

# Phase II Environmental Site Assessment

Location:

2020 River Road  
Town of Wheatfield, New York

Prepared for:

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## **1.0 Introduction and Background**

### **1.1 Introduction**

LaBella Associates, P.C. (“LaBella”) was retained to conduct a Phase II Environmental Site Assessment (ESA) at the property located at 2020 River Road, Town of Wheatfield, Niagara County, New York, which is hereinafter referred to as the “Site.” Figure 1 shows the location of the Site while Figure 2 identifies the boundaries of the Site.

A Phase I Environmental Site Assessment (ESA) was completed at the 4.59-acre Site in 2006. The Phase I ESA identified the following Recognized Environmental Conditions (RECs) at the Site:

- Historical use of the property for filling purposes: Fill materials of more than 10 feet in depth were reportedly interred at the Site. The fill reportedly consists of industrial types of wastes such as slag, ash, cinders, fire-brick, coal, and foundry sand.
- Surrounding properties: The adjacent property to the east was formerly known as the Lynch Park/Brzezinski Landfill, in which industrial wastes were disposed. Extensive sampling of the waste materials indicated that no hazardous waste was present at the landfill. During the sampling program, trichloroethene and tetrachloroethene were identified in soils in the western portion of the landfill. Based on the proximity of those findings to the Site, the Phase I ESA identified the potential presence of volatile organic compounds in the soils at the Site as a concern.

A Phase II ESA was completed at the Site in December 2006 and included the advancement and sampling of eight soil borings and the installation and sampling of four monitoring wells. The work confirmed the presence of industrial fill/waste on the site and identified only very minor contraventions of groundwater standards. Although identified as a potential issue during previous work at the Site, the Phase II ESA did not evaluate the potential presence of buried drums at the Site.

### **1.2 Phase II ESA Objectives**

The Town of Wheatfield is considering transforming the property into a public park that links the community to the Niagara River. However, the existing data is insufficient to determine if the property is safe for such development. Based upon this information and the intended end use, a Phase II ESA program was developed for this site that included a surface soil screening and analysis program to characterize the chemistry of materials exposed at the surface of the Site and a geophysical survey and a test pit program to investigate the potential presence of buried drums and more thoroughly characterize the nature and extent of fill on the site. Niagara County has also expressed concern about radiological issues at other brownfield sites in the County, so as a precaution a screening level evaluation of the potential presence of radiation was included in this assessment. [No information has been found that suggests a radiological concern(s) exists at this specific property.]

## **2.0 Field Investigation Summary**

This investigation was devised based upon a review of Niagara County’s Request for Proposal (RFP), relevant reports provided by Niagara County, LaBella’s experience with Phase II ESAs of similar brownfield sites, and U.S. environmental Protection Agency (USEPA) recommendations and requirements.

This section provides a summary of the fieldwork completed as part of this Phase II ESA, which included the following:

- A site survey to mark property boundaries
- An EM-31 Geophysical Survey to evaluate the potential presence of buried drums
- Surface soil screening and analysis to characterize the chemistry of materials exposed at the surface of the Site
- A test pit program to investigate the potential presence of buried drums and more thoroughly characterize the nature and extent of fill at the Site

## **2.1 Professional Site Survey**

Because the Site corners/boundaries were not well marked and the irregular shape of the Site made it difficult to accurately locate the limits of the Site, LaBella retained Klettke Land Surveyors, P.C. of Niagara Falls, New York to re-establish and demarcate the Site boundaries. Surveying of the Site was conducted on September 25 and 26, 2012.

## **2.2 Geophysical Survey**

Because information exists suggesting the potential presence of buried drums at the site, an EM-31 geophysical survey was conducted in accessible areas of the Site. Due to the dense nature of the vegetation at the Site, the geophysical survey was limited to these trails and other open areas present in portions of the Site.

The geophysical survey was completed on October 17, 2012, by AMEC Environment and Infrastructure, Inc. (Amec) of Amherst, New York. This work included a one-day, non-intrusive subsurface survey using a Geonics EM-31 capable of detecting and delineating metallic objects in the subsurface, such as drums. The EM-31 consists of a transmitter coil mounted at one end and a receiver coil mounted at the other end of a 3.7-meter long plastic boom. Electrical conductivity and in-phase field strength are measured and stored along with line and station numbers in a digital data logger. The EM-31 can explore to depths of about 20 feet below the ground surface.

The geophysical survey resulted in generation of two color-coded maps depicting the survey results and locations of anomalous readings potentially indicative of metallic materials that were observed. These results were utilized in establishing test pit locations. The Geophysical Survey Report is included as Appendix 2.

## **2.3 Surface Soil/Fill**

On September 28, 2012, surface soil/fill sampling was conducted at the Site. At each location, LaBella utilized an X-Ray Fluorescence (XRF) meter to screen the surface soil/fill for lead, arsenic and other metals. X-Ray Fluorescence is a technique for chemical compositional measurement in which X-rays of a known energy are directed towards a target or sample, causing the atoms within the material to emit "fluorescent" X-rays at energies characteristic of its elemental composition. The metals field screening results are included in Table 1.

In addition, the surface soil/fill was screened for radiation using a handheld radiation alert detector (Ludlum 2241-2 RK Kit Digital Ratemeter with a Model 44-2 high-sensitivity gamma scintillator) capable of detecting the presence of gamma radiation. The radiation field screening results are included in

Table 2. Based upon the screening results and visual observations, samples were collected for laboratory analysis to characterize areas of elevated metals concentrations and to assess site-wide conditions.

A total of 29 surface soil/fill samples were collected from the Site. The sampling locations are shown on Figure 3. To confirm the field screening measurements and further characterize the surface soil/fill, 15 surface soil/fill samples were submitted under standard chain-of-custody procedures for laboratory analyses using USEPA methods.

The samples were placed on ice and transported to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory under proper chain-of-custody protocols for analysis of Target Compound List (TCL) Volatile Organic Compounds (VOCs), Semi-volatile Organic Compounds (SVOCs), pesticides and Polychlorinated Biphenyls (PCBs), and RCRA metals. This analytical program was selected based on the historic activities at the Site and the findings of previous investigatory activities.

The analytical results were validated by a third party validator, and Appendix 3 includes the validation report. The data summary tables and the text in Section 3 describe the validated data.

## **2.4 Subsurface Soil/Fill**

Prior to completing the test pit program, a subsurface utility stakeout was arranged with “Dig Safely New York” to locate any underground public subsurface utilities servicing the Site.

A total of 24 test pits (designated TP1 through TP24) were completed on November 26 and 27, 2012, by Nature’s Way under LaBella supervision. The test pits were advanced to depths ranging from approximately six to ten feet below the ground surface using a bulldozer. The test pits were advanced in select locations along the existing cleared pathways. The locations of the test pits are shown on Figure 4.

Soil/fill from the test pits was continuously assessed in the field for visible impairment, olfactory indications of impairment, indication of detectable VOCs using a photoionization detector (PID), and/or the detection of radioactivity using a handheld radiation alert detector. The radiation field screening results are included in Table 3. Evidence of impairment gathered at the time of the fieldwork was used with observed environmental and geologic conditions to assist in determining the location and depth for sample collection. These observations along with any other pertinent information were recorded on test pit logs and are included in Appendix 1.

LaBella collected 15 soil/fill samples from select test pit locations for laboratory analysis. The samples were placed on ice and transported to a NYSDOH ELAP certified laboratory under proper chain-of-custody protocols for analysis of TCL VOCs, SVOCS plus tentatively identified compounds (TICs), pesticides, PCBs and RCRA metals.

Upon completion of excavation activities, all test pits were backfilled with original materials.

## **3.0 Results**

LaBella submitted 15 surface soil/fill samples and 15 test pit soil/fill samples for laboratory analysis to evaluate the surface and subsurface conditions in the areas previously identified. The soil results were compared to the NYSDEC Part 375-6.8 Unrestricted Use, Protection of Public Health/Residential Use and Restricted Residential Use, Protection of Groundwater and Protection of Ecological Resources Soil

Cleanup Objectives (SCOs). The different media are discussed individually below.

### 3.1 Site Geology and Hydrogeology

The test pits were advanced four to ten feet below the ground surface before encountering native soils. Fill material was observed in 23 of the 24 test pit locations ranging in depth from zero to eight feet below the ground surface. Fill was not encountered in TP23. The fill materials included but were not limited to glass, brick, slag, ash, foundry sands, grinding stones, drums of various sizes, red clay tiles, mulch, concrete and asphalt pieces, and miscellaneous debris.

The underlying native soils at the Site consisted primarily of silt and clay with some gravel identified in select test pits.

The following observations were made during excavation of the 24 test pits at the Site:

- No elevated PID measurements were encountered in any of the test pit locations.
- Petroleum staining was observed in TP1 and TP7.
- Petroleum odors were observed in TP3, TP7, TP10, TP12 and TP18.
- A large metallic object was observed at approximately six feet below the ground surface in TP9. The structure had the appearance of a 275-gallon storage tank but such was not confirmed at the time of investigation due to concerns regarding the condition of the tank and the potential puncturing of the tank.
- A possible wood foundation was observed at approximately four feet below the ground surface in TP11. The excavation was halted and moved approximately three feet to the west where efforts commenced. Evidence of the possible wood foundation was not observed in the latter area of excavation.
- Two one-inch pipes were observed at approximately six to eight feet below the ground surface in TP14, in the vicinity of Anomaly B from the Geophysical Survey. Although a possible sheen was observed on water proximate the pipes, no staining or odors were observed in the test pit. Although a storage tank was not observed in the test pit, due to concerns regarding potentially puncturing a tank (if encountered) without proper cleanup equipment, the test pit was terminated.
- An approximately one-foot thick concrete-like slab was observed at approximately 0.5 feet below the ground surface in TP18 through TP21. Excavation efforts continued at these test pits beneath the slab.

Apparent saturated conditions were encountered in only the two test pits located proximal to the Niagara River (TP8 and TP10) at depths ranging from four to ten feet below the ground surface.

### 3.2 Surface Soil/Fill

The 29 surface soil sample locations were screened for metals and gamma radiation and 15 of the samples were also analyzed in the laboratory for VOCs, SVOCs, pesticides, PCBs, and metals. The following sections describe the results.

The metals screening results show:

- **Arsenic** screening results in SS6 and SS9 were 21 and 17 parts per million (ppm), slightly above the applicable SCOs of 13 and 16 ppm. Laboratory results for SS6 (20.8 ppm) were also slightly above SCOs, and arsenic was not detected in the laboratory sample submitted from SS9.

- **Lead** screening results were slightly above the Unrestricted Use and Protection of Ecological Resources SCOs for 14 of the samples, but all were below the Residential Use SCOs. Laboratory results indicated that six of these samples also contained lead concentrations above the SCOs.
- **Copper** screening results were above the Unrestricted Use and Protection of Ecological Resources SCOs for all but one of the samples. However, all concentrations were below the Residential Use SCOs. Copper was not included in the laboratory analysis so no comparison could be made.
- **Chromium** screening results were above the Residential Use SCOs in 17 of the samples and slightly above the Restricted Residential Use SCOs in 7 of the samples. All chromium screening results were below the Commercial Use SCO of 400 ppm. These results were generally higher than the laboratory results, in which only four of 15 samples contained concentrations above the Residential Use SCOs and none exceeded the Restricted Residential Use SCOs.
- **Cadmium** was not identified in any of the screening results, which was corroborated by the laboratory results.
- **Mercury** screening results were above all applicable SCOs for four of the samples (SS11, SS12, SS18 and SS20). However, these results were not corroborated by the laboratory results, as the laboratory results for the three samples of this group submitted for analysis (SS11, SS12, and SS20) were well below the SCOs. The screening results for the remaining 25 samples were non-detect.
- **Zinc** screening results were slightly above the Unrestricted Use and Protection of Ecological Resources SCOs for all but one of the samples. However, all zinc screening results were well below the Residential Use SCOs. Zinc was not included in the laboratory analysis so no comparison could be made.
- **Nickel** screening results were above Unrestricted Use and Protection of Ecological Resources SCOs for eight of the samples. However, all nickel screening results were well below the Residential Use SCOs. Nickel was not included in the laboratory analysis so no comparison could be made.

The gamma radiation screening results for the surface soil sample locations are shown in Table 2. Although nine of the 29 total samples demonstrated radiation levels above background levels, the highest measured value was only 3.99 kilocounts per minute (kC/m), only slightly above the background of 2.6 kC/m established for the surface soils at the Site.

The analytical surface soil results for the 15 submitted samples are summarized in Table 4, and include:

- Only two VOCs were detected and no VOC concentration exceeded the SCOs.
- Only one SVOC (benzo(b)fluoranthene) was detected in a samples (SS8) at a concentration above the Unrestricted SCOs. The detected concentration was below the Residential Use SCO.
- Three pesticides (4,4-DDT, alpha-BHC and beta-BHC) were detected in at least one of the samples SS18, SS19 and SS29 at concentrations above Unrestricted SCOs. 4,4-DDT and alpha-BHC concentrations were less than the Residential Use SCOs and beta-BHC concentrations were less than the Restricted Residential Use SCOs.
- Metals results included:
  - **Arsenic** was detected in two samples at concentrations slightly above the Unrestricted Use SCO and the concentration in one of these samples was also slightly above the Residential Use SCO.
  - **Barium** was detected in one sample (SS1) at an estimated concentration (1,290 ppm)

above the Commercial Use SCO (400 ppm) but below the Industrial Use SCO (10,000 ppm).

- **Chromium** was detected in five samples above the Unrestricted Use SCO but all concentrations were significantly less than the Restricted Residential Use SCO.
- **Lead** was detected in six samples at concentrations above the Unrestricted Use SCO but all concentrations were significantly less than the Residential Use SCO.
- **Mercury** was detected in three samples at concentrations slightly above the Unrestricted Use SCO but below the Residential Use SCO, and in one additional sample at a concentration above the Restricted Residential Use SCO but below the Commercial Use SCOs.
- **Selenium** concentrations in four samples were slightly above the Unrestricted Use SCO but were well below the Residential Use SCO.

### 3.3 Subsurface Soil/Fill

A total of 24 test pits were excavated and the excavated material was screened for gamma radiation. A total of 15 of the samples were also analyzed in the laboratory for VOCs, SVOCs, pesticides, PCBs, and metals. The following sections describe the results.

The gamma radiation screening of the test pits showed measurements ranging from 7.4 to 11 kC/m. Based on a background measurement of 10 kC/m, only one measurement slightly exceeded background.

Based upon analytical test pit results, summarized in Table 5, the following was identified:

- One VOC (Acetone) was detected in TP18 at a concentration slightly above Unrestricted and Protection of Groundwater SCOs but well below the Residential Use SCO.
- One SVOC (Phenol) was detected in TP7 and TP9 above Unrestricted and Protection of Groundwater SCOs. Both concentrations were well below the Residential Use SCO.
- One pesticide (4,4-DDT) was detected in TP22 slightly above Unrestricted SCOs and Protection of Ecological Resources SCOs but well below the Residential Use SCO.
- Metals results included:
  - **Arsenic** was detected in one sample (TP1) at a concentration slightly above the SCOs.
  - **Cadmium** was detected in one sample at a concentration above the Residential Use SCO but below the Restricted Residential Use SCO.
  - **Chromium** was detected in five samples above the Unrestricted Use SCO, four of which were above the Residential Use SCO and two of which were also slightly above the Restricted Residential SCO. All chromium concentrations were less than the Commercial Use SCO (400 ppm).
  - **Lead** was detected in nine samples at concentrations above the Unrestricted Use SCO but eight of the concentrations were significantly less than the Residential Use SCO. Sample TP9 contained lead at a concentration of 493 ppm, slightly above the Residential Use SCO of 400 ppm.
  - **Mercury, selenium, and silver** were each detected in at least one sample at concentrations above the respective Unrestricted Use SCO but below the Residential Use SCO.



## 4.0 Discussion of Findings

Based on the results of the investigation, the following was observed for the characterized media:

- Although some minor contraventions of SCOs were identified, VOCs, SVOCs, and PCBs do not appear to be a significant concern at the Site.
- Fill material was observed in a majority of the test pit locations ranging in depth from zero to ten feet below the ground surface. The fill materials included but were not limited to glass, brick, slag, ash, foundry sands, grinding stones, drums of various sizes, red clay tiles, mulch, concrete and asphalt pieces, and miscellaneous debris.
- Gamma radiation levels at the Site appear to be at background levels.
- Although petroleum odors and staining were observed in select test pits, the analytical results indicated that petroleum-related compounds do not constitute a significant concern at the Site.
- The presence of select metals and one pesticide at concentrations above the Residential Use and, in some cases, Restricted Residential Use SCOs suggests that development of the Site for a public park may require the performance of some level of remediation. Under the proposed future use scenario, users of the public park could be exposed to contaminants in the surface soil through the inhalation of airborne particles and the incidental ingestion of, or dermal contact, with the contaminated fill.
- A large metallic object was observed at approximately six feet below the ground surface in TP9 that had the appearance of a 275-gallon storage tank. Due to site conditions and the lack of spill cleanup equipment and materials, the object was left in place. Future site work will need to evaluate the object and its condition, and determine if it is a storage tank and if it contains any fluids.
- A possible wood foundation was observed at approximately four feet below the ground surface in TP11. This may be associated with one of the two residences formerly located on the Site.
- Two one-inch pipes were observed at approximately six to eight feet below the ground surface in TP14, and the presence of a sheen on water proximal to the pipes suggested that the pipes led to a storage tank. Although a storage tank was not observed in the test pit, due to concerns regarding potentially puncturing a tank (if encountered) without proper cleanup equipment, the test pit was terminated. Future site work will need to evaluate this area to determine if a tank is present or absent.
- The reason for the one-foot thick concrete-like slab observed at approximately 0.5 feet below the ground surface in TP18 through TP21 is not known. This pad may have been associated with one of the former residences at the Site, or may have been associated with historic filling operations on the Site.

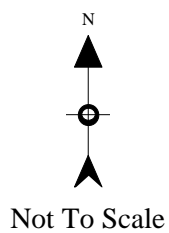
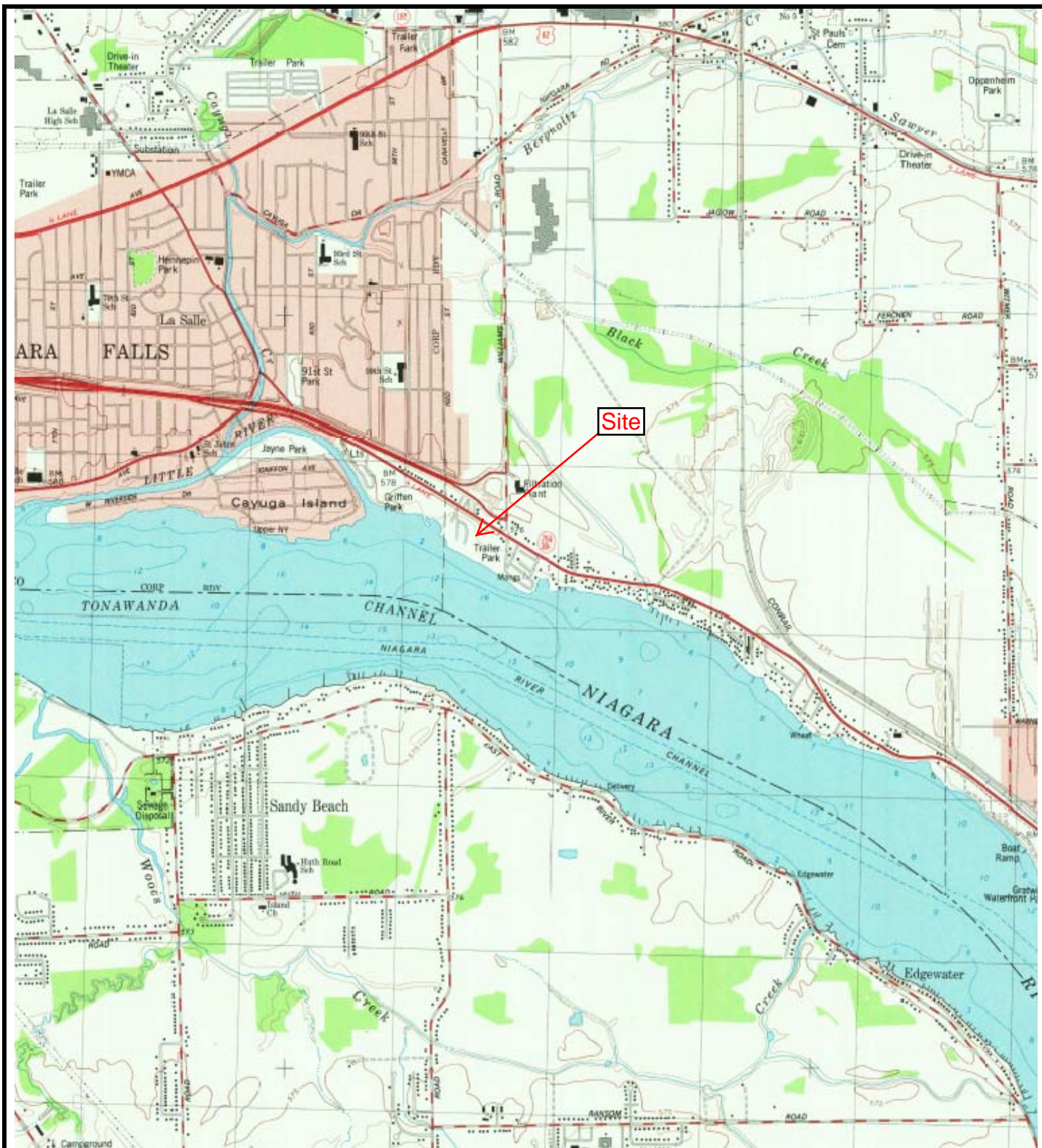
## 5.0 Conclusions

Based on the findings of this Phase II ESA as well as previous studies at the Site, it appears that a majority of the Site consists of non-native fill material ranging in depth from four to ten feet below the ground surface. The characterization information of this material suggests that one or more of the following remedial actions may be required by the NYSDEC prior to the creation of a public park at this property:

- Overall Site
  - Based on the presence of significant soil/fill at the Site, institutional controls should be prepared for the Site, including:
    - A Site Management Plan that includes:
      - A Soil/Fill Management Plan for the safe excavation and disposal of soil/fill at the Site.
      - A prohibition on groundwater usage.
      - A description of accepted uses of the Site.
    - The institutional controls should be filed with the courts to ensure that the property is not used for residential purposes and that any actions that are undertaken at the Site are protective of human health and the environment.
    - The estimated costs associated with this action are \$10,000 to \$15,000 and include attorney and environmental consultant fees.
    - This action will likely take one to three months.
- Evaluation of Metallic Objects
  - Additional evaluation of the metallic objects in test pits TP9 and TP14 should be undertaken to determine if the objects are indeed tanks and if the tanks hold any fluids.
  - Equipment necessary to properly remove the objects, should they be positively identified as tanks, and any associated fluids should be mobilized to the site during this evaluation to mitigate the potential for release of the objects' contents.
  - Anticipated costs range from \$5,000 to \$15,000, assuming that no significant soil and/or groundwater contamination is encountered.
  - This action could be undertaken in one month.
- Surface Soil/Fill
  - Due to the presence of contaminants, primarily metals, in surface soil/fill at concentrations above Unrestricted and Residential SCOs, the NYSDEC may require the implementation of some mitigation measures to reduce or eliminate the potential for exposure to the soil/fill.
  - The first step in the process would be to meet with the NYSDEC to determine if remedial actions are indeed necessary, and if so, create a plan to identify and evaluate the most cost-effective methods to reduce or eliminate the potential for exposure.
  - Such methods may include one or a combination of the following:
    - Delineation and removal of hot spots, such as SS1 and SS29.
    - Placement of clean cover material over select areas of the Site.
    - Creation of covered paths such as boardwalks that limit users of the park to certain areas and eliminate direct contact with soil/fill.
    - Placement of clean cover material over the entire Site.
  - Because the NYSDEC's input would be needed prior to the determination of the need for remedial actions and the extent of those actions, estimates of the costs and duration of such actions cannot be ascertained at this time.

- Subsurface Soil/Fill
  - Based on the proposed use of the Site as a public park and the types of contaminants detected in the subsurface soil/fill, exposure to contamination in this material is not expected.
  - However, if excavation is necessary to prepare the Site for use as a public park, excavated materials must be properly handled in accordance with a Soil/Fill Management Plan that may include off-site disposal of the excavated soil/fill material.
  - Because the need for and extent of excavation at the Site will depend on the final development plans which have not yet been established, estimates of the costs and duration of such actions cannot be ascertained at this time.
- Funding
  - Depending on the final determination of the need for and the extent of remedial actions, Niagara Greenway, NY State and USEPA brownfield grants, or other sources of funding may be pursued to facilitate the development of the Site.

## FIGURES AND TABLES



## FIGURE 1 SITE LOCATION MAP

2020 River Road  
Wheatfield, New York

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Not To Scale

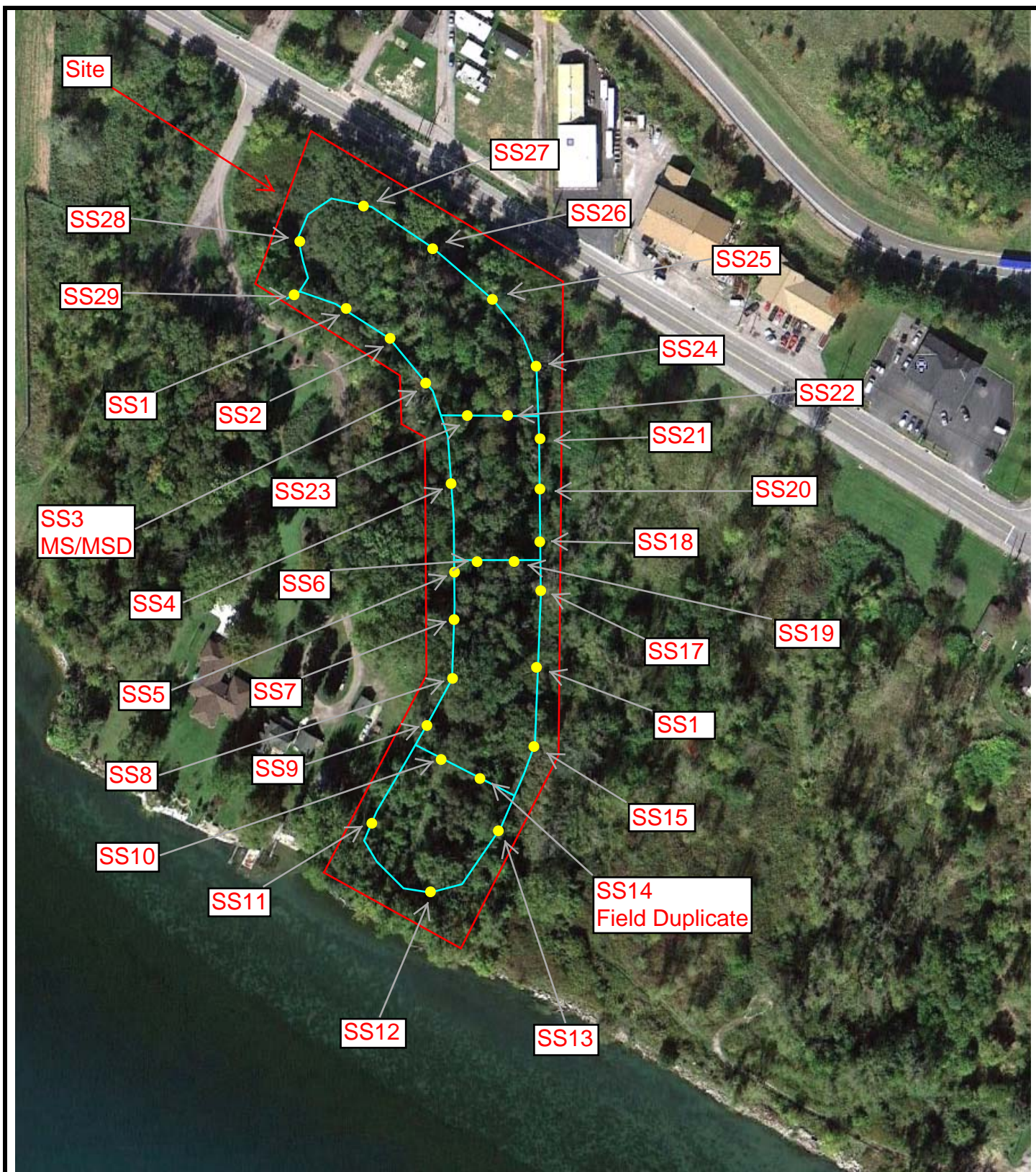
## FIGURE 2 DETAILED SITE MAP

2020 River Road  
Wheatfield, New York

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Not To Scale

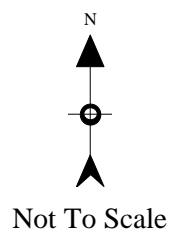
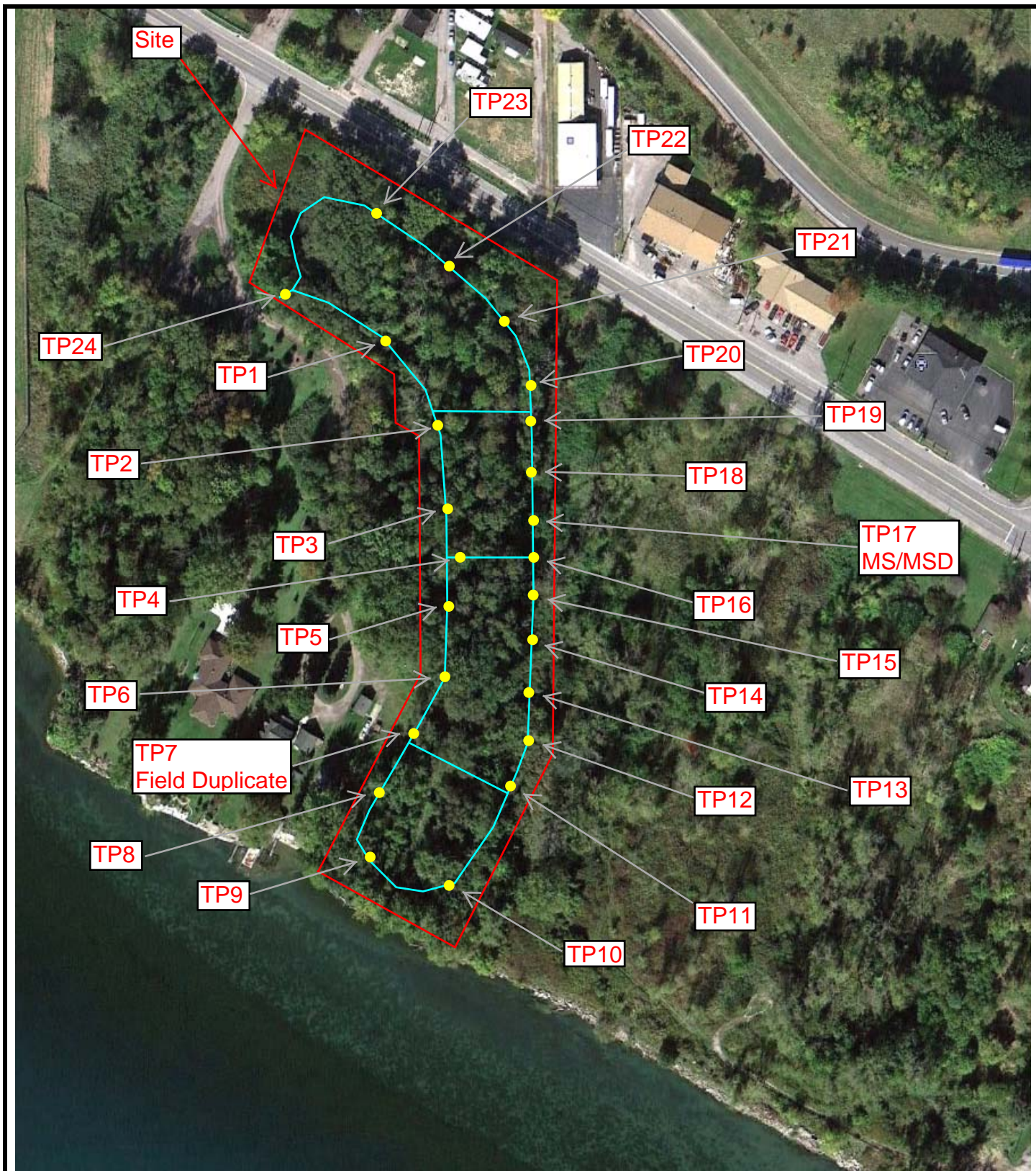
## FIGURE 3 SURFACE SOIL SAMPLING LOCATIONS MAP

2020 River Road  
Wheatfield, New York

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**FIGURE 4**  
**TEST PIT SAMPLING**  
**LOCATIONS MAP**

2020 River Road  
Wheatfield, New York

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**Table 1**  
**2020 River Road, Niagara Falls, New York**  
**Phase II Environmental Site Assessment**  
**Surface Soil Screening Results-Metals**

Sample ID	SS1	SS2	SS3	SS4	SS5	SS6	SS7	SS8	SS9	SS10
Arsenic	12	4.1	ND	ND	3.9	21	5	9	17	5.7
Lead	138	26.7	43.2	38.6	34.6	133	40.1	200	108	5.7
Copper	152	90	ND	107	112	112	92	190	191	57
Chromium	56	ND	119	52	46	117	ND	183	174	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	246	127	176	157	137	259	168	381	507	218
Nickel	ND	ND	35	27	24	29	ND	31	59	22

Sample ID	SS11	SS12	SS13	SS14	SS15	SS16	SS17	SS18	SS19	SS20
Arsenic	9	4.7	ND	3.8	4.2	6.3	ND	41	11	1.7
Lead	81	32.6	76.6	27.7	39.6	28.3	244	382	78	2
Copper	141	172	80	73	105	90	72	96	175	8
Chromium	151	131	ND	ND	ND	ND	ND	106	108	18
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	9	8.1	ND	ND	ND	ND	ND	5.4	ND	2
Zinc	251	216	288	142	189	148	277	499	319	6
Nickel	46	46	ND	ND	34	28	22	ND	36	8

Sample ID	SS21	SS22	SS23	SS22	SS25	SS26	SS27	SS28	SS29
Arsenic	ND	ND	3.6	5.7	ND	4.9	ND	ND	ND
Lead	47.9	68	29.3	65	32	29.1	150	199	134
Copper	57	119	70	83	83	64	125	236	108
Chromium	68	100	72	127	ND	ND	ND	101	54
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	392	196	124	169	137	113	235	305	159
Nickel	26	ND	ND	ND	26	ND	ND	38	26

Notes:

ND=Not detected

All measurements in parts per million

All samples collected and screened on September 28, 2012.

**Table 2**  
**2020 River Road, Niagara Falls, New York**  
**Phase II Environmental Site Assessment**  
**Surface Soil Screening Results-Gamma Radiation**

Sample ID	SS1	SS2	SS3	SS4	SS5	SS6	SS7	SS8	SS9	SS10
Gamma	1.89	1.68	1.54	2.01	2.43	1.89	2.15	3.12	2.12	1.54

Sample ID	SS11	SS12	SS13	SS14	SS15	SS16	SS17	SS18	SS19	SS20
Gamma	3.16	2.65	2.76	1.57	1.71	3.99	1.52	2.79	2.77	3.19

Sample ID	SS21	SS22	SS23	SS24	SS25	SS26	SS27	SS28	SS29
Gamma	2.02	1.29	1.93	2	2.47	1.85	3.13	2.51	1.82

Notes:

All Samples in kilocounts per minute (kC/m)

Background concentration at 2.6 kC/m

All samples collected and screened on September 28, 2012.

**Table 3**  
**2020 River Road, Niagara Falls, New York**  
**Phase II Environmental Site Assessment**  
**Test Pits Screening Results-Gamma Radiation**

Sample ID	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TP7/ FD	TP8
Gamma	8.9	8	7.4	8.5	9.8	8.1	9.9	9.4	10

Sample ID	TP9	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17
Gamma	9.8	11	10	9	8.4	10	9.3	10	10

Sample ID	TP17 /MS- MSD	TP18	TP19	TP20	TP21	TP22	TP23	TP24
Gamma	9	8.1	8.5	8	10	9.2	9.6	8.5

Notes:

All Samples in kilocounts per minute (kC/m)

Background concentration at 10 kC/m

All samples collected and screened on November 26 and 27, 2012.

**Table 4**  
**2020 River Road, Niagara Falls, New York**  
**Phase II Environmental Site Assessment**  
**Summary of Surface Soil Analytical Results**  
**(Detected Compounds Only)**

Sample ID	SS1	SS6	SS8	SS9	SS10	SS11	SS12	SS16	SS17	SS18	SS19	SS20	SS24	SS27	SS29	Part 375 Unrestricted Soil Cleanup Objectives	Part 375 Residential Soil Cleanup Objectives	Part 375 Restricted- Residential Soil Cleanup Objectives	Part 375 Protection of Ecological Resources Soil Cleanup Objectives	Part 375 Protection of Groundwater Soil Cleanup Objectives
Sample Date	9/28/2012	9/28/2012	9/28/2012	9/28/2012	9/28/2012	9/28/2012	9/28/2012	9/28/2012	9/28/2012	9/28/2012	9/28/2012	9/28/2012	9/28/2012	9/28/2012	9/28/2012					
<b>Volatile Organic Compounds (ug/kg)</b>																				
4-Methyl-2-Pentanone	>39 U	22 J	>43 U	>32 U	>37 U	>30 U	>30 U	>36 U	>38 U	>35 U	8.2 J	7.6 J	>30 U	30 J	>29 U	NL	NL	NL	NL	NL
Toluene	>7.8 U	1.8 J	<8.6 U	<6.3 U	<7.4 U	<6 U	<6 U	<7.1 U	<7.6 U	<6.9 U	<5.4 U	<5.6 U	<6.1 U	<6.1 U	<5.8 U	700	100,000	100,000	36,000	700
<b>Semi-Volatile Organic Compounds (ug/kg)</b>																				
Benzo(a)anthracene	<510 U	<420 U	890	<420 U	<490 U	<390 U	<400 U	<470 U	<500 U	<460 U	<350 U	<370 U	210 J	360 J	290 J	1,000	1,000	1,000	NL	1,000
Benzo(a)pyrene	<510 U	<420 U	630	<420 U	<490 U	<390 U	<400 U	<470 U	<500 U	<460 U	<350 U	<370 U	240 J	370 J	350 J	1,000	1,000	1,000	2,600	22,000
Benzo(b)fluoranthene	<510 U	<420 U	960	<420 U	<490 U	<390 U	<400 U	<470 U	<500 U	<460 U	<350 U	<370 U	330 J	520	450	800	1,000	1,000	NL	1,700
Benzo(g,h,i)perylene	<510 U	<420 U	300 J	<420 U	<490 U	<390 U	<400 U	<470 U	<500 U	<460 U	<350 U	<370 U	<400 U	180 J	180 J	100,000	100,000	100,000	NL	1,000,000
Benzo(k)fluoranthene	<510 U	<420 U	320 J	<420 U	<490 U	<390 U	<400 U	<470 U	<500 U	<460 U	<350 U	<370 U	<400 U	200 J	170 J	800	1,000	3,900	NL	1,700
Chrysene	<510 U	<420 U	780	<420 U	<490 U	<390 U	<400 U	<470 U	<500 U	<460 U	<350 U	<370 U	250 J	400 J	330 J	1,000	1,000	3,900	NL	1,000
Diethylphthalate	<510 U	<420 U	<570 U	<420 U	<490 U	<390 U	<400 U	330 J	<500 U	<460 U	<350 U	<370 U	<400 U	<400 U	<380 U	NL	NL	NL	NL	NL
Dimethylphthalate	550	370 J	550 J	390 J	370 J	460	390 J	500	430 J	520	290 J	430	520	450	490	NL	NL	NL	NL	NL
Fluoranthene	<510 U	250 J	1,800	<420 U	<490 U	<390 U	<400 U	<470 U	<500 U	<460 U	<350 U	<370 U	420	800	430	100,000	100,000	100,000	NL	1,000,000
Indeno(1,2,3-cd)pyrene	<510 U	<420 U	280 J	<420 U	<490 U	<390 U	<400 U	<470 U	<500 U	<460 U	<350 U	<370 U	<400 U	<400 U	<380 U	500	500	500	NL	8,200
Phenanthrene	<510 U	<420 U	320 J	<420 U	<490 U	<390 U	<400 U	<470 U	<500 U	<460 U	<350 U	<370 U	220 J	390 J	210 J	100,000	100,000	100,000	NL	1,000,000
Pyrene	<510 U	200 J	1,400	<420 U	<490 U	<390 U	<400 U	<470 U	<500 U	<460 U	<350 U	<370 U	350 J	620	450	100,000	100,000	100,000	NL	1,000,000
<b>Pesticides (ug/kg)</b>																				
4,4-DDE	<2.7 U	<2.2 U	<2.9 U	<2.1 U	<2.5 U	<2 U	<2.1 U	<2.4 U	<2.6 U	<2.4 U	<1.8 U	<1.9 U	1.8 J	<2.1 U	<2 U	3.3	1,800	8,900	3.3	17,000
4,4-DDT	<2.7 U	<2.2 U	<2.9 U	<2.1 U	<2.5 U	<2 U	<2.1 U	<2.4 U	<2.6 U	2.9 J	<1.8 U	<1.9 U	<2.1 U	<2.1 U	140 J	3.3	1,700	7,900	3.3	136,000
Alpha-BHC	<2.7 U	<2.2 U	<2.9 U	<2.1 U	<2.5 U	<2 U	<2.1 U	<2.4 U	<2.6 U	5.2 J	16 J	<1.9 U	<2.1 U	4.1 J	64 J	20	97	480	40	20
Alpha-chlordane	<2.7 U	<2.2 U	8.6 J	<2.1 U	<2.5 U	<2 U	<2.1 U	<2.4 U	<2.6 U	<2.4 U	<1.8 U	<1.9 U	4.2 J	<2.1 U	<2 U	94	910	4200	1,300	2,900
Beta-BHC	<2.7 U	<2.2 U	<2.9 U	<2.1 U	<2.5 U	<2 U	<2.1 U	<2.4 U	<2.6 U	300 J	46 J	<1.9 U	<2.1 U	5.7 J	87 J	36	72	360	600	90
Delta-BHC	<2.7 U	<2.2 U	<2.9 U	<2.1 U	<2.5 U	<2 U	<2.1 U	<2.4 U	<2.6 U	<2.4 U	<1.8 U	<1.9 U	<2.1 U	1.9 J	<2 U	40	100,000	100,000	40	250
Gamma-chlordane	<2.7 U	<2.2 U	5.6 J	<2.1 U	<2.5 U	<2 U	<2.1 U	<2.4 U	<2.6 U	<2.4 U	<1.8 U	<1.9 U	2.1 J	<2.1 U	<2 U	NL	NL	NL	NL	NL
<b>PCBs (ug/kg)</b>																				
Aroclor-1254	<27 U	<22 U	<29 U	<21 U	<25 U	<20 U	<20 U	<24 U	<26 U	<24 U	80 J	120 J	<21 U	61 J	800 J	NL	NL	NL	NL	NL
<b>Metals (mg/kg)</b>																				
Arsenic	1.32	20.8	<1.3 U	<0.86 U	<1.02 U	<0.86 U	<0.82 U	<1.04 U	<1.08 U	13.1	<0.8 U	0.26 J	<0.88 U	9.61	2.9	13	16	16	13	16
Barium	1,290 J	42 J	102 J	135 J	73.3 J	155 J	172 J	29.7 J	84.5 J	60.7 J	46.1 J	130 J	116 J	81.5 J	89.4 J	350	350	400	433	820
Cadmium	<0.36 U	0.2 J	<0.4 U	1.01	0.32	0.32	<0.24 U	<0.32 U	0.16 U	0.07 J	0.32	0.36	<0.26 U	0.32	0.35	2.5	2.5	4.3	4	7.5
Chromium	37.5 J	63.2 J	37.7 J	5.47 J	8.27 J	3.91 J	3.51 J	8.33 J	35.1 J	22.8 J	<0.4 UN	5.19 J	29.6 J	28.4 J	36.5 J	30	36	180	41	NL
Lead	168 J	151 J	186 J	48.7 J	24.9 J	25.1 J	3.99 J	21 J	261 J	294 J	30.1 J	41.7 J	56.3 J	67.7 J	233 J	63	400	400	63	450
Mercury	0.32	0.14	0.26	0.01	0.06	0.01 J	0.01 J	0.08	0.16	0.14	0.01	0.01	0.3	0.34	2.61 D	0.18	0.81	0.81	0.18	0.73
Selenium	3.5	1.63	5.32	3.85	1.96	3.54	4.4	1.77	1.7	2.17	0.99	4.72	3.94	2.73	3.47	3.9	36	180	3.9	4
Silver	1.24	0.48	0.87	1.28	0.6	0.97	1.22	0.51 J	0.61	0.72	0.23 J	1.91	1.44	1.13	1.24	2	36	180	2	8.3

NL=Not listed

U=The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.

J=The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.

D=The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

**Analyste detected above Part 375 Unrestricted (soil cleanup objectives)**

**Analyste detected above Part 375 Residential (soil cleanup objectives)**

**Analyste detected above Party 375 Restricted Residential (soil cleanup objectives)**

**Analyste detected above Part 375 Protection of Ecological Resources (soil cleanup objectives)**

**Analyste detected above Part 375 Protection of Groundwater (soil cleanup objectives)**

**Bold**  
  
*Italic*  
Underlined

**Table 5**  
**2020 River Road, Niagara Falls, New York**  
**Phase II Environmental Site Assessment**  
**Summary of Test Pit Soil Analytical Results**  
**(Detected Compounds Only)**

Sample ID	TP1	TP5	TP7	TP8	TP9	TP10	TP11	TP12	TP14	TP16	TP17	TP18 Reanalysis	TP20	TP22	TP24	Part 375 Unrestricted Soil Cleanup Objectives	Part 375 Residential Soil Cleanup Objectives	Part 375 Restricted- Residential Soil Cleanup Objectives	Part 375 Protection of Ecological Resources Soil Cleanup Objectives	Part 375 Protection of Groundwater Soil Cleanup Objectives
Depth	2-4 ft. bgs	4-6 ft. bgs	2-4 ft. bgs	3-5 ft. bgs	3-5 ft. bgs	6-8 ft. bgs	2-4 ft. bgs	4-6 ft. bgs	5-7 ft. bgs	3-5 ft. bgs	2-4 ft. bgs	2-4 ft. bgs	2-4 ft. bgs	1-3 ft. bgs	5-7 ft. bgs					
Sample Date	11/26/2012	11/26/2012	11/26/2012	11/26/2012	11/26/2012	11/26/2012	11/27/2012	11/27/2012	11/27/2012	11/27/2012	11/27/2012	11/27/2012	11/27/2012	11/27/2012	11/27/2012					
<b>Volatile Organic Compounds</b>																				
Acetone	<35 U	14 J	48	<35 U	22 J	24 J	<30 UJ	<28 U	<30 U	<29 U	<33 U	56 J	<29 U	<29 U	<31 U	50	100,000	100,000	2,200	50
Carbon Disulfide	<6.9 U	<6.4 U	8.6	<7.1 U	2.2 J	2.6 J	<6.1 U	<5.7 U	<6.1 U	<5.9 U	<6.6 U	<6.2 UJ	<5.9 U	<5.7 U	<6.2 U	NL	NL	NL	NL	NL
Chlorobenzene	3.6 J	<6.4 U	<6 U	<7.1 U	<6 U	<6.2 U	<6.1 U	<5.7 U	<6.1 U	<5.9 U	<6.6 U	4.6 J	<5.9 U	<5.7 U	<6.2 U	1,100	100,000	100,000	40,000	1,100
Methylene Chloride	<6.9 U	<6.4 U	2.5 J	3.4 J	<6 U	<6.2 U	1.7 J	<5.7 U	<6.1 U	<5.9 U	<6.6 U	<6.2 UJ	<5.9 U	<5.7 U	<6.2 U	50	51,000	100,000	12,000	50
Tetrachloroethene	<6.9 U	<6.4 U	<6 U	<7.1 U	<6 U	<6.2 U	<6.1 U	<5.7 U	<6.1 U	<5.9 U	<6.6 U	<6.2 UJ	<5.9 U	1.5 J	<6.2 U	1,300	10,000	19,000	2,000	470
<b>Semi-Volatile Organic Compounds</b>																				
2,4-Dimethylphenol	<460 U	<420 U	<400 U	<460 U	440	<410 U	<400 U	<370 U	<400 U	<390 U	<430 U	<410 U	<390 U	<3,800 U	<410 U	NL	NL	NL	NI	NL
3+4-Methylphenols	<460 U	<420 U	<400 U	<460 U	730	<410 U	<400 U	<370 U	<400 U	<390 U	<430 U	<410 U	<390 U	<3,800 U	<410 U	NL	NL	NL	NL	NL
Benzo(a)anthracene	<460 U	<420 U	170 J	<460 U	<400 U	<410 U	<400 U	160 J	<400 U	<390 U	370 J	<410 U	<390 U	<3,800 U	<410 U	1,000	1,000	1,000	NL	1,000
Benzo(a)pyrene	<460 U	<420 U	210 J	240 J	<400 U	<410 U	<400 U	220 J	<400 U	<390 U	330 J	<410 U	<390 U	<3,800 U	<410 U	1,000	1,000	1,000	2,600	22,000
Benzo(b)fluoranthene	<460 U	<420 U	270 J	<460 U	<400 U	<410 U	<400 U	200 J	<400 U	<390 U	440	<410 U	<390 U	<3,800 U	<410 U	800	1,000	1,000	NL	1,700
Benzo(g,h,i)perylene	<460 U	<420 U	320 J	240 NJ	<400 U	<410 U	<400 U	320 J	<400 U	<390 U	230 J	<410 U	<390 U	<3,800 U	<410 U	100,000	100,000	100,000	NL	1,000,000
Chrysene	<460 U	<420 U	410	<460 U	<400 U	1,200	<400 U	300 J	<400 U	<390 U	400 J	<410 U	<390 U	<3,800 U	<410 U	1,000	1,000	3,900	NL	1,000
Diethylphthalate	<460 U	<420 U	360 J	<460 U	<400 U	<410 U	<400 U	160 J	<400 U	<390 U	<430 U	<410 U	<390 U	<3,800 U	<410 U	NL	NL	NL	NL	NL
Dimethylphthalate	890	710	620	560	630	500	570	520	580	530	540	570	460	<3,800 U	570	NL	NL	NL	NL	NL
Di-n-butylphthalate	<460 U	<420 U	770	<460 U	<400 U	<410 U	<400 U	<370 U	<400 U	<390 U	<430 U	<410 U	<390 U	<3,800 U	<410 U	NL	NL	NL	NL	NL
Fluoranthene	<460 U	<420 U	240 J	<460 U	<400 U	<410 U	<400 U	<370 U	<400 U	<390 U	780	<410 U	<390 U	<3,800 U	<410 U	100,000	100,000	100,000	NL	1,000,000
Indeno(1,2,3-cd)pyrene	<460 U	<420 U	170 J	<460 U	<400 U	<410 U	<400 U	160 J	<400 U	<390 U	220 J	<410 U	<390 U	<3,800 U	<410 U	500	500	500	NL	8,200
Phenanthrene	<460 U	<420 U	270 J	<460 U	<400 U	<410 U	<400 U	360 J	<400 U	<390 U	500	<410 U	<390 U	<3,800 U	<410 U	100,000	100,000	100,000	NL	1,000,000
Phenol	<460 U	<420 U	460	300 J	20,000	260 J	<400 U	310 J	<400 U	<390 U	<430 U	<410 U	<390 U	<3,800 U	<410 U	330	100,000	100,000	30,000	330
Pyrene	<460 U	<420 U	260 J	850	<400 U	<410 U	<400 U	260 J	<400 U	<390 U	600	<410 U	<390 U	<3,800 U	<410 U	100,000	100,000	100,000	NL	1,000,000
<b>Pesticides</b>																				
4,4'-DDT	<2.4 U	<2.2 U	R	<2.4 U	<2 UJ	<2.1 U	<2.1 U	<1.9 U	<2.1 U	<2 U	<2.2 U	<2.1 U	<2 U	7.6	<2.1 U	3.3	1,700	7,900	3.3	136,000
<b>PCBs</b>																				
Aroclor-1248	<24 UJ	<22 U	< 20 UJ	<24 UJ	<20 UJ	<21 UJ	<21 U	<19 UJ	<21 UJ	<20 U	150 J	<21 U	<20 U	<19 UJ	<21 UJ	NL	NL	NL	NL	NL
Aroclor-1260	<24 UJ	<22 U	19 J	<24 UJ	<20 UJ	<21 UJ	<21 U	19 J	<21 UJ	<20 U	<22 U	<21 U	98	<19 UJ	<21 UJ	NL	NL	NL	NL	NL
<b>Metals</b>																				
Arsenic	24.4	4.18	4.07	7.21	10	3.71	4.15	2.72	2.79	3.04	4.92	4.39	6.07	3.92	3.96	13	16	16	13	16
Barium	210 J	15.8 J	88.9 J	97.7 J	69.9 J	64.6 J	65.7 J	63.4 J	35.1 J	56.6 J	103 J	47.8 J	107 J	56 J	41.2 J	350	350	400	433	820
Cadmium	4 N	0.16 JN	1.07 N	1.13 N	1.36 N	0.37 N	0.53 N	0.32 N	0.27 N	0.62 N	0.68 N	0.21 N	1.07 N	0.9 N	0.33 N	2.5	2.5	4.3	4	7.5
Chromium	69.6 J	>7.85 UJ	92.7 J	146 J	212 J	20 J	<10.9 UJ	28.8 J	<8.24 UJ	<9.75 UJ	<10.7 UJ	<10.9 UJ	32.1 J	12.3 J	<6.44 UJ	30	36	180	41	NL
Lead	313	7.88	148	186	493	156	36.5	237	20.9	200	34.9	39	26.2	88.8	352	63	400	400	63	450
Mercury	0.79 D	<0.02 U	0.05 J	0.08	0.08	0.1	0.04	0.35	0.04	0.05	0.08	0.02	0.05	0.11	0.22	0.18	0.81	0.81	0.18	0.73
Selenium	1.18	<0.06 U	9.78	5.04	9.48	2.19	0.76	1.54	0.22 J	0.49 J	1.76	<0.52 U	1.16	0.38 J	1.13	3.9	36	180	3.9	4
Silver	2.55 J	0.2 J	0.57 J	<0.32 UJ	0.56 J	0.16 J	0.37 J	0.28 J	0.15 J	0.33 J	1 J	0.12 J	0.9 J	0.17 J	1.01 J	2	36	180	2	8.3

NL=Not listed

U=The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.

J=The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.

UJ=The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.

N=(Organics)-Presumptive evidence of a compound

N=(Inorganics)-The matrix spike recovery was outside control limits.

**Analylete detected above Part 375 Unrestricted (soil cleanup objectives)**

**Analylete detected above Part 375 Residential (soil cleanup objectives)**

**Analylete detected above Party 375 Restricted Residential (soil cleanup objectives)**

**Analylete detected above Part 375 Protection of Ecological Resources (soil cleanup objectives)**

**Analylete detected above Part 375 Protection of Groundwater (soil cleanup objectives)**

# APPENDIX 1

## Field Logs

**UPS Ground****S.D.P.****Shipping Document**

See instructions on back. Visit [UPS.com](http://UPS.com)® or call 1-800-PICK-UPS® (800-742-5877) for additional information and Tariff/Terms and Conditions.

TRACKING NUMBER **K202 854 3871****SHIPMENT FROM**SHIPPER'S UPS ACCOUNT NO. **153E79**REFERENCE NUMBER **212505**NAME **LaBella PC (Chris B.)** TELEPHONE **716 551-6281**COMPANY **300 Pearl St. Suite 325**STREET ADDRESS **Buffalo, NY 14216**

CITY AND STATE ZIP CODE

**DELIVERY TO**

NAME TELEPHONE

COMPANY **Eco-Rental Solutions** DEPT./FLR.STREET ADDRESS **75 Rockwood St.**CITY AND STATE **Roxbury, NY** ZIP CODE **14610**Residential Delivery ☐

3 WEIGHT	WEIGHT WHOLE LBS. ONLY	DIMENSIONAL WEIGHT If Applicable	LARGE PACKAGE <input type="checkbox"/>	4 SHIPPER RELEASE <input type="checkbox"/>
----------	---------------------------	--	--	--

5 GROUND S.D.P. SHIPPING CHARGES	\$
---	----

6 OPTIONAL SERVICES	<input type="checkbox"/> DECLARED VALUE FOR CARRIAGE \$ AMOUNT \$ <small>For declared value over \$100, see instructions.</small>
C.O.D. shipping may be available at UPS.com	

7 ADDITIONAL HANDLING CHARGE	<input type="checkbox"/> An Additional Handling Charge applies for certain items. See instructions.	\$
------------------------------------	---	----

TOTAL CHARGES	\$
------------------	----

8 METHOD OF PAYMENT	<input checked="" type="checkbox"/> BILL SHIPPER'S ACCOUNT NUMBER <small>(In Section 1)</small>	<input type="checkbox"/> BILL RECEIVER	<input type="checkbox"/> BILL THIRD PARTY	<input type="checkbox"/> CREDIT CARD	American Express Diner's Club MasterCard Visa	<input type="checkbox"/> CHECK
---------------------------	--	---	--	---	--	--------------------------------

9 RECEIVER'S/THIRD PARTY'S UPS ACCT. NO. OR MAJOR CREDIT CARD NO.	EXPIRATION DATE
---	--------------------

THIRD PARTY'S COMPANY NAME AND ADDRESS

STREET ADDRESS

CITY AND STATE ZIP CODE

Shipper authorizes UPS to act as forwarding agent for export control and customs purposes. Shipper certifies that these commodities, technology or software, if exported from the United States, were exported in accordance with the Export Administration Regulations. Diversion contrary to law is prohibited.

10 SHIPPER'S SIGNATURE <b>X [Signature]</b>	DATE OF SHIPMENT <b>9/28/12</b>
--	---------------------------------

All shipments are subject to the terms contained in the UPS Tariff/Terms and Conditions of Service, which are incorporated herein by reference, and are available at [UPS.com](http://UPS.com) and local UPS offices.

021295 1/10 RRD

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See instructions on back. Visit [UPS.com](http://UPS.com)® or call 1-800-PICK-UPS® (800-742-5877) for additional information and UPS Tariff/Terms and Conditions.

**TRACKING NUMBER** 1Z 153 E79 22 1002 4362

**1 SHIPMENT FROM**

SHIPPER'S UPS ACCOUNT NO. **153E79**

REFERENCE NUMBER **212505**

NAME **Chris Hibler** TELEPHONE **585-454-6110**

COMPANY **LA BELLA ASSOC P C**

STREET ADDRESS **300 STATE ST SUITE 201**

CITY AND STATE **ROCHESTER** ZIP CODE **NY 14614-1019**

**2 EXTREMELY URGENT DELIVERY TO**


NAME \_\_\_\_\_ TELEPHONE \_\_\_\_\_

COMPANY \_\_\_\_\_

STREET ADDRESS \_\_\_\_\_ DEPT./FLR. \_\_\_\_\_ Residential Delivery ☐

CITY AND STATE (INCLUDE COUNTRY IF INTERNATIONAL) \_\_\_\_\_ ZIP CODE \_\_\_\_\_

**Mountain Side, New Jersey 07092**



**3** WEIGHT ☐ LTR ☐ PAK ☐ WEIGHT ☐ DIMENSIONAL WEIGHT If Applicable ☐ LARGE PACKAGE ☐ **4** SHIPPER RELEASE ☐

**5** TYPE OF SERVICE ☒ NEXT DAY AIR ☐ EXPRESS (INT'L) ☐ DOCUMENTS ONLY

FOR INTERNATIONAL SHIPMENTS \$ \_\_\_\_\_ CUSTOMS VALUE ☐ DOCUMENTS ONLY

**6** OPTIONAL SERVICES ☐ SATURDAY PICKUP See instructions. ☐ SATURDAY DELIVERY See instructions. ☐ DECLARED VALUE FOR CARRIAGE For declared value over \$100, see instructions. \$ \_\_\_\_\_ AMOUNT ☐ C.O.D. If C.O.D., enter amount to be collected and attach completed UPS C.O.D. tag to package. \$ \_\_\_\_\_ AMOUNT

**7** ADDITIONAL HANDLING CHARGE ☐ An Additional Handling Charge applies for certain items. See instructions. \$ \_\_\_\_\_

**8** METHOD OF PAYMENT ☒ BILL SHIPPER'S ACCOUNT NUMBER (IN SECTION 1) ☐ BILL RECEIVER DOMESTIC ONLY ☐ BILL THIRD PARTY ☐ CREDIT CARD American Express Diner's Club MasterCard Visa ☐ CHECK

**9** RECEIVER'S/THIRD PARTY'S UPS ACCT. NO. OR MAJOR CREDIT CARD NO. \_\_\_\_\_ EXPIRATION DATE \_\_\_\_\_

THIRD PARTY'S COMPANY NAME \_\_\_\_\_

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CITY AND STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

Shipper authorizes UPS to act as forwarding agent for export control and customs purposes. Shipper certifies that these commodities, technology or software, if exported from the United States, were exported in accordance with the Export Administration Regulations. Deviation contrary to law is prohibited.

**10** SHIPPER'S SIGNATURE **X** **Ch. H.** DATE OF SHIPMENT **9/27/12**

All shipments are subject to the terms contained in the UPS Tariff/Terms and Conditions of Service, which are available at [ups.com](http://ups.com) and local UPS offices.

**0101911202609 1/10 S** **SHIPPER'S COPY**

**ups** **UPS Next Day Air®**  
**UPS Worldwide Express®**  
**Shipping Document**

See instructions on back. Visit [UPS.com](http://UPS.com)® or call 1-800-PICK-UPS® (800-742-5877) for additional information and UPS Tariff/Terms and Conditions.

**TRACKING NUMBER** 1Z 153 E79 22 1002 3707

**1 SHIPMENT FROM**

SHIPPER'S UPS ACCOUNT NO. **153E79**

REFERENCE NUMBER **212505**

NAME **Chris Hibler** TELEPHONE **585-454-6110**

COMPANY **LA BELLA ASSOC P C**

STREET ADDRESS **300 STATE ST SUITE 201**

CITY AND STATE **ROCHESTER** ZIP CODE **NY 14614-1019**


**2 EXTREMELY URGENT DELIVERY TO**

NAME \_\_\_\_\_ TELEPHONE **(908)-789-8900**

COMPANY **Chemtech**

STREET ADDRESS **284 Sheffield St.** DEPT./FLR. \_\_\_\_\_ Residential Delivery ☐

CITY AND STATE (INCLUDE COUNTRY IF INTERNATIONAL) **Mountain Side, New Jersey 07092** ZIP CODE \_\_\_\_\_



**3** WEIGHT ☐ LTR ☐ PAK ☐ WEIGHT ☐ DIMENSIONAL WEIGHT If Applicable ☐ LARGE PACKAGE ☐ **4** SHIPPER RELEASE ☐

**5** TYPE OF SERVICE ☒ NEXT DAY AIR ☐ EXPRESS (INT'L) ☐ DOCUMENTS ONLY

FOR INTERNATIONAL SHIPMENTS \$ \_\_\_\_\_ CUSTOMS VALUE ☐ DOCUMENTS ONLY

**6** OPTIONAL SERVICES ☐ SATURDAY PICKUP See instructions. ☒ SATURDAY DELIVERY See instructions. ☐ DECLARED VALUE FOR CARRIAGE For declared value over \$100, see instructions. \$ \_\_\_\_\_ AMOUNT ☐ C.O.D. If C.O.D., enter amount to be collected and attach completed UPS C.O.D. tag to package. \$ \_\_\_\_\_ AMOUNT

**7** ADDITIONAL HANDLING CHARGE ☐ An Additional Handling Charge applies for certain items. See instructions. \$ \_\_\_\_\_

**8** METHOD OF PAYMENT ☒ BILL SHIPPER'S ACCOUNT NUMBER (IN SECTION 1) ☐ BILL RECEIVER DOMESTIC ONLY ☐ BILL THIRD PARTY ☐ CREDIT CARD American Express Diner's Club MasterCard Visa ☐ CHECK

**9** RECEIVER'S/THIRD PARTY'S UPS ACCT. NO. OR MAJOR CREDIT CARD NO. \_\_\_\_\_ EXPIRATION DATE \_\_\_\_\_

THIRD PARTY'S COMPANY NAME \_\_\_\_\_

STREET ADDRESS \_\_\_\_\_

CITY AND STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_

Shipper authorizes UPS to act as forwarding agent for export control and customs purposes. Shipper certifies that these commodities, technology or software, if exported from the United States, were exported in accordance with the Export Administration Regulations. Deviation contrary to law is prohibited.

**10** SHIPPER'S SIGNATURE **X** **Ch. H.** DATE OF SHIPMENT **9/27/12**

All shipments are subject to the terms contained in the UPS Tariff/Terms and Conditions of Service, which are available at [ups.com](http://ups.com) and local UPS offices.



# Drop-Off Package Receipt: 1 of 1

THIS IS NOT A SHIPPING LABEL. PLEASE SAVE FOR YOUR RECORDS.

DROP-OFF LOCATION:  
THE UPS STORE #2194  
1623 MILITARY RD  
Niagara Falls NY 14304

DROP-OFF DATE/TIME:  
Fri 28 Sep 2012 1:21 PM  
ESTIMATED PICKUP DATE:  
UPS (Air) Fri 28 Sep 2012 1 pkg

TOTAL PACKAGES: 1 pkg

TRACKING NUMBER	CARRIER & SERVICE	wt(lbs)
12153E792210023907	UPS Next Day	42.700

THIS RECEIPT LISTS EACH PACKAGE RECEIVED BY THE UPS STORE #2194 AND INDICATES THAT THE INFORMATION FOR EACH PACKAGE HAS BEEN TRANSMITTED TO EACH CARRIER'S DATA SYSTEM. THIS RECEIPT IS NOT CONFIRMATION THAT THE CARRIER HAS PICKED UP THE PACKAGES. TO VERIFY WHEN AND IF A PACKAGE HAS BEEN PICKED UP, ENTER ONE OF THE FOLLOWING WEB ADDRESSES IN YOUR BROWSER AND ENTER THE TRACKING NUMBERS LISTED ABOVE.

HTTP://THEUPSSTORE.COM (SELECT TRACKING, THEN ENTER TRACKING #)  
HTTP://HBE.COM (SELECT TRACKING, THEN ENTER TRACKING #)

YOU ACKNOWLEDGE THAT THE SHIPMENT SERVICES PROVIDED BY THE UPS STORE #2194 FOR THE LISTED PACKAGES ARE SUBJECT TO AND GOVERNED BY EACH CARRIER AGREEMENT, IF APPLICABLE, THE RATES AND SERVICE GUIDE FOR EACH CARRIER, AND THE TARIFF IN EFFECT AT THE TIME OF SHIPMENT.

Powered by iShip(r)  
09/28/2012 10:22 AM Pacific Time



SEE NOTICE ON REVERSE regarding UPS Terms, and notice of limitation of liability. Where allowed by law, shipper authorizes UPS to act as forwarding agent for export control and customs purposes. If exported from the US, shipper certifies that the commodities, technology or software were exported from the US in accordance with the Export Administration Regulations. Diversion contrary to law is prohibited.



SEE NOTICE ON REVERSE regarding UPS Terms, and notice of limitation of liability. Where allowed by law, shipper authorizes UPS to act as forwarding agent for export control and customs purposes. If exported from the US, shipper certifies that the commodities, technology or software were exported from the US in accordance with the Export Administration Regulations. Diversion contrary to law is prohibited.

Powered by iShip(r)  
09/28/2012 11:24 AM Pacific Time

THIS RECEIPT LISTS EACH PACKAGE RECEIVED BY THE UPS STORE #2194 AND INDICATES THAT THE INFORMATION FOR EACH PACKAGE HAS BEEN TRANSMITTED TO EACH CARRIER'S DATA SYSTEM. THIS RECEIPT IS NOT CONFIRMATION THAT THE CARRIER HAS PICKED UP THE PACKAGES. TO VERIFY WHEN AND IF A PACKAGE HAS BEEN PICKED UP, ENTER ONE OF THE FOLLOWING WEB ADDRESSES IN YOUR BROWSER AND ENTER THE TRACKING NUMBERS LISTED ABOVE.

HTTP://THEUPSSTORE.COM (SELECT TRACKING, THEN ENTER TRACKING #)  
HTTP://HBE.COM (SELECT TRACKING, THEN ENTER TRACKING #)

YOU ACKNOWLEDGE THAT THE SHIPMENT SERVICES PROVIDED BY THE UPS STORE #2194 FOR THE LISTED PACKAGES ARE SUBJECT TO AND GOVERNED BY EACH CARRIER AGREEMENT, IF APPLICABLE, THE RATES AND SERVICE GUIDE FOR EACH CARRIER, AND THE TARIFF IN EFFECT AT THE TIME OF SHIPMENT.

# Drop-Off Package Receipt: 1 of 1

THIS IS NOT A SHIPPING LABEL. PLEASE SAVE FOR YOUR RECORDS.

DROP-OFF LOCATION:  
THE UPS STORE #2194  
1623 MILITARY RD  
Niagara Falls NY 14304

DROP-OFF DATE/TIME:  
Thu 27 Sep 2012 6:27 PM  
ESTIMATED PICKUP DATE:  
UPS (Air) Thu 27 Sep 2012 1 pkg

TOTAL PACKAGES: 1 pkg

TRACKING NUMBER	CARRIER & SERVICE	wt(lbs)
12153E792210024362	UPS Next Day	21.840

THIS RECEIPT LISTS EACH PACKAGE RECEIVED BY THE UPS STORE #2194 AND INDICATES THAT THE INFORMATION FOR EACH PACKAGE HAS BEEN TRANSMITTED TO EACH CARRIER'S DATA SYSTEM. THIS RECEIPT IS NOT CONFIRMATION THAT THE CARRIER HAS PICKED UP THE PACKAGES. TO VERIFY WHEN AND IF A PACKAGE HAS BEEN PICKED UP, ENTER ONE OF THE FOLLOWING WEB ADDRESSES IN YOUR BROWSER AND ENTER THE TRACKING NUMBERS LISTED ABOVE.

HTTP://THEUPSSTORE.COM (SELECT TRACKING, THEN ENTER TRACKING #)  
HTTP://HBE.COM (SELECT TRACKING, THEN ENTER TRACKING #)

YOU ACKNOWLEDGE THAT THE SHIPMENT SERVICES PROVIDED BY THE UPS STORE #2194 FOR THE LISTED PACKAGES ARE SUBJECT TO AND GOVERNED BY EACH CARRIER AGREEMENT, IF APPLICABLE, THE RATES AND SERVICE GUIDE FOR EACH CARRIER, AND THE TARIFF IN EFFECT AT THE TIME OF SHIPMENT.

Powered by iShip(r)  
09/27/2012 03:38 PM Pacific Time



SEE NOTICE ON REVERSE regarding UPS Terms, and notice of limitation of liability. Where allowed by law, shipper authorizes UPS to act as forwarding agent for export control and customs purposes. If exported from the US, shipper certifies that the commodities, technology or software were exported from the US in accordance with the Export Administration Regulations. Diversion contrary to law is prohibited.

# Drop-Off Package Receipt: 1 of 1

THIS IS NOT A SHIPPING LABEL. PLEASE SAVE FOR YOUR RECORDS.

DROP-OFF LOCATION:  
THE UPS STORE #2194  
1623 MILITARY RD  
Niagara Falls NY 14304

DROP-OFF DATE/TIME:  
Fri 28 Sep 2012 2:24 PM  
ESTIMATED PICKUP DATE:  
UPS Fri 28 Sep 2012 1 pkg

TOTAL PACKAGES: 1 pkg

TRACKING NUMBER	CARRIER & SERVICE	wt(lbs)
<2028543871	UPS Ground	13.560

X-Ray Detection for Metal Concentrations (Units in PPM)

Date	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28
Location	SS1	SS2	SS3	SS4	SS5	SS6	SS7	SS8	SS9	SS10
As	12	9.1	ND	ND	39	21	5	9	17	517
Pb	138	26.7	43.2	38.6	34.6	133	40.1	200	108	27.1
Cu	<del>152</del>	90	ND	107	112	112	92	190	191	57
Cr	56	ND	119	52	46	117	ND	183	174	ND
Cd	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn	246	127	176	157	137	259	168	381	507	28
Ni	ND	ND	35	27	24	24	ND	31	59	22

**X-Ray Detection for Metal Concentrations (Units in PPM)**

Date	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28
Location	SS11	SS12	SS13	SS14	SS15	SS16	SS17	SS18	SS19	SS20
Arsenic	9	4.7	ND	3.8	4.2	6.3	ND	41	11	1.7
Lead	81	32.6	26.6	27.2	39.6	28.3	244	382	78	2
Copper	141	172	80	73	105	90	72	96	175	8
Chromium	151	131	ND	ND	ND	ND	ND	106	108	18
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	9	8.1	ND	ND	ND	ND	ND	54	ND	2
Zinc	251	216	288	142	189	148	277	499	319	6
Nickel	46	46	ND	ND	34	28	22	ND	36	8

**X-Ray Detection for Metal Concentrations (Units in PPM)**

Date	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28
Location	SS21	SS22	SS23	SS24	SS25	SS26	SS27	SS28	SS29	SS30
Arsenic	ND	ND	3.6	5.1	ND	4.9	ND	ND	ND	
Lead	47.9	68	29.3	64.5	32	29.1	150	199	134	
Copper	57	119	80	83	83	64	125	236	108	
Chromium	68	100	72	127	ND	ND	ND	101	54	
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	392	196	124	169	137	113	235	305	159	
Nickel	26	ND	ND	ND	26	ND	ND	38	26	

## Radiation Detection Results

(kC/m)

Background at (2.6 kC/m)

Date	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28
Location	SS1	SS2	SS3	SS4	SS5	SS6	SS7	SS8	SS9	SS10
Alpha/Beta										
Gamma	1.89	1.68	1.54	2.01	2.43	1.89	2.15	3.12	2.12	1.54

Date	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28
Location	SS11	SS12	SS13	SS14	SS15	SS16	SS17	SS18	SS19	SS20
Alpha/Beta										
Gamma	3.16	2.65	2.76	1.57	1.71	3.99	1.52	2.79	2.77	3.19

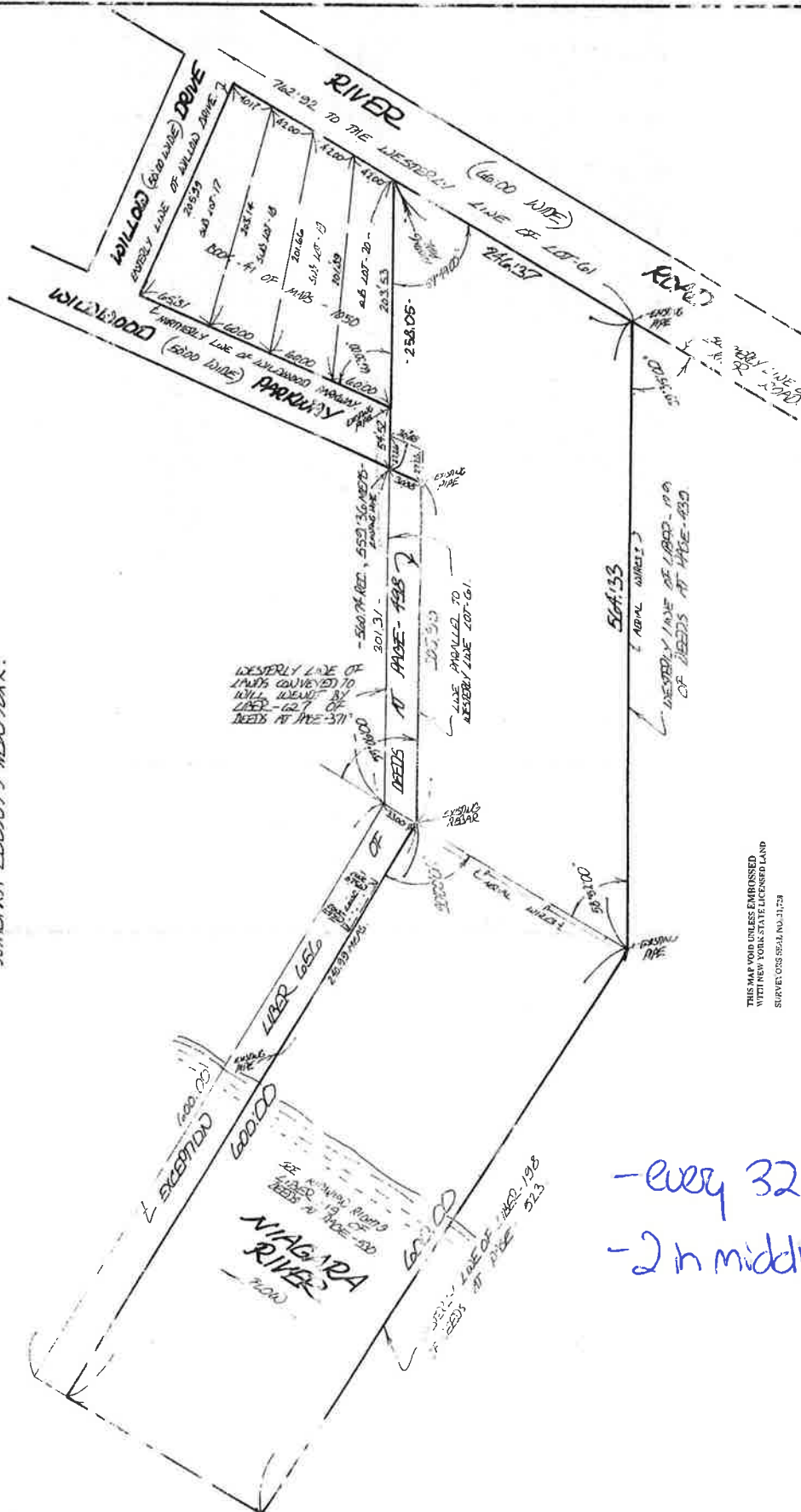
Date	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28	9-28
Location	SS21	SS22	SS23	SS24	SS25	SS26	SS27	SS28	SS29	SS30
Alpha/Beta										
Gamma	2.02	1.29	1.93	1.64	2.47	1.85	3.13	2.51	1.82	



- Entire circle is  $\sim 780$  steps
- 24 samples is 1 sample every  $\sim 32$  steps
- 3 middlecuts in circle; each at  $\sim 40$  steps
- 2 samples per middle cut; 1 sample  $\sim 10$  steps into each cut

ALTERING ANY ITEM ON THIS MAP IS IN VIOLATION OF THE LAW, EXCEPTING AS PROVIDED IN SECTION 13059 PART 2 OF THE NEW YORK STATE EDUCATION LAW.

PREMISES SITUATED IN  
PART OF LOT 60,  
OF THE NEW YORK STATE RESERVATION,  
TOWN OF WHEATFIELD,  
NASSAU COUNTY NEW YORK.



THIS MAP VOID UNLESS EMBOSSED  
WITHIN NEW YORK STATE LICENSED LAND  
SURVEYOR'S SEAL, NO. 11 778

- every 32 feet (24)
- 2 in middlerows (6)

## RE-SURVEY

## RE-SURVEY

## RE-SURVEY

**INDEPENDENT**  
**CIVIL ENGINEERS & LAND SURVEYORS**  
1825 LIBERTY BLDG.  
437 MAIN STREET  
BUFFALO, N.Y. 14202

*[Signature]*

Year	0.08	0.17	0.35	0.75	0.93	1.00
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# CHEMTECH

284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax (908) 789-8922

www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number

024694

## CHAIN OF CUSTODY RECORD

### CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY:

ADDRESS:

CITY:

ATTENTION:

PHONE:

### CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.:

PROJECT MANAGER:

e-mail:

PHONE:

### CLIENT BILLING INFORMATION

BILL TO:

ADDRESS:

CITY:

ATTENTION:

ANALYSIS

### DATA TURNAROUND INFORMATION

FAX:

HARD COPY:

EDD:

PREAPPROVED TAT:

\* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DAYS \*

DAYS \*

DAYS \*

### DATA DELIVERABLE INFORMATION

LEVEL 1: Results only

LEVEL 2: Results + QC

LEVEL 3: Results (plus results raw data) + QC

LEVEL 4: Results + QC (all raw data)

EDD Format:

### PRESERVATIVES

### COMMENTS

Specify Preservatives  
A-HCl B-HNO<sub>3</sub>  
C-H<sub>2</sub>SO<sub>4</sub> D-NaOH  
E-ICE F-Other

CHEMTECH  
SAMPLE  
ID

PROJECT  
SAMPLE IDENTIFICATION

SAMPLE  
MATRIX

SAMPLE  
TYPE

SAMPLE  
COLLECTION

# OF BOTTLES

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## CHAIN OF CUSTODY RECORD

**284 Sheffield Street - Mountainside, NJ 07092**

**Fax (908) 789-8922**

[www.chemtech.net](http://www.chemtech.net)

CHEMTECH PROJECT NO.

NOTE NO

COC Number 071607

024687

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: LeBelka

ADDRESS: 300 Pearl St, Suite 325

CITY: Buffalo STATE: NY ZIP: 14202

ATTENTION: Chris Hines

PHONE: 716-551-6281 FAX: 716-551-6282

CLIENT PROJECT INFORMATION

PROJECT NAME: 22505 - River Rd

PROJECT NO.: 22505 LOCATION: River Rd

PROJECT MANAGER: Dan River

e-mail: danriver@wblkape.com

PHONE: 716-551-6281 FAX: 716-551-6282

CLIENT BILLING INFORMATION

BILL TO: LeBelka PO#: 22505

ADDRESS: 300 Pearl St, Suite 325

CITY: Buffalo STATE: NY ZIP: 14202

ATTENTION: Dan River PHONE: 716-551-6281

DATA TURNAROUND INFORMATION

FAX: \_\_\_\_\_ DAYS \*  
HARD COPY: \_\_\_\_\_ DAYS \*  
EDD: Standard Turn DAYS \*  
PREAPPROVED TAT: ☐ YES ☐ NO  
\* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only ☐ Others \_\_\_\_\_  
☐ LEVEL 2: Results + QC  
☐ LEVEL 3: Results (plus results raw data) + QC  
☐ LEVEL 4: Results + QC (all raw data)  
☒ EDD Format: \_\_\_\_\_

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	5541	501	X	8	8/11/02	2pm	2	X	X	X	X	X	X	X	X	X	X	1402, 1802
2.	5542	501	X	8	8/11/02	2pm	2	X	X	X	X	X	X	X	X	X	X	
3.	5543	501	X	8	8/11/02	2pm	2	X	X	X	X	X	X	X	X	X	X	
4.	5544	501	X	8	8/11/02	2pm	2	X	X	X	X	X	X	X	X	X	X	
5.	5545	501	X	8	8/11/02	2pm	2	X	X	X	X	X	X	X	X	X	X	
6.	5546	501	X	8	8/11/02	2pm	2	X	X	X	X	X	X	X	X	X	X	
7.	5547	501	X	8	8/11/02	2pm	2	X	X	X	X	X	X	X	X	X	X	
8.	5548	501	X	8	8/11/02	2pm	2	X	X	X	X	X	X	X	X	X	X	
9.	5549	501	X	8	8/11/02	2pm	2	X	X	X	X	X	X	X	X	X	X	
10.	5550	501	X	8	8/11/02	2pm	2	X	X	X	X	X	X	X	X	X	X	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

REINQUISHED BY: SAMPLER:	DATE/TIME:	RECEIVED BY:	REINQUISHED BY:	DATE/TIME:	RECEIVED BY:
1.	8/11/02	1.			
2.		2.			
3.					

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant

MeOH extraction requires an additional 4 oz jar for percent solid.

Cooler Temp. \_\_\_\_\_

Ice in Cooler?: \_\_\_\_\_

Comments:

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT

CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO



### CLIENT INFORMATION

REPORT TO BE SENT TO:

### CLIENT PROJECT INFORMATION

### CLIENT BILLING INFORMATION

COMPANY: Labella  
ADDRESS: 300 Pearl St, Suite 305  
CITY: Buffalo STATE: NY ZIP: 14202  
ATTENTION: Chris Vinko  
PHONE: 716-551-1281 FAX: 716-551-1282

PROJECT NAME: 212505-River Rd  
PROJECT NO.: 212505 LOCATION: River Rd.  
PROJECT MANAGER: Dan Rives  
e-mail: drives@labella.com  
PHONE: 716-551-1281 FAX: 716-551-1282

BILL TO: Labella PO#: 212505  
ADDRESS: 300 Pearl St, Suite 305  
CITY: Buffalo STATE: NY ZIP: 14202  
ATTENTION: Dan Rives PHONE: 716-551-1281

### DATA TURNAROUND INFORMATION

### DATA DELIVERABLE INFORMATION

FAX: \_\_\_\_\_ DAYS \*  
HARD COPY: \_\_\_\_\_ DAYS \*  
EDD: Standard Turn \_\_\_\_\_ DAYS \*  
PREAPPROVED TAT: ☐ YES ☐ NO  
\* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

☐ LEVEL 1: Results only ☐ Others \_\_\_\_\_  
☐ LEVEL 2: Results + QC  
☐ LEVEL 3: Results (plus results raw data) + QC  
☐ LEVEL 4: Results + QC (all raw data)  
☐ EDD Format: \_\_\_\_\_

### PRESERVATIVES

### COMMENTS

CHEMTECH  
SAMPLE  
ID

PROJECT  
SAMPLE IDENTIFICATION

SAMPLE  
MATRIX

SAMPLE  
TYPE

COMP

GRAB

DATE

TIME

# OF BOTTLES

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53.

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

RELINQUISHED BY:

DATE/TIME:

RECEIVED BY:

RELINQUISHED BY:

DATE/TIME:

RECEIVED FOR LAB BY:

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant  
MeOH extraction requires an additional 4 oz jar for percent solid.

Cooler Temp. \_\_\_\_\_  
Ice in Cooler?: \_\_\_\_\_

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT  
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

Page \_\_\_\_\_ of \_\_\_\_\_

**Land Survey Order Form**  
**KLETTKE LAND SURVEYORS, P.C.**

Neal R. Klettke, L.S. – Matthew F. Klettke, L.S.  
2470 Stoelting St. (Bergholz), Niagara Falls, N.Y. 14304  
(716)731-5613 FAX (716)731-9607

Date: 9/21/2012

Property Owner: **Town of Wheatfield**

Property Address: **Vacant Parcels - 2020 River Road, Niagara Falls, NY 14304**

Tax Map Info - Municipality: **Town of Wheatfield** S.B.L. No's.: **174.07-3-6 through 174.07-3-9**

Requested By (Client): **LaBella Associates, P.C.**

Mailing Address: **300 Pearl Street, Buffalo, NY 14202**

**Purpose Of Survey** (check all that apply):

- ☐ pending sale   ☐ pending mortgage   ☐ pending construction  
☐ municipal subdivision or zoning requirements   ☐ boundary dispute  
☒ other (describe): **Environmental investigation of overall site.**

**Type of Survey** - Failure to specify the correct type of survey can result in substantial delays and cost over-runs due to duplicitous effort required. Persons ordering surveys are urged to consult other involved parties (lenders, title companies, etc.) to verify type of survey required before completing this form.

(check one):

- ☐ Niagara Frontier Land Surveyor Association (NFLSA) Code  
☐ 2010 American Land Title Assoc. / American Congress on Surveying & Mapping (ALTA/ACSM)  
Code - list Table A optional requirements by number (2 through 20; monumentation option 1 is mandated by local NFLSA Code): \_\_\_\_\_

☒ Other (describe): **Office research and field reconnaissance of outer-most boundaries of composite of 4 tax parcels listed. Current deed and Klettke office survey records will be investigated prior to field survey activities. Field efforts will be limited to scouting for existing survey boundary markers and other evidence in accordance with survey records. Since the current need is for approximate ( $\pm 10'$ ) boundary determination, post-field work analysis of findings versus title information is not included in this proposal. Standard orange flagging will be tied to vegetation or lath along perimeter boundaries so approximated, at intervals sufficient for intervisibility for client's current purposes. Client shall make owner aware that the Klettke firm will not be responsible for any further use of boundaries so marked, unless further engaged to perform boundary analysis and provide mapping in accordance with standards stipulated in survey codes of practice listed above.**

**Reference Material** (provided by Client per Code requirements):

- ☐ Title Abstract by Title Company: \_\_\_\_\_  
Abstract No: \_\_\_\_\_ check one: ☐ original / ☐ photocopy  
Set-out No's. \_\_\_\_\_ through \_\_\_\_\_ Dates: \_\_\_\_\_ - \_\_\_\_\_  
☒ Current Deed copy – Liber: **3385** Page(s): **0237**  
☐ Copies of Pertinent Easements, etc. (not in Abstract), list:  
Liber: \_\_\_\_\_ Page: \_\_\_\_\_ Benefiting: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**KLETTKE LAND SURVEYORS, P.C.**

**Land Survey Order Form - page 2**

**Client/Owner: LaBella Associates, P.C. / Town of Wheatfield**

**Address/SBLNo: 2020 River Road - T/Wheatfield 174.07-3-6 through 174.07-3-9**

**Date: 9/21/2012**

**Reference Material (cont.)**

<b><u>X Prior Survey(s) by</u></b>	<b><u>Job No.</u></b>	<b><u>Date(s)</u></b>
Klettke:	<u>Various</u>	<u>Various</u>
Keller:	<u>Various</u>	<u>Various</u>
Haseley:	<u>Various</u>	<u>Various</u>
Quinn:	<u>Various?</u>	
Other:		

Note: Failure to provide pertinent title information, etc. May result in substantial delays and cost over-runs due to duplicitous efforts and field and office work after initial map issue.

**Other Instructions:** \_\_\_\_\_

**Estimated Completion Date** flagged (approx..) boundaries: 7 days from receipt of signed acceptance of this proposal (together with any additional reference material) as notice to proceed. (Schedule is dependent on timely acceptance, weather and other factors listed here-in).

**Cost Estimate**

Survey Fee Range: **\$950.00 to \$1150.00, invoiced upon completion of perimeter flagging.**

**Total due within 15 days of invoice.**

Surveyor Signature: Neal R. Klettke Date: 9-21-2012

Print Name: Neal R. Klettke

**Acceptance of Proposal**

As owner(s) of the above property (or duly authorized agent of owner(s), I hereby authorize Klettke Land Surveyors, P.C. to proceed with a land survey of the above defined property as specified here-in:

Client Signature: Daniel Riker Date: 9/21/12

Print Name: DANIEL RIKER

**ABELLA**  
Associates, P.C.

300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP - 1  
SHEET 1 OF 1  
JOB: 212505  
CHKD BY: CK

CONTRACTOR: ~~Reese~~ Nature's Way  
OPERATOR:  
ABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: #1  
GROUND SURFACE ELEVATION NA  
START DATE:

DATUM: NA  
11-26-12

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			Brown (fill material) (soil)	0.1	lots of glass
2			Black (soil) (fill material)	0.2	
4			Black silty clay (p.s.m.)	0.2	
6			Grey Brown clay (p.s.m.)	0.1	
8			Brown clay (p.h.m.)	0.1	
10					
12					
14					
16					

-fill from 0-4'  
-no odors  
-staining 2-4'

WATER LEVEL DATA			DEPTH (FT)		NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	
NA	NA	NA	NA		ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP - 1

**LABELLA**  
Associates, P.C.

300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP - 2

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: #2

GROUND SURFACE ELEVATION NA

START DATE: 11-26-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			<del>Light brown silt</del> 0-2' Light brown fill (soil)	0.1	
2			2-3' " 3-4' Dark brown fill (soil)	0.1	
			4-6' "	0.1	
			6-8 Grey silty clay (mp, ms, n)	0.1	
8			8-10 Red-grey clay (hp, stiff, n)	0.1	
10			- fill to 6' (no debris) - no odors just not native material		
12					
14					
16					

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP - 2





300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP- #3

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: #3

GROUND SURFACE ELEVATION: NA

DATUM: NA

START DATE: 11-26-12

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-2 Light Brown fill (soil)	0.1	
2			2-4 Black fill (soil)	0.2	
			4-6 Grey brown silt (mp, ol, m) slight odor	0.4	
			6-8 Grey silt (mp, ol, m) slight odor	0.3	
8			8-10 "	0.6	
10			fill 0-4'		
12			- slight odor 4-10'		
14			- no debris in fill; just not native material		
16					

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP- #3





300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP - #4

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: #4

GROUND SURFACE ELEVATION: NA

DATUM: NA

START DATE: 11-26-12

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-2 Light Brown (soil) fill	0.1	0
2			2-4 Black (soil) fill	0.2	2
			4-6 Grey brown silt (mp.hm)	0.1	4
			6-8 Grey silt (mp.hm)	0	6
8			8-10"	0	8
10			- fill to 4'		10
12			- no debris, just not native material		12
14			- no odors		14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP - #4



300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP - #5

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: #5

GROUND SURFACE ELEVATION: NA

DATUM: NA

START DATE: 11-26-12

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-2 Light brown (soil) fill	0.1	
2			2-4 Brown-black (soil) fill	0.2	
			4-6 Grey silt (mp, ms, m)	0.2	
			6-8 "	0.1	
8			8-10 "	0.3	
10			- fill to 4' - no debris just not native material  - no odors		
12					
14					
16					

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP - #5



300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP-#6

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: #6

GROUND SURFACE ELEVATION: NA

START DATE: 11-26-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-2 Black (soil) fill	0.1	
2			2-4 Light Black (soil) fill	0.2	
			4-5 Brown grey silt (mp, l.m.)	0.2	
			5-6 Brown black silt (mp, l.m.)		
			6-8 Grey silt (lp, stiff, m.)	0.1	
8			"	0.3	
10			- fill to 4' - no debris, just not native material		
12					
14					
16					

WATER LEVEL DATA			DEPTH (FT)		NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	
NA	NA	NA	NA		ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP-#6



300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP - #7

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: #7

GROUND SURFACE ELEVATION NA

DATUM: NA

START DATE: 11-26-12

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-2' Red brown (soil) fill	0.2	0
2			2-4- Black (soil) fill	petroleum odors 0.3	2
			4-5- "		4
			5-6 Brown grey silt (mp, ms, m)	odors 0.2	6
			6-8 Grey silt (lp, ms, m)	0.2	8
8			8-10- "	0.1	10
10			10-4' - fill		12
12			- no debris just not native material		14
14			- staining/odor 2-6'		16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP - #7

# LABELLA

Associates, P.C.

300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

## PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP - #8

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: #8

GROUND SURFACE ELEVATION: NA

START DATE: 11-26-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			Black-brown 0-2 Fill + debris bricks, misc. debris	0.2	
2			2-4 SAA	0.1	
			4-6 Brown grey silt (p.i.w)	0.2	
			6-8 SAA	0.1	
8			8-10 Grey silt (p.i.w)	0.1	
10			- Fill 0-4'		
12			- Fill included brick, misc. debris		
14			- no obs		
16					

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA		4'	ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

## GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP - #8



300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP-~~19~~ <sup>19</sup>

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: ~~H9~~ <sup>H9</sup>

GROUND SURFACE ELEVATION: NA

DATUM: NA

START DATE: 11-26-12

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			Black-brown Fill Brick drums, misc. debris	2.1	
2			2-4"	0.1	
			4-6 - Drums, possible tank, debris	0.1	
			- stopped excavating @ 6'		
8					
10					
12			- Fill debris to 6', possible tank, stop excavation @ 6' hole		
14			- no odors		
16					

WATER LEVEL DATA			DEPTH (FT)			NOTES: ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP-~~19~~ <sup>19</sup>

**ABELLA**  
Associates, P.C.

300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP - #10

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: #10

GROUND SURFACE ELEVATION: NA

DATUM: NA

START DATE: 11-26-12

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			Black-brown-red-grey 0-2 Fill (Brick, debris, misc. rock)	0.1	
2			2-4 - "	0.2	
			4-6 "	0.2	
			6-8 Black silt (lp, ms, w)	0	Slight odor
8			8-10 Grey silt (lp, stib, w)	0.1	
10			- fill to 0-6' - lots of brick, debris, misc. rock - slight odor		
12					
14					
16					

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA		6	

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP - #10

**LABELLA**  
Associates, P.C.

300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP - ~~411~~  
SHEET 1 OF 1  
JOB: 212505  
CHKD BY: CK

CONTRACTOR: Russo  
OPERATOR:  
LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: 411  
GROUND SURFACE ELEVATION: NA  
START DATE: 11-27-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-2' - Brown silt (hp, soft, m) possible fill	0.1	
2			2-4' - Black (soil) fill	0.1	
			4-6' Brown silt (mp, ms, m) possible fill	0.2	
			6-7' SAA		
			7-8' - Grey clay (lp, stiff, m)	0.1	
8			8-10 SAA	0	
10			- fill to 0-10' (possibly) - no debris just not native soil		
12			- no rocks		
14			- Some kind of wood foundation 4' down ; stepped excavation, moved a few feet to the west		
16					

WATER LEVEL DATA			DEPTH (FT)		NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	
NA	NA	NA	NA		ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP - ~~411~~



**ABELLA**  
Associates, P.C.

300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP-~~#1~~2

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: #12

GROUND SURFACE ELEVATION: NA

START DATE: 11-27-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-2 Light brown (soil) fill	0.6	
2			2-4 - Brown-grey-red (soil) fill debris brick misc. rock	0.8	
			4-6"	1.3	
			6-8 Grey clay (p, ms, m)	2.4	
8			8-10"	0.7	
10			- Fill 0-6' debris, brick, misc. rock		
12			- Slight odors 2-6'		
14					
16					

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP-~~#1~~2

**LABELLA**

Associates, P.C.

300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

## PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP-13

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: 13

GROUND SURFACE ELEVATION: NA

START DATE: 11-27-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-2 Light Brown (soil) possibly fill	0.1	0
2			2-4 "	0.6	2
			4-6 " and pockets of red clay tiles buried (perched water)	0.8	4
			6-7 "	1.2	6
			7-8 Grey clay (p, stib, m)		8
8			8-10 "	0.8	8
10			- Fill 0-6' including red clay tiles		10
12			- perched water 4-6'		12
14			- no odors		14
16					16

## DEPTH (FT)

## NOTES:

## WATER LEVEL DATA

## BOTTOM OF

## BOTTOM OF

## GROUNDWATER

ND = Non Detect

DATE

TIME

ELAPSED TIME

CASING

TEST PIT

ENCOUNTERED

BGS = Below the Ground Surface

NA

NA

NA

NA

NA = Not Applicable

## GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP-13

# LABELLA

Associates, P.C.

300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

## PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP-#14

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: 14

GROUND SURFACE ELEVATION: NA

START DATE: 11-27-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-2 Light brown (soil) fill	0.3	
2			2-4 - "	0.4	
			4-6 Dark brown (soil) fill	0.2	
			6-8 Grey clay - piping 1" possible tank proximate?	0.1	
8			8-10 Grey clay (1p.m.m)	0.2	
10			Fill 0-6'		
12			-at least 2, 1" pipes @ 6-8'		
			-possible tank proximate		
14			-no odors, staining, evidence of product though		
16					

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

### GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP-14

**ABELLA**  
Associates, P.C.

300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP-15  
SHEET 1 OF 1  
JOB: 212505  
CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: 15  
GROUND SURFACE ELEVATION: NA  
START DATE: 11-27-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-2' Light brown red (soil) fill	0.1	
2			2-3-11		
			3-4- Black (soil) fill	0.3	
			4-6 Grey brown silt (hp, s, m)	0.3	
			6-8 Grey clay (p, ms, m)	0.2	
8			8-10 SAA	0.1	
10			-Fill 0-4' no debris just not native material		
12			-no odors		
14					
16					

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP-15

**ABELLA**  
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300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP-16

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: 16

GROUND SURFACE ELEVATION: NA

START DATE: 11-27-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-2 Black brown (soil) fill	1.1	
2			2-4 - "	0.3	
			4-6 Brown grey clay (lp, stiff, m)	0.2	
			6-8 - Grey clay (lp, stiff, m)	0	
8			8-10 - "	0.4	
10			Fill 0-4' no debris just not native material  -no ovals		
12					
14					
16					

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP-16



**LABELLA**  
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300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP - W17  
SHEET 1 OF 1  
JOB: 212505  
CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: #17  
GROUND SURFACE ELEVATION: NA  
START DATE: 11-27-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-2 Black gravel / asphalt fill	0.1	
2			2-4 - u	0.2	
			4-6 Grey clay (mp, ms, m)	0.2	
			6-8 - u	0.1	
8			8-10"	0.2	
10			- Fill to 0-4' (all asphalt, gravel)		
12			- no odors		
14					
16					

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP - W17

# LABELLA

Associates, P.C.

300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

## PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP - 18

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: 18

GROUND SURFACE ELEVATION NA

START DATE: 11-27-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-0.6 - fill (black)		
			0.6 - concrete		
2			0-4 - " substance		
			4-6 Brown clay (hp, soft, n)	0.1	
			6-8 Brown grey clay (mp, ms, n)	0	
			8-10 Grey clay (lp, stiff, n)	0.6	
8				0.4	
10					
12					
14					
16					

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			

## GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP - 18

<b>ABELLA</b> Associates, P.C. 300 PEARL STREET, BUFFALO, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT <div style="border: 1px solid black; padding: 5px; display: inline-block;">           2020 River Road            Wheatfield, NY            Test Pit Study         </div>			TEST PIT: TP - 19 SHEET 1 OF 1 JOB: 212505 CHKD BY: CK			
			CONTRACTOR: Russo OPERATOR: LABELLA REPRESENTATIVE: Chris Kibler			TEST PIT LOCATION: 19 GROUND SURFACE ELEVATION: NA START DATE: 11-27-12			DATUM: NA
TYPE OF EQUIPMENT:									
DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS				
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)							
0			0-0.6 - Brown (soil) fill 1-2 Gravel fill	0.1					
2			0.6-1 - Concrete slab						
			1-2-4 Black (soil) fill	0.2					
			4-6 Brown silty clay (mp, ms, m)	0.4					
			6-8 Brown grey clay (mp, ms, m)	0.4					
8			8-10 Grey clay (lp, stiff, m)	0.1					
10			Fill 0-4' gravel 6" concrete slab - no odors						
12									
14									
16									
WATER LEVEL DATA			DEPTH (FT)			NOTES:			
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT		GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable		
NA	NA	NA	NA						
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER									
TEST PIT: TP - 19									

# LABELLA

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300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

## PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP - 20  
SHEET 1 OF 1  
JOB: 212505  
CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: 20

GROUND SURFACE ELEVATION: NA

START DATE: 11-27-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-0.6 - Brown (silty) fill		
			0.6-1 Concrete-like substance	0.1	
2			1-4 Black <del>fill</del> fill (gravelly)	0.2	
			4-6 Black grey clay (mp, mx, m)	0.2	
			6-8 Grey clay (p, st, b, m)	0.6	
8			8-10 "	0.4	
10			-Fill 0-4'		
12			-no odors		
14					
16					

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

## GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP - 20



# LABELLA

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ENVIRONMENTAL ENGINEERING CONSULTANTS

## PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP 21

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: 21

GROUND SURFACE ELEVATION: NA

START DATE: 11-27-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			0-0.6 Brown grey (soil) fill	0.1	0
2			0.6-1 Concrete like substance slab		2
			1-4 Black red brown (soil) fill	0.1	
			4-6 Grey silty clay (mp, ms, m)	0	4
			6-8 - Brown clay (lp, stiff, m)	0.2	6
8			8-10-11	0.1	8
10			Fill - 0-4' <del>concrete like substance</del>		10
12			-no odors		12
14					14
16					16

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
NA	NA	NA	NA			ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable

## GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP 21

<div style="text-align: center;"> <p><b>LABELLA</b> Associates, P.C.</p> <p>300 PEARL STREET, BUFFALO, NY ENVIRONMENTAL ENGINEERING CONSULTANTS</p> </div>			PROJECT <div style="border: 1px solid black; padding: 5px; display: inline-block;">           2020 River Road Wheatfield, NY Test Pit Study         </div>			TEST PIT: TP - 22 SHEET 1 OF 1 JOB: 212505 CHKD BY: CK		
			CONTRACTOR: Russo OPERATOR: LABELLA REPRESENTATIVE: Chris Kibler			TEST PIT LOCATION: 22 GROUND SURFACE ELEVATION: NA START DATE: 11-27-12		
TYPE OF EQUIPMENT:								
DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION			PID FIELD SCREEN (PPM)	REMARKS	
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)						
0			0-2 Brown red clay w/ brick, asphalt, (mp, soil, n) concrete chunks			0.1	0	
2			2-4 - "			0.2	2	
			4-6 - Appears to be bedrock			0	4	
			6-8 - "			0	6	
8			8-10 - "			0.1	8	
10			- Dig to 10' appear to be bedrock ~ 4' - fill mixed in last 4'				10	
12							12	
14							14	
16							16	
WATER LEVEL DATA			DEPTH (FT)			NOTES: ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED			
NA	NA	NA	NA					
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER								
TEST PIT: TP - 22								



300 PEARL STREET, BUFFALO, NY  
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

2020 River Road  
Wheatfield, NY  
Test Pit Study

TEST PIT: TP - 23

SHEET 1 OF 1

JOB: 212505

CHKD BY: CK

CONTRACTOR: Russo

OPERATOR:

LABELLA REPRESENTATIVE: Chris Kibler

TEST PIT LOCATION: 23

GROUND SURFACE ELEVATION NA

START DATE: 11-27-12

DATUM: NA

TYPE OF EQUIPMENT:

DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)			
0			Brown silt 0-10' (4pm) - apparent bedrock ~10'	0.1	
2			"	0.3	
			"	1.1	
			"	0.2	
8			"	0.3	
10			- no fill or debris suspected		
12					
14					
16					

DEPTH (FT)

NOTES:

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED
NA	NA	NA	NA		

ND = Non Detect

BGS = Below the Ground Surface

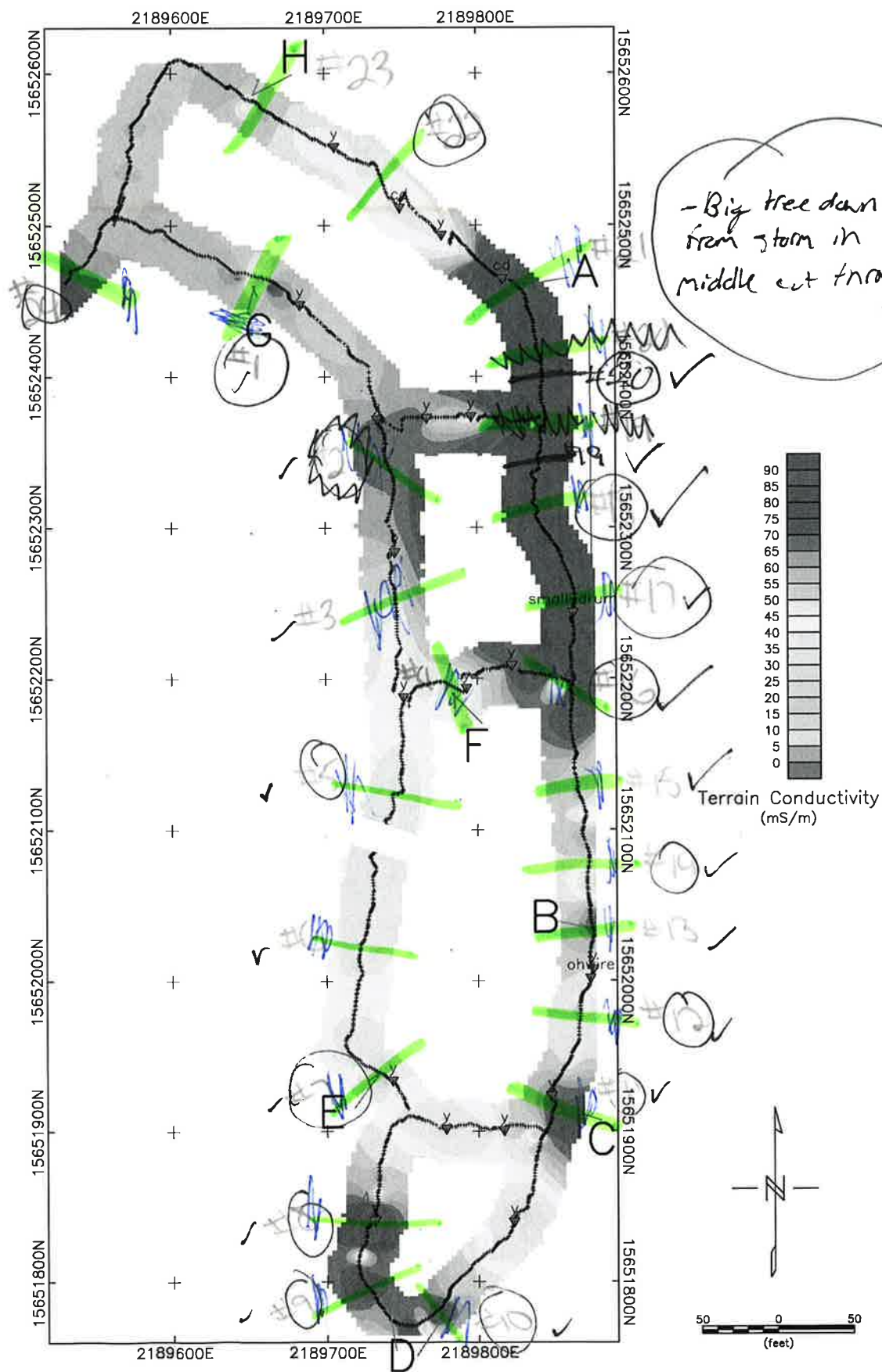
NA = Not Applicable

GENERAL NOTES

- 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
- 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

TEST PIT: TP - 23

<b>LABELLA</b> Associates, P.C. <small>300 PEARL STREET, BUFFALO, NY          ENVIRONMENTAL ENGINEERING CONSULTANTS</small>			PROJECT <div style="border: 1px solid black; padding: 5px; display: inline-block;">           2020 River Road            Wheatfield, NY            Test Pit Study         </div>			TEST PIT: TP - <b>24</b> SHEET 1 OF 1 JOB: 212505 CHKD BY: CK		
			CONTRACTOR: Russo OPERATOR: LABELLA REPRESENTATIVE: Chris Kibler			TEST PIT LOCATION: <b>24</b> GROUND SURFACE ELEVATION: NA START DATE: <b>11-27-12</b>		
TYPE OF EQUIPMENT:								
DEPTH (FEET)	SAMPLE		VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS			
	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET)						
0			0-2 Brown red (soil) fill	0.1	0			
2			2-4 Brown (soil) fill with mulch	0.3	2			
			4-6 Black (soil) fill (asphalt)	0.4	4			
			6-8"	0.2	6			
8			8-10 - Grey clay (mp, ms, m)	0.1	8			
10			Fill 0-8" mulch, red tile brick - no odors		10			
12					12			
14					14			
16					16			
WATER LEVEL DATA			DEPTH (FT)		NOTES:			
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	ND = Non Detect BGS = Below the Ground Surface NA = Not Applicable		
NA	NA	NA	NA					
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER								
						TEST PIT: TP - <b>24</b>		



A Geophysical anomaly (or anomalous area) discussed in report

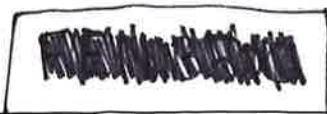


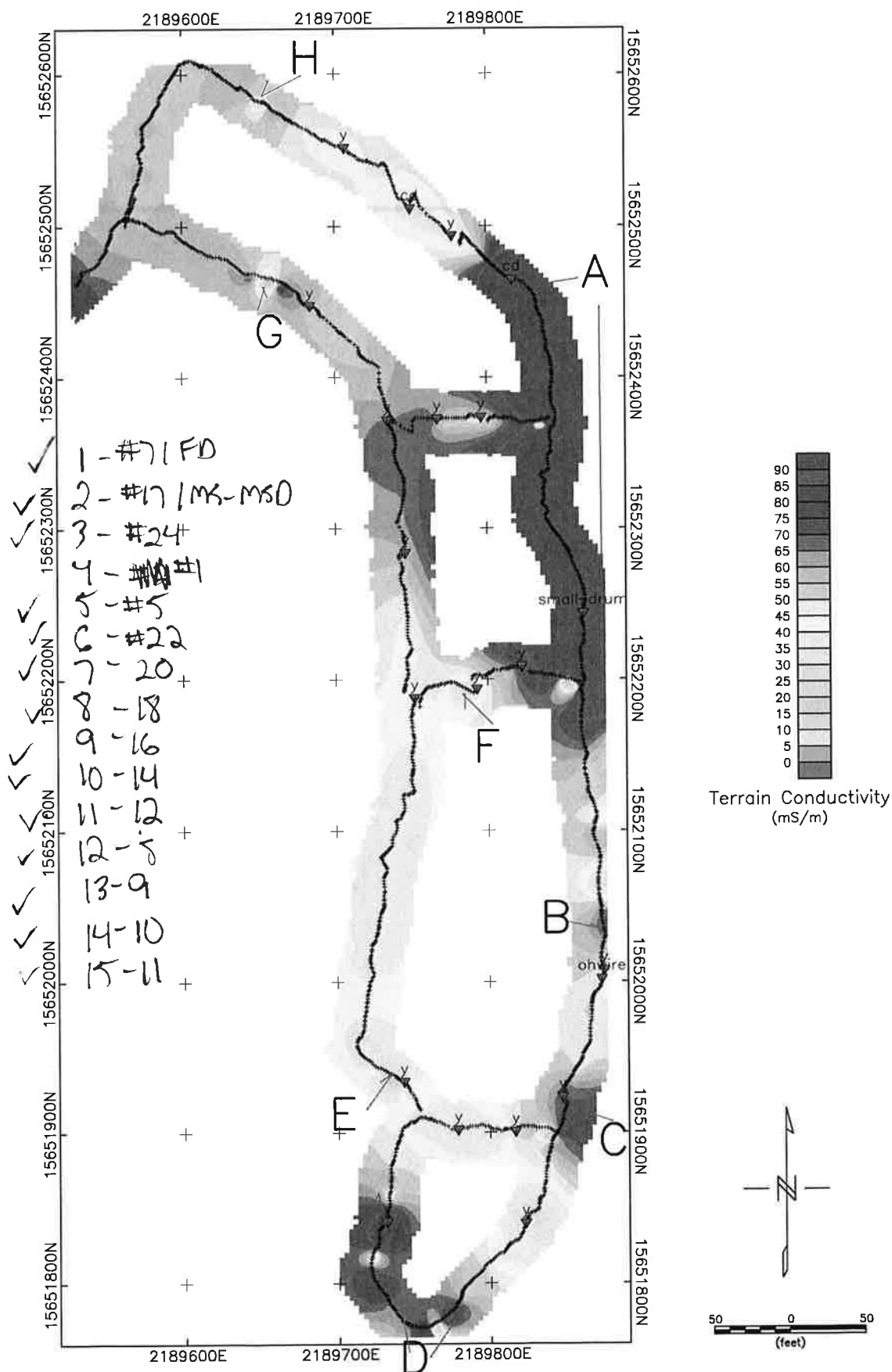
Figure 1

Geophysical Survey Results  
Color Contours of EM31 Data  
Terrain Conductivity (mS/m)

2020 River Road  
Wheatfield, NY  
LaBella Associates

AMEC (716) 565-0624





A Geophysical anomaly (or anomalous area) discussed in report

Figure 1

Geophysical Survey Results  
 Color Contours of EM31 Data  
 Terrain Conductivity (mS/m)

2020 River Road  
 Wheatfield, NY  
 LaBella Associates

AMEC (716) 565-0624

# Radiation Detection Results

Date	11-26	11-26	11-26	11-26	11-26	11-26	11-26	11-26	11-26	11-26
Location	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TP7/FD	TP8	TP9
Gamma	8.9	8.0	7.4	8.5	9.8	8.1	9.9	9.4	10.0	9.8

Date	11-26	11-27	11-27	11-27	11-27	11-27	11-27	11-27	11-27	11-27
Location	TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP17/ MS1/MS0	TP18
Gamma	11.0	10.0	9.0	8.4	10.0	9.3	10.0	10.0	9.0	8.1

Date	11-27	11-27	11-27	11-27	11-27	11-27				
Location	TP19	TP20	TP21	TP22	TP23	TP24				
Gamma	8.5	8.4	10.0	9.2	9.6	8.5				

Background Concentration read at 10



# CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092  
(908) 789-8900 Fax (908) 789-8922  
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 025394

## CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: LeBel's Products

ADDRESS: 300 Pearl St

CITY: Buffalo State

ATTENTION: Dan River

PHONE: 716-551-6281

## DATA TURNAROUND INFORMATION

FAX: \_\_\_\_\_ DAYS\*  
HARD COPY: \_\_\_\_\_ DAYS\*  
EOD: \_\_\_\_\_ DAYS\*

PREAPPROVED TAT: ☐ YES ☐ NO  
\* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

## CLIENT PROJECT INFORMATION

PROJECT NAME: 22505

PROJECT NO.: 22505

PROJECT MANAGER: Dan River

e-mail: drriver@bell.net

PHONE: \_\_\_\_\_

FAX: \_\_\_\_\_

## DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only ☐ Others  
☒ LEVEL 2: Results + QC  
☐ LEVEL 3: Results (plus results raw data) + QC  
☐ LEVEL 4: Results + QC (all raw data)  
☒ EDD Format:

## CLIENT BILLING INFORMATION

BILL TO:

ADDRESS:

CITY:

ATTENTION:

PHONE:

FAX:

## ANALYSIS

STATE: NY

ZIP: 14002

PO#: 22505

COMMENTS

← Specify Preservatives

A - HCl

B - HNO<sub>3</sub>

C - H<sub>2</sub>SO<sub>4</sub>

D - NaOH

E - ICE

F - Other

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

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1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9

## SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RECEIVED BY:

DATE/TIME:

1. 1/23/02

RECEIVED BY:

DATE/TIME:

2. 1/23/02

RECEIVED BY:

DATE/TIME:

3. 1/23/02

RELINQUISHED BY SAMPLER:

DATE/TIME:

1. 1/23/02

RELINQUISHED BY:

DATE/TIME:

2. 1/23/02

RELINQUISHED BY:

DATE/TIME:

3. 1/23/02

Cooler Temp.

Ice in Cooler?:

Conditions of bottles or coolers at receipt:

MeOH extraction requires an additional 4 oz jar for percent solid.

Comments:

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT

CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

Page 1 of 1

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

Revision 8/2007



### CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Labella Associates  
ADDRESS: 300 Pearl St  
CITY: Buffalo STATE: NY ZIP: 14202  
ATTENTION: Don River  
PHONE: 716-551-6251 FAX: 716-551-6282

### CLIENT PROJECT INFORMATION

PROJECT NAME: 22505 LOCATION: Liberty  
PROJECT NO.: 22505  
PROJECT MANAGER: Don River  
e-mail: driver@chemtech.net  
PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

### CLIENT BILLING INFORMATION

BILL TO: Labella Associates PO#: 22505  
ADDRESS: 300 Pearl St  
CITY: Buffalo STATE: NY ZIP: 14202  
ATTENTION: Don River PHONE: \_\_\_\_\_

### DATA TURNAROUND INFORMATION

FAX: \_\_\_\_\_ DAYS: \_\_\_\_\_  
HARD COPY: \_\_\_\_\_ DAYS: \_\_\_\_\_  
E-mail: \_\_\_\_\_ DAYS: \_\_\_\_\_  
PREAPPROVED TAT: ☐ YES ☐ NO  
\* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only ☐ Others \_\_\_\_\_  
☐ LEVEL 2: Results + QC  
☐ LEVEL 3: Results (plus results raw data) + QC  
☐ LEVEL 4: Results + QC (all raw data)  
☐ EDD Format: \_\_\_\_\_

### PROJECT IDENTIFICATION

CHEMTECH  
SAMPLE  
ID

SAMPLE MATRIX  
SAMPLE TYPE  
SAMPLE COLLECTION  
DATE  
TIME

# OF BOTTLES

### COMMENTS

← Specify Preservatives  
A - HCl B - HNO<sub>3</sub>  
C - H<sub>2</sub>SO<sub>4</sub> D - NaOH  
E - ICE F - Other

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_  
1. DATE/TIME: 11-27-02 1. \_\_\_\_\_  
RELINQUISHED BY: \_\_\_\_\_ RECEIVED BY: \_\_\_\_\_  
2. DATE/TIME: \_\_\_\_\_ 2. \_\_\_\_\_  
RELINQUISHED BY: \_\_\_\_\_ RECEIVED FOR LAB BY: \_\_\_\_\_  
3. DATE/TIME: \_\_\_\_\_ 3. \_\_\_\_\_

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant  
MeOH extraction requires an additional 4 oz jar for percent solid.  
Cooler Temp. \_\_\_\_\_  
Ice in Cooler?: \_\_\_\_\_

SHIPMENT COMPLETE: ☐ YES ☐ NO  
SHIPMENT VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT  
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Page \_\_\_\_\_ of \_\_\_\_\_

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY








**UPS Ground S.D.P.**  
Shipping Document

See instructions on back. Visit [UPS.com](http://UPS.com) or call 1-800-PICK-UPS® (800-742-5877) for additional information and Tariff/Terms and Conditions.

TRACKING NUMBER **K202 854 3880**

SHIPMENT FROM  
SHIPPER'S UPS ACCOUNT NO. **153E79**  
REFERENCE NUMBER **212505**  
NAME **Chris Hibler** TELEPHONE **716 873-2115**  
COMPANY **Labella Associates, PC**  
STREET ADDRESS **300 Pearl St. 325 Suite 1**  
CITY AND STATE **Buffalo, NY** ZIP CODE **14202**

DELIVERY TO  
NAME \_\_\_\_\_ TELEPHONE \_\_\_\_\_  
COMPANY \_\_\_\_\_ DEPT./FLR. \_\_\_\_\_  
STREET ADDRESS **Eco-Rental Solutions**  
**75 Rockwood St.** Residential Delivery ☐  
CITY AND STATE **Rochester, NY** ZIP CODE **14610**



**WEIGHT** WHOLE LBS. ONLY **11** **WEIGHT If Applicable** **PACKAGE** ☐ **RELEASE** ☐

**5 GROUND S.D.P. SHIPPING CHARGES** **CHARGES** \$

**6 OPTIONAL SERVICES** ☐ **DECLARED VALUE FOR CARRIAGE** \$ **AMOUNT** \$  
For declared value over \$100, see instructions.  
C.O.D. shipping may be available at [UPS.com](http://UPS.com)

**7 ADDITIONAL HANDLING CHARGE** ☐ An Additional Handling Charge applies for certain items. See instructions. \$

**8 TOTAL CHARGES** \$

**9 RECEIVER'S/THIRD PARTY'S UPS ACCT. NO. OR MAJOR CREDIT CARD NO.** **EXPIRATION DATE** / /

THIRD PARTY'S COMPANY NAME AND ADDRESS  
STREET ADDRESS  
CITY AND STATE ZIP CODE

**10 SHIPPER'S SIGNATURE** **X** **DATE OF SHIPMENT** **11/21/12**

All shipments are subject to the terms contained in the UPS Tariff/Terms and Conditions of Service, which are incorporated herein by reference, and are available at [UPS.com](http://UPS.com) and local UPS offices.

021285 1/10 RRD


**UPS Ground S.D.P.**  
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TRACKING NUMBER **K202 854 3899**

SHIPMENT FROM  
SHIPPER'S UPS ACCOUNT NO. **153E79**  
REFERENCE NUMBER **212505**  
NAME **Chris Hibler** TELEPHONE **716 873-2115**  
COMPANY **Labella Associates, PC**  
STREET ADDRESS **300 Pearl St. Suite 325**  
CITY AND STATE **Buffalo, NY** ZIP CODE **14202**

DELIVERY TO  
NAME \_\_\_\_\_ TELEPHONE \_\_\_\_\_  
COMPANY \_\_\_\_\_ DEPT./FLR. \_\_\_\_\_  
STREET ADDRESS **Eco-Rental Solutions**  
**75 Rockwood St.** Residential Delivery ☐  
CITY AND STATE **Rochester, NY** ZIP CODE **14610**



**WEIGHT** WHOLE LBS. ONLY **14** **WEIGHT If Applicable** **PACKAGE** ☐ **RELEASE** ☐

**5 GROUND S.D.P. SHIPPING CHARGES** **CHARGES** \$

**6 OPTIONAL SERVICES** ☐ **DECLARED VALUE FOR CARRIAGE** \$ **AMOUNT** \$  
For declared value over \$100, see instructions.  
C.O.D. shipping may be available at [UPS.com](http://UPS.com)

**7 ADDITIONAL HANDLING CHARGE** ☐ An Additional Handling Charge applies for certain items. See instructions. \$

**8 TOTAL CHARGES** \$

**9 RECEIVER'S/THIRD PARTY'S UPS ACCT. NO. OR MAJOR CREDIT CARD NO.** **EXPIRATION DATE** / /

THIRD PARTY'S COMPANY NAME AND ADDRESS  
STREET ADDRESS  
CITY AND STATE ZIP CODE

**10 SHIPPER'S SIGNATURE** **X** **DATE OF SHIPMENT** **11/21/12**

All shipments are subject to the terms contained in the UPS Tariff/Terms and Conditions of Service, which are incorporated herein by reference, and are available at [UPS.com](http://UPS.com) and local UPS offices.

021285 1/10 RRD

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TRACKING NUMBER 1Z 153 E79 22 1002 4344

1 SHIPMENT FROM  
SHIPPER'S UPS ACCOUNT NO. 153E79  
REFERENCE NUMBER 212505  
NAME Chris Kibler TELEPHONE 585-454-6110  
COMPANY LA BELLA ASSOC P C  
STREET ADDRESS 300 STATE ST SUITE 201  
CITY AND STATE ROCHESTER ZIP CODE NY 14614-1019

2 EXTREMELY URGENT DELIVERY TO  
NAME  
COMPANY Chemtech  
STREET ADDRESS 284 Sheffield St. DEPT./FLR. Residential Delivery  
CITY AND STATE (INCLUDE COUNTRY IF INTERNATIONAL) Mount Airy, NC ZIP CODE 27092

Barcode: 1Z 153 E79 22 1002 4344

3 WEIGHT LTR PAK WEIGHT 44 DIMENSIONAL WEIGHT If Applicable LARGE PACKAGE 4 SHIPPER RELEASE

5 TYPE OF SERVICE ☒ NEXT DAY AIR ☐ EXPRESS (INT'L)  
FOR INTERNATIONAL SHIPMENTS \$ CUSTOMS VALUE ☐ DOCUMENTS ONLY \$

6 OPTIONAL SERVICES ☐ SATURDAY PICKUP ☐ SATURDAY DELIVERY  
☐ DECLARED VALUE FOR CARRIAGE \$ AMOUNT \$  
☐ C.O.D. \$ AMOUNT \$

7 ADDITIONAL HANDLING CHARGE ☐ An Additional Handling Charge applies for certain items. See instructions. \$

8 METHOD OF PAYMENT ☒ BILL SHIPPER'S ACCOUNT NUMBER ☐ BILL RECEIVER ☐ BILL THIRD PARTY ☐ CREDIT CARD ☐ American Express ☐ Diner's Club ☐ MasterCard ☐ Visa ☐ CHECK

9 RECEIVER'S/THIRD PARTY'S UPS ACCT. NO. OR MAJOR CREDIT CARD NO. EXPIRATION DATE

THIRD PARTY'S COMPANY NAME  
STREET ADDRESS  
CITY AND STATE ZIP CODE

10 SHIPPER'S SIGNATURE X DATE OF SHIPMENT 11/27/12

0101911202609 1/10 S SHIPPER'S COPY

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UPS Worldwide Express®  
Shipping Document

See instructions on back. Visit UPS.com® or call 1-800-PICK-UPS® (800-742-5877) for additional information and UPS Tariff/Terms and Conditions.

TRACKING NUMBER 1Z 153 E79 22 1002 4353

1 SHIPMENT FROM  
SHIPPER'S UPS ACCOUNT NO. 153E79  
REFERENCE NUMBER 212505  
NAME Chris Kibler TELEPHONE 585-454-6110  
COMPANY LA BELLA ASSOC P C  
STREET ADDRESS 300 STATE ST SUITE 201  
CITY AND STATE ROCHESTER ZIP CODE NY 14614-1019

2 EXTREMELY URGENT DELIVERY TO  
NAME  
COMPANY Chemtech  
STREET ADDRESS 284 Sheffield St. DEPT./FLR. Residential Delivery  
CITY AND STATE (INCLUDE COUNTRY IF INTERNATIONAL) Mount Airy, NC ZIP CODE 27092

Barcode: 1Z 153 E79 22 1002 4353

3 WEIGHT LTR PAK WEIGHT 27 DIMENSIONAL WEIGHT If Applicable LARGE PACKAGE 4 SHIPPER RELEASE

5 TYPE OF SERVICE ☒ NEXT DAY AIR ☐ EXPRESS (INT'L)  
FOR INTERNATIONAL SHIPMENTS \$ CUSTOMS VALUE ☐ DOCUMENTS ONLY \$

6 OPTIONAL SERVICES ☐ SATURDAY PICKUP ☐ SATURDAY DELIVERY  
☐ DECLARED VALUE FOR CARRIAGE \$ AMOUNT \$  
☐ C.O.D. \$ AMOUNT \$

7 ADDITIONAL HANDLING CHARGE ☐ An Additional Handling Charge applies for certain items. See instructions. \$

8 METHOD OF PAYMENT ☒ BILL SHIPPER'S ACCOUNT NUMBER ☐ BILL RECEIVER ☐ BILL THIRD PARTY ☐ CREDIT CARD ☐ American Express ☐ Diner's Club ☐ MasterCard ☐ Visa ☐ CHECK

9 RECEIVER'S/THIRD PARTY'S UPS ACCT. NO. OR MAJOR CREDIT CARD NO. EXPIRATION DATE

THIRD PARTY'S COMPANY NAME  
STREET ADDRESS  
CITY AND STATE ZIP CODE

10 SHIPPER'S SIGNATURE X DATE OF SHIPMENT 11/27/12

0101911202609 1/10 S SHIPPER'S COPY

# Drop-Off Package Receipt: 1 of 1

THIS IS NOT A SHIPPING LABEL. PLEASE SAVE FOR YOUR RECORDS.

DROP-OFF LOCATION:  
THE UPS STORE #2194  
1623 MILITARY RD  
Niagara Falls NY 14304

DROP-OFF DATE/TIME:  
Tue 27 Nov 2012 4:57 PM

ESTIMATED PICKUP DATE:  
UPS Tue 27 Nov 2012 2 pkg  
UPS (Air) Tue 27 Nov 2012 2 pkg

TOTAL PACKAGES 4 pkg

TRACKING NUMBER	CARRIER & SERVICE	wt(lbs)
K2028543899	UPS Ground	14.000 MarkIt
K2028543880	UPS Ground	11.000 MarkIt
1Z153E792210024353	UPS Next Day	26.100
1Z153E792210024344	UPS Next Day	43.600

THIS RECEIPT LISTS EACH PACKAGE RECEIVED BY THE UPS STORE #2194 AND INDICATES THAT THE INFORMATION FOR EACH PACKAGE HAS BEEN TRANSMITTED TO EACH CARRIER'S DATA SYSTEM. THIS RECEIPT IS NOT CONFIRMATION THAT THE CARRIER HAS PICKED UP THE PACKAGES. TO VERIFY WHEN AND IF A PACKAGE HAS BEEN PICKED UP, ENTER ONE OF THE FOLLOWING WEB ADDRESSES IN YOUR BROWSER AND ENTER THE TRACKING NUMBERS LISTED ABOVE.

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## **APPENDIX 2**

### **Geophysical Survey Report**

90 B John Muir Drive  
Amherst, New York 14228  
(716) 565-0624 • Fax (716) 565-0625



November 4, 2012

Daniel Riker  
LaBella Associates, P.C.  
300 Pearl Street, Suite 325  
Buffalo, NY 14202

Transmitted via email to: DRiker@LaBellaPC.com

Dear Mr. Riker:

**Subject: Geophysical Survey Results, 2020 River Road, Wheatfield, NY**

## **1.0 INTRODUCTION**

This letter report presents the results of the geophysical investigation performed for LaBella Associates, P.C. in support of their environmental investigation of a property located at 2020 River Road in Wheatfield, NY (the Site). The Site is a wooded parcel located between River Road and the Niagara River. Survey lines were cleared through the Site to allow access for investigation activities.

The geophysical investigation was designed to geophysically characterize the subsurface and focus a follow-up intrusive investigation, if warranted. The information provided herein is intended to assist LaBella with their assessment of potential environmental concerns at the Site. AMEC Environment and Infrastructure, Inc. (Amec) performed data acquisition on October 17, 2012 using frequency domain electromagnetic techniques.

## **2.0 METHODOLOGY**

The following sections present the geophysical methodology utilized for this investigation.

### **2.1 Reference Grid**

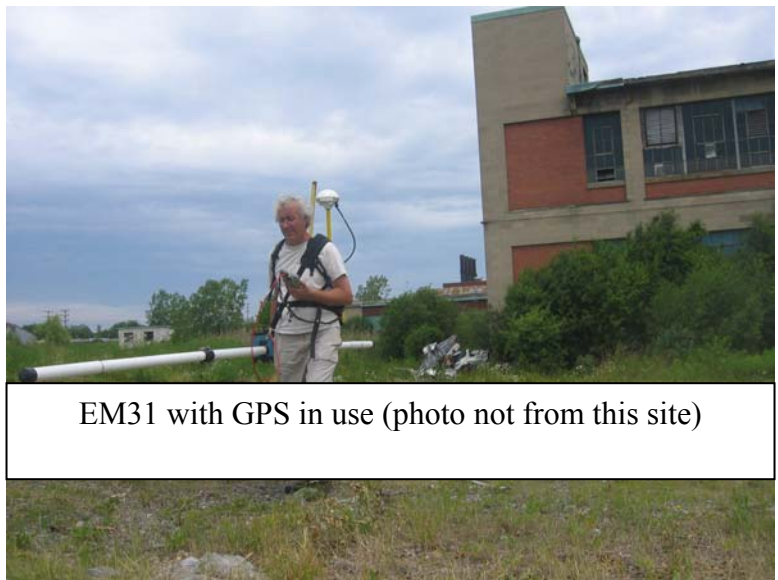
The EM31 survey utilized a differential GPS system for positioning. The equipment was the Trimble AG114 interfaced to an Allegro data logger. Positioning was displayed in real time. Geophysical data were collected along the cleared lines at the Site. In several places, yellow



markers (painted stones) were observed and, when encountered, their locations were noted on the geophysical survey. This may aid in the re-location of detected anomalies. .

## 2.2 Electromagnetic EM31 Survey Methodology

A Geonics EM31 Terrain Conductivity meter was used to measure and record the quadrature component (ground conductivity) and the inphase component of the EM field along the survey lines. The quadrature component of the EM field is a measurement of the apparent ground conductivity. The inphase component of the EM field is sensitive to metallic objects. Comparison of the quadrature component of the EM field data (expressed in units of milliSiemens per meter (mS/m)) and the inphase component data (expressed in units of parts per thousand (ppt)) results in increased anomaly definition. The character of the EM response, low or high, is partially dependent on the orientation of the buried target relative to the orientation of the EM31 device during data acquisition, and the survey direction. A buried metal pipe, for example, will exhibit a high valued response when the trend of the pipe is parallel to the survey direction. Alternatively, when a survey line crosses a buried metal pipe whose trend is perpendicular to the survey direction, it is characterized by a low response. Similarly, other complex buried metal anomalies are indicated by a coupling of a high and low response.



EM31 with GPS in use (photo not from this site)

All readings were taken with the instrument oriented parallel to the direction of travel, in the vertical dipole mode and with the instrument at waist height. The depth of penetration with the instrument in this configuration is approximately 12 to 15 feet below ground surface. Data were collected and stored in a solid state memory data logger during the survey. The data logger was interfaced to a portable computer and the data were transferred to a floppy disk for subsequent processing and interpretation. A survey base station was established on-site and was revisited throughout the survey to check for instrument drift and malfunction. No significant drift or malfunction was observed.

The terrain conductivity and inphase data were initially edited and then plotted as profile lines for interpretation. Contour maps of the data were then constructed and utilized for final interpretation. The geophysical data are presented in final form as a series of color contour maps. The color maps allow for an illustration of detected anomalies that are associated with conductive materials such as buried metals, wastes, fill, utilities, and changes in soil texture and/or moisture content.

### **3.0 EM31 Results**

EM31 conductivity and inphase data for the site is shown in Figures 1 and 2, respectively. Surface features that were observed during the data acquisition are noted on the figures. As discussed above, several yellow markers were observed during the survey and these are denoted with a red triangle and the text "Y" on the figures.

Conductivity values at the site were observed to range from below 0 mS/m to over 100 mS/m. The variation in terrain conductivity may be related to any one or combination of the following conditions:

- A change in soil/fill type. For example, an increase in relative clay content may increase the measured conductivity and variations in fill type will cause associated anomalies;
- A change in soil moisture. Moisture content would be expected to increase in areas of low topographic elevation as more saturated sediments lie within the depth of investigation of the EM instrument;
- A change in pore fluid specific conductance. For example, the presence of salt-impacted water within the pore space of the shallow soil will increase the measured conductivity primarily due to the presence of chloride ions; or
- Interference from surface metallic anthropogenic features such as powerlines, fences, pipes, reinforced concrete and other metallic structures.

The inphase data set that is shown in Figure 2 exhibits a response that is similar to the conductivity data. The majority of the anomalies evident with both the Conductivity and Inphase data are likely related to surface or near surface anthropogenic features.

Eight anomalies were identified as potentially being related to features of environmental significance and are labeled A through H on Figures 1 and 2. Most anomalies are expressed in both conductivity and inphase data sets however the inphase data set of Figure 2 best displays all anomalies.

**Anomalous Zone A** is a large conductivity and inphase high observed on both the conductivity and inphase data sets and extends for approximately 300 feet. This anomalous zone is located on the eastern portion of the survey area. Construction and demolition (C&D) debris were observed day-lighting from the earth in portions of this area. It is possible that Anomalous Zone A represents a zone of buried C&D debris.

**Anomalies B and C** are conductivity and inphase high anomalies observed on both Figures 1 and 2. These anomalies are located on the eastern portion of the survey area south of Anomalous Zone A. These anomalies may represent smaller pockets of C&D debris or other conductive material.

**Anomalous Zone D** is a zone of anomalous responses located in the southern extent of the survey area. This anomalous zone is characterized by both high and low conductivity and inphase responses and may represent buried objects of potential environmental significance.

**Anomalies E, F, G, and H** are all best observed on the inphase data set of Figure 2 and are characterized as an inphase low (shades of blue) response. These anomalies likely represent buried metallic objects.

Any of the additional unlabeled anomalies may be significant from an environmental perspective. It should be noted that the geophysical survey only focused on the portion of the site that was cleared of vegetation.

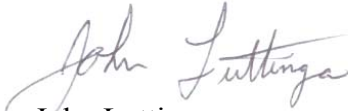
#### **4.0 LIMITATIONS**

The geophysical methods used during this survey are established, indirect techniques for non-destructive subsurface reconnaissance exploration. As these instruments utilize indirect methods, they are subject to inherent limitations and ambiguities. Metallic surface features (electrical wires, scrap metal, railroad lines, etc.) preclude reliable non-invasive data/results beneath, and in the immediate vicinity of, the surface features. Targets such as buried drums, buried tanks, conduits, etc. are detectable only if they produce recognizable anomalies or patterns against the background geophysical data collected. As with any remote sensing technique, the anomalies identified during a geophysical survey should be further investigated by other techniques such as historical aerial photography, test pit excavation and/or test boring, if warranted.

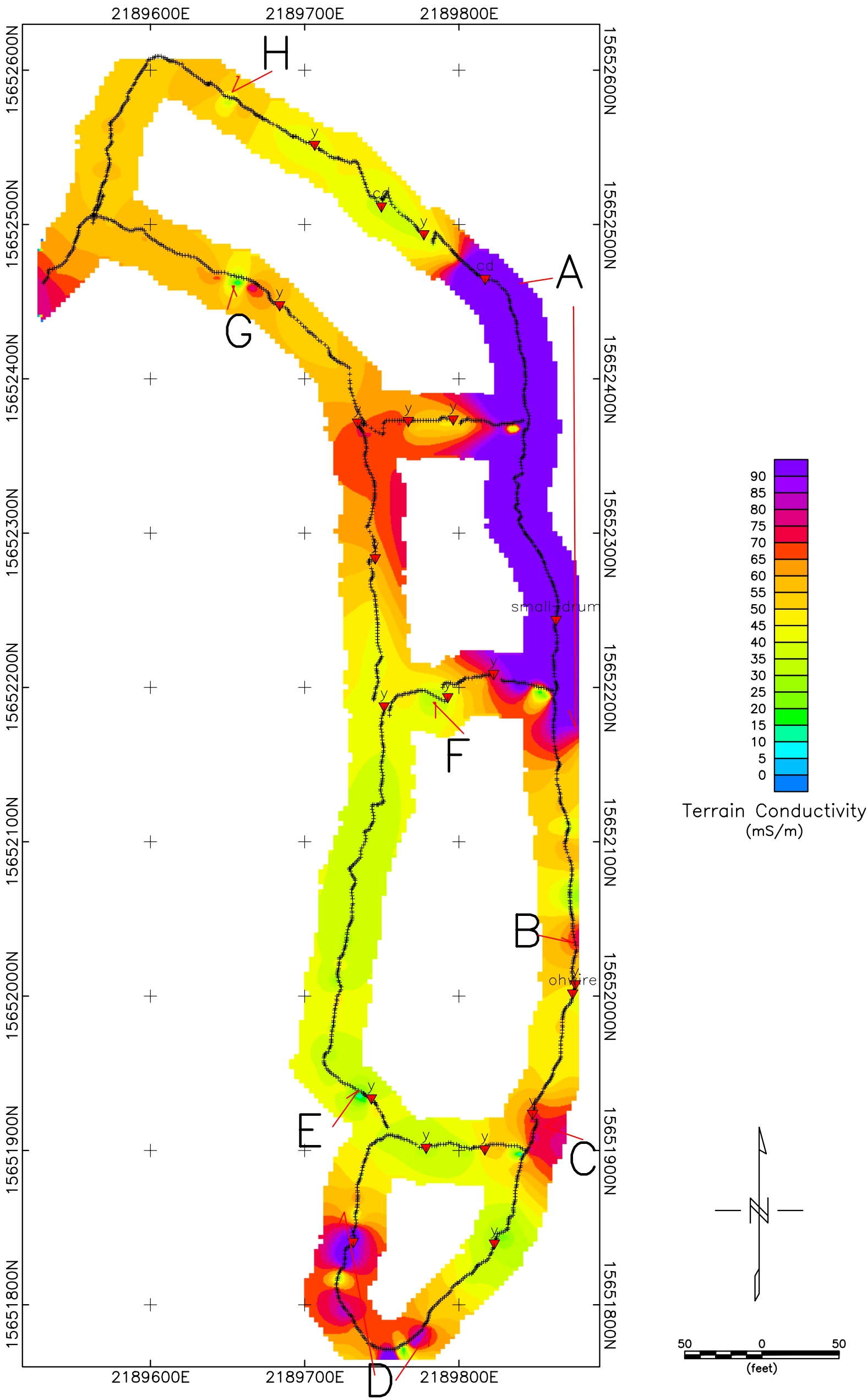
Daniel Riker  
LaBella Associates, P.C.  
November 4, 2012  
Page 5

Please do not hesitate to contact us if you have any questions or require additional information.

Sincerely yours,  
AMEC

A handwritten signature in cursive script, reading "John Luttinger". The signature is written in dark ink and is positioned above the printed name and title.

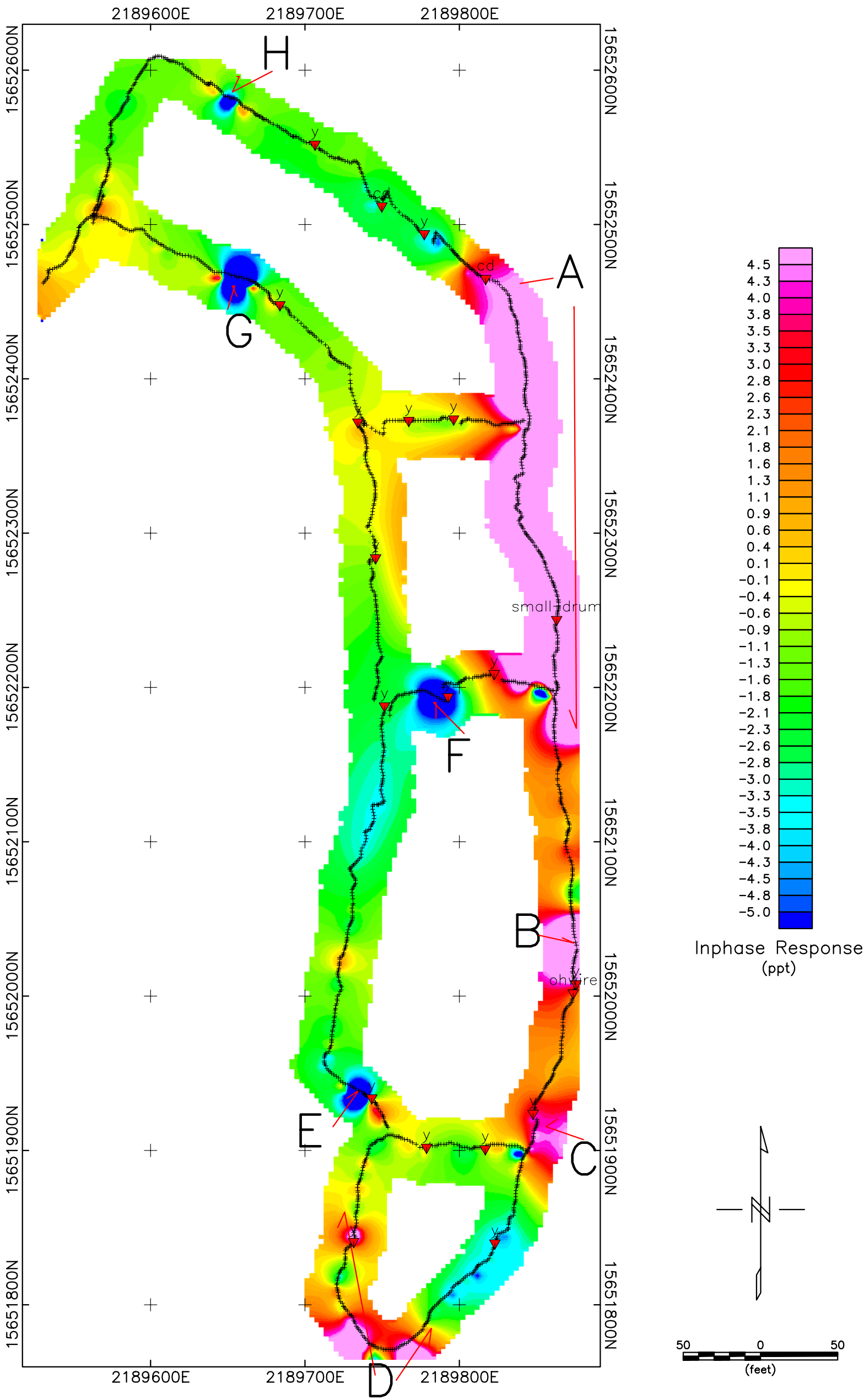
John Luttinger  
Senior Geophysicist



A Geophysical anomaly (or anomalous area) discussed in report

Figure 1
Geophysical Survey Results Color Contours of EM31 Data Terrain Conductivity (mS/m)
2020 River Road Wheatfield, NY LaBella Associates
AMEC (716) 565-0624





A Geophysical anomaly (or anomalous area) discussed in report

Figure 2
Geophysical Survey Results Color Contours of EM31 Data Inphase Response (ppt)
2020 River Road Wheatfield, NY LaBella Associates
AMEC (716) 565-0624

## APPENDIX 3

### Data Usability Summary Report

# Data Validation Services

120 Cobble Creek Road P.O. Box 208  
North Creek, NY 12853

Phone 518-251-4429  
harry@frontiernet.net

March 18, 2013

Christopher Kibler  
Labella Associates, PC  
300 State St Suite 201  
Rochester, NY 14614

RE: **Data Usability Summary Report for the 2020 River Rd Site**  
Chemtech SDG Nos. D4406 and D4953

Dear Mr. Kibler:

Review has been completed for the data packages noted above, generated by Chemtech Laboratories that pertain to samples collected between 09/28/12 and 11/26/12 at the 2020 River Road site. Thirty soil samples and two field duplicates were processed for TCL volatiles, TCL semivolatiles, TCL Pesticides, TCL PCBs, and RCRA metals. The analytical methods utilized are those of the USEPA SW846 6000/7000/8000.

The data packages submitted contain full deliverables for validation, but this usability report is generated from review of the summary form information, with full review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, the specific laboratory methodologies, and professional judgment, as affects the usability of the data. The following items were reviewed:

- \* Laboratory Narrative Discussion
- \* Custody Documentation
- \* Holding Times
- \* Surrogate and Internal Standard Recoveries
- \* Matrix Spike Recoveries/Duplicate Correlations
- \* Field Duplicate Correlations
- \* Preparation/Calibration Blanks
- \* Control Spike/Laboratory Control Samples
- \* Instrumental Tunes
- \* Calibration/Low Level Standards
- \* ICP Serial Dilution
- \* Instrument IDLs
- \* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review.

The data review includes evaluation of the specific items noted in The NYS DER-10 Appendix B section 2.0 (c). The items listed above that show deficiencies are discussed within the text of this narrative. The laboratory QC forms illustrating the excursions can be found within the laboratory data package.

**In summary**, sample analyses were primarily conducted in compliance with the required analytical protocols. Most sample results are usable either as reported or with qualification. However, the following data are rejected.

- pesticide results for one parent sample and its field duplicate
- 1,4-dioxane in all samples due to methodology

Copies of the sample identification summaries are attached to this text, and should be reviewed in conjunction with this report. Also included with the report are client results tables annotated to reflect the qualifications recommended within this report.

#### **Data Package Completeness**

Reporting limits for organic analytes provided as the results for non-detects on the report forms and laboratory excel files are lower than the actual by a factor of two. This has been noted on the attached qualified tables.

Metals results forms do not show the required flags to indicate outlying serial dilution correlations.

#### **Chains-of-Custody**

Edits to the custody form entries should have been dated and initialed.

The relinquish entry on the third page of the custodies for sample collected 09/28/12 does not include the data and time. Those are present on the other two pages.

The relinquish entries on the first two pages of the custodies for sample collected in November do not include the data and time. It is present on the other page.

The times of collection for all samples collected 09/28/12 are shown as “12 pm”. The times of collection for the samples collected in November are all stated as “8-5 pm”. Those entries should reflect the actual time of collection.

The collection date for samples collected in November should also show the year.

#### **Blind Duplicate Evaluations**

The blind field duplicates were collected at SS10 and TP7-2-4. The correlations were within

validation guidelines, with the exceptions of those for the following, results for which are qualified as estimated in the parent sample and its respective duplicate:

- barium (54%RPD) in SS10
- mercury (52%RPD) in TP7-2-4
- Aroclors 1248 and 1260 in TP7-2-4; the parent sample reports the detection as Aroclor 1260, and the field duplicate as Aroclor 1248, with about a fivefold higher concentration in the duplicate than in the parent. The raw data for those samples support the reported results.

#### **TCL Volatile Analyses by EPA 8260B**

Eighteen of the samples show low response for the internal standard d4-1,4-dichlorobenzene. One of those samples (TP18-2-4) also produced a low response for internal standard d5-chlorobenzene. Another of those samples (SS8) shows low responses for all four of the internal standards, and the response for 1,4-dichlorobenzene is so low (12%) in that sample, that the results for eight associated compounds are rejected, and not usable. Results for the remaining analytes in SS-8, for fifteen analytes in TP18-2-4, and for eight analytes in SS1, SS6, SS9, SS10, SS16, SS17, SS18, SS24, SS27, TP8-3-5, TP14-5-7, TP16-3-5, TP17-2-4, TP20-2-4, TP22-1-3, and TP24-5-7 are qualified as estimated in value. Initial analyses are used for all samples except TP18-2-4; the reanalysis is used for that sample.

Due to poor instrument response inherent with the methodology, the results for 1,4-dioxane in the samples are to be rejected, and are not usable. Other calibration standards showed acceptable responses, with the following exceptions, results for which are to be qualified as estimated in the indicated sample:

- acetone (22%D) and 1,2-dibromo-3-chloropropane (low RRF) in TP11-2-4

Matrix spikes of SS1 and TP17-2-4 show acceptable recoveries and duplicate correlations.

Holding times were met, surrogate recoveries are within required ranges, and blanks show no contamination.

#### **TCL Semivolatiles by EPA 8270C**

Final results for analytes initialed reported with the “E” flag are derived from the dilution analyses, thus reflecting responses within the linear range of the instrument.

The detection of benzo(g,h,i)perylene in TP8-3-5 is qualified as tentatively identified and estimated in value due to poor mass spectral quality:

The matrix spikes of TP17-2-4 and SS1 show acceptable recoveries and duplicate correlations

Calibration standards showed acceptable responses, with the following exception, results for which are to be qualified as estimated in the indicated samples:

- 2,4-dinitrophenol (low RRF) in the samples and equipment blank reported in SDG D4953

Tentatively Identified Compounds (TICs) reported with a CAS number should have been flagged by the laboratory as “N” to indicate a tentative identification.



TICs reported with the laboratory “A” or “B” flags are extraction/analysis artifacts, and are removed from consideration as sample components.

Some of the samples were analyzed at dilution due to either target or non-target analyte responses. Reporting limits for undetected analytes in those samples are elevated in proportion to the dilution factor. TP22-1-3 appears to have been excessively diluted.

#### **TCL PCB and TCL Pesticide Analyses by EPA 8081A and 8082**

The pesticide analyses of TP7-2-4 and TP7-2-4FD show a very large background response that dwarfs surrogate responses to where they are barely discernible, and would mask responses of target analytes as well. Therefore, the results for pesticides in those two samples (parent and field duplicate) are rejected, and are not usable.

The results for pesticides in TP9-3-5 are qualified as estimated due to interfering background responses.

Final results for analytes initialed reported with the “E” flag are derived from the dilution analyses, thus reflecting responses within the linear range of the instrument.

All detected results for pesticides in samples reported in SDG D4406 are qualified as estimated due to consistently outlying elevated responses for all analytes in the continuing calibration standards.

The PCB analyses are numerous samples show outlying low recoveries for surrogate standard DCB on both analytical columns. Low recoveries are typically a matrix effect, but it is observed that the pesticide analyses of the samples, which are similarly extracted and analyzed, did not exhibit low recoveries. Due to the outlying DCB responses, all Aroclor results for the following samples have been qualified as estimated in value, and may have a low bias: SS6, SS8, SS9, SS10, SS11, SS16, and all samples reported in SDG D4953 **except** TP5-4-6, TP11-2-4, TP16-3-5, TP17-2-4, TP18-2-4, and TP20-2-4

The laboratory should have processed a continuing calibration standard of the Aroclor mixtures 1254 and 1248. Because they did not, the detected results for those mixtures have been qualified as estimated in the samples.

Matrix spikes of Aroclors 1016 and 1260 and pesticides in SS1 and TP17-2-4 show acceptable recoveries and duplicate correlations, with the exception of two elevated recoveries in TP17-2-4 that are a result of the Aroclor 1248 present in the parent sample. No qualification is indicated.

The PCB analyses of samples SS9 and S11 exhibit very large single component responses that, due to the scaling of the chromatograms, dwarf the surrogate responses and prevent independent evaluation of the reported non-detection results of those samples. The pesticide analyses of those samples do not show the same component, and can be used to verify that no Aroclor mixtures were present in those samples.

The chromatograms of TP17-2-4 and SS20 show numerous responses, some of them from the PCB congeners present in the samples. The pesticide integration outputs do not list the responses, and

therefore the reported non-detected pesticide results cannot be independently verified. There are no specific requirements in the ASP deliverables that request unedited integration output.

Surrogate recoveries are within laboratory acceptance ranges/validation action limits. However, it is noted that those ranges are unusually large, with both aqueous and one of the two soil lower limits at only 10%. Actual sample recoveries are generally greater than 60%.

**RCRA Metals Analyses by EPA 6010B and 7470/7471**

Due to presence in the associated equipment blank, the detections of chromium in all samples except TP5-4-6, TP11-2-4, TP14-5-7, TP16-3-5, TP17-2-4, TP18-2-4, and TP24-5-7 are considered external contamination, and edited to reflect non-detection.

The matrix spikes for RCRA metals on the following samples show recoveries for the following elements that are outside the validation action limits, and results for the affected elements are qualified as estimated in the samples reported in the indicated associated SDGs:

<u>Parent Sample</u>	<u>Element</u>	<u>Outlying %Recoveries</u>	<u>Associated Samples</u>
SS1	Chromium	33 and 38	D4406
	Lead	66	
TP17-2-4	Silver	74.7	D4953

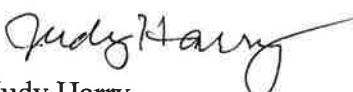
The ICP serial dilution correlations for the following elements are above the recommended limit, and detected results for the affected elements are qualified as estimated in the indicated associated samples (all detections within the given delivery groups):

<u>Parent Sample</u>	<u>Element</u>	<u>%Difference</u>	<u>Associated Samples</u>
SS1	Chromium	30	D4406
	Barium	23	
TP17-2-4	Chromium	53	D4953
	Barium	45	

Instrument processing was compliant.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,

  
Judy Harry

## VALIDATION DATA QUALIFIER DEFINITIONS

**U** The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.

**J** The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.

**UJ** The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.

**NJ** The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.

**R** The data are unusable. The analyte may or may not be present.

**EMPC** The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

## **CLIENT and LABORATORY SAMPLE IDs**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
SS1	D4406-01	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS6	D4406-04	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS8	D4406-05	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS9	D4406-06	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS11	D4406-07	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS10	D4406-08	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS12	D4406-09	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS16	D4406-10	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS17	D4406-11	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS19	D4406-12	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS20	D4406-13	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS24	D4406-14	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS27	D4406-15	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS29	D4406-16	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
SS10DUP	D4406-17	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
EQUIPMENTBLANK	D4406-18	8260C	8270D		8081B, 8082A	6010B, 7471A, 7470A	Chemtech -SOP
SS18	D4406-19	8260C	8270D		8081B, 8082A	6010B, 7471A, 7470A	Chemtech -SOP



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sampl ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
TP1-2-4	D4953-01	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP5-4-6	D4953-02	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP7-2-4	D4953-03	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP7-2-4(FD)	D4953-04	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP8-3-5	D4953-05	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP9-3-5	D4953-06	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP10-6-8	D4953-07	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP11-2-4	D4953-08	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP12-4-6	D4953-09	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP14-5-7	D4953-10	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP16-3-5	D4953-11	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP17-2-4	D4953-12	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP18-2-4	D4953-15	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP20-2-4	D4953-16	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP22-1-3	D4953-17	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
TP24-5-7	D4953-18	8260C	8270D		8081B, 8082A	6010B, 7471A	Chemtech -SOP
EB	D4953-19	8260C	8270D		8081B, 8082A	6010B, 7471A, 7470A	Chemtech -SOP