

SCOFIELDTOWN PARK LANDFILL OFF-SITE IMPACT EVALUATION STATUS REPORT

2ND QUARTER

Prepared for

City of Stamford
Stamford, Connecticut

Prepared by



Windsor, Connecticut

December 2012

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December 2012

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1.0 INTRODUCTION

The following is the second 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 2 – MONITORING WELL SAMPLING AND LABORATORY ANALYTICAL RESULTS

TRC sampled groundwater from 40 of the 45 monitoring wells between August 28th and September 5, 2012 which comprise the well network within and around the former landfill area. Five wells, MW-9 (OB), MW-11 (OB), MW-13 (OB), MW-15 (OB) and MW-22 (OB) were not sampled due to a lowered water table elevation at these locations resulting in insufficient groundwater volume for sampling. The results of the laboratory testing of the groundwater samples are summarized in Table 1, attached to this report. The table only shows results above laboratory method detection limits and includes both the first and second quarter laboratory results for each well sampled. The results indicate the following:

2.1 *Volatile Organic Compounds (VOCs)*

VOCs by United States Environmental Protection Agency (EPA) Method 8260 were detected in 11 of the samples collected from the 24 wells located within the former landfill area in various combinations and concentrations while VOCs were detected in two of the samples collected from the 16 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), MW-17 (OB), MW-18 (OB) and MW-18 (R). Trichloroethylene (TCE), tetrachloroethylene (PCE) and 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). PCE was also reported to be present at a concentration exceeding the GWPC, but less than the SWPC, in the sample collected from well MW-19 (R). In addition, TCE was reported to be present in the sample collected from MW-25 (R), but at a concentration that was less than both GWPC and SWPC. Finally, 1,1-dichloroethylene was reported to be present at concentrations exceeding the Residential Volatilization Criteria (RV/C) in the

groundwater samples collected from wells MW-18 (R) and MW-19 (R) and exceeding the Industrial/Commercial V/C (I/C V/C) in the sample collected from well MW-19 (R).

2.2 *Semi-Volatile Organic Compounds (SVOCs)*

SVOCs by EPA Method 8270 were detected in two of the samples collected from the 40 sampled wells located within and around the former landfill. Naphthalene was reported to be present in the sample from well MW-1 (DB) and 2 methyl naphthalene was reported to be present in the samples from wells MW-1 (OB) and MW-18 (OB). None of the reported concentrations exceeded any of the applicable (and available) RSR criteria.

2.3 *Extractable Total Petroleum Hydrocarbons (ETPH)*

ETPH by the CT ETPH Method was detected in six of the samples collected from the 40 sampled wells located within and around the former landfill including MW-1 (OB), MW-1 (OB), MW-6 (OB), MW-14 (OB), MW-17 (OB), and MW-18 (OB). Concentrations of ETPH were reported to be present exceeding GWPC only in the sample collected from well MW-1 (OB), as well as the duplicate sample MW-1 AOB.

2.4 *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 40 sampled wells located within and around the former landfill during the second quarter sampling event.

2.5 *Chlorinated Herbicides*

Chlorinated herbicides by EPA Method 8151A were not detected in any of the groundwater samples collected from the 40 sampled wells located within and around the former landfill during the second quarter sampling event.

2.6 *Chlorinated Pesticides*

Chlorinated pesticides by EPA Method 8081B were not detected in any of the groundwater samples collected from the 40 sampled wells located within and around the former landfill during the second quarter sampling event.

2.7 Metals

Eleven of the 15 metals analyzed were reported to be present in various combinations in all samples collected from the 40 sampled wells located in and around the former landfill. Concentrations of arsenic, cadmium and mercury 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-2 (OB), MW-9 (R), MW-14 (R), MW-16 (OB), MW-25 (R) and MW-27 (OB).

2.8 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. The second Quarter Sampling event parameters were found to be fairly consistent with the parameters of the first Quarter Sampling event. 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, *Surface Water Sample Exceedances* showing sample locations with boxes summarizing reported elevated contaminant concentration exceedances within collected groundwater samples and surface water samples are included with the report. In addition, maps entitled Figure 3, *Bedrock Monitoring Well Groundwater Elevation Contour Map – August 28, 2012* and Figure 4 *Soil Overburden Monitoring Well Groundwater Elevation Contour Map – August 28, 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.

3.0 TASK 3 – SURFACE WATER

Surface water samples were collected from eight of the nine designated locations on September 4, 2012. These locations included: five locations in the unnamed brook that flows along the northern edge of the landfill (SW-01 through SW-06 excluding SW-03 which was dry at the time of sampling), one location in Poorhouse Brook downstream of Scofieldtown Road (SW-07) and two within the small pond located in Scofieldtown Park (SW-08 and SW-09). Surface water samples were collected in a downstream to upstream direction in order to minimize the potential of cross-contamination from one sample location to another. 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 presented on Table 2 which includes both the first and second quarter laboratory results.

3.1 *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.

Chlorobenzene, a VOC, was reported to be present in the surface water samples SW-02 and SW-05 at concentrations of 1.1 ug/L and 1.9 ug/L respectively. These concentrations are well below the established WQS criteria. ETPH was reported to be present in the surface water samples SW-01, SW-02 and SW-09 at a concentrations ranging from 370 ug/L to 1,800 ug/L. There are no WQS criteria established for ETPH. Seven of the 15 metals (copper, iron, lead, manganese, potassium, sodium and zinc) which were analyzed for were reported to be present in various combinations in the eight surface water samples collected. Elevated concentrations with respect to the Aquatic Life Criteria were reported to be present in the surface water sample SW-01 for copper and zinc and for copper, lead and zinc in the surface water sample SW-02. No SVOCs, PCBs, pesticides or herbicides were reported above laboratory method detection limits in any of the collected surface water samples.

3.2 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 sample SW-02 appears to indicate a clear impact from the current and historic road salt storage area within the former landfill footprint adjacent to these sample locations. The reported concentration for the second Quarter Sampling event was significantly greater than the first Quarter Sampling event result. This may be a result of the decreased stream flow at this location during the second event which would tend to concentrate the chloride results.

4.0 TASK 4 – LEACHATE SEEP SAMPLING

Of the five leachate seeps along the northern boundary of the former landfill area identified during the leachate seep inspection conducted on June 16, 2012, none were actively flowing during the second Quarter Sampling event and therefore no leachate seep samples were collected.

5.0 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 the second of four quarterly events which will be conducted over the next year with each round roughly corresponding to the middle of each season.

6.0 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. The reported concentrations from the second Quarter Sampling event are consistent with the concentrations of the first Quarter Sampling event with the exception of well MW-19R where concentrations of the VOCs reported to be present increased. 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.
- In both quarters, petroleum VOCs were reported to be present in similar concentrations in the samples from the monitoring wells where petroleum compounds were previously identified.
- ETPH was not reported above the method detection limit in the groundwater sample collected from the bedrock well near the Community Gardens where it had been reported during the first sampling event.
- ETPH has been reported to be present in the second quarter in surface water samples SW-01, SW-02 and SW-09 where it previously had not been reported. These results may be indicative of reduced water flow or a change in runoff.
- The elevated concentrations of benzo(b)fluorunthene reported to be present in wells MW-SR and well MW-24 (OB) in the first quarter are not detected in the second quarter. ETPH reported to be present in well MW-23R in the first quarter was also not present in the second quarter.
- The presence of elevated concentrations of metals in the two surface water samples collected from the upstream locations of the unnamed brook may be a result of the reduced stream flow during the second Quarter Sampling event.
- TRC has thoroughly evaluated the data obtained from both quarters of sampling of the monitoring wells, and surface water sampling locations. This evaluation indicates that as with the first quarter, no immediate corrective action is needed to prevent further impact to down-gradient receptors.

TABLES

Table 1
2nd Quarter Groundwater Analytical
Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

Well ID: Sample Date: Quarter: Lab Report:	CT RSR Criteria				MW-1 OB	MW-1A OB	MW-1 OB	MW-1A OB	MW-1 R	MW-1 R	MW-2 OB	MW-2 OB	MW-2 R	MW-2 R	MW-3 OB	MW-3 OB	MW-3 R	MW-3 R	MW-4 OB	MW-4 OB
	Notes:	GWPC	SWPC	Res. V/C	I/C V/C	5/8/2012 Quarter 1 12050186	5/8/2012 Quarter 1 12050186	8/30/2012 Quarter 2 12080721	8/30/2012 Quarter 2 12080721	5/8/2012 Quarter 1 12050186	8/30/2012 Quarter 2 12080721	5/15/2012 Quarter 1 12050360	8/31/2012 Quarter 2 12080741	5/15/2012 Quarter 1 12050360	8/31/2012 Quarter 2 12080741	5/10/2012 Quarter 1 12050273	8/29/2012 Quarter 2 12080697	5/10/2012 Quarter 1 12050273	8/29/2012 Quarter 2 12080697	5/9/2012 Quarter 1 12050225
Analysis/ Analytes					On-site	Duplicate of MW-1 OB	On-site	Duplicate of MW-1 OB	On-site	On-site	On-site	On-site	On-site	On-site	On-site	On-site	On-site	On-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																
1,1-Dichloroethane	70	~	34,600	50,000																
1,1-Dichloroethene (1,1-Dichloroethylene)	7	96	1	6																
1,2,4-Trimethylbenzene	~	~	~	~	40	41	37	40												
1,2-Dichlorobenzene	600	170,000	30,500	50,000																
1,3,5-Trimethylbenzene	~	~	~	~	14	15	11	12												
1,4-Dichlorobenzene	75	26,000	50,000	50,000	21	21		22												
4-Isopropyltoluene	~	~	~	~	2.1	2.3														
Benzene	1	710	215	530	44	44	38	39												
Bromodichloromethane	~	~	~	~																
Chlorobenzene	100	420,000	1,800	6,150	13	13	11	12							3.1	3.4				
Chloroform	6	14,100	287	710																
cis-1,2-Dichloroethene	70	~	~	~						1.2			4.7	4.5						
Ethylbenzene	700	580,000	50,000	50,000	78	79	57	60												
Isopropylbenzene	~	~	~	~	4.3	4.5	3.7	3.8												
m+p Xylenes	530	~	21,300	50,000	86	85	78	80												
n-Butylbenzene	~	~	~	~		1.7														
n-Propylbenzene	~	~	~	~	4.8	4.9	3.2	3.5												
Naphthalene	280	~	~	~	66	83	73	86												
o-Xylene	530	~	21,300	50,000	25	25	18	18												
sec-Butylbenzene	~	~	~	~	1.1	1.2	1.1	1.0												
Tetrachloroethylene (PCE)	5	88	1,500	3,820																
Toluene	1,000	4,000,000	23,500	50,000	11	11	12	13												
trans-1,2-Dichloroethene	100	~	~	~																
Trichloroethylene (TCE)	5	2,340	219	540									1.5	1.0						
Vinyl Chloride	2	15,750	2	2																
Semi-Volatile Organic Compounds (SVOCs)																				
Method 8270 (µg/l)																				
2-Methyl Naphthalene	~	~	~	~	1.4	1.4	1.2	1.3												
Benzo[b]fluoranthene	0.08	0.3	~	~																
Naphthalene	280	~	~	~	19	19	19	22												
Phenanthrene	200	0.3	~	~																
Extractable Total Petroleum Hydrocarbons (ETPH)																				
CTETPH Method (µg/l)																				
	500	~	~	~	1,300	1,600	1,600	2,200			240	130								

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
2nd Quarter Groundwater Analytical
Results Summary
 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: Quarter: Lab Report:	CT RSR Criteria				MW-1 OB	MW-1A OB	MW-1 OB	MW-1A OB	MW-1 R	MW-1 R	MW-2 OB	MW-2 OB	MW-2 R	MW-2 R	MW-3 OB	MW-3 OB	MW-3 R	MW-3 R	MW-4 OB	MW-4 OB
	Notes:	GWPC	SWPC	Res. V/C	I/C V/C	5/8/2012 Quarter 1 12050186	5/8/2012 Quarter 1 12050186	8/30/2012 Quarter 2 12080721	8/30/2012 Quarter 2 12080721	5/8/2012 Quarter 1 12050186	8/30/2012 Quarter 2 12080721	5/15/2012 Quarter 1 12050360	8/31/2012 Quarter 2 12080741	5/15/2012 Quarter 1 12050360	8/31/2012 Quarter 2 12080741	5/10/2012 Quarter 1 12050273	8/29/2012 Quarter 2 12080697	5/10/2012 Quarter 1 12050273	8/29/2012 Quarter 2 12080697	5/9/2012 Quarter 1 12050225
Analysis/ Analytes					On-site	Duplicate of MW-1 OB	On-site	Duplicate of MW-1 OB	On-site	On-site	On-site	On-site	On-site	On-site	On-site	On-site	On-site	On-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	~	~	<u>12</u>	<u>11</u>	<u>14</u>	<u>14</u>				<u>4.3</u>								
Cadmium	5	6	~	~					4,800	6,700	15,000	14,000	8,700	10,000	8,000	15,000	4,400	5,900	200	1,500
Iron	~	~	~	~	9,800	10,000	8,300	8,600												
Lead	15	13	~	~																
Manganese	~	~	~	~	210	210	160	160	22,000	21,000	2,300	2,100	2,300	2,200	170	340	5,300	6,100		130
Mercury	2	0.4	~	~																
Nickel	100	880	~	~					7,800	9,500	24,000	24,000	15,000	15,000	8,200	14,000	3,000	3,100		5,600
Potassium	~	~	~	~	83,000	88,000	120,000	120,000												
Selenium	50	50	~	~																
Sodium	~	~	~	~	8,800,000	9,000,000	3,000,000	2,100,000	1,000,000	920,000	63,000	67,000	51,000	55,000	140,000	170,000	89,000	78,000	24,000	310,000
Zinc	5,000	123	~	~				20												
Dissolved Priority Pollutant Metals Method 200.8 (µg/l)																				
Arsenic	50	4	~	~	<u>8.7</u>	<u>11</u>														
Cadmium	5	6	~	~																
Iron	~	~	~	~	150		110		1,600	1,600		220	870	2,700	4,800	4,400	2,800	3,800		490
Lead	15	13	~	~																
Manganese	~	~	~	~	190	180	200	130	27,000	23,000	2,200	1,800	2,000	1,800	150	260	5,700	5,300		96
Mercury	2	0.4	~	~																
Nickel	100	880	~	~																
Zinc	5,000	123	~	~																
General Chemistry (µg/l)																				
Alkalinity, Tot(CaCO3)	~	~	~	~	870,000	820,000	880,000	790,000	210,000	210,000	620,000	520,000	305,000	310,000	130,000	203,000	65,000	80,000	42,000	93,000
Ammonia as N	~	~	~	~	13,000	13,000	8,900	9,800	220	850	56,000	5,700	48,000	180	270	450				
Biochemical Oxygen Demand, 5 Day	~	~	~	~	720,000	660,000		3,000	75,000											
Chloride	~	~	~	~	14,000,000	14,000,000	15,000,000	14,000,000	1,730,000	1,900,000	100,000	100,000	81,000	76,000	220,000	240,000	230,000	200,000	13,000	505,000
Hardness	~	~	~	~	580,000	610,000	580,000	580,000	540,000	510,000	590,000	520,000	290,000	290,000	94,000	140,000	160,000	170,000	33,000	120,000
Nitrate as N	~	~	~	~															960	770
Sulfate	~	~	~	~	12,000	13,000	46,000		27,000	29,000	33,000	16,000	19,000	13,000	1,000		12,000	7,600	3,100	44,000
Total Dissolved Solids	~	~	~	~	100,000	120,000	23,000,000	22,000,000	110,000	3,700,000	700,000	710,000	400,000	480,000	100,000	610,000	110,000	560,000	120,000	880,000
Total Suspended Solids	~	~	~	~	71,000	81,000	38,000	45,000	21,000	46,000	44,000	45,000	24,000	22,000		14,000				

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.
- RSR criteria are in the same units as the analyte.

Legend:

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Table 1
2nd Quarter Groundwater Analytical
Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

Well ID: Sample Date: Quarter: Lab Report:	CT RSR Criteria				MW-4 R	MW-4 R	MW-5 R	MW-5 R	MW-6 OB	MW-6 OB	MW-6 R	MW-6 R	MW-9 OB	MW-9 OB	MW-9 R	MW-9 R	MW-10 R	MW-10 R	MW-11 R	MW-11 R	
	Notes:	GWPC	SWPC	Res. V/C	I/C V/C	5/9/2012 Quarter 1 12050225	9/4/2012 Quarter 2 12090027	5/10/2012 Quarter 1 12050273	8/29/2012 Quarter 2 12080697	5/8/2012 Quarter 1 12050186	8/30/2012 Quarter 2 12080721	5/7/2012 Quarter 1 12050178	8/30/2012 Quarter 2 12080721	5/14/2012 Quarter 1 12050332	8/31/2012 Quarter 2 12050360	5/15/2012 Quarter 1 12050360	8/31/2012 Quarter 2 12080741	5/11/2012 Quarter 1 12050307	8/29/2012 Quarter 2 12080697	5/10/2012 Quarter 1 12050273	8/29/2012 Quarter 2 12080697
Analysis/ Analytes					Off-site	Off-site	Off-site	Off-site	On-site	On-site	On-site	On-site	On-site	No Sample Insufficient Water in Well	On-site	On-site	On-site	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																	
1,1-Dichloroethene (1,1-Dichloroethylene)	7	96	1	6																	
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	~	~	~	~																	
Chlorobenzene	100	420,000	1,800	6,150																	
Chloroform	6	14,100	287	710																	
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																	
trans-1,2-Dichloroethene	100	~	~	~																	
Trichloroethylene (TCE)	5	2,340	219	540																	
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	~	~			0.11														
Naphthalene	280	~	~	~																	
Phenanthrene	200	0.3	~	~																	
Extractable Total Petroleum Hydrocarbons (ETPH)																					
CTETPH Method (µg/l)																					
	500	~	~	~						270					350						

Notes:

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Table 1
2nd Quarter Groundwater Analytical
Results Summary
 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: Quarter: Lab Report:	CT RSR Criteria				MW-4 R	MW-4 R	MW-5 R	MW-5 R	MW-6 OB	MW-6 OB	MW-6 R	MW-6 R	MW-9 OB	MW-9 OB	MW-9 R	MW-9 R	MW-10 R	MW-10 R	MW-11 R	MW-11 R
	Notes:	GWPC	SWPC	Res. V/C	I/C V/C	5/9/2012 Quarter 1 12050225	9/4/2012 Quarter 2 12090027	5/10/2012 Quarter 1 12050273	8/29/2012 Quarter 2 12080697	5/8/2012 Quarter 1 12050186	8/30/2012 Quarter 2 12080721	5/7/2012 Quarter 1 12050178	8/30/2012 Quarter 2 12080721	5/14/2012 Quarter 1 12050332	8/31/2012 Quarter 2 12050360	5/15/2012 Quarter 1 12050360	8/31/2012 Quarter 2 12080741	5/11/2012 Quarter 1 12050307	8/29/2012 Quarter 2 12080697	5/10/2012 Quarter 1 12050273
Analysis/ Analytes					Off-site	Off-site	Off-site	Off-site	On-site	On-site	On-site	On-site	On-site	No Sample Insufficient Water in Well	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	~	~																
Cadmium	5	6	~	~																
Iron	~	~	~	~	210	160	540		33,000	51,000	13,000	16,000	7,200		420	140	150	340	190	
Lead	15	13	~	~									20							
Manganese	~	~	~	~	57	22			990	1,600	5,200	5,000	130		46	42	970	1,500	270	150
Mercury	2	0.4	~	~												<u>0.58</u>				
Nickel	100	880	~	~																
Potassium	~	~	~	~	1,400	3,500	2,300	2,300	84,000	120,000	16,000	16,000	4,600	9,300	9,200	11,000	15,000	2,300	2,100	
Selenium	50	50	~	~																
Sodium	~	~	~	~	130,000	160,000	9,500	10,000	69,000	94,000	470,000	410,000	27,000	40,000	42,000	450,000	550,000	94,000	63,000	
Zinc	5,000	123	~	~																
Dissolved Priority Pollutant Metals Method 200.8 (µg/l)																				
Arsenic	50	4	~	~																
Cadmium	5	6	~	~																
Iron	~	~	~	~			130	6,500	720	100	510	5,500								
Lead	15	13	~	~									17							
Manganese	~	~	~	~	54				1,000	1,300	5,200	5,200	130		210		860	1,300	250	130
Mercury	2	0.4	~	~																
Nickel	100	880	~	~																
Zinc	5,000	123	~	~		21														
General Chemistry (µg/l)																				
Alkalinity, Tot(CaCO3)	~	~	~	~	46,000	42,000	35,000	37,000	610,000	810,000	380,000	330,000	105,000		83,000	100,000	110,000	78,000	55,000	30,000
Ammonia as N	~	~	~	~					3,000	2,800	1,500	1,200	190							
Biochemical Oxygen Demand, 5 Day	~	~	~	~	16,000				72,000	21,000	48,000		36,000		16,000		5,300			
Chloride	~	~	~	~	220,000	270,000	5,100	5,100	100,000	140,000	960,000	890,000	38,000		71,000	70,000	820,000	1,230,000	140,000	98,000
Hardness	~	~	~	~	55,000	57,000	28,000	28,000	450,000	660,000	510,000	530,000	88,000		91,000	120,000	270,000	390,000	41,000	34,000
Nitrate as N	~	~	~	~	1,300	1,100	630	860										140	200	970
Sulfate	~	~	~	~	21,000	27,000	15,000	19,000			6,900	6,800	3,100		19,000	19,000	27,000	31,000	12,000	13,000
Total Dissolved Solids	~	~	~	~	110,000	450,000	100,000	67,000	110,000	1,500,000	160,000	2,300,000	210,000		230,000	300,000	1,500,000	2,100,000	110,000	220,000
Total Suspended Solids	~	~	~	~	5,000		11,000		78,000	120,000	45,000	42,000	10,000		28,000	13,000	8,000	6,000		

Notes:

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Table 1
2nd Quarter Groundwater Analytical
Results Summary Table
 Off-Site Impact Analysis
 Scofieldtown Park Landfill, Stamford, CT

Well ID: Sample Date: Quarter: Lab Report:	CT RSR Criteria				MW-12 OB	MW-12 OB	MW-12 R	MW-12 R	MW-13 OB	MW-13 OB	MW-13 R	MW-13 R	MW-14 OB	MW-14 OB	MW-14A OB	MW-14 R	MW-14 R	MW-15 R	MW-15 R
	Notes:	GWPC	SWPC	Res. V/C	I/C V/C	5/9/2012 Quarter 1 12050225	9/5/2012 Quarter 2 12090046	5/9/2012 Quarter 1 12050225	9/5/2012 Quarter 2 12090046	5/11/2012 Quarter 1 12050307	8/31/2012 Quarter 2	5/14/2012 Quarter 1 12050332	8/31/2012 Quarter 2 12080741	5/7/2012 Quarter 1 12050178	8/30/2012 Quarter 2 12080721	8/30/2012 Quarter 2 12080721	5/7/2012 Quarter 1 12050178	8/30/2012 Quarter 2 12080721	5/8/2012 Quarter 1 12050186
Analysis/ Analytes					On-site	On-site	On-site	On-site	On-site	No Sample Insufficient Water in Well	On-site	On-site	On-site	On-site	Duplicate of MW-14 OB	On-site	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															
1,1-Dichloroethene (1,1-Dichloroethylene)	7	96	1	6									1.1	2.3	2.1				
1,2,4-Trimethylbenzene	~	~	~	~															
1,2-Dichlorobenzene	600	170,000	30,500	50,000															
1,3,5-Trimethylbenzene	~	~	~	~										1.3	1.1				
1,4-Dichlorobenzene	75	26,000	50,000	50,000															
4-Isopropyltoluene	~	~	~	~															
Benzene	1	710	215	530														1.9	
Bromodichloromethane	~	~	~	~															
Chlorobenzene	100	420,000	1,800	6,150												2.6	3.5	11	
Chloroform	6	14,100	287	710															
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	~	~	~									7.3						
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			3.2												
trans-1,2-Dichloroethene	100	~	~	~															
Trichloroethylene (TCE)	5	2,340	219	540												1.2			
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	~	~															
Naphthalene	280	~	~	~															
Phenanthrene	200	0.3	~	~															
Extractable Total Petroleum Hydrocarbons (ETPH)																			
CTETPH Method (µg/l)																			
	500	~	~	~														180	

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Table 1
2nd Quarter Groundwater Analytical
Results Summary
 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: Quarter: Lab Report:	CT RSR Criteria				MW-12 OB	MW-12 OB	MW-12 R	MW-12 R	MW-13 OB	MW-13 OB	MW-13 R	MW-13 R	MW-14 OB	MW-14 OB	MW-14A OB	MW-14 R	MW-14 R	MW-15 R	MW-15 R	
	Notes:	GWPC	SWPC	Res. V/C	I/C V/C	5/9/2012 Quarter 1 12050225	9/5/2012 Quarter 2 12090046	5/9/2012 Quarter 1 12050225	9/5/2012 Quarter 2 12090046	5/11/2012 Quarter 1 12050307	8/31/2012 Quarter 2 12050332	5/14/2012 Quarter 1 12080741	8/31/2012 Quarter 2 12080741	5/7/2012 Quarter 1 12080721	8/30/2012 Quarter 2 12080721	8/30/2012 Quarter 2 12080721	5/7/2012 Quarter 1 12050178	8/30/2012 Quarter 2 12080721	5/8/2012 Quarter 1 12050186	9/5/2012 Quarter 2 12090046
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	~	~																4.8
Cadmium	5	6	~	~																
Iron	~	~	~	~	15,000	17,000	5,300	440	510			380	400	12,000	8,500	8,200	41,000	36,000	860	680
Lead	15	13	~	~			52		19					330						
Manganese	~	~	~	~	1,600	1,600	300	230	50			650	300	220	160	150	4,000	3,100	230	270
Mercury	2	0.4	~	~																
Nickel	100	880	~	~																52
Potassium	~	~	~	~		3,000	2,700	3,500	3,600			5,100	4,700	100,000	100,000	100,000	18,000	17,000	7,100	8,100
Selenium	50	50	~	~																
Sodium	~	~	~	~	24,000	34,000	34,000	26,000	23,000			76,000	69,000	160,000	110,000	130,000	490,000	390,000	32,000	46,000
Zinc	5,000	123	~	~					62					410						69
Dissolved Priority Pollutant Metals Method 200.8 (µg/l)																				
Arsenic	50	4	~	~																
Cadmium	5	6	~	~																
Iron	~	~	~	~	10,000	9,700	490										4,900	14,000		
Lead	15	13	~	~																
Manganese	~	~	~	~	1,800	1,200	250	190	55			550	230	150	130	130	3,700	2,800	460	190
Mercury	2	0.4	~	~																0.69
Nickel	100	880	~	~																
Zinc	5,000	123	~	~					55											70
General Chemistry (µg/l)																				
Alkalinity, Tot(CaCO3)	~	~	~	~	55,000	45,000	50,000	52,000	85,000			46,000	44,000	950,000	920,000	920,000	630,000	380,000	210,000	150,000
Ammonia as N	~	~	~	~									4,100	4,400	5,600	2,900	2,600			
Biochemical Oxygen Demand, 5 Day	~	~	~	~	12,000							7,000		72,000	4,000	4,000	54,000	12,000	12,000	
Chloride	~	~	~	~	49,000	44,000	51,000	50,000	35,000			140,000	120,000	190,000	200,000	200,000	910,000	700,000	55,000	63,000
Hardness	~	~	~	~	54,000	54,000	59,000	63,000	84,000			78,000	60,000	630,000	660,000	640,000	280,000	240,000	210,000	180,000
Nitrate as N	~	~	~	~					200			150	110						3,000	3,300
Sulfate	~	~	~	~	9,300	4,100	16,000	12,000	12,000			19,000	21,000				3,500	3,800	32,000	30,000
Total Dissolved Solids	~	~	~	~	140,000	140,000	120,000	140,000	250,000			310,000	210,000	100,000	1,500,000	1,300,000	140,000	1,400,000	120,000	290,000
Total Suspended Solids	~	~	~	~	6,000	6,000	48,000	10,000	5,000			14,000	9,000	44,000	18,000		86,000	67,000		11,000

Notes:

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Table 1
2nd Quarter Groundwater Analytical
Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

Well ID: Sample Date: Quarter: Lab Report:	CT RSR Criteria				MW-16 OB	MW-16 OB	MW-16 R	MW-16 R	MW-17 OB	MW-17A OB	MW-17 OB	MW-17 R	MW-17 R	MW-18 OB	MW-18 OB	MW-18 R	MW-18 R	MW-19 R	MW-19 R
	Notes:	GWPC	SWPC	Res. V/C	I/C V/C	5/14/2012 Quarter 1 12050332	8/29/2012 Quarter 2 12080697	5/15/2012 Quarter 1 12050360	8/29/2012 Quarter 2 12080697	5/14/2012 Quarter 1 12050332	5/14/2012 Quarter 1 12050332	8/30/2012 Quarter 2 12080721	5/9/2012 Quarter 1 12050225						
Analysis/ Analytes					On-site	On-site	On-site	On-site	On-site	Duplicate of MW-17A OB	On-site	On-site							
Volatile Organic Compounds (VOCs)																			
Method 8260 (µg/l)																			
1,1,1-Trichloroethane (TCA)	200	62,000	20,400	50,000														4.2	45
1,1-Dichloroethane	70	~	34,600	50,000													6.5	7.2	
1,1-Dichloroethene (1,1-Dichloroethylene)	7	96	1	6													3.6	5.4	1
1,2,4-Trimethylbenzene	~	~	~	~										10	3.5				
1,2-Dichlorobenzene	600	170,000	30,500	50,000										3.3	2.7				
1,3,5-Trimethylbenzene	~	~	~	~										3.3	1.1				
1,4-Dichlorobenzene	75	26,000	50,000	50,000										2.4	1.8				
4-Isopropyltoluene	~	~	~	~							1.9			4.1					
Benzene	1	710	215	530							2.0			1.1	1.1	2.5	2.3		
Bromodichloromethane	~	~	~	~															
Chlorobenzene	100	420,000	1,800	6,150					3	2.8	17			5.8	2.4				
Chloroform	6	14,100	287	710													220	320	
cis-1,2-Dichloroethene	70	~	~	~									15	15					3.8
Ethylbenzene	700	580,000	50,000	50,000										6.2	2.4				
Isopropylbenzene	~	~	~	~										43	37				
m+p Xylenes	530	~	21,300	50,000										8.7	3.1				
n-Butylbenzene	~	~	~	~															
n-Propylbenzene	~	~	~	~										35	27				
Naphthalene	280	~	~	~															
o-Xylene	530	~	21,300	50,000															
sec-Butylbenzene	~	~	~	~										5.1	3.7				
Tetrachloroethylene (PCE)	5	88	1,500	3,820													12	12	
Toluene	1,000	4,000,000	23,500	50,000															
trans-1,2-Dichloroethene	100	~	~	~														1.1	
Trichloroethylene (TCE)	5	2,340	219	540									12	4.2			160	100	23
Vinyl Chloride	2	15,750	2	2													110	170	190
Semi-Volatile Organic Compounds (SVOCs)																			
Method 8270 (µg/l)																			
2-Methyl Naphthalene	~	~	~	~										6	3.9				
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	200	250		430	230	140			

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 RSR GWPC for the parameter.
4. For water samples underlined values exceed the RSR SWPC for the parameter.
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Results Summary
 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: Quarter: Lab Report:	CT RSR Criteria				MW-16 OB	MW-16 OB	MW-16 R	MW-16 R	MW-17 OB	MW-17A OB	MW-17 OB	MW-17 R	MW-17 R	MW-18 OB	MW-18 OB	MW-18 R	MW-18 R	MW-19 R	MW-19 R
	GWPC	SWPC	Res. V/C	I/C V/C	5/14/2012 Quarter 1 12050332	8/29/2012 Quarter 2 12080697	5/15/2012 Quarter 1 12050360	8/29/2012 Quarter 2 12080697	5/14/2012 Quarter 1 12050332	5/14/2012 Quarter 1 12050332	8/30/2012 Quarter 2 12080721	5/9/2012 Quarter 1 12050225	9/5/2012 Quarter 2 12090046						
Analysis/ Analytes	Notes:				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	6.8												
Iron		~	~	~	~	190	1,600	3,900	3,200	17,000	17,000	40,000	160	1,200	28,000	31,000		290	410
Lead		15	13	~	~														
Manganese		~	~	~	~	110	550	20,000	19,000	1,000	1,000	1,100	1,100	1,000	2,900	2,800	200	210	550
Mercury		2	0.4	~	~														
Nickel		100	880	~	~			100	91	65	64								
Potassium		~	~	~	~	15,000	14,000	7,100	6,600	100,000	100,000	93,000	20,000	17,000	29,000	29,000	11,000	11,000	9,800
Selenium		50	50	~	~			11	11										
Sodium		~	~	~	~	620,000	570,000	350,000	360,000	84,000	85,000	150,000	220,000	170,000	51,000	54,000	44,000	41,000	47,000
Zinc		5,000	123	~	~	130	110	24	24	69	78								29
Dissolved Priority Pollutant Metals																			
Method 200.8 (µg/l)																			
Arsenic		50	4	~	~														
Cadmium		5	6	~	~	6.6	6.3												
Iron		~	~	~	~			1,100	1,400	590	1,100			3,600	1,500				
Lead		15	13	~	~														
Manganese		~	~	~	~	97	550	25,000	20,000	950	890	810	1,000	890	2,600	2,500	210	170	530
Mercury		2	0.4	~	~														
Nickel		100	880	~	~			95	82	65	62								
Zinc		5,000	123	~	~	110	99	21		62	58								28
General Chemistry (µg/l)																			
Alkalinity, Tot(CaCO3)		~	~	~	~	340,000	423,000	48,000	60,000	880,000	880,000	850,000	240,000	220,000	450,000	130,000	150,000	450,000	230,000
Ammonia as N		~	~	~	~					1,900	2,000	3,400	750	260	2,900	2,000			
Biochemical Oxygen Demand, 5 Day		~	~	~	~	63,000		60,000		120,000	120,000	20,000	30,000	41,000	8,000	13,000			15,000
Chloride		~	~	~	~	1,010,000	800,000	970,000	980,000	130,000	140,000	240,000	390,000	360,000	87,000	92,000	100,000	100,000	79,000
Hardness		~	~	~	~	380,000	350,000	460,000	41,000	780,000	780,000	730,000	280,000	300,000	370,000	390,000	250,000	290,000	240,000
Nitrate as N		~	~	~	~	1,000				120									1,800
Sulfate		~	~	~	~	120,000	76,000	23,000	24,000	20,000	19,000		29,000	27,000	12,000	2,000	76,000	80,000	48,000
Total Dissolved Solids		~	~	~	~	2,000,000	1,800,000	1,600,000	2,000,000	1,200,000	1,200,000	1,500,000	920,000	810,000	550,000	640,000	460,000	540,000	110,000
Total Suspended Solids		~	~	~	~	50,000	300,000	28,000		55,000	55,000	100,000	7,000	10,000	77,000	68,000	13,000		18,000

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.
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- 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
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- GWPC: Ground Water Protection Criteria
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Table 1
2nd Quarter Groundwater Analytical
Results Summary Table
 Off-Site Impact Analysis
 Scofieldtown Park Landfill, Stamford, CT

Well ID: Sample Date: Quarter: Lab Report:	CT RSR Criteria				MW-21 OB	MW-21 OB	MW-21 R	MW-21 R	MW-22 OB	MW-22 OB	MW-22 R	MW-22 R	MW-23 OB	MW-23 OB	MW-23 R	MW-23 R	MW-24 OB	MW-24 OB	MW-24 R	MW-24R
	Notes:	GWPC	SWPC	Res. V/C	I/C V/C	5/10/2012 Quarter 1 12050273	8/28/2012 Quarter 2 12080697	5/10/2012 Quarter 1 12050273	8/28/2012 Quarter 2 12080697	5/11/2012 Quarter 1 12050307	8/29/2012 Quarter 2	5/11/2012 Quarter 1 12050307	8/29/2012 Quarter 2	5/9/2012 Quarter 1 12050225	8/29/2012 Quarter 2 12080697	5/10/2012 Quarter 1 12050273	8/29/2012 Quarter 2 12080697	5/10/2012 Quarter 1 12050273	9/4/2012 Quarter 2 12090027	5/10/2012 Quarter 1 12050273
Analysis/ Analytes					Off-site	Off-site	Off-site	Off-site	Off-site	No Sample Insufficient Water in Well	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															
1,1-Dichloroethane		70	~	34,600	50,000															
1,1-Dichloroethene (1,1-Dichloroethylene)		7	96	1	6															
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															
trans-1,2-Dichloroethene		100	~	~	~															
Trichloroethylene (TCE)		5	2,340	219	540															
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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Table 1
2nd Quarter Groundwater Analytical
Results Summary
 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: Quarter: Lab Report:	CT RSR Criteria				MW-21 OB	MW-21 OB	MW-21 R	MW-21 R	MW-22 OB	MW-22 OB	MW-22 R	MW-22 R	MW-23 OB	MW-23 OB	MW-23 R	MW-23 R	MW-24 OB	MW-24 OB	MW-24 R	MW-24R
	Notes:	GWPC	SWPC	Res. V/C	I/C V/C	5/10/2012 Quarter 1 12050273	8/28/2012 Quarter 2 12080697	5/10/2012 Quarter 1 12050273	8/28/2012 Quarter 2 12080697	5/11/2012 Quarter 1 12050307	8/29/2012 Quarter 2	5/11/2012 Quarter 1 12050307	8/29/2012 Quarter 2 12080697	5/9/2012 Quarter 1 12050225	8/29/2012 Quarter 2 12080697	5/10/2012 Quarter 1 12050273	8/29/2012 Quarter 2 12080697	5/10/2012 Quarter 1 12050273	9/4/2012 Quarter 2 12090027	5/10/2012 Quarter 1 12050273
Analysis/ Analytes					Off-site	Off-site	Off-site	Off-site	Off-site	No Sample Insufficient Water in Well	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	~	~	~	~	8,700	26,000	18,000	17,000	190							220		150	150	
Lead	15	13	~	~																
Manganese	~	~	~	~	1,100	1,700	370	340	320			280	74		750	630	190	340	82	82
Mercury	2	0.4	~	~																
Nickel	100	880	~	~																
Potassium	~	~	~	~	5,700	8,800	1,600	1,700	3,800		5,800	3,900	4,600	6,200	2,300	1,700		2,700	11,000	9,000
Selenium	50	50	~	~																
Sodium	~	~	~	~	160,000	190,000	24,000	24,000	3,800		27,000	18,000	3,500	6,000	15,000	25,000	17,000	19,000	100,000	120,000
Zinc	5,000	123	~	~		27			25											
Dissolved Priority Pollutant Metals Method 200.8 (µg/l)																				
Arsenic	50	4	~	~																
Cadmium	5	6	~	~																
Iron	~	~	~	~	4,600	9,700	17,000	13,000								140				
Lead	15	13	~	~																
Manganese	~	~	~	~	960	1,400	360	280	270			220	70		690	540	180	240	69	64
Mercury	2	0.4	~	~											<u>1.4</u>				<u>0.4</u>	
Nickel	100	880	~	~																
Zinc	5,000	123	~	~					28									23		
General Chemistry (µg/l)																				
Alkalinity, Tot(CaCO3)	~	~	~	~	150,000	110,000	35,000	28,000	14,000		99,000	95,000	20,000	34,000	70,000	80,000	75,000	180,000	140,000	150,000
Ammonia as N	~	~	~	~		1,900	190				330									
Biochemical Oxygen Demand, 5 Day	~	~	~	~		4,000														
Chloride	~	~	~	~	230,000	310,000	68,000	57,000	3,600		4,400	10,000	4,500	8,300	11,000	8,600	45,000	97,000	480,000	590,000
Hardness	~	~	~	~	66,000	72,000	54,000	51,000	18,000		63,000	79,000	23,000	28,000	50,000	34,000	22,000	100,000	620,000	700,000
Nitrate as N	~	~	~	~					620		440	1,300	2,100	1,300					1,300	1,500
Sulfate	~	~	~	~	11,000		23,000	31,000	13,000		20,000	17,000	8,800	14,000	14,000	8,200	9,800	8,700	41,000	45,000
Total Dissolved Solids	~	~	~	~	90,000	600,000	100,000	200,000	38,000		130,000	140,000	110,000	74,000	110,000	110,000	130,000	240,000	100,000	2,100,000
Total Suspended Solids	~	~	~	~	62,000	200,000	6,000					6,000			12,000	5,000			6,000	

Notes:

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- ~ = No Standard established.
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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.
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- RSR criteria are in the same units as the analyte.

Legend:

- OB: Soil Overburden Monitoring Well
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Table 1
2nd Quarter Groundwater Analytical
Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

Well ID: Sample Date: Quarter: Lab Report:	CT RSR Criteria				MW-25 OB	MW-25 OB	MW-25 R	MW-25 R	MW-26 OB	MW-26 OB	MW-26 R	MW-26 R	MW-27 OB	MW-27 OB	MW-27 R	MW-27 R
	GWPC	SWPC	Res. V/C	I/C V/C	5/11/2012 Quarter 1 12050307	9/5/2012 Quarter 2 12090046	5/11/2012 Quarter 1 12050307	9/5/2012 Quarter 2 12090046	5/9/2012 Quarter 1 12050225	8/31/2012 Quarter 2 12080741	5/9/2012 Quarter 1 12050225	8/31/2012 Quarter 2 12080741	5/11/2012 Quarter 1 12050307	8/31/2012 Quarter 2 12080741	5/11/2012 Quarter 1 12050307	8/31/2012 Quarter 2 12080741
Analysis/ Analytes	Notes:	GWPC	SWPC	Res. V/C	I/C V/C	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											
1,1-Dichloroethane		70	~	34,600	50,000											
1,1-Dichloroethene (1,1-Dichloroethylene)		7	96	1	6											
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		~	~	~	~											
Chlorobenzene		100	420,000	1,800	6,150											
Chloroform		6	14,100	287	710											
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											
trans-1,2-Dichloroethene		100	~	~	~											
Trichloroethylene (TCE)		5	2,340	219	540	1.3	2.1	2.9	1.5							
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	~	~											
Naphthalene		280	~	~	~											
Phenanthrene		200	0.3	~	~											
Extractable Total Petroleum Hydrocarbons (ETPH)																
CTETPH Method (µg/l)																
		500	~	~	~											

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 RSR GWPC for the parameter.
4. For water samples underlined values exceed the RSR SWPC for the parameter.
5. For water samples *shaded* values exceed the RSR Res. V/C for the parameter.
6. For water samples *italicised* values exceed the RSR I/C V/C for the parameter.
7. RSR criteria are in the same units as the analyte.

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Table 1
2nd Quarter Groundwater Analytical
Results Summary
 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: Quarter: Lab Report:	CT RSR Criteria				MW-25 OB	MW-25 OB	MW-25 R	MW-25 R	MW-26 OB	MW-26 OB	MW-26 R	MW-26 R	MW-27 OB	MW-27 OB	MW-27 R	MW-27 R
	GWPC	SWPC	Res. V/C	I/C V/C	5/11/2012 Quarter 1 12050307	9/5/2012 Quarter 2 12090046	5/11/2012 Quarter 1 12050307	9/5/2012 Quarter 2 12090046	5/9/2012 Quarter 1 12050225	8/31/2012 Quarter 2 12080741	5/9/2012 Quarter 1 12050225	8/31/2012 Quarter 2 12080741	5/11/2012 Quarter 1 12050307	8/31/2012 Quarter 2 12080741	5/11/2012 Quarter 1 12050307	8/31/2012 Quarter 2 12080741
Analysis/ Analytes	Notes:	GWPC	SWPC	Res. V/C	I/C V/C	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		~	~	~	~		230	680	440	1,100	490		140			700
Lead		15	13	~	~											
Manganese		~	~	~	~	370	120	87	130	62	21	28	81	180	170	480
Mercury		2	0.4	~	~									<u>0.76</u>		
Nickel		100	880	~	~											
Potassium		~	~	~	~	3,600	3,800	10,000	11,000		2,300	1,300	3,700	1,200	1,800	5,100
Selenium		50	50	~	~											
Sodium		~	~	~	~	130,000	130,000	54,000	52,000	80,000	89,000	60,000	63,000	12,000	19,000	21,000
Zinc		5,000	123	~	~											
Dissolved Priority Pollutant Metals																
Method 200.8 (µg/l)																
Arsenic		50	4	~	~											
Cadmium		5	6	~	~											
Iron		~	~	~	~					160						
Lead		15	13	~	~											
Manganese		~	~	~	~	330	94	70	120	73	21	35	57	160	130	430
Mercury		2	0.4	~	~			<u>0.43</u>	<u>1.1</u>							
Nickel		100	880	~	~											
Zinc		5,000	123	~	~	38										
General Chemistry (µg/l)																
Alkalinity, Tot(CaCO3)		~	~	~	~	52,000	55,000	102,000	120,000	46,000	44,000	66,000	74,000	19,000	12,000	140,000
Ammonia as N		~	~	~	~											
Biochemical Oxygen Demand, 5 Day		~	~	~	~											
Chloride		~	~	~	~	230,000	250,000	200,000	240,000	130,000	140,000	130,000	110,000	14,000	15,000	88,000
Hardness		~	~	~	~	110,000	100,000	270,000	280,000	56,000	49,000	120,000	130,000	18,000	16,000	220,000
Nitrate as N		~	~	~	~	2,500	2,400	320		4,100	4,700	4,100	4,700	160	950	
Sulfate		~	~	~	~	29,000	34,000	34,000	29,000	19,000	24,000	19,000	24,000	12,000	17,000	21,000
Total Dissolved Solids		~	~	~	~	460,000	400,000	550,000	560,000	100,000	280,000	100,000	320,000	66,000	160,000	340,000
Total Suspended Solids		~	~	~	~		5,000	90,000	10,000	42,000	30,000					

Notes:

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Table 2
2nd Quarter Surface Water Analytical
Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

Sample ID: Sample Date: Quarter: Lab Report:	CT Water Quality Standards Aquatic Life Criteria		CT Water Quality Standards Human Health Criteria		SW01-20120516 5/16/2012 Quarter 1 12050419	SW-01 9/4/2012 Quarter 2 12090028	SW02-20120516 5/16/2012 Quarter 1 12050419	SW-02 9/4/2012 Quarter 2 12090028	SW03-20120516 5/16/2012 Quarter 1 12050419	SW-03 9/4/2012 Quarter 2	SW04-20120516 5/16/2012 Quarter 1 12050419	SW-04 8/2012 Quarter 2 12090028	SW05-20120516 5/16/2012 Quarter 1 12050419	SW-05 8/2012 Quarter 2 12090028	
	Analysis/ Analytes	Notes:	Acute	Chronic	Consumption of Fish	Consumption of Fish & Water	Unnamed Brook	Unnamed Brook	Unnamed Brook	Unnamed Brook	Unnamed Brook	No Sample Location Dry	Unnamed Brook	Unnamed Brook	Unnamed Brook
Volatil Organic Compounds (VOCs)															
Method 8260 (µg/l)															
Chlorobenzene	~	~	1,600	100				1.1							1.9
Semi-Volatile Organic Compounds (SVOCs)															
Method 8270 (µg/l)															
Extractable Total Petroleum Hydrocarbons (ETPH)															
CTETPH Method (µg/l)															
	~	~	~	~		1,800		550	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)															
Copper	14.3	4.8	~	1,300		110		47							
Iron	~	~	~	~	1,700	640	1,400	38,000	4,700		810	850	1,600	5,000	
Lead	30	1.2	~	15				40							
Manganese	~	~	~	~	550	45	270	1,500	330		180	880	200	800	
Potassium	~	~	~	~	2,400	2,300	3,400	23,000	9,600		3,100	4,400	3,600	6,300	
Sodium	~	~	~	~	2,400	3,900	170,000	870,000	290,000		48,000	35,000	50,000	58,000	
Zinc	65	65	26,000	7,400	26	100	36	140	60						
Dissolved Priority Pollutant Metals															
Method 200.8 (µg/l)															
Copper	14.3	4.8	~	1,300		66									
Iron	~	~	~	~	790	160	360	340	210		320		770	770	
Lead	30	1.2	~	15								29			
Manganese	~	~	~	~	400	41	170	1,100	38		89	370	130	500	
Zinc	65	65	26,000	7,400	24	86	38								
General Chemistry (µg/l)															
Alkalinity, Tot(CaCO3)	~	~	~	~	30,000	14,000	90,000	410,000	150,000		55,000	57,000	55,000	110,000	
Ammonia as N	~	~	~	~				1,600					300	210	
Biochemical Oxygen Demand, 5 Day	~	~	~	~		9,400		15,000							
Chloride	860,000	230,000	~	~	110,000	4,200	<u>300,000</u>	1,300,000	<u>430,000</u>		80,000	60,000	80,000	84,000	
Hardness	~	~	~	~	51,000	15,000	74,000	290,000	110,000		59,000	65,000	66,000	100,000	
Nitrate as N	~	~	~	~	100	650	140		280		300	170	290	120	
Sulfate	~	~	~	~	8,700	3,400	15,000	6,800	11,000		8,800	11,000	8,600	8,000	
Total Dissolved Solids	~	~	~	~	280,000	72,000	480,000	2,300,000	770,000		190,000	190,000	220,000	280,000	
Total Suspended Solids	~	~	~	~		7,000	10,000	180,000	26,000		8,000	6,000	12,000	7,000	

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 CT Water Quality Standards Acute Aquatic Life Criteria for the parameter.
- For water samples underlined values exceed the CT Water Quality Standards Chronic Aquatic Life Criteria for the parameter.
- CT Water Quality Standards criteria are in the same units as the analyte.



Table 2
2nd Quarter Surface Water Analytical
Results Summary Table
Off-Site Impact Analysis
Scofieldtown Park Landfill, Stamford, CT

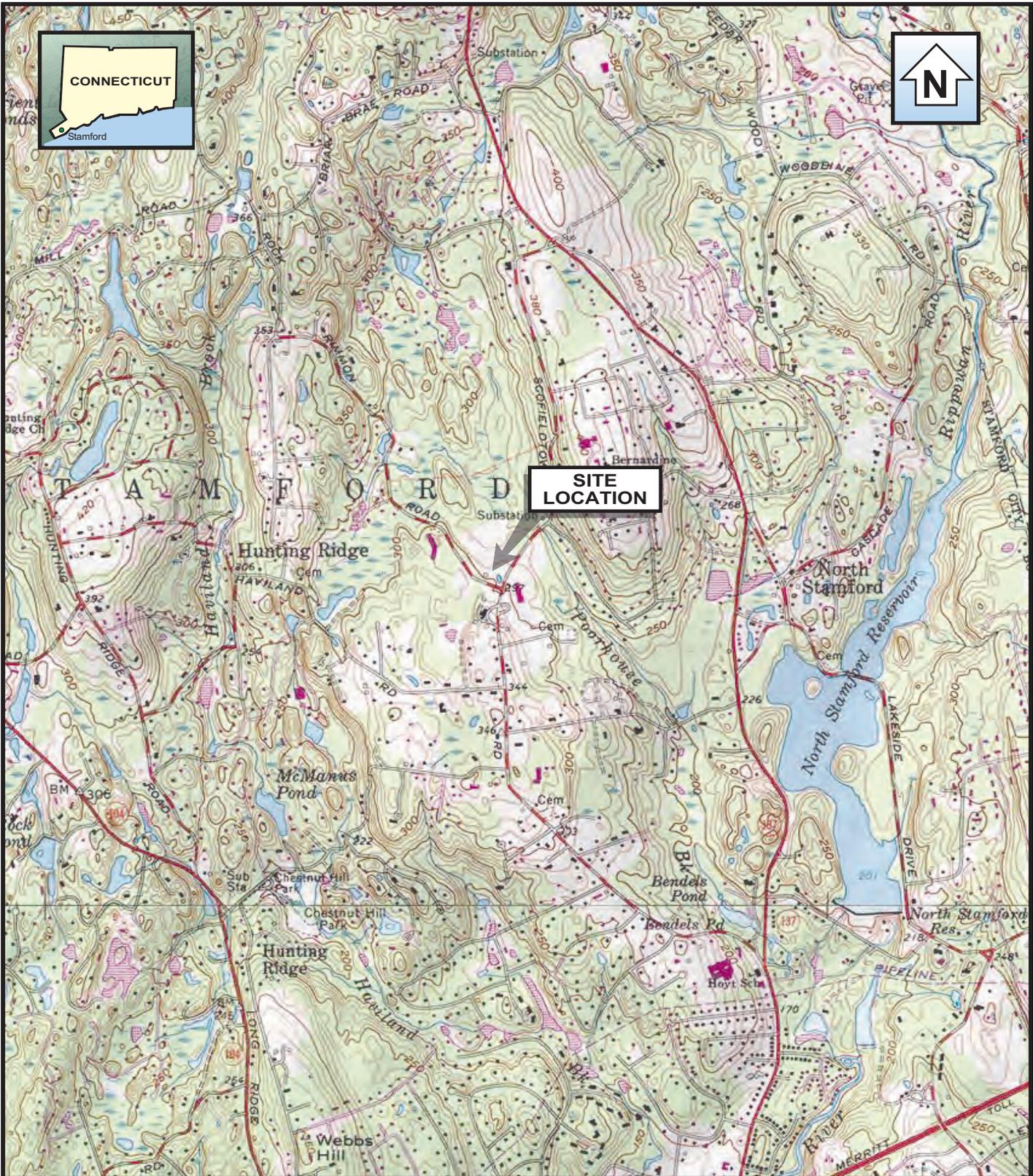
Sample ID: Sample Date: Quarter: Lab Report:	CT Water Quality Standards Aquatic Life Criteria		CT Water Quality Standards Human Health Criteria		SW06-20120516 5/16/2012 Quarter 1 12050419	SW10-20120516 5/16/2012 Quarter 1 12050419	SW-06 8/2012 Quarter 2 12090028	SW-10 8/2012 Quarter 2 12090028	SW07-20120516 5/16/2012 Quarter 1 12050419	SW-07 8/2012 Quarter 2 12090028	SW08-20120516 5/16/2012 Quarter 1 12050419	SW-08 8/2012 Quarter 2 12090028	SW09-20120516 5/16/2012 Quarter 1 12050419	SW-09 8/2012 Quarter 2 12090028
	Analysis/ Analytes	Notes:	Acute	Chronic	Consumption of Fish	Consumption of Fish & Water	Unnamed Brook	Duplicate of SW06	Unnamed Brook	Duplicate of SW06	Poorhouse Brook	Poorhouse Brook	Unnamed Pond	Unnamed Pond
Volatiles Organic Compounds (VOCs)														
Method 8260 (µg/l)														
Chlorobenzene	~	~	1,600	100										
Semi-Volatile Organic Compounds (SVOCs)														
Method 8270 (µg/l)														
Extractable Total Petroleum Hydrocarbons (ETPH)														
CTETPH Method (µg/l)														
~	~	~	~	~										370
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)														
Copper	14.3	4.8	~	1,300										
Iron	~	~	~	~	1,700	1,700	3,400	3,600	1,600	2,200	480	150	280	2,000
Lead	30	1.2	~	15										
Manganese	~	~	~	~	190	190	760	760	190	500	67			380
Potassium	~	~	~	~	3,300	3,700	6,500	6,600	3,400	6,500	3,000	2,700	3,400	12,000
Sodium	~	~	~	~	48,000	49,000	61,000	61,000	47,000	64,000	24,000	31,000	24,000	30,000
Zinc	65	65	26,000	7,400										63
Dissolved Priority Pollutant Metals														
Method 200.8 (µg/l)														
Copper	14.3	4.8	~	1,300										
Iron	~	~	~	~	780	750	260	280	750	200	250		170	120
Lead	30	1.2	~	15										
Manganese	~	~	~	~	120	120	510	500	110	330	29			28
Zinc	65	65	26,000	7,400										
General Chemistry (µg/l)														
Alkalinity, Tot(CaCO3)	~	~	~	~	55,000	60,000	140,000	130,000	60,000	130,000	35,000	37,000	43,000	48,000
Ammonia as N	~	~	~	~			240	230						
Biochemical Oxygen Demand, 5 Day	~	~	~	~									16,000	28,000
Chloride	860,000	230,000	~	~	76,000	76,000	87,000	84,000	75,000	89,000	35,000	59,000	36,000	51,000
Hardness	~	~	~	~	64,000	62,000	11,000	110,000	65,000	110,000	46,000	59,000	45,000	69,000
Nitrate as N	~	~	~	~	290	300	210	210	310	710	600	350	370	
Sulfate	~	~	~	~	8,800	9,200	6,800	7,000	8,900	6,400	10,000	13,000	9,800	10,000
Total Dissolved Solids	~	~	~	~	190,000	210,000	310,000	310,000	180,000	300,000	140,000	200,000	100,000	120,000
Total Suspended Solids	~	~	~	~	12,000	10,000	12,000	6,000	12,000	10,000				290,000

Notes:

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- For water samples underlined values exceed the CT Water Quality Standards Chronic Aquatic Life Criteria for the parameter.
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FIGURES



1:24000

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



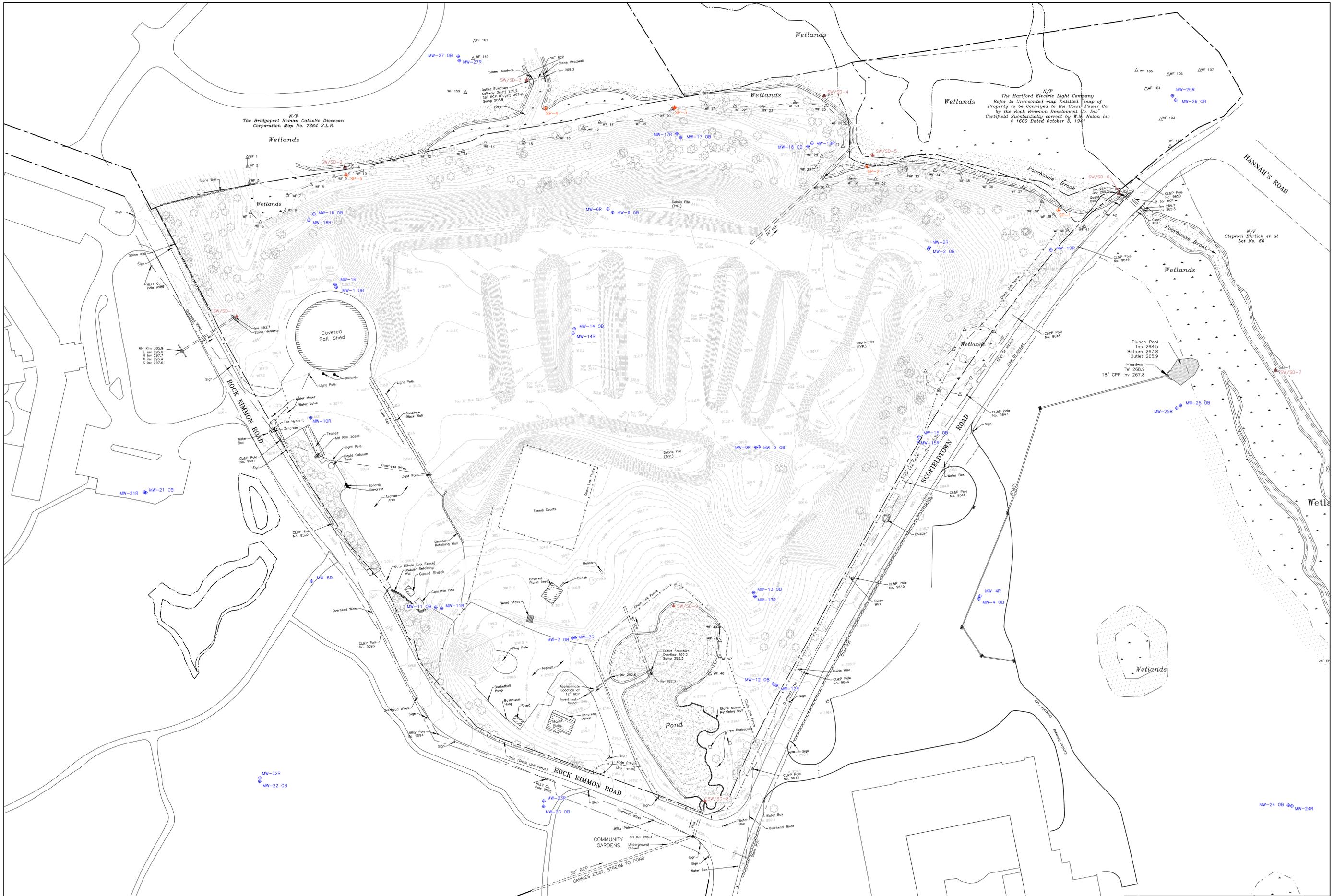
21 Griffin Road North
Windsor, CT 06095
(860) 298-9692

SCOFIELD PARK
STAMFORD, CONNECTICUT

FIGURE 1
SITE LOCATION MAP

Date: 12/09

Project No. 168936.0000.000000

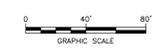


N/P
The Bridgeport Roman Catholic Diocese
Corporation Map No. 7364 S.I.R.

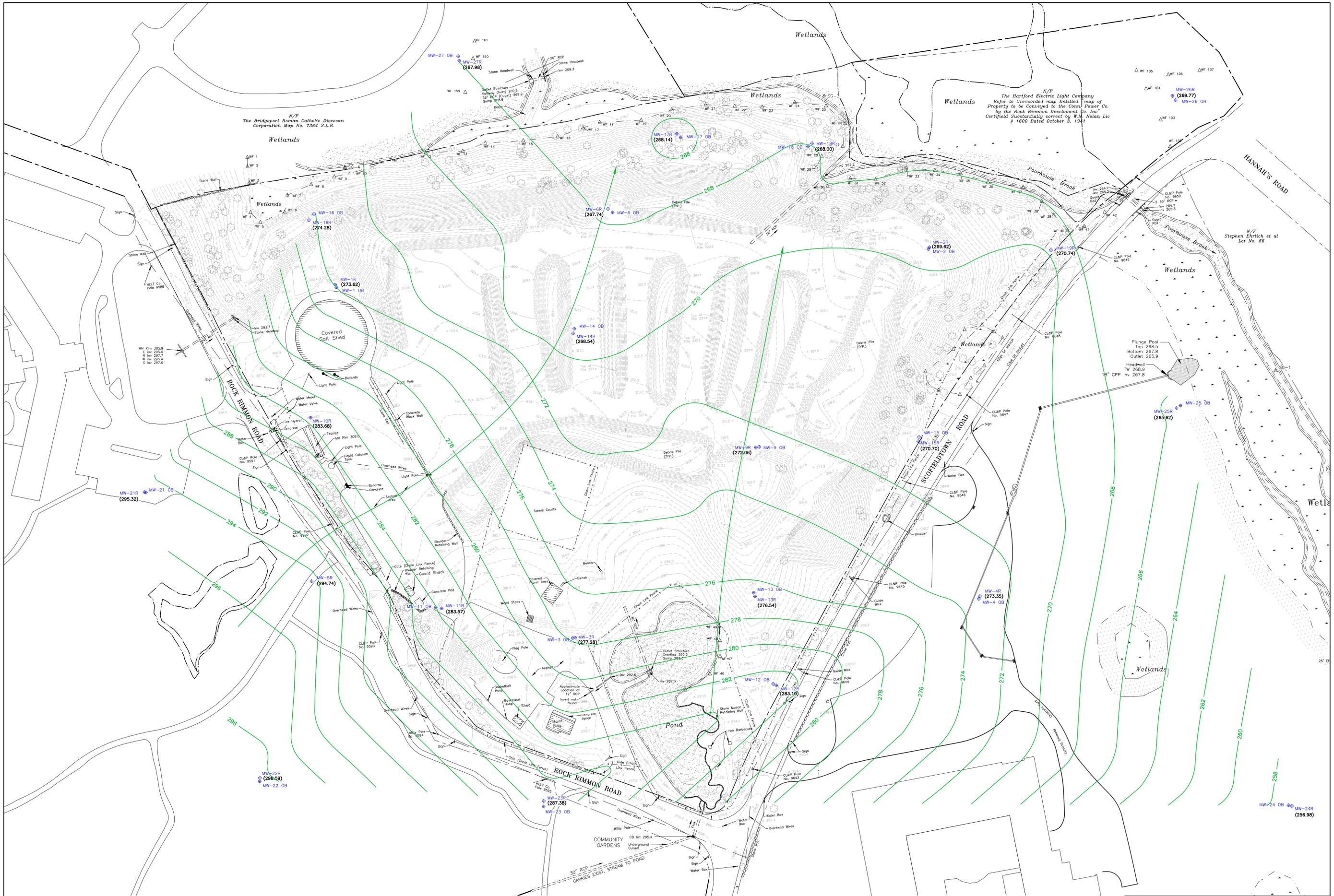
N/P
The Hartford Electric Light Company
Refer to Unrecorded map Entitled "Map of
Property to be Conveyed to the Conn. Power Co.
by the Rock Rimmon Development Co. Inc."
Certified Substantially correct by W.M. Nolan Lic
1600 Dated October 3, 1941

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 12/10/12 DRAWN: KDH 12/10/12 CHECKED: ONS 12/10/12 SCALE: 1"=40' PROJECT: 181277-00007-0000 FIGURE NO.			FIGURE 2



N/P
The Bridgeport Roman Catholic Diocesan
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.

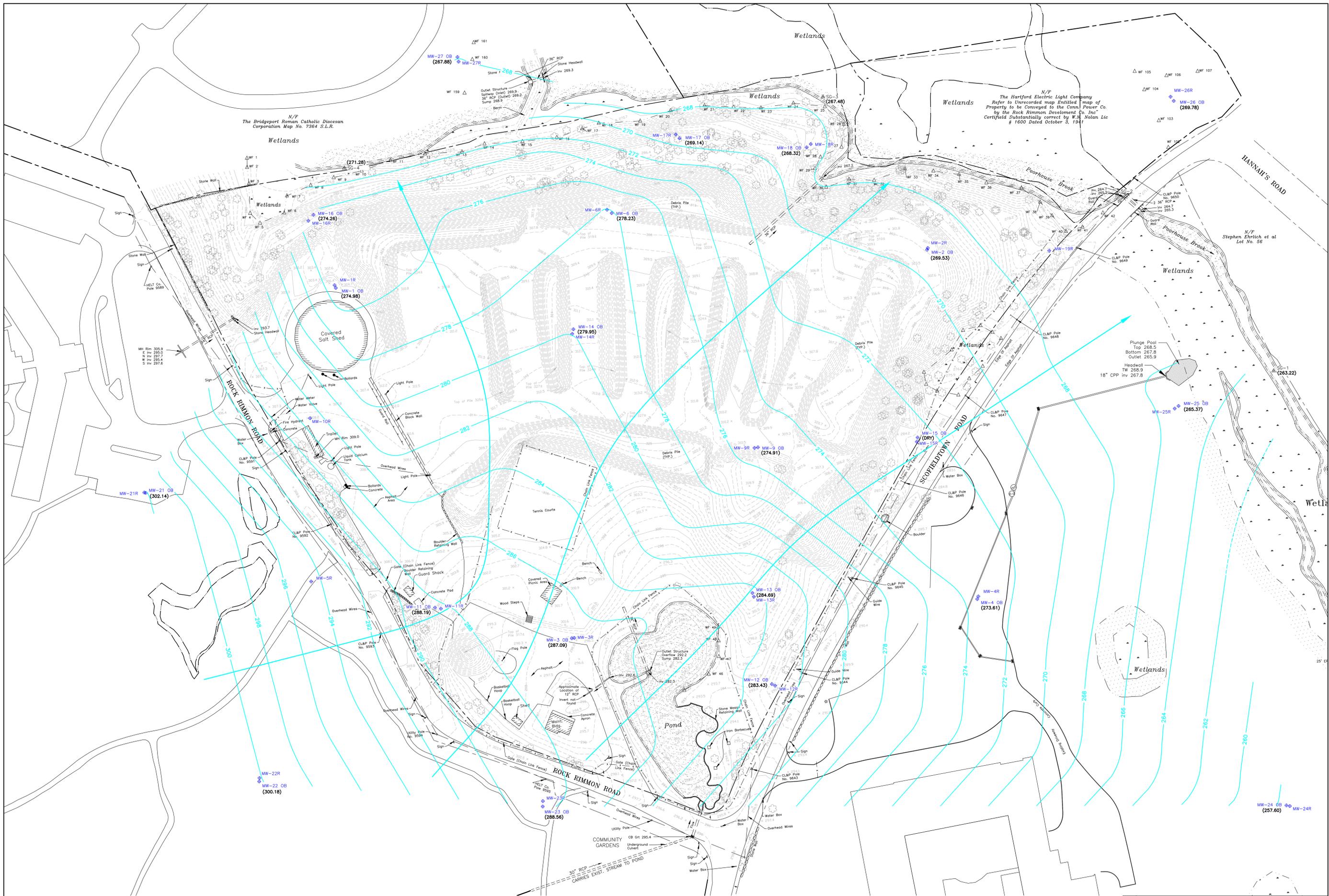
- LEGEND**
- SG-1 STREAM GAUGE
 - MW-1 MONITORING WELLS
 - (280.00) GROUNDWATER ELEVATION IN WELL
IN FEET ON AUGUST 28, 2012
BASED ON NAVD 88 DATUM
 - GROUNDWATER ELEVATION IN WELL
NOT USED
 - 280 GROUNDWATER ELEVATION
CONTOUR IN FEET ON AUGUST 28,
2012 BASED ON NAVD 88 DATUM



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 - AUGUST 28, 2012		

DESIGN: CC	12/11/12
DRAWN: KDH	12/11/12
CHECKED: CWS	12/11/12
SCALE: 1"=40'	
PROJECT: 181277-00007-0000	
FIGURE NO.	FIGURE 3



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

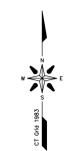
N/P
The Hartford Electric Light Company
Refer to Unrecorded map Entitled "Map of
Property to be Conveyed to the Conn. Power Co.
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Certified Substantially correct by W.M. Nolan Lic
1600 Dated October 3, 1941

N/P
Stephen Ehrlich et al
Lot No. 56

NOTE:
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BROOK AND POORHOUSE BROOK HAVE
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HAVE NOT BEEN INCLUDED IN THE
DEVELOPMENT OF THESE GROUND WATER
FLOW CONTOURS.

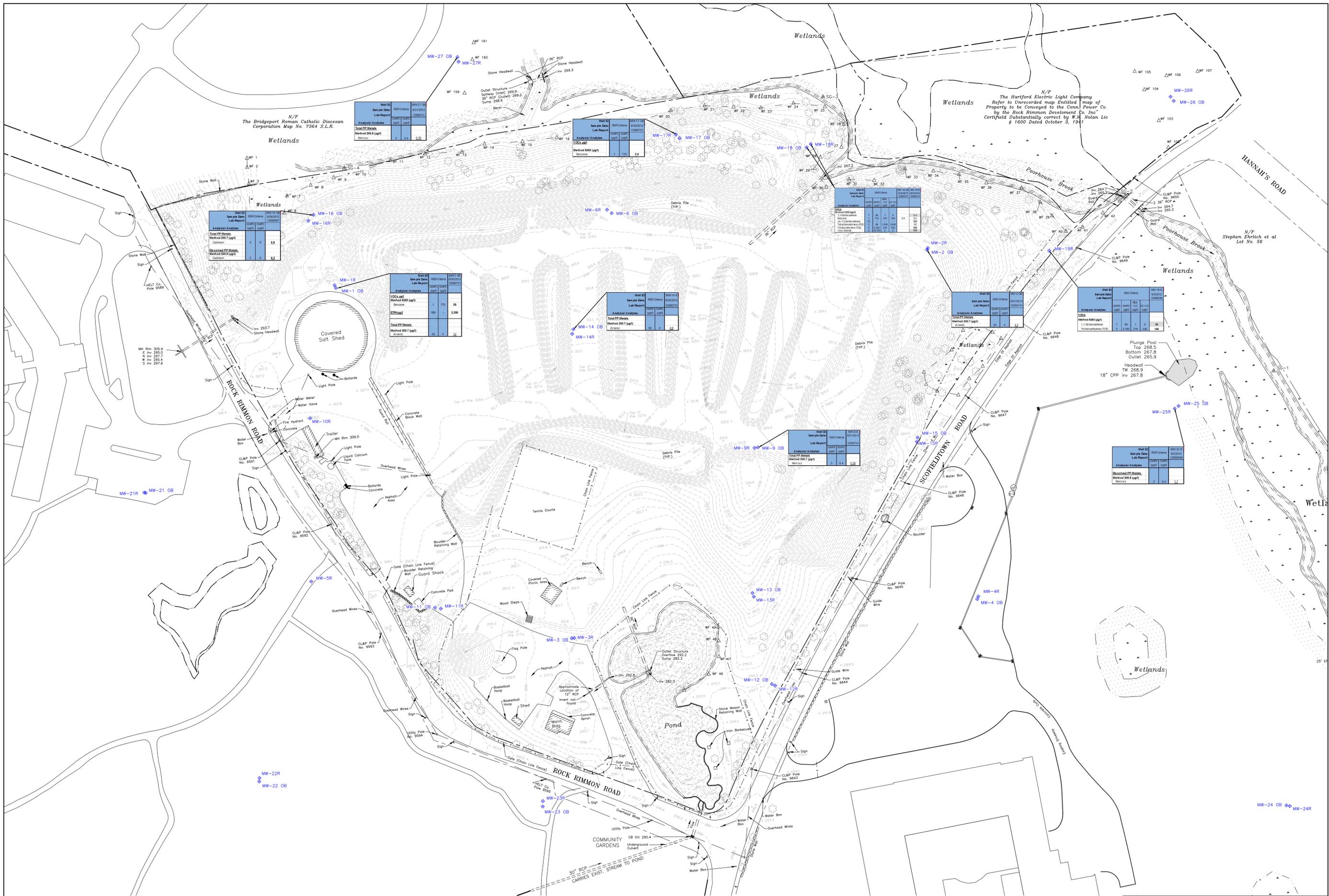
LEGEND

- SG-1 STREAM GAUGE
- MW-1 MONITORING WELLS
- (280.00) GROUNDWATER ELEVATION IN
OVERBURDEN WELL IN FEET ON AUGUST
28, 2012 BASED ON NAVD 88 DATUM
- 280 GROUNDWATER ELEVATION
CONTOUR IN FEET ON AUGUST 28,
2012 BASED ON NAVD 88 DATUM



NO.	REVISIONS	DATE	APPROVAL

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 - AUGUST 28, 2012		
DESIGN: CC 12/10/12 DRAWN: KDH 12/10/12 CHECKED: ONS 12/10/12 SCALE: 1"=40' PROJECT: 181277-00007-0000 FIGURE NO.		FIGURE 4



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

N/P
The Hartford Electric Light Company
Refer to Unrecorded map Entitled "Map of
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Certified Substantially correct by W.M. Nolan Lic
1600 Dated October 3, 1941

N/P
Stephen Ehrlich et al
Lot No. 56

Well ID	Sample Date	Lab Report	RSR Criteria	MW-16R
19027108	05/01/2012	17087741		
Analysis/Analyses				
Total PP Metals	Method 200.7 (ug/l)	0.0	0.2	
Dissolved PP Metals	Method 200.8 (ug/l)	0.0	0.2	
Cadmium				

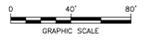
Well ID	Sample Date	Lab Report	RSR Criteria	MW-14R
03020110	03/02/2011	02827274		
Analysis/Analyses				
VOCs (ug/l)	Method 8200 (ug/l)	1.776	3.0	
TPH (ug/l)		0.0	2.000	
Total PP Metals				
Method 200.7 (ug/l)		0.0	0.4	
Arsenic				

Well ID	Sample Date	Lab Report	RSR Criteria	MW-14R
03020110	03/02/2011	02827274		
Analysis/Analyses				
Total PP Metals	Method 200.7 (ug/l)	0.0	0.4	
Arsenic				

Well ID	Sample Date	Lab Report	RSR Criteria	MW-9R
03020110	03/02/2011	02827274		
Analysis/Analyses				
Total PP Metals	Method 200.7 (ug/l)	0.0	0.4	
Arsenic				

Well ID	Sample Date	Lab Report	RSR Criteria	MW-25R
03020110	03/02/2011	02827274		
Analysis/Analyses				
Dissolved PP Metals	Method 200.8 (ug/l)	2.0	0.4	
Mercury				

LEGEND
MW-1



NO.	REVISIONS	DATE	APPROVAL
<p>CITY OF STAMFORD SCOFIELDTOWN PARK LANDFILL STAMFORD, CONNECTICUT</p>			
<p>SECOND QUARTER GROUNDWATER SAMPLE EXCEEDANCES</p>			
<p>FIGURE 5</p>			

2/24/11 9:12 AM R-28-12
11/11/11 10:00 AM R-28-12

