PHASE II
ENVIRONMENTAL SITE ASSESSMENT
MYRTLE AND BOOTH ST. PROPERTIES
NEW BRITAIN, CONNECTICUT

Prepared for:

City of New Britain

Prepared by:

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April 2000

TABLE OF CONTENTS

1.0 INTRODUCTION

1.1 Objective

TRC performed a Phase II environmental site assessment at the property located at Myrtle and Booth Streets in New Britain, Connecticut. This Phase II environmental site assessment was conducted to determine the following objectives.

- Determine whether there are any conditions that require reporting to the Connecticut Department of Environmental Protection (CT DEP).
- Evaluate the need for cleanup and determine the costs.
- Identify environmental issues that could affect site development.

1.2 Background

Figure 1-1 shows the location of the subject site in New Britain, CT. Figure 1-2 is a Site Plan depicting the features and layout of the property. The City of New Britain currently owns the property. Previously, the Site was owned and occupied by various separate owners.

The subject property consists of two parcels at the corner of Myrtle and Booth Streets which include the following addresses: 271-273 Myrtle Street, and 16 and 24 Booth Street, in New Britain, Connecticut. The 0.41 acre site is located in an area of industrial, commercial and residential land use and the parcels are listed in the City of New Britain Assessor's Office on Map 461 (Lots 47 and 105). The Site grounds were formerly used for residential and commercial purposes, including an auto body and auto repair shop.

The Site is bounded by an unused parking lot to the north, Booth Street to the east, an unused parking lot to the west, and Myrtle Street to the south. The former Fafnir Bearing Industrial Complex (demolished) was located across Booth Street to the east of the Site, and the Stanley Works plant (active) is currently located across Myrtle Street to the south of the Site.

TRC previously completed a Phase I environmental site assessment that identified potential sources of contamination at the Myrtle and Booth Street property. These included discarded motor vehicle parts, automotive-related product containers and petroleum staining at the subject site. TRC recommended a soil sampling program to determine whether there were any impacts due to these historical operations on the subject site or as a result of release from neighboring properties.

On the date of the TRC inspection, significant surface staining was noted on interior and exterior areas of the 16 Booth Street building (see Figure 1-2). Numerous abandoned and discarded auto parts, automotive product containers, and paint containers were observed

on interior and exterior areas of this portion of the Site. In addition, numerous unlabeled 55-gallon petroleum drums and 55-gallon drums of unknown content were observed inside the former auto body shop building. Several of these drums were noted to be leaking onto the concrete slab floor surface of the building. Two junk automobiles were present outside of the 16 Booth Street building on the date of the inspection.

Moderate petroleum surface staining and various discarded auto and motorcycle parts were also observed by TRC on interior and exterior areas of the four-bay garage located behind the 24 Booth Street building.

Interior areas of all of the on-site buildings were cluttered with discarded/abandoned debris and trash. With the exception of the materials observed in the 16 Booth Street building and a few one-gallon paint cans observed on the second floor of the 271-273 Myrtle Street building, no petroleum or chemical containers were observed in other areas of the Site. All of the 275-gallon above ground storage tanks (3) which formerly supplied heating oil for the buildings appeared to be empty on the date of the TRC inspection.

Between the time of the Phase I site walkover and the Phase II sampling, all items previously mentioned were removed, the buildings were demolished and the site was cleared and graded by the City of New Britain.

The area surrounding the Site consists of a mix of residential, commercial, and industrial facilities. Residential and retail facilities are located to the north and west of the Site. The Stanley Works hardware plant is currently located across Myrtle Street to the immediate south of the Site in the estimated downgradient direction. As indicated by historic Sanborn Fire Insurance Company Maps reviewed by TRC at the Connecticut State Library Archives, the Stanley Works facility has been in operation since at least 1884. The Fafnir Bearing Company was formerly located across Booth Street to the immediate east of the Site in the estimated crossgradient direction. This industrial facility was recently demolished. Prior to Fafnir, this site was occupied by The Hart and Cooley Company, manufacturers of steel hot air registers (approx. 1900 to 1920s), and by The New Britain Brass Company (prior to 1900). On the date of the TRC inspection, several ground water monitoring wells were observed on the former Fafnir Bearing site, and on-site remedial activities were apparent.

2.0 TECHNICAL APPROACH

All work performed for this Phase II was completed in accordance with the EPA approved Quality Assurance Project Plan (QAPjP)) except as noted below.

2.1 Initial Soil Sampling Program

Based on information from neighboring subsurface investigations regarding shallow bedrock, test pits were selected as the initial means for collecting soil samples at the onset of Phase II activities in September of 1999. Figure 1-2 presents the locations where test pits were advanced and Table 2-1 presents a list of samples collected as well as the chemical analyses performed on each sample. TRC excavated 5 test pits and collected soil samples from the five locations including a duplicate sample.

2.2 Additional Phase II Investigation

Based on the results of the initial test pit sampling conducted on the Site in September 1999, an additional Phase II Environmental Investigation was implemented in March 2000. The additional investigation consisted of the drilling of six soil borings on the site and the collection and analysis of soil samples, including two duplicate samples, from five of the borings. Insufficient recovery of soil from boring B-3 prevented the collection of a soil sample from this location for chemical analysis. Five of the borings were drilled in the street or sidewalk along Myrtle Street or Booth Street and one boring was drilled in the southwest corner of the Site. Figure 1-3 presents the locations where soil borings were advanced and Table 2-1 presents a list of samples collected as well as the chemical analyses performed on each sample.

2.3 Evaluation of the Need for Remediation

TRC analyzed the sampling data together with field observations to determine the need for remediation at the Site. The results of chemical analyses were compared with CT DEP Reportable Concentrations (for RC S-1 [soil]) to evaluate the need for reporting site conditions to the CT DEP.

Table 2-1 – Summary of Samples Collected and Chemical Analytical Parameters

Sample Location	Sample Depth (ft)	**TPH** Method 418.1 or ETPH	**VOCs** Method 8260 or 5035	**SVOCs** Method 8270	**RCRA** 8 Metals SPLP	**PCBs** Method 8062
TP-1	8-8.5	√	√	√	√	√
TP-2	8-8.5	√	√	√	√	√
TP-3	10	√	√	√	√	√
TP-4	7	√	√	√	√	√
TP-5	6	√	√	√	√	√
TP-6 (dup of TP-1)	-		√		√	
SS-1	-	√	√	√	√	√
SS-2	-	√	√	√	√	√
SS-3	-	√	√	√	√	√
B-1*	6-8	√	√	√		
B-2*	9-11	√	√	√		
B-4*	3-5	√	√	√		
B-5*	0-2	√	√	√		
B-6*	6-8	√	√	√		
B-7* (dup of B-6)	NA			√		
B-2A* (dup of B-2)	NA		√			

B-1* - All soil boring samples, unless indicated otherwise, were analyzed for extractable total petroleum hydrocarbons (ETPH) and for VOCs by EPA Method 5035, as well as for VOCs by EPA Method 8260.

3.0 RESULTS OF INVESTIGATION

3.1 Subsurface Conditions

Appendix A contains copies of the test pit and soil boring logs. The soil conditions on site consist primarily of brown to reddish brown, fine to medium sand, with little coarse sand and gravel. This fill layer appears to be from 6'-11' deep and extends from the ground surface to the bedrock surface. The presence of bedrock at 10'- 11' deep was confirmed by the soil boring investigation.

3.2 Nature and Extent of Contamination

Appendix B contains copies of the laboratory reports of chemical analysis.

3.2.1 Soil

Tables 3-1 and 3-2 present a summary of the chemical analyses of soil samples collected at the Site. Note that these tables only list those analytes that were detected in the samples.

Total Petroleum Hydrocarbons (TPHs): TPHs were not detected at concentrations above the applicable criteria in any of the soil samples submitted for these analyses.

Volatile Organic Compounds (VOCs): VOCs were not detected at concentrations above the applicable criteria in any of the soil samples submitted for these analyses.

SemiVolatile Organic Compounds (SVOCs): SVOCs were not detected at concentrations above the applicable criteria in any of the soil samples submitted for these analyses.

Polychlorinated Biphenyls (PCBs): PCBs were not detected at concentrations above the applicable criteria in any of the soil samples submitted for these analyses.

Metals: Metals were detected in all of the test pit soil samples analyzed. This is not unexpected since soil is comprised largely of inorganic compounds. None of the metals were detected at concentrations above the applicable criteria in any of the soil samples submitted for these analyses.

3.3 Data Usability

TRC conducted a quality review of the data and found no notable problems that would have affected the quality of the data.

4.0 CONCLUSIONS

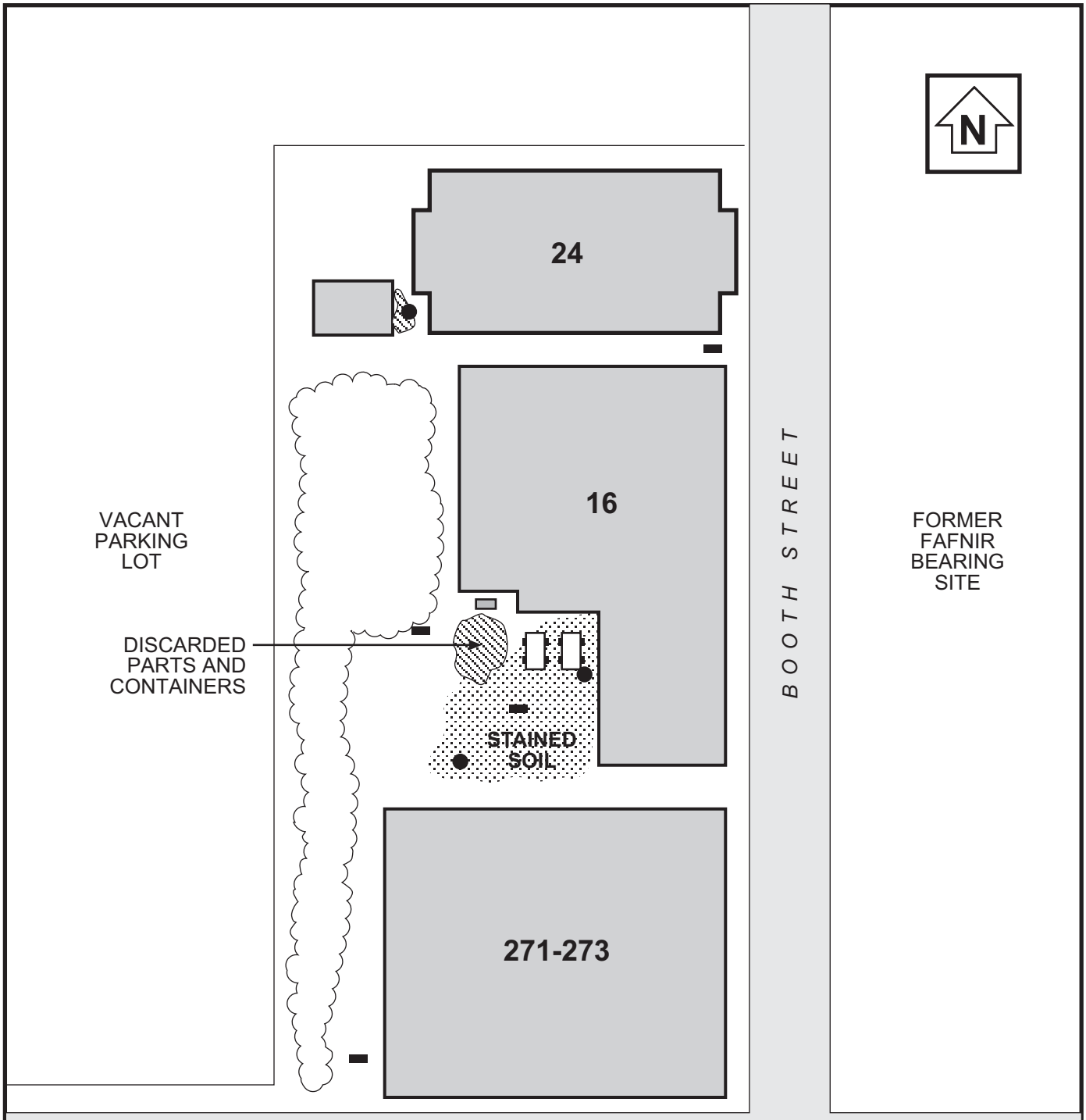
TRC determined the following as a result of this investigation.

1. The site is underlain by a 6 to 11 foot thick layer of fill that appears to extend across the majority of the property. The fill consists primarily of fine to medium brown sands with shale bedrock beneath. Groundwater was only discovered in the overburden in test pit 3. Throughout the rest of the site bedrock appears to be closer to the surface than the water table.

2. VOCs, SVOCs, total petroleum hydrocarbons and PCBs were not detected above the applicable criteria in any of the soil samples collected at the Site. This indicates that TRC did not identify any on site sources of contamination needing further investigation. Metals were detected in all of the test pit soil samples analyzed, which is normal and expected since soil is comprised largely of inorganic compounds. None of the metals were detected at concentrations exceeding the applicable criteria.

APPENDIX A
TEST PIT AND SOIL BORING LOGS

APPENDIX B
ANALYTICAL DATA REPORTS



STANLEY WORKS

KEY

- Surface Soil Locations
- Test Pit Locations
- 275-Gallon AST
- *NOT TO SCALE*
- Discarded Auto Parts
- Junk Cars

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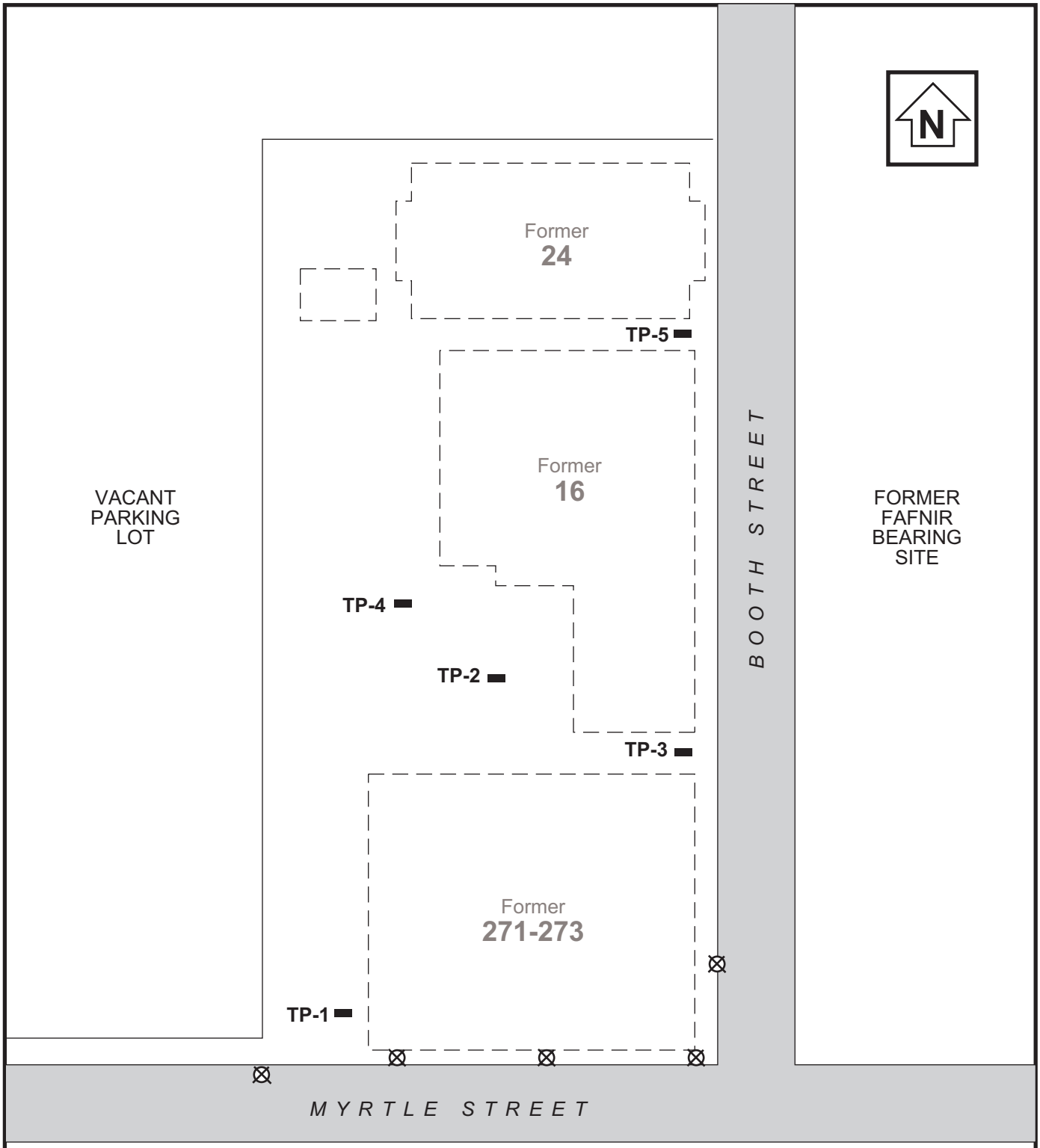
MYRTLE AND BOOTH STREET
NEW BRITAIN, CONNECTICUT

FIGURE 5-1.
SITE PLAN

Date: 6/99 | Project No. 25795-0000-00002



STANLEY WORKS

KEY

- Test Pit Locations
- Proposed Soil Boring Locations
- Former Building Location

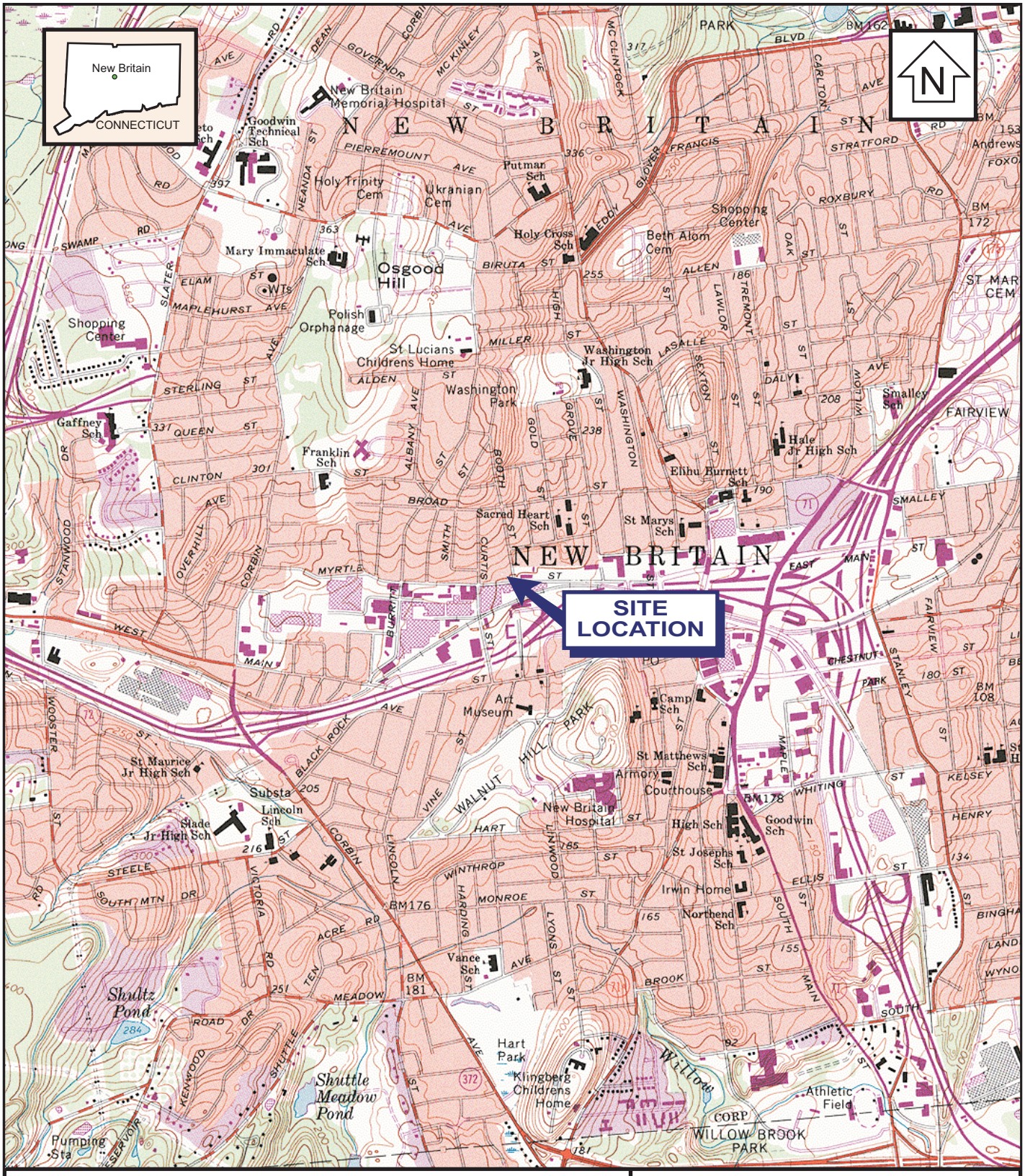
NOT TO SCALE

TRC Environmental Corporation
5 Waterside Crossing
Windsor, Ct 06095
(860) 289-8631

MYRTLE AND BOOTH STREET
NEW BRITAIN, CONNECTICUT

SITE PLAN

Date: 02/00 | Project No. 25795-0020-00000



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www.topo.com NEW BRITAIN, CT - 7.5' USGS TOPOGRAPHIC MAPS

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MYRTLE AND BOOTH STREET
NEW BRITAIN, CONNECTICUT

FIGURE 1-1

SITE LOCATION MAP

Date: 11/99 | **Project No.** 25795-0020-00000

Table 2-1 - Summary of Samples Collected and Chemical Analytical Paramaters

Sample Location	Sample Depth (ft)	**TPH** Method 418.1	**VOCs** Method 8260	**SVOCs** Method 8270	**RCRA 8 Metals** SPLP	**PCBs** Method 8062
TP-1	8-8.5	√	√	√	√	√
TP-2	8-8.5	√	√	√	√	√
TP-3	10	√	√	√	√	√
TP-4	7	√	√	√	√	√
TP-5	6	√	√	√	√	√
TP-6(dup of TP-1)	-		√		√	
SS-1	-	√	√	√	√	√
SS-2	-	√	√	√	√	√
SS-3	-	√	√	√	√	√

Table 3.1: Summary of Soil Sample Results - Myrtle & Booth Streets, New Britain, CT

Sample Identification: Sample Depth (ft):	TP-1 8-8.5'	TP-6 (dup TP-1) 8-8.5'	TP-2 8-8.5'	TP-3 10'	TP-4 7'	TP-5 6'	GB Mobility Criteria (ppb)
VOCs (ppb)							
1,2,4-Trimethylbenzene	7						70,000
Acetone	13						140,000
SVOCs (ppb)							
2-Methylnaphthalene	220J	NA					9,800
Phenanthrene			190J				40,000
Fluoranthene			250J				56,000
Inorganics (ppb)							
Arsenic	3.1B	7.8B	17	2.1B	14.5	20.1	500
Barium	93.4	218	296	58.4	436	380	10,000
Cadmium		0.41B					50
Chromium	7.9B	20.5	24.8	6.6B	62.5	58.8	500
Lead	9.4	38.6	22	5.1	22.4	28.6	150
Mercury	0.11B	0.10B	0.09B	0.03B	0.12B	0.10B	20
TPH (ppm)	190	NA	25		34		2,500 ppm

Notes:
J = Compound was detected at an estimated concentration between the instrument and method detection limits
NA = Not Analyzed

Inorganics:
B = Greater than instrument detection limit but less than Contract Required detection limit (CRDL)

Table 3.1 (cont): Summary of Soil Sample Results, Myrtle & Booth Streets, New Britain, CT

Sample Identification:	SS-1	SS-2	SS-3	CT Res. Criteria (ppb)
VOCs (ppb)				
Toluene			4J	500,000
SVOCs (ppb)				
Phenanthrene	320J			1,000,000
Fluoranthene	700		350J	1,000,000
Pyrene	600		290J	1,000,000
Benzo[A]Anthracene	330J			1,000
Chrysene	390J			84,000
Benzo[B]Fluoranthene	430			1,000
Benzo[A]Pyrene	320J			1,000
Indeno [1,2,3-CD]Pyrene	220J			1,000
Benzo[G,H,I]Perylene	210J			1,000,000
PCBs (ppb)				1,000 tot.
PCB-1248	39			
PCB-1260	22			
Inorganics (ppb)				
Arsenic	2.1B	2.7B	8.7	10,000
Barium	37.8	58.8	153	4,700,000
Cadmium	0.44B			34,000
Chromium	6.5B	10.6B	26.2	100,000
Lead	106	19.7	124	500,000
Mercury	0.10B	0.08B	0.17B	20,000
TPH (ppm)	270	200	110	500 ppm

Notes:
J = Compound was detected at an estimated concentration between the instrument and method detection limits.

Inorganics:
B = Greater than instrument detection limit but less than Contract Required Detection Limit (CRDL).

Table 3.1 (cont.): Summary of Soil Sample Results - Myrtle & Booth Streets, New Britain, CT

Sample Identification: Sample Depth (ft):	B1 6-8'	B2 9-11'	B2A (Dup of B2)	B4 3-5'	B5 0-2'	B6 6-8'	B7 (Dup of B6)	CT Res. Criteria (ppb)	GB Mobility Criteria (ppb)
VOCs (ppb)									
Methylene chloride	9B	11B	10B	10B	9B	12B	NA	82,000	1,000
Acetone	11	27	30	8J	11	8J	NA	500,000	140,000
2-Butanone (MEK)		10J	13			24		500,000	80,000
SVOCs (ppb)									
Phenanthrene						360J		1,000,000	40,000
Fluoranthene						440	250J	1,000,000	56,000
Pyrene						360J	220J	1,000,000	40,000
Benzo(a)anthracene						180J		1,000	1,000
Chrysene						200J		84,000	1,000
Benzo(b)fluoranthene						210J		1,000	1,000
ETPH (ppm)	9.8	12	NA	6.6	6.5	77	NA	500 ppm	2,500 ppm

Notes:
J = Compound was detected at an estimated concentration between the instrument and method detection limits
NA = Not Analyzed

Inorganics:
B = Greater than instrument detection limit but less than Contract Required detection limit (CRDL)

BORING LOG
SOIL BORING NO. 1

Project No.
01218-1370-00002

Sample ID:
B-1

Location:
Mechanicville, NY

Total Depth:
9'

Date:
10/22/1999

Excavation Contractor
Zebra

TRC Inspectors:
S. Rutkowski

Drilling Rig Type:
Geo-Probe

DEPTH (feet)	REC (feet)	SUBSURFACE DESCRIPTION	Remarks
0 - 4 feet	1.5	Asphalt followed by Brown M-Sand, trace gravel.	slight petrol. odor
4 - 8 feet	2	Coarse sand and gravel followed by Brown sand and gravel, some silt.	slight petrol. odor
8 - 9 feet	0.6	Brown sand and gravel.	petroleum odor
		Refusal. Hard rock encountered	
		No ground water observed in excavation.	

TEST PIT LOG
TEST PIT NO. 2

Location: Central Portion of Site	Dimensions, L x W x D (feet): 10' x 3' x 8.5'
Date: 09/22/1999	Excavation Contractor: AET
TRC Inspectors: G. Huit	Sample ID/Depth: TP-2 / 8-8.5'

DEPTH (feet)	SUBSURFACE DESCRIPTION
0 - 8.5 feet	Brown/reddish brown F-M sand, little coarse sand and gravel, trace silt, moist. Clay pipe pieces encountered between 1-3 feet, brick. No stain/odor. Hard rock encountered. No ground water observed in excavation.

TEST PIT LOG
TEST PIT NO. 3

Location: Eastern Central Portion of Site	Dimensions, L x W x D (feet): 10' x 3' x 11'
Date: 09/22/1999	Excavation Contractor: AET
TRC Inspectors: G. Huit	Sample ID/Depth: TP-3 / 10'

DEPTH (feet)	SUBSURFACE DESCRIPTION
0 - 3 feet	Brown F sand, little coarse sand & gravel, brick pieces, dry. No stain/odor. Brick/mortar foundation encountered just below grade.
3 - 10.5 feet	Reddish brown F sand, little gravel, trace silt, dry. No stain/odor
10.5 - 11 feet	Groundwater encountered at ~11 feet.

TEST PIT LOG
TEST PIT NO. 4

Location: West Central Portion of Site	Dimensions, L x W x D (feet): 10' x 3' x 7'
Date: 09/22/1999	Excavation Contractor: AET
TRC Inspectors: G. Huit	Sample ID/Depth: TP-4 / 7'

DEPTH (feet)	SUBSURFACE DESCRIPTION
0 - 2 feet	Brownish Red F-M Sand, little coarse sand and gravel, trace silt and cobble, dry. No stain/odor.
2 - 7 feet	Orangish Brown F-M Sand, little silt, trace gravel and cobble, dry. No stain/odor.
	Hard Rock (shale) encountered.
	No ground water observed in excavation.

TEST PIT LOG

TEST PIT NO. 5

Location: Northeastern Portion of Site

Dimensions, L x W x D (feet): 10' x 3' x 6'

Date: 09/22/1999

Excavation Contractor: AET

TRC Inspectors: G. Huit

Sample ID/Depth: TP-5 / 6'

DEPTH (feet)	SUBSURFACE DESCRIPTION
0 - 6 feet	Reddish brown F-M Sand and Silt, little M-C sand and gravel, little cobble, dry to moist. No stain/odor. Old sewer pipe hit at ~4 feet. Hard rock encountered. No ground water observed in excavation.

BORING LOG

Boring: B6
Project Name: Brownfield: Mrtyle & Booth
Project Location: New Britain, CT.

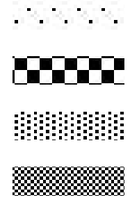
Drilling Company: Glenn Drilling
Drillers: Roy Glenn
Drill Rig: Beaver Model B-3, using 2 1/4" I.D. augers & 2" O.D. split spoons

Date Started: March 16, 2000
Date Completed: March 16, 2000
TRC Inspector: L. Bane

Depth (feet)	Blow Counts (per 6")	Recovery (feet)	FID* (ppm)	Description	Lithology
0-2	6, 6, 7, 4	0.6	0.0	0.0' - 0.2' Red Brown F-M SAND 0.2' - 0.6' Brown F-SAND, fill	0.0
2-4	10, 31, 38, 39	1.1	0.0	0.0' - 0.4' Brown F-SAND, moist no odor, fill 0.4' - 0.5' Asphalt and brick debris, fill 0.5' - 1.1 Red Brown SILT and F-SAND with some M-C sand and C-gravel, moist no odor	
4-6	19, 31, 32, 29	0.4	0.0	0.0' - 0.4' Red Brown SILT to C-SAND with some C-gravel, moist, no odor	
6-8	31, 42, 23, 17	1.0	0.0	0.0' - 1.0' Red Brown SILT and F-SAND (very dense), dry , no odor	
8-10	16, 14, 26, 50/3"	0.5	1.0	0.0' - 0.5' C-GRAVEL with little silt and F-sand, saturated, slight petro odor	

Samples: B6 - VOCs collected from 6'-8' interval
B6 - SVOCs & ETPH, composite of complete soil column, duplicate collected for ETPH (identified as B7)

Geologic Symbols:



Sand
Asphalt and Brick Debris
Silt & Sand
Silt, Sand & Gravel

BORING LOG

Boring: B5
Project Name: Brownfield: Mrtyle & Booth
Project Location: New Britain, CT.

Drilling Company: Glenn Drilling
Drillers: Roy Glenn
Drill Rig: Beaver Model B-3, using 2 1/4" I.D. augers & 2" O.D. split spoons

Date Started: March 16, 2000
Date Completed: March 16, 2000
TRC Inspector: L. Bane

Depth (feet)	Blow Counts (per 6")	Recovery (feet)	FID* (ppm)	Description	Lithology
0-2	4, 5, 4, 10	1.3	0.0	0.0' - 0.1' Asphalt 0.1' - 1.3' Red Brown F-SAND with little silt, M-C sand and gravel	0.0
2-4	10, 29, 41, 47	1.3	0.0	0.0' - 0.45' Red Brown SILT and F-SAND, saturated, no odor 0.45' - 1.3' Red Brown SILT and F-SAND with some coarse gravel, dry no odor	
4-6	29, 48, 56, 70/3"	1.6	0.0	0.0' - 0.5' Red Brown SILT and F-SAND, moist, no odor 0.5' - 1.6' Red Brown SILT and F-SAND (very dense) and rock debris, dry, no odor Refusal at 6'	

Samples: B5 - VOCs collected from 0' - 2' interval
B5 - SVOCs & ETPH, composite of complete soil column

Geologic Symbols:

Asphalt

Silt & Sand

Silt, Sand & Gravel

BORING LOG

Boring: B4
Project Name: Brownfield: Mrtyle & Booth
Project Location: New Britain, CT.

Drilling Company: Glenn Drilling
Drillers: Roy Glenn
Drill Rig: Beaver Model B-3, using 2 1/4" I.D. augers & 2" O.D. split spoons

Date Started: March 16, 2000
Date Completed: March 16, 2000
TRC Inspector: L. Bane

Depth (feet)	Blow Counts (per 6")	Recovery (feet)	FID* (ppm)	Description	Lithology
1-3	18, 14, 14, 19	0.95	0.0	0.0' - 0.2' Concrete debris 0.2' - 0.95' Red Brown F-SAND with some silt, M-C sand and grravel, moist , mo odor	0.0
3-5	21, 22, 27, 39	1.45	0.0	0.0' - 0.2' Concrete debris 0.2' - 0.5 Red Brown F-M SAND, moist, no odor 0.5' - 0.7' Red Brown SILT and F-SAND, moist no odor 0.7' - 0.9' Red Brown F-M SAND, moist, no odor 0.9' - 1.2' Red Brown SILT and F-SAND, moist no odor 1.2' - 1.45' Red Brown F-M SAND, moist, no odor	
5-7	38, 49, 33, 41	1.4	0.0	0.0' - 1.4' Red Brown F-C SAND and GRAVEL with some silt, most no odor	
7-9	not recorded	1.3	0.0	0.0' - 1.3' Red Brown SILT and F-SAND with some M-C sand and gravel, moist, no odor	
9-11	38, 67, 48, 35	0.5	0.0	0.0' - 0.4' Red Brown SILT and F-SAND with some C-sand and gravel, moist, no odor 0.4' - 0.5' Red Brown M-C SAND with little silt, saturated, no odor	11.0

Sample: B4 - VOCs collected from the 3'-5' interval along with a duplicate for MS/MSD
B4 - SVOCs and ETPH collected from composite of the 1'-3'
and the 3'-5' interval along with a duplicate for MS/MSD

Geologic Symbols:

Sand
Silt & Sand
Silt, Sand & Gravel
Concrete Debris

BORING LOG

Boring: B3
Project Name: Brownfield: Mrtyle & Booth
Project Location: New Britain, CT.

Drilling Company: Glenn Drilling
Drillers: Roy Glenn
Drill Rig: Beaver Model B-3, using 2 1/4" I.D. augers & 2" O.D. split spoons

Date Started: March 16, 2000
Date Completed: March 16, 2000
TRC Inspector: L. Bane

Depth (feet)	Blow Counts (per 6")	Recovery (feet)	FID* (ppm)	Description	Lithology
1-3	6, 7, 11, 22	0.95	0.0	0.0' - 0.1' Concrete debris 0.1' - 0.95' Red Brown SILT and F-SAND with some M-C sand and gravel, moist, no odor	0.0
3-5	23, 50/1"	0.3	0.0	0.0' - 0.1' Concrete debris 0.1' - 0.3' Red Brown SILT and F-SAND with some coarse gravel, moist, no odor	
5-7	33, 41, 32, 29	1.7	0.0	0.0' - 0.5' Coarse GRAVEL with little silt and F-sand, saturated, no odor 0.5' - 1.7' Red Brown SILT and F-SAND with some M-C sand and gravel, saturated, no odor	
7-9	29, 30, 30, 31	1.8	0.2	0.0' - 0.2' Red Brown C-SAND with little F-M sand and silt, saturated no odor 0.2' - 1.8' Red Brown SILT and F-SAND, saturated, no odor	9.0

Samples: No sample collected, insufficient soil.

Geologic Symbols:

Silt & Sand

Silt, Sand & Gravel

Concrete Debris

BORING LOG

Boring: B2
Project Name: Brownfield: Mrtyle & Booth
Project Location: New Britain, CT.

Drilling Company: Glenn Drilling
Drillers: Roy Glenn
Drill Rig: Beaver Model B-3, using 2 1/4" I.D. augers & 2" O.D. split spoons

Date Started: March 16, 2000
Date Completed: March 16, 2000
TRC Inspector: L. Bane

Depth (feet)	Blow Counts (per 6")	Recovery (feet)	FID* (ppm)	Description	Lithology
1-3	6, 12, 19, 20	0.1	0.0	0.0' - 0.1' Red Brown SILT and F-SAND with some M - C sand, gravel and concrete debris, dry, no odor	0.0
3-5	26, 30, 39, 31	1.7	1.1	0.0' - 0.4' Concrete debris 0.4' - 1.7' Red Brown SILT and F-SAND with some C-sand and gravel, dry , no odor	
5-7	25, 22, 52, 29	1.0	0.0	0.0' - 0.5' Red Brown SILT to C-SAND and GRAVEL, dry, no odor 0.5' - 1.0' Red Brown SILT to C-SAND and GRAVEL, moist, no odor	
7-9	21, 23, 33, 29	1.1	0.0	0.0' - 0.2' Red Brown SILT to C-SAND and GRAVEL, saturated, no odor 0.2' - 0.5' Red Brown SILT to C-SAND with some gravel, moist, no odor 0.5' - 1.1' Red Brown SILT to C-SAND with some gravel and rock debris,dry, no odor	
9-11	15, 22, 20,39	2.4	0.0	0.0' - 2.4' Red Brown M-C SAND with some F-sand and little silt, saturated, no odor	11.0

Samples: B2 - VOCs, SVOCs and ETPH collected from the 7'-9' interval
Duplicate VOC sample collected and labled B2A

Geologic Symbols:

Silt & Sand

Silt, Sand & Gravel

Concrete Debris

Geologic Symbols:

Fine to coarse Sand and Gravel

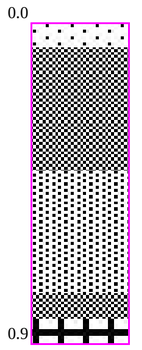
BORING LOG

Boring: B1
Brownfield: Mrtyle & Booth
Location: New Britain, CT.

Drilling Company: Glenn Drilling
Drillers: Roy Glenn
Drill Rig: Beaver Model B-3, using 2 1/4" I.D. augers & 2" O.D. split spoons

Date Started: March 16, 2000
Date Completed: March 16, 2000
TRC Inspector: L. Bane

Depth (feet)	Blow Counts (per 6")	Recovery (feet)	FID* (ppm)	Description	Lithology
1-3	20, 32, 18, 17	0.90	0.0	0.0' - 0.3' Brown F-C SAND and Gravel with asphalt debris 0.3' - 0.9' Brown F-C SAND with some silt and F-C gravel, dry no odor	
3-5	51, 62, 50/3"	0.30	0.0	0.0' - 0.3' Red Brown SILT and F-SAND with some M - C sand and gravel, moist, no odor	
5-7	32,90,91,93	1.80	0.0	0.0' - 0.65' Red Brown SILT and F-SAND with some M - C sand and gravel, very dense, moist, no odor 0.65' - 1.0' Red Brown SILT and F-SAND , very dense, dry, no odor 1.0' - 1.35' Red Brown SILT with F-C sand, moist, no odor 1.35' - 1.7' Red Brown SILT and F-SAND, dry no odor 1.7' - 1.8' Red Brown SILT with F-C sand, dry, no odor	
7-9	Not Recorded	2.10	15.0(1)	0.0' - 1.8' Red Brown SILT with F-sand, gravel and rock debris, saturated and slight petroleum odor at tip 1.8' - 2.1' Rock Debris	



Samples: B1 - VOCs, SVOCs & ETPH collected at 7'-9' interval

Notes:

(1) = FID reading of 15 ppm collected from soils at the tip of the spoon, rest of soil column had no FID response.

Geologic Symbols: