	24	23	P,V,S, M,EC	
16			16-23" brown sandy gravel, medium dense, poorly sorted, subangular, wet				
	0.3	1315	Same as 16-23" above	24	12	P,V,S, M,EC	
18	0.0	1320	0-10" SAA	24	10	PVSMEC	
20	0.5	1325	0-17" SAA	24	17	PVSMEC	
22	0.3	1330	0-14" SAA, but brown to gray color	24	14	PVSMEC	
24							

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BORING LOG

Project No. MN0832G

B 3891 (cont.)

Geosyntec consultants

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
24	0.9	1335	0-15" SAA	24	15	PVSMEC	
26	0.4	1340	0-14" SAA, but with silt	24	14	PVSMEC	
28	0.2	1345	0-13" Gray and brown gravel, some sand, subrounded gravel, well sorted, loose, wet	24	13	PVSMEC	
30	0.0	1350	0-20" Brown to gray clay, damp, medium stiff, medium plasticity	24	20	PVSMEC	
32	0.0	1355	0-24" SAA, but gray	24	24	PVSMEC	
34			EOB @ 34' bgs clay samples collected: 30-32' and 32-34'				

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BORING LOG

Geosyntec consultants

Boring ID B3493
Project No. MN08326
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Joe + Blake
Rig type Geoprobe

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 5/13/21
MS/MSD
Duplicate 14 (14-16) P

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
14							
	1.1	1410	0-16" Brown sandy gravel. wet. Moderately well sorted. Dense. Sub rounded. Fine to coarse Sand	24	16	P	
16							
	1.7	1415	0-13" SAA	24	13	P	
18							
	0.5	1420	0-15" Brown gravel with coarse sand. wet. Loose. Sub rounded. well sorted.	24	15	P	
20							
	1.6	1425	0-24" Brown medium sand with fine gravel. wet. Medium dense. well rounded. well sorted.	24	24	P	
22							
	1.3	1430	0-24" SAA	24	24	P	
24							

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BORING LOG

Project No. MN0832G B3893

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
24							
	2.2	1435	0-24" Grey gravel with coarse sand. Wet. well rounded, well sorted. Loose	24	24	P	
26							
	1.7	1440	0-24" SAA	24	24	P	
28							
		1445	0-48" Silty clay, Medium stiff. Moist. Medium plasticity. Brown 0-8", Grey 8-48'	48	48	P	
		1450				P (Hold)	
32							

EOB @ 32'
Clay samples collected from 28-30 and 30-32
Temp wells set 12-22 and 19-29

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BORING LOG

Geosyntec consultants

Boring ID B3901
Project No. MN08326
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Rich + Zach
Rig type Geoprobe

Geologist PS
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 5/13/21
MS/MSD -
Duplicate -23 (14-16)

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
14	0.2	830	0-20" brown Fine to coarse sand with gravel and some silt, medium dense, poorly sorted, subangular, dry	24	20	P	
16	0.4	835	0-13" SAA but wet (PS)	24	13	P	
18	0.5	840	0-18" brown Fine to coarse sand and gravel with some silt, medium dense, poorly sorted, subangular, wet	24	18	P	
20	0.4	845	0-12" SAA	24	12	P	
22	0.8	850	0-12" SAA 12-16" gray clay w/ some gravel	24	18	P	
24							

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BORING LOG

Project No. MN0832G

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
24	0.3	855	0-9" ~~brown fine to coarse sand with gravel, trace silt, medium dense~~ (PS) same as 0-12" above 9-24" gray fine to coarse sand with gravel, and clay (PS) very dense, poorly sorted, subangular, dry, 14-16" gravel lense	24	24	P	
26	0.5	900	0-10" same as 0-9" above 10-22" gray fine-coarse sand and clay with gravel, very dense, poorly sorted, subangular, dry	24	22	P	
28	0.6	905	0-8" same as 0-10" above 8-24" same as 10-22" above	24	24	(PS)	
30	1.0	910	0-13" SAA but more dense	24	13		
32	0.8	915	(PS) 0-15" SAA	24	15		
34			End of boring 34'. Clay sampled 24-26 and 26-28				

BORING LOG

Geosyntec consultants

Boring ID B3886
Project No MW08326/12/01
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Blake Joe
Rig type Geoprobe

Geologist A. Wahed
Drilling Method Direct Push
Borehole Dia 1.5"
Depth to Water 16'
Date 14/May/21
MS/MSD 7 (14-16) P
Duplicate 8 (20-22) P

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analysis	Depth (ft)
14	1.3	1130	0 – 15" Brown sandy gravel, dry, medium dense, poorly sorted, subrounded to subangular gravel, fine sand	24	15	P	
16	1.3	1135	0-12" Brownish gray sandy gravel, dry, very dense, poorly sorted, subrounded to subangular gravel, fine to coarse sand	24	12	P	
18	2.1	1140	0-15" ~~Brown~~ SAA, ~~wet~~ (NL), slight odor (NL)	24	15	P	
20	1.8	1145	0-24" SAA, no odor	24	24	P	
22	2.1	1150	0-24" SAA	24	24	P	
24							

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BORING LOG

Project No. MN0832G

B3888

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
24	0.9	1155	0-24" SAA, but moist	24	24	P	
26	0.7	1200	SAA 0-12"	12	12	P	
27	0.0	1205	0-24" Brown to gray clay, very stiff, damp, high plasticity	24	24	P	
29	0.0	1210	0-24" SAA, gray	24	24	P	
31			EoB @ 31' bgs clay samples collected from: 27-29' and 29-31'				

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BORING LOG

Geosyntec consultants

Boring ID B3892
Project No. MN08326
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Joe + Blake
Rig type Geoprobe

Geologist SP
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 5/14/21
MS/MSD 11 (22-24') P
Duplicate 12 (14-16) P
13 (16-18') P

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
14	0.8	830	0-18" Brown sand, some Gravel, dry, well sorted, medium dense, fine to medium grained sand, subangled gravel	24	18	P	16
16	0.7	835	0-18" Brown gravelly sand with silt, wet, poorly sorted, medium dense, subangled to subangular gravel	24	18	P	18
18	0.8	840	0-12" SAA, but fine to coarse sand	24	12	P	20
20	0.6	845	0-22" Sandy gravel with some silt, brown and gray, medium dense, subangled to subangular, poorly sorted, wet, fine to coarse sand	24	22	P	22
22	0.9	850	0-24" Gravelly sand, brown, wet, medium dense, fine to coarse sand, subangled gravel, well sorted	24	24	P	24

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BORING LOG

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Project No. MN0832G B3892

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
24	0.5	855	0-24" Gray rounded to subangular gravel with sand, wet, loose, well sorted,	24	24	P	
26	0.8	900	0-24" SAA, but poorly sorted	24	24	P	
28	1.2	905	0-24" SAA, very dense	24	24	P	
30	0.7	910	0-12" SAA	12 bgs	12	P	
31	0.0		0-24" Gray clay, damp, medium stiff, high plasticity				
32	1.1	915		24	24	P	
33		915					
34	0.0	920	0-24" SAA	24	24	P	
35			EOBC 35' bgs Clay samples collected 31-33' and 33-35'				

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BORING LOG

Geosyntec consultants

Boring ID B3899
Project No. MN08526
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Zac & Rich
Rig type Geoprobe

Geologist AS
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date ~~5/13/21~~ 5/14/2021
MS/MSD
Duplicate 21 14-16'

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
14							
	0.0	0855	0-24" gray to light brown gravelly sands. dry to moist. fine to medium grained, sub angular. well to moderately sorted. some pebbles/gravels. medium to dense.	24"	24"	PVSMEC	
16							
	1.0	0900	0-24" dark brown gravelly sands. loose to medium dense, moist. fine to medium grained. well to moderately sorted. sub angular grains. some pebbles.	24"	24"	PVSMEC	
18							
	0.0	0905	0-16" dark brown gravelly sands, medium dense. medium to coarse grained. well sorted, wet. sub angular to subrounded grains.	24"	16"	PVSMEC	
20							
	0.0	0910	0-16" grey-brown gravelly sands. medium dense. moderately sorted. fine to coarse grained sands. sub angular to subrounded grains. wet.	24"	16"	PVSMEC	
22							
	0.0	0915	0-14" grey gravels with medium to fine grained sands. medium dense. moderately to poorly sorted. sub rounded to sub angular grains. wet	24"	14"	PVSMEC	
24							

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BORING LOG

Project No. MN0832G B3899

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
24	0.0	0920	0 - 12" grey gravels w/ medium to coarse grained sand. moderate to poorly sorted. sub rounded - subangular grains. wet. loose sand.	24"	12"	PVSMEC	24
26	0.0	0925	0 - 16" brown gravel with medium to coarse grained sand. moderate to poorly sorted. sub rounded to subangular. wet. loose to medium dense.	24"	16"	PVSMEC	26
28	0.2	0930	0 - 2" brown gravel with medium to coarse grained sand. moderate to poorly sorted. sub rounded grains. wet. medium dense. 2 - 24" brown clay. stiff. low plasticity. moist	24"	24"	PVSMEC	28
30	0.0	0935	0 - 24" grey clay. very stiff. shale lences. wet to dry. low plasticity	24"	24"	PVSMEC	30
32			EOB @ 32' clay collected @ 28-30' and 30-32'				32

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BORING LOG

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Boring ID B3900
Project No. MN08326
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Zac & Rich
Rig type Geoprobe

Geologist AS
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date ~~5/13/21~~ 5/14/2021
MS/MSD 15 20-22'
Duplicate 22 18-20'

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
14	1.5	0815	0-12" ~~dark brown~~ gravelly sands, primarily fine to medium grained, some pebbles (coarse grains), moderately sorted, moist, sub rounded to subangular, medium dense.	24"	12"	P	
16	1.0	0820	0-16" dark brown sandy gravels, medium to coarse grained, moderate to poorly sorted, sub rounded to subangular, loose, wet.	24"	16"	P	
18	2.3	0825	0-20" brown gravels with fine to medium grained sand, moderate to poorly sorted, sub rounded to subangular grains, medium dense, wet.	24"	20"	P	
20	3.5	0830	0-22" brownish-gray gravelly sands, fine to medium grained, moderate to poorly sorted, subangular, wet, dense.	24"	22"	P	
22	3.2	0835	0-20" dark brown, fine to medium grained gravelly sands, moderate to coarse grained, sub rounded to subangular, wet, dense.	24"	20"	P	
24							

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BORING LOG

Project No. MN0832G

B390D

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
24	1.3		0-12" brown sandy gravels. very loose, wet, medium to coarse grained. moderate to poorly sorted. subrounded.				
25	—	0846	12-24" grey-brown clay. Stiff. high to medium plasticity wet.	24"	24"	P	
	1.8						
26							
			0-48" grey-brown clay. medium stiff. high plasticity. wet				
27	—	0845	[redacted]"	48"	48"	P	
28	1.8	0850					
30			↑ same as above				
			EOB @ 30'				
			clay collected @ 25'-27' and 27'-29'				
			Dup-22 @ 18-20'				
			MS/MSD-15 @ 20-22				

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BORING LOG

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Boring ID B3896
Project No. MN08326
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Zach
Rig type Geoprobe

Geologist AS
Drilling Method Direct Push
Borehole Dia 1.5"
Depth to Water
Date 5/15/21
MS/MSD 13 16-18'
Duplicate 17 20-22'

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
14	1.2	0925	0-12" gray gravels w/ fine to medium grained sand. loose. wet. sub rounded to subangular. moderately sorted.	24"	12"	P	
16	1.3	0930	0-16" brown gravels with medium to coarse grained sands. sub rounded to subangular. wet. moderately sorted. medium dense.	24"	16"	P	
18	1.6	0935	0-12" gray gravel with medium to fine grained sands. moderately sorted. subrounded to subangular grains. wet. loose.	24"	12"	P	
20	1.2	0940	0-14" black-gray gravel with fine to medium grained sands. moderately sorted. loose. wet. subangular to subrounded grains.	24"	14"	P	
22	1.6	0945	0-12" gray and brown gravel with coarse grained sands. moderately sorted. very loose. wet. subrounded grains.	24"	24"	P	
24	1.0	0950	12-24" gray clay. medium stiff. medium plasticity.				

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BORING LOG

Project No. MN0832G

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
24	1.0	0950	0-36" gray clay. medium stiff. high plasticity. wet.	36"	36"	P	
25	—	—					
	0.6	0955					
26							
27	—	—	EOB @ 27'				
			Clay collected @ 23'-25' and 25'-27'				
			MS/MSD-13 collected @ 16-18'				
			Dup-17 collected @ 20-22'				

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BORING B3912

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 5/15/21 **COMPLETED** 5/15/21
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY AS **CHECKED BY** DRAFT
NOTES DUP-34 at 16-18' (P)

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				Loose, GRAVEL, with medium to coarse grained sand, moist, dark brown, moderately graded, subrounded to subangular gravel	
2.5					
5.0					
7.5					

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BORING B3912

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0				Loose, GRAVEL, with medium to coarse grained sand, moist, dark brown, moderately graded, subrounded to subangular gravel *(continued)*	
12.5					
15.0		SSHS-B3912-SUB-14-16		Medium dense, GRAVELLY SAND, wet, dark black, moderately graded, subangular gravel	0.2
17.5		SSHS-B3912-SUB-16-18		GRAVEL, with medium to coarse grained sand, grayish brown, moderately graded, subangular gravel, medium dense to dense	0.8
		SSHS-B3912-SUB-18-20		Loose, GRAVEL, with fine to medium grained sand, wet, gray, well graded, subrounded gravel	2.9
20.0		SSHS-B3912-SUB-20-22		Loose, GRAVEL, with medium to coarse grained sand, wet, grayish brown, well graded	1.1

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BORING B3912

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				Loose, GRAVEL, with medium to coarse grained sand, wet, grayish brown, well graded *(continued)*	
22.5				Loose, GRAVEL, with medium to coarse grained sand, wet, grayish brown, well graded	
		SSHS-B3912-SUB-22-24			1.1
		SSHS-B3912-SUB-24-25		Loose, GRAVEL, with medium to coarse grained sand, wet, gray to black, well graded, subangular gravel	1.2
25.0				Stiff, CLAY, brown to gray, medium plasticity	
		SSHS-B3912-SUB-25-27			0.2
				CLAY, wet, gray, medium plasticity, medium stiff (27-28')	
27.5		SSHS-B3912-SUB-27-29			0.2
				Bottom of borehole at 29.0 feet.	
30.0					
32.5					

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BORING LOG

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Boring ID B3887
Project No. HN0839G
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Zach
Rig type Geoprobe

Geologist AS
Drilling Method Direct Push
Borehole Dia 1.5"
Depth to Water
Date 5/15/21 - 5/16/21
MS/MSD -6 26-28'
Duplicate -7 20-22'

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
14							
	0.6	1000	0-12" ~~dark brown~~ gravelly sands. medium to coarse grained. loose. moist. subrounded to sub angular. moderately sorted.	24"	12"	P	
16							
	1.0	1005	0-12" dark brown gravelly sands. medium to coarse grained. subrounded. moderately sorted. wet. medium dense.	24"	12"	P	
18							
	0.8	1010	0-8" grey black gravel with medium to coarse grained sand. loose. wet. sub angular to subrounded	24"	8"	P	
20							
	1.2	1015	0-10" brown sandy gravels. medium to coarse grained. moderate to well sorted. medium dense to dense. sub rounded grains. wet.	24"	10"	P	
22							
	1.3	1020	0-10" gray gravel w/ medium to coarse grained sands. loose. wet. sub rounded to subangular grains. moderately sorted.	24"	12"	P	
24							

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BORING LOG

Project No. MN0832G

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
24	1.1	1025	0-12" gray gravels with medium to coarse grained sands. sub angular to subrounded. moderately sorted. wet. medium dense to loose.	24"	12"	P	
26	(continue 5/16)						
	0.1	0830	0-24" gray-brown gravels with medium to coarse grained sands. sub rounded to subangular grains. poorly sorted. loose. saturated.	24"	24"	P	
28	0.0	0835	0-48" gray clay. medium stiff. low plasticity. wet.	48"	48"	P	
30	0.0	0840					
32			EOB @ 32'				
			clay collected @ 28-30' and 30-32'				
			MS/MSD-6 collected @ 26-28'				
			Dup-7 collected @ 20-22'				

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BORING LOG

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Boring ID B3897
Project No. MN08326
Project Name Former Sperry Remington-North
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) Zach
Rig type Geoprobe

Geologist AS
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 5/16/2021
MS/MSD 18-20'
Duplicate -18 16-18'
-19 18-20'

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
14							
	0.1	0920	0-12" gravelly sands. medium to coarse grained. sub-rounded to subangular. medium dense. moist. moderately sorted	24"	12"	P	
16							
	0.0	0925	0-18" redish-brown gravels with medium to coarse grained sands. some fine grained sands. loose. moist. moderate to poorly sorted. subrounded to subangular grains	24"	18"	P	
18							
	0.8	0930	0-24" brown gravelly sands. medium to coarse grained. moderately sorted. sub rounded to subangular. wet.	24"	24"	P	
20							
	0.0	0935	0-12" gray gravels with fine to medium grained sand. moderately sorted sub rounded to subangular grains. wet. loose.	24"	12"	P	
22							
	0.0	0940	0-12" grey subrounded gravel with fine to medium grained sand. wet. loose. moderately sorted.	24"	24"	P	
	0.0	0945	0-12" stiff grey-brown clay. moist. low plasticity				
24							

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BORING LOG

Project No. MN0832G

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Sat (inches)	Recovery (inches)	Analytes	Depth (ft)
24	0.0	0945	0-12" brown-grey soft clay. saturated. medium plasticity.				
25			12-36" brown-grey clay. soft to medium stiff. medium to high plasticity. wet.	3½"	3½"	P	
	0.0	0950					
27							
			EOB @				
			clay collected @ 23-25' and 25'-27'				
			Dup-18 collected @ 16-18'				
			Dup-19 collected @ 18-20'				

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BORING B3919

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/16/21 **COMPLETED** 5/16/21
NORTHING 755406.539 ft **EASTING** 761984.511 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY AS **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
15		50	SSHS-B3919-SUB-14-16		GRAVEL, brown, moderately graded, wet, loose, with medium to coarse grained sand, subrounded to subangular gravel	0
		75	SSHS-B3919-SUB-16-18		GRAVEL, gray, moderately graded, wet, medium dense, with medium to coarse grained sand, subrounded to subangular gravel	0.6
		92	SSHS-B3919-SUB-18-20		GRAVELLY SAND, brown, moderately graded, subrounded, sand fine to medium grained, saturated, medium dense, trace silt	0.4
20		50	SSHS-B3919-SUB-20-22		GRAVELLY SAND, brown, moderately graded, subrounded to subangular, sand fine to medium grained, wet, medium dense, trace silt	0.5
		100	SSHS-B3919-SUB-22-24		GRAVELLY SAND, brown, moderately graded, subrounded to subangular, sand fine to medium grained, wet, medium dense to dense, clay from 23.8-24' bgs	1.2
25		100	SSHS-B3919-SUB-24-26		CLAY, grayish brown, soft, high plasticity	0
		100	SSHS-B3919-SUB-26-28		CLAY, grayish brown, soft, high plasticity	0

Bottom of borehole at 28.0 feet.

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BORING B3021A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 5/17/21 **COMPLETED** 5/17/21
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY PS **CHECKED BY** DRAFT
NOTES MS/MSD-22 at 10-12' (P, V, S, M, EC); DUP-42 at 12-14' (P, V, S, M, EC)

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5				Medium dense, SILT, some medium to coarse grained gravel, moist, black to brown, well graded, subrounded gravel	
5.0		SSHS-B3021-SUB-4-6		Rock fragments to well graded GRAVEL and fine to medium grained sand, medium dense, subrounded gravel, moist	0
				Medium dense, SAND, some silt, and medium grained gravel, damp, brown and black, moderately graded, subrounded gravel, fine grained sand	
				Concrete fragments to fine grained SAND with gravel, well graded, subangular gravel, dry	
		SSHS-B3021-SUB-6-8			0
7.5				SAND, with medium grained gravel, sand fine to coarse grained, damp, brown, subangular gravel	
		SSHS-B3021-SUB-8-10		Medium dense, SAND, with medium to coarse grained gravel, sand fine to medium grained, moist, brown, subrounded to subangular gravel	0

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BORING B3021A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3021-SUB-10-12		Dense, FINE GRAINED SAND, with medium to coarse grained gravel, and rock fragments, damp, brown to gray, well graded, subangular gravel	0
12.5		SSHS-B3021-SUB-12-14		Dense, FINE GRAINED SAND, with medium to coarse grained gravel, and rock fragments, damp, brown to gray, well graded, subangular gravel	0.3
15.0		SSHS-B3021-SUB-14-16		Dense, FINE GRAINED SAND, with medium to coarse grained gravel, and rock fragments, damp, brown to gray, well graded, subangular gravel	0.4
		SSHS-B3021-SUB-16-18		Dense, FINE GRAINED SAND, with medium to coarse grained gravel, and rock fragments, damp, brown to gray, well graded, subangular gravel	0.4
17.5				Medium dense, GRAVEL, and fine to medium grained sand, and rock fragments, saturated, well graded, subrounded to subangular gravel, medium to coarse grained gravel	
		SSHS-B3021-SUB-18-20		GRAVEL, some medium grained sand, saturated, gray, well graded, well rounded to subrounded gravel	0.1
20.0				Bottom of borehole at 20.0 feet.	

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LOGO

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CPT NUMBER B3921

CLIENT Unisys Corporation

PROJECT NAME Former Sperry Remington

PROJECT NUMBER MN0832G

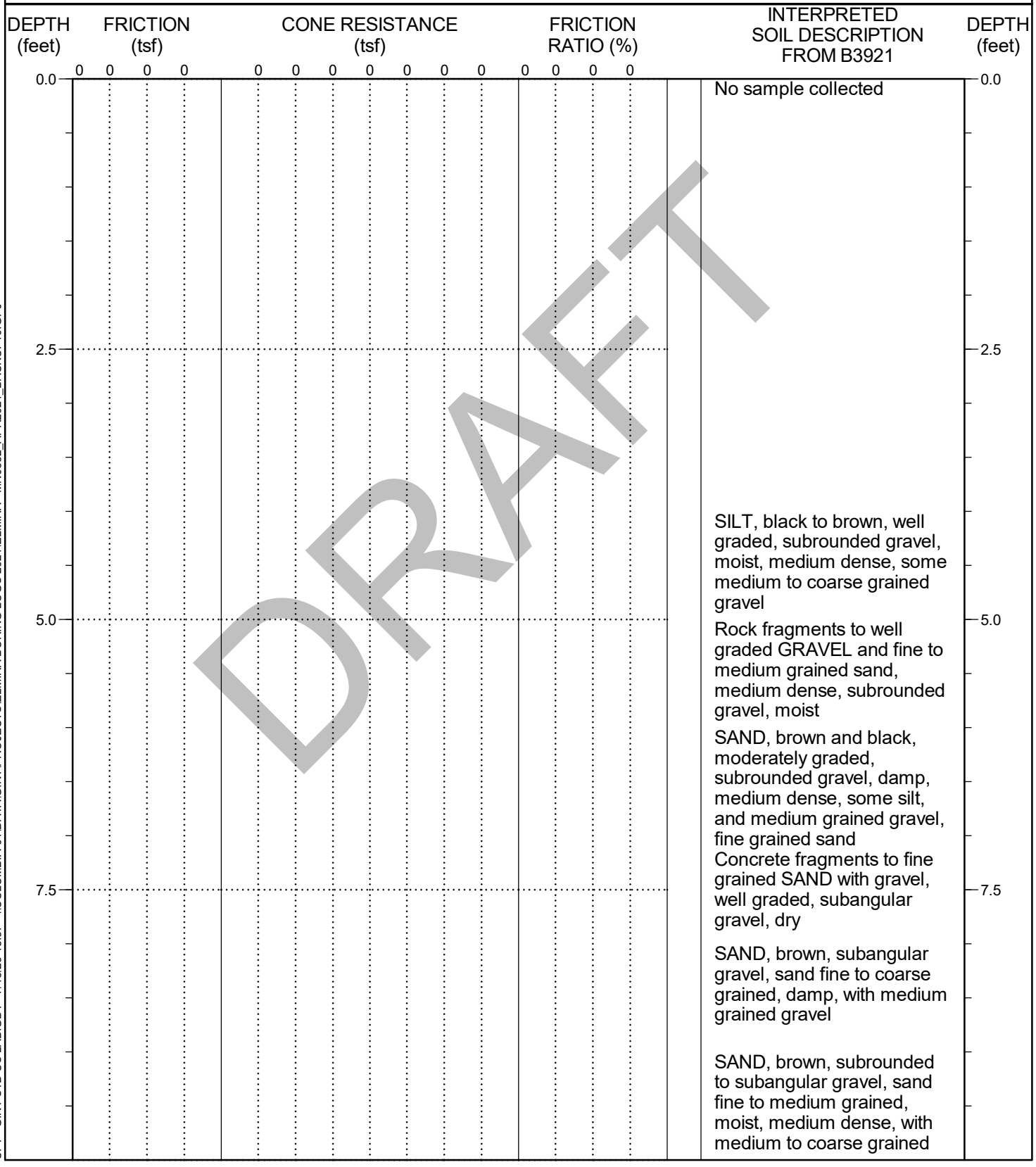
PROJECT LOCATION Elimra, New York

DATE STARTED 5/17/21 **COMPLETED** 5/17/21

GROUND ELEVATION _____ **Probe ID** _____

DRILLING CONTRACTOR Cascade Technical Services, LLC

NOTES MS/MSD-22 at 10-12' (P, V, S, M, EC); DUP-42 at 12-14' (P, V, S, M, EC)



INTERPRETED SOIL DESCRIPTION FROM B3921

DEPTH (feet)

0.0 — No sample collected

2.5 — SILT, black to brown, well graded, subrounded gravel, moist, medium dense, some medium to coarse grained gravel

5.0 — Rock fragments to well graded GRAVEL and fine to medium grained sand, medium dense, subrounded gravel, moist

SAND, brown and black, moderately graded, subrounded gravel, damp, medium dense, some silt, and medium grained gravel, fine grained sand

Concrete fragments to fine grained SAND with gravel, well graded, subangular gravel, dry

7.5 — SAND, brown, subangular gravel, sand fine to coarse grained, damp, with medium grained gravel

SAND, brown, subrounded to subangular gravel, sand fine to medium grained, moist, medium dense, with medium to coarse grained

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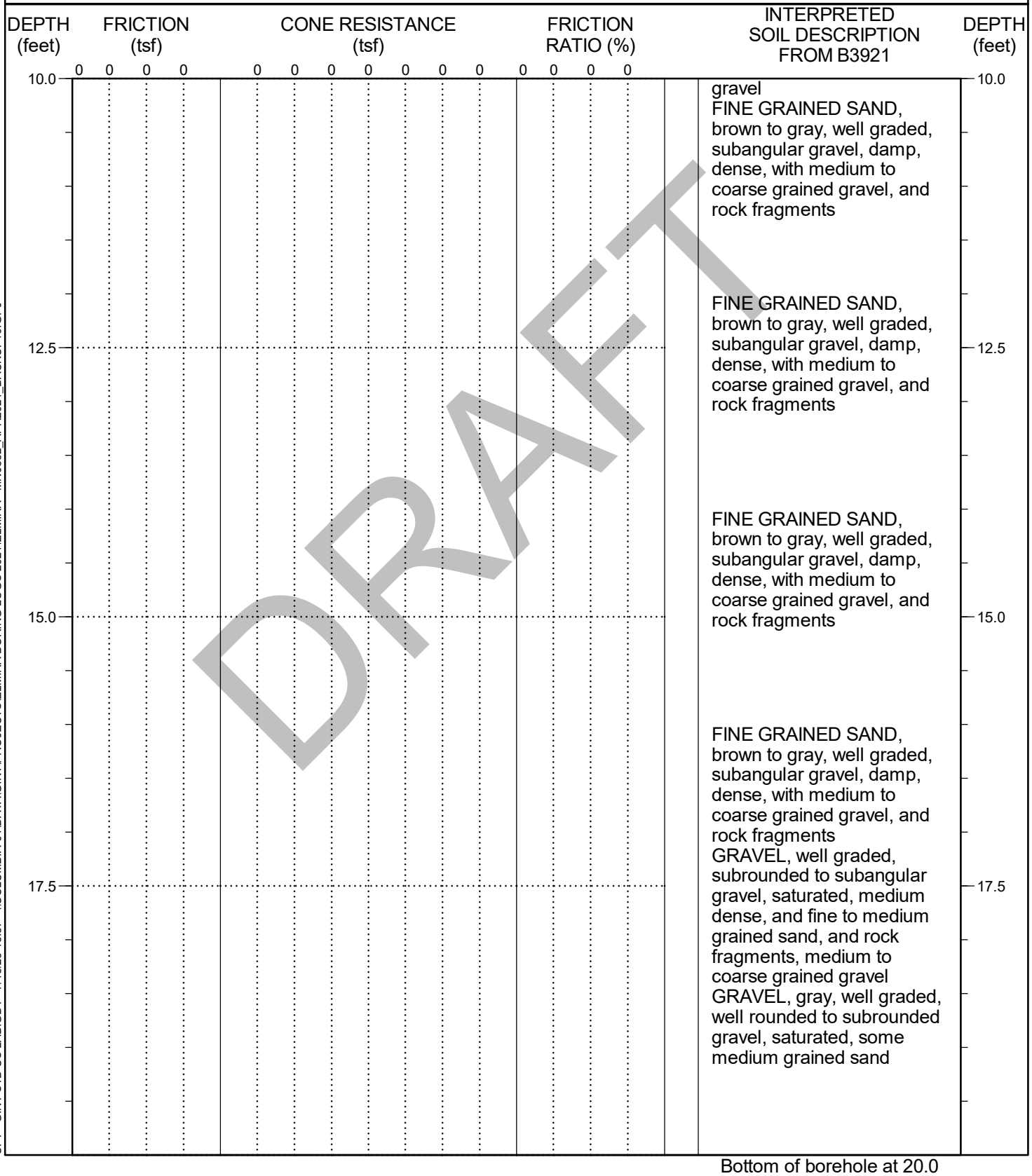
LOGO Geosyntec Consultants

CPT NUMBER B3921

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elimra, New York
DATE STARTED 5/17/21 **COMPLETED** 5/17/21
GROUND ELEVATION _____ **Probe ID** _____
DRILLING CONTRACTOR Cascade Technical Services, LLC
NOTES MS/MSD-22 at 10-12' (P, V, S, M, EC); DUP-42 at 12-14' (P, V, S, M, EC)



INTERPRETED SOIL DESCRIPTION FROM B3921	DEPTH (feet)
gravel FINE GRAINED SAND, brown to gray, well graded, subangular gravel, damp, dense, with medium to coarse grained gravel, and rock fragments	10.0
FINE GRAINED SAND, brown to gray, well graded, subangular gravel, damp, dense, with medium to coarse grained gravel, and rock fragments	12.5
FINE GRAINED SAND, brown to gray, well graded, subangular gravel, damp, dense, with medium to coarse grained gravel, and rock fragments	15.0
FINE GRAINED SAND, brown to gray, well graded, subangular gravel, damp, dense, with medium to coarse grained gravel, and rock fragments GRAVEL, well graded, subrounded to subangular gravel, saturated, medium dense, and fine to medium grained sand, and rock fragments, medium to coarse grained gravel GRAVEL, gray, well graded, well rounded to subrounded gravel, saturated, some medium grained sand	17.5

Bottom of borehole at 20.0 feet.

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BORING B3886

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/21 **COMPLETED** 5/18/21
NORTHING 755691.945 ft **EASTING** 761764.53 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-05 at 0-2' (P); DUP-6 at 22-24' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		71	SSHS-B3886-SUB-0-2		SILTY SAND, brown, well graded, angular gravel, sand fine to coarse grained, damp, loose, with gravel, fill	0.2
2		75	SSHS-B3886-SUB-2-4		SILTY SAND, brown, moderate to well graded, subangular gravel, sand fine to coarse grained, damp, medium dense, trace gravel, fill	0.1
4		71	SSHS-B3886-SUB-4-6		SILTY SAND, brown, moderate to well graded, subangular gravel, sand fine to coarse grained, damp, medium dense, trace gravel, fill	1.1
6		100	SSHS-B3886-SUB-6-8		SILTY SAND, brown and light tan, well graded, subangular to angular gravel, dry, medium dense, trace gravel, fill	0.7
8		100	SSHS-B3886-SUB-8-10		SILTY SAND, brown and light tan, well graded, subangular to angular gravel, dry, medium dense, trace gravel, fill	1
10						

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BORING B3886

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B3886-SUB-10-12		SILTY SAND, brown and light tan, well graded, subangular to angular gravel, dry, medium dense, trace gravel, fill	0.9
12		75	SSHS-B3886-SUB-12-14		SANDY GRAVEL, gray and light brown, well graded, subangular gravel, damp, loose, trace silt, crushed brick from 13.2-13.5', wet at 14'	0.2
14		71	SSHS-B3886-SUB-14-16		GRAVEL, brown and tan, well graded, subangular to angular gravel, dry, loose, with fine to coarse grained sand GRAVEL, brown, well graded, subrounded gravel, wet, medium dense, with fine to coarse grained sand	0.1
16		100	SSHS-B3886-SUB-16-18		SILTY SAND, brown, well graded, subrounded to subangular gravel, saturated, medium dense, with gravel	0
18		100	SSHS-B3886-SUB-18-20		SILTY SAND, brown, well graded, subrounded to subangular gravel, saturated, medium dense, with gravel SAND, brown, poorly graded, subrounded gravel, sand fine to medium grained, saturated, dense, trace gravel	0
20		75	SSHS-B3886-SUB-20-22		SAND, brown, poorly graded, subrounded gravel, sand fine to medium grained, saturated, dense, trace gravel	0

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BORING B3886

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22					GRAVEL, brown, moderately graded, rounded gravel, wet, loose, with coarse grained sand, trace silt	
		100	SSHS-B3886-SUB-22-24		GRAVEL, brown, moderately graded, rounded gravel, wet, loose, with coarse grained sand, trace silt	0.3
24					SAND, brown, poorly graded, well rounded, fine to coarse grained, wet, loose	
		100	SSHS-B3886-SUB-24-26			0.2
26					SILTY CLAY, brown, wet, soft, plastic	
		100	SSHS-B3886-SUB-26-28		SILTY CLAY, gray, moist, soft, plastic	0
28					SILTY CLAY, gray, moist, soft, plastic	
		100	SSHS-B3886-SUB-28-30			0
30					Bottom of borehole at 30.0 feet.	

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BORING B3898

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/21 **COMPLETED** 5/18/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-14 at 14-16' (P); DUP-20 at 14-16' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3898

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		100	SSHS-B3898-SUB-14-16		SAND, brown and light gray, moderately graded, subrounded, sand fine grained, damp, loose, trace gravel	0.3
16		100	SSHS-B3898-SUB-16-18		SAND, brown and light gray, moderately graded, subrounded, sand fine grained, wet, loose, trace gravel	0.1
18		100	SSHS-B3898-SUB-18-20		GRAVEL, brown, moderately graded, subrounded, saturated, very dense, with coarse grained sand	0.2
20		92	SSHS-B3898-SUB-20-22		GRAVEL, brown	0.4

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BORING B3898

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		88	SSHS-B3898-SUB-22-24		GRAVEL, dark grayish brown, poorly graded, subrounded, wet, loose, trace coarse grained sand, trace silt	0.6
24		100	SSHS-B3898-SUB-24-26		GRAVEL, dark grayish brown, poorly graded, subrounded, wet, loose, trace coarse grained sand, trace silt	0.2
26		67	SSHS-B3898-SUB-26-28		CLAY, brown to gray, wet, medium stiff, trace silt, clean clay, graded to gray and damp	0.4
28		100	SSHS-B3898-SUB-28-30		CLAY, gray, wet, medium stiff, trace silt	
30					Bottom of borehole at 30.0 feet.	

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BORING B3922

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/21 **COMPLETED** 5/18/21
NORTHING 754975.506 ft **EASTING** 761781.565 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY JMW **CHECKED BY** DRAFT
NOTES MS/MSD-25 at 12-14' (P, V, S, M, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
4		75	SSHS-B3022A-SUB-4-6		SILTY FINE GRAINED SAND, brown and blackish brown, moist, dense CLAY, orange to brown, wet, soft, some silt, and fine grained sand, trace gravel	0
6					FINE GRAINED SAND, brown, moist, loose, trace cobbles	
		58	SSHS-B3022A-SUB-6-8		Brown poorly graded SAND with rounded cobbles, moist, loose, black silt lense (~1"), brown sandy clay lense at 6.2', possible fill	0
8		75	SSHS-B3022A-SUB-8-10		SILTY SAND, orange to brown, moist, soft, little silt, some cobbles, some gravel, trace clay, rounded cobbles and gravel, rock fragments (fill)	0
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3922

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		67	SSHS-B3022A-SUB-10-12		FINE GRAINED SAND, brown, damp, loose, trace silt, with cobbles, rock fragments (fill)	0
					FINE GRAINED SAND, brown, wet, medium stiff, some silt, trace clay	
12		71	SSHS-B3022A-SUB-12-14		FINE GRAINED SAND, brown, moist, medium stiff, some silt, trace clay, increasing gravel content (rounded, coarse grained)	0
					FINE GRAINED SAND, dark brown, wet, medium stiff, some silt, trace clay, 2" well graded sand lense at 13.9'	
14		46	SSHS-B3022A-SUB-14-16		FINE GRAINED SAND, dark brown, wet, medium stiff, some silt, trace clay	0
					Transitions to COBBLES (rock fragments)	
16		50	SSHS-B3022A-SUB-16-18		SAND, brown, well graded, saturated, very loose	0
18					Bottom of borehole at 18.0 feet.	

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BORING B3883

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/18/21 **COMPLETED** 5/19/21
NORTHING 754844.855 ft **EASTING** 761866.666 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES MS/MSD at 28-30' (P, V, S, M, EC); DUP-2 at 26-28' (P, V, S, M, EC); DUP-3 at 28-30' (P, V, S, M, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		75	SSHS-B3883-SUB-0.17-2		Fill/gravel Roots, dark brown sandy CLAY and fill, rock fragments, soft, dry, odor (manure)	2.9
2		63	SSHS-B3883-SUB-2-4		Orange-brown to black sandy CLAY, fill, trace coarse rounded grave, layers of loose rock fragments, soft, dry	0.2
4		83	SSHS-B3883-SUB-4-6		Brown poorly graded fine grained SAND with trace silt and some angular fine to coarse grained grave, lenses of rock fragments (fill), loose	0.3
6		83	SSHS-B3883-SUB-6-8		Brown poorly graded fine grained SAND with trace silt and some angular fine to coarse grained grave, lenses of rock fragments (fill), loose	0.5
8		67	SSHS-B3883-SUB-8-10		Brown poorly graded fine grained SAND with trace silt and some angular fine to coarse grained grave, lenses of rock fragments (fill), loose, trace clay near base, possible odor	3.4
10						

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BORING B3883

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B3883-SUB-10-12		Brown poorly graded fine grained SAND with trace silt and some angular fine to coarse grained grave, lenses of rock fragments (fill), loose, trace clay near base, possible odor	0.4
12		75	SSHS-B3883-SUB-12-14		Brown poorly graded fine grained SAND with trace silt and some angular fine to coarse grained grave, lenses of rock fragments (fill), loose, trace clay near base, possible odor	0.1
					Brown, poorly graded SAND, trace fine grained rounded gravel, and clay, loose, moist	
14		67	SSHS-B3883-SUB-14-16		Brown, poorly graded SAND, trace fine grained rounded gravel, and clay, loose, moist	0.3
					Dark brown poorly sorted SAND with subrounded gravel and trace clay and cobbles, firm, wet	
16		50	SSHS-B3883-SUB-16-18		Dark brown poorly sorted SAND with subrounded gravel and trace clay and cobbles, firm, wet, several rock fragment lenses, saturated	0
18		50	SSHS-B3883-SUB-18-20		Dark brown, rounded, coarse grained GRAVEL, with poorly sorted sand, and trace clay, loose, wet	0.3
					Dark brown, rounded, coarse grained GRAVEL, with poorly sorted sand, and trace clay, loose, saturated, clay content increases to some from 19.5' (gravel with clayey sand)	
20		42	SSHS-B3883-SUB-20-22		Brown rounded to subangular coarse grained GRAVEL, some well graded sand and trace clay, loose, saturated, cobbles present, drilling stopped at 22' on 10/May, restarted and sampled on 19/May	0

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BORING B3883

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22					Brown angular COBBLES to well rounded fine to coarse grained gravel with well graded sand	
		50	SSHS-B3883-SUB-22-24		Brown well graded sand with above gravel and trace clay, loose, saturated	0
24					Brown well graded sand with above gravel and trace clay, loose, saturated, gravel lenses	
		67	SSHS-B3883-SUB-24-26			0
26					Brown well graded SAND, some fine grained angular to rounded gravel and trace clay, loose, saturated, clay included toward base	
		58	SSHS-B3883-SUB-26-28			0
28					Gray fat CLAY, stiff, damp to dry	
		58	SSHS-B3883-SUB-28-30			0
30					Gray fat CLAY, stiff, damp to dry	
			SSHS-B3883-SUB-30-32			
32						

Bottom of borehole at 32.0 feet.

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BORING B3903

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/21 **COMPLETED** 5/19/21
NORTHING 755143.615 ft **EASTING** 761851.91 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY JMW **CHECKED BY** DRAFT
NOTES MS/MSD at 31-33' (P, V, S, M, EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3903

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14					SANDY CLAY, brown, poorly graded, rounded gravel, damp, medium stiff, some gravel, trace cobbles, fill	
			SSHS-B3903-SUB-14-16		FINE GRAINED SAND, brown, poorly graded, dry, loose, some cobbles, some rock fragments, coarsens at base, fill	0.2
16					Brown CLAY, some fine to medium grained sand, trace rounded gravel to cobbles, moist, stiff	
			SSHS-B3903-SUB-16-18		Brown, well graded SAND, some rounded gravel, some cobbles, trace clay, dense, damp	0.4
					Brown, subrounded to well rounded GRAVEL, with cobbles, with poorly graded sand, trace silt, saturated	
18					Brown, subrounded to well rounded GRAVEL, with cobbles, with poorly graded sand, trace silt, saturated	
			SSHS-B3903-SUB-18-20		Dark brown, well graded, SAND, with coarse angular to subrounded gravel, loose, saturated, sand coarsens to medium to coarse at base, trace silt	0.3
					Dark brown, well graded SAND, some clay, trace coarse grained gravel, wet, medium stiff	
20					Dark brown, well graded SAND, some clay, trace coarse grained gravel, saturated, medium stiff	
			SSHS-B3903-SUB-20-22			0.3

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BORING B3903

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22			SSHS-B3903-SUB-22-24		Dark brown, angular to rounded coarse grained GRAVEL, with sandy clay, loose, saturated Dark brown, angular to rounded coarse grained GRAVEL, with sandy clay, loose, saturated Brown, well graded, fine to coarse grained sand, with fine grained gravel, loose, saturated Brown, well graded, fine to coarse grained sand, with coarse grained rounded gravel, saturated Brown, well graded, fine to coarse grained sand, with coarse grained rounded gravel, saturated	0
24			SSHS-B3903-SUB-24-26		Brown, well graded, fine to coarse grained sand, with coarse grained rounded gravel, saturated Brown fine grained rounded GRAVEL, with well graded sand, loose, saturated Brown, well graded, fine to coarse grained sand, with coarse grained rounded gravel, saturated Coarse grained, rounded GRAVEL, with well graded sand, some cobbles, loose, saturated,	0.3
			SSHS-B3903-SUB-26-28		Brown well graded fine to medium grained SAND, trace fine grained gravel, trace silt, loose, saturated Brown poorly graded SAND, with coarse grained gravel to cobbles, subangular to rounded gravel, trace silt, very loose, saturated	0.4
			SSHS-B3903-SUB-28-30		Brown well graded fine to medium grained SAND, trace gravel, trace silt, loose, damp Brown well graded SAND, some fine to coarse grained rounded gravel, loose, wet	0.7
			SSHS-B3903-SUB-30-31		Coarse GRAVEL and COBBLES, some well graded fine to coarse grained sand, loose, wet Brown interlayered well graded SAND and GRAVEL, rounded gravel and cobbles, trace clay, loose, saturated, transitions from gravel to clay	0.3
			SSHS-B3903-SUB-31-33		Gray fat CLAY, clean, stiff, damp Gray fat CLAY, clean, stiff, damp	

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BORING B3903

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
			SSHS-B3903-SUB-33-35		Gray fat CLAY, clean, stiff, damp Bottom of borehole at 24.0 feet.	

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BORING B4013

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/21 **COMPLETED** 5/19/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES DUP-206 at 16-18' (P, V, S)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B4013

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		75	SSHS-B4013-SUB-16-18		SANDY GRAVEL, gray, subrounded gravel, sand fine to coarse grained, wet, dense, odor	16.1
18		50	SSHS-B4013-SUB-18-20		SANDY GRAVEL, gray, subrounded gravel, sand fine to coarse grained, wet, dense, odor	8.5
20		50	SSHS-B4013-SUB-20-22		GRAVEL, brown, well graded, subrounded gravel, wet, loose, with cobbles, and coarse grained sand	0.8

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BORING B4013

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		92	SSHS-B4013-SUB-22-24		GRAVEL, brown, well graded, subrounded gravel, wet, loose, with cobbles, and coarse grained sand	0.3
24		71	SSHS-B4013-SUB-24-26		SAND, brown, well graded, subrounded gravel, sand fine to coarse grained, saturated, medium dense, with silt, and gravel	0.9
26		75	SSHS-B4013-SUB-26-28		Dark brown rounded coarse grained GRAVEL with well graded sand and rounded cobbles, loose, trace silt, saturated	0.5
					Dark brown well graded SAND, with trace silt, and rounded gravel, medium dense, saturated	
28					Dark brown well graded SAND, with trace silt, and rounded gravel, medium dense, wet	
		75	SSHS-B4013-SUB-28-30		SANDY CLAY, angular gravel, wet, soft, some gravel	0.4
30		100	SSHS-B4013-SUB-30-32		SAND, brown, poorly graded, sand fine grained, wet, loose, with silt	1
32					SILTY CLAY, brown, moist, soft, medium plasticity	

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BORING B4013

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		100	SSHS-B4013-SUB-32-34			0
34					SILTY CLAY, gray, moist, soft, medium plasticity	
		100	SSHS-B4013-SUB-34-36			0
36					SILTY CLAY, gray, moist, soft, medium plasticity	
		100	SSHS-B4013-SUB-36-38			0
38					SILTY CLAY, gray, moist, soft, medium plasticity	
		100	SSHS-B4013-SUB-38-40			0
40					Bottom of borehole at 40.0 feet.	

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BORING B4009

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/21 **COMPLETED** 5/20/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY JMW **CHECKED BY** DRAFT
NOTES MS/MSD at 26-28'; DUP-200 at 16-18'

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B4009

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14					Dark brown CLAY, trace fine grained sand, soft, damp	
					Brown sandy CLAY, trace angular coarse grained gravel, soft, moist	
			SSHS-B4009-SUB-14-16			0.1
					Brown, rounded, coarse grained GRAVEL, with clay, with sand, medium dense, saturated	
16					Gray to brown well sorted SAND, some subrounded fine to coarse grained gravel, trace clay, medium dense, saturated, odor	
			SSHS-B4009-SUB-16-18		Gray to brown subrounded to rounded coarse grained GRAVEL, some sand, trace clay, loose, saturated, odor, cobbles	30.5
18					Brown subrounded to rounded coarse grained GRAVEL, some sand, trace clay, loose, saturated, odor, cobbles	
			SSHS-B4009-SUB-18-20		Gray poorly sorted SAND, with coarse grained rounded gravel/cobbles, medium dense, saturated, trace clay, odor	16.5
20					Poorly sorted gray rounded GRAVEL, with coarse grained sand interbeds, trace clay, saturated, medium dense, few cobbles	
			SSHS-B4009-SUB-20-22		Brown, poorly sorted rounded GRAVEL, with coarse grained sand interbeds, trace clay, saturated, medium dense, few cobbles, slightly more clay (still trace)	13.6

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BORING B4009

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22			SSHS-B4009-SUB-22-24		Brown, poorly sorted rounded GRAVEL, with coarse grained sand interbeds, trace clay, saturated, medium dense, few cobbles, slightly more clay (still trace)	4.1
24			SSHS-B4009-SUB-24-26		Brown, poorly sorted rounded GRAVEL, with coarse grained sand interbeds, trace clay, saturated, medium dense, few cobbles, slightly more clay (still trace)	5.3
26			SSHS-B4009-SUB-26-28		Brown SILT, trace clay, medium stiff, saturated, some very fine grained sand Dark brown well sorted SAND, some silt, loose, saturated	7
28			SSHS-B4009-SUB-28-30		Brown well graded rounded gravel, some sand, trace silt, saturated Brown poorly graded SAND, some silt, trace rounded coarse grained gravel, medium dense	5.2
30			SSHS-B4009-SUB-30-32		Brown SILTY SAND, sand fine grained and poorly graded, moist, medium dense, clay lense (2") at base	13.3
32					Brown into gray fat CLAY, stiff, moist, clean	

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BORING B4009

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
			SSHS-B4009-SUB-32-34			0.9
34					Gray fat CLAY, stiff, moist, clean	
			SSHS-B4009-SUB-34-36			8.4
36					Gray fat CLAY, stiff, moist, clean	
			SSHS-B4009-SUB-36-38			9.1
38					Gray fat CLAY, stiff, moist, clean	
			SSHS-B4009-SUB-38-40			8.1
40					Bottom of borehole at 40.0 feet.	

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BORING B4010

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/20/21 **COMPLETED** 5/20/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-02 at 20-22' (P, V, S); DUP-201 at 22-24' (P); DUP-202 at 24-26' (P, V, S)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16					SILTY SAND, brown, well graded, subrounded gravel, sand fine to coarse grained, moist, dense, with gravel	
		100	SSHS-B4010-SUB-16-18		SANDY GRAVEL, gray, well graded, subrounded gravel, sand fine to coarse grained, saturated, with silt, odor	15.2
18					SAND, gray, moderately graded, sand medium grained, wet, dense, with silt, odor	
		100	SSHS-B4010-SUB-18-20		GRAVEL, gray, well graded, subangular gravel, dense, with silt, and fine to coarse grained sand, odor	38.1
20					GRAVEL, gray and black, poorly graded, rounded gravel, wet, loose, with medium to coarse grained sand	
		100	SSHS-B4010-SUB-20-22			24.5

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B4010

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22					SAND, gray, moderately graded, subrounded gravel, dense, with gravel, odor	
		96	SSHS-B4010-SUB-22-24		GRAVEL, gray, well graded, subrounded gravel, sand medium to coarse grained, wet, loose, with sand	40
24					GRAVEL, brown, poorly graded, subrounded gravel, wet, medium dense, with medium to coarse grained sand	
		100	SSHS-B4010-SUB-24-26			8.6
26					GRAVEL, brown, poorly graded, subrounded gravel, wet, medium dense, with medium to coarse grained sand, lense of brown medium gravel from 26-26.5', angular to well rounded gravel, coarsening downward	
		75	SSHS-B4010-SUB-26-28			13.9
28					Dark brown poorly graded SAND, trace well rounded gravel and silt, wet, loose, cobbles	
		75	SSHS-B4010-SUB-28-30			6.2
30					Dark brown poorly graded SAND, trace well rounded gravel and silt, wet, loose, cobbles, lensed beds of coarse grained gravel and cobbles subangular to subrounded	
		100	SSHS-B4010-SUB-30-32			6.9
32					Dark brown poorly graded SAND, trace well rounded gravel and silt, wet, loose, cobbles, lensed beds of coarse grained gravel and cobbles subangular to subrounded	
		100	SSHS-B4010-SUB-32-33			8.9

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B4010

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
					Brown fine well graded sand grades to brown fat CLAY, clean, stiff, damp	21.9
34		100	SSHS-B4010-SUB-33-35			13.6
					Brown to gray CLAY, clean, stiff, damp	11.2
36		100	SSHS-B4010-SUB-35-37			11.9
					Gray CLAY, clean, stiff, damp	
38		100	SSHS-B4010-SUB-37-39			18.9
					Gray CLAY, clean, stiff, damp	
40		100	SSHS-B4010-SUB-39-41			

Bottom of borehole at 41.0 feet.

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BORING B4011

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/19/21 **COMPLETED** 5/20/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-03 at 20-22' (P); DUP-203 at 26-28' (P); DUP-204 at 28-30' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B4011

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		58	SSHS-B4011-SUB-16-18		SANDY GRAVEL, brownish gray, well graded, subrounded gravel, sand fine to coarse grained, saturated, dense, with silt, slight odor	8
18		58	SSHS-B4011-SUB-18-20		SANDY GRAVEL, brownish gray, well graded, subrounded gravel, sand fine to coarse grained, saturated, dense, with silt, slight odor	20.2
20		63	SSHS-B4011-SUB-20-22		GRAVEL, gray, well graded, subrounded gravel, sand fine to coarse grained, saturated, medium dense, with silt, and sand, slight odor	6.9

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		75	SSHS-B4011-SUB-22-24		GRAVEL, gray, well graded, subrounded gravel, sand fine to coarse grained, saturated, medium dense, with silt, and sand, slight odor	0.9
24		67	SSHS-B4011-SUB-24-26		GRAVEL, poorly graded, wet, loose, and cobbles, subrouded gravel and cobbles	0.6
26		75	SSHS-B4011-SUB-26-28		SAND, brown, moderately graded, subrounded gravel, sand fine to medium grained, saturated, loose, trace gravel, trace silt	0.2
28		75	SSHS-B4011-SUB-28-30		SAND, brown, moderately graded, subrounded gravel, sand fine to medium grained, saturated, loose, trace gravel, trace silt	0.1
30		92	SSHS-B4011-SUB-30-32		GRAVEL, brown, poorly graded, well rounded, wet, loose	0.1
					SILTY FINE GRAINED SAND, brown, moist, dense	
32					SILTY CLAY, brown, moist, stiff, medium plasticity	

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		92	SSHS-B4011-SUB-32-34			0
34					SILTY CLAY, gray, moist, stiff, medium plasticity	
		100	SSHS-B4011-SUB-34-36			0
36					SILTY CLAY, gray, moist, stiff, medium plasticity	
		100	SSHS-B4011-SUB-36-38			0
38					SILTY CLAY, gray, moist, stiff, medium plasticity	
		71	SSHS-B4011-SUB-38-40			0
40					Bottom of borehole at 40.0 feet.	

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BORING B4012

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 5/21/21 **COMPLETED** 5/21/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES MS/MSD-04 at 30-32' (P); DUP-205 at 32-34' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B4012

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16					Brown fat CLAY, trace sand, most, medium stiff	
		96	SSHS-B4012-SUB-16-18		Well graded angular GRAVEL, some sand, gravel grades coarse to fine grained, wet, gray to brown, fill, medium dense	5.8
18					Gray well graded angular coarse grained GRAVEL, some coarse grained gray sand, wet, trace silt, fill, medium dense	
		100	SSHS-B4012-SUB-18-20			25.6
20					Coarse gray SAND, trace silt, some coarse grained rounded gravel, wet	
		100	SSHS-B4012-SUB-20-22			10.6

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BORING B4012

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22					Brown fat CLAY, some well graded coarse to fine grained angular gravel, wet, medium stiff Very soft brown and gray SILT, trace medium to fine grained sand	
		100	SSHS-B4012-SUB-22-24		Very soft brown and gray SILT, trace medium to fine grained sand, grades into a medium/coarse grained sand with coarse grained gravel and cobbles, loose	1.5
24					Well graded coarse to fine grained semi-angular gray GRAVEL, some fine grained sand, trace silt, loose, damp	
		100	SSHS-B4012-SUB-24-26		Brown coarse grained sand, some coarse grained rounded gravel, trace silt, wet, medium dense	3.9
26					Gray well graded coarse to fine grained semi-angular GRAVEL, some coarse grained san, trace silt, medium dense, moist	
		100	SSHS-B4012-SUB-26-28			6.3
28					Gray well graded coarse to fine grained semi-angular GRAVEL, some coarse grained san, trace silt, medium dense, moist, layer of fine grained brown sand, trace silt, no gravel between 28.75-29'	
		100	SSHS-B4012-SUB-28-30			5.3
30					Gray well graded coarse to fine grained semi-angular GRAVEL, some coarse grained san, trace silt, medium dense, moist	
		100	SSHS-B4012-SUB-30-32			5.8
32					Gray well graded coarse to fine grained semi-angular GRAVEL, some coarse grained san, trace silt, medium dense, moist	
					Brown fine grained SAND, trace, silt, medium dense, most	

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BORING B4012

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		100	SSHS-B4012-SUB-32-34			5.6
34					Gray SILTY CLAY, moist, medium stiff, medium plasticity	
		100	SSHS-B4012-SUB-34-36			0
36					Gray SILTY CLAY, moist, medium stiff, medium plasticity	
		100	SSHS-B4012-SUB-36-38			0.1
38					Gray SILTY CLAY, moist, medium stiff, medium plasticity	
		100	SSHS-B4012-SUB-38-40			0
40					Gray SILTY CLAY, moist, medium stiff, medium plasticity	
		100	SSHS-B4012-SUB-40-42			0
42					Bottom of borehole at 42.0 feet.	

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BORING B3910

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/10/21 **COMPLETED** 6/11/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY AH **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3910

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		63	SSHS-B3910-SUB-14-16		SILTY SAND, well graded, fine to medium grained, dry, some gravel	0.9
16		92	SSHS-B3910-SUB-16-18		SILTY SAND, well graded, fine to medium grained, wet, some coarse grained gravel and cobbles	0.2
18		13	SSHS-B3910-SUB-18-20		SILTY SAND, well graded, fine to medium grained, wet, some coarse grained gravel and cobbles	0.1
20			SSHS-B3910-SUB-20-22		GRAVEL, brown, well graded, wet, loose, and cobbles, some sand, with silt, gravel coarse grained and angular	

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BORING B3910

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22			SSHS-B3910-SUB-22-24		GRAVEL, brown, well graded, wet, loose, and cobbles, some sand, with silt, gravel coarse grained and angular	0.1
24		100	SSHS-B3910-SUB-24-26		GRAVEL, brown, well graded, wet, loose, and cobbles, some sand, with silt, gravel coarse grained and angular	0
26		100	SSHS-B3910-SUB-26-28		GRAVEL, brown, well graded, wet, loose, and cobbles, some sand, with silt, gravel coarse grained and angular	0
28		100	SSHS-B3910-SUB-28-30		CLAY, brown, medium dense, wet to moist CLAY, gray, wet, medium dense	0.2
30					Bottom of borehole at 30.0 feet.	

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BORING B3911

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/11/21 **COMPLETED** 6/11/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3911

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		42	SSHS-B3911-SUB-14-16		SANDY GRAVEL, brown, well graded, subrounded to subangular, fine to coarse grained, damp, loose	0.2
16		67	SSHS-B3911-SUB-16-18		SANDY GRAVEL, brown, well graded, subrounded to subangular, fine to coarse grained, wet, medium dense	0.2
18		83	SSHS-B3911-SUB-18-20		SANDY GRAVEL, brown, well graded, subrounded to subangular, fine to coarse grained, wet, medium dense	0.2
20		67	SSHS-B3911-SUB-20-22		SANDY GRAVEL, brown, well graded, subrounded to subangular, fine to coarse grained, wet, medium dense	0.2

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BORING B3911

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		67	SSHS-B3911-SUB-22-24		SANDY GRAVEL, brown, well graded, subrounded to subangular, fine to coarse grained, wet, medium dense	0.2
24		54	SSHS-B3911-SUB-24-26		SANDY GRAVEL, brown, well graded, subrounded to subangular, fine to coarse grained, wet, medium dense	0.2
26		54	SSHS-B3911-SUB-26-28		SANDY GRAVEL, brown, well graded, subrounded to subangular, fine to coarse grained, wet, medium dense	0.2
28		79	SSHS-B3911-SUB-28-30		CLAY, brown to gray, wet	0.1
30		79	SSHS-B3911-SUB-30-32		CLAY, brown to gray, wet	0.1
32					Bottom of borehole at 32.0 feet.	

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BORING B3913

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/11/21 **COMPLETED** 6/11/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S.W. Lee **CHECKED BY** DRAFT
NOTES MS/MSD-21 at 22-24' (P); DUP-35 at 24-26' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3913

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		67	SSHS-B3913-SUB-14-16		GRAVEL, brown, well graded, wet, and cobbles, with sand, with silt	0.2
16		67	SSHS-B3913-SUB-16-18		GRAVEL, brown, well graded, wet, and cobbles, with sand, with silt	0.2
18		50	SSHS-B3913-SUB-18-20		GRAVEL, brown, well graded, saturated, and cobbles, with sand, with silt	0.2
20		67	SSHS-B3913-SUB-20-22		GRAVEL, brown, well graded, saturated, and cobbles, with sand, with silt	0.1

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BORING B3913

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		100	SSHS-B3913-SUB-22-24		GRAVEL, brown, well graded, saturated, and cobbles, with sand, with silt	0
24		100	SSHS-B3913-SUB-24-26		GRAVEL, brown, well graded, saturated, and cobbles, with sand, with silt	0
26		100	SSHS-B3913-SUB-26-28		CLAY, gray, damp, medium stiff, medium plasticity	0
28		100	SSHS-B3913-SUB-28-30		CLAY, gray, damp, medium stiff, medium plasticity	0
30					Bottom of borehole at 30.0 feet.	

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BORING B3017A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/17/21 **COMPLETED** 6/17/21
NORTHING 755239.306 ft **EASTING** 762015.639 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:35 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3017A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3017A-SUB-10-12		SAND, brown to white, poorly graded, dry, with silt, abundant rock fragments (rip-rap)	0.2
12		58	SSHS-B3017A-SUB-12-14		SILTY SAND, light brown, poorly graded, dry, interlayered with rock fragments, no odor	16.4
14		50	SSHS-B3017A-SUB-14-16		SILTY SAND, light brown, poorly graded, dry, interlayered with rock fragments, no odor	0.2
16		25	SSHS-B3017A-SUB-16-18		GRAVEL, dark brown, poorly graded, damp, with sand, and silt	0
18					Bottom of borehole at 18.0 feet.	

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BORING B3927

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/17/21 **COMPLETED** 6/17/21
NORTHING 755235.61 ft **EASTING** 761996.054 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES DUP-74 at 4-6' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
4		100	SSHS-B3927-SUB-4-6		CLAYEY SAND, brown, rock fragments SAND, brown, dry, with silt, with rock fragments, fill	2.7
6		100	SSHS-B3927-SUB-6-8		SAND, brown, dry, with silt, with rock fragments, fill	9.7
8		50	SSHS-B3927-SUB-8-10		SAND, brown, dry, with silt, with rock fragments, fill	0
10						

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BORING B3927

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		50	SSHS-B3927-SUB-10-12		SILTY SAND, brown, moist, rock fragments, and cobbles, fill	0.2
12		50	SSHS-B3927-SUB-12-14		SILTY SAND, brown, moist, rock fragments, and cobbles, increased gravel content, damp at base, fill	0.5
14		58	SSHS-B3927-SUB-14-16		SILTY SAND, brown, damp, rock fragments, and cobbles, fill GRAVEL, dark brown, wet, and silty sand	0.1
16		50	SSHS-B3927-SUB-16-18		GRAVEL, dark brown, wet, and silty sand	0
18					Bottom of borehole at 18.0 feet.	

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BORING B3929

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 6/17/21 **COMPLETED** 6/17/21
NORTHING 755256.179 ft **EASTING** 761975.756 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES DUP-76 at 4-6' (P)

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5				SAND, with silt, with rock fragments, brown	
5.0		SSHS-B3929-SUB-4-6		SILTY SAND, moist, brown	0
				SILTY SAND, moist, brown	
		SSHS-B3929-SUB-6-8		SILTY SAND, rock fragments, dry, light brown	0
7.5				SILTY SAND, rock fragments, dry, light brown	
		SSHS-B3929-SUB-8-10		CLAYEY SAND, moist, brown, rock fragments at base (4")	0

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BORING B3929

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
10.0		SSHS-B3929-SUB-10-12		CLAYEY SAND, and rock fragments, moist, brown	0.1
12.5		SSHS-B3929-SUB-12-14		SAND, with silt, and rock fragments, dry, brown, sand coarse grained	2.4
				SAND, with silt, and rock fragments, dry, brown, sand coarse grained	
15.0		SSHS-B3929-SUB-14-16		GRAVEL, and sand, with clay, wet, brown, gravel medium grained	0.1
		SSHS-B3929-SUB-16-18		SAND, with clay, trace gravel, dark brown, grades to clayey sand	0.1
17.5				Bottom of borehole at 18.0 feet.	
20.0					

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BORING B3930A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/17/21 **COMPLETED** 6/17/21
NORTHING 754740.87 ft **EASTING** 761668.67 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES DUP-73 at 8-10' (V)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
8		58	SSHS-B3930A-SUB-8-10		SAND, light brown to brown, poorly graded, dry, with silt, with gravel, and rock fragments	0.1
10					Bottom of borehole at 10.0 feet.	

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BORING B3931

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/17/21 **COMPLETED** 6/17/21
NORTHING 754746.788 ft **EASTING** 761679.273 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
4		25	SSHS-B3931-SUB-4-6		SILTY SAND, brown, moist, with rock fragments, clayey sand at base (~1"), fill	0.2
6		75	SSHS-B3931-SUB-6-8		SILTY SAND, brown, moist, with rock fragments, and gravel, grades to poorly graded sand with silt	0.3
8		58	SSHS-B3931-SUB-8-10		SILTY SAND, brown, damp, trace chert, and rock fragments, and gravel	0.1
10						

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BORING B3931

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B3931-SUB-10-12		SILTY SAND, brown, damp, trace chert, and rock fragments, and gravel	0.2
12		50	SSHS-B3931-SUB-12-14		SAND, light brown, poorly graded, dry, with silt, with rock fragments	0
14					Bottom of borehole at 14.0 feet.	

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BORING B3932

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/17/21 **COMPLETED** 6/17/21
NORTHING 754734.755 ft **EASTING** 761661.358 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
4		50	SSHS-B3932-SUB-4-6		SILTY SAND, brown, moist, with gravel	0.8
6		50	SSHS-B3932-SUB-6-8		SILTY SAND, brown, moist, with gravel	0.3
8		50	SSHS-B3932-SUB-8-10		SILTY SAND, brown, moist, with gravel ROCK FRAGMENTS with silty sand	0.1
10						

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BORING B3932

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND	
		75	SSHS-B3932-SUB-10-12		SAND, poorly graded, with silt, with gravel	0
12					SILTY SAND, dark brown, with gravel	
		75	SSHS-B3932-SUB-12-14			0.2
14					Bottom of borehole at 14.0 feet.	

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BORING B3933

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/17/21 **COMPLETED** 6/17/21
NORTHING 754750.869 ft **EASTING** 761665.637 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
4		50	SSHS-B3933-SUB-4-6		SILTY SAND, dark brown, damp, with gravel, and cobbles	0
6					SILTY SAND, dark brown, damp, with gravel, and cobbles	
		58	SSHS-B3933-SUB-6-8		CLAYEY SAND, dark brown, damp, gravel lenses	0
8					CLAYEY SAND, dark brown, moist, gravel lenses	
		58	SSHS-B3933-SUB-8-10			0
10						

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BORING B3933

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B3933-SUB-10-12		SAND, dark brown, poorly graded, moist, with silt	0
12		75	SSHS-B3933-SUB-12-14		CLAYEY SAND, dark brown, with gravel and rock lenses	0
14					Bottom of borehole at 14.0 feet.	

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BORING B3934

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/17/21 **COMPLETED** 6/17/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
4		75	SSHS-B3934-SUB-4-6		SILTY SAND, brown, moist, with gravel, and rock fragments, fill	33.2
6		75	SSHS-B3934-SUB-6-8		SILTY SAND, brown, moist, with gravel, and rock fragments, fill, interlayers of poorly graded silt with sand	17.6
8		50	SSHS-B3934-SUB-8-10		SILTY SAND, brown, moist, with gravel, and rock fragments, fill, interlayers of poorly graded silt with sand	1.6
10						

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BORING B3934

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10					SILTY SAND, brown, moist, with gravel, and rock fragments, fill, interlayers of poorly graded silt with sand	
		100	SSHS-B3934-SUB-10-12		SILTY SAND, brown	8.5
					SAND, brown, with silt, with fine grained gravel	
12					Brown interlayered SAND with silty and silty sand, with rock fragments, with gravel, fill	
		75	SSHS-B3934-SUB-12-14			3.4
14					Bottom of borehole at 14.0 feet.	

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BORING B3935

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/17/21 **COMPLETED** 6/17/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES MS/MSD-41 at 4-6' (V); DUP-72 at 4-6' (V)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
4		83	SSHS-B3935-SUB-4-6		CLAYEY SAND, orange to brown, moist, with rock fragments, with gravel, roots, fill	0.6
6		58	SSHS-B3935-SUB-6-8		SAND, light brown, poorly graded, with silt, with rock fragments, fill	0.2
8		75	SSHS-B3935-SUB-8-10		SAND, light brown, poorly graded, with silt, with rock fragments, fill	0.3
10					Bottom of borehole at 10.0 feet.	

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BORING B3884A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/18/21 **COMPLETED** 6/18/21
NORTHING 755657.269 ft **EASTING** 761909.322 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES MS/MSD-44 at 12-14' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3884A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12		100	SSHS-B3884A-SUB-12-14		SILTY SAND, brown, dry, with rock fragments, lense of rock fragments at 12.5-13' bgs	0
14					Bottom of borehole at 14.0 feet.	

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BORING B3923

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/18/21 **COMPLETED** 6/18/21
NORTHING 755426.753 ft **EASTING** 761881.665 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES MS/MSD-43 at 18-20' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3923

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12		75	SSHS-B3923-SUB-12-14		SAND, light brown to brown, dry, with silt, with rock fragments, lense of rock from 13-13.25'	0
14		75	SSHS-B3923-SUB-14-16		SAND, light brown to brown, dry, with silt, with rock fragments, grades to silty sand	0
					GRAVEL, dark brown, wet, and cobbles	
16		50	SSHS-B3923-SUB-16-18		GRAVEL, dark brown, wet, with cobbles, and sand, some silt	0
18		75	SSHS-B3923-SUB-18-20		Dark brown silty fine-grained SAND, with fine grained gravel, moist to wet	0
					GRAVEL, with cobbles	
20					SILTY SAND, wet	
			SSHS-B3923-SUB-20-22		GRAVEL, with cobbles	0.1

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3923

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
1					SILTY CLAY, brown	
22					Bottom of borehole at 22.0 feet.	

DRAFT

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BORING B3924

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/18/21 **COMPLETED** 6/18/21
NORTHING 755449.883 ft **EASTING** 761885.507 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES DUP-77 at 18-20' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3924

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12		75	SSHS-B3924-SUB-12-14		SILTY SAND, brown to light brown, well graded, dry SILTY SAND, dark brown, moist, and rock fragments	0
14		50	SSHS-B3924-SUB-14-16		GRAVEL, dark brown, wet, and silty sand, grades to sand with silt at base	0
16		50	SSHS-B3924-SUB-16-18		SAND, dark brown, wet, with silt SANDY SILT, brown, wet, lense of sand with silt present	0
18		83	SSHS-B3924-SUB-18-20		SILTY SAND, brown, with gravel, and cobbles	0
20		100	SSHS-B3924-SUB-20-22		SILTY SAND, brown, with gravel, and cobbles, gravel content increases	0

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3924

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
1						
22					Bottom of borehole at 22.0 feet.	

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3925

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/18/21 **COMPLETED** 6/18/21
NORTHING 755461.201 ft **EASTING** 761911.295 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES DUP-78 at 12-14' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3925

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12		83	SSHS-B3925-SUB-12-14		SILTY SAND, brown, moist, with rock fragments	0
14		100	SSHS-B3925-SUB-14-16		SILTY SAND, brown, dry, with rock fragments SAND, brown, with silt, clayey gravel 15.75-16'	0.1
16		50	SSHS-B3925-SUB-16-18		CLAYEY GRAVEL, brown to gray, wet, rock fragments from 17.33-18'	0
18		100	SSHS-B3925-SUB-18-20		CLAYEY GRAVEL, brown to gray, wet	0
20		100	SSHS-B3925-SUB-20-22		CLAYEY GRAVEL, brown to gray, wet CLAYEY GRAVEL, brown, wet	0

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3925

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
1						
22					Bottom of borehole at 22.0 feet.	

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BORING B3926

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/18/21 **COMPLETED** 6/18/21
NORTHING 755444.698 ft **EASTING** 761937.95 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3926

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12		100	SSHS-B3926-SUB-12-14		SILTY SAND, brown, moist, with gravel, and rock fragments	0
14		50	SSHS-B3926-SUB-14-16		SILTY SAND, brown, moist, with gravel, and rock fragments	0
16		100	SSHS-B3926-SUB-16-18		GRAVEL, brown, wet, and silty sand, poorly graded sand and cobble lenses, clay at base	0
18		63	SSHS-B3926-SUB-18-20		GRAVEL, wet, and silty sand, clay and cobbles from 18.5-20'	0
20		100	SSHS-B3926-SUB-20-22		CLAY, brown, saturated, with cobbles CLAY, gray, moist	0

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3926

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22					Bottom of borehole at 22.0 feet.	

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BORING B3928

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/18/21 **COMPLETED** 6/18/21
NORTHING 755276.602 ft **EASTING** 762032.239 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES MS/MSD-42 at 14-16' (P); DUP-75 at 6-8' (P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
4		58	SSHS-B3928-SUB-4-6		CLAYEY SAND, dark brown, damp, rock fragments, roots	0
					SAND, light brown, poorly graded, dry, with rock fragments, fill	
6		75	SSHS-B3928-SUB-6-8		SAND, brown to light brown, poorly graded, dry, with silt, with rock fragments, and gravel	0
8		75	SSHS-B3928-SUB-8-10		SAND, brown to light brown, poorly graded, dry, with silt, with rock fragments, and gravel	0
10					SAND, brown, poorly graded, dry, with silt, rock fragments	

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BORING B3928

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-B3928-SUB-10-12		SAND, brown, poorly graded, dry, with silt, with rock fragments, interlayered silty sand	0
12		58	SSHS-B3928-SUB-12-14		SAND, brown, poorly graded, dry, with silt, with rock fragments, interlayered silty sand, rock fragments increase near base	0
14		50	SSHS-B3928-SUB-14-16		CLAYEY SAND, brown, poorly graded, moist, gravel at base (2")	0
16		33	SSHS-B3928-SUB-16-18		GRAVEL, dark brown, poorly graded, coarse grained, wet, some sand, with silt	0
18					Bottom of borehole at 18.0 feet.	

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BORING B3526

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 6/22/21 **COMPLETED** 6/22/21
NORTHING 754310.75 ft **EASTING** 762482 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY MJW **CHECKED BY** DRAFT
NOTES MS/MSD-3 at 8-10' (P); DUP-7 at 8-10' (P)

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5		SSHS-B3526-SUB-2-4		SAND, with silt, with gravel, sand fine grained, brown, poorly graded, subrounded gravel, gravel up to 0.5" in diameter, damp 2-2.15', dry 2.15-4'	0
5.0				No sample collected	
7.5		SSHS-B3526-SUB-8-10		Medium dense, SAND, with silt, with gravel, sand fine grained, brown, poorly graded, subrounded gravel up to 0.75" in diameter, dry 8-9.5', damp 9.5-10'	0

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BORING B3526

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B3526-SUB-10-12		Medium dense, SAND, with silt, with gravel, sand fine grained, dry, brown, poorly graded, gravel 0.25-0.5" in diameter	0
10.0				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING B3527

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 6/22/21 **COMPLETED** 6/22/21
NORTHING 754303.63 ft **EASTING** 762464.35 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES MS/MSD-4 at 8-10' (P); DUP-8 at 8-10' (P)

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0				No sample collected	
2.5					
5.0					
7.5		SSHS-B3527-SUB-8-10		SANDY SILT, moist, brown SAND, with silt, little gravel, dry, light brown, poorly graded SILTY SAND, with gravel, moist, brown	0

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BORING B3527

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B3527-SUB-10-12		SAND, with silt, poorly graded	0
10.0				Bottom of borehole at 12.0 feet.	
12.5					
15.0					
17.5					
20.0					

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BORING LOG

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Boring ID B4015
Project No. MN0E32G/12/03
Project Name Former Sperry Remington
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s)
Rig type Geoprobe

Geologist
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 6/30
MS/MSD -20 (P)
Duplicate Dup-40(P)
Dup-41(P)

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (Inches)	Analytes	Depth (ft)
14	5.1	835	light brown, d.y, silty sand w/ gravel, subrounded up to 1/2 in, Fill/riprap H-14.5 medium compacted/ dense	24	12	P	
16	24.2	840	16-17: SAA 17-18: Sandy gravel, loose, wet, dark gray, odor * Dup-40	24	18	SV	
18	28.7	845	gray, Saturated, loose, Sandy gravel, gravel up to 1in, odor	24	18	SV	
20	9.2	850	SAA: Slight odor	24	12		
22	8.7	855	SAA:	24	12		
24							

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BORING LOG

Project No. MN0832G

B4015

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
24	12.8	900	SAA: oil sheen dark gray, strong odor *Dup-41	24	24	P SV	
26	7.6	905	SAA: brown - orange, no oil sheen, slight odor	24	24		
28	1.9	910	SAA: gravel smaller up to 1/4in, rounded well sorted	24	18		
30	1.3	915	sandy gravel up to 1/4in grades into wet poorly graded sand w/ silt and gravel, dark brown, med dense	24	18		
32	3.7	920	wet, Poorly graded sand, w/ silt and gravel up to 1/4, gravel decreases w/ depth is not present 33-36, soft, oil sheen slight odor MS/MSD -20	24	18		
34	2.8	925	SAA	24	18		
36	0.1	930	no odor, dense, clay, brown - orange, wet, some sand present in clay	24	24		
38							

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BORING LOG

Project No. MN0832G

B4015

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
38	0.6	935	38÷39: SM w/ clay, dense, brown-orange 39-40: gray, wet, fat clay, very dense, little sand, slight odor	24	24	P	
40	0.9	940	gray, slight odor, wet, fat clay, very stiff	24	24		
42				24			

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BORING LOG

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Boring ID B4016
Project No. MN0832G/12/03
Project Name Former Sperry Remington
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s)
Rig type Geoprobe

Geologist
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date ~~6/3~~ 6/30/2021
MS/MSD - 21 (P, M, S, V, GC)
Duplicate Dup - 42 (P, M, S, V, GC)
Dup - 431 (P, M, S, V, GC)

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
14	2.0	200	light brown to gray, silty sand w/ gravel up to 1/2 in, gravel subrounded, damp, medium condensed, slight odor	24	18	P, M, S, V, GC	
16	4.8	205	SAA: all gray in color	24	16		
18	5.4	210	grey, saturated, sandy gravel w/ silt, gravel up to 1in, Odor, loose	24	12		
20	9.3	215	SAA	24	12		
22	8.2	220	SAA: brown - dark brown, Slight odor	24	14		
24							

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BORING LOG

Project No. MN0832G

B 4016

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
24	0.2	225	SAA: Slight odor, little sand present	24	14	P, M, S, V, G	
26	0.3	230	SAA: w/ sand, fine sands	24	20		
28	0.1	235	28-29: SAA 29-30: poorly graded sand, w/ gravel up to 1/4in, medium dense, saturated	24	19		
30	0.4	240	SAA: gravel abundance increases Dup-42	24	24		
32	0.6	245	SAA! Dup-43	24	24		
34	0.1	250	poorly graded sand w/ gravel up to 1in, med dense wet, brown, gravel subrounded, gravel decreases w/ depth	24	24		
36	0.1	255	36-37: SAA 37-38: poorly graded sand w/ clay, wet, stiff, brown MS/MSD-21	24	24		
38							

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BORING LOG

Project No. MN0832G

B4016

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
38	0.7	300	gray, wet, very stiff, fat clay plastic, slight odor	24	24	PM, SVOC	
40	0.9	305	SAA	24	24	↓	
42							

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LOGO

Geosyntec Consultants

CPT NUMBER B3920

CLIENT Unisys Corporation

PROJECT NAME Former Sperry Remington

PROJECT NUMBER MN0832G

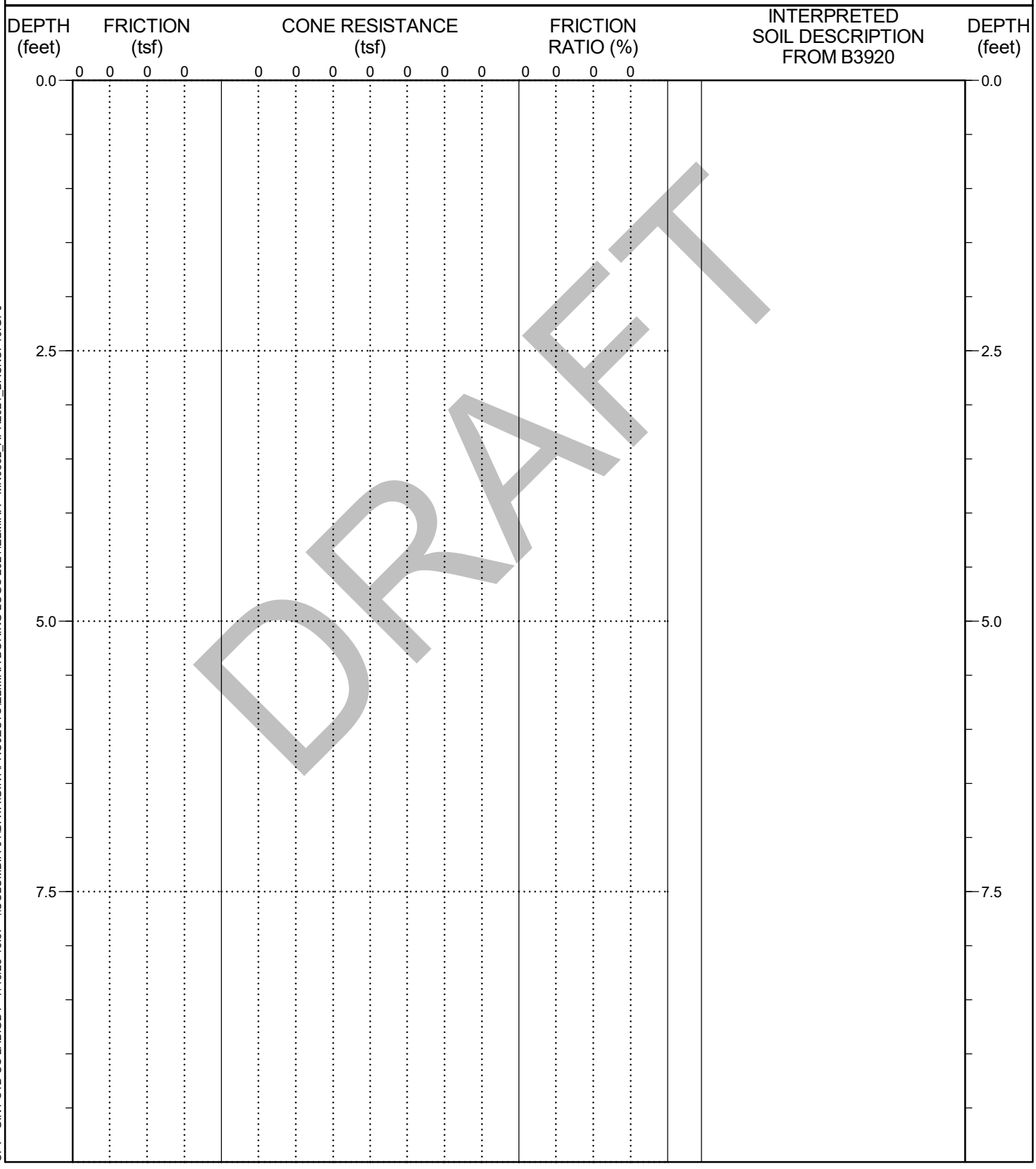
PROJECT LOCATION Elimra, New York

DATE STARTED 7/1/21 **COMPLETED** 7/1/21

GROUND ELEVATION _____ **Probe ID** _____

DRILLING CONTRACTOR Cascade

NOTES DUP 20-22" / MS/MSD 26-28"



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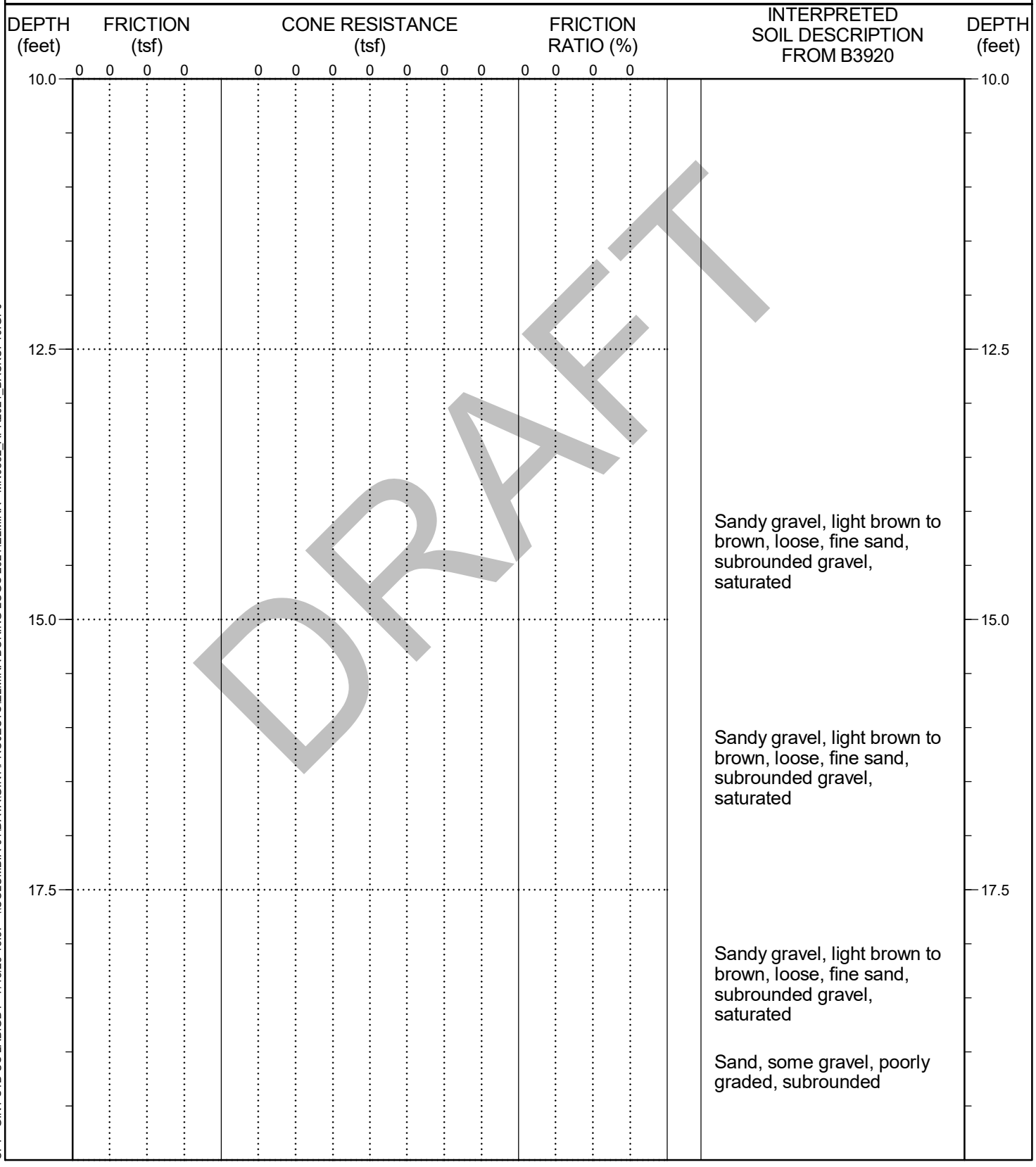
CPT - GINT STD US LAB.GDT - 7/18/23 15:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP10.GPJ

LOGO Geosyntec Consultants

CPT NUMBER B3920

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elimra, New York
DATE STARTED 7/1/21 **COMPLETED** 7/1/21
GROUND ELEVATION _____ **Probe ID** _____
DRILLING CONTRACTOR Cascade
NOTES DUP 20-22" / MS/MSD 26-28"



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CPT - GINT STD US LAB.GDT - 7/18/23 15:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP10.GPJ

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LOGO

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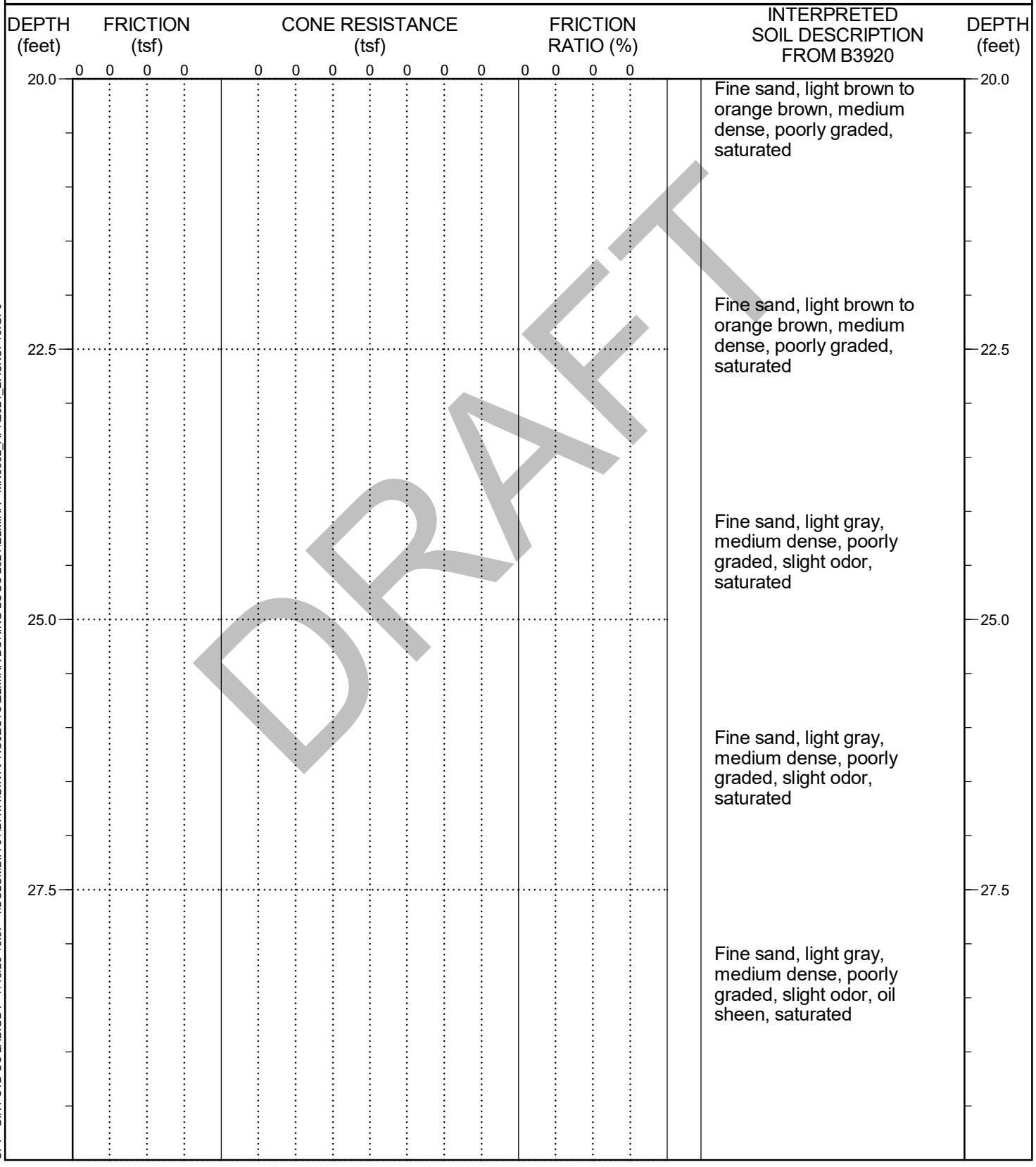
CPT NUMBER B3920

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elimra, New York
DATE STARTED 7/1/21 **COMPLETED** 7/1/21
GROUND ELEVATION _____ **Probe ID** _____
DRILLING CONTRACTOR Cascade
NOTES DUP 20-22" / MS/MSD 26-28"



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CPT - GINT STD US LAB.GDT - 7/18/23 15:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP10.GPJ

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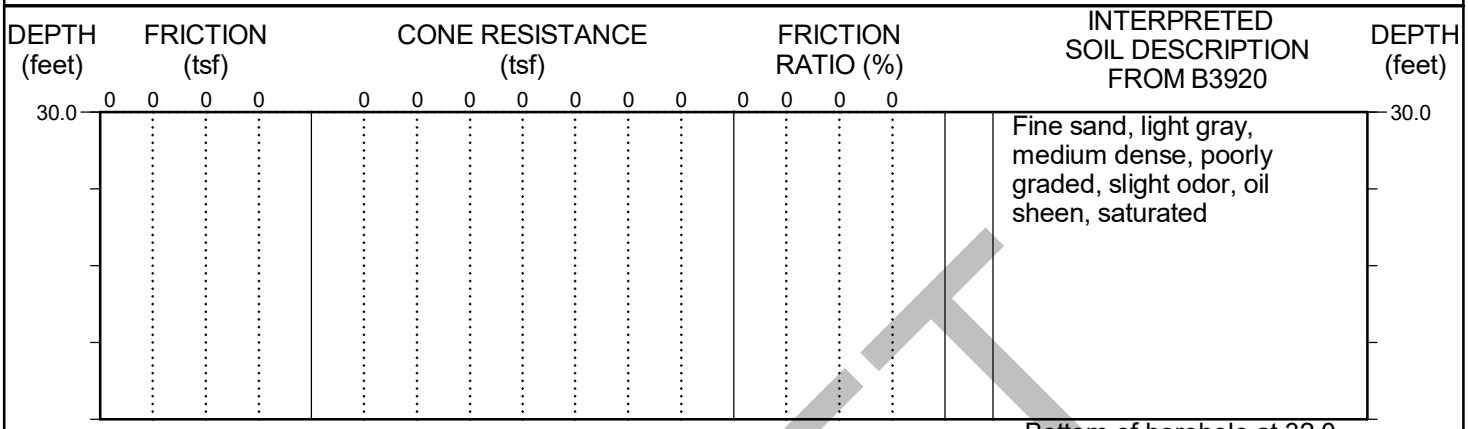
CPT NUMBER B3920

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elimra, New York
DATE STARTED 7/1/21 **COMPLETED** 7/1/21
GROUND ELEVATION _____ **Probe ID** _____
DRILLING CONTRACTOR Cascade
NOTES DUP 20-22" / MS/MSD 26-28"



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CPT - GINT STD US LAB.GDT - 7/18/23 15:37 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP10.GPJ

BORING LOG

Geosyntec consultants

Boring ID B4017
Project No. MN0832G/12/03
Project Name Former Sperry Remington
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) _____
Rig type Geoprobe

Geologist _____
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water _____
Date 7/1/21
MS/MSD ~
Duplicate ~

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
0	1.3	950	dark brown, damp, loose and unconsolidated sandy silt no gravel, fine sands	2	2	S,M	
0.7	0.6	955	light brown-brown, sandy silt, silt increases w/ depth, med dense, damp, small rock fragments sub-angular up to 1/4 in	10	8		
1	1.8	1000	SAA	12	11		
2	3.1	1005	SAA 3-4: brown-orangish	24	15		
4	6.3	1010	light brown-brown, silty sand w/ gravel, gravel subrounded up to 1/2 in, poorly graded fine sands, moist	24	20	SM Hold	
6							

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BORING LOG

Geosyntec consultants

Boring ID B4018
Project No. MN0832G/12/03
Project Name Former Sperry Remington
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s)
Rig type Geoprobe

Geologist
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/1/21
MS/MSD -1 (PMSVEC)
Duplicate Dup-1 (PMSVEC)

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
0	0.7	840	Brown, damp, sandy silt, loose + unconsolidated, some gravel subrounded up to 1/2 in * MS/MSD -1	2	2	PMSVEC	
0.17	4.2	845	light brown-brown, dense, damp, sandy silt no gravel fine sands	10	9		
1	3.9	850	SAA: brown w/ fill 1.4-1.8	12	11		
2	2.9	855	SAA * Dup-1	24	16		
4		900	light brown-orange brown, silty sand w/ gravel gravel up to 1in subrounded, soft, damp	24	17	PMSVEC Hold	
6							

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BORING LOG

Geosyntec consultants

Boring ID: B4019
Project No.: MN0832G/12/03
Project Name: Former Sperry Remington
Location: Elmira, NY
Drilling Co.: Cascade
Driller/helper(s):
Rig type: Geoprobe

Geologist:
Drilling Method: Direct Push
Borehole Dia.: 1.5"
Depth to Water:
Date: 7/1/21
MS/MSD: ~
Duplicate: ~

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
0	0.5	915	brown- dark brown, damp, sand silt, loose and unconsolidated	2	2	SM V	
0.17	0.1	920	dark brown, sandy silt w/ gravel up to 1/2 in, damp, subrounded gravel, loose - soft	10	8	SM V	
1	0.1	925	1-1.5: SAA 1.5-2: very soft, light brown fill w/ gravel up to 1in, dry	12	10	SM V	
2	4.4	930	brown to black, sandy silt w/ gravel up to 1/2in, subrounded gravel, medium dense, damp, interbedded organic material	24	17	SM V	
4	2.6	935	SAA	24	20	SM V Hold	
6							

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BORING LOG

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Boring ID	B4020	Geologist	MS
Project No.	MN0832G/12/03	Drilling Method	Direct Push
Project Name	Former Sperry Remington	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/1/21
Driller/helper(s)	/	MS/MSD	
Rig type	Geoprobe	Duplicate	Dup-2

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
0	2.3		L. Brown silt w/ fine sand + organics m. dense. moist.	.17	.17		
0.17			EOB				

BORING LOG

Geosyntec consultants

Boring ID B4021
Project No. MN0832G/12/03
Project Name Former Sperry Remington
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s)
Rig type Geoprobe

Geologist MS
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 4/1/21
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (Inches)	Analytes	Depth (ft)
0	1.7	1400	L. Brown silt w/ organics + fine sand moist m.dense.	17	17		
0.17			E.O.B.		0.17	0.17	

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BORING LOG

Geosyntec consultants

Boring ID BH022
Project No. MN0832G/12/03
Project Name Former Sperry Remington
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s)
Rig type Geoprobe

Geologist MS
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/1/21
MS/MSD /
Duplicate -

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
0.0	0.		L. Brown silt w/ fine sand + organics, moist. M. dense	.17	.17		
0.17	0.3		EOB				

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BORING LOG

Geosyntec consultants

Boring ID B4023
Project No. MN0832G/12/03
Project Name Former Sperry Remington
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s) /
Rig type Geoprobe

Geologist MS
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/1/21
MS/MSD /
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (inches)	Analytes	Depth (ft)
0	3.3		L. Brown Silt and organics + fine sand - moist. M. dense	.17	.17	EQB	
0.17							

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BORING LOG

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Boring ID	B4024	Geologist	MS
Project No.	MN0832G/12/03	Drilling Method	Direct Push
Project Name	Former Sperry Remington	Borehole Dia.	1.5"
Location	Elmira, NY	Depth to Water	
Drilling Co.	Cascade	Date	7/1/21
Driller/helper(s)		MS/MSD	-
Rig type	Geoprobe	Duplicate	-

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
0	2.6		L. Brown silt w/ fine sand + organics. m. dense, moist	.17	.17		
0.17			- EOB -				

BORING LOG

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Boring ID B402S
Project No. MN0832G/12/03
Project Name Former Sperry Remington
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s)
Rig type Geoprobe

Geologist
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/1/21
MS/MSD
Duplicate Dup-3(S)

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (Inches)	Analytes	Depth (ft)
4	0.2	0810	dark brown, wet, sandy silt w/ gravel up to 1/2in, gravel subrounded, med dense, interbedded fill up to 1in in areas * Dup-3(S)	24	12	5	
6							

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BORING LOG

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Boring ID B4026

Project No. MN0832G/12/03

Project Name Former Sperry Remington

Location Elmira, NY

Drilling Co. Cascade

Driller/helper(s) _____

Rig type Geoprobe

Geologist _____

Drilling Method Direct Push

Borehole Dia. 1.5"

Depth to Water _____

Date 7/1/21

MS/MSD -2 (PS)

Duplicate _____

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (Inches)	Analytes	Depth (ft)
4	2.7	805	brown - orangish brown, wet, sandy silt w/ gravel up to 1/4 in, subrounded, med dense *MS/MSD-2	24	17	5	
6							

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BORING LOG

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Boring ID B4027
Project No. MN0832G/12/03
Project Name Former Sperry Remington
Location Elmira, NY
Drilling Co. Cascade
Driller/helper(s)
Rig type Geoprobe

Geologist
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 7/1/21
MS/MSD ~
Duplicate ~

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (inches)	Recovery (Inches)	Analytes	Depth (ft)
4	1.7	0800	dark brown to black, sandy silt w/ rock fragments up to 1in, subangular, damp, medium dense, light gray fill + loose from 5.9-6	24	17	S	
6							

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BORING B3075A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/19/21 **COMPLETED** 7/19/21
NORTHING 753635.6 ft **EASTING** 762336 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY AH **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:35 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3075A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		79	SSHS-B3075A-SUB-10-12		SILTY SAND, brown and gray, well graded, damp, some gravel, and cobbles, gravel medium round, cobbles angular	0
12					No sample collected	
14		100	SSHS-B3075A-SUB-14-16		SILTY SAND, brown and gray, well graded, damp, some gravel, and cobbles, gravel medium round, cobbles angular	0
16					Bottom of borehole at 16.0 feet.	

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BORING B3096A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/19/21 **COMPLETED** 7/19/21
NORTHING 753549.8 ft **EASTING** 762049.1 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY P. Silverhart **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		100	SSHS-B3096A-SUB-2-4		SILTY SAND, brown, angular gravel, wet, some gravel	0
					SAND, brown to gray, angular gravel, some silt, trace gravel	
4		88	SSHS-B3096A-SUB-4-6		SAND, brown to gray, angular gravel, wet, some silt, trace gravel	0
					SAND, brown to gray, angular gravel, dry, some silt, trace gravel	
6					Bottom of borehole at 6.0 feet.	

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BORING B3343A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/19/21 **COMPLETED** 7/19/21
NORTHING 754928.34 ft **EASTING** 762216.09 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY P. Silverhart **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:35 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3343A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3343A-SUB-10-12		SAND, brown, well graded, sand fine to medium grained, dry, some cobbles, trace clay, cobbles semi-angular, fill	0
12					No sample collected	
14		100	SSHS-B3343A-SUB-14-16		SAND, brown, well graded, sand fine to medium grained, dry, some cobbles, trace clay, cobbles semi-angular, fill	0.1
					SANDY GRAVEL, gray, well graded, medium to coarse grained, wet, strong odor	
16					Bottom of borehole at 16.0 feet.	

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BORING B3602

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/19/21 **COMPLETED** 7/19/21
NORTHING 754903 ft **EASTING** 762183.4 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY P. Silverhart **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3602

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16		92	SSHS-B3602-SUB-16-18		SILTY SAND, brown, well graded, wet, trace cobbles, trace gravel, cobbles angular, gravel rounded	0
18		71	SSHS-B3602-SUB-18-20		SANDY GRAVEL, brown, well graded, wet, few cobbles, cobbles semi-angular	0
20					Bottom of borehole at 20.0 feet.	

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BORING B3663

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/19/21 **COMPLETED** 7/19/21
NORTHING 754998.92 ft **EASTING** 761886.87 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY P. Silverhart **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3663

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		71	SSHS-B3663-SUB-10-12		SANDY CLAY, brown, subangular to rounded gravel, moist, soft, some gravel	0
12		100	SSHS-B3663-SUB-12-14		SANDY CLAY, brown, subangular to rounded gravel, moist, soft, some gravel SILTY SAND, brown, well graded, angular gravel, damp, some gravel	0
14		100	SSHS-B3663-SUB-14-16		SILTY SAND, brown, well graded, angular gravel, damp, some gravel	0
16					Bottom of borehole at 16.0 feet.	

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BORING B3665

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/19/21 **COMPLETED** 7/19/21
NORTHING 754961.68 ft **EASTING** 761870.31 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY P. Silverhart **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3665

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3665-SUB-10-12		SILTY SAND, brown, wet, trace gravel, gravel subangular, black silty sand from 10.8-11' and gravel from 11-11.1'	0
12		88	SSHS-B3665-SUB-12-14		SILTY SAND, dark brown, subangular, wet, with gravel SILTY SAND, light brown, subangular, dry, with gravel	0
14		83	SSHS-B3665-SUB-14-16		SILTY SAND, light brown, subangular, dry, with gravel	0
16					Bottom of borehole at 16.0 feet.	

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3824

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/23/21 **COMPLETED** 7/23/21
NORTHING 753587.1 ft **EASTING** 762608.3 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY AH **CHECKED BY** DRAFT
NOTES DUP-10 @ 4-6' (M); DUP-11 @ 6-8' (M)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B3824-SUB-0-0.17		Topsoil SANDY CLAY, brown to black, well graded, rounded gravel, damp, few gravel, firm	0
		82	SSHS-B3824-SUB-0.17-2			0.2
2		75	SSHS-B3824-SUB-2-4		SANDY CLAY, brown to black, poorly graded, rounded gravel, damp, few gravel, firm	0.1
4		50	SSHS-B3824-SUB-4-6		SANDY CLAY, brown to black, well graded, some cobbles, cobbles large and rounded	0.2
6		63	SSHS-B3824-SUB-6-8		SANDY CLAY, brown to black, well graded, some cobbles, cobbles large and rounded	0
8		67	SSHS-B3824-SUB-8-10		SANDY CLAY, brown to black, well graded, some cobbles, cobbles large and rounded	0.2
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3824

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3824-SUB-10-12		SANDY CLAY, brown to black, well graded, wet, some cobbles, cobbles large and rounded	0.2
12					Bottom of borehole at 12.0 feet.	

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BORING B3840

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/23/21 **COMPLETED** 7/23/21
NORTHING 753601.6 ft **EASTING** 762646.1 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY AH **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
10		100	SSHS-B3840-SUB-10-12		SILTY SAND, brown, well graded, wet, some cobbles, and gravel, cobbles large, cobbles and gravel subangular	0.2
		54	SSHS-B3840-SUB-12-14		SILTY SAND, brown, well graded, wet, some cobbles, and gravel, some clay, cobbles large, cobbles and gravel subangular	0

Bottom of borehole at 14.0 feet.

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BORING B3012A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/21 **COMPLETED** 7/26/21
NORTHING 755514.3 ft **EASTING** 761910.2 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY P. Silverhart **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3012A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14					SAND, brown, subrounded gravel, wet, trace silt, trace gravel	
					SAND, brown, subrounded gravel, dry, trace silt, trace gravel	
		88	SSHS-B3012A-SUB-14-16			0.2
16					SAND, brown, subangular gravel, damp, with gravel, trace silt	
		100	SSHS-B3012A-SUB-16-18			0.1
18					Bottom of borehole at 18.0 feet.	

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BORING B3013A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/21 **COMPLETED** 7/26/21
NORTHING 755476.6 ft **EASTING** 761936.1 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY P. Silverhart **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3013A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		92	SSHS-B3013A-SUB-14-16		SILTY SAND, brown and tan, well graded, subangular gravel, sand fine grained, dry, very dense, with gravel	0
16		67	SSHS-B3013A-SUB-16-18		SANDY GRAVEL, brown, well graded, angular gravel, sand fine to coarse grained, wet, loose	0
18					Bottom of borehole at 18.0 feet.	

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BORING B3925A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/21 **COMPLETED** 7/26/21
NORTHING 755461.201 ft **EASTING** 761911.295 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY P. Silverhart **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
5						
10						
15						
		88	SSHS-B3925A-SUB-16-18		SAND, brown, subangular gravel, wet, some silt, trace gravel	0.2
					SAND, brown, subangular gravel, wet, with gravel, some silt	

Bottom of borehole at 18.0 feet.

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BORING B4034

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 7/26/21 **COMPLETED** 7/26/21
NORTHING 755494 ft **EASTING** 761883.1 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY P. Silverhart **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
5						
10						
		100	SSHS-B4034-SUB-12-14		SAND, well graded, subangular gravel, dry, with gravel, some silt SAND, well graded, subangular gravel, wet, with gravel, some silt	0.1
					SAND, well graded, subangular gravel, dry, with gravel, some silt	
15		100	SSHS-B4034-SUB-14-16		SAND, well graded, subangular gravel, dry, with gravel, some silt	0.1
					SAND, well graded, subangular gravel, wet, with gravel, some silt	
		100	SSHS-B4034-SUB-16-18		GRAVELLY SAND, wet, with silt	0.1

Bottom of borehole at 18.0 feet.

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BORING B4170

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/14/21 **COMPLETED** 9/14/21
NORTHING 754096.872 ft **EASTING** 762047.007 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY AH **CHECKED BY** DRAFT
NOTES MS/MSD-13 @ 8-10' (P,M,S,V,EC); MS/MSD-14 @ 10-12' (P,M,S,V,EC); MS/MSD-15 @ 4-6' (P,M,S,V,EC)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B4170-SUB-0-0.17		CLAY, brown, moist, dense, and organics	
					SANDY CLAY, brown, well graded, dry, dense, with medium grained gravel	
		91	SSHS-B4170-SUB-0.17-2			0
2					SANDY CLAY, brown, well graded, dry, dense, with medium grained gravel	
		100	SSHS-B4170-SUB-2-4			0
4					SANDY CLAY, brown, well graded, dry, dense, with medium grained gravel	
		83	SSHS-B4170-SUB-4-6			0
6					SANDY SILT, gray, well graded, angular gravel, moist, soft, some gravel, faint odor	
		100	SSHS-B4170-SUB-6-8			0
8					SILT, gray, wet, with gravel, some sand, strong odor, dry at bottom	
		100	SSHS-B4170-SUB-8-10			0
10						

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BORING B4170

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B4170-SUB-10-12		SILT, gray black, wet, with gravel, strong odor	0
12		100	SSHS-B4170-SUB-12-14		SILT, black, wet, with gravel, strong odor	0
14			SSHS-B4170-SUB-14-16		SILT, black, saturated, with gravel, odor	
16		79	SSHS-B4170-SUB-16-18		SILT, black, poorly graded, saturated, with gravel, some cobbles, odor, rounded cobbles	0
18		100	SSHS-B4170-SUB-18-20		SILTY SAND, brown, well graded, with cobbles, and gravel, cobbles and gravel large grained and well-rounded	0
20					Bottom of borehole at 20.0 feet.	

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BORING B4168

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/15/21 **COMPLETED** 9/15/21
NORTHING 754297.779 ft **EASTING** 761989.342 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY AH **CHECKED BY** DRAFT
NOTES DUP-23@ 10-12' (P,M,S,V); DUP-24 @ 12-14' (P,M,S,V)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected CONCRETE debris	
		100	SSHS-B4168-SUB-0.17-2		SANDY CLAY, brown gray, well graded, dry, firm	0
2					SANDY CLAY, gray brown, well graded, dry, some cobbles, and gravel, rounded cobbles	
		100	SSHS-B4168-SUB-2-4			0
4					SILTY SAND, brown, well graded, angular gravel, dry, some gravel	
		100	SSHS-B4168-SUB-4-6			0
6					SILTY SAND, brown, well graded, angular gravel, dry, some gravel	
		88	SSHS-B4168-SUB-6-8			0
8					SILTY SAND, brown, well graded, angular gravel, dry, some gravel	
		100	SSHS-B4168-SUB-8-10			0
10						

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BORING B4168

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B4168-SUB-10-12		SILTY SAND, light brown and gray, well graded, subangular, dry, medium dense, with gravel	0
12		83	SSHS-B4168-SUB-12-14		SILTY SAND, light brown and gray, well graded, subangular, dry, medium dense, with gravel	0
14		100	SSHS-B4168-SUB-14-16		SILTY SAND, light brown and gray, well graded, subangular, dry, medium dense, with gravel	0
16					Bottom of borehole at 16.0 feet.	

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BORING B3852

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/16/21 **COMPLETED** 9/16/21
NORTHING 754686.485 ft **EASTING** 761625.82 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY L. Nyblade **CHECKED BY** DRAFT
NOTES DUP-11 @ 2-4' (P.M.S.V); DUP-12 @ 4-6' (P.M.S.V); DUP-13 @ 6-8' (P.M.S.V)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B3852-SUB-0-0.17		CLAY, brown, moist, dense, and organics SILT, brown, angular, moist, loose, with gravel, and organics	0
		100	SSHS-B3852-SUB-0.17-2			0
2					SANDY SILT, brown, loose, some gravel, Bottom transitions to silty clay	
		58	SSHS-B3852-SUB-2-4			0
4					SILT, brown, angular, dry, loose, with gravel	
		58	SSHS-B3852-SUB-4-6			0
6					GRAVEL, brown, wet, loose, with silt	
		58	SSHS-B3852-SUB-6-8			0
8					SAND, brown, sand fine to coarse grained, moist, loose	
		58	SSHS-B3852-SUB-8-10			0
10						

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BORING B3852

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		83	SSHS-B3852-SUB-10-11		SAND, sand coarse grained, wet	0
		83	SSHS-B3852-SUB-11-12		GRAVEL, well graded, medium grained, with silty, clay	0
12		100	SSHS-B3852-SUB-12-14		SILT, brown, dry, loose, with gravel	0
14		71	SSHS-B3852-SUB-14-16		GRAVEL, brown, well graded, wet, loose, with sand, and sand	0
16		100	SSHS-B3852-SUB-16-18		GRAVEL, brown, well graded, wet, loose, with sand, and sand	0
18		100	SSHS-B3852-SUB-18-20		GRAVEL, brown, well graded, medium grained, wet, loose, and silt	0
20		100	SSHS-B3852-SUB-20-22		SAND, brown, well graded, medium grained, wet, loose, with gravel	0

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BORING B3852

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		100	SSHS-B3852-SUB-22-24		SAND, well graded, wet, loose, with gravel	0
24		100	SSHS-B3852-SUB-24-26		GRAVEL, well graded, angular, medium grained, wet, loose, with silt, and sand	0
26		100	SSHS-B3852-SUB-26-28		GRAVEL, well graded, angular, medium grained, wet, loose, with silt, and sand	0
28		100	SSHS-B3852-SUB-28-30		SAND, well graded, angular, medium grained, wet, loose, with gravel	0
30		100	SSHS-B3852-SUB-30-32		SAND, well graded, angular, medium grained, wet, loose, with gravel	0
32					SAND, well graded, angular, medium grained, wet, loose, with gravel	

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BORING B3852

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		100	SSHS-B3852-SUB-32-34			0
34					SAND, well graded, angular, medium grained, wet, loose, with gravel	
		100	SSHS-B3852-SUB-34-36			0
36					SAND, well graded, angular, medium grained, wet, loose, with gravel	
		100	SSHS-B3852-SUB-36-38			0
38					SAND, well graded, angular, medium grained, wet, loose, with gravel	
		100	SSHS-B3852-SUB-38-40			0
40					CLAY, well graded, wet, stiff, with sand	
		100	SSHS-B3852-SUB-40-42			0
42					SAND, brown, well graded, wet, loose, and gravel	
		100	SSHS-B3852-SUB-42-44			0
44					SAND, brown, well graded, wet, loose, and gravel, with clay, some clay at the	

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BORING B3852

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		100	SSHS-B3852-SUB-44-46		bottom	0
46		42	SSHS-B3852-SUB-46-48		CLAY, gray and brown, wet, loose, and cobbles, some silt	0
48		42	SSHS-B3852-SUB-48-50		CLAY, gray and brown, wet, loose, and cobbles, some silt	0
50		100	SSHS-B3852-SUB-50-52		CLAY, gray and brown, wet, loose, and cobbles, some silt	0
52		100	SSHS-B3852-SUB-52-54		CLAY, gray and brown, wet, loose, and cobbles, some silt	0
54		50	SSHS-B3852-SUB-54-56		CLAY, gray and brown, wet, loose, and cobbles, some silt	0

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CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
56					Bottom of borehole at 56.0 feet.	

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BORING B3853

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/16/21 **COMPLETED** 9/16/21
NORTHING 754653.713 ft **EASTING** 761621.638 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES DUP-14 (M) @ 6-8'

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
6		100	SSHS-B3853-SUB-6-8		SILTY SAND, brown, well graded, moist, with gravel, cobbles @ 8' bgs	0
8		100	SSHS-B3853-SUB-8-10		SILTY SAND, brown, well graded, moist, with gravel SAND, brown, well graded, moist, little gravel, few silt	0
10					Bottom of borehole at 10.0 feet.	

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BORING B3646A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/17/21 **COMPLETED** 9/17/21
NORTHING 754776.957 ft **EASTING** 761577.7 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY L. Nyblade **CHECKED BY** DRAFT
NOTES MS/MSD-03@ 14-16ft (P.M.S.V); MS/MSD-04@ 16-18ft (P.M.S.V)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B3646A-SUB-0-0.17		CLAY, brown, moist, dense, and organics SILT, brown, dry, loose, with gravel, some organics, fine-grained gravel	0
		75	SSHS-B3646A-SUB-0.17-2			0
2					SILTY SAND, brown and tan, well graded, dry, medium dense, with gravel	
		96	SSHS-B3646A-SUB-2-4			0
4					SILTY SAND, brown and tan, well graded, dry, medium dense, with gravel	
		100	SSHS-B3646A-SUB-4-6			0
6					SILTY SAND, brown and tan, well graded, dry, medium dense, with gravel	
		100	SSHS-B3646A-SUB-6-8			0
8					SILTY SAND, brown and tan, well graded, moist, medium dense, with gravel	
		100	SSHS-B3646A-SUB-8-10			0
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:36 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3646A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B3646A-SUB-10-12		SILTY SAND, brown and tan, well graded, dry, medium dense, with gravel	0
12		100	SSHS-B3646A-SUB-12-14		SILTY SAND, brown and tan, well graded, dry, medium dense, with gravel	0
14		75	SSHS-B3646A-SUB-14-16		SILTY SAND, brown and tan, well graded, dry, loose, with gravel, medium-grained gravel	0
16		100	SSHS-B3646A-SUB-16-18		SILTY SAND, brown and tan, dry, medium dense, with gravel, transition to large wet gravel	0
18		100	SSHS-B3646A-SUB-18-20		GRAVEL, brown, well graded, wet, loose, with silt, and sand	0
20		100	SSHS-B3646A-SUB-20-22		GRAVEL, brown, well graded, wet, loose, with silt, and sand	0

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BORING B3646A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		100	SSHS-B3646A-SUB-22-24		GRAVEL, brown, well graded, wet, loose, with silt, some sand	0
24		100	SSHS-B3646A-SUB-24-26		GRAVEL, brown, well graded, wet, loose, with silt, some sand	0
26		100	SSHS-B3646A-SUB-26-28		GRAVEL, brown, well graded, wet, loose, with silt, some sand	0
28		100	SSHS-B3646A-SUB-28-30		GRAVEL, brown, well graded, wet, loose, with silt, some sand	0
30		100	SSHS-B3646A-SUB-30-32		GRAVEL, brown, well graded, wet, loose, with silt, some sand	0
32					GRAVEL, brown, well graded, wet, loose, with silt, some sand	

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BORING B3646A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
		100	SSHS-B3646A-SUB-32-34			0
34					GRAVEL, brown, well graded, wet, loose, with silt, some sand	
		100	SSHS-B3646A-SUB-34-35			0
					SILTY SAND, brown, coarse grained, wet, medium dense	
		100	SSHS-B3646A-SUB-35-36			0
36					SILTY SAND, brown, coarse grained, wet, medium dense	
		100	SSHS-B3646A-SUB-36-38			0
38					CLAY, gray brown, moist, medium stiff, medium plasticity	
		100	SSHS-B3646A-SUB-38-40			0
40					Bottom of borehole at 40.0 feet.	

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BORING B4161

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/17/21 **COMPLETED** 9/17/21
NORTHING 754622.768 ft **EASTING** 761660.941 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY **CHECKED BY** DRAFT
NOTES MS/MSD-09 (P,M,S,V) @ 16=18'

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		100	SSHS-B4161-SUB-2-4		SANDY CLAY, brown, moist, stiff, few gravel, few cobbles	0
4		100	SSHS-B4161-SUB-4-6		SANDY CLAY, brown, moist, stiff, few gravel, few cobbles SAND, brown, well graded, moist, some clay, some gravel, some cobbles, broken cobbles at 6'	0
6		100	SSHS-B4161-SUB-6-8		SAND, brown, well graded, moist, some clay, some gravel, some cobbles	0
8		100	SSHS-B4161-SUB-8-10		SAND, brown, well graded, moist, few silt, few clay, few gravel, angular cobbles fragments SAND, brown, well graded, moist, few silt, few clay, few gravel, angular cobbles fragments SILT, brown, moist, stiff, cohesive	0
10						

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BORING B4161

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B4161-SUB-10-12		SILT, brown, moist, stiff, cohesive, cobbles at 12'	0
12		100	SSHS-B4161-SUB-12-14		SILTY SAND, brown, well graded, angular gravel, moist, little gravel, and cobbles	0
14		100	SSHS-B4161-SUB-14-16		SILTY SAND, brown, well graded, angular gravel, moist, little gravel, and cobbles SAND, brown, well graded, angular gravel, moist, few silt, few gravel, few cobble fragments	0
16		92	SSHS-B4161-SUB-16-18		SAND, brown, well graded, angular gravel, moist, few silt, few gravel, few cobble fragments GRAVEL, brown, well graded, wet, few sand, few silt	0
18		100	SSHS-B4161-SUB-18-20		GRAVEL, brown, well graded, wet, few sand, few silt	0
20					Bottom of borehole at 20.0 feet.	

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BORING B4162

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/17/21 **COMPLETED** 9/17/21
NORTHING 754661.866 ft **EASTING** 761694.896 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** DRAFT
NOTES MS/MSD-10 (P,M,S,V) @ 8-10'; DUP-17 (P,M,S,V) @ 12-14'

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		100	SSHS-B4162-SUB-2-4		SANDY SILT, gray, well graded, dry, trace gravel, some organics SANDY SILT, brown, well graded, damp, trace gravel, trace clay	0
4		100	SSHS-B4162-SUB-4-6		SILTY SAND, gray and brown, well graded, rounded gravel, sand medium to coarse grained, dry, with gravel	0
6		100	SSHS-B4162-SUB-6-8		SILTY SAND, gray and tan, well graded, rounded gravel, sand medium to coarse grained, dry, with gravel	0
8		100	SSHS-B4162-SUB-8-10		SILTY SAND, gray and tan, well graded, rounded gravel, sand medium to coarse grained, dry, with gravel	0
10						

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BORING B4162

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B4162-SUB-10-12		SILTY SAND, gray and tan, well graded, rounded gravel, sand medium to coarse grained, dry, with gravel	
					SAND, brown, well graded, moist, few gravel, and silt	0
12		100	SSHS-B4162-SUB-12-14		SILTY SAND, brown, well graded, moist, little gravel	0
14		100	SSHS-B4162-SUB-14-16		SILTY SAND, brown, well graded, moist, little gravel	0
16		100	SSHS-B4162-SUB-16-18		GRAVEL, brown, well graded, wet, loose, with sand, and silt	0
18		100	SSHS-B4162-SUB-18-20		GRAVEL, brown, well graded, wet, loose, with sand, and silt	0
20					Bottom of borehole at 20.0 feet.	

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BORING B3885

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/22/21 **COMPLETED** 9/22/21
NORTHING 754976.748 ft **EASTING** 762091.535 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY L. Nyblade **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2						
4						
6						
8						
10						

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BORING B3885

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14		100	SSHS-B3885-SUB-14-16		SILT, brown, well graded, dry, loose, with gravel, gravel medium grained	0
16		75	SSHS-B3885-SUB-16-18		SILT, brown, well graded, dry, loose, with gravel, gravel medium grained, wet gravel at bottom, well graded	0
18		100	SSHS-B3885-SUB-18-20		SILT, brown, well graded, wet, medium dense, with gravel, gravel fine to medium grained	0
20		100	SSHS-B3885-SUB-20-22		GRAVEL, well graded, wet, medium dense, with silt	0

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BORING B3885

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22		79	SSHS-B3885-SUB-22-24		GRAVEL, well graded, wet, medium dense, with silt	1.8
24		100	SSHS-B3885-SUB-24-25		GRAVEL, well graded, wet, medium dense, with silt, some clay	0
26		75	SSHS-B3885-SUB-25-27		CLAY, gray, wet, medium stiff	0
28		79	SSHS-B3885-SUB-27-29		CLAY, gray, wet, medium stiff, some gravel	0

Bottom of borehole at 29.0 feet.

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BORING B4163

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/22/21 **COMPLETED** 9/22/21
NORTHING 754707.245 ft **EASTING** 761820.702 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Waheed **CHECKED BY** DRAFT
NOTES DUP-18 @ 2-4' (P,M,S,V); DUP-19 @ 4-6' (P,M,S,V)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
2		50	SSHS-B4163-SUB-2-4		GRAVELLY SAND, brown, well graded, dry, medium dense, with silt, no sheen, no odor	0
4		50	SSHS-B4163-SUB-4-6		GRAVELLY SAND, brown, well graded, dry, medium dense, with silt, no sheen, no odor, gravel fine to medium grained	0
6		33	SSHS-B4163-SUB-6-8		GRAVELLY SAND, brown, well graded, dry, medium dense, with silt, no sheen, no odor, gravel fine to medium grained, low recovery	0
8		88	SSHS-B4163-SUB-8-10		SILT, brown, well graded, medium dense, with sand, and gravel, gravel medium grained	0
10						

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BORING B4163

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B4163-SUB-10-12		SILT, brown, well graded, medium dense, with sand, and gravel, gravel medium grained	0
12		75	SSHS-B4163-SUB-12-14		SILT, brown, well graded, dry, medium dense, with sand, and gravel, gravel medium grained	0
14		75	SSHS-B4163-SUB-14-16		SILT, brown, well graded, moist, medium dense, with sand, and gravel, gravel medium grained	0
16		79	SSHS-B4163-SUB-16-18		SILT, brown, well graded, moist, medium dense, with sand, and gravel	0
18		92	SSHS-B4163-SUB-18-20		GRAVEL, well graded, wet, medium dense, with silt	0
20					Bottom of borehole at 20.0 feet.	

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BORING B4164

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/23/21 **COMPLETED** 9/23/21
NORTHING 754675.937 ft **EASTING** 761896.925 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY L. Nyblade **CHECKED BY** DRAFT
NOTES DUP-20 @ 4-6' (P,M,S,V); DUP-21 @8-10' (P,M,S,V)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	SSHS-B4164-SUB-0-2		SILT, brown, well graded, moist, loose, and gravel	0
2		100	SSHS-B4164-SUB-2-4		SILT, brown, well graded, moist, loose, and gravel	0
4		100	SSHS-B4164-SUB-4-6		SILT, brown, well graded, moist, loose, and gravel	0
6		100	SSHS-B4164-SUB-6-8		SILT, brown, well graded, moist, medium dense, and gravel, some sand	0
8		100	SSHS-B4164-SUB-8-10		SILT, brown, well graded, moist, medium dense, and gravel, some sand	0
10						

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BORING B4164

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B4164-SUB-10-12		GRAVEL, brown, well graded, moist, medium dense, with silt, and sand	0
12		100	SSHS-B4164-SUB-12-14		GRAVEL, brown, well graded, moist, medium dense, with silt, and sand	0
14		100	SSHS-B4164-SUB-14-16		GRAVEL, brown, well graded, moist, medium dense, with silt, and sand	0
16		83	SSHS-B4164-SUB-16-18		GRAVEL, brown, well graded, moist, medium dense, with silt, and sand	0
18		100	SSHS-B4164-SUB-18-20		GRAVEL, brown, well graded, moist, medium dense, with silt, and sand	0
20					Bottom of borehole at 20.0 feet.	

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BORING B4165

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 9/23/21 **COMPLETED** 9/23/21
NORTHING 754578.065 ft **EASTING** 761933.764 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY L. Nyblade **CHECKED BY** DRAFT
NOTES DUP-22 @ 16-18' (P,M,V); DUP-39 @ 18-20' (P,M)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
		100	SSHS-B4165-SUB-0.17-2		SILT, brown, well graded, dry, loose, with gravel	0
2		100	SSHS-B4165-SUB-2-4		SILT, brown, well graded, dry, medium dense, with gravel, with clay, black smears	0
4		100	SSHS-B4165-SUB-4-6		SILT, brown, well graded, dry, medium dense, with gravel, with clay, black smears	0
6		100	SSHS-B4165-SUB-6-8		GRAVEL, brown, well graded, moist, medium dense, with silt	0
8		100	SSHS-B4165-SUB-8-10		GRAVEL, brown, well graded, moist, medium dense, with silt	0
10						

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BORING B4165

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-B4165-SUB-10-12		GRAVEL, brown, well graded, moist, medium dense, with silt	0
12		100	SSHS-B4165-SUB-12-14		GRAVEL, brown, well graded, moist, medium dense, with silt	0
14		83	SSHS-B4165-SUB-14-16		GRAVEL, brown, well graded, wet, medium dense, with silt	0
16		100	SSHS-B4165-SUB-16-18		GRAVEL, well graded, wet, medium dense, with silt	0
18		100	SSHS-B4165-SUB-18-20		GRAVEL, well graded, wet, medium dense, with silt	0
20					Bottom of borehole at 20.0 feet.	

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BORING B4262

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 10/15/21 **COMPLETED** 10/25/21
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY SD **CHECKED BY** DRAFT
NOTES MS/MSD-01 @ 22-24' (V)

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
				No sample collected	
20		SSHS-B4262-SUB-20-22		Unconsolidated, SAND, with gravel, saturated, light brown brown, poorly graded, gravel up to 1", loose	0
		SSHS-B4262-SUB-22-24		Very stiff, CLAY, moist, dark gray, slight odor	0.4
25		SSHS-B4262-SUB-24-26		Very stiff, CLAY, moist, dark gray, slight odor	0.2

Bottom of borehole at 26.0 feet.

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AWAHEED BH / TP / WELL - DEFAULT.GDT - 2/8/22 17:28 - Z:\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021.GPJ

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BORING B3454A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/25/21 **COMPLETED** 10/25/21
NORTHING 755372 ft **EASTING** 761934 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY SD **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
25		100	SSHS-B3454A-SUB-24-26		CLAY, gray, moist, dense, very stiff, no odor	0
		67	SSHS-B3454A-SUB-26-28		CLAY, gray, moist, dense, very stiff, slight odor	0.6

Bottom of borehole at 28.0 feet.

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:35 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING B3920A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/25/21 **COMPLETED** 10/25/21
NORTHING 755346 ft **EASTING** 761993 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY SD **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
20		83	SSHS-B3920A-SUB-20-22		SAND, brown, poorly graded, sand fine grained, saturated, unconsolidated, with fine to medium gravel, loose, gravel up to 1", no odor, interbedded gravel	0
		83	SSHS-B3920A-SUB-22-24		SAND, brown, poorly graded, sand fine grained, moist, unconsolidated, with fine to medium gravel, loose, gravel up to 1", no odor, interbedded gravel, sparse gravel	0

Bottom of borehole at 24.0 feet.

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BORING B4260

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/25/21 **COMPLETED** 10/25/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY SD **CHECKED BY** DRAFT
NOTES DUP-01 @ 22-24' (V)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
20		67	SSHS-B4260-SUB-20-22		SAND, brown, poorly graded, fine grained, wet, loose, gravel, sparse gravel up to 1/4"	0
		100	SSHS-B4260-SUB-22-24		SAND, brown, poorly graded, fine grained, wet, loose, gravel, sparse gravel up to 1/4"	0.1
25		92	SSHS-B4260-SUB-24-26		SAND, brown, poorly graded, fine grained, wet, loose, gravel, sparse gravel up to 1/4"	0
		100	SSHS-B4260-SUB-26-28		CLAY, gray, wet, dense, very stiff CLAY, grayish brown, moist, dense, very stiff, slight odor	0
		100	SSHS-B4260-SUB-28-30		CLAY, grayish brown, moist, dense, very stiff, slight odor	0
30					Bottom of borehole at 30.0 feet.	

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BORING B4261

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/25/21 **COMPLETED** 10/26/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY SD **CHECKED BY** DRAFT
NOTES Dup-02 @ 26-28' (V)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
20		58	SSHS-B4261-SUB-20-22			0
		100	SSHS-B4261-SUB-22-24		SANDY GRAVEL, dark brown grayish, wet, unconsolidated, gravel up to 1", slight odor	0
					Fill	
25		83	SSHS-B4261-SUB-24-26		SANDY GRAVEL, dark brown grayish, saturated, unconsolidated, gravel up to 1", slight odor	0
					CLAY, gray, moist, dense, very stiff	
		100	SSHS-B4261-SUB-26-28		CLAY, gray, moist, dense, very stiff	0
		100	SSHS-B4261-SUB-28-30		CLAY, gray, moist, dense, very stiff	0
30					Bottom of borehole at 30.0 feet.	

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BORING B4265

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 10/26/21 **COMPLETED** 10/26/21
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY SD **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
20		75	SSHS-B4265-SUB-20-22		FINE GRAINED SAND, dark brown brown, poorly graded, subrounded, saturated, loose, with gravel, gravel up to 1"	0
		100	SSHS-B4265-SUB-22-24		FINE GRAINED SAND, dark brown brown, poorly graded, subrounded, saturated, loose, with gravel, gravel up to 1", little to sparse gravel	0.2
25		100	SSHS-B4265-SUB-24-26		FINE GRAINED SAND, dark brown brown, poorly graded, subrounded, saturated, loose, with gravel, gravel up to 1", little to sparse gravel	0
		100	SSHS-B4265-SUB-26-28		FINE GRAINED SAND, dark brown brown, poorly graded, subrounded, saturated, loose, with gravel, gravel up to 1", little to sparse gravel	0.1
		100	SSHS-B4265-SUB-28-30		CLAY, gray to brown, moist, dense, stiff, wet, slight odor	0.2
30		100	SSHS-B4265-SUB-30-32		CLAY, gray, saturated, soft, very stiff, moist	0

Bottom of borehole at 32.0 feet.

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BORING B4263

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 11/1/21 **COMPLETED** 11/1/21
NORTHING 755394.6 ft **EASTING** 761857.2 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY SD **CHECKED BY** DRAFT
NOTES DUP-03 @ 22-24' (V)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No sample collected	
20		100	SSHS-B4263-SUB-20-22		Fill SILTY SAND, brown, saturated, loose SILTY GRAVEL, saturated, some sand, gravel up to 1"	0
		100	SSHS-B4263-SUB-22-24		SILTY GRAVEL, saturated, some sand, gravel up to 1" CLAY, gray, moist, dense, stiff	0
25		100	SSHS-B4263-SUB-24-26		CLAY, gray, moist, dense, stiff	0
		100	SSHS-B4263-SUB-26-28		CLAY, gray, moist, dense, stiff	0

Bottom of borehole at 28.0 feet.

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BORING B4264

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 11/1/2021 **COMPLETED** 11/1/2021
NORTHING Unknown **EASTING** Unknown
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION --- **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY AH **CHECKED BY** DRAFT
NOTES MS/MSD-02 @ 26-28 (V), DUP-04 @ 6-8' (V)

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
0.0		SSHS-B4264-SUB-0.17-2		Dense, SILTY SAND, some gravel, brown, organic odor	0
				Dense, SILTY SAND, some gravel, dark brown black, organic odor, gravel increases	
				Dense, SILTY SAND, some gravel, dark brown black, organic odor	
2.5				Fill	
		SSHS-B4264-SUB-2-4		Medium soft, SILTY SAND, brown, gravel decreases	0
				Medium soft, SILTY SAND, brown	
5.0		SSHS-B4264-SUB-4-6		Fill	0
				Dense, SANDY GRAVEL, dry, light brown, gravel up to 1/2"	
				Dense, SANDY GRAVEL, dry, light brown, gravel up to 1/2", fill increases with depth	
		SSHS-B4264-SUB-6-8			0
7.5				Dense, SANDY SILT, with gravel, dry, light brown, some loose areas	
		SSHS-B4264-SUB-8-10		Fill	0
				SANDY SILT, moist, brown, gravel up to 1"	

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BORING B4264

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		SSHS-B4264-SUB-10-12		SANDY SILT, moist, brown, gravel up to 1"	0
12.5		SSHS-B4264-SUB-12-14		Loose, SANDY GRAVEL, gravel, fine sand, wet, brown, subrounded, saturated (14')	0
15.0		SSHS-B4264-SUB-14-16		Loose, SANDY GRAVEL, gravel, fine sand, saturated, brown, subrounded	0
		SSHS-B4264-SUB-16-18		Loose, SANDY GRAVEL, gravel, fine sand, saturated, brown, subrounded	0
17.5		SSHS-B4264-SUB-18-20		Loose, SANDY GRAVEL, gravel, fine sand, saturated, brown, subrounded	0
20.0		SSHS-B4264-SUB-20-22		Loose, SANDY GRAVEL, gravel, fine sand, saturated, brown, subrounded	
				Medium dense, FINE GRAINED SAND, with gravel, wet, poorly graded, little gravel	0

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BORING B4264

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	RUN RECOVERY	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
22.5		SSHS-B4264-SUB-22-24		Medium dense, FINE GRAINED SAND, with gravel, wet, poorly graded, little gravel *(continued)*	0
				Medium dense, FINE GRAINED SAND, with gravel, wet, poorly graded, little gravel	
				Dense, CLAY, moist, gray, stiff	
25.0		SSHS-B4264-SUB-24-26		Dense, CLAY, moist, gray, stiff	0
				Dense, CLAY, moist, gray, stiff	
27.5		SSHS-B4264-SUB-26-28			0
				Bottom of borehole at 28.0 feet.	
30.0					
32.5					

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BORING B196B

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 12/16/21 **COMPLETED** 12/16/21
NORTHING 754569.906 ft **EASTING** 762332.82 ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Perdziola **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Sample Collected	
6		100	SSHS-B146B-SUB-6-8		SANDY SILT, tannish brown, well graded, fine to coarse grained, damp, dense, with gravel	0.4
8		36	SSHS-B146B-SUB-8-10		SAND, brown, well graded, subrounded gravel, fine grained, wet, dense, with gravel	0
10					Bottom of borehole at 10.0 feet.	

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BORING DW-7_8

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/4/22 **COMPLETED** 6/4/22
NORTHING 754955.917 ft **EASTING** 761641.595 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES DUP-03 @ 10-12 (V,S,M,P); MS/MSD-02 @ 6-8 (V,S,M,P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Sample Collected	
4		75	SSHS_DW-7/8-SUB-4-6		SILTY SAND, brown, some clay, little gravel	0
6		96	SSHS_DW-7/8-SUB-6-8		SILTY SAND, brown, dry, medium dense, some fine gravel	0
8		83	SSHS_DW-7/8-SUB-8-10		SILTY SAND, brown, dry, medium dense, some fine gravel	0
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:39 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING DW-7_8

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		63	SSHS_DW-7/8-SUB-10-12			0
12		63	SSHS_DW-7/8-SUB-12-14		SILTY SAND, brown, dry, medium dense, some fine gravel	0.1
14		67	SSHS_DW-7/8-SUB-14-16		SILTY SAND, brown, dry, medium dense, some fine gravel	0
16					Bottom of borehole at 16.0 feet.	

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BORING DW-10_11

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/4/22 **COMPLETED** 6/4/22
NORTHING 754886.882 ft **EASTING** 761843.95 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Donmoyer **CHECKED BY** S. Perdziola
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Sample Collected	
4		100	SSHS-DW-10/11-SUB-4-6		SAND, light brown, loose, with gravel, Gravel up to 1 in.	0.4
6		63	SSHS-DW-10/11-SUB-6-8		SAND, light brown, loose, with gravel, Gravel up to 1 in.	0.8
8		71	SSHS-DW-10/11-SUB-8-10		SAND, light brown, loose, with gravel, Gravel up to 1 in.	0.4
10						

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BORING DW-10_11

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		63	SSHS-DW-10/11-SUB-10-12		SILTY SAND, brown, subrounded, with gravel	0
12		71	SSHS-DW-10/11-SUB-12-14		SILTY SAND, brown, subrounded, with gravel	0.2
14		75	SSHS-DW-10/11-SUB-14-16		SILTY SAND, brown, subrounded, with gravel	0.2
16					Bottom of borehole at 16.0 feet.	

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BORING DW-13_14

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/4/22 **COMPLETED** 6/4/22
NORTHING 755156.21 ft **EASTING** 761798.858 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES DUP-04 @10-12 (V,S,M,P); MS-MSD-03 @ 6-8 (V,S,M,D)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Sample Collected	
4		100	SSHS-DW-13/14-SUB-4-6		SILTY SAND, brown, medium dense, some gravel	0.1
6		75	SSHS-DW-13/14-SUB-6-8		SILTY SAND, brown, medium dense, some gravel	0.1
8		58	SSHS-DW-13/14-SUB-8-10		SILTY SAND, brown, medium dense, some gravel	0

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BORING DW-13_14

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-DW-13/14-SUB-10-12		SILTY SAND, brown, medium dense, some gravel	0.3
12		67	SSHS-DW-13/14-SUB-12-14		SILTY SAND, brown, medium dense, some gravel	0
14		79	SSHS-DW-13/14-SUB-14-16		SILTY SAND, brown, medium dense, some gravel	0
16					Bottom of borehole at 16.0 feet.	

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BORING DW-15

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/4/22 **COMPLETED** 6/4/22
NORTHING 755240.461 ft **EASTING** 761760.493 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Sample Collected	
4		58	SSHS-DW-15-SUB-4-6		SILTY SAND, dark brown with orange, coarse grained, medium dense, with clay	0
6		54	SSHS-DW-15-SUB-6-8		SILTY SAND, dark brown with orange, coarse grained, medium dense, with clay	0
8		63	SSHS-DW-15-SUB-8-10		SILTY SAND, dark brown with orange, coarse grained, medium dense, with clay	0
10						

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BORING DW-15

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		50	SSHS-DW-15-SUB-10-12		SILTY SAND, dark brown with orange, coarse grained, medium dense, with clay, with gravel	0
12		54	SSHS-DW-15-SUB-12-14		SILTY SAND, dark brown, coarse grained, medium dense, with clay, and coarse gravel	0
14		50	SSHS-DW-15-SUB-14-16		SILTY SAND, dark brown, coarse grained, medium dense, with clay, and coarse gravel	0
16					Bottom of borehole at 16.0 feet.	

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BORING DW-16

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/4/22 **COMPLETED** 6/4/22
NORTHING 755323.284 ft **EASTING** 761719.227 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES DUP-05 @ 6-8 (V,S,M,P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Sample Collected	
4		63	SSHS-DW-16-SUB-4-6		SILTY SAND, red, fine grained, medium dense, with gravel, trace clay	0
6		54	SSHS-DW-16-SUB-6-8		SILTY SAND, medium dense, some gravel, some clay	0.1
8		67	SSHS-DW-16-SUB-8-10		SILTY SAND, medium dense, some gravel, some clay	0
10						

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BORING DW-16

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		54	SSHS-DW-16-SUB-10-12		SILTY SAND, medium dense, some gravel, some clay	0
12		58	SSHS-DW-16-SUB-12-14		SILTY SAND, medium dense, some gravel, some clay	0
14		79	SSHS-DW-16-SUB-14-16		SILTY SAND, medium dense, some gravel, some clay	0
16					Bottom of borehole at 16.0 feet.	

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BORING DW-3A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/20/22 **COMPLETED** 6/20/22
NORTHING 754895.038 ft **EASTING** 761541.631 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES DUP-01 @ 8-10 (V,S)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SANDY CLAY, brown, moist, dense, with construction debris, Fill 2 Feet Above Surface Level	0
2		88	No Sample		SANDY CLAY, brown, moist, dense	0
4		75	SSHS-DW-3A-SUB-4-6		SILTY SAND, brown, moist, loose, with clay	0
6		71	SSHS-DW-3A-SUB-6-8		SILTY SAND, brown, moist, loose, with clay	0
8		75	SSHS-DW-3A-SUB-8-10		SILTY SAND, brown, moist, loose, with clay, some rock fragments	0
10						

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:39 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING DW-3A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-DW-3A-SUB-10-12		SILTY SAND, brown, moist, loose, with clay	0
12		100	SSHS-DW-3A-SUB-12-14		SAND, brown, coarse grained, moist, loose, with fine gravel, trace silt	0
14		100	SSHS-DW-3A-SUB-14-16		SAND, brown, coarse grained, moist, loose, with fine gravel, trace silt	0
16					Bottom of borehole at 16.0 feet.	

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BORING DW-3B

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/20/22 **COMPLETED** 6/20/22
NORTHING 754818.354 ft **EASTING** 761578.127 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES MS/MSD-01 @ 8-10 (V,S)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SANDY CLAY, dark brown with grayish tan, dry, dense, with gravel, and sand	0
2		33	No Sample		SANDY CLAY, dark brown with grayish tan, dry, dense, with gravel, and sand, Poor Recovery	0
4		75	SSHS-DW-3B-SUB-4-6		SILTY SAND, brown, subangular, fine grained, dry, loose, with gravel	0
6		79	SSHS-DW-3B-SUB-6-8		SILTY SAND, brown, subangular, fine grained, dry, loose, with gravel	0
8		100	SSHS-DW-3B-SUB-8-10		SILTY SAND, brown and tan, dry, dense, little fine gravel	0
10						

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BORING DW-3B

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-DW-3B-SUB-10-12		SILTY SAND, brown and tan, dry, dense, little fine gravel	0
12		79	SSHS-DW-3B-SUB-12-14		SILTY SAND, brown and tan, dry, dense, little fine gravel	0
14		100	SSHS-DW-3B-SUB-14-16		SAND, moist, with silt, and cobbles	0
16					Bottom of borehole at 16.0 feet.	

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BORING DW-06

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/20/22 **COMPLETED** 6/20/22
NORTHING 754847.772 ft **EASTING** 761685.005 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES DUP-02 @ 6-8 (V,S)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	No Sample		SILTY CLAY, dark brown, subangular, firm, with gravel, Fill 2 Feet Above Surface Level	0
2		75	No Sample		SILTY CLAY, dark brown, subangular, firm, with gravel	0
4		92	SSHS-DW-06-SUB-4-6		SILTY CLAY, dark brown, subangular, firm, with gravel	0
6		79	SSHS-DW-06-SUB-6-8		SILTY CLAY, dark brown, moist, loose, trace sand, little gravel	0
8		96	SSHS-DW-06-SUB-8-10		SILTY CLAY, dark brown, damp, loose, trace sand, little gravel, and rock fragments	0
10						

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BORING DW-06

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		54	SSHS-DW-06-SUB-10-12		SILTY SAND, brown and gray, dry, with coarse gravel	0
12		79	SSHS-DW-06-SUB-12-14		SILTY SAND, brown and gray, dry, with coarse gravel	0
14		75	SSHS-DW-06-SUB-14-16		SILTY SAND, brown and gray, dry, with coarse gravel, Last 4 in. Wet	0
16					Bottom of borehole at 16.0 feet.	

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BORING DW-7_8

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/4/22 **COMPLETED** 6/4/22
NORTHING 754955.917 ft **EASTING** 761641.595 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES DUP-03 @ 10-12 (V,S,M,P); MS/MSD-02 @ 6-8 (V,S,M,P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Sample Collected	
4		75	SSHS_DW-7/8-SUB-4-6		SILTY SAND, brown, some clay, little gravel	0
6		96	SSHS_DW-7/8-SUB-6-8		SILTY SAND, brown, dry, medium dense, some fine gravel	0
8		83	SSHS_DW-7/8-SUB-8-10		SILTY SAND, brown, dry, medium dense, some fine gravel	0
10						

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BORING DW-7_8

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		63	SSHS_DW-7/8-SUB-10-12			0
12		63	SSHS_DW-7/8-SUB-12-14		SILTY SAND, brown, dry, medium dense, some fine gravel	0.1
14		67	SSHS_DW-7/8-SUB-14-16		SILTY SAND, brown, dry, medium dense, some fine gravel	0
16					Bottom of borehole at 16.0 feet.	

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BORING DW-10_11

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/4/22 **COMPLETED** 6/4/22
NORTHING 754886.882 ft **EASTING** 761843.95 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY S. Donmoyer **CHECKED BY** S. Perdziola
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Sample Collected	
4		100	SSHS-DW-10/11-SUB-4-6		SAND, light brown, loose, with gravel, Gravel up to 1 in.	0.4
6		63	SSHS-DW-10/11-SUB-6-8		SAND, light brown, loose, with gravel, Gravel up to 1 in.	0.8
8		71	SSHS-DW-10/11-SUB-8-10		SAND, light brown, loose, with gravel, Gravel up to 1 in.	0.4
10						

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BORING DW-10_11

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		63	SSHS-DW-10/11-SUB-10-12		SILTY SAND, brown, subrounded, with gravel	0
12		71	SSHS-DW-10/11-SUB-12-14		SILTY SAND, brown, subrounded, with gravel	0.2
14		75	SSHS-DW-10/11-SUB-14-16		SILTY SAND, brown, subrounded, with gravel	0.2
16					Bottom of borehole at 16.0 feet.	

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BORING DW-13_14

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/4/22 **COMPLETED** 6/4/22
NORTHING 755156.21 ft **EASTING** 761798.858 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES DUP-04 @10-12 (V,S,M,P); MS-MSD-03 @ 6-8 (V,S,M,D)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Sample Collected	
4		100	SSHS-DW-13/14-SUB-4-6		SILTY SAND, brown, medium dense, some gravel	0.1
6		75	SSHS-DW-13/14-SUB-6-8		SILTY SAND, brown, medium dense, some gravel	0.1
8		58	SSHS-DW-13/14-SUB-8-10		SILTY SAND, brown, medium dense, some gravel	0

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BORING DW-13_14

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		75	SSHS-DW-13/14-SUB-10-12		SILTY SAND, brown, medium dense, some gravel	0.3
12		67	SSHS-DW-13/14-SUB-12-14		SILTY SAND, brown, medium dense, some gravel	0
14		79	SSHS-DW-13/14-SUB-14-16		SILTY SAND, brown, medium dense, some gravel	0
16					Bottom of borehole at 16.0 feet.	

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BORING DW-15

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/4/22 **COMPLETED** 6/4/22
NORTHING 755240.461 ft **EASTING** 761760.493 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Sample Collected	
4		58	SSHS-DW-15-SUB-4-6		SILTY SAND, dark brown with orange, coarse grained, medium dense, with clay	0
6		54	SSHS-DW-15-SUB-6-8		SILTY SAND, dark brown with orange, coarse grained, medium dense, with clay	0
8		63	SSHS-DW-15-SUB-8-10		SILTY SAND, dark brown with orange, coarse grained, medium dense, with clay	0
10						

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BORING DW-15

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		50	SSHS-DW-15-SUB-10-12		SILTY SAND, dark brown with orange, coarse grained, medium dense, with clay, with gravel	0
12		54	SSHS-DW-15-SUB-12-14		SILTY SAND, dark brown, coarse grained, medium dense, with clay, and coarse gravel	0
14		50	SSHS-DW-15-SUB-14-16		SILTY SAND, dark brown, coarse grained, medium dense, with clay, and coarse gravel	0
16					Bottom of borehole at 16.0 feet.	

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BORING DW-16

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/4/22 **COMPLETED** 6/4/22
NORTHING 755323.284 ft **EASTING** 761719.227 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES DUP-05 @ 6-8 (V,S,M,P)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					No Sample Collected	
4		63	SSHS-DW-16-SUB-4-6		SILTY SAND, red, fine grained, medium dense, with gravel, trace clay	0
6		54	SSHS-DW-16-SUB-6-8		SILTY SAND, medium dense, some gravel, some clay	0.1
8		67	SSHS-DW-16-SUB-8-10		SILTY SAND, medium dense, some gravel, some clay	0
10						

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BORING DW-16

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		54	SSHS-DW-16-SUB-10-12		SILTY SAND, medium dense, some gravel, some clay	0
12		58	SSHS-DW-16-SUB-12-14		SILTY SAND, medium dense, some gravel, some clay	0
14		79	SSHS-DW-16-SUB-14-16		SILTY SAND, medium dense, some gravel, some clay	0
16					Bottom of borehole at 16.0 feet.	

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BORING DW-3A

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/20/22 **COMPLETED** 6/20/22
NORTHING 754895.038 ft **EASTING** 761541.631 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES DUP-01 @ 8-10 (V,S)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		100	No Sample		SANDY CLAY, brown, moist, dense, with construction debris, Fill 2 Feet Above Surface Level	0
2		88	No Sample		SANDY CLAY, brown, moist, dense	0
4		75	SSHS-DW-3A-SUB-4-6		SILTY SAND, brown, moist, loose, with clay	0
6		71	SSHS-DW-3A-SUB-6-8		SILTY SAND, brown, moist, loose, with clay	0
8		75	SSHS-DW-3A-SUB-8-10		SILTY SAND, brown, moist, loose, with clay, some rock fragments	0
10						

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BORING DW-3A

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-DW-3A-SUB-10-12		SILTY SAND, brown, moist, loose, with clay	0
12		100	SSHS-DW-3A-SUB-12-14		SAND, brown, coarse grained, moist, loose, with fine gravel, trace silt	0
14		100	SSHS-DW-3A-SUB-14-16		SAND, brown, coarse grained, moist, loose, with fine gravel, trace silt	0
16					Bottom of borehole at 16.0 feet.	

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BORING DW-3B

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/20/22 **COMPLETED** 6/20/22
NORTHING 754818.354 ft **EASTING** 761578.127 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES MS/MSD-01 @ 8-10 (V,S)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		92	No Sample		SANDY CLAY, dark brown with grayish tan, dry, dense, with gravel, and sand	0
2		33	No Sample		SANDY CLAY, dark brown with grayish tan, dry, dense, with gravel, and sand, Poor Recovery	0
4		75	SSHS-DW-3B-SUB-4-6		SILTY SAND, brown, subangular, fine grained, dry, loose, with gravel	0
6		79	SSHS-DW-3B-SUB-6-8		SILTY SAND, brown, subangular, fine grained, dry, loose, with gravel	0
8		100	SSHS-DW-3B-SUB-8-10		SILTY SAND, brown and tan, dry, dense, little fine gravel	0
10						

DRAFT

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ELMIRA BORING LOG - GINT STD US.GDT - 12/23/24 13:39 - \\COLUMBIA-01\DATA\GINT\PROJECTS\ELMIRA BORING LOGS 2021\ELMIRA - MN0832_APR2021_BACKUP15_WP.GPJ

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BORING DW-3B

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		100	SSHS-DW-3B-SUB-10-12		SILTY SAND, brown and tan, dry, dense, little fine gravel	0
12		79	SSHS-DW-3B-SUB-12-14		SILTY SAND, brown and tan, dry, dense, little fine gravel	0
14		100	SSHS-DW-3B-SUB-14-16		SAND, moist, with silt, and cobbles	0
16					Bottom of borehole at 16.0 feet.	

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BORING DW-06

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 6/20/22 **COMPLETED** 6/20/22
NORTHING 754847.772 ft **EASTING** 761685.005 ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES DUP-02 @ 6-8 (V,S)

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0		83	No Sample		SILTY CLAY, dark brown, subangular, firm, with gravel, Fill 2 Feet Above Surface Level	0
2		75	No Sample		SILTY CLAY, dark brown, subangular, firm, with gravel	0
4		92	SSHS-DW-06-SUB-4-6		SILTY CLAY, dark brown, subangular, firm, with gravel	0
6		79	SSHS-DW-06-SUB-6-8		SILTY CLAY, dark brown, moist, loose, trace sand, little gravel	0
8		96	SSHS-DW-06-SUB-8-10		SILTY CLAY, dark brown, damp, loose, trace sand, little gravel, and rock fragments	0
10						

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BORING DW-06

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		54	SSHS-DW-06-SUB-10-12		SILTY SAND, brown and gray, dry, with coarse gravel	0
12		79	SSHS-DW-06-SUB-12-14		SILTY SAND, brown and gray, dry, with coarse gravel	0
14		75	SSHS-DW-06-SUB-14-16		SILTY SAND, brown and gray, dry, with coarse gravel, Last 4 in. Wet	0
16					Bottom of borehole at 16.0 feet.	

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BORING B5300

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 1/19/23 **COMPLETED** 1/19/23
NORTHING ft **EASTING** ft
DRILLER Cascade Technical Services, LLC
GROUND ELEVATION ft **BORING DIAMETER** 1.5 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY E.Buelow **CHECKED BY** DRAFT
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2						
4						
6						
8						
10						

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BORING B5300

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12						
14						
16						
18						
20						

DRAFT

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BORING B5300

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
22						
24						
26						
28						

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BORING LOG

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Boring ID B5301
Project No. MN0832G/MN0832C
Project Name EHS and STCC RI
Location Elmira, NY
Drilling Co. Parratt Wolff
Driller/helper(s)
Rig type Geoprobe

Geologist AH
Drilling Method Direct Push
Borehole Dia. 1.5"
Depth to Water
Date 1/19/23
MS/MSD
Duplicate

Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
16	0.5	2005	Brown silty sand w/ some small round gravel. Well sorted, dense, moist.	24	18	P, M, V, S	
18	0.4	2010	SAA↑	24	18		
20	0.8	2015	0-11: Brown sandy gravel w/ some silty matrix. Loose, well sorted, wet. 11-16: Brown sandy silt. Wet, well sorted, dense.	24	16		
22	0.2	2020	0-7: Brown sandy gravel. Round, medium. Some silty matrix. Loose, well sorted, wet. 7-16: Brown sandy silt. wet, well sorted, dense.	24	16		
24	0.5	2025	Brown silty, sand. Well sorted, loose, wet.	24	13	↓	
26							

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BORING LOG

Project No. MN0832G

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Depth (ft)	PID (ppm)	Sampling Time	Lithologic Description	Run (Inches)	Recovery (Inches)	Analytes	Depth (ft)
26			SAA ↑			P, M, V, S	
	0.5	2030		24	13		
28			SAA ↑				
	0.9	2035		24	24		
30			Brown soft clay. Damp, plastic.				
	1.0	2040		24	24		
32			E o B				

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BORING B5106

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington - North Portion
PROJECT NUMBER MN0832G
PROJECT LOCATION Elmira, New York
DATE STARTED 1/18/23 **COMPLETED** 2/12/23
NORTHING 753660.4 ft **EASTING** 762576.4 ft
DRILLER Parratt Wolff - Dakota Christianson, Brennan Torrey
GROUND ELEVATION 851.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION ---
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR GPRS
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** E. Gardner
NOTES DUP-43 @ 2-4

DEPTH (ft)	ELEVATION (ft msl)	RUN RECOVERY	REMARKS	MATERIAL DESCRIPTION	PID (ppm)
0.0	851.2				
			SSHS-B5106-SUB-0-2	Silty sand, some fine gravel, brown, loose, well graded, damp	0.6
	850.0				
2.5			SSHS-B5106-SUB-2-4	Silty sand, some fine gravel, few large rock fragments, brown, dense, well graded, subangular, damp	0.7
	847.5				
			SSHS-B5106-SUB-4-6	Sandy clay, some large rock fragments, brown, soft, plastic, subangular, damp	1.5
5.0					
	845.0		SSHS-B5106-SUB-6-8	Sandy clay, some large rock fragments, brown, soft, plastic, subangular, damp	
				Sandy silt, back, loose, dry	0.7
7.5					
			SSHS-B5106-SUB-8-10	Silty sand, few well-rounded gravel, tan/brown, dense, poorly graded, dry	0.8
	842.5				

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BORING B5106

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington - North Portion

PROJECT NUMBER MN0832G **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft msl)	RUN RECOVERY	REMARKS	MATERIAL DESCRIPTION	PID (ppm)
10.0					
	840.0		SSHS-B5106-SUB-10-12	Sandy clay, some large rock, yellow/tan, soft, plastic, subangular, dry	0.6
12.5			SSHS-B5106-SUB-12-14	Sandy clay, some large rock, yellow/tan, soft, plastic, subangular, dry	0.7
	837.5			Gravel, with fine to coarse sand, dark brown and gray, dense, well graded, angular, wet	
15.0			SSHS-B5106-SUB-14-16		0.5
	835.0		SSHS-B5106-SUB-16-18	Gravel, with coarse sand, light brown, very loose, well graded, subrounded, saturated	0.3
17.5				Bottom of borehole at 14.0 feet.	
	832.5				
20.0					
	830.0				

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BORING B5504

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/12/24 **COMPLETED** 8/12/24
NORTHING 753783.981 ft **EASTING** 762679.986 ft
DRILLER Parratt Wolff
GROUND ELEVATION 851.6 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2	849.6					
4	847.6					
6	845.6					
8	843.6					
10						

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BORING B5504

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12	839.6				No recovery.	
14	837.6	50	B5504-ELEV-838-836		Sand, fine to medium, brown, some silt and gravel, loose, saturated.	0.1
					Bottom of borehole at 15.6 feet.	

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BORING B5505

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/12/24 **COMPLETED** 8/12/24
NORTHING 753663.984 ft **EASTING** 762718.027 ft
DRILLER Parratt Wolff
GROUND ELEVATION 849.5 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2	847.5					
4	845.5					
6	843.5					
8	841.5					
10						

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BORING B5505

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12	837.5					
14	835.5					
16	833.5	54	B5505-ELEV-834-832		No recovery. Medium to coarse sand with gravel, brown to yellow-brown, trace cobble, loose, saturated, no odor.	0.8

Bottom of borehole at 17.5 feet.

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BORING B5506

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/12/24 **COMPLETED** 8/12/24
NORTHING 753755.995 ft **EASTING** 762613.972 ft
DRILLER Parratt Wolff
GROUND ELEVATION 852 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Asphalt with conrete.	
		88			Gravelly silt, green-gray and brown, trace clay and asphalt, loose, moist.	
2	850.0					
4	848.0					
6	846.0					
8	844.0					
10						

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BORING B5506

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12	840.0					
14	838.0				No recovery.	
		58	B5506-ELEV-838-836		Fat clay, green-brown, trace silt and gravel, saturated.	0.8
					Gravelly sand, brown, trace silt and cobble, loose, saturated.	
16	836.0				Gravelly sand, brown, trace clay and cobble, loose, saturated.	
		75	B5506-ELEV-836-834			0.5
18	834.0					

Bottom of borehole at 18.0 feet.

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BORING B5507

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753656.972 ft **EASTING** 762674.017 ft
DRILLER Parratt Wolff
GROUND ELEVATION 850 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2	848.0					
4	846.0					
6	844.0					
8	842.0					
10						

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BORING B5507

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10						
12	838.0					
14	836.0					
16	834.0	33	B5507-ELEV-834-832		Medium to coarse gravelly sand, yellow-brown, trace cobble, loose, saturated. Only one out of two jars needed for metals analysis was collected due to poor recovery and significant gravel.	0.2
18	832.0				Bottom of borehole at 18.0 feet.	

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BORING B5526

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753650.997 ft **EASTING** 762578.997 ft
DRILLER Parratt Wolff
GROUND ELEVATION 851.2 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2	849.2					
4	847.2					
6	845.2					
					No recovery.	
8	843.2	75	B5526-ELEV-844-842		Silt, green-brown, some clay and gravel, trace coal fragments, stiff, moist.	1.3
					Coal.	
					Concrete, gray.	
					Silt with coal, black to brown, some gravel, trace clay, stiff, moist.	

Bottom of borehole at 9.2 feet.

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BORING B5527

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832K3
PROJECT LOCATION Elmira, New York
DATE STARTED 8/13/24 **COMPLETED** 8/13/24
NORTHING 753785.997 ft **EASTING** 762556.029 ft
DRILLER Parratt Wolff
GROUND ELEVATION 852.8 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY Syed Gardazi **CHECKED BY** W. Peters
NOTES DUP-05 collected from 7-9 ft. Recovery not recorded for 9-11 ft.

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0						
2	850.8					
4	848.8					
6	846.8	92	B5527-ELEV-848-846		Fat clay, dark brown with some black, some silt and gravel, saturated, product staining, odor. Silt with clay, brown to dark brown, trace rounded cobble, trace coal and brick fragments, loose, moist, no odor.	0.7
8	844.8	92	B5527-ELEV-846-844		Fat clay, dark brown, some silt,trace gravel, saturated, product staining, odor. Silt with fat clay, gray-brown to brown, some gravel, trace coal fragments, stiff, moist.	11.1
10		99			Medium to coarse silt sand, bark brown to black, some gravel and brick fragments, loose, saturated, product staining. Fine sand with gravel, gray, loose, dry.	

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BORING B5527

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832K3 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	REMARKS	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10			B5527-ELEV-844-842		Silt, dark brown to brown, some fat clay and trace gravel, stiff, moist.	5

Bottom of borehole at 10.8 feet.

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SOIL BORING SCV-1

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832L8
PROJECT LOCATION Elmira, New York
DATE STARTED 10/21/25 **COMPLETED** 10/21/25
NORTHING 754058.992 ft **EASTING** 762248.767 ft
DRILLER N/A
GROUND ELEVATION 854.806 ft **BORING DIAMETER** in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD Hand
UTILITY CONTRACTOR
RIG TYPE N/A
LOGGED BY MO **CHECKED BY** S. Perdziola
NOTES Hit refusal at 10" at location 1, stepped off 1ft N and hit refusal at 10" at location 2, stepped off 1 ft S and hit refusal at 14" at location 3

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Dark brown topsoil with organics, trace fine gravel, moist.	
					Dark brown topsoil with organics, some fine to coarse gravel, moist.	

Bottom of borehole terminated at 1.2 feet bgs.

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SOIL BORING SCV-2

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832L8
PROJECT LOCATION Elmira, New York
DATE STARTED 10/21/25 **COMPLETED** 10/21/25
NORTHING 753989.639 ft **EASTING** 762240.716 ft
DRILLER N/A
GROUND ELEVATION 854.795 ft **BORING DIAMETER** in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD Hand
UTILITY CONTRACTOR
RIG TYPE N/A
LOGGED BY MO **CHECKED BY** S. Perdziola
NOTES Sand additive encountered at location 1, stepped off 1 ft W, hit refusal at 11" at location 2, stepped off 1 ft S, hit refusal at 15" at location 3

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Dark brown topsoil with organics, some fine to caorse gravel, moist.	
					Dark brown topsoil with organics and some yellowish-tan gravel, moist.	
					Bottom of borehole terminated at 1.3 feet bgs.	

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SOIL BORING SCV-3

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832L8
PROJECT LOCATION Elmira, New York
DATE STARTED 10/21/25 **COMPLETED** 10/21/25
NORTHING 753970.3 ft **EASTING** 762194.319 ft
DRILLER N/A
GROUND ELEVATION 854.908 ft **BORING DIAMETER** in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD Hand
UTILITY CONTRACTOR
RIG TYPE N/A
LOGGED BY MO **CHECKED BY** S. Perdziola
NOTES Refusal at 10" at location 1, stepped off 1ft NW, refusal at 12" at location 2, stepped out 1 ft S, refusal at 15" at location 3

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Dark brown topsoil with organics, trace gravel, moist.	
					Dark brown topsoil with organics, fine to coarse gravel, moist. Tan to dark brown fine sandy gravel, trace topsoil.	
					Bottom of borehole terminated at 1.3 feet bgs.	

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SOIL BORING SCV-4

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832L8
PROJECT LOCATION Elmira, New York
DATE STARTED 10/21/25 **COMPLETED** 10/21/25
NORTHING 753942.5 ft **EASTING** 762159.821 ft
DRILLER N/A
GROUND ELEVATION 855.089 ft **BORING DIAMETER** in
DRILLING METHOD Hand Core
TOP OF CASING ELEVATION
SAMPLING METHOD Hand
UTILITY CONTRACTOR
RIG TYPE N/A
LOGGED BY MO **CHECKED BY** S. Perdziola
NOTES Hit refusal at location 1 at 10", stepped off 1 ft N, hit refusal at 12" at location 2, stepped off 2ft S and hit refusal at 16" at location 3

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Dark brown topsoil with organics, moist.	
					Dark brown topsoil with organics, trace fine gravel, moist. Tan to dark brown fine sandy gravel, moist.	
					Bottom of borehole terminated at 1.3 feet bgs.	

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SOIL BORING B5639

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832T1
PROJECT LOCATION Elmira, New York
DATE STARTED 11/11/25 **COMPLETED** 11/11/25
NORTHING 754058.992 ft **EASTING** 762248.767 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.806 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES PFAS @ 1-2 ft

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0				Brown silt with organic material, medium firm, damp, no odor.	
				Brown silty sand with some gravel, bands of yellowish-brown and dark brown, some brick and coal fragments, dense, damp, no odor.	
2	852.8	81			0.3
4	850.8				0.3
6	848.8	77			0.7
8	846.8				0.3
10					

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SOIL BORING B5639

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832T1 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		52			0.3
12	842.8			Brown silty sand with clay and some gravel, moist, wet at 13.2', dense, no odor.	0.3
14	840.8	52			0.2
16	838.8			Bottom of borehole terminated at 16.0 feet bgs.	0.2

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SOIL BORING B5640

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832T1
PROJECT LOCATION Elmira, New York
DATE STARTED 11/11/25 **COMPLETED** 11/11/25
NORTHING 753989.639 ft **EASTING** 762240.716 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.795 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0				Brown silt with organic material. Soft, damp, no odor.	0
2	852.8	69		Brown silty sand with some sub-angular gravel, rock fragments and coal fragments at 2.5-2.75'. Medium dense, dry, no odor.	0
4	850.8				0
6	848.8	52			0
8	846.8				0.2
10				Brown silty sand, moist, wet at 14'.	

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SOIL BORING B5640

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832T1 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		58			0
12	842.8				0
14	840.8	50			0.2
16	838.8			Bottom of borehole terminated at 16.0 feet bgs.	

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SOIL BORING B5641

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832T1
PROJECT LOCATION Elmira, New York
DATE STARTED 11/11/25 **COMPLETED** 11/11/25
NORTHING 753970.3 ft **EASTING** 762194.319 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.908 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0				Brown silt with some organic material, medium dense, no odor.	0
				Brown to dark brown silty sand with trace clay. Some gravel, brick, coal, and rock fragments. Medium dense. Damp, no odor.	
2	852.9	65			0.2
4	850.9				0.3
				Light brown sandy clay, few sub-rounded gravel. Medium firm, damp, no odor.	
6	848.9	60		Dark brown silty sand with trace clay. Some gravel, brick, coal, and rock fragments. Medium dense, damp, no odor.	0
8	846.9			Brown silty sand with few small round gravel. Medium dense, damp, no odor.	0.3
				Brown silty sand with coarse round gravel. Medium dense, damp, no odor.	
				Brown coarse silty sand. Loose, damp, no odor.	
10					

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SOIL BORING B5641

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832T1 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		54			0.3
12	842.9			Brown coarse silty sand with round and sub-rounded gravel. Loose, damp, wet at 15', no odor.	0.2
14	840.9	56			0.2
16	838.9			Bottom of borehole terminated at 16.0 feet bgs.	

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SOIL BORING B5642

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832T1
PROJECT LOCATION Elmira, New York
DATE STARTED 11/11/25 **COMPLETED** 11/11/25
NORTHING 753942.5 ft **EASTING** 762159.821 ft
DRILLER Parratt Wolff
GROUND ELEVATION 855.089 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0				Brown silty sand with some angular gravel, poorly sorted. Medium dense, damp, no odor.	0
2	853.1	52			0
4	851.1			Light brown to brown silty sand with some brick and coal fragments at 6'. Medium dense, damp, no odor.	0.1
6	849.1	56			0
8	847.1			Brown sandy clay with some angular gravel. Firm, damp, no odor.	0
				Light brown to brown silty sand. Medium dense, damp, no odor.	
10					

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SOIL BORING B5642

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832T1 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		56			0.1
12	843.1			Brown silty sand with rounded gravel and some rock fragments. Medium loose, damp, wet at 15', no odor.	0.7
14	841.1	42			0.3
16	839.1			Bottom of borehole terminated at 16.0 feet bgs.	

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SOIL BORING B5643

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832T1
PROJECT LOCATION Elmira, New York
DATE STARTED 11/11/25 **COMPLETED** 11/11/25
NORTHING 754062.26 ft **EASTING** 762210.853 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.418 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0				Brown silt with organic material. Soft, damp, no odor.	0.1
				Brown silty sand with some gravel, large rock fragments, brick fragments, and coal. Medium dense, damp, no odor.	
2	852.4	69			0.3
4	850.4			Brown to yellowish-brown silty sand with some brick fragments at 6.6-7'. Medium dense, damp, no odor.	0.3
6	848.4	73			0.1
8	846.4				0
10					

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SOIL BORING B5643

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832T1 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		69			0
12	842.4			Brown to yellowish-brown silty sand. Medium dense, damp, no odor.	0
14	840.4	75			0
16	838.4			Bottom of borehole terminated at 16.0 feet bgs.	

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SOIL BORING B5644

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832T1
PROJECT LOCATION Elmira, New York
DATE STARTED 11/11/25 **COMPLETED** 11/11/25
NORTHING 754078.053 ft **EASTING** 762253.849 ft
DRILLER Parratt Wolff
GROUND ELEVATION 854.776 ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0				Brown silt with some organic material. Medium soft, no odor.	0
				Brown silty sand with some round gravel. Dense, no odor.	
2	852.8	77			0
				Black coal and slag fragments.	
4	850.8			Brown silty sand with some round gravel. Dense, no odor.	0.1
				Light btown silty sand with some subangular gravel 5.25-7.6'. Loose, damp, wet at 14.8'	
6	848.8	65			0.4
8	846.8				0.5
10					

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SOIL BORING B5644

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832T1 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		69			0.5
12	842.8				0.4
14	840.8	85			0.6
16	838.8			Bottom of borehole terminated at 16.0 feet bgs.	

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SOIL BORING SSHS-S028B-2

CLIENT Unisys Corporation
PROJECT NAME Former Sperry Remington
PROJECT NUMBER MN0832T1
PROJECT LOCATION Elmira, New York
DATE STARTED 11/12/25 **COMPLETED** 11/12/25
NORTHING ft **EASTING** ft
DRILLER Parratt Wolff
GROUND ELEVATION ft **BORING DIAMETER** 2 in
DRILLING METHOD Direct Push
TOP OF CASING ELEVATION
SAMPLING METHOD 2" x 5' Macrocore
UTILITY CONTRACTOR
RIG TYPE Geoprobe
LOGGED BY A. Hayes **CHECKED BY** S. Perdziola
NOTES

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
0					Discrete to 4 ft.	
4					Dark brown silty sand with some angular to round gravel, trace clay, few coal fragements. Medium dense, moist, no odor.	0
6		29				0.1
8						0
10						

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SOIL BORING SSHS-S028B-2

CLIENT Unisys Corporation **PROJECT NAME** Former Sperry Remington

PROJECT NUMBER MN0832T1 **PROJECT LOCATION** Elmira, New York

DEPTH (ft)	ELEVATION (ft amsl)	RUN RECOVERY %		GRAPHIC LOG	MATERIAL DESCRIPTION	PID (PPM)
10		29				0
12					Coarse brown silty sand with some sub-rounded gravel and trace clay. Medium dense, moist, no odor.	0.3
14		52				0.1
16					Bottom of borehole terminated at 16.0 feet bgs.	

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