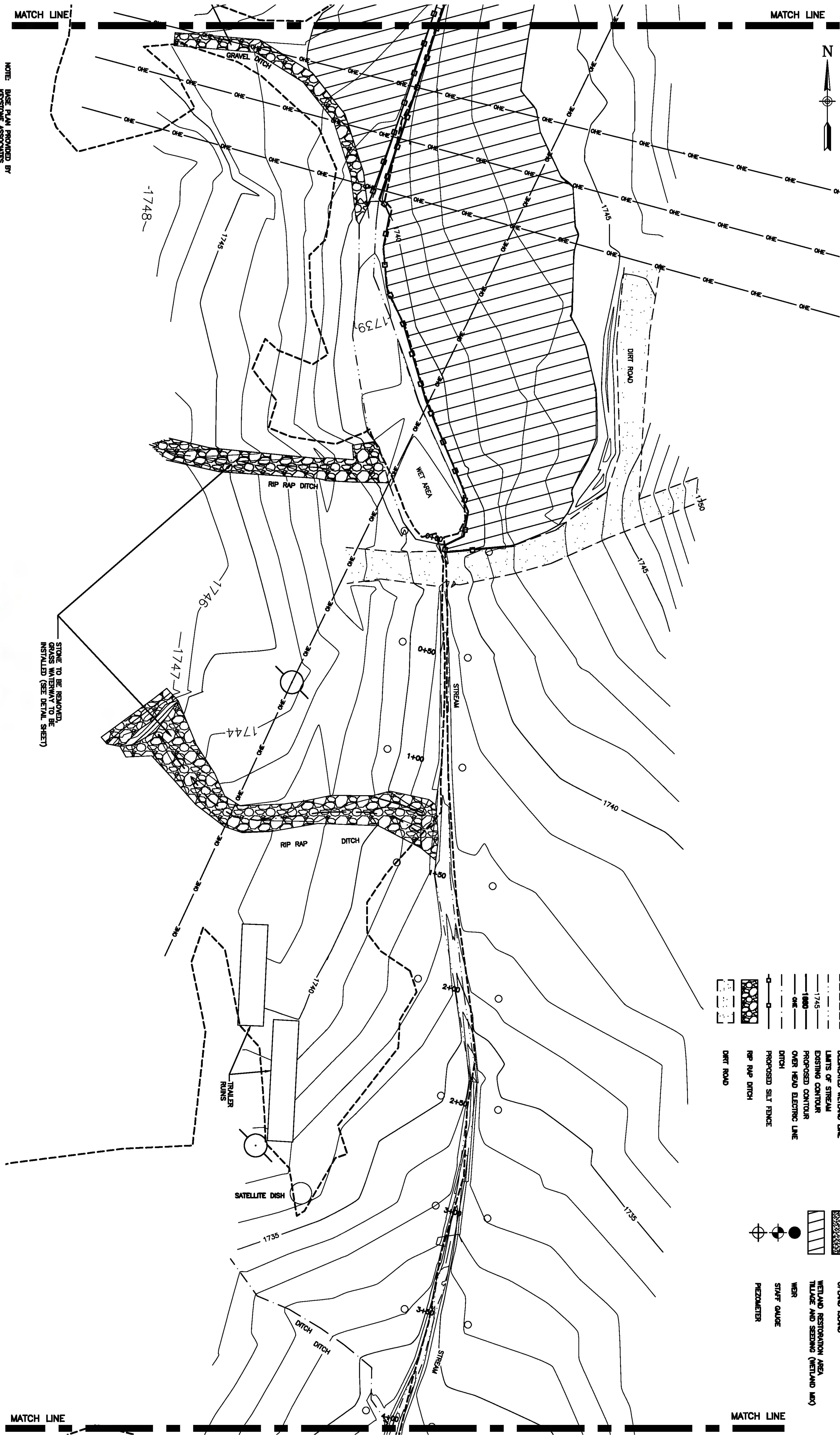




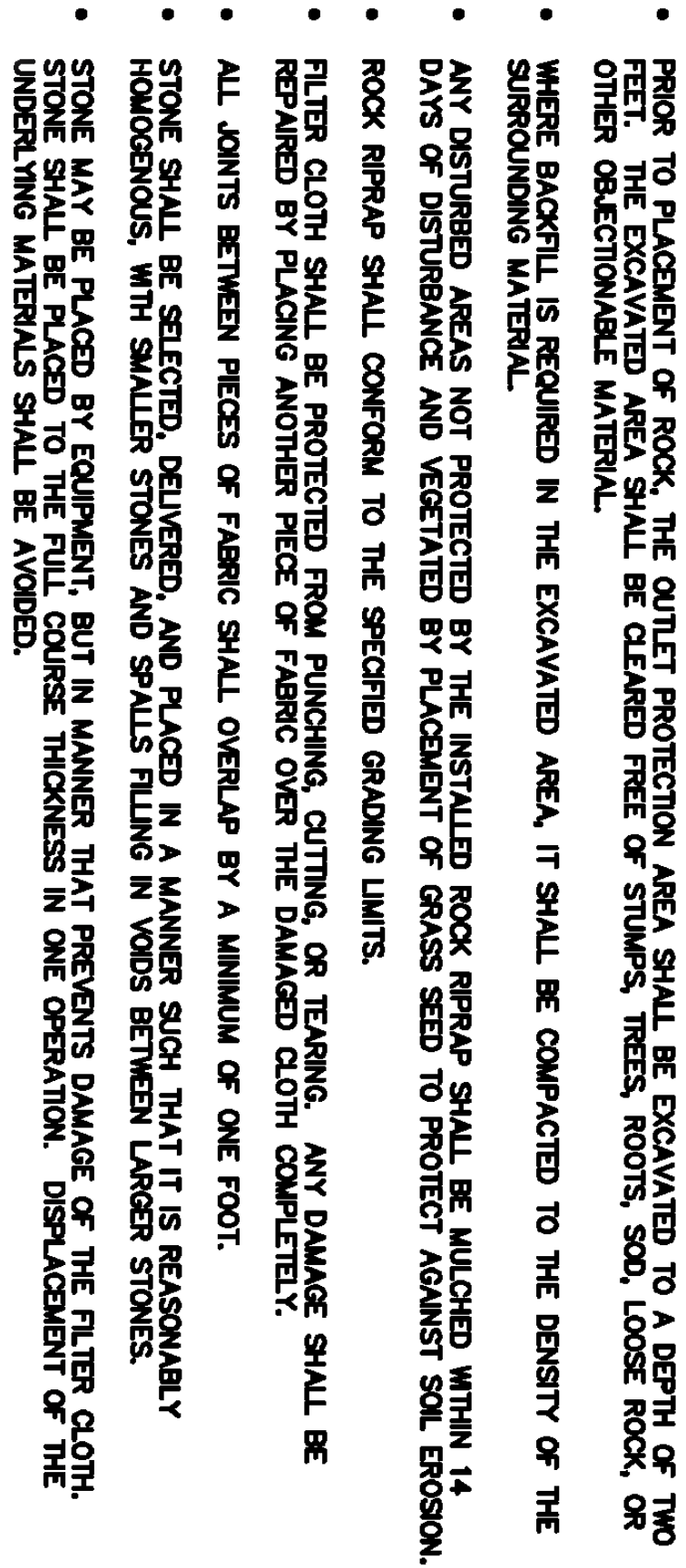
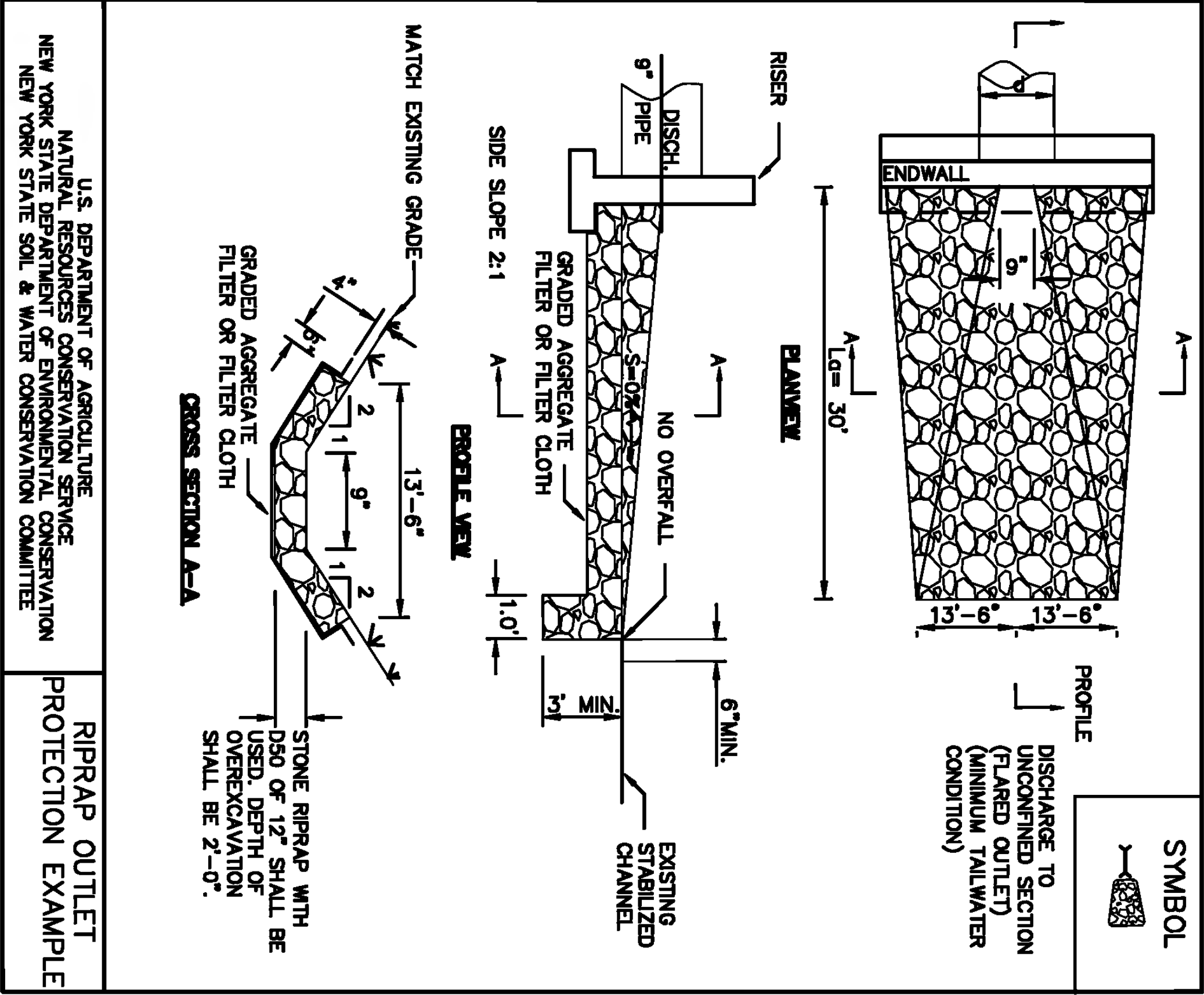
as design of _____ SON _____ Designed by _____ JIS _____ Drawn by _____ JIS _____ Checked by _____		Date _____ NOVEMBER, 2007  1"=20' 20' 0 20' 40'		REVISIONS		COMPLETED CONSTRUCTION Significant Construction Changes Are Shown	
				By _____ Date _____ Cx'd _____ Date _____			



Barton
Loguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects

AMFENGL CORPORATION
HERRICK HOLLOW CREEK RESTORATION
WETLAND RESTORATION
(SHEET 3 OF 8)
TOWN OF SENECA AND MASONVILLE DELAWARE COUNTY, NEW YORK

Sheet Number	4
PRELIMINARY	File Number 824,006-4F

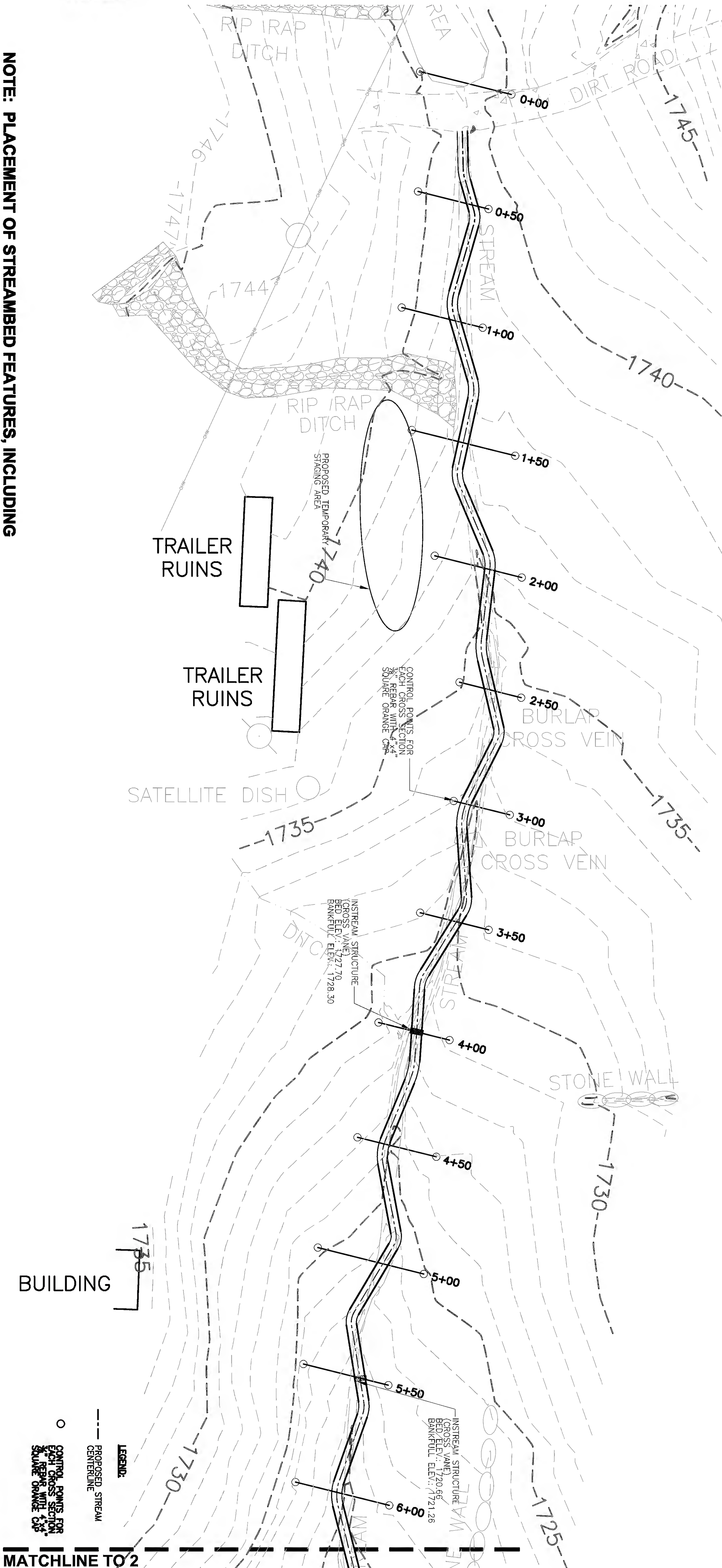


Bioengineering
GROUP

Building Sustainable Communities
on an Ecological Foundation

AMFENGL CORPORATION HERRICK HOLLOW CREEK RESTORATION	PRELIMINARY	Street Number 10
		File Number 824,006-10F

PRELIMINARY

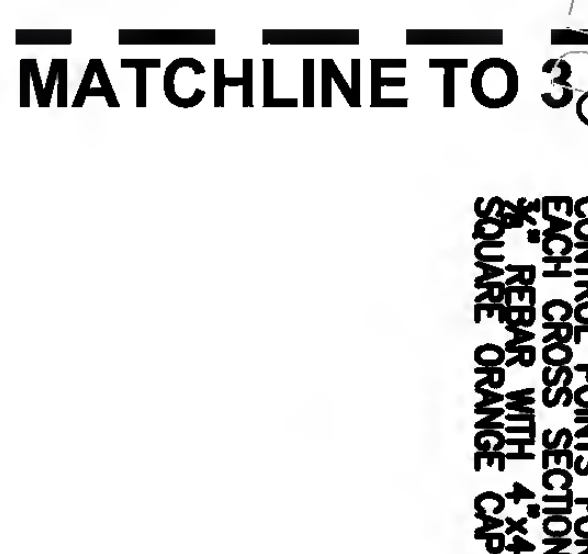


NOTE: PLACEMENT OF STREAMBED FEATURES, INCLUDING RIFFLES, POOLS, RUNS, GLIDES, AND CASCADES, WILL BE PROVIDED IN THE 100% DESIGN SUBMITTAL, UPON APPROVAL OF THE PROPOSED CHANNEL LAYOUT AND CROSS-SECTION.

_____	_____	NOVEMBER, 2007 1"=20' 0 20' 40' NO. 100% DESIGN SUBMITTAL, UPON APPROVAL OF THE PROPOSED CHANNEL LAYOUT AND CROSS-SECTION. OF THE PROJECT, THE DESIGN SHALL BE FOR THE 50-YEAR FLOOD, UNLESS OTHERWISE SPECIFIED.	REVISIONS		COMPLETED CONSTRUCTION	
_____	_____					Significant Construction Changes Are Shown
_____	_____					
_____	_____					
_____	_____				By _____ Date _____	
_____	_____				OK'd _____ Date _____	



AMPHENOL CORPORATION HERRICK HOLLOW CREEK RESTORATION		PRELIMINARY	12
STREAM RESTORATION (SHEET 1 OF 6)			
TOWN OF SIDNEY AND MASONVILLE DELAWARE COUNTY, NEW YORK			824.006-12F



CONTROL POINTS FOR EACH CROSS SECTION
1" REBAR WITH 4"x4" SQUARE ORANGE CAP

Sheet Number
13

File Number
824.006-13F



MATCHLINE TO 4



Bioengineering
GROUP

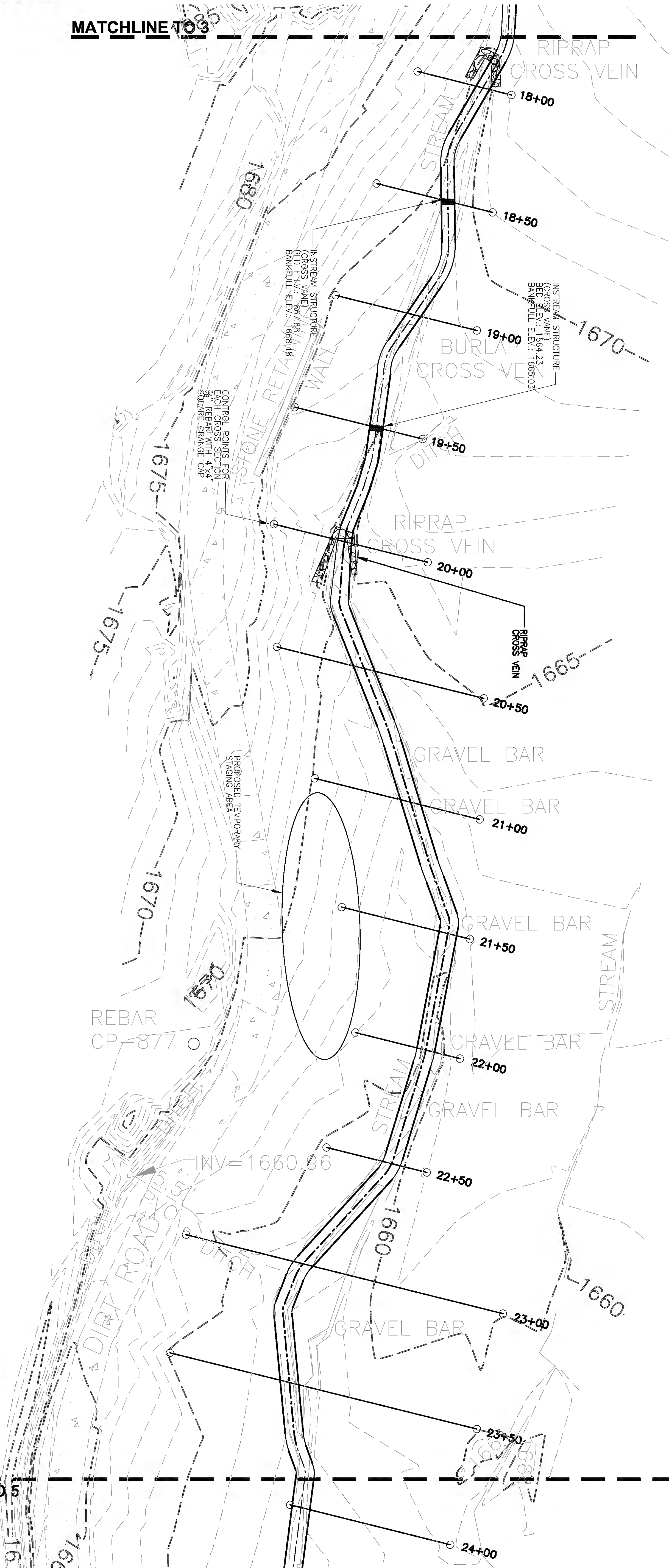
Building Sustainable Communities
on an Ecological Foundation

Engineers • Environmental Scientists • Planners • Landscape Architects

PRELIMINARY

Sheet Number	14
File Number	824.006-14F

PRELIMINARY



NOTE: PLACEMENT OF STREAMBED FEATURES, INCLUDING RIFFLES, POOLS, RUNS, GLIDES, AND CASCADES, WILL BE PROVIDED IN THE 100% DESIGN SUBMITTAL, UPON APPROVAL OF THE PROPOSED CHANNEL LAYOUT AND CROSS-SECTION.

In charge of		NOVEMBER, 2007		REVISIONS		COMPLETED CONSTRUCTION	
Designed by		Date				Significant Construction Changes Are Shown	
Drawn by		1"=20'				By	
Checked by		0				Date	
		20'				Date	
		40'				Date	
						Date	
						Date	



APPENDIX CORPORATION
HERRICK HOLLOW CREEK RESTORATION
STREAM RESTORATION
(SHEET 4 OF 6)
TOWN OF SIDNEY AND MASONVILLE
DELAWARE COUNTY, NEW YORK

PRELIMINARY
File Number
824.006-15F

Street Number
15

10/09/07-SYR-JOS, 10/31/07-JOS
REVISED 800/824006-11-16

X: XREF(S) W/_ (NOT/THST)
LM: L3-OR L1 ON-ORF-
P: STANDARD.PCS.CTB



MATCHLINE TO 4

MATCHLINE TO 6'



Bioengineering
GROUP

Building Sustainable Communities
on an Eco-based Foundation



TOWN OF SIDNEY AND MASONVILLE

DELAWARE COUNTY, NEW YORK

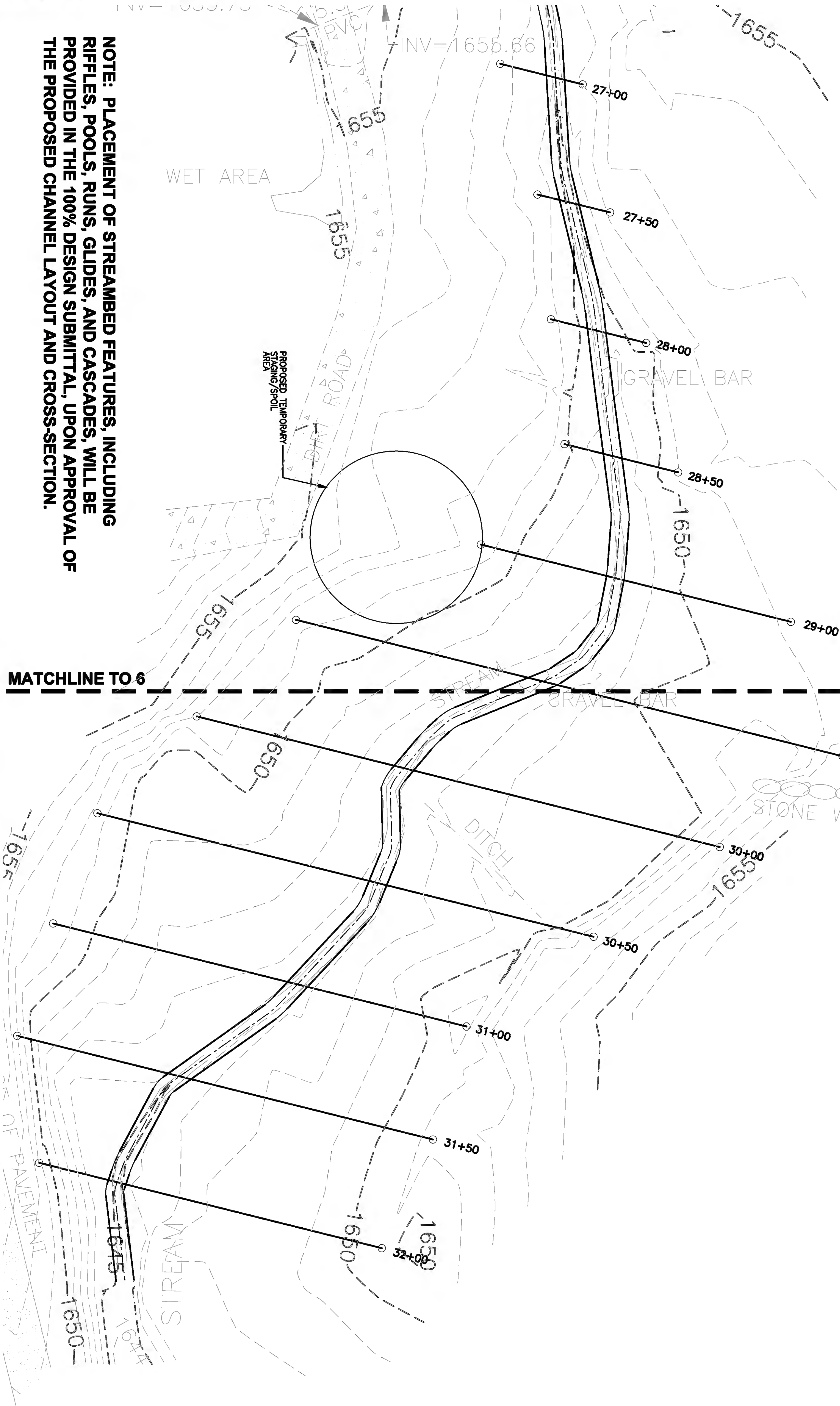
PRELIMINARY

10

File Number

824.006-16F

PRELIMINARY



LEGEND:

- PROPOSED STREAM CENTERLINE
- CONTROL POINTS FOR EACH CROSS SECTION
1/2" REBAR WITH 4"x6" SQUARE ORANGE CAP

NOTE: PLACEMENT OF STREAMBED FEATURES, INCLUDING RIFFLES, POOLS, RUNS, GLIDES, AND CASCADES, WILL BE PROVIDED IN THE 100% DESIGN SUBMITTAL, UPON APPROVAL OF THE PROPOSED CHANNEL LAYOUT AND CROSS-SECTION.

In charge of	NOVEMBER, 2007		REVISIONS		COMPLETED CONSTRUCTION	
	Drawn By	Scale			Significant Construction Changes Are Shown	
Designed By		1"=20'			By	Date
Drawn By		20'			By	Date
Checked By		40'			By	Date
					By	Date
					By	Date

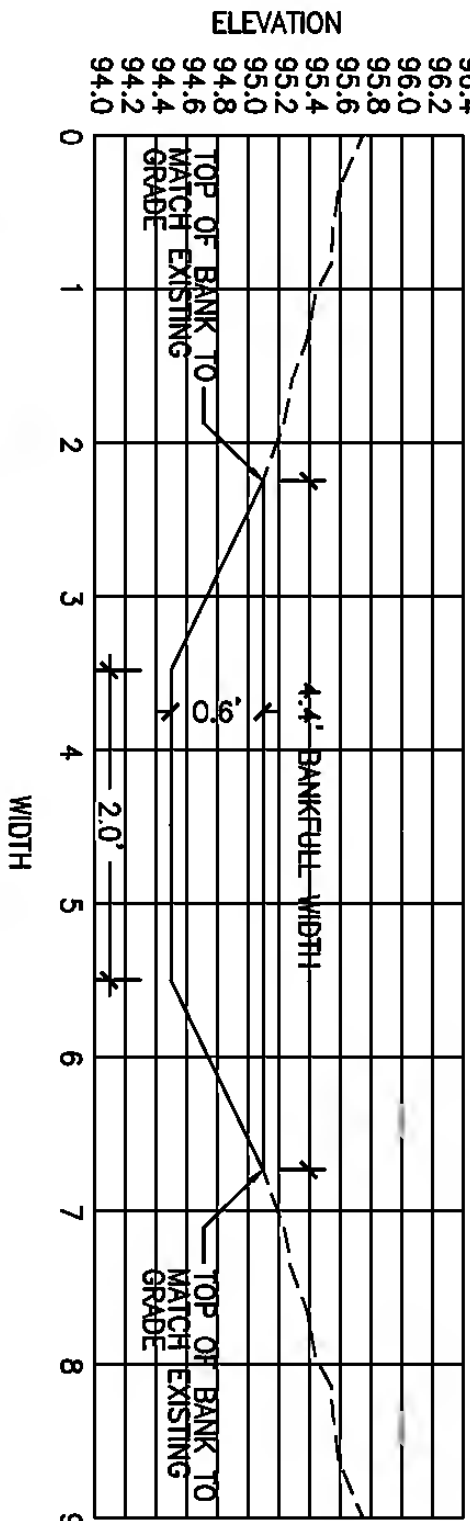


Engineers • Environmental Scientists • Planners • Landscape Architects

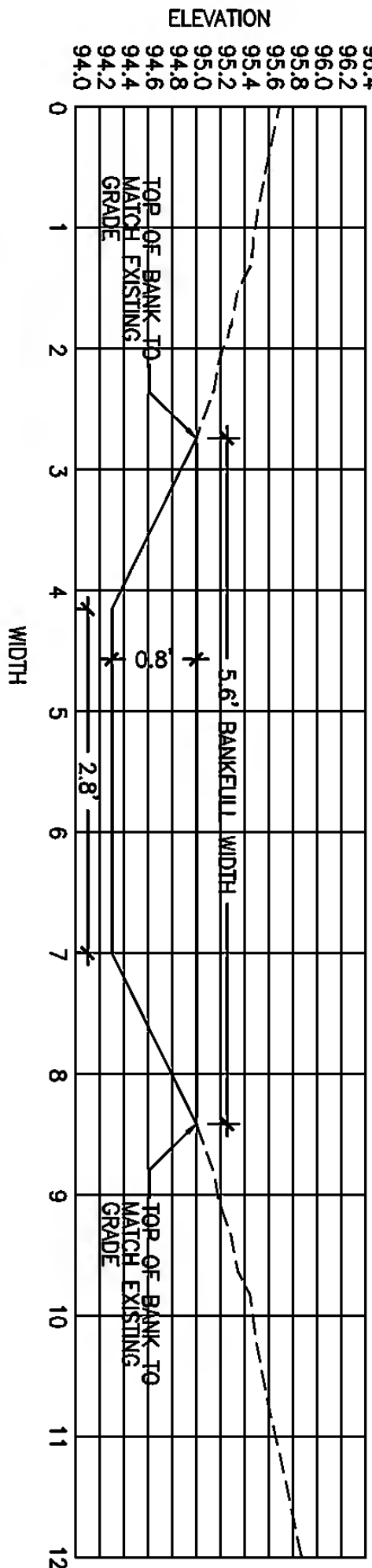
ALPHENIX CORPORATION HERRICK HOLLOW CREEK RESTORATION		Sheet Number 17
STREAM RESTORATION (SHEET 6 OF 6)		
TOWN OF SENECA AND MASONVILLE DELAWARE COUNTY, NEW YORK	PRELIMINARY	File Number 824.006-17F

10/26/07-07-01-02-03-04-05-06-07-08-09-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-1259-1260-1261-1262-1263-1264-1265-1266-1267-1268-1269-1270-1271-1272-1273-1274-1275-1276-1277-1278-1279-1280-1281-1282-1283-1284-1285-1286-1287-1288-1289-1290-1291-1292-1293-1294-1295-1296-1297-1298-1299-1300-1301-1302-1303-1304-1305-1306-1307-1308-1309-1310-1311-1312-1313-1314-1315-1316-1317-1318-1319-1320-1321-1322-1323-1324-1325-1326-1327-1328-1329-1330-1331-1332-1333-1334-1335-1336-1337-1338-1339-1340-1341-1342-1343-1344-1345-1346-1347-1348-1349-1350-1351-1352-1353-1354-1355-1356-1357-1358-1359-1360-1361-1362-1363-1364-1365-1366-1367-1368-1369-1370-1371-1372-1373-1374-1375-1376-1377-1378-1379-1380-1381-1382-1383-1384-1385-1386-1387-1388-1389-1390-1391-1392-1393-1394-1395-1396-1397-1398-1399-1400-1401-1402-1403-1404-1405-1406-1407-1408-1409-1410-1411-1412-1413-1414-1415-1416-1417-1418-1419-1420-1421-1422-1423-1424-1425-1426-1427-1428-1429-1430-1431-1432-1433-1434-1435-1436-1437-1438-1439-1440-1441-1442-1443-1444-1445-1446-1447-1448-1449-1450-1451-1452-1453-1454-1455-1456-1457-1458-1459-1460-1461-1462-1463-1464-1465-1466-1467-1468-1469-1470-1471-1472-1473-1474-1475-1476-1477-1478-1479-1480-1481-1482-1483-1484-1485-1486-1487-1488-1489-1490-1491-1492-1493-1494-1495-1496-1497-1498-1499-1500-1501-1502-1503-1504-1505-1506-1507-1508-1509-1510-1511-1512-1513-1514-1515-1516-1517-1518-1519-1520-1521-1522-1523-1524-1525-1526-1527-1528-1529-1530-1531-1532-1533-1534-1535-1536-1537-1538-1539-1540-1541-1542-1543-1544-1545-1546-1547-1548-1549-1550-1551-1552-1553-1554-1555-1556-1557-1558-1559-1560-1561-1562-1563-1564-1565-1566-1567-1568-1569-1570-1571-1572-1573-1574-1575-1576-1577-1578-1579-1580-1581-1582-1583-1584-1585-1586-1587-1588-1589-1590-1591-1592-1593-1594-1595-1596-1597-1598-1599-1600-1601-1602-1603-1604-1605-1606-1607-1608-1609-1610-1611-1612-1613-1614-1615-1616-1617-1618-1619-1620-1621-1622-1623-1624-1625-1626-1627-1628-1629-1630-1631-1632-1633-1634-1635-1636-1637-1638-1639-1640-1641-1642-1643-1644-1645-1646-1647-1648-1649-1650-1651-1652-1653-1654-1655-1656-1657-1658-1659-1660-1661-1662-1663-1664-1665-1666-1667-1668-1669-1670-1671-1672-1673-1674-1675-1676-1677-1678-1679-1680-1681-1682-1683-1684-1685-1686-1687-1688-1689-1690-1691-1692-1693-1694-1695-1696-1697-1698-1699-1700-1701-1702-1703-1704-1705-1706-1707-1708-1709-1710-1711-1712-1713-1714-1715-1716-1717-1718-1719-1720-1721-1722-1723-1724-1725-1726-1727-1728-1729-1730-1731-1732-1733-1734-1735-1736-1737-1738-1739-1740-1741-1742-1743-1744-1745-1746-1747-1748-1749-1750-1751-1752-1753-1754-1755-1756-1757-1758-1759-1760-1761-1762-1763-1764-1765-1766-1767-1768-1769-1770-1771-1772-1773-1774-1775-1776-1777-1778-1779-1780-1781-1782-1783-1784-1785-1786-1787-1788-1789-1790-1791-1792-1793-1794-1795-1796-1797-1798-1799-1800-1801-1802-1803-1804-1805-1806-1807-1808-1809-1810-1811-1812-1813-1814-1815-1816-1817-1818-1819-1820-1821-1822-1823-1824-1825-1826-1827-1828-1829-1830-1831-1832-1833-1834-1835-1836-1837-1838-1839-1840-1841-1842-1843-1844-1845-1846-1847-1848-1849-1850-1851-1852-1853-1854-1855-1856-1857-1858-1859-1860-1861-1862-1863-1864-1865-1866-1867-1868-1869-1870-1871-1872-1873-1874-1875-1876-1877-1878-1879-1880-1881-1882-1883-1884-1885-1886-1887-1888-1889-1890-1891-1892-1893-1894-1895-1896-1897-1898-1899-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2

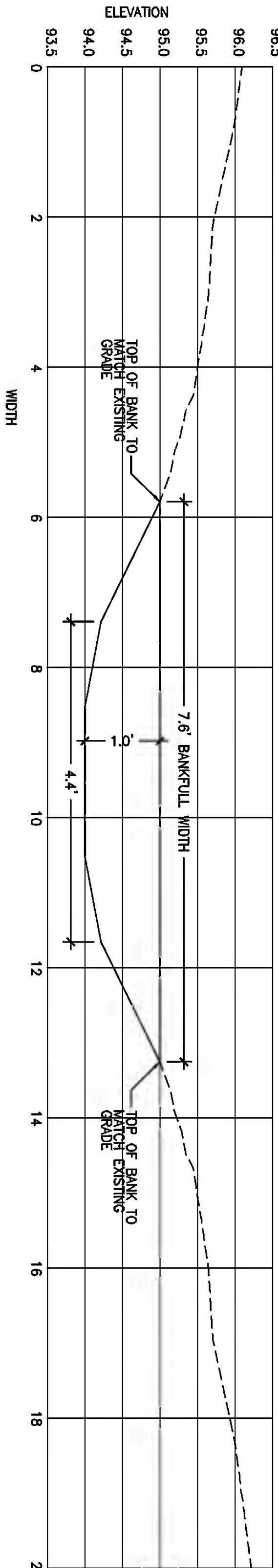
PRELIMINARY



8A SEGMENT I: STATION 0+00 TO 7+00

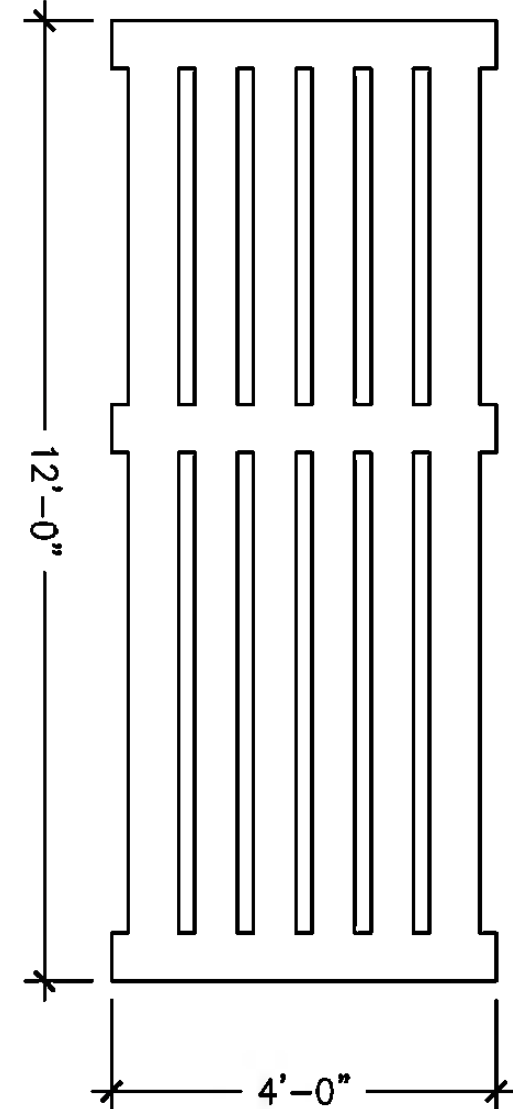


8B SEGMENT II STATION 7+50 TO 20+00

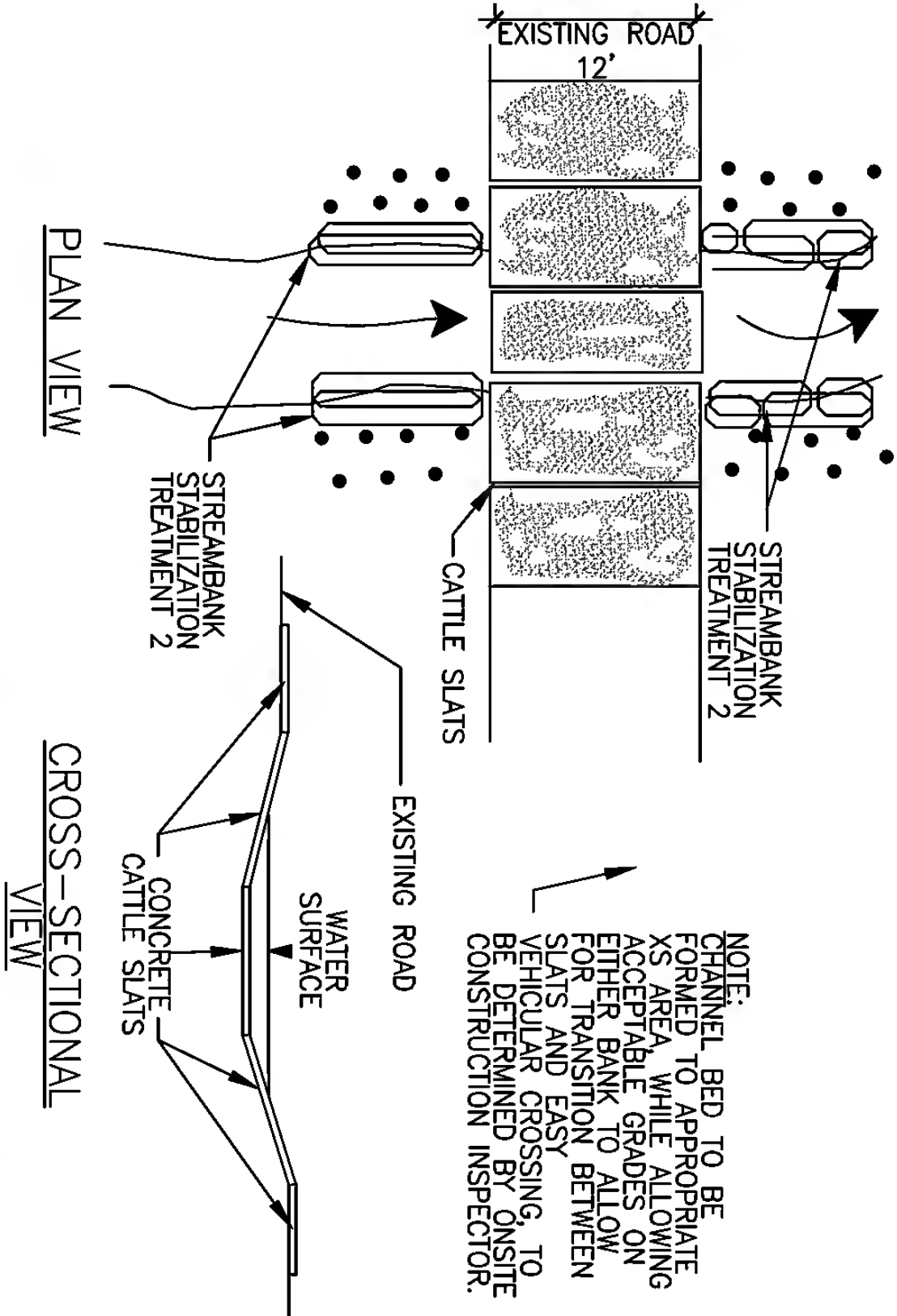


8C SEGMENT III: STATION 20+00 TO 32+00

9 TYPICAL STREAM CROSS SECTION
NOT TO SCALE



8 CATTLE SLAT
NOT TO SCALE



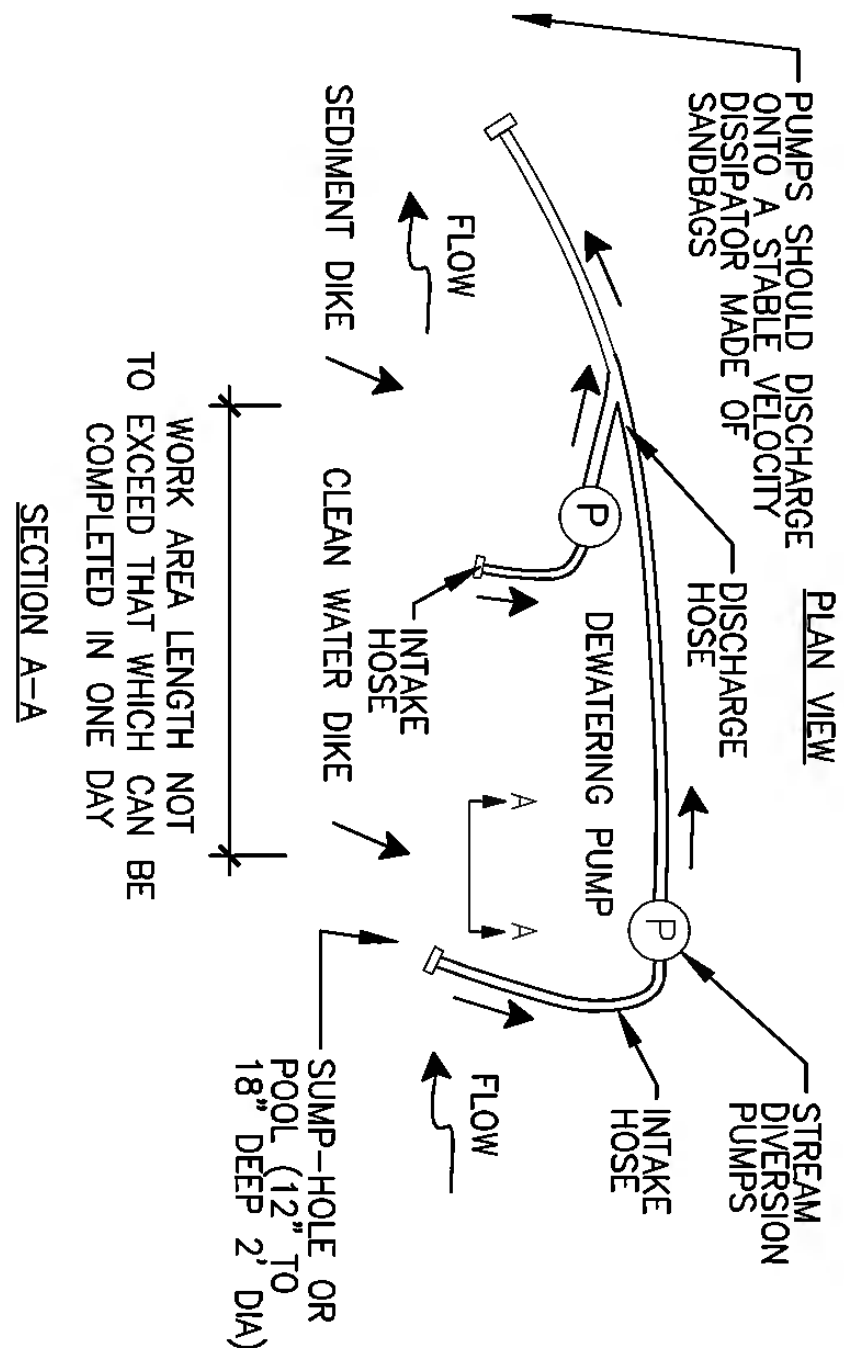
7 DIMATOS CROSSING
NOT TO SCALE

In design of	NOVEMBER, 2007	REVISIONS	COMPLETED CONSTRUCTION
Designed By	1"=20'		Significant Construction Changes Are Shown
Drawn By	0 20' 40'		
Checked By			
NO SIGNATURE REQUIRED, APPROVE PROJECT 5' FROM THE STATE DEPARTMENT L&E		By	Date
		Ckd	Date

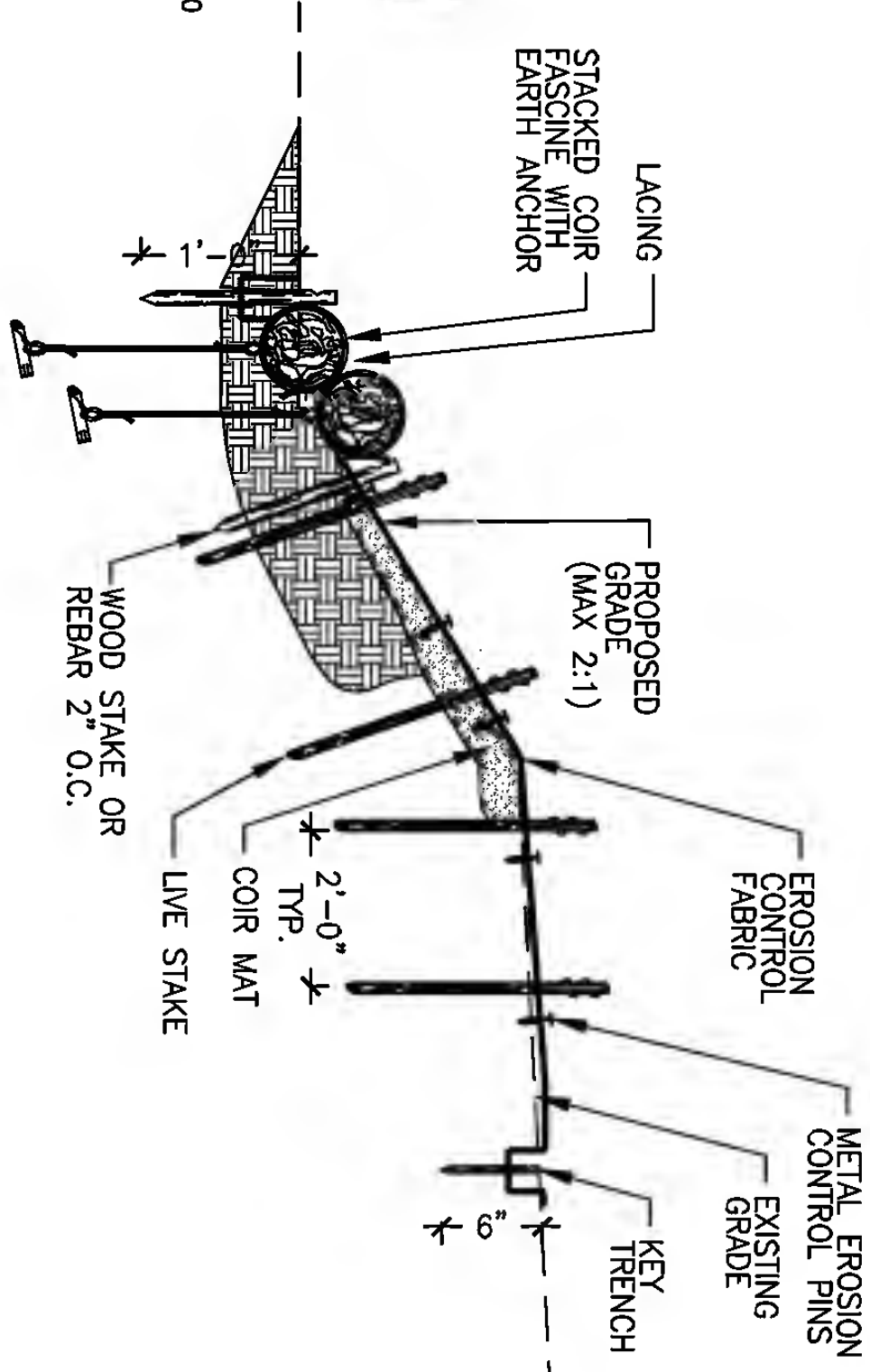
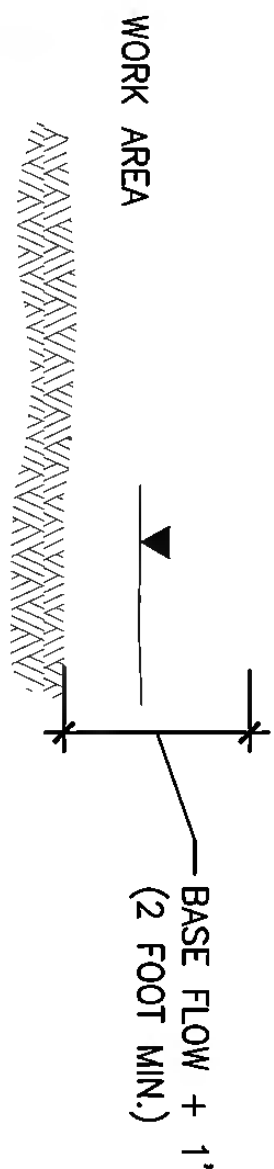
Bioengineering GROUP

Barton Oguidice, P.C.

Engineers - Environmental Scientists - Planners - Landscape Architects

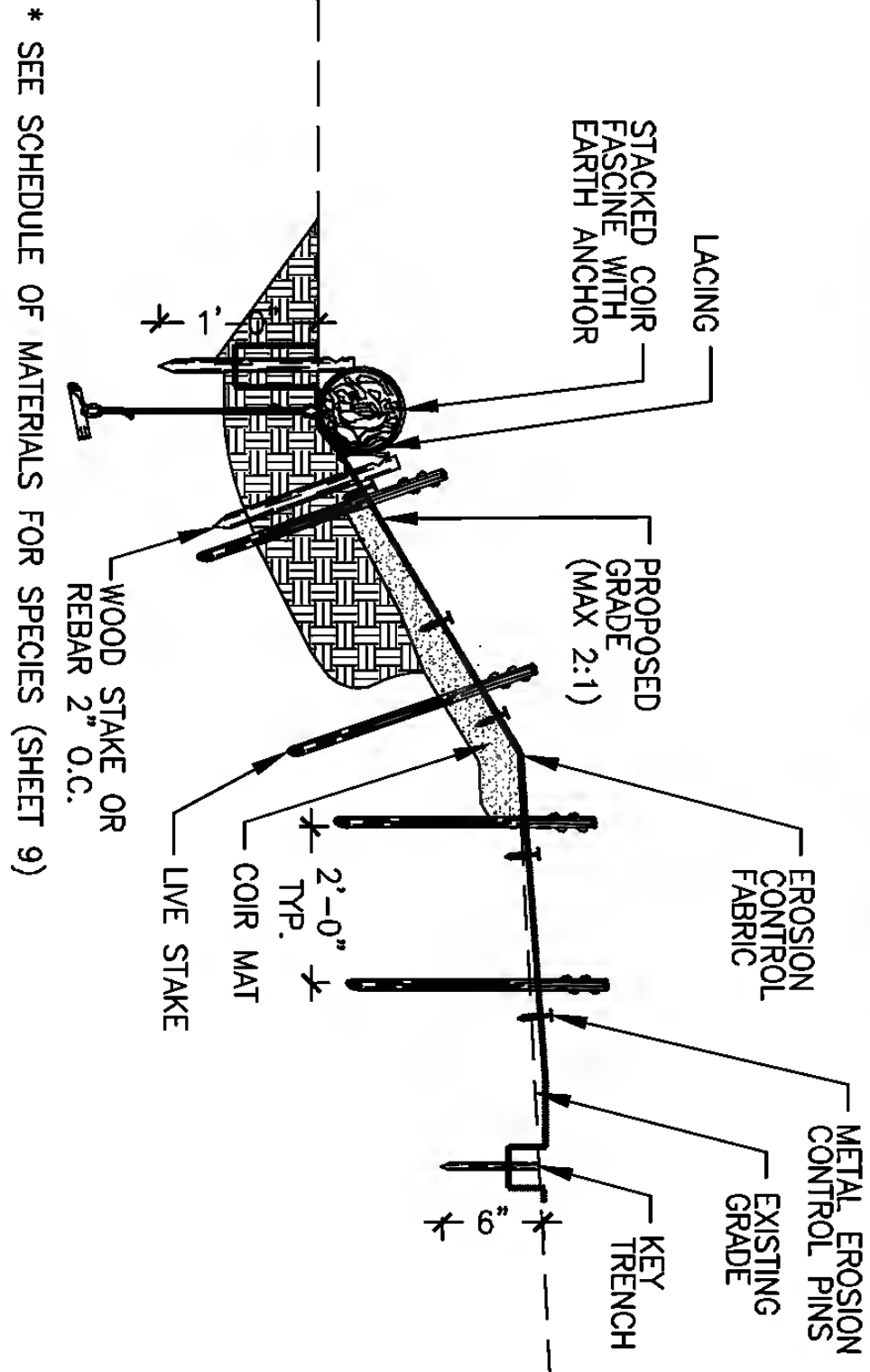


6 PUMP AROUND
NOT TO SCALE



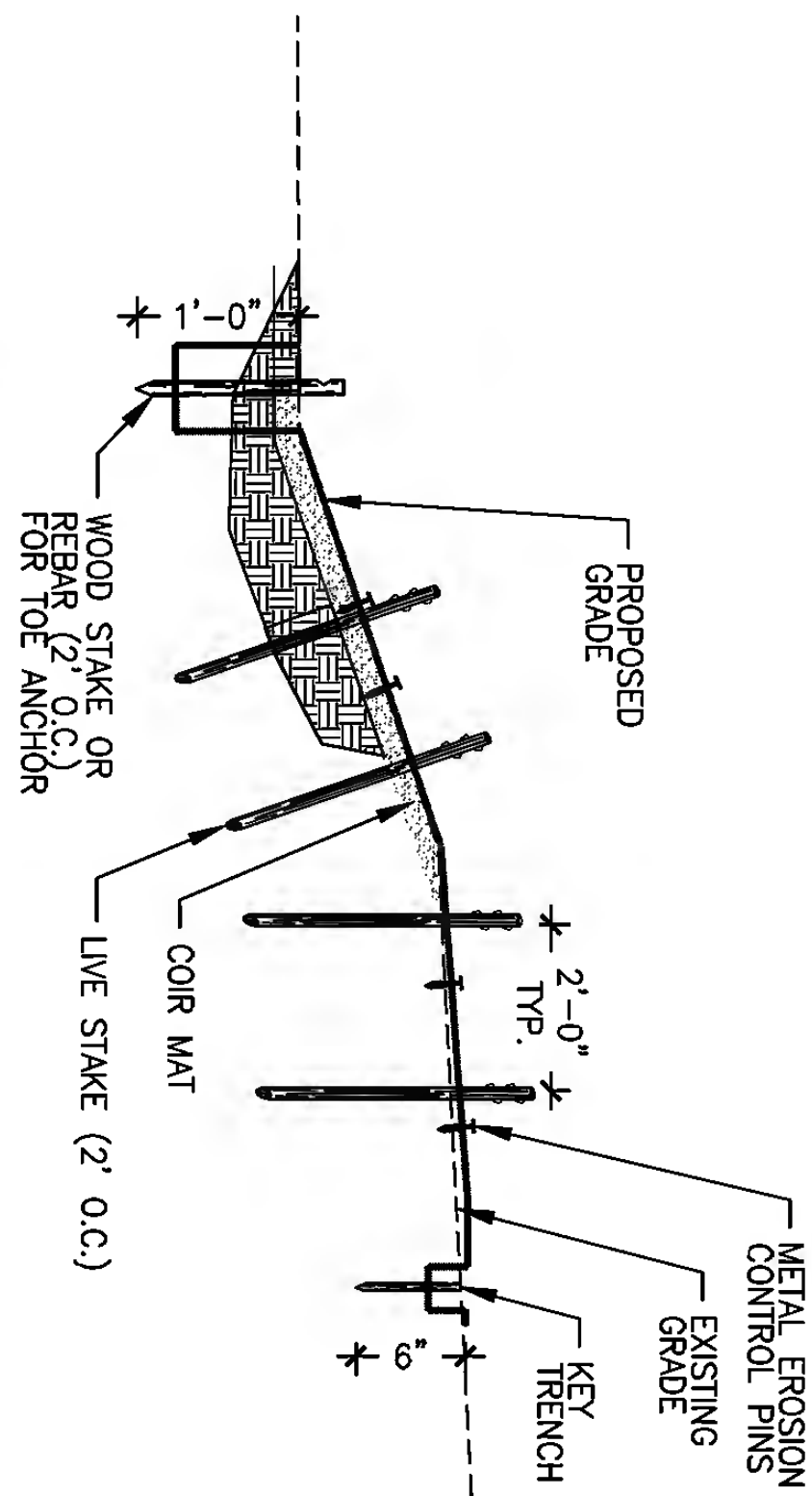
5 STREAMBANK STABILIZATION TREATMENT 3
NOT TO SCALE

* SEE SCHEDULE OF MATERIALS FOR SPECIES (SHEET 9)



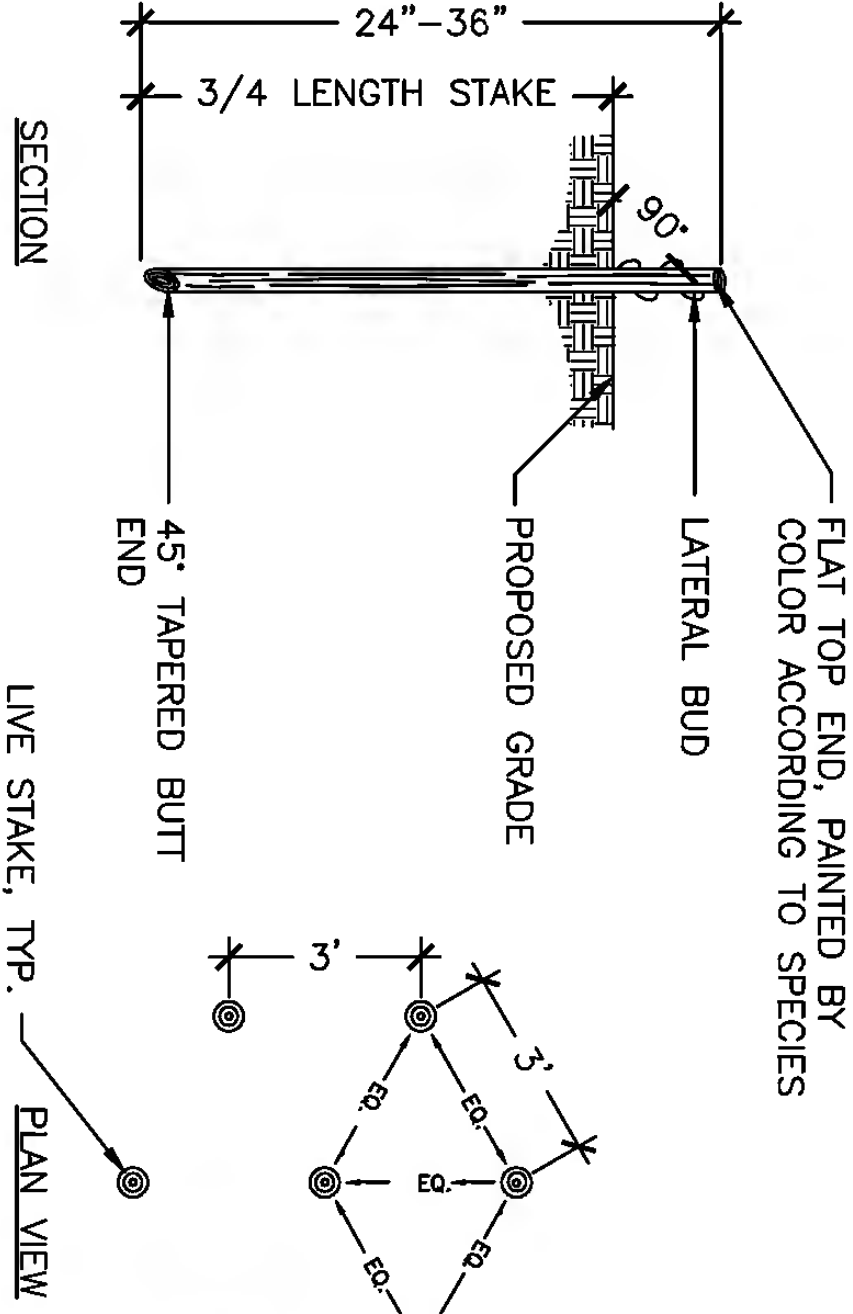
4 STREAMBANK STABILIZATION TREATMENT 2
NOT TO SCALE

* SEE SCHEDULE OF MATERIALS FOR SPECIES (SHEET 9)

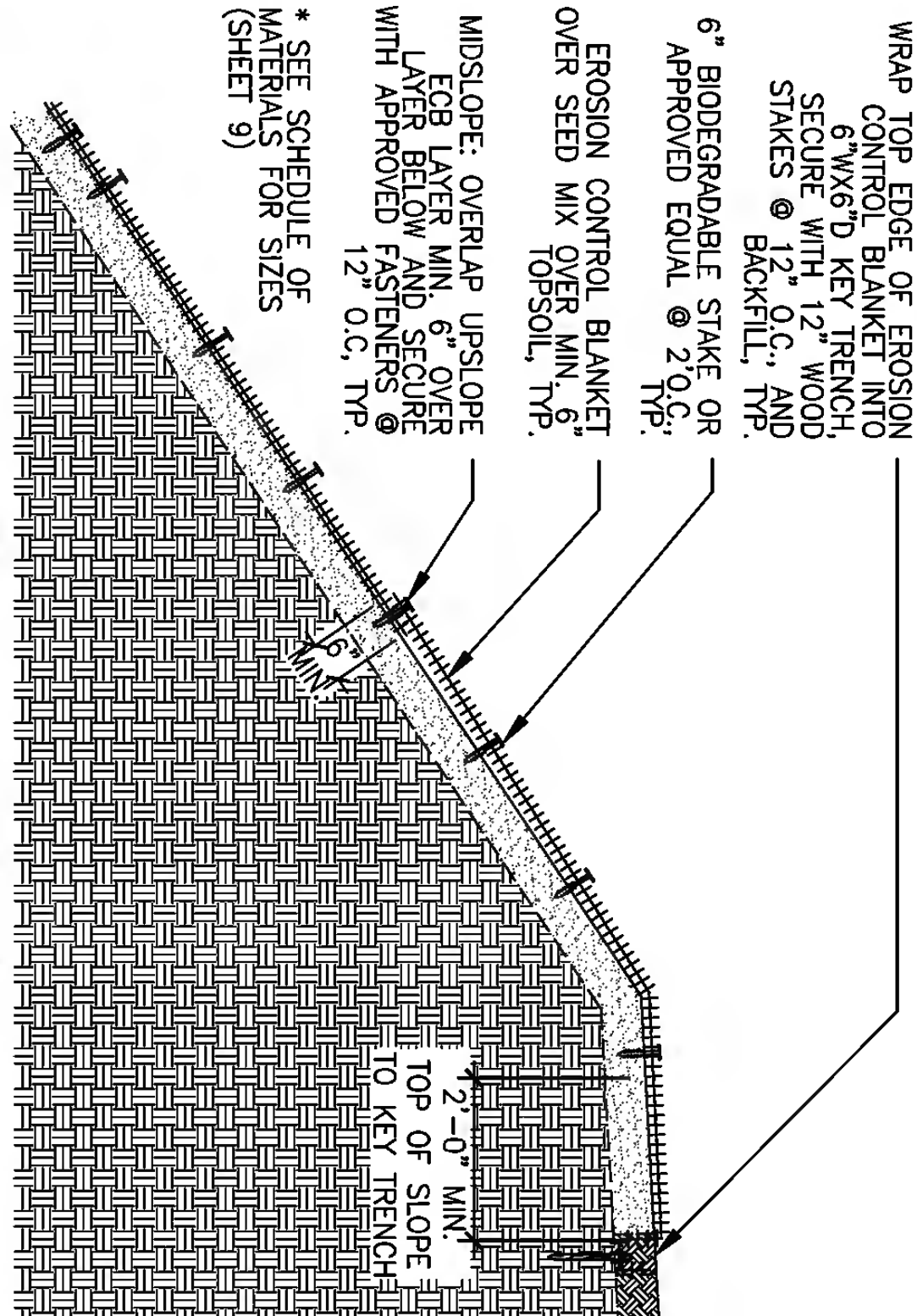


3 STREAMBANK STABILIZATION TREATMENT 1
NOT TO SCALE

* SEE SCHEDULE OF MATERIALS FOR SPECIES (SHEET 9)



2 LIVE STAKE PLANTING
NOT TO SCALE



1 EROSION CONTROL BLANKET
NOT TO SCALE

APPENDIX CORPORATION

HERRICK HOLLOW CREEK RESTORATION

DETAILS (SHEET 1 OF 2)

PRELIMINARY

824.006-19F

Sheet Number

19

File Number

824.006-19F

TOWN OF SIDNEY AND MASONVILLE

DELAWARE COUNTY, NEW YORK

PRELIMINARY

SPECIES	DIMENSIONS
CORNUS AMOMIUM (SILKY DOGWOOD)	24" TO 36"
SAUX BONPLANDIANA (PUSSY WILLOW)	24" TO 36"
CORNUS SERICEA STOLONIFERA (RED OSIER DOGWOOD)	24" TO 36"
SAUX PURPUREA (STREAMO WILLOW)	24" TO 36"
SAUX NIGRA (BLACK WILLOW)	24" TO 36"
MATERIAL	DIMENSIONS
WOOD STAKES	12" PER EACH ROLE
EROSION CONTROL BLANKET	7.5' BY 96' PER ROLL
COIR MATTRESS	2.5' BY 6' PER ROLL
BIODEGRADABLE WOOD STAKES (DEAD STAKES)	6" PER EACH
COIR FASCINE ROLL	12" BY 20' EACH
GALVANIZED CABLE	¾" BY 4' EACH
U-CLAMP	¾" PER EACH
DUCKBILL EARTH ANCHOR	88 MM PER EACH

DETAIL 5 STREAMBANK STABILIZATION
TREATMENT 3 SHEET 8

SPECIES	DIMENSIONS
CORNUS AMOMIUM (SILKY DOGWOOD)	24" TO 36"
SAUX BONPLANDIANA (PUSSY WILLOW)	24" TO 36"
CORNUS SERICEA STOLONIFERA (RED OSIER DOGWOOD)	24" TO 36"
SAUX PURPUREA (STREAMO WILLOW)	24" TO 36"
SAUX NIGRA (BLACK WILLOW)	24" TO 36"
MATERIAL	DIMENSIONS
WOOD STAKES	12" PER EACH ROLE
EROSION CONTROL BLANKET	7.5' BY 96' PER ROLL
COIR MATTRESS	2.5' BY 6' PER ROLL
BIODEGRADABLE WOOD STAKES (DEAD STAKES)	6" PER EACH

DETAIL 3 STREAMBANK STABILIZATION
TREATMENT 1 SHEET 8

SPECIES	DIMENSIONS
CORNUS AMOMIUM (SILKY DOGWOOD)	24" TO 36"
SAUX BONPLANDIANA (PUSSY WILLOW)	24" TO 36"
CORNUS SERICEA STOLONIFERA (RED OSIER DOGWOOD)	24" TO 36"
SAUX PURPUREA (STREAMO WILLOW)	24" TO 36"
SAUX NIGRA (BLACK WILLOW)	24" TO 36"

DETAIL 2 LIVE STAKE PLANTING
SHEET 8

MATERIAL	DIMENSIONS
EROSION CONTROL BLANKET	7.5' BY 96' EACH
BIODEGRADABLE WOOD STAKES	6" PER EACH
WOOD STAKES	12" PER EACH

DETAIL 1 EROSION CONTROL BLANKET
SHEET 8

GRADATION		
STATION	D ₉₀	D ₈₆
0+00 TO 7+00	44	180
7+00 TO 20+00	73	246
20+00 TO 32+00	30	86
RIFLE LENGTH		
STATION	D ₉₀	D ₈₆
0+00 TO 7+00	4.4'	5.30%
7+00 TO 20+00	5.6'	5.80%
20+00 TO 32+00	10.2'	3.30%

* GRADATION WILL BE DETERMINED IN THE FINAL DESIGN

DETAIL 3 GRAVEL RIFFLE
SHEET 7

STATION	GRADATION D ₈₆
0+00 TO 7+00	29
7+00 TO 20+00	38
20+00 TO 32+00	28
STATION	POOL LENGTH
0+00 TO 7+00	3.7'
7+00 TO 20+00	4.7'
20+00 TO 32+00	8.4'

* GRADATION WILL BE DETERMINED IN THE FINAL DESIGN

DETAIL 4 SCOUR HOLE CONSTRUCTION
SHEET 7

Bioengineering
C R O U P
Building Resilient Infrastructure
with an Ecological Foundation

Barton
Ecoguidice, P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects

APPENDIX CORPORATION
HERRICK HOLLOW CREEK RESTORATION

DETAILS
(SHEET 2 OF 2)

TOWN OF SIDNEY AND MASONVILLE
DELAWARE COUNTY, NEW YORK

PRELIMINARY

Sheet Number
20
File Number
824.006-20F

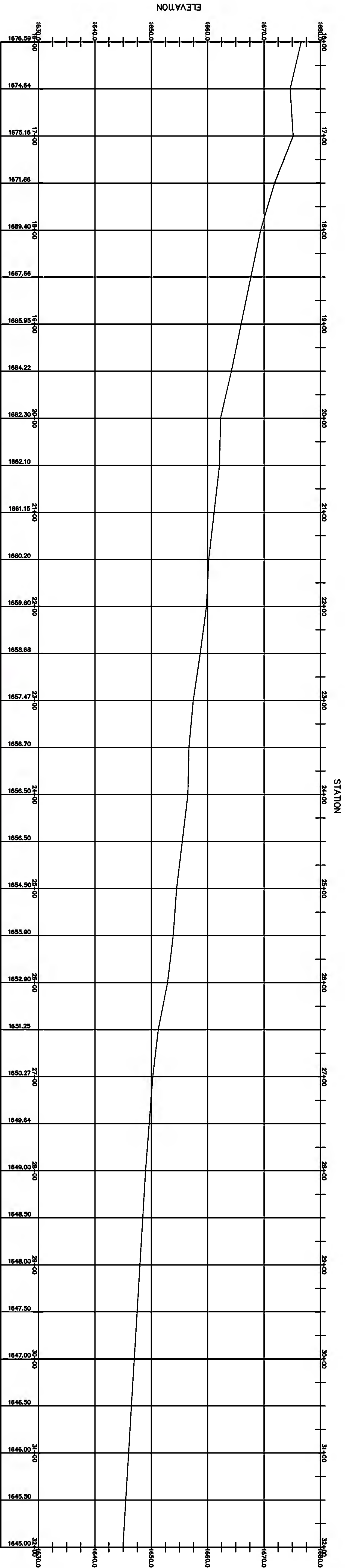
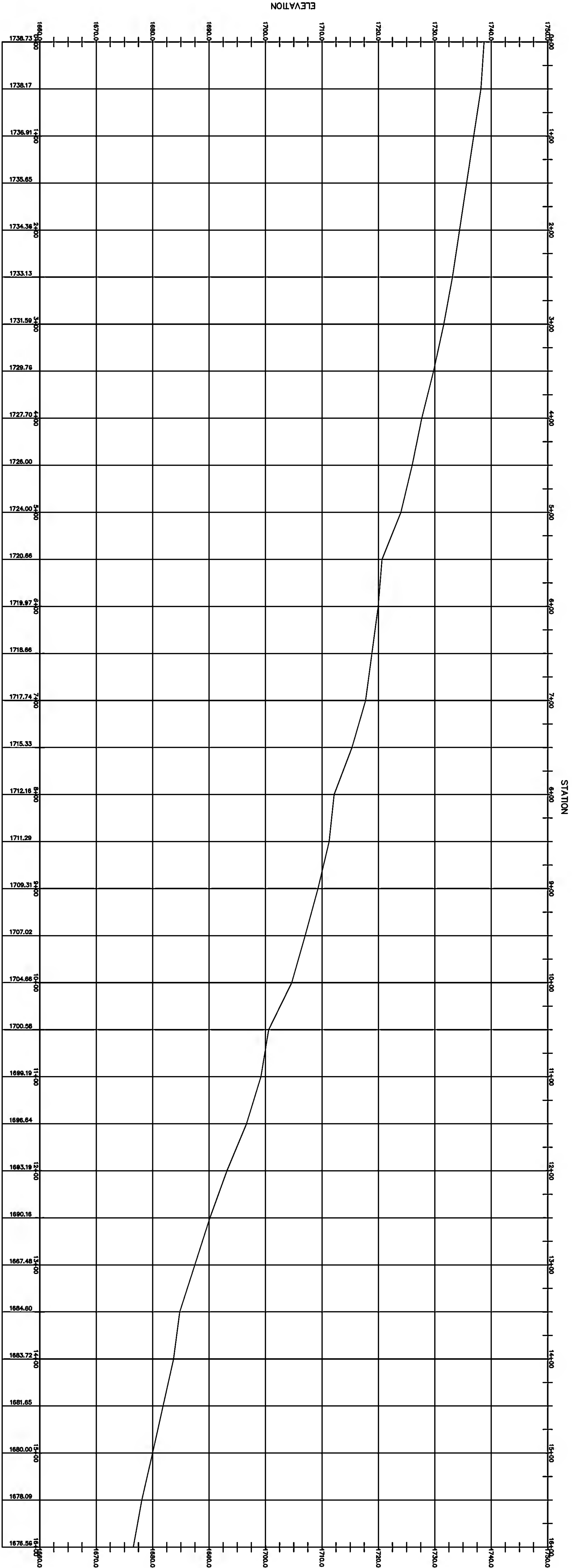
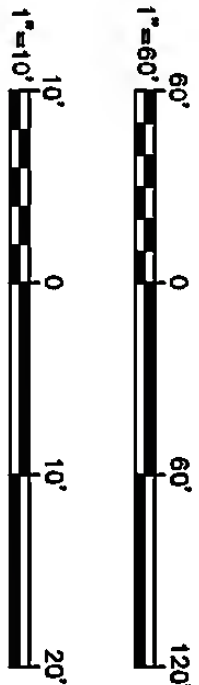
Designed by _____	NOVEMBER, 2007 	REVISIONS	COMPLETED CONSTRUCTION Significant Construction Changes Are Shown
Drawn by _____			
Checked by _____			
By _____ Date _____			
City _____ Date _____			

11/08/07-SYR-JRS, LAST MODIFIED
\\SHARED\800\824006\824006_17-19

X: XREF(5).W / (NOT/THMT)
M: 11/13/07 11:01:13
P: STANDARD.PCS.CTB

PRELIMINARY

PROFILE VIEW: HERRICK HOLLOW
HORIZONTAL SCALE: 1"=60'
VERTICAL SCALE: 1"=10'



X: 1067(S)_W_(NOT/TWIST)
L: 15+06.13
P: STANDARD.PC3.CTB

11/09/07-SYR-JOS, LAST MODIFIED
\\SHARED\\200\\824006\\824006_20

In design of _____	NOVEMBER, 2007	AS SHOWN	REVISIONS	COMPLETED CONSTRUCTION
Designed by _____				
Drawn by _____				
Checked by _____				
2 OF 10 SHEETS SEE SHEET 824.006-21F FOR THE NEXT SHEET INDICATION LINE				
By _____ Date _____ Ok'd _____ Date _____				



Bioengineering
OF O U
Building Sustainable Communities
on an Ecological Foundation



Engineers - Environmental Scientists - Planners - Landscape Architects

ARPHENAL CORPORATION		PRELIMINARY	Sheet Number 21
HERRICK HOLLOW CREEK RESTORATION			
STREAM PROFILE		File Number 824.006-21F	
TOWN OF SIDNEY AND MASONVILLE		DELAWARE COUNTY, NEW YORK	