

SCOFIELDTOWN PARK LANDFILL OFF-SITE IMPACT EVALUATION STATUS REPORT

1ST QUARTER

Prepared for

City of Stamford
Stamford, Connecticut

Prepared by



Windsor, Connecticut

July 2012

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1.0 INTRODUCTION

The following is the initial and first quarter status report on the tasks that TRC completed for the Scofieldtown Park Landfill Off-Site Impact Evaluation in accordance with our Work Plan dated March 2011:

2.0 TASK 1 – MONITORING WELL INSTALLATION

TRC installed additional wells to add to the existing monitoring well network between March 6, 2012 and April 5, 2012. Thirty-four wells were installed at nineteen locations within the study area. Wells were installed as clustered pairs consisting of a shallow overburden monitoring well and a deeper, cased and sealed bedrock monitoring well at seventeen locations, except for two locations where groundwater was not observed within the overburden soils precluding the need of installing shallow overburden wells at these locations (MW-10 (OB) and MW-19 (OB)). Shallow overburden wells (MW-6 (OB) and MW-9 (OB)) were also installed at these two locations where bedrock monitoring wells had previously been installed in December 2009, to provide the clustered pairs at these locations. Of the 34 wells installed, 20 were installed within the limits of the historical landfill area. The remaining 14 wells were installed adjacent to and surrounding the landfill. A map entitled Figure 2, *Monitoring Well and Sample Location Map* showing the surveyed locations of all monitoring wells is attached.

3.0 TASK 2 – MONITORING WELL SAMPLING AND LABORATORY ANALYTICAL RESULTS

TRC sampled groundwater from 43 of the 45 monitoring wells between May 7th and 15th, 2012 which comprise the well network within and around the former landfill area. Two wells, MW-11 (OB) and MW-15 (OB) were not sampled due to a low water table at these locations. The results of the laboratory testing of the groundwater samples are summarized in Table 1, attached to this memorandum. The table only shows results above laboratory method detection limits. The results indicate the following:

3.1 *Volatile Organic Compounds (VOCs)*

VOCs by United States Environmental Protection Agency (EPA) Method 8260 were detected in 14 of the samples collected from the 26 wells located within the former landfill area in various combinations and concentrations while VOCs were detected in three of the samples collected from

the 17 wells surrounding the former landfill. Detections of VOCs associated with petroleum hydrocarbons were reported to be present at concentrations exceeding the Connecticut Remediation Standard Regulations (RSRs) Ground Water Protection Criteria (GWPC), but less than Surface Water Protection Criteria (SWPC) in samples collected from wells MW-1 (OB) and MW-18 (OB) and MW-18 (R). Vinyl chloride was also reported to be present at concentrations exceeding GWPC, but less than SWPC in the sample collected from well MW-18 (R). In addition, two chlorinated solvents (trichloroethylene (TCE) and tetrachloroethylene (PCE)) were reported to be present at concentrations exceeding GWPC, but less than SWPC, in samples collected from wells MW-17 (R), MW-18 (R), and MW-19 (R). TCE and PCE were also reported to be present in the sample collected from MW-25 (R), but at concentrations that were less than both GWPC and SWPC. Furthermore, VOCs associated with the breakdown of drinking water additives were reported to be present in samples collected from wells MW-15 (R) and MW-24 (R). Finally, 1,1-dichloroethylene was reported to be present at concentrations exceeding the Residential Volatilization Criteria (Res. V/C) in the groundwater samples collected from wells MW-18 (R) and MW-19 (R).

3.2 Semi-Volatile Organic Compounds (SVOCs)

SVOCs by EPA Method 8270 were detected in four of the samples collected from the 43 wells located within and around the former landfill. The reported concentrations of the SVOC benzo(b)fluoranthene in the samples collected from wells MW-5 (R) and MW-24 (OB) were slightly above GWPC.

3.3 Extractable Total Petroleum Hydrocarbons (ETPH)

ETPH by the CT ETPH Method was detected in nine of the samples collected from the 43 wells located within and around the former landfill. Concentrations of ETPH were reported to be present exceeding GWPC in the samples collected from wells MW-1 (OB), and MW-23 (R).

3.4 Polychlorinated Biphenyls (PCBs), Chlorinated Herbicides and Chlorinated Pesticides

PCBs by EPA Method 8082 were not detected in any of the groundwater samples collected from the 43 wells located within and around the former landfill.

3.5 Chlorinated Herbicides

Chlorinated herbicides by EPA Method 8151A were not detected in any of the groundwater samples collected from the 43 wells located within and around the former landfill.

3.6 Chlorinated Pesticides

Chlorinated pesticides by EPA Method 8081B were not detected in any of the groundwater samples collected from the 43 wells located within and around the former landfill.

3.7 Metals

Ten of the 15 metals analyzed were reported to be present in various combinations in all samples collected from the 43 wells located in and around the former landfill. Concentrations of arsenic, cadmium, lead, mercury, nickel and zinc were reported to be present exceeding GWPC and SWPC either singularly or in various combinations in either the total or dissolved aliquot from samples collected from MW-1 (OB), MW-9 (OB), MW-12 (R), MW-13 (OB), MW-14 (OB), MW-15 (R), MW-16 (OB), MW-16 (R), MW-23 (R), MW-24 (R) and MW-25 (R).

3.8 General Groundwater Chemistry

General chemistry analysis was performed on each of the collected groundwater samples. Specifically, alkalinity, ammonia, biochemical oxygen demand (BOD) chloride, hardness, nitrate, sulfate, total dissolved solids (TDS) and total suspended solids (TSS) were analyzed to identify potential impacts of the landfill on the general groundwater quality.

There are no RSR criteria for these parameters. These parameters provide an indication of the impact that surface infiltration through the landfill waste material has on the quality of the general groundwater chemistry beneath and emanating from the site.

The concentrations of these parameters in the wells were assessed based on each well's proximity such as background locations (up-gradient to the landfill footprint), locations within the landfill footprint itself and locations down-gradient to the landfill. In this analysis there are clear indications that the landfill is impacting the general chemistry of the groundwater. Further evaluation of these impacts will be conducted as additional data is gathered from subsequent rounds of sampling.

Maps entitled Figure 5, *Groundwater Sample Exceedances* and Figure 6, *Seep and Surface Water/ Sediment sample Exceedances* showing sample locations with boxes summarizing reported elevated contaminant concentration exceedances within collected groundwater samples, leachate seep samples and sediment samples are attached to this memorandum. It should be noted that there were no reported elevated contaminant concentrations within any of the surface water samples collected and therefore there are no associated boxes for surface water. In addition, maps entitled Figure 3, *Bedrock Monitoring Well Groundwater Elevation Contour Map – May 16, 2012* and Figure 4 *Soil Overburden Monitoring Well Groundwater Elevation Contour Map – May 16, 2012* showing groundwater elevations and flow contours for both the soil overburden and bedrock water tables are also attached to this report. The flow contours indicate that groundwater flow within the landfill area is toward the north and east with some discharge to the unnamed stream to the north and Poorhouse Brook to the east. Stream gauges installed within Poorhouse Brook and the unnamed stream have not yet been surveyed and therefore cannot be tied into the groundwater flow contours.

4.0 TASK 3 – SURFACE WATER/ SEDIMENT SAMPLING

Surface water and sediment samples were collected from nine proposed locations on May 16th and 17th, 2012. These locations included: six locations in the unnamed brook that flows along the northern edge of the landfill (SW/SD-01 through SW/SD-06), one location in Poorhouse Brook downstream of Scofieldtown Road (SW/SD-07) and two within the small pond located in Scofieldtown Park (SW/SD-08 and SW/SD-09). Surface water and sediment samples were collected in a downstream to upstream direction in order to minimize the potential of cross-contamination from one sample location to another. At each location, the surface water sample was collected prior to the sediment sample. At each of the nine locations, two sediment samples were collected. One sediment sample was collected from the 0-6 inch interval and was designated as the “A” sample while a second sediment sample was collected from the 6-12 inch interval and was designated as the “B” sample. Four stream gauges were installed within Poorhouse Brook and the unnamed stream during the surface water and sediment sampling event. The locations of these samples are shown on a map entitled Figure 2, *Monitoring Well and Sample Location Map* attached to this document. The results of this sampling have been received and tables with the results are attached to this report (Tables 2 and 3).

4.1 *Surface Water Results*

The surface water sample results were compared to the Numerical Water Quality Criteria for Chemical Constituents of the Connecticut Water Quality Standards (WQS). Specifically, the results were compared to the Acute and Chronic standards for the Aquatic Life Criteria and the standards for the Consumption of Fish and the Consumption of Fish and Water for the Human Health Criteria.

ETPH was reported to be present in sample SW03 at a concentration of 120 ug/L. There are no WQS criteria established for ETPH. Four of the 15 metals (iron, manganese, potassium and sodium) which were analyzed for were reported to be present in all nine surface water samples collected. There are no established WQS criteria for these metals. In addition, zinc was reported to be present in samples collected from three locations at concentrations below the applicable criteria. No VOCs, SVOCs, PCBs, pesticides or herbicides were reported above laboratory method detection limits in any of the collected surface water samples.

4.2 *General Surface Water Chemistry*

General chemistry analysis was performed on each of the collected surface water samples. Specifically, alkalinity, ammonia, biochemical oxygen demand (BOD) chloride, hardness, nitrate, sulfate, total dissolved solids (TDS) and total suspended solids (TSS) were analyzed to identify potential impacts of the landfill on the general groundwater quality.

There are no WQS criteria for these parameters with the exception of chloride. These parameters provide an indication of the impact that surface infiltration through the landfill waste material as well as surface water run-off from the landfill has on the quality of the general surface water chemistry of the receiving surface water bodies.

The concentrations of these parameters at each surface water sample location were assessed based on the surface water body of the sample location and, in particular for the surface water samples collected from the unnamed brook, where along the surface water body the sample was collected. In this analysis there are some indications that the landfill is impacting the general chemistry of the surface water. In particular, the concentrations of chloride reported in the surface water samples SW02 and SW03 appear to indicate a clear impact from the current and historic road salt storage area within the former landfill footprint adjacent to these sample locations. Further evaluation of these impacts will be conducted as additional data is gathered from subsequent rounds of sampling.

4.3 Sediment Sample Results

Four VOCs were reported to be present either singularly or in combination in samples collected from three of the nine locations at concentrations below the RSR criteria for soil. Thirteen SVOCs were reported to be present either singularly or in various combinations in samples collected from five of the nine locations at concentrations below the applicable RSR criteria (Residential Direct Exposure Criteria (RDEC)), with the exception of benzo(a)anthracene, benzo(a)pyrene and benzo(b)fluoranthene which were reported to be present at concentrations exceeding the RSR criteria within the sample collected from the 0-6 inch interval sample from location SD-07 which is located within Poorhouse Brook downstream from Scofieldtown Road. In addition, several of the reported SVOC concentrations were greater than the corresponding National Oceanic and Atmospheric Administration (NOAA) screening level concentrations for inorganic and organic contaminants in sediments. ETPH was reported to be present in the 0-6 inch interval samples collected from two of the nine locations at concentrations below the RSR criteria.

Eight of the 13 metals analyzed were reported to be present in various combinations in samples collected from all nine sediment sample locations in both the 0-6 inch and 6-12 inch intervals. Arsenic was reported to be present at concentrations which exceeded the RDEC in samples collected from two locations (SD-1B and SD-10A (duplicate of SD-06A)). In addition, lead was reported to exceed the RDEC in the sample collected from location SD-02A. No other reported metal concentrations exceeded the RSR criteria. In addition, 45% of the reported metal concentrations were greater than the corresponding NOAA screening levels. Total organic carbon (TOC) as a percentage was reported to be present in all but one of the sediment samples collected and ranged from 0.75 % to 21.5%.

No PCBs, pesticides or herbicides were reported above laboratory method detection limits in any of the collected sediment samples.

5.0 TASK 4 – LEACHATE SEEP SAMPLING

Five leachate seep samples were collected from the areas along the northern boundary of the former landfill area identified during the leachate seep inspection conducted on June 16, 2012. Leachate seeps were identified as well-defined points or areas of discharge of groundwater from the slope of the former landfill along the northern boundary which, in all five identified areas, discharged

to the unnamed brook which flows along the northern boundary. The locations of these samples are shown on a map entitled Figure 2, *Monitoring Well and Sample Location Map* attached to this document. The results of this sampling are attached to this report (Table 4). Concentrations of VOCs associated with petroleum hydrocarbons were reported in three of six samples collected (including the duplicate). The reported concentration of benzene, exceeded the GWPC, in the sample collected from seep location SP-4. ETPH was reported to be present exceeding GWPC in the samples collected from seep locations SP-4 and SP-3. Several SVOCs (PAHs) were reported to be present exceeding GWPC in the sample collected from seep location SP-1. In addition, low concentrations of the chlorinated pesticides, 4,4-DDD and 4,4-DDE were reported to be present in the sample collected from seep location SP-1. No other pesticides were detected above the detection limits in any other seep samples, nor were there any PCBs or chlorinated herbicides reported to be present in any of the seep samples.

Twelve of the 15 metals analyzed were reported to be present in various combinations in the samples collected from all five seep locations. Concentrations of arsenic, cadmium, copper, lead, nickel, silver and zinc exceeding RSR criteria were reported for total metals analysis (EPA Method 200.7) either singularly or in various combinations to be present in all seep samples collected. It should be noted that far fewer metals were reported to be present in the dissolved metals aliquot (EPA Method 200.8) for each of the seep samples collected and no exceedances of any metal were reported for the dissolved metal aliquot in any of the seep samples collected. The reported metals within the leachate seep samples seem to be associated with suspended solids within the seep samples. The metal concentrations in the surface water samples collected in the vicinity of the leachate seep samples reflect similar low metal concentrations due to low suspended solids.

5.1 *General Leachate Seep Chemistry*

General chemistry analysis was performed on each of the collected leachate seep samples. Specifically, alkalinity, ammonia, biochemical oxygen demand (BOD) chloride, hardness, nitrate, sulfate, total dissolved solids (TDS) and total suspended solids (TSS) were analyzed to identify potential impacts of the landfill on the general groundwater quality.

There are no RSR criteria for these parameters. These parameters provide an indication of the impact that surface infiltration through the landfill waste material has on the quality of the general leachate seep chemistry emanating from the identified seep locations.

The concentrations of these parameters at each leachate seep location were assessed based on the location of seep along the unnamed brook as well as a comparison to the general groundwater chemistry of groundwater samples collected from wells in close proximity to each seep location. In this analysis there seems to be a strong correlation between the general leachate seep chemistry and the proximal groundwater chemistry. Further evaluation of these relationships will be conducted as additional data is gathered from subsequent rounds of sampling.

6.0 TASK 5 – REPORTING, REVIEW AND MEETINGS

This task is in progress and will continue as data is acquired from all aspects of the investigation. Regarding the collection of groundwater, surface water and leachate seep samples, this round of sample collection is one of four quarterly events which will be conducted over the next year with each round roughly corresponding to the middle of each season.

7.0 CONCLUSIONS

- The results of the groundwater sampling indicate that a release of chlorinated VOCs in the northeastern area of the landfill is impacting groundwater in that location. While concentrations of these VOCs are above RSR criteria on-site, the concentrations decrease in the down-gradient direction and the concentration of trichloroethylene in the well on the Magnet School site is below GWPC.
- No pesticides, including chlordane and dieldrin, were reported to be present in any of the monitoring well samples, on- or off-site.
- Petroleum VOCs were reported to be present in the samples from the monitoring wells where petroleum compounds were previously identified.
- ETPH was reported to be present in an off-site bedrock well near the Community Gardens. The source of this ETPH is currently unknown.
- Elevated concentrations of metals in the seep samples appear to be related to the presence of suspended solids in the samples rather than dissolved in the groundwater. In addition, elevated concentrations of these metals are not present in the surface water.
- Although concentrations of metals and SVOCs were reported in the sediment samples, these contaminants are commonly found in suburban watersheds. The landfill may not be the only source as surface water runoff from roadways may also be a contributor to the contaminants found in the sediment.
- TRC has thoroughly evaluated the data obtained from the first quarter of sampling of the monitoring wells, surface water, leachate seep and sediment sampling locations. This evaluation indicates that no immediate corrective action is needed to prevent further impact to down-gradient receptors.

TABLES

Table 1
Ground Water Analytical Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

VOCs
SVOCs
ETPH

Well ID: Sample Date: Lab Report:	CT RSR Criteria				MW-1 OB	MW-1A OB	MW-1 R	MW-2 OB	MW-2 R	MW-3 OB	MW-3 R	MW-4 OB	MW-4 R	MW-5 R	MW-6 OB	MW-6 R	MW-9 OB	MW-9 R	MW-10 R	MW-11 R
	GWPC	SWPC	Res. V/C	I/C V/C	5/8/2012 12050186	5/8/2012 12050186	5/8/2012 12050186	5/15/2012 12050360	5/15/2012 12050360	5/10/2012 12050273	5/10/2012 12050273	5/9/2012 12050225	5/9/2012 12050225	5/10/2012 12050273	5/8/2012 12050186	5/7/2012 1250178	5/14/2012 12050332	5/15/2012 12050360	5/11/2012 12050307	5/10/2012 12050273
Analysis/ Analytes	Notes:				On-site	Duplicate of MW-1 OB	On-site	On-site	On-site	On-site	On-site	Off-site	Off-site	Off-site	On-site	On-site	On-site	On-site	On-site	On-site
Volatiles Organic Compounds (VOCs)																				
Method 8260 (µg/l)																				
1,1,1-Trichloroethane (TCA)		200	62,000	20,400	50,000															
1,1-Dichloroethane		70	~	34,600	50,000															
1,1-Dichloroethene (1,1-Dichloroethylene)		7	96	1	6															
1,2,4-Trimethylbenzene		~	~	~	~	40	41													
1,2-Dichlorobenzene		600	170,000	30,500	50,000															
1,3,5-Trimethylbenzene		~	~	~	~	14	15													
1,4-Dichlorobenzene		75	26,000	50,000	50,000	21	21													
4-Isopropyltoluene		~	~	~	~	2.1	2.3													
Benzene		1	710	215	530	44	44													
Bromodichloromethane		~	~	~	~															
Chlorobenzene		100	420,000	1,800	6,150	13	13			3.1						2				
Chloroform		6	14,100	287	710				1.2	4.7										
cis-1,2-Dichloroethene		70	~	~	~															
Ethylbenzene		700	580,000	50,000	50,000	78	79													
Isopropylbenzene		~	~	~	~	4.3	4.5													
m+p Xylenes		530	~	21,300	50,000	86	85													
n-Butylbenzene		~	~	~	~		1.7													
n-Propylbenzene		~	~	~	~	4.8	4.9													
Naphthalene		280	~	~	~	66	83													
o-Xylene		530	~	21,300	50,000	25	25													
sec-Butylbenzene		~	~	~	~	1.1	1.2													
Tetrachloroethylene (PCE)		5	88	1,500	3,820															
Toluene		1,000	4,000,000	23,500	50,000	11	11													
Trichloroethylene (TCE)		5	2,340	219	540				1.5											
Vinyl Chloride		2	15,750	2	2															
Semi-Volatile Organic Compounds (SVOCs)																				
Method 8270 (µg/l)																				
2-Methyl Naphthalene		~	~	~	~	1.4	1.4													
Benzo[b]fluoranthene		0.08	0.3	~	~									0.11						
Naphthalene		280	~	~	~	19	19													
Phenanthrene		200	0.3	~	~															
Extractable Total Petroleum Hydrocarbons (ETPH)																				
CTETPH Method (µg/l)																				
		500	~	~	~	1,300	1,600		240										350	

Notes:

- Blank = analyte below method detection limits. All detection limits verified below the applicable criteria for each constituent.
- ~ = No Standard established.
- For water samples **bolded** values exceed the RSR GWPC for the parameter.
- For water samples **underlined** values exceed the RSR SWPC for the parameter.
- For water samples shaded values exceed the RSR Res. V/C for the parameter.
- For water samples *italicised* values exceed the RSR I/C V/C for the parameter.
- RSR criteria are in the same units as the analyte.

Legend:

- OB: Soil Overburden Monitoring Well
- R: Bedrock Monitoring Well
- RSR: Remediation Standard Regulations
- GWPC: Ground Water Protection Criteria
- SWPC: Surface Water Protection Criteria
- Res. V/C: Residential Volatilization Criteria
- I/C V/C: Industrial/ Commercial Volatilization Criteria



Table 1
Ground Water Analytical Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

PCBs, Pesticides
Herbicides, Total PP Metals plus K and Na
Dissolved PP Metals and Chemistry

Well ID: Sample Date: Lab Report:	CT RSR Criteria				MW-1 OB	MW-1A OB	MW-1 R	MW-2 OB	MW-2 R	MW-3 OB	MW-3 R	MW-4 OB	MW-4 R	MW-5 R	MW-6 OB	MW-6 R	MW-9 OB	MW-9 R	MW-10 R	MW-11 R
	GWPC	SWPC	Res. V/C	I/C V/C	5/8/2012 12050186	5/8/2012 12050186	5/8/2012 12050186	5/15/2012 12050360	5/15/2012 12050360	5/10/2012 12050273	5/10/2012 12050273	5/9/2012 12050225	5/9/2012 12050225	5/10/2012 12050273	5/8/2012 12050186	5/7/2012 1250178	5/14/2012 12050332	5/15/2012 12050360	5/11/2012 12050307	5/10/2012 12050273
Analysis/ Analytes	Notes:				On-site	Duplicate of MW-1 OB	On-site	On-site	On-site	On-site	On-site	Off-site	Off-site	Off-site	On-site	On-site	On-site	On-site	On-site	On-site
Polychlorinated Biphenyls (PCBs)																				
Method 8082 (µg/l)																				
Chlorinated Pesticides																				
Method 8081B (µg/l)																				
Chlorinated Herbicides																				
Method 8151A (µg/l)																				
Total Priority Pollutant Metals plus K & Na																				
Method 200.7 (µg/l)																				
Arsenic		50	4	~	~	<u>12</u>	<u>11</u>													
Cadmium		5	6	~	~															
Iron		~	~	~	~	9,800	10,000	4,800	15,000	8,700	8,000	4,400	200	210	540	33,000	13,000	7,200	140	340
Lead		15	13	~	~													<u>20</u>		
Manganese		~	~	~	~	210	210	22,000	2,300	2,300	170	5,300	57		990	5,200	130	46	970	270
Nickel		100	880	~	~															
Potassium		~	~	~	~	83,000	88,000	7,800	24,000	15,000	8,200	3,000	1,400	2,300	84,000	16,000	4,600	9,300	11,000	2,300
Selenium		50	50	~	~															
Sodium		~	~	~	~	8,800,000	9,000,000	1,000,000	63,000	51,000	140,000	89,000	24,000	130,000	9,500	69,000	470,000	27,000	40,000	450,000
Zinc		5,000	123	~	~															
Dissolved Priority Pollutant Metals																				
Method 200.8 (µg/l)																				
Arsenic		50	4	~	~	<u>8.7</u>	<u>11</u>													
Cadmium		5	6	~	~															
Iron		~	~	~	~	150		1,600		870	4,800	2,800			6,500	100	5,500			
Lead		15	13	~	~													<u>17</u>		
Manganese		~	~	~	~	190	180	27,000	2,200	2,000	150	5,700	54		1,000	5,200	130	210	860	250
Mercury		2	0.4	~	~															
Nickel		100	880	~	~															
Zinc		5,000	123	~	~															
General Chemistry (µg/l)																				
Alkalinity, Tot(CaCO3)		~	~	~	~	870,000	820,000	210,000	620,000	305,000	130,000	65,000	42,000	46,000	35,000	610,000	380,000	105,000	83,000	110,000
Ammonia as N		~	~	~	~	13,000	13,000	220	850	600	270					3,000	1,500	190		
Biochemical Oxygen Demand, 5 Day		~	~	~	~	720,000	660,000	75,000	56,000	48,000					16,000	72,000	48,000	36,000	16,000	5,300
Chloride		~	~	~	~	14,000,000	14,000,000	1,730,000	100,000	81,000	220,000	230,000	13,000	220,000	5,100	100,000	960,000	38,000	71,000	820,000
Hardness		~	~	~	~	580,000	610,000	540,000	590,000	290,000	94,000	160,000	33,000	55,000	28,000	450,000	510,000	88,000	91,000	270,000
Nitrate as N		~	~	~	~								960	1,300	630					200
Sulfate		~	~	~	~	12,000	13,000	27,000	33,000	19,000	1,000	12,000	3,100	21,000	15,000		6,900	3,100	19,000	27,000
Total Dissolved Solids		~	~	~	~	100,000	120,000	110,000	700,000	400,000	100,000	110,000	120,000	110,000	100,000	110,000	160,000	210,000	230,000	1,500,000
Total Suspended Solids		~	~	~	~	71,000	81,000	21,000	44,000	24,000	14,000				5,000	11,000	78,000	45,000	10,000	28,000

- Notes:
- Blank = analyte below method detection limits. All detection limits verified below the applicable criteria for each constituent.
 - ~ = No Standard established.
 - For water samples **bolded** values exceed the RSR GWPC for the parameter.
 - For water samples underlined values exceed the RSR SWPC for the parameter.
 - For water samples shaded values exceed the RSR Res. V/C for the parameter.
 - For water samples *italicised* values exceed the RSR I/C V/C for the parameter.
 - RSR criteria are in the same units as the analyte.

Legend:
OB: Soil Overburden Monitoring Well
R: Bedrock Monitoring Well
RSR: Remediation Standard Regulations
GWPC: Ground Water Protection Criteria
SWPC: Surface Water Protection Criteria
Res. V/C: Residential Volatilization Criteria
I/C V/C: Industrial/ Commercial Volatilization Criteria



Table 1
Ground Water Analytical Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

VOCs
SVOCs
ETPH

Well ID: Sample Date: Lab Report:	CT RSR Criteria				MW-12 OB	MW-12 R	MW-13 OB	MW-13 R	MW-14 OB	MW-14 R	MW-15 R	MW-16 OB	MW-16 R	MW-17 OB	MW-17A OB	MW-17 R	MW-18 OB	MW-18 R
	GWPC	SWPC	Res. V/C	I/C V/C	5/9/2012 12050225	5/9/2012 12050225	5/11/2012 12050307	5/14/2012 12050332	5/7/2012 1250178	5/7/2012 1250178	5/8/2012 12050186	5/14/2012 12050332	5/15/2012 12050360	5/14/2012 12050332	5/14/2012 12050332	5/14/2012 12050332	5/14/2012 12050332	5/14/2012 12050332
Analysis/ Analytes	Notes:				On-site	On-site	On-site	On-site	On-site	On-site	On-site	On-site	On-site	On-site	Duplicate of MW-17A OB	On-site	On-site	On-site
Volatile Organic Compounds (VOCs)																		
Method 8260 (µg/l)																		
1,1,1-Trichloroethane (TCA)		200	62,000	20,400	50,000													
1,1-Dichloroethane		70	~	34,600	50,000													6.5
1,1-Dichloroethene (1,1-Dichloroethylene)		7	96	1	6													3.6
1,2,4-Trimethylbenzene		~	~	~	~				1.1								10	
1,2-Dichlorobenzene		600	170,000	30,500	50,000												3.3	
1,3,5-Trimethylbenzene		~	~	~	~												3.3	
1,4-Dichlorobenzene		75	26,000	50,000	50,000												2.4	
4-Isopropyltoluene		~	~	~	~												4.1	
Benzene		1	710	215	530												1.1	2.5
Bromodichloromethane		~	~	~	~													
Chlorobenzene		100	420,000	1,800	6,150					2.6	1.9						5.8	
Chloroform		6	14,100	287	710						11							
cis-1,2-Dichloroethene		70	~	~	~											15		220
Ethylbenzene		700	580,000	50,000	50,000												6.2	
Isopropylbenzene		~	~	~	~												43	
m+p Xylenes		530	~	21,300	50,000												8.7	
n-Butylbenzene		~	~	~	~													
n-Propylbenzene		~	~	~	~												35	
Naphthalene		280	~	~	~													
o-Xylene		530	~	21,300	50,000													
sec-Butylbenzene		~	~	~	~												5.1	
Tetrachloroethylene (PCE)		5	88	1,500	3,820													12
Toluene		1,000	4,000,000	23,500	50,000		3.2			1.2								
Trichloroethylene (TCE)		5	2,340	219	540											12		160
Vinyl Chloride		2	15,750	2	2													110
Semi-Volatile Organic Compounds (SVOCs)																		
Method 8270 (µg/l)																		
2-Methyl Naphthalene		~	~	~	~													6
Benzo[b]fluoranthene		0.08	0.3	~	~													
Naphthalene		280	~	~	~													
Phenanthrene		200	0.3	~	~												0.15	
Extractable Total Petroleum Hydrocarbons (ETPH)																		
CTETPH Method (µg/l)																		
		500	~	~	~									330	400	250	430	140

- Notes:
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 - For water samples underlined values exceed the RSR SWPC for the parameter.
 - For water samples shaded values exceed the RSR Res. V/C for the parameter.
 - For water samples *italicised* values exceed the RSR I/C V/C for the parameter.
 - RSR criteria are in the same units as the analyte.

- Legend:
- OB: Soil Overburden Monitoring Well
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Table 1
Ground Water Analytical Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

PCBs, Pesticides
Herbicides, Total PP Metals plus K and Na
Dissolved PP Metals and Chemistry

Well ID: Sample Date: Lab Report:	CT RSR Criteria				MW-12 OB	MW-12 R	MW-13 OB	MW-13 R	MW-14 OB	MW-14 R	MW-15 R	MW-16 OB	MW-16 R	MW-17 OB	MW-17A OB	MW-17 R	MW-18 OB	MW-18 R
	GWPC	SWPC	Res. V/C	I/C V/C	5/9/2012 12050225	5/9/2012 12050225	5/11/2012 12050307	5/14/2012 12050332	5/7/2012 1250178	5/7/2012 1250178	5/8/2012 12050186	5/14/2012 12050332	5/15/2012 12050360	5/14/2012 12050332	5/14/2012 12050332	5/14/2012 12050332	5/14/2012 12050332	5/14/2012 12050332
Analysis/ Analytes	Notes:				On-site	On-site	On-site	On-site	On-site	On-site	On-site	On-site	On-site	On-site	Duplicate of MW-17A OB	On-site	On-site	On-site
Polychlorinated Biphenyls (PCBs)																		
Method 8082 (µg/l)																		
Chlorinated Pesticides																		
Method 8081B (µg/l)																		
Chlorinated Herbicides																		
Method 8151A (µg/l)																		
Total Priority Pollutant Metals plus K & Na																		
Method 200.7 (µg/l)																		
Arsenic		50	4	~														
Cadmium		5	6	~								8.7						
Iron		~	~	~	15,000	5,300	510	380	12,000	41,000	860	190	3,900	17,000	17,000	160	28,000	
Lead		15	13	~			19		330									
Manganese		~	~	~	1,600	300	50	650	220	4,000	230	110	20,000	1,000	1,000	1,100	2,900	200
Nickel		100	880	~									100	65	64			
Potassium		~	~	~		2,700	3,600	5,100	100,000	18,000	7,100	15,000	7,100	100,000	100,000	20,000	29,000	11,000
Selenium		50	50	~									11					
Sodium		~	~	~	24,000	34,000	23,000	76,000	160,000	490,000	32,000	620,000	350,000	84,000	85,000	220,000	51,000	44,000
Zinc		5,000	123	~			62		410			130	24	69	78			
Dissolved Priority Pollutant Metals																		
Method 200.8 (µg/l)																		
Arsenic		50	4	~														
Cadmium		5	6	~								6.6						
Iron		~	~	~	10,000	490				4,900			1,100	590	1,100		3,600	
Lead		15	13	~														
Manganese		~	~	~	1,800	250	55	550	150	3,700	460	97	25,000	950	890	1,000	2,600	210
Mercury		2	0.4	~							0.69							
Nickel		100	880	~									95	65	62			
Zinc		5,000	123	~			55					110	21	62	58			
General Chemistry (µg/l)																		
Alkalinity, Tot(CaCO3)		~	~	~	55,000	50,000	85,000	46,000	950,000	630,000	210,000	340,000	48,000	880,000	880,000	240,000	450,000	150,000
Ammonia as N		~	~	~					4,100	2,900				1,900	2,000	750	2,900	
Biochemical Oxygen Demand, 5 Day		~	~	~	12,000			7,000	72,000	54,000	12,000	63,000	60,000	120,000	120,000	30,000	41,000	13,000
Chloride		~	~	~	49,000	51,000	35,000	140,000	190,000	910,000	55,000	1,010,000	970,000	130,000	140,000	390,000	87,000	100,000
Hardness		~	~	~	54,000	59,000	84,000	78,000	630,000	280,000	210,000	380,000	460,000	780,000	780,000	280,000	370,000	250,000
Nitrate as N		~	~	~			200	150			3,000	1,000		120				
Sulfate		~	~	~	9,300	16,000	12,000	19,000		3,500	32,000	120,000	23,000	20,000	19,000	29,000	12,000	76,000
Total Dissolved Solids		~	~	~	140,000	120,000	250,000	310,000	100,000	140,000	120,000	2,000,000	1,600,000	1,200,000	1,200,000	920,000	550,000	460,000
Total Suspended Solids		~	~	~	6,000	48,000	5,000	14,000	44,000	86,000		50,000	28,000	55,000	55,000	7,000	77,000	13,000

- Notes:
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 - For water samples **bolded** values exceed the RSR GWPC for the parameter.
 - For water samples underlined values exceed the RSR SWPC for the parameter.
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Table 1
Ground Water Analytical Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

VOCs
SVOCs
ETPH

Well ID: Sample Date: Lab Report:	CT RSR Criteria				MW-19 R	MW-21 OB	MW-21 R	MW-22 OB	MW-22 R	MW-23 OB	MW-23 R	MW-24 OB	MW-24 R	MW-25 OB	MW-25 R	MW-26 OB	MW-26 R	MW-27 OB	MW-27 R
	GWPC	SWPC	Res. V/C	I/C V/C	5/9/2012 12050225	5/10/2012 12050273	5/10/2012 12050273	5/11/2012 12050307	5/11/2012 12050307	5/9/2012 12050225	5/10/2012 12050273	5/10/2012 12050273	5/10/2012 12050273	5/11/2012 12050307	5/11/2012 12050307	5/9/2012 12050225	5/9/2012 12050225	5/11/2012 12050307	5/11/2012 12050307
Analysis/ Analytes	Notes:				On-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site
Volatile Organic Compounds (VOCs)																			
Method 8260 (µg/l)																			
1,1,1-Trichloroethane (TCA)		200	62,000	20,400	50,000	4.2													
1,1-Dichloroethane		70	~	34,600	50,000														
1,1-Dichloroethene (1,1-Dichloroethylene)		7	96	1	6	1													
1,2,4-Trimethylbenzene		~	~	~	~														
1,2-Dichlorobenzene		600	170,000	30,500	50,000														
1,3,5-Trimethylbenzene		~	~	~	~														
1,4-Dichlorobenzene		75	26,000	50,000	50,000														
4-Isopropyltoluene		~	~	~	~														
Benzene		1	710	215	530														
Bromodichloromethane		~	~	~	~									0.56					
Chlorobenzene		100	420,000	1,800	6,150														
Chloroform		6	14,100	287	710									3.9					
cis-1,2-Dichloroethene		70	~	~	~														
Ethylbenzene		700	580,000	50,000	50,000														
Isopropylbenzene		~	~	~	~														
m+p Xylenes		530	~	21,300	50,000														
n-Butylbenzene		~	~	~	~														
n-Propylbenzene		~	~	~	~														
Naphthalene		280	~	~	~														
o-Xylene		530	~	21,300	50,000														
sec-Butylbenzene		~	~	~	~														
Tetrachloroethylene (PCE)		5	88	1,500	3,820														
Toluene		1,000	4,000,000	23,500	50,000														
Trichloroethylene (TCE)		5	2,340	219	540	23								1.3	2.9				
Vinyl Chloride		2	15,750	2	2														
Semi-Volatile Organic Compounds (SVOCs)																			
Method 8270 (µg/l)																			
2-Methyl Naphthalene		~	~	~	~														
Benzo[b]fluoranthene		0.08	0.3	~	~								0.12						
Naphthalene		280	~	~	~														
Phenanthrene		200	0.3	~	~														
Extractable Total Petroleum Hydrocarbons (ETPH)																			
CTETPH Method (µg/l)																			
		500	~	~	~							530							

Notes:

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- ~ = No Standard established.
- For water samples **bolded** values exceed the RSR GWPC for the parameter.
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- For water samples *italicised* values exceed the RSR I/C V/C for the parameter.
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Table 1
Ground Water Analytical Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

PCBs, Pesticides
Herbicides, Total PP Metals plus K and Na
Dissolved PP Metals and Chemistry

Well ID: Sample Date: Lab Report:	CT RSR Criteria				MW-19 R	MW-21 OB	MW-21 R	MW-22 OB	MW-22 R	MW-23 OB	MW-23 R	MW-24 OB	MW-24 R	MW-25 OB	MW-25 R	MW-26 OB	MW-26 R	MW-27 OB	MW-27 R
	GWPC	SWPC	Res. V/C	I/C V/C	5/9/2012 12050225	5/10/2012 12050273	5/10/2012 12050273	5/11/2012 12050307	5/11/2012 12050307	5/9/2012 12050225	5/10/2012 12050273	5/10/2012 12050273	5/10/2012 12050273	5/11/2012 12050307	5/11/2012 12050307	5/9/2012 12050225	5/9/2012 12050225	5/11/2012 12050307	5/11/2012 12050307
Analysis/ Analytes	Notes:				On-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site	Off-site
Polychlorinated Biphenyls (PCBs)																			
Method 8082 (µg/l)																			
Chlorinated Pesticides																			
Method 8081B (µg/l)																			
Chlorinated Herbicides																			
Method 8151A (µg/l)																			
Total Priority Pollutant Metals plus K & Na																			
Method 200.7 (µg/l)																			
Arsenic		50	4	~															
Cadmium		5	6	~															
Iron		~	~	~	410	8,700	18,000	190					150		680	1,100		140	
Lead		15	13	~															
Manganese		~	~	~	550	1,100	370	320		74	750	190	82	370	87	62	28	180	480
Nickel		100	880	~															
Potassium		~	~	~	9,800	5,700	1,600	3,800	5,800	4,600	2,300		11,000	3,600	10,000		1,300	1,200	5,100
Selenium		50	50	~															
Sodium		~	~	~	47,000	160,000	24,000	3,800	27,000	3,500	15,000	17,000	100,000	130,000	54,000	80,000	60,000	12,000	21,000
Zinc		5,000	123	~				25											
Dissolved Priority Pollutant Metals																			
Method 200.8 (µg/l)																			
Arsenic		50	4	~															
Cadmium		5	6	~															
Iron		~	~	~		4,600	17,000									160			
Lead		15	13	~															
Manganese		~	~	~	530	960	360	270		70	690	180	69	330	70	73	35	160	430
Mercury		2	0.4	~							<u>1.4</u>		<u>0.4</u>		<u>0.43</u>				
Nickel		100	880	~															
Zinc		5,000	123	~				28						38					
General Chemistry (µg/l)																			
Alkalinity, Tot(CaCO3)		~	~	~	230,000	150,000	35,000	14,000	99,000	20,000	70,000	75,000	140,000	52,000	102,000	46,000	66,000	19,000	140,000
Ammonia as N		~	~	~			190		330										
Biochemical Oxygen Demand, 5 Day		~	~	~	15,000														
Chloride		~	~	~	79,000	230,000	68,000	3,600	4,400	4,500	11,000	45,000	480,000	230,000	200,000	130,000	130,000	14,000	88,000
Hardness		~	~	~	240,000	66,000	54,000	18,000	63,000	23,000	50,000	22,000	620,000	110,000	270,000	56,000	120,000	18,000	220,000
Nitrate as N		~	~	~	1,800			620	440	2,100			1,300	2,500	320	4,100	4,100	160	
Sulfate		~	~	~	48,000	11,000	23,000	13,000	20,000	8,800	14,000	9,800	41,000	29,000	34,000	19,000	19,000	12,000	21,000
Total Dissolved Solids		~	~	~	110,000	90,000	100,000	38,000	130,000	110,000	110,000	130,000	100,000	460,000	550,000	100,000	100,000	66,000	340,000
Total Suspended Solids		~	~	~	18,000	62,000	6,000						6,000		90,000	42,000			

- Notes:
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 - For water samples underlined values exceed the RSR SWPC for the parameter.
 - For water samples shaded values exceed the RSR Res. V/C for the parameter.
 - For water samples *italicised* values exceed the RSR I/C V/C for the parameter.
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- OB: Soil Overburden Monitoring Well
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Table 2
Sediment Analytical Results Summary Table
 Off-Site Impact Analysis
 Scofieldtown Park Landfill, Stamford, CT

VOCs, SVOCs
 ETPH, PCBs
 Pesticides and Herbicides

Sample ID: Sample Date: Lab Report: Interval: Analysis/ Analytes	Notes:	RSR Criteria		NOAA Criteria		SD01A-20120517	SD01B-20120517	SD02A-20120517	SD02B-20120517	SD03A-20120517	SD03B-20120517	SD04A-20120517
		RES DEC	I/C DEC	TEL	PEL	5/17/2012	5/17/2012	5/17/2012	5/17/2012	5/17/2012	5/17/2012	5/17/2012
		12050480	12050480	12050480	12050480	0-6"	6-12"	0-6"	6-12"	0-6"	6-12"	0-6"
Unnamed Stream												
<u>Volatile Organic Compounds (VOCs)</u>												
Method 8260 (mg/kg)												
1,4-Dichlorobenzene		26	240	~	~			0.043	0.055			
4-Isopropyltoluene		~	~	~	~							
Chlorobenzene		500	1,000	~	~				0.026			
Toluene		500	1,000	~	~							
<u>Semi-Volatile Organic Compounds (SVOCs)</u>												
Method 8270 (mg/kg)												
Anthracene		1,000	2,500	0.0469	0.245							
Benzo[a]anthracene		1	7.8	0.0317	0.385							
Benzo[a]pyrene		1	1	0.0319	0.782							
Benzo[b]fluoranthene		1	7.8	~	~							
Benzo[g,h,i]perylene		~	~	~	~							
Benzo[k]fluoranthene		8.4	78	~	~							
bis(2-Ethylhexyl)phthalate		44	410	~	~							
Chrysene		~	~	0.0571	0.862							
Fluoranthene		1,000	2,500	0.111	2.355				1.2			
Indeno[1,2,3-cd]pyrene		~	~	~	~							
Isophorone		~	~	~	~		0.52	10				
Phenanthrene		1,000	2,500	0.0419	0.515							
Pyrene		1,000	2,500	0.053	0.875							
<u>Extractable Total Petroleum Hydrocarbons (ETPH)</u>												
CTETPH Method (mg/kg Dry Wt)												
		500	2,500	~	~							
<u>Polychlorinated Biphenyls (PCBs)</u>												
Method 8082 (mg/kg Dry Wt)												
<u>Chlorinated Pesticides</u>												
Method 8081B (mg/kg)												
<u>Chlorinated Herbicides</u>												
Method 8151A (mg/kg)												

Notes:

- Blank = analyte below method detection limits. All detection limits verified below the applicable criteria for each constituent.
- ~ = No Standard established.
- For sediment samples **bolded** values exceed the RSR RDEC for the parameter.
- For sediment samples underlined values exceed the RSR I/C DEC for the parameter.
- For sediment samples *italicised* values exceed the NOAA TEL for the parameter.
- For sediment samples [Bracket Enclosed] values exceed the NOAA PEL for the parameter.
- RSR criteria are in the same units as the analyte.

Legend:

- RSR: Remediation Standard Regulations
- RDEC: Residential Direct Exposure Criteria
- I/C DEC: Industrial/ Commercial Direct Exposure Criteria
- NOAA TEL: National Oceanic and Atmospheric Administration's Screening Quick Reference Tables (SQiRTs) Threshold Effects Level (TEL) for the parameter
- NOAA PEL: National Oceanic and Atmospheric Administration's Screening Quick Reference Tables (SQiRTs) Probably Effects Level (PEL) for the parameter



Table 2
Sediment Analytical Results Summary Table
 Off-Site Impact Analysis
 Scofieldtown Park Landfill, Stamford, CT

Priority Pollutant Metals
 TOC
 Total Solids

Analysis/ Analytes	Sample ID:	RSR Criteria		NOAA Criteria		SD01A-20120517	SD01B-20120517	SD02A-20120517	SD02B-20120517	SD03A-20120517	SD03B-20120517	SD04A-20120517
	Sample Date:					5/17/2012	5/17/2012	5/17/2012	5/17/2012	5/17/2012	5/17/2012	5/17/2012
	Lab Report:					12050480	12050480	12050480	12050480	12050480	12050480	12050480
	Interval:					0-6"	6-12"	0-6"	6-12"	0-6"	6-12"	0-6"
	Notes:	RES DEC	I/C DEC	TEL	PEL	Unnamed Stream						
Total Priority Pollutant Metals												
Method 200.7 (mg/kg Dry Wt)												
Arsenic		10	10	5.9	17	5.9	13	8.3	8.3			4.4
Cadmium		34	1,000	0.596	3.53		<u>[4.4]</u>	[14]	[12]	[11]	1.3	
Chromium		~	~	37.3	90	43	57	43	46	50	14	25
Copper		2,500	76,000	35.7	197	22	27	[510]	[400]	[370]	25	79
Lead		400	1,000	35	91.3	39	33	[410]	[260]	[230]	34	81
Nickel		1,400	7,500	18	36	15	20	[95]	[73]	[79]	14	18
Selenium		340	10,000	~	~		3.4					
Zinc		20,000	610,000	123	315	85	100	[1,300]	[1,100]	[1,500]	230	300
Total Organic Carbon												
Method 9060A (Percent %)		~	~	~	~	2.3	2.3	14	13.7	17.1	5.6	10.8
Total Solids												
Method 160.3 mo (Percent %)		~	~	~	~	66	60	19	26	16	62	33

Notes:

- Blank = analyte below method detection limits. All detection limits verified below the applicable criteria for each constituent.
- ~ = No Standard established.
- For sediment samples **bolded** values exceed the RSR RDEC for the parameter.
- For sediment samples underlined values exceed the RSR I/C DEC for the parameter.
- For sediment samples *italicised* values exceed the NOAA TEL for the parameter.
- For sediment samples [Bracket Enclosed] values exceed the NOAA PEL for the parameter.
- RSR criteria are in the same units as the analyte.

Legend:

- RSR: Remediation Standard Regulations
- RDEC: Residential Direct Exposure Criteria
- I/C DEC: Industrial/ Commercial Direct Exposure Criteria
- NOAA TEL: National Oceanic and Atmospheric Administration's Screening Quick Reference Tables (SQiRTs) Threshold Effects Level (TEL) for the parameter
- NOAA PEL: National Oceanic and Atmospheric Administration's Screening Quick Reference Tables (SQiRTs) Probably Effects Level (PEL) for the parameter



Table 2
Sediment Analytical Results Summary Table
 Off-Site Impact Analysis
 Scofieldtown Park Landfill, Stamford, CT

VOCs, SVOCs
 ETPH, PCBs
 Pesticides and Herbicides

Analysis/ Analytes	Sample ID: Sample Date: Lab Report: Interval: Notes:	RSR Criteria		NOAA Criteria		SD04B-20120517	SD05A-20120517	SD05B-20120517	SD06A-20120517	SD10A-20120517	SD06B-20120517
		RES DEC	I/C DEC	TEL	PEL	5/17/2012 12050480	5/17/2012 12050480	5/17/2012 12050480	5/17/2012 12050480	5/17/2012 12050480	5/17/2012 12050480
						6-12"	0-6"	6-12"	0-6"	Duplicate of SD06A	6-12"
						Unnamed Stream					Unnamed Stream
<u>Volatile Organic Compounds (VOCs)</u> Method 8260 (mg/kg)											
1,4-Dichlorobenzene		26	240	~	~						
4-Isopropyltoluene		~	~	~	~						
Chlorobenzene		500	1,000	~	~		0.011	0.017			
Toluene		500	1,000	~	~						
<u>Semi-Volatile Organic Compounds (SVOCs)</u> Method 8270 (mg/kg)											
Anthracene		1,000	2,500	0.0469	0.245						
Benzo[a]anthracene		1	7.8	0.0317	0.385						
Benzo[a]pyrene		1	1	0.0319	0.782						
Benzo[b]fluoranthene		1	7.8	~	~		0.74				
Benzo[g,h,i]perylene		~	~	~	~						
Benzo[k]fluoranthene		8.4	78	~	~						
bis(2-Ethylhexyl)phthalate		44	410	~	~						
Chrysene		~	~	0.0571	0.862						
Fluoranthene		1,000	2,500	0.111	2.355		1.2	0.54			
Indeno[1,2,3-cd]pyrene		~	~	~	~						
Isophorone		~	~	~	~						
Phenanthrene		1,000	2,500	0.0419	0.515		[1]				
Pyrene		1,000	2,500	0.053	0.875		[0.98]				
<u>Extractable Total Petroleum Hydrocarbons (ETPH)</u> CTETPH Method (mg/kg Dry Wt)		500	2,500	~	~		370				
<u>Polychlorinated Biphenyls (PCBs)</u> Method 8082 (mg/kg Dry Wt)											
<u>Chlorinated Pesticides</u> Method 8081B (mg/kg)											
<u>Chlorinated Herbicides</u> Method 8151A (mg/kg)											

Notes:

- Blank = analyte below method detection limits. All detection limits verified below the applicable criteria for each constituent.
- ~ = No Standard established.
- For sediment samples **bolded** values exceed the RSR RDEC for the parameter.
- For sediment samples underlined values exceed the RSR I/C DEC for the parameter.
- For sediment samples *italicised* values exceed the NOAA TEL for the parameter.
- For sediment samples [Bracket Enclosed] values exceed the NOAA PEL for the parameter.
- RSR criteria are in the same units as the analyte.

Legend:

- RSR: Remediation Standard Regulations
 RDEC: Residential Direct Exposure Criteria
 I/C DEC: Industrial/ Commercial Direct Exposure Criteria
 NOAA TEL: National Oceanic and Atmospheric Administration's Screening Quick Reference Tables (SQiRTs) Threshold Effects Level (TEL) for the parameter
 NOAA PEL: National Oceanic and Atmospheric Administration's Screening Quick Reference Tables (SQiRTs) Probably Effects Level (PEL) for the parameter



Table 2
Sediment Analytical Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

Priority Pollutant Metals
TOC
Total Solids

Analysis/ Analytes	Sample ID: Sample Date: Lab Report: Interval: Notes:	RSR Criteria		NOAA Criteria		SD04B-20120517	SD05A-20120517	SD05B-20120517	SD06A-20120517	SD10A-20120517	SD06B-20120517
		RES DEC	I/C DEC	TEL	PEL	5/17/2012 12050480	5/17/2012 12050480	5/17/2012 12050480	5/17/2012 12050480	5/17/2012 12050480	5/17/2012 12050480
						6-12"	0-6"	6-12"	0-6"	Duplicate of SD06A	
		Unnamed Stream				Unnamed Stream				Unnamed Stream	
Total Priority Pollutant Metals Method 200.7 (mg/kg Dry Wt)											
Arsenic		10	10	5.9	17		8.7	7.3	4.3	[22]	2.1
Cadmium		34	1,000	0.596	3.53						
Chromium		~	~	37.3	90	69	19	14	4	19	13
Copper		2,500	76,000	35.7	197	11	41	20	12	52	5
Lead		400	1,000	35	91.3	10	41	35	17	[73]	12
Nickel		1,400	7,500	18	36	[36]	17	10	4.6	24	11
Selenium		340	10,000	~	~					6.2	
Zinc		20,000	610,000	123	315	56	120	85	64	290	57
Total Organic Carbon Method 9060A (Percent %)		~	~	~	~	0.82	7.01	4	21	21.5	1.3
Total Solids Method 160.3 mo (Percent %)		~	~	~	~	77	57	61	76	20	67

Notes:

- Blank = analyte below method detection limits. All detection limits verified below the applicable criteria for each constituent.
- ~ = No Standard established.
- For sediment samples **bolded** values exceed the RSR RDEC for the parameter.
- For sediment samples underlined values exceed the RSR I/C DEC for the parameter.
- For sediment samples *italicised* values exceed the NOAA TEL for the parameter.
- For sediment samples [Bracket Enclosed] values exceed the NOAA PEL for the parameter.
- RSR criteria are in the same units as the analyte.

Legend:

- RSR: Remediation Standard Regulations
- RDEC: Residential Direct Exposure Criteria
- I/C DEC: Industrial/ Commercial Direct Exposure Criteria
- NOAA TEL: National Oceanic and Atmospheric Administration's Screening Quick Reference Tables (SQuiRTs) Threshold Effects Level (TEL) for the parameter
- NOAA PEL: National Oceanic and Atmospheric Administration's Screening Quick Reference Tables (SQuiRTs) Probably Effects Level (PEL) for the parameter



Table 2
Sediment Analytical Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

VOCs, SVOCs
ETPH, PCBs
Pesticides and Herbicides

Sample ID: Sample Date: Lab Report: Interval: Analysis/ Analytes	Notes:	RSR Criteria		NOAA Criteria		SD07A-20120517	SD07B-20120517	SD08A-20120517	SD08B-20120517	SD09A-20120516	SD09B-20120516
		RES DEC	I/C DEC	TEL	PEL	5/17/2012 12050480	5/17/2012 12050480	5/17/2012 12050480	5/17/2012 12050480	5/16/2012 12050419	5/16/2012 12050419
						0-6"	6-12"	0-6"	6-12"	0-6"	6-12"
						Poorhouse Brook		Unnamed Pond			
<u>Volatile Organic Compounds (VOCs)</u>											
Method 8260 (mg/kg)											
1,4-Dichlorobenzene		26	240	~	~			0.019			
4-Isopropyltoluene		~	~	~	~						
Chlorobenzene		500	1,000	~	~						
Toluene		500	1,000	~	~			0.027			
<u>Semi-Volatile Organic Compounds (SVOCs)</u>											
Method 8270 (mg/kg)											
Anthracene		1,000	2,500	0.0469	0.245	[0.58]					
Benzo[a]anthracene		1	7.8	0.0317	0.385	[1.5]					
Benzo[a]pyrene		1	1	0.0319	0.782	[1.2]					
Benzo[b]fluoranthene		1	7.8	~	~	1.7		0.47			
Benzo[g,h,i]perylene		~	~	~	~	0.48					
Benzo[k]fluoranthene		8.4	78	~	~	0.68					
bis(2-Ethylhexyl)phthalate		44	410	~	~			0.74			
Chrysene		~	~	0.0571	0.862	[1.4]					
Fluoranthene		1,000	2,500	0.111	2.355	[3.9]		0.84	0.79		
Indeno[1,2,3-cd]pyrene		~	~	~	~	0.53					
Isophorone		~	~	~	~						
Phenanthrene		1,000	2,500	0.0419	0.515	[2.9]		[0.52]			
Pyrene		1,000	2,500	0.053	0.875	[3]		0.65	0.64		
<u>Extractable Total Petroleum Hydrocarbons (ETPH)</u>											
CTETPH Method (mg/kg Dry Wt)											
		500	2,500	~	~			130			
<u>Polychlorinated Biphenyls (PCBs)</u>											
Method 8082 (mg/kg Dry Wt)											
<u>Chlorinated Pesticides</u>											
Method 8081B (mg/kg)											
<u>Chlorinated Herbicides</u>											
Method 8151A (mg/kg)											

Notes:

- Blank = analyte below method detection limits. All detection limits verified below the applicable criteria for each constituent.
- ~ = No Standard established.
- For sediment samples **bolded** values exceed the RSR RDEC for the parameter.
- For sediment samples underlined values exceed the RSR I/C DEC for the parameter.
- For sediment samples *italicised* values exceed the NOAA TEL for the parameter.
- For sediment samples [Bracket Enclosed] values exceed the NOAA PEL for the parameter.
- RSR criteria are in the same units as the analyte.

Legend:

- RSR: Remediation Standard Regulations
- RDEC: Residential Direct Exposure Criteria
- I/C DEC: Industrial/ Commercial Direct Exposure Criteria
- NOAA TEL: National Oceanic and Atmospheric Administration's Screening Quick Reference Tables (SQiRTs) Threshold Effects Level (TEL) for the parameter
- NOAA PEL: National Oceanic and Atmospheric Administration's Screening Quick Reference Tables (SQiRTs) Probably Effects Level (PEL) for the parameter



Table 2
Sediment Analytical Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

Priority Pollutant Metals
TOC
Total Solids

Analysis/ Analytes	Sample ID:	RSR Criteria		NOAA Criteria		SD07A-20120517	SD07B-20120517	SD08A-20120517	SD08B-20120517	SD09A-20120516	SD09B-20120516
	Sample Date:					5/17/2012	5/17/2012	5/17/2012	5/17/2012	5/16/2012	5/16/2012
	Lab Report:					12050480	12050480	12050480	12050480	12050419	12050419
	Interval:					0-6"	6-12"	0-6"	6-12"	0-6"	6-12"
Notes:	RES DEC	I/C DEC	TEL	PEL	Poorhouse Brook		Unnamed Pond				
Total Priority Pollutant Metals											
Method 200.7 (mg/kg Dry Wt)											
Arsenic	10	10	5.9	17	3.1	1.8		2.5			
Cadmium	34	1,000	0.596	3.53							
Chromium	~	~	37.3	90	7	6	10	8	28	29	
Copper	2,500	76,000	35.7	197	6	6	20	20	46	29	
Lead	400	1,000	35	91.3	8	17	20	30	75	68	
Nickel	1,400	7,500	18	36	4.5	3.7	8.1	6.7	26	19	
Selenium	340	10,000	~	~							
Zinc	20,000	610,000	123	315	45	23	59	51	160	130	
Total Organic Carbon											
Method 9060A (Percent %)	~	~	~	~	0.75	ND	1.85	1.23	11.6	2.7	
Total Solids											
Method 160.3 mo (Percent %)	~	~	~	~	75	80	67	72	25	53	

Notes:

- Blank = analyte below method detection limits. All detection limits verified below the applicable criteria for each constituent.
- ~ = No Standard established.
- For sediment samples **bolded** values exceed the RSR RDEC for the parameter.
- For sediment samples underlined values exceed the RSR I/C DEC for the parameter.
- For sediment samples *italicised* values exceed the NOAA TEL for the parameter.
- For sediment samples [Bracket Enclosed] values exceed the NOAA PEL for the parameter.
- RSR criteria are in the same units as the analyte.

Legend:

- RSR: Remediation Standard Regulations
- RDEC: Residential Direct Exposure Criteria
- I/C DEC: Industrial/ Commercial Direct Exposure Criteria
- NOAA TEL: National Oceanic and Atmospheric Administration's Screening Quick Reference Tables (SQuiRTs) Threshold Effects Level (TEL) for the parameter
- NOAA PEL: National Oceanic and Atmospheric Administration's Screening Quick Reference Tables (SQuiRTs) Probably Effects Level (PEL) for the parameter



Table 3
Surface Water Analytical Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

Sample ID: Sample Date: Lab Report:	CT Water Quality Standards Aquatic Life Criteria		CT Water Quality Standards Human Health Criteria		SW01-20120516 5/16/2012 12050419	SW02-20120516 5/16/2012 12050419	SW03-20120516 5/16/2012 12050419	SW04-20120516 5/16/2012 12050419	SW05-20120516 5/16/2012 12050419	SW06-20120516 5/16/2012 12050419	SW10-20120516 5/16/2012 12050419	SW07-20120516 5/16/2012 12050419	SW08-20120516 5/16/2012 12050419	SW09-20120516 5/16/2012 12050419
	Analysis/ Analytes	Notes:	Acute	Chronic	Consumption of Fish	Consumption of Fish & Water	Unnamed Brook					Duplicate of SW06	Poorhouse Brook	Unnamed Pond
Volatiles Organic Compounds (VOCs) Method 8260 (µg/l)														
Semi-Volatile Organic Compounds (SVOCs) Method 8270 (µg/l)														
Extractable Total Petroleum Hydrocarbons (ETPH) CTETPH Method (µg/l)														
~ ~ ~ ~ 120														
Polychlorinated Biphenyls (PCBs) Method 8082 (µg/l)														
Chlorinated Pesticides Method 8081B (µg/l)														
Chlorinated Herbicides Method 8151A (µg/l)														
Total Priority Pollutant Metals plus K & Na Method 200.7 (µg/l)														
Iron ~ ~ ~ ~ 1,700 1,400 4,700 810 1,600 1,700 1,700 1,600 480 280														
Manganese ~ ~ ~ ~ 550 270 330 180 200 190 190 190 67														
Potassium ~ ~ ~ ~ 2,400 3,400 9,600 3,100 3,600 3,300 3,700 3,400 3,000 3,400														
Sodium ~ ~ ~ ~ 2,400 170,000 290,000 48,000 50,000 48,000 49,000 47,000 24,000 24,000														
Zinc 65 65 26,000 7,400 26 36 60														
Dissolved Priority Pollutant Metals Method 200.8 (µg/l)														
Iron ~ ~ ~ ~ 790 360 210 320 770 780 750 750 250 170														
Manganese ~ ~ ~ ~ 400 170 38 89 130 120 120 110 29														
Zinc 65 65 26,000 7,400 24 38														
General Chemistry (µg/l)														
Alkalinity, Tot(CaCO3) ~ ~ ~ ~ 30,000 90,000 150,000 55,000 55,000 55,000 60,000 60,000 35,000 43,000														
Ammonia as N ~ ~ ~ ~ ~ 300														
Biochemical Oxygen Demand, 5 Day ~ ~ ~ ~ ~ 16,000														
Chloride 860,000 230,000 ~ ~ 110,000 <u>300,000</u> <u>430,000</u> 80,000 80,000 76,000 76,000 75,000 35,000 36,000														
Hardness ~ ~ ~ ~ 51,000 74,000 110,000 59,000 66,000 64,000 62,000 65,000 46,000 45,000														
Nitrate as N ~ ~ ~ ~ 100 140 280 300 290 290 300 310 600 370														
Sulfate ~ ~ ~ ~ 8,700 15,000 11,000 8,800 8,600 8,800 9,200 8,900 10,000 9,800														
Total Dissolved Solids ~ ~ ~ ~ 280,000 480,000 770,000 190,000 220,000 190,000 210,000 180,000 140,000 100,000														
Total Suspended Solids ~ ~ ~ ~ 10,000 26,000 8,000 12,000 12,000 10,000 12,000 10,000														

Notes:

1. Blank = analyte below method detection limits. All detection limits verified below the applicable criteria for each constituent.
2. ~ = No Standard established
3. For water samples **bolded** values exceed the CT Water Quality Standards Acute Aquatic Life Criteria for the parameter.
4. For water samples underlined values exceed the CT Water Quality Standards Chronic Aquatic Life Criteria for the parameter.
5. CT Water Quality Standards criteria are in the same units as the analyte.



Table 4
Leachate Seep Analytical Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

VOCs
SVOCs
ETPH
PCBs and Pesticides

Sample ID: Sample Date: Lab Report:	CT RSR Criteria		UNB-SP1-20120611	UNB-SP6-20120611	UNB-SP2-20120611	UNB-SP3-20120611	UNB-SP4-20120611	UNB-SP5-20120611
			6/11/2012 12060256	6/11/2012 12060256	6/11/2012 12060256	6/11/2012 12060256	6/11/2012 12060256	6/11/2012 12060256
Analysis/ Analytes	Notes:	GWPC	SWPC		Duplicate of UNB-SP1			
Volatile Organic Compounds (VOCs)								
Method 8260 (µg/l)								
1,4-Dichlorobenzene		75	26,000			1.7		4.8
Benzene		1	710					3.5
Chlorobenzene		100	420,000			23	3.4	23
Isopropylbenzene		~	~					1.7
n-Propylbenzene		~	~					1.2
Naphthalene		280	~					3.5
Semi-Volatile Organic Compounds (SVOCs)								
Method 8270 (µg/l)								
Benzo[a]anthracene		0.06	0.3	0.3				
Benzo[a]pyrene		0.2	0.3	0.2				
Benzo[b]fluoranthene		~	~	0.3				
Indeno[1,2,3-cd]pyrene		~	~	0.3				
Naphthalene		280	~				2.4	
Phenanthrene		200	0.3	0.2				
Extractable Total Petroleum Hydrocarbons (ETPH)								
CTETPH Method (µg/l)								
		500	~				760	1,100
Polychlorinated Biphenyls (PCBs)								
Method 8082 (µg/l)								
Chlorinated Pesticides								
Method 8081B (µg/l)								
4,4-DDD		~	~	0.1	0.3			
4,4-DDE		~	~	0.1	0.1			
Chlorinated Herbicides								
Method 8151A (µg/l)								

Notes:

- Blank = analyte below method detection limits. All detection limits verified below the applicable criteria for each constituent.
- ~ = No Standard established
- For water samples **bolded** values exceed the RSR GWPC for the parameter.
- For water samples underlined values exceed the RSR SWPC for the parameter.
- RSR criteria are in the same units as the analyte.

Legend:

RSR: Remediation Standard Regulations
GWPC: Ground Water Protection Criteria
SWPC: Surface Water Protection Criteria



Table 4
Leachate Seep Analytical Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

Total PP Metals plus K and Na
Dissolved PP Metals
General Chemistry

Sample ID: Sample Date: Lab Report:	CT RSR Criteria		UNB-SP1-20120611	UNB-SP6-20120611	UNB-SP2-20120611	UNB-SP3-20120611	UNB-SP4-20120611	UNB-SP5-20120611	
	Notes:	GWPC	SWPC	6/11/2012 12060256	6/11/2012 12060256	6/11/2012 12060256	6/11/2012 12060256	6/11/2012 12060256	6/11/2012 12060256
Analysis/ Analytes				Duplicate of UNB-SP1					
Total Priority Pollutant Metals plus K & Na									
Method 200.7 (µg/l)									
Arsenic		50	4	<u>6.4</u>	<u>48</u>	<u>5.7</u>	<u>4.5</u>	<u>6.8</u>	82
Cadmium		5	6		17				150
Chromium		50	~		79				400
Copper		1,300	48	43	<u>370</u>		<u>81</u>	47	17,000
Iron		~	~	52,000	380,000	68,000.0	59,000	46,000	360,000
Lead		15	13	59	500		500	110	13,000
Manganese		~	~	880	3,600	1,100.0	1,400	710	7,100
Nickel		100	880		140				1,000
Potassium		~	~	8,000	11,000	16,000.0	100,000	100,000	50,000
Silver		36	12						110
Sodium		~	~	43,000	44,000	33,000.0	79,000	1,000,000	640,000
Zinc		5,000	123	310	2,000	53	250	160	18,000
Dissolved Priority Pollutant Metals									
Method 200.8 (µg/l)									
Iron		~	~	4,300	10,000			110	
Manganese		~	~	780	730	710	1,000	460	170
Zinc		5,000	123				26		44
General Chemistry (µg/l)									
Alkalinity, Tot(CaCO3)		~	~	290,000	320,000	320,000	860,000	810,000	600,000
Ammonia as N		~	~	1,800	1,700	530	3,900	10,000	420
Biochemical Oxygen Demand, 5 Day		~	~			6,200			
Chloride		~	~	56,000	47,000	54,000	140,000	1,770,000	1,300,000
Hardness		~	~	240,000	440,000	280,000	710,000	470,000	1,400,000
Nitrate as N		~	~	1,000		110	8,400	150	130
Sulfate		~	~	65,000	3,700	7,200	36,000	8,800	22,000
Total Dissolved Solids		~	~	380,000	380,000	380,000	1,100,000	3,200,000	1,700,000
Total Suspended Solids		~	~	16,000,000	18,000,000	290,000	280,000	450,000	2,800,000

Notes:

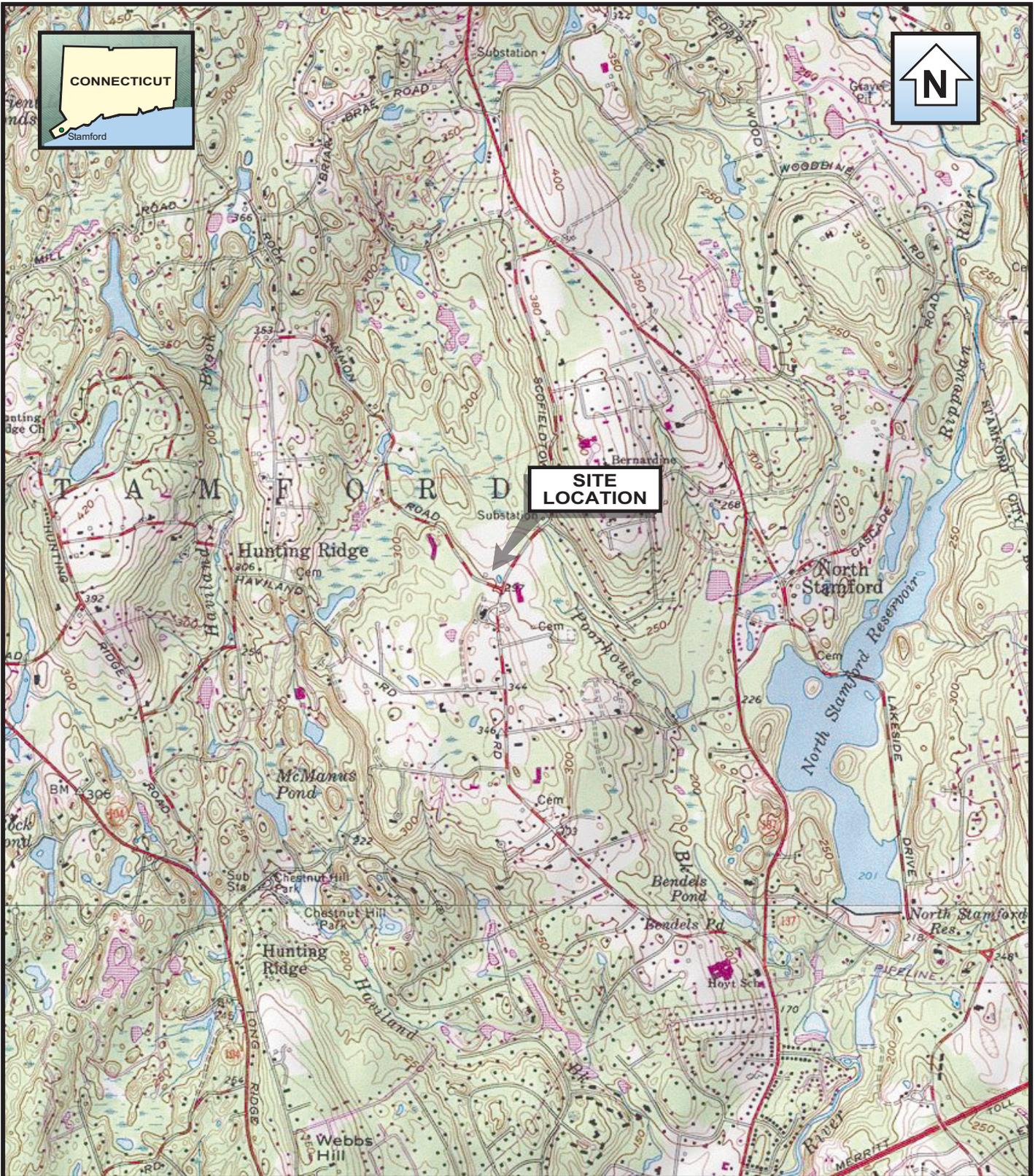
- Blank = analyte below method detection limits. All detection limits verified below the applicable criteria for each constituent.
- ~ = No Standard established
- For water samples **bolded** values exceed the RSR GWPC for the parameter.
- For water samples underlined values exceed the RSR SWPC for the parameter.
- RSR criteria are in the same units as the analyte.

Legend:

RSR: Remediation Standard Regulations
GWPC: Ground Water Protection Criteria
SWPC: Surface Water Protection Criteria



FIGURES



1:24000

BASE CREATED WITH TOPO™ © 1996 WILDFLOWERS PRODUCTIONS,
www.topo.com 7.5' USGS TOPOGRAPHIC MAP



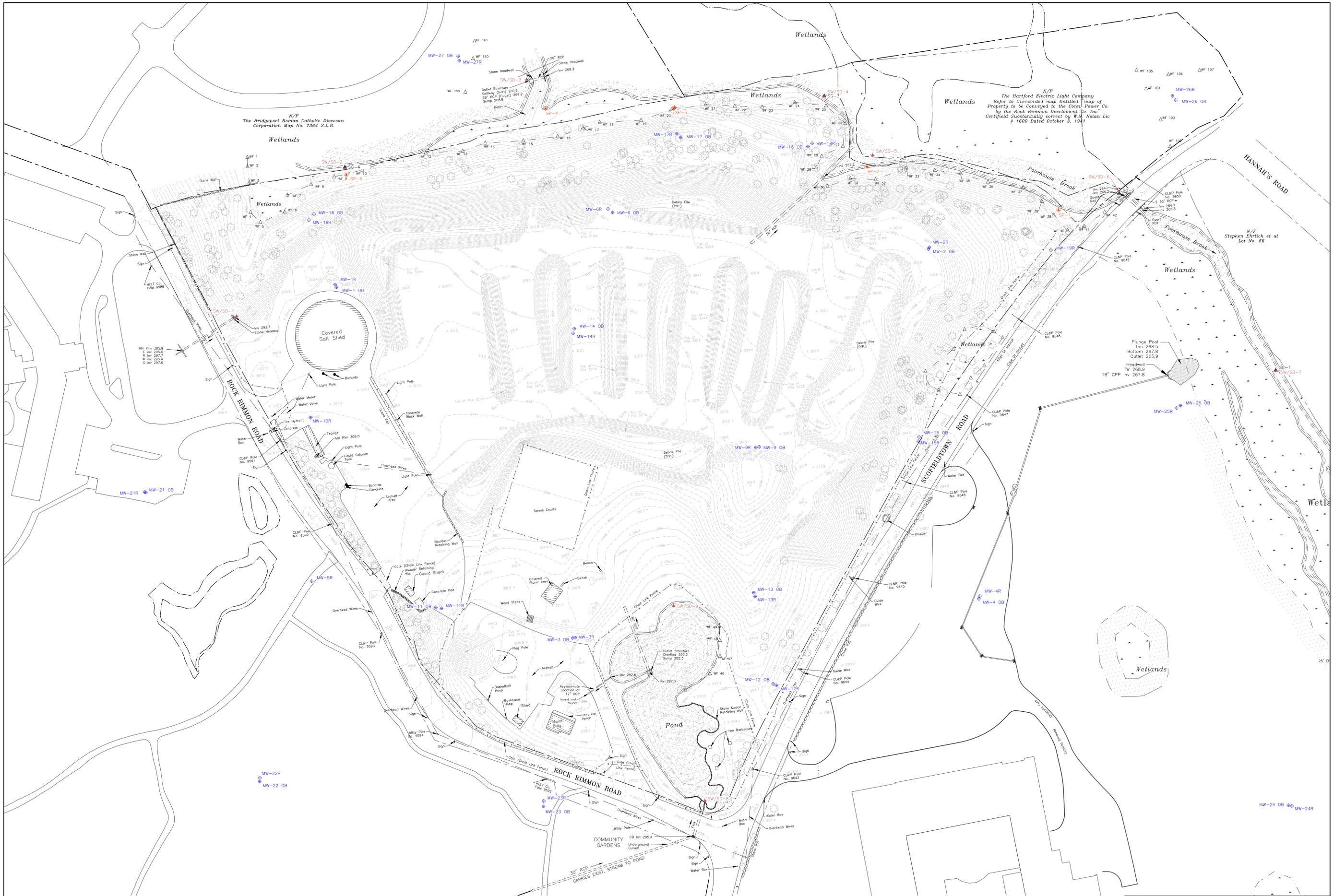
21 Griffin Road North
Windsor, CT 06095
(860) 298-9692

SCOFIELD PARK
STAMFORD, CONNECTICUT

FIGURE 1
SITE LOCATION MAP

Date: 12/09

Project No. 168936.0000.000000

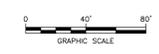


N/P
The Bridgeport Roman Catholic Diocese
Corporation Map No. 7364 S.I.R.

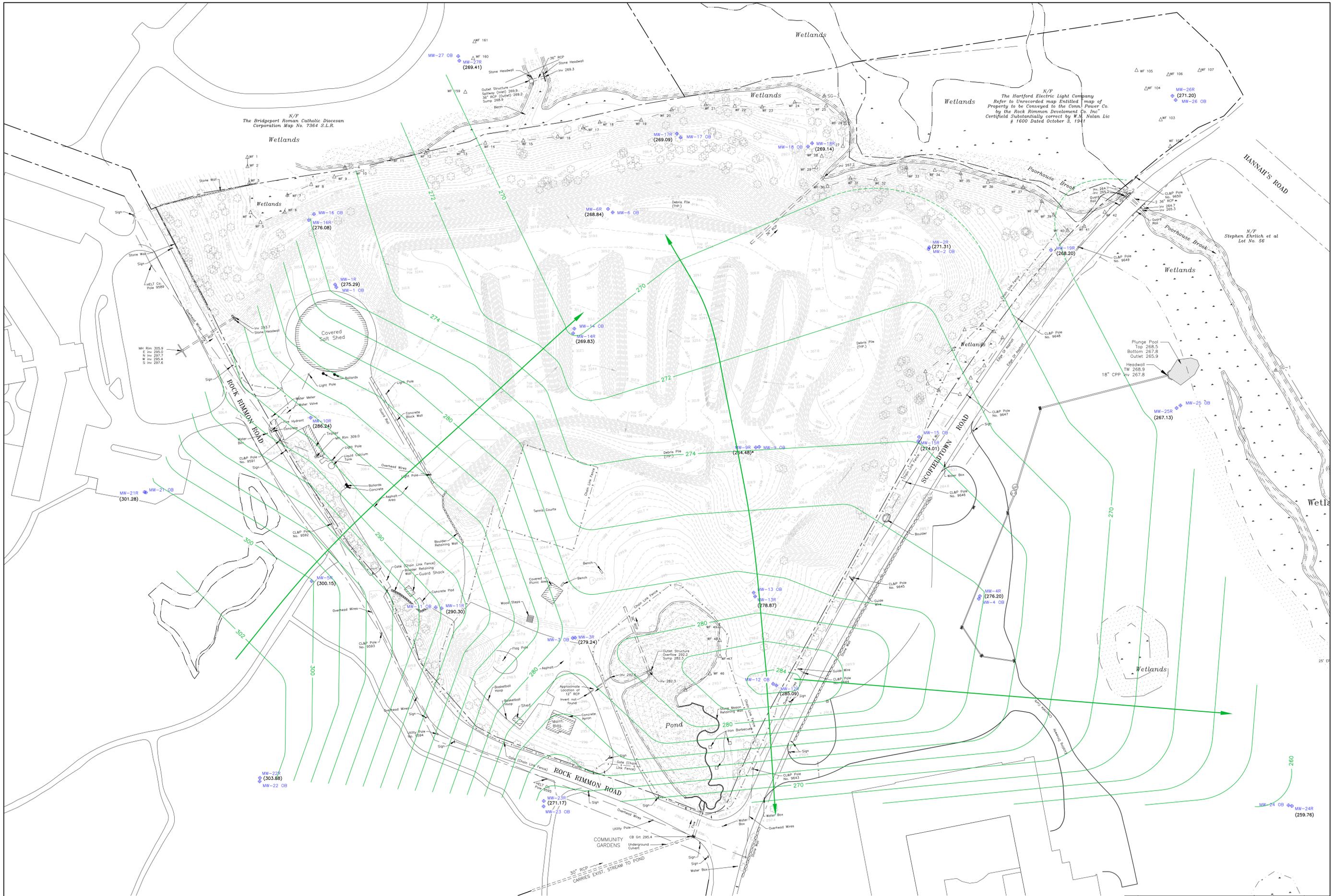
N/P
The Hartford Electric Light Company
Refer to Unrecorded map Entitled "Map of
Property to be Conveyed to the Conn. Power Co.
by the Rock Rimmon Development Co. Inc."
Certified Substantially correct by W.M. Nolan Lic
1600 Dated October 3, 1941

N/P
Stephen Ehrlich et al
Lot No. 56

- LEGEND**
- MW-1 MONITORING WELLS
 - SP-1 SEEP SAMPLE LOCATION
 - SW/SD-1 SURFACE WATER/SEDIMENT SAMPLE LOCATION



NO.	REVISIONS	DATE	APPROVAL
CITY OF STAMFORD SCOFIELDTOWN PARK LANDFILL STAMFORD, CONNECTICUT			
MONITORING WELL AND SAMPLE LOCATIONS			 TRC 21 Giffen Road North Windsor, CT 06095 (860) 298-9692 DESIGN: CC 07/12/12 DRAWN: KDH 07/12/12 CHECKED: ONS 07/12/12 SCALE: 1"=40' PROJECT: 181277-00007-0000 FIGURE NO. FIGURE 2



N/P
The Bridgeport Roman Catholic Diocese
Corporation Map No. 7364 S.L.R.

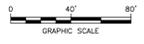
N/P
The Hartford Electric Light Company
Refer to Unrecorded map Entitled "map of
Property to be Conveyed to the Conn. Power Co.
by the Rock Rimmon Development Co. Inc."
Certified Substantially correct by W.M. Nolan Lic
1600 Dated October 3, 1941

N/P
Stephen Ehrlich et al
Lot No. 56

NOTE:
AT PRESENT TIME, FOUR INSTALLED
STREAM GAUGES ALONG THE UNNAMED
BROOK AND POORHOUSE BROOK HAVE
NOT BEEN SURVEYED AND THEREFORE
HAVE NOT BEEN INCLUDED IN THE
DEVELOPMENT OF THESE GROUND WATER
FLOW CONTOURS.

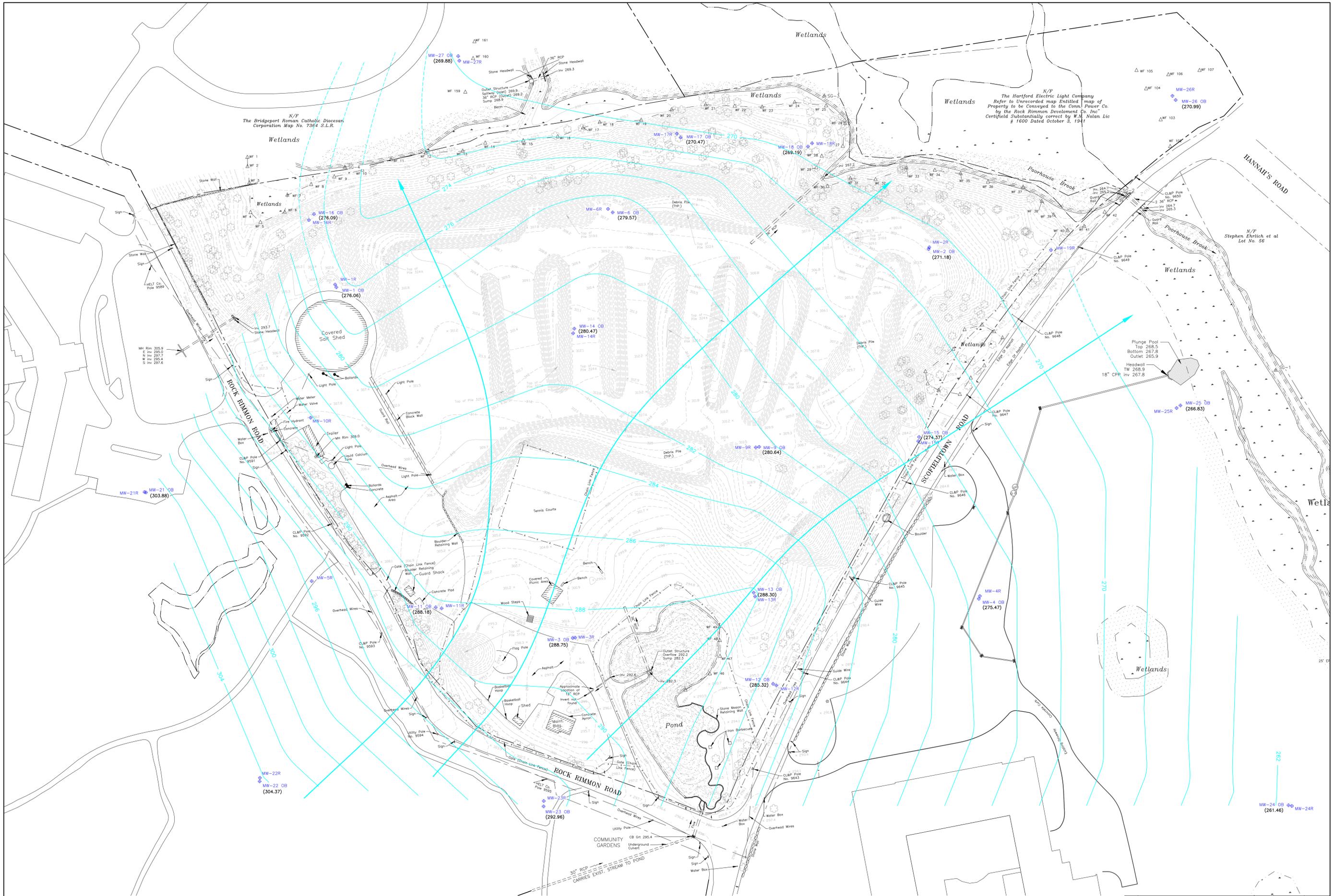
LEGEND

SG-1	STREAM GAUGE
MW-1	MONITORING WELLS
(280.00)	GROUNDWATER ELEVATION IN WELL IN FEET ON MAY 16, 2012 BASED ON NAVD 88 DATUM
*	GROUNDWATER ELEVATION IN WELL NOT USED
—280—	GROUNDWATER ELEVATION CONTOUR IN FEET ON MAY 16, 2012 BASED ON NAVD 88 DATUM



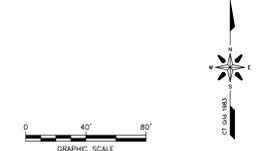
REVISIONS		DATE	APPROVAL
NO.	DESCRIPTION		

CITY OF STAMFORD SCOFIELDTOWN PARK LANDFILL STAMFORD, CONNECTICUT		 21 Goffin Road North Windsor, CT 06095 (860) 298-9692
BEDROCK MONITORING WELL GROUNDWATER ELEVATION CONTOUR MAP - MAY 16, 2012		
DESIGN:	CC	07/12/12
DRAWN:	KDH	07/12/12
CHECKED:	CNS	07/12/12
SCALE:	1"=40'	
PROJECT:	181277-00007-0000	
FIGURE NO.	FIGURE NO.	



NOTE:
 AT PRESENT TIME, FOUR INSTALLED
 STREAM GAUGES ALONG THE UNNAMED
 BROOK AND POORHOUSE BROOK HAVE
 NOT BEEN SURVEYED AND THEREFORE
 HAVE NOT BEEN INCLUDED IN THE
 DEVELOPMENT OF THESE GROUND WATER
 FLOW CONTOURS.

LEGEND	
SG-1	STREAM GAUGE
MW-1	MONITORING WELLS
(280.00)	GROUNDWATER ELEVATION IN OVERBURDEN WELL IN FEET ON MAY 16, 2012 BASED ON NAVD 88 DATUM
280	GROUNDWATER ELEVATION CONTOUR IN FEET ON MAY 16, 2012 BASED ON NAVD 88 DATUM



REVISIONS		DATE	APPROVAL
NO.	DESCRIPTION		

CITY OF STAMFORD SCOFIELDTOWN PARK LANDFILL STAMFORD, CONNECTICUT		 21 Goffin Road North Windsor, CT 06095 (860) 298-9692
OVERBURDEN MONITORING WELL GROUNDWATER ELEVATION CONTOUR MAP - MAY 16, 2012		
DESIGN: CC 07/12/12 DRAWN: KDH 07/12/12 CHECKED: ONS 07/12/12 SCALE: 1"=40' PROJECT: 191277-00007-0000 FIGURE NO.		FIGURE 4

