DAMES & MOORE

A DAMES & MOORE GROUP COMPANY

PROPOSED ADDENDUM #1
RFI SCOPE OF WORK

PREPARED FOR:

GE APPARATUS SERVICE CENTER
TONAWANDA, NEW YORK

October 7, 1998

PREPARED BY:

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October 7, 1998

New York State Department
of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203-2999

Attention: Mr. Frank Shattuck, P.E.
Regional Solid and Hazardous
Materials Engineer

RE: Proposed Addendum #1
RFI Scope of Work
GE Apparatus Service Center
Tonawanda, New York

Dear Mr. Shattuck:

1.0 INTRODUCTION

On behalf of General Electric Company (GE), Dames & Moore has developed this addendum to the scope of work for the *RCRA Facility Investigation (RFI) Work Plan (Work Plan),* dated December 4, 1996, for the GE Apparatus Service Center in Tonawanda, New York. As you are aware, GE is currently implementing the RFI program, in accordance with the *RFI Work Plan.* The *Work Plan,* which was developed by ERM-Northeast, Inc., was amended by GE's responses to the New York State Department of Environmental Conservation's (NYSDEC's) comments on the *Work Plan.* The NYSDEC's comments were provided in a letter, dated March 13, 1998. GE's responses were presented in a letter, dated April 28, 1998.

Dames & Moore has developed this addendum to the RFI scope of work based on the results obtained during the field portion of the on-going RFI. Section 2.0 summarizes the results from the RFI completed to date. Section 3.0 presents the objectives of the proposed addendum. Section 4.0 describes the proposed scope of work. The revised schedule is summarized in Section 5.0.

2.0 SUMMARY OF RFI FIELD RESULTS

This section summarizes the results of the relevant portions of the field investigation completed to date. A detailed discussion of these results will be included in the final RFI report.

2.1 Surface Soil and Sediment Sampling Results

During the RFI, Dames & Moore completed the following surface soil and sediment sampling work:

- Collected 26 surface soil samples in the northeast part of the site, near the railroad tracks;
- Field screened the 26 surface soil samples for PCBs using RaPID immunoassay polychlorinated biphenyl (PCB) field screening kits;
- Submitted 11 of the 26 surface soil samples and two duplicate samples for laboratory analysis for PCBs (EPA Method 8082); and
- Collected one sediment sample from the truck bay trench for laboratory analysis for PCBs (EPA Method 8082).

A summary of the surface soil field screening results with RaPID immunoassay PCB kits is presented in Table 1. A summary of the laboratory analytical results for the surface soil and sediment samples is in Table 2. The surface soil sampling locations are shown in Figure 1. The field screening results and the laboratory analytical results for the 26 surface soil samples are provided in Figure 2.

As shown in Table 1, PCBs were detected in 24 of the 26 surface soil samples analyzed by the RaPID immunoassay PCB field screening kits. The concentrations ranged from 0.3 mg/kg to 379.9 mg/kg. The greatest PCB concentration was found in soil sample S-24, which was collected near the northeast corner of the building, immediately north of the railroad tracks.

Eleven surface soil samples were selected for laboratory analysis for PCBs using EPA Method 8082. The concentrations of PCBs in the 11 surface soil samples ranged from 0.1 mg/kg to 75 mg/kg. The greatest PCB concentration (75 mg/kg) detected by the laboratory was found in surface soil sample S-37, which was collected near the southwest corner of the fenced area near the railroad tracks. PCBs were also detected in the sediment sample from the truck bay trench at 240 mg/kg, which suggests that the sediments in this area have been impacted by PCBs.

PCB concentrations exceeding the NYSDEC's Recommended Soil Cleanup Objective (NYSDEC TAGM HWR-4046, January 24, 1994) for PCBs of 1 mg/kg in surface soils were detected at 20 of the 26 surface soil samples locations using the RaPID immunoassay PCB field screening kits and nine of the 11 laboratory analyzed soil samples. PCB concentrations above 1 mg/kg were detected along the northern, eastern and southeastern portion of the fenced area near the railroad tracks. Based on the scope of work completed to date, the extent of PCBs above 1 mg/kg in the surface soils has not been delineated.

2.2 Subsurface Soil Sampling Results

During the RFI, Dames & Moore completed the following subsurface soil sampling work:

- Installed 11 shallow soil borings and three deep soil borings;
- Conducted continuous split-spoon sampling;
- Collected 99 subsurface soil samples;
- Field screened 54 out of the 99 subsurface soil samples for PCBs using RaPID immunoassay PCB field screening kits; and
- Submitted 37 subsurface soil samples for laboratory analysis for PCBs (EPA Method 8082) and 19 soil samples for volatile organic compounds (VOCs) (EPA Method 8021).

The soil boring locations are in Figure 1. The remainder of this section summarizes the analytical results.

PCB Sampling Results

Subsurface soil samples were screened in the field using RaPID immunoassay PCB kits and a Photoionization Detector (PID). The field screening results are in Table 3 (monitoring wells and shallow soil borings) and Table 4 (deep soil borings). The laboratory analytical results are in Table 5 (monitoring wells and shallow soil borings) and Table 6 (deep soil borings). The results are also summarized in Figure 3. Table 7 summarizes the test kit results and the laboratory results for PCBs for all soil samples collected for the on-going RFI.

PCBs were detected in the subsurface soil samples, but at concentrations that did not exceed the NYSDEC's Recommended Soil Cleanup Objective for PCBs of 10 mg/kg in subsurface soils. The exceptions were subsurface soil samples collected from 2 to 4 feet below grade from monitoring well boring MW-2, which was installed near the sewer lines east of the building, and from 4 to 6 feet below grade from monitoring well boring MW-3, which was installed in the former rinse water tank excavation. The PCB concentration in the soil sample collected from 2 to 4 feet below grade from MW-2 was 33 mg/kg (EPA Method 8082). The PCB concentration in the soil sample collected from 4 to 6 feet below grade from MW-3 was 29.23 mg/kg (RaPID kit) and 66 mg/kg (EPA Method 8082).

PCB concentrations in soil samples from the monitoring well boring MW-4, which was installed southwest of the building proximate to where the sewer lines exit the site, ranged from not detected (at depth from 14 to 16 feet below grade) to 5.7 mg/kg (at depth from 8 to 8.5 feet below grade which is believed to be near the base of the sewer trench). This suggests that although some PCBs may have migrated along the sewer lines, no impacts above the NYSDEC's Recommended Soil

Cleanup Objective for PCBs were detected in the soils at the location of MW-4. The areal extent of PCBs in soils along the sewer lines, between monitoring wells MW-2 and MW-4, is not fully defined.

VOC Sampling Results

Selected soil samples collected near the former rinse water tank and the container storage area were analyzed for VOCs using EPA Method 8021. Levels of VOCs were detected at concentrations that were generally less than the NYSDEC's Recommended Soil Cleanup Objectives. The concentrations of chlorobenzene of 34 mg/kg in the soil sample collected from 4 to 6 feet below grade from monitoring well boring MW-3, and 1,1-dichloroethane of 0.008 mg/kg in the duplicate sample of the soil sample collected from 6 to 8 feet below grade from boring B-17, were detected above their respective cleanup objectives. No VOCs were detected in soil samples from monitoring well MW-4, which is near where the sewer lines exit the site, southwest of the GE building.

2.3 Groundwater Sampling Results

During the RFI, Dames & Moore collected groundwater samples from the three newly installed wells (MW-2, MW-3, and MW-4). Prior to sampling, the measured depth to water in these three wells ranged from 6.3 feet in MW-3 to 9.9 feet in MW-4. Based on these gauging data, monitoring well MW-4, which is southwest of the building, is downgradient of wells MW-2 and MW-3.

The three groundwater samples were analyzed for VOCs (EPA Method 8021) and PCBs (EPA Method 8082). The laboratory analytical results for the groundwater samples are in Table 8. Concentrations of both VOCs and PCBs were detected above groundwater standards in the samples from MW-2 (near the sewer lines, east of the building) and from MW-3 (former rinse water tank excavation).

The detected concentrations of VOCs in groundwater from MW-4 (chloroform and methylene chloride) were less than groundwater standards. PCBs were not detected in the groundwater sample from MW-4.

3.0 OBJECTIVES

The objectives of the addendum scope of work are to:

- Further evaluate the extent of PCBs in the surface soils near the railroad tracks;
- Further evaluate the extent of PCBs and VOCs in the soils and groundwater near the former rinse water tank;
- Further evaluate the extent of PCBs and VOCs along the sewer lines, between the locations of MW-2/MW-3 and MW-4 (near where the sewer lines exit the site); and
- Evaluate whether there may be an active source of PCBs in the sediments in the truck bay trench.

4.0 RFI ADDENDUM SCOPE OF WORK

For the RFI addendum, Dames & Moore proposes these five tasks:

TASK 1 - Collect Additional Surface Soil Samples

TASK 2 - Install Additional Soil Borings and Monitoring Wells near the Former Rinse Water Tank

TASK 3 - Monitor Groundwater

TASK 4 - Install Additional Soil Borings Along the Sewer Lines

TASK 5 - Evaluate Truck Bay Trench

The results from these five tasks will be evaluated and included in the final RFI report. The remainder of this section describes these five tasks.

4.1 TASK 1 - Collect Additional Surface Soil Samples

Based on the surface soil sampling results available to date, the extent of soils containing PCBs above 1 mg/kg, which is the NYSDEC's Recommended Soil Cleanup Objective for PCBs in surface soils, has not been defined. Dames & Moore will collect an additional 10 to 15 surface soil samples in the general areas annotated in Figure 4. We anticipate that GE will assist Dames & Moore in obtaining permission from the owners of the adjacent properties (if applicable) to collect surface soil samples off-site.

Each soil sample will be screened in the field using a RaPID immunoassay PCB field screening kit. Based on the field screening results, we anticipate that up to five samples will be sent to the laboratory for confirmatory analysis for PCBs (EPA Method 8082). The laboratory quality assurance/quality control (QA/QC) procedures will be as specified in the *RFI Work Plan.*

4.2 TASK 2 - Install Additional Soil Borings and Monitoring Wells near the Former Rinse Water Tank

Based on the soil boring results, the extent of subsurface soils near the former rinse water tank that contain PCBs above the NYSDEC's recommended soil cleanup objective for PCBs of 10 mg/kg in subsurface soils has not been defined. Dames & Moore will install up to five additional soil borings around the former rinse water tank excavation to further define the extent of PCB-contaminated soils. The proposed additional soil boring locations are shown in Figure 4.

Dames & Moore anticipates that the total depth of each boring will be between 10 and 15 feet. Continuous split spoon samples will be collected from each boring, and the samples will be screened using RaPID immunoassay PCB field screening kits. The borings will be advanced until the field screening data no longer indicates the presence of PCBs. Based on the field screening results, we anticipate that up to five samples will be sent to the laboratory for confirmatory analysis for PCBs (EPA Method 8082). The laboratory QA/QC procedures will be as specified in the *RFI Work Plan.*

Up to three additional monitoring wells will be installed at selected soil borings locations to further evaluate the groundwater conditions outside of the former rinse water tank excavation. These wells will be constructed of two-inch diameter PVC screen and riser and will be developed using the procedures specified in the *RFI Work Plan.* Furthermore, the locations, ground elevations, and top-of-casing elevations (where applicable) of the new soil borings and wells will be surveyed and annotated on the site map.

4.3 TASK 3 - Monitor Groundwater

Approximately one week after the installation and development of the three new wells, the three new wells and three previously installed wells will be gauged to obtain water level elevations. Following the gauging event, the six wells will be purged of three to five volumes of water (or purged dry) to allow for collection of representative groundwater samples. The groundwater samples will be collected and handled in accordance with the procedures specified in the *RFI Work Plan.* The samples will be analyzed for VOCs (EPA Method 8021) and PCBs (EPA Method 8082). The laboratory QA/QC procedures will be as specified in the *RFI Work Plan.*

4.4 TASK 4 - Install Additional Soil Borings Along the Sewer Lines

Based on the results from the soil samples collected along the sewer lines, the extent of PCBs between the eastern end of the building and monitoring well MW-4 is not known. Dames & Moore

will install up to four additional soil borings to further define the extent of PCB-contaminated soils along the sewer lines. The proposed additional soil boring locations are shown in Figure 4.

The anticipated total depths for each boring will be between 10 and 15 feet. Continuous split spoon samples will be collected from each boring, and the samples will be screened using RaPID immunoassay PCB field screening kits. The borings will be advanced until the field screening data no longer indicates the presence of PCBs. Based on the field screening results, we anticipate that up to five samples will be sent to the laboratory for confirmatory analysis for PCBs (EPA Method 8082). The laboratory QA/QC procedures will be as specified in the *RFI Work Plan.*

4.5 TASK 5 - Evaluate Truck Bay Trench

PCBs were detected in the sediment samples collected from the former truck bay trench. The source of the PCBs is uncertain. Dames & Moore will review the current operations near the truck bay trench to evaluate whether there is an active source of PCBs in the trench. Additionally, we will collect one sediment sample from the sump located in the truck-bay, and analyze this sample for PCBs (EPA Method 8082). According to GE personnel, this sump is not connected to the sewer system, and its contents are periodically pumped out for off-site disposal.

Furthermore, we will review the locations of all subsurface utilities near the trench. Finally, we will estimate the volume of sediment in the trench and evaluate the cleanup and disposal costs for these sediments.

5.0 REVISED SCHEDULE

Dames & Moore will initiate the activities related to the implementation of this addendum within two weeks from receipt of the NYSDEC's approval of this addendum. We have estimated that the implementation of the addendum, including the laboratory analyses, will take approximately six weeks. The revised project timeline is shown in Figure 5.

oOo

GE and Dames & Moore appreciate the NYSDEC's assistance with this project. If you have any questions or comments, please call us.

Very truly yours,

DAMES & MOORE

Eiko Fujita for
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Project Manager

Scott Sklenar/OP
Scott Sklenar, P.G.
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TABLE 1

SUMMARY OF FIELD SCREENING RESULTS
IMMUNOASSAY TEST KIT
SURFACE SOIL SAMPLES

GE - Tonawanda, NY
RFI Program

Soil Sample	Total PCBs (mg/kg)
S-20	0.4
S-21	7.0
S-22	226.9
S-23	17.6
S-24	379.9
S-25	10.0
S-26	23.5
S-27	54.4
S-28	0.4
S-29	4.1
S-30	2.1
S-31	2.9
S-32	14.7
S-33	2.1
S-34	1.5
S-35	34.3
S-36	32.4
S-37	89.7
S-38	23.5
S-39	0.3
S-40	0.9
S-41	ND
S-42	6.2
S-43	ND
S-44	4.7
S-45	1.2

Note: table summarizes the field test screening results of surface soils using a "RaPid Assay" immunoassay PCB field test kit

ND = Not detected (at detection limit of <0.25 mg/kg)

TABLE 2

LABORATORY ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS
SURFACE SOIL AND SEDIMENT SAMPLES

GE - Tonawanda, NY
RFI Program

PCB Aroclor	Units	RCSB[A]	SED2	S-20	S-22	DUP4-PCB (S-22)	S-24	DUP5-PCB (S-24)	S-27
PCBs SW846 8082									
Aroclor 1254	mg/kg	1.0	240.0	ND(<0.019	7.8	6.5	ND(<4.0)	ND(<20.0)	2.8
Aroclor 1260	mg/kg	1.0	ND(<23.0)	0.069	ND(<1.8)	ND(<1.8)	42.0	60.0	11.0
TOTAL PCBs:	mg/kg	1.0	240.0	0.069	7.8	6.5	42.0	60.0	13.8

PCB Aroclor	Units	RCSB[A]	S-28	S-35	S-37	S-39	S-40	S-42	S-44
PCBs SW846 8082									
Aroclor 1254	mg/kg	1.0	0.54	2.3	19	0.0	0.47	ND(<0.21)	ND(<0.20)
Aroclor 1260	mg/kg	1.0	0.7	6.5	56	0.0	1.4	3.1	0.52
TOTAL PCBs:	mg/kg	1.0	1.2	8.800	75.0	0.1	1.9	3.1	0.5

ND(<5.0) = Not detected above specified detection limit
A Recommended Soil Cleanup Objective from NYSDEC *TAGM HWR-4046, Determination of Soil Cleanup Objectives and Cleanup Levels*, January 24, 1994

TABLE 3

SUMMARY OF FIELD SCREENING RESULTS
IMMUNOASSAY TEST KIT AND PID SCREENING
MONITORING WELL AND SHALLOW SOIL BORINGS

GE - Tonawanda, NY
RFI Program

Depth (feet)	MW-2		MW-3		MW-4		B-13		B-14		B-15		B-16	
	PCBs (mg/kg)	PID (ppm)	PCBs (mg/kg)	PID (ppm)	PCBs (mg/kg)	PID (ppm)	PCBs (mg/kg)	PID (ppm)	PCBs (mg/kg)	PID (ppm)	PCBs (mg/kg)	PID (ppm)	PCBs (mg/kg)	PID (ppm)
0-2'	NA	BKG	NA	15.0	NA	BKG	0.79	4.0	ND	50	ND	20	ND	4.5
2-4'	NA	BKG	NA	BKG	NA	BKG	1.04	9.5	ND	10	ND	24	ND	4.5
4-6'	NA	NR	29.23	14.6	NA	BKG	--		--		--		0.22	40.0
6-8'	NA	BKG	NA	17.0	5.7	8.0	--		--		--		0.68	25.0
8-10'	--		NA	4.0	NA	6.0	--		--		--		0.17	20.0
10-12'	--		0.83	3.0	ND	BKG	--		--		--		--	
12-14'	--		--		NA	BKG	--		--		--		--	
14-16'	--		--		ND	12.0	--		--		--		--	

NA = Not Analyzed using immunoassay test kit

-- = boring not advanced to that depth

BKG = PID reading below site background level of 0.2 ppm

NR = No PID reading obtained

ND = No PCBs detected during immunoassay analysis (at detection limit of 0.25 mg/kg)

TABLE 3

SUMMARY OF FIELD SCREENING RESULTS
IMMUNOASSAY TEST KIT AND PID SCREENING
MONITORING WELL AND SHALLOW SOIL BORINGS

GE - Tonawanda, NY
RFI Program

Depth (feet)	B-17 PCBs (mg/kg)	B-17 PID (ppm)	B-18 PCBs (mg/kg)	B-18 PID (ppm)	B-19 PCBs (mg/kg)	B-19 PID (ppm)	B-20 PCBs (mg/kg)	B-20 PID (ppm)	B-21 PCBs (mg/kg)	B-21 PID (ppm)	B-22 PCBs (mg/kg)	B-22 PID (ppm)	B-23 PCBs (mg/kg)	B-23 PID (ppm)
0-2'	NA	NR	ND	4.0	0.17	10.0	ND	0.5	ND	BKG	ND	19.0	2.37	3.0
2-4'	ND	6.4	0.42	BKG	0.65	5.0	ND	4.5	ND	3.1	NA	NA	0.86	4
4-6'	0.17	40.0	ND	24.0	ND	11.0	--		--		NA	NA	0.58	40
6-8'	ND	44.0	ND	54.0	ND	4.0	--		--		--		ND	14
8-10'	ND	25.0	ND	8.0	ND	32.0	--		--		--		--	
10-12'	--		--		--		--		--		--		--	
12-14'	--		--		--		--		--		--		--	
14-16'	--		--		--		--		--		--		--	

NA = Not Analyzed using immunoassay test kit

-- = boring not advanced to that depth

BKG = PID reading below site background level of 0.2 ppm

NR = No PID reading obtained

ND = No PCBs detected during immunoassay analysis (at detection limit of 0.25 mg/kg)

TABLE 4

SUMMARY OF FIELD SCREENING RESULTS
IMMUNOASSAY TEST KIT AND PID SCREENING
DEEP SOIL BORINGS

GE - Tonawanda, NY
RFI Program

Depth	DB-1		DB-2		DB-3	
(feet)	PCBs (mg/kg)	PID (ppm)	PCBs (mg/kg)	PID (ppm)	PCBs (mg/kg)	PID (ppm)
0-2'	0.013	BKG	0.038	BKG	ND	BKG
2-4'	NA	BKG	NA	BKG	NA	BKG
4-6'	NA	BKG	0.076	BKG	NA	4.0
6-8'	0.46	BKG	NA	BKG	NA	4.0
8-10'	NA	BKG	0.051	BKG	ND	16.0
10-12'	ND	BKG	NA	BKG	NA	16.5
12-14'	NA	BKG	NA	BKG	NA	8.0
14-16'	NA	BKG	NA	BKG	ND	8.0
16-18'	ND	BKG	NA	BKG	NA	3.0
18-20'	NA	BKG	NA	BKG	ND	2.0
20-22'	NA	NR	NA	NR	NA	NR
22-24'	0.35	BKG	0.18	BKG	NA	0.9
24-26'	NA	BKG	NA	BKG	ND	4.0
26-28'	NA	BKG	NA	BKG	NA	3.5
28-30'	ND	BKG	0.25	BKG	ND	7.0

NA = Not Analyzed using immunoassay test kit

-- = boring not advanced to that depth

BKG = PID reading below site background level of 0.2 ppm

NR = No PID reading obtained

ND = No PCBs detected during immunoassay analysis (at detection limit of 0.25 mg/kg)

TABLE 5

LABORATORY ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS
MONITORING WELLS AND SHALLOW SOIL BORINGS

GE - Tonawanda, NY
RFI PROGRAM

Compound	Units	Soil Action Level[A]	MW-2 (2-4')	MW-2 (4-6')	MW-3 (4-6')	MW-3 (10-11')	A5 [MW-3] (10-12')	MW-4 (8-8.5')	MW-4 (10-11')	MW-4 (14-16')	B-13 (0-2')
Volatile Organic Compounds - SW-846 8021											
Chlorobenzene	ug/kg	2,000	ND(<2.5)	ND(<2.4)	34,000	33	ND(<2.3)	ND(<2.4)	ND(<2.3)	ND(<2.4)	NA
1,2-dichlorobenzene	ug/kg	NS	ND(<2.5)	ND(<2.4)	ND(<620)	2.7	ND(<2.3)	ND(<2.4)	ND(<2.3)	ND(<2.4)	NA
1,3-dichlorobenzene	ug/kg	NS	ND(<2.5)	31	ND(<620)	69	ND(<2.3)	ND(<2.4)	ND(<2.3)	ND(<2.4)	NA
1,4-dichlorobenzene	ug/kg	NS	ND(<2.5)	24	780	31	ND(<2.3)	ND(<2.4)	ND(<2.3)	ND(<2.4)	NA
1,1-dichloroethane	ug/kg	7.7	ND(<1.2)	ND(<1.2)	ND(<310)	ND(<1.1)	ND(<1.1)	ND(<1.2)	ND(<1.0)	ND(<1.2)	NA
m-, p-xylenes	ug/kg	200,000	ND(<1.2)	1.2	ND(<310)	1.2	ND(<1.1)	ND(<1.2)	ND(<1.0)	ND(<1.2)	NA
o-Xylene	ug/kg	200,000	ND(<1.2)	ND(<1.2)	ND(<310)	ND(<1.1)	ND(<1.1)	ND(<1.2)	ND(<1.0)	ND(<1.2)	NA
PCBs SW846 8082											
Aroclor 1248	mg/kg	10[B]	ND(<2.1)	ND(<2.0)	ND(<21)	ND(<.19)	ND(<.019)	ND(<2.1)	ND(<.02)	ND(<.02)	ND(<.2)
Aroclor 1254	mg/kg	10[B]	ND(<2.1)	ND(<2.0)	ND(<21)	0.89	0.95	ND(<2.1)	ND(<.02)	ND(<.02)	1.3
Aroclor 1260	mg/kg	10[B]	33.0	2.2	66.0	2.1	3.0	5.7	0.028	ND(<.02)	3.4
TOTAL PCBs:	mg/kg	10[B]	33.0	2.2	66.0	2.99	3.95	5.7	0.028	ND(<.02)	4.7

NA = Not Analyzed

ND(<5.0) = Not detected above specified detection limit

A From Health Based Criteria For Systems Tox. (Table 8-7, RFI Guidance Doc. Vol 1)

B NYSDEC TAGM HWR-4046, Determination of Soil Cleanup Objectives and Cleanup Levels, January 24, 1994

TABLE 5

LABORATORY ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS
MONITORING WELLS AND SHALLOW SOIL BORINGS

GE - Tonawanda, NY
RFI PROGRAM

Compound	Units	Soil Action Level[A]	B-13 (2')	B-13 (4')	B-14 (0-2')	B-14 (2')	B-14 (4')	B-15 (0-2')	B-15 (2')	B-15 (4')	B-16 (4-6')
Volatile Organic Compounds - SW-846 8021											
Chlorobenzene	ug/kg	2,000	NA	NA	NA	NA	NA	NA	NA	NA	ND(<2.3)
1,2-dichlorobenzene	ug/kg	NS	NA	NA	NA	NA	NA	NA	NA	NA	ND(<2.3)
1,3-dichlorobenzene	ug/kg	NS	NA	NA	NA	NA	NA	NA	NA	NA	ND(<2.3)
1,4-dichlorobenzene	ug/kg	NS	NA	NA	NA	NA	NA	NA	NA	NA	ND(<2.3)
1,1-dichloroethane	ug/kg	7.7	NA	NA	NA	NA	NA	NA	NA	NA	ND(<1.1)
m-, p-xylenes	ug/kg	200,000	NA	NA	NA	NA	NA	NA	NA	NA	ND(<1.1)
o-Xylene	ug/kg	200,000	NA	NA	NA	NA	NA	NA	NA	NA	ND(<1.1)
PCBs SW846 8082											
Aroclor 1248	mg/kg	10[B]	ND(<.19)	ND(<.19)	ND(<.021)	ND(<.021)	ND(<.021)	ND(<.2)	ND<.02	ND(<.021)	NA
Aroclor 1254	mg/kg	10[B]	0.85	0.87	ND(<.021)	0.026	ND(<.021)	ND(<.2)	ND<.02	ND(<.021)	NA
Aroclor 1260	mg/kg	10[B]	1.9	1.4	0.089	ND(<.021)	ND(<.021)	1.2	ND<.02	ND(<.021)	NA
TOTAL PCBs:	mg/kg	10[B]	2.75	2.27	0.089	0.026	ND(<.021)	1.2	ND<.02	ND(<.021)	NA

NA = Not Analyzed

ND(<5.0) = Not detected above specified detection limit

A From Health Based Criteria For Systems Tox. (Table 8-7, RFI Guidance Doc. Vol 1)

B NYSDEC TAGM HWR-4046, Determination of Soil Cleanup Objectives and Cleanup Levels, January 24, 1994

TABLE 5

LABORATORY ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS
MONITORING WELLS AND SHALLOW SOIL BORINGS

GE - Tonawanda, NY
RFI PROGRAM

Compound	Units	Soil Action Level[A]	B-16 (8-10')	B-17 (4-6')	B-17 (6-8')	DUP1 VOC	B-18 (2-4')	B-18 (6-8')	B-19 (2-4')	B-19 (8-10')	B-20 (0-2')
Volatile Organic Compounds - SW-846 8021											
Chlorobenzene	ug/kg	2,000	NA	NA	ND(<2.3)	ND(<2.3)	NA	NA	NA	ND(<2.3)	NA
1,2-dichlorobenzene	ug/kg	NS	NA	NA	ND(<2.3)	ND(<2.3)	NA	NA	NA	ND(<2.3)	NA
1,3-dichlorobenzene	ug/kg	NS	NA	NA	ND(<2.3)	ND(<2.3)	NA	NA	NA	ND(<2.3)	NA
1,4-dichlorobenzene	ug/kg	NS	NA	NA	ND(<2.3)	ND(<2.3)	NA	NA	NA	ND(<2.3)	NA
1,1-dichloroethane	ug/kg	7.7	NA	NA	5.9	8.3	NA	NA	NA	ND(<1.2)	NA
m-, p-xylenes	ug/kg	200,000	NA	NA	ND(<1.1)	ND(<1.1)	NA	NA	NA	ND(<1.2)	NA
o-Xylene	ug/kg	200,000	NA	NA	ND(<1.1)	ND(<1.1)	NA	NA	NA	ND(<1.2)	NA
PCBs SW846 8082											
Aroclor 1248	mg/kg	10[B]	ND(<.019)	ND(<.02)	NA	NA	ND(<.021)	ND(<.02)	0.21	NA	ND(<.02)
Aroclor 1254	mg/kg	10[B]	ND(<.019)	ND(<.02)	NA	NA	ND(<.021)	ND(<.02)	ND(<.044)	NA	0.028
Aroclor 1260	mg/kg	10[B]	ND(<.019)	0.1	NA	NA	0.28	ND(<.02)	0.55	NA	0.058
TOTAL PCBs:	mg/kg	10[B]	ND(<.019)	0.1	NA	NA	0.28	ND(<.02)	0.76	NA	0.086

NA = Not Analyzed

ND(<5.0) = Not detected above specified detection limit

A From Health Based Criteria For Systems Tox. (Table 8-7, RFI Guidance Doc. Vol 1)

B NYSDEC TAGM HWR-4046, Determination of Soil Cleanup Objectives and Cleanup Levels, January 24, 1994

TABLE 5

LABORATORY ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS
MONITORING WELLS AND SHALLOW SOIL BORINGS

GE - Tonawanda, NY
RFI PROGRAM

Compound	Units	Soil Action Level[A]	B-20 (2-4')	B-21 (0-2')	B-21 (2')	B-22 (0-2')	B-22 (4-6')	B-23 (2')	B-23 (4')	B-23 (6')	B-23 (8')
Volatile Organic Compounds - SW-846 8021											
Chlorobenzene	ug/kg	2,000	NA	NA	NA	NA	NA	NA	NA	ND(<.023)	NA
1,2-dichlorobenzene	ug/kg	NS	NA	NA	NA	NA	NA	NA	NA	ND(<.023)	NA
1,3-dichlorobenzene	ug/kg	NS	NA	NA	NA	NA	NA	NA	NA	ND(<.023)	NA
1,4-dichlorobenzene	ug/kg	NS	NA	NA	NA	NA	NA	NA	NA	ND(<.023)	NA
1,1-dichloroethane	ug/kg	7.7	NA	NA	NA	NA	NA	NA	NA	ND(<.011)	NA
m-, p-xylenes	ug/kg	200,000	NA	NA	NA	NA	NA	NA	NA	ND(<.011)	NA
o-Xylene	ug/kg	200,000	NA	NA	NA	NA	NA	NA	NA	ND(<.011)	NA
PCBs SW846 8082											
Aroclor 1248	mg/kg	10[B]	ND(<.02)	ND(<.02)	ND(<.02)	ND(<.018)	ND(<.019)	ND(<.2)	ND(<.21)	ND(<.02)	ND(<.02)
Aroclor 1254	mg/kg	10[B]	0.027	0.03	0.65	ND(<.018)	ND(<.019)	ND(<.2)	ND(<.21)	ND(<.02)	ND(<.02)
Aroclor 1260	mg/kg	10[B]	ND(<.02)	0.17	1.8	ND(<.018)	0.16	3.1	2.0	ND(<.02)	ND(<.02)
TOTAL PCBs:	mg/kg	10[B]	0.027	0.2	2.45	ND(<.018)	0.16	3.1	2.0	ND(<.02)	ND(<.02)

NA = Not Analyzed

ND(<5.0) = Not detected above specified detection limit

A From Health Based Criteria For Systems Tox. (Table 8-7, RFI Guidance Doc. Vol 1)

B NYSDEC TAGM HWR-4046, Determination of Soil Cleanup Objectives and Cleanup Levels, January 24, 1994

TABLE 6

LABORATORY ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS
DEEP SOIL BORINGS

GE - Tonawanda, NY
RFI PROGRAM

Analyte	Units	DB-1 (6-8')	DB-1 (22-24')	DB-2 (4-6')	DUP-TOC (DB-2: 28-30')	DB-2 (28-30')	DB-3 (8-10')	DB-3 (28-30')
pH	su	7.98	7.99	8.26	NA	8.16	8.00	8.17
TOC	mg/kg	3,150	3,480	784	4,290	458	2,610	1,480
Volatile Organic Compounds SW-846 8021		Not Detected	Not Detected	Not Detected	NA	Not Detected	Not Detected	Not Detected
PCBs SW846 8082		Not Detected	Not Detected	Not Detected	NA	Not Detected	Not Detected	Not Detected

NA - Not Analyzed

TABLE 7

TEST KIT VERSUS LABORATORY ANALYTICAL RESULTS
SOIL SAMPLES

GE - Tonawanda, NY
RFI Program

Sample Number	Test Kit Total PCBs (mg/kg)	Lab Total PCBs (mg/kg)
MW-3 (4-6')	29.23	66.0
MW-3 (10-11')	0.83	2.99
MW-4 (10-11')	ND	5.70
MW-4 (14-16')	ND	0.28
A5 [MW-3] (10-12')	0.18	3.95
B-13 (0-2')	1.04	ND(<.02)
B-14 (2')	ND	0.03
B-14 (4')	ND	ND(<.021)
B-15 (0-2')	ND	1.20
B-15 (2')	ND	ND(<.02)
B-18 (6-8')	ND	ND(<.02)
B-20 (0-2')	ND	0.09
B-20 (2-4')	ND	0.03
B-21 (0-2')	ND	0.20
B-21 (2')	ND	2.45
B-23 (2')	2.37	3.10
B-23 (4')	0.86	2.00
B-23 (6')	0.58	ND(<.02)
B-23 (8')	ND	ND(<.02)
DB-1 (6-8')	0.46	ND(<.019)
DB-1 (22-24')	0.35	ND(<.021)
DB-2 (4-6')	0.076	ND(<.020)
DB-2 (28-30')	0.25	ND(<.021)
DB-3 (8-10')	ND	ND(<.020)
DB-3 (28-30')	ND	ND(<.019)
S-20	0.4	0.069
S-22	226.9	7.8
S-24	379.9	42.0
S-27	54.4	13.8
S-28	0.4	1.2
S-35	34.3	8.8
S-37	89.7	75.0
S-39	0.3	0.1
S-40	0.9	1.9
S-42	6.2	3.1
S-44	4.7	0.52

TABLE 8

LABORATORY ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS
WATER SAMPLES

GE - Tonawanda, NY
RFI PROGRAM

Compound	Units	NYS Water Standard[A]	MW-2	MW-3	DUP1GW (MW-3)	MW-4	SEW-1	EQB-1	EQB-2	TRIP BLANK (7/13/98)	EQB-3
Volatile Organic Compounds - SW-846 8021											
Benzene	ug/l	ND[B](5)[C]	ND(<1.0)	11	11	ND(<1.0)	ND(<1.0)	ND(<1.0)	NA	ND(<1.0)	ND(<1.0)
Bromodichloromethane	ug/l	50	ND(<0.5)	ND(<2.5)	ND(<2.5)	ND(<0.5)	0.68	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)
Chlolrobenzene	ug/l	20	ND(<1.0)	540	540	ND(<1.0)	ND(<1.0)	ND(<1.0)	NA	ND(<1.0)	ND(<1.0)
Chloroform	ug/l	100	1.9	ND(<2.5)	ND(<2.5)	1.9	1.3	2.0	NA	ND(<0.5)	1.7
1,3-dichlorobenzene	ug/l	NS[D](5)[C]	6.5	29	28	ND(<1.0)	ND(<1.0)	ND(<1.0)	NA	ND(<1.0)	ND(<1.0)
1,4-dichlorobenzene	ug/l	4.7	6.2	46	43	ND(<1.0)	ND(<1.0)	ND(<1.0)	NA	ND(<1.0)	ND(<1.0)
1,1-dichloroethane	ug/l	50	4.2	ND(<2.5)	ND(<2.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)
1,1-dichloroethene	ug/l	0.07	6.4	ND(<2.5)	ND(<2.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)
cis-1,2-Dichloroethene	ug/l	5	0.61	ND(<2.5)	ND(<2.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)
Ethylbenzene	ug/l	5	1.6	ND(<5.0)	ND(<5.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	NA	ND(<1.0)	ND(<1.0)
Methylene chloride	ug/l	5	0.91	ND(<2.5)	ND(<2.5)	0.56	ND(<0.5)	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)
Toluene	ug/l	5	1.2	ND(<5.0)	ND(<5.0)	ND(<1.0)	ND(<1.0)	ND(<1.0)	NA	ND(<1.0)	ND(<1.0)
1,1,1-trichloroethane	ug/l	50	3.3	ND(<2.5)	ND(<2.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)
m-, p-xylenes	ug/l	5	5.8	ND(<2.5)	ND(<2.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)
o-Xylene	ug/l	5	2.3	ND(<2.5)	ND(<2.5)	ND(<0.5)	ND(<0.5)	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)
PCBs SW846 8082											
Aroclor 1248	ug/l	0.09	7.0	15	21	ND(<0.5)	ND(<0.50)	ND(<0.50)	ND(<0.50)	NA	ND(<0.50)
Aroclor 1254	ug/l	0.09	ND(<5.6)	ND(<5.6)	ND(<5.8)	ND(<0.5)	ND(<0.50)	ND(<0.50)	ND(<0.50)	NA	ND(<0.50)
Aroclor 1260	ug/l	0.09	76	61	86	ND(<0.5)	ND(<0.50)	ND(<0.50)	ND(<0.50)	NA	ND(<0.50)
TOTAL PCBs:	ug/l	0.09	83.0	76.0	107.0	ND(<0.5)	ND(<0.50)	ND(<0.50)	ND(<0.50)	NA	ND(<0.50)

NA= Not Analyzed

ND(<5.0) = Not detected above specified detection limit

A NYS Groundwater Quality Standards (6NYCRR Part 700)

B Not Detected (6NYCRR Part 700), NYSDOH Drinking Water Standard (10NYCRR Part 5) of 5 ug/l

C NYSDOH Drinking Water Standard (10NYCRR Part 5) of 5 ug/l

D No Standard (NS) provided in 6NYCRR Part 700

TABLE 8

LABORATORY ANALYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS
WATER SAMPLES

GE - Tonawanda, NY
RFI PROGRAM

Compound	Units	NYS Water Standard[A]	EQB-4	EQB-5	EQB-6	EQB-7	TRIP BLANK (7/13/98)	EQB-8	EQB-9	TRIP BLANK (7/15/98)	TRIP BLANK (7/27/98)
Volatile Organic Compounds - SW-846 8021											
Benzene	ug/l	ND[B](5)[C]	ND(<1.0)	ND(<1.0)	NA	NA	ND(<1.0)	NA	ND(<1.0)	ND(<1.0)	ND(<1.0)
Bromodichloromethane	ug/l	50	ND(<0.5)	ND(<0.5)	NA	NA	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)	ND(<0.5)
Chlolrobenzene	ug/l	20	ND(<1.0)	ND(<1.0)	NA	NA	ND(<1.0)	NA	ND(<1.0)	ND(<1.0)	ND(<1.0)
Chloroform	ug/l	100	1.4	1.6	NA	NA	ND(<0.5)	NA	1.2	ND(<0.5)	ND(<0.5)
1,3-dichlorobenzene	ug/l	NS[D](5)[C]	ND(<1.0)	ND(<1.0)	NA	NA	ND(<1.0)	NA	ND(<1.0)	ND(<1.0)	ND(<1.0)
1,4-dichlorobenzene	ug/l	4.7	ND(<1.0)	ND(<1.0)	NA	NA	ND(<1.0)	NA	ND(<1.0)	ND(<1.0)	ND(<1.0)
1,1-dichloroethane	ug/l	50	ND(<0.5)	ND(<0.5)	NA	NA	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)	ND(<0.5)
1,1-dichloroethene	ug/l	0.07	ND(<0.5)	ND(<0.5)	NA	NA	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)	ND(<0.5)
cis-1,2-Dichloroethene	ug/l	5	ND(<0.5)	ND(<0.5)	NA	NA	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)	ND(<0.5)
Ethylbenzene	ug/l	5	ND(<1.0)	ND(<1.0)	NA	NA	ND(<1.0)	NA	ND(<1.0)	ND(<1.0)	ND(<1.0)
Methylene chloride	ug/l	5	ND(<0.5)	ND(<0.5)	NA	NA	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)	0.83
Toluene	ug/l	5	ND(<1.0)	ND(<1.0)	NA	NA	ND(<1.0)	NA	ND(<1.0)	ND(<1.0)	ND(<1.0)
1,1,1-trichloroethane	ug/l	50	ND(<0.5)	ND(<0.5)	NA	NA	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)	ND(<0.5)
m-, p-xylenes	ug/l	5	ND(<0.5)	ND(<0.5)	NA	NA	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)	0.54
o-Xylene	ug/l	5	ND(<0.5)	ND(<0.5)	NA	NA	ND(<0.5)	NA	ND(<0.5)	ND(<0.5)	ND(<0.5)
PCBs SW846 8082											
Aroclor 1248	ug/l	0.09	ND(<0.50)	NA	ND(<0.50)	ND(<0.50)	NA	ND(<0.50)	NA	NA	NA
Aroclor 1254	ug/l	0.09	ND(<0.50)	NA	ND(<0.50)	ND(<0.50)	NA	ND(<0.50)	NA	NA	NA
Aroclor 1260	ug/l	0.09	ND(<0.50)	NA	ND(<0.50)	ND(<0.50)	NA	ND(<0.50)	NA	NA	NA
TOTAL PCBs:	ug/l	0.09	ND(<0.50)	NA	ND(<0.50)	ND(<0.50)	NA	ND(<0.50)	NA	NA	NA

NA= Not Analyzed

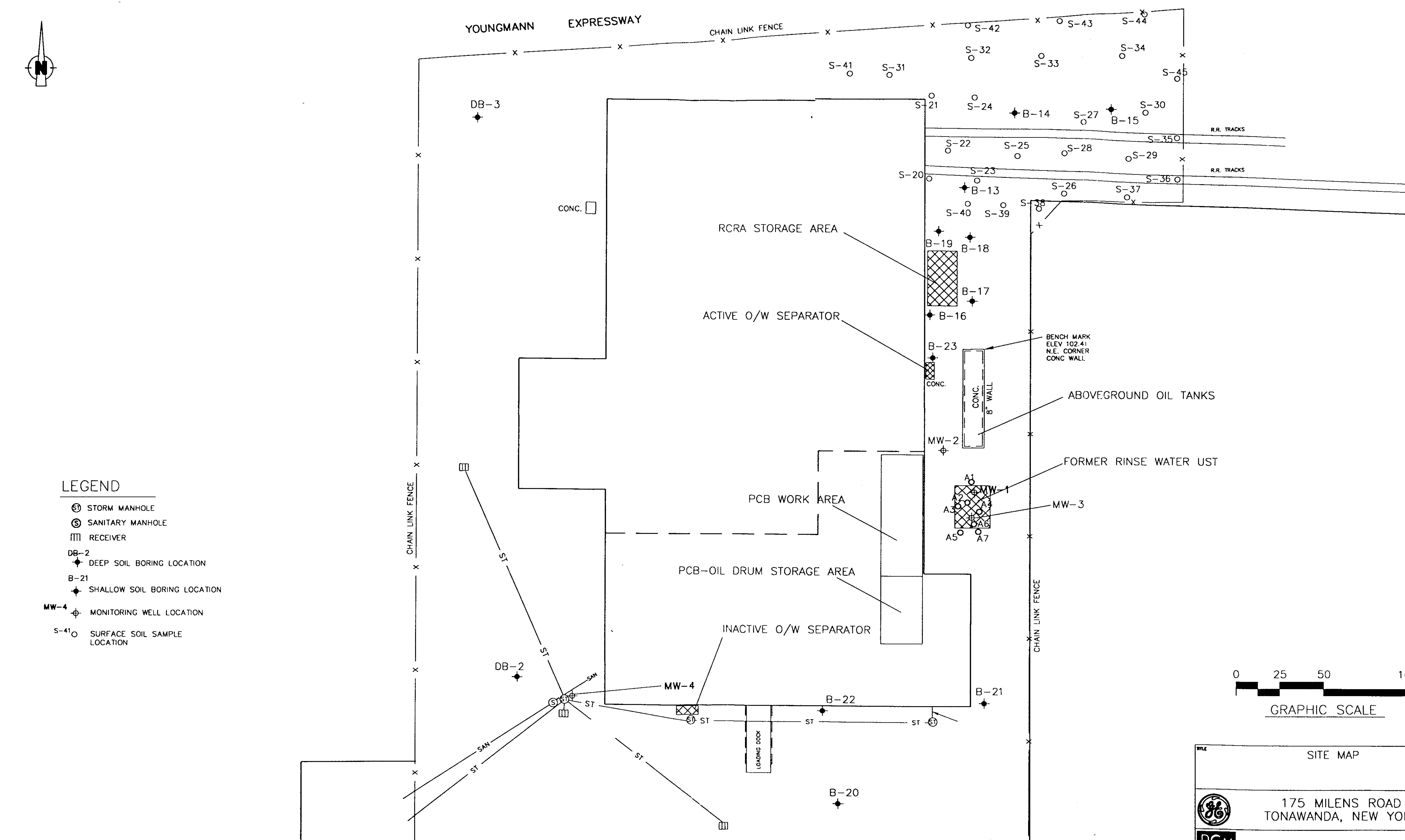
ND(<5.0) = Not detected above specified detection limit

A NYS Groundwater Quality Standards (6NYCRR Part 700)

B Not Detected (6NYCRR Part 700), NYSDOH Drinking Water Standard (10NYCRR Part 5) of 5 ug/l

C NYSDOH Drinking Water Standard (10NYCRR Part 5) of 5 ug/l

D No Standard (NS) provided in 6NYCRR Part 700



SOURCE: "MAP OF GENERAL ELECTRIC SERVICE CENTER PROPERTY, PART OF LOT 45, TOWNSHIP 12, RANGE 8, TOWN OF TONAWANDA, ERIE COUNTY, NEW YORK" KRIEBEL ASSOCIATES, JULY 29, 1998.

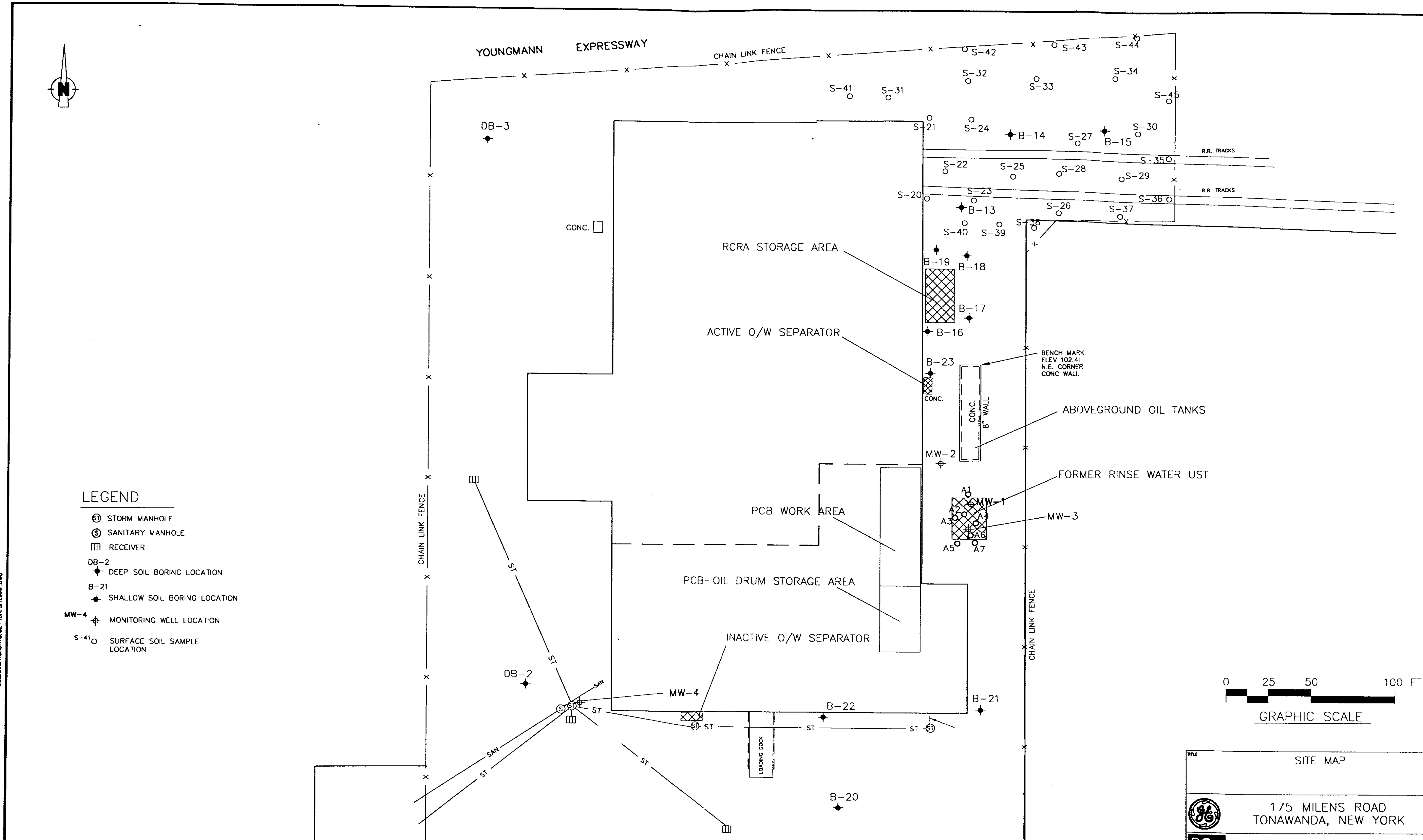
TITLE: SITE MAP

175 MILENS ROAD
TONAWANDA, NEW YORK

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY
ORCHARD PARK, NEW YORK

SCALE 1"=50'	DWN. BY MJC	JOB NO. 28171-733-152
DATE 09/02/98	APPR. BY	FIG. NO. 1

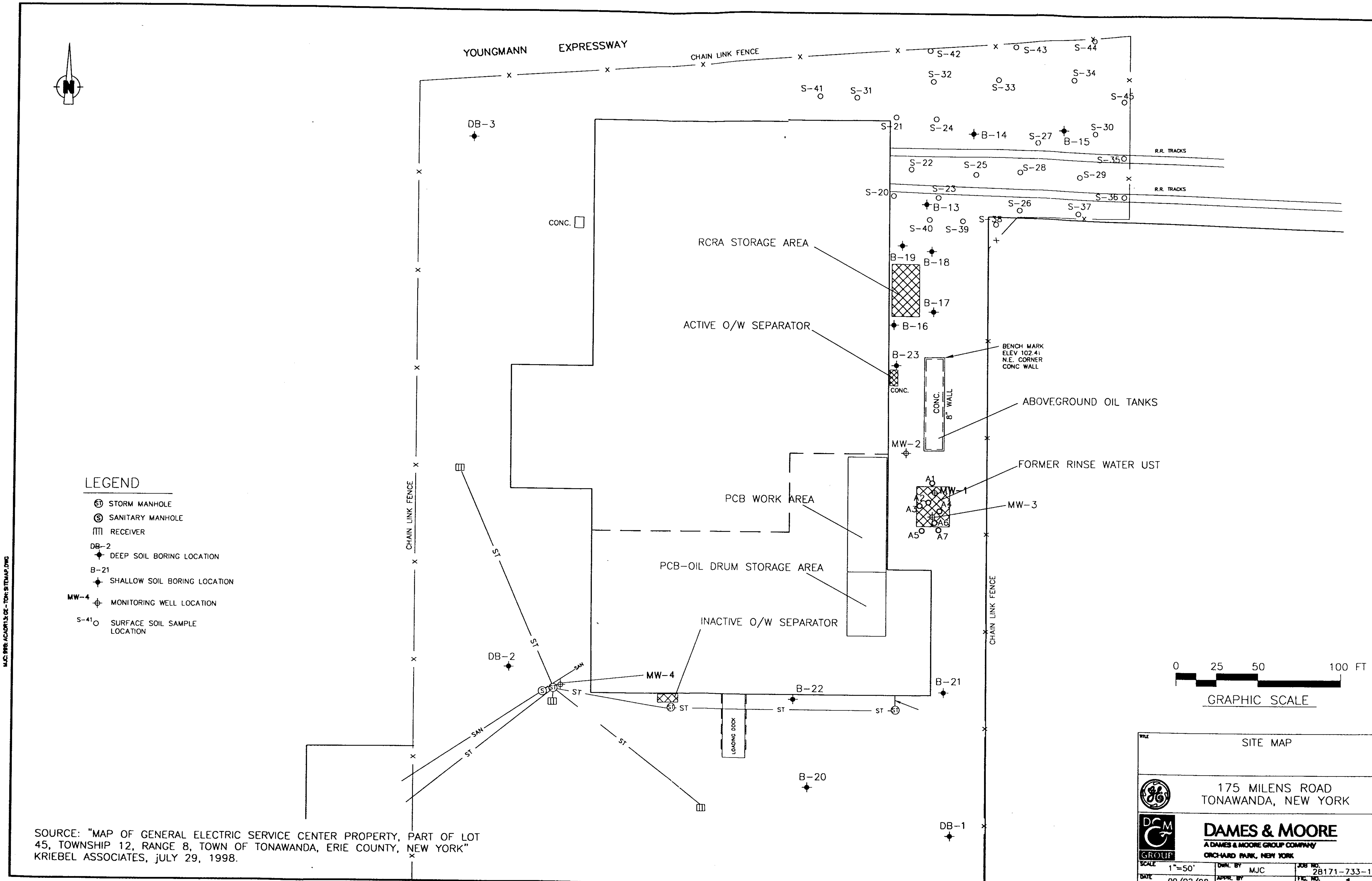
MJC: 998: ACADR13: GE-TON: SITEMAP.DWG



SOURCE: "MAP OF GENERAL ELECTRIC SERVICE CENTER PROPERTY, PART OF LOT 45, TOWNSHIP 12, RANGE 8, TOWN OF TONAWANDA, ERIE COUNTY, NEW YORK" KRIEBEL ASSOCIATES, JULY 29, 1998.

MJC: 998: ACADR13: GE-TON: SITEMAP.DWG

TITLE	SITE MAP		
	175 MILENS ROAD TONAWANDA, NEW YORK		
	DAMES & MOORE A DAMES & MOORE GROUP COMPANY ORCHARD PARK, NEW YORK		
SCALE 1"=50'	DWN. BY MJC	JOB NO. 28171-733-152	
DATE 09/02/98	APPR. BY	FIG. NO. 1	



SOURCE: "MAP OF GENERAL ELECTRIC SERVICE CENTER PROPERTY, PART OF LOT 45, TOWNSHIP 12, RANGE 8, TOWN OF TONAWANDA, ERIE COUNTY, NEW YORK" KRIEBEL ASSOCIATES, JULY 29, 1998.

TITLE: SITE MAP

175 MILENS ROAD
TONAWANDA, NEW YORK

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY
ORCHARD PARK, NEW YORK

SCALE 1"=50'	DWN. BY MJC	JOB NO. 28171-733-152
DATE 09/02/98	APPR. BY	FIG. NO. 1

MJC: 998: ACADR13: GE-TON: SS-MAP.DWG

YOUNGMANN EXPRESSWAY

CHAIN LINK FENCE

S-42
6.2 mg/kg (TEST KIT)
3.1 mg/kg (LAB)

S-43
ND (TEST KIT)
NA (LAB)

S-44
4.7 mg/kg (TEST KIT)
3.52 mg/kg (LAB)

S-34
1.5 mg/kg (TEST KIT)
NA (LAB)

S-41
ND (TEST KIT)
NA (LAB)

S-31
2.9 mg/kg (TEST KIT)
NA (LAB)

S-32
14.7 mg/kg (TEST KIT)
NA (LAB)

S-33
2.1 mg/kg (TEST KIT)
NA (LAB)

S-45
1.2 mg/kg (TEST KIT)
NA (LAB)

S-24
379.9 mg/kg (TEST KIT)
42.0 mg/kg (LAB)

B-15 (0-2')
ND (TEST KIT)
1.2 mg/kg (LAB)

S-30
2.1 mg/kg (TEST KIT)
NA (LAB)

S-21
7.0 mg/kg (TEST KIT)
NA (LAB)

B-14 (0-2')
NA (TEST KIT)
.089 mg/kg (LAB)

S-27
54.4 mg/kg (TEST KIT)
13.8 mg/kg (LAB)

R.R. TRACKS

S-22
226.9 mg/kg (TEST KIT)
7.8 mg/kg (LAB)

S-25
10 mg/kg (TEST KIT)
NA (LAB)

S-35
34.3 mg/kg (TEST KIT)
8.8 mg/kg (LAB)

S-28
0.4 mg/kg (TEST KIT)
1.2 mg/kg (LAB)

S-20
0.36 ppm (TEST KIT)
0.7 ppm (LAB)

S-23
17.6 mg/kg (TEST KIT)
NA (LAB)

S-29
4.1 mg/kg (TEST KIT)
NA (LAB)

R.R. TRACKS

S-26
23.5 mg/kg (TEST KIT)
NA (LAB)

S-36
32.4 mg/kg (TEST KIT)
NA (LAB)

B-13 (0-2')
0.79 mg/kg (TEST KIT)
ND(<.02) (LAB)

S-39
0.3 mg/kg (TEST KIT)
0.1 mg/kg (LAB)

S-40
0.9 mg/kg (TEST KIT)
1.9 mg/kg (LAB)

S-38
23.5 mg/kg (TEST KIT)
NA (LAB)

S-37
89.7 mg/kg (TEST KIT)
75.0 (LAB)

B-19

B-18

B-19 (0-2')
0.17 mg/kg (TEST KIT)
NA (LAB)

B-18 (0-2')
ND (TEST KIT)
NA (LAB)

B-17

B-16

B-17 (0-2')
NA (TEST KIT)
NA (LAB)

B-16 (0-2')
ND (TEST KIT)
NA (LAB)

LEGEND

- SURFACE SOIL SAMPLE LOCATION
- SOIL BORING LOCATION
- FENCE LINE LOCATION
- SURFACE SOIL ANALYTICAL DATA-BOX

S-20
0.4 mg/kg (TEST KIT)
0.7 mg/kg (LAB)

- SURFACE SOIL SAMPLE ID
- TEST KIT RESULT
- LABORATORY RESULT

TEST KIT - RaPid IMMUNOASSAY PCB SCREENING KIT

SOURCE: "MAP OF GENERAL ELECTRIC SERVICE CENTER PROPERTY, PART OF LOT 45, TOWNSHIP 12, RANGE 8, TOWN OF TONAWANDA, ERIE COUNTY, NEW YORK" KRIEBEL ASSOCIATES, JULY 29, 1998.

0 10 20 40 FT

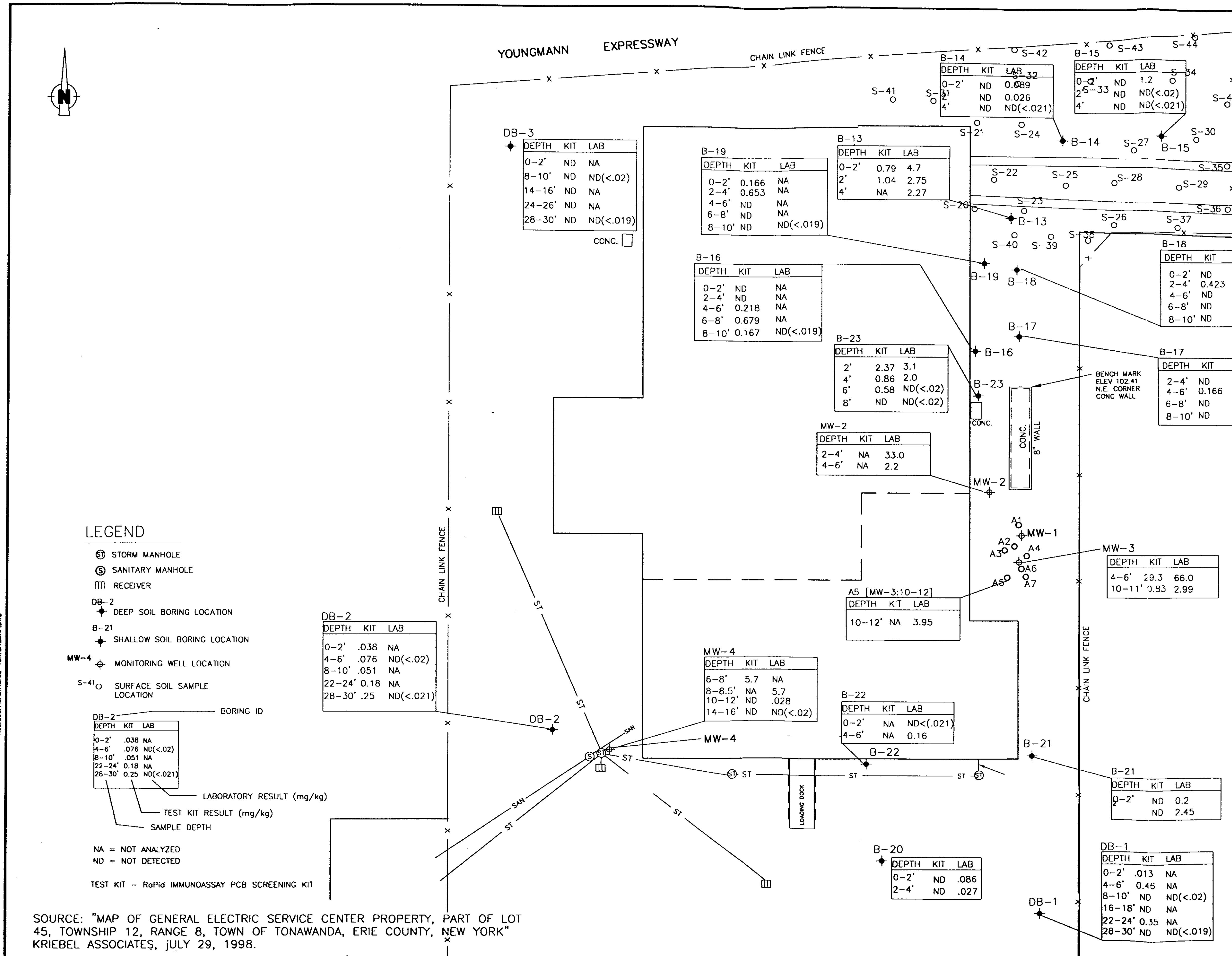
GRAPHIC SCALE

TITLE: SURFACE SOIL PCB ANALYTICAL RESULTS

175 MILENS ROAD
TONAWANDA, NEW YORK

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY
ORCHARD PARK, NEW YORK

SCALE	1"=25'	DWN. BY	MJC	JOB NO.	28171-733-152
DATE	09/02/98	APPR. BY		FIG. NO.	2



SOURCE: "MAP OF GENERAL ELECTRIC SERVICE CENTER PROPERTY, PART OF LOT 45, TOWNSHIP 12, RANGE 8, TOWN OF TONAWANDA, ERIE COUNTY, NEW YORK" KRIEBEL ASSOCIATES, JULY 29, 1998.

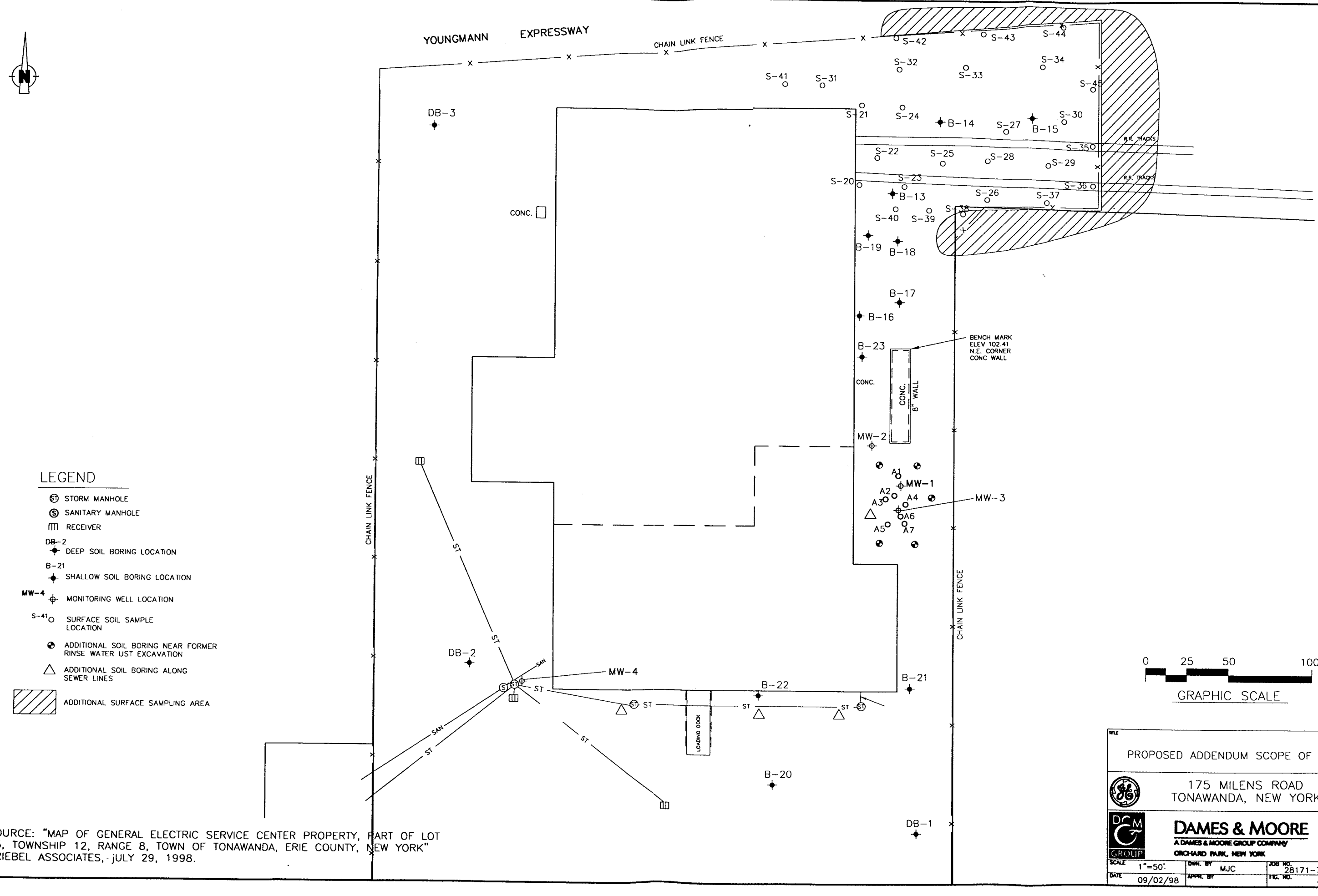
SOIL BORING PCB ANALYTICAL RESULTS

175 MILENS ROAD
TONAWANDA, NEW YORK

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY
ORCHARD PARK, NEW YORK

SCALE 1"=50' | DWN. BY MJC | JOB NO. 28171-733-152
DATE 09/02/98 | APPR. BY | FIG. NO. 3

MJC: 998: ACADR13: GE-TON: SITEMAP.DWG



LEGEND

- ST — STORM MANHOLE
- S — SANITARY MANHOLE
- RECEIVER
- DB-2 — DEEP SOIL BORING LOCATION
- B-21 — SHALLOW SOIL BORING LOCATION
- MW-4 — MONITORING WELL LOCATION
- S-41 — SURFACE SOIL SAMPLE LOCATION
- ADDITIONAL SOIL BORING NEAR FORMER RINSE WATER UST EXCAVATION
- △ ADDITIONAL SOIL BORING ALONG SEWER LINES
- ADDITIONAL SURFACE SAMPLING AREA

SOURCE: "MAP OF GENERAL ELECTRIC SERVICE CENTER PROPERTY, PART OF LOT 45, TOWNSHIP 12, RANGE 8, TOWN OF TONAWANDA, ERIE COUNTY, NEW YORK" KRIEBEL ASSOCIATES, JULY 29, 1998.

MJC: 999: ACADR13: GE-TON: SITEMAP.DWG

TITLE

PROPOSED ADDENDUM SCOPE OF WORK

175 MILENS ROAD
TONAWANDA, NEW YORK

DAMES & MOORE
A DAMES & MOORE GROUP COMPANY
ORCHARD PARK, NEW YORK

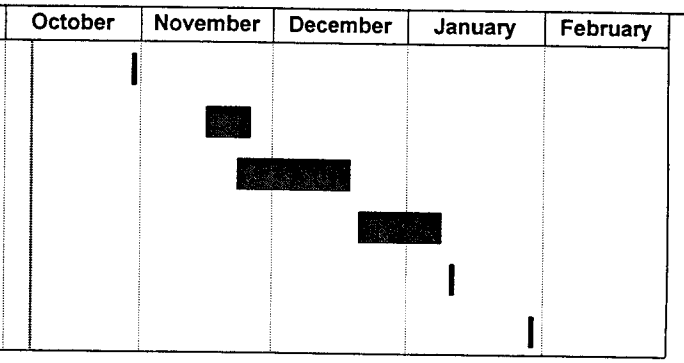
SCALE	1"=50'	DWN. BY	MJC	JOB NO.	28171-733-152
DATE	09/02/98	APPR. BY		FIG. NO.	4

FIGURE 5

Revised Project Schedule
RCRA Facility Investigation
GE Buffalo Service Center, Tonawanda, NY

DRAFT

ID	Task Name	Start	Finish
1	Approval of RFI Addendum	10/30/98	10/30/98
2	Implementation of Addendum Field Scope of Work	11/16/98	11/25/98
3	Laboratory Analyses	11/23/98	12/18/98
4	Data Analysis and Report Preparation	12/21/98	1/8/99
5	Submittal of Draft RFI Report to GE	1/11/99	1/11/99
6	Submittal of RFI Report to NYSDEC	1/29/99	1/29/99



DAMES & MOORE
A DAMES & MOORE GROUP COMPANY

6 Century Hill Drive
Latham, New York 12110
518 786 3201 Tel
518 786 1989 Fax

LETTER OF TRANSMITTAL

Date: 10.12.98
Via: UPS Overnight

TO: NYSDEC
50 Wolf Rd
Albany NY

Attention: Roger Murphy #: 28171-733

We are enclosing 1 copy
Proposed Addendum #1 - RFI Scope of Work
GE-Tonawanda

These are: (As checked below)

____ Approved	____ For your approval
____ Not approved	✓ For review and comment
____ No exception observed	____ Per your request
____ Make corrections observed	____ For use on job
____ Revise and resubmit	____ For your files
____ Return __ corrected copies	____ _____

Remarks: _____

If enclosures received are not listed above, please notify at once.

Very Truly Yours,

DAMES & MOORE

By Erik Fujita

Copy: _____

L1119.ltr/slw