

SITE INVESTIGATION REPORT (SIR)

**176 Sunnyside Avenue
Woonsocket, Rhode Island
AEG Job No. 1415
RIDEM Case No. 2005-051**

June 2005



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1 INTRODUCTION

Alliance Environmental Group, Inc. (AEG) has completed this Site Investigation Report (SIR) for one parcel of land designated by the City of Woonsocket Assessor's Office as Map 3, Plat 7 located at 176 Sunnyside Avenue in Woonsocket, Rhode Island (hereinafter, "Site"). Soil and groundwater contamination were discovered on the Site during Site investigations conducted by Levine-Fricke (LFR) of Warwick, Rhode Island in October 2003 and January of 2004.

On May 6, 2005, AEG submitted on behalf of CKG Development Co., LLC. (the Site owner) a Notification of Release form (NR) to the Rhode Island Department of Environmental Management (RIDEM). This NR was submitted due to beryllium, lead, ethylbenzene, and total xylene Direct Exposure Criteria (DEC) exceedences in addition to ethylbenzene and toluene GB Groundwater Objective (GB-GWO) exceedences. A copy of the NR is attached as Attachment A – Release Notification Form

RIDEM issued a Letter of Responsibility (LOR) to Mr. Richard E. Kirby of CKG Development Co., LLC, dated May 31, 2005, which required a Site Investigation Report (SIR) in accordance with Section 7.0 of the *Remediation Regulations*. The objective of this SIR is to assess the integrity of groundwater and soils at the Site and to determine a method for remediation and/or future management of the Site. A copy of the LOR is attached as Attachment B – Letter of Responsibility.

In accordance with Section 7.07 of the *Remediation Regulations*, AEG notified all abutters of the Site to inform them of field activities to be performed at the Site. This notice was sent on June 27, 2005. A copy of each letter is included in Attachment C – Copy of the Notice to Abutters.

2 SITE OVERVIEW

The Site is located at 176 Sunnyside Avenue in Woonsocket, Rhode Island. A Site Locus Map, showing the location of the Site, is provided in Figure 1 – Locus Map, and a Site plan showing a generalized overview of the Site is provided in Figure 2 – Site Plan.

2.1 Site Parameters

Assessor's

Designation: According to the City of Woonsocket Tax Assessor's Office, the Site is designated as Plat 3, Lot 7.

Former UST

Storage: In September 2003, LFR prepared a Phase I Environmental Site Assessment (ESA) for the Site. According to the Phase I ESA, records pertaining to the storage of USTs at the Site were not found. However, historical information described further in this report identifies that the Site was occupied by a chemical company and possibly an oil company, which may have used USTs. A copy of the LFR Phase I is attached as Attachment D – LFR Phase I ESA.

Historical

Ownership

and Land Use: Historically the Site has been used for industrial/commercial purposes. A summary of ownership history was provided in the LFR Phase I ESA and is provided below.

| Owner | Date | Book/Page |
|--------------------------------|------------|--------------------|
| Plat 3, Lot 7 | | |
| George Lothrop | Not Found | Not Found |
| Douglas Farrar | 12/26/1919 | 107/231 113/298 |
| Farrar Lumber Company | 3/20/1920 | 438/113 |
| Woonsocket Color and Chemical | 3/16/1940 | 226/10 |
| B,L, & M Bottling Co. | 12/5/1978 | 482/17 |
| Pharma Realty | 10/30/1980 | 517/226 |
| Jerome W. Cahill (Two Parcels) | 8/27/1986 | 634/270 |
| CKG Development Co., LLC | 5/7/2003 | 1273/116 |

Acreage: According to the City of Woonsocket the Site is comprised of one lot and totals approximately 1.45 acres of land.

Ownership: Currently, CKG Development Co., is the owner of the Site.

Structures: Currently the Site is vacant and does not contain any structures. However, according to aerial photographs the Site historically contained

several buildings that comprised what was referred to as Woonsocket Color and Chemical Company.

Occupancy
& Use:

According to historical information provided within the LFR Phase I ESA the Site has been occupied by industrial/commercial facilities including a chemical company. Presently, the Site is vacant and there are no occupants.

Proposed
Future Use:

Currently, the Site is the proposed location of a residential development.

Utilities:

At present the Site is not developed but public sewer and water are available.

Vegetation:

The majority of the Site is vegetated with some trees, grasses and small bushes. A small dirt path runs through the Site and begins toward the southwest property boundary

Easements:

Easements were not found and not noted in the LFR Phase I ESA.

Surface Water:

There are no surface water bodies located on-Site. The nearest surface water body is the Blackstone River located approximately 1 mile northeast.

Sensitive
Environmental
Receptors:

According to a RIGIS map sensitive environmental receptors do not exist at the Site. Furthermore, wellhead protection areas, public water supplies, or other sensitive environmental receptors do not exist within one mile of the Site. The adjoining properties are connected to municipal water and sewer systems. A RIGIS Map with environmental data is presented as Figure 3 – RIGIS Map.

Existing
Environmental
Information:

The LFR Phase I ESA provided a file review conducted at RIDEM. According to reviewed files the Site is not included on State and/or Governmental environmental databases. A property that abuts the Site to the north is listed as an Emergency Response Notification System (ERNS) location. Historically this location was used for storage and use of chemicals. According to the LFR summary this location was subject to a fire in 1998. From then on remedial actions associated with the fire uncovered several USTs used for gasoline and diesel fuel storage. According to LFR, from approximately 1998 until present RIDEM has required the tanks be removed from the location and that a closure assessment be conducted. Several violation notices have been issued by

RIDEM, however, according to the LFR report the tanks remain at the location

2.2 Groundwater Classification

The groundwater classification for the Site, as referenced in the Groundwater Division of the RIDEM is GB, indicating groundwater that is not suitable for public or private drinking water use without prior treatment. There are not drinking water wells or wellhead protection areas within one mile of the Site. A Site-Specific RIGIS Environmental Data Map is presented as Figure 3 – RIGIS Map.

AEG reviewed the Flood Insurance Rate Maps (FIRM) on-line at the Federal Emergency Management Agency (FEMA) web site. The Site is located in Woonsocket, Rhode Island, and is included on FIRM Community Panel 445411-0001B, dated January 6, 1982. The FIRM map identifies the Site as being within Zone C, areas of minimal flooding.

2.3 Overburden Geology

According to information available from *Soil Survey of Rhode Island*¹, the overburden geology at the Site is as a combination of the Merrimac-urban land complex and urban land, which consists of well draining sand, specifically 8 inches of dark brown sandy loam, followed by 17 inches of yellowish brown and dark yellowish brown sandy loam.

Investigations at the Site have shown that groundwater is approximately between 9 and 12 feet below surface grade (BSG). Additionally, located toward the center of the Site remnants of foundation slabs were encountered.

2.4 Bedrock Geology

According to the Rhode Island Geographic Information System, the bedrock at the Site is part a Metasedimentary rock of the West and East Bay areas. During field investigations by AEG, test pits were advanced to approximately 15 feet BSG and bedrock was not encountered.

3 Records Review

3.1 Environmental Record Sources (Federal and State)

A public records search was conducted by LFR in a 2003 Phase I ESA. A copy of this report for review is provided in Attachment D – LFR Phase I ESA.

¹ *Soil Survey of Rhode Island*, United States Department of Agriculture, Soil Conservation Service in cooperation with Rhode Island Agriculture Experimental Station, July, 1981.

4 Historical Use Information on the Site and Surrounding Area

Historical research was conducted by LFR within a Phase I ESA attached as Attachment D – LFR Phase I ESA.

4.1 Sanborn Fire Insurance Maps

Typically, Sanborn Fire Insurance Maps are reviewed to determine past Site occupancy, and identify prior storage of oil or hazardous materials at the Site. Reportedly, Sanborn Fire Insurance Maps were available within the LFR Phase I ESA from: 1911, 1950, 1955, 1963, 1965, 1967, and 1970. In the 1911 map the Site appears undeveloped and the surrounding area is mainly comprised of residential properties with the exception of P.J. O'Donnell & Son, an industrial/commercial facility that abuts the Site to the north. In the remaining maps the Site appears developed by Woonsocket Color and Chemical Company. Overtime the surrounding area becomes increasingly developed with residential properties. Copies of the reviewed maps are available in the LFR Phase I ESA attached as Attachment D – LFR Phase I ESA.

4.2 Polk City Directories

Review of city directories by LFR indicate that the Site was occupied by Farrar Lumber Company from 1922 to 1939. In 1941 the Site is listed as storage. From 1944 to 1979 the directories list Woonsocket Color and Chemical as the occupant of the Site. Directories after 1979 list the Site as being vacant.

LFR also indicated that several oil companies occupied addresses in close proximity to the Site. LFR believed that some or all of the companies may have at one point occupied the Site. A copy of the LFR report displaying the above descriptions is attached as Attachment D – LFR Phase I ESA.

4.3 Aerial Photographs

Aerial photographs were also available within the LFR Phase I ESA from: 1939, 1951, 1962, 1972, 1981, and 1992. In the 1939 map the Site appears developed with industrial/commercial buildings. In 1951, the Site appears to contain other buildings associated with industrial/commercial activity. Later years continue to show development at the Site in the form of additional buildings. However, in the 1992 map the Site appears vacant. The surrounding area appears to be mainly developed with residential properties, however, located to the north of the Site industrial/commercial development is apparent. The aerial photographs can be viewed in Attachment D – LFR Phase I ESA.

5 BACKGROUND

In September of 2003 LFR completed a Phase I, which indicated the presence of recognized environmental conditions mainly based upon the historical industrial/commercial use of the Site. As a result, in October of 2004 LFR completed an initial subsurface investigation at the Site involving soil and groundwater. Based upon the results of the initial investigation LFR returned to the Site in January of 2004 to conduct additional investigation. Results of the investigations showed levels of lead, beryllium, ethylbenzene, toluene, and total xylenes above RIDEM DEC. In addition to soil exceedences LFR also sampled groundwater and found levels of ethylbenzene and toluene above applicable GB Groundwater Objectives.

Based upon the information attained from the LFR investigations AEG concluded that there was a risk of environmental impairment at the Site and that additional subsurface investigation should be completed.

As a result, AEG completed test pits at the Site in December of 2004 in an attempt to find a source of contamination.

Further explanation of the abovementioned background information is provided in the following sections.

7 LFR Subsurface Investigation – January 2004

7.1 Soils Analysis

7.1.1 Soil Borings

After the findings of the initial investigation, LFR conducted a second investigation in January of 2004 to further assess groundwater and soil throughout the Site. As a result, LFR advanced 13 borings to 4' BSG (B-1 through B-13) and an additional three, which were advanced into the groundwater table. The three deeper borings were completed as monitoring wells (MW-5 through MW-7). Location of each boring can be viewed on Figure 4 – LFR Boring Plan.

Soil samples were collected from the all borings between 0 and 4' BSG and from the 8'-12' range from MW-7. Based upon previous analytical results the collected samples were submitted for laboratory analysis of lead, arsenic, and beryllium.

According to the LFR report while advancing the deeper monitoring well borings, evidence of VOC impact was noted in MW-5 and MW-6 from depths between 8'-12' and 12'-16' BSG. Reportedly, soils collected from these depths at MW-5 and MW-6 exhibited a fuel odor. Furthermore, photo-ionization detector (PID) readings of total volatile organic vapor (TVOV) revealed 1,200 parts per million (ppm) and 3,750 ppm in the 8'-12' and 12'-16' ranges from MW-6, respectively. Therefore, LFR collected soil samples from MW-5, MW-6, and MW-7 for laboratory analysis of VOCs.

A copy of the LFR report showing the abovementioned descriptions including boring logs is attached as Attachment F – January 2004 LFR Subsurface Report.

7.1.2 Soil Boring Analytical Results

According to the analytical summary provided in the LFR report beryllium was detected above the RIDEM R-DEC in one sample (B-13). VOC analysis of the three submitted samples from MW-5, MW-6, and MW-7 between 8'-12' revealed ethylbenzene and total xylenes above RIDEM R-DEC. A summary of LFR soil analytical results is provided in table 7-1, following.

6 LFR Subsurface Investigation – October 2003

6.1 Soils Analysis

6.1.1 Soil Borings

On October 24, 2003, LFR provided oversight for the completion of four soil borings all of which were completed as groundwater monitoring wells (MW-1 through MW-4). According to the LFR report groundwater was encountered at depths ranging between 10 and 13 feet below surface grade (BSG). During the advancement of each boring, soil samples were collected continuously in four-foot intervals. Reportedly, one soil sample from the 0 to 4' BSG range was collected from each boring for laboratory analysis. Collected samples were submitted for the analysis of semivolatile organic compounds (SVOCs), volatile organic compounds (VOCs), and 13 Priority Pollutant Metals. In addition, two samples collected from MW-2 and MW-4 were analyzed for polychlorinated biphenyls (PCBs). Location of each boring can be reviewed in Figure 4 – LFR Boring Plan.

A copy of the LFR report showing the abovementioned descriptions including boring logs is attached as Attachment E – October 2003 LFR Subsurface Report.

6.1.2 Soil Boring Analytical Results

According to the analytical summary provided in the LFR report lead and beryllium were detected above the RIDEM Residential Direct Exposure Criteria (R-DEC). A summary of LFR soil analytical results is provided in table 6-1, following.

| Table 6-1 LFR Soil Analytical Summary October 2003 | | | | | |
|---|----------------|----------------|----------------|----------------|-------------------------|
| Target Analyte | MW-1 (0-4') | MW-2 (0-4') | MW-3 (0-4') | MW-4 (0-4') | RIDEM R-DEC/ I/C-DEC |
| SVOCs | ND | ND | ND | ND | Various Standards |
| PCBs | NA | ND | NA | ND | 10 |
| Metals | | | | | |
| Arsenic | 3.59 | ND | ND | 3.57 | 7.0/7.0 |
| Beryllium | 0.54 | 0.15 | 0.21 | 0.15 | 0.4/1.3 |
| Cadmium | 1.05 | 0.08 | 0.10 | 0.17 | 39/1,000 |
| Chromium | 19.2 | 3.42 | 14.4 | 5.56 | 390/10,000 |
| Copper | 14.6 | 4.39 | 3.93 | 7.22 | 3,100/10,000 |
| Lead | 234 | ND | 12.0 | 66.4 | 150/500 |
| Mercury | 0.10 | ND | ND | 0.063 | 23/610 |
| Nickel | 7.64 | 3.90 | 2.94 | 3.30 | 1,000/10,000 |
| Zinc | 512 | 10.7 | 15.2 | 48.1 | 6,000/10,000 |
| VOCs | ND | ND | ND | ND | Various Standards |
| Notes: | | | | | |
| 1. Unites: mg/Kg | | | | | |
| 2. ND: Not detected above the laboratory method reporting limit | | | | | |
| 3. NA: Not analyzed. | | | | | |
| 4. RIDEM R-DEC and I/C-DEC as defined in Section 8.02 of the <i>Remediation Regulations</i> . | | | | | |
| 5. Bold indicates a concentration above a RIDEM R-DEC | | | | | |

6.2 Groundwater Analysis

Groundwater samples were collected by LFR during this investigation from each of the installed wells for laboratory analysis of VOCs. During the sampling the wells were observed for the presence of separate phase product, which was not found. Results of the testing revealed one well (MW-3) contained levels of ethylbenzene above the applicable RIDEM GB Groundwater Objective. A summary of LFR groundwater analytical results is provided in table 6-2, following.

A copy of the LFR report showing the abovementioned descriptions including boring logs is attached as Attachment E – October 2003 LFR Subsurface Report.

| Table 6-2 LFR Groundwater Analytical Summary October 2003 | | | | | |
|---|------|------|-------------|------|---------------------------------------|
| Target Analyte | MW-1 | MW-2 | MW-3 | MW-4 | RIDEM GB Groundwater Objectives |
| VOCs | | | | | |
| Benzene | ND | ND | 0.012 | ND | 0.14 |
| n-Butylbenzene | ND | ND | 0.0152 | ND | NS |
| Ethylbenzene | ND | ND | 9.52 | ND | 1.6 |
| Isopropylbenzene | ND | ND | 0.116 | ND | NS |
| p-isopropyltoluene | ND | ND | 0.0252 | ND | NS |
| Naphthalene | ND | ND | 0.0486 | ND | NS |
| n-propylbenzene | ND | ND | 0.0816 | ND | NS |
| Toluene | ND | ND | 1.12 | ND | 1.7 |
| 1,2,4-trimethylbenzene | ND | ND | 1.13 | ND | NS |
| 1,3,5- trimethylbenzene | ND | ND | 0.418 | ND | NS |
| Total Xylenes | ND | ND | 154 | ND | NS |
| 1. Units: mg/L 2. ND: Not detected above the laboratory method reporting limit 3. NA: Not analyzed. 4. RIDEM GB Groundwater Objectives as defined in Section 8.03 of the <i>Remediation Regulations</i> . 5. Bold indicates a concentration above a RIDEM GB-GWO | | | | | |

Table 7-1
LFR Soil Analytical Summary
January 2004

| Target Analyte | B-1 (0-4') | B-2 (0-4') | B-3 (0-4') | B-4 (0-4') | B-5 (0-4') | B-6 (0-4') | B-7 (0-4') | B-8 (0-4') | B-9 (0-4') | B-10 (0-4') | B-11 (0-4') | B-12 (0-4') | B-13 (0-4') | MW-5 (0-4') | MW-5 (8-12') | MW-6 (0-4') | MW-6 (8-12') | MW-7 (0-4') | MW-7 (8-12') | RIDEM R-DEC/ I/C-DEC | |
|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|-------------------------|---------|
| Metals | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | 3.60 | 4.46 | 3.35 | ND | ND | 1.60 | ND | ND | ND | 4.14 | 4.91 | 3.72 | 2.34 | 2.02 | NA | 2.39 | NA | 1.69 | 1.76 | 7.0/7.0 | |
| Beryllium | 0.21 | 0.15 | 0.19 | ND | 0.12 | 0.12 | 0.15 | 0.14 | ND | 0.30 | 0.38 | 0.14 | 0.66 | 0.16 | NA | 0.18 | NA | 0.15 | 0.27 | 0.4/1.3 | |
| Lead | 12.0 | 25.2 | 24.0 | ND | ND | 2.82 | ND | ND | ND | 29.8 | 33.4 | 3.75 | 4.94 | 26.7 | NA | 22.2 | NA | 18.9 | ND | 150/500 | |
| VOCs | | | | | | | | | | | | | | | | | | | | | |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | NA | 0.096 | NA | NA | ND | 2.5/200 |
| n-Butylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.02 | NA | 1.75 | NA | NA | ND | NS |
| sec-Butylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.690 | NA | 2.44 | NA | NA | ND | NS |
| tert-Butylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.090 | NA | 0.182 | NA | NA | ND | NS |
| 1,2-Dichlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | NA | ND | NA | NA | 35.6 | NS |
| 1,3-Dichlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.043 | NA | ND | NA | NA | ND | NS |
| 1,4-Dichlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.104 | NA | ND | NA | 6.33 | NS | |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.59 | NA | 634 | NA | 7.16 | 71/10,000 | |
| Isopropylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.263 | NA | 25.8 | NA | ND | 27/10,000 | |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.77 | NA | 1.94 | NA | 5.83 | NS | |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.751 | NA | 9.90 | NA | ND | 54/10,000 | |
| n-Propylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.640 | NA | 7.33 | NA | ND | NS | |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.096 | NA | 56.1 | NA | ND | 190/10,000 | |
| 1,2,3-Trichlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | NA | ND | NA | 21.9 | NS | |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.080 | NA | ND | NA | 75.0 | NS | |
| 1,2,4-Trimethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 9.19 | NA | 71.4 | NA | 5.72 | NS | |
| 1,3,5-Trimethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3.72 | NA | 33.1 | NA | ND | NS | |
| Total Xylenes | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.75 | NA | 2,359 | NA | 24.6 | 110/10,000 | |

Notes:

1. Unites: mg/Kg
2. ND: Not detected above the laboratory method reporting limit
3. NA: Not analyzed.
4. RIDEM R-DEC and I/C-DEC as defined in Section 8.02 of the Remediation Regulations.
5. **Bold** indicates a concentration above a RIDEM R-DEC



7.2 Groundwater Analysis

Groundwater samples were collected by LFR during this investigation from each of the installed wells for laboratory analysis of VOCs. During the sampling the wells were observed for the presence of separate phase product, which was not found. Results of the testing revealed one well (MW-6) contained levels of ethylbenzene and toluene above applicable RIDEM GB Groundwater Objectives. A summary of LFR groundwater analytical results is provided in table 6-2, following.

A copy of the LFR report showing the abovementioned descriptions including boring logs is attached as Attachment F – January 2004 LFR Subsurface Report.

| Table 7-2 LFR Groundwater Analytical Summary January 2004 | | | | |
|---|--------|-------------|--------|---------------------------------|
| Target Analyte | MW-5 | MW-6 | MW-7 | RIDEM GB Groundwater Objectives |
| VOCs | | | | |
| Benzene | 0.0056 | 0.0324 | ND | 0.14 |
| n-Butylbenzene | 0.004 | 0.0076 | ND | NS |
| sec-Butylbenzene | ND | 0.0045 | ND | NS |
| Chlorobenzene | 0.0143 | ND | ND | 3.2 |
| 1,2-Dichlorobenzene | 0.0442 | ND | 0.0015 | NS |
| 1,3-Dichlorobenzene | 0.128 | ND | ND | NS |
| 1,4-Dichlorobenzene | 0.313 | ND | ND | NS |
| Ethylbenzene | 1.44 | 12.9 | ND | 1.6 |
| Isopropylbenzene | 0.011 | 0.235 | ND | NS |
| p-isopropyltoluene | 0.0108 | 0.0082 | ND | NS |
| Naphthalene | 0.0068 | 0.099 | ND | NS |
| n-propylbenzene | 0.0105 | 0.0852 | 0.009 | NS |
| Tetrachloroethene | ND | ND | 0.008 | 0.15 |
| Toluene | 0.0834 | 3.4 | ND | 1.7 |
| 1,2,3-Trichlorobenzene | ND | ND | 0.0809 | NS |
| 1,2,4- Trichlorobenzene | ND | ND | 0.0502 | NS |
| 1,2,4-Trimethylbenzene | 0.151 | 0.550 | ND | NS |
| 1,3,5-Trimethylbenzene | 0.0756 | 0.246 | ND | NS |
| Total Xylenes | 3.12 | 57.1 | 0.0011 | NS |
| 1. Units: mg/L 2. ND: Not detected above the laboratory method reporting limit 3. NA: Not analyzed. 4. RIDEM GB Groundwater Objectives as defined in Section 8.03 of the <i>Remediation Regulations</i> . 5. Bold indicates a concentration above a RIDEM GB-GWO | | | | |



8 AEG Groundwater Elevation Survey – May 2004

Based upon the groundwater results identified in the LFR reports AEG conducted a groundwater survey at the Site in June of 2004 to better understand the flow direction of groundwater at the Site.

Survey information provided below in Table 8-1 was used in Surfer 7.0® to generate a groundwater contour map. This map indicates groundwater at the Site is flowing in an east to northeast direction. The groundwater contour map is presented as Figure 5 – Groundwater Contour Map.

| Table 8-1 Groundwater Field Screening and Survey Results May 21, 2004 | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|
| | MW-1 | MW-2 | MW-3 | MW-4 | MW-5 | MW-6 | MW-7 |
| Groundwater Survey | | | | | | | |
| Depth to Groundwater (ft.) | 8.0 | 10.57 | 12.69 | 28.25 | 10.2 | 8.39 | 10.85 |
| Elevation of Well Casing (ft.) | 95.94 | 100* | 94.46 | 94.15 | 95.97 | 96.15 | 97.71 |
| Groundwater Elevation (ft.) | 87.94 | 89.43 | 81.77 | 65.90 | 85.77 | 87.76 | 86.86 |
| *Note: the top of the well casing at MW-2 was used as an assumed benchmark with an elevation of 100.00. | | | | | | | |

In addition to contouring groundwater, the survey information and LFR groundwater results were used in Surfer 7.0® to generate a contaminant flow direction for ethylbenzene. This contour provided as Figure 6 – Ethylbenzene Contour Map, shows ethylbenzene concentrations being highest at MW-6 and traveling in the direction of groundwater flow toward MW-5 and MW-3.

9 AEG Test Pitting – December 2004

On December 22, 2004, under the direction of AEG, test pits were completed to further explore subsurface conditions at the Site. The purpose of this assessment was to identify a possible source or groundwater and soil contamination. A total of 10 test pits (TP-1 through TP-10) were completed at the Site. Locations of the test pits were concentrated in the areas of MW-3, MW-5, and MW-6. A plan showing the location of each test pit is attached as Figure 7 – Test Pit Plan.

At each test pit location soil observations were taken and an attempt to reach the capillary fringe was made. Typically throughout the Site the top two feet BSG consisted of a coarse to medium gravel intermingled with coarse sands. Below this layer slightly silty sands with some gravel was encountered. Upon entering the capillary fringe (approximately between 7 and 12 feet BSG) at each test pit (capillary fringe not encountered at TP-9 and TP-10) petroleum impacted soil was encountered. Soils in this layer were black in color and displayed obvious visual and olfactory signs of impact. Logs showing the observations noted in the filed are provided in Attachment G – Test Pit Logs.

To gauge the level of impact, soil samples were collected from each test pit advanced to the capillary fringe and screened for total volatile organic vapor (TVOV) with a photo-ionization detector (PID). Screening results are summarized below in Table 9-1, following. Additionally, a plan showing the location of each sample collected and screening result is attached as Figure 7 – Test Pit Plan.

Table 9-1
Capillary Fringe Soil PID Screening Results
December 22, 2004

| | TP-1 (9') | TP-1A (9') | TP-1B (7') | TP-1C (9') | TP-2 (10') | TP-3 (9') | TP-5 (12') | TP-6 (10') | TP-7 (9') | TP-7A (10') | TP-7B (9') | TP-7C (10') | TP-7D (10') | TP-7E (10') | TP-8 (12.5') |
|------------|--------------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|--------------|----------------|---------------|----------------|----------------|----------------|-----------------|
| TVOC (ppm) | 771 | 881 | 813 | 995 | 441 | 475 | ND | 677 | 7.5 | 87 | 301 | 277 | 296 | 170 | 190 |

Notes:

1. Units in parts per million (ppm)
2. ND: Sample result <1 ppm

Results of PID screening show that the most concentrated levels of TVOV are situated in the vicinity of MW-6 (boring historically identified to contain elevated levels of ethylbenzene in soil and groundwater). PID screening results were used in Surfer 7.0® to generate a contour that would illustrate a possible source area of groundwater contamination. This contour (provided as Figure 8 – TVOC Contour Map) shows the most elevated TVOV levels recorded from the capillary fringe are located within an area surrounding MW-6.

Based upon groundwater flow being in an east to northeast direction, previous LFR analytical results from the Site, and various contour plans, it appears the potential source of contamination at the Site is situated around MW-6.

10 FINDINGS AND CONCLUSIONS

Environmental conditions at the Site were evaluated in a manner consistent with applicable guidelines presented in the RIDEM *Remediation Regulations*. The objective of this SIR was to define Site conditions as they relate to soils and groundwater in order to determine if contamination exists and, if found, propose a method of managing it. The following presents the findings and recommendations from this Site Investigation.

Several investigations have been conducted at the Site and based upon groundwater flow to the east, previous LFR analytical results from the Site, and various contour plans, it appears the potential source of contamination at the Site is situated near MW-6.

10.1 Remedial Alternatives

Subsurface investigations conducted at the Site investigated both soil and groundwater. Results of the investigations show beryllium, lead, ethylbenzene, and total xylenes above RIDEM R-DECs. However, the results are below I/C-DECs. Groundwater sampling has shown the presence of ethylbenzene and toluene above applicable RIDEM GB-GWOs. Additionally, groundwater and TVOV contouring has shown a possible source area to be situated around the area of MW-6. Based on the information presented herein, the proposed residential use of the Site, and subject to the limitations of the proposed Scope of Services, the following remedial alternatives have been considered.

1. **No Action** – Based upon the exceedences of both R-DECs and GB-GWOs the source area identified in the area surrounding MW-6 presents a risk of further environmental impairment at the Site. Therefore, response actions are recommended at the Site and the “no action” alternative is not the preferred alternative.
2. **Groundwater Treatment System, Soil Cap, and Implementation of an Environmental Land Use Restriction (ELUR)** – Although a soil cap is recommended to isolate the potential for direct contact with contaminated soils, installation of a groundwater treatment system would not be cost effective because the contamination identified is in a relatively isolated area. Additionally the compounds identified readily breakdown naturally in the environment.
3. **Source Removal, Groundwater Monitoring, Soil Cap, and Implementation of an Environmental Land Use Restriction (ELUR)** – Based upon the findings of the investigations conducted at the Site it appears the source area is relatively small, isolated to the capillary fringe, and in the area of MW-6. Removal of the source area would most likely be an efficient approach to eliminating further environmental impairment. Once the source area has been removed and properly dispose off-Site, AEG recommends sampling of wells GW-3, GW-5, GW- 6, and GW-7 semi-annually for one year to document decreasing VOC levels. Following source removal and groundwater monitoring a department approved soil cap will be installed at the Site to control direct exposure. Additionally, any proposed buildings will be built as a slab-on-grade and foundations will be equipped with a vapor barrier. Finally, in order to maintain said engineered controls an ELUR will be filed at the Site

Based upon the above-mentioned alternatives, AEG recommends alternative #3 be considered for the Site

11 Limitations

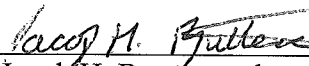
The data compiled during this investigation was obtained from monitoring wells and soil borings installed on the Site by another environmental consultant. An independent laboratory performed laboratory analysis. We believe that the wells and soil borings were spaced to obtain a reasonably accurate picture of subsurface conditions. Variations in the subsurface conditions are always possible. Due to latent conditions and other contingencies, which may become evident in the future, the current assessment does not result in any guarantee the subject Site is free and clear of hazardous materials other than those identified. Should additional surface, subsurface or chemical data become available, the conclusions and recommendations contained in this report shall not be considered valid unless they are modified or approved in writing by our office. We believe this investigation was conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the locality of the project. No warranty, express or implied, is made.

12 CERTIFICATIONS

I hereby certify that the information contained within this Site Investigation Report is complete and accurate to the best of my knowledge.

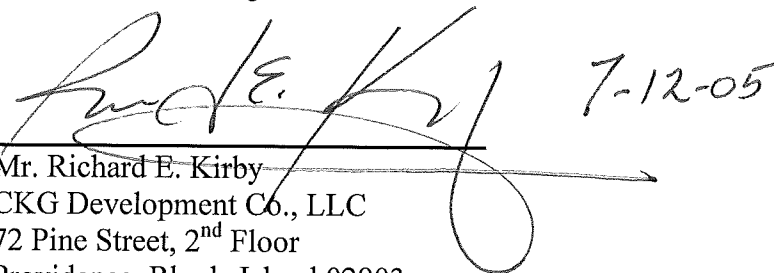


Richard C. Hittinger, MS
President
Alliance Environmental Group, Inc.



Jacob H. Butterworth
Environmental Scientist
Alliance Environmental Group, Inc.

I hereby certify that the report is a complete and accurate representation of the contaminated Site and release, and contains all known facts surrounding the release to the best of my knowledge.



7-12-05

Mr. Richard E. Kirby
CKG Development Co., LLC
72 Pine Street, 2nd Floor
Providence, Rhode Island 02903

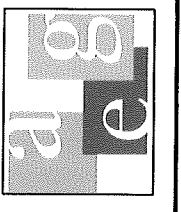
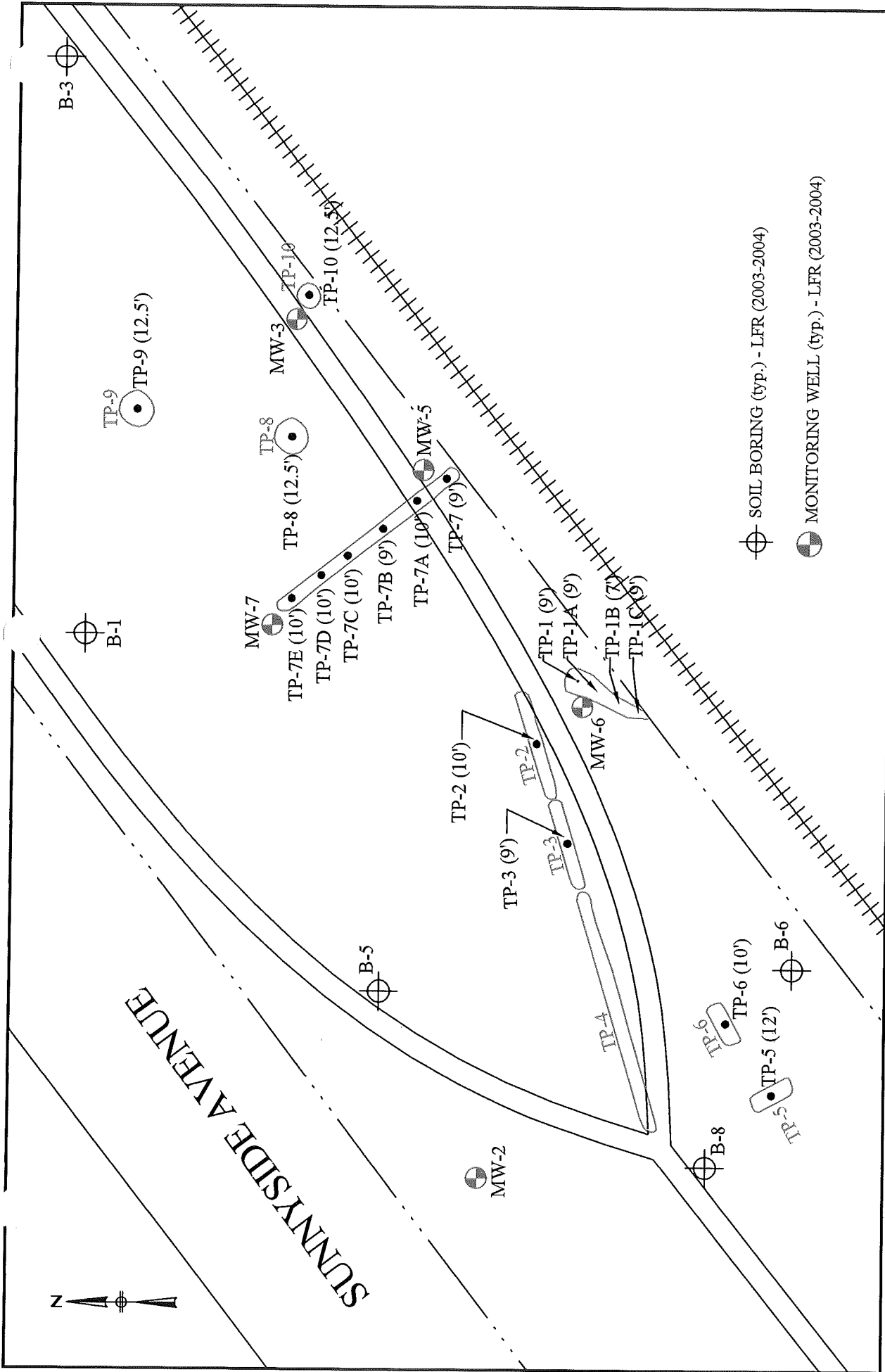


Alliance Environmental Group, Inc.
 100 Jefferson Boulevard, Warwick RI 02888
 Telephone: 401.732.7600; Fax: 401.732.7670



FIGURE 1: USGS LOCUS MAP
 176 SUNNYSIDE AVENUE
 WOONSOCKET, RHODE ISLAND
 AEG Proj. # 1415

File: Figures.dwg Drawn by: JP Checked by: RCH



NOTES:
 1. BASE MAP PROVIDED BY LFR.

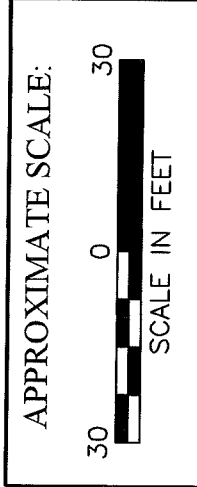
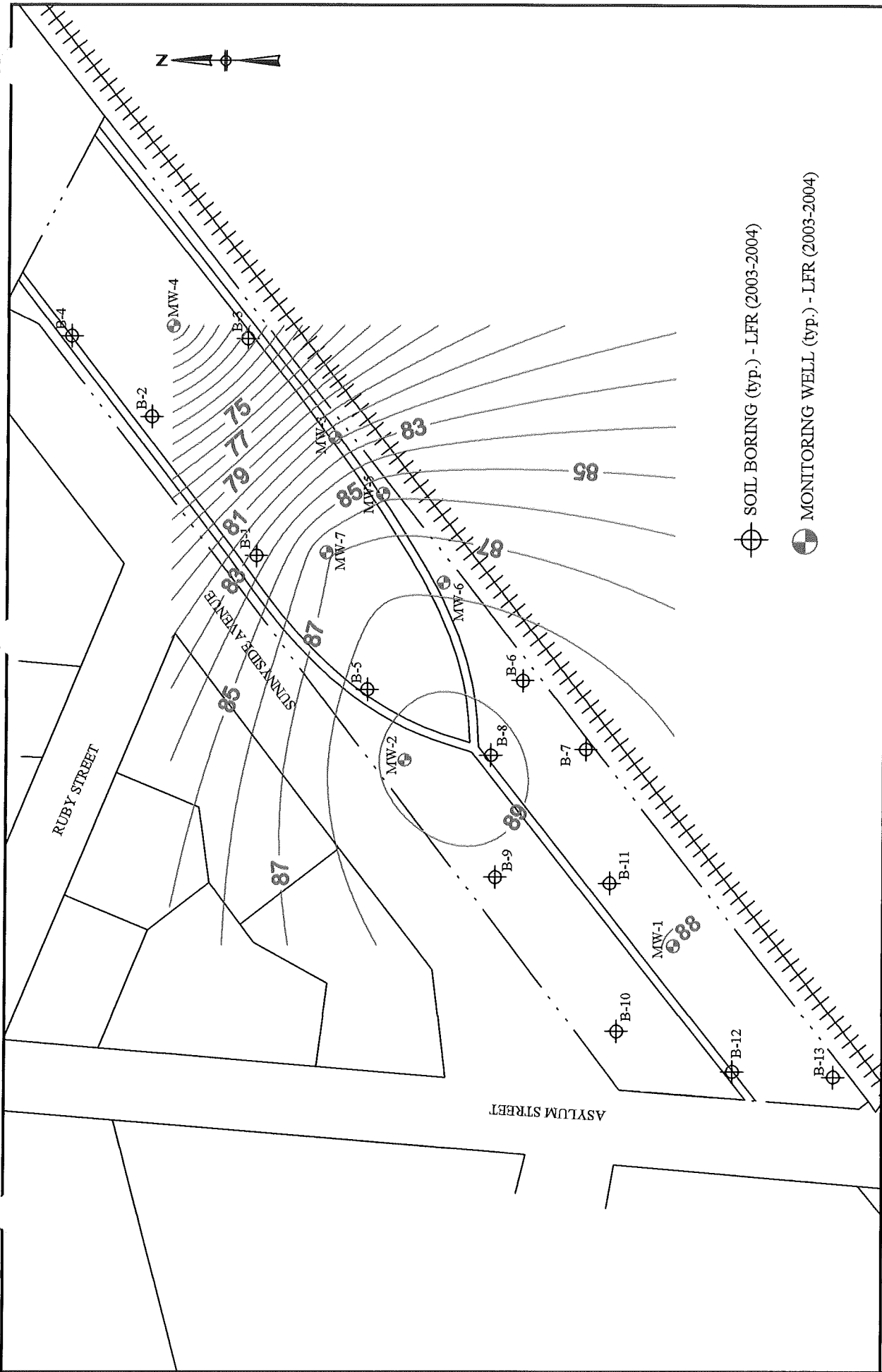


FIGURE 7: TEST PIT PLAN
 176 SUNNYSIDE AVENUE
 WOONSOCKET RHODE ISLAND
 AEG Proj. 1415

File: SITEPLANS.dwg Drawn by: JHB Checked by: RCH

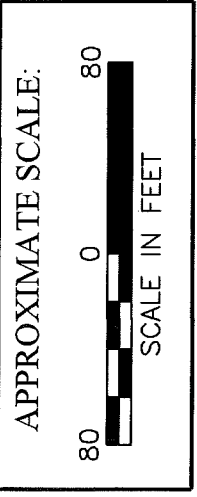


⊕ SOIL BORING (typ.) - LFR (2003-2004)

⊗ MONITORING WELL (typ.) - LFR (2003-2004)

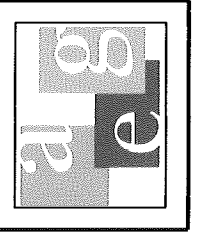
FIGURE 5: GROUNDWATER CONTOUR MAP
 176 SUNNYSIDE AVENUE
 WOONSOCKET RHODE ISLAND
 AEG Proj. 1415

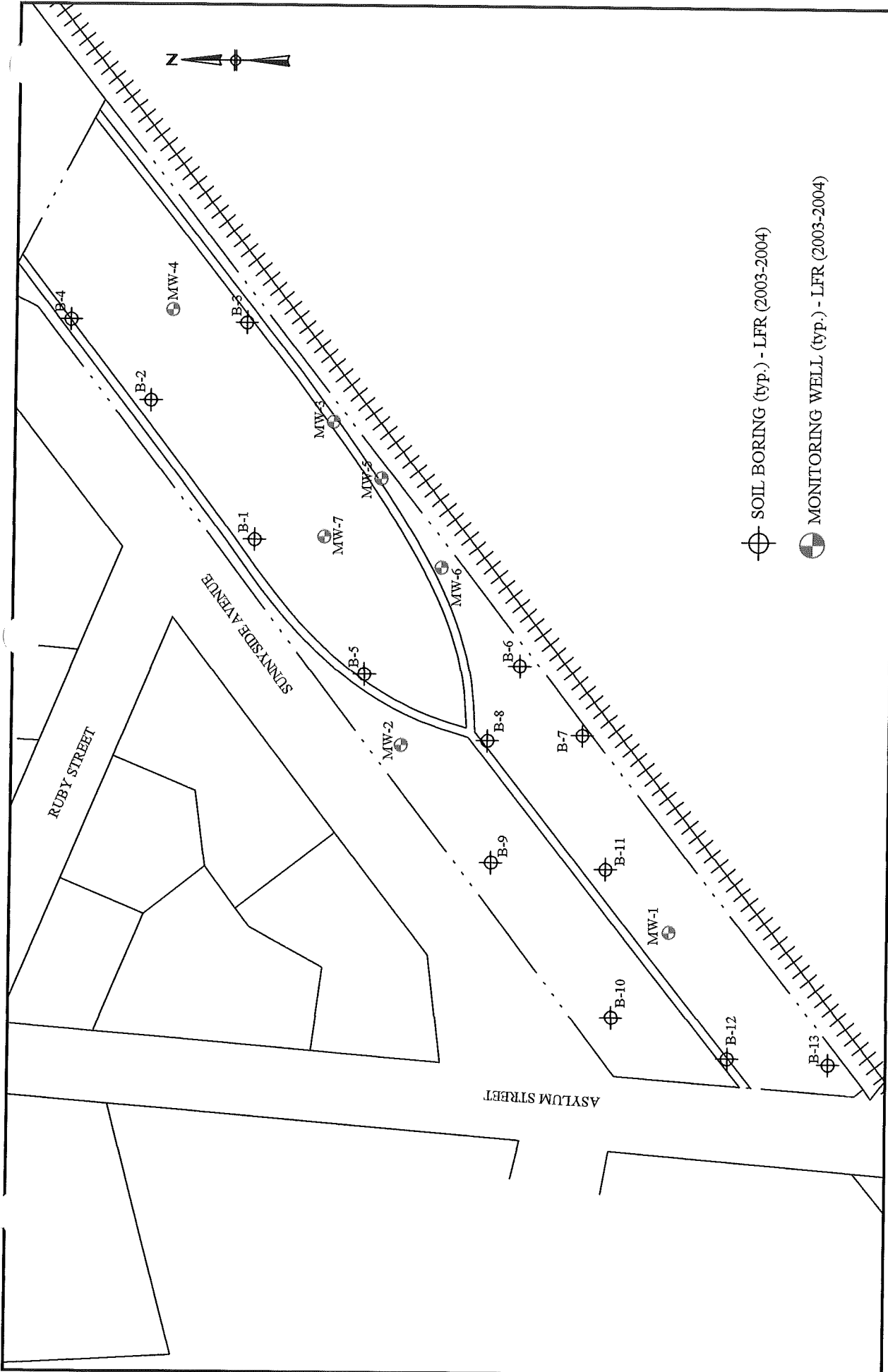
File: SITEPLANS.dwg Drawn by: JHB Checked by: RCH



NOTES:

1. BASE MAP PROVIDED BY LFR.
2. GROUNDWATER CONTOUR CALCULATED USING SURFER ©7.0.





⊕ SOIL BORING (typ.) - LFR (2003-2004)

◐ MONITORING WELL (typ.) - LFR (2003-2004)

NOTES:

1. BASE MAP PROVIDED BY LFR.

APPROXIMATE SCALE:

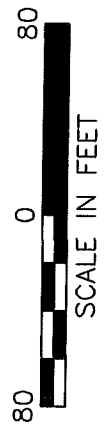
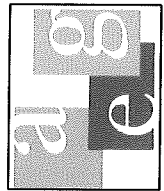
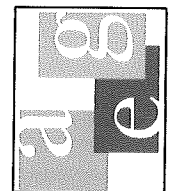
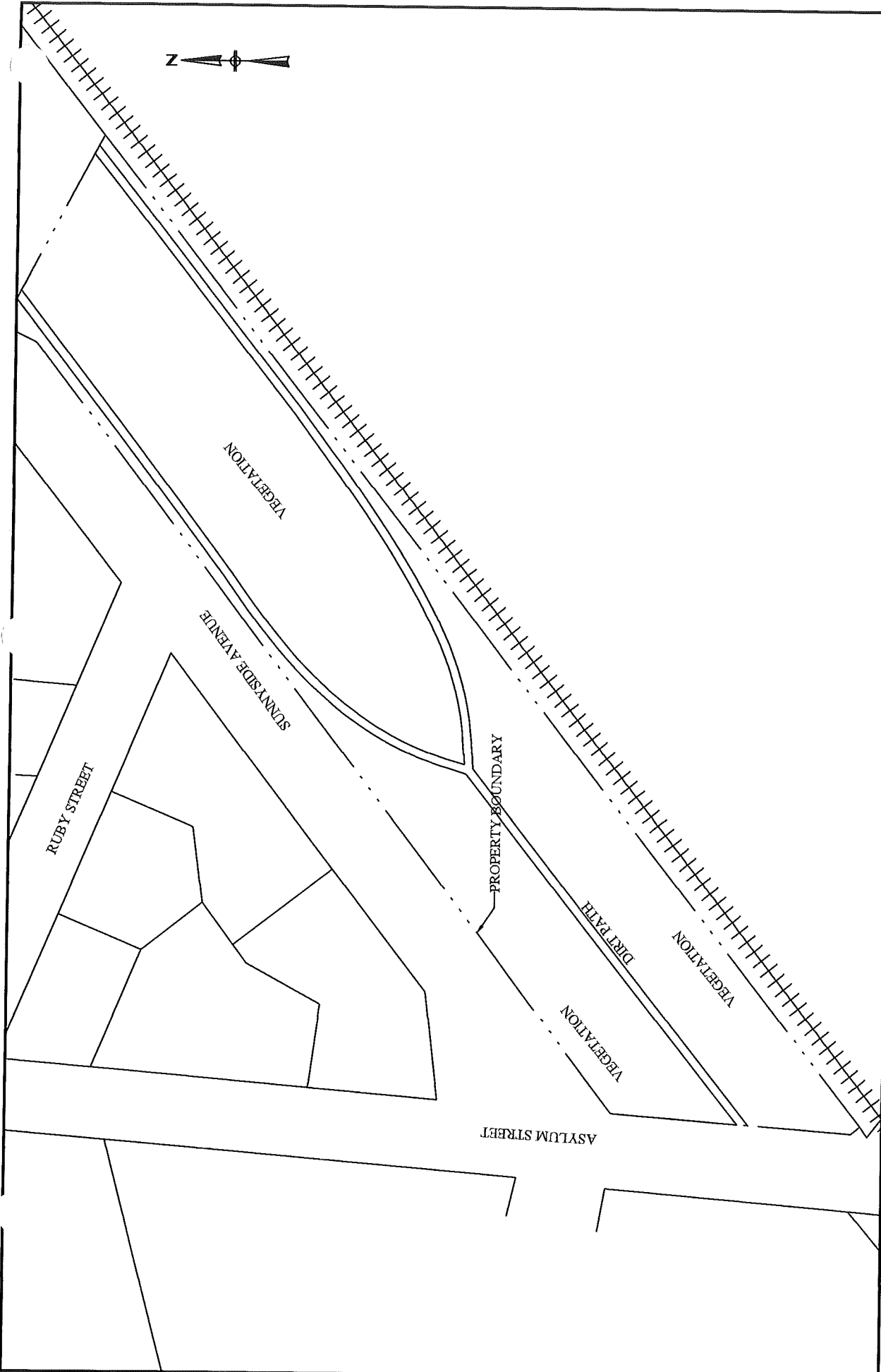


FIGURE 4: LFR BORING PLAN
 176 SUNNYSIDE AVENUE
 WOONSOCKET, RHODE ISLAND
 AEG Proj. 1415

File: SITEPLANS.dwg Drawn by: JHB Checked by: RCH





NOTES:
 1. BASE MAP PROVIDED BY LFR.

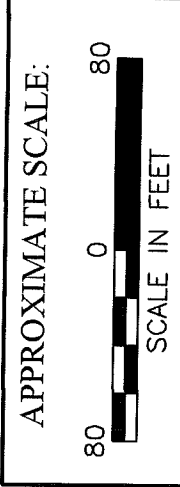
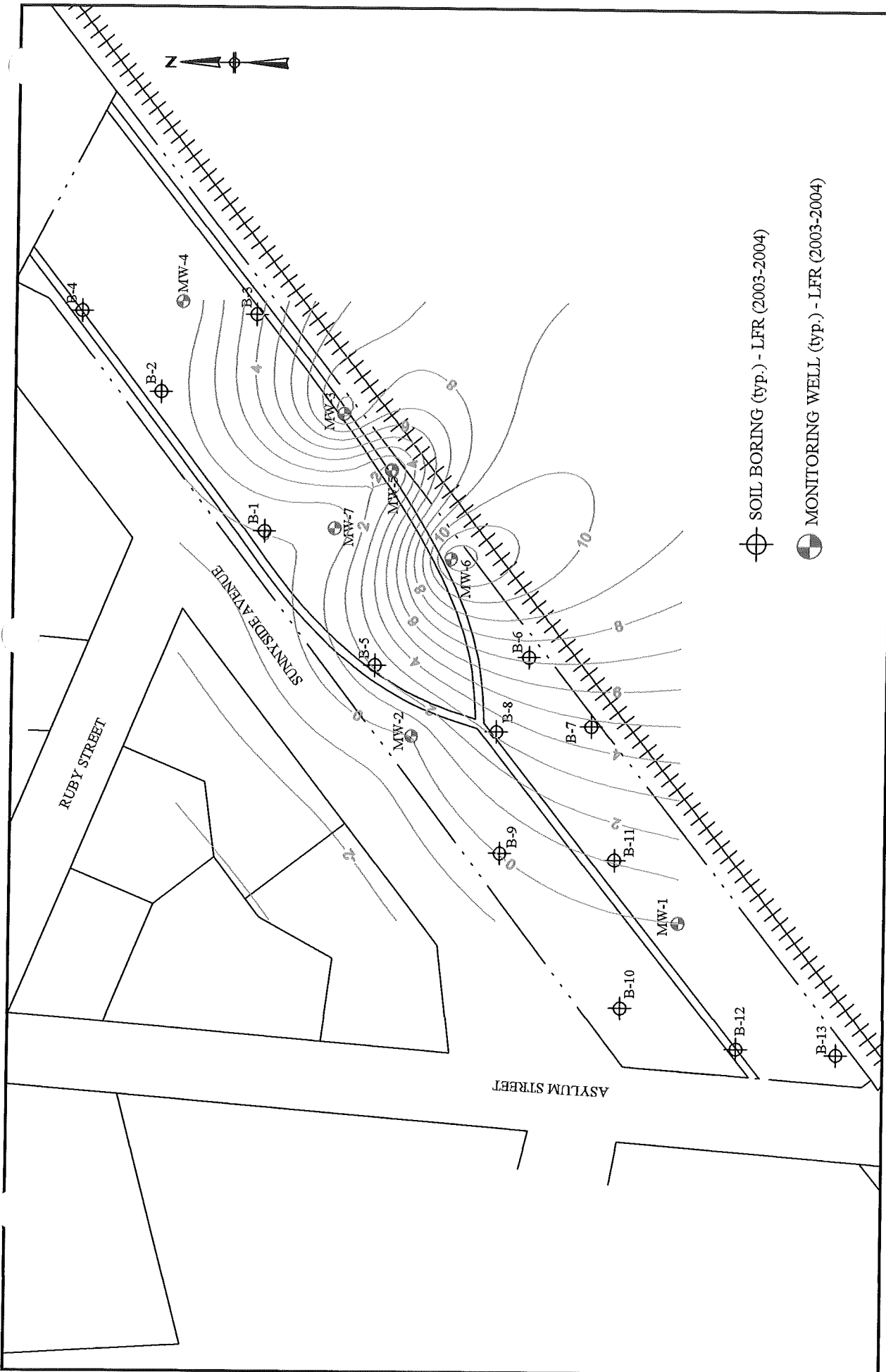


FIGURE 2: SITE PLAN
 176 SUNNYSIDE AVENUE
 WOONSOCKET, RHODE ISLAND
 AEG Proj. 1415

File: SITEPLANS.dwg Drawn by: JHB Checked by: RCH

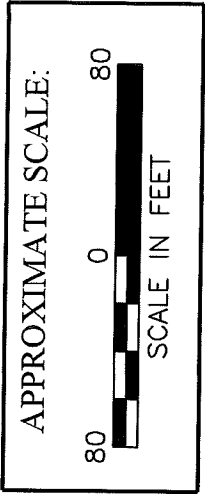


⊕ SOIL BORING (typ.) - LFR (2003-2004)

⊗ MONITORING WELL (typ.) - LFR (2003-2004)

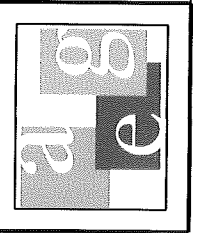
FIGURE 6: ETHYLBENZENE CONTOUR MAP
 176 SUNNYSIDE AVENUE
 WOONSOCKET RHODE ISLAND
 AEG Proj. 1415

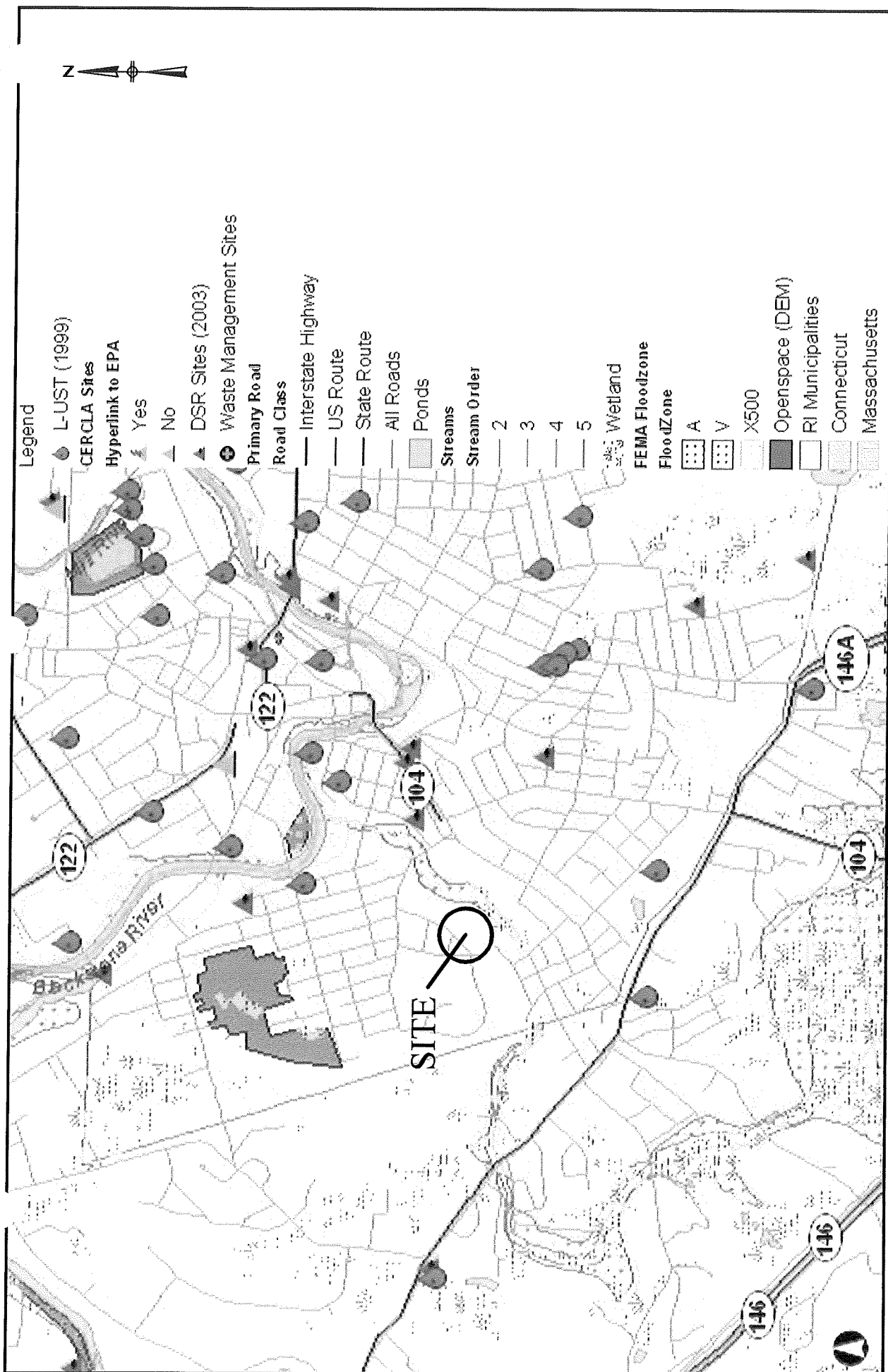
File: SITEPLANS.dwg Drawn by: JHB Checked by: RCH



NOTES:

1. BASE MAP PROVIDED BY LFR.
2. ETHYLBENZENE CONTOUR CALCULATED USING SURFER @7.0.





Legend

- L-UST (1999)
- CERCLA Sites
- Hyperlink to EPA
 - Yes
 - No
- ▲ DSR Sites (2003)
- ⊕ Waste Management Sites
- Primary Road
- Road Class
 - Interstate Highway
 - US Route
 - State Route
 - All Roads
- ▭ Ponds
- Streams
- Stream Order
 - 2
 - 3
 - 4
 - 5
- Wetland
- FEMA Floodzone
 - FloodZone
 - A
 - V
 - X500
 - Openspace (DEM)
 - RI Municipalities
 - Connecticut
 - Massachusetts

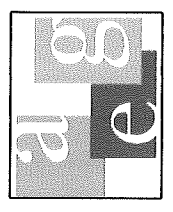
NOTES:
 BASE MAP PROVIDED BY RHODE ISLAND
 DEPARTMENT OF ENVIRONMENTAL
 MANAGEMENT.

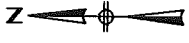
APPROXIMATE SCALE:

 NA

FIGURE 3: RIGIS MAP
 176 SUNNYSIDE AVENUE
 WOONSOCKET, RHODE ISLAND
 AEG Proj. 1415

File: Figures.dwg Drawn by: JP Checked by: RCH





SUNNYSIDE AVENUE

B-3

TP-9
● TP-9 (12.5')

MW-3

TP-10 (12.5')

TP-8

TP-8 (12.5')

MW-7

TP-7E (10')

TP-7D (10')

TP-7C (10')

TP-7B (9')

TP-7A (10')

TP-2 (10')

MW-2

TP-3 (9')

TP-2

TP-1 (9')

TP-1A (9')

TP-1B (7')

TP-1S (9')

MW-6

TP-7

TP-7

TP-7

TP-7

TP-7

TP-7

TP-7

TP-7

B-1

B-5

B-8

TP-6
● TP-6 (10')

TP-5
● TP-5 (12')

B-6

SOIL BORING (typ.) - LFR (2003-2004)

MONITORING WELL (typ.) - LFR (2003-2004)

TP-# TEST PIT (typ.)

○ LIMIT OF TEST PIT (typ.)

● SAMPLE LOCATION (typ.)

NOTES:

1. BASE MAP PROVIDED BY LFR.
2. TVOC CONTOUR CALCULATED USING SURFER @7.0.

APPROXIMATE SCALE:

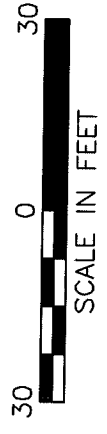


FIGURE 8: PID HEADSPACE RESULTS
 CONTOUR MAP
 176 SUNNYSIDE AVENUE
 WOONSOCKET RHODE ISLAND
 AEG Proj. 1415

File: SITEPLANS.dwg Drawn by: JHB Checked by: RCH

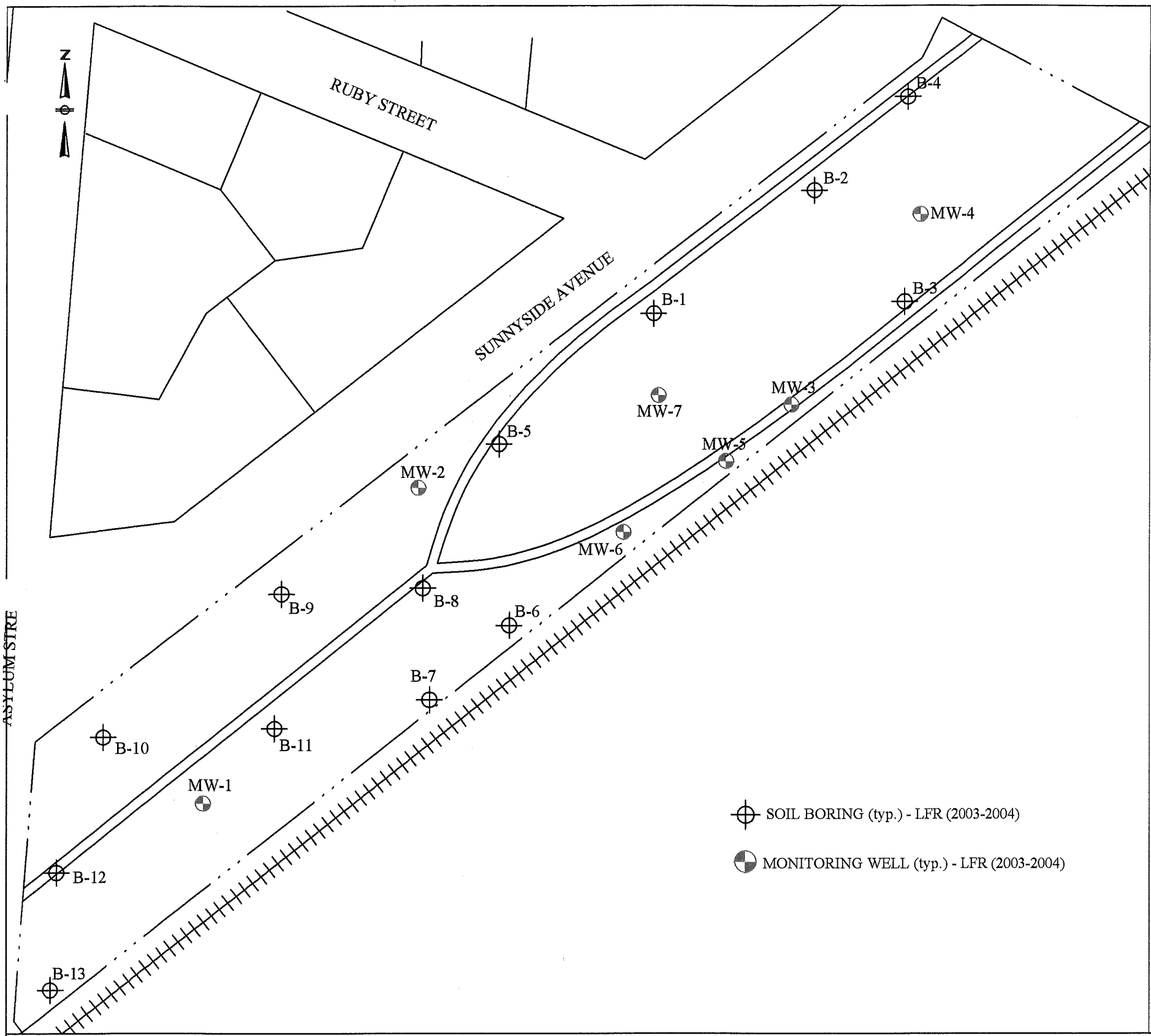


Table 6-1
LFR Soil Analytical Summary
October 2003

| Target Analyte | MW-1 (0-4') | MW-2 (0-4') | MW-3 (0-4') | MW-4 (0-4') | RIDEM R-DEC/ I/C-DEC |
|----------------|----------------|----------------|----------------|----------------|-------------------------|
| SVOCs | ND | ND | ND | ND | Various Standards |
| PCBs | NA | ND | NA | ND | 10 |
| Metals | | | | | |
| Arsenic | 3.59 | ND | ND | 3.57 | 7.0/7.0 |
| Beryllium | 0.54 | 0.15 | 0.21 | 0.15 | 0.4/1.3 |
| Cadmium | 1.05 | 0.08 | 0.10 | 0.17 | 39/1,000 |
| Chromium | 19.2 | 3.42 | 14.4 | 5.56 | 390/10,000 |
| Copper | 14.6 | 4.39 | 3.93 | 7.22 | 3,100/10,000 |
| Lead | 234 | ND | 12.0 | 66.4 | 150/500 |
| Mercury | 0.10 | ND | ND | 0.063 | 23/610 |
| Nickel | 7.64 | 3.90 | 2.94 | 3.30 | 1,000/10,000 |
| Zinc | 512 | 10.7 | 15.2 | 48.1 | 6,000/10,000 |
| VOCs | ND | ND | ND | ND | Various Standards |

Notes:
 1. Units: mg/Kg
 2. ND: Not detected above the laboratory method reporting limit
 3. NA: Not analyzed
 4. RIDEM R-DEC and I/C-DEC as defined in Section 8.02 of the Remediation Regulations.
 5. Bold indicates a concentration above a RIDEM R-DEC

Table 6-2
LFR Groundwater Analytical Summary
October 2003

| Target Analyte | MW-1 | MW-2 | MW-3 | MW-4 | RIDEM GB Groundwater Objectives |
|------------------------|------|------|--------|------|---------------------------------------|
| VOCs | | | | | |
| Benzene | ND | ND | 0.012 | ND | 0.14 |
| n-Butylbenzene | ND | ND | 0.0152 | ND | NS |
| Ethylbenzene | ND | ND | 9.82 | ND | 1.6 |
| Isopropylbenzene | ND | ND | 0.116 | ND | NS |
| p-isopropyltoluene | ND | ND | 0.0252 | ND | NS |
| Naphthalene | ND | ND | 0.0486 | ND | NS |
| n-propylbenzene | ND | ND | 0.0816 | ND | NS |
| Toluene | ND | ND | 1.12 | ND | 1.7 |
| 1,2,4-trimethylbenzene | ND | ND | 1.13 | ND | NS |
| 1,3,5-trimethylbenzene | ND | ND | 0.418 | ND | NS |
| Total Xylenes | ND | ND | 154 | ND | NS |

Notes:
 1. Units: mg/L
 2. ND: Not detected above the laboratory method reporting limit
 3. NA: Not analyzed
 4. RIDEM GB Groundwater Objectives as defined in Section 8.03 of the Remediation Regulations.
 5. Bold indicates a concentration above a RIDEM GB-GWO

Table 7-1
LFR Soil Analytical Summary
January 2004

| Target Analyte | B-1 (0-4') | B-2 (0-4') | B-3 (0-4') | B-4 (0-4') | B-5 (0-4') | B-6 (0-4') | B-7 (0-4') | B-8 (0-4') | B-9 (0-4') | B-10 (0-4') | B-11 (0-4') | B-12 (0-4') | B-13 (0-4') | MW-5 (8-12') | MW-6 (0-4') | MW-7 (8-12') | MW-8 (0-4') | MW-9 (8-12') | RIDEM R-DEC/ I/C-DEC | |
|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|-------------------------|------------|
| Metals | | | | | | | | | | | | | | | | | | | | |
| Arsenic | 3.60 | 4.46 | 3.35 | ND | ND | ND | 1.60 | ND | ND | 4.14 | 4.91 | 3.72 | 2.34 | 2.02 | NA | 2.39 | NA | 1.69 | 1.76 | 7.0/7.0 |
| Beryllium | 0.21 | 0.15 | 0.19 | ND | 0.12 | 0.12 | 0.15 | 0.14 | ND | 0.30 | 0.38 | 0.14 | 0.66 | 0.16 | NA | 0.18 | NA | 0.15 | 0.27 | 0.4/1.3 |
| Lead | 12.0 | 25.2 | 24.0 | ND | ND | 2.82 | ND | ND | ND | 29.8 | 33.4 | 3.75 | 4.94 | 26.7 | NA | 18.9 | NA | 18.9 | ND | 150/500 |
| VOCs | | | | | | | | | | | | | | | | | | | | |
| Benzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.096 | NA | 2.5/200 |
| n-Butylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.02 | NA | 1.75 | NA | ND | NS |
| sec-Butylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.690 | NA | 2.44 | NA | ND | NS |
| tert-Butylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.090 | NA | 0.182 | NA | ND | NS |
| 1,2-Dichlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | NA | ND | NA | 35.6 | NS |
| 1,3-Dichlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.043 | NA | ND | NA | ND | NS |
| 1,4-Dichlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.104 | NA | ND | NA | 6.33 | NS |
| Ethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.59 | NA | 6.34 | NA | 7.16 | 71/10,000 |
| Isopropylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.263 | NA | 25.8 | NA | ND | 27/10,000 |
| p-isopropyltoluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.77 | NA | 1.94 | NA | 5.83 | NS |
| Naphthalene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.751 | NA | 9.90 | NA | ND | 54/10,000 |
| n-propylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.640 | NA | 7.33 | NA | ND | NS |
| Toluene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.096 | NA | 56.1 | NA | ND | 190/10,000 |
| 1,2,3-Trichlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ND | NA | ND | NA | 21.9 | NS |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.080 | NA | ND | NA | 75.0 | NS |
| 1,2,4-Trimethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 9.19 | NA | 71.4 | NA | 5.72 | NS |
| 1,3,5-Trimethylbenzene | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3.72 | NA | 33.1 | NA | ND | NS |
| Total Xylenes | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.75 | NA | 2,359 | NA | 24.6 | 110/10,000 |

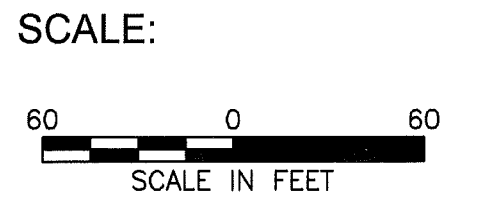
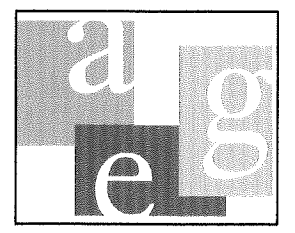
Notes:
 1. Units: mg/Kg
 2. ND: Not detected above the laboratory method reporting limit
 3. NA: Not analyzed
 4. RIDEM R-DEC and I/C-DEC as defined in Section 8.02 of the Remediation Regulations.
 5. Bold indicates a concentration above a RIDEM R-DEC

Table 7-2
LFR Groundwater Analytical Summary
January 2004

| Target Analyte | MW-5 | MW-6 | MW-7 | RIDEM GB Groundwater Objectives |
|------------------------|--------|--------|--------|------------------------------------|
| VOCs | | | | |
| Benzene | 0.0056 | 0.0324 | ND | 0.14 |
| n-Butylbenzene | 0.004 | 0.0076 | ND | NS |
| sec-Butylbenzene | ND | 0.0045 | ND | NS |
| Chlorobenzene | 0.0143 | ND | ND | 3.2 |
| 1,2-Dichlorobenzene | 0.0442 | ND | 0.0015 | NS |
| 1,3-Dichlorobenzene | 0.128 | ND | ND | NS |
| 1,4-Dichlorobenzene | 0.313 | ND | ND | NS |
| Ethylbenzene | 1.44 | 12.9 | ND | 1.6 |
| Isopropylbenzene | 0.011 | 0.235 | ND | NS |
| p-isopropyltoluene | 0.0108 | 0.0082 | ND | NS |
| Naphthalene | 0.0068 | 0.099 | ND | NS |
| n-propylbenzene | 0.0105 | 0.0852 | 0.009 | NS |
| Tetrachloroethene | ND | ND | 0.008 | 0.15 |
| Toluene | 0.0834 | 3.4 | ND | 1.7 |
| 1,2,3-Trichlorobenzene | ND | ND | 0.0809 | NS |
| 1,2,4-Trichlorobenzene | ND | ND | 0.0502 | NS |
| 1,2,4-Trimethylbenzene | 0.151 | 0.550 | ND | NS |
| 1,3,5-Trimethylbenzene | 0.0756 | 0.246 | ND | NS |
| Total Xylenes | 3.12 | 57.1 | 0.0011 | NS |

Notes:
 1. Units: mg/L
 2. ND: Not detected above the laboratory method reporting limit
 3. NA: Not analyzed
 4. RIDEM GB Groundwater Objectives as defined in Section 8.03 of the Remediation Regulations.
 5. Bold indicates a concentration above a RIDEM GB-GWO

NOTES:
 1. BASE MAP PROVIDED BY LFR.



FILE: SITEPLAN.dwg
 DRAWN BY: JHB
 REVIEWED BY: RCH

FIGURE 9 - SAMPLE SET PLAN
 176 SUNNYSIDE AVENUE
 WOONSOCKET, RI
 AEG PROJECT No. 1415

Appendix A

Release Notification Form



Alliance Environmental Group, Inc.

FILE COPY

100 Jefferson Boulevard, Warwick, Rhode Island 02888
Telephone: 401.732.7600; Fax: 401.732.7670

May 4, 2005

Ms. Kelly J. Owens
Supervisor - Site Remediation Program
RI Department of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02908

RE: Site Notification
176 Sunnyside Avenue
Woonsocket, Rhode Island

Dear Ms. Owens:

On behalf of the owner of the above-referenced property ("Site"), CKG Development Co., and pursuant to Section 5 of the Department's *Rules and Regulations for the Investigation and Remediation of Hazardous Material Release ("Remediation Regulations")*, Alliance Environmental Group, Inc. (AEG) is submitting this notification of reportable conditions at the Site. Enclosed with the completed Appendix C are a Site Plan and a copy of an analytical report completed previously by another environmental consulting company for another prospective purchaser of the Site. AEG would like to note, that notification to the department was made previously for the Site.

Analytical supplied by another consultant group showed ethylbenzene in groundwater in the area of three groundwater monitoring wells. As a result, AEG generated groundwater flow and ethylbenzene contour plans using Surfer 7.0 in order to identify a possible source of groundwater impact. These plans are attached and entitled Groundwater Contour Plan and Ethylbenzene Contour Plan, respectively. Subsequently, AEG conducted test pits at the Site to attempt to find a source of contamination. Soils encountered were field screened for total volatile organic compounds (TVOC) using a photo-ionization detector (PID). A plan showing the location of the test pits and a contour of TVOC readings is attached as Test Pit Plan. Additionally, test pit logs describing soils and associated PID readings are attached as Test Pit Logs.

If you have any question or comments, please contact me at anytime at 401-732-7600.

Very truly yours,
Alliance Environmental Group, Inc.

A handwritten signature in black ink, appearing to read "Rich Hittinger". The signature is written in a cursive, flowing style.

Richard C. Hittinger, LSP
President

cc: Richard Kirby
File

ATTACHMENTS

Appendix C (2 sheets)

Site Plan (1 sheet)

Analytical Report

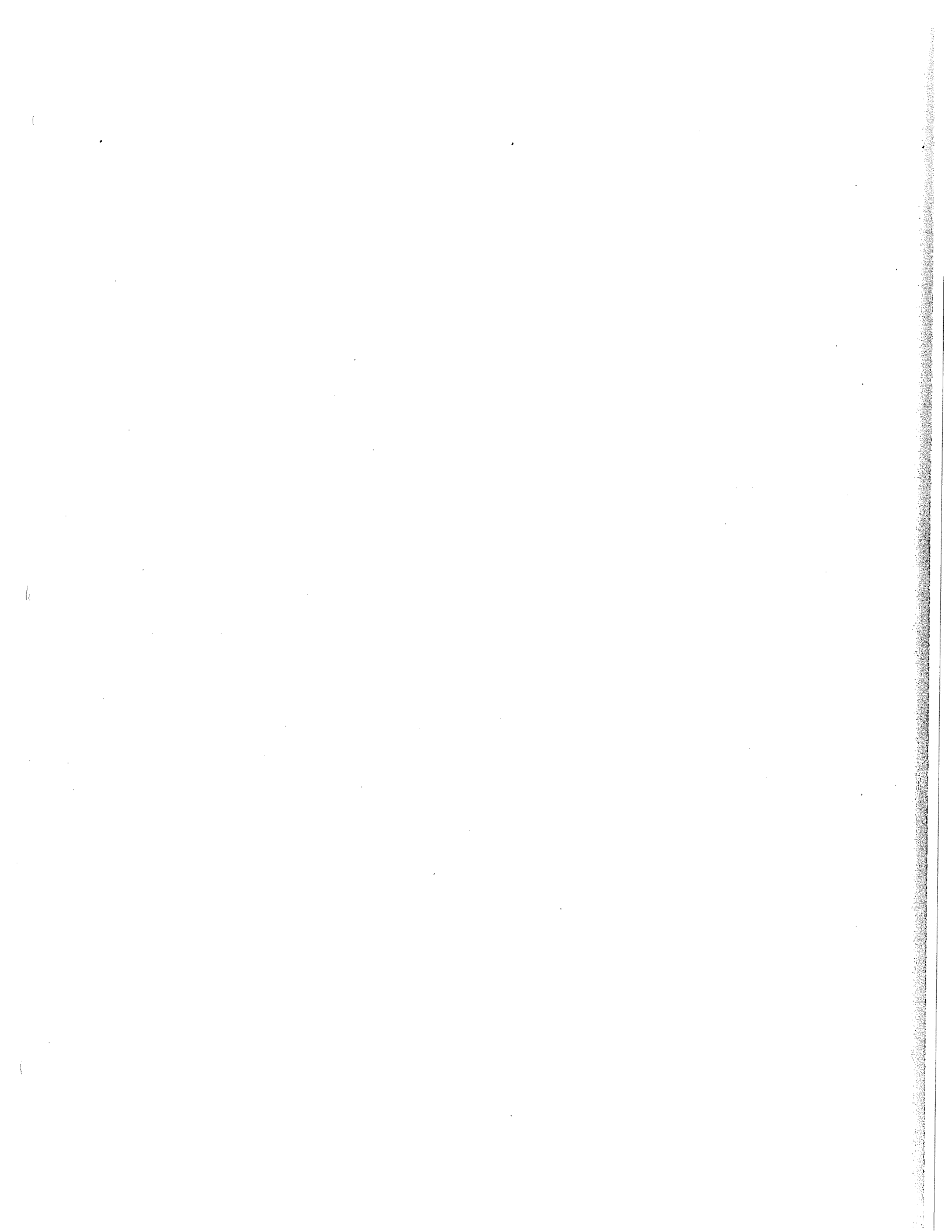
Groundwater Contour Plan

Ethylbenzene Contour Plan

Test Pit Plan

Test Pit Logs





HAZARDOUS MATERIAL RELEASE NOTIFICATION FORM

1 Notifier Information

Name: CKG Development Co.
Address: 72 Pine Street, Providence, RI 02903
Phone: 401-272-5300
Status: Owner Operator Secured Creditor Voluntary

2. Property Information

Name of Site: 176 Sunnyside Avenue
Site Address: 176 Sunny side Avenue, Woonsocket, RI 02895
Plat/Lot Numbers: Plat 3, Lot 7
Site Contact Person: Richard C. Hittinger
Site Contact Phone: 401-732-7600
Site Land Usage: Residential Industrial/Commercial
Location of Release: Within soils and groundwater

(attach site sketch as necessary)

3. Release Information

Date of Discovery: 2004
Source: Historical use of a dry well
Release Media: Soil and groundwater

Hazardous Materials and Concentrations: Soil (ppm): Beryllium (0.66), (0.54) Lead (234) Ethylbenzene (634)

Total Xylenes (2,539) Groundwater (ppm): Ethylbenzene (9.52), (12.9) Toluene (3.4)

(attach certification of analysis as necessary)

Extent of Contamination: Located within site soils and groundwater

4. Resource Information

Site Land Usage: Industrial/Commercial Residential
 Adjacent Land Usage: Industrial/Commercial Residential
 Site Groundwater Class: GA/GAA GB
 Adjacent Groundwater Class: GA/GAA GB
 Nearest Surface Water or Wetland:
 Less Than 500 Feet Greater Than 500 Feet
 Potential for adverse impact Yes/No

5. Potentially Responsible Parties:

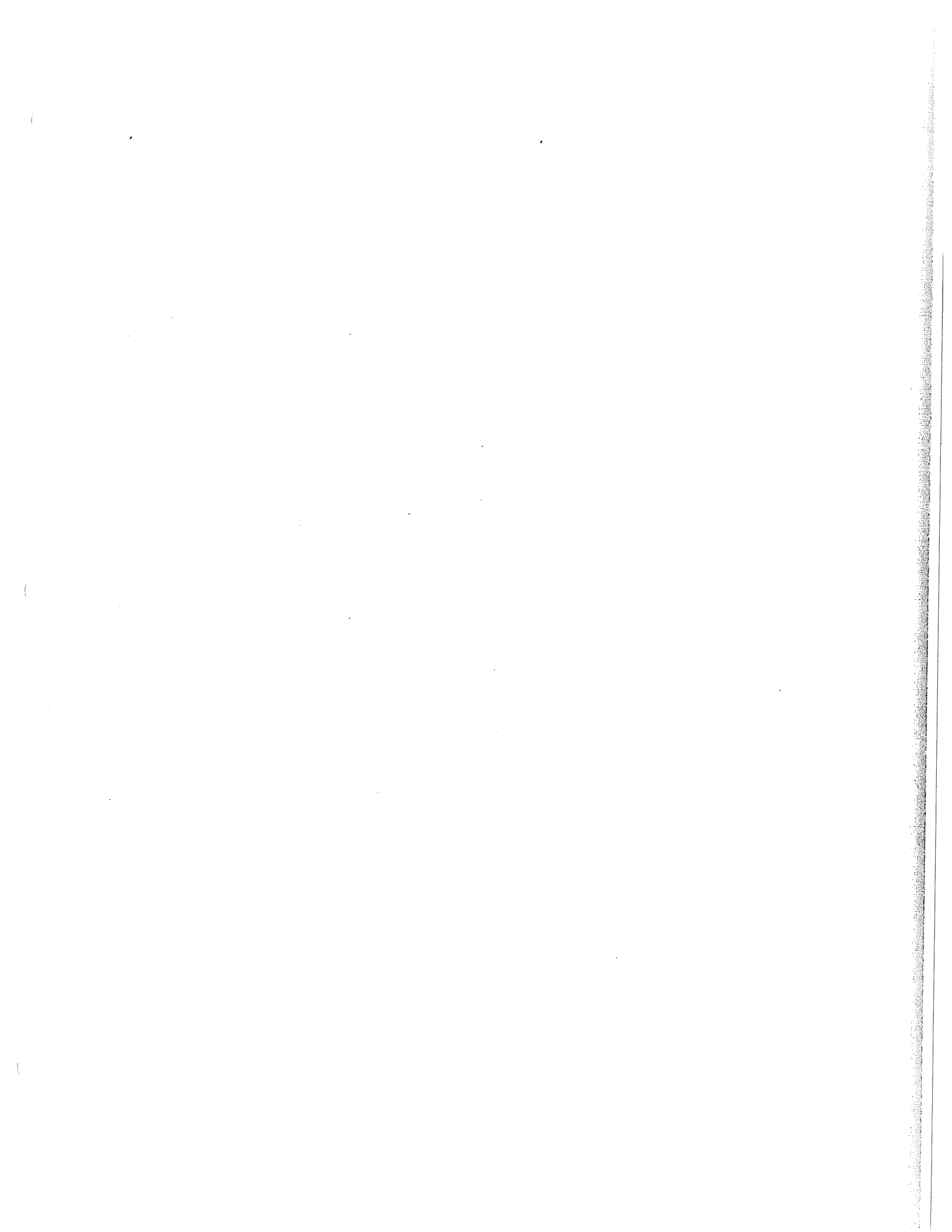
Name: CKG Development Co.
 Address: 72 Pine street, Providence, RI 02903
 Status: Owner Operator Other: _____

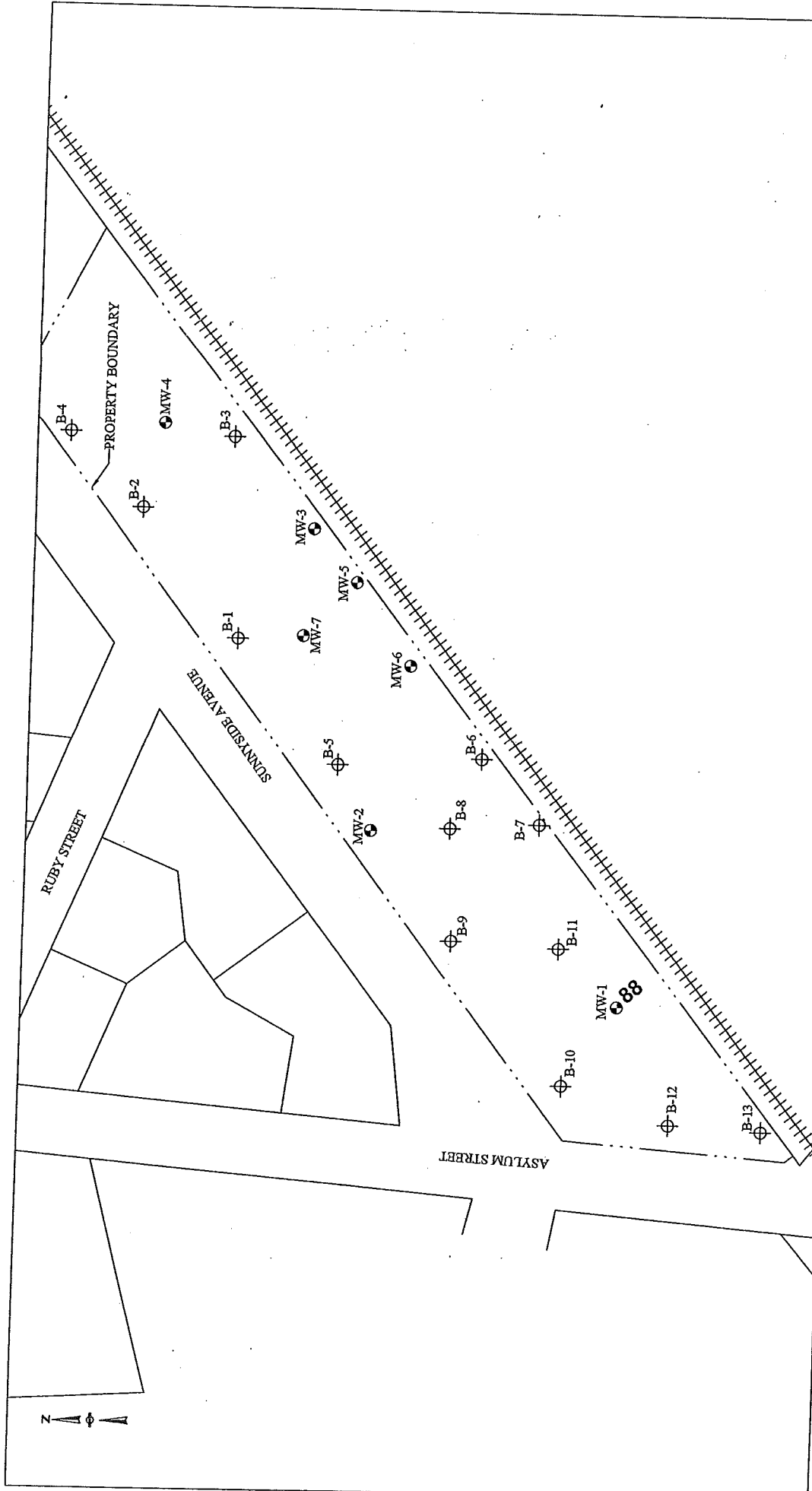
6. Measures Taken or Proposed to be Taken in Response to Release

Excavation of soils to remove source area, installation of vapor barriers under slab-on-grade construction of residential duplexes, and recording of an environmental land use restriction (ELUR)

7. Other Significant Remarks About Release (Will a Background determination be made?)

Signature: *Richard E. Kivik* Date: May 5, 2005
 Title: Partner CKG Development





NOTES:

⊕ SOIL BORING (typ.) - LFR (2003-2004)

● MONITORING WELL (typ.) - LFR (2003-2004)

SCALE:

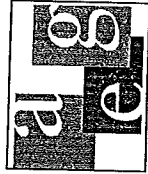
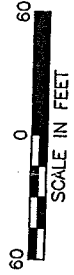


FIGURE 1 - SITE PLAN
176 SUNNYSIDE AVENUE, WOONSOCKET, RI
AEG PROJECT No. 1415

File: SitePlan.dwg

Drawn by: JP

Checked by: RCH





39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 2/18/2004

LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886
ATTN: TOM DALEY

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-76524

JOB NUMBER: -

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 176 SUNNYSIDE AVE.

| FIELD SAMPLE # | LAB ID | MATRIX | SAMPLE DESCRIPTION | TEST |
|----------------|----------|--------|--------------------|------------------|
| B-01 @ 0-4 | 04B01879 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-01 @ 0-4 | 04B01879 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-01 @ 0-4 | 04B01879 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-01 @ 0-4 | 04B01879 | SOIL | NOT SPECIFIED | solids (percent) |
| B-02 @ 0-4 | 04B01880 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-02 @ 0-4 | 04B01880 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-02 @ 0-4 | 04B01880 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-02 @ 0-4 | 04B01880 | SOIL | NOT SPECIFIED | solids (percent) |
| B-03 @ 0-4 | 04B01881 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-03 @ 0-4 | 04B01881 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-03 @ 0-4 | 04B01881 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-03 @ 0-4 | 04B01881 | SOIL | NOT SPECIFIED | solids (percent) |
| B-04 @ 0-4 | 04B01882 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-04 @ 0-4 | 04B01882 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-04 @ 0-4 | 04B01882 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-04 @ 0-4 | 04B01882 | SOIL | NOT SPECIFIED | solids (percent) |
| B-05 @ 0-4 | 04B01883 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-05 @ 0-4 | 04B01883 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-05 @ 0-4 | 04B01883 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-05 @ 0-4 | 04B01883 | SOIL | NOT SPECIFIED | solids (percent) |
| B-06 @ 0-4 | 04B01884 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-06 @ 0-4 | 04B01884 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-06 @ 0-4 | 04B01884 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-06 @ 0-4 | 04B01884 | SOIL | NOT SPECIFIED | solids (percent) |
| B-07 @ 0-4 | 04B01885 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-07 @ 0-4 | 04B01885 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-07 @ 0-4 | 04B01885 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-07 @ 0-4 | 04B01885 | SOIL | NOT SPECIFIED | solids (percent) |
| B-08 @ 0-4 | 04B01886 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-08 @ 0-4 | 04B01886 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-08 @ 0-4 | 04B01886 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-08 @ 0-4 | 04B01886 | SOIL | NOT SPECIFIED | solids (percent) |
| B-09 @ 0-4 | 04B01887 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-09 @ 0-4 | 04B01887 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-09 @ 0-4 | 04B01887 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-09 @ 0-4 | 04B01887 | SOIL | NOT SPECIFIED | solids (percent) |
| B-10 @ 0-4 | 04B01888 | SOIL | NOT SPECIFIED | as (mg/kg dw) |



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 2/18/2004

LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886
ATTN: TOM DALEY

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-76524

JOB NUMBER: -

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

| | | | | |
|------------|----------|------|---------------|------------------|
| B-10 @ 0-4 | 04B01888 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-10 @ 0-4 | 04B01888 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-10 @ 0-4 | 04B01888 | SOIL | NOT SPECIFIED | solids (percent) |
| B-11 @ 0-4 | 04B01889 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-11 @ 0-4 | 04B01889 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-11 @ 0-4 | 04B01889 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-11 @ 0-4 | 04B01889 | SOIL | NOT SPECIFIED | solids (percent) |
| B-12 @ 0-4 | 04B01890 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-12 @ 0-4 | 04B01890 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-12 @ 0-4 | 04B01890 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-12 @ 0-4 | 04B01890 | SOIL | NOT SPECIFIED | solids (percent) |
| B-13 @ 0-4 | 04B01891 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-13 @ 0-4 | 04B01891 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-13 @ 0-4 | 04B01891 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-13 @ 0-4 | 04B01891 | SOIL | NOT SPECIFIED | solids (percent) |
| MW-5 0-4' | 04B01894 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| MW-5 0-4' | 04B01894 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| MW-5 0-4' | 04B01894 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| MW-5 0-4' | 04B01894 | SOIL | NOT SPECIFIED | solids (percent) |
| MW-5 8-12' | 04B01892 | SOIL | NOT SPECIFIED | 8260 dry weight |
| MW-5 8-12' | 04B01892 | SOIL | NOT SPECIFIED | solids (percent) |
| MW-6 0-4' | 04B01895 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| MW-6 0-4' | 04B01895 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| MW-6 0-4' | 04B01895 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| MW-6 0-4' | 04B01895 | SOIL | NOT SPECIFIED | solids (percent) |
| MW-6 8-12' | 04B01893 | SOIL | NOT SPECIFIED | 8260 dry weight |
| MW-6 8-12' | 04B01893 | SOIL | NOT SPECIFIED | solids (percent) |
| MW-7 0-4' | 04B01896 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| MW-7 0-4' | 04B01896 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| MW-7 0-4' | 04B01896 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| MW-7 0-4' | 04B01896 | SOIL | NOT SPECIFIED | solids (percent) |
| MW-7 8-12' | 04B01878 | SOIL | NOT SPECIFIED | 8260 dry weight |
| MW-7 8-12' | 04B01878 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| MW-7 8-12' | 04B01878 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| MW-7 8-12' | 04B01878 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| MW-7 8-12' | 04B01878 | SOIL | NOT SPECIFIED | solids (percent) |



39 Spruce Street * 2nd Floor * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

REPORT DATE 2/18/2004

LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886
ATTN: TOM DALEY

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-76524

JOB NUMBER: -

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

Comments :

LIMS BATCH NO. : LIMS-76524

REVISED REPORT

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

| | | |
|---------------------------|---------------------------------|---------------------------------|
| AIHA 100033 | AIHA ELLAP (LEAD) 100033 | FLORIDA NELAP E87889 |
| MASSACHUSETTS MA0100 | NEW HAMPSHIRE NELAP 2516 | NEW JERSEY NELAP NJ MA007 (AIR) |
| CONNECTICUT PH-0567 | VERMONT DOH (LEAD) No. LL015036 | ARIZONA AZ0648 |
| NEW YORK ELAP/NELAP 10899 | RHODE ISLAND (LIC. No. 112) | ARIZONA AZ0654 (AIR) |

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 2/18/04

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

SIGNATURE

DATE

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample

TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

Purchase Order No.:

2/18/2004
 Page 1 of 26

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: B-01 @ 0-4

Sample ID: 04B01879

Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 3.60 | 1.39 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.21 | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 12.0 | 2.78 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 89.9 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample



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TOM DALEY
LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

Purchase Order No.:

2/18/2004
Page 2 of 26

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: B-02 @ 0-4

Sample ID: 04B01880 Sampled: 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 4.46 | 1.36 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.15 | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 25.2 | 2.72 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 91.8 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample

TOM DALEY
LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

2/18/2004
Page 3 of 26

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

Purchase Order No.:

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: B-03 @ 0-4

Sample ID: 04B01881

Sampled: 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 3.35 | 1.30 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.19 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 24.0 | 2.61 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 96.0 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample

TOM DALEY
LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

Purchase Order No.:

2/18/2004
Page 4 of 26

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: B-04 @ 0-4

Sample ID : 04B01882

Sampled : 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | ND | 1.32 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | ND | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | ND | 2.64 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 94.7 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample



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TOM DALEY
LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

Purchase Order No.:

2/18/2004
Page 5 of 26

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: B-05 @ 0-4

Sample ID: 04B01883
Sampled: 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | ND | 1.28 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.12 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | ND | 2.57 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 97.5 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

2/18/2004
Page 6 of 26

Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: B-06 @ 0-4

Sample ID: 04B01884 Sampled: 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | ND | 1.30 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.12 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 2.82 | 2.60 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 96.2 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

Purchase Order No.:

2/18/2004
Page 7 of 26

Project Location: 176 SUNNYSIDE AVE.

LIMS-BAT #: LIMS-76524

Date Received: 1/23/2004

Job Number: -

Field Sample #: B-07 @ 0-4

Sample ID: 04B01885

Sampled: 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 1.60 | 1.30 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.15 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | ND | 2.61 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 95.9 | | SM 2540G | 01/28/04 | KFD |

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 WARWICK, RI 02886

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: B-08 @ 0-4

Sample ID: 04B01886 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | ND | 1.29 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.14 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | ND | 2.57 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 97.2 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

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Purchase Order No.:

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Project Location: 176 SUNNYSIDE AVE.

Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524

Job Number: -

Field Sample #: B-09 @ 0-4

Sample ID: 04B01887

Sampled: 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | ND | 1.29 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | ND | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | ND | 2.58 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 96.9 | | SM 2540G | 01/28/04 | KFD |

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: B-10 @ 0-4

Sample ID: 04B01888 Sampled: 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 4.14 | 1.40 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.30 | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 29.8 | 2.79 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 89.5 | | SM 2540G | 01/28/04 | KFD |

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Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

Purchase Order No.:

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: B-11 @ 0-4

Sample ID: 04B01889

Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 4.91 | 1.50 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.38 | 0.12 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 33.4 | 3.00 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 83.4 | | SM 2540G | 01/28/04 | KFD |

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: B-12 @ 0-4

Sample ID: 04B01890
Sampled: 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 3.72 | 1.31 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.14 | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 3.75 | 2.63 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 95.2 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

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Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

Purchase Order No.:

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: B-13 @ 0-4

Sample ID: 04B01891

Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 2.34 | 1.38 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.66 | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 4.94 | 2.75 | SW846 3050/6010 | 01/30/04 | PM |
| solids (pe Solids, total | % | 90.8 | | SM 2540G | 01/28/04 | KFD |

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: MW-5 0-4'

Sample ID: 04B01894 Sampled: 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 2.02 | 1.31 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.16 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 26.7 | 2.61 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 95.7 | | SM 2540G | 01/28/04 | KFD |

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Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-5 8-12'

Sample ID: 04B01892
 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|-------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| Acetone | mg/kg dry wt | ND | 2.00 | | 01/27/04 | MFF |
| Acrolein | mg/kg dry wt | ND | 0.799 | | 01/27/04 | MFF |
| Acrylonitrile | mg/kg dry wt | ND | 0.200 | | 01/27/04 | MFF |
| tert-Amylmethyl Ether | mg/kg dry wt | ND | 0.020 | | 01/27/04 | MFF |
| Benzene | mg/kg dry wt | ND | 0.024 | | 01/27/04 | MFF |
| Bromobenzene | mg/kg dry wt. | ND | 0.040 | | 01/27/04 | MFF |
| Bromochloromethane | mg/kg dry wt. | ND | 0.040 | | 01/27/04 | MFF |
| Bromodichloromethane | mg/kg dry wt. | ND | 0.040 | | 01/27/04 | MFF |
| Bromomethane | mg/kg dry wt | ND | 0.048 | | 01/27/04 | MFF |
| Bromoform | mg/kg dry wt | ND | 0.048 | | 01/27/04 | MFF |
| 2-Butanone (MEK) | mg/kg dry wt | ND | 0.479 | | 01/27/04 | MFF |
| tert-Butyl Alcohol | mg/kg dry wt | ND | 0.799 | | 01/27/04 | MFF |
| n-Butylbenzene | mg/kg dry wt. | 1.02 | 0.028 | | 01/27/04 | MFF |
| sec-Butylbenzene | mg/kg dry wt. | 0.690 | 0.024 | | 01/27/04 | MFF |
| tert-Butylbenzene | mg/kg dry wt. | 0.090 | 0.032 | | 01/27/04 | MFF |
| tert-Butylethyl Ether | mg/kg dry wt | ND | 0.020 | | 01/27/04 | MFF |
| Carbon Disulfide | mg/kg dry wt | ND | 0.120 | | 01/27/04 | MFF |
| Carbon Tetrachloride | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| Chlorobenzene | mg/kg dry wt | ND | 0.024 | | 01/27/04 | MFF |
| Chlorodibromomethane | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| Chloroethane | mg/kg dry wt | ND | 0.032 | | 01/27/04 | MFF |
| 2-Chloroethylvinylether | mg/kg dry wt | ND | 0.383 | | 01/27/04 | MFF |
| Chloroform | mg/kg dry wt | ND | 0.080 | | 01/27/04 | MFF |
| Chloromethane | mg/kg dry wt | ND | 0.599 | | 01/27/04 | MFF |
| 2-Chlorotoluene | mg/kg dry wt. | ND | 0.024 | | 01/27/04 | MFF |
| 4-Chlorotoluene | mg/kg dry wt. | ND | 0.024 | | 01/27/04 | MFF |
| 1,2-Dibromo-3-Chloropropane | mg/kg dry wt. | ND | 0.064 | | 01/27/04 | MFF |
| 1,2-Dibromoethane | mg/kg dry wt. | ND | 0.028 | | 01/27/04 | MFF |
| Dibromomethane | mg/kg dry wt | ND | 0.044 | | 01/27/04 | MFF |
| 1,2-Dichlorobenzene | mg/kg dry wt | ND | 0.032 | | 01/27/04 | MFF |
| 1,3-Dichlorobenzene | mg/kg dry wt | 0.043 | 0.024 | | 01/27/04 | MFF |
| 1,4-Dichlorobenzene | mg/kg dry wt | 0.104 | 0.032 | | 01/27/04 | MFF |
| cis-1,4-Dichloro-2-Butene | mg/kg dry wt | ND | 0.096 | | 01/27/04 | MFF |
| trans-1,4-Dichloro-2-Butene | mg/kg dry wt | ND | 0.084 | | 01/27/04 | MFF |
| Dichlorodifluoromethane | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| 1,1-Dichloroethane | mg/kg dry wt | ND | 0.028 | | 01/27/04 | MFF |

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Purchase Order No.:

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Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-5 8-12'

Sample ID: 04B01892 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|----------------------------|---------------|---------|-------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| 1,2-Dichloroethane | mg/kg dry wt | ND | 0.036 | | 01/27/04 | MFF |
| 1,1-Dichloroethylene | mg/kg dry wt | ND | 0.024 | | 01/27/04 | MFF |
| cis-1,2-Dichloroethylene | mg/kg dry wt. | ND | 0.040 | | 01/27/04 | MFF |
| trans-1,2-Dichloroethylene | mg/kg dry wt | ND | 0.032 | | 01/27/04 | MFF |
| 1,2-Dichloropropane | mg/kg dry wt | ND | 0.024 | | 01/27/04 | MFF |
| 1,3-Dichloropropane | mg/kg dry wt. | ND | 0.040 | | 01/27/04 | MFF |
| 2,2-Dichloropropane | mg/kg dry wt. | ND | 0.036 | | 01/27/04 | MFF |
| 1,1-Dichloropropene | mg/kg dry wt. | ND | 0.056 | | 01/27/04 | MFF |
| cis-1,3-Dichloropropene | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| trans-1,3-Dichloropropene | mg/kg dry wt | ND | 0.020 | | 01/27/04 | MFF |
| Diethyl Ether | mg/kg dry wt | ND | 0.080 | | 01/27/04 | MFF |
| Diisopropyl Ether | mg/kg dry wt | ND | 0.020 | | 01/27/04 | MFF |
| 1,4-Dioxane | mg/kg dry wt | ND | 2.00 | | 01/27/04 | MFF |
| Ethyl Benzene | mg/kg dry wt | 1.59 | 0.024 | | 01/27/04 | MFF |
| Ethyl Methacrylate | mg/kg dry wt | ND | 0.032 | | 01/27/04 | MFF |
| Hexachlorobutadiene | mg/kg dry wt. | ND | 0.052 | | 01/27/04 | MFF |
| 2-Hexanone | mg/kg dry wt | ND | 0.387 | | 01/27/04 | MFF |
| Iodomethane | mg/kg dry wt | ND | 0.032 | | 01/27/04 | MFF |
| Isopropylbenzene | mg/kg dry wt. | 0.263 | 0.024 | | 01/27/04 | MFF |
| p-Isopropyltoluene | mg/kg dry wt. | 1.77 | 0.028 | | 01/27/04 | MFF |
| MTBE | mg/kg dry wt | ND | 0.032 | | 01/27/04 | MFF |
| Methylene Chloride | mg/kg dry wt | ND | 0.599 | | 01/27/04 | MFF |
| MIBK | mg/kg dry wt | ND | 0.352 | | 01/27/04 | MFF |
| Naphthalene | mg/kg dry wt. | 0.751 | 0.040 | | 01/27/04 | MFF |
| n-Propylbenzene | mg/kg dry wt. | 0.640 | 0.032 | | 01/27/04 | MFF |
| Styrene | mg/kg dry wt | ND | 0.028 | | 01/27/04 | MFF |
| 1,1,1,2-Tetrachloroethane | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| 1,1,2,2-Tetrachloroethane | mg/kg dry wt | ND | 0.056 | | 01/27/04 | MFF |
| Tetrachloroethylene | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| Tetrahydrofuran | mg/kg dry wt | ND | 0.200 | | 01/27/04 | MFF |
| Toluene | mg/kg dry wt | 0.096 | 0.028 | | 01/27/04 | MFF |
| 1,2,3-Trichlorobenzene | mg/kg dry wt. | ND | 0.028 | | 01/27/04 | MFF |
| 1,2,4-Trichlorobenzene | mg/kg dry wt. | 0.080 | 0.028 | | 01/27/04 | MFF |
| 1,1,1-Trichloroethane | mg/kg dry wt | ND | 0.036 | | 01/27/04 | MFF |
| 1,1,2-Trichloroethane | mg/kg dry wt | ND | 0.028 | | 01/27/04 | MFF |
| Trichloroethylene | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |

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Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

Purchase Order No.:

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-5 8-12'

Sample ID: 04B01892 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|------------------------|---------------|---------|-------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| Trichlorofluoromethane | mg/kg dry wt | ND | 0.028 | | 01/27/04 | MFF |
| 1,2,3-Trichloropropane | mg/kg dry wt | ND | 0.052 | | 01/27/04 | MFF |
| 1,2,4-Trimethylbenzene | mg/kg dry wt. | 9.19 | 0.040 | | 01/27/04 | MFF |
| 1,3,5-Trimethylbenzene | mg/kg dry wt. | 3.72 | 0.040 | | 01/27/04 | MFF |
| Vinyl Acetate | mg/kg dry wt | ND | 0.655 | | 01/27/04 | MFF |
| Vinyl Chloride | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| m + p Xylene | mg/kg dry wt | 3.88 | 0.052 | | 01/27/04 | MFF |
| o-Xylene | mg/kg dry wt | 1.87 | 0.040 | | 01/27/04 | MFF |
| solids (pe | | | | SM 2540G | | |
| Solids, total | % | 81.3 | | | 01/28/04 | KFD |

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: MW-6 0-4'

Sample ID: 04B01895
Sampled: 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 2.39 | 1.33 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.18 | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 22.2 | 2.66 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 93.8 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-6 8-12'

Sample ID : 04B01893 Sampled : 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|-------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| Acetone | mg/kg dry wt | ND | 4.34 | | 01/27/04 | MFF |
| Acrolein | mg/kg dry wt | ND | 1.74 | | 01/27/04 | MFF |
| Acrylonitrile | mg/kg dry wt | ND | 0.434 | | 01/27/04 | MFF |
| tert-Amylmethyl Ether | mg/kg dry wt | ND | 0.043 | | 01/27/04 | MFF |
| Benzene | mg/kg dry wt | 0.096 | 0.052 | | 01/27/04 | MFF |
| Bromobenzene | mg/kg dry wt. | ND | 0.087 | | 01/27/04 | MFF |
| Bromochloromethane | mg/kg dry wt. | ND | 0.087 | | 01/27/04 | MFF |
| Bromodichloromethane | mg/kg dry wt. | ND | 0.087 | | 01/27/04 | MFF |
| Bromomethane | mg/kg dry wt | ND | 0.104 | | 01/27/04 | MFF |
| Bromoform | mg/kg dry wt | ND | 0.104 | | 01/27/04 | MFF |
| 2-Butanone (MEK) | mg/kg dry wt | ND | 1.04 | | 01/27/04 | MFF |
| tert-Butyl Alcohol | mg/kg dry wt | ND | 1.74 | | 01/27/04 | MFF |
| n-Butylbenzene | mg/kg dry wt. | 1.75 | 0.061 | | 01/27/04 | MFF |
| sec-Butylbenzene | mg/kg dry wt. | 2.44 | 0.052 | | 01/27/04 | MFF |
| tert-Butylbenzene | mg/kg dry wt. | 0.182 | 0.069 | | 01/27/04 | MFF |
| tert-Butylethyl Ether | mg/kg dry wt | ND | 0.043 | | 01/27/04 | MFF |
| Carbon Disulfide | mg/kg dry wt | ND | 0.260 | | 01/27/04 | MFF |
| Carbon Tetrachloride | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| Chlorobenzene | mg/kg dry wt | ND | 0.052 | | 01/27/04 | MFF |
| Chlorodibromomethane | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| Chloroethane | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| 2-Chloroethylvinylether | mg/kg dry wt | ND | 0.833 | | 01/27/04 | MFF |
| Chloroform | mg/kg dry wt | ND | 0.174 | | 01/27/04 | MFF |
| Chloromethane | mg/kg dry wt | ND | 1.30 | | 01/27/04 | MFF |
| 2-Chlorotoluene | mg/kg dry wt. | ND | 0.052 | | 01/27/04 | MFF |
| 4-Chlorotoluene | mg/kg dry wt. | ND | 0.052 | | 01/27/04 | MFF |
| 1,2-Dibromo-3-Chloropropane | mg/kg dry wt. | ND | 0.139 | | 01/27/04 | MFF |
| 1,2-Dibromoethane | mg/kg dry wt. | ND | 0.061 | | 01/27/04 | MFF |
| Dibromomethane | mg/kg dry wt | ND | 0.095 | | 01/27/04 | MFF |
| 1,2-Dichlorobenzene | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| 1,3-Dichlorobenzene | mg/kg dry wt | ND | 0.052 | | 01/27/04 | MFF |
| 1,4-Dichlorobenzene | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| cis-1,4-Dichloro-2-Butene | mg/kg dry wt | ND | 0.208 | | 01/27/04 | MFF |
| trans-1,4-Dichloro-2-Butene | mg/kg dry wt | ND | 0.182 | | 01/27/04 | MFF |
| Dichlorodifluoromethane | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| 1,1-Dichloroethane | mg/kg dry wt | ND | 0.061 | | 01/27/04 | MFF |

RL = Reporting Limit

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39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

2/18/2004
 Page 20 of 26

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

Purchase Order No.:

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-6 8-12'

Sample ID: 04B01893

Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|----------------------------|---------------|---------|-------|------------|---------------|---------|
| | | | | SW846 8260 | | |
| 8260 dry w | | | | | 01/27/04 | MFF |
| 1,2-Dichloroethane | mg/kg dry wt | ND | 0.078 | | 01/27/04 | MFF |
| 1,1-Dichloroethylene | mg/kg dry wt | ND | 0.052 | | 01/27/04 | MFF |
| cis-1,2-Dichloroethylene | mg/kg dry wt. | ND | 0.087 | | 01/27/04 | MFF |
| trans-1,2-Dichloroethylene | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| 1,2-Dichloropropane | mg/kg dry wt | ND | 0.052 | | 01/27/04 | MFF |
| 1,3-Dichloropropane | mg/kg dry wt. | ND | 0.087 | | 01/27/04 | MFF |
| 2,2-Dichloropropane | mg/kg dry wt. | ND | 0.078 | | 01/27/04 | MFF |
| 1,1-Dichloropropene | mg/kg dry wt. | ND | 0.122 | | 01/27/04 | MFF |
| cis-1,3-Dichloropropene | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| trans-1,3-Dichloropropene | mg/kg dry wt | ND | 0.043 | | 01/27/04 | MFF |
| Diethyl Ether | mg/kg dry wt | ND | 0.174 | | 01/27/04 | MFF |
| Diisopropyl Ether | mg/kg dry wt | ND | 0.043 | | 01/27/04 | MFF |
| 1,4-Dioxane | mg/kg dry wt | ND | 4.34 | | 01/27/04 | MFF |
| Ethyl Benzene | mg/kg dry wt | 634. | 0.052 | | 01/27/04 | MFF |
| Ethyl Methacrylate | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| Hexachlorobutadiene | mg/kg dry wt. | ND | 0.113 | | 01/27/04 | MFF |
| 2-Hexanone | mg/kg dry wt | ND | 0.842 | | 01/27/04 | MFF |
| Iodomethane | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| Isopropylbenzene | mg/kg dry wt. | 25.8 | 0.052 | | 01/27/04 | MFF |
| p-Isopropyltoluene | mg/kg dry wt. | 1.94 | 0.061 | | 01/27/04 | MFF |
| MTBE | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| Methylene Chloride | mg/kg dry wt | ND | 1.30 | | 01/27/04 | MFF |
| MIBK | mg/kg dry wt | ND | 0.764 | | 01/27/04 | MFF |
| Naphthalene | mg/kg dry wt. | 9.90 | 0.087 | | 01/27/04 | MFF |
| n-Propylbenzene | mg/kg dry wt. | 7.33 | 0.069 | | 01/27/04 | MFF |
| Styrene | mg/kg dry wt | ND | 0.061 | | 01/27/04 | MFF |
| 1,1,1,2-Tetrachloroethane | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| 1,1,2,2-Tetrachloroethane | mg/kg dry wt | ND | 0.122 | | 01/27/04 | MFF |
| Tetrachloroethylene | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| Tetrahydrofuran | mg/kg dry wt | ND | 0.434 | | 01/27/04 | MFF |
| Toluene | mg/kg dry wt | 56.1 | 0.061 | | 01/27/04 | MFF |
| 1,2,3-Trichlorobenzene | mg/kg dry wt. | ND | 0.061 | | 01/27/04 | MFF |
| 1,2,4-Trichlorobenzene | mg/kg dry wt. | ND | 0.061 | | 01/27/04 | MFF |
| 1,1,1-Trichloroethane | mg/kg dry wt | ND | 0.078 | | 01/27/04 | MFF |
| 1,1,2-Trichloroethane | mg/kg dry wt | ND | 0.061 | | 01/27/04 | MFF |
| Trichloroethylene | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |

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TOM DALEY
 LEVINE FRICKE
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 WARWICK, RI 02886

2/18/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-6 8-12'

Sample ID: 04B01893 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|------------------------|---------------|---------|-------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| Trichlorofluoromethane | mg/kg dry wt | ND | 0.061 | | 01/27/04 | MFF |
| 1,2,3-Trichloropropane | mg/kg dry wt | ND | 0.113 | | 01/27/04 | MFF |
| 1,2,4-Trimethylbenzene | mg/kg dry wt. | 71.4 | 0.087 | | 01/27/04 | MFF |
| 1,3,5-Trimethylbenzene | mg/kg dry wt. | 33.1 | 0.087 | | 01/27/04 | MFF |
| Vinyl Acetate | mg/kg dry wt | ND | 1.42 | | 01/27/04 | MFF |
| Vinyl Chloride | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| m + p Xylene | mg/kg dry wt | 1690. | 0.113 | | 01/27/04 | MFF |
| o-Xylene | mg/kg dry wt | 669. | 0.087 | | 01/27/04 | MFF |
| solids (pe | | | | SM 2540G | | |
| Solids, total | % | 80.0 | | | 01/28/04 | KFD |

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250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

2/18/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: MW-7 0-4'

Sample ID : 04B01896 Sampled : 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 1.69 | 1.31 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.15 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 18.9 | 2.61 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 95.6 | | SM 2540G | 01/28/04 | KFD |

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 WARWICK, RI 02886

Purchase Order No.:

2/18/2004
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Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-7 8-12'

Sample ID: 04B01878
 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| Acetone | mg/kg dry wt | ND | 277. | | 01/27/04 | MFF |
| Acrolein | mg/kg dry wt | ND | 111. | | 01/27/04 | MFF |
| Acrylonitrile | mg/kg dry wt | ND | 27.7 | | 01/27/04 | MFF |
| tert-Amylmethyl Ether | mg/kg dry wt | ND | 2.77 | | 01/27/04 | MFF |
| Benzene | mg/kg dry wt | ND | 3.33 | | 01/27/04 | MFF |
| Bromobenzene | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| Bromochloromethane | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| Bromodichloromethane | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| Bromomethane | mg/kg dry wt | ND | 6.66 | | 01/27/04 | MFF |
| Bromoform | mg/kg dry wt | ND | 6.66 | | 01/27/04 | MFF |
| 2-Butanone (MEK) | mg/kg dry wt | ND | 66.6 | | 01/27/04 | MFF |
| tert-Butyl Alcohol | mg/kg dry wt | ND | 111. | | 01/27/04 | MFF |
| n-Butylbenzene | mg/kg dry wt. | ND | 3.88 | | 01/27/04 | MFF |
| sec-Butylbenzene | mg/kg dry wt. | ND | 3.33 | | 01/27/04 | MFF |
| tert-Butylbenzene | mg/kg dry wt. | ND | 4.44 | | 01/27/04 | MFF |
| tert-Butylethyl Ether | mg/kg dry wt | ND | 2.77 | | 01/27/04 | MFF |
| Carbon Disulfide | mg/kg dry wt | ND | 16.6 | | 01/27/04 | MFF |
| Carbon Tetrachloride | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| Chlorobenzene | mg/kg dry wt | ND | 3.33 | | 01/27/04 | MFF |
| Chlorodibromomethane | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| Chloroethane | mg/kg dry wt | ND | 4.44 | | 01/27/04 | MFF |
| 2-Chloroethylvinylether | mg/kg dry wt | ND | 53.3 | | 01/27/04 | MFF |
| Chloroform | mg/kg dry wt | ND | 11.1 | | 01/27/04 | MFF |
| Chloromethane | mg/kg dry wt | ND | 83.2 | | 01/27/04 | MFF |
| 2-Chlorotoluene | mg/kg dry wt. | ND | 3.33 | | 01/27/04 | MFF |
| 4-Chlorotoluene | mg/kg dry wt. | ND | 3.33 | | 01/27/04 | MFF |
| 1,2-Dibromo-3-Chloropropane | mg/kg dry wt. | ND | 8.88 | | 01/27/04 | MFF |
| 1,2-Dibromoethane | mg/kg dry wt. | ND | 3.88 | | 01/27/04 | MFF |
| Dibromomethane | mg/kg dry wt | ND | 6.10 | | 01/27/04 | MFF |
| 1,2-Dichlorobenzene | mg/kg dry wt | 35.6 | 4.44 | | 01/27/04 | MFF |
| 1,3-Dichlorobenzene | mg/kg dry wt | ND | 3.33 | | 01/27/04 | MFF |
| 1,4-Dichlorobenzene | mg/kg dry wt | 6.33 | 4.44 | | 01/27/04 | MFF |
| cis-1,4-Dichloro-2-Butene | mg/kg dry wt | ND | 13.3 | | 01/27/04 | MFF |
| trans-1,4-Dichloro-2-Butene | mg/kg dry wt | ND | 11.7 | | 01/27/04 | MFF |
| Dichlorodifluoromethane | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| 1,1-Dichloroethane | mg/kg dry wt | ND | 3.88 | | 01/27/04 | MFF |

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TOM DALEY ·
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 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

2/18/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-7 8-12'

Sample ID: 04B01878 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|----------------------------|---------------|---------|------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| 1,2-Dichloroethane | mg/kg dry wt | ND | 4.99 | | 01/27/04 | MFF |
| 1,1-Dichloroethylene | mg/kg dry wt | ND | 3.33 | | 01/27/04 | MFF |
| cis-1,2-Dichloroethylene | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| trans-1,2-Dichloroethylene | mg/kg dry wt | ND | 4.44 | | 01/27/04 | MFF |
| 1,2-Dichloropropane | mg/kg dry wt | ND | 3.33 | | 01/27/04 | MFF |
| 1,3-Dichloropropane | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| 2,2-Dichloropropane | mg/kg dry wt. | ND | 4.99 | | 01/27/04 | MFF |
| 1,1-Dichloropropene | mg/kg dry wt. | ND | 7.77 | | 01/27/04 | MFF |
| cis-1,3-Dichloropropene | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| trans-1,3-Dichloropropene | mg/kg dry wt. | ND | 2.77 | | 01/27/04 | MFF |
| Diethyl Ether | mg/kg dry wt | ND | 11.1 | | 01/27/04 | MFF |
| Diisopropyl Ether | mg/kg dry wt | ND | 2.77 | | 01/27/04 | MFF |
| 1,4-Dioxane | mg/kg dry wt | ND | 277. | | 01/27/04 | MFF |
| Ethyl Benzene | mg/kg dry wt | 7.16 | 3.33 | | 01/27/04 | MFF |
| Ethyl Methacrylate | mg/kg dry wt | ND | 4.44 | | 01/27/04 | MFF |
| Hexachlorobutadiene | mg/kg dry wt. | ND | 7.21 | | 01/27/04 | MFF |
| 2-Hexanone | mg/kg dry wt | ND | 53.8 | | 01/27/04 | MFF |
| Iodomethane | mg/kg dry wt | ND | 4.44 | | 01/27/04 | MFF |
| Isopropylbenzene | mg/kg dry wt. | ND | 3.33 | | 01/27/04 | MFF |
| p-Isopropyltoluene | mg/kg dry wt. | 5.83 | 3.88 | | 01/27/04 | MFF |
| MTBE | mg/kg dry wt | ND | 4.44 | | 01/27/04 | MFF |
| Methylene Chloride | mg/kg dry wt | ND | 83.2 | | 01/27/04 | MFF |
| MIBK | mg/kg dry wt | ND | 48.8 | | 01/27/04 | MFF |
| Naphthalene | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| n-Propylbenzene | mg/kg dry wt. | ND | 4.44 | | 01/27/04 | MFF |
| Styrene | mg/kg dry wt | ND | 3.88 | | 01/27/04 | MFF |
| 1,1,1,2-Tetrachloroethane | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| 1,1,2,2-Tetrachloroethane | mg/kg dry wt | ND | 7.77 | | 01/27/04 | MFF |
| Tetrachloroethylene | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| Tetrahydrofuran | mg/kg dry wt | ND | 27.7 | | 01/27/04 | MFF |
| Toluene | mg/kg dry wt | ND | 3.88 | | 01/27/04 | MFF |
| 1,2,3-Trichlorobenzene | mg/kg dry wt. | 21.9 | 3.88 | | 01/27/04 | MFF |
| 1,2,4-Trichlorobenzene | mg/kg dry wt. | 75.0 | 3.88 | | 01/27/04 | MFF |
| 1,1,1-Trichloroethane | mg/kg dry wt | ND | 4.99 | | 01/27/04 | MFF |
| 1,1,2-Trichloroethane | mg/kg dry wt | ND | 3.88 | | 01/27/04 | MFF |
| Trichloroethylene | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |

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 WARWICK, RI 02886

2/18/2004
 Page 25 of 26

Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-7 8-12'

Sample ID: 04B01878 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|------------------------|---------------|---------|------|-----------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| Trichlorofluoromethane | mg/kg dry wt | ND | 3.88 | | 01/27/04 | MFF |
| 1,2,3-Trichloropropane | mg/kg dry wt | ND | 7.21 | | 01/27/04 | MFF |
| 1,2,4-Trimethylbenzene | mg/kg dry wt. | 5.72 | 5.55 | | 01/27/04 | MFF |
| 1,3,5-Trimethylbenzene | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| Vinyl Acetate | mg/kg dry wt | ND | 91.0 | | 01/27/04 | MFF |
| Vinyl Chloride | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| m + p Xylene | mg/kg dry wt | 17.7 | 7.21 | | 01/27/04 | MFF |
| o-Xylene | mg/kg dry wt | 6.88 | 5.55 | | 01/27/04 | MFF |
| as (mg/kg) | | | | SW846 3050/7060 | | |
| Arsenic | mg/kg dry wt. | 1.76 | 1.53 | | 01/29/04 | WHW |
| be (mg/kg) | | | | SW846 3050/6010 | | |
| Beryllium | mg/kg dry wt. | 0.27 | 0.12 | | 01/29/04 | PM |
| pb (mg/kg) | | | | SW846 3050/6010 | | |
| Lead | mg/kg dry wt. | ND | 3.05 | | 01/29/04 | PM |
| solids (pe | | | | SM 2540G | | |
| Solids, total | % | 81.9 | | | 01/28/04 | KFD |

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TOM DALEY
LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886
Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

Purchase Order No.:

** END OF REPORT **

2/18/2004
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LIMS-BAT #: LIMS-76524
Job Number: -

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39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/18/2004

Lims Bat #: LIMS-76524

Page 1 of 7

QC Batch Number: GCMS/VOL-9337

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|-------------|----------------------------|--------------------|---------|--------------|--------|
| 04B01878 | 1,2-Dichloroethane-d4 | Surrogate Recovery | 96.560 | % | 70-130 |
| | Toluene-d8 | Surrogate Recovery | 101.520 | % | 70-130 |
| | Bromofluorobenzene | Surrogate Recovery | 104.200 | % | 70-130 |
| 04B01892 | 1,2-Dichloroethane-d4 | Surrogate Recovery | 91.920 | % | 70-130 |
| | Toluene-d8 | Surrogate Recovery | 101.640 | % | 70-130 |
| | Bromofluorobenzene | Surrogate Recovery | 100.600 | % | 70-130 |
| 04B01893 | 1,2-Dichloroethane-d4 | Surrogate Recovery | 90.600 | % | 70-130 |
| | Toluene-d8 | Surrogate Recovery | 106.480 | % | 70-130 |
| | Bromofluorobenzene | Surrogate Recovery | 104.000 | % | 70-130 |
| BLANK-57220 | Acetone | Blank | <0.100 | mg/kg dry wt | |
| | Benzene | Blank | <0.001 | mg/kg dry wt | |
| | Carbon Tetrachloride | Blank | <0.002 | mg/kg dry wt | |
| | Chloroform | Blank | <0.004 | mg/kg dry wt | |
| | 1,2-Dichloroethane | Blank | <0.002 | mg/kg dry wt | |
| | 1,4-Dichlorobenzene | Blank | <0.002 | mg/kg dry wt | |
| | Ethyl Benzene | Blank | <0.001 | mg/kg dry wt | |
| | 2-Butanone (MEK) | Blank | <0.024 | mg/kg dry wt | |
| | MIBK | Blank | <0.018 | mg/kg dry wt | |
| | Naphthalene | Blank | <0.002 | mg/kg dry wt | |
| | Styrene | Blank | <0.001 | mg/kg dry wt | |
| | Tetrachloroethylene | Blank | <0.002 | mg/kg dry wt | |
| | Toluene | Blank | <0.001 | mg/kg dry wt | |
| | 1,1,1-Trichloroethane | Blank | <0.002 | mg/kg dry wt | |
| | Trichloroethylene | Blank | <0.002 | mg/kg dry wt | |
| | Trichlorofluoromethane | Blank | <0.001 | mg/kg dry wt | |
| | o-Xylene | Blank | <0.002 | mg/kg dry wt | |
| | m + p Xylene | Blank | <0.003 | mg/kg dry wt | |
| | 1,2-Dichlorobenzene | Blank | <0.002 | mg/kg dry wt | |
| | 1,3-Dichlorobenzene | Blank | <0.001 | mg/kg dry wt | |
| | 1,1-Dichloroethane | Blank | <0.001 | mg/kg dry wt | |
| | 1,1-Dichloroethylene | Blank | <0.001 | mg/kg dry wt | |
| | 1,4-Dioxane | Blank | <0.100 | mg/kg dry wt | |
| | MTBE | Blank | <0.002 | mg/kg dry wt | |
| | trans-1,2-Dichloroethylene | Blank | <0.002 | mg/kg dry wt | |
| | Vinyl Chloride | Blank | <0.002 | mg/kg dry wt | |
| | Methylene Chloride | Blank | <0.030 | mg/kg dry wt | |
| | Chlorobenzene | Blank | <0.001 | mg/kg dry wt | |
| | Chloromethane | Blank | <0.030 | mg/kg dry wt | |
| | Bromomethane | Blank | <0.002 | mg/kg dry wt | |
| | Chloroethane | Blank | <0.002 | mg/kg dry wt | |



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/18/2004

Lims Bat #: LIMS-76524

Page 2 of 7

QC Batch Number: GCMS/VOL-9337

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|-------------|-----------------------------|-------------|--------|---------------|--------|
| BLANK-57220 | | | | | |
| | cis-1,3-Dichloropropene | Blank | <0.002 | mg/kg dry wt | |
| | trans-1,3-Dichloropropene | Blank | <0.001 | mg/kg dry wt | |
| | Chlorodibromomethane | Blank | <0.002 | mg/kg dry wt | |
| | 1,1,2-Trichloroethane | Blank | <0.001 | mg/kg dry wt | |
| | 2-Chloroethylvinylether | Blank | <0.019 | mg/kg dry wt | |
| | Bromofom | Blank | <0.002 | mg/kg dry wt | |
| | 1,1,2,2-Tetrachloroethane | Blank | <0.003 | mg/kg dry wt | |
| | 2-Chlorotoluene | Blank | <0.001 | mg/kg dry wt. | |
| | Hexachlorobutadiene | Blank | <0.003 | mg/kg dry wt. | |
| | Isopropylbenzene | Blank | <0.001 | mg/kg dry wt. | |
| | p-Isopropyltoluene | Blank | <0.001 | mg/kg dry wt. | |
| | n-Propylbenzene | Blank | <0.002 | mg/kg dry wt. | |
| | sec-Butylbenzene | Blank | <0.001 | mg/kg dry wt. | |
| | tert-Butylbenzene | Blank | <0.002 | mg/kg dry wt. | |
| | 1,2,3-Trichlorobenzene | Blank | <0.001 | mg/kg dry wt. | |
| | 1,2,4-Trichlorobenzene | Blank | <0.001 | mg/kg dry wt. | |
| | 1,2,4-Trimethylbenzene | Blank | <0.002 | mg/kg dry wt. | |
| | 1,3,5-Trimethylbenzene | Blank | <0.002 | mg/kg dry wt. | |
| | 4-Chlorotoluene | Blank | <0.001 | mg/kg dry wt. | |
| | Dibromomethane | Blank | <0.002 | mg/kg dry wt | |
| | cis-1,2-Dichloroethylene | Blank | <0.002 | mg/kg dry wt. | |
| | 1,1-Dichloropropene | Blank | <0.003 | mg/kg dry wt. | |
| | 1,2-Dichloropropane | Blank | <0.001 | mg/kg dry wt | |
| | 1,3-Dichloropropane | Blank | <0.002 | mg/kg dry wt. | |
| | 2,2-Dichloropropane | Blank | <0.002 | mg/kg dry wt. | |
| | 1,1,1,2-Tetrachloroethane | Blank | <0.002 | mg/kg dry wt | |
| | 1,2,3-Trichloropropane | Blank | <0.003 | mg/kg dry wt | |
| | n-Butylbenzene | Blank | <0.001 | mg/kg dry wt. | |
| | Dichlorodifluoromethane | Blank | <0.002 | mg/kg dry wt | |
| | Bromochloromethane | Blank | <0.002 | mg/kg dry wt. | |
| | Bromobenzene | Blank | <0.002 | mg/kg dry wt. | |
| | Iodomethane | Blank | <0.002 | mg/kg dry wt | |
| | Acrolein | Blank | <0.040 | mg/kg dry wt | |
| | Acrylonitrile | Blank | <0.010 | mg/kg dry wt | |
| | Carbon Disulfide | Blank | <0.006 | mg/kg dry wt | |
| | Vinyl Acetate | Blank | <0.033 | mg/kg dry wt | |
| | 2-Hexanone | Blank | <0.019 | mg/kg dry wt | |
| | trans-1,4-Dichloro-2-Butene | Blank | <0.004 | mg/kg dry wt | |
| | Ethyl Methacrylate | Blank | <0.002 | mg/kg dry wt | |
| | cis-1,4-Dichloro-2-Butene | Blank | <0.005 | mg/kg dry wt | |
| | Diethyl Ether | Blank | <0.004 | mg/kg dry wt | |
| | Bromodichloromethane | Blank | <0.002 | mg/kg dry wt. | |
| | 1,2-Dibromo-3-Chloropropane | Blank | <0.003 | mg/kg dry wt. | |



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/18/2004

Lims Bat #: LIMS-76524

Page 3 of 7

QC Batch Number: GCMS/VOL-9337

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|-------------|-----------------------|-------------|--------|---------------|--------|
| BLANK-57220 | 1,2-Dibromoethane | Blank | <0.001 | mg/kg dry wt. | |
| | Tetrahydrofuran | Blank | <0.010 | mg/kg dry wt | |
| | tert-Butyl Alcohol | Blank | <0.040 | mg/kg dry wt | |
| | Diisopropyl Ether | Blank | <0.001 | mg/kg dry wt | |
| | tert-Butylethyl Ether | Blank | <0.001 | mg/kg dry wt | |
| | tert-Amylmethyl Ether | Blank | <0.001 | mg/kg dry wt | |



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/18/2004

Lims Bat #: LIMS-76524

Page 4 of 7

QC Batch Number: HGA/AA-3988

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|---------------|----------|----------------------|----------|---------------|--------|
| 04B01878 | Arsenic | Sample Amount | 1.7553 | mg/kg dry wt. | |
| | | Duplicate Value | 1.8078 | mg/kg dry wt. | |
| | | Duplicate RPD | 2.9467 | % | |
| | | Sample Amount | 1.7553 | mg/kg dry wt. | |
| | | Matrix Spk Amt Added | 122.0892 | mg/kg dry wt. | |
| | | MS Amt Measured | 122.2723 | mg/kg dry wt. | |
| | | Matrix Spike % Rec. | 98.7123 | % | |
| 04B01881 | Arsenic | Sample Amount | 3.3452 | mg/kg dry wt. | |
| | | Duplicate Value | 3.0143 | mg/kg dry wt. | |
| | | Duplicate RPD | 10.4056 | % | |
| | | Sample Amount | 3.3452 | mg/kg dry wt. | |
| | | Matrix Spk Amt Added | 104.2124 | mg/kg dry wt. | |
| | | MS Amt Measured | 110.1004 | mg/kg dry wt. | |
| | | Matrix Spike % Rec. | 102.4400 | % | |
| 04B01891 | Arsenic | Sample Amount | 2.3424 | mg/kg dry wt. | |
| | | Duplicate Value | 2.4908 | mg/kg dry wt. | |
| | | Duplicate RPD | 6.1435 | % | |
| | | Sample Amount | 2.3424 | mg/kg dry wt. | |
| | | Matrix Spk Amt Added | 110.1766 | mg/kg dry wt. | |
| | | MS Amt Measured | 121.3044 | mg/kg dry wt. | |
| | | Matrix Spike % Rec. | 107.9740 | % | |
| BLANK-57214 | Arsenic | Blank | <1.25 | mg/kg dry wt. | |
| LFBLANK-30297 | Arsenic | Lab Fort Blank Amt. | 100.0000 | mg/kg dry wt. | |
| | | Lab Fort Blk. Found | 113.1000 | mg/kg dry wt. | |
| | | Lab Fort Blk. % Rec. | 113.1000 | % | |



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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/18/2004

Lims Bat #: LIMS-76524

Page 5 of 7

QC Batch Number: ICP-9283

| Sample Id | Analysis | QC Analysis | Values | Units | Limits | | |
|----------------------|----------------------|----------------------|-----------|-----------------|--------|---------------|--|
| 04B01878 | Beryllium | Sample Amount | 0.27 | mg/kg dry wt. | | | |
| | | Duplicate Value | 0.29 | mg/kg dry wt. | | | |
| | | Duplicate RPD | 8.70 | % | 0-50 | | |
| | | Sample Amount | 0.27 | mg/kg dry wt. | | | |
| | | Matrix Spk Amt Added | 122.09 | mg/kg dry wt. | | | |
| | | MS Amt Measured | 106.52 | mg/kg dry wt. | | | |
| | Lead | Matrix Spike % Rec. | 87.03 | % | 70-130 | | |
| | | Sample Amount | <3.05 | mg/kg dry wt. | | | |
| | | Matrix Spk Amt Added | 122.09 | mg/kg dry wt. | | | |
| | | MS Amt Measured | 105.61 | mg/kg dry wt. | | | |
| | | Matrix Spike % Rec. | 86.50 | % | 70-130 | | |
| | | 04B01881 | Beryllium | Sample Amount | 0.19 | mg/kg dry wt. | |
| | | | | Duplicate Value | 0.18 | mg/kg dry wt. | |
| Duplicate RPD | 5.71 | | | % | 0-50 | | |
| Sample Amount | 0.19 | | | mg/kg dry wt. | | | |
| Matrix Spk Amt Added | 104.21 | | | mg/kg dry wt. | | | |
| MS Amt Measured | 86.13 | | | mg/kg dry wt. | | | |
| Lead | Matrix Spike % Rec. | | 82.47 | % | 70-130 | | |
| | Sample Amount | | 23.96 | mg/kg dry wt. | | | |
| | Duplicate Value | | 24.49 | mg/kg dry wt. | | | |
| | Duplicate RPD | | 2.19 | % | 0-50 | | |
| | Sample Amount | | 23.96 | mg/kg dry wt. | | | |
| | Matrix Spk Amt Added | | 104.21 | mg/kg dry wt. | | | |
| | MS Amt Measured | | 105.20 | mg/kg dry wt. | | | |
| Matrix Spike % Rec. | 77.96 | % | 70-130 | | | | |
| 04B01891 | Beryllium | Sample Amount | 0.66 | mg/kg dry wt. | | | |
| | | Duplicate Value | 0.69 | mg/kg dry wt. | | | |
| | | Duplicate RPD | 4.88 | % | 0-50 | | |
| | | Sample Amount | 0.66 | mg/kg dry wt. | | | |
| | | Matrix Spk Amt Added | 110.18 | mg/kg dry wt. | | | |
| | | MS Amt Measured | 106.02 | mg/kg dry wt. | | | |
| | Lead | Matrix Spike % Rec. | 95.62 | % | 70-130 | | |
| | | Sample Amount | 4.94 | mg/kg dry wt. | | | |
| | | Duplicate Value | 4.81 | mg/kg dry wt. | | | |
| | | Duplicate RPD | 2.60 | % | 0-50 | | |
| | | Sample Amount | 4.94 | mg/kg dry wt. | | | |
| | | Matrix Spk Amt Added | 110.18 | mg/kg dry wt. | | | |
| | | MS Amt Measured | 105.90 | mg/kg dry wt. | | | |
| Matrix Spike % Rec. | 91.63 | % | 70-130 | | | | |
| BLANK-57217 | Arsenic | Blank | <5.00 | mg/kg dry wt. | | | |



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/18/2004

Lims Bat #: LIMS-76524

Page 6 of 7

QC Batch Number: ICP-9283

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|---------------|-----------|----------------------|--------|---------------|--------|
| BLANK-57217 | Beryllium | Blank | <0.10 | mg/kg dry wt. | |
| | Lead | Blank | <2.50 | mg/kg dry wt. | |
| LFBLANK-30300 | Arsenic | Lab Fort Blank Amt. | 100.00 | mg/kg dry wt. | |
| | | Lab Fort Blk. Found | 88.80 | mg/kg dry wt. | |
| | | Lab Fort Blk. % Rec. | 88.80 | % | 80-120 |
| | Beryllium | Lab Fort Blank Amt. | 100.00 | mg/kg dry wt. | |
| | | Lab Fort Blk. Found | 92.15 | mg/kg dry wt. | |
| | | Lab Fort Blk. % Rec. | 92.15 | % | 80-120 |
| | Lead | Lab Fort Blank Amt. | 100.00 | mg/kg dry wt. | |
| | | Lab Fort Blk. Found | 88.50 | mg/kg dry wt. | |
| | | Lab Fort Blk. % Rec. | 88.50 | % | 80-120 |



QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/18/2004

Lims Bat #: LIMS-76524

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QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

| | |
|-----------------------|--|
| QC BATCH NUMBER | This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data. |
| LIMITS | Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined. |
| Sample Amount | Amount of analyte found in a sample. |
| Blank | Method Blank that has been taken though all the steps of the analysis. |
| LFBLANK | Laboratory Fortified Blank (a control sample) |
| STDADD | Standard Added (a laboratory control sample) |
| Matrix Spk Amt Added | Amount of analyte spiked into a sample |
| MS Amt Measured | Amount of analyte found including amount that was spiked |
| Matrix Spike % Rec. | % Recovery of spiked amount in sample. |
| Duplicate Value | The result from the Duplicate analysis of the sample. |
| Duplicate RPD | The Relative Percent Difference between two Duplicate Analyses. |
| Surrogate Recovery | The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods. |
| Sur. Recovery (ELCD) | Surrogate Recovery on the Electrolytic Conductivity Detector. |
| Sur. Recovery (PID) | Surrogate Recovery on the Photoionization Detector. |
| Standard Measured | Amount measured for a laboratory control sample |
| Standard Amt Added | Known value for a laboratory control sample |
| Standard % Recovery | % recovered for a laboratory control sample with a known value. |
| Lab Fort Blank Amt | Laboratory Fortified Blank Amount Added |
| Lab Fort Blk. Found | Laboratory Fortified Blank Amount Found |
| Lab Fort Blk % Rec | Laboratory Fortified Blank % Recovered |
| Dup Lab Fort Bl Amt | Duplicate Laboratory Fortified Blank Amount Added |
| Dup Lab Fort Bl Fnd | Duplicate Laboratory Fortified Blank Amount Found |
| Dup Lab Fort Bl % Rec | Duplicate Laboratory Fortified Blank % Recovery |
| Lab Fort Blank Range | Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate). |
| Lab Fort Bl. Av. Rec. | Laboratory Fortified Blank Average Recovery |
| Duplicate Sample Amt | Sample Value for Duplicate used with Matrix Spike Duplicate |
| MSD Amount Added | Matrix Spike Duplicate Amount Added (Spiked) |
| MSD Amt Measured | Matrix Spike Duplicate Amount Measured |
| MSD % Recovery | Matrix Spike Duplicate % Recovery |
| MSD Range | Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries |



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 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

CHAIN OF C TODAY RECORD

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Company Name: LER
 Address: 250 Centerville Road
Building E Suite 12 Warrick, RT
 Attention: Tom Daley
 Project Location: 176 Sunnyside Ave
 Sampled By: Seth O'Connor

Telephone: (401) 738-3887
 Project # _____
 Client PO # _____
 DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #: 401-732-1686
 Email: _____
 Format: EXCEL PDF GIS KEY

Proposal Provided? (For Billing purposes)
 yes proposal date

| Field ID | Sample Description | Lab # | Date Sampled | | Comp- osite | Grab | *Matrix Code | # of containers | **Preservation | -Cont. Code |
|-----------|--------------------|-------|--------------------|-------------------|----------------|------|--------------|-----------------|----------------|-------------|
| | | | Start Date/Time | Stop Date/Time | | | | | | |
| MW-708-12 | | 01878 | 131 | 11/19/04 | X | | S | | | |
| B-100-4 | | 01879 | 1350 | | X | | S | | | |
| B-200-4 | | 01880 | 1410 | | X | | S | | | |
| B-300-4 | | 01881 | 1420 | | X | | S | | | |
| B-400-4 | | 01882 | 1435 | | X | | S | | | |
| B-500-4 | | 01883 | 1455 | | X | | S | | | |
| B-600-4 | | 01884 | 1500 | | X | | S | | | |
| B-700-4 | | 01885 | 1575 | | X | | S | | | |
| B-800-4 | | 01886 | 1530 | | X | | S | | | |
| B-900-4 | | 01887 | 1545 | V | X | | S | | | |

Relinquished by: (signature)
Seth O'Connor
 Date/Time: 1/20/04 0700
 Received by: (signature)
Seth O'Connor
 Date/Time: 1/20/04 0705
 Relinquished by: (signature)
Tom Daley
 Date/Time: 1-23-04 1030
 Received by: (signature)
Seth O'Connor
 Date/Time: 1-23-04 1030

ANALYSIS REQUESTED

VOCs
 Lead
 Arsenic
 Beryllium
 Dry weight

Comments:

*Matrix Codes:
 GW= groundwater
 WW= wastewater
 DW= drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other

Detection Limit Requirements
 Regulations? Direct Exposure
 Data Enhancement Project? Y N
 (MA MCP sites only)
 Special Requirements or DL's:
Lowest possible
 DL

**Preservation Codes:
 I = Ice
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other

Contest Analytical Laboratory is the ONLY independent laboratory in all of New England with both prestigious AIHA and NELAC Certifications!

12/31/04 1500



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CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Company Name: LER
 Address: 250 Centerville Road
Building E Suite 12 Warrimack, RI
 Attention: Tom Daley
 Project Location: 176 Sunnyside Ave
 Sampled By: Seth O'Connell

Telephone: (401) 781-3887
 Project # _____
 Client PO # _____
 DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #: 401-732-1686
 Email: _____
 Format: EXCEL PDF GIS KEY

Proposal Provided? (For Billing purposes)
 yes _____ proposal date

| Field ID | Sample Description | Lab # | Date Sampled | | Com- osite | Grab | Matrix Code | Lead | Arsenic | Benzilium | VOCs 8260 | Dry Weis 4f | ANALYSIS REQUESTED | # of containers | **Preservation | -Cont Code | Comments: |
|----------|--------------------|-------|--------------------|-------------------|---------------|------|-------------|------|---------|-----------|-----------|-------------|--------------------|-----------------|----------------|------------|-----------|
| | | | Start Date/Time | Stop Date/Time | | | | | | | | | | | | | |
| | B-1000-41 | 01888 | 1000 | 11/19/04 | X | | S | X | X | X | | | | | | | |
| | B-1100-41 | 01889 | 1000 | 11/19/04 | X | | S | X | X | X | | | | | | | |
| | B-1200-41 | 01890 | 1000 | 11/19/04 | X | | S | X | X | X | | | | | | | |
| | B-1300-41 | 01891 | 1000 | 11/19/04 | X | | S | X | X | X | | | | | | | |
| | MW-5 8'-12' | 01892 | 1100 | 11/19/04 | X | | S | X | X | X | | | | | | | |
| | MW-6 8'-12' | 01893 | 1100 | 11/19/04 | X | | S | X | X | X | | | | | | | |
| | MW-5 0'-4' | 01894 | 10:00 | 11/19/04 | X | | S | X | X | X | | | | | | | |
| | MW-6 0'-4' | 01895 | 11:00 | 11/19/04 | X | | S | X | X | X | | | | | | | |
| | MW-7 0'-4' | 01896 | 13:00 | 11/19/04 | X | | S | X | X | X | | | | | | | |

Relinquished by: (signature) [Signature] Date/Time: 1/20/04 0700
 Received by: (signature) [Signature] Date/Time: 1/20/04 0705
 Relinquished by: (signature) [Signature] Date/Time: 1-23-04 1030
 Received by: (signature) [Signature] Date/Time: 1-23-04 1030

Turnaround
 24 Hour
 48 Hour
 72 Hour
 Std.
 Other**
 Date needed**
 *Require lab approval.

Detection Limit Requirements
 Regulations? RI Dica
 Data Enhancement Project? Y N
 (MA MCP sites only)
 Special Requirements or DL's:
Lowest possible DL

**Matrix Code:
 GW= groundwater
 WW= wastewater
 DW= drinking water
 A= air
 S= soil/solid
 SL= sludge
 O= other

**Preservation Codes:
 I = Iced X = Na hydroxide
 H = HCL T = Na thiosulfate
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other

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For [Signature] 1/23/04 1500



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REPORT DATE 2/6/2004

LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886
ATTN: TOM DALEY

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-76640
JOB NUMBER: 081-12140-02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 176 SUNNYSIDE AVE. WOONSOCKET, RI.

| FIELD SAMPLE # | LAB ID | MATRIX | SAMPLE DESCRIPTION | TEST |
|----------------|----------|------------|--------------------|------------|
| MW-5 | 04B02415 | GRND WATER | NOT SPECIFIED | 8260 water |
| MW-6 | 04B02418 | GRND WATER | NOT SPECIFIED | 8260 water |
| MW-7 | 04B02417 | GRND WATER | NOT SPECIFIED | 8260 water |
| TRIP BLANK | 04B02418 | WATER OTHE | NOT SPECIFIED | 8260 water |

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

| | |
|----------------------|---------------------------------|
| AIHA 100033 | AIHA ELLAP (LEAD) 100033 |
| MASSACHUSETTS MA0100 | NEW HAMPSHIRE 2516 |
| CONNECTICUT PH-0567 | VERMONT DOH (LEAD) No. LL015036 |
| NEW YORK ELAP 10899 | RHODE ISLAND (LIC. No. 112) |

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 2/6/04

SIGNATURE

DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director



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TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

Purchase Order No.:

2/6/2004
 Page 1 of 13

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.
 Date Received: 1/30/2004
 Field Sample #: MW-5

LIMS-BAT #: LIMS-76640
 Job Number: 081-12140-02

Sample ID : 04B02415 Sampled : 1/29/2004
 NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|-----|
| | | | | | | Lo | Hi | |
| Acetone | ug/l | ND | 02/05/04 | MFF | 50.0 | | | |
| Acrolein | ug/l | ND | 02/05/04 | MFF | 100. | | | |
| Acrylonitrile | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| tert-Amylmethyl Ether | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Benzene | ug/l | 5.6 | 02/05/04 | MFF | 3.0 | | | |
| Bromobenzene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Bromochloromethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| Bromodichloromethane | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Bromomethane | ug/l | ND | 02/05/04 | MFF | 6.0 | | | |
| Bromoform | ug/l | ND | 02/05/04 | MFF | 6.0 | | | |
| 2-Butanone (MEK) | ug/l | ND | 02/05/04 | MFF | 50.0 | | | |
| tert-Butyl Alcohol | ug/l | ND | 02/05/04 | MFF | 100. | | | |
| n-Butylbenzene | ug/l | 4.0 | 02/05/04 | MFF | 3.5 | | | |
| sec-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| tert-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| tert-Butylethyl Ether | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Carbon Disulfide | ug/l | ND | 02/05/04 | MFF | 15.0 | | | |
| Carbon Tetrachloride | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Chlorobenzene | ug/l | 14.3 | 02/05/04 | MFF | 3.0 | | | |
| Chlorodibromomethane | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Chloroethane | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| 2-Chloroethylvinylether | ug/l | ND | 02/05/04 | MFF | 48.0 | | | |
| Chloroform | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Chloromethane | ug/l | ND | 02/05/04 | MFF | 6.0 | | | |
| 2-Chlorotoluene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| 4-Chlorotoluene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| 1,2-Dibromo-3-Chloropropane | ug/l | ND | 02/05/04 | MFF | 8.0 | | | |
| 1,2-Dibromoethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| Dibromomethane | ug/l | ND | 02/05/04 | MFF | 5.5 | | | |
| 1,2-Dichlorobenzene | ug/l | 44.2 | 02/05/04 | MFF | 4.0 | | | |

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* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

2/6/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.
 Date Received: 1/30/2004
 Field Sample #: MW-5

LIMS-BAT #: LIMS-76640
 Job Number: 081-12140-02

Sample ID : 04B02415 Sampled : 1/29/2004
 NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/ F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|------|
| | | | | | | Lo | Hi | |
| 1,3-Dichlorobenzene | ug/l | 128. | 02/05/04 | MFF | 3.0 | | | |
| 1,4-Dichlorobenzene | ug/l | 313. | 02/05/04 | MFF | 4.0 | | | |
| cis-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 12.0 | | | |
| trans-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 10.5 | | | |
| Dichlorodifluoromethane | ug/l | ND | 02/05/04 | MFF | 5.0 | | | |
| 1,1-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,2-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 4.5 | | | |
| 1,1-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| cis-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| trans-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| 1,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| 1,3-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| 2,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 4.5 | | | |
| 1,1-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| cis-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| trans-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Diethyl Ether | ug/l | ND | 02/05/04 | MFF | 10.0 | | | |
| Diisopropyl Ether | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| 1,4-Dioxane | ug/l | ND | 02/05/04 | MFF | 250. | | | |
| Ethyl Benzene | ug/l | 1440. | 02/05/04 | MFF | 3.0 | | | |
| Ethyl Methacrylate | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Hexachlorobutadiene | ug/l | ND | 02/05/04 | MFF | 6.5 | | | |
| 2-Hexanone | ug/l | ND | 02/05/04 | MFF | 48.5 | | | |
| Iodomethane | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Isopropylbenzene | ug/l | 11.0 | 02/05/04 | MFF | 2.0 | | | |
| p-Isopropyltoluene | ug/l | 10.8 | 02/05/04 | MFF | 3.5 | | | |
| MTBE | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Methylene Chloride | ug/l | ND | 02/05/04 | MFF | 15.0 | | | |
| MIBK | ug/l | ND | 02/05/04 | MFF | 44.0 | | | |
| Naphthalene | ug/l | 6.8 | 02/05/04 | MFF | 5.0 | | | |

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 WARWICK, RI 02886

2/6/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.
 Date Received: 1/30/2004
 Field Sample #: MW-5

LIMS-BAT #: LIMS-76640
 Job Number: 081-12140-02

Sample ID: 04B02415 Sampled: 1/29/2004
 NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/ F |
|---------------------------|-------|---------|---------------|---------|------|------------|----|------|
| | | | | | | Lo | Hi | |
| n-Propylbenzene | ug/l | 10.5 | 02/05/04 | MFF | 4.0 | | | |
| Styrene | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,1,1,2-Tetrachloroethane | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| 1,1,2,2-Tetrachloroethane | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Tetrachloroethylene | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Tetrahydrofuran | ug/l | ND | 02/05/04 | MFF | 25.0 | | | |
| Toluene | ug/l | 83.4 | 02/05/04 | MFF | 3.5 | | | |
| 1,2,3-Trichlorobenzene | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,2,4-Trichlorobenzene | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,1,1-Trichloroethane | ug/l | ND | 02/05/04 | MFF | 4.5 | | | |
| 1,1,2-Trichloroethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| Trichloroethylene | ug/l | ND | 02/05/04 | MFF | 5.0 | | | |
| Trichlorofluoromethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,2,3-Trichloropropane | ug/l | ND | 02/05/04 | MFF | 6.5 | | | |
| 1,2,4-Trimethylbenzene | ug/l | 151. | 02/05/04 | MFF | 3.5 | | | |
| 1,3,5-Trimethylbenzene | ug/l | 75.6 | 02/05/04 | MFF | 5.0 | | | |
| Vinyl Acetate | ug/l | ND | 02/05/04 | MFF | 82.0 | | | |
| Vinyl Chloride | ug/l | ND | 02/05/04 | MFF | 1.5 | | | |
| m + p Xylene | ug/l | 1240. | 02/05/04 | MFF | 6.5 | | | |
| o-Xylene | ug/l | 1880. | 02/05/04 | MFF | 2.5 | | | |

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.

LIMS-BAT #: LIMS-76640

Date Received: 1/30/2004

Job Number: 081-12140-02

Field Sample #: MW-6

Sample ID: 04B02416

Sampled: 1/29/2004

NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/ F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|------|
| | | | | | | Lo | Hi | |
| 1,3-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| 1,4-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| cis-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 12.0 | | | |
| trans-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 10.5 | | | |
| Dichlorodifluoromethane | ug/l | ND | 02/05/04 | MFF | 5.0 | | | |
| 1,1-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,2-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 4.5 | | | |
| 1,1-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| cis-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| trans-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| 1,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| 1,3-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| 2,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 4.5 | | | |
| 1,1-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| cis-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| trans-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Diethyl Ether | ug/l | ND | 02/05/04 | MFF | 10.0 | | | |
| Diisopropyl Ether | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| 1,4-Dioxane | ug/l | ND | 02/05/04 | MFF | 250. | | | |
| Ethyl Benzene | ug/l | 12900. | 02/05/04 | MFF | 3.0 | | | |
| Ethyl Methacrylate | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Hexachlorobutadiene | ug/l | ND | 02/05/04 | MFF | 6.5 | | | |
| 2-Hexanone | ug/l | ND | 02/05/04 | MFF | 48.5 | | | |
| Iodomethane | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Isopropylbenzene | ug/l | 235. | 02/05/04 | MFF | 2.0 | | | |
| p-Isopropyltoluene | ug/l | 8.2 | 02/05/04 | MFF | 3.5 | | | |
| MTBE | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Methylene Chloride | ug/l | ND | 02/05/04 | MFF | 15.0 | | | |
| MIBK | ug/l | ND | 02/05/04 | MFF | 44.0 | | | |
| Naphthalene | ug/l | 99.0 | 02/05/04 | MFF | 5.0 | | | |

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.
Date Received: 1/30/2004
Field Sample #: MW-6

LIMS-BAT #: LIMS-76640
Job Number: 081-12140-02

Sample ID : 04B02416
Sampled : 1/29/2004
NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/ F |
|---------------------------|-------|---------|---------------|---------|------|------------|----|------|
| | | | | | | Lo | Hi | |
| n-Propylbenzene | ug/l | 85.2 | 02/05/04 | MFF | 4.0 | | | |
| Styrene | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,1,1,2-Tetrachloroethane | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| 1,1,2,2-Tetrachloroethane | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Tetrachloroethylene | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Tetrahydrofuran | ug/l | ND | 02/05/04 | MFF | 25.0 | | | |
| Toluene | ug/l | 3400. | 02/05/04 | MFF | 3.5 | | | |
| 1,2,3-Trichlorobenzene | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,2,4-Trichlorobenzene | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,1,1-Trichloroethane | ug/l | ND | 02/05/04 | MFF | 4.5 | | | |
| 1,1,2-Trichloroethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| Trichloroethylene | ug/l | ND | 02/05/04 | MFF | 5.0 | | | |
| Trichlorofluoromethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,2,3-Trichloropropane | ug/l | ND | 02/05/04 | MFF | 6.5 | | | |
| 1,2,4-Trimethylbenzene | ug/l | 550. | 02/05/04 | MFF | 3.5 | | | |
| 1,3,5-Trimethylbenzene | ug/l | 246. | 02/05/04 | MFF | 5.0 | | | |
| Vinyl Acetate | ug/l | ND | 02/05/04 | MFF | 82.0 | | | |
| Vinyl Chloride | ug/l | ND | 02/05/04 | MFF | 1.5 | | | |
| m + p Xylene | ug/l | 39900. | 02/05/04 | MFF | 6.5 | | | |
| o-Xylene | ug/l | 17200. | 02/05/04 | MFF | 2.5 | | | |

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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TOM DALEY
 LEVINÉ FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

2/6/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.

LIMS-BAT #: LIMS-76640

Date Received: 1/30/2004

Job Number: 081-12140-02

Field Sample #: MW-7

Sample ID: 04B02417

Sampled: 1/29/2004
 NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|-----|
| | | | | | | Lo | Hi | |
| Acetone | ug/l | ND | 02/05/04 | MFF | 10.0 | | | |
| Acrolein | ug/l | ND | 02/05/04 | MFF | 20.0 | | | |
| Acrylonitrile | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| tert-Amylmethyl Ether | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Benzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| Bromobenzene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Bromochloromethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| Bromodichloromethane | ug/l | ND | 02/05/04 | MFF | 0.4 | | | |
| Bromomethane | ug/l | ND | 02/05/04 | MFF | 1.2 | | | |
| Bromoform | ug/l | ND | 02/05/04 | MFF | 1.2 | | | |
| 2-Butanone (MEK) | ug/l | ND | 02/05/04 | MFF | 10.0 | | | |
| tert-Butyl Alcohol | ug/l | ND | 02/05/04 | MFF | 20.0 | | | |
| n-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| sec-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| tert-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| tert-Butylethyl Ether | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Carbon Disulfide | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| Carbon Tetrachloride | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Chlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| Chlorodibromomethane | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Chloroethane | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| 2-Chloroethylvinylether | ug/l | ND | 02/05/04 | MFF | 9.6 | | | |
| Chloroform | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Chloromethane | ug/l | ND | 02/05/04 | MFF | 1.2 | | | |
| 2-Chlorotoluene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 4-Chlorotoluene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 1,2-Dibromo-3-Chloropropane | ug/l | ND | 02/05/04 | MFF | 1.6 | | | |
| 1,2-Dibromoethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| Dibromomethane | ug/l | ND | 02/05/04 | MFF | 1.1 | | | |
| 1,2-Dichlorobenzene | ug/l | 1.5 | 02/05/04 | MFF | 0.8 | | | |

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.
 Date Received: 1/30/2004
 Field Sample #: MW-7

LIMS-BAT #: LIMS-76640
 Job Number: 081-12140-02

Sample ID: 04B02417 Sampled: 1/29/2004
 NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/ F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|------|
| | | | | | | Lo | Hi | |
| 1,3-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 1,4-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| cis-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 2.4 | | | |
| trans-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 2.1 | | | |
| Dichlorodifluoromethane | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |
| 1,1-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,2-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 0.9 | | | |
| 1,1-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| cis-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| trans-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| 1,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 1,3-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| 2,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 0.9 | | | |
| 1,1-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| cis-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| trans-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 0.4 | | | |
| Diethyl Ether | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Diisopropyl Ether | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| 1,4-Dioxane | ug/l | ND | 02/05/04 | MFF | 50.0 | | | |
| Ethyl Benzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| Ethyl Methacrylate | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Hexachlorobutadiene | ug/l | ND | 02/05/04 | MFF | 1.3 | | | |
| 2-Hexanone | ug/l | ND | 02/05/04 | MFF | 9.7 | | | |
| Iodomethane | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Isopropylbenzene | ug/l | ND | 02/05/04 | MFF | 0.4 | | | |
| p-Isopropyltoluene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| MTBE | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Methylene Chloride | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| MIBK | ug/l | ND | 02/05/04 | MFF | 8.8 | | | |
| Naphthalene | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |

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2/6/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.
 Date Received: 1/30/2004
 Field Sample #: MW-7

LIMS-BAT #: LIMS-76640
 Job Number: 081-12140-02

Sample ID: 04B02417 Sampled: 1/29/2004
 NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/F |
|---------------------------|-------|---------|---------------|---------|------|------------|----|-----|
| | | | | | | Lo | Hi | |
| n-Propylbenzene | ug/l | 0.9 | 02/05/04 | MFF | 0.8 | | | |
| Styrene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,1,1,2-Tetrachloroethane | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| 1,1,2,2-Tetrachloroethane | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Tetrachloroethylene | ug/l | 0.8 | 02/05/04 | MFF | 0.4 | | | |
| Tetrahydrofuran | ug/l | ND | 02/05/04 | MFF | 5.0 | | | |
| Toluene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,2,3-Trichlorobenzene | ug/l | 80.9 | 02/05/04 | MFF | 0.7 | | | |
| 1,2,4-Trichlorobenzene | ug/l | 50.2 | 02/05/04 | MFF | 0.7 | | | |
| 1,1,1-Trichloroethane | ug/l | ND | 02/05/04 | MFF | 0.9 | | | |
| 1,1,2-Trichloroethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| Trichloroethylene | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |
| Trichlorofluoromethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,2,3-Trichloropropane | ug/l | ND | 02/05/04 | MFF | 1.3 | | | |
| 1,2,4-Trimethylbenzene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,3,5-Trimethylbenzene | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |
| Vinyl Acetate | ug/l | ND | 02/05/04 | MFF | 16.4 | | | |
| Vinyl Chloride | ug/l | ND | 02/05/04 | MFF | 0.3 | | | |
| m + p Xylene | ug/l | ND | 02/05/04 | MFF | 1.3 | | | |
| o-Xylene | ug/l | 1.1 | 02/05/04 | MFF | 0.5 | | | |

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

Purchase Order No.:

2/6/2004
 Page 11 of 13

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.
 Date Received: 1/30/2004
 Field Sample #: TRIP BLANK

LIMS-BAT #: LIMS-76640
 Job Number: 081-12140-02

Sample ID: 04B02418
 Sampled: 1/29/2004
 NOT SPECIFIED

Sample Matrix: WATER OTHER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|-----|
| | | | | | | Lo | Hi | |
| 1,3-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 1,4-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| cis-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 2.4 | | | |
| trans-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 2.1 | | | |
| Dichlorodifluoromethane | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |
| 1,1-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,2-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 0.9 | | | |
| 1,1-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| cis-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| trans-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| 1,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 1,3-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| 2,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 0.9 | | | |
| 1,1-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| cis-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| trans-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 0.4 | | | |
| Diethyl Ether | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Diisopropyl Ether | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| 1,4-Dioxane | ug/l | ND | 02/05/04 | MFF | 50.0 | | | |
| Ethyl Benzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| Ethyl Methacrylate | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Hexachlorobutadiene | ug/l | ND | 02/05/04 | MFF | 1.3 | | | |
| 2-Hexanone | ug/l | ND | 02/05/04 | MFF | 9.7 | | | |
| Iodomethane | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Isopropylbenzene | ug/l | ND | 02/05/04 | MFF | 0.4 | | | |
| p-Isopropyltoluene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| MTBE | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Methylene Chloride | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| MIBK | ug/l | ND | 02/05/04 | MFF | 8.8 | | | |
| Naphthalene | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |

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TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

Purchase Order No.:

2/6/2004
 Page 12 of 13

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.

LIMS-BAT #: LIMS-76640

Date Received: 1/30/2004

Job Number: 081-12140-02

Field Sample #: TRIP BLANK

Sample ID : 04B02418

Sampled : 1/29/2004
 NOT SPECIFIED

Sample Matrix: WATER OTHER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/F |
|---------------------------|-------|---------|---------------|---------|------|------------|----|-----|
| | | | | | | Lo | Hi | |
| n-Propylbenzene | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Styrene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,1,1,2-Tetrachloroethane | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| 1,1,2,2-Tetrachloroethane | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Tetrachloroethylene | ug/l | ND | 02/05/04 | MFF | 0.4 | | | |
| Tetrahydrofuran | ug/l | ND | 02/05/04 | MFF | 5.0 | | | |
| Toluene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,2,3-Trichlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,2,4-Trichlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,1,1-Trichloroethane | ug/l | ND | 02/05/04 | MFF | 0.9 | | | |
| 1,1,2-Trichloroethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| Trichloroethylene | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |
| Trichlorofluoromethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,2,3-Trichloropropane | ug/l | ND | 02/05/04 | MFF | 1.3 | | | |
| 1,2,4-Trimethylbenzene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,3,5-Trimethylbenzene | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |
| Vinyl Acetate | ug/l | ND | 02/05/04 | MFF | 16.4 | | | |
| Vinyl Chloride | ug/l | ND | 02/05/04 | MFF | 0.3 | | | |
| m + p Xylene | ug/l | ND | 02/05/04 | MFF | 1.3 | | | |
| o-Xylene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

Purchase Order No.:

2/6/2004
Page 13 of 13

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.
Date Received: 1/30/2004

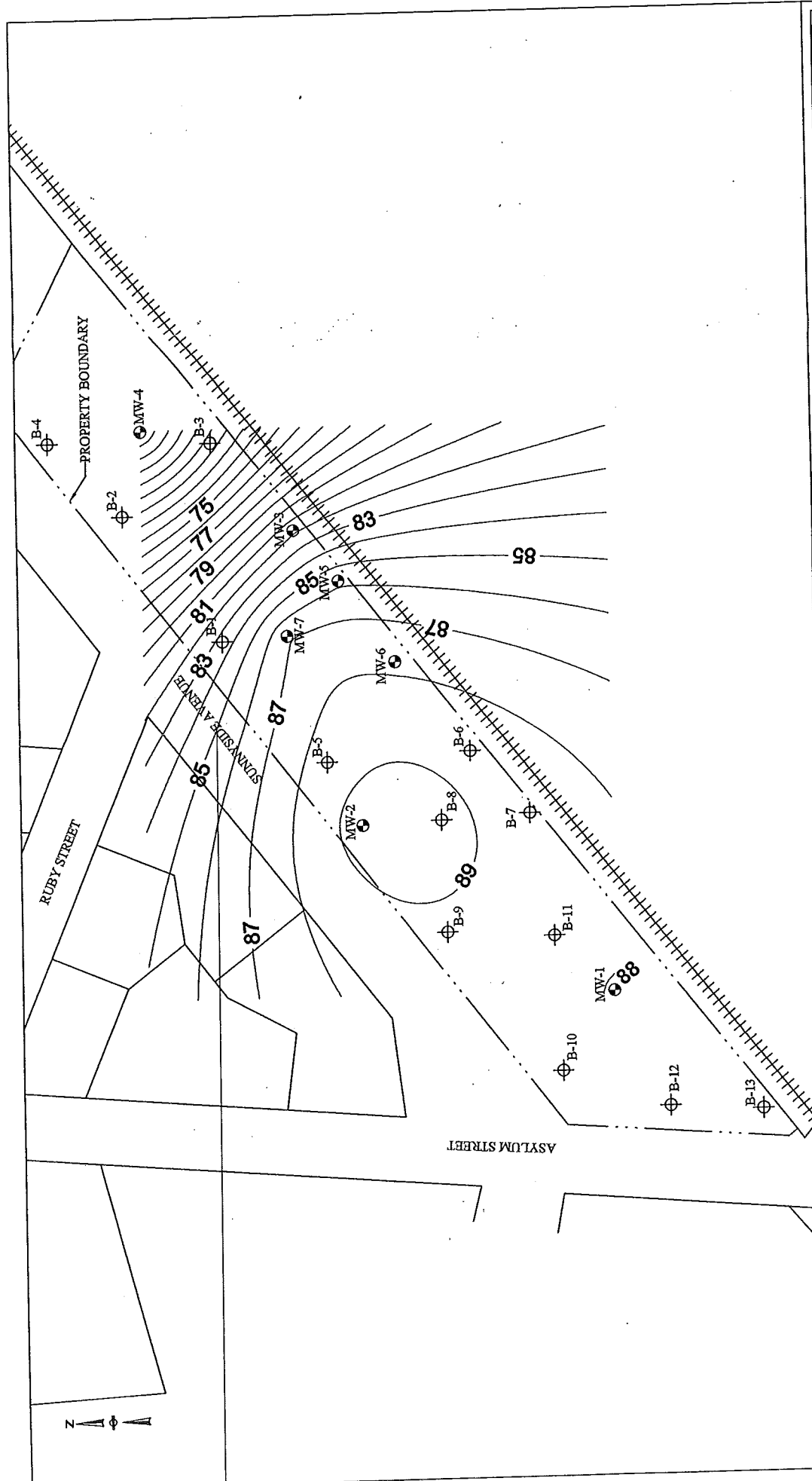
LIMS-BAT #: LIMS-76640
Job Number: 081-12140-02

** END OF REPORT **

RL = Reporting Limit
ND = Not Detected
NM = Not Measured

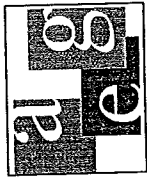
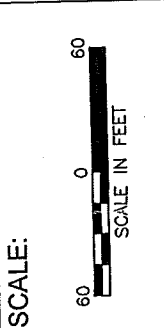
SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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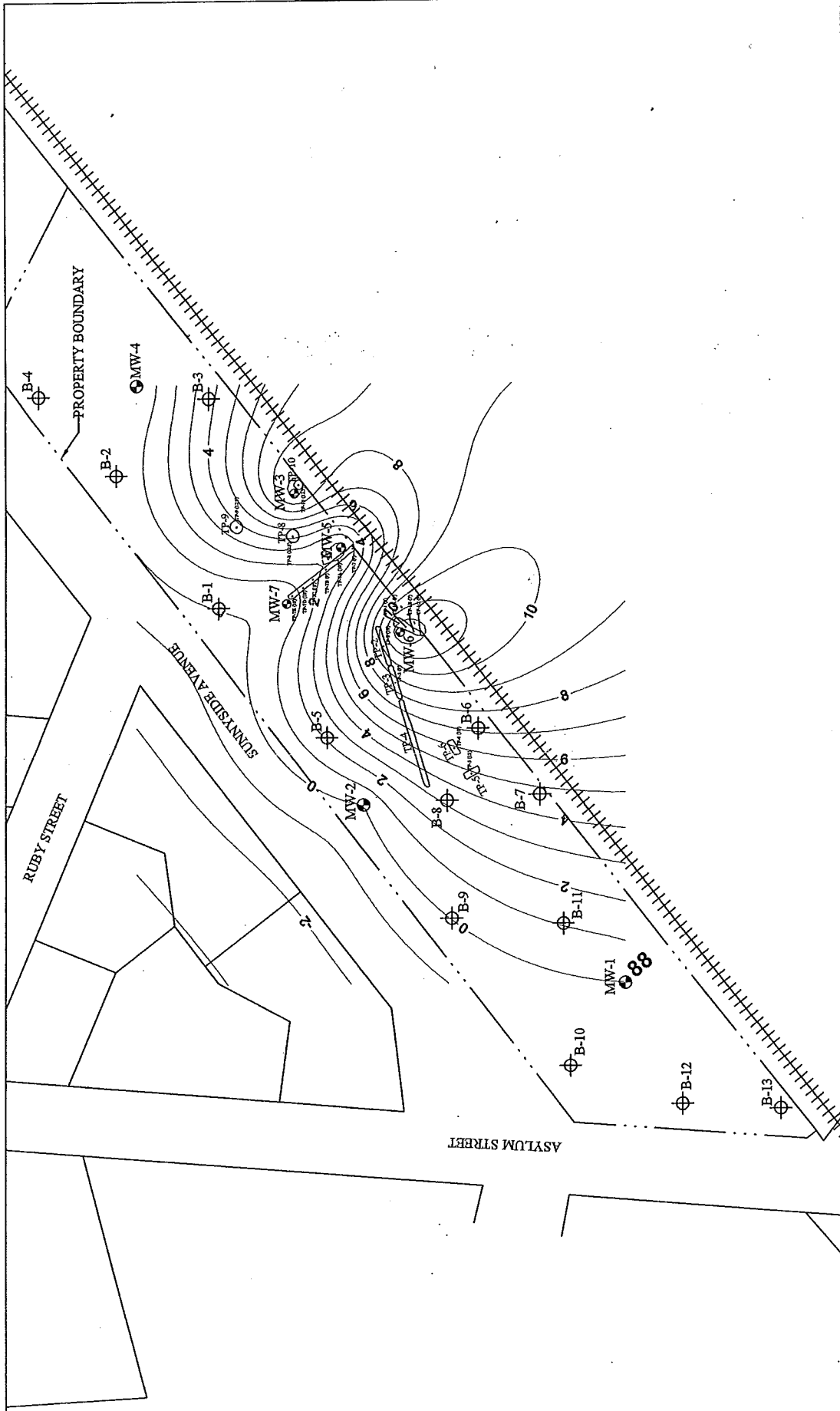


GROUNDWATER CONTOUR
176 SUNNYSIDE AVENUE, WOONSOCKET, RI
AEG PROJECT No. 1415

File: SitePlan.dwg Drawn by: JP Checked by: RCH



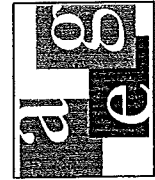
- NOTES:**
- ⊕ SOIL BORING (typ.) - LFR (2003-2004)
 - MONITORING WELL (typ.) - LFR (2003-2004)



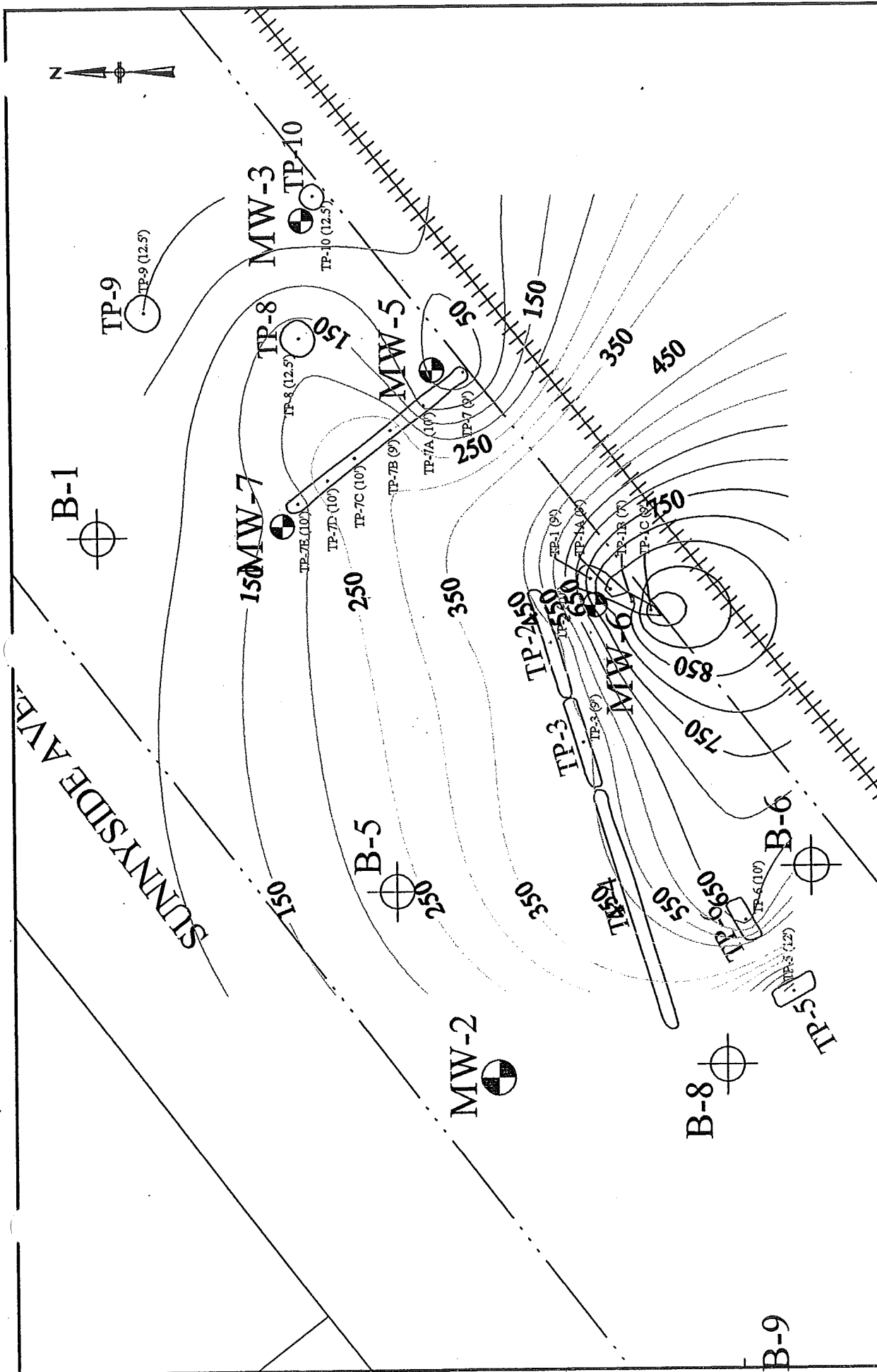
NOTES:

- ⊕ SOIL BORING (typ.) - LFR (2003-2004)
- MONITORING WELL (typ.) - LFR (2003-2004)

SCALE:

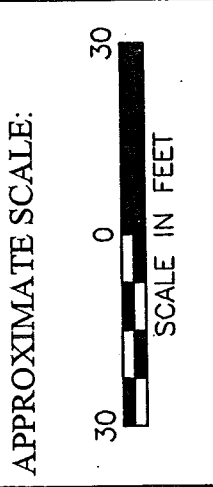


ETHYLBENZENE CONTOUR PLAN
 176 SUNNYSIDE AVENUE, WOONSOCKET, RI
 AEG PROJECT No. 1415

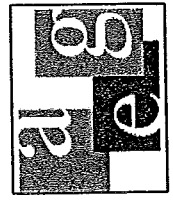


TEST PIT PLAN
 SUNNYSIDE AVENUE
 WOONSOCKET, RHODE ISLAND
 AEG Proj. 1415

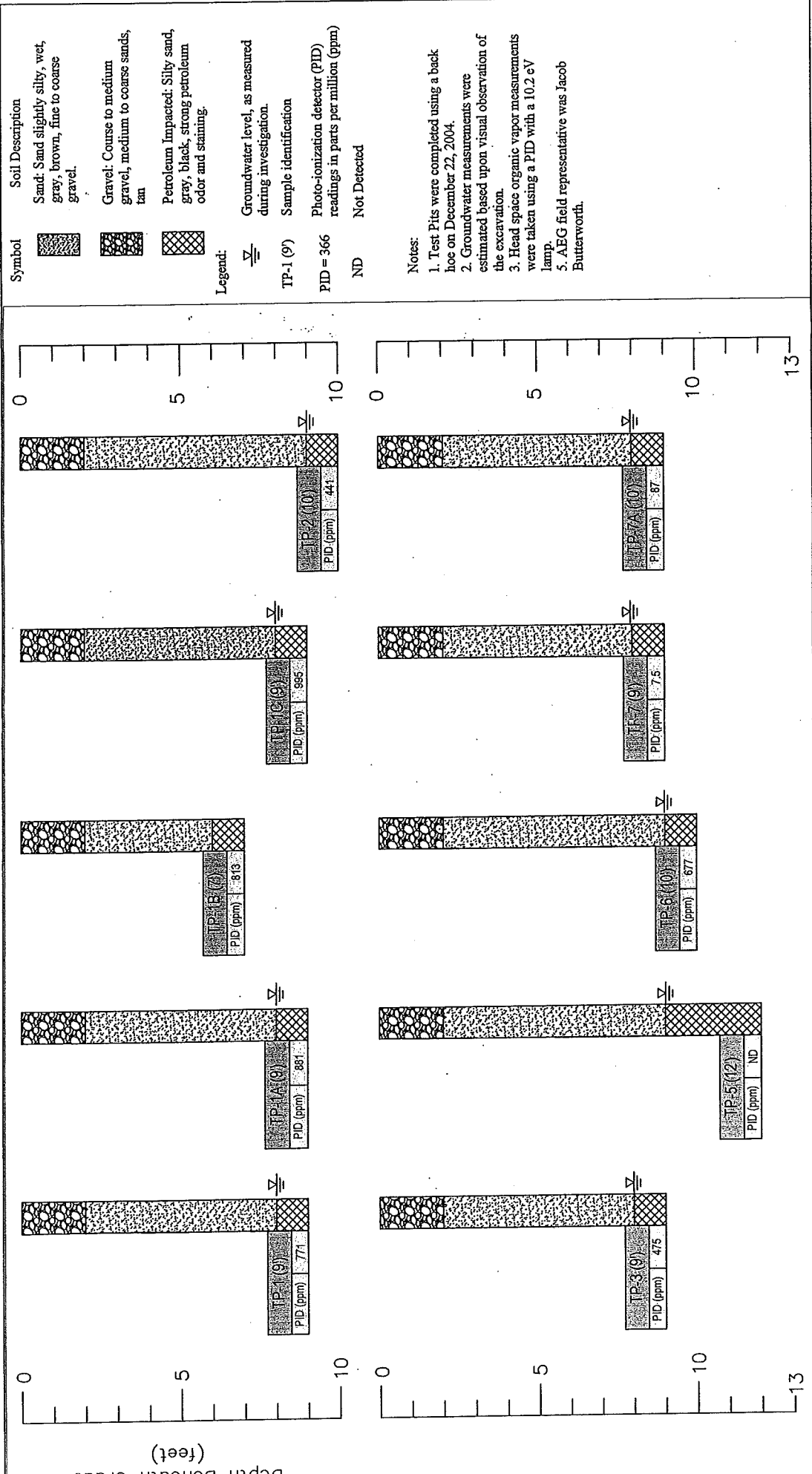
File: TestPits.dwg Drawn by: JP Checked by: RCH



NOTES:
 CONTOUR SHOWS HEADSPACE
 READINGS OBSERVED DURING
 FIELD ACTIVITIES



B-9



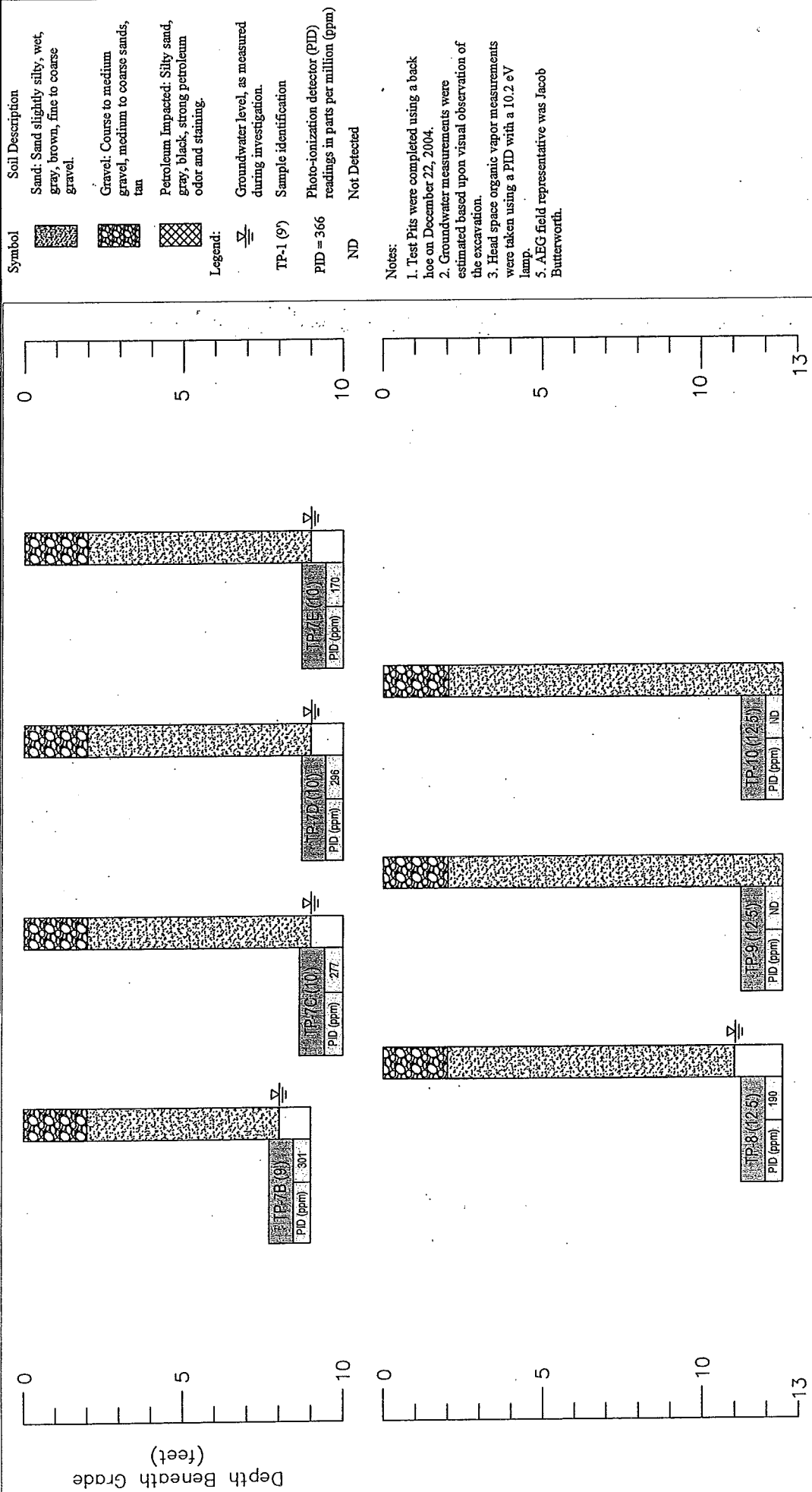
TEST PIT LOGS (TP-1 through TP-7A)
 176 SUNNYSIDE AVENUE, WOONSOCKET, RI
 AEG PROJECT No. 1415-02

File: TestPitLogs.dwg Drawn by: JHB Checked by: RCH

SCALE:
 NOT TO SCALE

PAGE 1 OF 2

Alliance Environmental Group, Inc.
 100 Jefferson Boulevard,
 Warwick RI 02888
 Telephone: 401.732.7600
 Fax: 401.732.7670



TEST PIT LOGS (TP-7B through TP-10)
 176 SUNNYSIDE AVENUE, WOONSOCKET, RI
 AEG PROJECT No. 1415-02

SCALE:
 NOT TO SCALE

PAGE 2 OF 2

Alliance Environmental Group, Inc.
 100 Jefferson Boulevard,
 Warwick RI 02888
 Telephone: 401.732.7600
 Fax: 401.732.7670

File: TestPitLogs.dwg Drawn by: JHB Checked by: RCH

Appendix B

Letter of Responsibility



RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767

TDD 401-222-4462

LETTER OF RESPONSIBILITY

CERTIFIED MAIL

May 31, 2005

Mr. Richard E. Kirby, Esq.
CKG Development Co., LLC
72 Pine Street, 2nd Floor
Providence, RI 02903

RE: 176 Sunnyside Avenue
Plat 3 / Lot 7
Woonsocket, RI 02895
Case No. 2005-051

Dear Mr. Kirby:

On February 24, 2004, the Rhode Island Department of Environmental Management (the Department) enacted the amended Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases, (Remediation Regulations). The purpose of these regulations is to create an integrated program requiring reporting, investigation and remediation of contaminated sites in order to eliminate and/or control threats to human health and the environment in an efficient manner. A Letter of Responsibility (LOR) is a preliminary document used by the Department to codify and define the relationship between the Department and a Responsible Party.

Please be advised of the following facts:

1. The Department is in receipt of a *Hazardous Material Release Notification Form* (Release Notification) submitted on May 6, 2005, by Mr. Richard C. Hittinger on the behalf of CKG Development Co., LLC The Release Notification was submitted for 176 Sunnyside Avenue in Woonsocket, Rhode Island, hereinafter referred to as the "Site."
2. CKG Development Co., LLC is identified as the current owner of the Site by the City of Woonsocket Tax Assessor's office and as such is a **Responsible Party** as defined by Rule 3.60 of the Remediation Regulations.
3. The above referenced Release Notification document identifies concentrations of hazardous substances in the Site soil and groundwater that exceed the Method 1 Residential Direct Exposure Criteria, the GB Groundwater Objectives, and the

GB Leachability Criteria as referenced in the Remediation Regulations.

4. Based upon the presence and nature of these **hazardous substances**, the Department concurs that a **release of hazardous materials** has occurred as defined by Rules 3.28, 3.29 and 3.54 of the Remediation Regulations.

As a result of the information known and the conditions observed at the Site, the Department requests that you comply with the following:

- a. Conduct Public Notification (Rule 7.07 of the Remediation Regulations) on or before June 18, 2005 to all property abutters that a site investigation is about to be performed concerning the release. The notification should also indicate that information is available for review at the Department. Copies of all notification letters should be sent to the Department simultaneously with the mailing to abutters.
- b. Conduct further investigation of the Site soil and groundwater in accordance with Section 7.0 of the Remediation Regulations.
- c. Upon completion of the Site Investigation, submit a Site Investigation Report (SIR) in accordance with Section 7.00 of the Remediation Regulations on or before August 5, 2005. Given that limited environmental investigation has already been performed at the Site, you may incorporate portions of the information already gathered and work already performed to address the items covered in Section 7.00. The SIR should include at least two remedial alternatives other than no action/natural attenuation alternative.
- d. Submit an SIR checklist along with the above-mentioned SIR. The SIR checklist has been created as a supplemental tool to expedite the reviewing and approval process by cross-referencing the specific sections and pages within the SIR that provide the detailed information that addresses each stated requirement within Section 7.00 of the Remediation Regulations.
- e. Upon approval by the Department of the Site Investigation Report, be prepared to bring the Site into compliance with the Remediation Regulations.

Be advised that **CKG Development Co., LLC**, as Site owner, is responsible for the proper investigation and, if necessary, remediation of hazardous materials at this Site. Also be advised that any remedial alternative that proposes to leave contaminated soil on-site at levels which exceed the Department's Residential Direct Exposure Criteria or applicable Groundwater Criteria will at a minimum necessitate the recording of an institutional control in the form of an Environmental Land Usage Restriction (ELUR) on the deed for the Site, and will likely require implementation of additional engineered controls to restrict human exposure.

As stated above, **CKG Development Co., LLC** must notify all abutting property owners and tenants that additional investigation is about to occur prior to the implementation of any investigation field activities in accordance with the Industrial Property Remediation and Reuse Act (Rhode Island General Law 23-19.14, Section 11) and the Remediation Regulations Section 7.07. The notice should briefly indicate the purpose of the investigation, the work to be performed and the approximate schedule date of activities. Failure to comply with any of the aforementioned laws and regulations may result in enforcement actions as specified in Rhode Island General Law 23-19.1-17 and 23-19.1-18.

Please notify this office within seven days of the receipt of this letter of your plans to address these items. All correspondence should be sent to the attention of:

Timothy M. Fleury
RIDEM / Office of Waste Management
235 Promenade Street
Providence, RI 02908

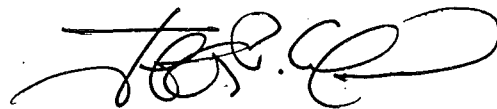
If you have any questions regarding this letter or would like the opportunity to meet with Department personnel, please contact me by telephone at (401) 222-2797-extension 7147 or by e-mail at tim.fleury@dem.ri.gov

Sincerely,



Timothy M. Fleury
Jr. Sanitary Engineer
Rhode Island DEM
Office of Waste Management

Authorized by,



Jeffrey P. Crawford
Principal Environmental Scientist
Rhode Island DEM
Office of Waste Management

cc: file
Kelly J. Owens, RIDEM / OWM
Richard C. Hittinger, AEG, Inc.

Appendix C

Copy of Notice to Abutters



Alliance Environmental Group, Inc.

100 Jefferson Boulevard, Warwick, Rhode Island 02888

Telephone: 401.732.7600; Fax: 401.732.7670

June 28, 2005

Mr. Samuel A. Ruiz
203 Sunnyside Avenue
Woonsocket, RI 02895

**RE: Notice of Site Investigation
Properties Located at and Adjacent to 176 Sunnyside Avenue
Woonsocket, Rhode Island**

To Whom It May Concern:

In accordance with the Rhode Island Department of Environmental Management's (RIDEM's) *Remediation Regulations*, Section 7.07(B), we hereby notify you that Alliance Environmental Group, Inc. (AEG) is conducting a Site Investigation at the above-referenced property (the "Site") on behalf of CKG Development Co., LLC. The City of Woonsocket Tax Assessor designates this property as Plat 3, Lot 7.

Following the completion of this investigation, AEG plans to submit a Site Investigation Report (SIR) to the RIDEM, including all of our findings and recommendations.

If you have any questions regarding this work or this report, contact Mr. Timothy M. Fleury at the RIDEM, Office of Waste Management, at 401-222-2797 ext. 7147.

Very truly yours,
Alliance Environmental Group, Inc.

A handwritten signature in black ink that reads "Rich Hittinger". The signature is written in a cursive style with a prominent 'R' and 'H'.

Richard C. Hittinger, MS
President



Alliance Environmental Group, Inc.

100 Jefferson Boulevard, Warwick, Rhode Island 02888
Telephone: 401.732.7600; Fax: 401.732.7670

June 28, 2005

Providence Worcester Railroad Co..
P.O. Box 16551
Worcester, MA 01601-6551

**RE: Notice of Site Investigation
Properties Located at and Adjacent to 176 Sunnyside Avenue
Woonsocket, Rhode Island**

To Whom It May Concern:

In accordance with the Rhode Island Department of Environmental Management's (RIDEM's) *Remediation Regulations*, Section 7.07(B), we hereby notify you that Alliance Environmental Group, Inc. (AEG) is conducting a Site Investigation at the above-referenced property (the "Site") on behalf of CKG Development Co., LLC. The City of Woonsocket Tax Assessor designates this property as Plat 3, Lot 7.

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Very truly yours,
Alliance Environmental Group, Inc.

A handwritten signature in cursive script, appearing to read 'Rich Hittinger', is written over a horizontal line.

Richard C. Hittinger, MS
President



Alliance Environmental Group, Inc.

100 Jefferson Boulevard, Warwick, Rhode Island 02888
Telephone: 401.732.7600; Fax: 401.732.7670

June 28, 2005

PJ O'Donnell & Sons Inc.
92 Sunnyside Avenue
Woonsocket, RI 02895

**RE: Notice of Site Investigation
Properties Located at and Adjacent to 176 Sunnyside Avenue
Woonsocket, Rhode Island**

To Whom It May Concern:

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Very truly yours,
Alliance Environmental Group, Inc.

A handwritten signature in black ink, appearing to read 'Rich Hittinger', written in a cursive style.

Richard C. Hittinger, MS
President



Alliance Environmental Group, Inc.

100 Jefferson Boulevard, Warwick, Rhode Island 02888

Telephone: 401.732.7600; Fax: 401.732.7670

June 28, 2005

Mr. Barry M. Karabeth
151 Sunnyside Avenue
Woonsocket, RI 02895

**RE: Notice of Site Investigation
Properties Located at and Adjacent to 176 Sunnyside Avenue
Woonsocket, Rhode Island**

To Whom It May Concern:

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Very truly yours,
Alliance Environmental Group, Inc.

A handwritten signature in cursive script, reading "Rich Hittinger". The signature is written in black ink and is positioned above the typed name of the signatory.

Richard C. Hittinger, MS
President



Alliance Environmental Group, Inc.

100 Jefferson Boulevard, Warwick, Rhode Island 02888
Telephone: 401.732.7600; Fax: 401.732.7670

June 28, 2005

Ms. Annabelle Koback
195 Sunnyside Avenue
Woonsocket, RI 02895

**RE: Notice of Site Investigation
Properties Located at and Adjacent to 176 Sunnyside Avenue
Woonsocket, Rhode Island**

To Whom It May Concern:

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Very truly yours,
Alliance Environmental Group, Inc.

Richard C. Hittinger, MS
President



Alliance Environmental Group, Inc.

100 Jefferson Boulevard, Warwick, Rhode Island 02888

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June 28, 2005

Woonsocket Housing Authority
679 Social Street Sunnyside Avenue
Woonsocket, RI 02895

**RE: Notice of Site Investigation
Properties Located at and Adjacent to 176 Sunnyside Avenue
Woonsocket, Rhode Island**

To Whom It May Concern:

In accordance with the Rhode Island Department of Environmental Management's (RIDEM's) *Remediation Regulations*, Section 7.07(B), we hereby notify you that Alliance Environmental Group, Inc. (AEG) is conducting a Site Investigation at the above-referenced property (the "Site") on behalf of CKG Development Co., LLC. The City of Woonsocket Tax Assessor designates this property as Plat 3, Lot 7.

Following the completion of this investigation, AEG plans to submit a Site Investigation Report (SIR) to the RIDEM, including all of our findings and recommendations.

If you have any questions regarding this work or this report, contact Mr. Timothy M. Fleury at the RIDEM, Office of Waste Management, at 401-222-2797 ext. 7147.

Very truly yours,
Alliance Environmental Group, Inc.

Richard C. Hittinger, MS
President

Appendix D

LFR Phase I ESA

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**Performed on:
176 Sunnyside Avenue
Plat 3, Lot 7
Woonsocket, Rhode Island**

**September 2003
LFR Project No. 081-12140-00**

**Prepared for:
Mr. Richard Kirby
Macktaaz, Keefer, & Kirby
72 Pine Street
Providence, Rhode Island 02903**



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1.0 SUMMARY

LFR Levine-Fricke (LFR) has conducted a Phase I Environmental Site Assessment (ESA) of the tract of land known as 176 Sunnyside Avenue, located south of Sunnyside Avenue and east of Asylum Street in the City of Woonsocket, Providence County, Rhode Island (the Site). The Site consists of an approximately 1.45-acre undeveloped tract of land.

The purpose of this assessment was to render an opinion as to whether surficial or historical evidence indicates the presence of recognized environmental conditions, which may have resulted in the presence of hazardous substances or petroleum to be present in the environment at the Site, as defined in the American Society for Testing and Materials (ASTM) Standard Practice E1527-00 for Phase I Environmental Site Assessments. To complete this assessment, LFR's scope of services included review of federal and state regulatory agency databases; contact with local environmental regulatory agencies to inquire about environmental conditions at the Site and its vicinity; review of the Site history; a reconnaissance of the Site and its vicinity; and interviews with people knowledgeable about the Site.

A summary of our key findings is provided below:

- The Site is a vacant tract of land.
- No evidence of the use or storage of petroleum products or hazardous materials was identified on the Site at the time of LFR's investigation. However, the Site was occupied by the Woonsocket Color & Chemical Company from the 1940s until the late 1980s. It is likely that hazardous materials were potentially stored at the Site during this time period.
- Based on a review of the city directories, it is possible that an oil company could have occupied the Site from the mid 1920s to the late 1930s.
- LFR retained FirstSearch Technology Corporation (FirstSearch) to conduct a search of various federal and state regulatory databases. According to the FirstSearch report, the Site is listed as an Emergency Response Notification System (ERNS) site. However, based on a review of the files available at Rhode Island Department of Environmental Management, the ERNS site is located at 92 Sunnyside Avenue, the property that abuts the Site to the east.

2.0 INTRODUCTION

In accordance with our proposal, LFR has conducted an Environmental Site Assessment of an approximately 1.45-acre tract of land known as 176 Sunnyside Avenue, located south of Sunnyside Avenue and east of Asylum Street, in the City of Woonsocket, Providence County, Rhode Island. This report presents the results of our assessment.

2.1 Purpose

The purpose of this assessment was to render an opinion as to whether surficial or historical evidence indicates the presence of recognized environmental conditions, which may have resulted in the presence of hazardous substances or petroleum in the environment at the Site, as defined in the American Society for Testing and Materials (ASTM) Standard Practice E1527-00 for Phase I Environmental Site Assessments.

2.2 Limitations and Exceptions of Assessment

This report has been prepared in general conformance with the scope and limitations of ASTM Practice E1527-00 and is subject to the Limitations in Appendix A and the Terms and Conditions in our proposal.

2.3 Limiting Conditions and Methodology Used

To complete this assessment, LFR's scope of services included the following:

- review of federal and state regulatory agency databases identified by ASTM for the Site and a selected radius around the Site;
- contact with local environmental regulatory agencies to inquire about environmental conditions at the Site and its vicinity;
- review of the Site history through available ASTM Standard Historical Sources;
- a reconnaissance of the Site to make surficial observations for evidence of recognized environmental conditions;
- a vicinity reconnaissance of properties located within a one-quarter mile of the Site;

- a review of adjoining properties to identify the potential use of hazardous materials;
- interviews with people knowledgeable about the Site regarding current and past Site usage and facility operations;
- performance of a preliminary visual survey for accessible suspect asbestos-containing materials; and
- preparation of this report.

3.0 SITE DESCRIPTION

The following information was obtained during LFR's reconnaissance of the Site and from interviews with people knowledgeable about the Site. Photographs of the Site taken during the reconnaissance are presented in Appendix B. Additional information concerning the use of the Site is presented throughout this report.

3.1 Location and Legal Description

The Site is an irregular shaped tract of land, approximately 1.45 acres in size, located south of Sunnyside Avenue and east of Asylum Street, in the City of Woonsocket. The Site has approximately 557 feet of frontage along Sunnyside Avenue and approximately 132 feet of Asylum Street. The Site is identified by the Town of Woonsocket Tax Assessor's office as Plat 3, Lot 7. A Site Locus Map is provided as Figure 1 and a plan of the Site is provided as Figure 2.

3.2 Site and Vicinity Characteristics

The Site is vacant land. A path runs east to west on the Site, and the remaining property is vegetated. The Site is located in a residentially zoned area. Single and multi-family residences are located north and west of the Site. Railroad tracks are located south of the Site. Beyond the railroad tracks, a residential structure was under construction. East of the Site is an abandoned commercial/industrial building.

3.3 Buildings, Roads, and Other Improvements on the Site

There were no structures located at the Site at the time of the Site visit. Several granite slabs, approximately 2 feet high by 2 feet wide by 4 feet long were observed along the northern border of the Site. A path, running east-west, was observed at the Site. Vegetation covered the remainder of the Site.

3.4 Specialized Knowledge or Experience of User

LFR was not provided with any information regarding former uses of the property.

3.5 Previous Environmental Reports/Investigations

LFR was provided with a letter from Mr. Richard Kirby of Mactaz, Keefer, & Kirby to Mr. Keith Bymes, the City Planner for Woonsocket. The letter, dated July 30, 2003, indicates that Northeast Environmental Testing performed analysis of the Site. According to a certificate of analysis that was attached to the letter, Northeast Environmental Testing completed laboratory analysis of 12 soil samples collected from 176 Sunnyside Avenue, identified as the "former building site", however, the exact sample locations were not identified. The 12 soil samples were laboratory analyzed for the 8 RCRA metals, pH, and flashpoint. Arsenic was detected at a concentration of 2.24 parts per billion (ppb) in the soil sample collected from Location #1. Selenium was also detected at a concentration of 1.54 parts per million (ppm) in the soil sample collected from Location #1. Lead was detected at a concentration of 2.30 ppm in the soil sample collected from Location #12. The remaining parameters had concentrations below the laboratory detection limits.

The letter also indicated that Mr. Kirby went to the Rhode Island Department of Environmental Management (RIDEM) and requested any and all information on the Site. RIDEM informed Mr. Kirby that there are no environmental issues of file with RIDEM.

3.6 Current Uses of the Property

The Site is currently undeveloped. No evidence of the use or storage of petroleum products or hazardous materials was identified on the Site at the time of LFR's investigation.

3.7 Past Uses of the Property

Based upon a review of aerial photographs and information obtained from municipal offices and library of the City of Woonsocket, it appears the property has been vacant since the early 1980s. Woonsocket Color & Chemical Company occupied the Site from the 1940s until the late 1970s. Prior to the 1940s, the Farrar Lumber Company occupied the Site.

3.8 Current and Past Uses of Adjoining Properties

The Site is located in a commercial and residential area. Single-family residences are located north of the Site, across Sunnyside Avenue. Boarded-up commercial buildings, owned by P.J. O'Donnell & Sons, Inc., are located east of the Site along Sunnyside Avenue. South of the Site, railroad tracks were observed. Beyond the railroad tracks, a building was under construction at the time of the Site visit. Multi-family residences are located west of the Site. Past uses of the adjoining properties also appear to be commercial and residential.

4.0 RECORDS REVIEW

The following section provides information regarding the regulatory status and history of the Site and vicinity developed from information available from local, state and federal agencies and ASTM Standard Historical Sources. It also provides topographic, hydrologic and soil conditions in the area of the Site.

4.1 Standard Environmental Record Sources – Federal and State

This section provides regulatory information concerning the Site and nearby properties. Regulatory information was obtained from various federal and state agencies that maintain environmental regulatory databases. These databases can provide information on the regulatory status of a property and incidents involving the use, storage, spills or transportation of hazardous materials. Federal and state databases were searched by FirstSearch Technology Corporation (FirstSearch), a data search service. A copy of the FirstSearch report is provided in Appendix C.

4.1.1 Federal Agency Database Review

Federal agency databases were searched by FirstSearch. A summary of each federal database searched is provided below. Refer to Appendix C for more detailed information and a description of each database.

| Federal Database | Search Radius | Version |
|--|---------------|---------------|
| National Priorities List (NPL) | 1.0 mile | July 2003 |
| Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) | 0.5 mile | June 2003 |
| Resource Conservation and Recovery Act (RCRA) Generator Database | 0.25 mile | December 2002 |
| RCRA Treatment, Storage or Disposal Facility Database (TSD) | 0.5 mile | December 2002 |
| RCRIS Corrective Action Database (RCRIS COR) | 1.0 mile | December 2002 |
| Emergency Response Notification System (ERNS) Database | 0.25 mile | December 2002 |

According to the database search, the Site is listed on the EPA's Emergency Response Notification System (ERNS), a national computer database system that is used to store information on the sudden and/or accidental release of hazardous substances, including petroleum, into the environment. In October of 1997, approximately 150 55-gallon drums in poor condition were reported at Cavco at the "last building on the left of Sunnyside Avenue". Based on a review of the ERNS file available at RIDEM and historical use information, the ERNS site is not located at the Site. There is no building depicted at the Site in the 1992 aerial photograph, nor did Cavco occupy the Site according to city directories that were reviewed. According to information contained in the ERNS file reviewed, the ERNS site is located at the property that abuts the Site to the east.

LFR reviewed the following Federal Regulatory Agency databases:

(NPL) National Priorities List

There are no properties located within one mile of the Site, which are listed on the USEPA's National Priority List, a list of uncontrolled hazardous waste sites, which are identified for priority remedial action.

CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System)

There are no properties located within one-half mile of the Site which are listed on the USEPA's CERCLIS list, a list of known, suspected or abandoned, uncontrolled hazardous waste sites.

RCRIS (Resource Conservation and Recovery Act (RCRA) Notifiers List)

There are no RCRA Treatment, Storage, or Disposal (TSD) facilities within one-half mile radius of the Site.

Neither the Site nor its adjacent properties appeared on the RCRIS database of hazardous waste generators.

CORRACTS (RCRA Corrective Action Database)

There are no RCRIS TSD facilities within one mile of the Site, which have conducted, or are currently conducting, corrective action(s) as regulated under RCRA.

ERNS (Emergency Response Notification System)

The Site is listed on the EPA's Emergency Response Notification System (ERNS), a national computer database system that is used to store information on the sudden and/or accidental release of hazardous substances, including petroleum, into the environment. One additional ERNS sites is also located within 0.25 mile of the Site.

- **Cavadon Company**, 81 Sunnyside Avenue, is located approximately 0.08 mile northeast of the Site and is considered crossgradient. In April of 1998, the facility, which was a chemical warehouse, was destroyed by fire.

4.1.2 State Agency Database Review

State agency databases were searched by FirstSearch. A summary of each State database searched is provided below. Refer to Appendix C for more detailed information and a description of each database.

| State Database | Search Radius | Version |
|--|---------------|---------------|
| State Hazardous Waste Sites (STATE) | 1.0 mile | February 2003 |
| Active Solid Waste Facilities List (SWF) | 0.5 mile | January 2001 |
| SPILLS List | 0.25 mile | January 2001 |
| Leaking Underground Storage Tanks (LUST) | 0.5 mile | February 2003 |
| Registered Underground Storage Tanks (UST) | 0.25 mile | August 2002 |

The Site was not identified on any of the State databases searched.

LFR reviewed the following State Regulatory Agency databases:

State Hazardous Waste Site (STATE)

There are twelve properties within 1.0 mile of the Site that appeared on the Rhode Island State Site list. The following properties are located within 0.5 mile of the Site.

- **Ray Riel Construction**, 117 First Avenue, is located approximately 0.39 mile northeast of the Site and is considered crossgradient. The project date is listed as May 11, 1993, and the project status is listed as active. No other details regarding the facility are available from the database search. Based on the direction of the property relative to the Site, it is unlikely that the property would impact the environmental integrity of the Site.
- **Spotless Systems Cleaners, Inc.**, 215 South Main Street, is located approximately 0.43 mile northeast of the Site and is considered crossgradient. The project date is listed as October 17, 1995, and the project status is listed as active. No other details regarding the facility are available from the database search. Based on the direction of the property relative to the Site, it is unlikely that the property would impact the environmental integrity of the Site.

- **B&G Associates**, 202 to 204 South Main Street, is located approximately 0.46 mile northeast of the Site and is considered crossgradient. The project date is listed as December 9, 1994, and the project status is listed as inactive. No other details regarding the facility are available from the database search. Based on the direction of the property relative to the Site and the status of the project, it is unlikely that the property would impact the environmental integrity of the Site.
- **Broad Street Garage**, 74 Broad Street, is located approximately 0.46 mile southeast of the Site and is considered downgradient. The project date is listed as March 20, 1997, and the project status is listed as inactive. No other details regarding the facility are available from the database search. Based on the direction of the property relative to the Site and the status of the facility, it is unlikely that the property would impact the environmental integrity of the Site.

SWF (Solid Waste Facilities)

The Rhode Island Solid Waste Facilities Directory is a comprehensive listing of all active and inactive permitted solid waste landfills and processing facilities operating within the State of Rhode Island. According to the FirstSearch report, there are no permitted solid waste landfills within a one-half mile radius of the Site.

SPILLS

The Site did not appear on this database. Two releases have occurred within 0.25 mile of the Site.

- **92 Sunnyside Avenue** is the property located adjacent to the Site to the east. In January of 1998, illegal storage of 55-gallon drums of acetone and "hydro acid" were reported to the RIDEM. The status of the release is not listed on the database search.
- **92 Sunnyside Avenue** is the property located adjacent to the Site to the east. In April of 1998, assorted chemicals were released as a result of a fire at a chemical warehouse.

LUST (Leaking Underground Storage Tank List)

There are four facilities within one-half mile of the Site that appeared on the RIDEM, Division of Site Remediation, Leaking Underground Storage Tank (LUST) Report. The following is a summary.

- **City of Woonsocket**, Costa Park on Fairmount Street, is located approximately 0.37 mile northeast of the Site and is considered crossgradient. The project date is listed as June 14, 1993, and the status of the LUST is listed as inactive. No other details regarding the facility are available from the database search. Based on the direction of the property relative to the Site and the status of the LUST, it is unlikely that the property would impact the environmental integrity of the Site.
- **Cumberland Farms Gulf**, 3 Great Road, is located approximately 0.37 mile southwest of the Site and is considered crossgradient. The project date is listed as July 9, 1994, and the status of the LUST is listed as inactive. No other details regarding the facility are available from the database search. Based on the direction of the property relative to the Site and the status of the LUST, it is unlikely that the property would impact the environmental integrity of the Site.
- **Globe Park School**, Avenue A, is located approximately 0.48 mile southeast of the Site and is considered downgradient. The project date is listed as March 1, 1990, and the status of the LUST is listed as inactive. No other details regarding the facility are available from the database search. Based on the direction of the property relative to the Site and the status of the LUST, it is unlikely that the property would impact the environmental integrity of the Site.
- **Hope School**, 43 Hope Street, is located approximately 0.49 mile northeast of the Site and is considered crossgradient. The project date is listed as May 2, 2000, and the status of the LUST is listed as soil removal only (SRO). No other details regarding the facility are available from the database search. Based on the direction of the property relative to the Site and the status of the LUST, it is unlikely that the property would impact the environmental integrity of the Site.

UST (Underground Storage Tanks)

Neither the Site nor its adjacent properties appeared on the Rhode Island Underground Storage Tank (UST) Report. One facility with registered USTs is located within one-quarter mile of the Site.

- **C&J OD, Inc.**, 92 Sunnyside Avenue, is located adjacent to the Site to the east. Three USTs are currently in use for the storage of gasoline. Two 500-gallon USTs were installed in May of 1950, and one 8,000-gallon UST was installed in May of 1974.

Unmapped Sites

None of the unmapped properties listed in the FirstSearch database are located in the immediate vicinity of the Site.

4.1.3 Local Regulatory Review

To obtain information concerning the possible storage or release of hazardous materials or petroleum products at the Site, LFR contacted Chief Henry Renaud of the Woonsocket Fire Department (WFD). Chief Renaud indicated that the WFD Hazardous Materials Officer, Steve Preston, would be the best source of information regarding the Site. Officer Preston indicated that there were fires at the Site and the property abutting the Site to the east (92 Sunnyside Avenue). Officer Preston stated that the fire at the Site occurred prior to his installation as Hazardous Materials Officer, and there is no file for the Site.

According to personnel at the Woonsocket Building Department, files are not maintained for non-residential properties. Therefore, there was no file for the Site.

4.2 Physical Setting Sources

Based on a review of the United States Geologic Survey (USGS) Topographic Quadrangle Map of the Site area (Georgiaville, Rhode Island dated 1989), the Site is located at an approximate elevation of 150 feet. According to a plan completed by the John P. Caito Corporation in June of 2003 titled "Existing Conditions" for Assessor's Plat 3, Lot 7, the elevation of the Site varies from 145 to 154 feet. According to the plan, topography at the Site slopes to the south/southeast. According to the topographic map, the area in the vicinity of the Site slopes to the southeast towards Cherry Brook.

According to the U.S.D.A. Soil Conservation Service, Soil Survey of Rhode Island, July 1981, soils in the majority of the Site are classified as Merrimac-Urban land complex. The Merrimac-Urban land complex consists of approximately 40 percent well drained Merrimac soils, 40 percent Urban land, and 20 percent other soils. Typically the Merrimac soils have a surface layer of dark brown sandy loam 8 inches thick. The subsoil is yellowish-brown and dark yellowish brown sandy loam 17 inches thick. The substratum is light yellowish brown gravelly sand to a depth of 60 inches or more. Urban land consists of areas covered by streets, parking lots, buildings, and other urban structures. Exposed soil observed at the Site consisted of a light brown, fine-grained sand.

According to the Bedrock Geology Map of Rhode Island, 1994, the bedrock underlying

the site area is classified as metaclastic rock, undivided. This bedrock is described as a red to gray to green polymict conglomerate, sandstone, and shale.

Most surface water on the Site would likely infiltrate the ground surface. A catch basin was observed west of the Site in Asylum Street. Based on area topography, groundwater is inferred to flow to the southeast towards Cherry Brook. According to the Caito Existing Conditions plan, water table testing was conducted on June 9, 2003. Three test holes were excavated for the purpose of estimating the seasonal high groundwater table. Based on the results of the excavation, the seasonal high groundwater table was estimated at 6 to 7.5 feet below ground surface (bgs). Up and downgradient references in this report are based on our anticipated southeast direction of groundwater flow.

4.3 Historical Use Information

Based upon a review of aerial photographs and information obtained from local offices, it appears the property has been vacant since the early 1980s. Woonsocket Color & Chemical Company occupied the Site from the 1940s until the late 1970s. Prior to the 1940s, Farrar Lumber Company occupied the Site.

4.3.1 City Directories

City directories were reviewed at the Woonsocket Harris Public Library. According to the directories reviewed, there were no listings for 176 Sunnyside Avenue from 1983 to 2000. The 1980 directory lists 176 Sunnyside Avenue as vacant. The 1944 to 1979 directories list Woonsocket Color & Chemical Company at 176 Sunnyside Avenue. The 1941 directory lists 176 Sunnyside Avenue as storage, and the 1922 to 1939 directories list Farrar Lumber Company at the Site.

Currently, the property abutting the Site to the east is addressed as 92 Sunnyside Avenue, according to the Tax Assessor. Diamond Oil Company was listed at 110 Sunnyside Avenue in the 1932 to 1973 directories. Blackstone Oil and Fairmont Oil were listed at 140 Sunnyside Avenue in the 1925 to 1938 directories. Based on the current numbering system for Sunnyside Avenue, it is possible that the oil companies were located at the Site.

4.3.2 Historic Topographic Map Review

LFR reviewed the current United States Geologic Survey (USGS) Topographic Quadrangle Map of the Site area (Georgiaville, Rhode Island) and the 1943 topographic map. Both of the topographic maps depict a rectangular shaped structure

at the Site. A copy of the current topographic map is provided as Figure 3. A copy of the historic topographic map is provided in Appendix D.

4.3.3. Aerial Photograph Review

LFR obtained aerial photographs of the Site area for the years 1939, 1951, 1962, 1972, 1981, and 1992. Copies of the aerial photographs are contained in Appendix E.

The 1992 aerial photograph depicts the majority of the Site as vacant land. An object approximately 8 feet by 8 feet is depicted in the northwest corner of the Site. Railroad tracks are depicted south/southeast of the Site. Vacant land is depicted beyond the railroad tracks. Commercial/industrial structures are depicted east/northeast of the Site. Small structures are depicted across Sunnyside Avenue, north/northwest of the Site. The current apartment buildings are depicted west of the Site.

The 1951 to 1981 aerial photograph depicts a large structure, which occupies the majority of the Site. The structure appears to have three distinct sections. The 1939 aerial photograph depicts a smaller structure at the Site.

The railroad tracks located south/southeast of the Site, the commercial/industrial structures are depicted east/northeast of the Site, and the small structures are depicted across Sunnyside Avenue are depicted in all of the aerial photographs reviewed. The current apartment buildings located west of the Site are depicted as being under construction in the 1951 aerial photograph. The area located west of the Site is depicted as cleared land in the 1939 aerial photograph.

4.3.4 Historic Map Review

LFR contracted with FirstSearch to conduct a search for historic fire insurance maps for the Site. Historic Sanborn Maps dated 1911, 1950, 1955, 1963, 1965, 1967, and 1970 were available for the Site. Copies of the Sanborn Maps are contained in Appendix F. The following is a summary of the Sanborn Maps reviewed.

1911 Sanborn Map:

The Site is depicted as undeveloped land. Residential dwellings are depicted north of the Site, across Sunnyside Avenue. The P.J. O'Donnell and Sons Hide and Tallow plant is depicted east of the Site, along Sunnyside Avenue. Railroad tracks are depicted south of the Site. Undeveloped land is depicted beyond the railroad tracks. No coverage is available for the area located west of the Site, across Asylum Street.

1950 Sanborn Map:

The Site is occupied by the Woonsocket Color & Chemical Company. Three buildings and four storage sheds are located at the Site. The central building is labeled as the factory building. The eastern building contains a lab. A railroad spur runs between the buildings and the storage sheds. A water main is depicted north of the Site along Sunnyside Avenue. The surrounding areas are depicted similar to the 1911 Sanborn map.

1955 Sanborn Map:

The Site is depicted similar to the 1950 Sanborn Map, and the Site is occupied by the Woonsocket Color & Chemical Company. North of the Site, across Sunnyside Avenue, residential dwellings are depicted. The P.J. O'Donnell and Sons Hide and Tallow facility is depicted east of the Site, along Sunnyside Avenue. Railroad tracks are depicted south of the Site. Beyond the railroad tracks, undeveloped land is depicted. Apartment buildings associated with the Veterans Memorial Housing Project are depicted west of the Site, across Asylum Street.

1963 Sanborn Map:

The Site and surrounding area is depicted similar to the 1955 Sanborn Map.

1965 Sanborn Map:

The Site is occupied by the Woonsocket Color & Chemical Company. The western and central buildings have been connected by an addition. The eastern building contains the lab. Four storage sheds are depicted at the Site. A railroad spur runs between the buildings and the storage sheds. A water main is depicted north of the Site along Sunnyside Avenue. North of the Site, across Sunnyside Avenue, residential dwellings are depicted. The P.J. O'Donnell and Sons Hide and Tallow facility is depicted east of the Site, along Sunnyside Avenue. Railroad tracks are depicted south of the Site. Beyond the railroad tracks, undeveloped land is depicted. Apartment buildings associated with the Veterans Memorial Housing Project are depicted west of the Site, across Asylum Street.

1970 Sanborn Map:

The 1970 Sanborn Map depicts the Site and surrounding area similar to the 1965 Sanborn map.

4.3.5 Title Search and History of Ownership

According to the records on file at the Woonsocket Tax Assessor's office, the Site is currently owned by Jerome W. Cahill, and the deed is recorded in Book 859, Page 211 of Woonsocket's Land Records. However, Book 859, Page 211 indicates that the Jerome Cahill did not pay property taxes in 1990 and 1991, and the property was sold by bid at an auction. Zeus Realty purchased the property at the auction.

The following is a summary of the history of ownership.

| Grantee | Date | Book | Page |
|---|----------|------------|------------|
| Jerome W. Cahill | 8-27-86 | 634 | 270 |
| Pharma Realty | 10-30-80 | 517 | 226 |
| B,L, & M Bottling Co. – result of case MP #12658 between Astro Chemicals Inc. and Fish Chemical & Equipment and Woonsocket Color and Chemical | 12-5-78 | 482 | 17 |
| Woonsocket Color and Chemical | 3-16-40 | 226 | 10 |
| Farrar Lumber Company | 3-20-20 | 438 | 113 |
| Douglas Farrar – two parcels | 12-26-19 | 107 113 | 231 298 |
| George Lothrop | | | |

4.3.6 Building Department Records

According to personnel at the Woonsocket Building Department, building department files are retained only for residential properties. Therefore, there was no file for the Site.

4.3.7 Additional Record Sources

LFR personnel conducted a file review at the Rhode Island Department of Environmental Management to gain information regarding the Site and adjacent properties. Copies of selected information are included in Appendix G.

According to the database search, the Site is listed on the EPA's Emergency Response Notification System (ERNS), a national computer database system that is used to store information on the sudden and/or accidental release of hazardous substances, including petroleum, into the environment. The file number listed in the database search was 564978. LFR personnel reviewed ERNS file 564978 to gain additional information. Based on a review of the ERNS file available at RIDEM, the ERNS site is not located at the Site, and is located at the property that abuts the Site to the east. The following information is regarding the property that abuts the Site to the east.

According to a RIDEM Office of Compliance and Inspection Response Report Form completed by John Leo of RIDEM, on April 26, 1998, a fire occurred at Cavedon Chemical located at 92 Sunnyside Avenue. According to the City of Woonsocket Tax Assessor, the property that about the Site to the east. Based on the chemicals that were stored at the facility, which included hydrochloric acid, acetone, isopropyl alcohol, and methanol, the decision was made to let the fire burn. Steve Preston, the hazardous materials officer of the Woonsocket Fire Department had discussed with Mr. Leo that the fire would do less harm if it was allowed to burn. The Coast Guard and EPA were notified of the decision. The Coast Guard was notified because Cherry Brook, a tributary of the Blackstone River, is located near the property. The EPA was notified since there was a large smoke plume generated from the fire. EPA conducted air monitoring during the fire and once the ruins were extinguished. According to the response report form, no chemicals were detected in the smoke plume that posed a risk to the public or the environment. DEM contacted Clean Harbors in case the water used to protect exposures needed to be disposed or treated. A sample of the water run-off was collected for laboratory analysis of heavy metals. All signs of hazardous laboratory chemicals, raw products, and waste drums were destroyed in the fire. The EPA was to oversee the cleanup of the building to ensure that all hazardous chemicals were properly removed.

On May 7, 1998, Steven Peterson of Fontaine & Croll, Ltd. sent a letter to John Leo of RIDEM. The letter indicates that Mr. Peterson is the attorney representing C. & J. O'D, Inc., the owners of the property located at 92 Sunnyside Avenue. Mr. Peterson states a fire occurred at the property "several months ago" and the DEM became involved due to chemicals that were stored by a tenant at the property. Mr. Peterson indicated that it was his understanding that all of the chemicals had been cleaned up from the property, and that DEM had concluded their involvement with the property. Mr. Peterson requested a letter stating the conclusion of DEM involvement and also requested copies of any tests conducted at the property and the chemical inventory.

On April 20, 1999, James Ball of the RIDEM Office of Compliance and Inspection sent an inter-office memo to Jeff Crawford of the RIDEM Office of Waste Management. The memo indicates that while supervising the proper disposal of

remaining chemicals from the fire, several USTs were observed on the property, and west of the building a small wooden shack that appeared to be an old fueling rack was observed. The piping in the shack appeared to be connected to several more tanks. John Leo had mailed a letter to Fontaine & Croll on June 17, 1998 indicating that the tanks had to be removed by December 1998 or they would be in violation of the federal regulations. In April of 1999, the USTs were observed at the property. Therefore, Mr. Crawford felt that the property had progressed to a remediation issue that included the removal and proper closure of the USTs.

On March 9, 2000, Mark Dennen of the RIDEM Office of Waste Management sent an inter-office memo to Matt Paterson of the RIDEM Office of Criminal Investigation. According to the memo, the Rhode Island Attorney General's Office and Mr. Patterson had requested manifests for waste generated in the spring of 1998 associated with the cleanup of the fire. Mr. Dennen was unable to find any records under Cavedon Chemical. However, John Leo informed Mr. Dennen that the waste was transported under a temporary ID number by General Chemical and NERAK. Mr. Dennen was able to locate records of three manifests generated on October 2, 1999, and was to search for additional manifests.

LFR personnel also reviewed the UST file for C & J O'Ds, Inc. (ID # 01842). Contained in the file was the June 17, 1998 letter from John Leo to Fontaine & Croll, which was mentioned in Mr. Ball's inter-office memo. The letter indicates that the sampling of the residue at the former Cavedon facility located at 92 Sunnyside Avenue indicates that the remaining material in the old foundation was not hazardous. However, several other issues were found during the inspection of the Site. The issues included the gasoline and diesel tanks that remained at the property and would need to be removed by December 1998. Also, an AST located at the property that had asbestos insulation around it. The asbestos insulation needed to be removed since it was decaying. Mr. Leo also mentioned that a large amount of solid waste generated at during the fire remained at the property, and needed to be disposed of properly.

On November 16, 2000, a Notice of Violation (NOV) was issued to C & J, O'D, Inc. regarding the USTs at the property. According to the NOV, two 500-gallon USTs for the storage of gasoline and one 8,000-gallon UST for the storage of gasoline were located at the property. Four warning letters were sent to the property owner regarding the December 1998 UST deadline. DEM inspected the property in April and November of 1998, April and May of 1999, and June of 2000. The USTs remained at the property and were not in service. The NOV required that the USTs be removed and a closure assessment be submitted to DEM within 30 days of receipt of the NOV. The NOV also required that a permanent closure application be submitted to DEM within 90 days of receipt of the NOV. DEM indicated that depending on the results of the closure assessment, a site investigation report might be required. There was no record of tank removal, closure assessment, permanent closure application, or site investigation report contained in the file.

5.0 SITE RECONNAISSANCE AND INTERVIEWS

LFR conducted a reconnaissance of the Site for evidence of recognized environmental conditions, which could result in the presence of hazardous substances or petroleum in the environment. Ms. Beth K. Fitzpatrick of LFR visited the Site on August 27, 2003. Observations were documented and pertinent Site features were photographed (see Appendix B). Figure 2 depicts pertinent Site features.

5.1 Exterior Information and Observations

A summary of key exterior observations is provided below:

Underground Storage Tanks

No fill pipes, vent pipes or other evidence of USTs was observed on exterior portions of the Site.

Aboveground Storage Tanks (ASTs)

No evidence of ASTs was noted on exterior portions of the Site.

Hazardous Substance and Petroleum Use

No hazardous material storage or petroleum use was observed during the visual evaluation of the Site.

Staining

No evidence of staining was noted on exterior portions of the Site.

Electrical Transformers/Equipment

No electrical transformers or other suspect PCB-containing equipment was noted on exterior portions of the Site. Pole-mounted transformers owned by Narragansett Electric were observed north of the Site, along Sunnyside Avenue. No labeling regarding PCB content was visible, but the transformers appeared to be in good condition and no leakage was apparent.

Drywells, Sumps and Catch Basins

No drywells, sumps or catch basins were noted on exterior portions of the Site. A catch basin was observed west of the Site in Asylum Street.

Pits, Ponds and Lagoons

Surficial evidence of ponds and/or lagoons was not observed during our Site reconnaissance. Evidence of three excavated areas was observed in the eastern, central, and western portions of the Site. Caito conducted excavations in June of 2003 in these areas to determine the water table elevation.

Wells

No water or monitoring wells were noted on the Site. According to the Tax Assessor's field cars, all public utilities are available to the Site.

Solid Waste

Some evidence of minor dumping was observed at the Site. Several food wrappers, beverage bottles and cans, and plastic shopping bags were observed in the northern portion of the Site, along Sunnyside Avenue. One empty 1-quart container of motor oil was also observed along Sunnyside Avenue. Along the path that runs east-west through the Site, items such as bicycle and vehicle tires, metal debris, wood debris, and portions of bricks were observed.

Process Wastewater

The generation or discharge of process wastewater was not observed on exterior portions of the Site.

Septic Systems

Evidence of septic systems was not observed on the Site. According to a plan obtained from the Woonsocket Engineering Department, Woonsocket Color & Chemical was connected to municipal sewer via a sewer line located in the southern portion of the Site. The plan is undated, but indicates that 1959 and 1979 assessments are listed on the plan.

Stressed Vegetation

No evidence of stained or stressed vegetation related to a spill of petroleum or hazardous materials was noted at the time of the Site inspection.

5.2 Interior Information and Observations

There were no structures present at the Site at the time of LFR's investigation; therefore no interior observations were made.

5.3 Interview

LFR was not provided with a Site contact to interview.

5.4 Wetlands

According to the topographic map of the Georgiaville quadrangle, no wetlands are located at the Site.

6.0 FINDINGS AND CONCLUSIONS

The purpose of this assessment was to render an opinion as to whether surficial or historical evidence indicates the presence of recognized environmental conditions, which have resulted in hazardous substances or petroleum to be present in the environment at the Site, as defined in the American Society for Testing and Materials (ASTM) Standard Practice E1527-00 for Phase I Environmental Site Assessments. To complete this assessment, LFR's scope of services included review of federal and state regulatory agency databases; contact with local environmental regulatory agencies to inquire about environmental conditions at the Site and its vicinity; review of the Site history; a reconnaissance of the Site and its vicinity; and interviews with people knowledgeable about the Site.

The following Recognized Environmental Conditions were identified in the course of this assessment.

- The Site was occupied by the Woonsocket Color & Chemical Company from the 1940s until the late 1970s. It is likely that hazardous substances were stored at the Site.
- Based on a review of the city directories, it is possible that an oil company could have occupied the Site from the mid 1920s to the late 1930s.
- The property that abuts the Site to the east, 92 Sunnyside Avenue, is an ERNS site and has USTs that are over 50 years old and are not in compliance. It is possible that this property could potentially impact the Site.

7.0 QUALIFICATIONS

BETH K. FITZPATRICK

Environmental Technician

*environmental site assessments
environmental compliance audits
health and safety*

Ms. Fitzpatrick serves as an Environmental Technician in LFR's Warwick, Rhode Island office. Ms. Fitzpatrick's primary responsibilities include performing Phase I Environmental Site Assessments for property transfers and completing Phase II subsurface soil and groundwater studies and preparing formal investigative summary reports.

Ms. Fitzpatrick has had experience developing and implementing site specific Health & Safety Plans, providing oversight on remediation and hazardous material removal projects and monitoring lead abatement activities on steel structures. Ms. Fitzpatrick has performed NEPA Environmental Assessment Checklists as well as Statutory Checklists and completed documentation reports for removal of fill soils from urban sites. Ms. Fitzpatrick has also performed base line air quality studies for various school systems. Other responsibilities include digested air, paint chips, wipe, and soil sampling and using atomic absorption analysis to determine lead content.

EDUCATION

Pennsylvania State University: B.S. Chemical Engineering, ongoing

REPRESENTATIVE EXPERIENCE

Various Residential/Commercial Properties, New England, Mid-Atlantic, Midwest, and Southeastern United States - Conducted Phase I-Environmental Site Assessments at many properties utilizing information gathered from local town/city offices, state and federal databases, interviews, site walkovers and assessments of adjacent properties. Properties investigated include school bus maintenance and fueling terminals, steel foundries, amusement parks, gasoline stations, and commercial office buildings.

Various Commercial Properties, New England - Oversaw the removal of underground storage tanks and hydraulic lift systems. Completed closure reports to submit to regulatory agencies for the removals. Also oversaw tank tightness testing.

Various Commercial Properties, New England - Assisted in conducting Method 5, 9, and 17 air testing of smoke stacks at power plants.

REGISTRATION/CERTIFICATIONS

OSHA 40 hour Health & Safety Training for Hazardous Waste Operations

OSHA 8 hour Health & Safety Supervisors Training

Connecticut Lead Inspector Certification Training

Connecticut Lead Inspector Risk Assessor

Visible Emission Certificate

PROFESSIONAL HISTORY

LFR Levine Fricke, Environmental Technician, February 2000 to present

EnviroScience Consultants, Inc., Environmental Technician, August 1994 to February 2000

THOMAS L. DALEY

Senior Engineer – Operations Manager

*landfill engineering
site development engineering
environmental site investigations
groundwater hydrology and monitoring*

Mr. Daley's professional background as an engineer is comprised of both engineering design and project management experience. Mr. Daley was formerly employed as a project engineer at the Rhode Island Resource Recovery Corporation (RIRRC). His fields of experience include landfill engineering, geo-environmental engineering, surveying, site development engineering, air emissions, and environmental permitting. He has been responsible for obtaining permits for many diverse environmental projects. His experience also includes representation of clients at meetings and public hearings before regulatory agencies.

EDUCATION

University of Rhode Island: M.S. Natural Resources Science, Soil and Water Resources, 1992

University of Rhode Island: B.S. Applied Mathematics, 1985

REPRESENTATIVE EXPERIENCE

- Project Engineer, Landfill Baseline Construction, Central Landfill, Johnston, Rhode Island. Responsible for the design, development, and permitting of construction plans for a ten-acre addition to the landfill liner system at the Central Landfill. The baseline design was comprised of a double composite landfill liner system with primary and secondary leachate collection systems. Construction plans were designed and developed using AutoCad and Softdesk software. Responsibilities also included the development of a Storm Water Pollution Prevention Plan for the project and submission of plans, specifications and permit applications to the Rhode Island Department of Environmental Management, Waste Management Division.
- Project Engineer; Materials Recycling Facility Expansion, Central Landfill, Johnston, Rhode Island. Mr. Daley was responsible for project management of the construction of the RIRRC's Materials Recycling Facility (MRF) expansion in 1995. His responsibilities included management and coordination of contracts, scheduling and oversight of all phases to the construction of the MRF expansion.

- Project Engineer, Site Investigation Jamestown Landfill, Jamestown, Rhode Island. Mr. Daley conducted a site investigation to determine the water quality and potential for off-site migration of contaminants from the former Jamestown Municipal Landfill. The project consisted of groundwater sampling; determination of groundwater flow direction; surveying, development of site and vicinity plans; and
- Project Engineer, Landfill Gas Monitoring, LR&R Landfill Superfund Site, Smithfield, Rhode Island. Mr. Daley was responsible for inspection, monitoring and maintenance of landfill gas extraction and treatment system on the 28 acre closed landfill. Gas concentrations were measured, recorded and used to adjust the blower settings of the landfill gas collection system and flare.
- Senior Engineer, Various Site Remediation Projects, Rhode Island. Mr. Daley as served as the project manager and lead technical consultant on several site remediation projects conducted in Rhode Island. The projects typically consist of a site investigation including sampling of soil and groundwater; reporting to Rhode Island DEM; and design and implementation of a remedial strategy.
- Senior Engineer, Several Environmental Site Investigations. Conducted several environmental site investigations including hydrogeological assessments, underground storage tank removals, groundwater, surface water and soil sampling and analyses. Several environmental site assessments at numerous industrial and commercial sites. Activities typically included: site history research; identification of potential contamination sources; analysis of groundwater flow; field screening of soil and water samples; and recommendations for further investigation or remedial action if necessary.
- Engineer, Air Emissions Inventory, Emission Calculations and Permitting, Davis Standard, CT. Responsible for inventory, calculation and permitting of air emissions from surface coating operations at three machine manufacturing facilities. Calculated total VOC emissions for each facility. Identified and quantified actual emission concentrations and maximum allowable stack concentrations for Hazardous Air Pollutants emitted during coating operations. Completed and submitted permit applications in accordance with Connecticut Department of Environmental Protection regulations.
- Responsible for calculation and compilation of fifteen years of air emission data for an electrical power generation facility. Work included calculation of NO_x, SO_x, TOC, and total particulate emissions for multiple diesel engine generators based on fuel input and power output methods. Also, compilation of data in a computer based spreadsheet format to provide versatile comprehensive analysis of individual engine data, yearly data, or multi-year emissions summaries. Preparation of presentation tables for review by U.S.E.P.A.
- Project Manager/Design Engineer, Numerous Site Development Projects. Responsible for engineering design of roadways, stormwater drainage systems, sanitary sewer systems, water supply systems, individual septic systems, subdivision lot layout, and erosion/sedimentation controls for several residential and commercial site development

projects. Obtained numerous environmental permits from federal, state and local regulatory agencies for construction and land development projects. Responsibilities also included development of site plans, surveying, computer aided design and drafting, and representation of clients before state and municipal boards.

REGISTRATION

Registered Engineer In Training, Rhode Island, 1989

PROFESSIONAL HISTORY

LFR Levine·Fricke, Senior Engineer, October 1997 to present

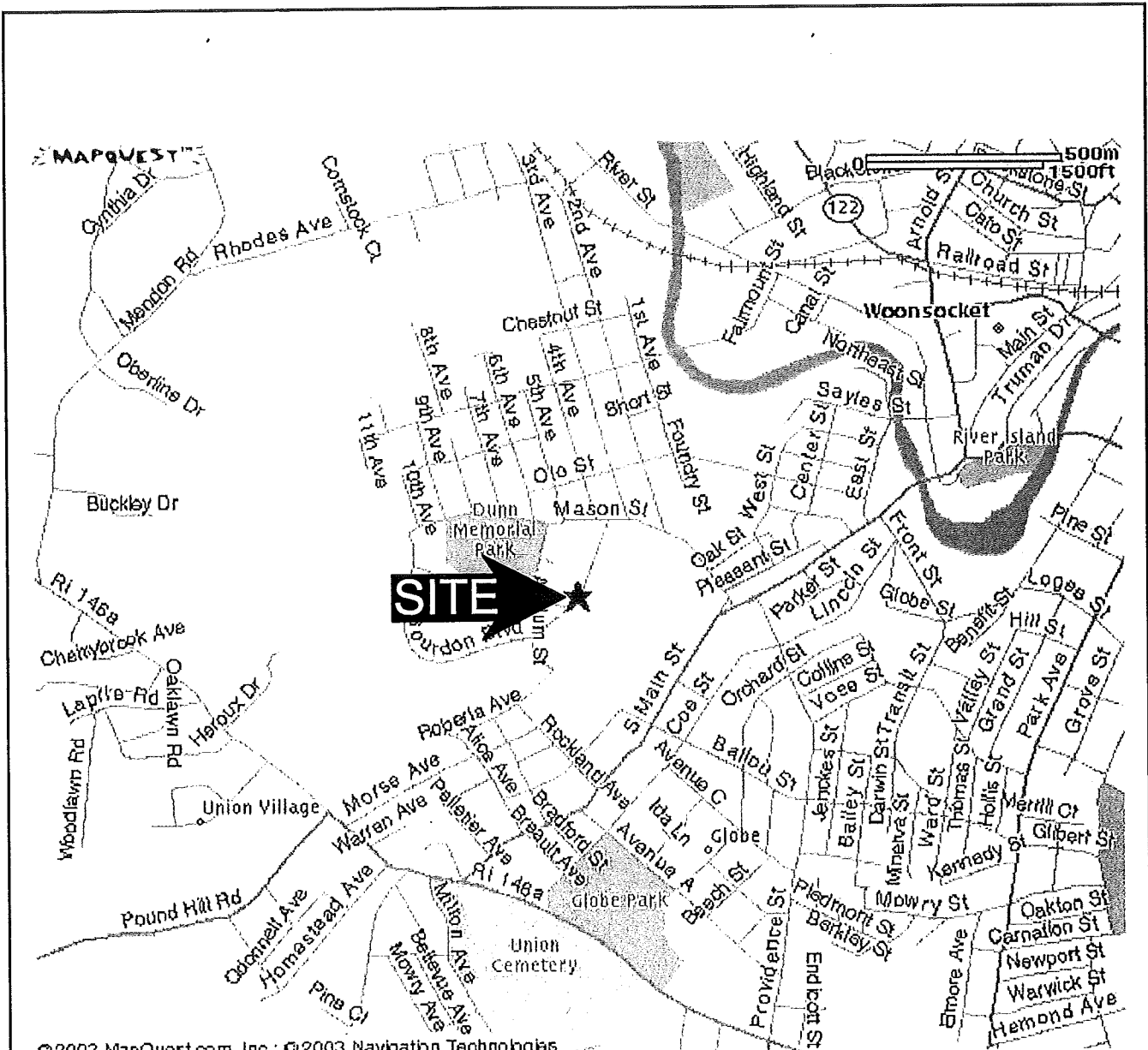
AWARD Environmental, July 1995 to October 1997

RI Solid Waste Management Corp., January 1994 to July 1995

R.W. Schwab Associates Inc., January 1988 to July 1993


Years with Other Firms: 2

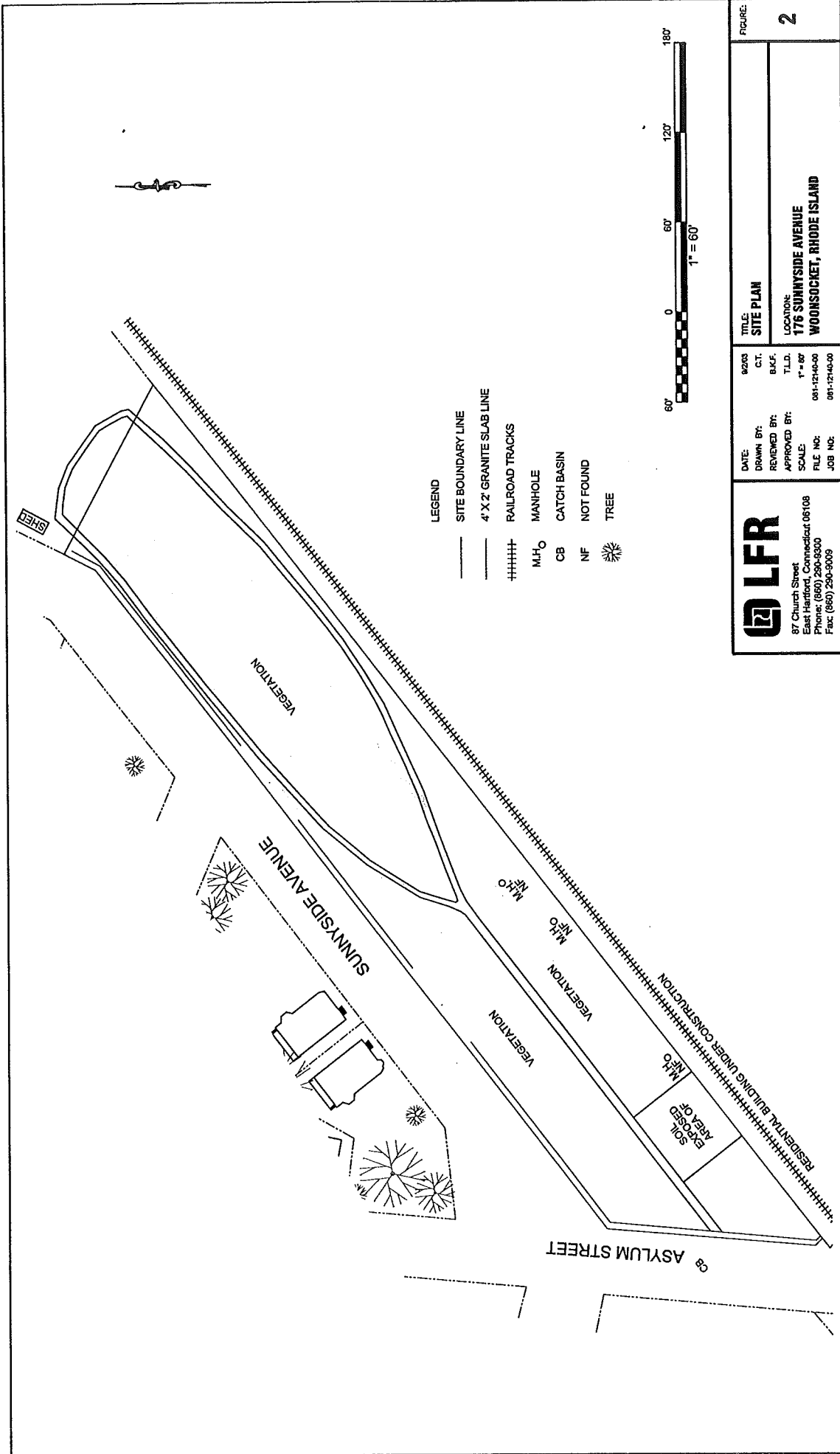
FIGURES




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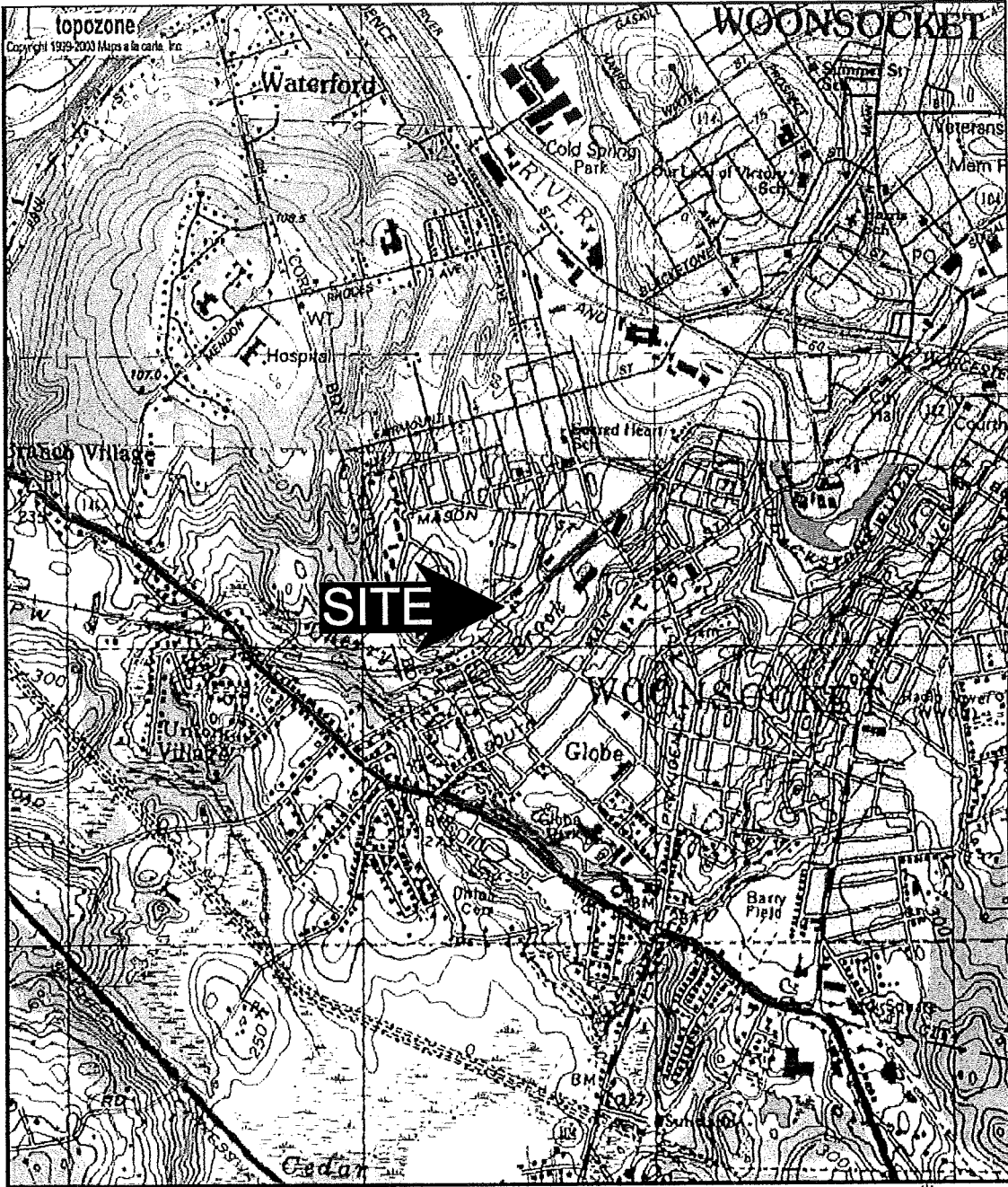


| | | | |
|---|--|---|-------------------------|
|  <p>87 Church Street East Hartford, Connecticut 06108 Phone: (860) 290-9300 Fax: (860) 290-9009</p> | DATE: 9/2/03 DRAWN BY: C.T. REVIEWED BY: B.K.F. APPROVED BY: T.L.D. SCALE: AS NOTED FILE NO: 081-12140-00 JOB NO: 081-12140-00 | TITLE: SITE PLAN LOCATION MAP | FIGURE: 1 |
| | LOCATION: 176 SUNNYSIDE AVENUE WOONSOCKET, RHODE ISLAND | | |



- LEGEND**
- SITE BOUNDARY LINE
 - 4' X 2' GRANITE SLAB LINE
 - +++++ RAILROAD TRACKS
 - M.F.O. MANHOLE
 - CB CATCH BASIN
 - NF NOT FOUND
 - ☼ TREE

| | | | | |
|---|--|--|--|------------------|
|  87 Church Street East Hartford, Connecticut 06108 Phone: (860) 296-9300 Fax: (860) 296-9009 | | DATE: 9/2/03 DRAWN BY: C.T. REVIEWED BY: B.A.F. APPROVED BY: T.L.D. SCALE: 1" = 60' FILE NO: 081-12140-00 JOB NO: 081-12140-00 | TITLE: SITE PLAN LOCATION: 176 SUNNYSIDE AVENUE WOONSOCKET, RHODE ISLAND | FIGURE: 2 |
|---|--|--|--|------------------|



0 0.3 0.6 0.9 1.2 1.5 km
 0 0.2 0.4 0.6 0.8 1 mi
 Map center is UTM 19 290498E 4652170N (NAD27)
Georgiaville quadrangle
 Description is UTM 7xxx 10 NAD83 Datum



87 Church Street
 East Hartford, Connecticut 06108
 Phone: (860) 290-9300
 Fax: (860) 290-9009

DATE: 9/2/03
 DRAWN BY: C.T.
 REVIEWED BY: B.K.F.
 APPROVED BY: T.L.D.
 SCALE: AS NOTED
 FILE NO: 081-12140-00
 JOB NO: 081-12140-00

TITLE:
SITE PLAN TOPOGRAPHIC MAP

LOCATION:
**176 SUNNYSIDE AVENUE
 WOONSOCKET, RHODE ISLAND**

FIGURE:

3

APPENDIX A

LIMITATIONS AND SERVICE CONSTRAINTS

APPENDIX A

EMERGENCY PERSONNEL AND DUTIES

Responsibilities are assigned to individuals by name. Keep in mind, however, that responsibilities are designated primarily by position/title/descriptions. If individuals are not available due to vacations, trips, transfers, terminations, etc., the person filling the position automatically assumes responsibility. Also, keep in mind that this plan is flexible and all personnel must work together to minimize the effects of an emergency.

All management and supervisory persons must review this plan annually to ensure that they are familiar with it. There is no time to do so after the emergency occurs. Direct coordination between all persons is encouraged to help eliminate problems.

Suggestions for improvement or modifications should be directed to the SPCC Coordinator for review and inclusion in the next revision. Managers and supervisors will assist the SPCC Coordinator in training their personnel as necessary and training will be held at least annually.

Individuals are responsible for notifying the SPCC Coordinator of any changes in home or office telephone numbers and position so the call list can be updated regularly and accurately. The SPCC Coordinators are listed on page ii of this plan.

The SPCC Coordinator will direct and coordinate all emergency plan activities and will advise management and company officers as to the extent of the emergency and possible consequences. The SPCC Coordinator will be familiar with all environmental control devices and hazard response firms/teams. This person also is responsible for coordination of first aid to injured persons and will probably be one of the first responders to the emergency.

After the emergency is under control, this person will direct the salvage and restart operations and approve any information release to the news media as applicable. The SPCC Coordinator assures the establishment of liaison and communications as necessary with appropriate agencies and allocated resources necessary to carry out the duties of this plan, etc. He/she also directs emergency maintenance, utility and electrical work to prevent injury and minimize damage to property, product and the environment. Maintenance personnel are responsible for the safe shutdown of the facility.

APPENDIX B

PHOTOGRAPHS



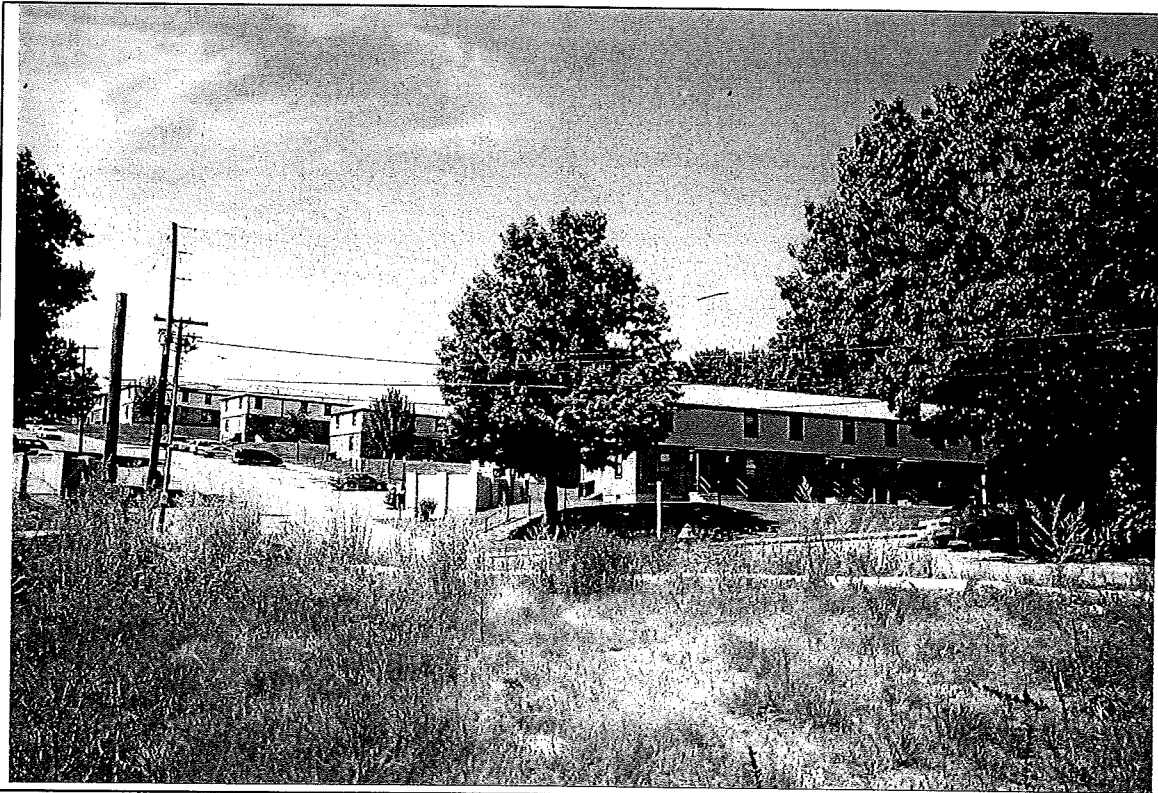
1

View of the Site, facing southeast.



2

View of the Site, facing southwest.



3

View of the Site, facing northwest, and the adjacent apartment buildings.



4

View of the central portion of the Site, facing east.



5

View of the western portion of the Site, facing west.



6

View of blocks located along the northern border of the Site.



7

View of metal and wood debris observed at the Site.



8

View of typical dumping observed along the northern border of the Site.

APPENDIX C

FIRSTSEARCH REPORT

FirstSearch Technology Corporation

Environmental FirstSearch™ Report

TARGET PROPERTY:

176 SUNNYSIDE AVE

WOONSOCKET RI 02895

Job Number: SUNNYSIDE

PREPARED FOR:

LFR

250 Centerville Road

Warwick, RI 02886

08-25-03



Tel: (781) 320-3720

Fax: (781) 320-3715

Environmental FirstSearch Search Summary Report

Target Site: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

FirstSearch Summary

| Database | Sel | Updated | Radius | Site | 1/8 | 1/4 | 1/2 | 1/2> | ZIP | TOTALS |
|---------------------|-----|----------|--------|------|-----|-----|-----|------|-----|--------|
| NPL | Y | 07-09-03 | 1.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CERCLIS | Y | 06-09-03 | 0.50 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| NFRAP | Y | 06-09-03 | 0.25 | 0 | 0 | 0 | - | - | 0 | 0 |
| RCRA TSD | Y | 12-09-02 | 0.50 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| RCRA COR | Y | 12-09-02 | 1.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RCRA GEN | Y | 12-09-02 | 0.25 | 0 | 0 | 3 | - | - | 0 | 3 |
| RCRA NLR | N | 12-09-02 | 0.25 | - | - | - | - | - | - | - |
| ERNS | Y | 12-31-02 | 0.15 | 1 | 2 | 0 | - | - | 0 | 3 |
| NPDES | N | 04-15-03 | 0.25 | - | - | - | - | - | - | - |
| FINDS | N | 07-16-98 | 0.25 | - | - | - | - | - | - | - |
| TRIS | N | 03-07-03 | 0.25 | - | - | - | - | - | - | - |
| State Sites | Y | 02-24-03 | 1.00 | 0 | 0 | 0 | 4 | 8 | 5 | 17 |
| Spills-1990 | Y | 01-04-01 | 0.15 | 0 | 2 | 0 | - | - | 0 | 2 |
| Spills-1980 | N | NA | 0.15 | - | - | - | - | - | - | - |
| SWL | Y | 01-24-01 | 0.50 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| Permits | N | NA | 0.25 | - | - | - | - | - | - | - |
| Other | N | NA | 0.25 | - | - | - | - | - | - | - |
| REG UST/AST | Y | 08-30-02 | 0.15 | 0 | 1 | 0 | - | - | 0 | 1 |
| Leaking UST | Y | 02-24-03 | 0.50 | 0 | 0 | 0 | 4 | - | 1 | 5 |
| State Wells | N | 07-11-00 | 0.50 | - | - | - | - | - | - | - |
| Aquifers | N | 10-21-98 | 0.50 | - | - | - | - | - | - | - |
| ACEC | N | 03-15-00 | 0.50 | - | - | - | - | - | - | - |
| Wetlands | N | 11-20-00 | 0.50 | - | - | - | - | - | - | - |
| Floodplains | N | 05-13-98 | 0.50 | - | - | - | - | - | - | - |
| Nuclear Permits | N | 04-30-99 | 0.50 | - | - | - | - | - | - | - |
| Historic/Landmark | N | 09-01-02 | 0.50 | - | - | - | - | - | - | - |
| Federal Land Use | N | 06-17-98 | 0.50 | - | - | - | - | - | - | - |
| Federal Wells | N | NA | 0.50 | - | - | - | - | - | - | - |
| Releases(Air/Water) | N | 12-31-01 | 0.25 | - | - | - | - | - | - | - |
| HMIRS | N | 05-24-02 | 0.25 | - | - | - | - | - | - | - |
| NCDB | N | 03-28-02 | 0.25 | - | - | - | - | - | - | - |
| PADS | N | 07-23-03 | 0.25 | - | - | - | - | - | - | - |
| Federal Other | N | NA | 0.25 | - | - | - | - | - | - | - |
| Misc | N | NA | 0.25 | - | - | - | - | - | - | - |
| Towers | N | 08-16-01 | 0.25 | - | - | - | - | - | - | - |
| Soils | N | 03-18-97 | 0.25 | - | - | - | - | - | - | - |
| Receptors | N | 01-01-95 | 0.50 | - | - | - | - | - | - | - |
| - TOTALS - | | | | 1 | 5 | 3 | 8 | 8 | 6 | 31 |

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to FirstSearch Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in FirstSearch Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although FirstSearch Technology Corp. uses its best efforts to research the actual location of each site, FirstSearch Technology Corp. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of FirstSearch Technology Corp.'s services proceeding are signifying an understanding of FirstSearch Technology Corp.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

Environmental FirstSearch Sites Summary Report

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

TOTAL: 31 **GEOCODED:** 25 **NON GEOCODED:** 6 **SELECTED:** 30

| ID | DB Type | Site Name/ID/Status | Address | Dist/Dir | Map ID |
|----|---------|--|---|----------|--------|
| 6 | ERNS | CAVCO 564978/UNKNOWN | LAST BLDG ON THE LEFT OF SUNNY WOONSOCKET RI 02895 | 0.00 -- | 7 |
| 19 | SPILLS | 92 SUNNY SIDE AVE 98-003 | 92 SUNNY SIDE AVE WOONSOCKET RI 02895 | 0.06 NE | 17 |
| 20 | SPILLS | 92 SUNNYSIDE AVE 98-206 | 92 SUNNYSIDE AVE WOONSOCKET RI 02895 | 0.06 NE | 17 |
| 21 | UST | C & J O D, INC 01842 | 92 SUNNYSIDE AVE WOONSOCKET RI 02895 | 0.06 NE | 17 |
| 4 | ERNS | CAVADON COMPANY 576876/UNKNOWN | 81 SUNNY SIDE AVE WOONSOCKET RI 02895 | 0.08 NE | 6 |
| 5 | ERNS | CAVADON COMPANY 586312/FIXED FACILITY | 81 SUNNY SIDE AVE WOONSOCKET RI 02895 | 0.08 NE | 6 |
| 3 | RCRAGN | PRECISION CONNECTORS DESIGN INC RID980916472/SGN | 87 MASON ST WOONSOCKET RI 02895 | 0.18 NE | 4 |
| 1 | RCRAGN | BARTRO ROBERT DR DDS RID987492626/SGN | 516 S MAIN ST REAR WOONSOCKET RI 02895 | 0.22 SE | 2 |
| 2 | RCRAGN | COUSINS AUTO BODY RID981205016/SGN | 45 FOUNDRY ST WOONSOCKET RI 02895 | 0.25 NE | 3 |
| 22 | LUST | CITY OF WOONSOCKET 3912-ST/I - INACTIVE | COSTA PARK OR FAIRMONT ST. WOONSOCKET RI 02895 | 0.37 NE | 18 |
| 23 | LUST | CUMBERLAND FARMS GULF 2515-LS/I - INACTIVE | 3 GREAT ROAD AND GREENVILLE RO NORTH SMITHFIE RI 02896 | 0.37 SW | 19 |
| 15 | STATE | RAY RIEL CONSTRUCTION RRCO-HWM/ACTIVE | 117 FIRST AVENUE WOONSOCKET RI 02895 | 0.39 NE | 5 |
| 17 | STATE | SPOTLESS SYSTEMS CLEANERS, INC. SSCI-HWM/ACTIVE | 215 SOUTH MAIN STREET WOONSOCKET RI 02895 | 0.43 NE | 1 |
| 7 | STATE | B & G ASSOC./L & P REALTY, INC. B&GA-HWM/INACTIVE | 202 & 204 SOUTH MAIN STREET WOONSOCKET RI 02895 | 0.46 NE | 8 |
| 8 | STATE | BROAD STREET GARAGE BRSG-HWM/INACTIVE | 74 BROAD STREET WOONSOCKET RI 02895 | 0.46 SE | 9 |
| 24 | LUST | GLOBE PARK SCHOOL 3908-ST/I - INACTIVE | AVENUE A WOONSOCKET RI 02895 | 0.48 SE | 20 |
| 25 | LUST | HOPE SCHOOL 3945-ST/SRO - SOIL REMOVAL O | 43 HOPE ST WOONSOCKET RI 02895 | 0.49 NE | 21 |
| 10 | STATE | ELIZABETH POLAK RESIDENCE POLA-HWM/ACTIVE | 60 WILLIAMS STREET NORTH SMITHFIE RI 02896 | 0.65 SE | 11 |
| 13 | STATE | PROVIDENCE-WORCESTER COMPANY PWCO-SFA/INACTIVE | 1 DEPOT SQUARE WOONSOCKET RI 02895 | 0.76 NE | 13 |
| 14 | STATE | R & L CAR CARE R&L-HWM/INACTIVE | 448 GREAT ROAD NORTH SMITHFIE RI 02896 | 0.82 NW | 14 |
| 9 | STATE | COMMODORE CLEANERS COMM-HWM/ACTIVE | 157 FRONT STREET WOONSOCKET RI 02895 | 0.87 NE | 10 |

*Environmental FirstSearch
Sites Summary Report*

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

TOTAL: 31 **GEOCODED:** 25 **NON GEOCODED:** 6 **SELECTED:** 30

| ID | DB Type | Site Name/ID/Status | Address | Dist/Dir | Map ID |
|-----------|----------------|--|---|-----------------|---------------|
| 12 | STATE | NARRAGANSETT ELECTRIC HEWO-HWM/ACTIVE | 123 WOONSOCKET HILL ROAD NORTH SMITHFIE RI 02896 | 0.87 SW | 12 |
| 11 | STATE | NARRAGANSETT ELECTRIC NEWO-HWM/INACTIVE | 123 WOONSOCKET HILL ROAD NORTH SMITHFIE RI 02896 | 0.87 SW | 12 |
| 18 | STATE | WOONSOCKET CONSUMERS COAL CO WCC-HWM/ACTIVE | 1182 RIVER ST WOONSOCKET RI 02895 | 0.92 NW | 16 |
| 16 | STATE | RIDOT-COURT STREET BRIDGE CSBR-HWM/ACTIVE | COURT STREET WOONSOCKET RI 02895 | 0.95 NE | 15 |

*Environmental FirstSearch
Sites Summary Report*

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

TOTAL: 31 **GEOCODED:** 25 **NON GEOCODED:** 6 **SELECTED:** 30

| ID | DB Type | Site Name/ID/Status | Address | Dist/Dir | Map ID |
|-----------|----------------|--|---|-----------------|---------------|
| 31 | LUST | CUMBERLAND FARMS 3953-LS/A - ACTIVE | 247 SOUTH STREET WOONSOCKET RI | NON GC | |
| 28 | STATE | CVS DISTRIBUTION FACILITY CVSD-HWM/INACTIVE | NO SMITHFIELD INDUSTRIAL HIGHW NORTH SMITHFIE RI 02896 | NON GC | |
| 26 | STATE | GALLAGHER PROPERTY EGAL-HWM/INACTIVE | WEST STREET WOONSOCKET RI 02895 | NON GC | |
| 27 | STATE | MORRIS PROPERTY MOR-HWM/INACTIVE | HILLVIEW TERRACE WOONSOCKET RI 02895 | NON GC | |
| 29 | STATE | NARRAGANSETT ELECTRIC - WOONSOCKET NAWS-HWM/ACTIVE | GREENVILLE ROAD NORTH SMITHFIE RI 02896 | NON GC | |
| 30 | STATE | NARRAGASNETT ELECTRIC FARNUM SUBSTA FARN-HWM/INACTIVE | GREENVILLE ROAD NORTH SMITHFIE RI 02896 | NON GC | |

*Environmental FirstSearch
Site Detail Report*

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

STATE SPILLS SITE

SEARCH ID: 20

DIST/DIR: 0.06 NE

MAP ID: 17

NAME: 92 SUNNYSIDE AVE
ADDRESS: 92 SUNNYSIDE AVE
WOONSOCKET RI 02895

REV: 4/10/00
ID1: 98-206
ID2:
STATUS:
PHONE:

CONTACT: J LEO

SPILL DATE: 04-26-98
STAFF: J LEO

SPILL NOTIFIER:

MATERIAL SPILLED: ASST CHEMICALS
SPILL AMOUNT REPORTED: VARIOUS AMOUNTS
INCIDENT: FIRE

SOURCE OF SPILL: CHEM WAREHOUSE

LUST?:
PCB LEVEL:

SOIL CONTAMINATED?:

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 5 **DIST/DIR:** 0.08 NE **MAP ID:** 6

NAME: CAVADON COMPANY **REV:** 4/26/98
ADDRESS: 81 SUNNY SIDE AVE **ID1:** 586312
 WOODSOCKET RI **ID2:**
CONTACT: **STATUS:** FIXED FACILITY
 PHONE:

SPILL INFORMATION

DATE OF SPILL: 4/26/98 **TIME OF SPILL:** 2030

PRODUCT RELEASED (1): UNKNOWN CHEMICALS
QUANTITY (1): 1
UNITS (1): UNK

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR: YES **GROUNDWATER:** NO
LAND: YES **FIXED FACILITY:** NO
WATER: NO **OTHER:** NO
WATERBODY AFFECTED BY RELEASE: SOIL

CAUSE OF RELEASE

DUMPING: NO **EQUIPMENT FAILURE:** NO
NATURAL PHENOMENON: NO **OPERATOR ERROR:** NO
OTHER CAUSE: YES **TRANSP. ACCIDENT:** NO
UNKNOWN: NO

ACTIONS TAKEN: LCL F/D ON SCENE/CALLER REPORTS LOTS OF DIFFERENT CHEMICALS INSIDE/BLDG IS FULLY INVOLVED WITH FIRE/CALLER REQUESTS PASS TO EPA

RELEASE DETECTION: POSSIBLE ARSON CHEMICAL WAREHOUSE ON FIRE CRIMINAL INTENT/CALLER REPORTS THAT FIRE DEPT SAYS IT HAS CONTAMINATED RUN OFF COMING FROM BLDG

MISC. NOTES: CALLER FEELS THAT CRIMAL INTENT MAY BE A FACTOR DENISE VALDES RESPONDING/SPOKE TO LEO 20:14,DISPATCHED VALVES 21:25,SPOKE TO MSO PROV 21:30,SENT TATS 21:40,SPOKE TO CONDON 21:45 TO RELIEVE VALDES 04:00.

DISCHARGER INFORMATION

DISCHARGER ID: 586312 **DUN & BRADSTREET #:**
TYPE OF DISCHARGER: PRIVATE ENTERPRISE
NAME OF DISCHARGER: CAVADON COMPANY
ADDRESS: 81 SUNNY SIDE AVE
 WOODSOCKET RI

***Environmental FirstSearch
Site Detail Report***

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

| EMERGENCY RESPONSE NOTIFICATION SITE | | |
|--|---|------------------|
| SEARCH ID: 4 | DIST/DIR: 0.08 NE | MAP ID: 6 |
| NAME: CAVADON COMPANY | REV: | |
| ADDRESS: 81 SUNNY SIDE AVE | ID1: 576876 | |
| WOONSOCKET RI 02895 | ID2: | |
| CONTACT: | STATUS: UNKNOWN | |
| | PHONE: | |
| CERCLIS (Y/N): | | |
| MAT: UNKNOWN | QUANT: 0 | UNKNOWN |
| LOCATION: 81 SUNNY SIDE AVE | | |
| CITY: WOONSOCKET RI | REPORTED: 04/26/98 | |
| SOURCE: UNKNOWN | MEDIUM: LAND | |
| CAUSE: UNKNOWN | POSSIBLE ARSON / CALLER REPORTS THAT FD SAYS IT HAS CONTAMINATED RUN OFF COMI | |
| | NG FROM BUILDING | |
| ACT: LOCAL FD ON SCENE / CALLER REPORTS LOTS OF DIFFERENT CHEMICALS I | | |
| BY: | | |

*Environmental FirstSearch
Site Detail Report*

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

RCRA GENERATOR SITE

SEARCH ID: 3

DIST/DIR: 0.18 NE

MAP ID: 4

NAME: PRECISION CONNECTORS DESIGN INC
ADDRESS: 87 MASON ST
WOONSOCKET RI 02895

REV: 4/19/01
ID1: RID980916472

ID2:
STATUS: SGN
PHONE: 4017650072

CONTACT: CAROL DUCCHARME

SITE INFORMATION

CONTACT INFORMATION: CAROL DUCCHARME
87 MASON ST
WINCHESTER MA 01890
PHONE: 4017650072

UNIVERSE NAME:

SGN: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE

SIC INFORMATION:

3678 - MANUFACTURING - ELECTRONIC CONNECTORS

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

Environmental FirstSearch
Site Detail Report

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

RCRA GENERATOR SITE

SEARCH ID: 1

DIST/DIR: 0.22 SE

MAP ID: 2

NAME: BARTRO ROBERT DR DDS
ADDRESS: 516 S MAIN ST REAR
WOONSOCKET RI 02895

REV: 7/8/03
ID1: RID987492626
ID2:
STATUS: SGN
PHONE: 4017698520

CONTACT: ROBERT BARTRO

SITE INFORMATION

UNIVERSE TYPE:

SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE

SIC INFORMATION:

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

*Environmental FirstSearch
Site Detail Report*

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

RCRA GENERATOR SITE

SEARCH ID: 2

DIST/DIR: 0.25 NE

MAP ID: 3

NAME: COUSINS AUTO BODY
ADDRESS: 45 FOUNDRY ST
WOONSOCKET RI 02895

REV: 7/8/03
ID1: RID981205016
ID2:
STATUS: SGN
PHONE: 4017667679

CONTACT: DAVID B HEALEY

SITE INFORMATION

UNIVERSE TYPE:

SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE

SIC INFORMATION:

7532 - SERVICES - TOP AND BODY REPAIR AND PAINT SHOPS

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

*Environmental FirstSearch
Site Detail Report*

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

| STATE SITE | | |
|--|--|------------------|
| SEARCH ID: 17 | DIST/DIR: 0.43 NE | MAP ID: 1 |
| NAME: SPOTLESS SYSTEMS CLEANERS, INC. ADDRESS: 215 SOUTH MAIN STREET WOONSOCKET RI 02895 | REV: 2/24/03 ID1: SSCI-HWM ID2: STATUS: ACTIVE PHONE: | |
| CONTACT: | | |
| <u>SITE INFORMATION</u> | | |
| PROJECT DATE: | 10/17/95 | |

| STATE SITE | | |
|--|--|------------------|
| SEARCH ID: 7 | DIST/DIR: 0.46 NE | MAP ID: 8 |
| NAME: B & G ASSOC./L & P REALTY, INC. ADDRESS: 202 & 204 SOUTH MAIN STREET WOONSOCKET RI 02895 | REV: 2/24/03 ID1: B&GA-HWM ID2: STATUS: INACTIVE PHONE: | |
| CONTACT: | | |
| <u>SITE INFORMATION</u> | | |
| PROJECT DATE: | 12/09/94 | |

| STATE SITE | | |
|--|--|------------------|
| SEARCH ID: 8 | DIST/DIR: 0.46 SE | MAP ID: 9 |
| NAME: BROAD STREET GARAGE ADDRESS: 74 BROAD STREET WOONSOCKET RI 02895 | REV: 2/24/03 ID1: BRSG-HWM ID2: STATUS: INACTIVE PHONE: | |
| CONTACT: | | |
| <u>SITE INFORMATION</u> | | |
| PROJECT DATE: | 03/20/97 | |

*Environmental FirstSearch
Site Detail Report*

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

| LEAKING UNDERGROUND STORAGE TANKS | | | |
|---|--------------------------|---|--|
| SEARCH ID: 24 | DIST/DIR: 0.48 SE | MAP ID: 20 | |
| NAME: GLOBE PARK SCHOOL ADDRESS: AVENUE A WOONSOCKET RI | | REV: 2/24/03 ID1: 3908-ST ID2: STATUS: I - INACTIVE PHONE: | |
| CONTACT: | | | |
| PROJECT DATE: 3/1/1990 0:00:00 | | | |

| LEAKING UNDERGROUND STORAGE TANKS | | | |
|---|--------------------------|--|--|
| SEARCH ID: 25 | DIST/DIR: 0.49 NE | MAP ID: 21 | |
| NAME: HOPE SCHOOL ADDRESS: 43 HOPE ST WOONSOCKET RI | | REV: 2/24/03 ID1: 3945-ST ID2: STATUS: SRO - SOIL REMOVAL ONLY PHONE: | |
| CONTACT: | | | |
| PROJECT DATE: 5/2/2000 0:00:00 | | | |

| STATE SITE | | | |
|---|--------------------------|--|--|
| SEARCH ID: 10 | DIST/DIR: 0.65 SE | MAP ID: 11 | |
| NAME: ELIZABETH POLAK RESIDENCE ADDRESS: 60 WILLIAMS STREET NORTH SMITHFIELD RI | | REV: 2/24/03 ID1: POLA-HWM ID2: STATUS: ACTIVE PHONE: | |
| CONTACT: | | | |
| <u>SITE INFORMATION</u> | | | |
| PROJECT DATE: 12/31/02 | | | |

*Environmental FirstSearch
Site Detail Report*

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

| STATE SITE | | | |
|---|--------------------------|-------------------------|--|
| SEARCH ID: 13 | DIST/DIR: 0.76 NE | MAP ID: 13 | |
| NAME: PROVIDENCE-WORCESTER COMPANY | REV: 2/24/03 | ID1: PWCO-SFA | |
| ADDRESS: 1 DEPOT SQUARE WOONSOCKET RI 02895 | ID2: | STATUS: INACTIVE | |
| CONTACT: | PHONE: | | |
| <u>SITE INFORMATION</u> | | | |
| PROJECT DATE: | 06/01/88 | | |

| STATE SITE | | | |
|---|--------------------------|-------------------------|--|
| SEARCH ID: 14 | DIST/DIR: 0.82 NW | MAP ID: 14 | |
| NAME: R & L CAR CARE | REV: 2/24/03 | ID1: R&L-HWM | |
| ADDRESS: 448 GREAT ROAD NORTH SMITHFIELD RI 02896 | ID2: | STATUS: INACTIVE | |
| CONTACT: | PHONE: | | |
| <u>SITE INFORMATION</u> | | | |
| PROJECT DATE: | | | |

| STATE SITE | | | |
|---|--------------------------|-----------------------|--|
| SEARCH ID: 9 | DIST/DIR: 0.87 NE | MAP ID: 10 | |
| NAME: COMMODORE CLEANERS | REV: 2/24/03 | ID1: COMM-HWM | |
| ADDRESS: 157 FRONT STREET WOONSOCKET RI 02895 | ID2: | STATUS: ACTIVE | |
| CONTACT: | PHONE: | | |
| <u>SITE INFORMATION</u> | | | |
| PROJECT DATE: | 12/11/95 | | |

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

| STATE SITE | | | |
|---|--------------------------|-------------------|--|
| SEARCH ID: 11 | DIST/DIR: 0.87 SW | MAP ID: 12 | |
| NAME: NARRAGANSETT ELECTRIC | REV: 2/24/03 | | |
| ADDRESS: 123 WOONSOCKET HILL ROAD NORTH SMITHFIELD RI 02896 | ID1: NEWO-HWM | | |
| CONTACT: | ID2: | | |
| | STATUS: INACTIVE | | |
| | PHONE: | | |
| <u>SITE INFORMATION</u> | | | |
| PROJECT DATE: | 08/27/01 | | |

| STATE SITE | | | |
|---|--------------------------|-------------------|--|
| SEARCH ID: 12 | DIST/DIR: 0.87 SW | MAP ID: 12 | |
| NAME: NARRAGANSETT ELECTRIC | REV: 8/29/01 | | |
| ADDRESS: 123 WOONSOCKET HILL ROAD NORTH SMITHFIELD RI 02896 | ID1: HEWO-HWM | | |
| CONTACT: | ID2: | | |
| | STATUS: ACTIVE | | |
| | PHONE: | | |
| <u>SITE INFORMATION</u> | | | |
| PROJECT DATE: | 08/27/01 | | |

| STATE SITE | | | |
|--|--------------------------|-------------------|--|
| SEARCH ID: 18 | DIST/DIR: 0.92 NW | MAP ID: 16 | |
| NAME: WOONSOCKET CONSUMERS COAL CO | REV: 2/24/03 | | |
| ADDRESS: 1182 RIVER ST WOONSOCKET RI 02895 | ID1: WCC-HWM | | |
| CONTACT: | ID2: | | |
| | STATUS: ACTIVE | | |
| | PHONE: | | |
| <u>SITE INFORMATION</u> | | | |
| PROJECT DATE: | 07/12/99 | | |

**Environmental FirstSearch
Site Detail Report**

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

| STATE SITE | | | |
|---|--------------------------|-------------------|--|
| SEARCH ID: 16 | DIST/DIR: 0.95 NE | MAP ID: 15 | |
| NAME: RIDOT-COURT STREET BRIDGE | REV: 2/24/03 | | |
| ADDRESS: COURT STREET WOONSOCKET RI 02895 | ID1: CSBR-HWM | | |
| CONTACT: | ID2: | | |
| | STATUS: ACTIVE | | |
| | PHONE: | | |
| <u>SITE INFORMATION</u> | | | |
| PROJECT DATE: | 01/03/97 | | |

| LEAKING UNDERGROUND STORAGE TANKS | | | |
|---|---------------------------|----------------|--|
| SEARCH ID: 31 | DIST/DIR: NON GC | MAP ID: | |
| NAME: CUMBERLAND FARMS | REV: 2/24/03 | | |
| ADDRESS: 247 SOUTH STREET WOONSOCKET RI | ID1: 3953-LS | | |
| CONTACT: | ID2: | | |
| | STATUS: A - ACTIVE | | |
| | PHONE: | | |
| PROJECT DATE: | 10/9/2002 0:00:00 | | |

| STATE SITE | | | |
|---|-------------------------|----------------|--|
| SEARCH ID: 28 | DIST/DIR: NON GC | MAP ID: | |
| NAME: CVS DISTRIBUTION FACILITY | REV: 2/24/03 | | |
| ADDRESS: NO SMITHFIELD INDUSTRIAL HIGHW NORTH SMITHFIELD RI 02896 | ID1: CVSD-HWM | | |
| CONTACT: | ID2: | | |
| | STATUS: INACTIVE | | |
| | PHONE: | | |
| <u>SITE INFORMATION</u> | | | |
| PROJECT DATE: | 07/21/93 | | |

*Environmental FirstSearch
Site Detail Report*

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

| STATE SITE | | | |
|--|-------------------------|----------------|--|
| SEARCH ID: 26 | DIST/DIR: NON GC | MAP ID: | |
| NAME: GALLAGHER PROPERTY | REV: 2/24/03 | | |
| ADDRESS: WEST STREET WOONSOCKET RI 02895 | ID1: EGAL-HWM | | |
| CONTACT: | ID2: | | |
| | STATUS: INACTIVE | | |
| | PHONE: | | |
| <u>SITE INFORMATION</u> | | | |
| PROJECT DATE: | 09/18/91 | | |

| STATE SITE | | | |
|--|-------------------------|----------------|--|
| SEARCH ID: 29 | DIST/DIR: NON GC | MAP ID: | |
| NAME: NARRAGANSETT ELECTRIC - WOONSOCKET SUBS | REV: 2/24/03 | | |
| ADDRESS: GREENVILLE ROAD NORTH SMITHFIELD RI | ID1: NAWS-HWM | | |
| CONTACT: | ID2: | | |
| | STATUS: ACTIVE | | |
| | PHONE: | | |
| <u>SITE INFORMATION</u> | | | |
| PROJECT DATE: | 06/04/02 | | |

| STATE SITE | | | |
|--|-------------------------|----------------|--|
| SEARCH ID: 30 | DIST/DIR: NON GC | MAP ID: | |
| NAME: NARRAGASNETT ELECTRIC FARNUM SUBSTATION | REV: 2/24/03 | | |
| ADDRESS: GREENVILLE ROAD NORTH SMITHFIELD RI 02896 | ID1: FARN-HWM | | |
| CONTACT: | ID2: | | |
| | STATUS: INACTIVE | | |
| | PHONE: | | |
| <u>SITE INFORMATION</u> | | | |
| PROJECT DATE: | 06/19/01 | | |

**Environmental FirstSearch
Federal Databases and Sources**

ASTM Databases:

CERCLIS: Comprehensive Environmental Response Compensation and Liability Information System. The EPA's database of current and potential Superfund sites currently or previously under investigation. Source: Environmental Protection Agency.

Updated quarterly.

CERCLIS-NFRAP (Archive): Comprehensive Environmental Response Compensation and Liability Information System Archived Sites. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Updated quarterly.

ERNS: Emergency Response Notification System. The EPA's database of emergency response actions. Source: Environmental Protection Agency. Data since January, 2001, has been received from the National Response Center as the EPA no longer maintains this data.

Updated quarterly.

FINDS: The Facility Index System. The EPA's Index of identification numbers associated with a property or facility which the EPA has investigated or has been made aware of in conjunction with various regulatory programs. Each record indicates the EPA office that may have files on the site or facility. Source: Environmental Protection Agency.

Updated semi-annually.

NPL: National Priority List. The EPA's list of confirmed or proposed Superfund sites. Source: Environmental Protection Agency.

Updated quarterly.

RCRIS: Resource Conservation and Recovery Information System. The EPA's database of registered hazardous waste generators and treatment, storage and disposal facilities. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List). Source: Environmental Protection Agency.

RCRA TSD: Resource Conservation and Recovery Information System Treatment, Storage, and Disposal Facilities. The EPA's database of RCRIS sites which treat, store, dispose, or incinerate hazardous waste. This information is also reported in the standard RCRIS detailed data.

ASTM Databases (continued):

RCRA COR: Resource Conservation and Recovery Information System Corrective Action Sites. The EPA's database of RCRIS sites with reported corrective action. This information is also reported in the standard RCRIS detailed data.

RCRA GEN: Resource Conservation and Recovery Information System Large and Small Quantity Generators. The EPA's database of RCRIS sites that create more than 100kg of hazardous waste per month or meet other RCRA requirements. Included are RAATS (RCRA Administrative Action Tracking System) and CMEL (Compliance Monitoring & Enforcement List).

RCRA NLR: Resource Conservation and Recovery Information System sites No Longer Regulated. The EPA's database of RCRIS sites that create less than 100kg of hazardous waste per month or do not meet other RCRA requirements.

All RCRA databases are Updated quarterly

**Environmental FirstSearch
Federal Databases and Sources**

Non-ASTM Databases:

HMIRS: Hazardous Materials Incident Response System. This database contains information from the US Department of Transportation regarding materials, packaging, and a description of events for tracked incidents.

Updated quarterly.

NCDB: National Compliance Database. The National Compliance Data Base System (NCDB) tracks regional compliance and enforcement activity and manages the Pesticides and Toxic Substances Compliance and Enforcement program at a national level. The system tracks all compliance monitoring and enforcement activities from the time an inspector conducts and inspection until the time the inspector closes or the case settles the enforcement action. NCDB is the national repository of the 10 regional and Headquarters FIFRA/TSCA Tracking System (FTTS). Data collected in the regional FTTS is transferred to NCDB to support the need for monitoring national performance of regional programs.

Updated quarterly

NPDES: National Pollution Discharge Elimination System. The EPA's database of all permitted facilities receiving and discharging effluents. Source: Environmental Protection Agency.

Updated semi-annually.

NRDB: National Radon Database. The NRDB was created by the EPA to distribute information regarding the EPA/State Residential Radon Surveys and the National Residential Radon Survey. The data is presented by zipcode in Environmental FirstSearch Reports. Source: National Technical Information Service (NTIS)

Updated Periodically

Nuclear: The Nuclear Regulatory Commission's (NRC) list of permitted nuclear facilities.

Updated Periodically

PADS: PCB Activity Database System

The EPA's database PCB handlers (generators, transporters, storers and/or disposers) that are required to notify the EPA, the rules being similar to RCRA. This database indicates the type of handler and registration number. Also included is the PCB Transformer Registration Database.

Updated semi-annually.

Receptors: 1995 TIGER census listing of schools and hospitals that may house individuals deemed sensitive to environmental discharges due to their fragile immune systems.

Updated Periodically

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

TARGET SITE: 176 SUNNYSIDE AVE
WOONSOCKET RI 02895

JOB: SUNNYSIDE
MACKTAZ, KEEFER, , KIRBY

| Street Name | Dist/Dir | Street Name | Dist/Dir |
|--------------------|-----------------|--------------------|-----------------|
| 2nd Ave | 0.17 NE | | |
| 3rd Ave | 0.15 NE | | |
| 4th Ave | 0.13 NE | | |
| 5th Ave | 0.13 NW | | |
| 6th Ave | 0.17 NW | | |
| 7th Ave | 0.21 NW | | |
| 8th Ave | 0.24 NW | | |
| 9th Ave | 0.24 NW | | |
| Alice Ave | 0.17 SW | | |
| Andrews St | 0.12 SW | | |
| Asylum St | 0.00 -- | | |
| Ballou St | 0.20 SE | | |
| Bernice Ave | 0.15 SE | | |
| Bourdon Blvd | 0.01 NW | | |
| Brier St | 0.04 NE | | |
| Coe St | 0.24 SE | | |
| Foundry St | 0.23 NE | | |
| Mason St | 0.13 N- | | |
| Memorial Dr | 0.13 NW | | |
| Morse Ave | 0.11 SE | | |
| N Ballou St | 0.13 SE | | |
| NORTH Ballou St | 0.13 SE | | |
| Oak St | 0.19 NE | | |
| Olo St | 0.21 NW | | |
| Pearl St | 0.14 SE | | |
| Pleasant St | 0.19 NE | | |
| Roberta Ave | 0.03 SE | | |
| Rockland Ave | 0.08 SW | | |
| Ruby St | 0.00 -- | | |
| S Main St | 0.17 SE | | |
| SOUTH Main St | 0.17 SE | | |
| Sunnyside Ave | 0.00 -- | | |
| Warren Ave | 0.20 SW | | |
| Wilbur Ave | 0.17 SE | | |



Environmental FirstSearch
 1 Mile Radius from Area
 ASTM Map: NPL, RCRACOR, STATE Sites



176 SUNNYSIDE AVE, WOONSOCKET RI 02895



Source: 1999 U.S. Census TIGER Files

- Area Polygon
- Identified Site, Multiple Sites, Receptor
- NPL, Solid Waste Landfill (SWL) or Hazardous Waste
- Railroads

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius



Environmental FirstSearch

.5 Mile Radius from Area
ASTM Map: CERCLIS, RCRATSD, LUST, SWL



176 SUNNYSIDE AVE, WOONSOCKET RI 02895



Source: 1999 U.S. Census TIGER Files

- Area Polygon
- Identified Site, Multiple Sites, Receptor
- NPL, Solid Waste Landfill (SWL) or Hazardous Waste
- Railroads

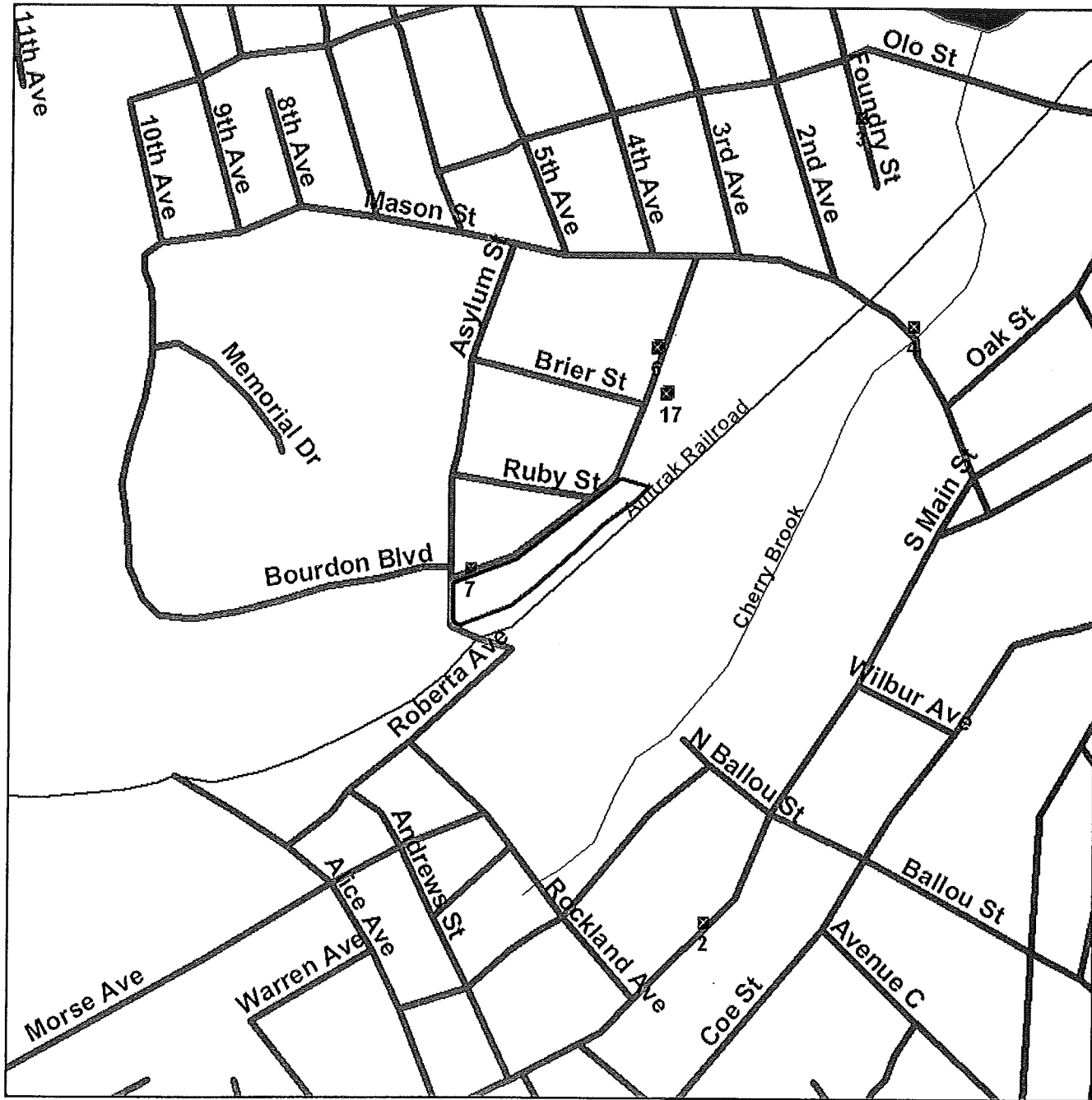
Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch

.25 Mile Radius from Area
ASTM Map: RCRA GEN, ERNS, UST



176 SUNNYSIDE AVE, WOONSOCKET RI 02895



Source: 1999 U.S. Census TIGER Files

- Area Polygon
- Identified Site, Multiple Sites, Receptor
- NPL, Solid Waste Landfill (SWL) or Hazardous Waste
- Railroads

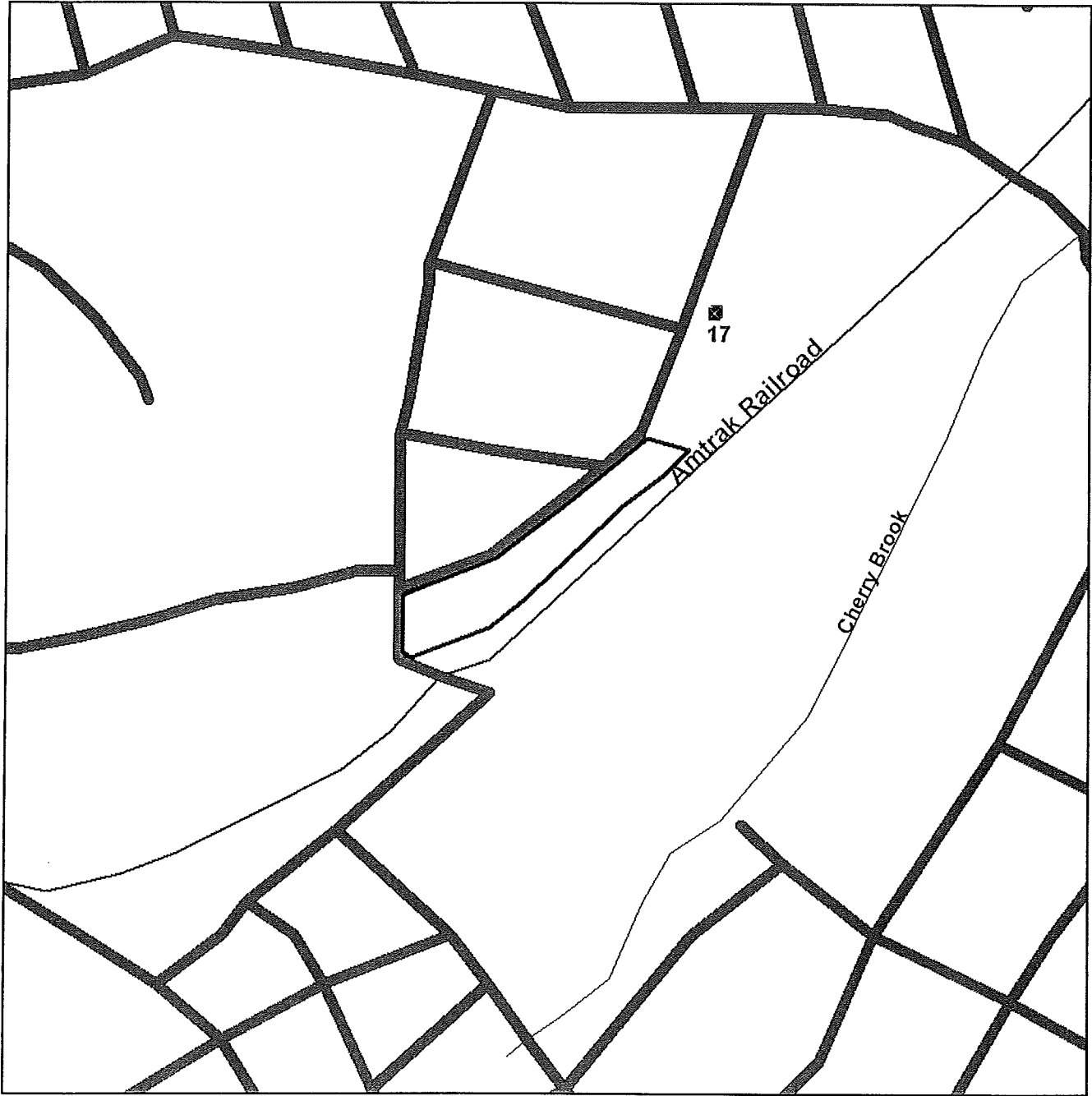
Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

Environmental FirstSearch

.15 Mile Radius from Area
Non-ASTM Map: Spills 90



176 SUNNYSIDE AVE, WOONSOCKET RI 02895



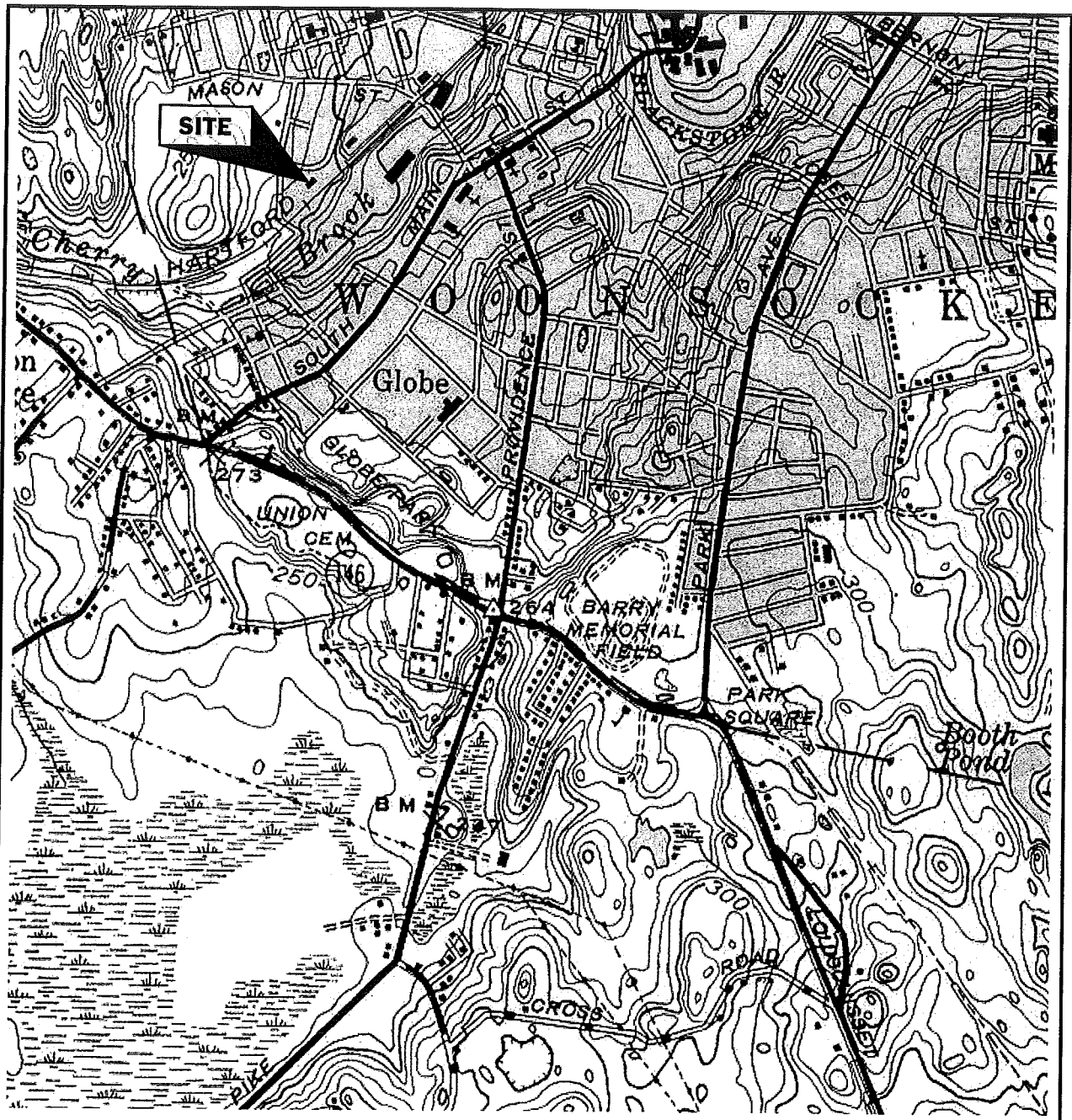
Source: 1999 U.S. Census TIGER Files

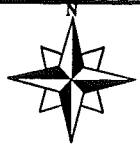
- Area Polygon
- Identified Site, Multiple Sites, Receptor
- NPL, Solid Waste Landfill (SWL) or Hazardous Waste
- National Historic Sites and Landmark Sites
- Railroads

Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

APPENDIX D

HISTORICAL TOPOGRAPHIC MAP



| | | |
|------------------------------|--|---|
| <p>Date: 1943</p> | <p>176 Sunnyside Avenue Plat 3, Lot 7 Woonsocket, Rhode Island</p> | <p>Project No. 081-12140-00</p> |
| | <p>LFR Levine-Fricke 250 Centerville Road Building E, Suite 12 Warwick, RI 02886</p> |  |

APPENDIX E
AERIAL PHOTOGRAPHS



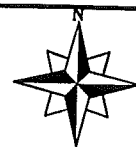
Date:
1939

176 Sunnyside Avenue
Plat 3, Lot 7
Woonsocket, Rhode Island


Project No.
081-12140-00

Scale:
1:4349

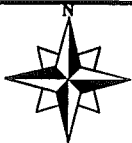
LFR Levine-Fricke
250 Centerville Road
Building E, Suite 12
Warwick, RI 02886

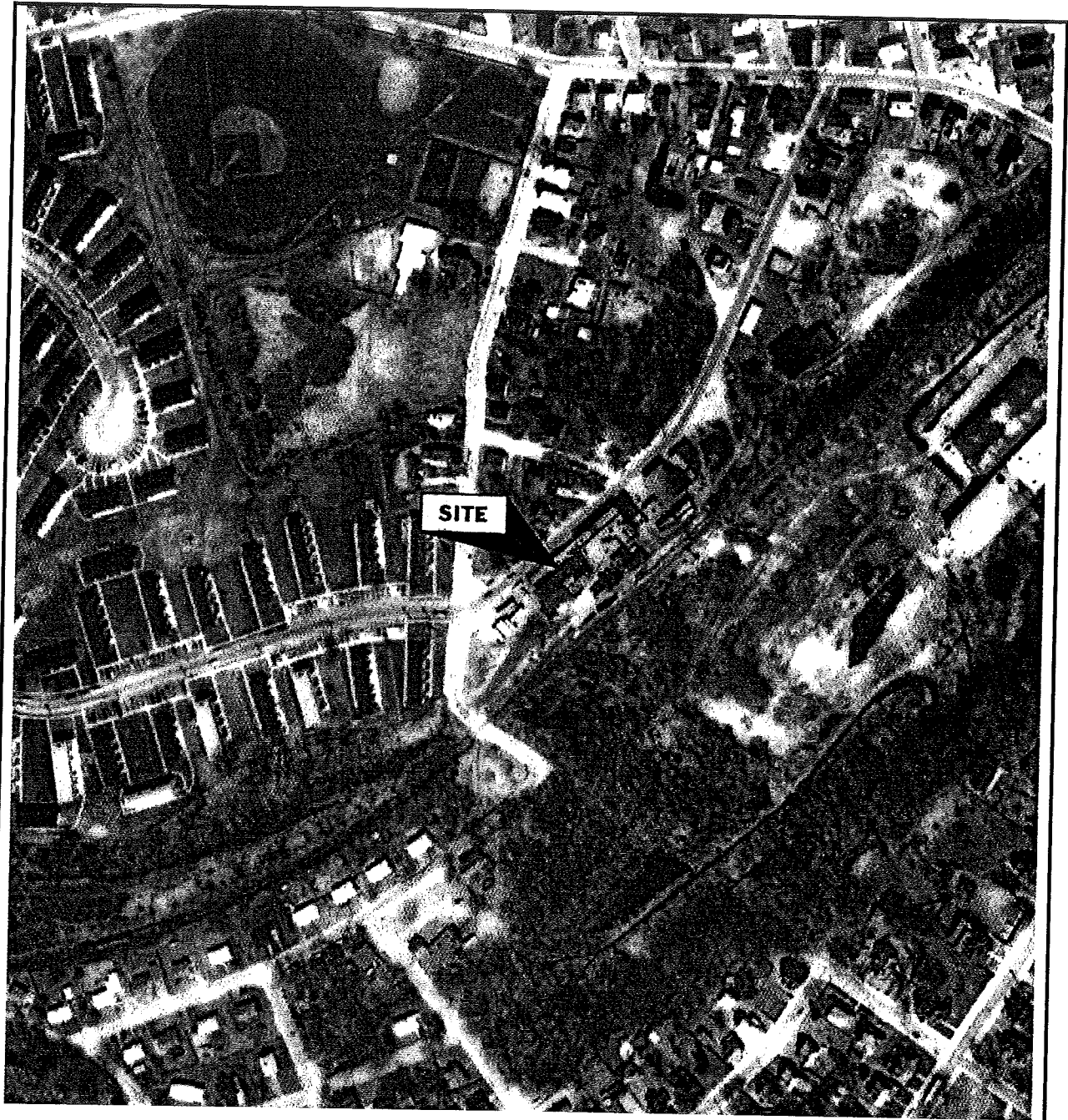




| | | |
|-------------------------|--|---|
| Date: 1951 | 176 Sunnyside Avenue Plat 3, Lot 7 Woonsocket, Rhode Island | Project No. 081-12140-00 |
| Scale: 1:4349 | LFR Levine-Fricke 250 Centerville Road Building E, Suite 12 Warwick, RI 02886 |  |



| | | |
|-------------------------|--|---|
| Date: 1962 | 176 Sunnyside Avenue Plat 3, Lot 7 Woonsocket, Rhode Island | Project No. 081-12140-00 |
| Scale: 1:4349 | LFR Levine·Fricke 250 Centerville Road Building E, Suite 12 Warwick, RI 02886 |  |



Date:
1972

176 Sunnyside Avenue
Plat 3, Lot 7
Woonsocket, Rhode Island

Project No.
081-12140-00

Scale:
1:4349

LFR Levine-Fricke
250 Centerville Road
Building E, Suite 12
Warwick, RI 02886





Date:
1981

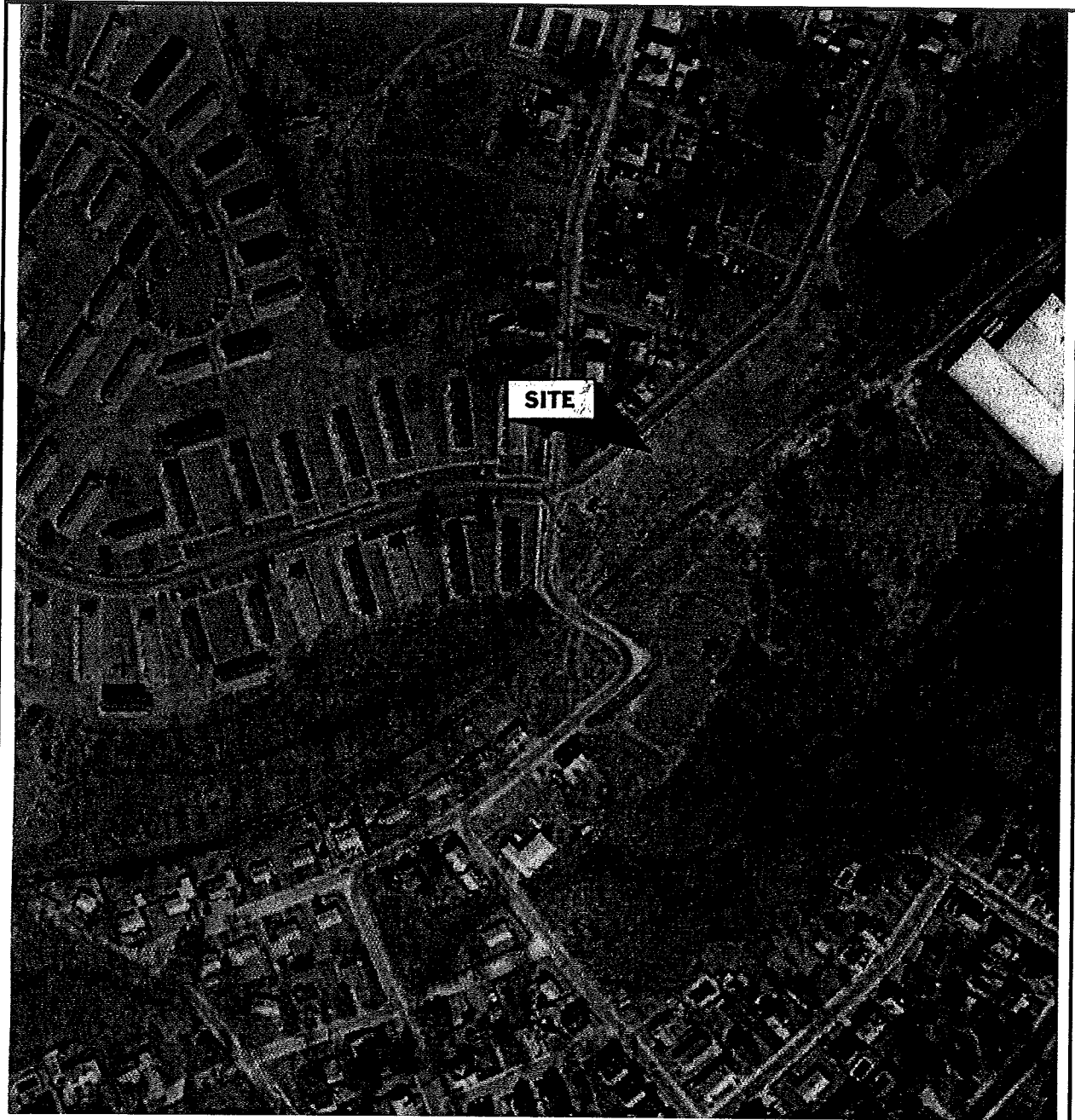
176 Sunnyside Avenue
Plat 3, Lot 7
Woonsocket, Rhode Island


Project No.
081-12140-00

Scale:
1:4349

LFR Levine-Fricke
250 Centerville Road
Building E, Suite 12
Warwick, RI 02886

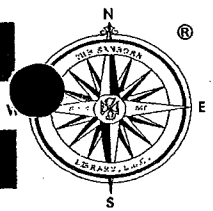




| | | |
|-------------------------|--|---|
| Date: 1992 | 176 Sunnyside Avenue Plat 3, Lot 7 Woonsocket, Rhode Island | Project No. 081-12140-00 |
| Scale: 1:4349 | LFR Levine-Fricke 250 Centerville Road Building E, Suite 12 Warwick, RI 02886 |  |

APPENDIX F

SANBORN FIRE INSURANCE MAPS



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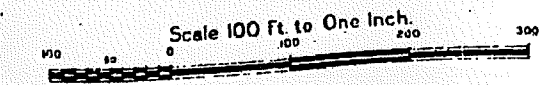
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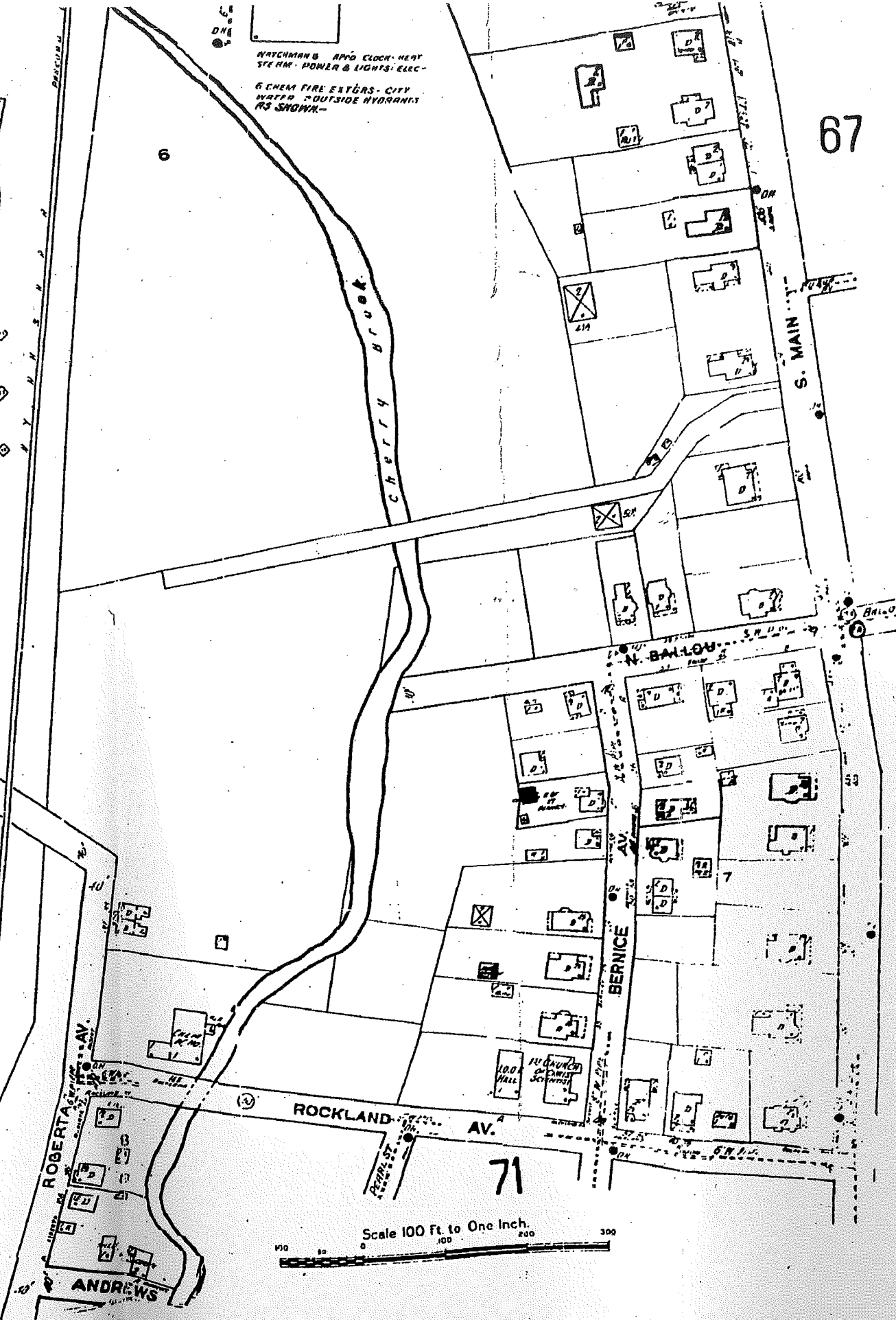
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71

71



0 100 200 300



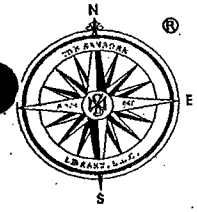
The Sanborn Library, LLC

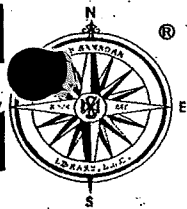
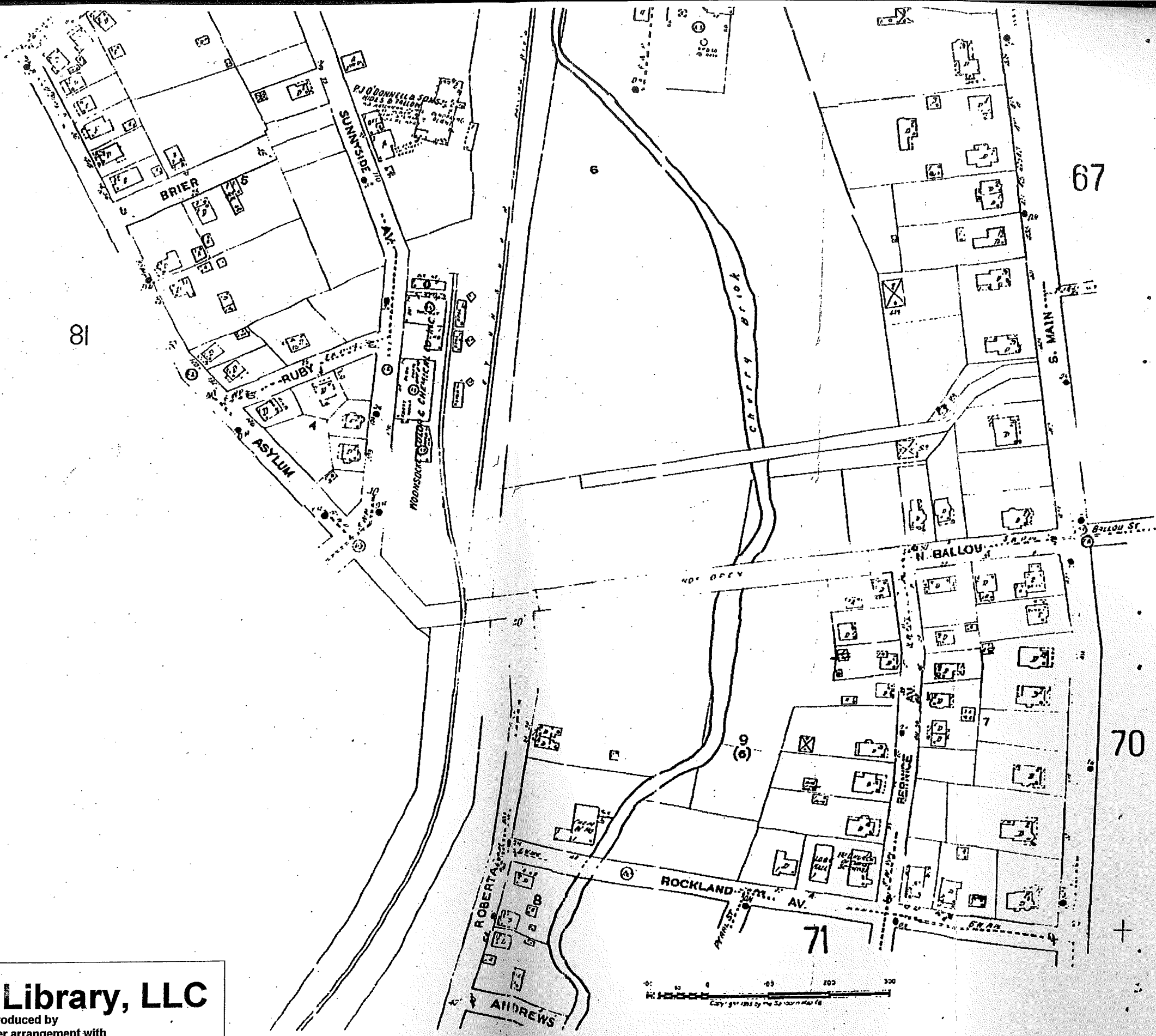
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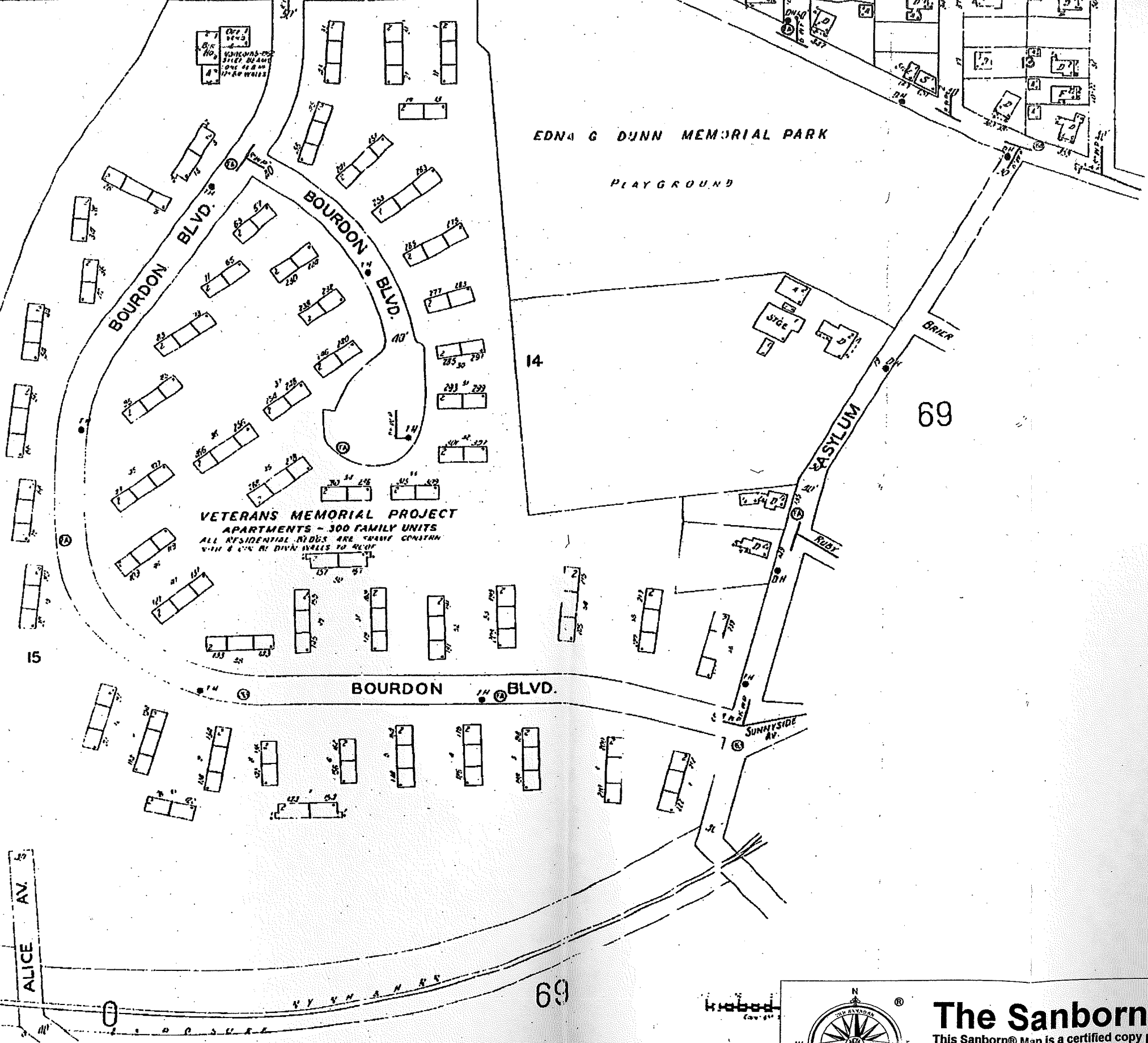
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SEE MAP OF NORTH SMITHFIELD

TOWN OF NORTH SMITHFIELD
WOONSOCKET FIRE TRUCK



VETERANS MEMORIAL PROJECT
APARTMENTS - 300 FAMILY UNITS
ALL RESIDENTIAL UNITS ARE FRAME CONSTRUCTION
WITH 4" x 4" DIVISION WALLS TO 4' HIGH

EDNA G. DUNN MEMORIAL PARK
PLAYGROUND

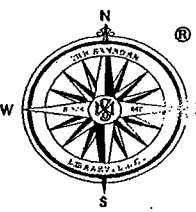
69

BOURDON BLVD.

ASYLUM

ALICE AV.

69



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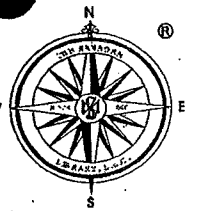
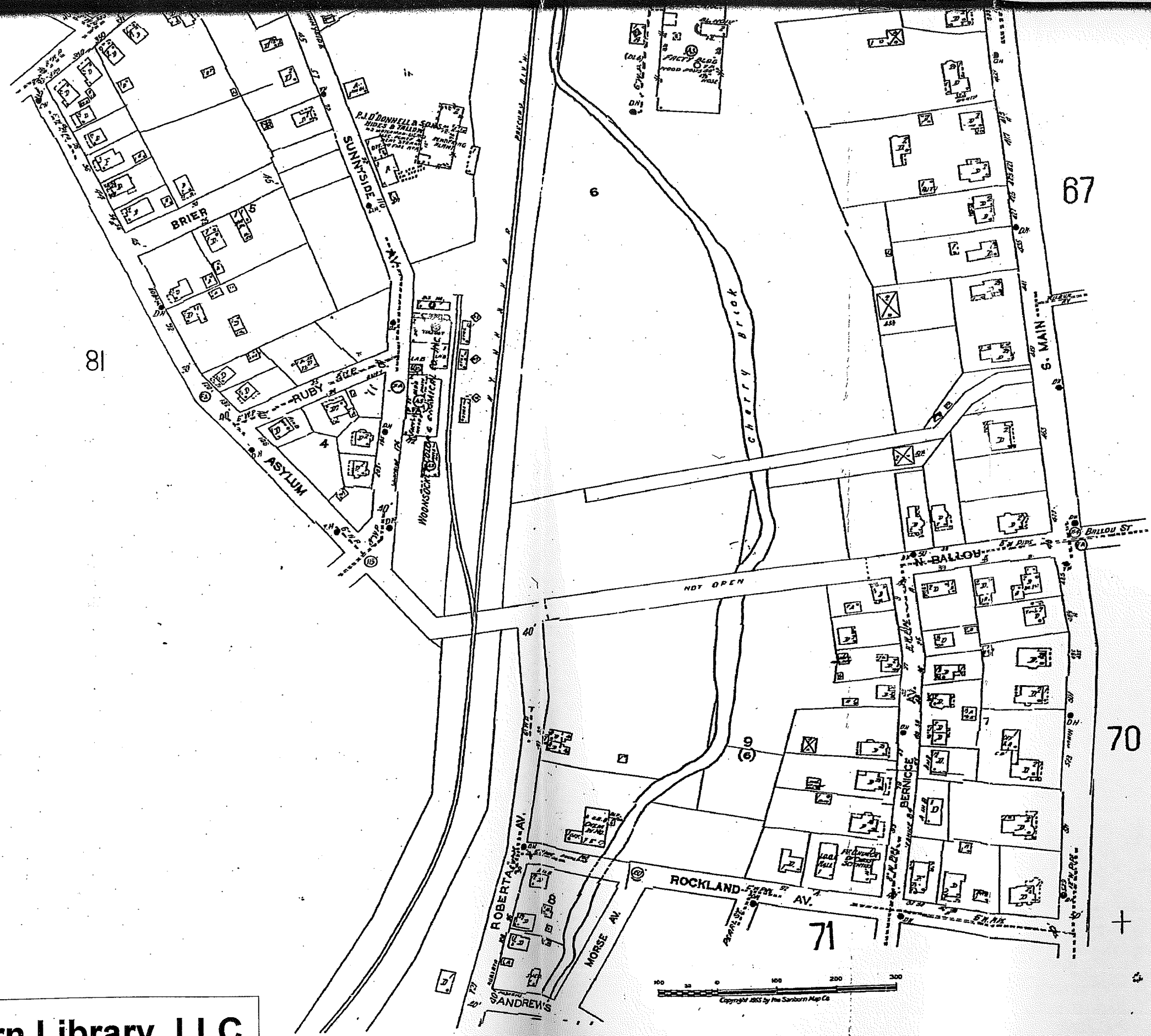
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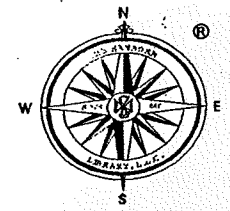
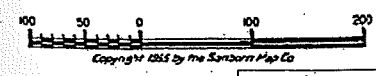
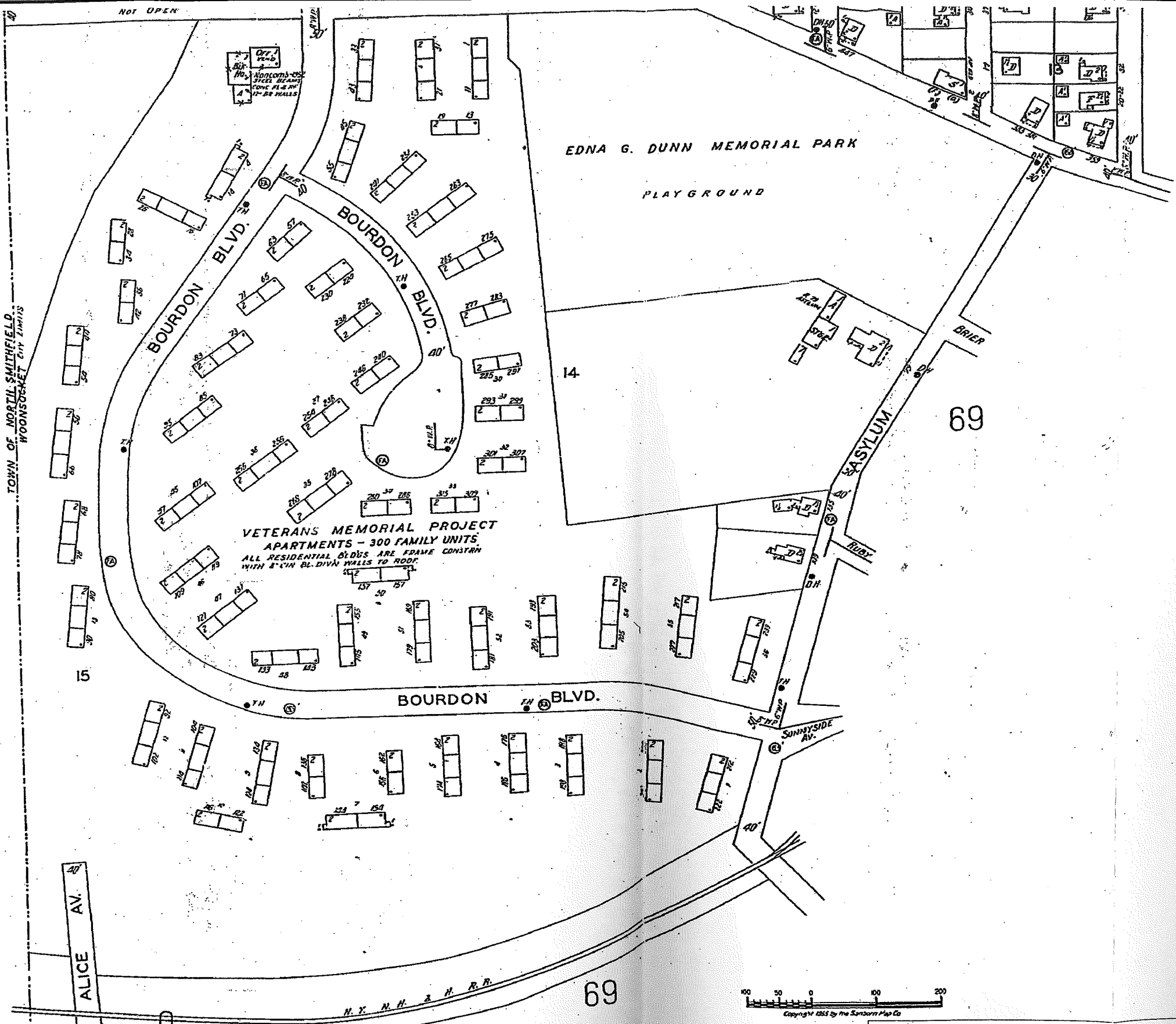


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SEE MAP OF NORTH SMITHFIELD

TOWN OF NORTH SMITHFIELD
WOONSOCKET CITY LIMITS

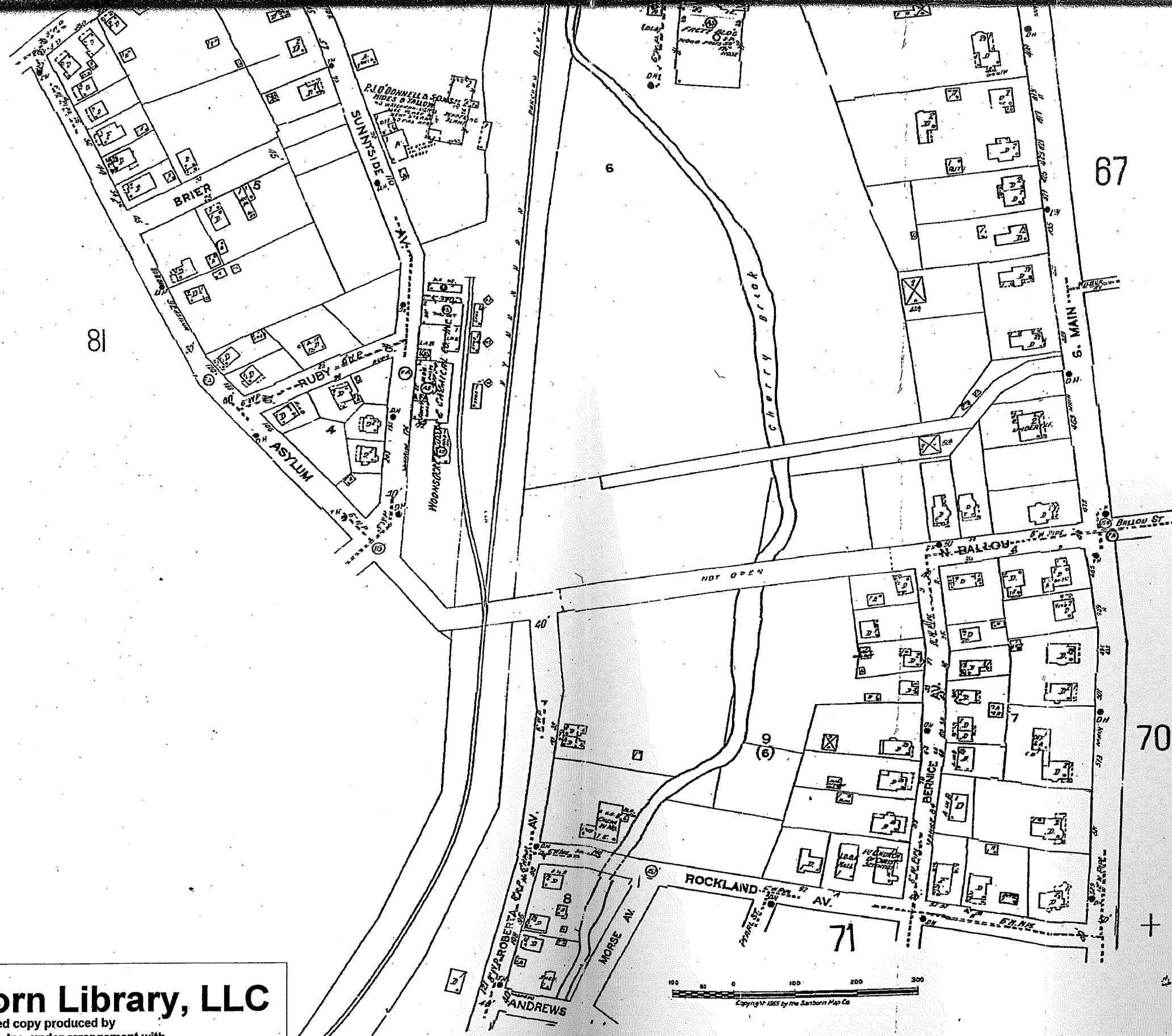


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81

67

70

71

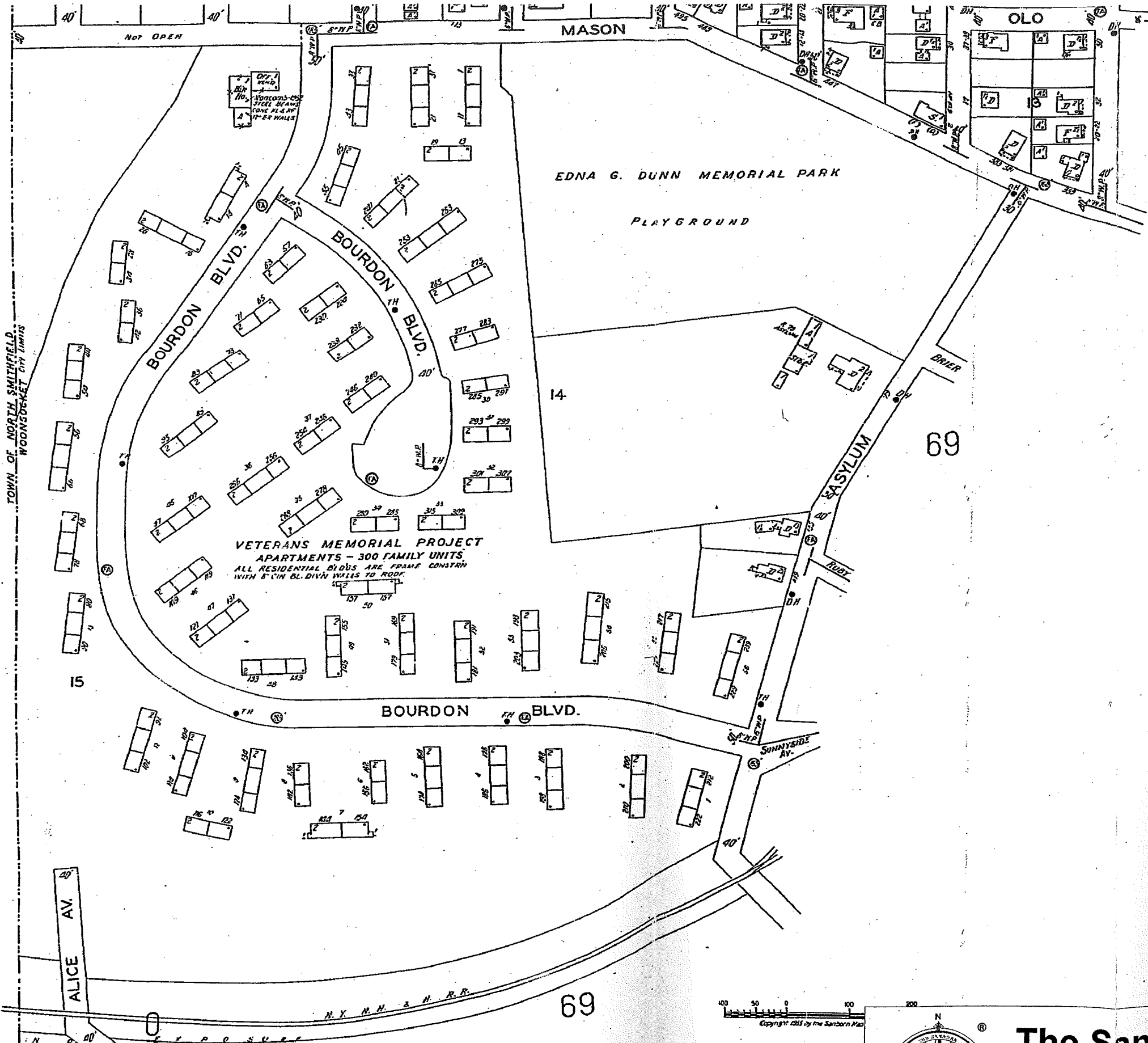


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SEE MAP OF NORTH SMITHFIELD



VETERANS MEMORIAL PROJECT
 APARTMENTS - 300 FAMILY UNITS
 ALL RESIDENTIAL BLDGS ARE FRAME CONSTR
 WITH 8" IN BL. DIVN WALLS TO ROOF.

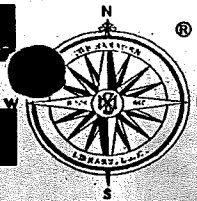
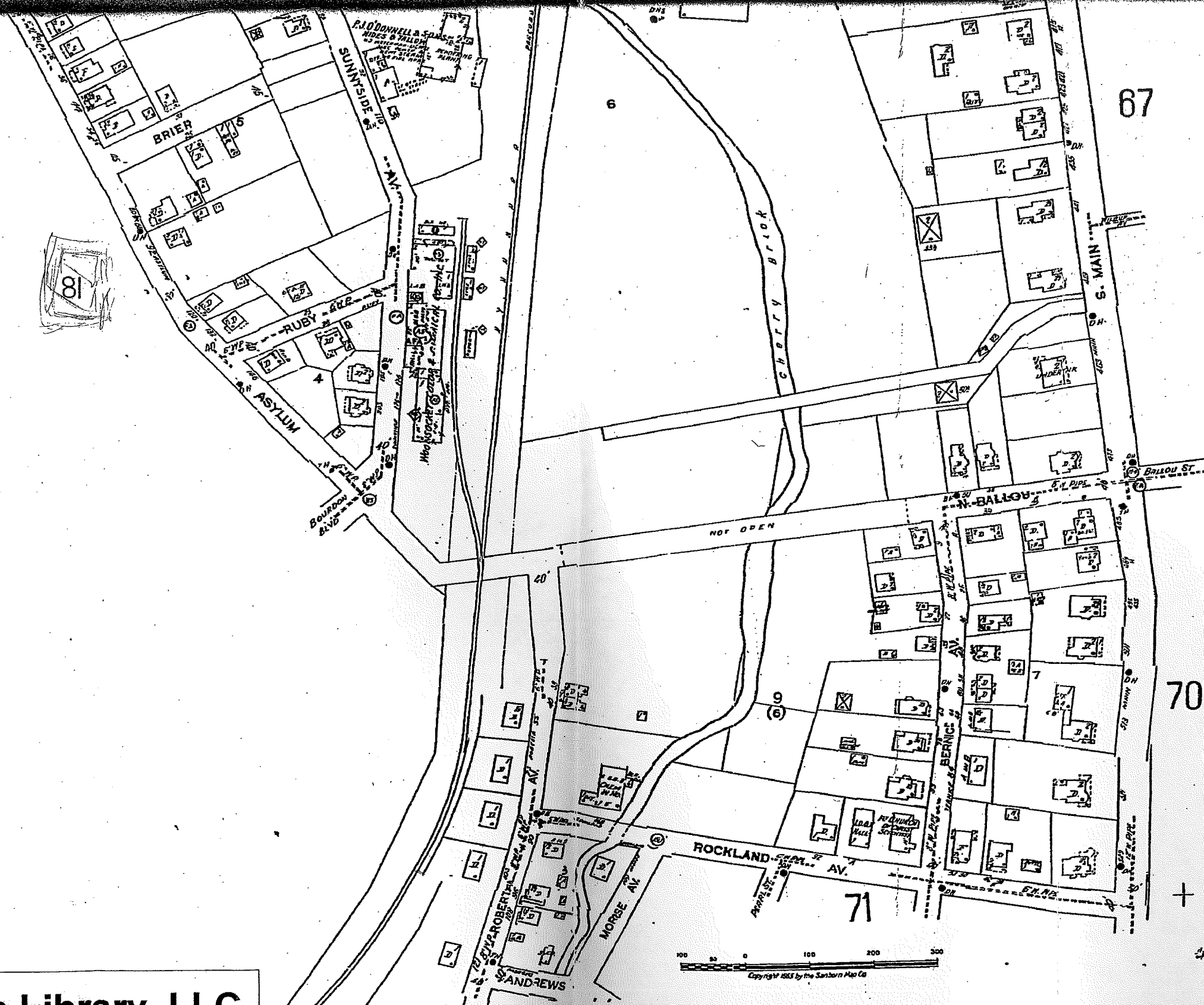
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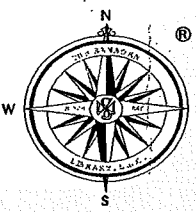
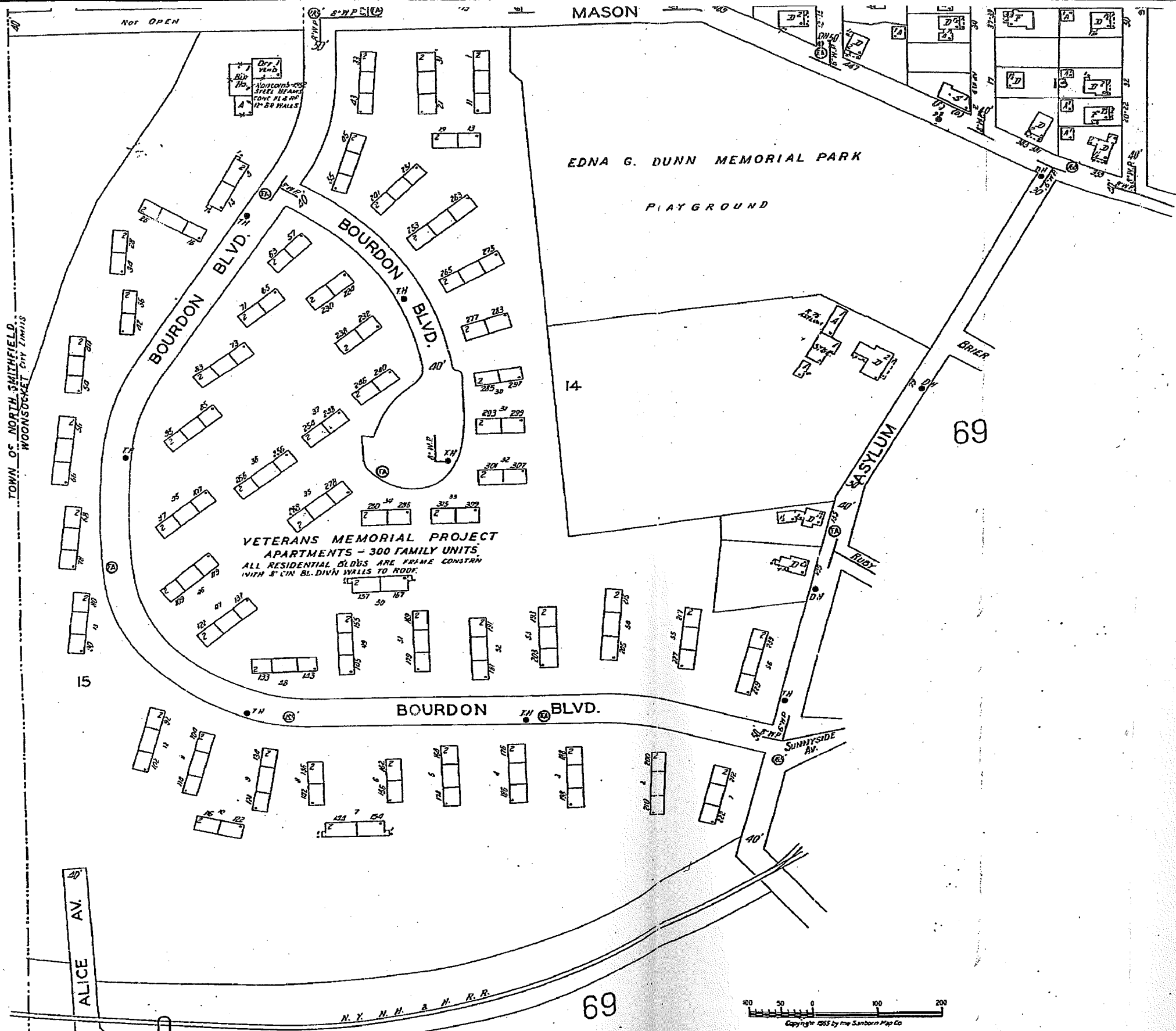
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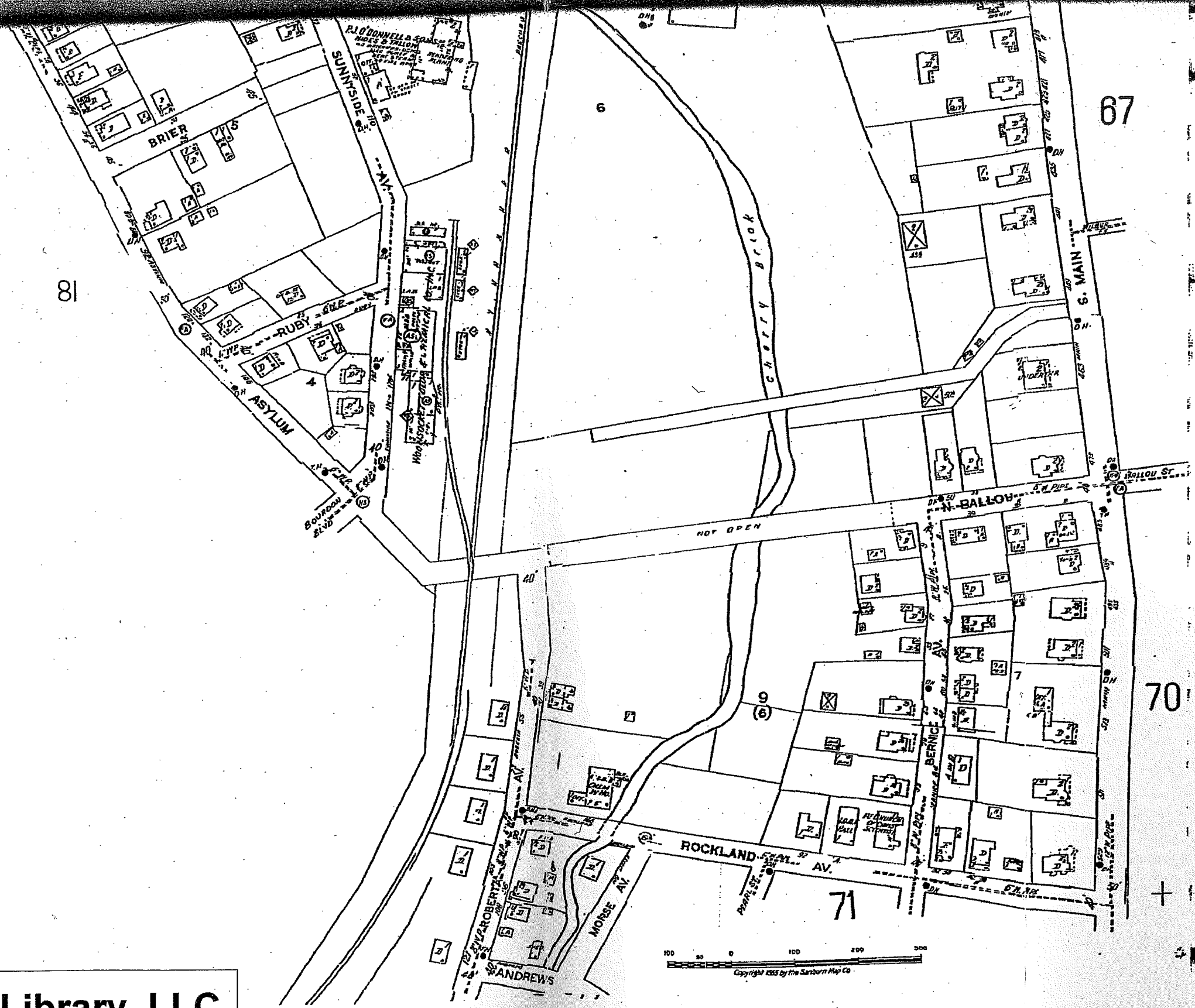
SEE MAP OF NORTH SMITHFIELD

TOWN OF NORTH SMITHFIELD, WOODSCKET CITY LIMITS



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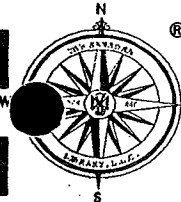
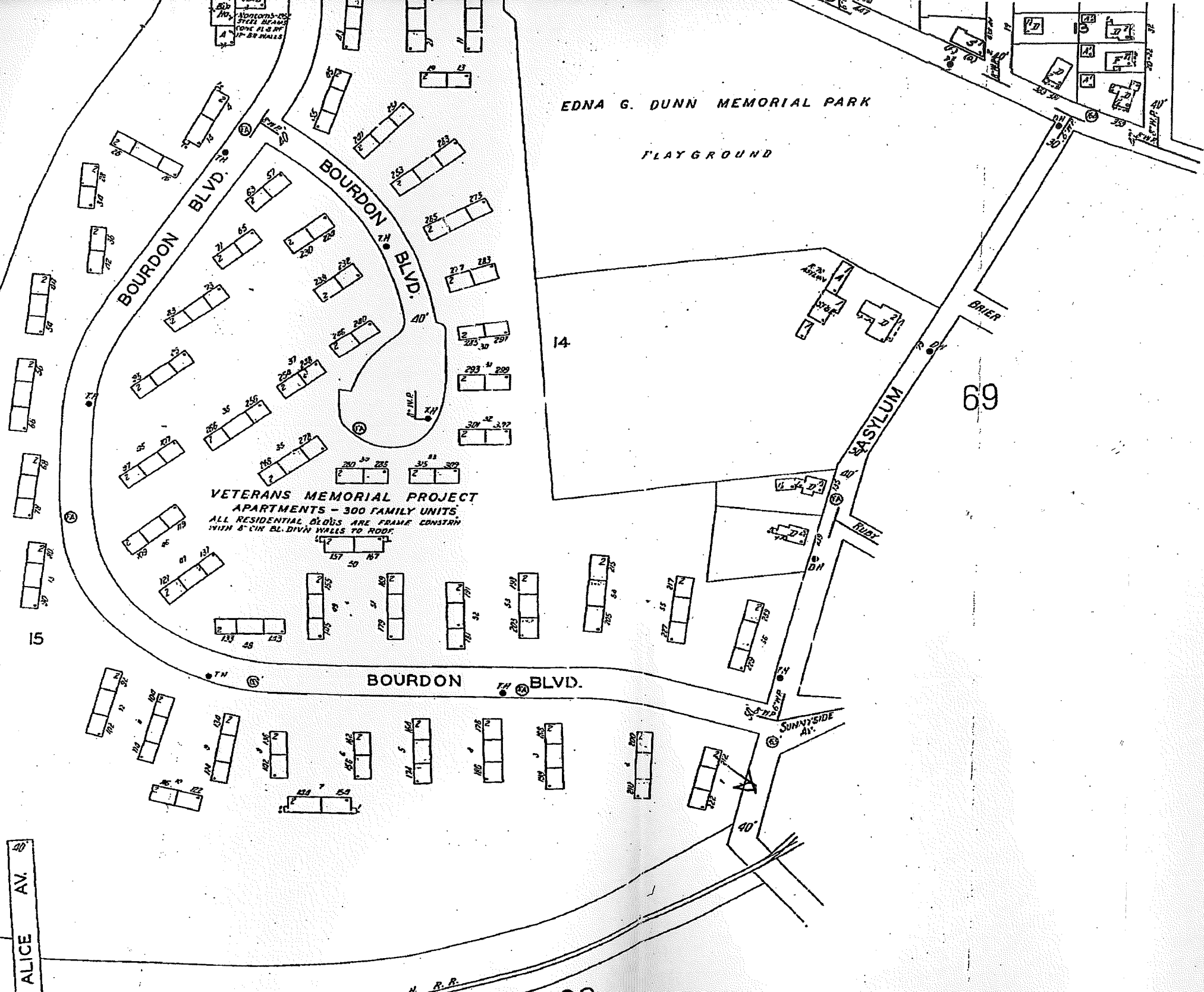
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SEE MAP OF NORTH SMITHFIELD

TOWN OF NORTH SMITHFIELD
WOONSOCKET CITY LIMITS



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SMITHFIELD

APPENDIX G

RIDEM INFORMATION

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF COMPLIANCE AND INSPECTION
RESPONSE REPORT FORM

CITY/TOWN: WOONSOCKET

REPORT #: 98-206
SRM #:

PROGRAM

ACTIVITY

OIL:
HAZMAT: KXX
SITE REMEDIATION:
LUST:
OTHER: (Program)

EMERGENCY RESPONSE: EMR 98-149
COMPLAINT:

COMPLAINT RECEIVED

RECEIVED BY: JOHN P. LEO
DATE: 26-Apr-98 TIME: 8:30 PM

NAME AND ADDRESS OF COMPLAINANT

NAME AND ADDRESS OF ALLEGED SOURCE

NAME: STEVE PRESTON
ADDRESS: WOONSOCKET FIRE DEPT.
CITY: WOONSOCKET
STATE: RI ZIP:
TELEPHONE: 765-2500

NAME: CAVEDON CHEMICAL
ADDRESS: 92 SUNNYSIDE AVE
CITY: WOONSOCKET
STATE: RI ZIP:
TELEPHONE:

PERMISSION TO DISCLOSE NAME: Y

ATURE OF INCIDENT: FIRE IN CHEMICAL WAREHOUSE.

MATERIAL INVOLVED: ASST CHEMICALS

AMOUNT: VARIOUS

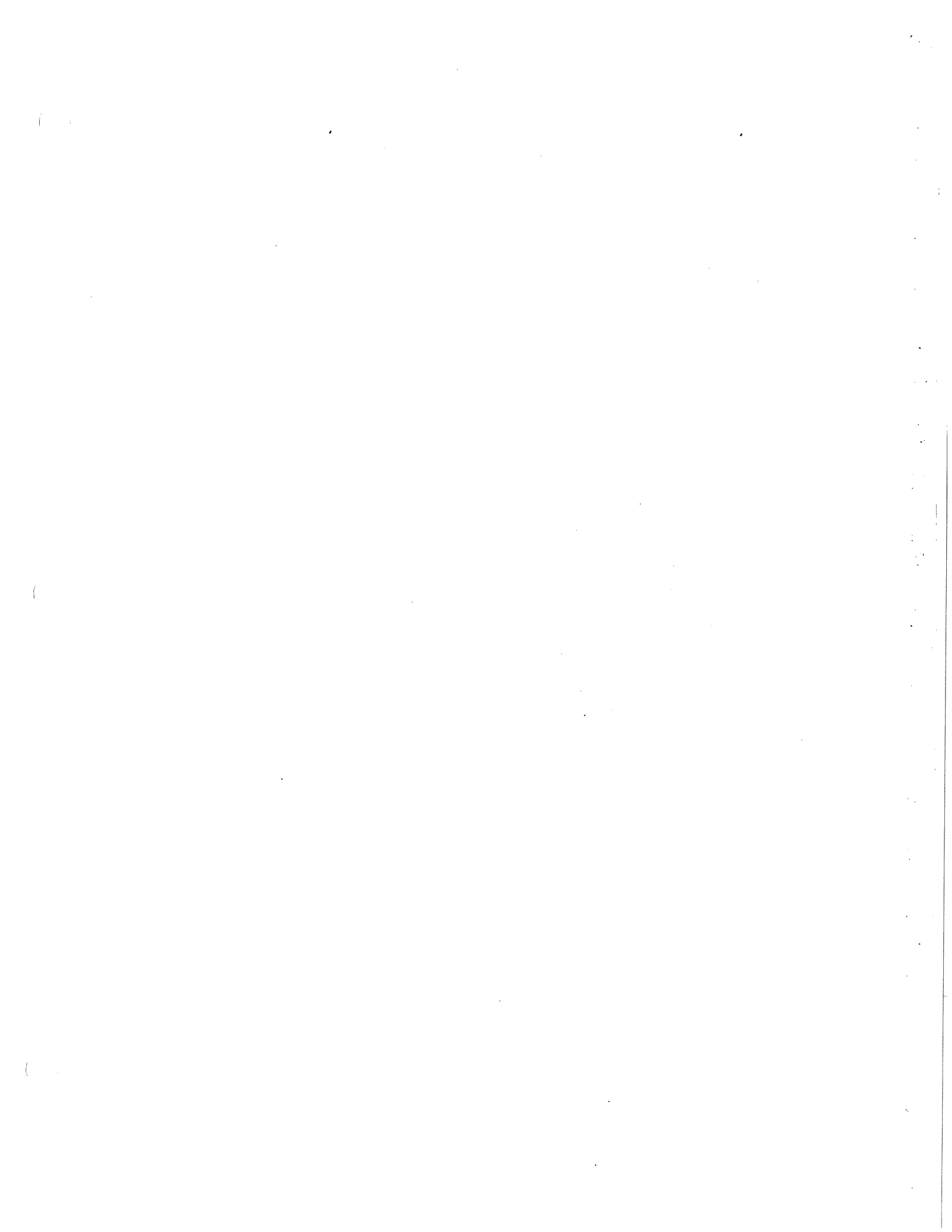
UNITS: AMOUNTS

IMPACTS: THE FIRE DISPOSED OF A LARGE AMOUNT OF HAZARDOUS CHEMICALS.

INCIDENT LOCATION

PROPERTY OWNER: CHARLES O'DONNELL
ADDRESS: 1204 BROOKHAVEN LANE
CITY: WOONSOCKET
STATE: RI ZIP: 02895
TELEPHONE: 401-762-0525

SUMMARY: AT ABOUT 8 PM A FIRE WAS REPORTED AT THE CAVEDON WAREHOUSE AT 92 SUNNYSIDE AVE. THE BUILDING WAS TOTALLY DISTROYED. A DECISION WAS MADE EARLY ON THAT THE BUILDING WOULD NOT BE PUT OUT BUT THAT BASED ON THE CHEMICALS PRESENT THE FIRE WOULD DO LESS HARM IF IT WAS ALLOWED TO BURN. STEVE PRESTON, THE HAZMAT OFF. OF THE WOON. FD. AND I HAD TALKED ABOUT THE SITUATION AND THE FIRE PLAN WAS TO LET THE BUILDING BURN. THE COAST GUARD AND THE EPA WERE NOTIFIED. THE COAST GUARD BECAUSE THE FIRE WAS NEAR A TRIBUTARY OF THE BLACKSTONE RIVER



AND THE EPA SINCE THERE WAS A LARGE SMOKE PLUME. THE STATE NEEDED THE EPA TO DO AIR MONITORING DURING THE FIRE AND AFTER IT WHEN THE RUINS WERE EXTINGUISHED. NO CHEMICALS WERE DETECTED IN THE SMOKE PLUME THAT POSED A RISK TO THE PUBLIC OR TO THE ENVIRONMENT. DEM CALLED IN CLEAN HARBORS TO STANDBY IN CASE WE NEEDED TO PUMP UP THE WATER THAT WAS BEING USED TO PROTECT EXPOSURES. A SAMPLE OF THIS WAS TAKEN FOR ANALYSIS TO SHOW THAT THE WATER WAS NO CONTAMINATED BY THE FIRE. THIS WILL BE ANALYZED FOR HEAVY METALS. THE FIRE BURN THRU THE NIGHT TO ABOUT 10 AM WHEN THE RESIDUE WAS EXTINGUISHED WITH CLASS B FOAM. ALL SIGNS OF THE HAZARDOUS LABORATORY CHEMICALS WERE DESTROYED IN THE FIRE. AS FOR THE RAW PRODUCTS AND THE WASTE DRUMS THESE WERE ALSO INCINERATED. THE EPA WILL BE OVERSEEING THE CLEANUP OF THE BUILDING TO MAKE SURE ALL HAZARDOUS CHEMICALS ARE PROPERLY REMOVED. AS FOR THE CAUSE OF THE FIRE IT IS UNDER INVESTIGATION BY THE FIRE MARSHALL'S OFFICE. DORI PAAR IS INCHARGE FOR THE EPA AFTER TAKING OVER FOR TOM CONDON. THE CHEMIST ROBERT SHANE OF ACS WAS CONTACTED ABOUT THE FIRE AND SAID THAT HE HAD NOT INVENTORIED THE EXTREMELY HAZARDOUS CHEMICAL BUT THAT NONE OF THESE CHEMICAL WOULD HAVE SURVIVED THE HEAT OF THE HOT FIRE THAT DESTROYED THE BUILDING. THE DEM WILL BE WORKING WITH THE EPA AND THE PRP'S TO REMEDIATE THE SITE.

OTHER AGENCIES

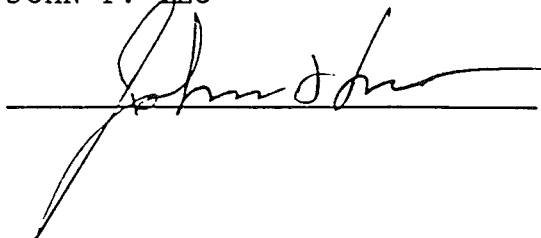
| | | |
|----------------------|----------------------------|----------------------|
| NAME: CAVEDON | CONTACT: JOSEPH CAVEDON | PHONE: 333-0175 |
| NAME: PROPERTY OWNER | CONTACT: CHARLES O'DONNELL | PHONE: 821-3005 WORK |
| NAME: " | CONTACT: " | PHONE: 762-0525 HOME |
| NAME: DORI PAAR | CONTACT: EPA | PHONE: 781-860-4300 |

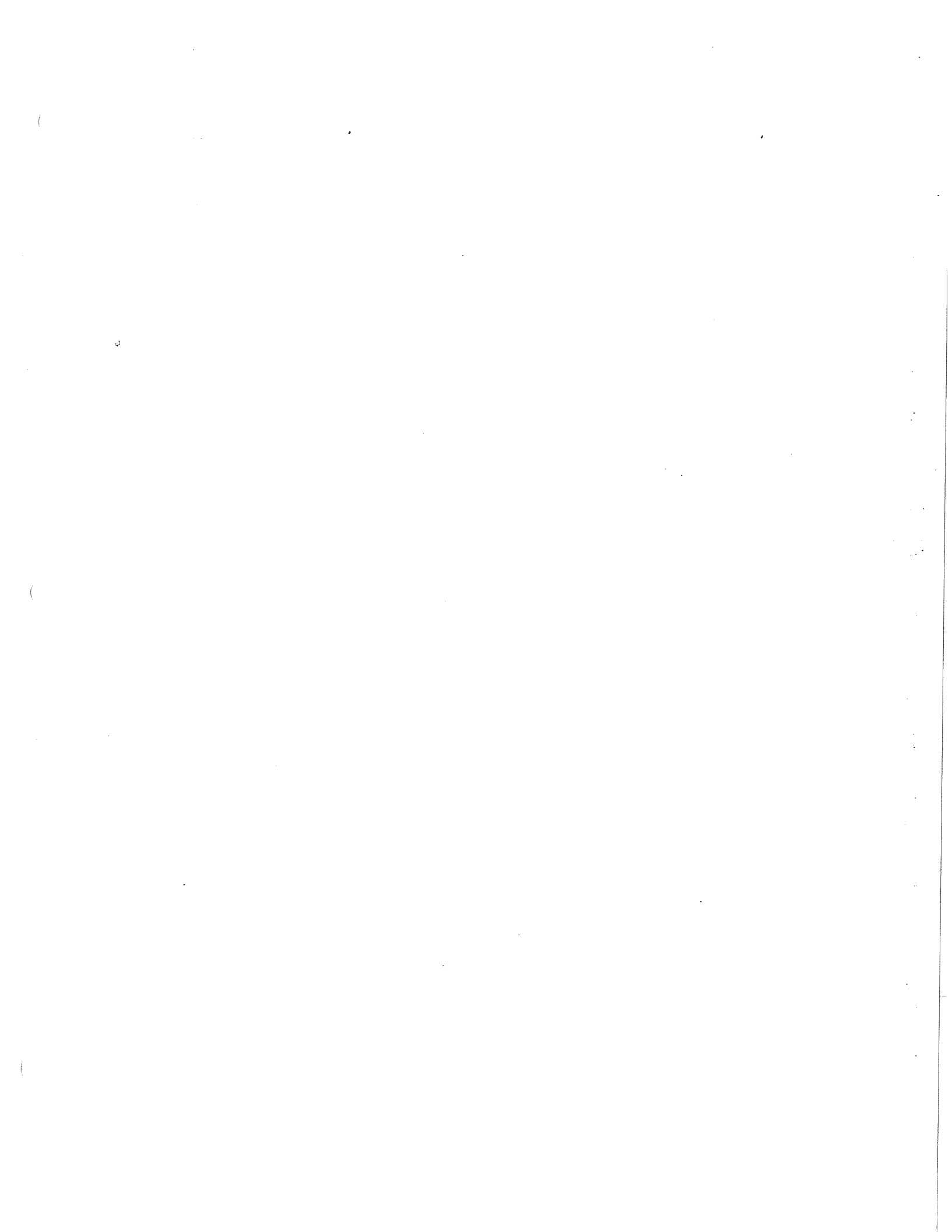
INVESTIGATOR(S): JOHN P. LEO

DATE: 27-Apr-98

SIGNATURE(S):

TIME:





Fontaine & Croll, Ltd.
Attorneys at Law

34 Hamlet Avenue, Woonsocket, Rhode Island 02895-4493
(401) 765-0200
Fax (401) 765-6357

May 7, 1998

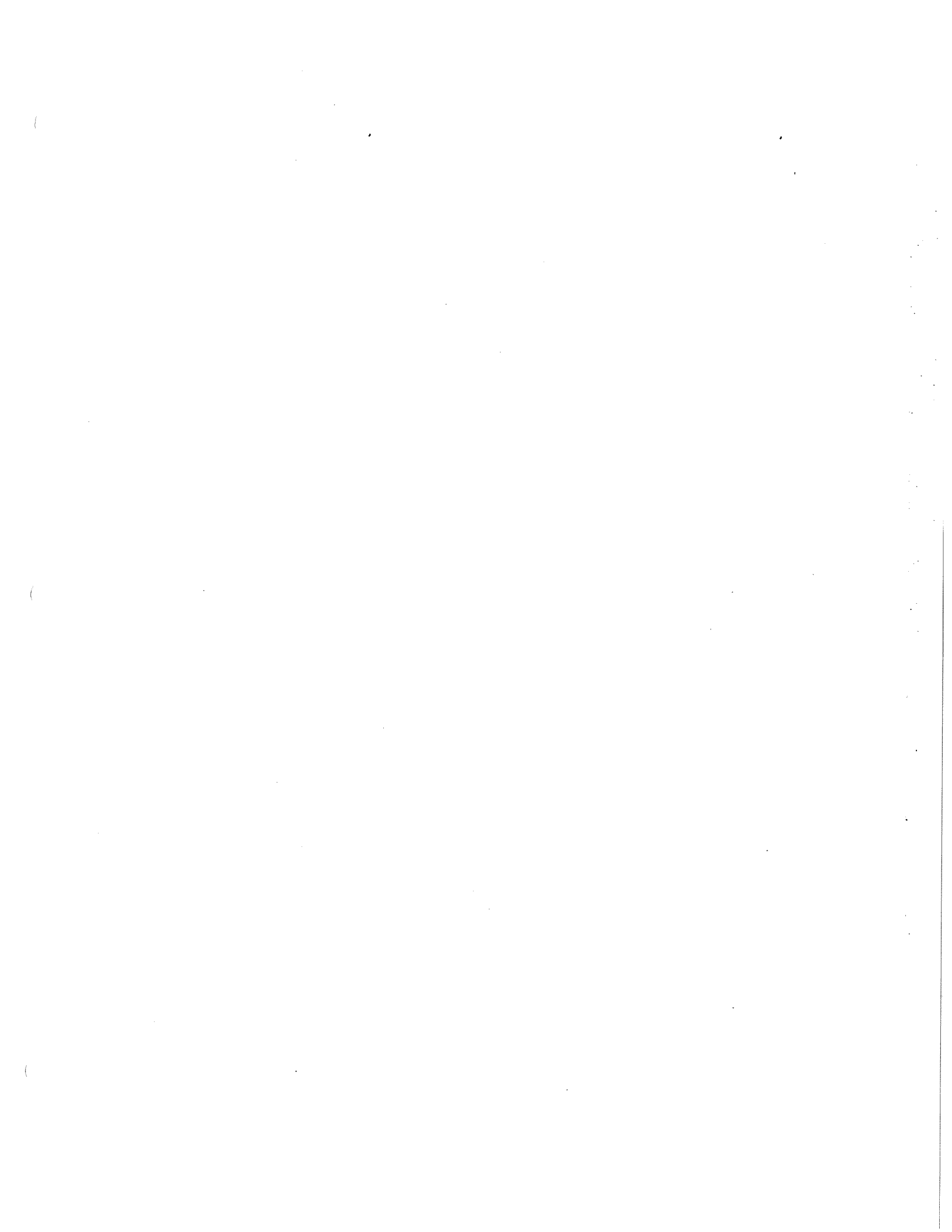
RIDEM
Office of Compliance & Inspection
Attn: John Leo- Engineer
235 Promenade Street
Providence, RI 02908

RE: DEM
VS: C. & J. O'D., Inc.
92 Sunnyside Avenue, Plat 3, Lot 97
File: Cavedon

Dear Mr. Leo:

I represent C. & J. O'D., Inc, the owners of the above entitled property. Several months ago my clients property was destroyed by a fire that had been intentionally set by some teenage boys who lived nearby. You became involved because a tenant at the building had stored some chemicals on the property. It is my understanding that all of the chemicals have been cleaned up and you have concluded your involvement with this property. Please provide me with the letter you had previously indicated you would forward to me stating that the chemicals had been cleaned up and that this concludes DEM involvement. I would also appreciate you providing me with any copies of tests you might of made on the property since the fire.

In an earlier conversation you indicated that DEM became with Cavedon Chemicals some months prior to the fire and had begun to catalog and secure certain chemicals on the property. This letter shall act a request that you provide me with any information relative to that contact, including explaining what the action was about and providing me with copies of any documents or correspondence pertaining to this matter. In addition, I am looking for a list of all chemicals you had found on the



MR STEVE PETERSON
FONTAINE & CROLL, LTD.
34 HAMLET AVE.
WOONSOCKET, RI.02895

JUNE 17, 1998

DEAR MR. PETERSON:

PLEASE BE ADVISED THAT SAMPLING OF THE RESIDUE AT THE FORMER
CAVEDON FACILITY AT 92 SUNNYSIDE AVE. SHOWS THAT THE REMAINING
MATERIAL IN THE OLD FOUNDATION IS NOT HAZARDOUS. IT HOWEVER IS
SOLID WASTE AND WILL HAVE TO BE DISPOSED OF AS SUCH AT A PROPER
SOLID WASTE FACILITY.

FURTHER AN INSPECTION OF THE LOCATIONS SHOWS SEVERAL OTHER
PROBLEMS. THE FIRST IS THE PRESENCE OF UNUSED UNDERGROUND STORAGE
TANKS USED FOR GASOLINE AND DIESEL OIL. THESE WILL NEED TO BE
REMOVED BEFORE DECEMBER OF 1998. IF THEY ARE NOT THEY WILL BE
INVIOLATION OF FEDERAL REGULATIONS. SECOND THERE IS A LARGE ABOVE
GROUND STORAGE TANK WHICH HAS ASBESTOS INSULATION AROUND IT THIS
NEED TO BE REMOVED SINCE THE ASBESTOS IS DECAYING TO THE POINT THAT
IT IS BECOMING EXPOSED TO THE ENVIRONMENT. THIRD THERE IS A LARGE
AMOUNT OF SOLID WASTE GENERATED BY THE FIRE IN THE FORM OF METAL
AND BURNED WOOD RESIDUE. THIS MATERIAL WILL HAVE TO BE PROPERLY
DISPOSE OF AS SOLID WASTE BEFORE THE SITE CAN BE BACKFILLED.

IF YOU HAVE ANY QUESTIONS CONCERNING THIS MATTER OR ANYTHING
ELSE PLEASE FEEL FREE TO CALL ME AT 222-1360-7127.

SINCERELY YOURS,

JOHN P. LEO
HAZARDOUS WASTE ENGINEER

*Was sent
out By
John Leo!*

(

(

(

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF COMPLIANCE AND INSPECTION

TEMPORARY ID NUMBER FORM

Date: 09/25/1998

Name of Generator: Cavedon Co. Inc.

Actual site address: 92 Sunnyside Avenue

Actual City/Town: Woonsocket, RI 02895

Mailing Address: 26 Avenue C

City, State, Zip: Woonsocket, RI 02895

Contact Person: Joe Cavedon Phone Number: 401-658-0400

Legal Owner of Property: Joe O'Donald

Description of Waste: ash from chemical fire

Quantity of Waste: 38 - 55gallon drums

Hazardous in Rhode Island: Yes No Waste Code: D002

Action: Routine Disposal Tank Cleaning UST Removal
 Other _____

Transporter: General Chemical

Designated Facility: Framingham, MA

EPA Identification Number: RIP 000018387

Require Application for a Permanent Number?: Yes No



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF COMPLIANCE AND INSPECTION

IN RE: C. & J. O'D., INC.

OC&I/UST NO. 00-01842

P. J. O'Donnell & Sons
92 Sunnyside Avenue
Woonsocket, Rhode Island

NOTICE OF VIOLATION

A. Introduction

Pursuant to *Sections 42-17.1-2(u) and 42-17.6-3 of the Rhode Island General Laws, as amended*, you are hereby notified that the Director of the Department of Environmental Management (the "Director" of "DEM") has reasonable grounds to believe that the above-named party ("Respondent") has violated certain statutes and/or administrative regulations under DEM's jurisdiction.

B. Facts

- (1) The subject property is located at 92 Sunnyside Avenue in the City of Woonsocket, Rhode Island, otherwise identified as Woonsocket Assessor's Plat 3B, Lot 97 (the "Property" or "Facility").
- (2) C. & J. O'D., Inc. is the owner of the Property.
- (3) P. J. O'Donnell and Sons, Inc. is the owner of record in the City of Woonsocket's land evidence records; however, P. J. O'Donnell and Sons, Inc. changed its name to C. & J. O'D., Inc. on 3 January 1992.
- (4) C. & J. O'D., Inc. is the operator of the Property.
- (5) C. & J. O'D., Inc. is the owner of three underground storage tanks ("USTs" or "tanks") that are located on the Property. These USTs are/were used for storage of petroleum products and are subject to the Rhode Island Regulations for Underground Storage Facilities Used for Petroleum Products and Hazardous Materials (the "UST Regulations").
- (6) The Facility is registered with DEM pursuant to Section 8.00 of the UST Regulations and is identified as UST Facility No. 01842.

- (7) The USTs are registered with DEM for this Facility as follows:

| UST ID No. | Date Installed | Size (gallons)/Substance Stored |
|------------|----------------|---------------------------------|
| 001 | 1950 | 500/gasoline |
| 002 | 1950 | 500/gasoline |
| 003 | 1974 | 8,000/ gasoline |

- (8) Section 10.03 of the UST Regulations mandated that owners/operators of all existing UST facilities provide for corrosion protection of all steel tanks and piping no later than 22 December 1998. Facilities were to provide for corrosion protection by either closing all tank systems and installing replacement systems that comply with Section 11.00 or upgrading the tanks for corrosion protection through interior lining and/or cathodic protection.
- (9) Between 11 June 1998 and 8 December 1998, DEM issued four warning letters to UST owners reminding them of the 22 December 1998 deadline.
- (10) On 14 January 1999, DEM issued a Notice of Intent to Enforce to Respondent concerning their alleged violation of Section 10.03 of the UST Regulations at the Facility. The non-compliant UST systems were identified as UST Nos. 001, 002, and 003.
- (11) DEM inspections of the Property in April 1998, November 1998, April 1999, May 1999, and June 2000 all revealed that the USTs were not in service.
- (12) By letter dated 13 July 1999, DEM notified Respondent that the abandoned USTs must be permanently closed in accordance with the UST Regulations.
- (13) Upon information and belief, UST Nos. 001, 002, and 003 have not been precision tested since 1986 and they have not been upgraded for spill containment, overfill protection, and corrosion protection in accordance with the UST Regulations.
- (14) Upon information and belief, UST Nos. 001, 002, and 003 have been out-of-service or abandoned since at least April 1998, in violation of Sections 8.03(C), 15.02(A), and 15.05 of the UST Regulations.
- (15) Upon information and belief, UST Nos. 001, 002, and 003 remain in place on the Property and Respondent has failed to submit a permanent closure application to DEM.

C. Violation

Based on the foregoing facts, the Director has reasonable grounds to believe that you have violated the following regulations:

- (1) Section 8.03(C) of the UST Regulations requiring the permanent closure of any USTs that have been removed from service for longer than 180 days.
- (2) Section 15.02(A) of the UST Regulations prohibiting the abandonment of USTs and their associated systems.
- (3) Section 15.05 of the UST Regulations pertaining to permanent closure of USTs removed from service for more than 180 days.

D. Order:

Based upon the violations alleged above and pursuant to *R.I. Gen. Laws §42-17.1-2(u)*, you are hereby **ORDERED** to:

- (1) Within ninety (90) days of receipt of this NOV, submit a permanent closure application to DEM and complete the removal of UST Nos. 001, 002, and 003, in accordance with Sections 15.06, 15.07, 15.08 and 15.11 of the UST Regulations.
- (2) Within thirty (30) days of the removal of UST Nos. 001, 002, and 003, complete and submit to DEM a *Closure Assessment* in accordance with Section 15.10 of the UST Regulations, the UST Closure Assessment Guidelines, October 1998, and Section 13.00 of the Oil Pollution Control Regulations.
- (3) Based on the information in the *Closure Assessment*, DEM may require that a site investigation be conducted and that a *Site Investigation Report* ("SIR") be submitted in accordance with Sections 14.08, 14.09, and 14.10 of the UST Regulations and within a time frame specified by DEM. Based on the information in the SIR, DEM may require submittal of a *Corrective Action Plan* ("CAP") within a time frame specified by DEM and in accordance with Sections 14.11 and 14.12 of the UST Regulations. The CAP must be implemented in accordance with any Order of Approval issued by DEM.

E. Assessment of Penalty:

- (1) Pursuant to *R.I. Gen. Laws §42-17.6-2*, the following administrative penalty, as more specifically described in the attached penalty summary and work sheets, is hereby **ASSESSED**, jointly and severally, against each named respondent:

Fifteen thousand dollars (\$15,000.00)

- (2) The proposed administrative penalty is calculated pursuant to the Rules and Regulations for Assessment of Administrative Penalties, as amended, and must be paid to the Director within 20 days of your receipt of this NOV. Payment shall be in the form of a certified check or money order made payable to the "General Treasury - Water & Air Protection Program Account," and shall be forwarded to the DEM - Office of Management Services, 235 Promenade Street, Room 340, Providence, Rhode Island 02908-5767, along with a copy of this NOV.

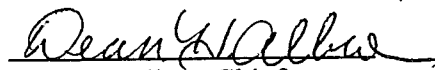
F. Right to Administrative Hearing

- (1) Pursuant to *R.I. Gen. Laws §§42-17.1-2(u)(1), 42-17.6-4 and Chapter 42-35*, each named respondent is entitled to request a hearing before the Director or his/her designee regarding the allegations, orders and/or penalties set forth in Paragraphs B through E, above. **All requests for hearing MUST:**
- (a) Be in writing. *See R.I. Gen. Laws §§42-17.1-2(u)(1) and 42-17.6-4(a);*
 - (b) Be **RECEIVED** by DEM's Administrative Adjudication Division within ten (10) days of your receipt of this NOV. *See R.I. Gen. Laws Sections 42-17.1-2(u)(1), 42-17.1-2(u)(3)(b) and 42-17.6-4(a);*
 - (c) Indicate whether you deny the alleged violations and/or whether you believe that the administrative penalty is excessive. *See R.I. Gen. Laws Section 42-17.6-4; AND*
 - (d) State clearly and concisely the specific issues that are in dispute, the facts in support thereof, and the relief sought or involved, if any. *See Rule 7.00(b) of the Administrative Rules of Practice and Procedure for the Administrative Adjudication Division of Environmental Matters.*
- (2) All written requests for hearing must be forwarded to:
- Chief Hearing Officer
DEM - Administrative Adjudication Division
235 Promenade Street, Suite 310
Providence, RI 02908-5767
- (3) A copy of each request for hearing must also be forwarded to:
- Kristine D. Williamson
DEM - Office of Legal Services
235 Promenade Street, Suite 425
Providence, RI 02908-5767
- (4) Each named respondent has the right to be represented by legal counsel at all administrative proceedings relating to this matter.

- (5) If any respondent fails to request a hearing in the above-described time or manner with regard to any violation set forth herein, then this NOV shall automatically become a Final Compliance Order enforceable in Superior Court as to that respondent and/or violation and any associated administrative penalty proposed in the NOV shall be final as to that respondent. *See R.I. Gen. Laws Sections 42-17.1-2(u)(5) and 42-17.6-4(b).*
- (6) Failure to comply with this NOV may subject each respondent to additional civil and/or criminal penalties.
- (7) An original signed copy of this NOV is being forwarded to the City of Woonsocket, wherein the Property is located, to be recorded in the Office of Land Evidence Records pursuant to R.I. Gen. Laws Chapter 34-13 and 42-17.1-2 (ee), as amended.
- (8) This NOV does not preclude the Director from taking any additional enforcement action nor does it preclude any other local, state, or federal governmental entities from initiating enforcement actions based on the acts or omissions described herein.

If you have any questions concerning this NOV, please contact Tracey A. Tyrrell of the DEM - Office of Compliance and Inspection at (401) 222-1360, ext. 7407.

FOR THE DIRECTOR,



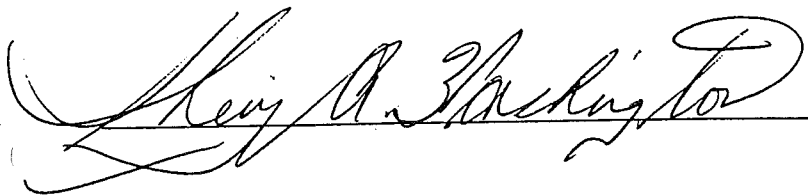
Dean H. Albro, Chief

DEM - Office of Compliance & Inspection

Date: November 16, 2000

CERTIFICATION

I hereby certify that on the 16th day of November, 2000, a copy of the within Notice of Violation was forwarded via Certified Mail, return receipt requested, to: Charles H. O'Donnell, III, Registered Agent for C. & J. O'D., Inc., 1204 Brookhaven Lane, Woonsocket, RI 02895.



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
INTER-OFFICE MEMO

February 8, 2000

TO: Matthew Patterson
Office of Criminal Investigation
DEPT: Environmental Management

FROM: Mark M. Dennen
Office of Waste Management
DEPT: Environmental Management

M.D.

SUBJECT: Subpoena from US Attorney's Office for Cavedon Chemical

By request of you and Ted Gail at the US Attorney's Office I have attempted to find the documents described below in accordance with a Subpoena received by the Department from the US Attorney's Office.

On or about April 27 there was reportedly a fire at a company called Cavedon chemical on 81 Sunnyside Ave in Woosocket. At some later date, this company disposed of hazardous waste that had been stored at the site. Although they had a permit for their former location (RID054030780) they reportedly did not have a permit for the location where the fire was (and where the waste was being stored). I spoke to John Leo, who told me he thought it was disposed of by General Chemical. They reportedly disposed of the waste shortly after the fire.

I looked in our database under Cavendon Chemical (or any similar spellings) and under the ID number I got from RCRIS (RID054030780). I did not find anything. As the manual data entry has not yet occurred for these months I manually searched through all manifests from April, May and June of 1998. I did not find anything.

I contacted General Chemical, and they have no record of having disposed of waste from Cavendon Chemical. I also requested any information MA DEP might have from Beth McDonough, my Massachusetts counterpart.

I will keep you posted on my efforts, but as of now, it looks like we have no manifests for this shipment.

Cc: Leo Hellested, Chief, Office of Waste Management
John Leo, Office of Compliance and Inspection

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
INTER-OFFICE MEMO

March 9, 2000

TO: Matt Paterson
Office of Criminal Investigation
DEPT: Environmental Management

FROM: Mark M. Dennen
Office of Waste Management
DEPT: Environmental Management

SUBJECT: Cavedon Chemical Manifests

MD

Recently I received calls from you and Ted Gail of the Rhode Island Attorney Generals Office requesting manifests for Cavedon Chemical. Mr. Gail indicated the waste was generated in the spring of 1998. I searched all of our manifests for April, May and June of 1998 but was unable to locate any. I was also unable to locate any records under their ID number in RCRIS (RID045030788). However, upon speaking to John Leo, I was informed that the waste went out under a temporary ID number. Mr. Leo also said he thought it was transported by General Chemical and NERAK was the contractor involved.

I spoke to NERAK but they were unable or unwilling to provide me with manifest or shipping dates. I then spoke to Theresa Ryan and found they applied for a temporary ID number as shown on the attached form on 9/25/98. From there I requested my counterpart in Massachusetts search her records. She was able to locate records of 3 manifests for waste generated on 10/2/99. I then search our records for October, November and December of that year. I was able to find 2 of the 3 manifests (2 copies each). For the manifest I was unable to locate (AR951694) I called the company it was allegedly sent to (ENSCO Inc. in El Dorado Arkansas). The informed me that they received the waste (1 drum) on 10/27/98) and believe they sent the manifest to us on or about 10/29/98.

Soon our contractor will be entering these manifests into the database, so I will continue to search for this or any other manifests generated by the company.

I have attached the original manifests for you to forward Mr. Gail. As they are originals, I entrust that Mr. Gail will return them to me when he is through with them.

Please call me if I may be of any other assistance.

cc: Leo Hellested, Chief, Office of Waste Management

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

INTER - OFFICE MEMO

TO: Jeffrey Crawford, Principal Env. Scientist
Office of Waste Management

DEPT: Environmental Management April 20, 1999

FROM: James Ball, Principal Environmental Scientist *JB*
Office of Compliance and Inspection

DEPT: Environmental Management

SUBJECT: Former Location of Cavadon Chemical, 92 Sunnyside Ave., Woonsocket, RI

On April 26, 1998 the former Cavadon Chemical building burnt down and this Office supervised the proper disposal of the remaining chemicals. While completing this work several underground storage tanks were noticed on the property. West of the building is also a small wooden shack that appears to be an old fueling rack. The piping appears to be attached to several more tanks. John Leo mailed a letter on June 17, 1998 to the legal firm (Fontaine & Croll, LTD) representing Baker Commodities, the owner of the property. John indicated that the tanks had to be removed by December 1998 or they would be in violation of the federal regulations. In April of 1999 we noticed that the USTs remained at the site.

It is my interpretation that this site has progressed beyond the stage of "Emergency Response" and is now a remediation issue encompassing the removal and proper closure of the USTs. I recommend that this be assigned to the Office of Waste Management for further review. If you have any questions please contact me.

jb/CAV.mem

11/98 inspection by UCI

5/99 inspection by JWM

19 - PC to Woonsocket City Hall - lists owner as:
Try to send ATC there.

P.J.
UB O'Donnell & Sons, Inc.
P.O. Box 206
Woonsocket, RI

APPENDIX H

INFORMATION SOURCES

INFORMATION SOURCES

1. Persons/Offices Contacted Regarding the Site:

City of Woonsocket:

- Assessor's Office
- Building Department
- Fire Department
- Engineering Department
- City Clerk
- Woonsocket Harris Public Library

State of Rhode Island:

- Rhode Island GIS
- Rhode Island Department of Environmental Management

2. Reports, Plans and Other Documents Reviewed:

USGS:

- Georgiaville, 7.5 Minute Series Topographic Quadrangle, 1943, 1989.

FirstSearch Technology Corporation:

- FirstSearch Database Report, August 25, 2003.

Sanborn Fire Insurance Maps:

- dated 1911, 1950, 1955, 1963, 1965, 1967, 1970.

John P. Caito Corporation:

- Sunnyside Subdivision Preliminary Plan, June 2003.

Appendix E

October 2003 LFR Subsurface Report



November 13, 2003

081-12140-01

Mr. Richard Kirby
Mackta, Keefer, & Kirby
72 Pine Street
Providence, RI 02903

DRAFT

Subject: Letter of Findings - Subsurface Investigation
176 Sunnyside Avenue
Woonsocket, Rhode Island

Dear Mr. Kirby:

LFR Levine-Fricke (LFR Inc.) has prepared this summary of findings for the investigation conducted at above referenced property (the Site). As you are aware LFR has recently completed a Phase I Environmental Site Assessment (ESA) for the Site. The findings of the ESA indicated that historically a chemical company and possibly an oil company have occupied the Site. The operations conducted at these former businesses and other businesses in the vicinity of the Site may have adversely impacted the soil or groundwater quality of the Site. LFR understands that the intended future use of the property is a residential subdivision. At your request, LFR has performed a limited subsurface investigation to evaluate the possibility of environmental issues at the Site. LFR's scope of work and findings are presented below.

SCOPE OF SERVICES

The following scope of services was provided:

Preliminary Activities

Prior to the commencement of any subsurface activities LFR prepared a site specific health and safety plan for the project. Additionally, LFR contacted DigSafe to locate any underground utilities in the area.

Soil Borings/Monitoring Wells Installation

On October 24, 2003, LFR and New England Geotech Inc. conducted four borings on the Site. The borings were advanced using a Geo-probe direct push drill rig. Three of the borings MW-1, MW-2 and MW-3 were advanced to a depth of approximately twenty feet. The depth to the field observed water table was approximately 10 to 13 feet in these borings. During the installation of the fourth boring MW-4, refusal was encountered in four locations at a depth of

MR. RICHARD KIRBY
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2.5 feet before a successful boring was installed. Refusal was apparently due to buried concrete in the area. Boring MW-4 was advanced to a depth of 38 feet, the water table was encountered at approximately 29 feet. The locations of the borings are depicted on the Site Plan, Figure 1, included as Attachment 1; boring logs are included as Attachment 2.

Soil samples were collected continuously to the water table in all borings. The soil samples were logged for characterization purposes. In general the soils consisted of brown fine, medium and coarse sand. The soil samples were field screened for the presence of volatile organic compounds (VOCs) using an Hnu Model 101 photoionization detector (PID) calibrated to a 100 parts per million (ppm) isobutylene standard. No significant evidence of VOCs was detected during the field screening. One soil sample from the 0'- 4' depth interval was selected from each boring for laboratory analyses. All samples were analyzed at Con-test Laboratory in East Longmeadow Massachusetts (a Rhode Island State certified lab), for semivolatile organic compounds (SVOCs) by EPA Method 8270; VOCs by EPA Method 8260; and 13 Priority Pollutant Metals, by various approved methods. Additionally, two samples from borings MW-2 and MW-4 were analyzed for polychlorinated biphenyls (PCBs) by EPA Method 8080.

A monitoring well was constructed in each boring. All wells were constructed of PVC materials and consisted of a well screen extending from the bottom of the boring to approximately five feet above the water table and a riser pipe to the ground surface. Clean sand was placed in the annular space surrounding the well screen and a bentonite clay plug was installed above the sand to prevent surface water from entering the well. The wells were finished with a metal road box cover cemented in place.

Groundwater Sampling

The monitoring wells were sampled by LFR on October 27, 2003 using standard sampling protocols including gauging the depth to groundwater and removing three well volumes of water prior to sample collection. Groundwater samples were collected in pre-cleaned laboratory sample jars and delivered under chain of custody protocol to Con-test Laboratory for analyses. The groundwater samples were analyzed for VOCs by EPA Method 8260. The elevations of the monitoring wells were surveyed to calculate the relative water table elevations in the monitoring wells and the Site groundwater flow direction.

The wells were gauged a second time by LFR on November 12, 2003. All gauging and sampling data are shown on the sampling logs included in Attachment 3.

Soil Sampling Results

A summary of the soil laboratory results is presented below in Table 1. A complete copy of the laboratory data sheets is included as Attachment 4.

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Table 1. Soil Sampling Summary, 176 Sunnyside Avenue, Woonsocket, Rhode Island

| | RIDEM Direct Exposure Criteria | MW-1 (mg/kg) | MW-2 (mg/kg) | MW-3 (mg/kg) | MW-4 (mg/kg) |
|---|--------------------------------------|-----------------|-----------------|-----------------|-----------------|
| Heavy Metals Organic Compounds | NA | ND | ND | ND | ND |
| VOCs | 10 | NT | ND | NT | ND |
| Metals (mg/kg) | | | | | |
| Antimony | 10 | ND | ND | ND | ND |
| Arsenic | 1.7 | 3.59 | ND | ND | ND |
| Beryllium | 0.4 | 0.54 | 0.15 | 0.21 | 0.15 |
| Cadmium | 39 | 1.05 | 0.08 | 0.10 | 0.17 |
| Chromium | 1,400 | 19.2 | 3.42 | 14.4 | 5.56 |
| Copper | 3,100 | 14.6 | 4.39 | 3.93 | 7.22 |
| Lead | 150 | 234 | ND | 12.0 | 66.4 |
| Mercury | 23 | 0.10 | ND | ND | 0.063 |
| Nickel | 1,000 | 7.64 | 3.90 | 2.94 | 3.30 |
| Selenium | 390 | ND | ND | ND | ND |
| Silver | 200 | ND | ND | ND | ND |
| Thallium | 5.5 | ND | ND | ND | ND |
| Zinc | 6,000 | 512 | 10.7 | 15.2 | 48.1 |
| Volatile Organic Compounds (mg/kg) | | | | | |
| Benzene | 2.5 | ND | ND | ND | 0.001 |
| Toluene | 190 | ND | ND | ND | 0.002 |

ND = Not Detected; NT = Not tested; NA = No applicable standard exists

The sampling results were compared to the Rhode Island Department of Environmental Management's (RIDEM's), Division of Site Remediation, Residential Direct Exposure Criteria (RDEC). No SVOCs or PCBs were detected in any of the samples. Low concentrations of two VOCs were detected in the sample from MW-4, however, they were both below the applicable RDEC.

Three metals, arsenic, lead and beryllium were detected at concentrations exceeding the RDEC. The RDEC for arsenic of 1.7 mg/kg was exceeded in the samples from MW-1 and MW-4; and the RDEC for beryllium and lead of 0.4 mg/kg and 150 mg/kg respectively, were exceeded in the sample from MW-1. The presence arsenic and beryllium however, may not be due to a release on the property. The concentrations detected are within the range of naturally occurring background concentrations. According to a study entitled, "Background Levels of Priority Pollutants Metals in Rhode Island Soils" by Timothy O'Connor of the RIDEM the statewide

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average concentrations for arsenic and beryllium are 1.52 mg/kg and 0.43 mg/kg respectively. The RIDEM is currently proposing a change in the arsenic criteria from 1.7 mg/kg to 7.0 mg/kg. The presence of lead is often associated with the presence of historic urban fill on the property. The exceedance of the RDEC by these three metals, however, does trigger a reporting obligation to the RIDEM by the property owner (responsible party) within fifteen days after discovery of the release.

Groundwater Flow and Sampling Results

Based on the results of the monitoring well survey and depth to groundwater gauging measurements, the calculated groundwater flow direction at the Site is to the north and northeast. Groundwater contours and flow direction are depicted on the Site Plan, Figure 1. The depth to water in well MW-4 was significantly greater (30.75 feet) than the depth in the other three wells (8.52 - 13.48 feet). Therefore, the calculated groundwater direction flow varied across the Site. However, in general, it appears that regional groundwater flow would be to the northeast toward the Blackstone River.

A summary of the groundwater sampling results is presented below in Table 2. A complete copy of the laboratory data sheets is included as Attachment 4.

Table 2. Groundwater Sampling Summary

| | RIDEM GB Groundwater Objectives | MW-1 | MW-2 | MW-3 | MW-4 |
|---|--|------|------|---------|------|
| Volatle Organic Compounds (VOCs) | | | | | |
| Benzene | 140 | ND | ND | 12 | ND |
| n-Butylbenzene | NA | ND | ND | 15.2 | ND |
| Ethylbenzene | 1,600 | ND | ND | 9,520 | ND |
| Isopropylbenzene | NA | ND | ND | 116 | ND |
| p-isopropyltoluene | NA | ND | ND | 25.2 | ND |
| naphthalene | NA | ND | ND | 48.6 | ND |
| n-propylbenzene | NA | ND | ND | 81.6 | ND |
| toluene | 1,700 | ND | ND | 1,120 | ND |
| 1,2,4 - trimethylbenzene | NA | ND | ND | 1,130 | ND |
| 1,3,5 - trimethylbenzene | NA | ND | ND | 418 | ND |
| m + p xylene | NA | ND | ND | 28,000 | ND |
| o - xylene | NA | ND | ND | 126,000 | ND |

ND = Not Detected; NA = No applicable standard exists

The groundwater results were compared to the RIDEM's Groundwater Objectives for GB groundwater. No VOCs were detected in three of the wells (MW-1, MW-2 and MW-4).

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however, several VOCs were detected in well MW-3. The VOCs detected in MW-3 were typical petroleum constituents. One of the VOCs, ethylbenzene was detected at a concentration greater than the GB Groundwater Objective and therefore triggers a reporting obligation to the RIDEM by the property owner (responsible party) within fifteen days after discovery of the release.

Based on the location of well MW-3, the calculated groundwater flow direction and the proximity of the well to the property line, it is possible that the source of the VOCs in the groundwater could be from off-Site however more investigation would be required to substantiate this assertion.

Conclusions

A RIDEM reportable condition exists for arsenic, lead and beryllium in the soils and ethylbenzene in the groundwater. A notification of release form should be filed with the RIDEM by the property owner.

The arsenic and beryllium in the soils may be due to naturally occurring background conditions, however, RIDEM will likely (at a minimum) require that a background study be conducted to substantiate such a claim. This would involve the collection of several more soil samples to demonstrate that there is no point of release and the concentrations of the metals are statistically consistent throughout the Site and the vicinity.

RIDEM will also require additional testing to determine the extent of the lead impacted soil on the property. Depending on the extent of the lead impacted soils, lead can be remediated either by removal of the impacted soil (if a small area is impacted) or installation of a clean fill cap to prevent contact with the impacted soil for a larger area.

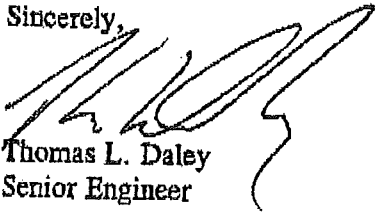
Concerning the groundwater in vicinity of MW-3, the RIDEM will require additional investigation and likely remediation unless it can be proved that the source of the contamination is from off-Site. Although municipal water is available in the area, the contamination could pose a risk of vapor intrusion, in which volatile vapors can enter foundations of buildings and cause health and/or explosion risks. The RIDEM GB groundwater objectives are intended to protect against this risk. Vapor intrusion issues can be remediated by installation of a sub-slab venting system below the foundation of the building.


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If you have questions regarding this information, please feel free to contact the undersigned at 401-738-3887.

Sincerely,


Thomas L. Daley
Senior Engineer


Donna H. Pallister P.E.
Senior Engineer

Attachments

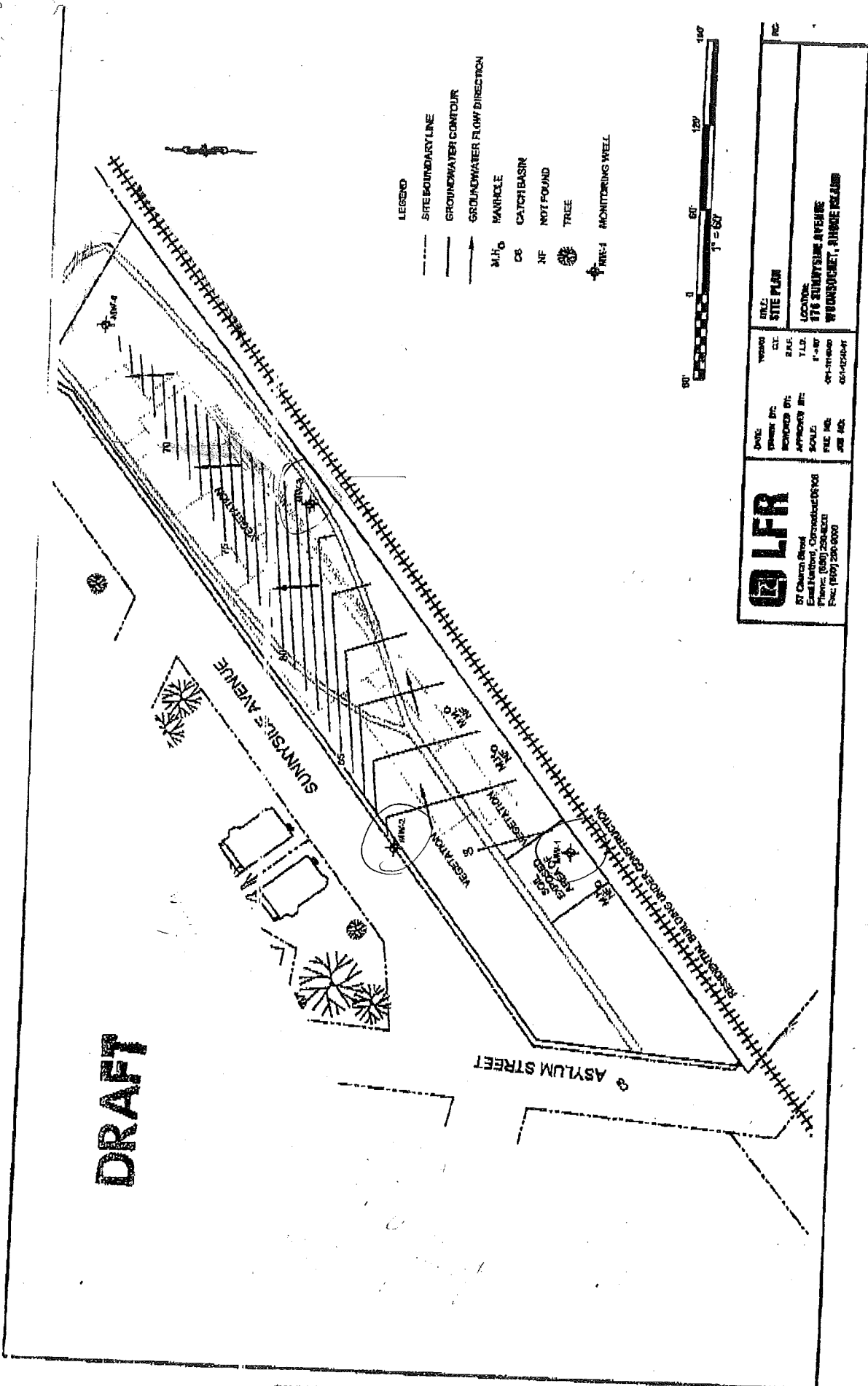
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Attachment 1

Site Plan

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| | | | | | |
|--|--|--|--|---|--|
| | | DATE: PROJECT BY: REVISION BY: APPROVED BY: SCALE: PLOT NO.: JOB NO.: | | DATE: BY: TITLE: PROJECT NO.: JOB NO.: | |
| PROJECT: 176 SUNNYSIDE AVENUE WOODBORO, MASSACHUSETTS | | DATE: PROJECT BY: REVISION BY: APPROVED BY: SCALE: PLOT NO.: JOB NO.: | | DATE: BY: TITLE: PROJECT NO.: JOB NO.: | |

DRAFT

Attachment 2

-> Boring Logs

DRAFT

BORING LOG



250 Centerville Road, Building E, Suite 12
Warwick, RI 02886
phone (401) 738-3887 fax (401) 732-1666

Site: Macktaf, Keefer, & Kirby
175 Sunnyside Avenue
Plat 3, Lot 7
Woonsocket, Rhode Island

Boring No. MW-1
Page: 1 of 1
File No: 081-12140-01

Date: 10-24-03
Boring Equipment Description: Geoprobe
Reported by: Beth Fitzpatrick
Boring Co: New England Geotech
Foreman: Bill
Others: None
Sampler Description: 4" poly sleeves
Field Testing Equipment: hNu 101 PID

| Depth | Sample Information | | | | Sample Description: | Equipment Installed |
|-------|--------------------|--------------------------|--------------|--------------------|--|---|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | | |
| 0-4' | | 85% | | 0.0 | 0 to 2': dark brown, medium to fine grained sand 2 to 4': medium to light brown, medium to fine grained sand | <p>Protective Casing PVC Riser Pipe 1' Bentonite Seal 2' 5' Filter Sand 1" PVC Well Screen 20' Total Depth (not to scale)</p> |
| 4-8' | | 80% | | 0.0 | No staining, no odor 4 to 5.5': medium brown, coarse grained sand 5.5 to 6': dark brown, medium grained sand 6 to 8': orange-brown, medium to fine grained sand | |
| 8-12' | | 100% | | 0.2 | No staining, no odor 8 to 8.5': orange-brown, medium to fine grained sand 8.5 to 10': medium brown, coarse grained sand. Wet at 10' | |
| | | | | | 10 to 12': greenish gray-brown silt No staining, no odor | |
| | | | | | Drill continuously to 20 feet. | |
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Remarks:

MW-1 (0-4') collected at 09:05 and submitted for laboratory analysis of VOCs, SVOCs, and 13 PP Metals.
MW-1 (4-8') collected at 09:10
MW-1 (8-10") collected at 09:15

DRAFT

BORING LOG



250 Centerville Road, Building E, Suite 12
Warwick, RI 02886
phone (401) 738-3887 fax (401) 732-1686

Site: Mactaz, Keefer, & Kirby
178 Sunnyside Avenue
Plat 3, Lot 7
Woonsocket, Rhode Island

Boring No. MW-2
Page: 1 of 1
File No: 081-12140-01

Date: 10-24-03 Boring Equipment Description: Geoprobe
Reported by: Beth Fitzpatrick
Boring Co: New England Geotech
Foreman: Bill
Others: None
Sampler Description: 4" poly sleeves
Field Testing Equipment: hNu 101 PID

| Depth | Sample Information | | | Sample | | Equipment Installed |
|--------|--------------------|--------------------------|--------------|--------------------|---|---|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | Description: | |
| 0-4' | | 95% | | 0.0 | 0 to 0.5': medium brown, medium grained sand 0.5 to 4': light brown, coarse grained sand | Protective Casing PVC Riser Pipe 1' Bentonite Seal 3' 7' Filter Sand 1" PVC Well Screen 22' Total Depth (not to scale) |
| 4-8' | | 95% | | 0.0 | No staining, no odor 4 to 5': medium brown, coarse grained sand 5 to 7': light brown, fine grained sand 7 to 8': medium orange-brown, coarse grained sand | |
| 8-12' | | | | 0.0 | No staining, no odor 8 to 9': dark gray-brown, medium to fine grained sand 9 to 11.75': medium orange-brown, medium to coarse grained sand 11.75 to 12': Moist medium brown silt | |
| 12-16' | | 80% | | 0.0 | No staining, no odor 12 to 16': Wet orange grayish-brown silt | |
| | | | | | No staining, no odor Drill continuously to 22' | |
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Remarks:
MW-2 (0-4') collected at 10:25 and submitted for laboratory analysis of PCBs, VOCs, SVOCs, and 13 PP Metals.
MW-2 (4-8') collected at 10:30
MW-2 (8-12') collected at 10:35

DRAFT

BORING LOG



250 Centerville Road, Building E, Suite 12
Warwick, RI 02886
phone (401) 738-3887 fax (401) 732-1888

Site: Macktaq, Keefer, & Kirby
176 Sunnyside Avenue
Plat 3, Lot 7
Woonsocket, Rhode Island

Boring No. MW-3
Page: 1 of 1
File No 081-12140-01

Date: 10-24-03
Reported by: Beth Fitzpatrick
Boring Co: New England Geotech
Foreman: Bill
Others: None

Boring Equipment Description: Geoprobe
Sampler Description: 4" poly sleeves
Field Testing Equipment: hNu 101 PID

| Depth | Sample Information | | | | Description: | Equipment Installed |
|--------|--------------------|--------------------------|--------------|--------------------|---|---|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | | |
| 0-4' | | 70% | | 0.0 | 0 to 0.5': top soil | <p>Protective Casing PVC Riser Pipe 1' Bentonite Seal 2' 8' Filter Sand 1" PVC Well Screen 23' Total Depth (not to scale)</p> |
| | | | | | 0.5 to 3': dark brown, medium grained sand | |
| | | | | | 3 to 3.5': light brown, coarse grained sand | |
| | | | | | 3.5 to 4': light gray-brown fine grained sand No staining, no odor | |
| 4-8' | | 70% | | 0.0 | 4 to 4.5': medium to dark brown, coarse to medium grained sand | |
| | | | | | 4.5 to 8': light brown, fine grained sand | |
| | | | | | No staining, no odor | |
| 8-12' | | 85% | | 0.0 | 8 to 8.5': light brown, fine grained sand | |
| | | | | | 8.5 to 8.75': dark brown, fine grained sand | |
| | | | | | 8.75 to 11.5': light brown, fine grained sand | |
| | | | | | 11.5 to 11.75': medium orange, fine grained sand | |
| | | | | | 11.75 to 12': light brown, fine grained sand. Moist at 12'. No staining, no odor | |
| 12-16' | | 85% | | 1.2 | 12 to 13': light gray-brown silt. Wet at 13' | |
| | | | | | 13-16': wet dark gray silt | |
| | | | | | No staining, swamp odor | |
| | | | | | Drill continuously to 23' | |
| | | | | | | |
| | | | | | | |

Remarks:
MW-3 (0-4') collected at 12:10 and submitted for laboratory analysis of VOCs, SVOCs, and 13 PP Metals.
MW-3 (4-8') collected at 12:15
MW-3 (8-12') collected at 12:40
MW-3 (8-12') collected at 12:45

Woonsocket Police Department stops by Site at 12:30

DRAFT

BORING LOG



LEVINE-FRICKB

250 Centerville Road, Building E, Suite 12
 Warwick, RI 02886
 phone (401) 738-3887 fax (401) 732-1888

Site: Mackjaz, Keefer, & Kirby

176 Sunnyside Avenue

Plat 3, Lot 7

Woonsocket, Rhode Island

Boring No.

MW-4

Page:

1 of 2

File No

081-12140-01

Date: 10-24-03

Boring Equipment Description: Geoprobe

Reported by: Beth Fitzpatrick

Boring Co: New England Geotech

Foreman: Bill

Others: None

Sampler Description: 4' poly sleeves

Field Testing Equipment: hNu 101 PID

| Depth | Sample Information | | | Description: | Equipment Installed | |
|--------|--------------------|--------------------------|--------------|--|--|--|
| | No. | Penetration/ Recovery | Blows/ 6" | | | Field Test Data |
| | | | | | Protective Casing PVC Riser Pipe 1' Bentonite Seal 2' 23' Filter Sand 1" PVC Well Screen 38" Total Depth (not to scale) | |
| | | | | Refusal at 4 locations at 2.5'. Concrete at 2.5' | | |
| 0-4' | | 45% | | 0.0 | | 0 to 0.5': Top soil with some brick. 0.5 to 3.5': medium orange-brown, fine grained sand 3.5 to 3.75': dark brown, fine grained sand 3.75 to 4': light brown, coarse sand No staining, no odor |
| 4-8' | | 66% | | 0.0 | | 4 to 7': medium brown, medium to coarse grained sand 7 to 8': light brown, fine grained sand |
| | | | | | | No staining, no odor |
| 8-12' | | 80% | | 0.0 | | 8 to 9': medium to dark brown, fine to medium grained sand 9 to 12': light brown, medium to fine grained sand |
| | | | | | | No staining, no odor |
| 12-16' | | 80% | | 0.0 | | 12 to 16': light to medium brown, fine sand |
| | | | | | | No staining, no odor |
| 16-20' | | 80% | | 0.0 | | 16 to 20': light brown, fine grained sand |
| | | | | | | No staining, no odor |
| 20-24' | | 80% | | 0.0 | | 20 to 24': light brown, fine grained sand |
| | | | | | | No staining, no odor |
| 24-28' | | 80% | | 0.0 | 24 to 28': light brown, fine grained sand | |
| | | | | | No staining, no odor | |

Remarks:

MW-4 (0-4') collected at 14:30 and submitted for laboratory analysis of PCBs, VOCs, ETVOCs, and 13 PP Metals.
 MW-4 (4-8') collected at 14:35

DRAFT

BORING LOG



250 Centerville Road, Building E, Suite 12
 Warwick, RI 02886
 phone (401) 738-3887 fax (401) 732-1686

Site: Macktaq, Keefer, & Kirby
 176 Sunnyside Avenue
 Plat 3, Lot 7
 Woonsocket, Rhode Island

Boring No. MW-4
 Page: 2 of 2
 File No 081-12140-01

Date: 10-24-03 Boring Equipment Description: Geoprobe
 Reported by: Beth Fitzpatrick
 Boring Co: New England Geotech
 Foreman: Bill
 Others: None
 Sampler Description: 4' poly sleeves
 Field Testing Equipment: hNu 101 PID

| Depth | Sample Information | | | | Sample Description: | Equipment Installed |
|--------|--------------------|--------------------------|--------------|--------------------|--|--|
| | No. | Penetration/ Recovery | Blows/ 8" | Field Test Data | | |
| 28-32' | | 85% | | 0.4 | 28 to 29': medium gray-brown, medium to firm grained sand. Wet at 29' 29 to 32': wet light to medium gray-brown silt No staining, no odor Drill continuously to 38' | Protective Casing PVC Riser Pipe 1' Bentonite Seal 2' 23' Filter Sand 1" PVC Well Screen 38' Total Depth (not to scale) |
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Remarks:
 Driller only has capability to drill to 38'.

Attachment 3

Sampling Logs



DRAFT

Well Number: MW-1

Site Name: Kirby - Woonsocket

GROUNDWATER SAMPLING LOG

Project Number: 081-12140-01

Site Address: 176 Sunnyside Avenue
 Woonsocket, RI

| | |
|---|--|
| Sampled By: Andrea Lang and Beth Fitzpatrick | Date: 10/27/03 |
| Weather: Drizzle with temperatures in the mid to high 50s | Purging Equipment: dedicated poly bailer |
| Sampling Equipment: dedicated poly bailer | Decontamination method: Alconox and DI water |
| Measuring Point (top of PVC/ top of casing): Top of casing | Depth to water: 10.29 (feet) Remeasured 11/10/03: 8.52 |
| Casing diameter: 1 (inches) | Flush mount or riser: Flush |
| Depth to Product: NA (feet) | Product thickness: NA (feet) |
| Depth to bottom: 18.52 (feet) | Length of Water Column (depth to bottom - depth to water): 8.23 (feet) |
| Well measuring point elevation: 100.00 (feet) | Water table elevation: 89.71 (feet) |
| Well volume: 1.34 (liters) | Three well volumes: (1.85 x length of water column for 2 inch well): (liters) 4.02 (liters) |

FIELD MEASUREMENT DATA

| Volume Removed (liters) | Temperature (°C) | Specific Conductance (mS/cm) | DO (mg/L) |
|-------------------------|------------------|------------------------------|-----------|
| 1.4 | 18.4 | 0.0 | 1.89 |
| 2.8 | 19.2 | 0.0 | 2.33 |
| 4.2 | 18.7 | 0.0 | 2.98 |
| | | | |

Total volume Removed: 4.2 L

OBSERVATIONS:

Color of groundwater: medium gray Odors: None Did well go dry: No

Notes: Sampled at 11:45 for VOCs



DRAFT

Well Number: MW-2

Site Name: Kirby - Woonsocket

Project Number: 081-12140-01

GROUNDWATER SAMPLING LOG

Site Address: 176 Sunnyside Avenue
 Woonsocket, RI

| | |
|---|--|
| Sampled By: Andrea Lang and Beth Fitzpatrick | Date: 10/27/03 |
| Weather: Drizzle with temperatures in the mid to high 50s | Purging Equipment: dedicated poly bailer |
| Sampling Equipment: dedicated poly bailer | Decontamination method: Alconox and DI water |
| Measuring Point (top of PVC/ top of casing): Top of casing | Depth to water: 13.31 (feet) Re-measured 11/10/03: 12.79 |
| Casing diameter: 1 (inches) | Flush mount or riser: Flush |
| Depth to Product: NA (feet) | Product thickness: NA (feet) |
| Depth to bottom: 20.25 (feet) | Length of Water Column (depth to bottom - depth to water): 6.94 (feet) |
| Well measuring point elevation: 103.35 (feet) | Water table elevation: 90.04 (feet) |
| Well volume: 1.13 (liters) | Three well volumes: (1.85 x length of water column for 2 inch well): 3.39 (liters) |

FIELD MEASUREMENT DATA

| Volume Removed (liters) | Temperature (°C) | Specific Conductance (mS/cm) | DO (mg/L) |
|-------------------------|------------------|------------------------------|-----------|
| 1.2 | 20.3 | 0.0 | 3.14 |
| 2.4 | 20.4 | 0.0 | 3.43 |
| 3.4 | 20.2 | 0.0 | 3.47 |
| | | | |

Total volume Removed: 3.4 L

OBSERVATIONS:

Color of groundwater: medium gray Odors: None Did well go dry: No

Notes: Sampled at 12:45 for VOCs



DRAFT

Well Number: MW-3

Site Name: Kirby - Woonsocket

Project Number: 081-12140-01

GROUNDWATER SAMPLING LOG

Site Address: 176 Sunnyside Avenue
 Woonsocket, RI

| | |
|---|--|
| Sampled By: Andrea Lang and Beth Fitzpatrick | Date: 10/27/03 |
| Weather: Drizzle with temperatures in the mid to high 50s | Purging Equipment: dedicated poly bailer |
| Sampling Equipment: dedicated poly bailer | Decontamination method: Alconox and DI water |
| Measuring Point (top of PVC/ top of casing): Top of casing | Depth to water: 15.26 (feet) Remeasured 11/10/03: 13.48 (feet) |
| Casing diameter: 1 (inches) | Flush mount or riser: Flush |
| Depth to Product: NA (feet) | Product thickness: NA (feet) |
| Depth to bottom: 22.82 (feet) | Length of Water Column (depth to bottom - depth to water): 7.56 (feet) |
| Well measuring point elevation: 97.85 (feet) | Water table elevation: 82.59 (feet) |
| Well volume: 1.23 (liters) | Three well volumes: (1.85 x length of water column for 2 inch well): (liters) 3.69 (liters) |

FIELD MEASUREMENT DATA

| Volume Removed (liters) | Temperature (°C) | Specific Conductance (µS/cm) | DO (mg/L) |
|-------------------------|------------------|------------------------------|-----------|
| 1.2 | 20.4 | 0.0 | 0.65 |
| 2.4 | 20.4 | 0.0 | 0.55 |
| 3.8 | 20.0 | 0.0 | 0.50 |
| | | | |

Total volume Removed: 3.8 L

OBSERVATIONS:

Color of groundwater: medium gray Odors: None Did well go dry: No

Notes: Sampled at 12:35 for VOCs



DRAFT

Well Number: MW-4

Site Name: Kirby - Woonsocket

GROUNDWATER SAMPLING LOG

Project Number: 081-12140-01

Site Address: 176 Sunnyside Avenue
 Woonsocket, RI

| | |
|---|--|
| Sampled By: Andrea Lang and Beth Fitzpatrick | Date: 10/27/03 |
| Weather: Drizzle with temperatures in the mid to high 50s | Purging Equipment: dedicated poly bailer |
| Sampling Equipment: dedicated poly bailer | Decontamination method: Alconox and DI water |
| Measuring Point (top of PVC/ top of casing): Top of casing | Depth to water: 31.69 (feet) Remeasured 11/10/03: 30.75 |
| Casing diameter: 1 (inches) | Flush mount or riser: Flush |
| Depth to Product: NA (feet) | Product thickness: NA (feet) |
| Depth to bottom: 34.33 (feet) | Length of Water Column (depth to bottom - depth to water): 2.64 (feet) |
| Well measuring point elevation: 96.54 (feet) | Water table elevation: 64.85 (feet) |
| Well volume: 0.43 (liters) | Three well volumes: (1.85 x length of water column for 2 inch well): (liters) 1.29 (liters) |

FIELD MEASUREMENT DATA

| Volume Removed (liters) | Temperature (°C) | Specific Conductance (mU/cm) | DO (µg/L) |
|-------------------------|------------------|------------------------------|-----------|
| 0.4 | 20.7 | 0.0 | 3.30 |
| 0.8 | 19.2 | 0.0 | 2.53 |
| 1.4 | 19.4 | 0.0 | 3.87 |
| | | | |

Total volume Removed: 1.4 L

OBSERVATIONS:

Color of groundwater: medium brown Odors: None Did well go dry: No

Notes: Sampled at 13:50 for VOCs

Appendix F

January 2004 LFR Subsurface Report

March 10, 2004

081-12140-02

Mr. Richard Kirby
Macktaaz, Keefer, & Kirby
72 Pine Street
Providence, RI 02903

Subject: Letter of Findings – Subsurface Investigation
176 Sunnyside Avenue
Woonsocket, Rhode Island

Dear Mr. Kirby:

LFR Levine·Fricke (LFR Inc.) has prepared this summary of findings for the investigation conducted at above referenced property (the Site). At your request, LFR has performed an additional subsurface investigation to further define the extents of the impacted soil and groundwater at the Site. The findings of this investigation are subject to the limitations stated in Attachment 1. LFR's scope of work and findings are presented below.

BACKGROUND

As you are aware LFR has recently completed a preliminary subsurface investigation for the Site. The findings of this investigation indicated that arsenic, lead and beryllium were detected in the soils at concentrations greater than the Rhode Island Department of Environmental Management's (RIDEM) Residential Direct Exposure Criteria (RDEC). In addition, ethylbenzene was detected in the groundwater in one location (MW-3) on the Site at a concentration greater than the RIDEM's GB groundwater objectives.

The purpose of this investigation was to determine the extent and possible source of the impacted soil and groundwater in the area surrounding MW-3; and to determine if the elevated metals concentrations detected on the property were the result of a release or if they were naturally occurring background concentrations.

SCOPE OF SERVICES

The following scope of services was provided:

Preliminary Activities

Prior to the commencement of any subsurface activities LFR prepared a site specific health and safety plan for the project. Additionally, LFR contacted DigSafe to locate any underground utilities in the area.

Soil Borings/Monitoring Wells Installation

On January 19, 2004, LFR and New England Geotech Inc. conducted thirteen shallow borings and three deeper borings on the Site. All of the borings were advanced using a Geo-probe direct push drill rig. The shallow borings B-1 through B-13 were advanced to a depth of approximately four feet and are located throughout the entire property. The deeper borings MW-5, MW-6 and MW-7 were advanced to a depth of approximately twenty feet and are located in the area surrounding existing well MW-3. The depth to the field observed water table was approximately 9 to 12 feet in these borings. The locations of the borings are depicted on the Site Plan, Figure 1, included as Attachment 2; boring logs are included as Attachment 3.

Soil samples were collected from all of the shallow borings and were collected continuously to the water table from all of the deeper borings. The soil samples were logged for characterization purposes. The soil samples were field screened for the presence of volatile organic compounds (VOCs) using a Mini Rae 2000 photoionization detector (PID) calibrated to a 100 parts per million (ppm) isobutylene standard. One soil sample from the 0'-4' depth interval was submitted from each boring for laboratory analyses, for the presence of lead, arsenic and beryllium. Additionally, samples from the 8'-12' depth interval from borings MW-5, MW-6 and MW-7 were analyzed for VOCs by Method 8260 and one sample from the 8'-12' depth interval from boring MW-7 was analyzed for lead, arsenic and beryllium. All samples were analyzed at Con-test Laboratory in East Longmeadow Massachusetts (a Rhode Island State certified lab).

In general, the shallow soil samples consisted of brown fine, medium and coarse sand. No significant evidence of VOCs was detected during the field screening of the shallow (0'-4' interval) samples. Evidence of VOC impacted soils was observed in two of the deeper borings. Elevated PID readings were observed in MW-5 and MW-6 in the samples collected from the 8'-12', and 12'-16' depth intervals. Additionally the soil samples collected from these depths were black in color and exhibited a noticeable fuel odor. The highest PID readings were found in boring MW-6 with volatile vapor concentrations of 1200 parts per million (ppm) and 3750 ppm in the 8'-12', and 12'-16' depth intervals respectively.

A monitoring well was constructed in each of the deeper borings. All wells were constructed of PVC materials and consisted of a well screen extending from the bottom of the boring to approximately five feet above the water table and a riser pipe to the ground surface. Clean sand was placed in the annular space surrounding the well screen and a bentonite clay plug was installed above the sand to prevent surface water from entering the well. The wells were finished with a metal road box cover cemented in place.

Groundwater Sampling

The monitoring wells were sampled by LFR on January 29, 2004 using standard sampling protocols including gauging the depth to groundwater and removing three well volumes of water prior to sample collection. Groundwater samples were collected in pre-cleaned laboratory sample jars and delivered under chain of custody protocol to Con-test Laboratory for analyses. The groundwater samples were analyzed for VOCs by EPA Method 8260. The elevations of the monitoring wells were surveyed to calculate the relative water table elevations in the monitoring wells and the Site groundwater flow direction. All gauging and sampling data are shown on the sampling logs included in Attachment 4.

Soil Sampling Results

A summary of the soil sampling results for lead arsenic and beryllium is presented in Table 1 below. Seventeen samples were analyzed from locations distributed throughout the property. A complete copy of the laboratory data sheets is included as Attachment 5.

Table 1. Metals Soil Sampling Summary

| Residential Direct Exposure Criteria (mg/kg) | Arsenic (mg/kg) | Beryllium (mg/kg) | Lead (mg/kg) |
|---|--------------------|----------------------|-----------------|
| | 7.0 | 0.40 | 150 |
| MW-5 (0-4') | 2.02 | 0.16 | 26.7 |
| MW-6 (0-4') | 2.39 | 0.18 | 22.2 |
| MW-7 (0-4') | 1.69 | 0.15 | 18.9 |
| MW-7 (8-12') | 1.76 | 0.27 | ND |
| B-1 (0-4') | 3.60 | 0.21 | 12.0 |
| B-2 (0-4') | 4.46 | 0.15 | 25.2 |
| B-3 (0-4') | 3.35 | 0.19 | 24.0 |
| B-4 (0-4') | ND | ND | ND |
| B-5 (0-4') | ND | 0.12 | ND |
| B-6 (0-4') | ND | 0.12 | 2.82 |
| B-7 (0-4') | 1.60 | 0.15 | ND |
| B-8 (0-4') | ND | 0.14 | ND |
| B-9 (0-4') | ND | ND | ND |
| B-10 (0-4') | 4.14 | 0.30 | 29.8 |
| B-11 (0-4') | 4.91 | 0.38 | 33.4 |
| B-12 (0-4') | 3.72 | 0.14 | 3.75 |
| B-13 (0-4') | 2.34 | 0.66 | 4.94 |

ND = Not Detected; NT = Not tested; NA = No applicable standard exists

The soil sampling results revealed that only one sample (B-13) exceeded the RIDEM's RDEC for beryllium. Although the beryllium is greater than the RDEC it is still within the normal range of naturally occurring background concentrations for beryllium in Rhode Island soils. The presence of beryllium at a concentration greater than the RDEC does however trigger a reporting obligation to the RIDEM by the property owner (responsible party) within fifteen days after discovery of the release. In general, the soil analyses results indicate that lead, arsenic and beryllium are not present at elevated concentrations throughout the Site.

Three soil samples which were collected from soil borings MW-5, 6, and 7 were analyzed for VOCs by EPA Method 8260. A summary of the laboratory results is presented in Table 2 below. A complete copy of the laboratory data sheets is included as Attachment 5.

Table 2. VOC Soil Sampling Summary

| | Residential Direct Exposure Criteria (mg/kg) | GB Leachability (mg/kg) | MW-5 (8-12) | MW-6 (8-12) | MW-7 (8-12) |
|--|--|-------------------------------|----------------|----------------|----------------|
| Volatile organic compounds (ppm/kg) | | | | | |
| Benzene | 2.5 | 4.3 | ND | 0.096 | ND |
| n-Butylbenzene | NA | NA | 1.02 | 1.75 | ND |
| sec-Butylbenzene | NA | NA | 0.690 | 2.44 | ND |
| tert-Butylbenzene | NA | NA | 0.090 | 0.182 | ND |
| 1,2-Dichlorobenzene | 510 | NA | ND | ND | 35.6 |
| 1,3-Dichlorobenzene | 430 | NA | 0.043 | ND | ND |
| 1,4-Dichlorobenzene | 27 | NA | 0.104 | ND | 6.33 |
| Ethylbenzene | 71 | 62 | 1.59 | 634 | 7.16 |
| Isopropylbenzene | 27 | NA | 0.263 | 25.8 | ND |
| p-Isopropyltoluene | NA | NA | 1.77 | 1.94 | 5.83 |
| Naphthalene | 54 | NA | 0.751 | 9.90 | ND |
| n-Propylbenzene | NA | NA | 0.640 | 7.33 | ND |
| Toluene | 190 | 54 | 0.096 | 56.1 | ND |
| 1,2,3 - Trichlorobenzene | NA | NA | ND | ND | 21.9 |
| 1,2,4 - Trichlorobenzene | 96 | NA | 0.080 | ND | 75.0 |
| 1,2,4 - Trimethylbenzene | NA | NA | 9.19 | 71.4 | 5.72 |
| 1,3,5 - Trimethylbenzene | NA | NA | 3.72 | 33.1 | ND |
| Total Xylene | 110 | NA | 5.75 | 2,359 | 24.6 |

ND = Not Detected; NT = Not tested; NA = No applicable standard exists

Two VOCs, ethylbenzene and total xylenes were detected in the sample from MW-6 at concentrations exceeding the RDEC. Additionally, the GB leachability criteria was also

exceeded in MW-6 for ethylbenzene. The presence of these constituents at these concentrations triggers a reporting obligation to the RIDEM by the property owner (responsible party) within fifteen days after discovery of the release.

Several additional VOCs were also detected, however these were at concentrations below the RDEC and GB leachability criteria. Most of the detected compounds are typical fuel constituents. Other compounds that were detected were chlorinated solvents which may have been historically used on the Site.

Groundwater Flow Direction

Based on the results of the monitoring well survey and depth to groundwater gauging measurements, the calculated groundwater flow direction at the Site is to the northeast. Groundwater contours and flow direction are depicted on the Site Plan, Figure 1. The depth to water in well MW-4 was significantly greater (29.27 feet) than the depth in the other three wells (9.49 to 13.41 feet). Therefore, the calculated groundwater gradient varied across the Site. However, in general, it appears that regional groundwater flow would be to the northeast toward the Blackstone River. This is consistent with the expected groundwater flow direction based on surface topography.

Groundwater Sampling Results

Three groundwater samples were collected and analyzed for the presence of VOCs by EPA Method 8260. A summary of the groundwater sampling results is presented below in Table 3. A complete copy of the laboratory data sheets is included as Attachment 5.

Table 3. Groundwater Sampling Summary

| | RIDEM GB Groundwater Objective | MW-5 | MW-6 | MW-7 |
|------------------------------------|--------------------------------------|-------|--------|------|
| Volatiles Organic Compounds (ug/l) | | | | |
| Benzene | 140 | 5.6 | 32.4 | ND |
| n-Butylbenzene | NA | 4.0 | 7.6 | ND |
| sec-Butylbenzene | NA | ND | 4.5 | ND |
| Chlorobenzene | 3,200 | 14.3 | ND | ND |
| 1,2-Dichlorobenzene | NA | 44.2 | ND | 1.5 |
| 1,3-Dichlorobenzene | NA | 128 | ND | ND |
| 1,4-Dichlorobenzene | NA | 313 | ND | ND |
| Ethylbenzene | 1,600 | 1,440 | 12,900 | ND |
| Isopropylbenzene | NA | 11.0 | 235 | ND |
| p-Isopropyltoluene | NA | 10.8 | 8.2 | ND |

| | RIDEM GB Groundwater Objective | MW-5 | MW-6 | MW-7 |
|--------------------------|--------------------------------------|-------|--------|------|
| Naphthalene | NA | 6.8 | 99.0 | ND |
| n-Propylbenzene | NA | 10.5 | 85.2 | 0.9 |
| Tetrachloroethylene | 150 | ND | ND | 0.8 |
| Toluene | 1,700 | 83.4 | 3,400 | ND |
| 1,2,3 - Trichlorobenzene | NA | ND | ND | 80.9 |
| 1,2,4 - Trichlorobenzene | NA | ND | ND | 50.2 |
| 1,2,4 - Trimethylbenzene | NA | 151 | 550 | ND |
| 1,3,5 - Trimethylbenzene | NA | 75.6 | 246 | ND |
| Total Xylene | NA | 3,120 | 57,100 | 1.1 |

ND = Not Detected; NA = No applicable standard exists

The groundwater results were compared to the RIDEM's Groundwater Objectives for GB groundwater. No VOCs were detected at concentrations exceeding the GB Groundwater Objective in wells MW-5 or MW-7. However, two VOCs, ethylbenzene and toluene, were detected in well MW-6 at concentrations greater than the GB Groundwater Objective. This condition triggers a reporting obligation to the RIDEM by the property owner (responsible party) within fifteen days after discovery of the release.

The other constituents detected in the samples were the same as found in the soil samples with the addition of tetrachloroethene (PCE) in MW-7. They are typical fuel constituents as well as chlorinated solvents which may have been historically used on the Site.

Summary of Findings

The following is a summary of the key findings of this investigation:

1. Evidence of VOC impacted soils was observed in two of the deeper borings. Elevated PID readings were observed in MW-5 and MW-6 in the samples collected from the 8'-12', and 12'-16' depth intervals. Additionally, the soil samples collected from these depths were black in color and exhibited a noticeable fuel odor.
2. In addition to the reportable conditions discovered in our initial investigation, the following reportable conditions were discovered during this investigation:
 - beryllium in soil sample B-13 (0'-4') in excess of the RDEC;
 - ethylbenzene and total xylenes in the soil sample MW-6 (8'-12') at concentrations exceeding the RDEC;

MR. RICHARD KIRBY

March 10, 2004

Page 7



- ethylbenzene in the soil sample MW-6 (8'-12') at a concentration in excess of the GB groundwater leachability criteria; and
 - ethylbenzene and toluene, detected in the groundwater sample from well MW-6 at concentrations greater than the GB Groundwater Objective.
3. The groundwater flow direction at the Site was determined to be in a northeasterly direction.
 4. Analysis of the soil samples for metals indicated that, in general, lead, arsenic and beryllium are not present at elevated concentrations throughout the Site.

Conclusions

Based on the above findings LFR has reached the following conclusions:

Soil and groundwater analyses results indicate that a release of petroleum and/or chlorinated solvents has likely occurred on the Site, with the most highly impacted soils and groundwater discovered in the vicinity of boring MW-5 and MW-6. RIDEM will require remediation of the soil and the groundwater on the Site prior to development. This will likely include excavation and off-Site disposal of the most highly impacted soils or an in-situ remedial treatment of the area of concern.

The beryllium detected in the Site soils is likely due to naturally background concentrations.

Recommendations

LFR recommends preparation of a notification of release to be submitted to RIDEM and subsequently, completion of a Site Investigation Report which will include the investigation findings and recommended remedial alternatives as required by the Remediation Regulations.

If you have questions regarding this information, please feel free to contact the undersigned at 401-738-3887.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tom Daley', written over a white background.

Thomas L. Daley
Senior Engineer

A handwritten signature in black ink, appearing to read 'Christina Taggart for', written over a white background.

Donna H. Pallister P.E.
Senior Engineer

Attachments

cc: Phil Godfrin

Attachment 1

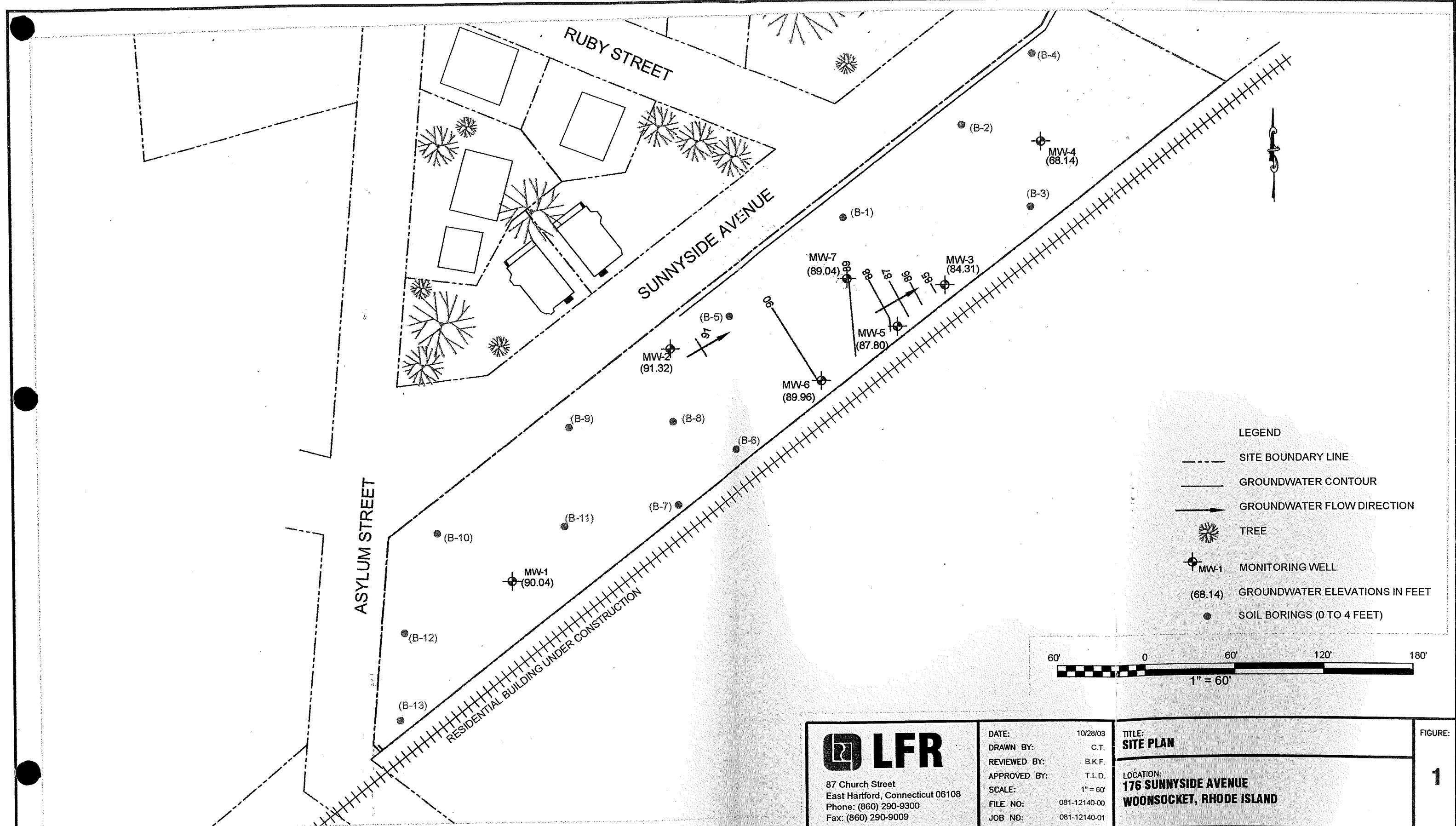
Limitations

LIMITATIONS AND SERVICE CONSTRAINTS

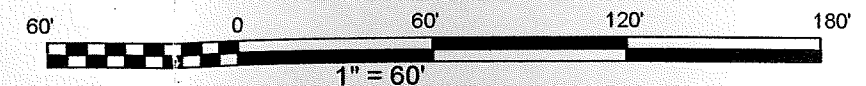
The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by LFR and the party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty, or guarantee, express or implied, is intended or given. To the extent that LFR relied upon any information prepared by other parties not under contract to LFR, LFR makes no representation as to the accuracy or completeness of such information. This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared for a particular purpose. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.


Results of any investigations or testing and any findings presented in this report apply solely to conditions existing at the time when LFR's investigative work was performed. It must be recognized that any such investigative or testing activities are inherently limited and do not represent a conclusive or complete characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected. LFR's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100% confidence in environmental investigation conclusions cannot reasonably be achieved.

LFR, therefore, does not provide any guarantees, certifications, or warranties regarding any conclusions regarding environmental contamination of any such property. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.



- LEGEND**
- SITE BOUNDARY LINE
 - GROUNDWATER CONTOUR
 - GROUNDWATER FLOW DIRECTION
 - ☼ TREE
 - ⊕ MW-1 MONITORING WELL
 - (68.14) GROUNDWATER ELEVATIONS IN FEET
 - SOIL BORINGS (0 TO 4 FEET)



| | | | |
|---|---|---|-------------------------|
|  <p>LFR 87 Church Street East Hartford, Connecticut 06108 Phone: (860) 290-9300 Fax: (860) 290-9009</p> | <p>DATE: 10/28/03</p> | <p>TITLE: SITE PLAN</p> | <p>FIGURE: 1</p> |
| | <p>DRAWN BY: C.T.</p> <p>REVIEWED BY: B.K.F.</p> <p>APPROVED BY: T.L.D.</p> <p>SCALE: 1" = 60'</p> <p>FILE NO: 081-12140-00</p> <p>JOB NO: 081-12140-01</p> | <p>LOCATION: 176 SUNNYSIDE AVENUE WOONSOCKET, RHODE ISLAND</p> | |

Attachment 3

Boring Logs

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Macktaaz, Keefer, and Kirby

Boring No. B-1

176 Sunnyside Ave.

Plat 3, Lot 7

Page: 1 of 1

Woonsocket, RI

File No 081-12140-02

Date: 1/19/04 Boring Equipment Description: Geoprobe
 Reported by: Seth O'Connor
 Boring Co: New England Geotech Sampler Description: 4' Poly sleeve
 Foreman: Bill Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm IsoButylene
 Others: _____

| Depth | Sample Information | | | | Sample Description: |
|-------|--------------------|--------------------------|--------------|--------------------|---|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | |
| 0-4' | | 48"/36" | | <0.5 | Sand: fine to medium sand, some fine to coarse gravel, brown, dry |
| | | | | | |
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| 5 | | | | | |
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| 30 | | | | | |
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| 35 | | | | | |
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| | | | | | |
| 40 | | | | | |

Remarks:
 Sample B-1 at 0-4 feet was taken at 1350

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Macktaz, Keefer, and Kirby
 176 Sunnyside Ave.
 Plat 3, Lot 7
 Woonsocket, RI

Boring No. B-2

Page: 1 of 1
 File No: 081-12140-02

Date: 1/19/04 Boring Equipment Description: Geoprobe
 Reported by: Seth O'Connor
 Boring Co: New England Geotech Sampler Description: 4' Poly sleeve
 Foreman: Bill Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm IsoButylene
 Others: _____

| Depth | Sample Information | | | | Sample |
|-------|--------------------|--------------------------|--------------|--------------------|---|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | Description: |
| 0-4' | | 48"/40" | | <0.5 | Sand: fine to medium sand, some fine to coarse gravel, brown, dry |
| 5 | | | | | |
| 10 | | | | | |
| 15 | | | | | |
| 20 | | | | | |
| 25 | | | | | |
| 30 | | | | | |
| 35 | | | | | |
| 40 | | | | | |

Remarks:
 Sample B-2 at 0-4 feet was taken at 1410

BORING LOG



194 FORBES ROAD
 BRAintree, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Macktaz, Keefer, and Kirby

176 Sunnyside Ave.

Plat 3, Lot 7

Woonsocket, RI

Boring No. B-3

Page: 1 of 1

File No. 081-12140-02

Date: 1/19/04

Boring Equipment Description: Geoprobe

Reported by: Seth O'Connor

Boring Co: New England Geotech

Foreman: Bill

Others:

Sampler Description: 4' Poly sleeve

Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm IsoButylene

| Depth | Sample Information | | | | Sample |
|-------|--------------------|--------------------------|--------------|--------------------|--|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | Description: |
| 0-4' | | 48'/45" | | <0.5 | Sand: fine to coarse sand, some fine to coarse gravel, trace silt, orange/brown, dry |
| 5 | | | | | |
| 10 | | | | | |
| 15 | | | | | |
| 20 | | | | | |
| 25 | | | | | |
| 30 | | | | | |
| 35 | | | | | |
| 40 | | | | | |

Remarks:

Sample B-3 at 0-4 feet was taken at 1420

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Mackta, Keefer, and Kirby
176 Sunnyside Ave.
Plat 3, Lot 7
Woonsocket, RI

Boring No. B-4
 Page: 1 of 1
 File No. 081-12140-02

Date: 1/19/04 Boring Equipment Description: Geoprobe
 Reported by: Seth O'Connor
 Boring Co: New England Geotech Sampler Description: 4' Poly sleeve
 Foreman: Bill Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm IsoButylene
 Others: _____

| Depth | Sample Information | | | | Sample Description: |
|-------|--------------------|--------------------------|--------------|--------------------|---|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | |
| 0-4' | | 48/40" | | <0.5 | Sand: fine to coarse sand, some fine to coarse gravel, brown, dry |
| | | | | | |
| | | | | | |
| 5 | | | | | |
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| 10 | | | | | |
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| 30 | | | | | |
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| 35 | | | | | |
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| | | | | | |
| 40 | | | | | |

Remarks:
 Sample B-4 at 0-4 feet was taken at 1435

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Macktaz, Keefer, and Kirby
 176 Sunnyside Ave.
 Plat 3, Lot 7
 Woonsocket, RI

Boring No. B-5
 Page: 1 of 1
 File No 081-12140-02

Date: 1/19/04 Boring Equipment Description: Geoprobe
 Reported by: Seth O'Connor
 Boring Co: New England Geotech Sampler Description: 4' Poly sleeve
 Foreman: Bill Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm IsoButylene
 Others: _____

| Depth | Sample Information | | | | Sample |
|-------|--------------------|--------------------------|--------------|--------------------|---|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | Description: |
| 0-4' | | 48/44" | | <0.5 | Sand: fine to coarse sand, some fine to coarse gravel, trace silt, brown, dry |
| 5 | | | | | |
| 10 | | | | | |
| 15 | | | | | |
| 20 | | | | | |
| 25 | | | | | |
| 30 | | | | | |
| 35 | | | | | |
| 40 | | | | | |

Remarks:
 Sample B-5 at 0-4' was taken at 1455

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Macktaz, Keefer, and Kirby
 176 Sunnyside Ave.
 Plat 3, Lot 7
 Woonsocket, RI

Boring No. B-6
 Page: 1 of 1
 File No. 081-12140-02

Date: 1/19/04 Boring Equipment Description: Geoprobe
 Reported by: Seth O'Connor
 Boring Co: New England Geotech Sampler Description: 4' Poly sleeve
 Foreman: Bill Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm IsoButylene
 Others: _____

| Depth | Sample Information | | | | Sample |
|-------|--------------------|--------------------------|--------------|--------------------|--|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | Description: |
| 0-4' | | 48"/42" | | <0.5 | Sand: fine to medium sand, trace fine to coarse gravel, light brown, dry |
| | | | | | |
| 5 | | | | | |
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| 10 | | | | | |
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| 15 | | | | | |
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| 20 | | | | | |
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| 25 | | | | | |
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| 30 | | | | | |
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| 35 | | | | | |
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| 40 | | | | | |

Remarks:
 Sample B-6 at 0-4 feet was taken at 1500

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Macktaz, Keefer, and Kirby

176 Sunnyside Ave.

Plat 3, Lot 7

Woonsocket, RI

Boring No. B-7

Page: 1 of 1

File No 081-12140-02

Date: 1/19/04

Boring Equipment Description: Geoprobe

Reported by: Seth O'Connor

Boring Co: New England Geotech

Foreman: Bill

Others:

Sampler Description: 4' Poly sleeve

Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm IsoButylene

| Depth | Sample Information | | | | Sample |
|-------|--------------------|--------------------------|--------------|--------------------|--|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | Description: |
| 0-4' | | 48"/39" | | <0.5 | Sand: fine to medium sand, trace fine to coarse gravel, brown, dry |
| 5 | | | | | |
| 10 | | | | | |
| 15 | | | | | |
| 20 | | | | | |
| 25 | | | | | |
| 30 | | | | | |
| 35 | | | | | |
| 40 | | | | | |

Remarks:

Sample B-7 at 0-4 feet was taken at 1515

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Mackta, Keefer, and Kirby
176 Sunnyside Ave.
Plat 3, Lot 7
Woonsocket, RI

Boring No. B-8
 Page: 1 of 1
 File No 081-12140-02

Date: 1/19/04 Boring Equipment Description: Geoprobe
 Reported by: Seth O'Connor
 Boring Co: New England Geotech Sampler Description: 4' Poly sleeve
 Foreman: Bill Field Testing Equipment: Mini Rae 2000
 Others: _____

| Depth | Sample Information | | | | Description: | Sample |
|-------|--------------------|--------------------------|--------------|--------------------|---|--------|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | | |
| 0-4' | | 48"/34" | | <0.5 | Sand: fine to medium sand, trace fine to coarse gravel and silt, brown, dry | |
| | | | | | | |
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| 5 | | | | | | |
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| 10 | | | | | | |
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| 15 | | | | | | |
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| 20 | | | | | | |
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| 30 | | | | | | |
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| 35 | | | | | | |
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| 40 | | | | | | |

Remarks:
 Sample B-8 at 0-4 feet was taken at 1530

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Macktaz, Keefer, and Kirby
 176 Sunnyside Ave.
 Plat 3, Lot 7
 Woonsocket, RI

Boring No. B-9
 Page: 1 of 1
 File No 081-12140-02

Date: 1/19/04 Boring Equipment Description: Geoprobe
 Reported by: Seth O'Connor
 Boring Co: New England Geotech Sampler Description: 4' Poly sleeve
 Foreman: Bill Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm IsoButylene
 Others: _____

| Depth | Sample Information | | | | Sample |
|-------|--------------------|--------------------------|--------------|--------------------|---|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | Description: |
| 0-4' | | 48"/39" | | <0.5 | Sand: fine to medium sand, trace fine to coarse gravel, brown dry |
| | | | | | |
| 5 | | | | | |
| | | | | | |
| 10 | | | | | |
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| 15 | | | | | |
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| 20 | | | | | |
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| 25 | | | | | |
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| 30 | | | | | |
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| 35 | | | | | |
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| 40 | | | | | |

Remarks:
 Sample B-9 at 0-4 feet was taken at 1545

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Macktaz, Keefer, and Kirby
 176 Sunnyside Ave.
 Plat 3, Lot 7
 Woonsocket, RI

Boring No. B-10

Page: 1 of 1
 File No 081-12140-02

Date: 1/19/04 Boring Equipment Description: Geoprobe
 Reported by: Seth O'Connor
 Boring Co: New England Geotech Sampler Description: 4' Poly sleeve
 Foreman: Bill Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm IsoButylene
 Others: _____

| Depth | Sample Information | | | Sample |
|-------|--------------------|--------------------------|--------------|---|
| | No. | Penetration/ Recovery | Blows/ 6" | Description: |
| 0-4' | | 48"/37" | <0.5 | Sand: fine to coarse sand, trace fine to coarse gravel and black, dry |
| 5 | | | | |
| 10 | | | | |
| 15 | | | | |
| 20 | | | | |
| 25 | | | | |
| 30 | | | | |
| 35 | | | | |
| 40 | | | | |

Remarks:
 Sample B-10 at 0-4 feet was taken at 1600

BORING LOG



194 FORBES ROAD
BRAINTREE, MASSACHUSETTS 02184
phone (781) 356-7300 fax (781) 356-2211

Site: Macktaz, Keefer, and Kirby
176 Sunnyside Ave.
Plat 3, Lot 7
Woonsocket, RI

Boring No. B-11
Page: 1 of 1
File No 081-12140-02

Date: 1/19/04 Boring Equipment Description: Geoprobe
Reported by: Seth O'Connor
Boring Co: New England Geotech Sampler Description: 4' Poly sleeve
Foreman: Bill Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm IsoButylene
Others:

| Depth | Sample Information | | | | Sample |
|-------|--------------------|--------------------------|--------------|--------------------|---|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | Description: |
| 0-4' | | 48/41" | | <0.5 | Sand: fine to coarse sand, trace fine to coarse gravel and silt, black, dry |
| | | | | | |
| | | | | | |
| 5 | | | | | |
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| 35 | | | | | |
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| 40 | | | | | |

Remarks:
Sample B-11 at 0-4 feet was taken at 1610

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Mackta, Keefer, and Kirby
176 Sunnyside Ave.
Plat 3, Lot 7
Woonsocket, RI

Boring No. B-12
 Page: 1 of 1
 File No 081-12140-02

Date: 1/19/04 Boring Equipment Description: Geoprobe
 Reported by: Seth O'Connor
 Boring Co: New England Geotech Sampler Description: 4' Poly sleeve
 Foreman: Bill Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm IsoButylene
 Others: _____

| Depth | Sample Information | | | | Sample |
|-------|--------------------|--------------------------|--------------|--------------------|---|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | Description: |
| 0-4' | | 48"/40" | | <0.5 | Sand: fine to medium sand, trace fine to coarse gravel and silt, brown, dry |
| 5 | | | | | |
| 10 | | | | | |
| 15 | | | | | |
| 20 | | | | | |
| 25 | | | | | |
| 30 | | | | | |
| 35 | | | | | |
| 40 | | | | | |

Remarks:
 Sample B-12 at 0-4 feet was taken at 1620

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Macktaz, Keefer, and Kirby
 176 Sunnyside Ave.
 Plat 3, Lot 7
 Woonsocket, RI

Boring No. B-13
 Page: 1 of 1
 File No 081-12140-02

Date: 1/19/04 Boring Equipment Description: Geoprobe
 Reported by: Seth O'Connor
 Boring Co: New England Geotech Sampler Description: 4' Poly sleeve
 Foreman: Bill Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm IsoButylene
 Others:

| Depth | Sample Information | | | | Sample |
|-------|--------------------|--------------------------|--------------|--------------------|---|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | Description: |
| 0-4' | | 48"/44 " | | <0.5 | Sand: fine to medium sand, trace fine to coarse gravel and silt, dark brown dry |
| 5 | | | | | |
| 10 | | | | | |
| 15 | | | | | |
| 20 | | | | | |
| 25 | | | | | |
| 30 | | | | | |
| 35 | | | | | |
| 40 | | | | | |

Remarks:
 Sample B-13 at 0-4 feet was taken at 1645

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Macktaz, Keefer, and Kirby

T76 Sunnyside Ave.

Plat 3, Lot 7

Woonsocket, RI

Boring No. MW-5

Page: 1 of 1

File No 081-12140-02

Date: 1/19/04

Boring Equipment Description: Geoprobe

Reported by: Tom Daley

Boring Co: New England Geotech

Foreman: Bill

Others:

Sampler Description: 4' Poly sleeve

Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm Isobutylene

| Depth | Sample Information | | | | Sample Description: | Equipment Installed |
|-------|--------------------|--------------------------|--------------|--------------------|---|---------------------|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | | |
| 0-4' | | 48"/36" | | 0 | Brown and black sandy fill | |
| 4-8' | | 48"/42" | | 0 | Light brown fine sand, little silt | |
| 8-12' | | 48"/42" | | 388 | 18" gray fine sand; little silt; 24" black fine sand fuel odor | |
| 6' | | 48"/42" | | 680 | black fine sand; little silt; fuel odor; wet | |
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Remarks:

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Mackta, Keefer, and Kirby
176 Sunnyside Ave.
Plat 3, Lot 7
Woonsocket, RI

Boring No. MW-6
 Page: 1 of 1
 File No 081-12140-02

Date: 1/19/04 Boring Equipment Description: Geoprobe
 Reported by: Tom Daley
 Boring Co: New England Geotech Sampler Description: 4' Poly sleeve
 Foreman: Bill Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm Isobutylene
 Others: _____

| Depth | Sample Information | | | Sample | Equipment Installed | |
|-------|--------------------|--------------------------|--------------|--------------------|---|--------------|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | | Description: |
| 0-4' | | 48"/48" | | 0 | Brown and black sandy fill | |
| 4-8' | | 48"/42" | | 0 | Light brown fine sand, little silt | |
| 8-12' | | 48"/36" | | 1200 | black fine sand, fuel odor | |
| 3' | | 48"/42" | | 3750 | black fine sand; little silt; strong fuel odor; wet | |
| | | | | | | |
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| | | | | | | |

Remarks: _____

BORING LOG



194 FORBES ROAD
 BRAINTREE, MASSACHUSETTS 02184
 phone (781) 356-7300 fax (781) 356-2211

Site: Macktaz, Keefer, and Kirby
 176 Sunnyside Ave.
 Plat 3, Lot 7
 Woonsocket, RI

Boring No. MW-7
 Page: 1 of 1
 File No 081-12140-02

Date: 1/19/04 Boring Equipment Description: Geoprobe
 Reported by: Seth O'Connor
 Boring Co: New England Geotech Sampler Description: 4' Poly sleeve
 Foreman: Bill Field Testing Equipment: Mini Rae 2000 calibrated to 100 ppm Isobutylene
 Others:

| Depth | Sample Information | | | | Sample | Equipment Installed |
|-------|--------------------|--------------------------|--------------|--------------------|--|--|
| | No. | Penetration/ Recovery | Blows/ 6" | Field Test Data | Description: | |
| 0-4' | | 48"/48" | | 2.6 | Sand: fine to coarse sand, trace fine to coarse gravel and silt, brown, dry | Protective Casing Road Box 0'-4' PVC Riser Pipe 2'-3' Bentonite Seal 3'-19' Filter Sand 4'-19' 1" PVC Well Screen 19 feet Total Depth (not to scale) |
| 4-8' | | 48"/48" | | 6.1 | 14" Sand: fine to coarse sand, trace fine to coarse gravel and silt, brown, dry 24" Sand: fine to medium sand, light brown, dry | |
| 8-12' | | 48"/35" | | 8.4 | 13" Sand: fine to medium sand, light brown, dry 22" Sand: fine to medium sand, trace silt, black, moist | |
| 5' | | 48"/27" | | <0.5 | 14" Sand: fine to medium sand, trace silt, light brown, moist 13" Sand: fine to medium sand, trace silt, light brown, wet | |
| | | | | | Drilled to 24 feet | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |

Remarks:
 Sample MW-7 @8-12' taken at 1230
 W' " MW-7 was set at 19 feet

Attachment 4

Sampling Logs



250 Centerville Rd, Suite 12
Warwick., RI 02886
(401) 738-3887 fax (401)732-1686

MONITORING WELL GAUGING/SAMPLING DATA SHEET

Project: Macktaz, Keefer, and Kirby
Location: 176 Sunnyside Ave. Woonsocket, Rhode Island
Date: 29-Jan-04
By: Seth O'Connor

| WELL # | DIA. (IN.) | Reading | | | TOTAL WELL DEPTH (FEET) | TOTAL WATER DEPTH (FEET) | THREE WELL VOLUMES (Gallons) | SAMPLE DESCRIPTION: |
|--------|---------------|-----------------------------|-------------------------------|--------------------------------|----------------------------------|-----------------------------------|---------------------------------------|----------------------------|
| | | Depth to water (FEET) | Depth to Product (FEET) | Product thickness (FEET) | | | | |
| MW-1 | 1 | 9.96 | -- | -- | -- | -- | -- | |
| MW-2 | 1 | 11.95 | -- | -- | -- | -- | -- | |
| MW-3 | 1 | 13.41 | -- | -- | -- | -- | -- | |
| MW-4 | 1 | 29.27 | -- | -- | -- | -- | -- | |
| MW-5 | 1 | 11.22 | -- | -- | 15.44 | 4.22 | 0.52 | silty, heavy odor |
| MW-6 | 1 | 9.49 | -- | -- | 15.85 | 6.36 | 0.79 | slightly silty, heavy odor |
| MW-7 | 1 | 11.96 | -- | -- | 17.41 | 5.35 | 0.66 | clear, slight odor |
| | | | | | | | | |
| | | | | | | | | |

Notes: Approximately 4.0 gallons was purged from MW-5
Approximately 4.5 gallons was purged from MW-6
Approximately 5.0 gallons was purged from MW-7

Three well volumes (liters) = 1.85 X Water Depth (ft) for 2" dia. well
7.39 X Water Depth (ft) for 4" dia. well

Attachment 5

Lab Data Sheets



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 2/18/2004

LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886
ATTN: TOM DALEY

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-76524

JOB NUMBER: -

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 176 SUNNYSIDE AVE.

| FIELD SAMPLE # | LAB ID | MATRIX | SAMPLE DESCRIPTION | TEST |
|----------------|----------|--------|--------------------|------------------|
| B-01 @ 0-4 | 04B01879 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-01 @ 0-4 | 04B01879 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-01 @ 0-4 | 04B01879 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-01 @ 0-4 | 04B01879 | SOIL | NOT SPECIFIED | solids (percent) |
| B-02 @ 0-4 | 04B01880 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-02 @ 0-4 | 04B01880 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-02 @ 0-4 | 04B01880 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-02 @ 0-4 | 04B01880 | SOIL | NOT SPECIFIED | solids (percent) |
| B-03 @ 0-4 | 04B01881 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-03 @ 0-4 | 04B01881 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-03 @ 0-4 | 04B01881 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-03 @ 0-4 | 04B01881 | SOIL | NOT SPECIFIED | solids (percent) |
| B-04 @ 0-4 | 04B01882 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-04 @ 0-4 | 04B01882 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-04 @ 0-4 | 04B01882 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-04 @ 0-4 | 04B01882 | SOIL | NOT SPECIFIED | solids (percent) |
| B-05 @ 0-4 | 04B01883 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-05 @ 0-4 | 04B01883 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-05 @ 0-4 | 04B01883 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-05 @ 0-4 | 04B01883 | SOIL | NOT SPECIFIED | solids (percent) |
| B-06 @ 0-4 | 04B01884 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-06 @ 0-4 | 04B01884 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-06 @ 0-4 | 04B01884 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-06 @ 0-4 | 04B01884 | SOIL | NOT SPECIFIED | solids (percent) |
| B-07 @ 0-4 | 04B01885 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-07 @ 0-4 | 04B01885 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-07 @ 0-4 | 04B01885 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-07 @ 0-4 | 04B01885 | SOIL | NOT SPECIFIED | solids (percent) |
| B-08 @ 0-4 | 04B01886 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-08 @ 0-4 | 04B01886 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-08 @ 0-4 | 04B01886 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-08 @ 0-4 | 04B01886 | SOIL | NOT SPECIFIED | solids (percent) |
| B-09 @ 0-4 | 04B01887 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-09 @ 0-4 | 04B01887 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-09 @ 0-4 | 04B01887 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-09 @ 0-4 | 04B01887 | SOIL | NOT SPECIFIED | solids (percent) |
| B-10 @ 0-4 | 04B01888 | SOIL | NOT SPECIFIED | as (mg/kg dw) |



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 2/18/2004

LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886
ATTN: TOM DALEY

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-76524

JOB NUMBER: -

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

| | | | | |
|------------|----------|------|---------------|------------------|
| B-10 @ 0-4 | 04B01888 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-10 @ 0-4 | 04B01888 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-10 @ 0-4 | 04B01888 | SOIL | NOT SPECIFIED | solids (percent) |
| B-11 @ 0-4 | 04B01889 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-11 @ 0-4 | 04B01889 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-11 @ 0-4 | 04B01889 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-11 @ 0-4 | 04B01889 | SOIL | NOT SPECIFIED | solids (percent) |
| B-12 @ 0-4 | 04B01890 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-12 @ 0-4 | 04B01890 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-12 @ 0-4 | 04B01890 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-12 @ 0-4 | 04B01890 | SOIL | NOT SPECIFIED | solids (percent) |
| B-13 @ 0-4 | 04B01891 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| B-13 @ 0-4 | 04B01891 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| B-13 @ 0-4 | 04B01891 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| B-13 @ 0-4 | 04B01891 | SOIL | NOT SPECIFIED | solids (percent) |
| MW-5 0-4' | 04B01894 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| MW-5 0-4' | 04B01894 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| MW-5 0-4' | 04B01894 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| MW-5 0-4' | 04B01894 | SOIL | NOT SPECIFIED | solids (percent) |
| MW-5 8-12' | 04B01892 | SOIL | NOT SPECIFIED | 8260 dry weight |
| MW-5 8-12' | 04B01892 | SOIL | NOT SPECIFIED | solids (percent) |
| MW-6 0-4' | 04B01895 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| MW-6 0-4' | 04B01895 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| MW-6 0-4' | 04B01895 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| MW-6 0-4' | 04B01895 | SOIL | NOT SPECIFIED | solids (percent) |
| MW-6 8-12' | 04B01893 | SOIL | NOT SPECIFIED | 8260 dry weight |
| MW-6 8-12' | 04B01893 | SOIL | NOT SPECIFIED | solids (percent) |
| MW-7 0-4' | 04B01896 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| MW-7 0-4' | 04B01896 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| MW-7 0-4' | 04B01896 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| MW-7 0-4' | 04B01896 | SOIL | NOT SPECIFIED | solids (percent) |
| MW-7 8-12' | 04B01878 | SOIL | NOT SPECIFIED | 8260 dry weight |
| MW-7 8-12' | 04B01878 | SOIL | NOT SPECIFIED | as (mg/kg dw) |
| MW-7 8-12' | 04B01878 | SOIL | NOT SPECIFIED | be (mg/kg)dw icp |
| MW-7 8-12' | 04B01878 | SOIL | NOT SPECIFIED | pb (mg/kg)dw icp |
| MW-7 8-12' | 04B01878 | SOIL | NOT SPECIFIED | solids (percent) |



39 Spruce Street * 2nd Floor * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

REPORT DATE 2/18/2004

LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886
ATTN: TOM DALEY

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-76524

JOB NUMBER: -

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

Comments :

LIMS BATCH NO. : LIMS-76524

REVISED REPORT

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

| | | |
|---------------------------|---------------------------------|---------------------------------|
| AIHA 100033 | AIHA ELLAP (LEAD) 100033 | FLORIDA NELAP E87889 |
| MASSACHUSETTS MA0100 | NEW HAMPSHIRE NELAP 2516 | NEW JERSEY NELAP NJ MA007 (AIR) |
| CONNECTICUT PH-0567 | VERMONT DOH (LEAD) No. LL015036 | ARIZONA AZ0648 |
| NEW YORK ELAP/NELAP 10899 | RHODE ISLAND (LIC. No. 112) | ARIZONA AZ0654 (AIR) |

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 2/18/04

Tod Kopycinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

SIGNATURE

DATE

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

2/18/2004
Page 1 of 26

Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: B-01 @ 0-4

Sample ID : 04B01879
Sampled : 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 3.60 | 1.39 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.21 | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 12.0 | 2.78 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 89.9 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

2/18/2004
 Page 2 of 26

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

Purchase Order No.:

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: B-02 @ 0-4

Sample ID: 04B01880
 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 4.46 | 1.36 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.15 | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 25.2 | 2.72 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 91.8 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

Purchase Order No.:

2/18/2004
Page 3 of 26

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: B-03 @ 0-4

Sample ID: 04B01881 Sampled: 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 3.35 | 1.30 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.19 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 24.0 | 2.61 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 96.0 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

2/18/2004
 Page 4 of 26

Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: B-04 @ 0-4

Sample ID : 04B01882 Sampled : 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | ND | 1.32 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | ND | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | ND | 2.64 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 94.7 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

2/18/2004
Page 5 of 26

Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: B-05 @ 0-4

Sample ID : 04B01883 Sampled : 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | ND | 1.28 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.12 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | ND | 2.57 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 97.5 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

2/18/2004
 Page 6 of 26

Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: B-06 @ 0-4

Sample ID: 04B01884
 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | ND | 1.30 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.12 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 2.82 | 2.60 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 96.2 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

2/18/2004
 Page 7 of 26

Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: B-07 @ 0-4

Sample ID: 04B01885 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 1.60 | 1.30 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.15 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | ND | 2.61 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 95.9 | | SM 2540G | 01/28/04 | KFD |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

2/18/2004
Page 8 of 26

Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: B-08 @ 0-4

Sample ID: 04B01886 Sampled: 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | ND | 1.29 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.14 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | ND | 2.57 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 97.2 | | SM 2540G | 01/28/04 | KFD |

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* = See end of report for comments and notes applying to this sample



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 WARWICK, RI 02886

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: B-09 @ 0-4

Sample ID: 04B01887 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | ND | 1.29 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | ND | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | ND | 2.58 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 96.9 | | SM 2540G | 01/28/04 | KFD |

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Purchase Order No.:

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Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: B-10 @ 0-4

Sample ID : 04B01888 Sampled : 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 4.14 | 1.40 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.30 | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 29.8 | 2.79 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 89.5 | | SM 2540G | 01/28/04 | KFD |

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: B-11 @ 0-4

Sample ID : 04B01889 Sampled : 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 4.91 | 1.50 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.38 | 0.12 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 33.4 | 3.00 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 83.4 | | SM 2540G | 01/28/04 | KFD |

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: B-12 @ 0-4

Sample ID : 04B01890 Sampled : 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 3.72 | 1.31 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.14 | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 3.75 | 2.63 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 95.2 | | SM 2540G | 01/28/04 | KFD |

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Purchase Order No.:

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Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: B-13 @ 0-4

Sample ID : 04B01891
Sampled : 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 2.34 | 1.38 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.66 | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 4.94 | 2.75 | SW846 3050/6010 | 01/30/04 | PM |
| solids (pe Solids, total | % | 90.8 | | SM 2540G | 01/28/04 | KFD |

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: MW-5 0-4'

Sample ID : 04B01894 Sampled : 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 2.02 | 1.31 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.16 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 26.7 | 2.61 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 95.7 | | SM 2540G | 01/28/04 | KFD |

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Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

Purchase Order No.:

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-5 8-12'

Sample ID: 04B01892 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|-------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| Acetone | mg/kg dry wt | ND | 2.00 | | 01/27/04 | MFF |
| Acrolein | mg/kg dry wt | ND | 0.799 | | 01/27/04 | MFF |
| Acrylonitrile | mg/kg dry wt | ND | 0.200 | | 01/27/04 | MFF |
| tert-Amylmethyl Ether | mg/kg dry wt | ND | 0.020 | | 01/27/04 | MFF |
| Benzene | mg/kg dry wt | ND | 0.024 | | 01/27/04 | MFF |
| Bromobenzene | mg/kg dry wt. | ND | 0.040 | | 01/27/04 | MFF |
| Bromochloromethane | mg/kg dry wt. | ND | 0.040 | | 01/27/04 | MFF |
| Bromodichloromethane | mg/kg dry wt. | ND | 0.040 | | 01/27/04 | MFF |
| Bromomethane | mg/kg dry wt | ND | 0.048 | | 01/27/04 | MFF |
| Bromoform | mg/kg dry wt | ND | 0.048 | | 01/27/04 | MFF |
| 2-Butanone (MEK) | mg/kg dry wt | ND | 0.479 | | 01/27/04 | MFF |
| tert-Butyl Alcohol | mg/kg dry wt | ND | 0.799 | | 01/27/04 | MFF |
| n-Butylbenzene | mg/kg dry wt. | 1.02 | 0.028 | | 01/27/04 | MFF |
| sec-Butylbenzene | mg/kg dry wt. | 0.690 | 0.024 | | 01/27/04 | MFF |
| tert-Butylbenzene | mg/kg dry wt. | 0.090 | 0.032 | | 01/27/04 | MFF |
| tert-Butylethyl Ether | mg/kg dry wt | ND | 0.020 | | 01/27/04 | MFF |
| Carbon Disulfide | mg/kg dry wt | ND | 0.120 | | 01/27/04 | MFF |
| Carbon Tetrachloride | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| Chlorobenzene | mg/kg dry wt | ND | 0.024 | | 01/27/04 | MFF |
| Chlorodibromomethane | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| Chloroethane | mg/kg dry wt | ND | 0.032 | | 01/27/04 | MFF |
| 2-Chloroethylvinylether | mg/kg dry wt | ND | 0.383 | | 01/27/04 | MFF |
| Chloroform | mg/kg dry wt | ND | 0.080 | | 01/27/04 | MFF |
| Chloromethane | mg/kg dry wt | ND | 0.599 | | 01/27/04 | MFF |
| 2-Chlorotoluene | mg/kg dry wt. | ND | 0.024 | | 01/27/04 | MFF |
| 4-Chlorotoluene | mg/kg dry wt. | ND | 0.024 | | 01/27/04 | MFF |
| 1,2-Dibromo-3-Chloropropane | mg/kg dry wt. | ND | 0.064 | | 01/27/04 | MFF |
| 1,2-Dibromoethane | mg/kg dry wt. | ND | 0.028 | | 01/27/04 | MFF |
| Dibromomethane | mg/kg dry wt | ND | 0.044 | | 01/27/04 | MFF |
| 1,2-Dichlorobenzene | mg/kg dry wt | ND | 0.032 | | 01/27/04 | MFF |
| 1,3-Dichlorobenzene | mg/kg dry wt | 0.043 | 0.024 | | 01/27/04 | MFF |
| 1,4-Dichlorobenzene | mg/kg dry wt | 0.104 | 0.032 | | 01/27/04 | MFF |
| cis-1,4-Dichloro-2-Butene | mg/kg dry wt | ND | 0.096 | | 01/27/04 | MFF |
| trans-1,4-Dichloro-2-Butene | mg/kg dry wt | ND | 0.084 | | 01/27/04 | MFF |
| Dichlorodifluoromethane | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| 1,1-Dichloroethane | mg/kg dry wt | ND | 0.028 | | 01/27/04 | MFF |

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Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

Purchase Order No.:

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-5 8-12'

Sample ID : 04B01892 Sampled : 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|----------------------------|---------------|---------|-------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| 1,2-Dichloroethane | mg/kg dry wt | ND | 0.036 | | 01/27/04 | MFF |
| 1,1-Dichloroethylene | mg/kg dry wt | ND | 0.024 | | 01/27/04 | MFF |
| cis-1,2-Dichloroethylene | mg/kg dry wt. | ND | 0.040 | | 01/27/04 | MFF |
| trans-1,2-Dichloroethylene | mg/kg dry wt | ND | 0.032 | | 01/27/04 | MFF |
| 1,2-Dichloropropane | mg/kg dry wt | ND | 0.024 | | 01/27/04 | MFF |
| 1,3-Dichloropropane | mg/kg dry wt. | ND | 0.040 | | 01/27/04 | MFF |
| 2,2-Dichloropropane | mg/kg dry wt. | ND | 0.036 | | 01/27/04 | MFF |
| 1,1-Dichloropropene | mg/kg dry wt. | ND | 0.056 | | 01/27/04 | MFF |
| cis-1,3-Dichloropropene | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| trans-1,3-Dichloropropene | mg/kg dry wt | ND | 0.020 | | 01/27/04 | MFF |
| Diethyl Ether | mg/kg dry wt | ND | 0.080 | | 01/27/04 | MFF |
| Diisopropyl Ether | mg/kg dry wt | ND | 0.020 | | 01/27/04 | MFF |
| 1,4-Dioxane | mg/kg dry wt | ND | 2.00 | | 01/27/04 | MFF |
| Ethyl Benzene | mg/kg dry wt | 1.59 | 0.024 | | 01/27/04 | MFF |
| Ethyl Methacrylate | mg/kg dry wt | ND | 0.032 | | 01/27/04 | MFF |
| Hexachlorobutadiene | mg/kg dry wt. | ND | 0.052 | | 01/27/04 | MFF |
| 2-Hexanone | mg/kg dry wt | ND | 0.387 | | 01/27/04 | MFF |
| Iodomethane | mg/kg dry wt | ND | 0.032 | | 01/27/04 | MFF |
| Isopropylbenzene | mg/kg dry wt. | 0.263 | 0.024 | | 01/27/04 | MFF |
| p-Isopropyltoluene | mg/kg dry wt. | 1.77 | 0.028 | | 01/27/04 | MFF |
| MTBE | mg/kg dry wt | ND | 0.032 | | 01/27/04 | MFF |
| Methylene Chloride | mg/kg dry wt | ND | 0.599 | | 01/27/04 | MFF |
| MIBK | mg/kg dry wt | ND | 0.352 | | 01/27/04 | MFF |
| Naphthalene | mg/kg dry wt. | 0.751 | 0.040 | | 01/27/04 | MFF |
| n-Propylbenzene | mg/kg dry wt. | 0.640 | 0.032 | | 01/27/04 | MFF |
| Styrene | mg/kg dry wt | ND | 0.028 | | 01/27/04 | MFF |
| 1,1,1,2-Tetrachloroethane | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| 1,1,2,2-Tetrachloroethane | mg/kg dry wt | ND | 0.056 | | 01/27/04 | MFF |
| Tetrachloroethylene | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| Tetrahydrofuran | mg/kg dry wt | ND | 0.200 | | 01/27/04 | MFF |
| Toluene | mg/kg dry wt | 0.096 | 0.028 | | 01/27/04 | MFF |
| 1,2,3-Trichlorobenzene | mg/kg dry wt. | ND | 0.028 | | 01/27/04 | MFF |
| 1,2,4-Trichlorobenzene | mg/kg dry wt. | 0.080 | 0.028 | | 01/27/04 | MFF |
| 1,1,1-Trichloroethane | mg/kg dry wt | ND | 0.036 | | 01/27/04 | MFF |
| 1,1,2-Trichloroethane | mg/kg dry wt | ND | 0.028 | | 01/27/04 | MFF |
| Trichloroethylene | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-5 8-12'

Sample ID: 04B01892 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|------------------------|---------------|---------|-------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| Trichlorofluoromethane | mg/kg dry wt | ND | 0.028 | | 01/27/04 | MFF |
| 1,2,3-Trichloropropane | mg/kg dry wt | ND | 0.052 | | 01/27/04 | MFF |
| 1,2,4-Trimethylbenzene | mg/kg dry wt. | 9.19 | 0.040 | | 01/27/04 | MFF |
| 1,3,5-Trimethylbenzene | mg/kg dry wt. | 3.72 | 0.040 | | 01/27/04 | MFF |
| Vinyl Acetate | mg/kg dry wt | ND | 0.655 | | 01/27/04 | MFF |
| Vinyl Chloride | mg/kg dry wt | ND | 0.040 | | 01/27/04 | MFF |
| m + p Xylene | mg/kg dry wt | 3.88 | 0.052 | | 01/27/04 | MFF |
| o-Xylene | mg/kg dry wt | 1.87 | 0.040 | | 01/27/04 | MFF |
| solids (pe | | | | SM 2540G | | |
| Solids, total | % | 81.3 | | | 01/28/04 | KFD |

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Purchase Order No.:

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Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-6 0-4'

Sample ID: 04B01895 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 2.39 | 1.33 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.18 | 0.11 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 22.2 | 2.66 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 93.8 | | SM 2540G | 01/28/04 | KFD |

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Purchase Order No.:

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Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-6 8-12'

Sample ID : 04B01893 Sampled : 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|-------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| Acetone | mg/kg dry wt | ND | 4.34 | | 01/27/04 | MFF |
| Acrolein | mg/kg dry wt | ND | 1.74 | | 01/27/04 | MFF |
| Acrylonitrile | mg/kg dry wt | ND | 0.434 | | 01/27/04 | MFF |
| tert-Amylmethyl Ether | mg/kg dry wt | ND | 0.043 | | 01/27/04 | MFF |
| Benzene | mg/kg dry wt | 0.096 | 0.052 | | 01/27/04 | MFF |
| Bromobenzene | mg/kg dry wt. | ND | 0.087 | | 01/27/04 | MFF |
| Bromochloromethane | mg/kg dry wt. | ND | 0.087 | | 01/27/04 | MFF |
| Bromodichloromethane | mg/kg dry wt. | ND | 0.087 | | 01/27/04 | MFF |
| Bromomethane | mg/kg dry wt | ND | 0.104 | | 01/27/04 | MFF |
| Bromoform | mg/kg dry wt | ND | 0.104 | | 01/27/04 | MFF |
| 2-Butanone (MEK) | mg/kg dry wt | ND | 1.04 | | 01/27/04 | MFF |
| tert-Butyl Alcohol | mg/kg dry wt | ND | 1.74 | | 01/27/04 | MFF |
| n-Butylbenzene | mg/kg dry wt. | 1.75 | 0.061 | | 01/27/04 | MFF |
| sec-Butylbenzene | mg/kg dry wt. | 2.44 | 0.052 | | 01/27/04 | MFF |
| tert-Butylbenzene | mg/kg dry wt. | 0.182 | 0.069 | | 01/27/04 | MFF |
| tert-Butylethyl Ether | mg/kg dry wt | ND | 0.043 | | 01/27/04 | MFF |
| Carbon Disulfide | mg/kg dry wt | ND | 0.260 | | 01/27/04 | MFF |
| Carbon Tetrachloride | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| Chlorobenzene | mg/kg dry wt | ND | 0.052 | | 01/27/04 | MFF |
| Chlorodibromomethane | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| Chloroethane | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| 2-Chloroethylvinylether | mg/kg dry wt | ND | 0.833 | | 01/27/04 | MFF |
| Chloroform | mg/kg dry wt | ND | 0.174 | | 01/27/04 | MFF |
| Chloromethane | mg/kg dry wt | ND | 1.30 | | 01/27/04 | MFF |
| 2-Chlorotoluene | mg/kg dry wt. | ND | 0.052 | | 01/27/04 | MFF |
| 4-Chlorotoluene | mg/kg dry wt. | ND | 0.052 | | 01/27/04 | MFF |
| 1,2-Dibromo-3-Chloropropane | mg/kg dry wt. | ND | 0.139 | | 01/27/04 | MFF |
| 1,2-Dibromoethane | mg/kg dry wt. | ND | 0.061 | | 01/27/04 | MFF |
| Dibromomethane | mg/kg dry wt | ND | 0.095 | | 01/27/04 | MFF |
| 1,2-Dichlorobenzene | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| 1,3-Dichlorobenzene | mg/kg dry wt | ND | 0.052 | | 01/27/04 | MFF |
| 1,4-Dichlorobenzene | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| cis-1,4-Dichloro-2-Butene | mg/kg dry wt | ND | 0.208 | | 01/27/04 | MFF |
| trans-1,4-Dichloro-2-Butene | mg/kg dry wt | ND | 0.182 | | 01/27/04 | MFF |
| Dichlorodifluoromethane | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| 1,1-Dichloroethane | mg/kg dry wt | ND | 0.061 | | 01/27/04 | MFF |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

Purchase Order No.:

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Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-6 8-12'

Sample ID: 04B01893 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|----------------------------|---------------|---------|-------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| 1,2-Dichloroethane | mg/kg dry wt | ND | 0.078 | | 01/27/04 | MFF |
| 1,1-Dichloroethylene | mg/kg dry wt | ND | 0.052 | | 01/27/04 | MFF |
| cis-1,2-Dichloroethylene | mg/kg dry wt. | ND | 0.087 | | 01/27/04 | MFF |
| trans-1,2-Dichloroethylene | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| 1,2-Dichloropropane | mg/kg dry wt | ND | 0.052 | | 01/27/04 | MFF |
| 1,3-Dichloropropane | mg/kg dry wt. | ND | 0.087 | | 01/27/04 | MFF |
| 2,2-Dichloropropane | mg/kg dry wt. | ND | 0.078 | | 01/27/04 | MFF |
| 1,1-Dichloropropene | mg/kg dry wt. | ND | 0.122 | | 01/27/04 | MFF |
| cis-1,3-Dichloropropene | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| trans-1,3-Dichloropropene | mg/kg dry wt | ND | 0.043 | | 01/27/04 | MFF |
| Diethyl Ether | mg/kg dry wt | ND | 0.174 | | 01/27/04 | MFF |
| Diisopropyl Ether | mg/kg dry wt | ND | 0.043 | | 01/27/04 | MFF |
| 1,4-Dioxane | mg/kg dry wt | ND | 4.34 | | 01/27/04 | MFF |
| Ethyl Benzene | mg/kg dry wt | 634. | 0.052 | | 01/27/04 | MFF |
| Ethyl Methacrylate | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| Hexachlorobutadiene | mg/kg dry wt. | ND | 0.113 | | 01/27/04 | MFF |
| 2-Hexanone | mg/kg dry wt | ND | 0.842 | | 01/27/04 | MFF |
| Iodomethane | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| Isopropylbenzene | mg/kg dry wt. | 25.8 | 0.052 | | 01/27/04 | MFF |
| p-Isopropyltoluene | mg/kg dry wt. | 1.94 | 0.061 | | 01/27/04 | MFF |
| MTBE | mg/kg dry wt | ND | 0.069 | | 01/27/04 | MFF |
| Methylene Chloride | mg/kg dry wt | ND | 1.30 | | 01/27/04 | MFF |
| MIBK | mg/kg dry wt | ND | 0.764 | | 01/27/04 | MFF |
| Naphthalene | mg/kg dry wt. | 9.90 | 0.087 | | 01/27/04 | MFF |
| n-Propylbenzene | mg/kg dry wt. | 7.33 | 0.069 | | 01/27/04 | MFF |
| Styrene | mg/kg dry wt | ND | 0.061 | | 01/27/04 | MFF |
| 1,1,1,2-Tetrachloroethane | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| 1,1,2,2-Tetrachloroethane | mg/kg dry wt | ND | 0.122 | | 01/27/04 | MFF |
| Tetrachloroethylene | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| Tetrahydrofuran | mg/kg dry wt | ND | 0.434 | | 01/27/04 | MFF |
| Toluene | mg/kg dry wt | 56.1 | 0.061 | | 01/27/04 | MFF |
| 1,2,3-Trichlorobenzene | mg/kg dry wt. | ND | 0.061 | | 01/27/04 | MFF |
| 1,2,4-Trichlorobenzene | mg/kg dry wt. | ND | 0.061 | | 01/27/04 | MFF |
| 1,1,1-Trichloroethane | mg/kg dry wt | ND | 0.078 | | 01/27/04 | MFF |
| 1,1,2-Trichloroethane | mg/kg dry wt | ND | 0.061 | | 01/27/04 | MFF |
| Trichloroethylene | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |

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 WARWICK, RI 02886

2/18/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-6 8-12'

Sample ID: 04B01893 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|------------------------|---------------|---------|-------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| Trichlorofluoromethane | mg/kg dry wt | ND | 0.061 | | 01/27/04 | MFF |
| 1,2,3-Trichloropropane | mg/kg dry wt | ND | 0.113 | | 01/27/04 | MFF |
| 1,2,4-Trimethylbenzene | mg/kg dry wt. | 71.4 | 0.087 | | 01/27/04 | MFF |
| 1,3,5-Trimethylbenzene | mg/kg dry wt. | 33.1 | 0.087 | | 01/27/04 | MFF |
| Vinyl Acetate | mg/kg dry wt | ND | 1.42 | | 01/27/04 | MFF |
| Vinyl Chloride | mg/kg dry wt | ND | 0.087 | | 01/27/04 | MFF |
| m + p Xylene | mg/kg dry wt | 1690. | 0.113 | | 01/27/04 | MFF |
| o-Xylene | mg/kg dry wt | 669. | 0.087 | | 01/27/04 | MFF |
| solids (pe | | | | SM 2540G | | |
| Solids, total | % | 80.0 | | | 01/28/04 | KFD |

RL = Reporting Limit

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250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

2/18/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

Field Sample #: MW-7 0-4'

Sample ID : 04B01896 Sampled : 1/19/2004
NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|-----------------|---------------|---------|
| as (mg/kg) Arsenic | mg/kg dry wt. | 1.69 | 1.31 | SW846 3050/7060 | 01/29/04 | WHW |
| be (mg/kg) Beryllium | mg/kg dry wt. | 0.15 | 0.10 | SW846 3050/6010 | 01/29/04 | PM |
| pb (mg/kg) Lead | mg/kg dry wt. | 18.9 | 2.61 | SW846 3050/6010 | 01/29/04 | PM |
| solids (pe Solids, total | % | 95.6 | | SM 2540G | 01/28/04 | KFD |

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2/18/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-7 8-12'

Sample ID: 04B01878 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|-----------------------------|---------------|---------|------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| Acetone | mg/kg dry wt | ND | 277. | | 01/27/04 | MFF |
| Acrolein | mg/kg dry wt | ND | 111. | | 01/27/04 | MFF |
| Acrylonitrile | mg/kg dry wt | ND | 27.7 | | 01/27/04 | MFF |
| tert-Amylmethyl Ether | mg/kg dry wt | ND | 2.77 | | 01/27/04 | MFF |
| Benzene | mg/kg dry wt | ND | 3.33 | | 01/27/04 | MFF |
| Bromobenzene | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| Bromochloromethane | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| Bromodichloromethane | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| Bromomethane | mg/kg dry wt | ND | 6.66 | | 01/27/04 | MFF |
| Bromoform | mg/kg dry wt | ND | 6.66 | | 01/27/04 | MFF |
| 2-Butanone (MEK) | mg/kg dry wt | ND | 66.6 | | 01/27/04 | MFF |
| tert-Butyl Alcohol | mg/kg dry wt | ND | 111. | | 01/27/04 | MFF |
| n-Butylbenzene | mg/kg dry wt. | ND | 3.88 | | 01/27/04 | MFF |
| sec-Butylbenzene | mg/kg dry wt. | ND | 3.33 | | 01/27/04 | MFF |
| tert-Butylbenzene | mg/kg dry wt. | ND | 4.44 | | 01/27/04 | MFF |
| tert-Butylethyl Ether | mg/kg dry wt | ND | 2.77 | | 01/27/04 | MFF |
| Carbon Disulfide | mg/kg dry wt | ND | 16.6 | | 01/27/04 | MFF |
| Carbon Tetrachloride | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| Chlorobenzene | mg/kg dry wt | ND | 3.33 | | 01/27/04 | MFF |
| Chlorodibromomethane | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| Chloroethane | mg/kg dry wt | ND | 4.44 | | 01/27/04 | MFF |
| 2-Chloroethylvinylether | mg/kg dry wt | ND | 53.3 | | 01/27/04 | MFF |
| Chloroform | mg/kg dry wt | ND | 11.1 | | 01/27/04 | MFF |
| Chloromethane | mg/kg dry wt | ND | 83.2 | | 01/27/04 | MFF |
| 2-Chlorotoluene | mg/kg dry wt. | ND | 3.33 | | 01/27/04 | MFF |
| 4-Chlorotoluene | mg/kg dry wt. | ND | 3.33 | | 01/27/04 | MFF |
| 1,2-Dibromo-3-Chloropropane | mg/kg dry wt. | ND | 8.88 | | 01/27/04 | MFF |
| 1,2-Dibromoethane | mg/kg dry wt. | ND | 3.88 | | 01/27/04 | MFF |
| Dibromomethane | mg/kg dry wt | ND | 6.10 | | 01/27/04 | MFF |
| 1,2-Dichlorobenzene | mg/kg dry wt | 35.6 | 4.44 | | 01/27/04 | MFF |
| 1,3-Dichlorobenzene | mg/kg dry wt | ND | 3.33 | | 01/27/04 | MFF |
| 1,4-Dichlorobenzene | mg/kg dry wt | 6.33 | 4.44 | | 01/27/04 | MFF |
| cis-1,4-Dichloro-2-Butene | mg/kg dry wt | ND | 13.3 | | 01/27/04 | MFF |
| trans-1,4-Dichloro-2-Butene | mg/kg dry wt | ND | 11.7 | | 01/27/04 | MFF |
| Dichlorodifluoromethane | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| 1,1-Dichloroethane | mg/kg dry wt | ND | 3.88 | | 01/27/04 | MFF |

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 WARWICK, RI 02886

2/18/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-7 8-12'

Sample ID: 04B01878 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|----------------------------|---------------|---------|------|------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| 1,2-Dichloroethane | mg/kg dry wt | ND | 4.99 | | 01/27/04 | MFF |
| 1,1-Dichloroethylene | mg/kg dry wt | ND | 3.33 | | 01/27/04 | MFF |
| cis-1,2-Dichloroethylene | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| trans-1,2-Dichloroethylene | mg/kg dry wt | ND | 4.44 | | 01/27/04 | MFF |
| 1,2-Dichloropropane | mg/kg dry wt | ND | 3.33 | | 01/27/04 | MFF |
| 1,3-Dichloropropane | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| 2,2-Dichloropropane | mg/kg dry wt. | ND | 4.99 | | 01/27/04 | MFF |
| 1,1-Dichloropropene | mg/kg dry wt. | ND | 7.77 | | 01/27/04 | MFF |
| cis-1,3-Dichloropropene | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| trans-1,3-Dichloropropene | mg/kg dry wt. | ND | 2.77 | | 01/27/04 | MFF |
| Diethyl Ether | mg/kg dry wt | ND | 11.1 | | 01/27/04 | MFF |
| Diisopropyl Ether | mg/kg dry wt | ND | 2.77 | | 01/27/04 | MFF |
| 1,4-Dioxane | mg/kg dry wt | ND | 277. | | 01/27/04 | MFF |
| Ethyl Benzene | mg/kg dry wt | 7.16 | 3.33 | | 01/27/04 | MFF |
| Ethyl Methacrylate | mg/kg dry wt | ND | 4.44 | | 01/27/04 | MFF |
| Hexachlorobutadiene | mg/kg dry wt. | ND | 7.21 | | 01/27/04 | MFF |
| 2-Hexanone | mg/kg dry wt | ND | 53.8 | | 01/27/04 | MFF |
| Iodomethane | mg/kg dry wt | ND | 4.44 | | 01/27/04 | MFF |
| Isopropylbenzene | mg/kg dry wt. | ND | 3.33 | | 01/27/04 | MFF |
| p-Isopropyltoluene | mg/kg dry wt. | 5.83 | 3.88 | | 01/27/04 | MFF |
| MTBE | mg/kg dry wt | ND | 4.44 | | 01/27/04 | MFF |
| Methylene Chloride | mg/kg dry wt | ND | 83.2 | | 01/27/04 | MFF |
| MIBK | mg/kg dry wt | ND | 48.8 | | 01/27/04 | MFF |
| Naphthalene | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| n-Propylbenzene | mg/kg dry wt. | ND | 4.44 | | 01/27/04 | MFF |
| Styrene | mg/kg dry wt | ND | 3.88 | | 01/27/04 | MFF |
| 1,1,1,2-Tetrachloroethane | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| 1,1,2,2-Tetrachloroethane | mg/kg dry wt | ND | 7.77 | | 01/27/04 | MFF |
| Tetrachloroethylene | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| Tetrahydrofuran | mg/kg dry wt | ND | 27.7 | | 01/27/04 | MFF |
| Toluene | mg/kg dry wt | ND | 3.88 | | 01/27/04 | MFF |
| 1,2,3-Trichlorobenzene | mg/kg dry wt. | 21.9 | 3.88 | | 01/27/04 | MFF |
| 1,2,4-Trichlorobenzene | mg/kg dry wt. | 75.0 | 3.88 | | 01/27/04 | MFF |
| 1,1,1-Trichloroethane | mg/kg dry wt | ND | 4.99 | | 01/27/04 | MFF |
| 1,1,2-Trichloroethane | mg/kg dry wt | ND | 3.88 | | 01/27/04 | MFF |
| Trichloroethylene | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |

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39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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 WARWICK, RI 02886

2/18/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
 Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
 Job Number: -

Field Sample #: MW-7 8-12'

Sample ID: 04B01878 Sampled: 1/19/2004
 NOT SPECIFIED

Sample Matrix: SOIL

| | Units | Results | RL | Method | Date Analyzed | Analyst |
|------------------------|---------------|---------|------|-----------------|---------------|---------|
| 8260 dry w | | | | SW846 8260 | | |
| Trichlorofluoromethane | mg/kg dry wt | ND | 3.88 | | 01/27/04 | MFF |
| 1,2,3-Trichloropropane | mg/kg dry wt | ND | 7.21 | | 01/27/04 | MFF |
| 1,2,4-Trimethylbenzene | mg/kg dry wt. | 5.72 | 5.55 | | 01/27/04 | MFF |
| 1,3,5-Trimethylbenzene | mg/kg dry wt. | ND | 5.55 | | 01/27/04 | MFF |
| Vinyl Acetate | mg/kg dry wt | ND | 91.0 | | 01/27/04 | MFF |
| Vinyl Chloride | mg/kg dry wt | ND | 5.55 | | 01/27/04 | MFF |
| m + p Xylene | mg/kg dry wt | 17.7 | 7.21 | | 01/27/04 | MFF |
| o-Xylene | mg/kg dry wt | 6.88 | 5.55 | | 01/27/04 | MFF |
| as (mg/kg) | | | | SW846 3050/7060 | | |
| Arsenic | mg/kg dry wt. | 1.76 | 1.53 | | 01/29/04 | WHW |
| be (mg/kg) | | | | SW846 3050/6010 | | |
| Beryllium | mg/kg dry wt. | 0.27 | 0.12 | | 01/29/04 | PM |
| pb (mg/kg) | | | | SW846 3050/6010 | | |
| Lead | mg/kg dry wt. | ND | 3.05 | | 01/29/04 | PM |
| solids (pe | | | | SM 2540G | | |
| Solids, total | % | 81.9 | | | 01/28/04 | KFD |

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250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE.
Date Received: 1/23/2004

LIMS-BAT #: LIMS-76524
Job Number: -

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/18/2004

Lims Bat #: LIMS-76524

Page 1 of 7

QC Batch Number: GCMS/VOL-9337

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|-------------|----------------------------|--------------------|---------|---------------|--------|
| 04B01878 | 1,2-Dichloroethane-d4 | Surrogate Recovery | 96.560 | % | 70-130 |
| | Toluene-d8 | Surrogate Recovery | 101.520 | % | 70-130 |
| | Bromofluorobenzene | Surrogate Recovery | 104.200 | % | 70-130 |
| 04B01892 | 1,2-Dichloroethane-d4 | Surrogate Recovery | 91.920 | % | 70-130 |
| | Toluene-d8 | Surrogate Recovery | 101.640 | % | 70-130 |
| | Bromofluorobenzene | Surrogate Recovery | 100.600 | % | 70-130 |
| 04B01893 | 1,2-Dichloroethane-d4 | Surrogate Recovery | 90.600 | % | 70-130 |
| | Toluene-d8 | Surrogate Recovery | 106.480 | % | 70-130 |
| | Bromofluorobenzene | Surrogate Recovery | 104.000 | % | 70-130 |
| BLANK-57220 | Acetone | Blank | <0.100 | mg/kg dry wt | |
| | Benzene | Blank | <0.001 | mg/kg dry wt | |
| | Carbon Tetrachloride | Blank | <0.002 | mg/kg dry wt | |
| | Chloroform | Blank | <0.004 | mg/kg dry wt | |
| | 1,2-Dichloroethane | Blank | <0.002 | mg/kg dry wt | |
| | 1,4-Dichlorobenzene | Blank | <0.002 | mg/kg dry wt | |
| | Ethyl Benzene | Blank | <0.001 | mg/kg dry wt | |
| | 2-Butanone (MEK) | Blank | <0.024 | mg/kg dry wt | |
| | MIBK | Blank | <0.018 | mg/kg dry wt | |
| | Naphthalene | Blank | <0.002 | mg/kg dry wt. | |
| | Styrene | Blank | <0.001 | mg/kg dry wt | |
| | Tetrachloroethylene | Blank | <0.002 | mg/kg dry wt | |
| | Toluene | Blank | <0.001 | mg/kg dry wt | |
| | 1,1,1-Trichloroethane | Blank | <0.002 | mg/kg dry wt | |
| | Trichloroethylene | Blank | <0.002 | mg/kg dry wt | |
| | Trichlorofluoromethane | Blank | <0.001 | mg/kg dry wt | |
| | o-Xylene | Blank | <0.002 | mg/kg dry wt | |
| | m + p Xylene | Blank | <0.003 | mg/kg dry wt | |
| | 1,2-Dichlorobenzene | Blank | <0.002 | mg/kg dry wt | |
| | 1,3-Dichlorobenzene | Blank | <0.001 | mg/kg dry wt | |
| | 1,1-Dichloroethane | Blank | <0.001 | mg/kg dry wt | |
| | 1,1-Dichloroethylene | Blank | <0.001 | mg/kg dry wt | |
| | 1,4-Dioxane | Blank | <0.100 | mg/kg dry wt | |
| | MTBE | Blank | <0.002 | mg/kg dry wt | |
| | trans-1,2-Dichloroethylene | Blank | <0.002 | mg/kg dry wt | |
| | Vinyl Chloride | Blank | <0.002 | mg/kg dry wt | |
| | Methylene Chloride | Blank | <0.030 | mg/kg dry wt | |
| | Chlorobenzene | Blank | <0.001 | mg/kg dry wt | |
| | Chloromethane | Blank | <0.030 | mg/kg dry wt | |
| | Bromomethane | Blank | <0.002 | mg/kg dry wt | |
| | Chloroethane | Blank | <0.002 | mg/kg dry wt | |



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/18/2004

Lims Bat #: LIMS-76524

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QC Batch Number: GCMS/VOL-9337

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|-------------|-----------------------------|-------------|--------|---------------|--------|
| BLANK-57220 | | | | | |
| | cis-1,3-Dichloropropene | Blank | <0.002 | mg/kg dry wt | |
| | trans-1,3-Dichloropropene | Blank | <0.001 | mg/kg dry wt | |
| | Chlorodibromomethane | Blank | <0.002 | mg/kg dry wt | |
| | 1,1,2-Trichloroethane | Blank | <0.001 | mg/kg dry wt | |
| | 2-Chloroethylvinylether | Blank | <0.019 | mg/kg dry wt | |
| | Bromoform | Blank | <0.002 | mg/kg dry wt | |
| | 1,1,2,2-Tetrachloroethane | Blank | <0.003 | mg/kg dry wt | |
| | 2-Chlorotoluene | Blank | <0.001 | mg/kg dry wt. | |
| | Hexachlorobutadiene | Blank | <0.003 | mg/kg dry wt. | |
| | Isopropylbenzene | Blank | <0.001 | mg/kg dry wt. | |
| | p-Isopropyltoluene | Blank | <0.001 | mg/kg dry wt. | |
| | n-Propylbenzene | Blank | <0.002 | mg/kg dry wt. | |
| | sec-Butylbenzene | Blank | <0.001 | mg/kg dry wt. | |
| | tert-Butylbenzene | Blank | <0.002 | mg/kg dry wt. | |
| | 1,2,3-Trichlorobenzene | Blank | <0.001 | mg/kg dry wt. | |
| | 1,2,4-Trichlorobenzene | Blank | <0.001 | mg/kg dry wt. | |
| | 1,2,4-Trimethylbenzene | Blank | <0.002 | mg/kg dry wt. | |
| | 1,3,5-Trimethylbenzene | Blank | <0.002 | mg/kg dry wt. | |
| | 4-Chlorotoluene | Blank | <0.001 | mg/kg dry wt. | |
| | Dibromomethane | Blank | <0.002 | mg/kg dry wt | |
| | cis-1,2-Dichloroethylene | Blank | <0.002 | mg/kg dry wt. | |
| | 1,1-Dichloropropene | Blank | <0.003 | mg/kg dry wt. | |
| | 1,2-Dichloropropane | Blank | <0.001 | mg/kg dry wt | |
| | 1,3-Dichloropropane | Blank | <0.002 | mg/kg dry wt. | |
| | 2,2-Dichloropropane | Blank | <0.002 | mg/kg dry wt. | |
| | 1,1,1,2-Tetrachloroethane | Blank | <0.002 | mg/kg dry wt | |
| | 1,2,3-Trichloropropane | Blank | <0.003 | mg/kg dry wt | |
| | n-Butylbenzene | Blank | <0.001 | mg/kg dry wt. | |
| | Dichlorodifluoromethane | Blank | <0.002 | mg/kg dry wt | |
| | Bromochloromethane | Blank | <0.002 | mg/kg dry wt. | |
| | Bromobenzene | Blank | <0.002 | mg/kg dry wt. | |
| | Iodomethane | Blank | <0.002 | mg/kg dry wt | |
| | Acrolein | Blank | <0.040 | mg/kg dry wt | |
| | Acrylonitrile | Blank | <0.010 | mg/kg dry wt | |
| | Carbon Disulfide | Blank | <0.006 | mg/kg dry wt | |
| | Vinyl Acetate | Blank | <0.033 | mg/kg dry wt | |
| | 2-Hexanone | Blank | <0.019 | mg/kg dry wt | |
| | trans-1,4-Dichloro-2-Butene | Blank | <0.004 | mg/kg dry wt | |
| | Ethyl Methacrylate | Blank | <0.002 | mg/kg dry wt | |
| | cis-1,4-Dichloro-2-Butene | Blank | <0.005 | mg/kg dry wt | |
| | Diethyl Ether | Blank | <0.004 | mg/kg dry wt | |
| | Bromodichloromethane | Blank | <0.002 | mg/kg dry wt. | |
| | 1,2-Dibromo-3-Chloropropane | Blank | <0.003 | mg/kg dry wt. | |



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/18/2004

Lims Bat # : LIMS-76524

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QC Batch Number: GCMS/VOL-9337

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|-------------|-----------------------|-------------|--------|---------------|--------|
| BLANK-57220 | 1,2-Dibromoethane | Blank | <0.001 | mg/kg dry wt. | |
| | Tetrahydrofuran | Blank | <0.010 | mg/kg dry wt | |
| | tert-Butyl Alcohol | Blank | <0.040 | mg/kg dry wt | |
| | Diisopropyl Ether | Blank | <0.001 | mg/kg dry wt | |
| | tert-Butylethyl Ether | Blank | <0.001 | mg/kg dry wt | |
| | tert-Amylmethyl Ether | Blank | <0.001 | mg/kg dry wt | |



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Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/18/2004

Lims Bat #: LIMS-76524

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QC Batch Number: HGA/AA-3988

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|---------------|----------|----------------------|----------|---------------|--------|
| 04B01878 | Arsenic | Sample Amount | 1.7553 | mg/kg dry wt. | |
| | | Duplicate Value | 1.8078 | mg/kg dry wt. | |
| | | Duplicate RPD | 2.9467 | % | |
| | | Sample Amount | 1.7553 | mg/kg dry wt. | |
| | | Matrix Spk Amt Added | 122.0892 | mg/kg dry wt. | |
| | | MS Amt Measured | 122.2723 | mg/kg dry wt. | |
| | | Matrix Spike % Rec. | 98.7123 | % | |
| 04B01881 | Arsenic | Sample Amount | 3.3452 | mg/kg dry wt. | |
| | | Duplicate Value | 3.0143 | mg/kg dry wt. | |
| | | Duplicate RPD | 10.4056 | % | |
| | | Sample Amount | 3.3452 | mg/kg dry wt. | |
| | | Matrix Spk Amt Added | 104.2124 | mg/kg dry wt. | |
| | | MS Amt Measured | 110.1004 | mg/kg dry wt. | |
| | | Matrix Spike % Rec. | 102.4400 | % | |
| 04B01891 | Arsenic | Sample Amount | 2.3424 | mg/kg dry wt. | |
| | | Duplicate Value | 2.4908 | mg/kg dry wt. | |
| | | Duplicate RPD | 6.1435 | % | |
| | | Sample Amount | 2.3424 | mg/kg dry wt. | |
| | | Matrix Spk Amt Added | 110.1766 | mg/kg dry wt. | |
| | | MS Amt Measured | 121.3044 | mg/kg dry wt. | |
| | | Matrix Spike % Rec. | 107.9740 | % | |
| BLANK-57214 | Arsenic | Blank | <1.25 | mg/kg dry wt. | |
| LFBLANK-30297 | Arsenic | Lab Fort Blank Amt. | 100.0000 | mg/kg dry wt. | |
| | | Lab Fort Blk. Found | 113.1000 | mg/kg dry wt. | |
| | | Lab Fort Blk. % Rec. | 113.1000 | % | |



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Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/18/2004

Lims Bat #: LIMS-76524

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QC Batch Number: ICP-9283

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|----------------------|----------------------|----------------------|-----------|---------------|--------|
| 04B01878 | Beryllium | Sample Amount | 0.27 | mg/kg dry wt. | |
| | | Duplicate Value | 0.29 | mg/kg dry wt. | |
| | | Duplicate RPD | 8.70 | % | 0-50 |
| | | Sample Amount | 0.27 | mg/kg dry wt. | |
| | | Matrix Spk Amt Added | 122.09 | mg/kg dry wt. | |
| | | MS Amt Measured | 106.52 | mg/kg dry wt. | |
| | Lead | Matrix Spike % Rec. | 87.03 | % | 70-130 |
| | | Sample Amount | <3.05 | mg/kg dry wt. | |
| | | Matrix Spk Amt Added | 122.09 | mg/kg dry wt. | |
| | | MS Amt Measured | 105.61 | mg/kg dry wt. | |
| | | Matrix Spike % Rec. | 86.50 | % | 70-130 |
| | | 04B01881 | Beryllium | Sample Amount | 0.19 |
| Duplicate Value | 0.18 | | | mg/kg dry wt. | |
| Duplicate RPD | 5.71 | | | % | 0-50 |
| Sample Amount | 0.19 | | | mg/kg dry wt. | |
| Matrix Spk Amt Added | 104.21 | | | mg/kg dry wt. | |
| MS Amt Measured | 86.13 | | | mg/kg dry wt. | |
| Lead | Matrix Spike % Rec. | | 82.47 | % | 70-130 |
| | Sample Amount | | 23.96 | mg/kg dry wt. | |
| | Duplicate Value | | 24.49 | mg/kg dry wt. | |
| | Duplicate RPD | | 2.19 | % | 0-50 |
| | Sample Amount | | 23.96 | mg/kg dry wt. | |
| | Matrix Spk Amt Added | | 104.21 | mg/kg dry wt. | |
| 04B01891 | Beryllium | MS Amt Measured | 105.20 | mg/kg dry wt. | |
| | | Matrix Spike % Rec. | 77.96 | % | 70-130 |
| | | Sample Amount | 0.66 | mg/kg dry wt. | |
| | | Duplicate Value | 0.69 | mg/kg dry wt. | |
| | | Duplicate RPD | 4.88 | % | 0-50 |
| | | Sample Amount | 0.66 | mg/kg dry wt. | |
| | Lead | Matrix Spk Amt Added | 110.18 | mg/kg dry wt. | |
| | | MS Amt Measured | 106.02 | mg/kg dry wt. | |
| | | Matrix Spike % Rec. | 95.62 | % | 70-130 |
| | | Sample Amount | 4.94 | mg/kg dry wt. | |
| | | Duplicate Value | 4.81 | mg/kg dry wt. | |
| | | Duplicate RPD | 2.60 | % | 0-50 |
| BLANK-57217 | Arsenic | Sample Amount | 4.94 | mg/kg dry wt. | |
| | | Matrix Spk Amt Added | 110.18 | mg/kg dry wt. | |
| | | MS Amt Measured | 105.90 | mg/kg dry wt. | |
| | | Matrix Spike % Rec. | 91.63 | % | 70-130 |
| | | Blank | <5.00 | mg/kg dry wt. | |



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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/18/2004

Lims Bat #: LIMS-76524

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QC Batch Number: ICP-9283

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|---------------|-----------|----------------------|--------|---------------|--------|
| BLANK-57217 | Beryllium | Blank | <0.10 | mg/kg dry wt. | |
| | Lead | Blank | <2.50 | mg/kg dry wt. | |
| LFBLANK-30300 | Arsenic | Lab Fort Blank Amt. | 100.00 | mg/kg dry wt. | |
| | | Lab Fort Blk. Found | 88.80 | mg/kg dry wt. | |
| | | Lab Fort Blk. % Rec. | 88.80 | % | 80-120 |
| | Beryllium | Lab Fort Blank Amt. | 100.00 | mg/kg dry wt. | |
| | | Lab Fort Blk. Found | 92.15 | mg/kg dry wt. | |
| | | Lab Fort Blk. % Rec. | 92.15 | % | 80-120 |
| | Lead | Lab Fort Blank Amt. | 100.00 | mg/kg dry wt. | |
| | | Lab Fort Blk. Found | 88.50 | mg/kg dry wt. | |
| | | Lab Fort Blk. % Rec. | 88.50 | % | 80-120 |



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QC SUMMARY REPORT

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Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/18/2004

Lims Bat #: LIMS-76524

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QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

| | |
|-----------------------|--|
| QC BATCH NUMBER | This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data. |
| LIMITS | Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined. |
| Sample Amount | Amount of analyte found in a sample. |
| Blank | Method Blank that has been taken through all the steps of the analysis. |
| LFBLANK | Laboratory Fortified Blank (a control sample) |
| STDADD | Standard Added (a laboratory control sample) |
| Matrix Spk Amt Added | Amount of analyte spiked into a sample |
| MS Amt Measured | Amount of analyte found including amount that was spiked |
| Matrix Spike % Rec. | % Recovery of spiked amount in sample. |
| Duplicate Value | The result from the Duplicate analysis of the sample. |
| Duplicate RPD | The Relative Percent Difference between two Duplicate Analyses. |
| Surrogate Recovery | The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods. |
| Sur. Recovery (ELCD) | Surrogate Recovery on the Electrolytic Conductivity Detector. |
| Sur. Recovery (PID) | Surrogate Recovery on the Photoionization Detector. |
| Standard Measured | Amount measured for a laboratory control sample |
| Standard Amt Added | Known value for a laboratory control sample |
| Standard % Recovery | % recovered for a laboratory control sample with a known value. |
| Lab Fort Blank Amt | Laboratory Fortified Blank Amount Added |
| Lab Fort Blk. Found | Laboratory Fortified Blank Amount Found |
| Lab Fort Blk % Rec | Laboratory Fortified Blank % Recovered |
| Dup Lab Fort Bl Amt | Duplicate Laboratory Fortified Blank Amount Added |
| Dup Lab Fort Bl Fnd | Duplicate Laboratory Fortified Blank Amount Found |
| Dup Lab Fort Bl % Rec | Duplicate Laboratory Fortified Blank % Recovery |
| Lab Fort Blank Range | Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate). |
| Lab Fort Bl. Av. Rec. | Laboratory Fortified Blank Average Recovery |
| Duplicate Sample Amt | Sample Value for Duplicate used with Matrix Spike Duplicate |
| MSD Amount Added | Matrix Spike Duplicate Amount Added (Spiked) |
| MSD Amt Measured | Matrix Spike Duplicate Amount Measured |
| MSD % Recovery | Matrix Spike Duplicate % Recovery |
| MSD Range | Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries |



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 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

CHAIN OF JUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Company Name: LER
 Address: 250 Centerville Road
Building E Suite 12 Warwick, RI
 Attention: Tom Daley
 * Project Location: 176 Sunnyside Ave
 Sampled By: Seth O'Connor

Telephone: (401) 738-3587
 Project #
 Client PO #

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #: 401-732-1686
 Email:
 Format: EXCEL PDF GIS KEY

Proposal Provided? (For Billing purposes)
 yes no proposal date

| Field ID | Sample Description | Lab # | Date Sampled | | Comp- osite | Grab | *Matrix Code |
|----------|--------------------|-------|--------------------|-------------------|----------------|------|--------------|
| | | | Start Date/Time | Stop Date/Time | | | |
| | MW-708-121 | 01878 | 131 | 11/19/04 | X | | S |
| | B-100-4 | 01879 | 1350 | | X | | S |
| | B-200-4 | 01880 | 1410 | | X | | S |
| | B-300-4 | 01881 | 1420 | | X | | S |
| | B-400-4 | 01882 | 1435 | | X | | S |
| | B-500-4 | 01883 | 1455 | | X | | S |
| | B-600-4 | 01884 | 1500 | | X | | S |
| | B-700-4 | 01885 | 1515 | | X | | S |
| | B-800-4 | 01886 | 1530 | | X | | S |
| | B-900-4 | 01887 | 1545 | | X | | S |

Relinquished by: (signature) [Signature]
 Date/Time: 11/20/04 0700
 Received by: (signature) [Signature]
 Date/Time: 11/20/04 0705
 Relinquished by: (signature) [Signature]
 Date/Time: 1-23-04 1030
 Received by: (signature) [Signature]
 Date/Time: 1-23-04 1030

| # of containers | **Preservation | ~Cont. Code | ANALYSIS REQUESTED | Comments: |
|-----------------|----------------|-------------|--------------------|-----------|
| | | | | |
| 1 | | | Lead | |
| 1 | | | VOC 8060 | |
| 1 | | | Arsenic | |
| 1 | | | Beryllium | |
| 1 | | | Dry weight | |

**Matrix Code:
 GW= groundwater
 WW= wastewater
 DW= drinking water
 A= air
 S = soil/solid
 SL = sludge
 O = other

**Preservation Codes:
 I = Ice
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other

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open [Signature]
 12/31/04 1500



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CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
 EAST LONGMEADOW, MA 01028

Company Name: LER
 Address: 250 Centerville Road
Building E Suite 12 Warwick, RI
 Attention: Tom Daley
 Project Location: 176 Sunnyside Ave
 Sampled By: Seth O'Connell

Telephone: (401) 781-3887
 Project # _____
 Client PO # _____

DATA DELIVERY (check one):

FAX EMAIL WEBSITE CLIENT
 Fax #: 401-732-1686

Email: _____
 Format: EXCEL PDF GIS KEY

Proposal Provided? (For Billing purposes)

yes proposal date

| Field ID | Sample Description | Lab # | Date Sampled | | Comp- osite | Grab | *Matrix Code | Detection Limit Requirements Regulations? <u>RI D.C.R.F</u> Data Enhancement Project? <input type="checkbox"/> Y <input type="checkbox"/> N (MA MCP sites only) Special Requirements or DL's: <u>Lowest possible DL</u> | *Matrix Code: GW= groundwater WW= wastewater DW= drinking water A = air S = soil/solid SL = sludge O = other | **Preservation Codes: I = Iced X = Na hydroxide H = HCL T = Na thiosulfate M = Methanol N = Nitric Acid S = Sulfuric Acid B = Sodium bisulfate O = Other | Comments: |
|--|--------------------|-------|--------------------|-------------------|----------------|------|--------------|---|---|---|-----------|
| | | | Start Date/Time | Stop Date/Time | | | | | | | |
| | B-1000-41 | 01888 | 1600 | 11/19/04 | X | | S | X | | | |
| | B-1100-41 | 01889 | 1610 | | X | | S | X | | | |
| | B-1200-41 | 01890 | 1620 | | X | | S | X | | | |
| | B-1300-41 | 01891 | 1645 | | X | | S | X | | | |
| | MW-5 8'-12' | 01892 | 1000 | | X | | S | X | | | |
| | MW-6 8'-12' | 01893 | 1100 | | X | | S | X | | | |
| | MW-5 0'-4' | 01894 | 10:00 | | X | | S | X | | | |
| | MW-6 0'-4' | 01895 | 11:00 | | X | | S | X | | | |
| | MW-7 0'-4' | 01896 | 13:00 | | X | | S | X | | | |
| Relinquished by: (signature) <u>[Signature]</u> Date/Time: <u>1/23/04 0700</u> Received by: (signature) <u>[Signature]</u> Date/Time: <u>1/23/04 0705</u> Relinquished by: (signature) <u>[Signature]</u> Date/Time: <u>1/23/04 1030</u> Received by: (signature) <u>[Signature]</u> Date/Time: <u>1/23/04 1030</u> | | | | | | | | | | | |

| # of containers | **Preservation | ~Cont. Code |
|--------------------|----------------|-------------|
| 1 | None | 1Z |
| ANALYSIS REQUESTED | | |
| Lead | | |
| Arsenic | | |
| VOCs 8260 | | |
| Dry Weir 4f | | |

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 1/23/04 1500
 1/23/04 1500



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REPORT DATE 2/6/2004

LEVINE FRICKE
250 CENTERVILLE RD., BLDG. E, SUITE 12
WARWICK, RI 02886
ATTN: TOM DALEY

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-76640
JOB NUMBER: 081-12140-02

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 176 SUNNYSIDE AVE. WOONSOCKET, RI.

| FIELD SAMPLE # | LAB ID | MATRIX | SAMPLE DESCRIPTION | TEST |
|----------------|----------|------------|--------------------|------------|
| MW-5 | 04B02415 | GRND WATER | NOT SPECIFIED | 8260 water |
| MW-6 | 04B02416 | GRND WATER | NOT SPECIFIED | 8260 water |
| MW-7 | 04B02417 | GRND WATER | NOT SPECIFIED | 8260 water |
| TRIP BLANK | 04B02418 | WATER OTHE | NOT SPECIFIED | 8260 water |

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

| | |
|----------------------|---------------------------------|
| AIHA 100033 | AIHA ELLAP (LEAD) 100033 |
| MASSACHUSETTS MA0100 | NEW HAMPSHIRE 2516 |
| CONNECTICUT PH-0567 | VERMONT DOH (LEAD) No. LL015036 |
| NEW YORK ELAP 10899 | RHODE ISLAND (LIC. No. 112) |

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 2/6/04
SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director



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TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

Purchase Order No.:

2/6/2004
 Page 1 of 13

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.

LIMS-BAT #: LIMS-76640

Date Received: 1/30/2004

Job Number: 081-12140-02

Field Sample #: MW-5

Sample ID: 04B02415

Sampled: 1/29/2004
 NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|-----|
| | | | | | | Lo | Hi | |
| Acetone | ug/l | ND | 02/05/04 | MFF | 50.0 | | | |
| Acrolein | ug/l | ND | 02/05/04 | MFF | 100. | | | |
| Acrylonitrile | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| tert-Amylmethyl Ether | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Benzene | ug/l | 5.6 | 02/05/04 | MFF | 3.0 | | | |
| Bromobenzene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Bromochloromethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| Bromodichloromethane | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Bromomethane | ug/l | ND | 02/05/04 | MFF | 6.0 | | | |
| Bromoform | ug/l | ND | 02/05/04 | MFF | 6.0 | | | |
| 2-Butanone (MEK) | ug/l | ND | 02/05/04 | MFF | 50.0 | | | |
| tert-Butyl Alcohol | ug/l | ND | 02/05/04 | MFF | 100. | | | |
| n-Butylbenzene | ug/l | 4.0 | 02/05/04 | MFF | 3.5 | | | |
| sec-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| tert-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| tert-Butylethyl Ether | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Carbon Disulfide | ug/l | ND | 02/05/04 | MFF | 15.0 | | | |
| Carbon Tetrachloride | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Chlorobenzene | ug/l | 14.3 | 02/05/04 | MFF | 3.0 | | | |
| Chlorodibromomethane | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Chloroethane | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| 2-Chloroethylvinylether | ug/l | ND | 02/05/04 | MFF | 48.0 | | | |
| Chloroform | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Chloromethane | ug/l | ND | 02/05/04 | MFF | 6.0 | | | |
| 2-Chlorotoluene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| 4-Chlorotoluene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| 1,2-Dibromo-3-Chloropropane | ug/l | ND | 02/05/04 | MFF | 8.0 | | | |
| 1,2-Dibromoethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| Dibromomethane | ug/l | ND | 02/05/04 | MFF | 5.5 | | | |
| 1,2-Dichlorobenzene | ug/l | 44.2 | 02/05/04 | MFF | 4.0 | | | |

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.
 Date Received: 1/30/2004
 Field Sample #: MW-5

LIMS-BAT #: LIMS-76640
 Job Number: 081-12140-02

Sample ID: 04B02415 Sampled: 1/29/2004
 NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|-----|
| | | | | | | Lo | Hi | |
| 1,3-Dichlorobenzene | ug/l | 128. | 02/05/04 | MFF | 3.0 | | | |
| 1,4-Dichlorobenzene | ug/l | 313. | 02/05/04 | MFF | 4.0 | | | |
| cis-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 12.0 | | | |
| trans-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 10.5 | | | |
| Dichlorodifluoromethane | ug/l | ND | 02/05/04 | MFF | 5.0 | | | |
| 1,1-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,2-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 4.5 | | | |
| 1,1-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| cis-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| trans-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| 1,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| 1,3-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| 2,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 4.5 | | | |
| 1,1-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| cis-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| trans-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Diethyl Ether | ug/l | ND | 02/05/04 | MFF | 10.0 | | | |
| Diisopropyl Ether | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| 1,4-Dioxane | ug/l | ND | 02/05/04 | MFF | 250. | | | |
| Ethyl Benzene | ug/l | 1440. | 02/05/04 | MFF | 3.0 | | | |
| Ethyl Methacrylate | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Hexachlorobutadiene | ug/l | ND | 02/05/04 | MFF | 6.5 | | | |
| 2-Hexanone | ug/l | ND | 02/05/04 | MFF | 48.5 | | | |
| Iodomethane | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Isopropylbenzene | ug/l | 11.0 | 02/05/04 | MFF | 2.0 | | | |
| p-Isopropyltoluene | ug/l | 10.8 | 02/05/04 | MFF | 3.5 | | | |
| MTBE | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Methylene Chloride | ug/l | ND | 02/05/04 | MFF | 15.0 | | | |
| MIBK | ug/l | ND | 02/05/04 | MFF | 44.0 | | | |
| Naphthalene | ug/l | 6.8 | 02/05/04 | MFF | 5.0 | | | |

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 NM = Not Measured

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2/6/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.
 Date Received: 1/30/2004
 Field Sample #: MW-6

LIMS-BAT #: LIMS-76640
 Job Number: 081-12140-02

Sample ID: 04B02416 Sampled: 1/29/2004
 NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|-----|
| | | | | | | Lo | Hi | |
| Acetone | ug/l | ND | 02/05/04 | MFF | 50.0 | | | |
| Acrolein | ug/l | ND | 02/05/04 | MFF | 100. | | | |
| Acrylonitrile | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| tert-Amylmethyl Ether | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Benzene | ug/l | 32.4 | 02/05/04 | MFF | 3.0 | | | |
| Bromobenzene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Bromochloromethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| Bromodichloromethane | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Bromomethane | ug/l | ND | 02/05/04 | MFF | 6.0 | | | |
| Bromoform | ug/l | ND | 02/05/04 | MFF | 6.0 | | | |
| 2-Butanone (MEK) | ug/l | ND | 02/05/04 | MFF | 50.0 | | | |
| tert-Butyl Alcohol | ug/l | ND | 02/05/04 | MFF | 100. | | | |
| n-Butylbenzene | ug/l | 7.6 | 02/05/04 | MFF | 3.5 | | | |
| sec-Butylbenzene | ug/l | 4.5 | 02/05/04 | MFF | 3.0 | | | |
| tert-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| tert-Butylethyl Ether | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Carbon Disulfide | ug/l | ND | 02/05/04 | MFF | 15.0 | | | |
| Carbon Tetrachloride | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Chlorobenzene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| Chlorodibromomethane | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Chloroethane | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| 2-Chloroethylvinylether | ug/l | ND | 02/05/04 | MFF | 48.0 | | | |
| Chloroform | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Chloromethane | ug/l | ND | 02/05/04 | MFF | 6.0 | | | |
| 2-Chlorotoluene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| 4-Chlorotoluene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| 1,2-Dibromo-3-Chloropropane | ug/l | ND | 02/05/04 | MFF | 8.0 | | | |
| 1,2-Dibromoethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| Dibromomethane | ug/l | ND | 02/05/04 | MFF | 5.5 | | | |
| 1,2-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.
 Date Received: 1/30/2004
 Field Sample #: MW-6

LIMS-BAT #: LIMS-76640
 Job Number: 081-12140-02

Sample ID : 04B02416 Sampled : 1/29/2004
 NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/ F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|------|
| | | | | | | Lo | Hi | |
| 1,3-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| 1,4-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| cis-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 12.0 | | | |
| trans-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 10.5 | | | |
| Dichlorodifluoromethane | ug/l | ND | 02/05/04 | MFF | 5.0 | | | |
| 1,1-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,2-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 4.5 | | | |
| 1,1-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| cis-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| trans-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| 1,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| 1,3-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| 2,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 4.5 | | | |
| 1,1-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| cis-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| trans-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Diethyl Ether | ug/l | ND | 02/05/04 | MFF | 10.0 | | | |
| Diisopropyl Ether | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| 1,4-Dioxane | ug/l | ND | 02/05/04 | MFF | 250. | | | |
| Ethyl Benzene | ug/l | 12900. | 02/05/04 | MFF | 3.0 | | | |
| Ethyl Methacrylate | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Hexachlorobutadiene | ug/l | ND | 02/05/04 | MFF | 6.5 | | | |
| 2-Hexanone | ug/l | ND | 02/05/04 | MFF | 48.5 | | | |
| Iodomethane | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Isopropylbenzene | ug/l | 235. | 02/05/04 | MFF | 2.0 | | | |
| p-Isopropyltoluene | ug/l | 8.2 | 02/05/04 | MFF | 3.5 | | | |
| MTBE | ug/l | ND | 02/05/04 | MFF | 4.0 | | | |
| Methylene Chloride | ug/l | ND | 02/05/04 | MFF | 15.0 | | | |
| MIBK | ug/l | ND | 02/05/04 | MFF | 44.0 | | | |
| Naphthalene | ug/l | 99.0 | 02/05/04 | MFF | 5.0 | | | |

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TOM DALEY

LEVINE FRICKE

250 CENTERVILLE RD., BLDG. E, SUITE 12

WARWICK, RI 02886

Purchase Order No.:

2/6/2004

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Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.

Date Received: 1/30/2004

Field Sample #: MW-6

LIMS-BAT #: LIMS-76640

Job Number: 081-12140-02

Sample ID: 04B02416

Sampled: 1/29/2004

NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|-----|
| | | | | | | Lo | Hi | |
| n-Propylbenzene | ug/l | 85.2 | 02/05/04 | MFF | 4.0 | | | |
| Styrene | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,1,1,2-Tetrachloroethane | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| 1,1,1,2,2-Tetrachloroethane | ug/l | ND | 02/05/04 | MFF | 2.5 | | | |
| Tetrachloroethylene | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Tetrahydrofuran | ug/l | ND | 02/05/04 | MFF | 25.0 | | | |
| Toluene | ug/l | 3400. | 02/05/04 | MFF | 3.5 | | | |
| 1,2,3-Trichlorobenzene | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,2,4-Trichlorobenzene | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,1,1-Trichloroethane | ug/l | ND | 02/05/04 | MFF | 4.5 | | | |
| 1,1,2-Trichloroethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| Trichloroethylene | ug/l | ND | 02/05/04 | MFF | 5.0 | | | |
| Trichlorofluoromethane | ug/l | ND | 02/05/04 | MFF | 3.5 | | | |
| 1,2,3-Trichloropropane | ug/l | ND | 02/05/04 | MFF | 6.5 | | | |
| 1,2,4-Trimethylbenzene | ug/l | 550. | 02/05/04 | MFF | 3.5 | | | |
| 1,3,5-Trimethylbenzene | ug/l | 246. | 02/05/04 | MFF | 5.0 | | | |
| Vinyl Acetate | ug/l | ND | 02/05/04 | MFF | 82.0 | | | |
| Vinyl Chloride | ug/l | ND | 02/05/04 | MFF | 1.5 | | | |
| m + p Xylene | ug/l | 39900. | 02/05/04 | MFF | 6.5 | | | |
| o-Xylene | ug/l | 17200. | 02/05/04 | MFF | 2.5 | | | |

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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 WARWICK, RI 02886

2/6/2004
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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.

LIMS-BAT #: LIMS-76640
 Job Number: 081-12140-02

Date Received: 1/30/2004

Field Sample #: MW-7

Sample ID : 04B02417

Sampled : 1/29/2004
 NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P / F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|-------|
| | | | | | | Lo | Hi | |
| Acetone | ug/l | ND | 02/05/04 | MFF | 10.0 | | | |
| Acrolein | ug/l | ND | 02/05/04 | MFF | 20.0 | | | |
| Acrylonitrile | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| tert-Amylmethyl Ether | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Benzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| Bromobenzene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Bromochloromethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| Bromodichloromethane | ug/l | ND | 02/05/04 | MFF | 0.4 | | | |
| Bromomethane | ug/l | ND | 02/05/04 | MFF | 1.2 | | | |
| Bromoform | ug/l | ND | 02/05/04 | MFF | 1.2 | | | |
| 2-Butanone (MEK) | ug/l | ND | 02/05/04 | MFF | 10.0 | | | |
| tert-Butyl Alcohol | ug/l | ND | 02/05/04 | MFF | 20.0 | | | |
| n-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| sec-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| tert-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| tert-Butylethyl Ether | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Carbon Disulfide | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| Carbon Tetrachloride | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Chlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| Chlorodibromomethane | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Chloroethane | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| 2-Chloroethylvinylether | ug/l | ND | 02/05/04 | MFF | 9.6 | | | |
| Chloroform | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Chloromethane | ug/l | ND | 02/05/04 | MFF | 1.2 | | | |
| 2-Chlorotoluene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 4-Chlorotoluene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 1,2-Dibromo-3-Chloropropane | ug/l | ND | 02/05/04 | MFF | 1.6 | | | |
| 1,2-Dibromoethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| Dibromomethane | ug/l | ND | 02/05/04 | MFF | 1.1 | | | |
| 1,2-Dichlorobenzene | ug/l | 1.5 | 02/05/04 | MFF | 0.8 | | | |

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2/6/2004
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Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.
 Date Received: 1/30/2004
 Field Sample #: MW-7

LIMS-BAT #: LIMS-76640
 Job Number: 081-12140-02

Sample ID: 04B02417
 Sampled: 1/29/2004
 NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P / F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|-------|
| | | | | | | Lo | Hi | |
| 1,3-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 1,4-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| cis-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 2.4 | | | |
| trans-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 2.1 | | | |
| Dichlorodifluoromethane | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |
| 1,1-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,2-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 0.9 | | | |
| 1,1-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| cis-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| trans-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| 1,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 1,3-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| 2,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 0.9 | | | |
| 1,1-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| cis-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| trans-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 0.4 | | | |
| Diethyl Ether | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Diisopropyl Ether | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| 1,4-Dioxane | ug/l | ND | 02/05/04 | MFF | 50.0 | | | |
| Ethyl Benzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| Ethyl Methacrylate | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Hexachlorobutadiene | ug/l | ND | 02/05/04 | MFF | 1.3 | | | |
| 2-Hexanone | ug/l | ND | 02/05/04 | MFF | 9.7 | | | |
| Iodomethane | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Isopropylbenzene | ug/l | ND | 02/05/04 | MFF | 0.4 | | | |
| p-Isopropyltoluene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| MTBE | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Methylene Chloride | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| MIBK | ug/l | ND | 02/05/04 | MFF | 8.8 | | | |
| Naphthalene | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |

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Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.

LIMS-BAT #: LIMS-76640
 Job Number: 081-12140-02

Date Received: 1/30/2004

Field Sample #: MW-7

Sample ID: 04B02417

Sampled: 1/29/2004
 NOT SPECIFIED

Sample Matrix: GRND WATER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/F |
|---------------------------|-------|---------|---------------|---------|------|------------|----|-----|
| | | | | | | Lo | Hi | |
| n-Propylbenzene | ug/l | 0.9 | 02/05/04 | MFF | 0.8 | | | |
| Styrene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,1,1,2-Tetrachloroethane | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| 1,1,2,2-Tetrachloroethane | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Tetrachloroethylene | ug/l | 0.8 | 02/05/04 | MFF | 0.4 | | | |
| Tetrahydrofuran | ug/l | ND | 02/05/04 | MFF | 5.0 | | | |
| Toluene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,2,3-Trichlorobenzene | ug/l | 80.9 | 02/05/04 | MFF | 0.7 | | | |
| 1,2,4-Trichlorobenzene | ug/l | 50.2 | 02/05/04 | MFF | 0.7 | | | |
| 1,1,1-Trichloroethane | ug/l | ND | 02/05/04 | MFF | 0.9 | | | |
| 1,1,2-Trichloroethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| Trichloroethylene | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |
| Trichlorofluoromethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,2,3-Trichloropropane | ug/l | ND | 02/05/04 | MFF | 1.3 | | | |
| 1,2,4-Trimethylbenzene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,3,5-Trimethylbenzene | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |
| Vinyl Acetate | ug/l | ND | 02/05/04 | MFF | 16.4 | | | |
| Vinyl Chloride | ug/l | ND | 02/05/04 | MFF | 0.3 | | | |
| m + p Xylene | ug/l | ND | 02/05/04 | MFF | 1.3 | | | |
| o-Xylene | ug/l | 1.1 | 02/05/04 | MFF | 0.5 | | | |

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



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TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

2/6/2004
 Page 10 of 13

Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.
 Date Received: 1/30/2004
 Field Sample #: TRIP BLANK

LIMS-BAT #: LIMS-76640
 Job Number: 081-12140-02

Sample ID : 04B02418 Sampled : 1/29/2004
 NOT SPECIFIED

Sample Matrix: WATER OTHER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/ F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|------|
| | | | | | | Lo | Hi | |
| Acetone | ug/l | ND | 02/05/04 | MFF | 10.0 | | | |
| Acrolein | ug/l | ND | 02/05/04 | MFF | 20.0 | | | |
| Acrylonitrile | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| tert-Amylmethyl Ether | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Benzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| Bromobenzene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Bromochloromethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| Bromodichloromethane | ug/l | ND | 02/05/04 | MFF | 0.4 | | | |
| Bromomethane | ug/l | ND | 02/05/04 | MFF | 1.2 | | | |
| Bromoform | ug/l | ND | 02/05/04 | MFF | 1.2 | | | |
| 2-Butanone (MEK) | ug/l | ND | 02/05/04 | MFF | 10.0 | | | |
| tert-Butyl Alcohol | ug/l | ND | 02/05/04 | MFF | 20.0 | | | |
| n-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| sec-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| tert-Butylbenzene | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| tert-Butylethyl Ether | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Carbon Disulfide | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| Carbon Tetrachloride | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Chlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| Chlorodibromomethane | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| Chloroethane | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| 2-Chloroethylvinylether | ug/l | ND | 02/05/04 | MFF | 9.6 | | | |
| Chloroform | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Chloromethane | ug/l | ND | 02/05/04 | MFF | 1.2 | | | |
| 2-Chlorotoluene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 4-Chlorotoluene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 1,2-Dibromo-3-Chloropropane | ug/l | ND | 02/05/04 | MFF | 1.6 | | | |
| 1,2-Dibromoethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| Dibromomethane | ug/l | ND | 02/05/04 | MFF | 1.1 | | | |
| 1,2-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |

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* = See end of report for comments and notes applying to this sample



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TOM DALEY
 LEVINE FRICKE
 250 CENTERVILLE RD., BLDG. E, SUITE 12
 WARWICK, RI 02886

2/6/2004
 Page 11 of 13

Purchase Order No.:

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.

LIMS-BAT #: LIMS-76640

Date Received: 1/30/2004

Job Number: 081-12140-02

Field Sample #: TRIP BLANK

Sample ID: 04B02418

Sampled: 1/29/2004
 NOT SPECIFIED

Sample Matrix: WATER OTHER

| | Units | Results | Date Analyzed | Analyst | RL | SPEC Limit | | P/ F |
|-----------------------------|-------|---------|---------------|---------|------|------------|----|------|
| | | | | | | Lo | Hi | |
| 1,3-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 1,4-Dichlorobenzene | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| cis-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 2.4 | | | |
| trans-1,4-Dichloro-2-Butene | ug/l | ND | 02/05/04 | MFF | 2.1 | | | |
| Dichlorodifluoromethane | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |
| 1,1-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| 1,2-Dichloroethane | ug/l | ND | 02/05/04 | MFF | 0.9 | | | |
| 1,1-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| cis-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| trans-1,2-Dichloroethylene | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| 1,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| 1,3-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| 2,2-Dichloropropane | ug/l | ND | 02/05/04 | MFF | 0.9 | | | |
| 1,1-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| cis-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| trans-1,3-Dichloropropene | ug/l | ND | 02/05/04 | MFF | 0.4 | | | |
| Diethyl Ether | ug/l | ND | 02/05/04 | MFF | 2.0 | | | |
| Diisopropyl Ether | ug/l | ND | 02/05/04 | MFF | 0.5 | | | |
| 1,4-Dioxane | ug/l | ND | 02/05/04 | MFF | 50.0 | | | |
| Ethyl Benzene | ug/l | ND | 02/05/04 | MFF | 0.6 | | | |
| Ethyl Methacrylate | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Hexachlorobutadiene | ug/l | ND | 02/05/04 | MFF | 1.3 | | | |
| 2-Hexanone | ug/l | ND | 02/05/04 | MFF | 9.7 | | | |
| Iodomethane | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Isopropylbenzene | ug/l | ND | 02/05/04 | MFF | 0.4 | | | |
| p-Isopropyltoluene | ug/l | ND | 02/05/04 | MFF | 0.7 | | | |
| MTBE | ug/l | ND | 02/05/04 | MFF | 0.8 | | | |
| Methylene Chloride | ug/l | ND | 02/05/04 | MFF | 3.0 | | | |
| MIBK | ug/l | ND | 02/05/04 | MFF | 8.8 | | | |
| Naphthalene | ug/l | ND | 02/05/04 | MFF | 1.0 | | | |

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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TOM DALEY

LEVINE FRICKE

250 CENTERVILLE RD., BLDG. E, SUITE 12

WARWICK, RI 02886

Purchase Order No.:

2/6/2004

Page 13 of 13

Project Location: 176 SUNNYSIDE AVE. WOONSOCKET, RI.

Date Received: 1/30/2004

LIMS-BAT #: LIMS-76640

Job Number: 081-12140-02

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/6/2004

Lims Bat #: LIMS-76640

Page 1 of 4

QC Batch Number: GCMS/VOL-9366

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|--------------------|----------------------------|--------------------|--------|-------|--------|
| 04B02415 | 1,2-Dichloroethane-d4 | Surrogate Recovery | 112.0 | % | 70-130 |
| | Toluene-d8 | Surrogate Recovery | 100.2 | % | 70-130 |
| | Bromofluorobenzene | Surrogate Recovery | 93.2 | % | 70-130 |
| 04B02416 | 1,2-Dichloroethane-d4 | Surrogate Recovery | 109.6 | % | 70-130 |
| | Toluene-d8 | Surrogate Recovery | 102.0 | % | 70-130 |
| | Bromofluorobenzene | Surrogate Recovery | 99.4 | % | 70-130 |
| 04B02417 | 1,2-Dichloroethane-d4 | Surrogate Recovery | 111.1 | % | 70-130 |
| | Toluene-d8 | Surrogate Recovery | 101.7 | % | 70-130 |
| | Bromofluorobenzene | Surrogate Recovery | 92.9 | % | 70-130 |
| 04B02418 | 1,2-Dichloroethane-d4 | Surrogate Recovery | 109.9 | % | 70-130 |
| | Toluene-d8 | Surrogate Recovery | 99.3 | % | 70-130 |
| | Bromofluorobenzene | Surrogate Recovery | 84.1 | % | 70-130 |
| BLANK-57405 | Acetone | Blank | <10.0 | ug/l | |
| | Benzene | Blank | <0.6 | ug/l | |
| | Carbon Tetrachloride | Blank | <0.5 | ug/l | |
| | Chloroform | Blank | <0.8 | ug/l | |
| | 1,2-Dichloroethane | Blank | <0.9 | ug/l | |
| | 1,4-Dichlorobenzene | Blank | <0.8 | ug/l | |
| | Ethyl Benzene | Blank | <0.6 | ug/l | |
| | 2-Butanone (MEK) | Blank | <10.0 | ug/l | |
| | MIBK | Blank | <8.8 | ug/l | |
| | Naphthalene | Blank | <1.0 | ug/l | |
| | Styrene | Blank | <0.7 | ug/l | |
| | Tetrachloroethylene | Blank | <0.4 | ug/l | |
| | Toluene | Blank | <0.7 | ug/l | |
| | 1,1,1-Trichloroethane | Blank | <0.9 | ug/l | |
| | Trichloroethylene | Blank | <1.0 | ug/l | |
| | Trichlorofluoromethane | Blank | <0.7 | ug/l | |
| | o-Xylene | Blank | <0.5 | ug/l | |
| | m + p Xylene | Blank | <1.3 | ug/l | |
| | 1,2-Dichlorobenzene | Blank | <0.8 | ug/l | |
| | 1,3-Dichlorobenzene | Blank | <0.6 | ug/l | |
| | 1,1-Dichloroethane | Blank | <0.7 | ug/l | |
| | 1,1-Dichloroethylene | Blank | <0.6 | ug/l | |
| | 1,4-Dioxane | Blank | <50.0 | ug/l | |
| | MTBE | Blank | <0.8 | ug/l | |
| | trans-1,2-Dichloroethylene | Blank | <0.8 | ug/l | |
| | Vinyl Chloride | Blank | <0.3 | ug/l | |
| Methylene Chloride | Blank | <3.0 | ug/l | | |



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/6/2004

Lims Bat #: LIMS-76640

Page 2 of 4

QC Batch Number: GCMS/VOL-9366

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|-------------|-----------------------------|-------------|--------|-------|--------|
| BLANK-57405 | Chlorobenzene | Blank | <0.6 | ug/l | |
| | Chloromethane | Blank | <1.2 | ug/l | |
| | Bromomethane | Blank | <1.2 | ug/l | |
| | Chloroethane | Blank | <0.8 | ug/l | |
| | cis-1,3-Dichloropropene | Blank | <0.5 | ug/l | |
| | trans-1,3-Dichloropropene | Blank | <0.4 | ug/l | |
| | Chlorodibromomethane | Blank | <0.5 | ug/l | |
| | 1,1,2-Trichloroethane | Blank | <0.7 | ug/l | |
| | 2-Chloroethylvinylether | Blank | <9.6 | ug/l | |
| | Bromoform | Blank | <1.2 | ug/l | |
| | 1,1,2,2-Tetrachloroethane | Blank | <0.5 | ug/l | |
| | 2-Chlorotoluene | Blank | <0.6 | ug/l | |
| | Hexachlorobutadiene | Blank | <1.3 | ug/l | |
| | Isopropylbenzene | Blank | <0.4 | ug/l | |
| | p-Isopropyltoluene | Blank | <0.7 | ug/l | |
| | n-Propylbenzene | Blank | <0.8 | ug/l | |
| | sec-Butylbenzene | Blank | <0.6 | ug/l | |
| | tert-Butylbenzene | Blank | <0.8 | ug/l | |
| | 1,2,3-Trichlorobenzene | Blank | <0.7 | ug/l | |
| | 1,2,4-Trichlorobenzene | Blank | <0.7 | ug/l | |
| | 1,2,4-Trimethylbenzene | Blank | <0.7 | ug/l | |
| | 1,3,5-Trimethylbenzene | Blank | <1.0 | ug/l | |
| | Dibromomethane | Blank | <1.1 | ug/l | |
| | cis-1,2-Dichloroethylene | Blank | <0.5 | ug/l | |
| | 4-Chlorotoluene | Blank | <0.6 | ug/l | |
| | 1,1-Dichloropropene | Blank | <0.5 | ug/l | |
| | 1,2-Dichloropropane | Blank | <0.6 | ug/l | |
| | 1,3-Dichloropropane | Blank | <0.5 | ug/l | |
| | 2,2-Dichloropropane | Blank | <0.9 | ug/l | |
| | 1,1,1,2-Tetrachloroethane | Blank | <0.5 | ug/l | |
| | 1,2,3-Trichloropropane | Blank | <1.3 | ug/l | |
| | n-Butylbenzene | Blank | <0.7 | ug/l | |
| | Dichlorodifluoromethane | Blank | <1.0 | ug/l | |
| | Bromochloromethane | Blank | <0.7 | ug/l | |
| | Bromobenzene | Blank | <0.5 | ug/l | |
| | Iodomethane | Blank | <0.8 | ug/l | |
| | Acrolein | Blank | <20.0 | ug/l | |
| | Acrylonitrile | Blank | <0.5 | ug/l | |
| | Carbon Disulfide | Blank | <3.0 | ug/l | |
| | Vinyl Acetate | Blank | <16.4 | ug/l | |
| | 2-Hexanone | Blank | <9.7 | ug/l | |
| | trans-1,4-Dichloro-2-Butene | Blank | <2.1 | ug/l | |
| | Ethyl Methacrylate | Blank | <0.8 | ug/l | |



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/6/2004

Lims Bat #: LIMS-76640

Page 3 of 4

QC Batch Number: GCMS/VOL-9366

| Sample Id | Analysis | QC Analysis | Values | Units | Limits |
|-------------|-----------------------------|-------------|--------|-------|--------|
| BLANK-57405 | cis-1,4-Dichloro-2-Butene | Blank | <2.4 | ug/l | |
| | Diethyl Ether | Blank | <2.0 | ug/l | |
| | Bromodichloromethane | Blank | <0.4 | ug/l | |
| | 1,2-Dibromo-3-Chloropropane | Blank | <1.6 | ug/l | |
| | 1,2-Dibromoethane | Blank | <0.7 | ug/l | |
| | Tetrahydrofuran | Blank | <5.0 | ug/l | |
| | tert-Butyl Alcohol | Blank | <20.0 | ug/l | |
| | Diisopropyl Ether | Blank | <0.5 | ug/l | |
| | tert-Butylethyl Ether | Blank | <0.5 | ug/l | |
| | tert-Amylmethyl Ether | Blank | <0.5 | ug/l | |



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/6/2004

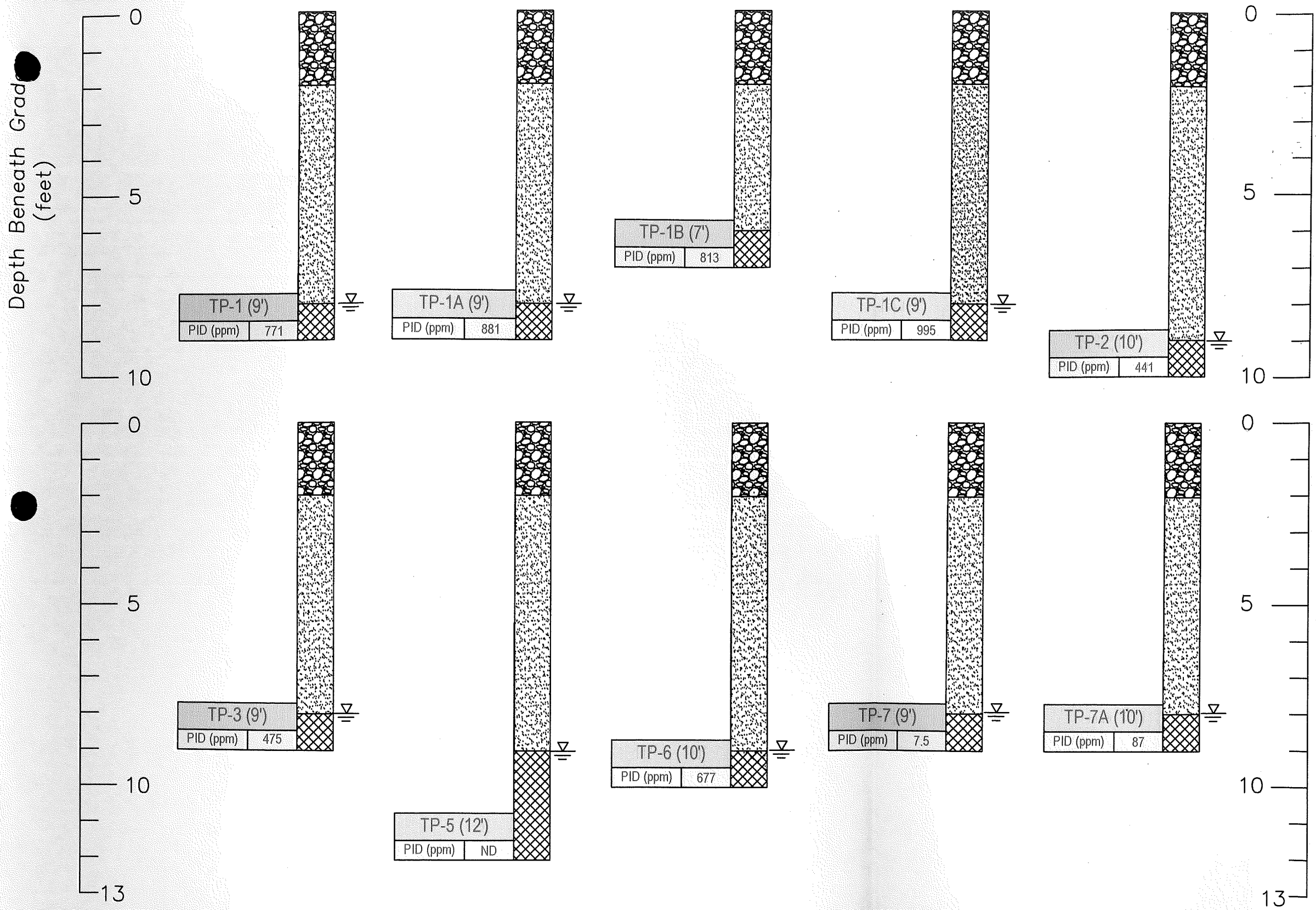
Lims Bat #: LIMS-76640

Page 4 of 4

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

| | |
|-----------------------|--|
| QC BATCH NUMBER | This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data. |
| LIMITS | Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined. |
| Sample Amount | Amount of analyte found in a sample. |
| Blank | Method Blank that has been taken though all the steps of the analysis. |
| LFBLANK | Laboratory Fortified Blank (a control sample) |
| STDADD | Standard Added (a laboratory control sample) |
| Matrix Spk Amt Added | Amount of analyte spiked into a sample |
| MS Amt Measured | Amount of analyte found including amount that was spiked |
| Matrix Spike % Rec. | % Recovery of spiked amount in sample. |
| Duplicate Value | The result from the Duplicate analysis of the sample. |
| Duplicate RPD | The Relative Percent Difference between two Duplicate Analyses. |
| Surrogate Recovery | The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods. |
| Sur. Recovery (ELCD) | Surrogate Recovery on the Electrolytic Conductivity Detector. |
| Sur. Recovery (PID) | Surrogate Recovery on the Photoionization Detector. |
| Standard Measured | Amount measured for a laboratory control sample |
| Standard Amt Added | Known value for a laboratory control sample |
| Standard % Recovery | % recovered for a laboratory control sample with a known value. |
| Lab Fort Blank Amt | Laboratory Fortified Blank Amount Added |
| Lab Fort Blk. Found | Laboratory Fortified Blank Amount Found |
| Lab Fort Blk % Rec | Laboratory Fortified Blank % Recovered |
| Dup Lab Fort Bl Amt | Duplicate Laboratory Fortified Blank Amount Added |
| Dup Lab Fort Bl Fnd | Duplicate Laboratory Fortified Blank Amount Found |
| Dup Lab Fort Bl % Rec | Duplicate Laboratory Fortified Blank % Recovery |
| Lab Fort Blank Range | Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate). |
| Lab Fort Bl. Av. Rec. | Laboratory Fortified Blank Average Recovery |
| Duplicate Sample Amt | Sample Value for Duplicate used with Matrix Spike Duplicate |
| MSD Amount Added | Matrix Spike Duplicate Amount Added (Spiked) |
| MSD Amt Measured | Matrix Spike Duplicate Amount Measured |
| MSD % Recovery | Matrix Spike Duplicate % Recovery |
| MSD Range | Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries |

Appendix G
Test Pit Logs



| Symbol | Soil Description |
|--------|--|
| | Sand: Sand slightly silty, wet, gray, brown, fine to coarse gravel. |
| | Gravel: Course to medium gravel, medium to coarse sands, tan |
| | Petroleum Impacted: Silty sand, gray, black, strong petroleum odor and staining. |

Legend:

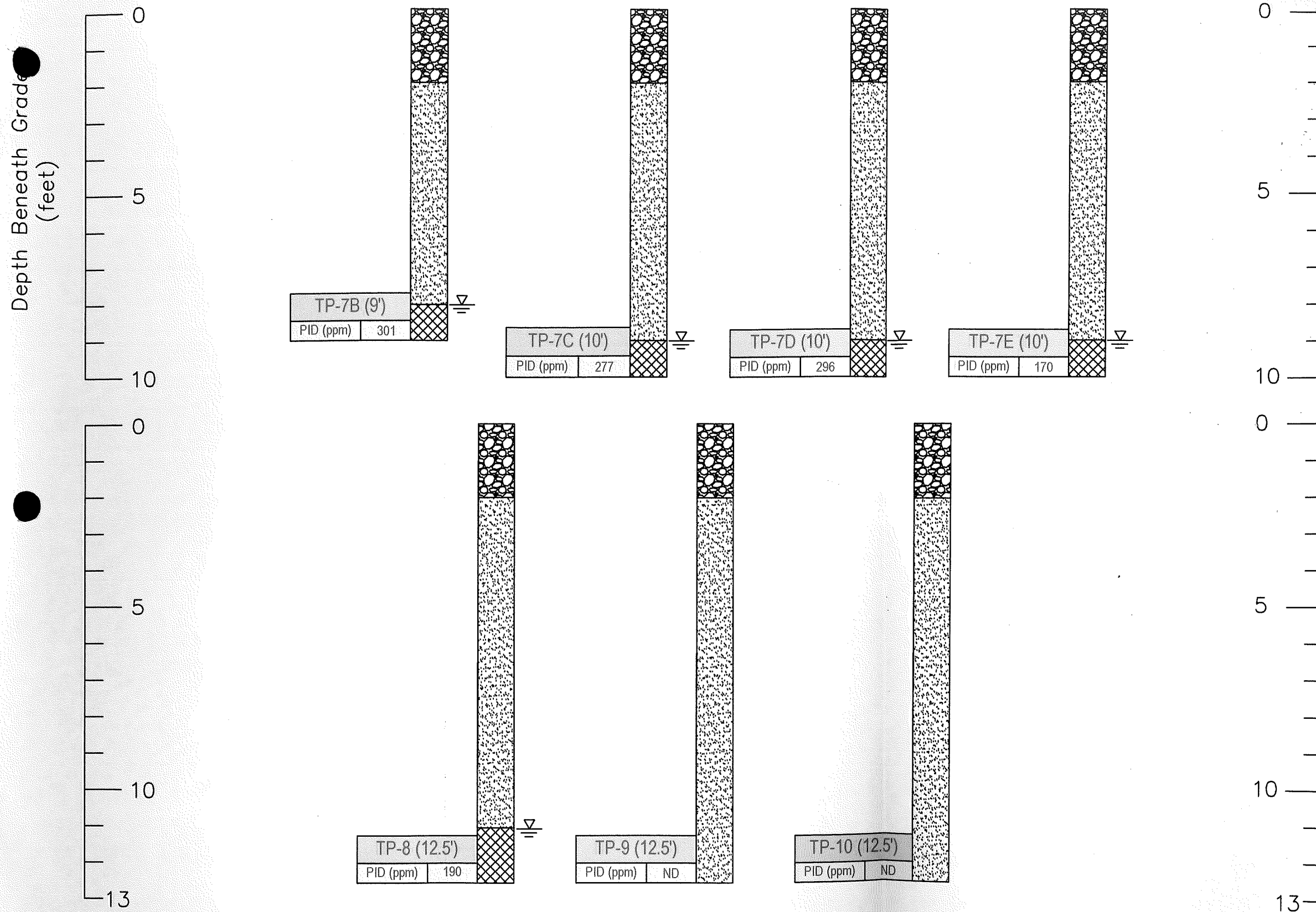
- Groundwater level, as measured during investigation.
- TP-1 (9') Sample identification
- PID = 366 Photo-ionization detector (PID) readings in parts per million (ppm)
- ND Not Detected

- Notes:
1. Test Pits were completed using a back hoe on December 22, 2004.
 2. Groundwater measurements were estimated based upon visual observation of the excavation.
 3. Head space organic vapor measurements were taken using a PID with a 10.2 eV lamp.
 5. AEG field representative was Jacob Butterworth.

Alliance Environmental Group, Inc.
 100 Jefferson Boulevard,
 Warwick RI 02888
 Telephone: 401.732.7600
 Fax: 401.732.7670

SCALE:
 NOT TO SCALE

TEST PIT LOGS (TP-1 through TP-7A)
 176 SUNNYSIDE AVENUE, WOONSOCKET, RI
 AEG PROJECT No. 1415-02



| Symbol | Soil Description |
|-----------|--|
| | Sand: Sand slightly silty, wet, gray, brown, fine to coarse gravel. |
| | Gravel: Course to medium gravel, medium to coarse sands, tan |
| | Petroleum Impacted: Silty sand, gray, black, strong petroleum odor and staining. |
| Legend: | |
| | Groundwater level, as measured during investigation. |
| TP-1 (9') | Sample identification |
| PID = 366 | Photo-ionization detector (PID) readings in parts per million (ppm) |
| ND | Not Detected |

Notes:

1. Test Pits were completed using a back hoe on December 22, 2004.
2. Groundwater measurements were estimated based upon visual observation of the excavation.
3. Head space organic vapor measurements were taken using a PID with a 10.2 eV lamp.
5. AEG field representative was Jacob Butterworth.

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100 Jefferson Boulevard,
Warwick RI 02888
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PAGE 2 OF 2

SCALE:

NOT TO SCALE

TEST PIT LOGS (TP-7B through TP-10)
176 SUNNYSIDE AVENUE, WOONSOCKET, RI
AEG PROJECT No. 1415-02

File: TestPitLogs.dwg

Drawn by: JHB

Checked by: RCH