

**REPORT**

**Phase I  
Focused Remedial Investigation**

**ITT Sealectro  
Mamaroneck, NY**

**August 1992**



**O'BRIEN & GERE**  
ENGINEERS, INC.

**PHASE I FOCUSED REMEDIAL INVESTIGATION**

**ITT SEAELECTRO  
MAMARONECK, NEW YORK**

**AUGUST 1992**

**O'BRIEN & GERE ENGINEERS, INC.  
5000 BRITTONFIELD PARKWAY  
SYRACUSE, NEW YORK 13221**

## TABLE OF CONTENTS

|                                                               | <u>Page</u> |
|---------------------------------------------------------------|-------------|
| SECTION 1 - INTRODUCTION                                      | 1           |
| 1.01 Introduction                                             | 1           |
| 1.02 Report Organization                                      | 2           |
| 1.03 Site Setting                                             | 3           |
| 1.04 Site Background and History                              | 4           |
| 1.05 Previous Studies                                         | 8           |
| 1.05.01 Site Assessment                                       | 9           |
| 1.05.02 Environmental Assessment                              | 10          |
| 1.05.03 Sampling Program                                      | 11          |
| 1.05.04 Environmental Investigation                           | 11          |
| SECTION 2 - STUDY AREA INVESTIGATION                          | 13          |
| 2.01 Soil Sampling and Analysis Plan                          | 13          |
| 2.02 Ground Water Sampling and Analysis Plan                  | 17          |
| 2.02.01 Ground Water Sampling and Analyses                    | 20          |
| 2.03 Hydraulic Conductivity Tests                             | 22          |
| 2.04 Surface and Ground Water Elevation Monitoring Plan       | 23          |
| 2.05 Surface Water and Sediment Sampling Plan                 | 23          |
| SECTION 3 - PHYSICAL CHARACTERISTICS OF THE STUDY AREA        | 25          |
| 3.01 Meteorology                                              | 25          |
| 3.02 Regional Geology and Hydrogeology                        | 25          |
| 3.03 Site Geology and Hydrogeology                            | 27          |
| 3.03.01 Site Geology                                          | 27          |
| 3.03.02 Site Hydrogeology                                     | 28          |
| 3.03.03 Shallow Ground Flow                                   | 29          |
| 3.03.04 Deep Ground Water Flow                                | 30          |
| 3.03.05 Vertical Ground Water Flow and Storm Water Monitoring | 31          |
| SECTION 4 - ANALYTICAL RESULTS                                | 32          |
| 4.01 Data Validation Summary                                  | 32          |
| 4.02 Soil Chemistry                                           | 33          |
| 4.02.01 Drum Storage Pad Area                                 | 33          |
| 4.02.02 Underground Storage Tank Area                         | 35          |
| 4.02.03 Wastewater Treatment Area                             | 38          |
| 4.02.04 Fuel Oil Underground Storage Tank Area                | 39          |
| 4.03 Ground Water Analyses                                    | 40          |

**TABLE OF CONTENTS**  
**(Continued)**

|                                                              | <b><u>Page</u></b> |
|--------------------------------------------------------------|--------------------|
| <br>SECTION 4 - ANALYTICAL RESULTS (Continued)               |                    |
| 4.04 Surface Water/Stream Sediment Chemistry                 | 44                 |
| 4.04.01 Surface Water Chemistry                              | 44                 |
| 4.04.02 Stream Sediment Chemistry                            | 45                 |
| <br>SECTION 5 - CONCLUSIONS                                  |                    |
|                                                              | 47                 |
| <br>TABLES                                                   |                    |
| 1 Soil Organic Data                                          |                    |
| 2 Soil Inorganic Data                                        |                    |
| 3 Soil Organic Data (Superfund Analyses)                     |                    |
| 4 Soil Inorganic Data (Superfund Analyses)                   |                    |
| 5 Soil Semivolatile Organic Data (Superfund Analyses)        |                    |
| 6 Soil PCB & Pesticide Data (Superfund Analyses)             |                    |
| 7 Monitoring Well Specifications and Ground Water Elevations |                    |
| 8 Ground Water Organic Data                                  |                    |
| 9 Ground Water Inorganic Data                                |                    |
| 10 Ground Water Organic (IRM)                                |                    |
| 11 Surface Water Organic Data                                |                    |
| 12 Surface Water Inorganic Data                              |                    |
| 13 Stream Sediment Organic Data                              |                    |
| 14 Stream Sediment Inorganic Data                            |                    |
| <br>FIGURES                                                  |                    |
| 1 Site Location Map                                          |                    |
| 2 Site Base Map                                              |                    |
| 3 Soils - Organic Data                                       |                    |
| 4 Ground Water - Organic Data                                |                    |
| 5 Shallow Ground Water Flow Map (2/19/92)                    |                    |
| 6 Deep Ground Water Flow Map (2/19/92)                       |                    |
| 7 Shallow Ground Water Flow Map (4/15/92)                    |                    |
| 8 Deep Ground Water Flow Map (4/15/92)                       |                    |
| 9A Storm Data - Ground Water and Surface Water               |                    |
| 9B Storm Data - MW-2D                                        |                    |
| 10 Surface Water - Organic Data                              |                    |
| 11 Stream Sediment - Organic Data                            |                    |
| 12 Stream Sediment - Inorganic Data                          |                    |
| 13 Hydrogeologic Cross-Section A-A'                          |                    |

**TABLE OF CONTENTS**  
**(Continued)**

**FIGURES (Continued)**

- 14     Hydrogeologic Cross-Section B-B'
- 15     Surface Soils Organic Data (Drum Storage Pad)
- 16     Subsurface Soils Organic Data (Drum Storage Pad)

**APPENDICES**

- A1     Focused Remedial Investigation Work Plan
- A2     Focused Remedial Investigation - Quality Assurance Project Plan
- A3     Focused Remedial Investigation - Health and Safety Plan
- B     Boring Logs and Monitor Well Construction Diagrams
- C     PID Calibration Forms
- D     Chain of Custody Forms
- E     Data Validation
- F     Ground Water Sampling Field Logs
- G     In Situ Hydraulic Conductivity Tests
- H     Storm Elevation Monitoring Data
- I     Ground Water Flow Calculations

## **SECTION 1 - INTRODUCTION**

### **1.01 Introduction**

The ITT Sealectro site is located at 139 Hoyt Street in the Village of Mamaroneck, New York. A site location map is presented as Figure 1. The site has been used as a electronics parts manufacturing and assembly facility since approximately 1960. It is believed that the previous tenant at the building manufactured jewelry.

In May 1991, underground storage tanks (USTs) were excavated from the front of the building. There was evidence that some of these tanks had leaked and impacted the site soils and ground water. Based on these findings, ITT Sealectro elected to voluntarily complete a Remedial Investigation (RI) to assess the physical and chemical characteristics of the site and the nature and extent of contamination on-site. This Phase I Remedial Investigation Report presents the investigatory work completed on-site and the results of that work.

The scope of work for the Focused RI is detailed in the Focused RI Work Plan dated September 1991 which is presented in Appendix A1. A Quality Assurance Project Plan (QAPP) and Health and Safety Plan (HASP) were completed in January 1992 prior to initiating the Focused RI and are presented as Appendices A2 and A3, respectively. Due to the large volume of information contained in Appendices A1, A2, and A3, they are presented under separate cover. The majority of the tasks outlined in the Work Plan were completed in January and February 1992.

ITT Sealectro has completed several Interim Remedial Measures (IRMs) at the site to reduce risk to the public and/or the environment. These IRMs included the removal of USTs and affected soil, and operation of *in situ* soil vapor extraction and ground water and product recovery and treatment systems. These IRMs are discussed in detail in the IRM Report prepared by O'Brien & Gere Engineers, Inc. which will be submitted to the NYSDEC after this Phase I Focused RI Report.

## **1.02 Report Organization**

This report is divided into five sections and includes tables, figures, and appendices. A brief overview of these sections follows:

Section 1 provides information on the site setting, site history, and previous studies conducted. In addition, this section includes a description of the Focused RI Report.

Section 2 presents a detailed description of the data collection efforts completed during the Focused RI. Field techniques used to collect the data, including a summary of the methods used to complete the test borings and ground water monitoring wells, are discussed. Additionally, specific sampling techniques, chain-of-custody procedures and laboratory analyses are described.

Section 3 provides a discussion of the regional and site characteristics including the regional and site geology and hydrogeology.

Section 4 presents the results of the chemical analyses completed during the Focused RI. The chemistry of the soil, surface water/sediments and ground water as it relates to site waste residuals is also discussed.

Section 5 presents the conclusions of the Phase I Report.

The report is structured to reflect the format used in Guidance on Remedial Investigations under CERCLA (US EPA, 1988) and the NYSDEC guidelines for the development of Focused RI Work Plans.

Many of the terms discussed in this Phase I Focused RI Report have common abbreviations. These abbreviations, which have been used throughout this report, are as follows:

|                                      |                                    |
|--------------------------------------|------------------------------------|
| VOCs - Volatile Organic Compounds    | PCE - Tetrachloroethene            |
| 1,1-DCE - 1,1-Dichloroethene         | VC - Vinyl Chloride                |
| 1,1-DCA - 1,1-Dichloroethane         | CM - Chloromethane                 |
| 1,2-DCE - 1,2-Dichloroethene (total) | DBCM - Dibromochloromethane        |
| TCA - 1,1,1-Trichloroethane          | TPH - Total Petroleum Hydrocarbons |
| TCE - Trichlorethene                 | MC - Methylene Chloride            |
| VC - Vinyl Chloride                  |                                    |

### **1.03 Site Setting**

The ITT Sealectro site is located in an industrialized area of Mamaroneck. Industries in the immediate vicinity of the site include the Blood Brothers Auto Wrecking Yard which is located to the north across the Sheldrake River; Marvel Industries, Inc., a plastics fabricator located to the west; and a photographic film processing facility to the east. Hoyt Street and an Amtrak Train line border the site to the south.

The 0.92 acre site is relatively flat and is adjacent to the Sheldrake River. One large building exists on the lot and nearly the entire remaining area consists of paved

parking areas. The Sheldrake River, a tributary of the Mamaroneck River, drains into the Long Island Sound within one mile of the site (Figure 1). Where it flows past the Sealectro facility, the Sheldrake River is about 1 foot deep and 15 feet wide. The river is channeled by stone retaining walls about 8 feet high. Site inspections documented that the river in this area contains debris typically consisting of automobile parts, glass and assorted household refuse.

#### **1.04 Site Background and History**

The Sealectro Corporation operated an electronics parts manufacturing and assembly facility at the 139 Hoyt Street location since approximately 1960. It is believed that the previous tenant at the building manufactured jewelry. In March 1986, Sealectro sold the building and land to 139 Hoyt Street Associates, who in turn leased the same property back to Sealectro. In November 1986, BICC Group (a holding firm/manufacturing conglomerate) acquired Sealectro. ITT Corporation purchased Sealectro from BICC Group in August 1988. The resulting company was ITT Sealectro, an ITT Electronic Components, Inc. Company (now known as ITT Components, Inc.). The 139 Hoyt Street property is presently owned by 139 Hoyt Street Associates but is managed through Northbrook Management Corporation of White Plains, New York. ITT Sealectro ceased operations at the Mamaroneck facility in November 1990. In July 1991, foreclosure action against 139 Hoyt Street Associates was reportedly initiated by National Westminster Bank in New York, New York and is currently pending.

The NYSDEC was initially informed about the site in a letter dated January 15, 1991 where ITT Sealectro registered several USTs and notified the agency of the

intent to remove the USTs. During the UST removal (May 16, 1991), it was evident that the USTs had leaked, and the NYSDEC was immediately notified by ITT Sealectro (Spill # 9101862). A Corrective Action Plan dated August 28, 1991 was then submitted to the NYSDEC. As part of the Corrective Action Plan, quarterly sampling of existing wells MW-2 and MW-3 (July 1991 and October 1991) and the preparation of a Focused RI Work Plan was initiated. The Focused RI Work Plan was submitted to the NYSDEC on September 16, 1991, while the July quarterly sampling data was sent on October 15, 1991. On November 20, 1991, a site tour of the facility was attended by the NYSDEC.

As previously mentioned, the scope of work for the RI is detailed in the Focused RI Work Plan dated September 1991 which was submitted to the NYSDEC in September 1991 is presented in Appendix A1. A Quality Assurance Project Plan (QAPP) and Health and Safety Plan (HASP) were completed in January 1992 prior to initiating the Focused RI and are presented as Appendices A2 and A3, respectively. Due to the large volume of information contained in Appendices A1, A2, and A3, they are presented under separate cover. The majority of the tasks outlined in the Work Plan were completed in January and February 1992.

In March 1992, the facility was classified as an Inactive Hazardous Waste Site (Site #360027) by the New York State Department of Environmental Conservation (NYSDEC). Presently, an Administrative Order of Consent is being negotiated with the NYSDEC. Based upon consent order negotiations with the NYSDEC, the scope of work presented in the Work Plan was modified to include a Phase I RI Report and a Phase II RI Report. This document is the Phase I RI Report which presents

a hydrogeologic evaluation of the site. The Phase II RI will include a risk assessment and will be completed following NYSDEC review of the Phase I RI Report.

Based on information collected at the site, four areas of environmental concern were investigated as part of this Focused RI. These four areas are identified on Figure 2. These areas include:

- 1) Drum Storage Pad Area;
- 2) Underground Storage Tank (UST) Area;
- 3) Wastewater Treatment Area, and
- 4) Fuel Oil Underground Storage Tank Area.

The majority of the historical information about these four areas presented below was obtained from conversations with Mr. Joseph Corvo, who worked at the facility as a supervisor from approximately 1960 to 1975.

Several operations were reportedly performed at the facility which included screw machine manufacturing, electroplating, plating, and assembly. The screw machine operation was located in the southwestern portion of the building and was discontinued in January 1975. The electroplating department, which was located in the northeastern corner of the building, existed until 1984. Reportedly, 25 gallons per week of benzene for degreasing operations were used at the facility from about 1960 to 1963. Benzene was apparently stored in one of the eight tanks in the UST area (see Figure 2). TCE was used as a degreaser from 1963 until 1968, at which time TCE was replaced with TCA. The TCE and TCA were stored in 55-gallon drums outside on the drum storage pad (see Figure 2) and buckets were filled on the pad and brought inside for use. Spent solvents were placed in 55-gallon drums which

were stored at the drum storage pad to await disposal. In addition, lubricating and cutting oils were stored on the drum storage pad after 1973.

Reportedly, benzene (until 1963), and virgin 15-20 weight oil, 25-30 weight oil, and 90 weight oil were stored separately in USTs while spent oils were stored by two interconnected USTs. About 1973, Seaelectro began noticing water in the virgin lubricating and cutting oils from the USTs and began purchasing oil in drums which were stored on the drum storage pad. Based upon information from the IRM, it appears that waste and virgin solvent were stored in the UST area.

Three wastewater treatment tanks were installed about 1970 and are located on the north eastern portion of the property as indicated on Figure 2. Reportedly, one tank was used for treating cyanide waste while the two remaining tanks were used to treat general wastewater from the plating operations. The tanks were reportedly coated on the inside with epoxy. In 1983 or 1984 the tanks were emptied, thoroughly cleaned and filled with sand. The tanks remain in-place today.

A 2,500 gallon No. 2 fuel oil UST was located on the southwestern portion of the site located adjacent to Hoyt Street. In the mid to late 1970's, the fuel oil tank reportedly leaked and was reportedly replaced with a new 2,500 gallon fuel tank. Test borings installed around the fuel oil UST as part of the Phase I Focused RI indicated that the tank had leaked. The NYSDEC was notified of the release (Spill # 9101862 ) and the tank was subsequently replaced.

Aerial photos of the area for the years 1960, 1968 (Lockwood, Kessler and Bartlett, photo (0009 - 5.083) and (NY9-1483 - 439), and 1979 (AeroGraphics, 16-1811) were obtained. In general, these photographs revealed plant expansions. In 1960, the building was rectangular, and the southwest portion of the building was not

paved nor was it being used as a parking lot. The back portion of the site, bordering the Sheldrake River, appears to have been used for parking. By 1968, additions were constructed on the back and to the southwest side. The southwest lot was now paved and being utilized as a parking lot. The 1979 aerial photos reveal that the wastewater treatment building and the drum storage pad had been constructed as indicated on Figure 2.

#### **1.05 Previous Studies**

A total of four previous studies have been conducted at the Mamaroneck facility. The first study was a site assessment completed by O'Brien & Gere Engineers, Inc. (O'Brien & Gere) as part of the property transfer from Sealectro to 139 Hoyt Street Associates. The second study was a soil and ground water evaluation conducted by TRC Environmental Consultants (TRC). This study was conducted for ITT Corporation in association with the purchase of Sealectro. The third study was a sampling program implemented in August 1989 by O'Brien & Gere for ITT Sealectro. The purpose of this study was to delineate soil contamination at the former drummed solvent storage area and to document existing groundwater quality conditions. The existence of the UST area was first recognized in 1990 and therefore was not investigated during the three previous investigations. The fourth study was an Environmental Investigation prepared by Leggette, Brashears & Graham, Inc. in May 1991 for BICC Group to verify the existence of USTs and the possible presence of organic vapors in the subsurface soil.

#### 1.05.01 Site Assessment

The objective of the January 1986 Site Assessment completed by O'Brien & Gere Engineers, Inc. was to determine the possible existence and nature of contaminants associated with the electroplating operation which may have been released to the environment through mishandling or spillage. Sealectro identified four areas of potential concern which were sampled and included the following:

1. Three 2500-Gallon Underground Wastewater Storage Tanks;
2. Wastewater Treatment Area;
3. Drum Storage Pad Area; and
4. Sheldrake River.

The assessment revealed low levels of copper (18 ppm to 30 ppm), and nickel (20 ppm to 33 ppm) around the former underground wastewater storage tanks. Slightly higher levels of silver (2 ppm to 51 ppm), copper (4 ppm to 510 ppm) and nickel (14 ppm to 113 ppm) were detected around the former wastewater treatment building. TCA (0.86 ppm to 160 ppm) was found in the immediate vicinity of the former drum storage pad.

TCA (12 ppb to 53 ppb) was detected at depths below the ground water table around the periphery of the 139 Hoyt Street facility. Copper (47 ppm to 740 ppm), nickel (12 ppm to 30 ppm) and TCA (0.01 ppm to 0.018 ppm) were detected in the river sediment. A more detailed summary and specific analytical data are presented in Appendix A1.

### 1.05.02 Environmental Assessment

The second study, which was completed by TRC in conjunction with ITT's purchase of Sealectro, focused on the Drum Storage Pad Area, Wastewater Treatment Area, and the Sheldrake River. A ground water monitoring well (MW-2) was installed near the former drum storage pad. Sampling results indicated 1,1-DCA (123 ppb); trans-1,2-DCE (74 ppb); TCA (94 ppb); TCE (4 ppb) and arsenic (10 ppb).

A second ground water monitoring well (MW-3) was installed at the former wastewater treatment area. VOCs detected in the ground water included DBCM (9 ppb), 1,1-DCA (154 ppb); 1,2-DCA (6 ppb); 1,1-DCE (343 ppb); trans- 1,2-DCE (65 ppb); TCA (129 ppb) and TCE (21 ppb).

Subsurface soil samples revealed levels of copper (296.5 ppm to 465.3 ppm), nickel (26.1 ppm to 46.7 ppm) and silver (0.19 ppm to 0.51 ppm). Copper (12.1 ppm to 43 ppm), nickel (5.1 ppm to 15.5 ppm) and silver (0.03 ppm to 0.12 ppm) were detected in the surface soil samples (0 to 7 inches). Copper (56.1 ppm to 296.4 ppm) and silver (4.57 ppm to 7.03 ppm) were detected in river sediment.

It is important to clarify that TRC installed two wells (MW-2 and MW-3) and did not mention MW-1 or why they labelled their first well MW-2. Laboratory data sheets indicate that soils samples were collected from MAM-MW-1 and MAM-MW-1a yet the report does not discuss these samples. Efforts to contact TRC about MW-1 were inconclusive. A more detailed summary and specific analytical data are presented in Appendix A1.

#### **1.05.03 Sampling Program**

The third study, which was conducted by O'Brien & Gere Engineers, Inc. for ITT Sealectro and focused on the former Drum Storage Pad Area. Soil boring and shallow soil samples showed TCA (18 ppb to 16,000 ppb), TCE (19 ppb to 5,900 ppb), PCE (3,400 ppb), toluene (16 ppb to 3,100 ppb) and xylene (55 ppb to 15,000 ppb). Each sample collected at the water table interface (with the exception of one) revealed detectable levels of VOCs. A comparison of the analytical data for each boring indicated a possible source of toluene and xylene upgradient of the drum storage area.

The existing ground water monitoring well (MW-2) near the drum storage pad was re-sampled and VC (200 ppb), CM (18 ppb), 1,1-DCA (63 ppb), trans-1,2-DCE (56 ppb), TCA (16 ppb), TCE (3 ppb), and benzene (29 ppb) were detected. A more detailed summary and specific analytical data are presented in Appendix A1.

#### **1.05.04 Environmental Investigation**

The fourth study was completed by Leggette, Brashears & Graham, retained by Pilko & Associates for BICC, and is documented in a draft Environmental Investigation Report dated March 1991. Surface geophysics were completed to identify magnetic anomalies and a soil vapor survey was completed to assess if organic vapors were present in the subsurface soil. The geophysical survey was completed using a Geonics EM-31 in the inphase mode. The survey tentatively identified the location of the former wastewater tanks, fuel oil tanks, and USTs in the southwest corner of the building. To

provide further resolution in the UST area, a magnetic cable indicator survey was completed. This survey revealed seven buried metallic objects.

Forty-six soil vapor samples were collected and analyzed for VOCs including TCA, PCE, TCE, benzene, ethylbenzene, and toluene. No ethylbenzene or xylenes were detected. Total VOCs in excess of 10,000 ppm were identified in the UST area. Concentrations of VOCs decreased rapidly east and south of these tanks. Low levels of VOCs (less than 1 ppm) were observed in samples collected from the eastern and western parking lots.

## **SECTION 2 - STUDY AREA INVESTIGATION**

This section presents a detailed description of the data collection efforts completed during the Focused RI. Field techniques used to collect the data, including a summary of the methods used to complete the test borings and ground water monitoring wells, are discussed. Additionally, specific sampling techniques, chain-of-custody procedures and laboratory analyses are described.

### **2.01 Soil Sampling and Analysis Plan**

Twelve soil borings (B-11 through B-24) were installed from January 21, 1992 through February 10, 1992. The goal of the soil sampling and analysis plan was to define the nature and extent of contamination, if any, in these four areas of environmental concern:

- 1) Drum Storage Pad Area;
- 2) Wastewater Treatment Area;
- 3) Underground Storage Tank (UST) Area; and
- 4) Fuel Oil Underground Storage Tank Area.

In the Drum Storage Pad Area and the Wastewater Treatment Area, soil sampling had previously documented the soil quality. In these areas, the goal of the soil sampling was to verify the previous results and document the extent of contamination, if any.

Soil borings were installed within the center of the Drum Storage Pad Area (B-11) and the Wastewater Treatment Area (B-14) to verify previous analytical data. Soil borings were also installed outside the Drum Storage Pad Area (B-12 and B-13)

and the Wastewater Treatment Area (B-15 and B-16) to evaluate the horizontal extent of contamination. One soil boring and subsequent temporary dewatering well were installed at the UST Area (MW-5) to evaluate the vertical extent of affected soils. Four additional borings (B-18, B-19, B-20, and B-21) were installed around the perimeter of the UST area to evaluate the horizontal extent of any affected soils. Additionally, three test borings (B-22 (MW-8), B-23, and B-24) were installed in the vicinity of the Former Fuel Oil UST Area where a the Work Plan indicated two borings. Figure 2 illustrates the boring locations.

In each area of concern, the borings were completed to the water table or the vertical extent of visual contamination where possible. Continuous soil samples were collected in 2-foot increments from immediately beneath the ground surface using hollow stem auger drilling methods and ASTM D1586-84 split-barrel sampling methods. Samples were visually described and logged in detail by the supervising O'Brien & Gere geologist. Specific soil classifications are presented on the boring logs in Appendix B.

Each collected sample was placed into an eight-ounce glass jar and four-ounce glass jar. Due to the limited amount of soil recovered from some split spoons, it was necessary to composite the samples from several split spoons. The eight-ounce jar was capped with tin foil and allowed to reach ambient temperature. The headspace of each eight-ounce jar was then screened with a photoionization detector (PID). The PID was calibrated each day and the calibration forms are presented in Appendix C. The samples selected for laboratory analyses were based on the PID reading, visual examination and depth. Each laboratory sample (eight-ounce jar and four-ounce jar) was placed in a cooler equipped for transport to OBG Laboratories, Inc. for analysis.

Samples not submitted for laboratory analyses were archived. Chain-of-custody documents were initiated at the time of sample collection and maintained throughout transportation to the laboratory. These forms are presented as Appendix D.

One sample from each area of concern, with the exception of the Fuel Oil UST area (B-22, B-23, B-24 ), was collected for analysis of the full NYS TCL using Superfund Protocols 8240 (volatiles) 6000/7000 (inorganic), 418.1 (TPH), 8080 (PCB/pesticides) and 8270 (semivolatiles). The samples selected were representative of "worst case" based on PID readings and visual examination. The objective of these analyses was to document the nature of contamination at the site. These analysis document that only VOCs and inorganic parameters are site indicator parameters. Appropriate quality control samples including field duplicates, matrix spikes and field blanks were collected as specified in the QAPP. Data are summarized on Tables 3, 4, 5 and 6. The data validation is presented in Appendix E while the laboratory data are presented under separate cover.

Up to two soil samples from each boring were selected for laboratory analysis for site indicator parameters. The site indicator parameters were selected based on the results of previous site investigations and New York State Target Compound List analyses from the areas of concern. The site indicator parameters analyses consisted of NYSTCL inorganics according to NYSDEC - Analytical Services Protocol (ASP), NYSTCL - VOCs using NYSDEC ASP gas chromatography methodology). TPH was analyzed using USEPA Method 418.1. Soil samples from B-22 and B-23 (fuel oil UST) were submitted for TPH analyses only. The soil organic data summarized in Table 1 and Figure 3 while the inorganic data are summarized on Table 2. The

analytical results were validated, and are presented in Appendix E while the laboratory data sheets are presented under separate cover.

The specific samples which were collected for analyses were:

| <u>Location</u> | <u>Depth (ft)</u>         |
|-----------------|---------------------------|
| B-11            | 6-8 ft; 10-12 ft          |
| B-12            | 6-8 ft;*8-10 ft; 10-14 ft |
| B-13            | 4-8 ft; 10-12 ft          |
| B-14            | 6-8 ft; 16-18 ft          |
| B-15            | 0.5-2 ft;*2-6 ft; 6-8 ft  |
| B-16            | 2-4 ft; 10-12 ft          |
| B-17            | 0-6 ft; 6-8 ft; *8-12 ft  |
| B-18            | 6-8 ft; 12-14 ft          |
| B-19            | 8-10 ft; 18-20 ft         |
| B-20            | 0.5-13 ft                 |
| B-21            | 6-8 ft; 10-12 ft          |
| B-22 (MW-8)     | 4-6 ft; 12-14 ft          |
| B-23            | 6-10 ft                   |
| B-24            | no samples collected.     |

\* NYSDEC TCL Superfund Analyses

Split-spoon samplers were decontaminated between samples using an eight-step decontamination process as follows:

1. Alconox and tap water wash
2. Tap water rinse
3. Distilled water rinse
4. 10% nitric acid rinse
5. Distilled water rinse
6. Acetone rinse
7. Air dry
8. Distilled water rinse

Other drilling equipment was decontaminated between boring locations using a portable steam cleaner. Decontamination water was allowed to percolate into the ground at the designated decontamination location. Upon completion of each boring, the boring was then backfilled with a tremied cement/bentonite grout.

## **2.02 Ground Water Sampling and Analysis Plan**

To further evaluate the site ground water, seven additional wells were installed at the site. Three deep ground water monitoring wells were installed atop bedrock (MW-2d, MW-3d and MW-4d) while two shallow ground water monitoring wells (MW-4 and MW-8) were installed near or across the ground water table. As part of the IRM, a temporary dewatering well (Well-5) and a product recovery well (RW-1) were installed.

Monitoring wells MW-4 and MW-4d were installed within Hoyt Street in the apparent upgradient location. The work plan identified two shallow wells (MW-4 and MW-6) along the southern portion of the site. However, access problems and the presence of the deep ground water zone resulted in the installation of well nest MW-4 and MW-4d. Deep wells (MW-2d and MW-3d) were installed adjacent to existing downgradient shallow wells MW-2 and MW-3 as specified in the Work Plan. The well nests provide a means of evaluating the vertical extent of ground water contamination and vertical hydraulic potential. MW-7, as identified in the Work Plan, was not installed as permission could not be obtained to access the adjacent property.

Free-phased fuel oil was encountered while drilling B-22; therefore, the boring was converted to MW-8 to evaluate product thickness. Subsequently, a product

recovery system utilizing a 6-inch recovery well (RW-1) was installed. The 2,500 gallon UST and 60 cubic yards of affected soil were removed in April 1992. The product recovery system is presently (6/92) operating. Specific details about the IRMs are presented in the IRM Report.

As part of the IRM program, a 6-inch temporary dewatering well (Well-5) was installed at the former UST area to aid in the dewatering of soil prior to excavation. The well was removed during soil excavation and replaced with a permanent ground water recovery well (RW-2).

The monitoring wells (MW-2d, MW-3d, MW-4s, MW-4d, and MW-8) and RW-1 and Well-5 were installed using hollow stem auger drilling methods. Split barrel samples were collected continuously at each location in accordance to ASTM Method D 1586-84. Due to the "running sands" encountered below 20 ft., split spoon samples were collected at 5-foot intervals below 20 ft. Upon retrieval, soil samples were be placed in eight-ounce glass jars and covered with aluminum foil for subsequent volatile organic headspace screening with a PID. The PID was calibrated each day as specified by the QAPP and the calibrations forms are presented as Appendix D. Samples were visually described and logged in detail by the supervising O'Brien & Gere geologist. Soil samples collected during monitoring well installation were not submitted for laboratory analyses. Specific soil classifications are presented on the boring logs in Appendix B.

The monitoring wells were constructed using 10 feet of 2-inch I.D. machine slotted PVC (0.010 inch slot size) well screen attached to an appropriate length of 2-inch I.D. flush joint threaded PVC riser casing. The well screen for the deep wells

was installed atop the bedrock whereas the shallow wells were screened across or near the water table.

Once the screened interval was selected, a washed, graded silica sand pack was placed around the well screen and extended a minimum of 1 foot above the top of the screen. A 2-foot bentonite seal was then placed above the sand pack and the remainder of the annular space was tremied with a 95 percent Portland Cement/5 percent bentonite grout mixture. A locking flush mounted or locking protective well casing was then cemented in place. Specific well construction details are presented in Table 7 and Appendix B. A field instrument survey was completed by a licensed New York State surveyor to establish the horizontal location and vertical elevation of newly installed and existing wells.

Drill cuttings and spoils generated during completion of the monitoring wells were placed in the vicinity of the UST Area. The split spoons were cleaned between samples using a phosphorous-free detergent wash followed by a clean water rinse. Other drilling equipment was decontaminated between locations using a portable steam cleaner. Decontamination water was allowed to percolate into the ground at the designated decontamination location.

Following installation, the new monitoring wells were developed to enhance the hydraulic connection between the well and the ground water system. Development was completed by bailing the wells with a decontaminated bailer attached to new polypropylene rope. Development was continued for 2 hours. The purge water was contained and placed in the vicinity of the UST area with the exception of water obtained from MW-8 which contained free-phased fuel oil. The development water

from MW-8 was placed in DOT 17h-barrels and was disposed with the affected soil when the fuel oil tank was decommissioned.

#### **2.02.01 Ground Water Sampling and Analyses**

Ground water samples were collected on two occasions from MW-2, MW-2d, MW-3, MW-3d, MW-4 and MW-4d as part of the Phase I Focused RI. First round samples were collected between February 17 to 19, 1992 and second round samples were collected on April 15 and 16, 1992. The samples were analyzed for NYS TCL volatile organics and inorganics using NYSDEC ASP procedures. Gas Chromatograph/Mass Spectrophotometry methodology (GC/MS) was utilized in the February sampling event while GC methodology was utilized in the April sampling. The first round of samples were to be analyzed using GC methods; however, due to an equipment malfunction at the laboratory, the samples were analyzed using GC/MS methods. TPHs were analyzed using USEPA Method 418.1. Due to the elevated turbidity of the samples, both dissolved (filtered) and total (unfiltered) inorganics were analyzed in accordance with NYSDEC TAGM HWR-88-4015 dated September 30, 1988. The ground water organic data are summarized in Table 8 and Figure 4 while the inorganic data are summarized in Table 9. Data validation for the ground water samples is presented in Appendix E. A complete laboratory package is presented under separate cover.

Ground water samples were collected from Well-5 and RW-2 (ground water recovery well) on several occasions for VOC analyses. Results of these analyses are summarized in Table 10 and Figure 4.

Ground water samples, with the exception of Well-5 and RW-2, were collected in accordance with procedures outlined in the QAPP. Well-5 and RW-2 were not installed or sampled as part of the remedial investigation, however, the data from these wells is included in this report in order to provide a more complete understanding of site conditions. Prior to initiating sampling, a complete set of static water levels was collected from wells to evaluate ground water flow direction and to calculate the volume of water present in each well. Wells were sampled from the anticipated least contaminated to most contaminated to reduce the possibility of cross-contamination.

Prior to sample collection, the wells were purged, using a decontaminated stainless steel bailer equipped with dedicated polypropylene rope, until a minimum of three well volumes were removed or until the well went dry. Samples were collected and immediately transferred to appropriate containers as specified in the QAPP. Samples were placed in coolers and packed with ice for shipment to NYTEST Environmental Inc. Chain of custody documentation was initiated at the time of sample collection and the forms are presented in Appendix C. Other specific ground water sampling details are found on the ground water sampling logs presented in Appendix F. Ground water samples from Well-5 and RW-1 were collected from a spigot as part of the IRM program. Samples could not be collected using a bailer as the pumping system within Well-5 and RW-1 interfered.

The stainless steel bailer used for sampling was cleaned using an eight-step decontamination process as follows:

1. Alconox and tap water wash;
2. Tap water rinse;
3. Distilled water rinse;
4. 10% nitric acid rinse;
5. Distilled water rinse
6. Acetone Rinse;
7. Air dry; and
8. Distilled water rinse.

Field measurements of pH, specific conductance, and temperature were collected during sampling and are included on the ground water sampling field logs presented in Appendix F.

### **2.03 Hydraulic Conductivity Tests**

Subsequent to the completion of well installation and development, hydraulic conductivity tests were conducted on each monitoring well excluding MW-8 (free-phased fuel oil present). These tests evaluated the horizontal conductivity of the saturated sediments movement beneath the site.

The tests were conducted in accordance with the procedures outlined in the QAPP. An Aquistar pressure transducer system and inert slug was utilized. Equipment that was placed in the well was pre-cleaned using an alconox wash followed by a distilled water rinse. The test involved pre-insertion of the pressure transducer into the well. A PVC rod was then inserted into the well in order to create a positive head potential between the well and the surrounding aquifer (slug test). The rate of water level decline was recorded by the transducer system.

Data obtained from the tests were evaluated using the Bouwer & Rice Method. The calculations and raw data are presented in Appendix G.

#### **2.04 Surface and Ground Water Elevation Monitoring Plan**

Upon completion of well installation and development, each monitoring well and surface water benchmark were located horizontally and vertically by a field instrument survey. Water elevations were collected on several occasions at the facility and are presented on Table 7. Ground water elevation data collected from February 19, 1992 and April 15, 1992 were used to create ground water flow maps which and are presented as Figures 5, 6, 7, and 8.

Additionally, surface water and ground water elevations were monitored for a period of one week at 15-minute intervals using a pressure transducer system to evaluate the interaction of the ground water and surface water systems. Figures 9A and 9B presents the stream and ground water elevations monitored throughout the sampling period. The field data are presented in Appendix H.

#### **2.05 Surface Water and Sediment Sampling Plan**

Surface water and sediment samples were collected on two occasions from three locations along the Sheldrake River to evaluate the impact, if any, the site may have on the stream sediments and the surface water quality. One sample of each media (water and sediment) was collected upstream, one near the midpoint of the site, and one downstream of the site as illustrated on Figure 2. The surface water and sediment samples were analyzed for NYS TCL volatile organics and inorganics using NYSDEC ASP procedures. GC/MS methodology was used for the February

1992 sampling event while GC methodology was used for the April 1992 sampling. As previously discussed, the first round of samples were to be analyzed using GC methods, however, due to an equipment malfunction at the laboratory, the samples were analyzed using GC/MS methods. TPHs were analyzed using USEPA Method 418.1. The organic chemistry of the surface water and stream sediment samples are summarized on Figures 10 and Figure 11 and Tables 11 and 13, respectively. The inorganic data are summarized on Tables 12 and 14. The data validation is presented in Appendix E and the laboratory data sheets are presented under separate cover.

As specified in the QAPP, the stream bank adjacent to the site was traversed during each sampling event to locate seeps which may directly discharge to the Sheldrake River. No seeps were observed emanating from the stream bank during either sampling event.

## **SECTION 3 - PHYSICAL CHARACTERISTICS OF THE STUDY AREA**

### **3.01 Meteorology**

The climate of the Westchester County area is moderate, with an average temperature of 51 degrees fahrenheit (US Army Corps of Engineers, 1977). The temperature extremes vary from a low of approximately minus 18 degrees fahrenheit, to a high of approximately 105 degrees fahrenheit. Average humidity is approximately 67 percent and the prevailing winds are from the northwest with an average velocity of 14 mile per hour (U.S. Army Corps of Engineers, 1977). The average annual precipitation in the Westchester County area is approximately 45 inches, with observed extremes of 26 inches to 67 inches per year (US Army Corps of Engineers, 1977). The average annual snowfall in this area is approximately 39 inches with a rainfall equivalent of 4 inches. The distribution of precipitation throughout the Westchester County area is fairly consistent, with slightly higher amounts falling in the summer months (U.S. Army Corps of Engineers, 1977).

### **3.02 Regional Geology and Hydrogeology**

The southern portion of Westchester County, including the Village of Mamaroneck, is in the sub-area of the New England Uplands identified as the Manhattan Hills (U.S. Army Corps of Engineers, 1977). The geology and hydrogeology of the Westchester County is divided into two categories, which include unconsolidated and consolidated deposits.

The surficial features associated with the southern Westchester County area are predominantly low-lying plains and flat broad valleys separated by low rolling

hills (U.S. Army Corps of Engineers, 1977). The Village of Mamaroneck is located in one of these low-lying areas.

Unconsolidated deposits are predominately Pleistocene tills, clays, silts, sands and gravels. Well yields from these materials can vary widely from no yield at all in clays, to hundreds of gallons per minute in the sands and gravels. In Westchester County, the sand and gravel aquifers are the best source of water in the unconsolidated deposits (Asseltine and Grossman, 1955). These deposits, however, are usually thin and of relatively small areal extent (Asseltine and Grossman, 1955). Till deposits are the most widespread unconsolidated deposits found in Westchester County. These deposits range in thickness from zero on some hill tops to over one hundred feet in some valley areas. Due to the heterogeneous nature of till, well yields tend to be low, averaging less than five gallons per minute.

The bedrock associated with the Mamaroneck area is typically a metamorphic schist or gneiss associated with the Hartland Formation (Asseltine and Grossman, 1955). The bedrock surface is typified by alternating ridges and depressions. These features routinely trend in a northeasterly-southwesterly direction. Wells installed in bedrock generally have low yields suitable where only moderate supplies of water are needed, such as domestic uses (Asseltine and Grossman, 1955). The source of water in bedrock usually occur in fractures or solution cavities.

Ground water is not used as a source of potable water in the vicinity of the facility. The village of Mamaroneck is serviced by public water which is purchased from New York City reservoirs. The soils in the area are of the Charlton association (Westchester County Soil and Water Conservation Department, 1978). The Charlton soils are characterized by being nearly level to gently sloping (0 to 3%) and being

deep, well drained and moderate to moderately-coarse in texture (Westchester County Soil and Water Conservation Department, 1978).

The Sheldrake River, which flows past the site, is approximately 7 miles long and joins the Mamaroneck River about 0.25 miles downstream of the site. The Mamaroneck River ultimately discharges into the Long Island Sound. The Sheldrake River is prone to flooding in some areas. A Feasibility Report for controlling the flooding was completed by the U.S. Army Corps of Engineers in 1977. The report indicated that four reservoirs are located on the Sheldrake River approximately 1.5 miles upstream of the site. Base flow discharge of the Sheldrake River was typically less than 10 to 20 cubic feet per second (CFS) at the confluence of the Mamaroneck and Sheldrake Rivers. During extreme storms, the flow increased to 845 CFS at the mouth of the river (U.S. Army Corps of Engineers, 1977). The affect that a given storm will have on the discharge of the river is variable and is related to the available holding capacity of the reservoirs. To date, none of the U.S. Army Corps recommendations for flood control have been implemented (Diamond, 1992).

### **3.03 Site Geology and Hydrogeology**

As a result of the site investigations, it is possible to characterize the site geology and hydrogeology.

#### **3.03.01 Site Geology**

The geology of the site is represented by a shallow unit and deep unit. The shallow unit is comprised of fill, silt, sand, and a peat layer. The deeper unit is characterized by sand and gravel which lies immediately above

bedrock. No monitoring wells were installed in bedrock at the site. Two hydrogeologic cross-sections of the site have been prepared and are presented as Figure 13 and Figure 14.

The site is generally covered by about 6 inches of asphalt. Beneath the asphalt, fill material is present which varies in thickness from about 2 ft at MW-3d to 6 feet of fill material at B-11. The fill material consists of mostly black, fine to coarse grained sand and fine to coarse grained gravel with high percentages of cinders and slag material. Underlying the pavement and fill material are olive gray silts with layers of peat, sands and clay. The shallow unit ranges in thickness from about 18 ft at MW-2d to 11 ft at MW-4d.

The deep unit consists predominately of sand with some gravel and silt. This unit ranges in thickness from 30 ft (MW-3d, 12 to 42 ft below the ground surface) to 14 ft (MW-2d, 15 to 29 ft below the ground surface). The deeper unit extends to the top of bedrock. The sands and gravels are moderate to poorly sorted and appear to grade downward from finer sand at the top to coarser sand at the bottom. The depth to bedrock at the site ranges from 29 ft at MW-2d to 42 ft at MW-3d.

#### **3.03.02 Site Hydrogeology**

The site hydrogeology is also characterized by shallow and deep ground water unit. Ground water elevations were collected on several occasions and are summarized on Table 1. In general, depth to ground water ranges from 5 to 8 feet below the ground surface.

### 3.03.03 Shallow Ground Flow

A total of six shallow ground water wells have been installed at the site. For the basis of this discussion, only data from MW-2, MW-3 and MW-4 have been utilized. Depth to water information was not collected from Well-5 (temporary dewatering well), MW-7 (fuel oil recovery well) and MW-8 due to active pumping or the presence of free-phased product. Specific information regarding the recovery systems is presented in the Interim Remedial Measures report prepared by O'Brien & Gere Engineers, Inc. dated July 1992.

Figures 5 and 7 illustrate the shallow ground water flow pattern for the February 1992 and April 1992 dates. The figures illustrate that in February 1992 the ground water flow direction was to the north at a hydraulic gradient of 0.006 ft/ft. Ground water flowed to the north to northwest in April 1992 at a gradient of 0.004 ft/ft. The water elevation of the Sheldrake River was collected on several occasions and these data indicate that the stream elevation is lower than the ground water elevation. This data indicate that site shallow ground water probably discharges to the river. It should be recognized that the ground water flow direction and rate may vary based on the stage of the Sheldrake River. The results of the week long surface water and ground water monitoring indicated that water elevations within MW-2 and MW-3 reacted almost instantaneously to an increase in water elevation of the Sheldrake River (Figure 9A). This indicates that the shallow aquifer is in direct hydraulic connection with the Sheldrake River.

Results of the hydraulic conductivity tests indicated a range in hydraulic conductivity in the shallow aquifer from  $2.1 \times 10^{-3}$  cm/sec at MW-4

to  $3.6 \times 10^{-4}$  cm/sec at MW-2. These values are typical given the generally silty nature of the shallow ground water unit.

The ground water discharge and velocity calculations are presented in Appendix I. The calculations suggest that the discharge from the shallow aquifer system to the Sheldrake River varies from 84 gallons/day (gpd) to 754 gpd. The ground water flow velocity for the shallow aquifer was estimated to range from 3.7 feet/year to 33 feet/year. The flow rates and velocities will vary due to the interaction of the surface water and shallow ground water.

#### **3.03.04 Deep Ground Water Flow**

Three deep ground water monitoring wells (MW-2d, MW-3d and MW-4d) were installed as part of this Focused RI. These wells were installed immediately atop the bedrock in sand and gravel.

Figures 6 and 8 illustrate the deep ground water flow pattern for the February 1992 and April 1992 dates. The figures illustrate that the ground water flowed to the north to northwest in February under a hydraulic gradient of 0.001 ft/ft. In April 1992, the ground water flow direction was to the north to northeast under a gradient of 0.001 ft/ft. As previously mentioned, it should be recognized that the ground water flow direction and rate may vary based on the stage of the Sheldrake River. The water elevations measured during the week long monitoring, which are presented on Figure 9A, suggest that the deep ground water in the vicinity of MW-3d is in hydraulic connection with the Sheldrake River since responded to an increase in the water elevation of the river. MW-2d did respond to the increases in water levels of

the Sheldrake River but to a lesser extent than MW-3d (Figure 9B). This suggests that MW-3d is in greater hydraulic connection with the Sheldrake River than MW-2d. The hydraulic connection between the ground water and the Sheldrake River indicate that there is a pathway for the ground water to discharge into the river. Since the water elevations of MW-2d and MW-3d are higher than the water elevation of the Sheldrake River, this deep ground water likely discharges to the river.

Results of the hydraulic conductivity tests indicated the range in hydraulic conductivity in the deep aquifer was from  $1.7 \times 10^{-3}$  cm/sec at MW-3d to  $1.0 \times 10^{-4}$  cm/sec at MW-2d.

The ground water flow and velocity calculations are presented in Appendix H. The calculations suggest that the flow through the deep aquifer system may vary from 11 gpd to 191 gpd. The ground water flow velocity for the deep aquifer was estimated to range from 0.34 ft/year to 5.8 ft/year. The ground water flow and velocity may vary due to the interaction of the surface and ground water.

#### **3.03.05 Vertical Ground Water Flow and Storm Water Monitoring**

By comparing the ground water elevations of the deeper wells with those of the shallow wells at the same location, it is possible to evaluate the vertical hydraulic flow potential between the two different zones. Throughout the Focused RI, collected ground water elevation data indicated an upward flow potential from the deep unit to the shallow unit. This information suggests that water from the deep zone discharges to the Sheldrake River.

## SECTION 4 - ANALYTICAL RESULTS

### 4.01 Data Validation Summary

The analytical data generated for the ITT Sealectro site in Mamaroneck, New York, were validated based on QA/QC criteria and data quality objectives presented within the Quality Assurance Project Plan (QAPP) for this project, by the New York State Department of Environmental Conservation (NYSDEC) Superfund protocol, and the United States Environmental Protection Agency (U.S. EPA) Contract Laboratory Program (CLP).

Three rounds of samples were collected during the investigation. The first round of samples consisted of thirty one soil samples, collected from January 27, through February 7, 1992. Three of the samples were submitted for NYSDEC Superfund analysis, the remaining samples were analyzed by USEPA CLP protocol. The second round of sampling consisted of the collection of ten water samples and four sediment samples collected between February 19, and February 21, 1992. The third round of sampling was a duplication of the second round of sampling and was collected on April 15, 16, and 23, 1992.

A modification of the QAPP was performed in the second round of volatile analysis. The proposed method for analyzing volatile organics was specified as EPA CLP 8010/8020, due to problems with the laboratory's GC instrumentation, the method was switched to GC/MS 8240. This did not present a problem in qualitative or quantitative evaluation the sample data.

Upon completion of the data validation, it was determined that more than 99% of the analytical data for these three rounds of samples are useable for qualitative and quantitative purposes consistent with QAPP and QA/QC criteria.

#### **4.02 Soil Chemistry**

Twelve soil borings, designated B-11 through B-24, were installed at the Sealectro facility from January 21, 1992 through February 10, 1992. The purpose of the soil borings installed in this field investigation was to characterize the nature of the subsurface material, and to provide an assessment of the soil quality in the vicinity of the four areas of study. These areas of study are:

- 1) the Drum Storage Pad Area;
- 2) the Underground Storage Tank Area;
- 3) the Wastewater Treatment Area; and
- 4) the 2,500 Gallon Fuel Oil Tank Area.

##### **4.02.01 Drum Storage Pad Area**

As part of the Focused RI three soil borings (B-11, B-12, and B-13) were completed in the vicinity of the Drum Storage Pad Area as indicated on Figure 2. Soil samples and analytical data collected during previous investigations are presented on Figures 15 and 16. Analytical data collected during the Focused RI are summarized on Tasks 1 through 6 and Figure 15. Presently (6/92), as part of an IRM, a soil vapor extraction system is being utilized to reduce the concentrations of VOCs in the area. Specific informa-

tion regarding the IRM are presented in the IRM Report dated June 1992 prepared by O'Brien & Gere Engineers, Inc.

Specifically, the following boring and surface soil samples were collected as part of previous investigations:

- A) Site Assessment (January 1986): Soil samples 8 and 9
- B) Environmental Assessment (June 1988): Soil borings B-1 and B-2
- C) Sampling Program (August 1989): Eight soil borings (B-3, B-4, B-5 B-6, B-7, B-8, B-9, and B-10) and two surface soil samples (SS-1 and SS-2).
- D) Soil Vapor Investigation (October 1991): Seven inlet wells (IW-1, IW-2, IW-3, IW-4, IW-5, IW-6, and IW-7) and two extraction wells (EW-1, EW-2).

The analytical data collected to date indicate that TCA, TCE, PCE, 1,2-DCE, DCA, xylene toluene and other related compounds were found in the soil. The results of the New York State Target Compound List - Superfund Analyses completed at Boring 12 (8 to 10 ft) indicated that PCB Arochlor 1254 was detected at 0.94 ppm (estimated) and bis(2-ethylhexyl)phthalate (a common plasticizer from gloves) was detected at 1.4 ppm (Tables 6 and 5, respectively). The concentration of PCB Arochlor 1254 could not be quantified accurately because it was below the ASP specified detection limit. Other semivolatiles and PCB/pesticides were not detected. The data demonstrated that the main parameter of concern in this area is VOCs.

The soil analytical data indicated that the highest VOC concentration (160 ppm to TCA) was observed in a June 1986 sample collected at SB-8 which is located on the adjacent property (Figure 15). Elevated levels of VOCs were detected in samples collected throughout the area. The compounds detected included TCA, DCA, TCE, PCE, 1,2-DCE, CT, EB, CM, DCM, toluene, and xylene.

The vertical extent of soil contamination in the Drum Storage Pad Area has been defined. Samples collected from borings B-11 and B-12 did not detect VOCs at either the 6 to 8 ft depth, the 10 to 12 ft or 10 to 14 ft depths.

The lateral extent of VOC soil contamination at the Drum Storage Pad Area is bounded to the north by the Sheldrake River and to the south by B-13. The eastern and western limits have been defined by B-1 and B-2, respectively.

Inorganic elements including chromium, iron, lead, magnesium, nickel, vanadium and zinc were detected at levels slightly above typical New York State Soil Concentrations (McGovern). In general, the exceedances were detected at B-11 and B-12 at the deeper sample depths. These data suggest that these metals are naturally occurring and are not related to the Drum Storage Pad Area.

#### **4.02.02 Underground Storage Tank Area**

As part of the Focused RI, five test borings were completed in and around the UST area. Specifically, B-17 was advanced in the excavation of the

former USTs, while B-18, B-19, B-20, and B-21 were installed around the perimeter of the UST Area. As part of an IRM, the tanks were removed and the affected soil was excavated to a depth of 11 ft. A ground recovery system was installed and is currently operating. Soil samples (June 1991) and one additional test boring (EB-1(October 1991)) were collected as part of the IRMs. These data are included in this discussion. More specific information regarding the IRM are presented in Appendix A1 and the IRM Report prepared by O'Brien & Gere, Engineers, Inc. dated June 1992. Data from Tables 1 through 6 and Figure 3 present the analytical data collected during the Focused RI.

The results of the New York State Target Compound List - Superfund Analyses completed at Boring 17 (8 to 10 ft) indicated that VOCs are the major concern at the this area (Table 3). Phthalates, which are common plasticizers, were found in various forms and their presence is likely related to field collection activities and/or laboratory contamination (Table 5). No PCB/pesticides (Table 6) or other semivolatile compounds (Table 5) were detected.

The highest VOC concentration was observed at B-17 which was located through the center of the UST Area. PCE (6,000 ppm) and TCA (2,200 ppm) were detected in this sample. VOCs were detected in the other borings in this area at lower concentrations. VOC concentrations increased with depth from the 3 ft to 9 ft sample to the 9 to 11 ft sample, but decreased between the 9 to 11 ft and the 11 to 15 ft samples by three orders of magnitude. As part of an IRM, the soil was excavated to 11 ft. Data from

B-17 (11 to 15 ft sample) indicated that acetone was detected at 74 ppm, which is likely due to laboratory contamination. Soil samples collected from immediately beneath the tank during the IRM also indicated levels of VOCs commensurate with B-17 (see Appendix A1).

EB-1, installed as part of an IRM and located near the edge of the former excavation, indicated VOCs at lower concentrations than B-17. Specifically, 1,1-DCA (4.9 ppm), 1,1-DCE (3.7), 1,2-DCE (36 ppm), PCE (78 ppm), TCA (67 ppm), TCE (5.2 ppm), and xylene (13 ppm) were detected. The decrease in concentrations when compared to the data collected at B-17 indicates that the majority of the affected soils were confined to the immediate area of the tanks.

The horizontal extent of VOCs in the soil around the UST Area was evaluated by borings B-18, B-19, B-20 and B-21. The locations of these borings were dictated by the presence of utilities and access inside the building. A complicating factor at the site, due to shallow depth to ground water (approximately 6 to 8 ft), is the differentiation between soil contamination and ground water contamination. Concentrations of VOCs in the upper ppm range indicate that the soil is contaminated while concentrations of VOCs in the low ppm to ppb range suggest that the VOCs observed are associated with ground water.

The affected soil in the UST Area is bounded to the east by B-21, where no VOCs were detected. To the west of the UST Area at B-19 (8 to 10 ft), ethylbenzene (0.15 ppm) xylene (0.92 ppm) and toluene (13 ppm) were detected. Concentrations of PCE (0.22 ppm) and 1,1-TCA (0.18 ppm) were

detected in the 18 to 20 ft sample. These VOCs are likely related to ground water contamination emanating from the UST area. To the north, analysis of B-20, which is located within the building, detected 1,2-DCE (0.24 ppm), PCE (2.1 ppm), toluene (4.3 ppm), TCE (3.4 ppm) and TCA (0.55 ppm). These concentrations are also more indicative of ground water contamination at the site. The VOC levels observed were greater than detected in other borings; however, B-20 is located immediately downgradient of the UST Area. At B-18, located south of the UST Area and within Hoyt Street, relatively low concentrations of PCE (0.78 ppm) and toluene (1.6 ppm) were detected in the 6 to 8 ft sample. The concentrations and the compounds detected suggest that the VOCs are likely related to the site and are attributed to the ground water. The decrease in VOC concentrations at B-17 from the 9 to 11 ft and the 11 to 15 ft samples (3 orders of magnitude) suggests the vertical extent of soil contamination is limited to the upper 11 ft at the UST area.

Inorganic data indicated that concentrations of various metals were detected in the borings at concentrations slightly above the typical soils in NYS. These concentrations may be naturally occurring.

#### **4.02.03 Wastewater Treatment Area**

As part of the Focused RI, three test borings (B-14, B-15 and B-16) were installed in the vicinity of the former Wastewater Treatment Area. This area was also investigated as part of the Site Assessment and the Environmental Assessment conducted in 1986. The results of the NYS Target Compound List - Superfund Analyses completed at Boring 15 (2 to 6 ft) are presented on

Tables 3 through 6. The results indicated that a number of semivolatile compounds were detected. These compounds are generally indicative of incomplete petroleum combustion. Review of boring logs indicated that the 2 to 6 ft interval was comprised of fill material. It is likely that the compounds are related to the fill material and are not related to site activities. Additionally, phthalates, which are common plasticizers, were also detected in the sample. No PCB/pesticides or other semivolatile compounds were detected. Several inorganic compounds were detected. Low levels of VOCs were detected including acetone (0.064 ppm), methylene chloride (0.003 ppm), 1,1,-DCA (0.002 ppm), TCA ( 0.001 ppm), PCE (0.011 ppm) and toluene (0.004 ppm). Similar concentrations of VOCs were also detected in the samples analyzed from B-14, B-15 and B-16. The concentrations are likely representative of ground water emanating from the UST area. The data do not suggest that a source of VOCs is present in the vicinity of the Wastewater Treatment Area.

The inorganic data indicated that concentrations were above NYS typical soil concentrations for copper, nickel, and zinc at B-14 (6 to 8 ft). These and other compounds were detected in the other samples slightly above NYS typical concentrations. Elevated concentrations of silver and copper were also detected in several samples collected during previous investigations.

#### **4.02.04 Fuel Oil Underground Storage Tank Area**

As part of the Focused RI, two test borings (B-22 and B-23) were to be installed around the perimeter of the 2,500 gallon UST. While drilling B-

22, free-phased fuel oil was observed and therefore, a ground water monitoring well was installed (MW-8). B-23, which was located to the south of the UST and within Hoyt Street, indicated TPH concentrations ranging from 460 ppm (4 to 6 ft) to 300 ppm (6 to 10 ft). B-24 was completed within 10 ft of MW-8 and free product was not observed.

Based on this information, a ground water recovery well (RW-1) was installed immediately adjacent to MW-8 as part of an IRM. The tank and surrounding soil (approximately 60 cubic yards) were excavated for disposal. The product recovery well and system were installed in February 1992 and are presently operational (6/92). The lateral extent of free product was defined to the east and west by B-24 and B-21, respectively. The southern edge of free product was determined during the tank removal and by B-23. The northern edge of free product was not determined but likely extends beneath the building. Specific information regarding the tank removal and product recovery system is presented in the IRM Report dated July 1992.

#### **4.03 Ground Water Analyses**

As part of the Focused RI, ground water samples were collected on two occasions from monitoring wells MW-2, MW-2d, MW-3, MW-3d, MW-4 and MW-4d for NYS TCL volatile organics using NYSDEC-ASP procedures, total petroleum hydrocarbons using USEPA Method 418.1, and dissolved (filtered) and total metals (unfiltered) according to NYSDEC-ASP. The results are summarized on Tables 8 and 9. Ground water data collected during the IRM from Well-5 (temporary dewatering well) and the permanent ground water recovery well (RW-2) installed in

the UST area are summarized on Table 10. The ground water data indicated that VOCs including TCA, TCE, PCE, 1,1-DCE, 1,2-DCE, 1,1-DCA, 1,2 DCA, 1,1-DCE, DCM, benzene, toluene and chloroform were detected.

The highest concentrations of VOCs in the ground water have been detected in the permanent ground water recovery well RW-2 installed at the former UST Area. RW-2 detected TCA (85,000 ppb) and PCE (130,000 ppm) on the April 10, 1992 sampling date. The sample from RW-2 collected on June 17, 1992 indicated a variety of VOCs including TCA (70,000 ppb), PCE (15,000 ppb), 1,2-DCE (1,700 ppb), 1,1-DCA (5,500 ppb), 1,1-DCE (1,200 ppb), TCE (1,000 ppb) and toluene (3,900 ppb). Although the chemical constituents detected varied between the April and June sampling dates, the total VOC concentrations (215,000 ppb versus 123,600) indicate that the IRMs at the Former UST Area have had a positive affect and that the ground water quality continues to improve.

Well MW-4, installed hydraulically upgradient of the facility within Hoyt Avenue, detected 1,2-DCE (74 ppb), vinyl chloride (9 ppb) and TCE (2 ppb) during the February sampling event while only TCE (38 ppb) was detected in the April sampling event. PCE was detected at 3 ppb in the deep well in the February sampling event while no VOCs were detected in the April sampling event. These concentrations are likely the result of chemical dispersion from the UST area although they could represent an upgradient source.

The concentrations of VOCs decrease downgradient of the UST area. At well nest MW-2, located on the western portion of the site adjacent to Sheldrake Creek, 1,1-DCA and 1,1-DCE were detected at 22 ppb and 19 ppb in MW-2 during the February sampling event. During the April sampling event, VC (130 ppb) and 1,1-

DCA (60 ppb) were detected. Similar concentrations of VOCs were observed in deep well MW-2d. The concentrations of VOCs in this area are likely related to soil contamination in the Drum Storage Pad Area as well as the UST Area. The concentration of VOCs in the February sampling event was greater in the deep well than the shallow wells, but the relative concentrations were reversed in the April sampling event. This suggests that concentration of VOCs are evenly distributed between the shallow and deep zones at wells MW-2 and MW-2d.

Monitoring wells MW-3 and MW-3d, located downgradient of the UST area along the eastern portion of the site adjacent to the Sheldrake River, indicated higher levels of VOCs than were detected at MW-2 and MW-2d. These higher levels may be attributed to the location of MW-3, which is more directly downgradient of the UST area based on the ground water flow direction determined in February 1992. Specifically, 1,1-DCE (410 ppb), 1,1-DCA (220 ppb), and TCA (530 ppb) were detected while other VOCs were detected at low concentrations during the February sampling event. Similar concentrations were detected in the April sampling event. MW-3d, screened in the sand deposit, indicated lower concentrations of VOCs than MW-3. In well MW-3d, PCE (420 ppb) and TCA (330 ppb) were detected on February 19, 1992 while other related VOCs were detected at less than 20 ppb. The VOC concentrations were greater in the shallow well than in the deep well in both the February and April sampling events. The deep well detected PCE and TCA in the highest concentrations, while typical degradation products such as 1,1-DCE, 1,1-DCA, and 1,2-DCE were detected in the shallow wells. This suggests that there is an increased rate of biological degradation in the shallow zone when compared to the deeper zone.

The vertical extent of VOCs in the ground water is assumed to be defined by the top of bedrock. The southern and western extent of VOCs are in the vicinity of well nest MW-4 and MW-2 based on the relatively low concentrations of VOCs observed. The actual extent of contamination could not be defined to the south as a result of the Amtrak train lines, nor to the west where permission could not be obtained to access the property. The eastern extent of contamination was not defined. The northern extent of contamination is likely limited by the Sheldrake River.

For the purposes of this report, only the results of the dissolved (filtered) inorganic analyses are discussed. Both dissolved (filtered) and unfiltered (total) samples were collected because the ground water samples contained sediment as indicated by turbidity values greater than 50 NTUs. Although NYCRR Part 703 Standards and NYSDOH drinking water standards are based on unfiltered samples, the NYS Class GA and NYS Maximum Contaminant Limit (MCL) for turbidity limits for drinking water supplies are 5 and 1 NTUs, respectively. When low turbidity values are encountered, both filtered and unfiltered samples have similar concentrations of inorganic elements due to the limited presence of sediment to dissolve in the ground water. When greater amounts of sediment are present in the ground water, the metallic ions from the sediment dominate the ground water chemistry. Therefore, unfiltered ground water samples should not be considered representative of drinking water.

The results of the filtered inorganic data presented on Table 9 indicated that sodium, iron, magnesium, and manganese occurred above NYS MCLs and/or Class GA standards. The elevated concentrations of iron, manganese, and magnesium are

likely naturally occurring as the concentrations of some inorganics are higher in the upgradient wells. The elevated sodium concentrations may be related to road salt, since the greatest concentrations were observed at MW-4 located within Hoyt Avenue.

#### **4.04 Surface Water/Stream Sediment Chemistry**

As part of the Focused RI, sediment and surface water samples were collected from three locations along the Sheldrake River during the February 1992 and April 1992 sampling events. The samples collected were analyzed for NYS TCL volatile organics using NYSDEC-ASP procedures, total petroleum hydrocarbons using USEPA Method 418.1, and NYS TCL - total inorganics (unfiltered) according to NYSDEC-ASP. The results are summarized on Tables 11 through 14 and Figures 10, 11, and 12. It should be noted that the river in this area contains debris typically consisting of automobile parts, glass and assorted refuse. Additionally, on January 31, 1992 at 08230, a petroleum sheen and gasoline odor was observed at the Sheldrake River. This sheen and odor emanated from a nearby facility. The spill was reported to the Mamaroneck police and fire departments by employees of the Village of Mamaroneck.

##### **4.04.01 Surface Water Chemistry**

The surface water chemistry data indicated that 1,2-DCE, TCA, and TCE were detected at 10 ppb at SW-1 (upstream location) and 11 ppb at SW-2 (midpoint of site) during the February sampling event as indicated on Figure 11. VOCs were not detected at SW-3, located downstream of the site,

during the February sampling event. TCA was detected in the April sampling event at 24 ppb at SW-1 and SW-2, and at 19 ppb at SW-3. This suggests that a source of VOCs is located upstream of the site and that the site is not impacting the Sheldrake River.

The results of the inorganic analyses indicated that aluminum, iron and manganese were detected above NYS Class A surface water standards both upstream and downstream of the site. These elements are likely naturally occurring and/or related to the urban setting of site and are not directly related to the site. Silver was detected at SW-3 in the February sampling event at 54.1 ppb, which is slightly above the NYS Class A surface water standard of 50 ppb. Silver was detected below the standard in the April sampling event. In addition, the analytical detection limit for cobalt (6.9 ppb to 10.4 ppb ) was above the Class A standard of 5 ppb. Total petroleum hydrocarbons were detected in the February sampling event at concentrations ranging from 10.9 ppm to 11.3 ppm, but were not detected in the April sampling event. The highest concentration of 11.3 ppm was observed upstream of the site. These TPH analyses further suggest that upstream sources of contamination, including the recently documented gasoline release are present.

#### **4.04.02 Stream Sediment Chemistry**

The sediment samples collected indicated MC, 1,2-DCE, TCE and PCE were detected at low concentrations (0.003 ppm to 0.008 ppm) at SS-1 and SS-2, which are located upstream and at the midpoint of the site, during

the February sampling event (see Figure 11 and Table 13). VOCs were not detected downstream of the site at SS-3 on this date. During the April sampling event, VOCs were not observed at SS-1 and SS-2, but were detected at SS-3. Specifically, chloroform (0.007 ppm), TCA (0.019 ppm) and PCE (0.014 ppm) were detected at SS-3. Elevated concentrations of TPHs were measured in stream sediments ranging from 23,000 ppm downstream in February to 747 ppm at the same location in April 1992. The elevated TPH analyses may be due in part to the petroleum spill which was observed on January 31, 1992.

Results of the inorganic data generally indicated greater concentrations at SS-2 and SS-3 than at SS-1 which is located upstream (see Figure 12 and Table 14). Elements which were detected above the typical range for New York State soils included arsenic, beryllium, cadmium, chromium, copper, iron, lead, magnesium, mercury, nickel, vanadium and zinc. Stream sediment sample SS-3 collected in February 1992 generally indicated concentrations between 4 and 10 times greater than other samples collected on the same date or from the sample collected at the same location in April 1992. These variations, as well as variations between duplicate samples collected on the same date, indicate that great variability exists in the stream sediment. This is likely related to the river being located in an industrial area and the asserted debris observed in the river.

## SECTION 5 - CONCLUSIONS

The following information was obtained during the Phase I Remedial Investigation.

1. The geology of the site geology is represented by a shallow unit and deep unit. The shallow unit is comprised of fill, silt, sand, and a peat layer. The deeper unit is characterized by sand and gravels which lie immediately above bedrock.
2. The ground water flow direction in both the shallow zones and deep zones is to the north - northeast varies depending upon the stage of the Sheldrake River. The shallow and deep groundwater systems probably discharge to the Sheldrake River.
3. The analytical data from samples collected at the drum storage pad indicated that TCA, TCE, TTCE, PCE, DCE, DCA, xylene, toluene and other related compounds were found in the soil. The information indicated that the greatest concentrations of VOCs (160 ppm of TCA) were observed in June 1986 in the vicinity of SB-8, which is located on the adjacent property. The vertical extent of soil contamination in the area is limited to a depth of about 6 ft. The lateral extent of soil contamination at the drum storage pad is bounded to the north by the Sheldrake River and to the south by B-13. The eastern and western limits have been defined by B-1 and B-2, respectively.

4. The major concern at the UST area is VOCs. The highest VOC concentration of VOCs was observed at B-17 (9 to 11 ft) and contained PCE (6,000 ppm) and TCA (2,200 ppm). The concentrations of VOCs decreased significantly with depth at B-17. The vertical extent of soil contamination is about 11 feet. The horizontal extent of the VOCs in the soil around the UST area is bounded to the east by B-21, to the north by B-20, and to the south by B-18, which is within Hoyt Street. The western extent of contamination is defined by B-19. Based on this information, a ground water recovery well (RW-2) was installed in this area.
5. Free-phased fuel oil was observed during drilling of B-22 at the Fuel Oil UST area. The lateral extent of free product was defined to the east and west by B-24 and B-21, respectively. The southern edge of free product was determined during the tank removal and by B-23. The northern edge of free product was not determined, but likely extends beneath the building. Based on this information, a product recovery well (RW-1) was installed and is presently operating.
6. The analytical results of the soils in the vicinity of the former wastewater treatment area did not indicate the area is a source of VOCs. The results indicate concentrations of semivolatiles including anthracene, flouranthrene, pyrene, benzo(a)anthracene, benzoflouranthrene and other associated compounds at B-

15 (2 to 6 ft). The inorganic data indicated elevated concentrations of some metals.

7. The highest concentrations of VOCs in ground water (215,000) ppb has been detected in the area near Well-5 and RW-2. The primary VOCs at the UST include PCE and TCA. The southern and western extent of VOCs is in the vicinity of well nest MW-4 and MW-2. The eastern extent of contamination is not defined, as significant concentrations of VOCs were observed at well nest MW-3. The northern extent of contamination is likely limited by the Sheldrake River. The vertical extent of VOCs in the ground water is assumed to be defined by the top of bedrock. Several dissolved inorganic compounds were detected, but are attributed to background conditions.
8. The results of the surface water/stream sediment sampling indicated that the site is having little, if any, impact on the Sheldrake River. In the vicinity of the site, assorted garbage and automobile parts were found within the river. During the field work, petroleum was observed being discharged to the river from a nearby business. VOCs and/or inorganics were detected both upstream and downstream of the site.

## Tables



**O'BRIEN & GERE**  
ENGINEERS, INC.

TABLE 1

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NEW YORK

## SOIL ORGANIC DATA

| DATE COLLECTED             | DEPTH   | (FLD DUP)    |                |              |                |              |                 |              |                 |                |              |                |                |              |
|----------------------------|---------|--------------|----------------|--------------|----------------|--------------|-----------------|--------------|-----------------|----------------|--------------|----------------|----------------|--------------|
|                            |         | B-11<br>6-8' | B-11<br>10-12' | B-12<br>6-8' | B-12<br>10-14' | B-13<br>4-8' | B-13<br>1/28/92 | B-13<br>4-8' | B-13<br>1/28/92 | B-13<br>10-12' | B-14<br>6-8' | B-14<br>16-18' | B-15<br>0.5-2' | B-15<br>6-8' |
| Chloromethane              | 1/28/92 | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001          | <0.001       | 0.063           | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |
| Bromomethane               | 1/28/92 | <1.2         | <1.3           | <1.3         | <1.4           | <0.013       | <0.013          | <0.013       | <0.013          | <0.013         | <0.015       | <0.013         | <0.012         | <0.014       |
| Vinyl Chloride             | 1/28/92 | <62          | <64            | <63          | <68            | <63          | <63             | <65          | <67             | <67            | <77          | <67            | <61            | <68          |
| Chloroethane               | 1/28/92 | <0.62        | <0.64          | <0.63        | <0.68          | <0.006       | <0.006          | <0.006       | <0.007          | <0.007         | <0.008       | <0.007         | <0.006         | <0.007       |
| Methylene Chloride         | 1/28/92 | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001          | <0.001       | <0.001          | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |
| 1,1-Dichloroethene         | 1/28/92 | <1.2         | <1.3           | <1.3         | <1.4           | <0.013       | <0.013          | <0.013       | <0.013          | <0.013         | <0.015       | <0.013         | <0.012         | <0.014       |
| 1,1-Dichloroethane         | 1/28/92 | <1.2         | <1.3           | <1.3         | <1.4           | <0.013       | <0.013          | <0.013       | <0.013          | <0.013         | <0.015       | <0.013         | <0.012         | <0.014       |
| 1,2-Dichloroethene (total) | 1/28/92 | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001          | <0.001       | <0.001          | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |
| Chloroform                 | 1/28/92 | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001          | <0.001       | <0.001          | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |
| 1,2-Dichloroethane         | 1/28/92 | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001          | <0.001       | <0.001          | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |
| 1,1,1-Trichloroethane      | 1/28/92 | <1.2         | <1.3           | <1.3         | <1.4           | <0.013       | <0.013          | <0.013       | <0.013          | <0.013         | <0.015       | <0.013         | <0.012         | <0.014       |
| Carbon Tetrachloride       | 1/28/92 | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001          | <0.001       | <0.001          | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |
| Bromodichloromethane       | 1/28/92 | <1.2         | <1.3           | <1.3         | <1.4           | <0.013       | <0.013          | <0.013       | <0.013          | <0.013         | <0.015       | <0.013         | <0.012         | <0.014       |
| 1,2-Dichloropropane        | 1/28/92 | <1.2         | <1.3           | <1.3         | <1.4           | <0.013       | <0.013          | <0.013       | <0.013          | <0.013         | <0.015       | <0.013         | <0.012         | <0.014       |
| cis-1,3-Dichloropropene    | 1/28/92 | <1.2         | <1.3           | <1.3         | <1.4           | <0.013       | <0.013          | <0.013       | <0.13           | <0.13          | <0.15        | <0.13          | <0.12          | <0.14        |
| Trichloroethene            | 1/28/92 | <0.62        | <0.64          | <0.63        | <0.68          | <0.006       | <0.006          | <0.006       | <0.007          | <0.007         | <0.008       | <0.007         | <0.006         | <0.007       |
| Dibromochloromethane       | 1/28/92 | <0.62        | <0.64          | <0.63        | <0.68          | <0.006       | <0.006          | <0.006       | <0.007          | <0.007         | <0.008       | <0.007         | <0.006         | <0.007       |
| 1,1,2-Trichloroethane      | 1/28/92 | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001          | <0.001       | <0.001          | <0.001         | ***          | <0.001         | <0.001         | <0.001       |
| Benzene                    | 1/28/92 | <1.2         | <1.3           | <1.3         | <1.4           | <0.013       | <0.013          | <0.013       | <0.013          | <0.013         | <0.015       | <0.013         | <0.012         | <0.014       |
| Trans-1,3-Dichloropropene  | 1/28/92 | <0.62        | <0.64          | <0.63        | <0.68          | <0.006       | <0.006          | <0.006       | <0.007          | <0.007         | <0.008       | <0.007         | <0.006         | <0.007       |
| Tetrachloroethene          | 1/28/92 | <0.62        | <0.64          | <0.63        | <0.68          | <0.006       | <0.006          | <0.006       | <0.007          | <0.007         | <0.008       | <0.007         | <0.006         | <0.007       |
| 1,1,2,2-Tetrachloroethane  | 1/28/92 | <0.62        | <0.64          | <0.63        | <0.68          | <0.006       | <0.006          | <0.006       | <0.007          | <0.007         | <0.008       | <0.007         | <0.006         | <0.007       |
| Toluene                    | 1/28/92 | <1.2         | <1.3           | <1.3         | <1.4           | <0.013       | <0.013          | <0.013       | <0.13           | <0.13          | <0.015       | <0.013         | <0.012         | <0.014       |
| Chlorobenzene              | 1/28/92 | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001          | <0.001       | <0.001          | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |

NOTES: Concentrations reported in mg/kg (ppm).

<1 - Compound not detected. "1" identifies the detection limit.

Compound is detected.

\*\*\* - These 3 compounds coelute using a SP1000 column.

One of these 3 was detected at a concentration of 2 ppb.

NA - Not Analyzed.

B - Detected in Blank.

TABLE 1

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NEW YORK

## SOIL ORGANIC DATA

| DEPTH                        | DATE COLLECTED | (FLD DUP)    |                |              |                |              |              |                |              |                |                |              |  |
|------------------------------|----------------|--------------|----------------|--------------|----------------|--------------|--------------|----------------|--------------|----------------|----------------|--------------|--|
|                              |                | B-11<br>6-8' | B-11<br>10-12' | B-12<br>6-8' | B-12<br>10-14' | B-13<br>4-8' | B-13<br>4-8' | B-13<br>10-12' | B-14<br>6-8' | B-14<br>16-18' | B-15<br>0.5-2' | B-15<br>6-8' |  |
|                              |                | 1/28/92      | 1/28/92        | 1/28/92      | 1/28/92        | 1/28/92      | 1/28/92      | 1/28/92        | 1/31/92      | 1/31/92        | 2/3/92         | 2/3/92       |  |
| Ethylbenzene                 |                | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001       | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |  |
| Xylene (total)               |                | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001       | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |  |
| 1,2-Dichloroethylene (total) |                | <0.12        | <0.13          | <0.13        | <0.14          | 0.004        | 0.004        | <0.001         | 0.002        | <0.001         | <0.001         | <0.001       |  |
| Dichloromethane              |                | <0.12        | <0.13          | <0.13        | <0.14          | 0.003        | 0.004        | 0.003 B        | <0.002       | <0.001         | <0.001         | <0.001       |  |
| 1,2-Dichloropropane          |                | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001       | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |  |
| Cis-1,3-Dichloropropylene    |                | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001       | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |  |
| Trans-1,3-Dichloropropylene  |                | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001       | <0.001         | ***          | <0.001         | <0.001         | <0.001       |  |
| Ethylbenzene                 |                | <1.2         | <0.13          | <1.3         | <1.4           | <0.001       | <0.001       | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |  |
| 1,1,2,2-Tetrachloroethane    |                | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001       | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |  |
| 1,1,1,2-Tetrachloroethane    |                | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001       | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |  |
| Tetrachloroethylene          |                | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001       | <0.001         | 0.014        | 0.001          | <0.001         | <0.001       |  |
| Toluene                      |                | <1.2         | <0.13          | <1.3         | <1.4           | 0.003        | <0.001       | <0.001         | 0.006        | <0.001         | 0.001          | <0.001       |  |
| 1,1,1-Trichloroethane        |                | <0.12        | <0.13          | <0.13        | <0.14          | 0.003        | 0.004        | <0.001         | 0.009        | 0.004          | <0.001         | <0.001       |  |
| 1,1,2-Trichloroethane        |                | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001       | <0.001         | ***          | <0.001         | <0.001         | <0.001       |  |
| Trichloroethylene            |                | 0.7          | <0.13          | <0.13        | <0.14          | 0.034        | 0.042        | 0.004          | 0.003        | <0.001         | <0.001         | <0.001       |  |
| Trichlorofluoropropane       |                | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001       | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |  |
| 1,2,3-Trichloropropane       |                | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001       | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |  |
| Vinyl Chloride               |                | <0.12        | <0.13          | <0.13        | <0.14          | <0.001       | <0.001       | <0.001         | <0.002       | <0.001         | <0.001         | <0.001       |  |
| Xylene (total)               |                | <1.2         | <0.38          | 0.7          | <4.1           | <0.004       | <0.004       | 0.02           | <0.005       | <0.004         | <0.004         | <0.004       |  |
| Acetone                      |                | <12          | <13            | <13          | <14            | 0.13         | 0.21         | 0.3            | <0.15        | <0.13          | <0.12          | 0.14         |  |
| Methylethyl Ketone           |                | <6.2         | <6.4           | <6.3         | <6.8           | <0.063       | <0.063       | <0.067         | <0.077       | <0.067         | <0.061         | <0.068       |  |
| Methylisobutyl Ketone        |                | <1.2         | <1.3           | <1.3         | <1.4           | <0.013       | <0.013       | <0.013         | <0.015       | <0.013         | <0.012         | <0.014       |  |
| Total Petroleum Hydrocarbons |                | 8,800        | <100           | 11,000       | 140            | <100         | <100         | <100           | <100         | <100           | <100           | <100         |  |

NOTES: Concentrations reported in mg/kg (ppm).

<1 - Compound not detected. "1" identifies the detection limit.

Compound is detected.

\*\*\* - These 3 compounds coelute using a SP1000 column.

One of these 3 was detected at a concentration of 2 ppb.

NA - Not Analyzed.

B - Detected in Blank.

TABLE 1

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NEW YORK

## SOIL ORGANIC DATA

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DEPTH          |        | (FLD DUP)    |              |                |              |               |              |               |              | (FLD DUP)     |                |               |                | COMP.           |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|--------------|--------------|----------------|--------------|---------------|--------------|---------------|--------------|---------------|----------------|---------------|----------------|-----------------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DATE COLLECTED |        | B-15<br>6-8' | B-16<br>2-4' | B-16<br>10-14' | B-17<br>3-9' | B-17<br>9-11' | B-18<br>6-8' | B-18<br>27/92 | B-18<br>6-8' | B-18<br>27/92 | B-18<br>12-14' | B-19<br>8-10' | B-19<br>18-20' | B-20<br>0.5-13' |  |
| Chloromethane<br>Bromomethane<br>Vinyl Chloride<br>Chloroethane<br>Methylene Chloride<br>1,1-Dichloroethene<br>1,1-Dichloroethane<br>1,2-Dichloroethene (total)<br>Chloroform<br>1,2-Dichloroethane<br>1,1,1-Trichloroethane<br>Carbon Tetrachloride<br>Bromodichloromethane<br>1,2-Dichloropropane<br>cis-1,3-Dichloropropene<br>Trichloroethene<br>Dibromochloromethane<br>1,1,2-Trichloroethane<br>Benzene<br>Trans-1,3-Dichloropropene<br>Tetrachloroethene<br>1,1,2,2-Tetrachloroethane<br>Toluene<br>Chlorobenzene | 2/3/92         | 2/3/92 | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13          | <0.13         | <0.13          | <0.13           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <0.013         | <0.012 | <0.013       | <1,900       | <2,900         | <1,900       | <2,900        | <1.8         | <1.4          | <0.011       | <1.3          | <1.3           | <1.3          | <1.3           | <1.3            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <0.64          | <0.59  | <0.63        | <96,000      | <140,000       | <91          | <72           | <0.56        | <66           | <63          | <63           | <63            | <63           | <63            | <63             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <0.006         | <0.006 | <0.006       | <960         | <1,400         | <0.91        | <0.72         | <0.006       | <0.66         | <0.63        | <0.63         | <0.63          | <0.63         | <0.63          | <0.63           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <0.001         | <0.001 | <0.001       | <190         | <290           | <0.18        | <0.14         | <0.001       | <0.13         | <0.13        | <0.13         | <0.13          | <0.13         | <0.13          | <0.13           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <0.013         | <0.012 | <0.013       | <1,900       | <2,900         | <1.8         | <1.4          | <0.011       | <1.3          | <1.3         | <1.3          | <1.3           | <1.3          | <1.3           | <1.3            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <0.013         | <0.012 | <0.013       | <1,900       | <2,900         | <1.8         | <1.4          | <0.011       | <1.3          | <1.3         | <1.3          | <1.3           | <1.3          | <1.3           | <1.3            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <0.001         | <0.001 | <0.001       | <190         | <290           | <0.18        | <0.14         | <0.001       | <0.13         | <0.13        | <0.13         | <0.13          | <0.13         | <0.13          | <0.13           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <0.001         | <0.001 | <0.001       | <190         | <290           | <0.18        | <0.14         | <0.001       | <0.13         | <0.13        | <0.13         | <0.13          | <0.13         | <0.13          | <0.13           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <0.001         | <0.001 | <0.001       | <190         | <290           | <0.18        | <0.14         | <0.001       | <0.13         | <0.13        | <0.13         | <0.13          | <0.13         | <0.13          | <0.13           |  |
| <0.013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.012         | <0.013 | <1,900       | <2,900       | <1.8           | <1.4         | <0.011        | <1.3         | <1.3          | <1.3         | <1.3          | <1.3           | <1.3          | <1.3           |                 |  |
| <0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.001         | <0.001 | <190         | <290         | <0.18          | <0.14        | <0.001        | <0.13        | <0.13         | <0.13        | <0.13         | <0.13          | <0.13         | <0.13          |                 |  |
| <0.013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.012         | <0.013 | <1,900       | <2,900       | <1.8           | <1.4         | <0.011        | <1.3         | <1.3          | <1.3         | <1.3          | <1.3           | <1.3          | <1.3           |                 |  |
| <0.013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.012         | <0.013 | <1,900       | <2,900       | <1.8           | <1.4         | <0.011        | <1.3         | <1.3          | <1.3         | <1.3          | <1.3           | <1.3          | <1.3           |                 |  |
| <0.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <0.12          | <0.13  | <19,000      | <29,000      | <18            | <14          | <0.11         | <13          | <13           | <13          | <13           | <13            | <13           | <13            |                 |  |
| <0.006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.006         | <0.006 | <960         | <1,400       | <0.91          | <0.72        | <0.006        | <0.66        | <0.63         | <0.63        | <0.63         | <0.63          | <0.63         | <0.63          |                 |  |
| <0.006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.006         | <0.006 | <960         | <1,400       | <0.91          | <0.72        | <0.006        | <0.66        | <0.63         | <0.63        | <0.63         | <0.63          | <0.63         | <0.63          |                 |  |
| <0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.001         | <0.001 | <190         | <290         | <0.18          | <0.14        | <0.001        | <0.13        | <0.13         | <0.13        | <0.13         | <0.13          | <0.13         | <0.13          |                 |  |
| <0.013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.012         | <0.013 | <1,900       | <29,000      | <1.8           | <1.4         | <0.011        | <1.3         | <1.3          | <1.3         | <1.3          | <1.3           | <1.3          | <1.3           |                 |  |
| <0.006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.006         | <0.006 | <960         | <1,400       | <0.91          | <0.72        | <0.006        | <0.66        | <0.63         | <0.63        | <0.63         | <0.63          | <0.63         | <0.63          |                 |  |
| <0.006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.006         | <0.006 | <960         | <1,400       | <0.91          | <0.72        | <0.006        | <0.66        | <0.63         | <0.63        | <0.63         | <0.63          | <0.63         | <0.63          |                 |  |
| <0.006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.006         | <0.006 | <960         | <1,400       | <0.91          | <0.72        | <0.006        | <0.66        | <0.63         | <0.63        | <0.63         | <0.63          | <0.63         | <0.63          |                 |  |
| <0.013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.012         | <0.013 | <1,900       | <29,000      | <1.8           | <1.4         | <0.011        | <1.3         | <1.3          | <1.3         | <1.3          | <1.3           | <1.3          | <1.3           |                 |  |
| <0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.001         | <0.001 | <190         | <290         | <0.18          | <0.14        | <0.001        | <0.13        | <0.13         | <0.13        | <0.13         | <0.13          | <0.13         | <0.13          |                 |  |
| <0.001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <0.001         | <0.001 | <190         | <290         | <0.18          | <0.14        | <0.001        | <0.13        | <0.13         | <0.13        | <0.13         | <0.13          | <0.13         | <0.13          |                 |  |

## NOTES:

Concentrations reported in mg/kg (ppm).

&lt;1 - Compound not detected. "1" identifies the detection limit.

Compound is detected.

\*\*\* - These 3 compounds coelute using a SP1000 column.

One of these 3 was detected at a concentration of 2 ppb.

NA - Not Analyzed.

B - Detected in Blank.

TABLE 1

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NEW YORK

## SOIL ORGANIC DATA

| DATE COLLECTED               | DEPTH | (FLD DUP)    |              |                |              |               |              |               |              |               |               | COMP.          |                 |
|------------------------------|-------|--------------|--------------|----------------|--------------|---------------|--------------|---------------|--------------|---------------|---------------|----------------|-----------------|
|                              |       | B-15<br>6-8' | B-16<br>2-4' | B-16<br>10-14' | B-17<br>3-9' | B-17<br>9-11' | B-18<br>6-8' | B-18<br>27/92 | B-18<br>6-8' | B-18<br>27/92 | B-19<br>8-10' | B-19<br>18-20' | B-20<br>0.5-13' |
| Ethylbenzene                 |       | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | <0.13           |
| Xylene (total)               |       | <0.001       | <0.001       | 0.004          | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | <0.13           |
| 1,2-Dichloroethylene (total) |       | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | 0.24            |
| Dichloromethane              |       | <0.001       | <0.001       | 0.001          | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | <0.13           |
| 1,2-Dichloropropane          |       | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | <0.13           |
| Cis-1,3-Dichloropropylene    |       | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | <0.13           |
| Trans-1,3-Dichloropropylene  |       | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | <0.13           |
| Ethylbenzene                 |       | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | 0.15          | <0.13         | <0.13          | <0.13           |
| 1,1,2,2-Tetrachloroethane    |       | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | <0.13           |
| 1,1,1,2-Tetrachloroethane    |       | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | <0.13           |
| Tetrachloroethylene          |       | <0.001       | <0.001       | 0.003          | 5,200        | 6,000         | 0.78         | 0.14          | 0.002        | <0.13         | 0.22          | 0.22           | 2.1             |
| Toluene                      |       | 0.001        | <0.001       | <0.001         | <190         | <290          | 1.6          | 1.9           | <0.001       | 13            | <0.13         | <0.13          | 4.3             |
| 1,1,1-Trichloroethane        |       | <0.001       | <0.001       | 0.005          | 1,100        | 2,200         | <0.18        | <0.14         | <0.001       | <0.13         | 0.18          | 0.18           | 0.55            |
| 1,1,2-Trichloroethane        |       | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | <0.13           |
| Trichloroethylene            |       | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | 3.4             |
| Trichlorofluoropropane       |       | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | <0.13           |
| 1,2,3-Trichloropropane       |       | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | <0.13           |
| Vinyl Chloride               |       | <0.001       | <0.001       | <0.001         | <190         | <290          | <0.18        | <0.14         | <0.001       | <0.13         | <0.13         | <0.13          | <0.13           |
| Xylene (total)               |       | <0.004       | <0.004       | <0.004         | <580         | <860          | <0.55        | <0.43         | <0.003       | 0.92          | <0.38         | <0.38          | <0.38           |
| Acetone                      |       | 0.14         | <0.12        | <0.13          | <19,000      | <29,000       | <18          | <14           | <0.11        | <13           | <13           | <13            | <13             |
| Methylethyl Ketone           |       | <0.068       | <0.059       | <0.063         | <9,600       | <14,000       | <9.1         | <7.2          | <0.056       | <6.6          | <6.3          | <6.3           | <6.3            |
| Methylisobutyl Ketone        |       | <0.013       | <0.012       | <0.013         | <1,900       | <2,900        | <1.8         | <1.4          | <0.011       | <1.3          | <1.3          | <1.3           | <1.3            |
| Total Petroleum Hydrocarbons |       | <100         | 610          | <100           | 13,000       | 2,400         | <100         | <100          | <100         | <100          | <100          | <100           | 170             |

## NOTES:

Concentrations reported in mg/kg (ppm).

&lt;1 - Compound not detected. "1" identifies the detection limit.

Compound is detected.

\*\*\* - These 3 compounds coelute using a SP1000 column.

One of these 3 was detected at a concentration of 2 ppb.

NA - Not Analyzed.

B - Detected in Blank.

TABLE 1

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NEW YORK

## SOIL ORGANIC DATA

|                            | DATE COLLECTED |      | DEPTH  |        | B-21   |        | B-22   |        | B-22   |        | B-23   |        | B-23   |        |
|----------------------------|----------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                            |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Chloromethane              | B-21           | 6-8' | 2/4/92 | 10-12' | 2/4/92 | 2/4/92 | 2/4/92 | 2/4/92 | 2/4/92 | 2/4/92 | 2/4/92 | 2/4/92 | 2/4/92 | 2/4/92 |
| Bromomethane               |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Vinyl Chloride             |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Chloroethane               |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Methylene Chloride         |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| 1,1-Dichloroethene         |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| 1,1-Dichloroethane         |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| 1,2-Dichloroethene (total) |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Chloroform                 |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| 1,2-Dichloroethane         |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| 1,1,1-Trichloroethane      |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Carbon Tetrachloride       |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Bromodichloromethane       |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| 1,2-Dichloropropane        |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| cis-1,3-Dichloropropene    |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Trichloroethene            |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Dibromochloromethane       |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| 1,1,2-Trichloroethane      |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Benzene                    |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Trans-1,3-Dichloropropene  |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Tetrachloroethene          |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| 1,1,2,2-Tetrachloroethane  |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Toluene                    |                |      |        |        |        |        |        |        |        |        |        |        |        |        |
| Chlorobenzene              |                |      |        |        |        |        |        |        |        |        |        |        |        |        |

NOTES: Concentrations reported in mg/kg (ppm).

<1 - Compound not detected. "1" identifies the detection limit.

Compound is detected.

\*\*\* - These 3 compounds coelute using a SP1000 column.

One of these 3 was detected at a concentration of 2 ppb.

NA - Not Analyzed.

B - Detected in Blank.

TABLE 1

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NEW YORK

## SOIL ORGANIC DATA

|                              | DEPTH | DATE COLLECTED | B-21   | B-21   | B-22   | B-22   | B-22   | B-23   | B-23 |
|------------------------------|-------|----------------|--------|--------|--------|--------|--------|--------|------|
|                              |       |                | 6-8'   | 10-12' | 4-6'   | 12-14' | 4-6'   | 6-10'  |      |
|                              |       |                | 2/4/92 | 2/4/92 | 2/4/92 | 2/4/92 | 2/7/92 | 2/7/92 |      |
| Ethylbenzene                 |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| Xylene (total)               |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| 1,2-Dichloroethylene (total) |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| Dichloromethane              |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| 1,2-Dichloropropane          |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| Cis-1,3-Dichloropropylene    |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| Trans-1,3-Dichloropropylene  |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| Ethylbenzene                 |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| 1,1,2,2-Tetrachloroethane    |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| 1,1,1,2-Tetrachloroethane    |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| Tetrachloroethylene          |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| Toluene                      |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| 1,1,1-Trichloroethane        |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| 1,1,2-Trichloroethane        |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| Trichloroethylene            |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| Trichlorofluoropropane       |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| 1,2,3-Trichloropropane       |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| Vinyl Chloride               |       |                | <0.13  | <0.001 | NA     | NA     | NA     | NA     | NA   |
| Xylene (total)               |       |                | <0.4   | <0.004 | NA     | NA     | NA     | NA     | NA   |
| Acetone                      |       |                | <13    | <0.13  | NA     | NA     | NA     | NA     | NA   |
| Methylethyl Ketone           |       |                | <6.7   | <0.067 | NA     | NA     | NA     | NA     | NA   |
| Methylisobutyl Ketone        |       |                | <1.3   | <0.013 | NA     | NA     | NA     | NA     | NA   |
| Total Petroleum Hydrocarbons |       |                | 1,600  | <100   | 23,000 | 13,000 | 460    | 300    |      |

## NOTES:

Concentrations reported in mg/kg (ppm).

&lt;1 - Compound not detected. "1" identifies the detection limit.

Compound is detected.

\*\*\* - These 3 compounds coelute using a SP1000 column.

One of these 3 was detected at a concentration of 2 ppb.

NA - Not Analyzed.

B - Detected in Blank.

TABLE 2

PHASE I REMEDIAL INVESTIGATION  
ITT SEAELECTRO  
MAMARONECK, NY

## SOIL INORGANIC DATA

|           | NYS RANGE     | DEPTH | DATE COLLECTED | B-11<br>6-8' | B-11<br>10-12' | B-12<br>6-8' | B-12<br>10-14' | B-13<br>4-8' | B-13<br>10-12' | B-14<br>6-8' | B-14<br>10-18' |
|-----------|---------------|-------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|
|           |               |       |                | 1/28/92      | 1/28/92        | 1/27/92      | 1/27/92        | 1/28/92      | 1/28/92        | 1/31/92      | 1/31/92        |
| Aluminum  | 1,000-25,000  |       |                | 11,900       | 17,600         | 18,200       | 22,800         | 13,200       | 10,300         | 28,400       | 10,100         |
| Antimony  | NE            |       |                | 6 B          | 10.8 B         | 4 B          | 6.6 B          | 4.1 B        | 3.7 U          | 4.3 U        | 8.2 B          |
| Arsenic   | 3-12          |       |                | 0.54 B       | 1.2 B          | 2.4 B        | 1.4 B          | 2.8          | 1.7 B          | 0.65 B       | 0.69 B         |
| Barium    | 15-600        |       |                | 186          | 157            | 112          | 195            | 104          | 68.3           | 156          | 113            |
| Beryllium | 0-1.75        |       |                | 0.25 U       | 0.26 U         | 0.82 B       | 0.9 B          | 0.25 U       | 0.27 U         | 1.2 B        | 0.27 U         |
| Cadmium   | 0.01-0.88     |       |                | 0.49 U       | 0.51 U         | 0.5 U        | 0.54 U         | 0.51 U       | 0.53 U         | 0.62 U       | 0.53 U         |
| Calcium   | 130-35,000    |       |                | 2,160        | 14,200         | 11,400       | 14,100         | 3,350        | 2,980          | 2,770        | 3,500          |
| Chromium  | 1.5-40        |       |                | 18.9         | 38             | 23.6         | 42.2           | 19.3         | 25.1           | 53.8         | 25.2           |
| Cobalt    | 2.5-60        |       |                | 11.1 B       | 18.1           | 12.7         | 20.5           | 9.1 B        | 10.5 B         | 12 B         | 11.7 B         |
| Copper    | 37.4-112.2    |       |                | 4.9 B        | 31.5           | 77.7         | 36             | 7.7          | 20.2           | 796          | 23.4           |
| Iron      | 17,500-25,000 |       |                | 10,600       | 30,800         | 22,100       | 36,300         | 12,300       | 15,800         | 18,400       | 19,700         |
| Lead      | 1-12.5        |       |                | 4            | 7.3            | 16.8         | 9.1            | 7.1          | 7.3            | 26.5         | 4.5            |
| Magnesium | 1,700-6,000   |       |                | 3,170        | 13,600         | 8,530        | 14,100         | 2,480        | 5,000          | 4,550        | 5,410          |
| Manganese | 50-5,000      |       |                | 138          | 644            | 392          | 663            | 312          | 182            | 186          | 415            |
| Mercury   | 0.042-0.066   |       |                | 0.12 U       | 0.13 U         | 0.12 U       | 0.14 U         | 0.13 U       | 0.13 U         | 0.18         | 0.13 U         |
| Nickel    | 8.5-25        |       |                | 10.5         | 29.1           | 15.5         | 31.2           | 8.9 B        | 15.4           | 121          | 18.5           |
| Potassium | 8,500-43,000  |       |                | 389 B        | 6,150          | 1,430        | 7,270          | 349 B        | 1,560          | 680 B        | 3,820          |
| Selenium  | <0.1-0.125    |       |                | 0.74 U       | 0.77 U         | 0.75 U       | 0.81 U         | 0.76 U       | 0.8 U          | 0.92 U       | 8 U            |
| Silver    | NE            |       |                | 0.74 U       | 0.87 B         | 0.75 U       | 0.81 U         | 0.76 U       | 0.8 U          | 13.4         | 0.8 U          |
| Sodium    | 6,000-8,000   |       |                | 325 B        | 459 B          | 750 B        | 498 B          | 335 B        | 343 B          | 447 B        | 385 B          |
| Thallium  | NE            |       |                | 0.25 U       | 0.26 U         | 0.25 U       | 0.28 B         | 0.25 U       | 0.27 U         | 0.31 U       | 0.27 U         |
| Vanadium  | 25-60         |       |                | 22           | 54.1           | 57.8         | 60.9           | 23.3         | 36.4           | 43.9         | 32.9           |
| Zinc      | 37-60         |       |                | 55.8         | 74.9           | 73           | 88.8           | 47.4         | 59.4           | 148          | 48.4           |

NOTES: NYS concentration range in uncontaminated soils from background concentrations of 20 elements in soils with special regard for New York State by E. Carol McGovern.

All values reported in mg/kg (ppm).

U - Analyzed for but not detected.

NE - Not established

B - Value is less than Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit

TABLE 2

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NY

## SOIL INORGANIC DATA

|           | NYS RANGE     | DEPTH          |  | FIELD DUP      |              |              |              |                |              |               |              |
|-----------|---------------|----------------|--|----------------|--------------|--------------|--------------|----------------|--------------|---------------|--------------|
|           |               | DATE COLLECTED |  | B-15<br>0.5-2' | B-15<br>6-8' | B-15<br>6-8' | B-16<br>2-4' | B-16<br>10-14' | B-17<br>3-9' | B-17<br>9-11' | B-18<br>6-8' |
|           |               |                |  | 2/3/92         | 2/3/92       | 2/3/92       | 2/3/92       | 2/3/92         | 2/5/92       | 2/5/92        | 2/7/92       |
| Aluminum  | 1,000-25,000  |                |  | 15,600         | 16,900       | 14,100       | 15,900       | 13,000         | 16,900       | 21,900        | 24,600       |
| Antimony  | NE            |                |  | 11.8 B         | 7.7 B        | 6.1 B        | 11.1 B       | 11.6 B         | 7.3 B        | 8 U           | 9.7 B        |
| Arsenic   | 3-12          |                |  | 1.5 B          | 1.6 B        | 1.5 B        | 1.6 B        | 0.6 B          | 2.6 B        | 3.9 B         | 0.73 U       |
| Barium    | 15-600        |                |  | 125            | 101          | 96.9         | 112          | 121            | 128          | 153           | 186          |
| Beryllium | 0-1.75        |                |  | 0.24 U         | 0.27 U       | 0.26 U       | 0.24 U       | 0.25 U         | 0.36 U       | 0.57 U        | 0.36 U       |
| Cadmium   | 0.01-0.88     |                |  | 0.49 U         | 0.54 U       | 0.51 U       | 0.47 U       | 0.5 U          | 0.73 U       | 1.1 U         | 0.73 U       |
| Calcium   | 130-35,000    |                |  | 5,220          | 2,190        | 1,570        | 6,750        | 15,800         | 3,240        | 7,920         | 3,550        |
| Chromium  | 1.5-40        |                |  | 31.5           | 25.7         | 20.4         | 29.5         | 31.5           | 24.6         | 36.2          | 33.4         |
| Cobalt    | 2.5-60        |                |  | 13.8           | 11.4 B       | 9 B          | 12.4         | 13.8           | 15 B         | 19.4 B        | 11 B         |
| Copper    | 37.4-112.2    |                |  | 44.7           | 19.5         | 7.4          | 31.4         | 29.8           | 57.2         | 35            | 13.1         |
| Iron      | 17,500-25,000 |                |  | 26,200         | 17,400       | 12,500       | 23,100       | 24,600         | 21,700       | 26,200        | 14,600       |
| Lead      | 1-12.5        |                |  | 25             | 96.8         | 15.5         | 28.1         | 5.8            | 77.7         | 23.1          | 8.9          |
| Magnesium | 1,700-6,000   |                |  | 7,330          | 3,790        | 2,920        | 7,620        | 12,100         | 3,920        | 7,940         | 3,770        |
| Manganese | 50-5,000      |                |  | 385            | 175          | 148          | 417          | 376            | 288          | 353           | 162          |
| Mercury   | 0.042-0.066   |                |  | 0.14           | 0.14 U       | 0.13 U       | 0.12 U       | 0.12 U         | 0.18 U       | 0.29 U        | 0.18 U       |
| Nickel    | 8.5-25        |                |  | 32.4           | 18.6         | 11.4         | 26.3         | 22.7           | 23.1         | 25.2          | 18.2         |
| Potassium | 8,500-43,000  |                |  | 4,450          | 1,650        | 484 B        | 3,770        | 4,510          | 1,560 B      | 2,790 B       | 633 B        |
| Selenium  | <0.1-0.125    |                |  | 0.73 U         | 0.81 U       | 0.77 U       | 0.71 U       | 0.75 U         | 1.1 U        | 1.7 U         | 1.1 U        |
| Silver    | NE            |                |  | 1.1 B          | 0.81 U       | 0.77 U       | 1.1 B        | 1.3 B          | 1.1 U        | 1.7 U         | 1.1 U        |
| Sodium    | 6,000-8,000   |                |  | 553 B          | 425 B        | 313 B        | 417 B        | 582 B          | 372 B        | 611 B         | 826 B        |
| Thallium  | NE            |                |  | 0.24 U         | 0.27 U       | 0.26 U       | 0.24 U       | 0.26 B         | 0.36 U       | 0.57 U        | 0.36 U       |
| Vanadium  | 25-60         |                |  | 47.8           | 41.9         | 26.4         | 43.9         | 47.6           | 36.6         | 50.8          | 35.6         |
| Zinc      | 37-60         |                |  | 78.7           | 55.6         | 49.4         | 67.8         | 63.6           | 142          | 107           | 83.2         |

NOTES: NYS concentration range in uncontaminated soils from background concentrations of 20 elements in soils with special regard for New York State by E. Carol McGovern.  
All values reported in mg/kg (ppm).  
U - Analyzed for but not detected.  
NE - Not established  
B - Value is less than Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit

TABLE 2

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NY

## SOIL INORGANIC DATA

| FIELD DUP    |               |                |        |        |       |                        |        |                          |        |                           |        |                        |  |
|--------------|---------------|----------------|--------|--------|-------|------------------------|--------|--------------------------|--------|---------------------------|--------|------------------------|--|
| NYS RANGE    |               | DATE COLLECTED |        | DEPTH  |       | B-18                   |        | B-19                     |        | B-20                      |        | B-21                   |  |
|              |               |                |        |        |       |                        |        |                          |        |                           |        |                        |  |
| 1,000-25,000 |               | 4,450          |        | 17,800 |       | B-18<br>6-8'<br>2/7/92 |        | B-19<br>8-10'<br>1/30/92 |        | B-20<br>0.5-13'<br>2/6/92 |        | B-21<br>6-8'<br>2/4/92 |  |
| Aluminum     | NE            | 6.3 B          | 9.9 B  | 17,800 | 27/92 | 10,200                 | 7,490  | 11,700                   | 13,400 | 26,100                    | 13.1 B | 10-12'<br>2/4/92       |  |
| Antimony     | 3-12          | 0.45 U         | 0.58 U | 17,800 | 27/92 | 4.3 B                  | 5.2 B  | 9.8 B                    | 3.7 U  | 0.59 B                    | 262    |                        |  |
| Arsenic      | 15-600        | 23.6 B         | 134    | 17,800 | 27/92 | 57.3                   | 84.9   | 119                      | 104    | 0.76 B                    | 0.53 U | 4,420                  |  |
| Barium       | 0-1.75        | 0.22 U         | 0.29 U | 17,800 | 27/92 | 0.26 U                 | 0.25 U | 0.51 U                   | 0.27 U | 0.53 U                    | 2,350  | 53.6                   |  |
| Beryllium    | 0.01-0.88     | 0.45 U         | 0.58 U | 17,800 | 27/92 | 0.53 U                 | 0.51 U | 24.6                     | 18.7   | 8.2 B                     | 7.9    | 38.1                   |  |
| Cadmium      | 130-35,000    | 1,480          | 2,980  | 17,800 | 27/92 | 2,700                  | 8,210  | 21,800                   | 9,970  | 37,100                    | 8      |                        |  |
| Calcium      | 1.5-40        | 6.8            | 24.7   | 17,800 | 27/92 | 21.1                   | 18.8   | 21                       | 10.6   | 12,500                    | 499    |                        |  |
| Chromium     | 2.5-60        | 3.4 B          | 9.2 B  | 17,800 | 27/92 | 9.2 B                  | 9.3 B  | 5,270                    | 2,530  | 8,950                     | 0.8 U  | 1.3 B                  |  |
| Cobalt       | 37.4-112.2    | 3.9 B          | 10.5   | 17,800 | 27/92 | 15.8                   | 19.1   | 34.5                     | 129    | 542 B                     | 0.8 U  | 645 B                  |  |
| Copper       | 17,500-25,000 | 6,780          | 12,300 | 17,800 | 27/92 | 14,800                 | 15,500 | 21,800                   | 9,970  | 37,100                    | 0.27 U | 79.6                   |  |
| Iron         | 1-12.5        | 2              | 6.3    | 17,800 | 27/92 | 4.3                    | 3.4    | 21                       | 10.6   | 12,500                    | 499    |                        |  |
| Lead         | 1,700-6,000   | 1,930          | 2,970  | 17,800 | 27/92 | 4,500                  | 7,230  | 5,270                    | 2,530  | 8,950                     | 0.8 U  | 1.3 B                  |  |
| Magnesium    | 50-5,000      | 70             | 133    | 17,800 | 27/92 | 189                    | 203    | 305                      | 129    | 542 B                     | 0.8 U  | 645 B                  |  |
| Manganese    | 0.042-0.068   | 0.11 U         | 0.14 U | 17,800 | 27/92 | 0.13 U                 | 0.13 U | 0.13 U                   | 0.13 U | 0.13 U                    | 0.13 U | 0.27 U                 |  |
| Mercury      | 8.5-25        | 5.6 B          | 13.6   | 17,800 | 27/92 | 12                     | 11.6   | 24.6                     | 11.7   | 37.7                      | 0.13 U | 37.7                   |  |
| Nickel       | 8,500-43,000  | 617 B          | 492 B  | 17,800 | 27/92 | 806 B                  | 2,770  | 5,670                    | 542 B  | 8,950                     | 0.8 U  | 1.3 B                  |  |
| Potassium    | <0.1-0.125    | 0.67 U         | 0.87 U | 17,800 | 27/92 | 0.79 U                 | 0.76 U | 0.76 U                   | 0.8 U  | 542 B                     | 0.8 U  | 645 B                  |  |
| Selenium     | NE            | 0.67 U         | 0.87 U | 17,800 | 27/92 | 0.79 U                 | 0.76 U | 0.76 U                   | 0.8 U  | 542 B                     | 0.8 U  | 645 B                  |  |
| Silver       | 6,000-8,000   | 287 B          | 641 B  | 17,800 | 27/92 | 480 B                  | 323 B  | 429 B                    | 334 B  | 8,950                     | 0.8 U  | 645 B                  |  |
| Sodium       | NE            | 0.22 U         | 0.29 U | 17,800 | 27/92 | 0.26 U                 | 0.26 B | 2.5 U                    | 0.27 U | 8,950                     | 0.8 U  | 645 B                  |  |
| Thallium     | 25-60         | 9.1 B          | 30.2   | 17,800 | 27/92 | 30.2                   | 25.8   | 40.5                     | 24.3   | 79.6                      | 0.27 U | 79.6                   |  |
| Vanadium     | 37-60         | 20.8           | 66.4   | 17,800 | 27/92 | 58.4                   | 36.9   | 72.2                     | 50.2   | 102                       | 0.27 U | 79.6                   |  |

NOTES: NYS concentration range in uncontaminated soils from background

concentrations of 20 elements in soils with special regard for

New York State by E. Carol McGovern.

All values reported in mg/kg (ppm).

U - Analyzed for but not detected.

NE - Not established

B - Value is less than Contract Required Detection Limit.

but greater than or equal to the Instrument Detection Limit

TABLE 3

PHASE I REMEDIAL INVESTIGATION  
ITT SEAELECTRO  
MAMARONECK, NY

SOIL ORGANIC DATA  
(SUPERFUND ANALYSES)

| DEPTH                      | B-12             | B-15            | B-17              |
|----------------------------|------------------|-----------------|-------------------|
| DATE COLLECTED             | 8-10'<br>1/27/92 | 2-6'<br>2/03/92 | 11-15'<br>2/05/92 |
| Chloromethane              | 1.6 U            | 0.022 U         | 6.3 U             |
| Bromomethane               | 1.6 U            | 0.022 U         | 6.3 U             |
| Vinyl Chloride             | 1.6 U            | 0.022 U         | 6.3 U             |
| Chloroethane               | 1.6 U            | 0.022 U         | 6.3 U             |
| Methylene Chloride         | 0.13 BJ          | 0.003 BJ        | 0.94 BJ           |
| Acetone                    | 1.6 U            | 0.064 B         | 74                |
| Carbon Disulfide           | 0.79 U           | 0.011 U         | 3.2 U             |
| 1,1-Dichloroethene         | 0.79 U           | 0.011 U         | 3.2 U             |
| 1,1-Dichloroethane         | 0.79 U           | 0.002 J         | 1.8 J             |
| 1,2-Dichloroethene (total) | 0.2 J            | 0.011 U         | 2.7 J             |
| Chloroform                 | 0.79 U           | 0.011 U         | 3.2 U             |
| 1,2-Dichloroethane         | 0.79 U           | 0.011 U         | 3.2 U             |
| 2-Butanone                 | 1.6 U            | 0.022 U         | 18                |
| 1,1,1-Trichloroethane      | 0.15 J           | 0.001 J         | 4.7               |
| Carbon Tetrachloride       | 0.79 U           | 0.011 U         | 3.2 U             |
| Bromodichloromethane       | 0.79 U           | 0.011 U         | 3.2 U             |
| 1,2-Dichloropropane        | 0.79 U           | 0.011 U         | 3.2 U             |
| cis-1,3-Dichloropropene    | 0.79 U           | 0.011 U         | 3.2 U             |
| Trichloroethene            | 1.4              | 0.011 U         | 3.2 U             |
| Benzene                    | 0.79 U           | 0.011 U         | 3.2 U             |
| Dibromochloromethane       | 0.79 U           | 0.011 U         | 3.2 U             |
| trans-1,3-Dichloropropene  | 0.79 U           | 0.011 U         | 3.2 U             |
| 1,1,2-Trichloroethane      | 0.79 U           | 0.011 U         | 3.2 U             |
| Bromoform                  | 0.79 U           | 0.011 U         | 3.2 U             |
| 4-Methyl-2-pentanone       | 1.6 U            | 0.022 U         | 6.3 U             |
| 2-Hexanone                 | 1.6 U            | 0.022 U         | 6.3 U             |
| Tetrachloroethene          | 0.12 J           | 0.011 J         | 7.2               |
| 1,1,2,2-Tetrachloroethane  | 0.79 U           | 0.011 U         | 3.2 U             |
| Toluene                    | 0.79 U           | 0.004 J         | 3.2 U             |
| Chlorobenzene              | 0.79 U           | 0.011 U         | 3.2 U             |
| Ethylbenzene               | 0.79 U           | 0.011 U         | 3.2 U             |
| Styrene                    | 0.79 U           | 0.011 U         | 3.2 U             |
| Xylene (total)             | 0.27 J           | 0.011 U         | 3.2 U             |

Surface soil data reported in mg/kg (ppm).

U - Analyzed for but not detected

Compound is detected.

J - Indicates an estimated value

B - Value is less than Contract Required Detection Limit,  
but greater than or equal to the Instrument Detection Limit

TABLE 4

PHASE I REMEDIAL INVESTIGATION  
ITT SEAELECTRO  
MAMARONECK, NY

SOIL INORGANIC DATA  
(SUPERFUND ANALYSES)

|           |               | DEPTH          | B-12<br>8-10'<br>1/27/92 | B-15<br>2-6'<br>2/03/92 | B-17<br>11-15'<br>2/05/92 |
|-----------|---------------|----------------|--------------------------|-------------------------|---------------------------|
|           | NYS RANGE     | DATE COLLECTED |                          |                         |                           |
| Aluminum  | 1,000-25,000  |                | 8,610                    | 16,700                  | 16,100                    |
| Antimony  | NE            |                | 3.5 U                    | 8.5 B                   | 9.1 B                     |
| Arsenic   | 3-12          |                | 3.4                      | 4.7                     | 1.1 B                     |
| Barium    | 15-600        |                | 62.8                     | 94.1                    | 149                       |
| Beryllium | 0-1.75        |                | 0.25 U                   | 0.84 B                  | 0.27 U                    |
| Cadmium   | 0.01-0.88     |                | 0.5 U                    | 0.67 U                  | 0.8 U                     |
| Calcium   | 130-35,000    |                | 2,210                    | 2,010                   | 14,800                    |
| Chromium  | 1.5-40        |                | 19.5                     | 56                      | 35.1                      |
| Cobalt    | 2.5-60        |                | 9 B                      | 9.5 B                   | 15.8                      |
| Copper    | 37.4-112.2    |                | 14.3                     | 155                     | 27.5                      |
| Iron      | 17,500-25,000 |                | 16,600                   | 22,600                  | 28,900                    |
| Lead      | 1-12.5        |                | 6.6                      | 27.7                    | 6.9                       |
| Magnesium | 1,700-6,000   |                | 4,290                    | 4,060                   | 13,200                    |
| Manganese | 50-5,000      |                | 152                      | 363                     | 588                       |
| Mercury   | 0.042-0.066   |                | 0.12 U                   | 0.11 U                  | 0.13 U                    |
| Nickel    | 8.5-25        |                | 13                       | 21.3                    | 23.1                      |
| Potassium | 8,500-43,000  |                | 1,330                    | 1,730                   | 5,590                     |
| Selenium  | <0.1-0.125    |                | 0.75 U                   | 6.7 U                   | 8 U                       |
| Silver    | NE            |                | 0.75 U                   | 1.4 B                   | 0.8 U                     |
| Sodium    | 6,000-8,000   |                | 308 B                    | 364 B                   | 562 B                     |
| Thallium  | NE            |                | 0.25 U                   | 0.22 U                  | 1.3 U                     |
| Vanadium  | 25-60         |                | 24.2                     | 33.6                    | 48.6                      |
| Zinc      | 37-60         |                | 51.4                     | 69.9                    | 71.2                      |

NOTES: NYS concentration range in uncontaminated soils from background concentrations of 20 elements in soils with special regard for New York State by E. Carol McGovern.

All values reported in mg/kg (ppm).

U - Analyzed for but not detected

B - Value is less than the Contract Required Detection Limit,  
but greater than the Instrument Detection Limit.

NE - Not established

TABLE 5

PHASE I REMEDIAL INVESTIGATION  
ITT SEAELECTRO  
MAMARONECK, NY

SOIL SEMIVOLATILE ORGANIC DATA  
(SUPERFUND ANALYSES)

| DEPTH<br>DATE COLLECTED     | B-12<br>8-10'<br>1/27/92 | B-15<br>2-6'<br>2/03/92 | B-17<br>11-15'<br>2/05/92 |
|-----------------------------|--------------------------|-------------------------|---------------------------|
| Phenol                      | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| bis(2-Chloroethyl)ether     | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 2-Chlorophenol              | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 1,3-Dichlorobenzene         | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 1,4-Dichlorobenzene         | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Benzyl Alcohol              | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 1,2-Dichlorobenzene         | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 2-Methylphenol              | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| bis(2-Chloroisopropyl)ether | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 4-Methylphenol              | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| N-Nitro-Di-n-propylamine    | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Hexachloroethane            | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Nitrobenzene                | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Isophorone                  | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 2-Nitrophenol               | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 2,4-Dimethylphenol          | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Benzoic acid                | 21 U                     | 19 U                    | 2.2 U                     |
| bis(2-Chloroethoxy)methane  | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 2,4-Dichlorophenol          | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 1,2,4-Trichlorobenzene      | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Naphthalene                 | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 4-Chloroaniline             | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Hexachlorobutadiene         | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 4-Chloro-3-methylphenol     | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 2-Methylnaphthalene         | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Hexachlorocyclopentadiene   | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 2,4,6-Trichlorophenol       | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 2,4,5-Trichlorophenol       | 21 U                     | 19 U                    | 2.2 U                     |
| 2-Chloronaphthalene         | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 2-Nitroaniline              | 21 U                     | 19 U                    | 2.2 U                     |
| Dimethylphthalate           | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Acenaphthylene              | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 2,6-Dinitrotoluene          | 4.2 U                    | 3.7 U                   | 0.44 U                    |

NOTES: Surface soil data reported in mg/kg (ppm).

U - Analyzed for but not detected

 Compound is detected.

J - Indicates an estimated value

B - Value is less than Contract Required Detection Limit,  
but greater than or equal to the Instrument Detection Limit

TABLE 5

PHASE I REMEDIAL INVESTIGATION  
ITT SEAELECTRO  
MAMARONECK, NY

SOIL SEMIVOLATILE ORGANIC DATA  
(SUPERFUND ANALYSES)

| DEPTH<br>DATE COLLECTED    | B-12<br>8-10'<br>1/27/92 | B-15<br>2-6'<br>2/03/92 | B-17<br>11-15'<br>2/05/92 |
|----------------------------|--------------------------|-------------------------|---------------------------|
| 3-Nitroaniline             | 21 U                     | 19 U                    | 2.2 U                     |
| Acenaphthene               | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 2,4-Dinitrophenol          | 21 U                     | 19 U                    | 2.2 U                     |
| 4-Nitrophenol              | 21 U                     | 19 U                    | 2.2 U                     |
| Dibenzofuran               | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 2,4-Dinitrotoluene         | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Diethylphthalate           | 4.2 U                    | 3.7 U                   | 0.36 J                    |
| 4-Chlorophenyl-phenylether | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Fluorene                   | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 4-Nitroaniline             | 21 U                     | 19 U                    | 2.2 U                     |
| 4,6-Dinitro-2-methylphenol | 21 U                     | 19 U                    | 2.2 U                     |
| N-Nitrosodiphenylamine (1) | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 4-Bromophenyl-phenylether  | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Hexachlorobenzene          | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Pentachlorophenol          | 21 U                     | 19 U                    | 2.2 U                     |
| Phenathrene                | 4.2 U                    | 3 J                     | 0.44 U                    |
| Anthracene                 | 4.2 U                    | 0.63 J                  | 0.44 U                    |
| Di-n-butylphthalate        | 4.2 U                    | 3.7 U                   | 0.087 J                   |
| Fluoranthene               | 4.2 U                    | 8                       | 0.44 U                    |
| Pyrene                     | 4.2 U                    | 6.2                     | 0.44 U                    |
| Butylbenzylphthalate       | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| 3,3'-Dichlorobenzidine     | 8.4 U                    | 7.4 U                   | 0.88 U                    |
| Benzo(a)anthracene         | 4.2 U                    | 3.8                     | 0.44 U                    |
| Chrysene                   | 4.2 U                    | 3.9                     | 0.44 U                    |
| bis(2-Ethylhexyl)phthalate | 1.4 J                    | 0.78 J                  | 0.86                      |
| Di-n-octylphthalate        | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Benzo(b)fluoranthene       | 4.2 U                    | 5.7                     | 0.44 U                    |
| Benzo(k)fluoranthene       | 4.2 U                    | 2.3 J                   | 0.44 U                    |
| Benzo(a)pyrene             | 4.2 U                    | 4                       | 0.44 U                    |
| Indeno(1,2,3-cd)pyrene     | 4.2 U                    | 2.6 J                   | 0.44 U                    |
| Dibenzo(a,h)anthracene     | 4.2 U                    | 3.7 U                   | 0.44 U                    |
| Benzo(g,h,i)perylene       | 4.2 U                    | 3.7 U                   | 0.44 U                    |

NOTES: Surface soil data reported in mg/kg (ppm).

U - Analyzed for but not detected

Compound is detected.

J - Indicates an estimated value

B - Value is less than Contract Required Detection Limit,  
but greater than or equal to the Instrument Detection Limit

TABLE 6

PHASE I REMEDIAL INVESTIGATION  
ITT SEAELECTRO  
MAMARONECK, NY

SOIL PCB & PESTICIDE DATA  
(SUPERFUND ANALYSES)

| DEPTH              | B-12             | B-15            | B-17              |
|--------------------|------------------|-----------------|-------------------|
| DATE COLLECTED     | 8-10'<br>1/27/92 | 2-6'<br>2/03/92 | 11-15'<br>2/05/92 |
| Alpha-BHC          | 0.051 U          | 0.089 U         | 0.0053 U          |
| Beta-BHC           | 0.051 U          | 0.089 U         | 0.0053 U          |
| Delta-BHC          | 0.051 U          | 0.089 U         | 0.0053 U          |
| Gamma-BHC          | 0.051 U          | 0.089 U         | 0.0053 U          |
| Heptachlor         | 0.051 U          | 0.089 U         | 0.0053 U          |
| Aldrin             | 0.051 U          | 0.089 U         | 0.0053 U          |
| Heptachlor Epoxide | 0.051 U          | 0.089 U         | 0.0053 U          |
| Endosulfan I       | 0.051 U          | 0.089 U         | 0.0053 U          |
| Dieldrin           | 0.1 U            | 0.18 U          | 0.011 U           |
| 4-4-DDE            | 0.1 U            | 0.18 U          | 0.011 U           |
| Endrin             | 0.1 U            | 0.18 U          | 0.011 U           |
| Endosulfan II      | 0.1 U            | 0.18 U          | 0.011 U           |
| 4-4-DDD            | 0.1 U            | 0.18 U          | 0.011 U           |
| Endosulfan Sulfate | 0.1 U            | 0.18 U          | 0.011 U           |
| 4-4-DDT            | 0.1 U            | 0.18 U          | 0.011 U           |
| Methoxychlor       | 0.51 U           | 0.89 U          | 0.053 U           |
| Endrin Ketone      | 0.1 U            | 0.18 U          | 0.011 U           |
| Alpha Chlordane    | 0.51 U           | 0.89 U          | 0.053 U           |
| Gamma Chlordane    | 0.51 U           | 0.89 U          | 0.053 U           |
| Toxaphene          | 1 U              | 1.8 U           | 0.11 U            |
| Aroclor-1016       | 0.51 U           | 0.89 U          | 0.053 U           |
| Aroclor-1221       | 0.51 U           | 0.89 U          | 0.053 U           |
| Aroclor-1232       | 0.51 U           | 0.89 U          | 0.053 U           |
| Aroclor-1242       | 0.51 U           | 0.89 U          | 0.053 U           |
| Aroclor-1248       | 0.51 U           | 0.89 U          | 0.053 U           |
| Aroclor-1254       | 0.94 J           | 1.8 U           | 0.11 U            |
| Aroclor-1260       | 1 U              | 1.8 U           | 0.11 U            |

Surface soil data reported in mg/kg (ppm).

U - Analyzed for but not detected

 Compound is detected.

J - Indicates an estimated value

TABLE 7

ITT SEALECTRO  
MAMARONECK, NY

## MONITORING WELL SPECIFICATIONS AND GROUND WATER ELEVATIONS

| WELL NO. | WELL DEPTH<br>(FT) | GROUND<br>ELEVATION<br>(FT) | PVC<br>ELEVATION<br>(FT) | HYDRAULIC<br>CONDUCTIVITY<br>(CM/SEC) | SCREENED<br>INTERVAL<br>(FT) | GROUND WATER ELEVATIONS (FT) |         |         |         |
|----------|--------------------|-----------------------------|--------------------------|---------------------------------------|------------------------------|------------------------------|---------|---------|---------|
|          |                    |                             |                          |                                       |                              | 2/19/92                      | 4/15/92 | 4/23/92 | 6/08/92 |
| MW-2     | 13.5               | 196.9                       | 196.68                   | 3.6E-04                               | 13.7 - 3.7                   | 191.51                       | 190.94  | 189.93  | 190.93  |
| MW-2D    | 42.5               | 197.1                       | 196.40                   | 1.0E-04                               | 42.0 - 32.0                  | 191.82                       | 191.55  | 191.72  | 191.75  |
| MW-3     | 14.0               | 197.6                       | 197.45                   | 6.3E-04                               | 14.0 - 4.0                   | 190.70                       | 190.67  | 190.38  | 190.47  |
| MW-3D    | 29.0               | 198.0                       | 196.95                   | 1.7E-03                               | 28.0 - 18.0                  | 191.57                       | 191.53  | 191.58  | 191.60  |
| MW-4     | 14.0               | 197.2                       | 196.86                   | 2.1E-03                               | 14.0 - 4.0                   | 191.80                       | 191.80  | 191.63  | 191.63  |
| MW-4D    | 41.0               | 197.2                       | 196.90                   | 8.7E-04                               | 40.5 - 30.5                  | 191.80                       | 191.76  | 191.60  | 191.60  |
| WELL 5   | 20.0               | 197.7                       | 196.18                   | NA                                    | 20.0 - 10.0                  | **                           | **      | **      | **      |
| MW-8     | 15.0               | 197.9                       | 197.83                   | NA                                    | 14.5 - 4.5                   | *                            | *       | *       | *       |
| RW-1     | 14.0               | 197.8                       | 196.41                   | NA                                    | 14.0 - 4.0                   | **                           | **      | **      | **      |
| SWB-1    | NA                 | 196.32                      | NA                       | NA                                    | NA                           | NA                           | NA      | NA      | 189.97  |

NOTES: \*

No water level taken due to free product in well.

\*\*

Recovery well in operation

NA

Not available

SWB

Surface Water Benchmark

Water levels not taken

From assumed datum of 200 ft., south east nut of fire hydrant.

TABLE 8

ITT SEALECTRO  
MAMARONECK, NY

## GROUND WATER ORGANIC DATA

|                                     | NYS CLASS GA |           | DATE COLLECTED | MW-2    |         | MW-2D   |         | FIELD DUP |         | MW-3    |         | MW-3DL  |         |
|-------------------------------------|--------------|-----------|----------------|---------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|
|                                     | NYSMCL       | STANDARDS |                | 2/19/92 | 4/15/92 | 2/19/92 | 4/15/92 | MW-2D     | 2/19/92 | 2/19/92 | 2/19/92 | 2/19/92 | 2/19/92 |
| Chloromethane                       | 5            | NE        |                | 10 U    | 1 U     | 10 U    | 10 U    | 1 U       | 10 U    | 10 U    | 10 U    | 10 U    | 10 U    |
| Bromomethane                        | 5            | 5         |                | 10 U    | 1 U     | 10 U    | 10 U    | 1 U       | 10 U    | 10 U    | 10 U    | 10 U    | 10 U    |
| Vinyl Chloride                      | 2            | 2         |                | 10 U    | 130     | 10 U    | 10 U    | 1 U       | 10 U    | 10 U    | 10 U    | 10 U    | 10 U    |
| Chloroethane                        | 5            | 5         |                | 10 U    | 1 U     | 10 U    | 10 U    | 1 U       | 10 U    | 10 U    | 10 U    | 10 U    | 10 U    |
| Methylene Chloride                  | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| 1,1-Dichloroethene                  | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| 1,1-Dichloroethane                  | 5            | 5         |                | 22      | 60      | 22      | 5       | 1 U       | 410     | 200     | 410     | 200     | 200     |
| 1,2-Dichloroethene (total)          | 10           | 5         |                | 10      | 1 U     | 22      | 24      | 1 U       | 220     | 160     | 220     | 160     | 160     |
| Chloroform                          | NE           | 100       |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 34      | 24      | 34      | 24      | 24      |
| 1,2-Dichloroethane                  | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 1       | 1       | 1       | 1       | 5 U     |
| 1,1,1-Trichloroethane               | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| Carbon Tetrachloride                | 5            | 5         |                | 5 U     | 1 U     | 22      | 27      | 1 U       | 530     | 340     | 530     | 340     | 340     |
| Bromodichloromethane                | NE           | 50        | **             | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| 1,2-Dichloropropane                 | 5            | 5         | **             | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| cis-1,3-Dichloropropene             | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| Trichloroethene                     | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| Dibromochloromethane                | NE           | 50        |                | 5 U     | 1 U     | 18      | 20      | 25        | 28      | 20      | 28      | 20      | 20      |
| 1,1,2-Trichloroethane               | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| Benzene                             | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 10      | 5 U     | 10      | 5 U     | 5 U     |
| Trans-1,3-Dichloropropene           | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| Tetrachloroethene                   | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| 1,1,2,2-Tetrachloroethane           | 5            | 5         |                | 5 U     | 1 U     | 24      | 28      | 1 U       | 8       | 8       | 8       | 8       | 8       |
| Toluene                             | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| Chlorobenzene                       | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| Ethylbenzene                        | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| Xylene (total)                      | 5            | 5         |                | 5 U     | 1 U     | 5 U     | 5 U     | 1 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     |
| Total Petroleum Hydrocarbon (mg/kg) | NE           | NE        |                | 11.1    | <1      | 11.0    | 10.9    | <1        | 11.3    | 11.3    | 11.3    | NA      | NA      |

NOTES: All values reported in µg/L (ppb), unless otherwise noted.

Compound is detected.  
 U - Analyzed for but not detected.  
 J - Indicates an estimated value.

\*\* - NYS Class GA Guidance Value

2/92 samples analyzed using GC/MS method (8240).

4/92 samples analyzed using GC/MS methods (8010/8020)

NE - Not established

TABLE 8

ITT SEALECTRO  
MAMARONECK, NY

## GROUND WATER ORGANIC DATA

|                                        | NYS CLASS GA |           | DATE COLLECTED | MW-3<br>4/15/92 | MW-3D<br>2/19/92 | MW-3DDL<br>2/19/92 | MW-3D<br>4/15/92 | FIELD DUP        |                  | MW-4<br>2/20/92 | MW-4<br>4/15/92 |
|----------------------------------------|--------------|-----------|----------------|-----------------|------------------|--------------------|------------------|------------------|------------------|-----------------|-----------------|
|                                        | NYSMCL       | STANDARDS |                |                 |                  |                    |                  | MW-3D<br>4/15/92 | MW-3D<br>4/15/92 |                 |                 |
| Chloromethane                          | 5            | NE        |                | 1 U             | 10 U             | 10 U               | 1 U              | 1 U              | 1 U              | 10 U            | 1 U             |
| Bromomethane                           | 5            | 5         |                | 1 U             | 10 U             | 10 U               | 1 U              | 1 U              | 1 U              | 10 U            | 1 U             |
| Vinyl Chloride                         | 2            | 2         |                | 1 U             | 10 U             | 10 U               | 1 U              | 1 U              | 1 U              | 9 J             | 1 U             |
| Chloroethane                           | 5            | 5         |                | 1 U             | 10 U             | 10 U               | 1 U              | 1 U              | 1 U              | 10 U            | 1 U             |
| Methylene Chloride                     | 5            | 5         |                | 1 U             | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| 1,1-Dichloroethene                     | 5            | 5         |                | 200             | 19               | 9                  | 71               | 81               | 1 U              | 5 U             | 1 U             |
| 1,1-Dichloroethane                     | 5            | 5         |                | 150             | 18               | 5 U                | 1 U              | 29               | 1 U              | 5 U             | 1 U             |
| 1,2-Dichloroethene (total)             | 10           | 5         |                | 5.9             | 13               | 8                  | 1 U              | 1 U              | 1 U              | 74              | 1 U             |
| Chloroform                             | NE           | 100       |                | 1 U             | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| 1,2-Dichloroethane                     | 5            | 5         |                | 17              | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| 1,1,1-Trichloroethane                  | 5            | 5         |                | 90              | 330              | 220                | 57               | 65               | 1 U              | 5 U             | 1 U             |
| Carbon Tetrachloride                   | 5            | 5         |                | 1 U             | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| Bromodichloromethane                   | NE           | 50        | **             | 1 U             | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| 1,2-Dichloropropane                    | 5            | 5         | **             | 1 U             | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| cis-1,3-Dichloropropene                | 5            | 5         |                | 1 U             | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| Trichloroethene                        | 5            | 5         |                | 41              | 9                | 5                  | 17               | 17               | 1 U              | 2 J             | 33              |
| Dibromochloromethane                   | NE           | 50        |                | 1 U             | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| 1,1,2-Trichloroethane                  | 5            | 5         |                | 1 U             | 5 U              | 5 U                | 2.4              | 1 U              | 1 U              | 5 U             | 1 U             |
| Benzene                                | 5            | 5         |                | 1 U             | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| Trans-1,3-Dichloropropene              | 5            | 5         |                | 1 U             | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| Tetrachloroethene                      | 5            | 5         |                | 1 U             | 420              | 320                | 190              | 190              | 1 U              | 5 U             | 1 U             |
| 1,1,2,2-Tetrachloroethane              | 5            | 5         |                | 1 U             | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| Toluene                                | 5            | 5         |                | 1 U             | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| Chlorobenzene                          | 5            | 5         |                | 1 U             | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| Ethylbenzene                           | 5            | 5         |                | 1 U             | 5 U              | 5 U                | 1 U              | 1 U              | 1 U              | 5 U             | 1 U             |
| Xylene (total)                         | 5            | 5         |                | 1 U             | 5 U              | 5 U                | 1 U              | 9.1              | 1 U              | 5 U             | 1 U             |
| Total Petroleum Hydrocarbon<br>(mg/kg) | NE           | NE        |                | <1              | 12.0             | NA                 | <1               | <1               | <1               | 11.4            | <1              |

NOTES: All values reported in µg/L (ppb), unless otherwise noted.

Compound is detected.

U - Analyzed for but not detected.

J - Indicates an estimated value.

\*\* - NYS Class GA Guidance Value

2/92 samples analyzed using GC/MS method (8240).

4/92 samples analyzed using GC/MS methods (8010/8020).

NE - Not established

TABLE 8

ITT SEALECTRO  
MAMARONECK, NY

## GROUND WATER ORGANIC DATA

| NYS CLASS GA                        |           | DATE COLLECTED | MW-4D   |     | MW-4D<br>4/15/92 |
|-------------------------------------|-----------|----------------|---------|-----|------------------|
| NYSMCL                              | STANDARDS |                | 2/20/92 |     |                  |
| Chloromethane                       | 5 NE      |                | 10 U    | 1 U |                  |
| Bromomethane                        | 5         |                | 10 U    | 1 U |                  |
| Vinyl Chloride                      | 2         |                | 10 U    | 1 U |                  |
| Chloroethane                        | 5         |                | 10 U    | 1 U |                  |
| Methylene Chloride                  | 5         |                | 5 U     | 1 U |                  |
| 1,1-Dichloroethene                  | 5         |                | 5 U     | 1 U |                  |
| 1,1-Dichloroethane                  | 5         |                | 5 U     | 1 U |                  |
| 1,2-Dichloroethene (total)          | 10        |                | 5 U     | 1 U |                  |
| Chloroform                          | NE 100    |                | 5 U     | 1 U |                  |
| 1,2-Dichloroethane                  | 5         |                | 5 U     | 1 U |                  |
| 1,1,1-Trichloroethane               | 5         |                | 5 U     | 1 U |                  |
| Carbon Tetrachloride                | 5         |                | 5 U     | 1 U |                  |
| Bromodichloromethane                | NE 50 **  |                | 5 U     | 1 U |                  |
| 1,2-Dichloropropane                 | 5         |                | 5 U     | 1 U |                  |
| cis-1,3-Dichloropropene             | 5         |                | 5 U     | 1 U |                  |
| Trichloroethene                     | 5         |                | 5 U     | 1 U |                  |
| Dibromochloromethane                | NE 50     |                | 5 U     | 1 U |                  |
| 1,1,2-Trichloroethane               | 5         |                | 5 U     | 1 U |                  |
| Benzene                             | 5         |                | 5 U     | 1 U |                  |
| Trans-1,3-Dichloropropene           | 5         |                | 5 U     | 1 U |                  |
| Tetrachloroethene                   | 5         |                | 3 J     | 1 U |                  |
| 1,1,2,2-Tetrachloroethane           | 5         |                | 5 U     | 1 U |                  |
| Toluene                             | 5         |                | 5 U     | 1 U |                  |
| Chlorobenzene                       | 5         |                | 5 U     | 1 U |                  |
| Ethylbenzene                        | 5         |                | 5 U     | 1 U |                  |
| Xylene (total)                      | 5         |                | 5 U     | 1 U |                  |
| Total Petroleum Hydrocarbon (mg/kg) | NE        |                | 10.8    | <1  |                  |

NOTES: All values reported in µg/L (ppb), unless otherwise noted.  
 [ ] Compound is detected.  
 U - Analyzed for but not detected.  
 J - Indicates an estimated value.

\*\* - NYS Class GA Guidance Value  
 2/92 samples analyzed using GC/MS method (8240).  
 4/92 samples analyzed using GC/MS methods (8010/802  
 NE - Not established

**PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NY**

## GROUND WATER INORGANIC DATA

|           | NYS CLASS GA |           | DATE COLLECTED |         | TOTAL   |        | FILTERED |         | TOTAL  |        | TOTAL   |        | TOTAL  |         | TOTAL   |         | TOTAL   |        |
|-----------|--------------|-----------|----------------|---------|---------|--------|----------|---------|--------|--------|---------|--------|--------|---------|---------|---------|---------|--------|
|           | NYS MCL      | STANDARDS | MW-2           | NE      | MW-2    | NE     | MW-2     | NE      | MW-2   | NE     | MW-2    | NE     | MW-2   | NE      | MW-2    | NE      | MW-2    | NE     |
| Aluminum  | NE           | NE        | 57,100         | 112,000 | 49 B    | 36.3 U | 62,200   | 75,500  | 44.8 B | 36.3 U | 75,500  | 44.8 B | 36.3 U | 61,600  | 60 B    | 61,600  | 60 B    | 61,600 |
| Antimony  | NE           | 3 **      | 95.8           | 438     | 46.7 B  | 35.7 U | 97.2     | 292     | 42.2 U | 35.7 U | 292     | 42.2 U | 35.7 U | 60 B    | 60 B    | 60 B    | 60 B    |        |
| Arsenic   | 50           | 25        | 11.5           | 16.4    | 5.3 B   | 5 U    | 5.6 B    | 5 U     | 5 U    | 5 U    | 5 U     | 5 U    | 5 U    | 6 B     | 6 B     | 6 B     | 6 B     |        |
| Barium    | 1,000        | 1,000     | 798            | 1,330   | 213     | 200    | 862      | 1,100   | 144 B  | 117 B  | 1,100   | 144 B  | 117 B  | 866     | 866     | 866     | 866     |        |
| Beryllium | NE           | 3 **      | 3.1 B          | 7       | 2.5 U   | 1.3 U  | 2.6 B    | 5.1     | 2.5 U  | 1.3 U  | 5.1     | 2.5 U  | 1.3 U  | 2.6 B   | 2.6 B   | 2.6 B   | 2.6 B   |        |
| Cadmium   | 10           | 10        | 4.1 U          | 3.8 U   | 4.1 U   | 3.8 U  | 4.1 U    | 3.8 U   | 4.1 U  | 3.8 U  | 3.8 U   | 4.1 U  | 3.8 U  | 4.1 U   | 4.1 U   | 4.1 U   | 4.1 U   |        |
| Calcium   | NE           | NE        | 108,000        | 140,000 | 75,800  | 74,900 | 121,000  | 158,000 | 80,700 | 75,900 | 158,000 | 80,700 | 75,900 | 117,000 | 117,000 | 117,000 | 117,000 |        |
| Chromium  | 50           | 50        | 160            | 280     | 9.1 U   | 3.9 U  | 194      | 271     | 9.1 U  | 3.9 U  | 271     | 9.1 U  | 3.9 U  | 188     | 188     | 188     | 188     |        |
| Cobalt    | NE           | NE        | 73.1           | 113     | 10.4 U  | 6.9 U  | 68.9     | 72.2    | 10.4 U | 6.9 U  | 72.2    | 10.4 U | 6.9 U  | 67.7    | 67.7    | 67.7    | 67.7    |        |
| Copper    | 1,000        | 200       | 199            | 240     | 5 U     | 3.9 U  | 158      | 209     | 5 U    | 3.9 U  | 209     | 5 U    | 3.9 U  | 155     | 155     | 155     | 155     |        |
| Iron      | 300          | 300       | 120,000        | 207,000 | 8,270   | 4,990  | 116,000  | 138,000 | 119    | 11.2 U | 138,000 | 119    | 11.2 U | 115,000 | 115,000 | 115,000 | 115,000 |        |
| Lead      | 50           | 25        | 34.9           | 47.8    | 3 U     | 2 U    | 76.6     | 82.4    | 3 U    | 2 U    | 82.4    | 3 U    | 2 U    | 77      | 77      | 77      | 77      |        |
| Magnesium | NE           | 35,000    | 70,000         | 106,000 | 24,300  | 21,900 | 72,500   | 91,700  | 26,700 | 25,700 | 91,700  | 26,700 | 25,700 | 70,800  | 70,800  | 70,800  | 70,800  |        |
| Manganese | 300          | 300       | 2,220          | 3,570   | 676     | 583    | 1,990    | 2,420   | 284    | 220    | 2,420   | 284    | 220    | 1,980   | 1,980   | 1,980   | 1,980   |        |
| Mercury   | 2            | 2         | 0.2 U          | 0.2 U   | 0.2 U   | 0.2 U  | 0.2 U    | 0.2 U   | 0.2 U  | 0.2 U  | 0.2 U   | 0.2 U  | 0.2 U  | 0.43    | 0.43    | 0.43    | 0.43    |        |
| Nickel    | NE           | NE        | 103            | 188     | 21.5 U  | 30.6 U | 139      | 165     | 21.5 U | 30.6 U | 165     | 21.5 U | 30.6 U | 134     | 134     | 134     | 134     |        |
| Potassium | NE           | NE        | 30,500         | 49,700  | 4,640 B | 5,940  | 36,200   | 43,400  | 12,300 | 11,200 | 43,400  | 12,300 | 11,200 | 36,500  | 36,500  | 36,500  | 36,500  |        |
| Selenium  | NE           | 10        | 50 U           | 4 U     | 5 U     | 4 U    | 5 U      | 4 U     | 5 U    | 4 U    | 4 U     | 5 U    | 4 U    | 50 U    | 50 U    | 50 U    | 50 U    |        |
| Silver    | NE           | 50        | 5.7 U          | 9.9 U   | 5.7 U   | 9.9 U  | 5.7 U    | 9.9 U   | 5.7 U  | 9.9 U  | 9.9 U   | 5.7 U  | 9.9 U  | 5.7 U   | 5.7 U   | 5.7 U   | 5.7 U   |        |
| Sodium    | NE           | 20,000    | 65,000         | 67,600  | 60,400  | 46,600 | 41,700   | 47,500  | 43,900 | 41,800 | 47,500  | 43,900 | 41,800 | 41,800  | 41,800  | 41,800  | 41,800  |        |
| Thallium  | NE           | 4 **      | 5 U            | 5 U     | 5 U     | 5 U    | 5 U      | 5 U     | 5 U    | 5 U    | 5 U     | 5 U    | 5 U    | 5 U     | 5 U     | 5 U     | 5 U     |        |
| Vanadium  | NE           | NE        | 170            | 327     | 7.9 U   | 4.8 U  | 186      | 236     | 7.9 U  | 4.8 U  | 236     | 7.9 U  | 4.8 U  | 181     | 181     | 181     | 181     |        |
| Zinc      | 5,000        | 300       | 355            | 578     | 6.1 B   | 9.7 B  | 335      | 425     | 5.3 U  | 4.5 U  | 425     | 5.3 U  | 4.5 U  | 336     | 336     | 336     | 336     |        |
| Cyanide   | 100          | 100       | NA             | 10 U    | NA      | 10 U   | NA       | 10 U    | NA     | 10 U   | 10 U    | NA     | 10 U   | NA      | NA      | NA      | NA      |        |

NOTES:

All values reported in µg/L (ppb).

\*\* - NYS Class GA Guidance Value

U - Analyzed for but not detected.

NYS MCLs are 10 NYCRR 6-1 MCLs

B - Value is less than the Contract Required Detection Limit,

but greater than or equal to the Instrument Detection Limit.

NA - Not analyzed/Not applicable

NE - Not established

TABLE 9

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NY

## GROUND WATER INORGANIC DATA

|           | NYS MCL | NYS CLASS GA | STANDARDS | DATE COLLECTED | FILTERED  |         | TOTAL   | MW-3    | 4/15/92 | TOTAL   | MW-3D   | 2/19/92 | TOTAL   | MW-3D   | 4/15/92 | TOTAL   | MW-3D  | 4/15/92 | TOTAL  | MW-3D   | 2/19/92 | TOTAL   | MW-3D  | 2/19/92 |
|-----------|---------|--------------|-----------|----------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|--------|---------|---------|---------|--------|---------|
|           |         |              |           |                | FIELD DUP | MW-2D   |         |         |         |         |         |         |         |         |         |         |        |         |        |         |         |         |        |         |
| Aluminum  | NE      | NE           | NE        | 3 **           | 42.4 B    | 21,800  | 42.2 U  | 443     | 34.1 U  | 360     | 247,000 | 35.7 U  | 411     | 82,800  | 34.1 U  | 338     | 42.2 U | 34.1 U  | 338    | 42.2 U  | 34.1 U  | 338     | 42.2 U | 34.1 U  |
| Antimony  | NE      | NE           | NE        | 3 **           | 42.2 U    | 42.2 U  | 443     | 34.1 U  | 360     | 247,000 | 35.7 U  | 411     | 82,800  | 34.1 U  | 338     | 42.2 U  | 34.1 U | 338     | 42.2 U | 34.1 U  | 338     | 42.2 U  | 34.1 U | 338     |
| Arsenic   | 50      | NE           | NE        | 25             | 5 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U    | 5 U     | 5 U    | 5 U     | 5 U     | 5 U     | 5 U    | 5 U     |
| Barium    | 1,000   | NE           | NE        | 1,000          | 143 B     | 350     | 1,310   | 122 B   | 82.8 B  | 2,550   | 16.4    | 9.5     | 1,250   | 1,070   | 99.4 B  | 8       | 2.5 U  | 8       | 2.5 U  | 8       | 2.5 U   | 8       | 2.5 U  | 8       |
| Beryllium | NE      | NE           | NE        | 3 **           | 2.5 U     | 2.5 U   | 2.5 U   | 2.5 U   | 2.5 U   | 2.5 U   | 2.5 U   | 2.5 U   | 2.5 U   | 2.5 U   | 2.5 U   | 2.5 U   | 2.5 U  | 2.5 U   | 2.5 U  | 2.5 U   | 2.5 U   | 2.5 U   | 2.5 U  | 2.5 U   |
| Cadmium   | 10      | NE           | NE        | 10             | 4.1 U     | 4.1 U   | 3.8 U   | 4.1 U   | 3.8 U   | 4.1 U   | 3.8 U   | 4.1 U   | 3.8 U   | 4.1 U   | 3.8 U   | 4.1 U   | 3.8 U  | 4.1 U   | 3.8 U  | 4.1 U   | 3.8 U   | 4.1 U   | 3.8 U  | 4.1 U   |
| Calcium   | NE      | NE           | NE        | NE             | 80,000    | 113,000 | 191,000 | 104,000 | 62,900  | 150,000 | 130,000 | 115,000 | 130,000 | 115,000 | 76,400  | 115,000 | 76,400 | 115,000 | 76,400 | 115,000 | 76,400  | 115,000 | 76,400 | 115,000 |
| Chromium  | 50      | NE           | NE        | 50             | 9.1 U     | 58.6    | 255     | 9.1 U   | 3.9 U   | 550     | 249     | 213     | 249     | 213     | 9.1 U   | 213     | 9.1 U  | 213     | 9.1 U  | 213     | 9.1 U   | 213     | 9.1 U  | 213     |
| Cobalt    | NE      | NE           | NE        | NE             | 10.4 U    | 28.4 B  | 112     | 10.4 U  | 6.9 U   | 218     | 83.2    | 70.7    | 83.2    | 70.7    | 10.4 U  | 70.7    | 10.4 U | 70.7    | 10.4 U | 70.7    | 10.4 U  | 70.7    | 10.4 U | 70.7    |
| Copper    | 1,000   | NE           | NE        | 200            | 5 U       | 61.2    | 321     | 5 U     | 3.9 U   | 466     | 256     | 221     | 256     | 221     | 5 U     | 221     | 5 U    | 221     | 5 U    | 221     | 5 U     | 221     | 5 U    | 221     |
| Iron      | 300     | NE           | NE        | 300            | 124       | 41,100  | 206,000 | 13.3 B  | 32.8 B  | 428,000 | 183,000 | 160,000 | 183,000 | 160,000 | 127     | 160,000 | 127    | 160,000 | 127    | 160,000 | 127     | 160,000 | 127    | 160,000 |
| Lead      | 50      | NE           | NE        | 25             | 3 U       | 19.5    | 83.2    | 3 U     | 2 U     | 379     | 93      | 90.4    | 93      | 90.4    | 3 U     | 90.4    | 3 U    | 90.4    | 3 U    | 90.4    | 3 U     | 90.4    | 3 U    | 90.4    |
| Magnesium | NE      | NE           | NE        | 35,000         | 26,800    | 50,300  | 122,000 | 36,200  | 21,300  | 158,000 | 86,600  | 75,800  | 86,600  | 75,800  | 25,900  | 86,600  | 25,900 | 86,600  | 25,900 | 86,600  | 25,900  | 86,600  | 25,900 | 86,600  |
| Manganese | 300     | NE           | NE        | 300            | 282       | 3,160   | 6,110   | 2,330   | 671     | 8,800   | 4,350   | 3,760   | 4,350   | 3,760   | 1,300   | 4,350   | 1,300  | 4,350   | 1,300  | 4,350   | 1,300   | 4,350   | 1,300  | 4,350   |
| Mercury   | 2       | NE           | NE        | 2              | 0.2 U     | 0.2 U   | 0.2 U   | 0.2 U   | 0.2 U   | 0.2 U   | 0.2 U   | 0.2 U   | 0.2 U   | 0.2 U   | 0.2 U   | 0.2 U   | 0.2 U  | 0.2 U   | 0.2 U  | 0.2 U   | 0.2 U   | 0.2 U   | 0.2 U  | 0.2 U   |
| Nickel    | NE      | NE           | NE        | NE             | 21.5 U    | 62.2    | 217     | 21.9 B  | 43.9    | 369     | 158     | 142     | 158     | 142     | 21.5 U  | 158     | 21.5 U | 158     | 21.5 U | 158     | 21.5 U  | 158     | 21.5 U | 158     |
| Potassium | NE      | NE           | NE        | NE             | 12,400    | 12,600  | 44,600  | 4,490 B | 3,680 B | 108,000 | 44,700  | 38,700  | 44,700  | 38,700  | 5,090   | 44,700  | 5,090  | 44,700  | 5,090  | 44,700  | 5,090   | 44,700  | 5,090  | 44,700  |
| Selenium  | NE      | NE           | NE        | 10             | 5 U       | 50 U    | 4 U     | 5 U     | 4 U     | 50 U    | 4 U     | 5 U     | 4 U     | 50 U    | 4 U     | 50 U    | 4 U    | 50 U    | 4 U    | 50 U    | 4 U     | 50 U    | 4 U    | 50 U    |
| Silver    | NE      | NE           | NE        | 50             | 5.7 U     | 5.7 U   | 9.9 U   | 5.7 U   | 9.9 U   | 5.7 U   | 5.7 U   | 9.9 U   | 5.7 U   | 9.9 U   | 5.7 U   | 9.9 U   | 5.7 U  | 9.9 U   | 5.7 U  | 9.9 U   | 5.7 U   | 9.9 U   | 5.7 U  | 9.9 U   |
| Sodium    | NE      | NE           | NE        | 20,000         | 43,800    | 38,700  | 38,700  | 40,700  | 37,100  | 38,300  | 44,500  | 41,000  | 44,500  | 41,000  | 41,700  | 44,500  | 41,700 | 44,500  | 41,700 | 44,500  | 41,700  | 44,500  | 41,700 | 44,500  |
| Thallium  | NE      | NE           | NE        | 4 **           | 5 U       | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U     | 5 U    | 5 U     | 5 U    | 5 U     | 5 U     | 5 U     | 5 U    | 5 U     |
| Vanadium  | NE      | NE           | NE        | NE             | 7.9 U     | 71.2    | 358     | 7.9 U   | 4.8 U   | 626     | 273     | 229     | 273     | 229     | 7.9 U   | 273     | 7.9 U  | 273     | 7.9 U  | 273     | 7.9 U   | 273     | 7.9 U  | 273     |
| Zinc      | 5,000   | NE           | NE        | 300            | 5.3 U     | 122     | 537     | 5.3 U   | 21.4    | 1,300   | 533     | 442     | 533     | 442     | 5.3 U   | 533     | 5.3 U  | 533     | 5.3 U  | 533     | 5.3 U   | 533     | 5.3 U  | 533     |
| Cyanide   | 100     | NE           | NE        | 100            | NA        | NA      | 10 U    | NA      | 10 U    | NA      | 10 U    | 10 U    | 10 U    | 10 U    | NA      | 10 U    | 10 U   | 10 U    | 10 U   | 10 U    | 10 U    | 10 U    | 10 U   | 10 U    |

NOTES: All values reported in µg/L (ppb).  
 U - Analyzed for but not detected.  
 B - Value is less than the Contract Required Detection Limit,  
 but greater than or equal to the Instrument Detection Limit.  
 NA - Not analyzed/Not applicable  
 NE - Not established

TABLE 9

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NY

## GROUND WATER INORGANIC DATA

|           | NYS MCL | NYS CLASS GA | STANDARDS | DATE COLLECTED | FILTERED                     |                               | TOTAL                       | TOTAL                       | TOTAL                       | TOTAL                       | TOTAL                     | TOTAL                     | TOTAL                     |
|-----------|---------|--------------|-----------|----------------|------------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------|---------------------------|---------------------------|
|           |         |              |           |                | FILTERED<br>MW-3D<br>4/15/92 | FIELD DUP<br>MW-3D<br>4/15/92 | FILTERED<br>MW-4<br>2/20/92 | FILTERED<br>MW-4<br>4/15/92 | FILTERED<br>MW-4<br>2/20/92 | FILTERED<br>MW-4<br>4/15/92 | TOTAL<br>MW-4D<br>2/20/92 | TOTAL<br>MW-4D<br>4/15/92 | TOTAL<br>MW-4D<br>4/15/92 |
| Aluminum  | NE      | NE           | NE        | 36.3 U         | 36.3 U                       | 36.3 U                        | 184,000                     | 112,000                     | 34.1 U                      | 36.3 U                      | 21,000                    | 26,000                    | 26,000                    |
| Antimony  | NE      | 3            | **        | 35.7 U         | 35.7 U                       | 35.7 U                        | 149                         | 423                         | 56.2 B                      | 89.2                        | 42.2 U                    | 127                       | 127                       |
| Arsenic   | 50      | 25           |           | 5 U            | 5 U                          | 5 U                           | 6.9 B                       | 5 U                         | 5 U                         | 5 U                         | 5 U                       | 5 U                       | 5 U                       |
| Barium    | 1,000   | 1,000        |           | 122 B          | 128 B                        | 128 B                         | 1,820                       | 1,290                       | 285                         | 269                         | 337                       | 427                       | 427                       |
| Beryllium | NE      | 3            | **        | 1.3 U          | 1.3 U                        | 1.3 U                         | 8.5                         | 8.5                         | 2.5 U                       | 1.3 U                       | 2.5 U                     | 2.3 B                     | 2.3 B                     |
| Cadmium   | 10      | 10           |           | 3.8 U          | 3.8 U                        | 3.8 U                         | 4.1 U                       | 4.8 B                       | 4.1 U                       | 3.8 U                       | 4.1 U                     | 3.8 U                     | 3.8 U                     |
| Calcium   | NE      | NE           | NE        | 86,200         | 90,500                       | 90,500                        | 138,000                     | 113,000                     | 121,000                     | 108,000                     | 83,800                    | 74,500                    | 74,500                    |
| Chromium  | 50      | 50           |           | 3.9 U          | 3.9 U                        | 3.9 U                         | 376                         | 323                         | 9.1 U                       | 3.9 U                       | 53.6                      | 70.7                      | 70.7                      |
| Cobalt    | NE      | NE           | NE        | 6.9 U          | 6.9 U                        | 6.9 U                         | 166                         | 116                         | 14.5 B                      | 13.3 B                      | 24.8 B                    | 28.4 B                    | 28.4 B                    |
| Copper    | 1,000   | 200          |           | 3.9 U          | 3.9 U                        | 3.9 U                         | 394                         | 369                         | 5 U                         | 3.9 U                       | 53.8                      | 90.6                      | 90.6                      |
| Iron      | 300     | 300          |           | 70.9 B         | 83.4 B                       | 83.4 B                        | 245,000                     | 197,000                     | 15,900                      | 28,800                      | 37,000                    | 52,000                    | 52,000                    |
| Lead      | 50      | 25           |           | 2 U            | 2 U                          | 2 U                           | 95.6                        | 78.9                        | 3 U                         | 2 U                         | 15.5                      | 22                        | 22                        |
| Magnesium | NE      | 35,000       |           | 30,800         | 32,100                       | 32,100                        | 98,200                      | 79,900                      | 37,700                      | 35,200                      | 34,300                    | 36,700                    | 36,700                    |
| Manganese | 300     | 300          |           | 285            | 302                          | 302                           | 9,050                       | 6,290                       | 6,560                       | 5,190                       | 811                       | 1,600                     | 1,600                     |
| Mercury   | 2       | 2            |           | 0.2 U          | 0.2 U                        | 0.2 U                         | 0.68                        | 0.24                        | 0.2 U                       | 0.2 U                       | 0.2 U                     | 0.2 U                     | 0.2 U                     |
| Nickel    | NE      | NE           |           | 30.6 U         | 30.6 U                       | 30.6 U                        | 304                         | 235                         | 21.5 U                      | 30.6 U                      | 41.2                      | 55.1                      | 55.1                      |
| Potassium | NE      | NE           |           | 4,060 B        | 4,110 B                      | 4,110 B                       | 50,400                      | 34,700                      | 11,400                      | 9,140                       | 16,400                    | 16,800                    | 16,800                    |
| Selenium  | NE      | 10           |           | 4 U            | 4 U                          | 4 U                           | 50 U                        | 4 U                         | 5 U                         | 4 U                         | 5 U                       | 4 U                       | 4 U                       |
| Silver    | NE      | 50           |           | 9.9 U          | 9.9 U                        | 9.9 U                         | 5.7 U                       | 9.9 U                       | 5.7 U                       | 9.9 U                       | 5.7 U                     | 9.9 U                     | 9.9 U                     |
| Sodium    | NE      | 20,000       |           | 49,400         | 51,600                       | 51,600                        | 126,000                     | 134,000                     | 135,000                     | 177,000                     | 32,200                    | 38,900                    | 38,900                    |
| Thallium  | NE      | 4            | **        | 5 U            | 5 U                          | 5 U                           | 5 U                         | 5 U                         | 5 U                         | 5 U                         | 5 U                       | 5 U                       | 5 U                       |
| Vanadium  | NE      | NE           |           | 4.8 U          | 4.8 U                        | 4.8 U                         | 419                         | 314                         | 7.9 U                       | 4.8 U                       | 68.1                      | 82                        | 82                        |
| Zinc      | 5,000   | 300          |           | 21             | 21                           | 21                            | 589                         | 480                         | 10.4 B                      | 25.2                        | 135                       | 156                       | 156                       |
| Cyanide   |         | 100          |           | 10 U           | 10 U                         | 10 U                          | NA                          | 10 U                        | NA                          | 10 U                        | NA                        | 10 U                      | 10 U                      |

NOTES: All values reported in µg/L (ppb).

U - Analyzed for but not detected.

B - Value is less than the Contract Required Detection Limit, but greater than or equal to the Instrument Detection Limit.

NA - Not analyzed/Not applicable

NE - Not established

\*\* - NYS Class GA Guidance Value  
NYS MCLs are 10 NYCRR 6-1 MCLs

TABLE 9

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NY

## GROUND WATER INORGANIC DATA

|           | NYS MCL | NYS CLASS GA STANDARDS | DATE COLLECTED | FILTERED<br>MW-4D<br>2/20/92 | FILTERED<br>MW-4D<br>4/15/92 |
|-----------|---------|------------------------|----------------|------------------------------|------------------------------|
| Aluminum  | NE      | NE                     |                | 34.1 U                       | 36.3 U                       |
| Antimony  | NE      | 3 **                   |                | 42.2 U                       | 35.7 U                       |
| Arsenic   | 50      | 25                     |                | 5 U                          | 5 U                          |
| Barium    | 1,000   | 1,000                  |                | 101 B                        | 121 B                        |
| Beryllium | NE      | 3 **                   |                | 2.5 U                        | 1.3 B                        |
| Cadmium   | 10      | 10                     |                | 4.1 U                        | 3.8 U                        |
| Calcium   | NE      | NE                     |                | 78,800                       | 64,100                       |
| Chromium  | 50      | 50                     |                | 9.1 U                        | 3.9 U                        |
| Cobalt    | NE      | NE                     |                | 10.4 U                       | 6.9 U                        |
| Copper    | 1,000   | 200                    |                | 5 U                          | 3.9 U                        |
| Iron      | 300     | 300                    |                | 13.3 U                       | 28.6 B                       |
| Lead      | 50      | 25                     |                | 3 U                          | 2 U                          |
| Magnesium | NE      | 35,000                 |                | 22,700                       | 19,600                       |
| Manganese | 300     | 300                    |                | 234                          | 69.7                         |
| Mercury   | 2       | 2                      |                | 0.2 U                        | 0.2 U                        |
| Nickel    | NE      | NE                     |                | 21.5 U                       | 30.6 U                       |
| Potassium | NE      | NE                     |                | 6,180                        | 5,830                        |
| Selenium  | NE      | 10                     |                | 5 U                          | 4 U                          |
| Silver    | NE      | 50                     |                | 5.7 U                        | 9.9 U                        |
| Sodium    | NE      | 20,000                 |                | 32,500                       | 47,800                       |
| Thallium  | NE      | 4 **                   |                | 5 U                          | 5 U                          |
| Vanadium  | NE      | NE                     |                | 7.9 U                        | 4.8 U                        |
| Zinc      | 5,000   | 300                    |                | 5.3 U                        | 4.6 B                        |
| Cyanide   |         | 100                    |                | NA                           | 10 U                         |

NOTES: All values reported in µg/L (ppb).

U - Analyzed for but not detected.

B - Value is less than the Contract Required Detection Limit,  
but greater than or equal to the Instrument Detection Limit.

NA - Not analyzed/Not applicable

NE - Not established

\*\* - NYS Class GA Guidance Value  
NYS MCLs are 10 NYCRR 5-1 MCLs

TABLE 10

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NEW YORK  
GROUND WATER ORGANIC (IRM)

|                              | DATE COLLECTED | WELL-5<br>3/4/92 | RW-2<br>4/10/92 | RW-2<br>4/30/92 | RW-2<br>5/12/92 | RW-2<br>6/17/92 |
|------------------------------|----------------|------------------|-----------------|-----------------|-----------------|-----------------|
| 1,1-Dichloroethane           |                | ND               | <5,000          | 9,300           | 4,800           | 5,500           |
| 1,1-Dichloroethylene         |                | ND               | <5,000          | 1,800           | <1,000          | 1,200           |
| 1,2-Dichloroethylene (total) |                | ND               | <5,000          | 28,000          | 17,000          | 17,000          |
| Dichloromethane              |                | NA               | NA              | 1,200           | <1,000          | <1,000          |
| Tetrachloroethylene          |                | 140,000          | 130,000         | 38,000          | 33,000          | 25,000          |
| Toluene                      |                | 900              | <5,000          | 8,100           | <1,000          | 3,900           |
| 1,1,1-Trichloroethane        |                | 74,000           | 85,000          | 98,000          | 95,000          | 70,000          |
| Trichloroethene              |                | NA               | <5,000          | <1,000          | 1,400           | 1,000           |
| Total VOCs                   |                | 214,900          | 215,000         | 184,400         | 151,200         | 123,600         |

NOTES: All values reported in  $\mu\text{g/L}$  (ppb)

< - Compound not detected. "1" identifies the detection limit.

ND - Not detectable

NA - Not analyzed

TABLE 11

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NY

## SURFACE WATER ORGANIC DATA

|                                     | NYS MCL | NYS CLASS A<br>STANDARDS | DATE COLLECTED | SW-1<br>2/20/92 | SW-1<br>4/16/92 | SW-2<br>2/20/92 | SW-2<br>4/16/92 | SW-3<br>2/20/92 | SW-3<br>4/16/92 |
|-------------------------------------|---------|--------------------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Chloromethane                       | 5       | NE                       |                | 10 U            | 1 U             | 10 U            | 1 U             | 10 U            | 1 U             |
| Bromomethane                        | 5       | NE                       |                | 10 U            | 1 U             | 10 U            | 1 U             | 10 U            | 1 U             |
| Vinyl Chloride                      | 2       | NE                       |                | 10 U            | 1 U             | 10 U            | 1 U             | 10 U            | 1 U             |
| Chloroethane                        | 5       | NE                       |                | 10 U            | 1 U             | 10 U            | 1 U             | 10 U            | 1 U             |
| Methylene Chloride                  | 5       | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| 1,1-Dichloroethene                  | 5       | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| 1,1-Dichloroethane                  | 5       | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| 1,2-Dichloroethene (total)          | 10      | NE                       |                | 2 J             | 1 U             | 2 J             | 1 U             | 5 U             | 1 U             |
| Chloroform                          | NE      | 7                        |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| 1,2-Dichloroethane                  | 5       | 0.8                      |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| 1,1,1-Trichloroethane               | 5       | NE                       |                | 6               | 24              | 7               | 24              | 5 U             | 19              |
| Carbon Tetrachloride                | 5       | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| Bromodichloromethane                | NE      | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| 1,2-Dichloropropane                 | 5       | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| cis-1,3-Dichloropropene             | 5       | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| Trichloroethene                     | 5       | NE                       |                | 2 J             | 1 U             | 2 J             | 1 U             | 5 U             | 1 U             |
| Dibromochloromethane                | NE      | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| 1,1,2-Trichloroethane               | 5       | 0.6                      |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| Benzene                             | 5       | 0.7                      |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| Trans-1,3-Dichloropropene           | 5       | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| Tetrachloroethene                   | 5       | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| 1,1,2,2-Tetrachloroethane           | 5       | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| Toluene                             | 5       | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| Chlorobenzene                       | 5       | 20                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| Ethylbenzene                        | 5       | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| Xylene (total)                      | 5       | NE                       |                | 5 U             | 1 U             | 5 U             | 1 U             | 5 U             | 1 U             |
| Total Petroleum Hydrocarbons (mg/L) |         |                          |                | 11.3            | <1              | 10.9            | <1              | 10.9            | <1              |

All values reported in µg/L (ppb), unless otherwise noted.

U - Analyzed but not detected

J - Indicates an estimated value

2/92 samples analyzed using GC methods (8240).

4/92 samples analyzed using GC methods (8010/8020).

NYS MCLs are 10 NYCRR 5-1 MCLs

NA - Not analyzed/Not applicable

NE - Not established

Compound is detected.

TABLE 12

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NY

## SURFACE WATER INORGANIC DATA

| NYS CLASS A<br>SURFACE<br>WATER |       | NYS MCL STANDARDS |  | DATE COLLECTED |  | SW-1<br>2/20/92 | SW-1<br>4/16/92 | SW-2<br>2/20/92 | SW-2<br>4/16/92 | SW-3<br>2/20/92 | SW-3<br>4/16/92 |
|---------------------------------|-------|-------------------|--|----------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Aluminum                        | NE    | 100               |  |                |  | 113 B           | 84.2 B          | 108 B           | 268             | 128 B           | 100 B           |
| Antimony                        | NE    | NE                |  |                |  | 42.2 U          | 35.7 U          | 42.2 U          | 35.7 U          | 42.2 U          | 35.7 U          |
| Arsenic                         | 50    | 50                |  |                |  | 5 U             | 5 U             | 5 U             | 5 U             | 5 U             | 5 U             |
| Barium                          | 1,000 | 1,000             |  |                |  | 45.5 B          | 49.2 B          | 41.2 B          | 50.5 B          | 41.2 B          | 49.2 B          |
| Beryllium                       | NE    | 11                |  |                |  | 2.5 U           | 1.3 B           | 2.5 U           | 1.3 B           | 2.5 U           | 1.3 B           |
| Cadmium                         | 10    | 10                |  |                |  | 4.1 U           | 3.8 U           | 4.1 U           | 3.8 U           | 4.1 U           | 3.8 U           |
| Calcium                         | NE    | NE                |  |                |  | 34,200          | 40,800          | 33,200          | 38,400          | 31,300          | 35,400          |
| Chromium                        | 50    | 50                |  |                |  | 9.1 U           | 3.9 U           | 9.1 U           | 3.9 U           | 9.1 U           | 3.9 U           |
| Cobalt                          | NE    | 5                 |  |                |  | 10.4 U          | 6.9 U           | 10.4 U          | 6.9 U           | 10.4 U          | 6.9 U           |
| Copper                          | 1,000 | 200               |  |                |  | 6.6 B           | 3.9 U           | 5 U             | 3.9 U           | 5 U             | 6.7 B           |
| Iron                            | 300   | 300               |  |                |  | 551             | 752             | 473             | 762             | 524             | 672             |
| Lead                            | 50    | 50                |  |                |  | 3.7             | 2.6 B           | 3 U             | 2 U             | 3.5             | 2 U             |
| Magnesium                       | NE    | 35,000            |  |                |  | 11,100          | 12,300          | 10,700          | 11,500          | 10,100          | 10,800          |
| Manganese                       | 300   | 300               |  |                |  | 183             | 332             | 177             | 316             | 169             | 285             |
| Mercury                         | 2     | 2                 |  |                |  | 0.2 U           | 0.2 U           | 0.2 U           | 0.2 U           | 0.2 U           | 0.2 U           |
| Nickel                          | NE    | NE                |  |                |  | 21.5 U          | 30.6 U          | 21.5 U          | 30.6 U          | 21.5 U          | 30.6 U          |
| Potassium                       | NE    | NE                |  |                |  | 4,110 B         | 4,440 B         | 4,450 B         | 4,710 B         | 3,260 B         | 4,510 B         |
| Selenium                        | NE    | 10                |  |                |  | 5 U             | 4 U             | 5 U             | 4 U             | 5 U             | 4 U             |
| Silver                          | NE    | 50                |  |                |  | 23.4            | 39.2            | 46.8            | 37.6            | 54.1            | 40.6            |
| Sodium                          | NE    | NE                |  |                |  | 47,900          | 44,800          | 46,100          | 41,900          | 43,800          | 38,700          |
| Thallium                        | NE    | 8                 |  |                |  | 5 U             | 5 U             | 5 U             | 5 U             | 5 U             | 5 U             |
| Vanadium                        | NE    | 14                |  |                |  | 7.9 U           | 4.8 U           | 7.9 U           | 4.8 U           | 7.9 U           | 4.8 U           |
| Zinc                            | 5,000 | 300               |  |                |  | 40.4            | 7.8 B           | 14.2 B          | 6.8 B           | 10 B            | 11 B            |
| Cyanide                         |       | 100               |  |                |  | NA              | 10 U            | NA              | 10 U            | NA              | 10 U            |

Data reported in  $\mu\text{G/L}$  (ppb)

U - Analyzed but not detected

B - Value is less than Contract Required Detection Limit,

but greater than or equal to the Instrument Detection Limit

NE - Not established

NYS MCLs are 10 NYCRR 5-1 MCLs

NA - Not analyzed/Not applicable

TABLE 13

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NY

## STREAM SEDIMENT ORGANIC DATA

|                              | DATE COLLECTED  |                 | FIELD DUP.      |                 |                 | FIELD DUP.      |                 |                 |
|------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                              | SS-1<br>2/21/92 | SS-1<br>4/16/92 | SS-2<br>2/21/92 | SS-2<br>2/21/92 | SS-2<br>4/16/92 | SS-2<br>4/16/92 | SS-3<br>2/21/92 | SS-3<br>4/16/92 |
| Chloromethane                | 0.013 U         | 0.0013 U        | 0.013 U         | 0.013 U         | 0.0013 U        | 0.0012 U        | 0.071 U         | 0.0013 U        |
| Bromomethane                 | 0.013 U         | 0.0013 U        | 0.013 U         | 0.013 U         | 0.0013 U        | 0.0012 U        | 0.071 U         | 0.0013 U        |
| Vinyl Chloride               | 0.013 U         | 0.0013 U        | 0.013 U         | 0.013 U         | 0.0013 U        | 0.0012 U        | 0.071 U         | 0.0013 U        |
| Chloroethane                 | 0.013 U         | 0.0013 U        | 0.013 U         | 0.013 U         | 0.0013 U        | 0.0012 U        | 0.071 U         | 0.0013 U        |
| Methylene Chloride           | 0.002 JB        | 0.0013 U        | 0.008 U         | 0.002 JB        | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| 1,1-Dichloroethene           | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| 1,1-Dichloroethane           | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| 1,2-Dichloroethene (total)   | 0.001 J         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| Chloroform                   | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0007 J        |
| 1,2-Dichloroethane           | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| 1,1,1-Trichloroethane        | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0019          |
| Carbon Tetrachloride         | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| Bromodichloromethane         | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| 1,2-Dichloropropane          | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| cis-1,3-Dichloropropene      | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| Trichloroethene              | 0.001 J         | 0.0013 U        | 0.006 U         | 0.001 J         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| Dibromochloromethane         | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| 1,1,2-Trichloroethane        | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| Benzene                      | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| Trans-1,3-Dichloropropene    | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| Tetrachloroethene            | 0.004 J         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.014           |
| 1,1,2,2-Tetrachloroethane    | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| Toluene                      | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| Chlorobenzene                | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| Ethylbenzene                 | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| Xylene (total)               | 0.006 U         | 0.0013 U        | 0.006 U         | 0.007 U         | 0.0013 U        | 0.0012 U        | 0.036 U         | 0.0013 U        |
| Total Petroleum Hydrocarbons | 2,550           | 1,740           | 3,240           | NA              | 1,030           | 2,510           | 23,000          | 747             |

All values reported in mg/kg (ppm)

NA - Not analyzed/Not applicable

J - Indicates an estimated value

2/92 samples analyzed using GC/MS method (8240).

4/92 samples analyzed using GC/MS methods (8010/8020).

B - Value is less than Contract Required Detection Limit,  
but greater than or equal to the Instrument Detection Limit

U - Analyzed for but not detected

Compound is detected.

TABLE 14

PHASE I REMEDIAL INVESTIGATION  
ITT SEALECTRO  
MAMARONECK, NY

## STREAM SEDIMENT INORGANIC DATA

|                | NYS RANGE     | WELL NO. | DATE COLLECTED | SS-1    | SS-1    | SS-2    | SS-2    | DUP.    | SS-2    | SS-2    | DUP.    | SS-3    | SS-3    |
|----------------|---------------|----------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                |               |          |                | 2/21/92 | 4/16/92 | 2/21/92 | 4/16/92 | 2/21/92 | 4/16/92 | 4/16/92 | 2/21/92 | 4/16/92 | 4/16/92 |
| Aluminum       | 1,000-25,000  |          |                | 2,460   | 3,730   | 3,710   | 3,240   | 4,550   | 4,030   | 28,700  | 2,500   |         |         |
| Antimony       | NE            |          |                | 10.9 U  | 27.8    | 10.7 U  | 11.2 U  | 38.4    | 43.7    | 2,170   | 31.6    |         |         |
| Arsenic        | 3-12          |          |                | 3.2     | 3.6     | 4.5     | 3.5     | 3.5     | 3.7     | 36.4    | 2 B     |         |         |
| Barium         | 15-600        |          |                | 25.2 B  | 63.5    | 42 B    | 42.7 B  | 45.7 B  | 45.4 B  | 207 B   | 30.8 B  |         |         |
| Beryllium      | 0-1.75        |          |                | 1 B     | 1.1 B   | 9.3     | 34.5    | 1.5     | 2.5     | 3.6 U   | 0.34 U  |         |         |
| Cadmium        | 0.01-0.88     |          |                | 1.1 U   | 0.99 U  | 1 U     | 1.1 U   | 0.98 U  | 1.3     | 5.9 U   | 1 U     |         |         |
| Calcium        | 130-35,000    |          |                | 19,000  | 10,200  | 4,170   | 8,280   | 6,860   | 7,310   | 31,500  | 4,260   |         |         |
| Chromium       | 1.5-40        |          |                | 9.6     | 17.5    | 16.5    | 37.4    | 16.5    | 10      | 71      | 10.1    |         |         |
| Cobalt         | 2.5-60        |          |                | 3 B     | 3.3 B   | 6.6 B   | 6.9 B   | 5.6 B   | 4.9 B   | 19.8 B  | 4.9 B   |         |         |
| Copper         | 37.4-112.2    |          |                | 372     | 218     | 2,790   | 2,400   | 318     | 4,710   | 347     | 41      |         |         |
| Iron           | 17,500-25,000 |          |                | 8,860   | 12,500  | 13,200  | 12,200  | 17,700  | 13,300  | 73,400  | 12,800  |         |         |
| Lead           | 1-12.5        |          |                | 108     | 75.6    | 116     | 248     | 87      | 275     | 586     | 57      |         |         |
| Magnesium      | 1,700-6,000   |          |                | 2,660   | 4,240   | 2,870   | 4,940   | 3,630   | 3,180   | 15,800  | 2,330   |         |         |
| Manganese      | 50-5,000      |          |                | 143     | 205     | 186     | 159     | 199     | 228     | 697     | 253     |         |         |
| Mercury        | 0.042-0.066   |          |                | 0.12 U  | 0.13 U  | 0.12 U  | 0.13 U  | 0.13 U  | 0.13    | 0.78    | 0.13 U  |         |         |
| Nickel         | 8.5-25        |          |                | 5.6 U   | 14      | 16.5    | 18.6    | 25.3    | 16.6    | 76.9    | 20      |         |         |
| Potassium      | 8,500-43,000  |          |                | 457 B   | 765 B   | 1,080 B | 505 B   | 1,400   | 955 B   | 2,070 U | 566 B   |         |         |
| Selenium       | <0.1-0.125    |          |                | 1.3 U   | 1 U     | 1.3 U   | 1.3 U   | 1 U     | 1 U     | 7.1 U   | 1.1 U   |         |         |
| Silver         | NE            |          |                | 1.5 U   | 2.6 U   | 5.6     | 1.5 U   | 41.6    | 4       | 8.1 U   | 2.6 U   |         |         |
| Sodium         | 6,000-8,000   |          |                | 173 U   | 125 U   | 170 U   | 178 U   | 124 U   | 121 U   | 956 U   | 127 U   |         |         |
| Thallium       | NE            |          |                | 1.3 U   | 1.3 U   | 1.3 U   | 1.3 U   | 1.3 U   | 1.3 U   | 7.1 U   | 1.3 U   |         |         |
| Vanadium       | 25-60         |          |                | 9.2 B   | 12.5 B  | 13.3    | 10.5 B  | 12.5 B  | 13      | 76.7    | 9.1 B   |         |         |
| Zinc           | 37-60         |          |                | 286     | 237     | 1,380   | 321     | 448     | 2,230   | 808     | 128     |         |         |
| Cyanide        |               |          |                | NA      | 0.57 U  | NA      | NA      | 0.6 U   | 0.65 U  | NA      | 0.66 U  |         |         |
| Percent Solids |               |          |                | 77.3    | 77.0    | 78.6    | 75.2    | 77.8    | 79.5    | 14      | 76      |         |         |

NOTES: Surface soil data reported in MG/KG (ppm)  
NE - Not established  
NA - Not analyzed/Not applicable  
B - Value is less than Contract Required Detection Limit,  
but greater than or equal to the Instrument Detection Limit  
U - Analyzed but not detected.

## Figures

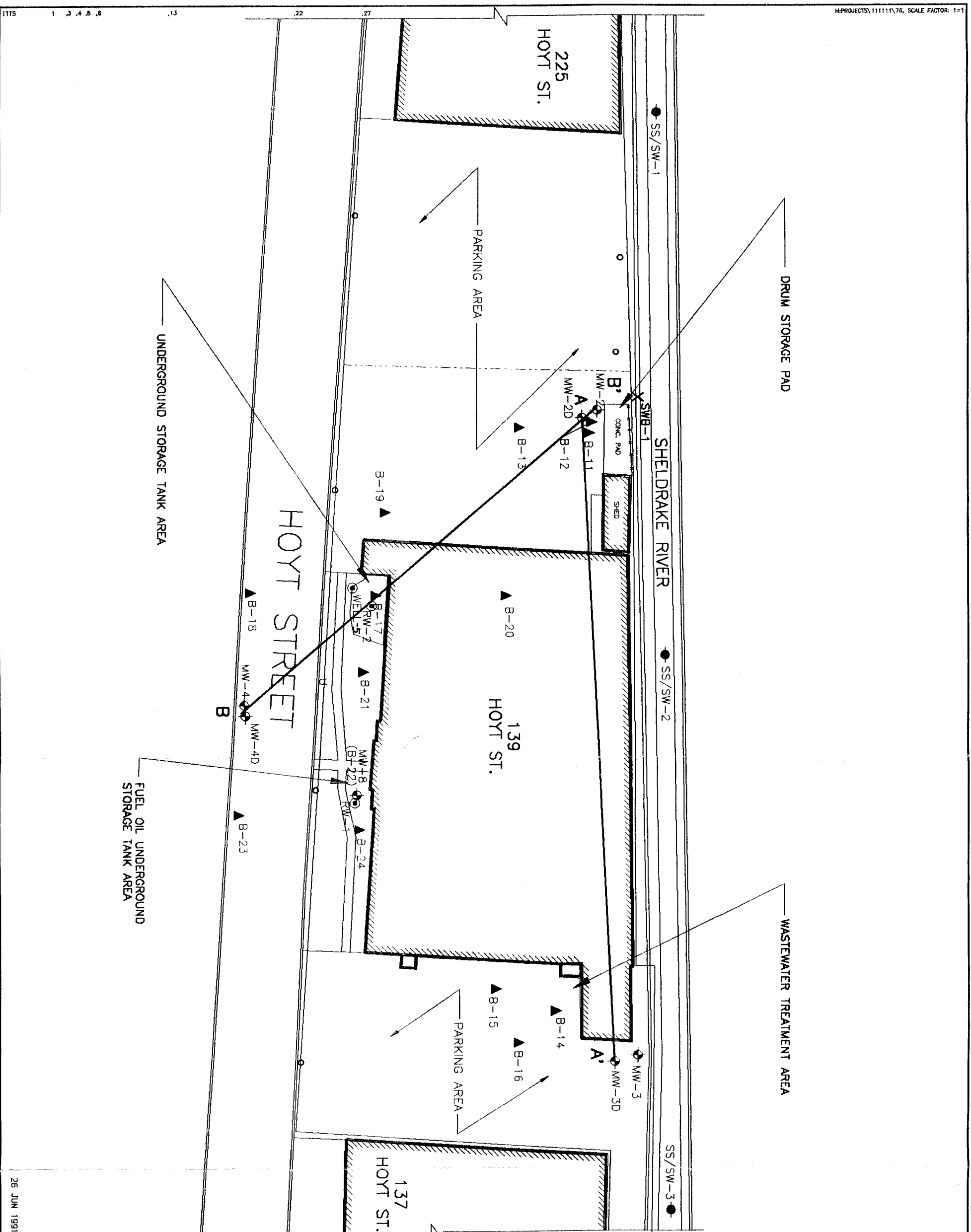


**O'BRIEN & GERE**  
ENGINEERS, INC.



FIGURE 2  
ITT SEALECTRO  
MAMARONECK, NEW YORK

PHASE 1 REMEDIAL INVESTIGATION



SITE BASE MAP

SCALE IN FEET

0 40

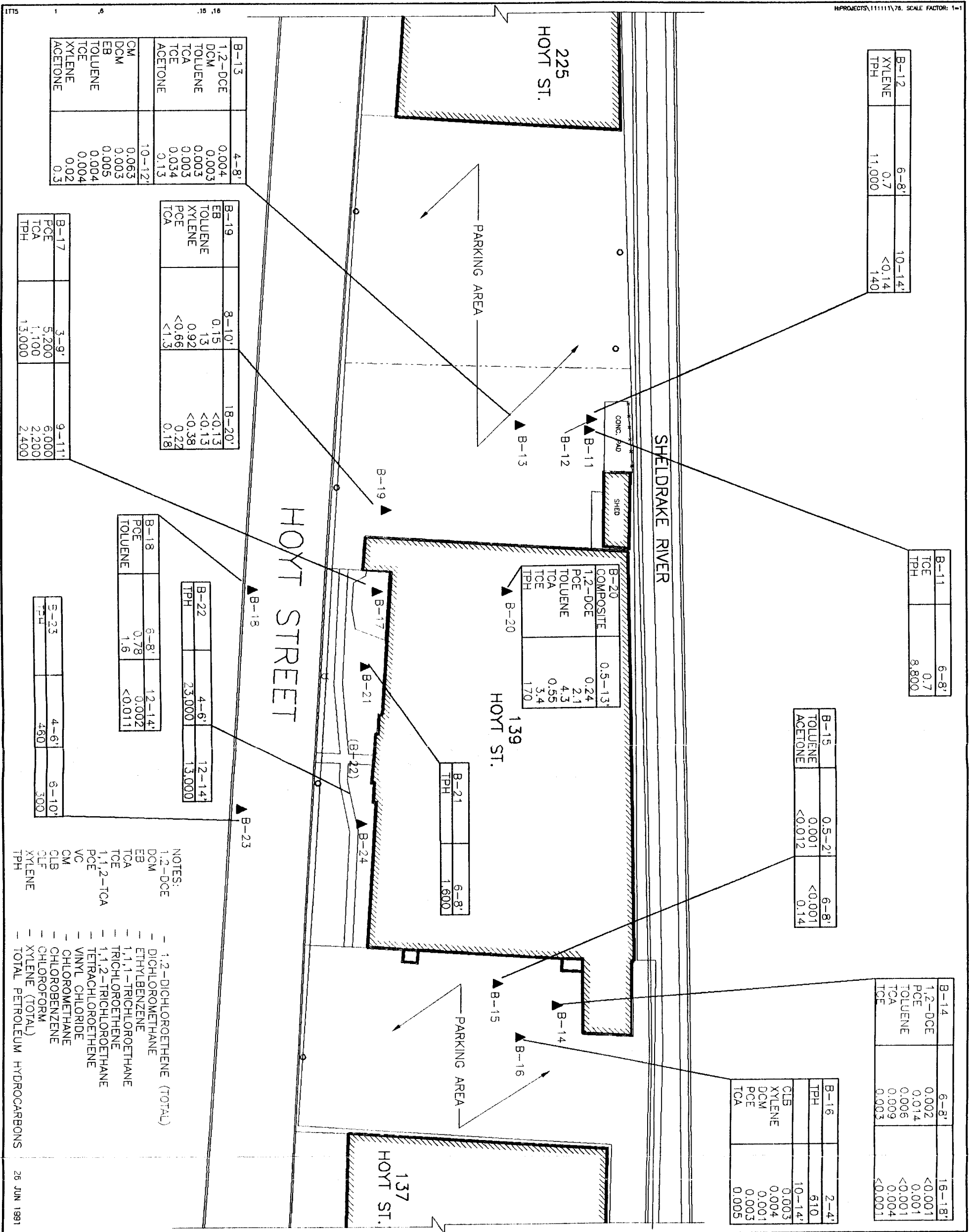
3356.011.220

**O'BRIEN & GIERE**  
ENGINEERS, INC.

26 JUN 1991

FIGURE 3  
ITT SEALECTRO  
MAMARONECK, NEW YORK

PHASE 1 REMEDIAL INVESTIGATION



LEGEND

PROPERTY LINE

SOIL BORING LOCATION

REMEDIAL INVESTIGATION  
SOILS - ORGANIC DATA

NOTE:

CONCENTRATIONS IN mg/kg (ppm).



SCALE IN FEET

3356.011.220

|         |         |         |
|---------|---------|---------|
| MW-2    | 2/19/92 | 4/15/92 |
| 1,1-DCE | 22      | 60      |
| 1,2-DCE | 19      | <1      |
| VC      | <1      | 130     |
| TPH     | 11.1    | <1      |

|         |         |         |
|---------|---------|---------|
| MW-2D   | 2/19/92 | 4/15/92 |
| 1,1-DCE | 5       | <1      |
| 1,2-DCE | 22      | <1      |
| TCA     | 22      | <1      |
| TCE     | 18      | 25      |
| PCE     | <5      | 28      |
| TPH     | 11      | <1      |

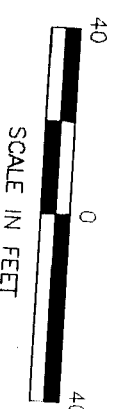
|           |         |         |
|-----------|---------|---------|
| MW-3      | 2/19/92 | 4/15/92 |
| 1,1-DCE   | 410     | 200     |
| 1,1-DCA   | 220     | 150     |
| 1,2-DCE   | 34      | 5.9     |
| CLF       | 1 J     | <1      |
| 1,2-DCA   | <5      | 17      |
| TCA       | 530     | 90      |
| TCE       | 28      | 41      |
| 1,1,2-TCE | 10      | <1      |
| PCE       | 8       | <1      |
| TPH       | 11.3    | <1      |

FIGURE 4  
ITT SEALECTRO  
MAMARONECK, NEW YORK  
PHASE 1 REMEDIAL INVESTIGATION

LEGEND

- PROPERTY LINE
- MONITORING WELL LOCATION
- RECOVERY WELL LOCATION

GROUND WATER  
ORGANIC DATA



3356.011.220

SHELDRAKE RIVER

225  
HOYT ST.

PARKING AREA

139  
HOYT ST.

|         |         |         |
|---------|---------|---------|
| MW-4    | 2/19/92 | 4/15/92 |
| VC      | 9 J     | <1      |
| 1,2-DCE | 74      | <1      |
| TCE     | 2 J     | 38      |
| TPH     | 11.4    | <1      |

HOYT STREET

|       |         |         |
|-------|---------|---------|
| MW-4D | 2/19/92 | 4/15/92 |
| PCE   | 3       | <1      |
| TPH   | 10.8    | <1      |

|         |         |         |
|---------|---------|---------|
| RW-2    | 4/10/92 | 4/30/92 |
| PCE     | 130,000 | 38,000  |
| TOLUENE | <5,000  | 8,100   |
| TCA     | 85,000  | 98,000  |
| 1,1-DCE | <5,000  | 9,300   |
| 1,1-DCA | <5,000  | 1,800   |
| 1,2-DCE | <5,000  | 28,000  |
| CM      | <10,000 | 1,200   |

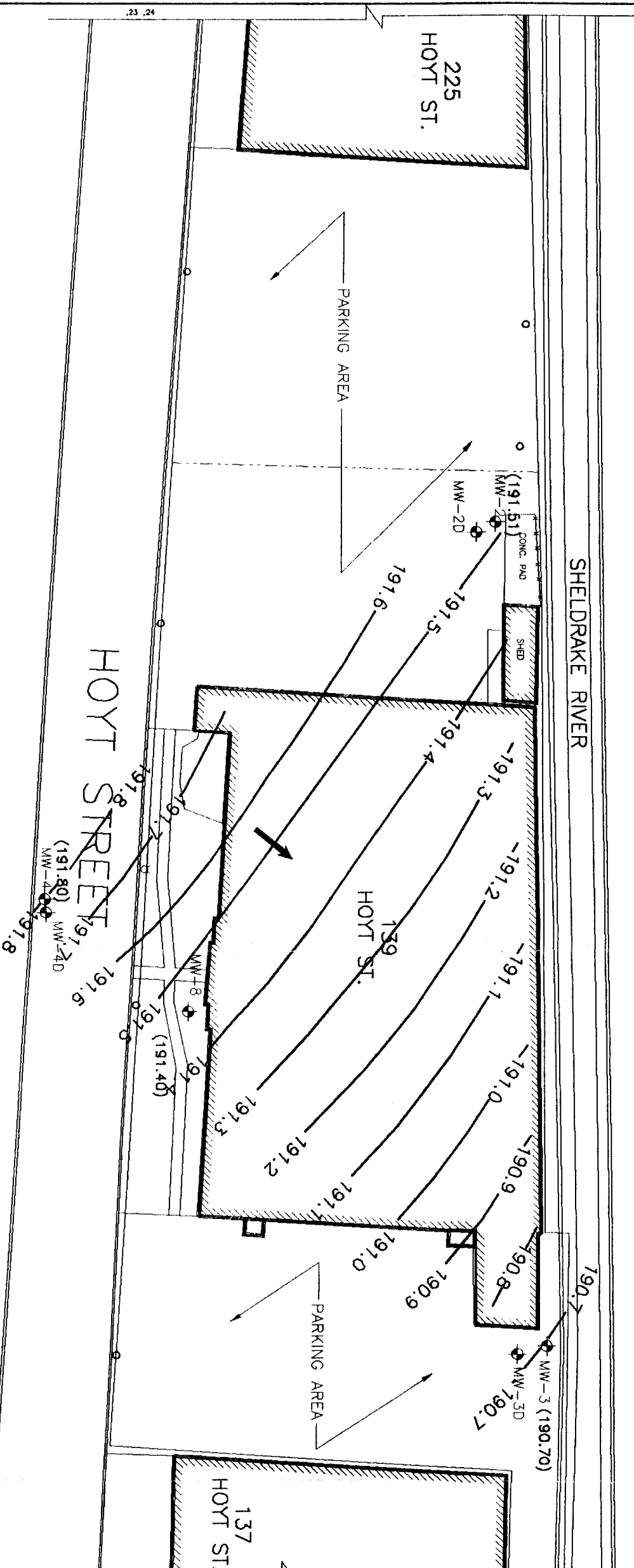
|         |         |
|---------|---------|
| WELL-5  | 3/4/92  |
| PCE     | 140,000 |
| TOLUENE | 900     |
| TCA     | 74,000  |

|           |         |         |
|-----------|---------|---------|
| MW-3D     | 2/19/92 | 4/15/92 |
| 1,1-DCE   | 19      | 71      |
| 1,1-DCA   | 16      | <1      |
| 1,2-DCE   | 13      | <1      |
| TCA       | 330     | <1      |
| TCE       | 9       | 57      |
| 1,1,2-TCE | <5      | 17      |
| PCE       | 420     | 2.4     |
| TPH       | 12      | 190     |

- NOTES:
- 1,1-DICHLOROETHENE
  - 1,1-DICHLOROETHANE
  - 1,2-DICHLOROETHANE
  - 1,1,1-TRICHLOROETHENE (TOTAL)
  - TRICHLOROETHENE
  - 1,1,2-TRICHLOROETHANE
  - TETRACHLOROETHANE
  - VINYL CHLORIDE
  - CHLOROMETHANE
  - CHLOROFORM
  - TOTAL PETROLEUM HYDROCARBONS (mg/kg)
  - J - INDICATES AN ESTIMATED VALUE.
  - CONCENTRATIONS IN ug/L (ppb) UNLESS OTHERWISE NOTED.

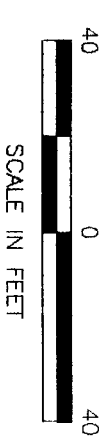
FIGURE 5  
ITT SEALECTRO  
MAMARONECK, NEW YORK

PHASE 1 REMEDIAL INVESTIGATION



- LEGEND**
- PROPERTY LINE
  - MONITORING WELL LOCATION
  - GROUND WATER ELEVATION (191.51)
  - GROUND WATER ELEVATION 191.60
  - GROUND WATER FLOW DIRECTION

SHALLOW GROUND WATER  
FLOW MAP 2/19/92



3356.011.220



26 JUN 1991

FIGURE 6  
ITT SEALECTRO  
MAMARONECK, NEW YORK  
PHASE 1 REMEDIAL INVESTIGATION

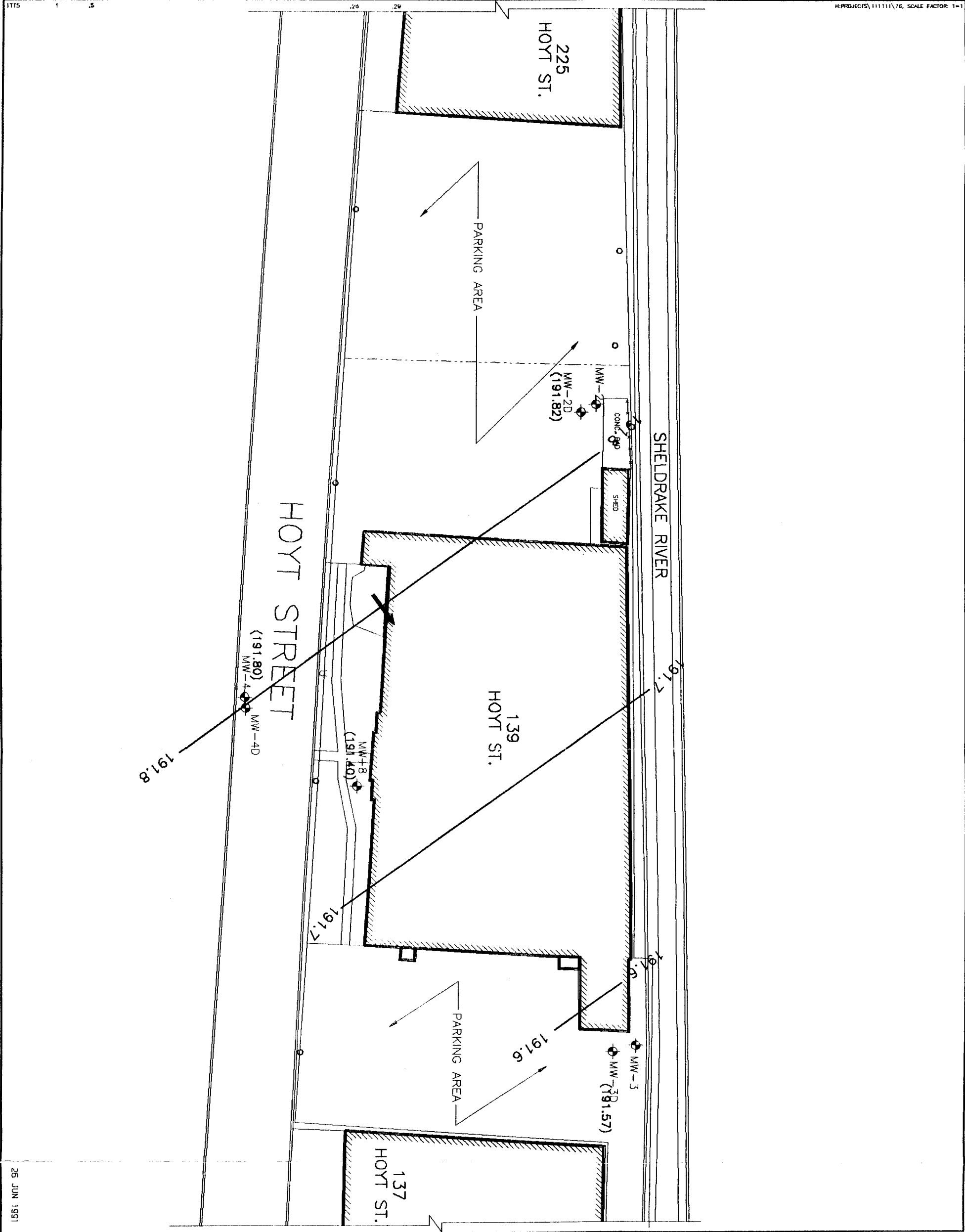
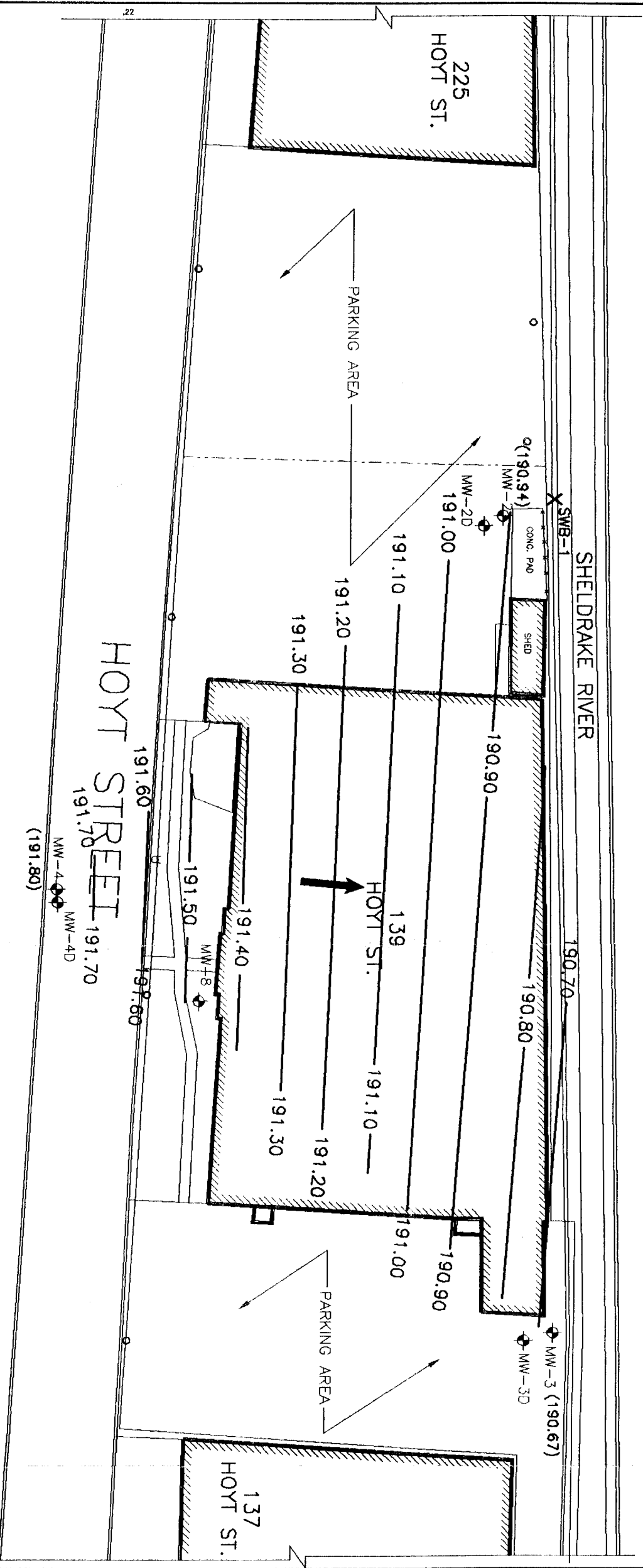


FIGURE 7  
ITT SELECTRO  
MAMARONECK, NEW YORK

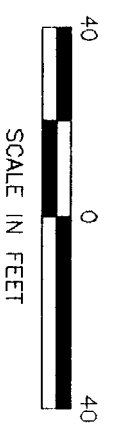
PHASE 1 REMEDIAL INVESTIGATION



LEGEND

- PROPERTY LINE
- MONITORING WELL LOCATION
- (191.80) GROUND WATER ELEVATION
- 191.00 GROUND WATER ELEVATION
- GROUND WATER FLOW DIRECTION
- X SURFACE WATER BENCHMARK

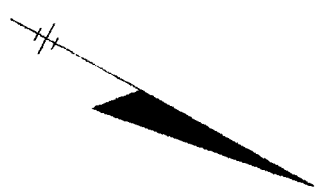
SHALLOW GROUND WATER  
FLOW 4/15/92



3356.011.220



FIGURE 8  
ITT SEAELECTRO  
MAMARONECK, NEW YORK  
PHASE 1 REMEDIAL INVESTIGATION



LEGEND

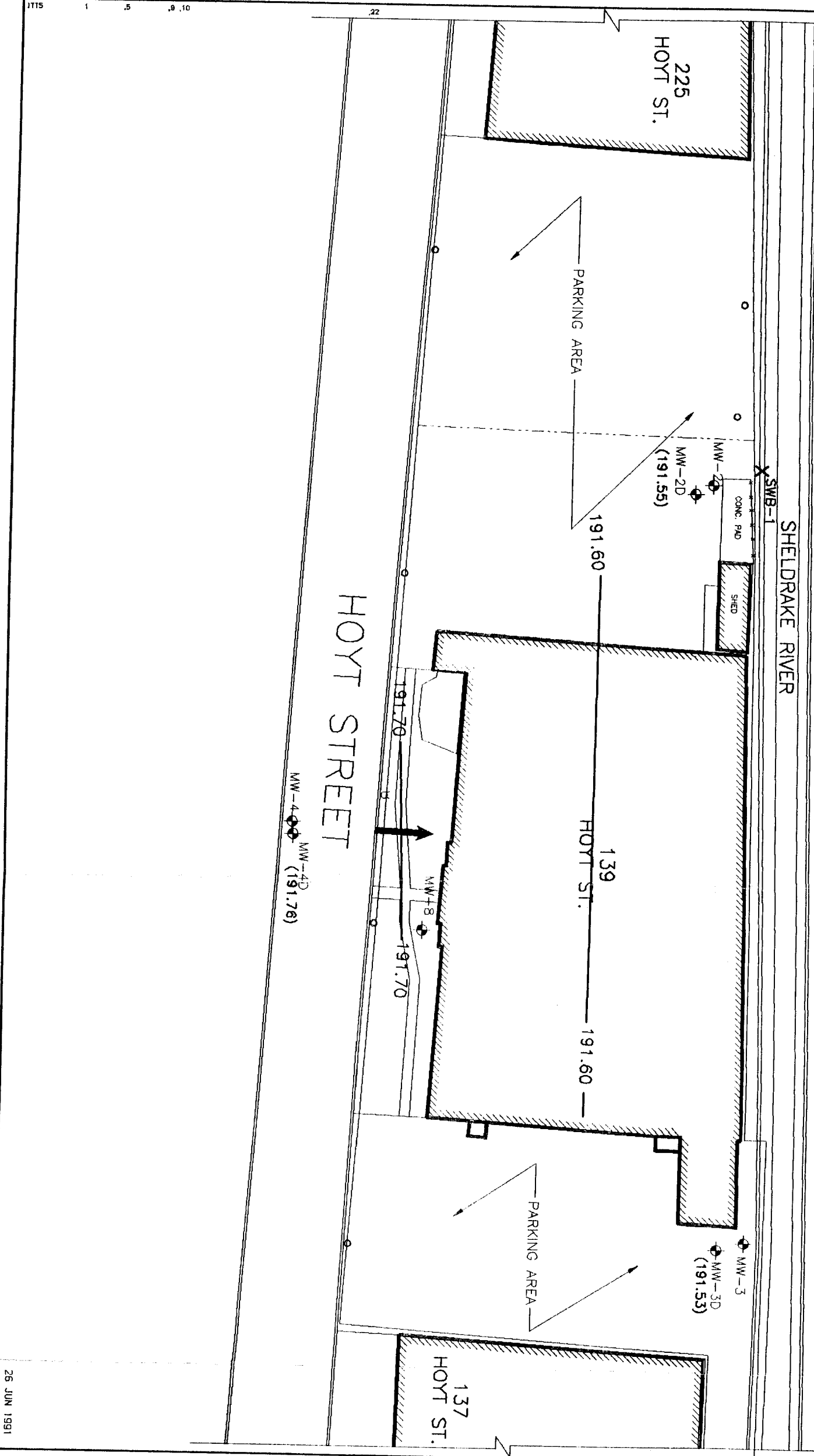
- PROPERTY LINE
- MONITORING WELL LOCATION
- GROUND WATER ELEVATION (191.53)
- GROUND WATER ELEVATION 191.60
- GROUND WATER FLOW DIRECTION
- SURFACE WATER BENCH MARK X

DEEP GROUND WATER  
FLOW 4/15/92



SCALE IN FEET

3356.011.220



# ITT SEALECTRO

## STORM DATA

### GROUND WATER AND SURFACE WATER

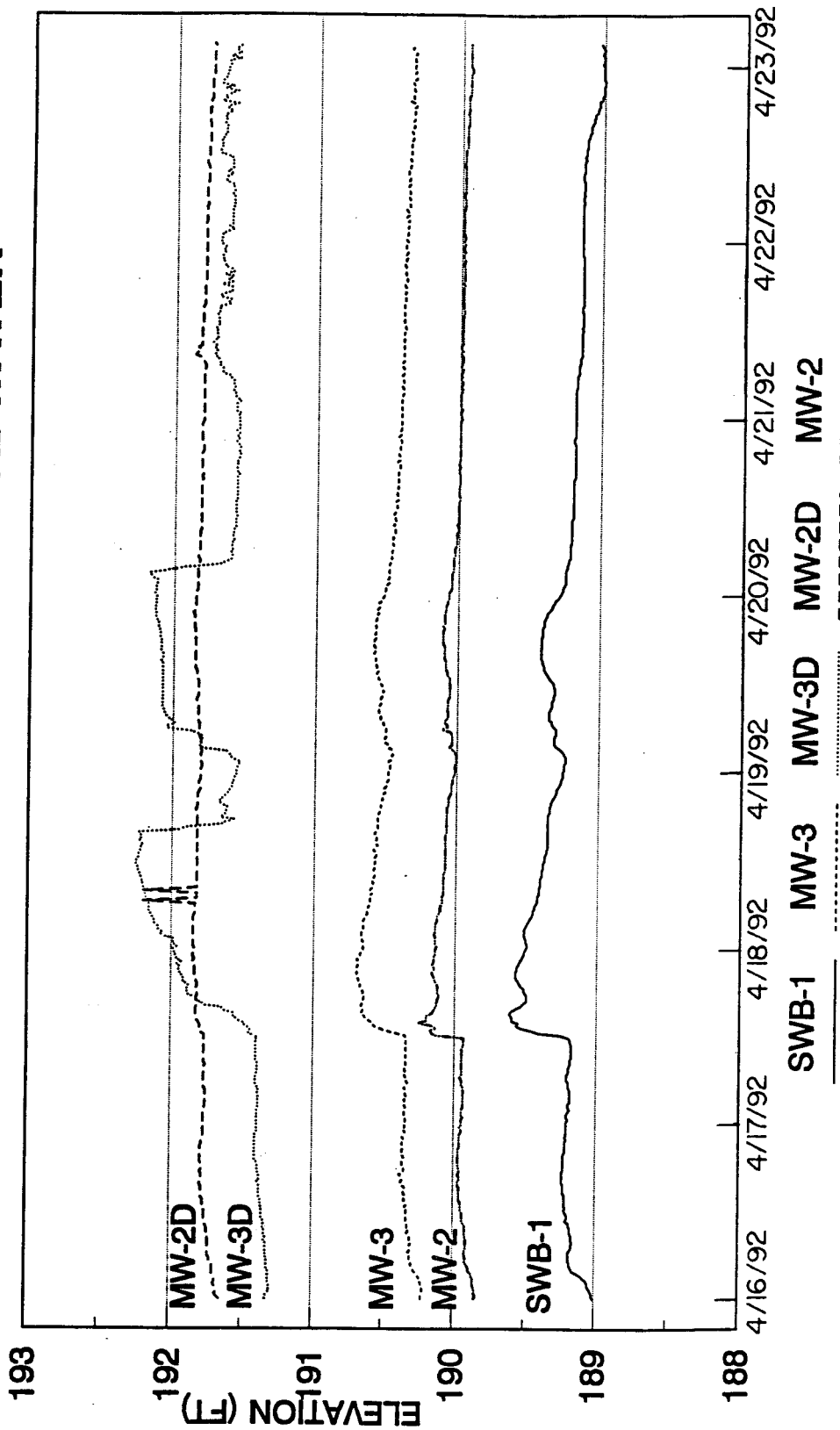


FIGURE 9A



O'BRIEN & GERE  
ENGINEERS, INC.

# ITT SEALECTRO

## STORM DATA

### MW-2D

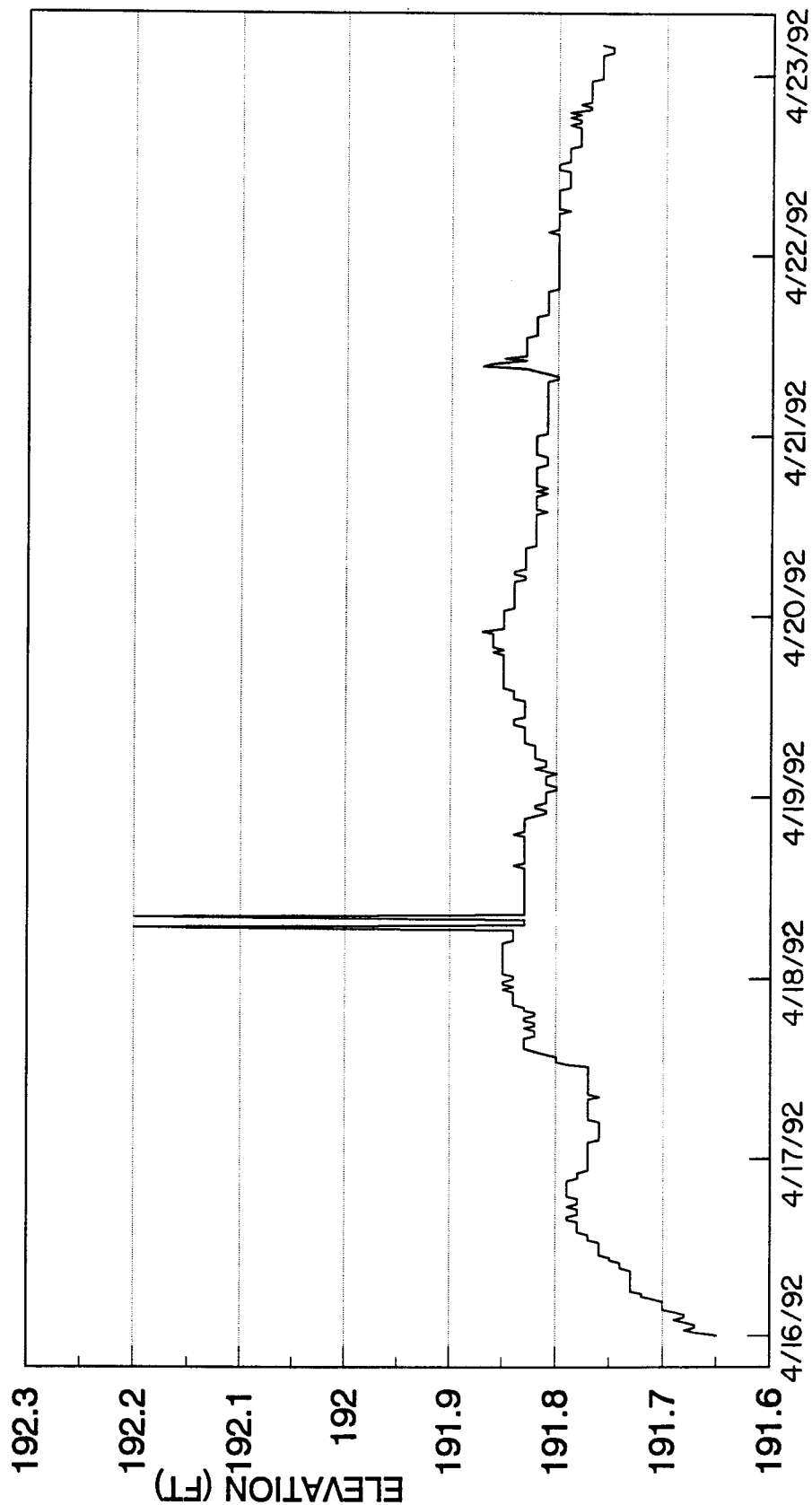


FIGURE 9B

FIGURE 10  
ITT SEALECTRO  
MAMARONECK, NEW YORK

PHASE 1 REMEDIAL INVESTIGATION

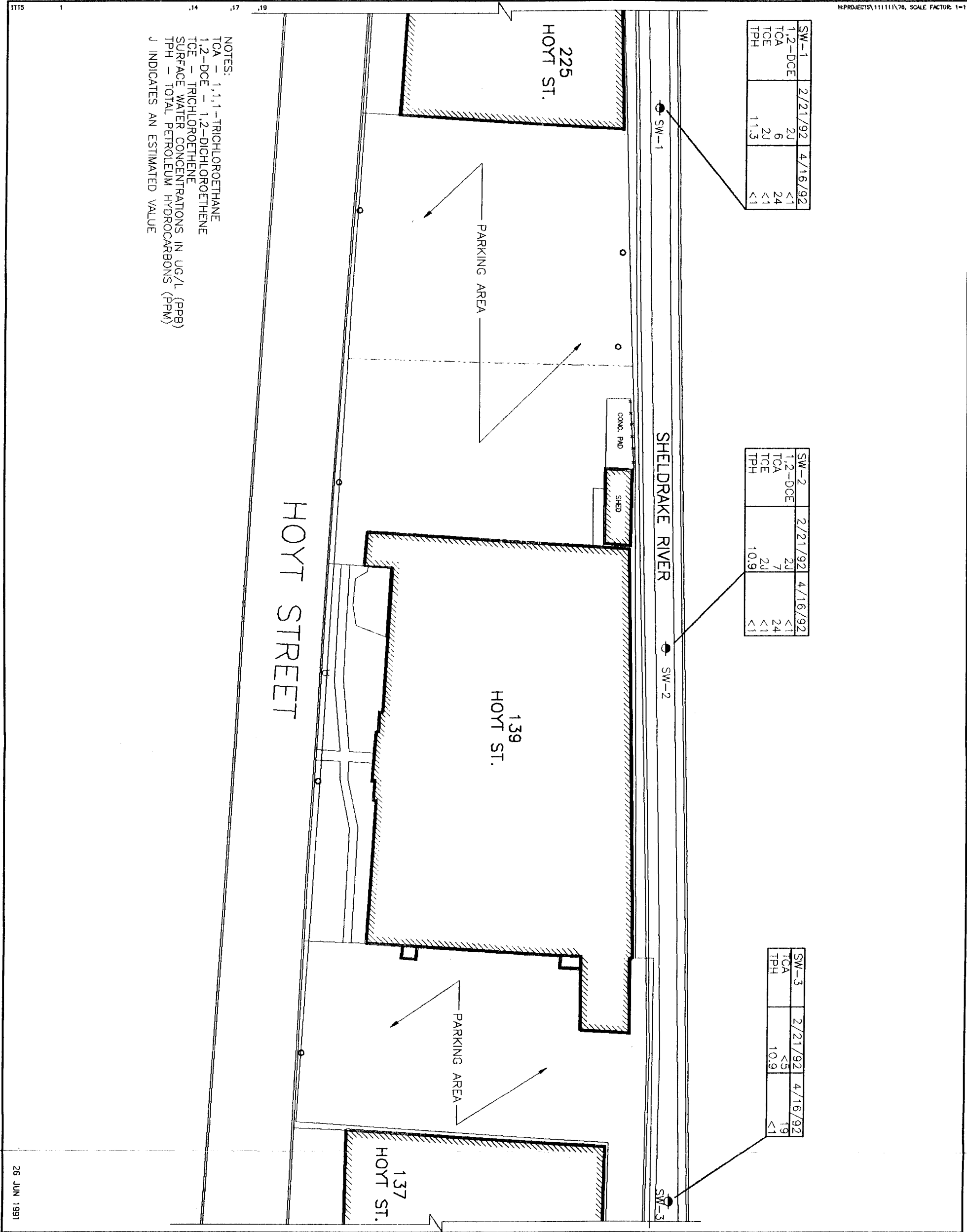
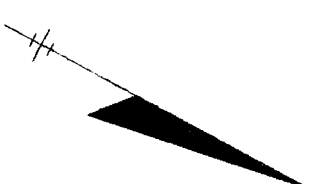


FIGURE 11  
ITT SEAELECTRO  
MAMARONECK, NEW YORK

PHASE 1 REMEDIAL INVESTIGATION



LEGEND

- PROPERTY LINE
- SEDIMENT SAMPLE LOCATION

SEDIMENT SAMPLE  
ORGANIC DATA



SCALE IN FEET

3356.011.220

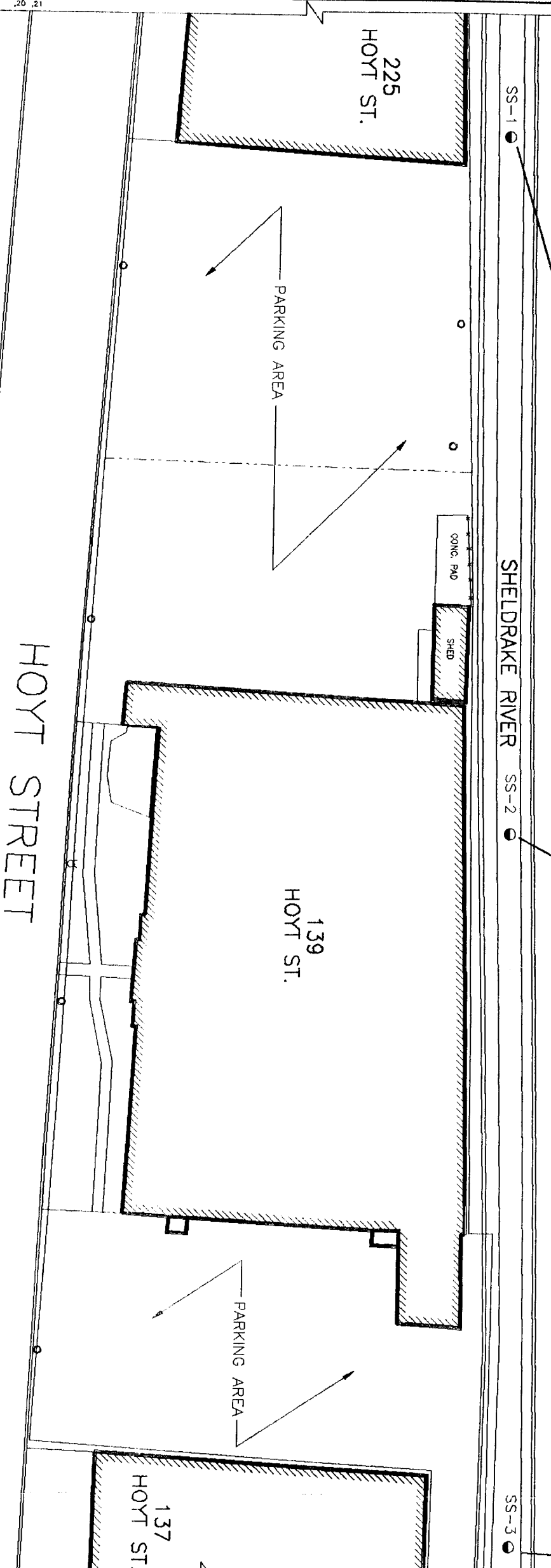


H:\PROJECTS\111111\1176 SCALE FACTOR: 1=1

| SS-1 | 2/21/92 | 4/16/92 |
|------|---------|---------|
| MC   | 0.002JB | <1.3    |
| TCE  | 0.001J  | <1.3    |
| PCE  | 0.004J  | <1.3    |
| TPH  | 2550    | 1740    |

| SS-2 | 2/21/92 | 4/16/92 |
|------|---------|---------|
| MC   | 0.002JB | <1.3    |
| TCE  | 0.001J  | <1.3    |
| TPH  | 3240    | 1030    |

| SS-3 | 2/21/92 | 4/16/92 |
|------|---------|---------|
| CF   | <0.036  | 0.007J  |
| TCE  | <0.036  | 0.019   |
| PCE  | <0.036  | 0.014   |
| TPH  | 23,000  | 747     |



NOTES:  
MC - METHYLENE CHLORIDE  
TCE - TRICHLOROETHENE  
PCE - TETRACHLOROETHENE  
TPH - TOTAL PETROLEUM HYDROCARBONS

STREAM SEDIMENT CONCENTRATIONS IN MG/KG (PPM)

J INDICATES AN ESTIMATED VALUE

B - VALUE IS LESS THAN CONTRACT REQUIRED DETECTION LIMIT  
BUT GREATER THAN OR EQUAL TO THE INSTRUMENT DETECTION  
LIMIT

11715

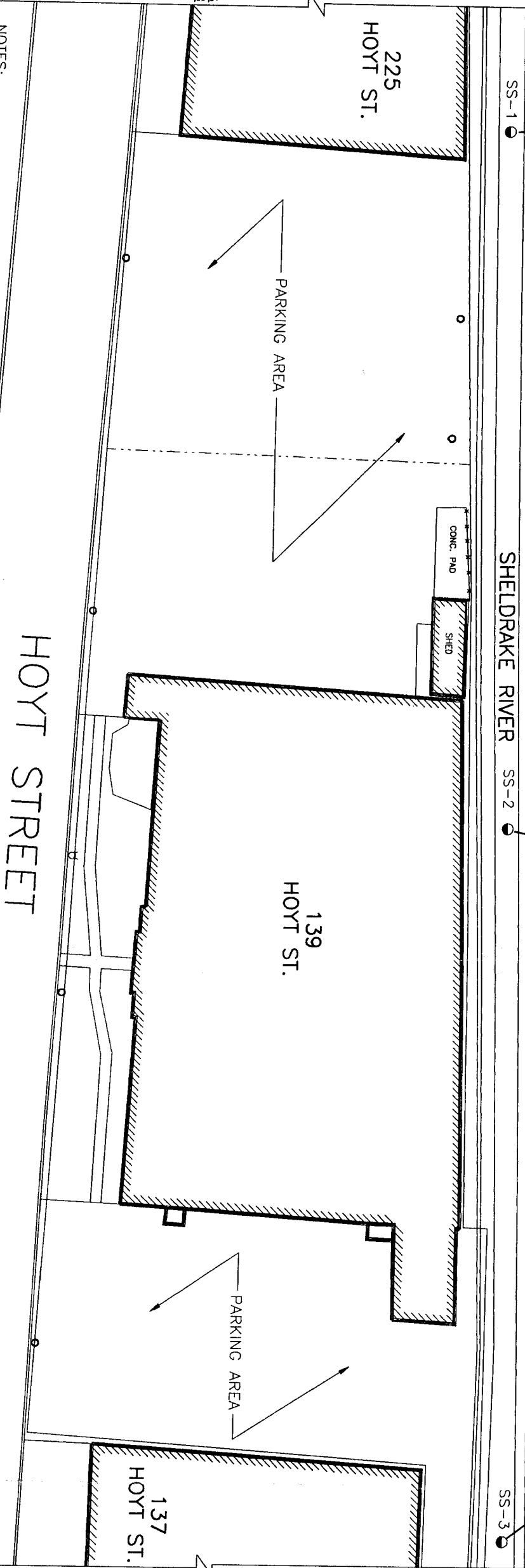
.18 .20 .21

26 JUN 1991

| SS-1 | 2/21/92 | 4/16/92 |
|------|---------|---------|
| Al   | 2,460   | 3,730   |
| As   | 3.2     | 3.6     |
| Be   | 1 B     | 1.1 B   |
| Cd   | 1.1 U   | 0.99 U  |
| Cr   | 9.6     | 17.5    |
| Cu   | 372     | 218     |
| Fe   | 8,860   | 12,500  |
| Pb   | 108     | 75.6    |
| Mg   | 2,660   | 4,240   |
| Hg   | 0.12 U  | 0.13 U  |
| V    | 9.2 B   | 12.5 B  |
| Zn   | 286     | 237     |

| SS-2 | 2/21/92 | DUP. 2/21/92 | 4/16/92 | DUP. 4/16/92 |
|------|---------|--------------|---------|--------------|
| Al   | 3,710   | 3,240        | 4,550   | 4,030        |
| As   | 4.5     | 3.5          | 3.5     | 3.7          |
| Be   | 9.3     | 34.5         | 1.5     | 2.5          |
| Cd   | 1 U     | 1.1 U        | 0.98 U  | 1.3          |
| Cr   | 16.5    | 37.4         | 16.5    | 10           |
| Cu   | 2,790   | 2,400        | 318     | 4,710        |
| Fe   | 13,200  | 12,200       | 17,700  | 13,300       |
| Pb   | 116     | 248          | 87      | 275          |
| Mg   | 2,870   | 4,940        | 3,630   | 3,180        |
| Hg   | 0.12 U  | 0.13 U       | 0.13 U  | 0.13         |
| V    | 13.3    | 10.5 B       | 12.5 B  | 13           |
| Zn   | 1,380   | 321          | 448     | 2,230        |

| SS-3 | 2/21/92 | 4/16/92 |
|------|---------|---------|
| Al   | 28,700  | 2,500   |
| As   | 36.4    | 2 B     |
| Be   | 3.6 U   | 0.34 U  |
| Cd   | 5.9 U   | 1 U     |
| Cr   | 71      | 10.1    |
| Cu   | 347     | 41      |
| Fe   | 73,400  | 12,800  |
| Pb   | 586     | 57      |
| Mg   | 15,600  | 2,330   |
| Hg   | 0.78    | 0.13 U  |
| V    | 76.7    | 9.1 B   |
| Zn   | 808     | 128     |

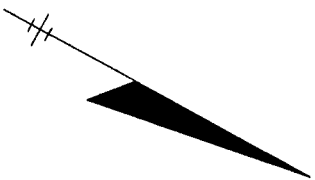


- NOTES:
- Al - Aluminum
  - As - Arsenic
  - Be - Beryllium
  - Cd - Cadmium
  - Cr - Chromium
  - Cu - Copper
  - Fe - Iron
  - Pb - Lead
  - Mg - Magnesium
  - Hg - Mercury
  - V - Vanadium
  - Zn - Zinc

B - VALUE IS LESS THAN CONTRACT REQUIRED DETECTION LIMIT BUT GREATER THAN OR EQUAL TO THE INSTRUMENT DETECTION LIMIT

U - ANALYZED, BUT NOT DETECTED.

FIGURE 12  
ITT SEALECTRO  
MAMARONECK, NEW YORK  
PHASE 1 REMEDIAL INVESTIGATION



LEGEND

- PROPERTY LINE
- SEDIMENT SAMPLE LOCATION

SEDIMENT SAMPLE  
INORGANIC DATA

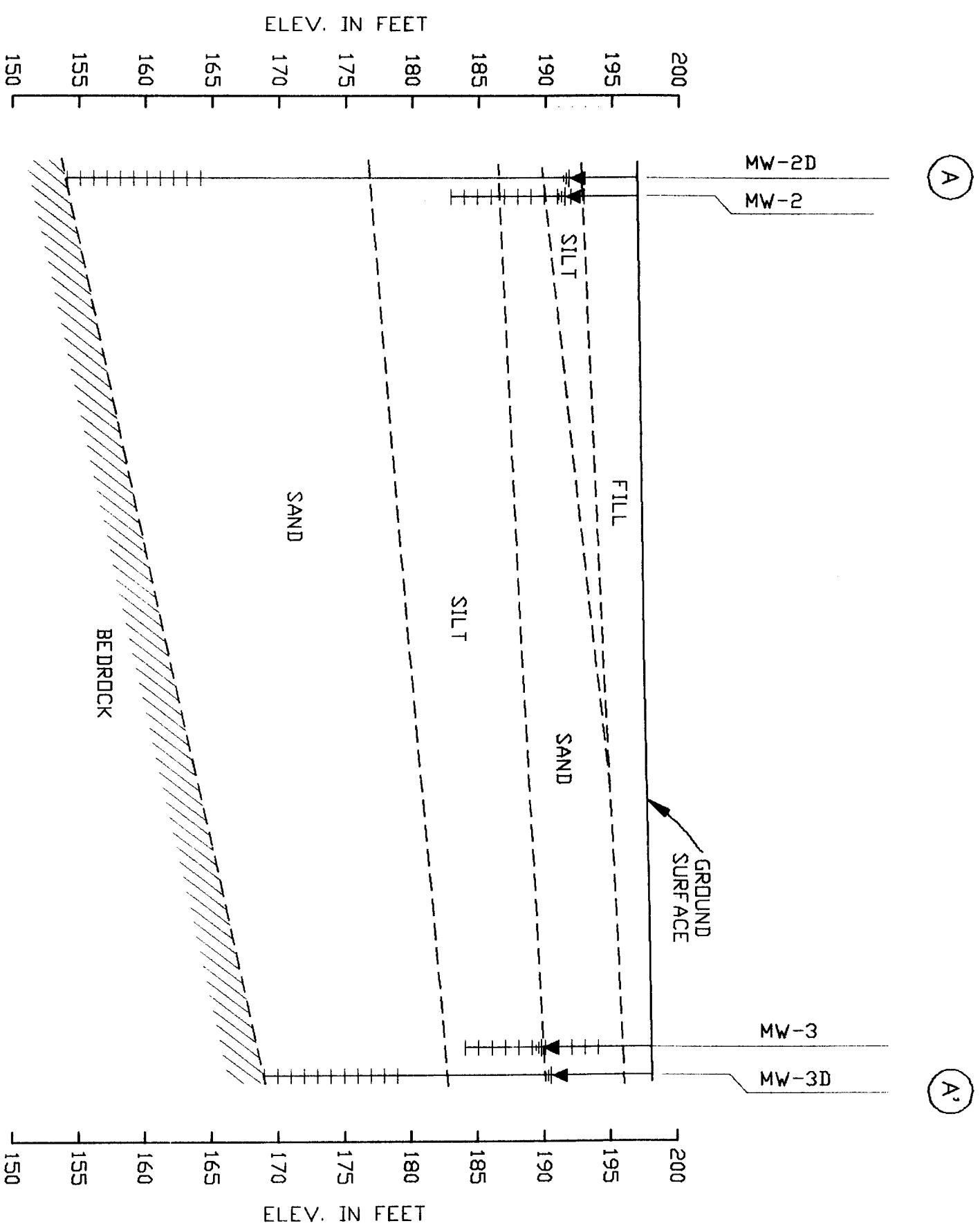


SCALE IN FEET

3356.011.220

**FIGURE 13**  
 ITT SEAELECTRO  
 MAMARONECK, NEW YORK

PHASE 1 REMEDIAL INVESTIGATION



- LEGEND**
- ⊥ SCREENED INTERVAL
  - ▼ GROUND WATER ELEVATIONS (6/8/92)
  - LITHOLOGIC BOUNDARY

NOTE:  
 VERTICAL EXAGGERATION = 4

HYDROGEOLOGIC  
 CROSS SECTION A-A'

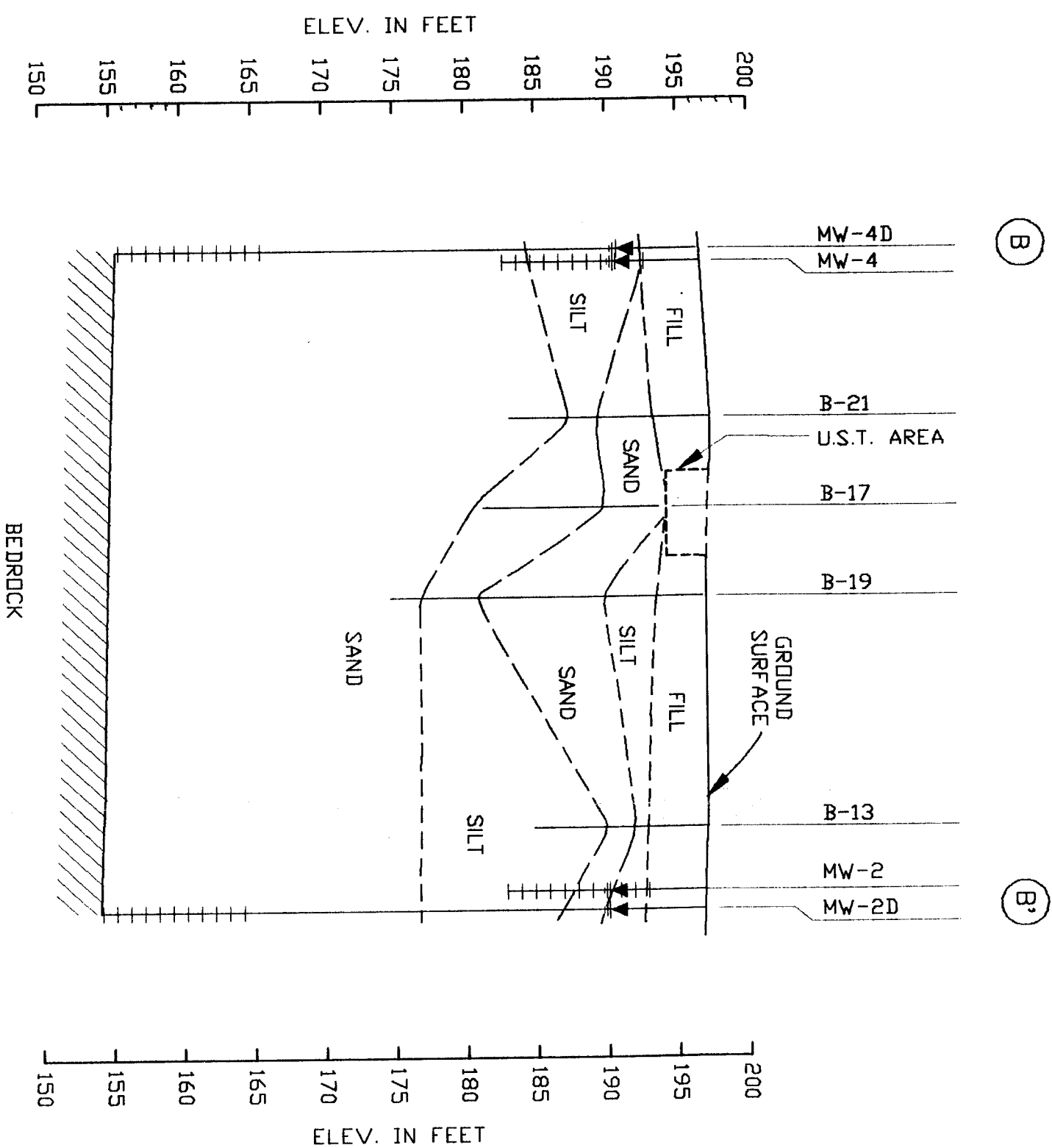


3356.011.220



**FIGURE 14**  
 ITT SEALECTRO  
 MAMARONECK, NEW YORK

PHASE 1 REMEDIAL INVESTIGATION

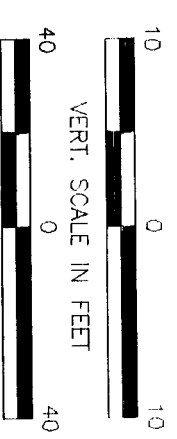


**LEGEND**

- ± SCREENED INTERVAL
- ▼ GROUND WATER ELEVATIONS (6/8/92)
- LITHOLOGIC BOUNDARY

NOTE:  
 VERTICAL EXAGGERATION = 4

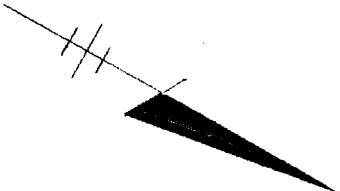
**HYDROGEOLOGIC  
 CROSS SECTION B-B'**



3356.011.220

FIGURE 15

ITT SEALECTRO  
MAMARONECK, NEW YORK



LEGEND

- MONITORING WELL (6/88, TRC)
- SOIL BORING (6/88, TRC)
- ▲ SOIL BORING (8/89, OBG)
- SOIL BORING (1/92, OBG)
- SOIL SAMPLE (8/89, OBG)
- INLET WELL (10/91, OBG)
- ◆ EXTRACTION WELL (10/91, OBG)
- SURFACE SOIL SAMPLE (2/86, OBG)

SURFACE SOILS  
ORGANIC DATA  
(DRUM STORAGE PAD)



APPROX. SCALE IN FEET



FIGURE 16

ITT SEALECTRO  
MAMARONECK, NEW YORK

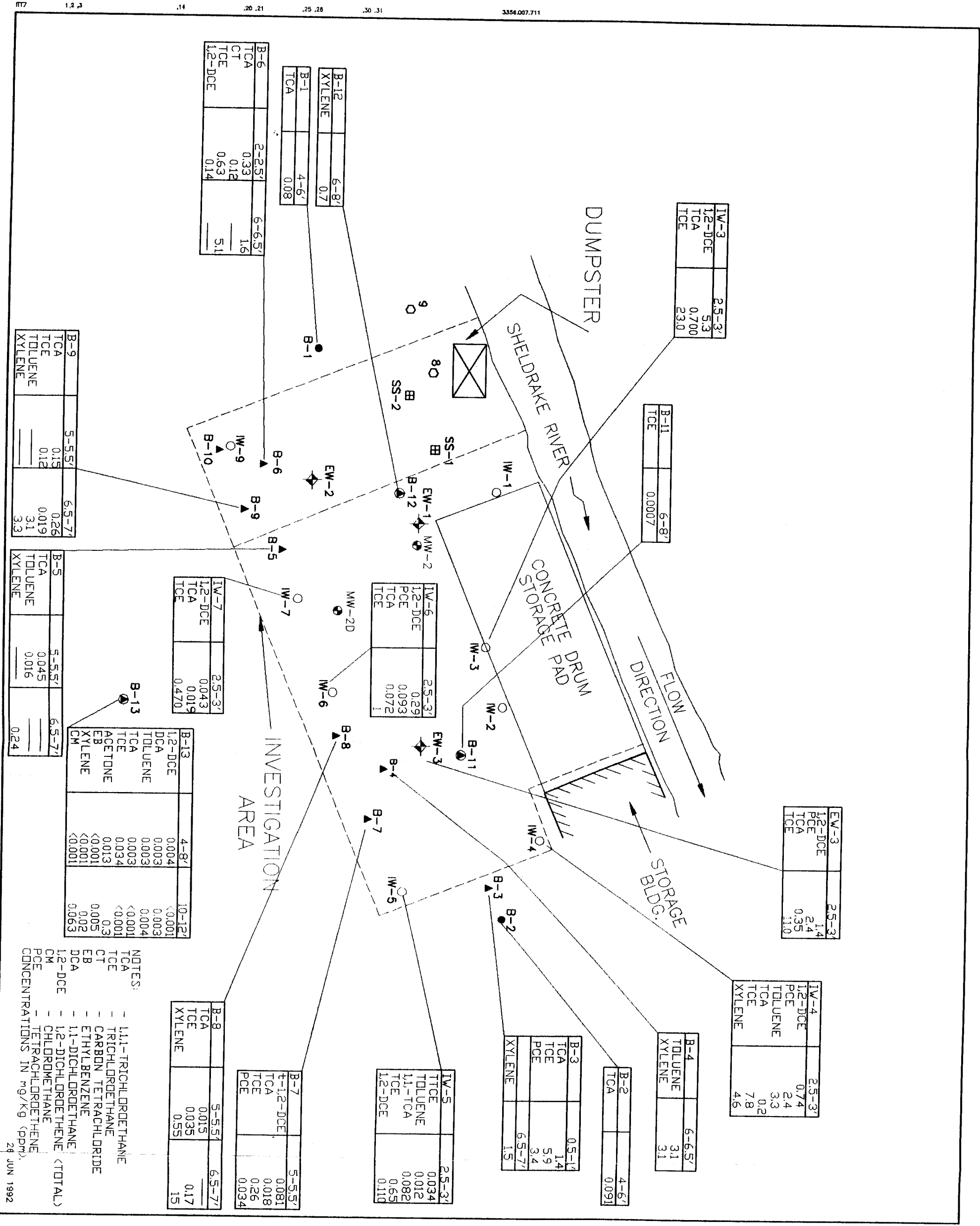
- LEGEND
- MONITORING WELL (6/88, TRC)
  - SOIL BORING (6/88, TRC)
  - ▲ SOIL BORING (8/89, OBG)
  - ▲ SOIL BORING (1/92, OBG)
  - SOIL SAMPLE (8/89, OBG)
  - INLET WELL (10/91, OBG)
  - EXTRACTION WELL (10/91, OBG)
  - SURFACE SOIL SAMPLE (2/86, OBG)



SUBSURFACE SOILS  
ORGANIC DATA  
(DRUM STORAGE PAD)



3358.007.711  
1.2 3  
14  
20 21  
25 26  
30 31



## Appendices



**O'BRIEN & GERE**  
ENGINEERS, INC.

**APPENDIX B**

**BORING LOGS AND MONITOR WELL CONSTRUCTION DIAGRAMS**

[illegible]

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |                 |                     |              | TEST BORING LOG                                                                                                                                                       |                                         | REPORT OF BORING MW-2D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                        |               |     |  |  |     |    |
|----------------------------------|-----|-----------------|-----------------|---------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------|-----|--|--|-----|----|
| CLIENT: ITT Sealectro            |     |                 |                 |                     |              | SAMPLER 3" Split Spoon                                                                                                                                                |                                         | PAGE 2 OF 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                        |               |     |  |  |     |    |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |                 |                     |              | HAMMER: 140 lbs.                                                                                                                                                      |                                         | LOCATION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                        |               |     |  |  |     |    |
| FILE NO.: 3356.011               |     |                 |                 |                     |              | FALL: 30"                                                                                                                                                             |                                         | START DATE: 1/21/92<br>END DATE: 1/22/92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                        |               |     |  |  |     |    |
| BORING COMPANY: Empire Soils     |     |                 |                 |                     |              | LEGEND:                                                                                                                                                               |                                         | <div style="display: flex; justify-content: space-between;"> <div> <div style="width: 10px; height: 10px; background-color: gray; border: 1px solid black;"></div> Grout           <div style="width: 10px; height: 10px; background-color: black; border: 1px solid black;"></div> Sand Pack           <div style="width: 10px; height: 10px; background-color: white; border: 1px solid black; border-style: dashed;"></div> Pellets         </div> <div> <div style="width: 10px; height: 10px; border: 1px solid black; border-style: dashed;"></div> Screen           <div style="width: 10px; height: 10px; border: 1px solid black;"></div> Riser         </div> </div> |                                                                                                                        |               |     |  |  |     |    |
| FOREMAN: Jim Nowells             |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| OBG GEOLOGIST: D.E. Broach       |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/ft    | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                                    | STRATUM<br>CHANGE<br>GENERAL<br>DESCRPT | EQUIPMENT<br>INSTALLED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                        | FIELD TESTING |     |  |  |     |    |
|                                  |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        | PID           | HNU |  |  |     |    |
| 20                               | 11  | 20-22           | 4-6-<br>14-18   | 24"/12"             | 20           | As above grading to moist, olive gray, fine to medium SAND, micaceous                                                                                                 | SAND                                    | <div style="background-color: gray; width: 100%; height: 100%;"></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <div style="background-color: white; width: 100%; height: 100%; border: 1px solid black; border-style: dashed;"></div> |               | 2.4 |  |  |     |    |
| 21                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| 22                               | 12  | 22-24           | 3-4-4-7         | 24"/16"             | 8            | Wet, loose, olive gray, medium to coarse SAND, little fine sand, trace fine gravel, micaceous                                                                         |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  | <1  |    |
| 23                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| 24                               | 13  | 24-26           | 9-9-<br>12-10   | 24"/20"             | 21           | Wet, medium dense, olive gray, medium to coarse SAND, little fine sand, trace fine to coarse gravel, micaceous                                                        |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  | 1.2 |    |
| 25                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| 26                               | 14  | 26-28           | 20-16-<br>16-17 | 24"/20"             | 32           | Wet, medium dense, olive gray, medium to coarse SAND, little fine sand, trace fine to coarse gravel, micaceous                                                        |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  | <1  |    |
| 27                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| 28                               | 15  | 28-30           | 18-19-<br>15-12 | 24"/14"             | 34           | 10" wet, medium dense, olive gray, medium to coarse SAND, little fine sand, trace fine to coarse gravel, micaceous, grading to coarse SAND and fine gravel, micaceous |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  | <1* |    |
| 29                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| 30                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| 31                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| 32                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| 33                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| 34                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| 35                               | 16  | 35-37           | 10-10-<br>9-11  | 24"/24"             | 19           | Wet, medium dense, olive gray, fine to medium SAND, micaceous                                                                                                         |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     | <1 |
| 36                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| 37                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| 38                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |
| 39                               |     |                 |                 |                     |              |                                                                                                                                                                       |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                        |               |     |  |  |     |    |

\* Running sand went to standard sampling.

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                               | REPORT OF BORING MW-2D                   |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|---------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------|--|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                        | PAGE 3 OF 3                              |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                              | LOCATION:                                |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                     | START DATE: 1/21/92<br>END DATE: 1/22/92 |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                       |                                          | Grout                                                                                                                                                                                                                                                                                                                                                                                                               |               | Screen |  |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                               |                                          | Sand Pack                                                                                                                                                                                                                                                                                                                                                                                                           |               | Riser  |  |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                               |                                          | Pellets                                                                                                                                                                                                                                                                                                                                                                                                             |               |        |  |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/ft | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                            | STRATUM<br>CHANGE<br>GENERAL<br>DESCRPT  | EQUIPMENT<br>INSTALLED                                                                                                                                                                                                                                                                                                                                                                                              | FIELD TESTING |        |  |
| 40                               | 17  | 40-42           | 5-3-3-5      | 24"/24"             | 6            | Wet, medium dense, olive gray, fine to medium SAND, micaceous | SAND                                     | <div style="border: 1px solid black; padding: 2px;"> <div style="background-color: gray; width: 10px; height: 10px; margin-bottom: 2px;"></div> <div style="background-color: gray; width: 10px; height: 10px; margin-bottom: 2px;"></div> <div style="background-color: gray; width: 10px; height: 10px; margin-bottom: 2px;"></div> <div style="background-color: gray; width: 10px; height: 10px;"></div> </div> | PID           | HNU    |  |
| 41                               |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
| 42                               | 18  | 42-42.5         | 100/0.1      | 24"/0"              | —            | BEDROCK                                                       |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
| 43                               |     |                 |              |                     |              | Bottom of boring 42.5'                                        |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
| 44                               |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
| 45                               |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
| 46                               |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
| 47                               |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
| 48                               |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
| 49                               |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
| 50                               |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
|                                  |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
|                                  |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
|                                  |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
|                                  |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
|                                  |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
|                                  |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
|                                  |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
|                                  |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |
|                                  |     |                 |              |                     |              |                                                               |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                     |               |        |  |

All colors from Munsell rock color chart.

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                                                                      |                                         | REPORT OF BORING B-22/MW-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |        |  |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------|--|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                                                               |                                         | PAGE 1 OF 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |        |  |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                                                                     |                                         | LOCATION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |        |  |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                                                            |                                         | START DATE: 2/4/92<br>END DATE: 2/4/92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |        |  |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                                                                                                                              |                                         | <div style="display: flex; justify-content: space-around;"> <div> <div style="width: 10px; height: 10px; background-color: gray; border: 1px solid black;"></div> Grout           <div style="width: 10px; height: 10px; background-color: black; border: 1px solid black;"></div> Sand Pack           <div style="width: 10px; height: 10px; border: 1px solid black; border-style: dashed;"></div> Pellets         </div> <div> <div style="width: 10px; height: 10px; border: 1px solid black; border-style: dashed;"></div> Screen           <div style="width: 10px; height: 10px; border: 1px solid black;"></div> Riser         </div> </div> |               |        |  |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/8" | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                                   | STRATUM<br>CHANGE<br>GENERAL<br>DESCRPT | EQUIPMENT<br>INSTALLED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | FIELD TESTING |        |  |
|                                  |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PID           | HNU    |  |
| 0                                | 1   | 0-2             | 1-2-3-2      | 24"/16"             | 5            | Dry, loose, moderate brown (5 YR 3/4), fine to medium SAND and silt, fine to coarse gravel (fill)                                                                    | FILL                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | <1     |  |
| 1                                |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| 2                                | 2   | 2-4             | 2-3-2-5      | 24"/16"             | 5            | 4" as above                                                                                                                                                          |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | <1     |  |
| 3                                |     |                 |              |                     |              | 8" moist, loose, moderate yellowish brown (10 YR 5/4), fine SAND and silt, some medium to coarse sand, micaceous                                                     |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| 4                                | 3   | 4-6             | 4-3-2-1      | 24"/12"             | 5            | Moist, loose, dark yellowish brown (10 YR 4/2) SILT and fine sand, little fine to coarse gravel, black staining, heavy odor, micaceous                               | SAND                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 120.5* |  |
| 5                                |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| 6                                | 4   | 6-8             | 1-7-1-3      | 24"/16"             | 8            | Wet, loose, dark gray (N3), fine to coarse SAND and silt, some fine to coarse gravel, slight odor, micaceous                                                         |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 73.5   |  |
| 7                                |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| 8                                | 5   | 8-10            | 7-7-3-6      | 24"/14"             | 10           | 7" wet, loose, dark gray, fine to coarse SAND and silt, some fine to coarse gravel, heavy odor, black staining, micaceous; 7" moist, olive gray SILT, some fine sand |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 61.5   |  |
| 9                                |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| 10                               | 6   | 10-12           | 2-3-5-6      | 24"/0"              | 8            | No recovery, spoon coated with fuel oil                                                                                                                              |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 60.1   |  |
| 11                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| 12                               | 7   | 12-14           | 7-6-5-2      | 24"/20"             | 11           | Wet, loose, olive gray SILT and fine sand, micaceous                                                                                                                 | SILT                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 61.5*  |  |
| 13                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| 14                               | 8   | 14-15           | 8-7          | 24"/6"              | —            | Wet, loose, olive gray SILT and fine sand, micaceous                                                                                                                 |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| 15                               |     |                 |              |                     |              | Bottom of boring 15.0'                                                                                                                                               |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| 16                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| 17                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| 18                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| 19                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |
| 20                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |        |  |

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                                                    |                                         | REPORT OF BORING MW-3D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |               |      |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------|------|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                                             |                                         | PAGE 1 OF 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |               |      |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                                                   |                                         | LOCATION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |               |      |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                                          |                                         | START DATE: 1/23/92<br>END DATE: 1/23/92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |               |      |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                                                                                                            |                                         | <div style="display: flex; justify-content: space-around;"> <div> <div style="width: 10px; height: 10px; background-color: gray; border: 1px solid black;"></div> Grout         </div> <div> <div style="width: 10px; height: 10px; background-color: black; border: 1px solid black;"></div> Sand Pack         </div> <div> <div style="width: 10px; height: 10px; border: 1px solid black; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></div> Screen         </div> </div> |  |               |      |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                                                                                                                    |                                         | Riser                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |               |      |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                                                                                    |                                         | Pellets                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |               |      |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/ft | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                 | STRATUM<br>CHANGE<br>GENERAL<br>DESCRPT | EQUIPMENT<br>INSTALLED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | FIELD TESTING |      |
| 0                                | 1   | 0-2             | 4-4-5        | 18"/12"             | 8            |                                                                                                                                                    |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               |      |
| 1                                |     |                 |              |                     |              | Dry, loose, black, fine to coarse SAND, some silt, little fine to coarse gravel, micaceous                                                         | FILL                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               | <1   |
| 2                                | 2   | 2-4             | 7-5-         | 24"/14"             | 19           |                                                                                                                                                    |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               | <1   |
| 3                                |     |                 | 14-24        |                     |              | Dry, medium dense, dark yellowish brown (10 YR 4/2), fine to medium SAND, some silt, little clay and fine gravel, micaceous                        |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               |      |
| 4                                | 3   | 4-6             | 4-9-         | 24"/12"             | 34           |                                                                                                                                                    | SAND                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               | <1   |
| 5                                |     |                 | 25-24        |                     |              | Dry, dense, dark yellowish brown, fine to coarse SAND, some fine to coarse gravel, little silt, micaceous                                          |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               |      |
| 6                                | 4   | 6-8             | 10-15-       | 24"/16"             | 30           |                                                                                                                                                    |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               | <1   |
| 7                                |     |                 | 15-15        |                     |              | Dry, dense, dark yellowish brown, fine to coarse SAND, some fine to coarse gravel, little silt, micaceous                                          |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               |      |
| 8                                | 5   | 8-10            | 6-5-3-4      | 24"/16"             | 8            |                                                                                                                                                    |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               | <1   |
| 9                                |     |                 |              |                     |              | Wet, loose, olive gray (5 Y 4/1) SILT, mica-<br>ceous, low plasticity, low dilatency                                                               |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               |      |
| 10                               | 6   | 10-12           | 5-2-4-3      | 24"/0"              | 6            |                                                                                                                                                    |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               | <1   |
| 11                               |     |                 |              |                     |              | No recovery                                                                                                                                        | SILT                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               |      |
| 12                               | 7   | 12-14           | 5-8-7-7      | 24"/14"             | 15           |                                                                                                                                                    |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               | 17.4 |
| 13                               |     |                 |              |                     |              | Wet, medium dense, olive gray SILT, some clay,<br>fine to coarse sand lenses, micaceous                                                            |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               |      |
| 14                               | 8   | 14-16           | WOH-1-       | 24"/16"             | 5            |                                                                                                                                                    |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               | <1   |
| 15                               |     |                 | 4-4          |                     |              | Wet, loose, olive gray SILT grading to wet,<br>loose, moderate yellowish brown, fine to<br>coarse SAND, little fine to coarse gravel,<br>micaceous |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               |      |
| 16                               | 9   | 16-18           | 5-6-6-6      | 24"/18"             | 12           |                                                                                                                                                    |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               | <1   |
| 17                               |     |                 |              |                     |              | Wet, medium dense, olive gray, fine to coarse<br>SAND, little fine to coarse gravel, micaceous                                                     | SAND                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               |      |
| 18                               | 10  | 18-20           | 6-6-5-7      | 24"/18"             | 11           |                                                                                                                                                    |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               | <1   |
| 19                               |     |                 |              |                     |              | Wet, medium dense, olive gray, fine to coarse<br>SAND, little fine to coarse gravel, micaceous                                                     |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |               |      |

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |                 |                     |              | TEST BORING LOG                                                                         |                                          | REPORT OF BORING MW-3D                                                                                   |                      |     |
|----------------------------------|-----|-----------------|-----------------|---------------------|--------------|-----------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------|-----|
| CLIENT: ITT Sealectro            |     |                 |                 |                     |              | SAMPLER 3" Split Spoon                                                                  |                                          | PAGE 2 OF 2                                                                                              |                      |     |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |                 |                     |              | HAMMER: 140 lbs.                                                                        |                                          | LOCATION:                                                                                                |                      |     |
| FILE NO.: 3356.011               |     |                 |                 |                     |              | FALL: 30"                                                                               |                                          | START DATE: 1/23/92<br>END DATE: 1/23/92                                                                 |                      |     |
| BORING COMPANY: Empire Soils     |     |                 |                 |                     |              | LEGEND:                                                                                 |                                          | <input type="checkbox"/> Grout<br><input type="checkbox"/> Sand Pack<br><input type="checkbox"/> Pellets |                      |     |
| FOREMAN: Jim Nowells             |     |                 |                 |                     |              |                                                                                         |                                          | <input type="checkbox"/> Screen<br><input type="checkbox"/> Riser                                        |                      |     |
| OBG GEOLOGIST: D.E. Broach       |     |                 |                 |                     |              |                                                                                         |                                          |                                                                                                          |                      |     |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/ft    | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                      | STRATUM<br>CHANGE<br>GENERAL<br>DESCRIPT | EQUIPMENT<br>INSTALLED                                                                                   | FIELD TESTING<br>PID | HNU |
| 20                               | 11  | 20-22           | 17-27-<br>18-19 | 24"/18"             | 45           | Wet, dense, olive gray, fine to coarse SAND,<br>little fine to coarse gravel, micaceous | SAND                                     | ---                                                                                                      |                      | <1  |
| 21                               |     |                 |                 |                     |              |                                                                                         |                                          |                                                                                                          |                      |     |
| 22                               |     |                 |                 |                     |              |                                                                                         |                                          |                                                                                                          |                      |     |
| 23                               |     |                 |                 |                     |              |                                                                                         |                                          |                                                                                                          |                      |     |
| 24                               |     |                 |                 |                     |              |                                                                                         |                                          |                                                                                                          |                      |     |
| 25                               | 12  | 25-27           | 70-20-<br>28-28 | 24"/18"             | 48           | Dry, dense, olive gray, fine to coarse SAND,<br>little fine to coarse gravel, micaceous |                                          |                                                                                                          |                      |     |
| 26                               |     |                 |                 |                     |              |                                                                                         |                                          |                                                                                                          |                      |     |
| 27                               |     |                 |                 |                     |              |                                                                                         |                                          |                                                                                                          |                      |     |
| 28                               |     |                 |                 |                     |              |                                                                                         |                                          |                                                                                                          |                      |     |
| 29                               | 13  | 29-29.1         | 100/0.1         | 24"/0"              | ---          | BEDROCK<br>No recovery                                                                  |                                          |                                                                                                          |                      |     |
| 30                               |     |                 |                 |                     |              | Bottom of boring 29.0'                                                                  |                                          |                                                                                                          |                      |     |
| 31                               |     |                 |                 |                     |              |                                                                                         |                                          |                                                                                                          |                      |     |
| 32                               |     |                 |                 |                     |              |                                                                                         |                                          |                                                                                                          |                      |     |
| 33                               |     |                 |                 |                     |              |                                                                                         |                                          |                                                                                                          |                      |     |
| 34                               |     |                 |                 |                     |              |                                                                                         |                                          |                                                                                                          |                      |     |
| 35                               |     |                 |                 |                     |              |                                                                                         |                                          |                                                                                                          |                      |     |

All colors from Munsell rock color chart.

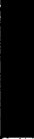
| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                    |                                          | REPORT OF BORING MW-4                                                                                                                                                                                         |               |     |  |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|----------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----|--|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                             |                                          | PAGE 1 OF 1                                                                                                                                                                                                   |               |     |  |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                   |                                          | LOCATION:                                                                                                                                                                                                     |               |     |  |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                          |                                          | START DATE: 2/12/92<br>END DATE: 2/12/92                                                                                                                                                                      |               |     |  |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                            |                                          | <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Grout<br/>  Sand Pack<br/>  Pellets </div> <div style="text-align: center;">  Screen<br/>  Riser </div> </div> |               |     |  |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/ft | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                 | STRATUM<br>CHANGE<br>GENERAL<br>DESCRIPT | EQUIPMENT<br>INSTALLED                                                                                                                                                                                        | FIELD TESTING |     |  |
|                                  |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               | PID           | HNU |  |
| 0                                |     |                 |              |                     |              | For soil description see test boring log for MW-4D |                                          |                                                                                                                                                                                                               |               |     |  |
| 1                                |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 2                                |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 3                                |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 4                                |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 5                                |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 6                                |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 7                                |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 8                                |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 9                                |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 10                               |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 11                               |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 12                               |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 13                               |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 14                               |     |                 |              |                     |              | Bottom of boring 14.0'                             |                                          |                                                                                                                                                                                                               |               |     |  |
| 15                               |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 16                               |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 17                               |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 18                               |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 19                               |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |
| 20                               |     |                 |              |                     |              |                                                    |                                          |                                                                                                                                                                                                               |               |     |  |

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                                                                          |                                         | REPORT OF BORING MW-4D                                                                                                                                                  |               |     |  |  |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----|--|--|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                                                                   |                                         | PAGE 1 OF 2                                                                                                                                                             |               |     |  |  |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                                                                         |                                         | LOCATION:                                                                                                                                                               |               |     |  |  |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                                                                |                                         | START DATE: 2/11/92<br>END DATE: 2/11/92                                                                                                                                |               |     |  |  |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                                                                                                                                  |                                         | <input type="checkbox"/> Grout <input type="checkbox"/> Screen<br><input type="checkbox"/> Sand Pack <input type="checkbox"/> Riser<br><input type="checkbox"/> Pellets |               |     |  |  |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                                                                                                                                          |                                         |                                                                                                                                                                         |               |     |  |  |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                                                                                                          |                                         |                                                                                                                                                                         |               |     |  |  |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/ft | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                                       | STRATUM<br>CHANGE<br>GENERAL<br>DESCRPT | EQUIPMENT<br>INSTALLED                                                                                                                                                  | FIELD TESTING |     |  |  |
|                                  |     |                 |              |                     |              |                                                                                                                                                                          |                                         |                                                                                                                                                                         | PID           | HNU |  |  |
| 0                                | 1   | 0-2             | 70-50-25     | 18"/18"             | 120          | ASPHALT                                                                                                                                                                  | FILL                                    |                                                                                                                                                                         |               | <1  |  |  |
|                                  |     |                 |              |                     |              | Dry, very dense, BLACK (Nl), fine to coarse SAND and fine to coarse gravel (fill)                                                                                        |                                         |                                                                                                                                                                         |               |     |  |  |
| 1                                |     |                 |              |                     |              |                                                                                                                                                                          |                                         |                                                                                                                                                                         |               |     |  |  |
| 2                                | 2   | 2-4             | 20-15-15-20  | 24"/18"             | 30           | Dry, dense, dusky brown (5 YR 2/2), fine to coarse SAND and fine to coarse gravel (fill)                                                                                 |                                         |                                                                                                                                                                         |               | <1  |  |  |
| 3                                |     |                 |              |                     |              |                                                                                                                                                                          |                                         |                                                                                                                                                                         |               |     |  |  |
| 4                                | 3   | 4-6             | 1-1-1-1      | 24"/10"             | 2            | Moist, very loose, dusky brown SILT, some fine sand, plant matter, micaceous                                                                                             |                                         |                                                                                                                                                                         |               |     |  |  |
| 5                                |     |                 |              |                     |              |                                                                                                                                                                          | SILT                                    |                                                                                                                                                                         |               | <1  |  |  |
| 6                                | 4   | 6-8             | 3-6-9-9      | 24"/16"             | 15           | 6" as above; 10" moist, medium dense, olive gray (5 Y 4/1) SILT, some fine sand in laminations, micaceous                                                                |                                         |                                                                                                                                                                         |               |     |  |  |
| 7                                |     |                 |              |                     |              |                                                                                                                                                                          |                                         |                                                                                                                                                                         |               |     |  |  |
| 8                                | 5   | 8-10            | 4-5-5-10     | 24"/18"             | 10           | Moist, medium dense, olive gray SILT, some fine sand in laminations, micaceous                                                                                           |                                         |                                                                                                                                                                         |               | <1  |  |  |
| 9                                |     |                 |              |                     |              |                                                                                                                                                                          |                                         |                                                                                                                                                                         |               |     |  |  |
| 10                               | 6   | 10-12           | 5-3-7-9      | 24"/18"             | 10           | 16" wet, loose, olive gray SILT, some fine sand in laminations; 2" wet, olive gray, fine to coarse SAND, some silt, micaceous                                            |                                         |                                                                                                                                                                         |               |     |  |  |
| 11                               |     |                 |              |                     |              |                                                                                                                                                                          | SAND                                    |                                                                                                                                                                         |               | <1  |  |  |
| 12                               | 7   | 12-14           | 3-3-3-5      | 24"/12"             | 6            | Wet, loose, olive gray, fine to coarse SAND, some silt, micaceous                                                                                                        |                                         |                                                                                                                                                                         |               |     |  |  |
| 13                               |     |                 |              |                     |              |                                                                                                                                                                          |                                         |                                                                                                                                                                         |               |     |  |  |
| 14                               | 8   | 14-16           | 12-7-5-5     | 24"/4"              | 12           | Wet, medium dense, olive gray, fine to coarse SAND, some silt, micaceous                                                                                                 |                                         |                                                                                                                                                                         |               | <1  |  |  |
| 15                               |     |                 |              |                     |              |                                                                                                                                                                          |                                         |                                                                                                                                                                         |               |     |  |  |
| 16                               | 9   | 16-18           | 7-7-21-40    | 24"/24"             | 28           | 12" as above; 12" wet, medium dense, moderate yellowish brown (10 YR 5/4), fine to coarse SAND, little fine to coarse gravel, light brown (5 YR 5/6) staining, micaceous |                                         |                                                                                                                                                                         |               |     |  |  |
| 17                               |     |                 |              |                     |              |                                                                                                                                                                          |                                         |                                                                                                                                                                         |               | <1  |  |  |
| 18                               | 10  | 18-20           | —            | —                   | —            | No recovery, running sand                                                                                                                                                |                                         |                                                                                                                                                                         |               |     |  |  |
| 19                               |     |                 |              |                     |              |                                                                                                                                                                          |                                         |                                                                                                                                                                         |               |     |  |  |
| 20                               | 11  | 20-22           | 3-3-5-8      | 24"/24"             | 8            | 22" as above                                                                                                                                                             |                                         |                                                                                                                                                                         |               | <1  |  |  |
| 21                               |     |                 |              |                     |              | 2" wet, loose, moderate yellow brown, coarse SAND, some fine gravel, micaceous                                                                                           |                                         |                                                                                                                                                                         |               |     |  |  |

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |                 |                     |              | TEST BORING LOG                                                                                                                                      | REPORT OF BORING MW-4D                   |                        |                          |    |
|----------------------------------|-----|-----------------|-----------------|---------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------|--------------------------|----|
| CLIENT: ITT Sealectro            |     |                 |                 |                     |              | SAMPLER 3" Split Spoon                                                                                                                               | PAGE 2 OF 2                              |                        |                          |    |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |                 |                     |              | HAMMER: 140 lbs.                                                                                                                                     | LOCATION:                                |                        |                          |    |
| FILE NO.: 3356.011               |     |                 |                 |                     |              | FALL: 30"                                                                                                                                            | START DATE: 2/11/92<br>END DATE: 2/11/92 |                        |                          |    |
| BORING COMPANY: Empire Soils     |     |                 |                 |                     |              | LEGEND:                                                                                                                                              | Grout<br>Sand Pack<br>Pellets            | Screen<br>Riser        |                          |    |
| FOREMAN: Jim Nowells             |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| OBG GEOLOGIST: D.E. Broach       |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/6"    | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                   | STRATUM<br>CHANGE<br>GENERAL<br>DESCRPT  | EQUIPMENT<br>INSTALLED | FIELD TESTING<br>PID HNU |    |
| 22                               | 12  | 22-24           | 2-3-4-5         | 24"/24"             | 7            | Wet, loose, moderate yellow brown, fine to coarse SAND, some fine to coarse gravel in lenses, micaceous                                              |                                          |                        |                          | <1 |
| 23                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 24                               | 13  | 24-39           | -----           | -----               | ---          | No samples from 24-39' due to running sands                                                                                                          |                                          |                        |                          |    |
| 25                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 26                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 27                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 28                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 29                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 30                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 31                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 32                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 33                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 34                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 35                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 36                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 37                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 38                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 39                               | 14  | 39-41           | 35-44-<br>100/0 | 24"/16"             | ---          | Wet, very dense, moderate yellow brown, medium to coarse SAND and fine sand, some fine to coarse gravel, angular rock fragments in gravel, micaceous |                                          |                        |                          | <1 |
| 40                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |
| 41                               |     |                 |                 |                     |              | Bottom of boring 41.0'                                                                                                                               |                                          |                        |                          |    |
| 42                               |     |                 |                 |                     |              |                                                                                                                                                      |                                          |                        |                          |    |

All colors from Munsell rock color chart.

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                            |                                          | REPORT OF BORING MW-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |     |  |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----|--|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                     |                                          | PAGE 1 OF 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |     |  |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                           |                                          | LOCATION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |     |  |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                  |                                          | START DATE: 1/28/92<br>END DATE: 1/28/92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |     |  |
| BORING COMPANY: Empire Soile     |     |                 |              |                     |              | LEGEND:                                                    |                                          | <div style="display: flex; justify-content: space-between;"> <div> <div style="width: 10px; height: 10px; background-color: gray; border: 1px solid black;"></div> Grout           <div style="width: 10px; height: 10px; background-color: black; border: 1px solid black;"></div> Sand Pack           <div style="width: 10px; height: 10px; background-color: white; border: 1px solid black;"></div> Pellets         </div> <div> <div style="width: 10px; height: 10px; border: 1px solid black; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></div> Screen           <div style="width: 10px; height: 10px; border: 1px solid black; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px);"></div> Riser         </div> </div> |               |     |  |
| FOREMAN: Jim Nowelle             |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/ft | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                         | STRATUM<br>CHANGE<br>GENERAL<br>DESCRIPT | EQUIPMENT<br>INSTALLED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FIELD TESTING |     |  |
|                                  |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PID           | HNU |  |
| 0                                |     |                 |              |                     |              | For soil description see test boring log for B-17 and B-19 |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 1                                |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 2                                |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 3                                |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 4                                |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 5                                |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 6                                |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 7                                |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 8                                |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 9                                |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 10                               |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 11                               |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 12                               |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 13                               |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 14                               |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 15                               |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 16                               |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 17                               |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 18                               |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 19                               |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| 20                               |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |
| Bottom of boring 20.0'           |     |                 |              |                     |              |                                                            |                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |     |  |

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                                                                      |                                         | REPORT OF BORING B-22/MW-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |       |  |        |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------|--|--------|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                                                               |                                         | PAGE 1 OF 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |       |  |        |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                                                                     |                                         | LOCATION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |       |  |        |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                                                            |                                         | START DATE: 2/4/92<br>END DATE: 2/4/92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |       |  |        |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                                                                                                                              |                                         | <div style="display: flex; justify-content: space-around;"> <div> <div style="width: 10px; height: 10px; background-color: gray; border: 1px solid black;"></div> Grout           <div style="width: 10px; height: 10px; background-color: black; border: 1px solid black;"></div> Sand Pack           <div style="width: 10px; height: 10px; background-color: white; border: 1px solid black;"></div> Pellets         </div> <div> <div style="width: 10px; height: 10px; border: 1px solid black; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></div> Screen           <div style="width: 10px; height: 10px; border: 1px solid black; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px);"></div> Riser         </div> </div> |               |       |  |        |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/ft | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                                   | STRATUM<br>CHANGE<br>GENERAL<br>DESCRPT | EQUIPMENT<br>INSTALLED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FIELD TESTING |       |  |        |
|                                  |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PID           | HNU   |  |        |
| 0                                | 1   | 0-2             | 1-2-3-2      | 24"/16"             | 5            | Dry, loose, moderate brown (5 YR 3/4), fine to medium SAND and silt, fine to coarse gravel (fill)                                                                    | FILL                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               | <1    |  |        |
| 1                                |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| 2                                | 2   | 2-4             | 2-3-2-5      | 24"/16"             | 5            | 4" as above<br>8" moist, loose, moderate yellowish brown (10 YR 5/4), fine SAND and silt, some medium to coarse sand, micaceous                                      | SAND                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               | <1    |  |        |
| 3                                |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| 4                                | 3   | 4-6             | 4-3-2-1      | 24"/12"             | 5            | Moist, loose, dark yellowish brown (10 YR 4/2) SILT and fine sand, little fine to coarse gravel, black staining, heavy odor, micaceous                               |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  | 120.5* |
| 5                                |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| 6                                | 4   | 6-8             | 1-7-1-3      | 24"/16"             | 8            | Wet, loose, dark gray (N3), fine to coarse SAND and silt, some fine to coarse gravel, slight odor, micaceous                                                         |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  | 73.5   |
| 7                                |     |                 |              |                     |              |                                                                                                                                                                      | SILT                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | 61.5  |  |        |
| 8                                | 5   | 8-10            | 7-7-3-6      | 24"/14"             | 10           | 7" wet, loose, dark gray, fine to coarse SAND and silt, some fine to coarse gravel, heavy odor, black staining, micaceous; 7" moist, olive gray SILT, some fine sand |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| 9                                |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| 10                               | 6   | 10-12           | 2-3-5-6      | 24"/10"             | 8            | No recovery, spoon coated with fuel oil                                                                                                                              |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  | 60.1   |
| 11                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| 12                               | 7   | 12-14           | 7-6-5-2      | 24"/20"             | 11           | Wet, loose, olive gray SILT and fine sand, micaceous                                                                                                                 |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               | 61.5* |  |        |
| 13                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| 14                               | 8   | 14-15           | 8-7          | 24"/6"              | —            | Wet, loose, olive gray SILT and fine sand, micaceous                                                                                                                 |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| 15                               |     |                 |              |                     |              | Bottom of boring 15.0'                                                                                                                                               |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| 16                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| 17                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| 18                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| 19                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |
| 20                               |     |                 |              |                     |              |                                                                                                                                                                      |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |       |  |        |

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                                                                                                                                                               |                                         | REPORT OF BORING RW-1                                                                                    |               |  |  |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------|---------------|--|--|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                                                                                                                                                        |                                         | PAGE 1 OF 1                                                                                              |               |  |  |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                                                                                                                                                              |                                         | LOCATION:                                                                                                |               |  |  |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                                                                                                                                                     |                                         | START DATE: 2/10/92<br>END DATE: 2/10/92                                                                 |               |  |  |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                                                                                                                                                                                                                       |                                         | <div> <div>Grout</div> <div>Sand Pack</div> <div>Pellets</div> <div>Screen</div> <div>Riser</div> </div> |               |  |  |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/6" | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                                                                                                                            | STRATUM<br>CHANGE<br>GENERAL<br>DESCRPT | EQUIPMENT<br>INSTALLED                                                                                   | FIELD TESTING |  |  |
| 0                                | 1   | 0-2             | 1-1-3-4      | 24"/0"              | 4            | No recovery                                                                                                                                                                                                                                                   |                                         |                                                                                                          |               |  |  |
| 1                                |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| 2                                | 2   | 2-4             | 1-1-1-2      | 24"/0"              | 2            | No recovery                                                                                                                                                                                                                                                   |                                         |                                                                                                          |               |  |  |
| 3                                |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| 4                                | 3   | 4-6             | 1-1-1-2      | 24"/12"             | 2            | 6" moist, very loose, dusky brown (5 YR 2/2), fine to coarse SAND and silt, some fine to coarse gravel, micaceous; 6" moist, dusky brown and medium gray (N5) SILT and fine to coarse sand, some fine to coarse gravel, black staining, heavy odor, micaceous |                                         |                                                                                                          |               |  |  |
| 5                                |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| 6                                | 4   | 6-8             | 1-2-1-2      | 24"/18"             | 3            | 10" as above; 8" wet, dusky brown SILT and fine sand, plant matter, micaceous                                                                                                                                                                                 |                                         |                                                                                                          |               |  |  |
| 7                                |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| 8                                | 5   | 8-10            | 1-1-1-2      | 24"/12"             | 2            | 4" as above; 8" wet, very loose, olive gray (5 Y 4/1), fine to coarse SAND, some silt, little fine to coarse gravel, micaceous, heavy odor, black staining                                                                                                    |                                         |                                                                                                          |               |  |  |
| 9                                |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| 10                               | 6   | 10-12           | 2-3-4-5      | 24"/16"             | 7            | Wet, loose, olive gray, fine to coarse SAND, some silt, little fine to coarse gravel, heavy odor, black staining, micaceous                                                                                                                                   |                                         |                                                                                                          |               |  |  |
| 11                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| 12                               | 7   | 12-14           | 4-4-5-6      | 24"/18"             | 9            | Wet, loose, olive gray, fine to coarse SAND, some silt, little fine to coarse gravel, heavy odor, black staining, micaceous                                                                                                                                   |                                         |                                                                                                          |               |  |  |
| 13                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| 14                               |     |                 |              |                     |              | Bottom of boring 14.0'                                                                                                                                                                                                                                        |                                         |                                                                                                          |               |  |  |
| 15                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| 16                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| 17                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| 18                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| 19                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |
| 20                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                               |                                         |                                                                                                          |               |  |  |

All colors from Munsell rock color chart.

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                                                                                                                      |                                         | REPORT OF BORING B-11                                                                                    |               |      |  |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------|---------------|------|--|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                                                                                                               |                                         | PAGE 1 OF 1                                                                                              |               |      |  |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                                                                                                                     |                                         | LOCATION:                                                                                                |               |      |  |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                                                                                                            |                                         | START DATE: 1/28/92<br>END DATE: 1/28/92                                                                 |               |      |  |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                                                                                                                                                                              |                                         | <div> <div>Grout</div> <div>Sand Pack</div> <div>Pellets</div> <div>Screen</div> <div>Riser</div> </div> |               |      |  |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/8" | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                                                                                   | STRATUM<br>CHANGE<br>GENERAL<br>DESCRPT | EQUIPMENT<br>INSTALLED                                                                                   | FIELD TESTING |      |  |
|                                  |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          | PID           | HNU  |  |
| 0                                | 1   | 0-2             | 13-12-10     | 18"/18"             | 25           | ASPHALT                                                                                                                                                                                                              |                                         |                                                                                                          |               |      |  |
| 1                                |     |                 |              |                     |              | Dry, moderate yellow brown (10 YR 5/4), fine to coarse SAND, some fine to coarse gravel                                                                                                                              |                                         |                                                                                                          |               | <1   |  |
| 2                                | 2   | 2-4             | 8-8-10-5     | 24"/6"              | 18           | 6" dry, black (N1), fine to coarse gravel (fill)<br>Dry, medium dense, black, fine to coarse SAND, some fine to coarse gravel (fill)                                                                                 | FILL                                    |                                                                                                          |               | <1   |  |
| 3                                |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| 4                                | 3   | 4-6             | 4-3-3-3      | 24"/12"             | 6            | 4" moist, loose, moderate yellow brown (10 YR 5/4), fine to coarse SAND, some fine to coarse gravel; 6" moist, black, fine to coarse SAND, some fine to coarse gravel, micaceous; 2" wet, olive gray SILT, micaceous |                                         |                                                                                                          |               | <1   |  |
| 5                                |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| 6                                | 4   | 6-8             | 6-4-4-4      | 24"/12"             | 8            | Wet, loose, olive gray (5 YR 4/1), fine to medium SAND, some coarse sand, little silt, trace gravel, strong odor, micaceous                                                                                          |                                         |                                                                                                          |               | 19.5 |  |
| 7                                |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| 8                                | 5   | 8-10            | 3-4-5-7      | 24"/16"             | 9            | 12" wet, loose, olive gray, fine to medium SAND, some coarse sand, micaceous; 4" moist, medium gray (10S) SILT, little fine sand, micaceous                                                                          |                                         |                                                                                                          |               | 6.1  |  |
| 9                                |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| 10                               | 6   | 10-12           | 3-4-7-9      | 24"/16"             | 11           | Moist, medium gray SILT, little fine sand, micaceous                                                                                                                                                                 |                                         |                                                                                                          |               | <1   |  |
| 11                               |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| 12                               |     |                 |              |                     |              | Bottom of boring 12.0'                                                                                                                                                                                               |                                         |                                                                                                          |               |      |  |
| 13                               |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| 14                               |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| 15                               |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| 16                               |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| 17                               |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| 18                               |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| 19                               |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |
| 20                               |     |                 |              |                     |              |                                                                                                                                                                                                                      |                                         |                                                                                                          |               |      |  |

All colors from Munsell rock color chart.

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                              | REPORT OF BORING B-12                    |                        |               |      |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------|---------------|------|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                       | PAGE 1 OF 1                              |                        |               |      |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                             | LOCATION:                                |                        |               |      |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                    | START DATE: 1/27/92<br>END DATE: 1/27/92 |                        |               |      |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                                                                                      | Grout                                    |                        | Screen        |      |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                                                                                              | Sand Pack                                |                        | Riser         |      |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                                                              | Pellets                                  |                        |               |      |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/6" | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                           | STRATUM<br>CHANGE<br>GENERAL<br>DESCRIPT | EQUIPMENT<br>INSTALLED | FIELD TESTING |      |
|                                  |     |                 |              |                     |              |                                                                                                                              |                                          |                        | PID           | HNU  |
| 0                                | 1   | 0-2             | 12-8-10      | 18"/6"              | 20           | ASPHALT                                                                                                                      |                                          |                        |               |      |
| 1                                |     |                 |              |                     |              | Dry, black (N1), fine to coarse SAND, some fine to coarse gravel (fill)                                                      | FILL                                     |                        |               | 1.3  |
| 2                                | 2   | 2-4             | 4-4-2-2      |                     | 6            | Dry, black, fine to coarse SAND, some fine to coarse gravel (fill)                                                           |                                          |                        |               | <1   |
| 3                                |     |                 |              |                     |              |                                                                                                                              |                                          |                        |               |      |
| 4                                | 3   | 4-6             | 2-2-2-4      | 24"/16"             | 4            | Dry, olive gray (5 Y 4/1) SILT, some fine sand, micaceous                                                                    |                                          |                        |               | <1   |
| 5                                |     |                 |              |                     |              |                                                                                                                              |                                          |                        |               |      |
| 6                                | 4   | 6-8             | 6-7-6-12     | 24"/16"             | 13           | Moist, medium dense, olive gray SILT, some fine sand grading downward to wet, olive gray, coarse SAND, heavy odor, micaceous |                                          |                        |               | 54.5 |
| 7                                |     |                 |              |                     |              |                                                                                                                              |                                          |                        |               |      |
| 8                                | 5   | 8-10            | 9-2-3-4      | 24"/16"             | 5            | Moist, loose, olive gray, coarse SAND, heavy odor, micaceous                                                                 |                                          |                        |               | 61.5 |
| 9                                |     |                 |              |                     |              |                                                                                                                              |                                          |                        |               |      |
| 10                               | 6   | 10-12           | 2-3-4-5      | 24"/4"              | 7            | Wet, loose, olive gray SILT, some fine to coarse sand, micaceous                                                             |                                          |                        |               | 9.5  |
| 11                               |     |                 |              |                     |              |                                                                                                                              |                                          |                        |               |      |
| 12                               | 7   | 12-14           | 4-5-6-6      | 24"/16"             | 11           | Wet, loose, olive gray SILT, some fine to coarse sand, micaceous                                                             |                                          |                        |               | <1   |
| 13                               |     |                 |              |                     |              |                                                                                                                              |                                          |                        |               |      |
| 14                               |     |                 |              |                     |              | Bottom of boring 14.0'                                                                                                       |                                          |                        |               |      |
| 15                               |     |                 |              |                     |              |                                                                                                                              |                                          |                        |               |      |
| 16                               |     |                 |              |                     |              |                                                                                                                              |                                          |                        |               |      |
| 17                               |     |                 |              |                     |              |                                                                                                                              |                                          |                        |               |      |
| 18                               |     |                 |              |                     |              |                                                                                                                              |                                          |                        |               |      |
| 19                               |     |                 |              |                     |              |                                                                                                                              |                                          |                        |               |      |
| 20                               |     |                 |              |                     |              |                                                                                                                              |                                          |                        |               |      |

Samples S-2 (6-8") and S-4 (10-14") submitted for laboratory analyses.  
All colors from Munsell rock color chart.

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                                                                    | REPORT OF BORING B-13                    |                                                                                                          |     |                                                                   |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                                                             | PAGE 1 OF 1                              |                                                                                                          |     |                                                                   |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                                                                   | LOCATION:                                |                                                                                                          |     |                                                                   |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                                                          | START DATE: 1/28/92<br>END DATE: 1/28/92 |                                                                                                          |     |                                                                   |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                                                                                                                            |                                          | <input type="checkbox"/> Grout<br><input type="checkbox"/> Sand Pack<br><input type="checkbox"/> Pellets |     | <input type="checkbox"/> Screen<br><input type="checkbox"/> Riser |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/8" | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                                 | STRATUM<br>CHANGE<br>GENERAL<br>DESCRIPT | EQUIPMENT<br>INSTALLED                                                                                   | PID | HNU                                                               |
| 0                                | 1   | 0-2             | ---          | ---                 | ---          | ASPHALT                                                                                                                                                            |                                          |                                                                                                          |     | <1                                                                |
|                                  |     |                 |              |                     |              | No recovery - coarse GRAVEL                                                                                                                                        |                                          |                                                                                                          |     |                                                                   |
| 1                                |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| 2                                | 2   | 2-4             | 4-3-3-6      | 24"/12"             | 6            | Dry, loose, black (N1), fine to coarse SAND, some fine to coarse gravel (fill)                                                                                     | FILL                                     |                                                                                                          |     | <1                                                                |
| 3                                |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| 4                                | 3   | 4-6             | 4-2-3-6      | 24"/16"             | 5            | Moist, medium gray (N5) SILT and fine sand, some moderate yellow brown (10 YR 5/4) mottling in silt, micaceous, grading downward to fine to coarse SAND, micaceous | SILT                                     |                                                                                                          |     | <1                                                                |
| 5                                |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| 6                                | 4   | 6-8             | 4-2-3-5      | 24"/16"             | 5            | 10" wet, loose, medium gray, fine to coarse SAND; 6" wet, dusky brown (5 YR 2/2) SILT, some fine to coarse sand, micaceous                                         | SAND                                     |                                                                                                          |     | <1                                                                |
| 7                                |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| 8                                | 5   | 8-10            | 4-2-3-3      | 24"/0"              | 5            | No recovery                                                                                                                                                        | SILT                                     |                                                                                                          |     | <1                                                                |
| 9                                |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| 10                               | 6   | 10-12           | 4-7-7-10     | 24"/18"             | 14           | Moist, loose, olive gray (5 YR 4/1) SILT, little fine sand, micaceous                                                                                              |                                          |                                                                                                          |     | <1                                                                |
| 11                               |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| 12                               |     |                 |              |                     |              | Bottom of boring 12.0'                                                                                                                                             |                                          |                                                                                                          |     |                                                                   |
| 13                               |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| 14                               |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| 15                               |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| 16                               |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| 17                               |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| 18                               |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| 19                               |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |
| 20                               |     |                 |              |                     |              |                                                                                                                                                                    |                                          |                                                                                                          |     |                                                                   |

All colors from Munsell color chart.

| O'BRIEN & GERE ENGINEERS, INC.                                                     |     |                 |              |                     |              | TEST BORING LOG                                                                                                                                                                                 | REPORT OF BORING B-14                    |                                                                                                          |               |                                                                   |
|------------------------------------------------------------------------------------|-----|-----------------|--------------|---------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------|
| CLIENT: ITT Sealectro                                                              |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                                                                                          | PAGE 1 OF 1                              |                                                                                                          |               |                                                                   |
| PROJECT LOCATION: Mamaroneck, NY                                                   |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                                                                                                | LOCATION:                                |                                                                                                          |               |                                                                   |
| FILE NO.: 3356.011                                                                 |     |                 |              |                     |              | FALL: 30"                                                                                                                                                                                       | START DATE: 1/31/92<br>END DATE: 1/31/92 |                                                                                                          |               |                                                                   |
| BORING COMPANY: Empire Soils<br>FOREMAN: Jim Nowells<br>OBG GEOLOGIST: D.E. Broach |     |                 |              |                     |              | LEGEND:                                                                                                                                                                                         |                                          | <input type="checkbox"/> Grout<br><input type="checkbox"/> Sand Pack<br><input type="checkbox"/> Pellets |               | <input type="checkbox"/> Screen<br><input type="checkbox"/> Riser |
| DEPTH<br>BELOW<br>GRADE                                                            | NO. | DEPTH<br>(FEET) | BLOWS<br>/8" | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                                                              | STRATUM<br>CHANGE<br>GENERAL<br>DESCRIPT | EQUIPMENT<br>INSTALLED                                                                                   | FIELD TESTING |                                                                   |
|                                                                                    |     |                 |              |                     |              |                                                                                                                                                                                                 |                                          |                                                                                                          | PID           | HNU                                                               |
| 0                                                                                  | 1   | 0-2             | 5-6-3        | 18"/6"              | 11           | ASPHALT                                                                                                                                                                                         |                                          |                                                                                                          |               |                                                                   |
| 1                                                                                  |     |                 |              |                     |              | Dry, black (N1), medium dense, fine to coarse SAND and fine to coarse gravel, some silt (fill)                                                                                                  | FILL                                     |                                                                                                          |               |                                                                   |
| 2                                                                                  | 2   | 2-4             | 2-2-6-15     | 24"/20"             | 8            | Moist, loose, moderate brown (5 YR 3/4), fine to medium SAND and silt, little fine to coarse gravel, micaceous                                                                                  |                                          |                                                                                                          |               | <1                                                                |
| 3                                                                                  |     |                 |              |                     |              |                                                                                                                                                                                                 |                                          |                                                                                                          |               |                                                                   |
| 4                                                                                  | 3   | 4-6             | 10-12-8-2    | 24"/16"             | 20           | 6" as above; 8" moist, medium dense, dark yellowish brown (10 YR 4/2), fine to coarse SAND, some silt, micaceous; 2" moist, medium dense, moderate red brown, fine SAND, little silt, micaceous |                                          |                                                                                                          |               | <1                                                                |
| 5                                                                                  |     |                 |              |                     |              |                                                                                                                                                                                                 |                                          |                                                                                                          |               |                                                                   |
| 6                                                                                  | 4   | 6-8             | 3-4-5-5      | 24"/20"             | 9            | 14" as above; 4" wet, loose, olive gray (5 YR 4/1), fine to coarse SAND, little silt; 2" moist, moderate red brown, fine SAND, little silt, micaceous                                           |                                          |                                                                                                          |               | <1*                                                               |
| 7                                                                                  |     |                 |              |                     |              |                                                                                                                                                                                                 |                                          |                                                                                                          |               |                                                                   |
| 8                                                                                  | 5   | 8-10            | 2-2-2-2      | 24"/24"             | 4            | 6" wet, very loose, olive gray, fine to coarse SAND, some fine to coarse gravel, little silt; 8" moist, olive gray, fine SAND and silt, micaceous                                               |                                          |                                                                                                          |               | <1                                                                |
| 9                                                                                  |     |                 |              |                     |              |                                                                                                                                                                                                 |                                          |                                                                                                          |               |                                                                   |
| 10                                                                                 | 6   | 10-12           | 1-1-5-3      | 24"/6"              | 6            | Wet, loose, fine to coarse SAND and fine to coarse gravel, seen on sample, micaceous                                                                                                            |                                          |                                                                                                          |               | <1                                                                |
| 11                                                                                 |     |                 |              |                     |              |                                                                                                                                                                                                 |                                          |                                                                                                          |               |                                                                   |
| 12                                                                                 | 7   | 12-14           | 4-4-5-6      | 24"/24"             | 9            | 6" wet, loose, olive gray, fine to coarse SAND and fine to coarse gravel, micaceous; 18" moist, olive gray, fine SAND and silt, micaceous                                                       |                                          |                                                                                                          |               | NOTE                                                              |
| 13                                                                                 |     |                 |              |                     |              |                                                                                                                                                                                                 |                                          |                                                                                                          |               |                                                                   |
| 14                                                                                 | 8   | 14-16           | WH-WH-WH-2   | 24"/18"             | —            | No recovery                                                                                                                                                                                     |                                          |                                                                                                          |               | <1                                                                |
| 15                                                                                 |     |                 |              |                     |              |                                                                                                                                                                                                 |                                          |                                                                                                          |               |                                                                   |
| 16                                                                                 | 9   | 16-18           | 2-5-8-12     | 24"/18"             | 13           | 6" moist, loose, olive gray, fine SAND and silt, micaceous; 12" moist, olive gray, fine to medium SAND, some silt, micaceous                                                                    |                                          |                                                                                                          |               | <1*                                                               |
| 17                                                                                 |     |                 |              |                     |              |                                                                                                                                                                                                 |                                          |                                                                                                          |               |                                                                   |
| 18                                                                                 |     |                 |              |                     |              | Bottom of boring 18.0'                                                                                                                                                                          |                                          |                                                                                                          |               |                                                                   |
| 19                                                                                 |     |                 |              |                     |              |                                                                                                                                                                                                 |                                          |                                                                                                          |               |                                                                   |
| 20                                                                                 |     |                 |              |                     |              |                                                                                                                                                                                                 |                                          |                                                                                                          |               |                                                                   |

NOTE 13 ppm in gravel, 0.3 ppm in silty sand  
 \* Samples submitted for laboratory analyses.  
 All colors from Munsell rock color chart.

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                                                  |                                          | REPORT OF BORING B-15                                                                                                                                                   |               |     |  |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----|--|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                                           |                                          | PAGE 1 OF 1                                                                                                                                                             |               |     |  |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                                                 |                                          | LOCATION:                                                                                                                                                               |               |     |  |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                                        |                                          | START DATE: 2/3/92<br>END DATE: 2/3/92                                                                                                                                  |               |     |  |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                                                                                                          |                                          | <input type="checkbox"/> Grout <input type="checkbox"/> Screen<br><input type="checkbox"/> Sand Pack <input type="checkbox"/> Riser<br><input type="checkbox"/> Pellets |               |     |  |
| FOREMAN: Jim Nowelle             |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         |               |     |  |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         |               |     |  |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/ft | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                               | STRATUM<br>CHANGE<br>GENERAL<br>DESCRIPT | EQUIPMENT<br>INSTALLED                                                                                                                                                  | FIELD TESTING |     |  |
|                                  |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         | PID           | HNU |  |
| 0                                | 1   | 0.5-2           | 6-6-7        | 18"/12"             | 12           | ASPHALT                                                                                                                                          | 0.5'                                     |                                                                                                                                                                         |               |     |  |
| 1                                |     |                 |              |                     |              | Dry, loose, dark yellow brown (10 YR 4/2) to black (N1), fine to coarse SAND and silt, some fine to coarse gravel (fill)                         | FILL                                     |                                                                                                                                                                         |               | <1* |  |
| 2                                | 2   | 2-4             | 6-12-10-7    | 24"/5"              | 22           | Dry, loose, dark yellow brown to black, fine to coarse SAND and silt, some fine to coarse gravel (fill)                                          |                                          |                                                                                                                                                                         |               | <1* |  |
| 3                                |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         |               |     |  |
| 4                                | 3   | 4-6             | 12-36-10-12  | 24"/12"             | 46           | 6" as above<br>6" rock fragments, micaceous                                                                                                      |                                          |                                                                                                                                                                         |               | <1* |  |
| 5                                |     |                 |              |                     |              |                                                                                                                                                  | SILT                                     |                                                                                                                                                                         |               |     |  |
| 6                                | 4   | 6-8             | 6-10-9-11    | 24"/12"             | 19           | Moist, medium dense, olive gray (5 Y 4/1) SILT and fine sand, some medium to coarse sand, little fine to coarse gravel, iron staining, micaceous |                                          |                                                                                                                                                                         |               | <1  |  |
| 7                                |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         |               |     |  |
| 8                                | 5   | 8-10            | 3-6-6-3      | 24"/0"              | 12           | No recovery                                                                                                                                      |                                          |                                                                                                                                                                         |               | <1  |  |
| 9                                |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         |               |     |  |
| 10                               | 6   | 10-12           | 1-1-1-1      | 24"/0"              | 2            | No recovery                                                                                                                                      |                                          |                                                                                                                                                                         |               | <1  |  |
| 11                               |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         |               |     |  |
| 12                               | 7   | 12-14           | 3-4-4-5      | 24"/4"              | 8            | Wet, loose, olive gray SILT and fine to coarse sand, some fine to coarse gravel, micaceous                                                       |                                          |                                                                                                                                                                         |               | <1  |  |
| 13                               |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         |               |     |  |
| 14                               |     |                 |              |                     |              | Bottom of boring 14.0'                                                                                                                           |                                          |                                                                                                                                                                         |               |     |  |
| 15                               |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         |               |     |  |
| 16                               |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         |               |     |  |
| 17                               |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         |               |     |  |
| 18                               |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         |               |     |  |
| 19                               |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         |               |     |  |
| 20                               |     |                 |              |                     |              |                                                                                                                                                  |                                          |                                                                                                                                                                         |               |     |  |

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                                                                                      | REPORT OF BORING B-16                    |                        |               |      |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------|---------------|------|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                                                                               | PAGE 1 OF 1                              |                        |               |      |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                                                                                     | LOCATION:                                |                        |               |      |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                                                                            | START DATE:                              |                        |               |      |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              |                                                                                                                                                                                      | END DATE:                                |                        |               |      |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                                                                                                                                                      | LEGEND:                                  |                        |               |      |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                                                                                                                      | Grout                                    | Screen                 |               |      |
|                                  |     |                 |              |                     |              |                                                                                                                                                                                      | Sand Pack                                | Riser                  |               |      |
|                                  |     |                 |              |                     |              |                                                                                                                                                                                      | Pellets                                  |                        |               |      |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/ft | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                                                   | STRATUM<br>CHANGE<br>GENERAL<br>DESCRIPT | EQUIPMENT<br>INSTALLED | FIELD TESTING |      |
|                                  |     |                 |              |                     |              |                                                                                                                                                                                      |                                          |                        | PID           | HNU  |
| 0                                | 1   | 0-2             | 10-10-12     | 18"/12"             | 20           | ASPHALT                                                                                                                                                                              |                                          |                        |               | <1   |
| 1                                |     |                 |              |                     |              | Dry, medium dense, black (N1), fine to coarse SAND, some fine to coarse gravel (fill)                                                                                                | FILL                                     |                        |               |      |
| 2                                | 2   | 2-4             | 6-6-6-4      | 24"/18"             | 12           | 14" dry, loose, olive gray (5 Y 4/1) SILT, some fine sand, little medium to coarse sand, trace fine to coarse gravel, micaceous; 4" dry, black and moderate yellow brown (10 YR 5/4) |                                          |                        |               | <1*  |
| 3                                |     |                 |              |                     |              |                                                                                                                                                                                      |                                          |                        |               |      |
| 4                                | 3   | 4-6             | 10-100/.5    | 24"/0"              | —            | SILT and fine sand, micaceous                                                                                                                                                        |                                          |                        |               | —    |
| 5                                |     |                 |              |                     |              | No recovery                                                                                                                                                                          |                                          |                        |               |      |
| 6                                | 4   | 6-8             | 1-4-3-5      | 24"/6"              | 7            | Wet, loose, olive gray SILT, some fine sand, micaceous                                                                                                                               | SILT                                     |                        |               | <1   |
| 7                                |     |                 |              |                     |              |                                                                                                                                                                                      |                                          |                        |               |      |
| 8                                | 5   | 8-10            | 4-5-5-5      | 24"/0"              | 10           | No recovery                                                                                                                                                                          |                                          |                        |               | —    |
| 9                                |     |                 |              |                     |              |                                                                                                                                                                                      |                                          |                        |               |      |
| 10                               | 6   | 10-12           | 6-5-4-5      | 24"/8"              | 9            | Wet, loose, olive gray SILT and fine sand, micaceous                                                                                                                                 |                                          |                        |               | <1 * |
| 11                               |     |                 |              |                     |              |                                                                                                                                                                                      |                                          |                        |               |      |
| 12                               | 7   | 12-14           | 4-5-6-10     | 24"/24"             | 11           | Wet, loose, olive gray SILT and fine sand, grading to wet, olive gray, fine to medium SAND, micaceous, iron staining                                                                 | SAND                                     |                        |               | <1   |
| 13                               |     |                 |              |                     |              |                                                                                                                                                                                      |                                          |                        |               |      |
| 14                               |     |                 |              |                     |              | Bottom of boring 14.0'                                                                                                                                                               |                                          |                        |               |      |
| 15                               |     |                 |              |                     |              |                                                                                                                                                                                      |                                          |                        |               |      |
| 16                               |     |                 |              |                     |              |                                                                                                                                                                                      |                                          |                        |               |      |
| 17                               |     |                 |              |                     |              |                                                                                                                                                                                      |                                          |                        |               |      |
| 18                               |     |                 |              |                     |              |                                                                                                                                                                                      |                                          |                        |               |      |
| 19                               |     |                 |              |                     |              |                                                                                                                                                                                      |                                          |                        |               |      |
| 20                               |     |                 |              |                     |              |                                                                                                                                                                                      |                                          |                        |               |      |

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                          | REPORT OF BORING B-17                   |                        |               |        |  |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------|---------------|--------|--|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                   | PAGE 1 OF 1                             |                        |               |        |  |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                         | LOCATION:                               |                        |               |        |  |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                | START DATE: 2/5/92<br>END DATE: 2/5/92  |                        |               |        |  |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                                                                                  |                                         | Grout                  |               | Screen |  |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                                                                                          |                                         | Sand Pack              |               | Riser  |  |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                                                          |                                         | Pellets                |               |        |  |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/6" | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                       | STRATUM<br>CHANGE<br>GENERAL<br>DESCRPT | EQUIPMENT<br>INSTALLED | FIELD TESTING |        |  |
|                                  |     |                 |              |                     |              |                                                                                                                          |                                         |                        | PID           | HNU    |  |
| 0                                | 1   | 0-2             | 1-1-1-1      | 24"/6"              | 2            | Wet, very loose, dark yellowish brown (10 YR 4/2), fine to coarse SAND and silt, little fine to coarse gravel, micaceous | SAND                                    |                        |               | 200.1* |  |
| 1                                |     |                 |              |                     |              |                                                                                                                          |                                         |                        |               |        |  |
| 2                                | 2   | 2-4             | 1-1-1-1      | 24"/6"              | 2            | Wet, very loose, dark yellowish brown, fine to coarse SAND and silt, little fine to coarse gravel, micaceous             |                                         |                        |               | 250.7  |  |
| 3                                |     |                 |              |                     |              |                                                                                                                          | SILT                                    |                        |               | 253.3  |  |
| 4                                | 3   | 4-6             | 4-2-2-3      | 24"/12"             | 4            | 6" as above                                                                                                              |                                         |                        |               |        |  |
| 5                                |     |                 |              |                     |              | 6" moist, loose, dusky brown (5 YR 2/2) SILT and fine sand, little medium to coarse sand, plant matter, micaceous        |                                         |                        |               |        |  |
| 6                                | 4   | 6-8             | 3-5-7-8      | 24"/24"             | 12           | 16" as above                                                                                                             |                                         |                        |               |        |  |
| 7                                |     |                 |              |                     |              | 8" wet, loose, olive gray (5 Y 4/1) SILT and fine sand, little medium to coarse sand, heavy odor, micaceous              |                                         |                        |               |        |  |
| 8                                | 5   | 8-10            | 3-5-8-10     | 24"/10"             | 13           | Wet, loose, olive gray SILT and fine sand, little medium to coarse sand, heavy odor, micaceous                           |                                         |                        |               | 341*   |  |
| 9                                |     |                 |              |                     |              |                                                                                                                          | Bottom of boring 12.0'                  |                        |               | 346    |  |
| 10                               | 6   | 10-12           | 8-14-12-10   | 24"/12"             | 26           | Wet, loose, olive gray SILT and fine sand, little medium to coarse sand, heavy odor, micaceous                           |                                         |                        |               |        |  |
| 11                               |     |                 |              |                     |              |                                                                                                                          |                                         |                        |               |        |  |
| 12                               |     |                 |              |                     |              |                                                                                                                          |                                         |                        |               |        |  |
| 13                               |     |                 |              |                     |              |                                                                                                                          |                                         |                        |               |        |  |
| 14                               |     |                 |              |                     |              |                                                                                                                          |                                         |                        |               |        |  |
| 15                               |     |                 |              |                     |              |                                                                                                                          |                                         |                        |               |        |  |
| 16                               |     |                 |              |                     |              |                                                                                                                          |                                         |                        |               |        |  |
| 17                               |     |                 |              |                     |              |                                                                                                                          |                                         |                        |               |        |  |
| 18                               |     |                 |              |                     |              |                                                                                                                          |                                         |                        |               |        |  |
| 19                               |     |                 |              |                     |              |                                                                                                                          |                                         |                        |               |        |  |
| 20                               |     |                 |              |                     |              |                                                                                                                          |                                         |                        |               |        |  |

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |                 |                     |              | TEST BORING LOG                                                                                                                                    | REPORT OF BORING B-18                                                                                    |                                                                   |               |     |
|----------------------------------|-----|-----------------|-----------------|---------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------|-----|
| CLIENT: ITT Sealectro            |     |                 |                 |                     |              | SAMPLER 3" Split Spoon                                                                                                                             | PAGE 1 OF 1                                                                                              |                                                                   |               |     |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |                 |                     |              | HAMMER: 140 lbs.                                                                                                                                   | LOCATION:                                                                                                |                                                                   |               |     |
| FILE NO.: 3356.011               |     |                 |                 |                     |              | FALL: 30"                                                                                                                                          | START DATE: 2/7/92<br>END DATE: 2/7/92                                                                   |                                                                   |               |     |
| BORING COMPANY: Empire Soils     |     |                 |                 |                     |              | LEGEND:                                                                                                                                            | <input type="checkbox"/> Grout<br><input type="checkbox"/> Sand Pack<br><input type="checkbox"/> Pellets | <input type="checkbox"/> Screen<br><input type="checkbox"/> Riser |               |     |
| FOREMAN: Jim Nowells             |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |
| OBG GEOLOGIST: D.E. Broach       |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/ft    | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                 | STRATUM<br>CHANGE<br>GENERAL<br>DESCRIPT                                                                 | EQUIPMENT<br>INSTALLED                                            | FIELD TESTING |     |
|                                  |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   | PID           | HNU |
| 0                                | 1   | 0-2             | 35-100/4        | 18"/4"              | ---          | ASPHALT                                                                                                                                            |                                                                                                          |                                                                   |               | <1  |
| 1                                |     |                 |                 |                     |              | Dry, very dense, black (N1), fine to coarse SAND and fine to coarse gravel (fill)                                                                  | FILL                                                                                                     |                                                                   |               |     |
| 2                                | 2   | 2-4             | 18-16-<br>18-15 | 24"/10"             | 34           | Dry, dense, dusky brown (5 YR 2/2), fine to coarse SAND and fine to coarse gravel, mica-<br>ceous                                                  |                                                                                                          |                                                                   |               | <1  |
| 3                                |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |
| 4                                | 3   | 4-6             | 2-3-3-3         | 24"/0"              | 6            | No recovery                                                                                                                                        |                                                                                                          |                                                                   |               | <1  |
| 5                                |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |
| 6                                | 4   | 6-8             | 4-4-4-4         | 24"/24"             | 8            | 12" moist, loose, olive gray (5 Y 4/1) SILT and fine to medium sand; 12" moist, loose, dusky brown SILT and fine sand, peat laminations, micaceous |                                                                                                          |                                                                   |               | <1* |
| 7                                |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |
| 8                                | 5   | 8-10            | 3-15-9-6        | 24"/4"              | 24           | Wet, medium dense, olive gray SILT and fine sand, some medium to coarse sand, micaceous                                                            |                                                                                                          |                                                                   |               | <1  |
| 9                                |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |
| 10                               | 6   | 10-12           | 5-6-<br>12-14   | 24"/20"             | 18           | 6" wet, medium dense, fine to coarse SAND and fine gravel, micaceous; 14" moist, olive gray SILT and fine sand, micaceous                          |                                                                                                          |                                                                   |               | <1  |
| 11                               |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |
| 12                               | 7   | 12-14           | 15-18-<br>18-20 | 24"/24"             | 36           | Wet, dense, olive gray, fine to coarse SAND and fine gravel, micaceous                                                                             |                                                                                                          |                                                                   |               | <1* |
| 13                               |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |
| 14                               |     |                 |                 |                     |              | Bottom of boring 14.0'                                                                                                                             |                                                                                                          |                                                                   |               |     |
| 15                               |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |
| 16                               |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |
| 17                               |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |
| 18                               |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |
| 19                               |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |
| 20                               |     |                 |                 |                     |              |                                                                                                                                                    |                                                                                                          |                                                                   |               |     |

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |                 |                     |              | TEST BORING LOG                                                                                                             |                                          | REPORT OF BORING B-19                                                                                                                                                   |               |              |  |
|----------------------------------|-----|-----------------|-----------------|---------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|--|
| CLIENT: ITT Sealectro            |     |                 |                 |                     |              | SAMPLER 3" Split Spoon                                                                                                      |                                          | PAGE 1 OF 1                                                                                                                                                             |               |              |  |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |                 |                     |              | HAMMER: 140 lbs.                                                                                                            |                                          | LOCATION:                                                                                                                                                               |               |              |  |
| FILE NO.: 3356.011               |     |                 |                 |                     |              | FALL: 30"                                                                                                                   |                                          | START DATE: 1/30/92<br>END DATE: 1/30/92                                                                                                                                |               |              |  |
| BORING COMPANY: Empire Soils     |     |                 |                 |                     |              | LEGEND:                                                                                                                     |                                          | <input type="checkbox"/> Grout <input type="checkbox"/> Screen<br><input type="checkbox"/> Sand Pack <input type="checkbox"/> Riser<br><input type="checkbox"/> Pellets |               |              |  |
| FOREMAN: Jim Nowells             |     |                 |                 |                     |              |                                                                                                                             |                                          |                                                                                                                                                                         |               |              |  |
| OBG GEOLOGIST: D.E. Broach       |     |                 |                 |                     |              |                                                                                                                             |                                          |                                                                                                                                                                         |               |              |  |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/8"    | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                          | STRATUM<br>CHANGE<br>GENERAL<br>DESCRIPT | EQUIPMENT<br>INSTALLED                                                                                                                                                  | FIELD TESTING |              |  |
| 0                                | 1   | 0-2             | 11-17-15        | 18"/8"              | 28           | 6" ASPHALT                                                                                                                  |                                          |                                                                                                                                                                         |               |              |  |
|                                  |     |                 |                 |                     |              | Dry, medium dense, grayish brown (5 YR 3/2),<br>fine to coarse SAND, some fine to coarse gravel<br>(fill)                   |                                          |                                                                                                                                                                         |               | <1           |  |
| 1                                |     |                 |                 |                     |              |                                                                                                                             |                                          |                                                                                                                                                                         |               |              |  |
| 2                                | 2   | 2-4             | 12-5-6-6        | 24"/0"              | 11           | No recovery                                                                                                                 | FILL                                     |                                                                                                                                                                         |               |              |  |
| 3                                |     |                 |                 |                     |              |                                                                                                                             |                                          |                                                                                                                                                                         |               |              |  |
| 4                                | 3   | 4-6             | 2-2-2-2         | 24"/6"              | 4            | Moist, very loose, olive gray (5 Y 4/1) SILT,<br>some fine sand, wood chips, micaceous                                      | SILT                                     |                                                                                                                                                                         |               | 125.4        |  |
| 5                                |     |                 |                 |                     |              |                                                                                                                             |                                          |                                                                                                                                                                         |               |              |  |
| 6                                | 4   | 6-8             | 3-3-3-5         | 24"/16"             | 6            | 10" as above; 2" wet, loose, olive gray, fine<br>to coarse SAND, some fine gravel; 4" moist,<br>dusky brown (5 YR 2/2) PEAT |                                          |                                                                                                                                                                         |               | 125.4<br>7.5 |  |
| 7                                |     |                 |                 |                     |              |                                                                                                                             |                                          |                                                                                                                                                                         |               |              |  |
| 8                                | 5   | 8-10            | WOH-2-<br>3-4   | 24"/24"             | 5            | 6" as above; 12" moist, loose, olive gray,<br>fine to medium SAND, some silt, little coarse<br>sand, wood chips, micaceous  | SAND                                     |                                                                                                                                                                         |               | 147.5*       |  |
| 9                                |     |                 |                 |                     |              |                                                                                                                             |                                          |                                                                                                                                                                         |               |              |  |
| 10                               | 6   | 10-12           | 1-3-4-7         | 24"/6"              | 7            | Moist, loose, olive gray, fine SAND, some<br>silt, trace medium to coarse sand, peat lamin-<br>ations, micaceous            |                                          |                                                                                                                                                                         |               | 9.1          |  |
| 11                               |     |                 |                 |                     |              |                                                                                                                             |                                          |                                                                                                                                                                         |               |              |  |
| 12                               | 7   | 12-14           | 14-16-<br>22-26 | 24"/0"              | 38           | No recovery (heavy odor)                                                                                                    |                                          |                                                                                                                                                                         |               |              |  |
| 13                               |     |                 |                 |                     |              |                                                                                                                             |                                          |                                                                                                                                                                         |               |              |  |
| 14                               | 8   | 14-16           | 7-6-<br>16-16   | 24"/24"             | 22           | Moist, medium dense, olive gray, fine SAND,<br>some silt, micaceous                                                         |                                          |                                                                                                                                                                         |               | 14           |  |
| 15                               |     |                 |                 |                     |              |                                                                                                                             |                                          |                                                                                                                                                                         |               |              |  |
| 16                               | 9   | 16-18           | 4-7-<br>17-17   | 24"/16"             | 24           | Moist to dry, olive gray SILT and fine sand,<br>trace medium sand in lamination, micaceous                                  |                                          |                                                                                                                                                                         |               | 16.9         |  |
| 17                               |     |                 |                 |                     |              |                                                                                                                             |                                          |                                                                                                                                                                         |               |              |  |
| 18                               | 10  | 18-20           | 6-7-9-11        | 24"/16"             | 16           | Wet, medium dense, olive gray SILT and fine<br>sand, some medium sand, micaceous                                            | SILT                                     |                                                                                                                                                                         |               | 10*          |  |
| 19                               |     |                 |                 |                     |              |                                                                                                                             |                                          |                                                                                                                                                                         |               |              |  |
| 20                               | 11  | 20-22           | 6-6-6-7         | 24"/12"             | 12           | Wet, medium dense, olive gray, fine to coarse<br>SAND, some silt, little fine to coarse gravel,<br>micaceous                | SAND                                     |                                                                                                                                                                         |               | 59.9         |  |
| 21                               |     |                 |                 |                     |              |                                                                                                                             |                                          |                                                                                                                                                                         |               |              |  |
| 22                               |     |                 |                 |                     |              | Bottom of boring 22.0'                                                                                                      |                                          |                                                                                                                                                                         |               |              |  |

\* Samples submitted for laboratory analyses.

All colors from Munsell rock color chart.

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                       | REPORT OF BORING B-20<br>PAGE 1 OF 1    |                        |                          |       |  |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|---------------------------------------------------------------------------------------|-----------------------------------------|------------------------|--------------------------|-------|--|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                | LOCATION:                               |                        |                          |       |  |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                      | START DATE: 2/6/92<br>END DATE: 2/6/92  |                        |                          |       |  |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                             |                                         |                        |                          |       |  |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                                               |                                         | Grout                  | Screen                   |       |  |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                                                       |                                         | Sand Pack              | Riser                    |       |  |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                       |                                         | Pellets                |                          |       |  |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/6" | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                    | STRATUM<br>CHANGE<br>GENERAL<br>DESCRPT | EQUIPMENT<br>INSTALLED | FIELD TESTING<br>PID HNU |       |  |
| 0                                | 1   | 0-2             | 3-4-4        | 18"/2"              | 7            | Dry, loose, black (N1) CINDERS and SLAG (fill)                                        | FILL                                    |                        |                          | 7.1*  |  |
| 1                                |     |                 |              |                     |              |                                                                                       |                                         |                        |                          |       |  |
| 2                                | 2   | 2-4             | 5-14-7-8     | 24"/8"              | 21           | Dry, loose, black CINDERS and SLAG                                                    |                                         |                        |                          |       |  |
| 3                                |     |                 |              |                     |              |                                                                                       | SAND                                    |                        |                          | <1    |  |
| 4                                | 3   | 4-6             | 5-8-7-4      | 24"/2"              | 15           | Moist, loose, olive gray (5 Y 4/1) SILT and fine sand, micaceous                      |                                         |                        |                          |       |  |
| 5                                |     |                 |              |                     |              |                                                                                       |                                         |                        |                          |       |  |
| 6                                | 4   | 6-8             | 5-4-4-7      | 24"/0"              | 8            | No recovery, cinders/slag caved in borehole                                           |                                         |                        |                          |       |  |
| 7                                |     |                 |              |                     |              |                                                                                       |                                         |                        |                          |       |  |
| 8                                | 5   | 8-9             | 4-4-7-9      | 24"/0"              | 11           | No recovery, cinders/slag caved in borehole                                           | SILT                                    |                        |                          | 19.2  |  |
| 9                                | 6   | 9-11            | 5-5-5-5      | 24"/6"              | 10           | Wet, loose, olive gray, fine to medium SAND, micaceous                                |                                         |                        |                          |       |  |
| 10                               |     |                 |              |                     |              |                                                                                       |                                         |                        |                          |       |  |
| 11                               | 7   | 11-13           | 5-9-11-13    | 24"/8"              | 20           | 2" wet, loose, olive gray, fine to coarse SAND, some fine to coarse gravel, micaceous |                                         |                        |                          |       |  |
| 12                               |     |                 |              |                     |              | 6" moist, olive gray SILT and fine sand, micaceous                                    |                                         |                        |                          |       |  |
| 13                               |     |                 |              |                     |              | Bottom of boring 13.0'                                                                |                                         |                        |                          | 123.5 |  |
| 14                               |     |                 |              |                     |              |                                                                                       |                                         |                        |                          |       |  |
| 15                               |     |                 |              |                     |              |                                                                                       |                                         |                        |                          |       |  |
| 16                               |     |                 |              |                     |              |                                                                                       |                                         |                        |                          |       |  |
| 17                               |     |                 |              |                     |              |                                                                                       |                                         |                        |                          |       |  |
| 18                               |     |                 |              |                     |              |                                                                                       |                                         |                        |                          |       |  |
| 19                               |     |                 |              |                     |              |                                                                                       |                                         |                        |                          |       |  |
| 20                               |     |                 |              |                     |              |                                                                                       |                                         |                        |                          |       |  |

\* A composite of all of the samples was submitted for laboratory analyses due to the small amount of retrieved material.  
All colors from Munsell rock color chart.

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                                                                                                           |                                         | REPORT OF BORING B-21                                                                                                    |               |       |  |  |      |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------|-------|--|--|------|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                                                                                                    |                                         | PAGE 1 OF 1                                                                                                              |               |       |  |  |      |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                                                                                                          |                                         | LOCATION:                                                                                                                |               |       |  |  |      |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                                                                                                 |                                         | START DATE: 2/4/92<br>END DATE: 2/4/92                                                                                   |               |       |  |  |      |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                                                                                                                                                                   |                                         | <div> <div>Grout</div> <div>Sand Pack</div> <div>Pellets</div> </div> <div> <div>== Screen</div> <div>Riser</div> </div> |               |       |  |  |      |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                                                                                                                                                                           |                                         |                                                                                                                          |               |       |  |  |      |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                                                                                                                                           |                                         |                                                                                                                          |               |       |  |  |      |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/ft | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                                                                        | STRATUM<br>CHANGE<br>GENERAL<br>DESCRPT | EQUIPMENT<br>INSTALLED                                                                                                   | FIELD TESTING |       |  |  |      |
| 0                                | 1   | 0-2             | 1-2-4-3      | 24"/20"             | 6            | 14" dry, loose, dusky brown (5 YR 2/2), fine to medium SAND and silt (top soil); 6" dry, loose, dark yellowish brown (10 YR 4/2), fine to medium SAND and silt, some coarse, little fine to coarse gravel | FILL                                    |                                                                                                                          |               | <1    |  |  |      |
| 1                                |     |                 |              |                     |              |                                                                                                                                                                                                           |                                         |                                                                                                                          |               |       |  |  |      |
| 2                                | 2   | 2-4             | 6-10-4-3     | 24"/16"             | 14           | 10" as above                                                                                                                                                                                              |                                         |                                                                                                                          |               |       |  |  | <1   |
| 3                                |     |                 |              |                     |              | 6" dry, loose, black CINDERS and slag                                                                                                                                                                     | SAND                                    |                                                                                                                          |               | <1    |  |  |      |
| 4                                | 3   | 4-6             | 1-1-3-3      | 24"/15"             | 4            | 6" moist, very loose, dark yellowish brown, fine SAND and silt, some medium to coarse sand, black staining, micaceous                                                                                     |                                         |                                                                                                                          |               |       |  |  | <1   |
| 5                                |     |                 |              |                     |              |                                                                                                                                                                                                           |                                         |                                                                                                                          |               |       |  |  |      |
| 6                                | 4   | 6-8             | 2-2-3-3      | 24"/20"             | 5            | 8" as above                                                                                                                                                                                               | SILT                                    |                                                                                                                          |               | 51.5* |  |  |      |
| 7                                |     |                 |              |                     |              | 12" wet, loose, olive gray (5 Y 4/1), fine SAND and silt, trace medium to coarse sand, micaceous                                                                                                          |                                         |                                                                                                                          |               |       |  |  |      |
| 8                                | 5   | 8-10            | 1-2-4-6      | 24"/16"             | 6            | Moist, loose, moderate brown (5 YR 4/4) SILT and fine sand, some clay, plant matter, micaceous                                                                                                            |                                         |                                                                                                                          |               |       |  |  | 12.5 |
| 9                                |     |                 |              |                     |              |                                                                                                                                                                                                           | SAND                                    |                                                                                                                          |               | <1*   |  |  |      |
| 10                               | 6   | 10-12           | 4-4-6-9      | 24"/20"             | 10           | Moist, loose, medium dark gray (N4), fine SAND and silt, laminations of medium sand, micaceous                                                                                                            |                                         |                                                                                                                          |               |       |  |  |      |
| 11                               |     |                 |              |                     |              |                                                                                                                                                                                                           |                                         |                                                                                                                          |               |       |  |  |      |
| 12                               | 7   | 12-14           | 5-12-15-12   | 24"/16"             | 27           | As above grading to wet, medium to coarse SAND, some fine sand, little silt, micaceous                                                                                                                    | Bottom of boring 14.0'                  |                                                                                                                          |               | 11.1  |  |  |      |
| 13                               |     |                 |              |                     |              |                                                                                                                                                                                                           |                                         |                                                                                                                          |               |       |  |  |      |
| 14                               |     |                 |              |                     |              |                                                                                                                                                                                                           |                                         |                                                                                                                          |               |       |  |  |      |
| 15                               |     |                 |              |                     |              |                                                                                                                                                                                                           |                                         |                                                                                                                          |               |       |  |  |      |
| 16                               |     |                 |              |                     |              |                                                                                                                                                                                                           |                                         |                                                                                                                          |               |       |  |  |      |
| 17                               |     |                 |              |                     |              |                                                                                                                                                                                                           |                                         |                                                                                                                          |               |       |  |  |      |
| 18                               |     |                 |              |                     |              |                                                                                                                                                                                                           |                                         |                                                                                                                          |               |       |  |  |      |
| 19                               |     |                 |              |                     |              |                                                                                                                                                                                                           |                                         |                                                                                                                          |               |       |  |  |      |
| 20                               |     |                 |              |                     |              |                                                                                                                                                                                                           |                                         |                                                                                                                          |               |       |  |  |      |

\* Samples submitted for laboratory analyses.  
All colors from Munsell rock color chart.

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | REPORT OF BORING B-23                    |                        |               |     |  |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------|---------------|-----|--|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PAGE 1 OF 1                              |                        |               |     |  |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | LOCATION:                                |                        |               |     |  |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | START DATE: 2/7/92                       |                        |               |     |  |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | END DATE: 2/7/92                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          |                        |               |     |  |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              | LEGEND:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |                        |               |     |  |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              | <div style="display: flex; justify-content: space-between;"> <div> <div style="width: 15px; height: 15px; background-color: gray; border: 1px solid black;"></div> Grout           <div style="width: 15px; height: 15px; background-color: black; border: 1px solid black;"></div> Sand Pack           <div style="width: 15px; height: 15px; background-color: white; border: 1px solid black;"></div> Pellets         </div> <div> <div style="width: 15px; height: 15px; border: 1px solid black; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></div> Screen           <div style="width: 15px; height: 15px; border: 1px solid black; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px);"></div> Riser         </div> </div> |                                          |                        |               |     |  |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/6" | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | STRATUM<br>CHANGE<br>GENERAL<br>DESCRIPT | EQUIPMENT<br>INSTALLED | FIELD TESTING |     |  |
|                                  |     |                 |              |                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                        | PID           | HNU |  |
| 0                                | 1   | 0-2             | 62-25-15     | 18"/16"             | 87           | ASPHALT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |                        |               | <1  |  |
| 1                                |     |                 |              |                     |              | 6" dry, very dense, black (N1), fine to coarse SAND and fine to coarse gravel; 10" dry, dusky brown (5 YR 2/2) SILT and fine sand, some med-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                          |                        |               |     |  |
| 2                                | 2   | 2-4             | 25-24-       | 24"/16"             | 49           | ium to coarse sand, little fine to coarse gravel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                          |                        |               | <1* |  |
|                                  |     |                 | 25-50        |                     |              | Dry to moist, dense, moderate yellow brown                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                          |                        |               |     |  |
| 3                                |     |                 |              |                     |              | (5 YR 3/4), fine to coarse SAND, some fine to coarse gravel, micaceous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |                        |               |     |  |
| 4                                | 3   | 4-6             | 4-5-5-8      | 24"/0"              | 10           | No recovery                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          |                        |               |     |  |
| 5                                |     |                 |              |                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                        |               |     |  |
| 6                                | 4   | 6-8             | 14-12-       | 24"/4"              | 24           | Moist, medium dense, dusky brown, olive gray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                          |                        |               | <1* |  |
|                                  |     |                 | 12-12        |                     |              | (5 Y 4/1) and moderate yellow brown SILT and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                          |                        |               |     |  |
| 7                                |     |                 |              |                     |              | fine sand, little medium to coarse sand,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                          |                        |               |     |  |
|                                  |     |                 |              |                     |              | trace fine to coarse gravel, micaceous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |                        |               |     |  |
| 8                                | 5   | 8-10            | 2-8-9-9      | 24"/2"              | 17           | Wet, medium dense, olive gray SILT and fine sand, micaceous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          |                        |               | <1  |  |
| 9                                |     |                 |              |                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                        |               |     |  |
| 10                               |     |                 |              |                     |              | Bottom of boring 10.0'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |                        |               |     |  |
| 11                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                        |               |     |  |
| 12                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                        |               |     |  |
| 13                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                        |               |     |  |
| 14                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                        |               |     |  |
| 15                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                        |               |     |  |
| 16                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                        |               |     |  |
| 17                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                        |               |     |  |
| 18                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                        |               |     |  |
| 19                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                        |               |     |  |
| 20                               |     |                 |              |                     |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                          |                        |               |     |  |

| O'BRIEN & GERE ENGINEERS, INC.   |     |                 |              |                     |              | TEST BORING LOG                                                                                                                            |                                          | REPORT OF BORING B-24                                                                                                                                                   |                             |      |  |
|----------------------------------|-----|-----------------|--------------|---------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------|--|
| CLIENT: ITT Sealectro            |     |                 |              |                     |              | SAMPLER 3" Split Spoon                                                                                                                     |                                          | PAGE 1 OF 1                                                                                                                                                             |                             |      |  |
| PROJECT LOCATION: Mamaroneck, NY |     |                 |              |                     |              | HAMMER: 140 lbs.                                                                                                                           |                                          | LOCATION:                                                                                                                                                               |                             |      |  |
| FILE NO.: 3356.011               |     |                 |              |                     |              | FALL: 30"                                                                                                                                  |                                          | START DATE: 2/10/92<br>END DATE: 2/10/92                                                                                                                                |                             |      |  |
| BORING COMPANY: Empire Soils     |     |                 |              |                     |              | LEGEND:                                                                                                                                    |                                          | <input type="checkbox"/> Grout <input type="checkbox"/> Screen<br><input type="checkbox"/> Sand Pack <input type="checkbox"/> Riser<br><input type="checkbox"/> Pellets |                             |      |  |
| FOREMAN: Jim Nowells             |     |                 |              |                     |              |                                                                                                                                            |                                          |                                                                                                                                                                         |                             |      |  |
| OBG GEOLOGIST: D.E. Broach       |     |                 |              |                     |              |                                                                                                                                            |                                          |                                                                                                                                                                         |                             |      |  |
| DEPTH<br>BELOW<br>GRADE          | NO. | DEPTH<br>(FEET) | BLOWS<br>/ft | PENETR/<br>RECOVERY | "N"<br>VALUE | SAMPLE DESCRIPTION                                                                                                                         | STRATUM<br>CHANGE<br>GENERAL<br>DESCRIPT | EQUIPMENT<br>INSTALLED                                                                                                                                                  | FIELD TESTING<br>PID    HNU |      |  |
| 0                                | 1   | 0-2             | 2-3-4-3      | 24"/6"              | 7            | Dry, loose, dusky brown (5 YR 2/2) SILT and fine sand, some medium to coarse sand, little fine to coarse gravel, micaceous                 |                                          |                                                                                                                                                                         |                             | 40.5 |  |
| 1                                |     |                 |              |                     |              |                                                                                                                                            |                                          |                                                                                                                                                                         |                             |      |  |
| 2                                | 2   | 2-4             | 10-7-1-2     | 24"/6"              | 8            | Moist, loose, moderate yellowish brown (10 YR 5/4) SILT and fine sand, some medium to coarse sand, little fine to coarse gravel, micaceous |                                          |                                                                                                                                                                         |                             | 46.5 |  |
| 3                                |     |                 |              |                     |              |                                                                                                                                            |                                          |                                                                                                                                                                         |                             |      |  |
| 4                                | 3   | 4-6             | 1-1-1-1      | 24"/6"              | 2            | Moist, very loose, dusky brown SILT and fine sand, little medium to coarse sand, micaceous                                                 |                                          |                                                                                                                                                                         |                             | 55.1 |  |
| 5                                |     |                 |              |                     |              |                                                                                                                                            |                                          |                                                                                                                                                                         |                             |      |  |
| 6                                | 4   | 6-8             | 1-5-5-6      | 24"/24"             | 10           | 12" moist, loose, dusky brown SILT and fine sand, little medium to coarse sand, micaceous                                                  |                                          |                                                                                                                                                                         |                             | 95   |  |
| 7                                |     |                 |              |                     |              | 12" moist, olive gray (5 Y 4/1) SILT and fine sand, micaceous                                                                              |                                          |                                                                                                                                                                         |                             |      |  |
| 8                                | 5   | 8-10            | 3-4-4-4      | 24"/20"             | 8            | Moist, loose, olive gray SILT and fine sand, micaceous, iron staining                                                                      |                                          |                                                                                                                                                                         |                             | <1   |  |
| 9                                |     |                 |              |                     |              |                                                                                                                                            |                                          |                                                                                                                                                                         |                             |      |  |
| 10                               | 6   | 10-12           | 2-2-3-3      | 24"/16"             | 5            | Moist, loose, olive gray SILT and fine sand, micaceous                                                                                     |                                          |                                                                                                                                                                         |                             | <1   |  |
| 11                               |     |                 |              |                     |              |                                                                                                                                            |                                          |                                                                                                                                                                         |                             |      |  |
| 12                               | 7   | 12-14           | 5-5-7-7      | 24"/24"             | 12           | Wet, loose, olive gray SILT and fine sand, micaceous                                                                                       |                                          |                                                                                                                                                                         |                             | <1   |  |
| 13                               |     |                 |              |                     |              |                                                                                                                                            |                                          |                                                                                                                                                                         |                             |      |  |
| 14                               | 8   | 14-16           | 1-2-3-3      | 24"/16"             | 5            | Wet, loose, olive gray SILT and fine sand, micaceous                                                                                       |                                          |                                                                                                                                                                         |                             | <1   |  |
| 15                               |     |                 |              |                     |              |                                                                                                                                            |                                          |                                                                                                                                                                         |                             |      |  |
| 16                               | 9   | 16-18           | 4-2-2-3      | 24"/24"             | 4            | Wet, moderate yellow brown, medium SAND, some fine sand, micaceous                                                                         |                                          |                                                                                                                                                                         |                             | <1   |  |
| 17                               |     |                 |              |                     |              |                                                                                                                                            |                                          |                                                                                                                                                                         |                             |      |  |
| 18                               |     |                 |              |                     |              | Bottom of boring 18.0'                                                                                                                     |                                          |                                                                                                                                                                         |                             |      |  |
| 19                               |     |                 |              |                     |              |                                                                                                                                            |                                          |                                                                                                                                                                         |                             |      |  |
| 20                               |     |                 |              |                     |              |                                                                                                                                            |                                          |                                                                                                                                                                         |                             |      |  |

Monitoring well not installed due to encountering product.  
All colors from Munsell rock color chart.

**APPENDIX C**  
**PID CALIBRATION FORMS**

## EQUIPMENT CALIBRATION LOG

Date of Calibration:

1/20/92

Type of Equipment:

~~FE~~ TET 580A - OVM

Equipment Serial #:

580A - 23987 - 213

Reason for Calibration:

Daily Calibration

Method of Calibration:

Isobutylene

Gas Concentration:

Initial Reading:

100 ppm

Final Reading:

100 ppm

Signature:

David S. Burt

## EQUIPMENT CALIBRATION LOG

Date of Calibration: 1/21/92

Type of Equipment: TEI 580A OVM

Equipment Serial #: 580A - 23987 - 213

Reason for Calibration: Daily calibration

Method of Calibration: Isobutylene

Gas Concentration: 100 ppm

Initial Reading: 100 ppm

Final Reading: 100 ppm

Signature: David L. Burt

## EQUIPMENT CALIBRATION LOG

Date of Calibration: 1/22/92

Type of Equipment: TEK 500A OVM

Equipment Serial #: 580A 23987-213

Reason for Calibration: Daily Cal.

Method of Calibration: Isobutylene

Gas Concentration: 100 ppm

Initial Reading: 100 ppm

Final Reading: 100 ppm

Signature: Donald E. Bush

## EQUIPMENT CALIBRATION LOG

Date of Calibration: 1/22/92

Type of Equipment: TEI 580A - OVM

Equipment Serial #: 580A - 23987 - 213

Reason for Calibration: Daily Calibration

Method of Calibration: Isobutylene

Gas Concentration: 100 ppm

Initial Reading: 100 ppm

Final Reading: 100 ppm

Signature: Daniel E. Bunn

## EQUIPMENT CALIBRATION LOG

Date of Calibration: 1/24/92

Type of Equipment: TED 580A OVM

Equipment Serial #: 580A - 23987 - 213

Reason for Calibration: Drinking Calibration

Method of Calibration: Bobtymene

Gas Concentration: 100 ppm

Initial Reading: 100 ppm

Final Reading: 100 ppm

Signature: Donald E. Bernal

## EQUIPMENT CALIBRATION LOG

Date of Calibration: 1/27/92

Type of Equipment: ETEI 5804 OVM

Equipment Serial #: 5804-23987-213

Reason for Calibration: Daily calibration

Method of Calibration: Isobutylene

Gas Concentration: 100 ppm

Initial Reading: 100 ppm

Final Reading: 100 ppm

Signature: Daniel S. Brand

## EQUIPMENT CALIBRATION LOG

Date of Calibration: 1/28/92

Type of Equipment: TEI model 580A OVM

Equipment Serial #: 580A - 23987 - 213

Reason for Calibration: Daily calibration

Method of Calibration: Isobutylene

Gas Concentration: 100 ppm

Initial Reading: 100 ppm

Final Reading: 100 ppm

Signature: Donald E. Burt

## EQUIPMENT CALIBRATION LOG

Date of Calibration: 1/29/92

Type of Equipment: TEI model 580A OVM

Equipment Serial #: 580A - 23987 - 213

Reason for Calibration: Daily calibration

Method of Calibration: 100 ppm Isobutylene

Gas Concentration: 100 ppm

Initial Reading: 100 ppm

Final Reading: 100 ppm

Signature: Donald S. Bunt

## EQUIPMENT CALIBRATION LOG

Date of Calibration: 1/30/92

Type of Equipment: TEF model 530A OVM

Equipment Serial #: 530A -23987-213

Reason for Calibration: Daily Cal.

Method of Calibration: 100 ppm Isobutylene

Gas Concentration: 100 ppm

Initial Reading: 100 ppm

Final Reading: 100 ppm

Signature: Daniel E. Brund

## EQUIPMENT CALIBRATION LOG

Date of Calibration: 2/2/98

Type of Equipment: TEI model 580A OVM

Equipment Serial #: 580A 23987-213

Reason for Calibration: Daily Cal.

Method of Calibration: 100 ppm 5 isobutylene

Gas Concentration: 100 ppm

Initial Reading: 100 ppm

Final Reading: 100 ppm

Signature: Daniel S. Baul

## EQUIPMENT CALIBRATION LOG

Date of Calibration: 2/3/92

Type of Equipment: TEI Model 580A OVM

Equipment Serial #: 580A - 23987 - 213

Reason for Calibration: Daily Cal.

Method of Calibration: 100 ppm Toluene

Gas Concentration: 100 ppm

Initial Reading: 100 ppm

Final Reading: 100 ppm

Signature: D. L. Smith

## EQUIPMENT CALIBRATION LOG

Date of Calibration: 2/4/92

Type of Equipment: 3356.011 TGI model 580A-ovh

Equipment Serial #: 580A -23987-213

Reason for Calibration: Daily cal.

Method of Calibration: 100 ppm Isobutylene

Gas Concentration: 100 ppm

Initial Reading: 100 ppm

Final Reading: 100 ppm

Signature: Daniel S. Runk

## EQUIPMENT CALIBRATION LOG

Date of Calibration: 2/5/92

Type of Equipment: TEI model 520A OVM

Equipment Serial #: 520A -23987-213

Reason for Calibration: Daily cal.

Method of Calibration: 100 ppm Isobutylene

Gas Concentration: 100 ppm

Initial Reading: 85 ppm

Final Reading: 100 ppm

Signature: David S. Bunt

## EQUIPMENT CALIBRATION LOG

Date of Calibration: 2/6/92

Type of Equipment: TET Model 580A OVM

Equipment Serial #: 580A - 23987-213

Reason for Calibration: Daily Cal.

Method of Calibration: 100 ppm Isobutylene

Gas Concentration: 100 ppm

Initial Reading: 98 ppm

Final Reading: 100 ppm

Signature: Donald S. Bush

## EQUIPMENT CALIBRATION LOG

Date of Calibration:

2/7/92

Type of Equipment:

TEI model 580A OVM

Equipment Serial #:

580A-23987-213

Reason for Calibration:

Daily cal.

Method of Calibration:

100 ppm Isobutylene

Gas Concentration:

100 ppm

Initial Reading:

95 ppm

Final Reading:

100 ppm

Signature:

Daniel S. Bunt

ENVIRONMENTAL MONITORING LOG  
(Daily)

Date: 2/11/91File: 3356.011Project Phase/Description: mw-40Instrument: OVMBackground: 0.0 ppmLocation: Breathy zone

| <u>Time</u> | <u>Reading</u> | <u>Time</u> | <u>Reading</u> |
|-------------|----------------|-------------|----------------|
| <u>0915</u> | <u>0.0 ppm</u> |             |                |
| <u>1000</u> | <u>0.0 ppm</u> |             |                |
| <u>1145</u> | <u>0.0 ppm</u> |             |                |
| <u>1445</u> | <u>0.0 ppm</u> |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |

ENVIRONMENTAL MONITORING LOG  
(Daily)

Date: 2/10/92File: 3356 011Project Phase/Description: MW-7 MW-7AInstrument: OVMBackground: 0.0 ppm Location: breathing zone

| <u>Time</u>       | <u>Reading</u>                                 | <u>Time</u>       | <u>Reading</u>    |
|-------------------|------------------------------------------------|-------------------|-------------------|
| <u>1300</u>       | <u>0.0 ppm</u>                                 | <u>          </u> | <u>          </u> |
| <u>1430</u>       | <u>0.0 ppm</u>                                 | <u>          </u> | <u>          </u> |
| <u>1445</u>       | <u>0.0 ppm</u>                                 | <u>          </u> | <u>          </u> |
| <u>1515</u>       | <u>0.0 ppm / bench hole</u><br><u>29.9 ppm</u> | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u>                              | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u>                              | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u>                              | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u>                              | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u>                              | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u>                              | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u>                              | <u>          </u> | <u>          </u> |

## ENVIRONMENTAL MONITORING LOG

(Daily)

Date: 2/7/92

File: 3356.011

Project Phase/Description: B-23

Instrument: OVM

Background: 0.0 ppm Location: breathing zone

[illegible]

ENVIRONMENTAL MONITORING LOG  
(Daily)

Date: 2/6/92File: 3356.011Project Phase/Description: B-20Instrument: 0vmBackground: 3.9 ppm Location: breathing zone

| <u>Time</u> | <u>Reading</u> | <u>Time</u> | <u>Reading</u> |
|-------------|----------------|-------------|----------------|
| <u>1025</u> | <u>3.9 ppm</u> |             |                |
| <u>1100</u> | <u>2.5 ppm</u> |             |                |
| <u>1440</u> | <u>4.1 ppm</u> |             |                |
| <u>1500</u> | <u>5.8 ppm</u> |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |

ENVIRONMENTAL MONITORING LOG  
(Daily)

Date: 2/5/92File: 3356.01bProject Phase/Description: B-17

Instrument: \_\_\_\_\_

Background: \_\_\_\_\_ Location: \_\_\_\_\_

| <u>Time</u> | <u>Reading</u> | <u>Time</u> | <u>Reading</u> |
|-------------|----------------|-------------|----------------|
| <u>Now</u>  | <u>0.0 ppm</u> | _____       | _____          |
| <u>1500</u> | <u>0.0 ppm</u> | _____       | _____          |
| _____       | _____          | _____       | _____          |
| _____       | _____          | _____       | _____          |
| _____       | _____          | _____       | _____          |
| _____       | _____          | _____       | _____          |
| _____       | _____          | _____       | _____          |
| _____       | _____          | _____       | _____          |
| _____       | _____          | _____       | _____          |
| _____       | _____          | _____       | _____          |
| _____       | _____          | _____       | _____          |

ENVIRONMENTAL MONITORING LOG  
(Daily)

Date: 2/4/92File: 3356.011Project Phase/Description: B-21

Instrument: \_\_\_\_\_

Background: \_\_\_\_\_ Location: \_\_\_\_\_

| <u>Time</u> | <u>Reading</u> | <u>Time</u> | <u>Reading</u> |
|-------------|----------------|-------------|----------------|
| <u>0810</u> | <u>0.0 ppm</u> | _____       | _____          |
| <u>0900</u> | <u>0.0 ppm</u> | _____       | _____          |
| <u>0930</u> | <u>0.0 ppm</u> | _____       | _____          |
| <u>1230</u> | <u>0.0 ppm</u> | _____       | _____          |
| <u>1300</u> | <u>0.0 ppm</u> | _____       | _____          |
| <u>1310</u> | <u>0.0 ppm</u> | _____       | _____          |
| _____       | _____          | _____       | _____          |
| _____       | _____          | _____       | _____          |
| _____       | _____          | _____       | _____          |
| _____       | _____          | _____       | _____          |

ENVIRONMENTAL MONITORING LOG  
(Daily)

Date: 2/3/92File: 3356.011Project Phase/Description: B-16, B-15Instrument: OVMBackground: 0.0 ppm Location: breathing zone

| <u>Time</u>       | <u>Reading</u>    | <u>Time</u>       | <u>Reading</u>    |
|-------------------|-------------------|-------------------|-------------------|
| <u>1300</u>       | <u>0.0 ppm</u>    | <u>          </u> | <u>          </u> |
| <u>1340</u>       | <u>0.0 ppm</u>    | <u>          </u> | <u>          </u> |
| <u>1445</u>       | <u>0.0 ppm</u>    | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u> |

ENVIRONMENTAL MONITORING LOG  
(Daily)

Date: 1/31/92File: 3356.011Project Phase/Description: B-14Instrument: OVMBackground: 0.0 ppm Location: breathing zone

| <u>Time</u> | <u>Reading</u> | <u>Time</u> | <u>Reading</u> |
|-------------|----------------|-------------|----------------|
| <u>0800</u> | <u>0.0 ppm</u> |             |                |
| <u>0830</u> | <u>45 ppm</u>  |             |                |
| <u>0845</u> | <u>0.5 ppm</u> |             |                |
| <u>1000</u> | <u>0.0 ppm</u> |             |                |
| <u>1100</u> | <u>0.0 ppm</u> |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |

ENVIRONMENTAL MONITORING LOG  
(Daily)

Date: 1/30/92File: 3356.011Project Phase/Description: B-19Instrument: 0vmBackground: 0.0 ppm Location: breathing zone

| <u>Time</u> | <u>Reading</u> | <u>Time</u> | <u>Reading</u> |
|-------------|----------------|-------------|----------------|
| <u>1045</u> | <u>0.0 ppm</u> |             |                |
| <u>1150</u> | <u>0.0 ppm</u> |             |                |
| <u>1310</u> | <u>0.0 ppm</u> |             |                |
| <u>1400</u> | <u>0.0 ppm</u> |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |

ENVIRONMENTAL MONITORING LOG  
(Daily)

Date: 1/24/92File: 3356.011Project Phase/Description: mw-5Instrument: OVNBackground: 0 ppm Location: breathing zone

| <u>Time</u> | <u>Reading</u> | <u>Time</u> | <u>Reading</u> |
|-------------|----------------|-------------|----------------|
| <u>0800</u> | <u>0 ppm</u>   |             |                |
| <u>0900</u> | <u>0 ppm</u>   |             |                |
| <u>0915</u> | <u>1.5 ppm</u> |             |                |
| <u>1000</u> | <u>0 ppm</u>   |             |                |
| <u>1100</u> | <u>0 ppm</u>   |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |
|             |                |             |                |

ENVIRONMENTAL MONITORING LOG  
(Daily)

Date: 1/28/92File: 3356.011Project Phase/Description: B-11 & MW-5Instrument: OVMBackground: 0 ppm Location: breathing zone

| <u>Time</u>          | <u>Reading</u> | <u>Time</u> | <u>Reading</u> |
|----------------------|----------------|-------------|----------------|
| <u>0830</u>          | <u>0 ppm</u>   | <u>1500</u> | <u>0 ppm</u>   |
| <u>0930</u>          | <u>0 ppm</u>   | <u>1700</u> | <u>0 ppm</u>   |
| <u>1015</u>          | <u>0 ppm</u>   |             |                |
| <u>1100</u>          | <u>0 ppm</u>   |             |                |
| <u>1130</u>          | <u>0 ppm</u>   |             |                |
| <u>Moved to MW-5</u> |                |             |                |
| <u>1300</u>          | <u>0 ppm</u>   |             |                |
| <u>1330</u>          | <u>0 ppm</u>   |             |                |
| <u>1345</u>          | <u>0 ppm</u>   |             |                |
| <u>1400</u>          | <u>0 ppm</u>   |             |                |

## ENVIRONMENTAL MONITORING LOG (Daily)

Date: 1/27/92

File: 3356-011

Project Phase/Description: B-12

Instrument: OVM

Background: 0 ppm

Location: breathing zone

Time

## Reading

Time

## Reading

1430

0 PPM

1530

OPPM

ENVIRONMENTAL MONITORING LOG  
(Daily)

Date: 1/23/92File: 338.011Project Phase/Description: MW-3DInstrument: OVMBackground: 0 ppm Location: breathing zone

| <u>Time</u> | <u>Reading</u> | <u>Time</u> | <u>Reading</u> |
|-------------|----------------|-------------|----------------|
| <u>0800</u> | <u>0 ppm</u>   |             |                |
| <u>0900</u> | <u>0 ppm</u>   |             |                |
| <u>1000</u> | <u>0 ppm</u>   |             |                |
| <u>1030</u> | <u>0 ppm</u>   |             |                |
| <u>1130</u> | <u>0 ppm</u>   |             |                |
| <u>1330</u> | <u>0 ppm</u>   |             |                |
| <u>1445</u> | <u>0 ppm</u>   |             |                |
| <u>1530</u> | <u>0 ppm</u>   |             |                |
| <u>1645</u> | <u>0 ppm</u>   |             |                |
|             |                |             |                |

ENVIRONMENTAL MONITORING LOG  
(Daily)

Date: 1/22/92File: 3356.011Project Phase/Description: mw-2DInstrument: 0vmBackground: 0 ppm Location: breathing zone

| <u>Time</u>       | <u>Reading</u>    | <u>Time</u>       | <u>Reading</u>    |
|-------------------|-------------------|-------------------|-------------------|
| <u>0800</u>       | <u>0 ppm</u>      | <u>          </u> | <u>          </u> |
| <u>0900</u>       | <u>0 ppm</u>      | <u>          </u> | <u>          </u> |
| <u>1000</u>       | <u>0 ppm</u>      | <u>          </u> | <u>          </u> |
| <u>1100</u>       | <u>0 ppm</u>      | <u>          </u> | <u>          </u> |
| <u>1200</u>       | <u>0 ppm</u>      | <u>          </u> | <u>          </u> |
| <u>1400</u>       | <u>0 ppm</u>      | <u>          </u> | <u>          </u> |
| <u>1500</u>       | <u>0 ppm</u>      | <u>          </u> | <u>          </u> |
| <u>1600</u>       | <u>0 ppm</u>      | <u>          </u> | <u>          </u> |
| <u>1700</u>       | <u>0 ppm</u>      | <u>          </u> | <u>          </u> |
| <u>          </u> | <u>          </u> | <u>          </u> | <u>          </u> |

## ENVIRONMENTAL MONITORING LOG

(Daily)

Date: 1/20/92

File: 3356.011

Project Phase/Description: mw-2D

Instrument: OVM

Background: 0 ppm

Location: breathing zone  
MW-2D

[illegible]

**APPENDIX D**  
**CHAIN OF CUSTODY FORMS**

Office: O'Brien & Gere Eng.  
Address: 5000 Brittonville Pl  
Syracuse, NY  
Phone: (315) 437-6100

**CHAIN OF CUSTODY**

| CLIENT: <u>ITT Sealtech</u>      |         |      |                            | COLLECTED BY: <u>David E. Branch</u> |                   |                                        |
|----------------------------------|---------|------|----------------------------|--------------------------------------|-------------------|----------------------------------------|
| LOCATION: <u>Mamaronck, N.Y.</u> |         |      |                            | (Signature) <u>David E. Branch</u>   |                   |                                        |
| SAMPLE DESCRIPTION               | Date    | Time | Sample Matrix <sup>1</sup> | Sample Type <sup>2</sup>             | No. of Containers | ANALYSIS REQUESTED                     |
| ✓ B-12 S-2 6'-8'                 | 1/27/92 | 1515 | Soil                       | Grab                                 | 1                 | 6000/7000 4/18.1                       |
| ✓ B-12 S-2 6'-8'                 | 1/27/92 | 1515 | Soil                       | Grab                                 | 2                 | 8010/8020                              |
| B-12 S-3 8'-10'                  | 1/27/92 | 1520 | Soil                       | Grab                                 | 1                 | 6000/7000 4/18.1<br>Semi-volatile DETS |
| B-12 S-3 8'-10'                  | 1/27/92 | 1520 | Soil                       | Grab                                 | 2                 | 8040 ASAP CLP                          |
| ✓ B-12 S-4 10'-14'               | 1/27/92 | 1540 | Soil                       | Comp.                                | 1                 | 6000/7000 4/18.1                       |
| ✓ B-12 S-4 10'-14'               | 1/27/92 | 1540 | Soil                       | Comp.                                | 2                 | 8010/8020                              |
| ✓ B-11 S-3 6'-8'                 | 1/28/92 | 0900 | Soil                       | Grab                                 | 1                 | 6000/7000 4/18.1                       |
| ✓ B-11 S-3 6'-8'                 | 1/28/92 | 0900 | Soil                       | Grab                                 | 2                 | 8010/8020                              |
| ✓ B-11 S-5 10'-12'               | 1/28/92 | 0915 | Soil                       | Grab                                 | 1                 | 6000/7000 4/18.1                       |
| ✓ B-11 S-5 10'-12'               | 1/28/92 | 0915 | Soil                       | Grab                                 | 2                 | 8010/8020                              |
| ✓ B-13 S-2 4'-8'                 | 1/28/92 | 1105 | Soil                       | Comp.                                | 1                 | 6000/7000 4/18.1                       |
| ✓ B-13 S-2 4'-8'                 | 1/28/92 | 1105 | Soil                       | Comp.                                | 2                 | 8010/8020                              |
| ✓ B-13 S-4 10'-12'               | 1/28/92 | 1135 | Soil                       | Grab.                                | 1                 | 6000/7000 4/18.1                       |
| ✓ B-13 S-4 10'-12'               | 1/28/92 | 1135 | Soil                       | Grab.                                | 2                 | 8010/8020                              |

<sup>1</sup> Matrix = water, wastewater, air, sludge, sediment, etc.  
<sup>2</sup> Type = grab, composite

|                                                      |         |      |                                                     |         |       |
|------------------------------------------------------|---------|------|-----------------------------------------------------|---------|-------|
| Relinquished by: <u>David E. Branch</u>              | Date    | Time | Received by: <u>Wendy Smith</u>                     | Date    | Time  |
| of: <u>O'Brien &amp; Gere Eng.</u>                   | 1/27/92 | 1000 | of: <u>OEG Laboratories, Inc.</u>                   | 1/30/92 | 10:00 |
| Relinquished by: _____                               | Date    | Time | Received by: _____                                  | Date    | Time  |
| of: _____                                            |         |      | of: _____                                           |         |       |
| Relinquished by: _____                               | Date    | Time | Received by: _____                                  | Date    | Time  |
| of: _____                                            |         |      | of: _____                                           |         |       |
| Use this space if shipped via courier (e.g., Fed Ex) | Date    | Time | Courier Name                                        | Date    | Time  |
| Relinquished by: _____                               |         |      | Attach delivery/courier receipt to Chain of Custody |         |       |
| of: _____                                            |         |      |                                                     |         |       |
| Relinquished by: _____                               | Date    | Time | Received by: _____                                  | Date    | Time  |
| of: _____                                            |         |      | of: _____                                           |         |       |

September 17, 1995

x O'Brien + Gurne E19.

Address: 5100 Witterfield Pkwy  
Syracuse, N.Y.

№: БИТ) 437-61-0

## CHAIN OF CUSTODY

**LIENT:**

**COLLECTED BY:**

**LOCATION:**

**(Signature)**

[illegible]

<sup>1</sup> Matrix = water, wastewater, air, sludge, sediment, etc.

<sup>2</sup> Type = grab, composite

|                                                                                               |                        |                     |                                                                                                                         |                        |                      |
|-----------------------------------------------------------------------------------------------|------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------|
| Surrendered by: <u>Daniel S. Bunch</u><br><u>1 Bunch &amp; Co. 12/29</u>                      | Date<br><u>1/29/60</u> | Time<br><u>1000</u> | Received by: <u>Wendy Smith</u><br>at: <u>OTIS Laboratories, Inc.</u>                                                   | Date<br><u>1-29-60</u> | Time<br><u>10:00</u> |
| Relinquished by: _____<br><u>2</u>                                                            | Date<br>               | Time<br>            | Received by: _____<br>at: _____                                                                                         | Date<br>               | Time<br>             |
| Relinquished by: _____<br><u>2</u>                                                            | Date<br>               | Time<br>            | Received by: _____<br>at: _____                                                                                         | Date<br>               | Time<br>             |
| Use this space if shipped via carrier (e.g., Fed. Ex.)<br>Relinquished by: _____<br>at: _____ | Date<br>               | Time<br>            | Carrier Name<br>Address<br>City<br>State<br>Zip<br>Attached delivery receipt to be attached to Certificate of Surrender | Date<br>               | Time<br>             |
| Relinquished by: _____<br>at: _____                                                           | Date<br>               | Time<br>            | Received by: _____<br>at: _____                                                                                         | Date<br>               | Time<br>             |



Office: O'Brien & Gere Eng.  
Address: 5000 Brittonfield Pkwy. Syracuse NY.  
Phone: (315) 437.6100

**CHAIN OF CUSTODY**

CLIENT: ITT Seallectro  
LOCATION: Mamaroneck NY.

COLLECTED BY: David E. Broach  
(Signature) David E. Broach

| SAMPLE DESCRIPTION | Date    | Time | Sample Matrix <sup>1</sup> | Sample Type <sup>2</sup> | No. of Containers | ANALYSIS REQUESTED |
|--------------------|---------|------|----------------------------|--------------------------|-------------------|--------------------|
| ✓ B-14 S-3 6'-8'   | 1/31/92 | 0950 | Soil                       | Grab                     | 2                 | 8010 / 8020        |
| ✓ B-14 S-3 6'-8'   | 1/31/92 | 0950 | Soil                       | Grab                     | 1                 | 6000 / 7000 418.1  |
| ✓ B-19 S-3 8'-10'  | 1/30/92 | 1145 | Soil                       | Grab                     | 2                 | 8010 / 8020        |
| ✓ B-19 S-3 8'-10'  | 1/30/92 | 1145 | Soil                       | Grab                     | 1                 | 6000 / 7000 418.1  |
| ✓ B-14 S-6 16'-18' | 1/31/92 | 1015 | Soil                       | Grab                     | 2                 | 8010 / 8020        |
| ✓ B-14 S-6 16'-18' | 1/31/92 | 1015 | Soil                       | Grab                     | 1                 | 6000 / 7000 418.1  |
| ✓ B-19 S-6 18'-20' | 1/30/92 | 1350 | Soil                       | Grab                     | 2                 | 8010 / 8020        |
| ✓ B-19 S-6 18'-20' | 1/30/92 | 1350 | Soil                       | Grab                     | 1                 | 6000 / 7000 418.1  |
|                    |         |      |                            |                          |                   |                    |
|                    |         |      |                            |                          |                   |                    |
|                    |         |      |                            |                          |                   |                    |
|                    |         |      |                            |                          |                   |                    |
|                    |         |      |                            |                          |                   |                    |
|                    |         |      |                            |                          |                   |                    |
|                    |         |      |                            |                          |                   |                    |
|                    |         |      |                            |                          |                   |                    |

<sup>1</sup> Matrix = water, wastewater, air, sludge, sediment, etc.

<sup>2</sup> Type = grab, composite

|                                                           |                |             |                                   |               |              |
|-----------------------------------------------------------|----------------|-------------|-----------------------------------|---------------|--------------|
| Relinquished by: <u>David E. Broach</u>                   | Date           | Time        | Received by: <u>Wendy Smith</u>   | Date          | Time         |
| of: <u>O'Brien &amp; Gere Eng.</u>                        | <u>1/31/92</u> | <u>1100</u> | of: <u>DBG Laboratories, Inc.</u> | <u>7-3-92</u> | <u>07:30</u> |
| Relinquished by: _____                                    | Date           | Time        | Received by: _____                | Date          | Time         |
| of: _____                                                 |                |             | of: _____                         |               |              |
| Relinquished by: _____                                    | Date           | Time        | Received by: _____                | Date          | Time         |
| of: _____                                                 |                |             | of: _____                         |               |              |
| Use this space if shipped in containers (e.g., Pail Etc.) | Date           | Time        | Container No.                     | Date          | Time         |
| Relinquished by: _____                                    |                |             |                                   |               |              |
| of: _____                                                 |                |             |                                   |               |              |
| Relinquished by: _____                                    | Date           | Time        | Received by: _____                | Date          | Time         |
| of: _____                                                 |                |             | of: _____                         |               |              |

Office: O'Brien & Gere

Address: 710 Brittonfield Place, Syracuse NY.

Phone: 315-437-6100

### CHAIN OF CUSTODY

[illegible]

<sup>1</sup> Matrix = water, wastewater, air, sludge, sediment, etc.

<sup>2</sup> Type = grab, composite

|                                                      |               |             |                                  |               |             |
|------------------------------------------------------|---------------|-------------|----------------------------------|---------------|-------------|
| Relinquished by: <u>Daniel S. R...</u>               | Date          | Time        | Received by: <u>Wesley M...</u>  | Date          | Time        |
| of: <u>O'Brien &amp; G...</u>                        | <u>2/1/72</u> | <u>1200</u> | of: <u>ABC Laboratories Inc.</u> | <u>2/6/72</u> | <u>1400</u> |
| Relinquished by: _____                               | Date          | Time        | Received by: _____               | Date          | Time        |
| of: _____                                            |               |             | of: _____                        |               |             |
| Relinquished by: _____                               | Date          | Time        | Received by: _____               | Date          | Time        |
| of: _____                                            |               |             | of: _____                        |               |             |
| Use this space if shipped via courier (e.g., Fed Ex) | Date          | Time        | Courier Name                     | Date          | Time        |
| Relinquished by: _____                               |               |             |                                  |               |             |
| of: _____                                            |               |             |                                  |               |             |
| Relinquished by: _____                               | Date          | Time        | Received by: _____               | Date          | Time        |
| of: _____                                            |               |             | of: _____                        |               |             |



Office: O'Brien & Gere Eng.

Address: 5000 Butterfield Plany Syracuse NY

Phone: 315-437-6100

**CHAIN OF CUSTODY**

| CLIENT: ITT Sealectro |        |      |                            | COLLECTED BY: D.E. Broach       |                   |                                              |  |
|-----------------------|--------|------|----------------------------|---------------------------------|-------------------|----------------------------------------------|--|
| LOCATION: Mamronck NY |        |      |                            | (Signature) <u>D. E. Broach</u> |                   |                                              |  |
| SAMPLE DESCRIPTION    | Date   | Time | Sample Matrix <sup>1</sup> | Sample Type <sup>2</sup>        | No. of Containers | ANALYSIS REQUESTED                           |  |
| ✓ B-16 S-2 2'-4'      | 2/3/92 | 1320 | Soil                       | Grab                            | 2                 | 8010 / 8020                                  |  |
| ✓ B-16 S-2 2'-4'      | 2/3/92 | 1320 | Soil                       | Grab                            | 1                 | 6000 / 7000 418.                             |  |
| ✓ B-16 S-4 10-14      | 2/3/92 | 1400 | Soil                       | Comp.                           | 2                 | 8010 / 8020                                  |  |
| ✓ B-16 S-4 10-14      | 2/3/92 | 1400 | Soil                       | Comp.                           | 1                 | 6000 / 7000 418                              |  |
| ✓ B-21 S-4 6-8        | 2/4/92 | 0905 | Soil                       | Grab                            | 2                 | 8010 / 8020                                  |  |
| ✓ B-21 S-4 6-8        | 2/4/92 | 0905 | Soil                       | Grab                            | 1                 | 6000 / 7000 418                              |  |
| ✓ B-21 S-6 10-12      | 2/4/92 | 0930 | Soil                       | Grab                            | 2                 | 8010 / 8020                                  |  |
| ✓ B-21 S-6 10-12      | 2/4/92 | 0930 | Soil                       | Grab                            | 1                 | 6000 / 7000 418.                             |  |
| ✓ B-15 S-1 0.5-2      | 2/3/92 | 1505 | Soil                       | Grab                            | 2                 | 8010 / 8020                                  |  |
| ✓ B-15 S-1 0.5-2      | 2/3/92 | 1505 | Soil                       | Grab                            | 1                 | 6000 / 7000 418                              |  |
| B-15 S-2 2-6          | 2/3/92 | 1510 | Soil                       | Comp.                           | 2                 | 8240 ACP-CL                                  |  |
| ✓ B-15 S-2 2-6        | 2/3/92 | 1510 | Soil                       | Comp.                           | 1                 | 6000 / 7000 418.1 8010<br>Sem. volatile PETS |  |
| ✓ B-15 S-3 6-8        | 2/3/92 | 1520 | Soil                       | Grab                            | 2                 | 8010 / 8020                                  |  |
| ✓ B-15 S-3 6-8        | 2/3/92 | 1520 | Soil                       | Grab                            | 1                 | 6000 / 7000 418.1                            |  |

<sup>1</sup> Matrix = water, wastewater, air, sludge, sediment, etc.

<sup>2</sup> Type = grab, composite

|                                                    |               |             |                                 |               |             |
|----------------------------------------------------|---------------|-------------|---------------------------------|---------------|-------------|
| Relinquished by: <u>Daniel S. Broach</u>           | Date          | Time        | Received by: <u>Wendy Smith</u> | Date          | Time        |
| of: <u>O'Brien &amp; Gere Inc.</u>                 | <u>2/4/92</u> | <u>1200</u> | of: <u>PHG Laboratories Inc</u> | <u>2/4/92</u> | <u>14:1</u> |
| Relinquished by: _____                             | Date          | Time        | Received by: _____              | Date          | Time        |
| of: _____                                          |               |             | of: _____                       |               |             |
| Relinquished by: _____                             | Date          | Time        | Received by: _____              | Date          | Time        |
| of: _____                                          |               |             | of: _____                       |               |             |
| Use this space if shipped via courier (e.g. FedEx) |               |             | Carrier Name                    |               |             |
| Relinquished by: _____                             |               |             | Date                            |               |             |
| of: _____                                          |               |             | Time                            |               |             |
| Attach delivery/receipt to Chain of Custody        |               |             |                                 |               |             |
| Relinquished by: _____                             | Date          | Time        | Received by: _____              | Date          | Time        |
| of: _____                                          |               |             | of: _____                       |               |             |



**O'BRIEN & GERE**  
ENGINEERS, INC.

Job No. 3356.011

Sheet 1 of 2

Office: O'Brien & Gere Eng.

Address: 5000 Br. Hanfield Pkwy Syracuse N.Y.

Phone: 315-437-6100

### CHAIN OF CUSTODY

CLIENT: ITT Sealedro

LOCATION: Mamaronck N.Y.

COLLECTED BY: D.E. Broach

(Signature) D E Broach

| SAMPLE DESCRIPTION   | Date   | Time | Sample Matrix <sup>1</sup> | Sample Type <sup>2</sup> | No. of Containers | ANALYSIS REQUESTED                                  |
|----------------------|--------|------|----------------------------|--------------------------|-------------------|-----------------------------------------------------|
| ✓ B-20 (0.5-13')     | 2/6/92 | 1500 | Soil                       | Comp.                    | 1                 | 8010/8020                                           |
| ✓ B-20 (0.5-13')     | 2/6/92 | 1500 | Soil                       | Comp.                    | 1                 | 6000/7000 418.1                                     |
| ✓ B-17 S-1 (0'-6')   | 2/5/92 | 1500 | Soil                       | Comp.                    | 1                 | 8010/8020                                           |
| ✓ B-17 S-1 (0'-6')   | 2/5/92 | 1500 | Soil                       | Comp.                    | 1                 | 6000/7000 418.1                                     |
| ✓ B-17 S-2 (6'-8')   | 2/5/92 | 1540 | Soil                       | Grab                     | 1                 | 8010/8020                                           |
| ✓ B-17 S-2 (6'-8')   | 2/5/92 | 1540 | Soil                       | Grab                     | 1                 | 6000/7000 418.1                                     |
| B-17 S-3 (8'-12')    | 2/5/92 | 1550 | Soil                       | Comp.                    | 1                 | 8240 Asp-CLP                                        |
| ✓ B-17 S-3 (8'-12')  | 2/5/92 | 1550 | Soil                       | Comp.                    | 1                 | 6000/7000 418.1 8010/8020 Semivolatile PETS Asp-CLP |
| B-23 S-2 (4'-6')     | 2/7/92 | 0920 | Soil                       | Grab                     | 1                 | 418.1                                               |
| B-23 S-3 (6'-10')    | 2/7/92 | 0942 | Soil                       | Comp.                    | 1                 | 418.1                                               |
| ✓ B-18 S-2 (6'-8')   | 2/7/92 | 1040 | Soil                       | Comp.                    | 1                 | 8010/8020                                           |
| ✓ B-18 S-2 (6'-8')   | 2/7/92 | 1040 | Soil                       | Comp.                    | 2                 | 6000/7000 418.1                                     |
| ✓ B-18 S-4 (12'-14') | 2/7/92 | 1105 | Soil                       | Grab                     | 1                 | 8010/8020                                           |
| ✓ B-18 S-4 (12'-14') | 2/7/92 | 1105 | Soil                       | Grab                     | 2                 | 6000/7000 418.1                                     |

<sup>1</sup> Matrix = water, wastewater, air, sludge, sediment, etc.

<sup>2</sup> Type = grab, composite

|                                                      |        |      |                                   |         |       |
|------------------------------------------------------|--------|------|-----------------------------------|---------|-------|
| Relinquished by: <u>D E Broach</u>                   | Date   | Time | Received by: <u>Wesley Smith</u>  | Date    | Time  |
| of: <u>O'Brien &amp; Gere Eng.</u>                   | 2/7/92 | 1700 | of: <u>ABG Laboratories, Inc.</u> | 2-10-92 | 17:00 |
| Relinquished by: _____                               | Date   | Time | Received by: _____                | Date    | Time  |
| of: _____                                            |        |      | of: _____                         |         |       |
| Relinquished by: _____                               | Date   | Time | Received by: _____                | Date    | Time  |
| of: _____                                            |        |      | of: _____                         |         |       |
| Use this space if shipped via courier (e.g., Fed Ex) | Date   | Time | Courier Name                      | Date    | Time  |
| Relinquished by: _____                               |        |      |                                   |         |       |
| of: _____                                            |        |      |                                   |         |       |
| Relinquished by: _____                               | Date   | Time | Received by: _____                | Date    | Time  |
| of: _____                                            |        |      | of: _____                         |         |       |



**O'BRIEN & GERE**  
ENGINEERS, INC.

Job No. 3356.011  
Sheet 2 of 2

Office: O'Brien & Gere Eng.

Address: 5000 B. Horfield Pkwy Syracuse NY

Phone: 315-437-6100

# CHAIN OF CUSTODY

| CLIENT: <u>IST sealectro</u>    |        |      |                            | COLLECTED BY: <u>D.E. Broach</u>    |                   |                    |  |
|---------------------------------|--------|------|----------------------------|-------------------------------------|-------------------|--------------------|--|
| LOCATION: <u>inamaroneck NY</u> |        |      |                            | (Signature) <u>Donald E. Broach</u> |                   |                    |  |
| SAMPLE DESCRIPTION              | Date   | Time | Sample Matrix <sup>1</sup> | Sample Type <sup>2</sup>            | No. of Containers | ANALYSIS REQUESTED |  |
| B-18 S-5 (6-9)                  | 2/7/92 | 1040 | Soil                       | Grab                                | 1                 | 8010/8020          |  |
| B-18 S-5 (6-8)                  | 2/7/92 | 1040 | Soil                       | Grab                                | 2                 | 6000/7000 419.1    |  |
| Trip Blank                      | -      | -    | -                          | -                                   | -                 | Trip blank         |  |
|                                 |        |      |                            |                                     |                   |                    |  |
|                                 |        |      |                            |                                     |                   |                    |  |
|                                 |        |      |                            |                                     |                   |                    |  |
|                                 |        |      |                            |                                     |                   |                    |  |
|                                 |        |      |                            |                                     |                   |                    |  |
|                                 |        |      |                            |                                     |                   |                    |  |
|                                 |        |      |                            |                                     |                   |                    |  |
|                                 |        |      |                            |                                     |                   |                    |  |
|                                 |        |      |                            |                                     |                   |                    |  |
|                                 |        |      |                            |                                     |                   |                    |  |

<sup>1</sup> Matrix = water, wastewater, air, sludge, sediment, etc.  
<sup>2</sup> Type = grab, composite

|                                                      |               |             |                                    |               |              |
|------------------------------------------------------|---------------|-------------|------------------------------------|---------------|--------------|
| Relinquished by: <u>Donald E. Broach</u>             | Date          | Time        | Received by: <u>Wendy Smith</u>    | Date          | Time         |
| of: <u>O'Brien &amp; Gere Eng.</u>                   | <u>2/7/92</u> | <u>1200</u> | of: <u>O'Brien &amp; Gere Eng.</u> | <u>2/7/92</u> | <u>07:00</u> |
| Relinquished by: _____                               | Date          | Time        | Received by: _____                 | Date          | Time         |
| of: _____                                            |               |             | of: _____                          |               |              |
| Relinquished by: _____                               | Date          | Time        | Received by: _____                 | Date          | Time         |
| of: _____                                            |               |             | of: _____                          |               |              |
| Use this space if shipped via courier (e.g., Fed Ex) |               |             |                                    |               |              |
| Relinquished by: _____                               | Date          | Time        | Received by: _____                 | Date          | Time         |
| of: _____                                            |               |             | of: _____                          |               |              |
| Relinquished by: _____                               | Date          | Time        | Received by: _____                 | Date          | Time         |
| of: _____                                            |               |             | of: _____                          |               |              |

jb/wpc

September 17, 1990



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

## CHAIN OF CUSTODY RECORD

Page 1 of 1

SHIP TO: Nytest Environmental Inc.  
60 Seaview Blvd.  
Port Washington, NY 11050  
(516) 625-5500  
Attn. Mike Brennan

REPORT TO: Client Name O'Brien & Gere Eng.  
Address 5000 Brittonfield Pkwy  
Syracuse NY 13221  
Phone 315-437-6100  
Attn. Peter Bogardus

| Project No.                                      | Project Name                       | Date Shipped        | Carrier           |                    |
|--------------------------------------------------|------------------------------------|---------------------|-------------------|--------------------|
|                                                  | <u>ITT Sealectro maneroneck ny</u> | <u>2/20/92</u>      | <u>Fed. Ex.</u>   |                    |
| Sampler: (Signature)<br><u>Daniel S. Brennan</u> |                                    | Analytical Protocol | Air Bill No.      |                    |
| Sample I.D.                                      | Date/Time Sampled                  | Sample Description  | No. Of Containers | ANALYSIS REQUESTED |
| <u>Field blank</u>                               | <u>2/19/92 1700</u>                | <u>40 ml glass</u>  | <u>2</u>          | <u>8010/8020</u>   |
| <u>Field blank</u>                               | <u>2/19/92 1700</u>                | <u>1 qt glass</u>   | <u>1</u>          | <u>41E.1</u>       |
| <u>Field blank</u>                               | <u>2/19/92 1700</u>                | <u>1 qt plastic</u> | <u>1</u>          | <u>6000/7000</u>   |
| <u>Field blank</u>                               | <u>2/20/92 1700</u>                | <u>40 ml glass</u>  | <u>2</u>          | <u>8010/8020</u>   |
| <u>Field blank</u>                               | <u>2/20/92 1730</u>                | <u>1 qt glass</u>   | <u>1</u>          | <u>41E.1</u>       |
| <u>Field blank</u>                               | <u>2/20/92 1730</u>                | <u>1 qt plastic</u> | <u>1</u>          | <u>6000/7000</u>   |
| <u>Trip blank</u>                                | <u>2/20/92 1730</u>                | <u>40 ml glass</u>  | <u>1</u>          | <u>Trip blank</u>  |
|                                                  |                                    |                     |                   |                    |
|                                                  |                                    |                     |                   |                    |
|                                                  |                                    |                     |                   |                    |
|                                                  |                                    |                     |                   |                    |
|                                                  |                                    |                     |                   |                    |

| Relinquished by (Signature)            | Date / Time         | Rec'd. By (Signature)                  | Date / Time         |
|----------------------------------------|---------------------|----------------------------------------|---------------------|
| <u>Daniel S. Brennan</u>               | <u>2/20/92 1500</u> | <u>Peter Bogardus</u>                  | <u>2/21/92 1:10</u> |
| Print Name<br><u>Daniel S. Brennan</u> |                     | Print Name<br><u>Peter Bogardus</u>    |                     |
| Relinquished by (Signature)            | Date / Time         | Rec'd. by (Signature)                  | Date / Time         |
|                                        |                     |                                        |                     |
| Print Name                             |                     | Print Name                             |                     |
| Relinquished by (Signature)            | Date / Time         | Received for Laboratory by (Signature) | Date / Time         |
|                                        |                     |                                        |                     |
| Print Name                             |                     | Print Name                             |                     |

Special Instructions/Comments



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

## CHAIN OF CUSTODY RECORD

Page 1 of 1

SHIP TO: Nytest Environmental Inc.  
60 Seaview Blvd.  
Port Washington, NY 11050  
(516) 625-5500  
Attn: Mike Brennan

REPORT TO: Client Name O'Brien & Gere Eng.  
Address 5000 Brittonfield Pkwy  
Syracuse NY 13221  
Phone 315-437-6100  
Attn Peter Bogardus

| Project No.                                   | Project Name              | Date Shipped                | Carrier                                 |
|-----------------------------------------------|---------------------------|-----------------------------|-----------------------------------------|
|                                               | IT Sealectro mamaronck NY | 2/21/92                     |                                         |
| Sampler: (Signature)<br>David S. Brock        |                           | Analytical Protocol         | Cooler No.                              |
| Sample I.D.                                   | Date/Time Sampled         | Sample Description          | No. Of Containers                       |
| SS-1                                          | 2/21/92 0930              | 40 ml glass                 | 2                                       |
| SS-1                                          | 2/21/92 0930              | 8 oz glass                  | 1                                       |
| SS-2                                          | 2/21/92 1000              | 40 ml glass                 | 2                                       |
| SS-2                                          | 2/21/92 1000              | 8 oz glass                  | 1                                       |
| SS-3                                          | 2/21/92 1015              | 40 ml glass                 | 2                                       |
| SS-3                                          | 2/21/92 1015              | 8 oz glass                  | 1                                       |
| SS-4                                          | 2/21/92 1000              | 40 ml glass                 | 2                                       |
| SS-4                                          | 2/21/92 1000              | 8 oz glass                  | 1                                       |
| MS/MSD                                        | 2/21/92 0930              | 40 ml glass                 | 2                                       |
| MS/MSD                                        | 2/21/92 0930              | 8 oz glass                  | 1                                       |
| Field blank                                   | 2/21/92 1100              | 40 ml glass                 | 2                                       |
| Field blank                                   | 2/21/92 1100              | 1 qt glass                  | 1                                       |
| Relinquished by (Signature)<br>David S. Brock |                           | Date / Time<br>2/21/92 1100 | Rec'd. by (Signature)<br>Peter Bogardus |
| Print Name<br>David S. Brock                  |                           |                             | Print Name<br>Peter Bogardus            |
| Relinquished by (Signature)                   |                           | Date / Time                 | Rec'd. by (Signature)                   |
| Print Name                                    |                           |                             | Print Name                              |
| Relinquished by (Signature)                   |                           | Date / Time                 | Received for Laboratory by (Signature)  |
| Print Name                                    |                           |                             | Print Name                              |

Special Instructions/Comments

nytest environmental inc

## CHAIN OF CUSTODY RECORD

Page 2 of 2

SHIP TO: Nytest Environmental Inc.  
60 Seaview Blvd.  
Port Washington, NY 11050  
(516) 625-5500  
Attn. Melice Breen

REPORT TO: Client Name O'Brien & Gere Eng.  
Address 5000 Br. Hanfield pkwy.  
Syracuse NY 1321  
Phone 315-437-6100  
Attn. Peter Pogendorf

[illegible]

**Special Instructions/Comments.**



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

## CHAIN OF CUSTODY RECORD

Page 1 of 2

SHIP TO: Nytest Environmental Inc.  
60 Seaview Blvd.  
Port Washington, NY 11050  
(516) 625-5500  
Attn. \_\_\_\_\_

REPORT TO: Client Name O'Brien & Gere Eng.  
Address 5000 Br. Hanfield Pkwy  
Syracuse NY 13221  
Phone 315-437-6100  
Attn. Peter Bugardus 3356.011

| Project No.                                           | Project Name             | Date Shipped                       | Carrier                                        |                                    |
|-------------------------------------------------------|--------------------------|------------------------------------|------------------------------------------------|------------------------------------|
|                                                       | ITT Sealco Macarneck NY. | 2/20/92                            | Fed Ex.                                        |                                    |
| Sampler: (Signature)<br><u>David E. Broach</u>        |                          | Analytical Protocol                | Air Bill No.                                   |                                    |
| Cooler No.                                            |                          |                                    |                                                |                                    |
| Sample I.D.                                           | Date/Time Sampled        | Sample Description                 | No. Of Containers                              | ANALYSIS REQUESTED                 |
| MW-2                                                  | 2/19/92 1230             | 40 ml glass                        | 2                                              | 8010/8020                          |
| MW-2                                                  | 2/19/92 1230             | 1 qt glass                         | 1                                              | 419.1                              |
| MW-2                                                  | 2/19/92 1230             | 1 qt plastic                       | 2                                              | 6000/7000 (one bottle Filtered)    |
| MW-2D                                                 | 2/19/92 1030             | 40 ml glass                        | 2                                              | 8010/8020                          |
| MW-2D                                                 | 2/19/92 1030             | 1 qt glass                         | 1                                              | 419.1                              |
| MW-2D                                                 | 2/19/92 1030             | 1 qt plastic                       | 2                                              | 6000/7000 (one bottle Filtered)    |
| MW-3                                                  | 2/19/92 1530             | 40 ml glass                        | 2                                              | 8010/8020                          |
| MW-3                                                  | 2/19/92 1510             | 1 qt glass                         | 1                                              | 419.1                              |
| MW-3                                                  | 2/19/92 1510             | 1 qt plastic                       | 2                                              | 6000/7000 (one bottle Filtered)    |
| MW-3D                                                 | 2/19/92 1415             | 40 ml glass                        | 2                                              | 8010/8020                          |
| MW-3D                                                 | 2/19/92 1415             | 1 qt glass                         | 1                                              | 419.1                              |
| MW-3D                                                 | 2/19/92 1415             | 1 qt plastic                       | 2                                              | 6000/7000 (one bottle Filtered)    |
| Relinquished by (Signature)<br><u>David E. Broach</u> |                          | Date / Time<br><u>2/19/92 1310</u> | Rec'd. By (Signature)<br><u>Peter Bugardus</u> | Date / Time<br><u>2/21/92 1110</u> |
| Print Name<br><u>David E. Broach</u>                  |                          |                                    | Print Name<br><u>Peter Bugardus</u>            |                                    |
| Relinquished by (Signature)                           |                          | Date / Time                        | Rec'd. by (Signature)                          | Date / Time                        |
| Print Name                                            |                          |                                    | Print Name                                     |                                    |
| Relinquished by (Signature)                           |                          | Date / Time                        | Received for Laboratory by (Signature)         | Date / Time                        |
| Print Name                                            |                          |                                    | Print Name                                     |                                    |

Special Instructions/Comments

nytest environmental inc

## CHAIN OF CUSTODY RECORD

Page 2 of 2

SHIP TO: Nytest Environmental Inc.  
60 Seaview Blvd.  
Port Washington, NY 11050  
(516) 625-5500  
Attn: Mike Brennan

REPORT TO: Client Name O'Brien & Gere, Eng.  
Address 5000 R. Hanfield Pkwy  
Syracuse NY 13221  
Phone 315-437-6100  
Attn. Patu Bigerdu

[illegible]**Special Instructions/Comments**



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

## CHAIN OF CUSTODY RECORD

Page 1 of 2

SHIP TO: Nytest Environmental Inc.  
60 Seaview Blvd.  
Port Washington, NY 11050  
(516) 625-5500  
Attn. Mike Brenner

REPORT TO: Client Name O'Brien & Gere Eng.  
Address 5000 Brittonfield Pkwy  
Syracuse NY 13221  
Phone 315-437-6100  
Attn. Peter Bogardus

3356.011

| Project No.                                        | Project Name                       | Date Shipped                       | Carrier                                        |                                        |
|----------------------------------------------------|------------------------------------|------------------------------------|------------------------------------------------|----------------------------------------|
|                                                    | <u>IST sealectro mamaroneck ny</u> | <u>2/20/92</u>                     | <u>Fed Ex</u>                                  |                                        |
| Sampler: (Signature)<br><u>D. E. Broeck</u>        |                                    | Analytical Protocol                | Cooler No.                                     |                                        |
| Sample I.D.                                        | Date/Time Sampled                  | Sample Description                 | No. Of Containers                              | ANALYSIS REQUESTED                     |
| MW-10                                              | <u>2/19/92 1030</u>                | <u>40 ml glass</u>                 | <u>2</u>                                       | <u>5010/5020</u>                       |
| MW-10                                              | <u>2/19/92 1030</u>                | <u>1 qt glass</u>                  | <u>1</u>                                       | <u>419.1</u>                           |
| MW-10                                              | <u>2/19/92 1030</u>                | <u>1 qt plastic</u>                | <u>2</u>                                       | <u>6000/7000 (one bottle Filtered)</u> |
| SW-1                                               | <u>2/20/92 1050</u>                | <u>40 ml glass</u>                 | <u>2</u>                                       | <u>5010/5020</u>                       |
| SW-1                                               | <u>2/20/92 1050</u>                | <u>1 qt glass</u>                  | <u>1</u>                                       | <u>419.1</u>                           |
| SW-1                                               | <u>2/20/92 1050</u>                | <u>1 qt plastic</u>                | <u>2</u>                                       | <u>6000/7000 (one bottle Filtered)</u> |
| SW-2                                               | <u>2/20/92 1115</u>                | <u>40 ml glass</u>                 | <u>2</u>                                       | <u>5010/5020</u>                       |
| SW-2                                               | <u>2/20/92 1115</u>                | <u>1 qt glass</u>                  | <u>1</u>                                       | <u>419.1</u>                           |
| SW-2                                               | <u>2/20/92 1115</u>                | <u>1 qt plastic</u>                | <u>2</u>                                       | <u>6000/7000 (one bottle Filtered)</u> |
| SW-3                                               | <u>2/20/92 1130</u>                | <u>40 ml glass</u>                 | <u>2</u>                                       | <u>5010/5020</u>                       |
| SW-3                                               | <u>2/20/92 1130</u>                | <u>1 qt glass</u>                  | <u>1</u>                                       | <u>419.1</u>                           |
| SW-3                                               | <u>2/20/92 1130</u>                | <u>1 qt plastic</u>                | <u>2</u>                                       | <u>6000/7000 (one bottle Filtered)</u> |
| Relinquished by (Signature)<br><u>D. E. Broeck</u> |                                    | Date / Time<br><u>2/20/92 1500</u> | Rec'd. By (Signature)<br><u>Peter Bogardus</u> |                                        |
| Print Name<br><u>D. E. Broeck</u>                  |                                    | Date / Time<br><u>2/20/92 1315</u> | Print Name<br><u>Peter Bogardus</u>            |                                        |
| Relinquished by (Signature)                        |                                    | Date / Time                        | Rec'd. by (Signature)                          |                                        |
| Print Name                                         |                                    | Date / Time                        | Print Name                                     |                                        |
| Relinquished by (Signature)                        |                                    | Date / Time                        | Received for Laboratory by (Signature)         |                                        |
| Print Name                                         |                                    | Date / Time                        | Print Name                                     |                                        |

Special Instructions/Comments



## CHAIN OF CUSTODY RECORD

Page 2 of 2

REPORT TO: Client Name O'Brien + Gere Eng  
Address 5000 Br. Henfield Pkwy  
Syracuse NY 13224  
Phone 315-437-6100  
Attn: Peter Bugardus

[illegible]**Special Instructions/Comments**

**Client Retains Yellow Copy Only**



## CHAIN OF CUSTODY RECORD

Page 2 of 2

REPORT TO: Client Name O'Brien & Gere

Address 5000 Br. Hawthold Pkwy

Syrphoctonus 617

Phone 315-477-6100

Attn. D. Burger

**Special Instructions/Comments** \_\_\_\_\_



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

## CHAIN OF CUSTODY RECORD

Page 1 of 2

SHIP TO: Nytest Environmental Inc.  
60 Seaview Blvd.  
Port Washington, NY 11050  
(516) 625-5500  
Attn. Mike Brennan

REPORT TO: Client Name O'Brien & Gere Eng.  
Address 5000 Britton Field Pkwy  
Syracuse NY  
Phone (315) 476-6000 437-6100  
Attn. Peter Ragerdus

| Project No.                             | Project Name               | Date Shipped        | Carrier           |                    |
|-----------------------------------------|----------------------------|---------------------|-------------------|--------------------|
|                                         | <u>ITT Selected</u>        | <u>4/17/92</u>      | <u>Fed Ex</u>     |                    |
| Sampler: (Signature) <u>[Signature]</u> |                            | Analytical Protocol | Cooler No.        |                    |
| Sample I.D.                             | Date/Time Sampled          | Sample Description  | No. Of Containers | ANALYSIS REQUESTED |
| <u>mw-2</u>                             | <u>4/15/92</u> <u>1425</u> | <u>40 ml glass</u>  | <u>2</u>          | <u>VOA</u>         |
| <u>mw-2 D</u>                           | <u>4/15/92</u> <u>1400</u> | <u>" " "</u>        | <u>2</u>          | <u>VOA</u>         |
| <u>mw-3</u>                             | <u>4/15/92</u> <u>1545</u> | <u>" " "</u>        | <u>2</u>          | <u>VOA</u>         |
| <u>mw-3 D</u>                           | <u>4/15/92</u> <u>1515</u> | <u>" " "</u>        | <u>2</u>          | <u>VOA</u>         |
| <u>mw-4</u>                             | <u>4/16/92</u> <u>0900</u> | <u>" " "</u>        | <u>2</u>          | <u>VOA</u>         |
| <u>mw-4 D</u>                           | <u>4/16/92</u> <u>0930</u> | <u>" " "</u>        | <u>2</u>          | <u>VOA</u>         |
| <u>mw-10</u>                            | <u>4/15/92</u> <u>1515</u> | <u>" " "</u>        | <u>2</u>          | <u>VOA</u>         |
| <u>mw-1</u>                             | <u>4/16/92</u> <u>1500</u> | <u>" " "</u>        | <u>2</u>          | <u>VOA</u>         |
| <u>sw-2</u>                             | <u>4/16/92</u> <u>1515</u> | <u>" " "</u>        | <u>2</u>          | <u>VOA</u>         |
| <u>sw-3</u>                             | <u>4/16/92</u> <u>1535</u> | <u>" " "</u>        | <u>2</u>          | <u>VOA</u>         |
| <u>ss-1</u>                             | <u>4/16/92</u> <u>1505</u> | <u>" " "</u>        | <u>2</u>          | <u>VOA</u>         |
| <u>ss-2</u>                             | <u>4/16/92</u> <u>1500</u> | <u>" " "</u>        | <u>2</u>          | <u>VOA</u>         |

| Relinquished by (Signature) | Date / Time                | Rec'd. By (Signature)                  | Date / Time |
|-----------------------------|----------------------------|----------------------------------------|-------------|
| <u>[Signature]</u>          | <u>4/17/92</u> <u>0500</u> |                                        |             |
| Print Name                  |                            | Print Name                             |             |
| Relinquished by (Signature) | Date / Time                | Rec'd. by (Signature)                  | Date / Time |
|                             |                            |                                        |             |
| Print Name                  |                            | Print Name                             |             |
| Relinquished by (Signature) | Date / Time                | Received for Laboratory by (Signature) | Date / Time |
|                             |                            |                                        |             |
| Print Name                  |                            | Print Name                             |             |

Special Instructions/Comments

Client Retains Yellow Copy Only



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

## CHAIN OF CUSTODY RECORD

Page 2 of 2

SHIP TO: Nytest Environmental Inc.  
60 Seaview Blvd.  
Port Washington, NY 11050  
(516) 625-5500  
Attn: Mike Brennan

REPORT TO: Client Name Prinagere  
Address 5000 Br. Hanfield Pkwy  
Syracuse NY 13221  
Phone 315-437-6100  
Attn: Peter Bigardus

| Project No.          |                   | Project Name |                     | Date Shipped      |                    | Carrier |            |  |
|----------------------|-------------------|--------------|---------------------|-------------------|--------------------|---------|------------|--|
| Sampler: (Signature) |                   |              | Analytical Protocol |                   | Air Bill No.       |         | Cooler No. |  |
| Sample I.D.          | Date/Time Sampled |              | Sample Description  | No. Of Containers | ANALYSIS REQUESTED |         |            |  |
| SS-3                 | 4/16/92           | 1540         | 40 ml glass         | 2                 | VOA                |         |            |  |
| SS-4                 | 4/16/92           | 1500         | .. ..               | 2                 | VOA                |         |            |  |
| Top blank            | 4/14/92           | -            | .. ..               | 1                 | VOA                |         |            |  |
| Field blank          | 4/16/92           | 1645         | .. ..               | 2                 | VOA                |         |            |  |
| SW-1                 | 4/16/92           | 1500         | 1 qt Plastic        | 1                 | metals             |         |            |  |
| SW-1                 | 4/16/92           | 1500         | 1 pt Plastic        | 1                 | CN                 |         |            |  |
| SW-1                 | 4/16/92           | 1500         | 1 qt glass          | 1                 | TPHC               |         |            |  |
| SW-2                 | 4/16/92           | 1515         | 1 qt Plastic        | 1                 | metals             |         |            |  |
| SW-2                 | 4/16/92           | 1515         | 1 pt Plastic        | 1                 | CN                 |         |            |  |
| SW-2                 | 4/16/92           | 1515         | 1 qt glass          | 1                 | TPHC               |         |            |  |
| SW-3                 | 4/16/92           | 1535         | 1 qt Plastic        | 1                 | metals             |         |            |  |
| SW-3                 | 4/16/92           | 1535         | 1 pt Plastic        | 1                 | CN                 |         |            |  |

| Relinquished by (Signature) | Date / Time   | Rec'd. By (Signature)                  | Date / Time |
|-----------------------------|---------------|----------------------------------------|-------------|
| <u>Mike Brennan</u>         | 4/17/92 05:00 |                                        |             |
| Print Name                  |               | Print Name                             |             |
| Relinquished by (Signature) | Date / Time   | Rec'd. by (Signature)                  | Date / Time |
|                             |               |                                        |             |
| Print Name                  |               | Print Name                             |             |
| Relinquished by (Signature) | Date / Time   | Received for Laboratory by (Signature) | Date / Time |
|                             |               |                                        |             |
| Print Name                  |               | Print Name                             |             |

Special Instructions/Comments



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

## CHAIN OF CUSTODY RECORD

Page 1 of 2

SHIP TO: Nytest Environmental Inc.  
60 Seaview Blvd.  
Port Washington, NY 11050  
(516) 625-5500  
Attn: Nike Brennan

REPORT TO: Client Name O'Brien & Gere  
Address 5000 B. Horfield Pkwy  
Syracuse NY  
Phone 315-437-6100  
Attn: Peter Bagdady

| Project No.                                          | Project Name<br><u>ITT Sealco</u> |                                      | Date Shipped<br><u>4/17/92</u>         | Carrier<br><u>Fed Ex</u> |
|------------------------------------------------------|-----------------------------------|--------------------------------------|----------------------------------------|--------------------------|
| Sampler: (Signature)<br><u>Daniel S. D...</u>        |                                   | Analytical Protocol                  | Air Bill No.                           | Cooler No.               |
| Sample I.D.                                          | Date/Time Sampled                 | Sample Description                   | No. Of Containers                      | ANALYSIS REQUESTED       |
| MW-4                                                 | 4/14/92 0900                      | 1 pt Plastic                         | 2                                      | <del>metals</del> CN     |
| MW-4                                                 | 4/14/92 0900                      | 1 qt Plastic                         | 2                                      | metals                   |
| MW-4D                                                | 4/14/92 0930                      | 1 pt Plastic                         | 2                                      | CN                       |
| MW-4D                                                | 4/14/92 0930                      | 1 qt Plastic                         | 2                                      | metals                   |
| MW-10                                                | 4/14/92 1345                      | 1 qt Plastic                         | 1                                      | metals                   |
| MW-10                                                | 4/15/92 1515                      | 1 qt Plastic                         | 1                                      | metals                   |
| MW-10                                                | 4/16/92 1345                      | 1 pt Plastic                         | 1                                      | CN                       |
| MW-10                                                | 4/15/92 1512                      | 1 pt Plastic                         | 1                                      | CN                       |
| SS-1                                                 | 4/16/92 1535                      | <sup>502</sup> <del>1 pt</del> glass | 1                                      | metals, CN, TPHC, PCTS   |
| SS-2                                                 | 4/16/92 1500                      | <sup>502</sup> <del>1 pt</del> glass | 1                                      | metals, CN, TPHC, PCTS   |
| SS-3                                                 | 4/16/92 1540                      | 502 glass                            | 1                                      | metals, CN, TPHC, PCTS   |
| SS-4                                                 | 4/16/92 1500                      | 502 glass                            | 1                                      | metals CN TPHC PCTS      |
| Relinquished by (Signature)<br><u>Daniel S. D...</u> |                                   | Date / Time<br><u>4/17/92 0800</u>   | Rec'd. By (Signature)                  | Date / Time              |
| Print Name                                           |                                   |                                      | Print Name                             |                          |
| Relinquished by (Signature)                          |                                   | Date / Time                          | Rec'd. by (Signature)                  | Date / Time              |
| Print Name                                           |                                   |                                      | Print Name                             |                          |
| Relinquished by (Signature)                          |                                   | Date / Time                          | Received for Laboratory by (Signature) | Date / Time              |
| Print Name                                           |                                   |                                      | Print Name                             |                          |

Special Instructions/Comments



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

## CHAIN OF CUSTODY RECORD

Page 2 of 2

SHIP TO: Nytest Environmental Inc.  
60 Seaview Blvd.  
Port Washington, NY 11050  
(516) 625-5500  
Attn: Duke Brennan

REPORT TO: Client Name C'Brien & Gere  
Address 5000 B.C. Highway Pl  
Syracuse NY  
Phone 315-437-6100  
Attn: Pete Bigardus

| Project No.                               | Project Name          | Date Shipped                           | Carrier           |                    |
|-------------------------------------------|-----------------------|----------------------------------------|-------------------|--------------------|
|                                           | <u>LT Segregation</u> | <u>4/17/92</u>                         | <u>Fed Ex</u>     |                    |
| Sampler: (Signature) <u>D. C. Brennan</u> |                       | Analytical Protocol                    | Cooler No.        |                    |
| Sample I.D.                               | Date/Time Sampled     | Sample Description                     | No. Of Containers | ANALYSIS REQUESTED |
| <u>MW-3</u>                               | <u>4/15/92 1545</u>   | <u>1 qt Plastic</u>                    | <u>1</u>          | <u>metals</u>      |
| <u>MW-3</u>                               | <u>4/16/92 1330</u>   | <u>1 qt Plastic</u>                    | <u>1</u>          | <u>metals</u>      |
| <u>MW-3</u>                               | <u>4/15/92 1545</u>   | <u>1 qt glass</u>                      | <u>1</u>          | <u>TPHC</u>        |
| <u>MW-3D</u>                              | <u>4/15/92 1515</u>   | <u>1 qt Plastic</u>                    | <u>1</u>          | <u>metals</u>      |
| <u>MW-3D</u>                              | <u>4/16/92 1345</u>   | <u>1 qt Plastic</u>                    | <u>1</u>          | <u>metals</u>      |
| <u>MW-3D</u>                              | <u>4/15/92 1515</u>   | <u>1 qt Plastic</u>                    | <u>1</u>          | <u>CW</u>          |
| <u>MW-3D</u>                              | <u>4/16/92 1345</u>   | <u>1 qt Plastic</u>                    | <u>1</u>          | <u>CW</u>          |
| <u>MW-3D</u>                              | <u>4/15/92 1515</u>   | <u>1 qt glass</u>                      | <u>1</u>          | <u>TPHC</u>        |
| <u>MW-4</u>                               | <u>4/16/92 0900</u>   | <u>1 qt glass</u>                      | <u>1</u>          | <u>TPHC</u>        |
| <u>MW-4D</u>                              | <u>4/16/92 0930</u>   | <u>1 qt glass</u>                      | <u>1</u>          | <u>TPHC</u>        |
| <u>MW-10</u>                              | <u>4/15/92 1515</u>   | <u>1 qt glass</u>                      | <u>1</u>          | <u>TPHC</u>        |
| <u>MW-3</u>                               | <u>4/16/92 1535</u>   | <u>1 qt glass</u>                      | <u>1</u>          | <u>TPHC</u>        |
| Relinquished by (Signature)               | Date / Time           | Rec'd. By (Signature)                  | Date / Time       |                    |
| Print Name                                |                       | Print Name                             |                   |                    |
| Relinquished by (Signature)               | Date / Time           | Rec'd. by (Signature)                  | Date / Time       |                    |
| Print Name                                |                       | Print Name                             |                   |                    |
| Relinquished by (Signature)               | Date / Time           | Received for Laboratory by (Signature) | Date / Time       |                    |
| Print Name                                |                       | Print Name                             |                   |                    |

Special Instructions/Comments

Client Retains Yellow Copy Only



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc

## CHAIN OF CUSTODY RECORD

Page 1 of 2

SHIP TO: Nytest Environmental Inc.  
60 Seaview Blvd.  
Port Washington, NY 11050  
(516) 625-5500  
Attn: Mike Berman

REPORT TO: Client Name O'Brien & Gere Eng  
Address 5000 Baitingfield Pkwy  
Syracuse NY  
Phone 315 437-6100  
Attn: Pete Bingham

| Project No.                                     | Project Name         | Date Shipped                    | Carrier                                |                    |
|-------------------------------------------------|----------------------|---------------------------------|----------------------------------------|--------------------|
|                                                 | <u>ITS Selection</u> | <u>4/17/92</u>                  | <u>FEI Ex</u>                          |                    |
| Sampler: (Signature) <u>D. S. Berman</u>        |                      | Analytical Protocol             | Cooler No.                             |                    |
| Sample I.D.                                     | Date/Time Sampled    | Sample Description              | No. Of Containers                      | ANALYSIS REQUESTED |
| <u>MW-2</u>                                     | <u>4/15/92 1425</u>  | <u>1 pt Plastic</u>             | <u>1</u>                               | <u>CN</u>          |
| <u>MW-2</u>                                     | <u>4/16/92 1145</u>  | <u>1 pt Plastic</u>             | <u>1</u>                               | <u>CN</u>          |
| <u>MW-2</u>                                     | <u>4/15/92 1425</u>  | <u>1 qt Plastic</u>             | <u>1</u>                               | <u>metals</u>      |
| <u>MW-2</u>                                     | <u>4/16/92 1145</u>  | <u>1 qt Plastic</u>             | <u>1</u>                               | <u>metals</u>      |
| <u>MW-2</u>                                     | <u>4/15/92 1425</u>  | <u>1 qt glass</u>               | <u>1</u>                               | <u>TPHC</u>        |
| <u>MW-2D</u>                                    | <u>4/15/92 1400</u>  | <u>1 pt Plastic</u>             | <u>1</u>                               | <u>CN</u>          |
| <u>MW-2D</u>                                    | <u>4/16/92 1200</u>  | <u>1 pt Plastic</u>             | <u>1</u>                               | <u>CN</u>          |
| <u>MW-2D</u>                                    | <u>4/15/92 1400</u>  | <u>1 qt Plastic</u>             | <u>1</u>                               | <u>metals</u>      |
| <u>MW-2D</u>                                    | <u>4/16/92 1200</u>  | <u>1 qt Plastic</u>             | <u>1</u>                               | <u>metals</u>      |
| <u>MW-2D</u>                                    | <u>4/15/92 1400</u>  | <u>1 qt glass</u>               | <u>1</u>                               | <u>TPHC</u>        |
| <u>MW-3</u>                                     | <u>4/15/92 1545</u>  | <u>1 pt Plastic</u>             | <u>1</u>                               | <u>CN</u>          |
| <u>MW-3</u>                                     | <u>4/16/92 1330</u>  | <u>1 pt Plastic</u>             | <u>1</u>                               | <u>CN</u>          |
| Relinquished by (Signature) <u>D. S. Berman</u> |                      | Date / Time <u>4/17/92 0900</u> | Rec'd. By (Signature)                  |                    |
| Print Name                                      |                      |                                 | Print Name                             |                    |
| Relinquished by (Signature)                     |                      | Date / Time                     | Rec'd. by (Signature)                  |                    |
| Print Name                                      |                      |                                 | Print Name                             |                    |
| Relinquished by (Signature)                     |                      | Date / Time                     | Received for Laboratory by (Signature) |                    |
| Print Name                                      |                      |                                 | Print Name                             |                    |

Special Instructions/Comments

## SAMPLE CONTAINER INVENTORY

ITT

O'Brien + Gere

**Nytest Environmental Inc.**  
**60 Seaview Blvd.**  
**Port Washington, NY 11060**  
**(516) 625-5500**

**Shipped to**

Marriott Courtyards

**Phone**

**Attn.**

Wampanoek N  
David Bruch

CLP

## SHIPMENT CONTENTS

| Shipped |                |                  |                  |          | Received |                    |
|---------|----------------|------------------|------------------|----------|----------|--------------------|
| Matrix  | Test Parameter | Bottle Size/Comp | Preservative     | Quantity | Quantity | Condition/Comments |
| Water   | metals         | 1qt plastic      | HNO <sub>3</sub> | 26       | 13       | 0326601C           |
|         | VOA            | 40ml vials       | —                | 30       | —        | 2 per sample 0327  |
|         | TPHC           | 1qt glass        | HCl              | 15       | —        | 0428001C           |
|         | Cyanide        | 1qt plastic      | NaOH             | 26       | —        |                    |
| Soil    | metals         | TPHC             | CW               | 5oz jar  | —        | 7 0628001C         |
| Soil    | VOA            | 40ml vials       | —                | 14       | —        | 2 per sample 0327  |
| TB      | VOA            | 40ml vials       | —                | 6        | —        | filled w/ DI C     |

Packed by

**Date****Shipped by**

Date \_\_\_\_\_

### Sealing Method

P.A + R.F

4/14

NEI

Received by

Date \_\_\_\_\_

Inspected by

**Date**

### Seal Intact?

**Remarks:**

Colors Ice Coc seals

**APPENDIX E**  
**DATA VALIDATION**

**APPENDIX F**  
**GROUND WATER SAMPLING FIELD LOGS**

# GROUND WATER SAMPLING FIELD LOG

Sample Location ITT Sealectro Well No. mw-2  
Sampled By D.E. Roach Date 2/19/92 Time 1230  
Weather cloudy / Raining 45° Sampled with Bailer        Pump       

## A. WATER TABLE:

Well depth: (below top of casing) 13.67 ft. Well elevation: (top of casing)        ft.  
Depth to water table: (below top of casing) 5.17 ft. Water table elevation:        ft.  
Length of water column (LWC) 8.50 ft.  
Volume of water in well:

2" diameter wells =  $0.163 \times (\text{LWC}) =$  1.39 gallons 4.16  
4" diameter wells =  $0.653 \times (\text{LWC}) =$         gallons  
6" diameter wells =  $1.469 \times (\text{LWC}) =$         gallons

## B. PHYSICAL APPEARANCE AT START:

Color Gray Odor none Turbidity med  
Was an oil film or layer apparent? no film

## C. PREPARATION OF WELL FOR SAMPLING:

Amount of water removed before sampling 5 gallons.  
Did well go dry? no

## D. PHYSICAL APPEARANCE DURING SAMPLING:

Color Gray Odor none Turbidity High  
Was an oil film or layer apparent? no film

E. CONDUCTIVITY 93  $\mu\text{S}$

F. pH 5.6

G. TEMPERATURE 13°c

## H. WELL SAMPLING NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

GROUND WATER SAMPLING FIELD LOG

Sample Location ITT Sealestro Mamaroneck NY Well No. MW-2P  
Sampled By D.E. Broach Date 2/19/92 Time 1030  
Weather Cloudy / Raining 45° Sampled with Bailer X Pump       

A. WATER TABLE:

Well depth: (below top of casing) 42.08 ft. Well elevation: (top of casing)        ft.  
Depth to water table: 7.58' Water table elevation:        ft.  
(below top of casing) 44' ft.  
Length of water column (LWC) 34.5 ft.  
Volume of water in well:

2" diameter wells =  $0.163 \times (\text{LWC}) =$  5.62 gallons 16.87  
4" diameter wells =  $0.653 \times (\text{LWC}) =$         gallons  
6" diameter wells =  $1.469 \times (\text{LWC}) =$         gallons

B. PHYSICAL APPEARANCE AT START:

Color Top-clear / Bottom Gray Odor None Turbidity Top - Low  
Bottom - High  
Was an oil film or layer apparent? No Film

C. PREPARATION OF WELL FOR SAMPLING:

Amount of water removed before sampling 9 gallons.  
Did well go dry? yes

D. PHYSICAL APPEARANCE DURING SAMPLING:

Color Gray Odor None Turbidity High  
Was an oil film or layer apparent? NO Film

E. CONDUCTIVITY 80 us

F. pH 6.7

G. TEMPERATURE 14°c

H. WELL SAMPLING NOTES:

\* Field Dsp Taken Designated MW-10A

# GROUND WATER SAMPLING FIELD LOG

Sample Location ITT Seallectro Well No. MW-3P  
Sampled By D.E. Broach Date 2/19/92 Time 1415  
Weather Cloudy/Raining 45° Sampled with Bailer X Pump       

## A. WATER TABLE:

Well depth: Well elevation:  
(below top of casing) 29.25 ft. (top of casing)        ft.  
Depth to water table: Water table elevation:        ft.  
(below top of casing) 8.38 ft.  
Length of water column (LWC) 20.87 ft.  
Volume of water in well:

2" diameter wells =  $0.163 \times (\text{LWC}) =$  3.40 gallons 10.21  
4" diameter wells =  $0.653 \times (\text{LWC}) =$         gallons  
6" diameter wells =  $1.469 \times (\text{LWC}) =$         gallons

## B. PHYSICAL APPEARANCE AT START:

Color Clear Odor None Turbidity Low  
Was an oil film or layer apparent? NO Film

## C. PREPARATION OF WELL FOR SAMPLING:

Amount of water removed before sampling 12 gallons.  
Did well go dry? NO

## D. PHYSICAL APPEARANCE DURING SAMPLING:

Color Gray Odor None Turbidity High  
Was an oil film or layer apparent? NO Film

E. CONDUCTIVITY 79 NS

F. pH 7.1

G. TEMPERATURE 15°

## H. WELL SAMPLING NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

GROUND WATER SAMPLING FIELD LOG

Sample Location ITT sealectro Well No. MW-3  
Sampled By D.E. Broach Date 2/19/92 Time 1510  
Weather Cloudy 45° Sampled with Bailer X Pump     

A. WATER TABLE:

Well depth: (below top of casing) 14.0 ft. Well elevation: (top of casing)      ft.  
Depth to water table: (below top of casing) 6.75 ft. Water table elevation:      ft.  
Length of water column (LWC) 7.25 ft.  
Volume of water in well:

2" diameter wells =  $0.163 \times (\text{LWC}) =$  1.18 gallons 3.54  
4" diameter wells =  $0.653 \times (\text{LWC}) =$       gallons  
6" diameter wells =  $1.469 \times (\text{LWC}) =$       gallons

B. PHYSICAL APPEARANCE AT START:

Color Clear Odor none Turbidity low  
Was an oil film or layer apparent? no film

C. PREPARATION OF WELL FOR SAMPLING:

Amount of water removed before sampling 3 gallons.  
Did well go dry? yes

D. PHYSICAL APPEARANCE DURING SAMPLING:

Color Gray Odor none Turbidity High  
Was an oil film or layer apparent? no film

E. CONDUCTIVITY 90  $\mu$ S

F. pH 7.1

G. TEMPERATURE 11°

H. WELL SAMPLING NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# GROUND WATER SAMPLING FIELD LOG

Sample Location ITT Seal electro Well No. MW-4  
Sampled By D.F. Broach Date 2/20/92 Time \_\_\_\_\_  
Weather Cloudy 45° Sampled with Bailer X Pump \_\_\_\_\_

## A. WATER TABLE:

Well depth: \_\_\_\_\_ Well elevation: \_\_\_\_\_  
(below top of casing) 13.42 ft. (top of casing) \_\_\_\_\_ ft.  
Depth to water table: \_\_\_\_\_ Water table elevation: \_\_\_\_\_  
(below top of casing) 5.06 ft. \_\_\_\_\_ ft.  
Length of water column (LWC) 8.36 ft.  
Volume of water in well:

2" diameter wells =  $0.163 \times (\text{LWC}) = \underline{1.36}$  gallons 4.09.  
4" diameter wells =  $0.653 \times (\text{LWC}) = \underline{\hspace{2cm}}$  gallons  
6" diameter wells =  $1.469 \times (\text{LWC}) = \underline{\hspace{2cm}}$  gallons

## B. PHYSICAL APPEARANCE AT START:

Color Gray/brown Odor None Turbidity Low  
Was an oil film or layer apparent? no film

## C. PREPARATION OF WELL FOR SAMPLING:

Amount of water removed before sampling 5 gallons.  
Did well go dry? NO

## D. PHYSICAL APPEARANCE DURING SAMPLING:

Color Gray/brown Odor None Turbidity High  
Was an oil film or layer apparent? NO Film

E. CONDUCTIVITY 98

F. pH 7.0

G. TEMPERATURE 12°C

## H. WELL SAMPLING NOTES:

---

---

---

---

---

---

---

---

---

---

# GROUND WATER SAMPLING FIELD LOG

Sample Location ITT Sealectro Well No. mw-4P  
Sampled By D.E. Broach Date 2/20/92 Time 0930  
Weather Cloudy 45 Sampled with Bailer X Pump

## A. WATER TABLE:

Well depth: Well elevation:  
(below top of casing) 39.25 ft. (top of casing)  ft.  
Depth to water table: Water table elevation:  ft.  
(below top of casing) 5.10 ft.  
Length of water column (LWC) 34.15 ft.  
Volume of water in well:

2" diameter wells =  $0.163 \times (\text{LWC}) = \underline{5.57}$  gallons/6.70  
4" diameter wells =  $0.653 \times (\text{LWC}) = \underline{\quad}$  gallons  
6" diameter wells =  $1.469 \times (\text{LWC}) = \underline{\quad}$  gallons

## B. PHYSICAL APPEARANCE AT START:

Color Gray Odor none Turbidity med.  
Was an oil film or layer apparent? no film

## C. PREPARATION OF WELL FOR SAMPLING:

Amount of water removed before sampling 17.5 gallons.  
Did well go dry? no

## D. PHYSICAL APPEARANCE DURING SAMPLING:

Color Gray Odor none Turbidity High  
Was an oil film or layer apparent? no film

E. CONDUCTIVITY 90  $\mu$ S

F. pH 7.2

G. TEMPERATURE 13 $^{\circ}$ C

## H. WELL SAMPLING NOTES:

# GROUND WATER SAMPLING FIELD LOG

Sample Location ITT Sealtech - Newmarket NY Well No. MW-2  
Sampled By D.E. Broach Date 4/15/91 Time 1400  
Weather Clear 68° Sampled with Bailer ☒ Pump ☐

## A. WATER TABLE:

Well depth:  
(below top of casing) 13.75 ft.

Well elevation:  
(top of casing) \_\_\_\_\_ ft.

Depth to water table:  
(below top of casing) 5.74 ft.

Water table elevation: \_\_\_\_\_ ft.

Length of water column (LWC) 8.01 ft.

Volume of water in well:

2" diameter wells =  $0.163 \times (\text{LWC}) =$  1.3 gallons  $\times 3 = 3.9$   
4" diameter wells =  $0.653 \times (\text{LWC}) =$  \_\_\_\_\_ gallons  
6" diameter wells =  $1.469 \times (\text{LWC}) =$  \_\_\_\_\_ gallons

## B. PHYSICAL APPEARANCE AT START:

Color Clear Odor None Turbidity Low

Was an oil film or layer apparent? No

## C. PREPARATION OF WELL FOR SAMPLING:

Amount of water removed before sampling 40 gallons.

Did well go dry? No

## D. PHYSICAL APPEARANCE DURING SAMPLING:

Color Gray Odor None Turbidity High

Was an oil film or layer apparent? No

E. CONDUCTIVITY 90.

F. pH 5.8

G. TEMPERATURE 13°

## H. WELL SAMPLING NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# GROUND WATER SAMPLING FIELD LOG

Sample Location ITT Sealtech - Mammonelect NY Well No. MW-2P  
Sampled By D. E. Branch Date 4/15/92 Time 1400  
Weather Clear 68° Sampled with Bailer ☒ Pump ☐

## A. WATER TABLE:

Well depth:  
(below top of casing) 43.18 ft.

Well elevation:  
(top of casing) \_\_\_\_\_ ft.

Depth to water table:  
(below top of casing) 7.85 ft.

Water table elevation: \_\_\_\_\_ ft.

Length of water column (LWC) 35.33 ft.

Volume of water in well:

2" diameter wells =  $0.163 \times (\text{LWC}) = \underline{5.76}$  gallons  $\times 3 = 17.6$   
4" diameter wells =  $0.653 \times (\text{LWC}) = \underline{\hspace{2cm}}$  gallons  
6" diameter wells =  $1.469 \times (\text{LWC}) = \underline{\hspace{2cm}}$  gallons

## B. PHYSICAL APPEARANCE AT START:

Color Clear Odor none Turbidity Low

Was an oil film or layer apparent? no

## C. PREPARATION OF WELL FOR SAMPLING:

Amount of water removed before sampling 18 gallons.

Did well go dry? No

## D. PHYSICAL APPEARANCE DURING SAMPLING:

Color gray Odor none Turbidity High

Was an oil film or layer apparent? No

E. CONDUCTIVITY 80.45

F. pH 6.9

G. TEMPERATURE 13°C

## H. WELL SAMPLING NOTES:

---

---

---

---

---

---

# GROUND WATER SAMPLING FIELD LOG

Sample Location ITT Sealcoats - Mamaroneck, NY Well No. MW-3  
Sampled By D.E. Broach Date 4/15/92 Time 1545  
Weather clear 68° Sampled with Bailer ☒ Pump ☐

## A. WATER TABLE:

Well depth: (below top of casing) 13.97 ft. Well elevation: (top of casing) \_\_\_\_\_ ft.  
Depth to water table: (below top of casing) 6.78 ft. Water table elevation: \_\_\_\_\_ ft..  
Length of water column (LWC) 7.19 ft.

### Volume of water in well:

2" diameter wells =  $0.163 \times (\text{LWC}) = \underline{1.178}^{\text{po}} \text{ gallons} \times 3 = 3.52$   
4" diameter wells =  $0.653 \times (\text{LWC}) = \underline{\hspace{2cm}} \text{ gallons}$   
6" diameter wells =  $1.469 \times (\text{LWC}) = \underline{\hspace{2cm}} \text{ gallons}$

## B. PHYSICAL APPEARANCE AT START:

Color clear Odor none Turbidity low  
Was an oil film or layer apparent? no

## C. PREPARATION OF WELL FOR SAMPLING:

Amount of water removed before sampling 4 gallons.  
Did well go dry? yes

## D. PHYSICAL APPEARANCE DURING SAMPLING:

Color Brown Odor none Turbidity High  
Was an oil film or layer apparent? no

E. CONDUCTIVITY 90  $\mu$ S

F. pH 7.1

G. TEMPERATURE 12°

## H. WELL SAMPLING NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# GROUND WATER SAMPLING FIELD LOG

Sample Location III Selecto Mammaroneck NY Well No. MW-3P  
Sampled By D.E. Brooch Date 4/15/92 Time 1545  
Weather clear 68° Sampled with Bailer ☒ Pump ☐

## A. WATER TABLE:

Well depth:  
(below top of casing) 29.25 ft.

Well elevation:  
(top of casing) \_\_\_\_\_ ft.

Depth to water table:  
(below top of casing) 8.42 ft.

Water table elevation: \_\_\_\_\_ ft.

Length of water column (LWC) 20.83 ft.

Volume of water in well:

2" diameter wells =  $0.163 \times (\text{LWC}) = \underline{3.39}$  gallons 10.19  
4" diameter wells =  $0.653 \times (\text{LWC}) = \underline{\hspace{2cm}}$  gallons  
6" diameter wells =  $1.469 \times (\text{LWC}) = \underline{\hspace{2cm}}$  gallons

## B. PHYSICAL APPEARANCE AT START:

Color Clear Odor none Turbidity Low

Was an oil film or layer apparent? no

## C. PREPARATION OF WELL FOR SAMPLING:

Amount of water removed before sampling 11 gallons.

Did well go dry? no

## D. PHYSICAL APPEARANCE DURING SAMPLING:

Color Brown Odor no Turbidity Hg/L

Was an oil film or layer apparent? no

E. CONDUCTIVITY 78 mc

F. pH 7.0

G. TEMPERATURE 14°

## H. WELL SAMPLING NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

GROUND WATER SAMPLING FIELD LOG

Sample Location ITT Sealectro Hammeronck NY Well No. MW-4

Sampled By D. E. Broach Date 4/16/82 Time 0900

Weather Cloudy 50° Sampled with Bailer ☒ Pump ☐

A. WATER TABLE:

Well depth: (below top of casing) 13.63 ft. Well elevation: (top of casing) \_\_\_\_\_ ft.

Depth to water table: (below top of casing) 5.05 ft. Water table elevation: \_\_\_\_\_ ft.

Length of water column (LWC) 8.58 ft.

Volume of water in well:

2" diameter wells =  $0.163 \times (\text{LWC}) = \underline{1.40}$  gallons  ~~$\times 20$~~

4" diameter wells =  $0.653 \times (\text{LWC}) = \underline{\hspace{2cm}}$  gallons

6" diameter wells =  $1.469 \times (\text{LWC}) = \underline{\hspace{2cm}}$  gallons

B. PHYSICAL APPEARANCE AT START:

Color Clear Odor None Turbidity Low

Was an oil film or layer apparent? no

C. PREPARATION OF WELL FOR SAMPLING:

Amount of water removed before sampling 6.0 gallons.

Did well go dry? no

D. PHYSICAL APPEARANCE DURING SAMPLING:

Color Brown Odor None Turbidity High

Was an oil film or layer apparent? no

E. CONDUCTIVITY 95  $\mu$ S

F. pH 7.0

G. TEMPERATURE 13°

H. WELL SAMPLING NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# GROUND WATER SAMPLING FIELD LOG

Sample Location ITT Seallectra Memmerson Neck NY Well No. MW #4D  
Sampled By D. E. Bruch Date 4/16/82 Time 0930  
Weather Cloudy 50° Sampled with Bailer        Pump       

## A. WATER TABLE:

Well depth:  
(below top of casing) 39.20 ft.

Well elevation:  
(top of casing)        ft.

Depth to water table:  
(below top of casing) 5.14 ft.

Water table elevation:        ft.

Length of water column (LWC) 34.06 ft.

Volume of water in well:

2" diameter wells =  $0.163 \times (\text{LWC}) = \underline{5.55}$  gallons  $\times 3 = 16.6$   
4" diameter wells =  $0.653 \times (\text{LWC}) = \underline{\hspace{2cm}}$  gallons  
6" diameter wells =  $1.469 \times (\text{LWC}) = \underline{\hspace{2cm}}$  gallons

## B. PHYSICAL APPEARANCE AT START:

Color clear Odor ~~strong~~ none Turbidity Low

Was an oil film or layer apparent? no

## C. PREPARATION OF WELL FOR SAMPLING:

Amount of water removed before sampling 17 gallons.

Did well go dry? no

## D. PHYSICAL APPEARANCE DURING SAMPLING:

Color Brown Odor none Turbidity High

Was an oil film or layer apparent? no

E. CONDUCTIVITY 90  $\mu$ S

F. pH 7.1

G. TEMPERATURE 13°

## H. WELL SAMPLING NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**APPENDIX G**  
**IN-SITU HYDRAULIC CONDUCTIVITY TESTS**

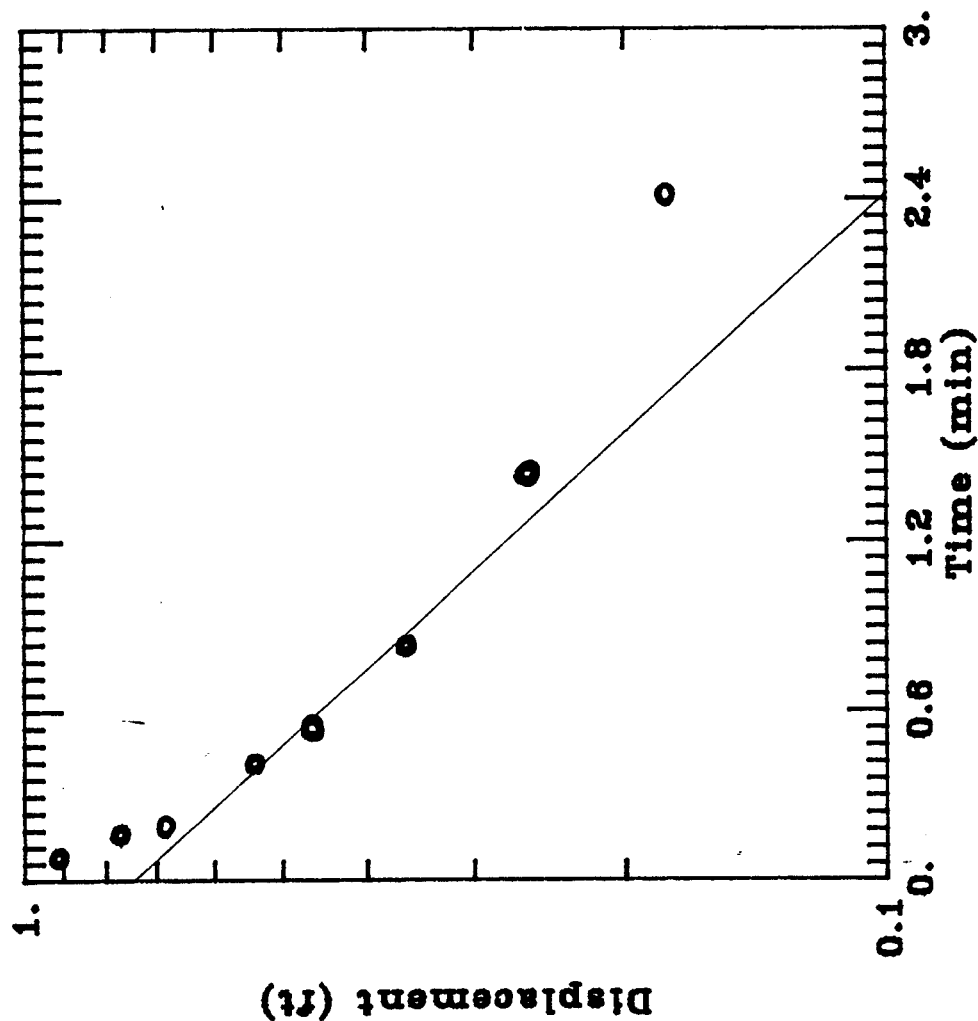
# ITT SEALECTRO MW-2

DATA SET:  
 a: 1ttmw-2a0  
 05/07/92

AQUIFER TYPE:  
 Unconfined  
 SOLUTION METHOD:  
 Bouwer-Rice

ESTIMATED PARAMETERS:  
 $K = 0.0007014 \text{ ft/min}$   
 $y_0 = 0.7471 \text{ ft}$

TEST DATA:  
 $H_0 = 1.157 \text{ ft}$   
 $r_c = 0.083 \text{ ft}$   
 $r_w = 0.3542 \text{ ft}$   
 $L = 7.74 \text{ ft}$   
 $b = 38. \text{ ft}$   
 $H = 7.74 \text{ ft}$



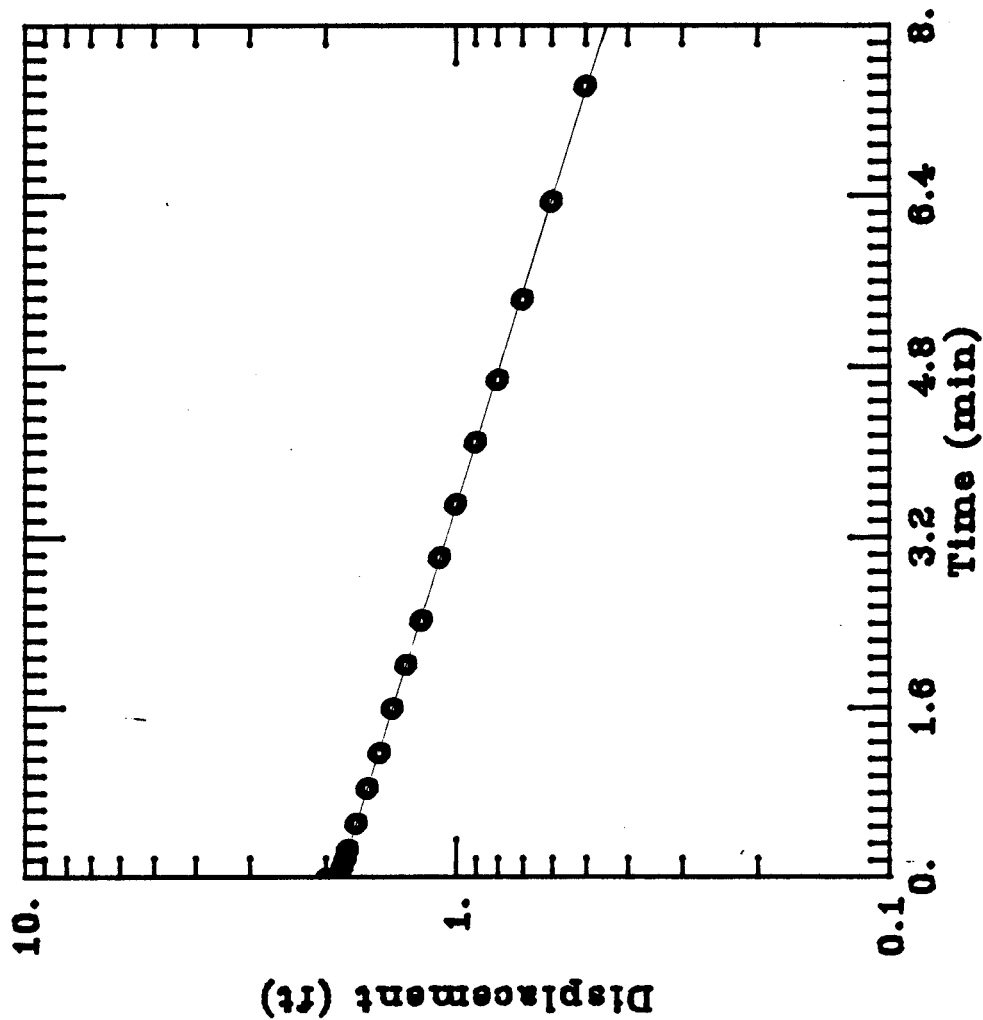
# ITT-SEALECTRO MW-2D

DATA SET:  
B: IITMW2D  
01/04/80

AQUIFER TYPE:  
Unconfined  
SOLUTION METHOD:  
Bouwer-Rice

ESTIMATED PARAMETERS:  
K = 0.0002037 ft/min  
Y0 = 1.833 ft

TEST DATA:  
H0 = 2. ft  
rc = 0.083 ft  
rw = 0.33 ft  
L = 10. ft  
b = 35. ft  
H = 35. ft



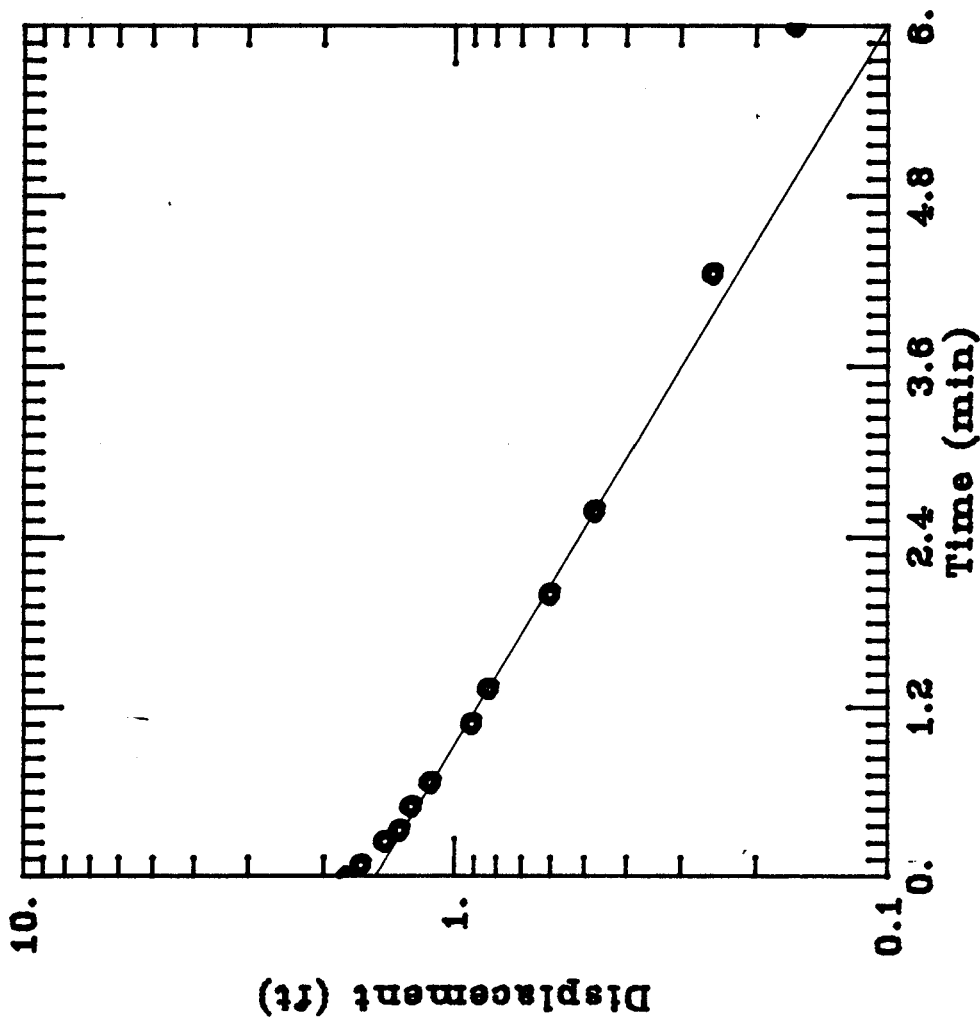
# ITT-SEALECTRO MW-3

DATA SET:  
c:\ttm-3a.dat  
06/03/92

AQUIFER TYPE:  
Unconfined  
SOLUTION METHOD:  
Bouwer-Rice  
OBS. WELL:  
MW-38

ESTIMATED PARAMETERS:  
K = 0.001244 ft/min  
Y0 = 1.522 ft

TEST DATA:  
H0 = 1.77 ft  
rc = 0.1637 ft  
rw = 0.3342 ft  
L = 10. ft  
b = 10. ft  
H = 6. ft



# ITT--SEALECTRO MW--3D

## DATA SET:

A: ITTMW-3D.DAT

06/03/92

## AQUIFER TYPE:

Unconfined

## SOLUTION METHOD:

Bouwer-Rice

## ESTIMATED PARAMETERS:

K = 0.003342 ft/min

Y0 = 0.7021 ft

## TEST DATA:

H0 = 0.95 ft

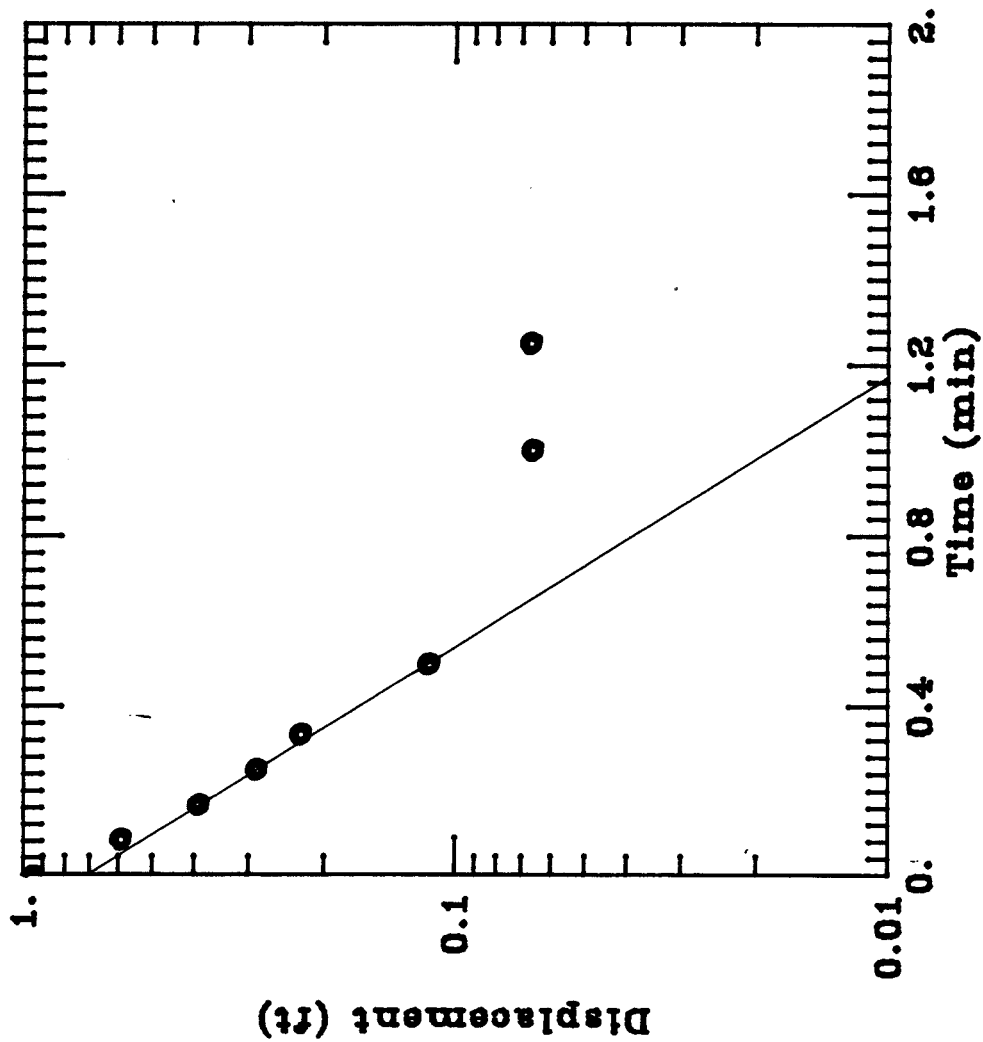
rc = 0.083 ft

rw = 0.3542 ft

L = 10. ft

b = 22. ft

H = 20.58 ft



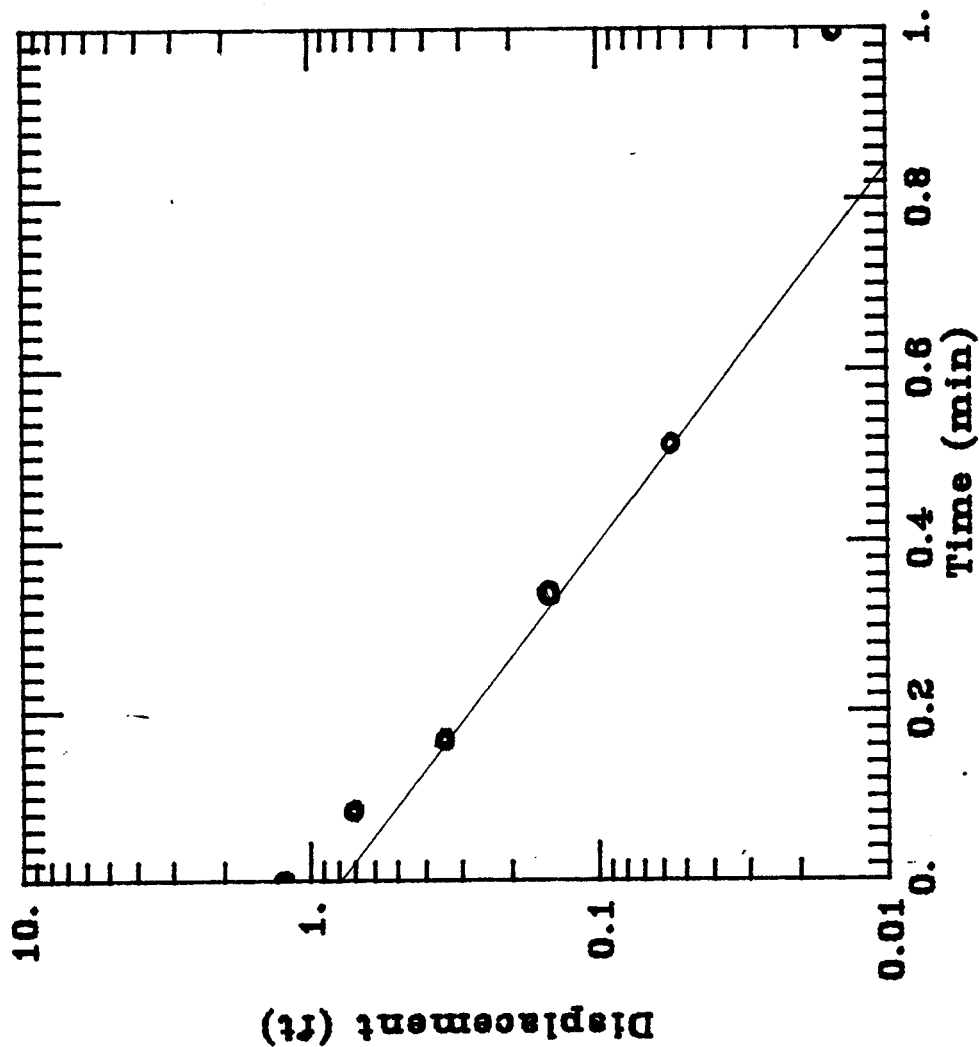
# ITT SEALECTRO MW-4

DATA SET:  
a: 1ttmw-4do  
05/07/92

AQUIFER TYPE:  
Unconfined  
SOLUTION METHOD:  
Bouwer-Rice

ESTIMATED PARAMETERS:  
 $K = 0.004197 \text{ ft/min}$   
 $y_0 = 0.7988 \text{ ft}$

TEST DATA:  
 $H_0 = 1.25 \text{ ft}$   
 $r_c = 0.083 \text{ ft}$   
 $r_w = 0.3542 \text{ ft}$   
 $L = 8.5 \text{ ft}$   
 $b = 37. \text{ ft}$   
 $H = 6.6 \text{ ft}$



# ITT-SEALECTRO MW4D

## DATA SET:

ITTMW4D

01/04/80

## AQUIFER TYPE:

Unconfined

## SOLUTION METHOD:

Bouwer-Rice

## ESTIMATED PARAMETERS:

$K = 0.001718 \text{ ft/min}$

$y_0 = 0.2855 \text{ ft}$

## TEST DATA:

$H_0 = 1.3 \text{ ft}$

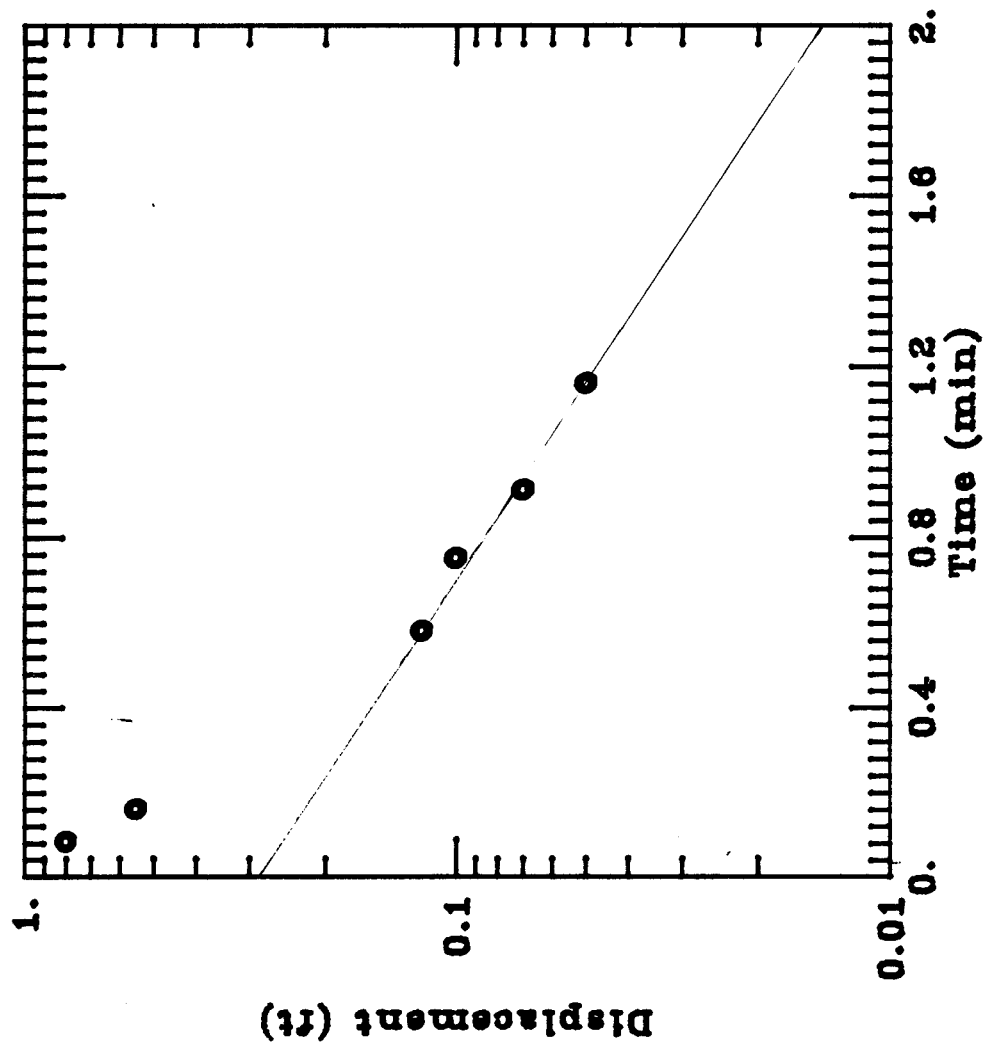
$r_c = 0.083 \text{ ft}$

$r_w = 0.33 \text{ ft}$

$L = 10. \text{ ft}$

$b = 35. \text{ ft}$

$H = 35. \text{ ft}$



APPENDIX G

IN-SITU HYDRAULIC CONDUCTIVITY TESTS

**APPENDIX H**  
**STORM ELEVATION MONITORING DATA**

Date Monday April 27, 1992 9:23 AM  
 PlotFile G:\STORMH01.PRN  
 DataFile B:\STORMH20  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 16-Apr-92 | 15:27:14 | 0.99                               | 189.01 | 7.02                                | 190.22 | 0.00                                | 188.59 | 15.73                               | 191.65 | 8.06                                | 189.85 |
| 16-Apr-92 | 15:42:14 | 1.00                               | 189.02 | 7.02                                | 190.22 | 2.74                                | 191.33 | 15.75                               | 191.67 | 8.05                                | 189.84 |
| 16-Apr-92 | 15:57:14 | 1.00                               | 189.02 | 7.02                                | 190.22 | 2.73                                | 191.32 | 15.76                               | 191.68 | 8.06                                | 189.85 |
| 16-Apr-92 | 16:12:14 | 1.01                               | 189.03 | 7.01                                | 190.21 | 2.71                                | 191.30 | 15.75                               | 191.67 | 8.06                                | 189.85 |
| 16-Apr-92 | 16:27:14 | 1.02                               | 189.04 | 7.01                                | 190.21 | 2.71                                | 191.30 | 15.75                               | 191.67 | 8.06                                | 189.85 |
| 16-Apr-92 | 16:42:14 | 1.03                               | 189.05 | 7.02                                | 190.22 | 2.71                                | 191.30 | 15.76                               | 191.68 | 8.07                                | 189.86 |
| 16-Apr-92 | 16:57:14 | 1.03                               | 189.05 | 7.02                                | 190.22 | 2.72                                | 191.31 | 15.77                               | 191.69 | 8.07                                | 189.86 |
| 16-Apr-92 | 17:12:14 | 1.04                               | 189.06 | 7.03                                | 190.23 | 2.72                                | 191.31 | 15.76                               | 191.68 | 8.07                                | 189.86 |
| 16-Apr-92 | 17:27:14 | 1.06                               | 189.08 | 7.03                                | 190.23 | 2.72                                | 191.31 | 15.76                               | 191.68 | 8.07                                | 189.86 |
| 16-Apr-92 | 17:42:14 | 1.08                               | 189.10 | 7.04                                | 190.24 | 2.72                                | 191.31 | 15.77                               | 191.69 | 8.08                                | 189.87 |
| 16-Apr-92 | 17:57:14 | 1.11                               | 189.13 | 7.05                                | 190.25 | 2.72                                | 191.31 | 15.78                               | 191.70 | 8.08                                | 189.87 |
| 16-Apr-92 | 18:12:14 | 1.14                               | 189.16 | 7.07                                | 190.27 | 2.72                                | 191.31 | 15.78                               | 191.70 | 8.10                                | 189.89 |
| 16-Apr-92 | 18:27:14 | 1.15                               | 189.17 | 7.08                                | 190.28 | 2.73                                | 191.32 | 15.78                               | 191.70 | 8.10                                | 189.89 |
| 16-Apr-92 | 18:42:14 | 1.16                               | 189.18 | 7.09                                | 190.29 | 2.73                                | 191.32 | 15.78                               | 191.70 | 8.11                                | 189.90 |
| 16-Apr-92 | 18:57:14 | 1.16                               | 189.18 | 7.09                                | 190.29 | 2.73                                | 191.32 | 15.79                               | 191.71 | 8.12                                | 189.91 |
| 16-Apr-92 | 19:12:14 | 1.17                               | 189.19 | 7.10                                | 190.30 | 2.73                                | 191.32 | 15.80                               | 191.72 | 8.13                                | 189.92 |
| 16-Apr-92 | 19:27:14 | 1.17                               | 189.19 | 7.10                                | 190.30 | 2.73                                | 191.32 | 15.80                               | 191.72 | 8.12                                | 189.91 |
| 16-Apr-92 | 19:42:14 | 1.17                               | 189.19 | 7.10                                | 190.30 | 2.74                                | 191.33 | 15.81                               | 191.73 | 8.13                                | 189.92 |
| 16-Apr-92 | 19:57:14 | 1.17                               | 189.19 | 7.11                                | 190.31 | 2.74                                | 191.33 | 15.81                               | 191.73 | 8.13                                | 189.92 |
| 16-Apr-92 | 20:12:14 | 1.16                               | 189.18 | 7.10                                | 190.30 | 2.74                                | 191.33 | 15.81                               | 191.73 | 8.13                                | 189.92 |
| 16-Apr-92 | 20:27:14 | 1.15                               | 189.17 | 7.11                                | 190.31 | 2.74                                | 191.33 | 15.81                               | 191.73 | 8.12                                | 189.91 |
| 16-Apr-92 | 20:42:14 | 1.15                               | 189.17 | 7.10                                | 190.30 | 2.74                                | 191.33 | 15.81                               | 191.73 | 8.12                                | 189.91 |
| 16-Apr-92 | 20:57:14 | 1.14                               | 189.16 | 7.09                                | 190.29 | 2.74                                | 191.33 | 15.81                               | 191.73 | 8.12                                | 189.91 |
| 16-Apr-92 | 21:12:14 | 1.15                               | 189.17 | 7.10                                | 190.30 | 2.75                                | 191.34 | 15.81                               | 191.73 | 8.12                                | 189.91 |
| 16-Apr-92 | 21:27:14 | 1.15                               | 189.17 | 7.10                                | 190.30 | 2.74                                | 191.33 | 15.81                               | 191.73 | 8.12                                | 189.91 |
| 16-Apr-92 | 21:42:14 | 1.15                               | 189.17 | 7.11                                | 190.31 | 2.75                                | 191.34 | 15.81                               | 191.73 | 8.13                                | 189.92 |
| 16-Apr-92 | 21:57:14 | 1.16                               | 189.18 | 7.12                                | 190.32 | 2.75                                | 191.34 | 15.82                               | 191.74 | 8.13                                | 189.92 |
| 16-Apr-92 | 22:12:14 | 1.16                               | 189.18 | 7.11                                | 190.31 | 2.75                                | 191.34 | 15.82                               | 191.74 | 8.13                                | 189.92 |
| 16-Apr-92 | 22:27:14 | 1.16                               | 189.18 | 7.12                                | 190.32 | 2.76                                | 191.35 | 15.82                               | 191.74 | 8.13                                | 189.92 |
| 16-Apr-92 | 22:42:14 | 1.17                               | 189.19 | 7.12                                | 190.32 | 2.75                                | 191.34 | 15.83                               | 191.75 | 8.13                                | 189.92 |
| 16-Apr-92 | 22:57:14 | 1.17                               | 189.19 | 7.12                                | 190.32 | 2.76                                | 191.35 | 15.83                               | 191.75 | 8.14                                | 189.93 |
| 16-Apr-92 | 23:12:14 | 1.19                               | 189.21 | 7.13                                | 190.33 | 2.76                                | 191.35 | 15.84                               | 191.76 | 8.15                                | 189.94 |
| 16-Apr-92 | 23:27:14 | 1.18                               | 189.20 | 7.13                                | 190.33 | 2.77                                | 191.36 | 15.84                               | 191.76 | 8.15                                | 189.94 |
| 16-Apr-92 | 23:42:14 | 1.18                               | 189.20 | 7.13                                | 190.33 | 2.77                                | 191.36 | 15.84                               | 191.76 | 8.15                                | 189.94 |
| 16-Apr-92 | 23:57:14 | 1.19                               | 189.21 | 7.13                                | 190.33 | 2.77                                | 191.36 | 15.84                               | 191.76 | 8.15                                | 189.94 |
| 17-Apr-92 | 00:12:14 | 1.20                               | 189.22 | 7.13                                | 190.33 | 2.77                                | 191.36 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 17-Apr-92 | 00:27:14 | 1.19                               | 189.21 | 7.14                                | 190.34 | 2.77                                | 191.36 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 17-Apr-92 | 00:42:14 | 1.20                               | 189.22 | 7.13                                | 190.33 | 2.78                                | 191.37 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 00:57:14 | 1.20                               | 189.22 | 7.15                                | 190.35 | 2.78                                | 191.37 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 01:12:14 | 1.20                               | 189.22 | 7.14                                | 190.34 | 2.78                                | 191.37 | 15.85                               | 191.77 | 8.17                                | 189.96 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PRN  
 DataFile B:\STORMH2O  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 17-Apr-92 | 01:27:14 | 1.20                               | 189.22 | 7.15                                | 190.35 | 2.79                                | 191.38 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 17-Apr-92 | 01:42:14 | 1.20                               | 189.22 | 7.14                                | 190.34 | 2.79                                | 191.38 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 17-Apr-92 | 01:57:14 | 1.21                               | 189.23 | 7.15                                | 190.35 | 2.79                                | 191.38 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 17-Apr-92 | 02:12:14 | 1.21                               | 189.23 | 7.15                                | 190.35 | 2.79                                | 191.38 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 17-Apr-92 | 02:27:14 | 1.21                               | 189.23 | 7.14                                | 190.34 | 2.79                                | 191.38 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 17-Apr-92 | 02:42:14 | 1.21                               | 189.23 | 7.16                                | 190.36 | 2.79                                | 191.38 | 15.87                               | 191.79 | 8.18                                | 189.97 |
| 17-Apr-92 | 02:57:14 | 1.22                               | 189.24 | 7.17                                | 190.37 | 2.80                                | 191.39 | 15.87                               | 191.79 | 8.18                                | 189.97 |
| 17-Apr-92 | 03:12:14 | 1.22                               | 189.24 | 7.16                                | 190.36 | 2.79                                | 191.38 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 17-Apr-92 | 03:27:14 | 1.22                               | 189.24 | 7.16                                | 190.36 | 2.79                                | 191.38 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 17-Apr-92 | 03:42:14 | 1.22                               | 189.24 | 7.18                                | 190.38 | 2.79                                | 191.38 | 15.86                               | 191.78 | 8.18                                | 189.97 |
| 17-Apr-92 | 03:57:14 | 1.22                               | 189.24 | 7.15                                | 190.35 | 2.80                                | 191.39 | 15.87                               | 191.79 | 8.17                                | 189.96 |
| 17-Apr-92 | 04:12:14 | 1.21                               | 189.23 | 7.15                                | 190.35 | 2.80                                | 191.39 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 17-Apr-92 | 04:27:14 | 1.21                               | 189.23 | 7.15                                | 190.35 | 2.80                                | 191.39 | 15.86                               | 191.78 | 8.18                                | 189.97 |
| 17-Apr-92 | 04:42:14 | 1.21                               | 189.23 | 7.16                                | 190.36 | 2.81                                | 191.40 | 15.86                               | 191.78 | 8.18                                | 189.97 |
| 17-Apr-92 | 04:57:14 | 1.21                               | 189.23 | 7.16                                | 190.36 | 2.81                                | 191.40 | 15.87                               | 191.79 | 8.18                                | 189.97 |
| 17-Apr-92 | 05:12:14 | 1.21                               | 189.23 | 7.16                                | 190.36 | 2.82                                | 191.41 | 15.87                               | 191.79 | 8.18                                | 189.97 |
| 17-Apr-92 | 05:27:14 | 1.21                               | 189.23 | 7.15                                | 190.35 | 2.82                                | 191.41 | 15.87                               | 191.79 | 8.18                                | 189.97 |
| 17-Apr-92 | 05:42:14 | 1.21                               | 189.23 | 7.16                                | 190.36 | 2.82                                | 191.41 | 15.87                               | 191.79 | 8.18                                | 189.97 |
| 17-Apr-92 | 05:57:14 | 1.20                               | 189.22 | 7.16                                | 190.36 | 2.82                                | 191.41 | 15.87                               | 191.79 | 8.18                                | 189.97 |
| 17-Apr-92 | 06:12:14 | 1.20                               | 189.22 | 7.16                                | 190.36 | 2.82                                | 191.41 | 15.87                               | 191.79 | 8.18                                | 189.97 |
| 17-Apr-92 | 06:27:14 | 1.20                               | 189.22 | 7.15                                | 190.35 | 2.82                                | 191.41 | 15.87                               | 191.79 | 8.17                                | 189.96 |
| 17-Apr-92 | 06:42:14 | 1.20                               | 189.22 | 7.16                                | 190.36 | 2.82                                | 191.41 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 17-Apr-92 | 06:57:14 | 1.20                               | 189.22 | 7.16                                | 190.36 | 2.82                                | 191.41 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 17-Apr-92 | 07:12:14 | 1.19                               | 189.21 | 7.15                                | 190.35 | 2.82                                | 191.41 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 17-Apr-92 | 07:27:14 | 1.20                               | 189.22 | 7.16                                | 190.36 | 2.82                                | 191.41 | 15.86                               | 191.77 | 8.17                                | 189.96 |
| 17-Apr-92 | 07:42:14 | 1.19                               | 189.21 | 7.15                                | 190.35 | 2.82                                | 191.41 | 15.86                               | 191.77 | 8.17                                | 189.96 |
| 17-Apr-92 | 07:57:14 | 1.19                               | 189.21 | 7.14                                | 190.34 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 08:12:14 | 1.19                               | 189.21 | 7.16                                | 190.36 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 08:27:14 | 1.19                               | 189.21 | 7.14                                | 190.34 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.17                                | 189.96 |
| 17-Apr-92 | 08:42:14 | 1.19                               | 189.21 | 7.15                                | 190.35 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 08:57:14 | 1.19                               | 189.21 | 7.14                                | 190.34 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 09:12:14 | 1.18                               | 189.20 | 7.14                                | 190.34 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 09:27:14 | 1.19                               | 189.21 | 7.14                                | 190.34 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.15                                | 189.94 |
| 17-Apr-92 | 09:42:14 | 1.19                               | 189.21 | 7.15                                | 190.35 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 09:57:14 | 1.18                               | 189.20 | 7.15                                | 190.35 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 10:12:14 | 1.17                               | 189.19 | 7.15                                | 190.35 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 10:27:14 | 1.18                               | 189.20 | 7.14                                | 190.34 | 2.80                                | 191.39 | 15.84                               | 191.76 | 8.15                                | 189.94 |
| 17-Apr-92 | 10:42:14 | 1.18                               | 189.20 | 7.15                                | 190.35 | 2.80                                | 191.39 | 15.84                               | 191.76 | 8.15                                | 189.94 |
| 17-Apr-92 | 10:57:14 | 1.17                               | 189.19 | 7.14                                | 190.34 | 2.80                                | 191.39 | 15.84                               | 191.76 | 8.15                                | 189.94 |
| 17-Apr-92 | 11:12:14 | 1.17                               | 189.19 | 7.15                                | 190.35 | 2.80                                | 191.39 | 15.84                               | 191.76 | 8.15                                | 189.94 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile d:\STORMH01.PRN  
 DataFile B:\STORMH20  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 17-Apr-92 | 11:27:14 | 1.17                               | 189.19 | 7.14                                | 190.33 | 2.80                                | 191.39 | 15.84                               | 191.76 | 8.15                                | 189.94 |
| 17-Apr-92 | 11:42:14 | 1.17                               | 189.19 | 7.14                                | 190.34 | 2.80                                | 191.39 | 15.84                               | 191.76 | 8.15                                | 189.94 |
| 17-Apr-92 | 11:57:14 | 1.17                               | 189.19 | 7.14                                | 190.34 | 2.81                                | 191.40 | 15.84                               | 191.76 | 8.15                                | 189.94 |
| 17-Apr-92 | 12:12:14 | 1.17                               | 189.19 | 7.14                                | 190.34 | 2.80                                | 191.39 | 15.84                               | 191.76 | 8.15                                | 189.94 |
| 17-Apr-92 | 12:27:14 | 1.18                               | 189.20 | 7.15                                | 190.35 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.15                                | 189.94 |
| 17-Apr-92 | 12:42:14 | 1.18                               | 189.20 | 7.14                                | 190.33 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 12:57:14 | 1.18                               | 189.20 | 7.14                                | 190.33 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 13:12:14 | 1.19                               | 189.21 | 7.15                                | 190.35 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 13:27:14 | 1.19                               | 189.21 | 7.14                                | 190.34 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.17                                | 189.96 |
| 17-Apr-92 | 13:42:14 | 1.19                               | 189.21 | 7.15                                | 190.35 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 13:57:14 | 1.18                               | 189.20 | 7.14                                | 190.34 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 14:12:14 | 1.18                               | 189.20 | 7.15                                | 190.35 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 14:27:14 | 1.18                               | 189.20 | 7.15                                | 190.35 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 14:42:14 | 1.17                               | 189.19 | 7.14                                | 190.34 | 2.81                                | 191.40 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 17-Apr-92 | 14:57:14 | 1.17                               | 189.19 | 7.14                                | 190.34 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 15:12:14 | 1.17                               | 189.19 | 7.14                                | 190.34 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 15:27:14 | 1.16                               | 189.18 | 7.14                                | 190.34 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 15:42:14 | 1.16                               | 189.18 | 7.14                                | 190.34 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 15:57:14 | 1.16                               | 189.18 | 7.14                                | 190.34 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 16:12:14 | 1.16                               | 189.18 | 7.14                                | 190.34 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 16:27:14 | 1.16                               | 189.18 | 7.14                                | 190.34 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 17-Apr-92 | 16:42:14 | 1.16                               | 189.18 | 7.14                                | 190.34 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.15                                | 189.94 |
| 17-Apr-92 | 16:57:14 | 1.17                               | 189.19 | 7.14                                | 190.34 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.15                                | 189.94 |
| 17-Apr-92 | 17:12:14 | 1.17                               | 189.19 | 7.14                                | 190.34 | 2.82                                | 191.41 | 15.85                               | 191.77 | 8.15                                | 189.94 |
| 17-Apr-92 | 17:27:14 | 1.18                               | 189.20 | 7.14                                | 190.34 | 2.81                                | 191.40 | 15.85                               | 191.77 | 8.15                                | 189.94 |
| 17-Apr-92 | 17:42:14 | 1.24                               | 189.26 | 7.15                                | 190.35 | 2.85                                | 191.44 | 15.85                               | 191.77 | 8.34                                | 190.13 |
| 17-Apr-92 | 17:57:14 | 1.39                               | 189.41 | 7.22                                | 190.42 | 2.87                                | 191.46 | 15.87                               | 191.79 | 8.37                                | 190.16 |
| 17-Apr-92 | 18:12:14 | 1.45                               | 189.47 | 7.29                                | 190.49 | 2.86                                | 191.45 | 15.88                               | 191.80 | 8.38                                | 190.17 |
| 17-Apr-92 | 18:27:14 | 1.51                               | 189.53 | 7.33                                | 190.53 | 2.87                                | 191.46 | 15.88                               | 191.80 | 8.34                                | 190.13 |
| 17-Apr-92 | 18:42:14 | 1.55                               | 189.57 | 7.37                                | 190.57 | 2.90                                | 191.49 | 15.88                               | 191.80 | 8.37                                | 190.16 |
| 17-Apr-92 | 18:57:14 | 1.54                               | 189.56 | 7.37                                | 190.57 | 2.91                                | 191.50 | 15.89                               | 191.81 | 8.47                                | 190.26 |
| 17-Apr-92 | 19:12:14 | 1.58                               | 189.60 | 7.40                                | 190.60 | 2.94                                | 191.53 | 15.90                               | 191.82 | 8.41                                | 190.20 |
| 17-Apr-92 | 19:27:14 | 1.58                               | 189.60 | 7.43                                | 190.63 | 2.97                                | 191.56 | 15.91                               | 191.83 | 8.41                                | 190.20 |
| 17-Apr-92 | 19:42:14 | 1.59                               | 189.61 | 7.44                                | 190.64 | 2.98                                | 191.57 | 15.91                               | 191.83 | 8.41                                | 190.20 |
| 17-Apr-92 | 19:57:14 | 1.60                               | 189.62 | 7.46                                | 190.66 | 2.98                                | 191.57 | 15.91                               | 191.83 | 8.37                                | 190.16 |
| 17-Apr-92 | 20:12:14 | 1.58                               | 189.60 | 7.45                                | 190.65 | 3.05                                | 191.64 | 15.91                               | 191.83 | 8.36                                | 190.15 |
| 17-Apr-92 | 20:27:14 | 1.55                               | 189.57 | 7.45                                | 190.65 | 3.06                                | 191.65 | 15.91                               | 191.83 | 8.35                                | 190.14 |
| 17-Apr-92 | 20:42:14 | 1.52                               | 189.54 | 7.46                                | 190.66 | 3.18                                | 191.77 | 15.90                               | 191.82 | 8.34                                | 190.13 |
| 17-Apr-92 | 20:57:14 | 1.50                               | 189.52 | 7.45                                | 190.65 | 3.20                                | 191.79 | 15.90                               | 191.82 | 8.34                                | 190.13 |
| 17-Apr-92 | 21:12:14 | 1.48                               | 189.50 | 7.45                                | 190.65 | 3.24                                | 191.83 | 15.90                               | 191.82 | 8.33                                | 190.12 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PRN  
 DataFile B:\STORMH2O  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 17-Apr-92 | 21:27:14 | 1.48                               | 189.50 | 7.44                                | 190.64 | 3.23                                | 191.82 | 15.91                               | 191.83 | 8.33                                | 190.12 |
| 17-Apr-92 | 21:42:14 | 1.48                               | 189.50 | 7.44                                | 190.64 | 3.28                                | 191.87 | 15.90                               | 191.82 | 8.32                                | 190.11 |
| 17-Apr-92 | 21:57:14 | 1.49                               | 189.51 | 7.45                                | 190.65 | 3.30                                | 191.89 | 15.90                               | 191.82 | 8.33                                | 190.12 |
| 17-Apr-92 | 22:12:14 | 1.50                               | 189.52 | 7.45                                | 190.65 | 3.30                                | 191.89 | 15.91                               | 191.83 | 8.33                                | 190.12 |
| 17-Apr-92 | 22:27:14 | 1.50                               | 189.52 | 7.46                                | 190.66 | 3.30                                | 191.89 | 15.91                               | 191.83 | 8.33                                | 190.12 |
| 17-Apr-92 | 22:42:14 | 1.52                               | 189.54 | 7.47                                | 190.67 | 3.29                                | 191.88 | 15.90                               | 191.82 | 8.33                                | 190.12 |
| 17-Apr-92 | 22:57:14 | 1.53                               | 189.55 | 7.47                                | 190.67 | 3.31                                | 191.90 | 15.90                               | 191.82 | 8.34                                | 190.13 |
| 17-Apr-92 | 23:12:14 | 1.54                               | 189.56 | 7.48                                | 190.68 | 3.33                                | 191.92 | 15.91                               | 191.83 | 8.35                                | 190.14 |
| 17-Apr-92 | 23:27:14 | 1.55                               | 189.57 | 7.48                                | 190.68 | 3.32                                | 191.91 | 15.91                               | 191.83 | 8.35                                | 190.14 |
| 17-Apr-92 | 23:42:14 | 1.56                               | 189.58 | 7.49                                | 190.69 | 3.34                                | 191.93 | 15.92                               | 191.84 | 8.36                                | 190.15 |
| 17-Apr-92 | 23:57:14 | 1.56                               | 189.58 | 7.49                                | 190.69 | 3.34                                | 191.93 | 15.92                               | 191.84 | 8.37                                | 190.16 |
| 18-Apr-92 | 00:12:14 | 1.56                               | 189.58 | 7.49                                | 190.69 | 3.36                                | 191.95 | 15.92                               | 191.84 | 8.37                                | 190.16 |
| 18-Apr-92 | 00:27:14 | 1.55                               | 189.57 | 7.49                                | 190.69 | 3.36                                | 191.95 | 15.92                               | 191.84 | 8.36                                | 190.15 |
| 18-Apr-92 | 00:42:14 | 1.55                               | 189.57 | 7.49                                | 190.69 | 3.35                                | 191.94 | 15.92                               | 191.84 | 8.36                                | 190.15 |
| 18-Apr-92 | 00:57:14 | 1.54                               | 189.56 | 7.48                                | 190.68 | 3.37                                | 191.96 | 15.92                               | 191.84 | 8.37                                | 190.16 |
| 18-Apr-92 | 01:12:14 | 1.53                               | 189.55 | 7.48                                | 190.68 | 3.34                                | 191.93 | 15.93                               | 191.85 | 8.36                                | 190.15 |
| 18-Apr-92 | 01:27:14 | 1.52                               | 189.54 | 7.49                                | 190.69 | 3.38                                | 191.97 | 15.92                               | 191.84 | 8.36                                | 190.15 |
| 18-Apr-92 | 01:42:14 | 1.51                               | 189.53 | 7.47                                | 190.67 | 3.37                                | 191.96 | 15.93                               | 191.85 | 8.36                                | 190.14 |
| 18-Apr-92 | 01:57:14 | 1.50                               | 189.52 | 7.47                                | 190.67 | 3.39                                | 191.98 | 15.93                               | 191.85 | 8.35                                | 190.14 |
| 18-Apr-92 | 02:12:14 | 1.50                               | 189.52 | 7.46                                | 190.66 | 3.39                                | 191.98 | 15.92                               | 191.84 | 8.35                                | 190.14 |
| 18-Apr-92 | 02:27:14 | 1.49                               | 189.51 | 7.45                                | 190.65 | 3.40                                | 191.99 | 15.92                               | 191.84 | 8.35                                | 190.14 |
| 18-Apr-92 | 02:42:14 | 1.48                               | 189.50 | 7.45                                | 190.65 | 3.37                                | 191.96 | 15.93                               | 191.85 | 8.34                                | 190.13 |
| 18-Apr-92 | 02:57:14 | 1.48                               | 189.50 | 7.45                                | 190.65 | 3.40                                | 191.99 | 15.93                               | 191.85 | 8.35                                | 190.14 |
| 18-Apr-92 | 03:12:14 | 1.49                               | 189.51 | 7.45                                | 190.65 | 3.40                                | 191.99 | 15.93                               | 191.85 | 8.35                                | 190.14 |
| 18-Apr-92 | 03:27:14 | 1.49                               | 189.51 | 7.46                                | 190.66 | 3.40                                | 191.99 | 15.93                               | 191.85 | 8.35                                | 190.14 |
| 18-Apr-92 | 03:42:14 | 1.50                               | 189.52 | 7.46                                | 190.66 | 3.45                                | 192.04 | 15.93                               | 191.85 | 8.35                                | 190.14 |
| 18-Apr-92 | 03:57:14 | 1.50                               | 189.52 | 7.46                                | 190.66 | 3.49                                | 192.08 | 15.93                               | 191.85 | 8.36                                | 190.15 |
| 18-Apr-92 | 04:12:14 | 1.50                               | 189.52 | 7.46                                | 190.66 | 3.48                                | 192.07 | 15.93                               | 191.85 | 8.35                                | 190.14 |
| 18-Apr-92 | 04:27:14 | 1.50                               | 189.52 | 7.45                                | 190.65 | 3.51                                | 192.10 | 15.93                               | 191.85 | 8.35                                | 190.14 |
| 18-Apr-92 | 04:42:14 | 1.49                               | 189.51 | 7.45                                | 190.65 | 3.51                                | 192.10 | 15.93                               | 191.85 | 8.35                                | 190.14 |
| 18-Apr-92 | 04:57:14 | 1.48                               | 189.50 | 7.45                                | 190.65 | 3.53                                | 192.12 | 15.93                               | 191.85 | 8.35                                | 190.14 |
| 18-Apr-92 | 05:12:14 | 1.47                               | 189.49 | 7.45                                | 190.65 | 3.53                                | 192.12 | 15.93                               | 191.85 | 8.34                                | 190.13 |
| 18-Apr-92 | 05:27:14 | 1.46                               | 189.48 | 7.44                                | 190.64 | 3.54                                | 192.13 | 15.93                               | 191.85 | 8.34                                | 190.13 |
| 18-Apr-92 | 05:42:14 | 1.45                               | 189.47 | 7.43                                | 190.63 | 3.55                                | 192.14 | 15.93                               | 191.85 | 8.34                                | 190.13 |
| 18-Apr-92 | 05:57:14 | 1.44                               | 189.46 | 7.42                                | 190.62 | 3.56                                | 192.15 | 15.92                               | 191.84 | 8.33                                | 190.12 |
| 18-Apr-92 | 06:12:14 | 1.44                               | 189.46 | 7.42                                | 190.62 | 3.57                                | 192.16 | 15.92                               | 191.84 | 8.32                                | 190.11 |
| 18-Apr-92 | 06:27:14 | 1.43                               | 189.45 | 7.42                                | 190.62 | 3.57                                | 192.16 | 15.92                               | 191.84 | 8.32                                | 190.11 |
| 18-Apr-92 | 06:42:14 | 1.43                               | 189.45 | 7.41                                | 190.61 | 3.57                                | 192.16 | 15.92                               | 191.84 | 8.32                                | 190.11 |
| 18-Apr-92 | 06:57:14 | 1.42                               | 189.44 | 7.41                                | 190.61 | 3.57                                | 192.16 | 15.92                               | 191.84 | 8.31                                | 190.10 |
| 18-Apr-92 | 07:12:14 | 1.41                               | 189.43 | 7.40                                | 190.60 | 3.58                                | 192.17 | 16.28                               | 192.20 | 8.31                                | 190.10 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PRN  
 DataFile B:\STORMH20  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 18-Apr-92 | 07:27:14 | 1.41                               | 189.43 | 7.40                                | 190.60 | 3.59                                | 192.18 | 15.91                               | 191.83 | 8.31                                | 190.10 |
| 18-Apr-92 | 07:42:14 | 1.41                               | 189.43 | 7.41                                | 190.61 | 3.60                                | 192.19 | 15.91                               | 191.83 | 8.31                                | 190.10 |
| 18-Apr-92 | 07:57:14 | 1.40                               | 189.42 | 7.39                                | 190.59 | 3.60                                | 192.19 | 15.91                               | 191.83 | 8.30                                | 190.09 |
| 18-Apr-92 | 08:12:14 | 1.40                               | 189.42 | 7.41                                | 190.61 | 3.61                                | 192.20 | 16.28                               | 192.20 | 8.30                                | 190.09 |
| 18-Apr-92 | 08:27:14 | 1.40                               | 189.42 | 7.39                                | 190.59 | 3.61                                | 192.20 | 15.91                               | 191.83 | 8.30                                | 190.09 |
| 18-Apr-92 | 08:42:14 | 1.39                               | 189.41 | 7.39                                | 190.59 | 3.61                                | 192.20 | 15.91                               | 191.83 | 8.30                                | 190.09 |
| 18-Apr-92 | 08:57:14 | 1.39                               | 189.41 | 7.38                                | 190.58 | 3.62                                | 192.21 | 15.91                               | 191.83 | 8.30                                | 190.09 |
| 18-Apr-92 | 09:12:14 | 1.39                               | 189.41 | 7.39                                | 190.59 | 3.62                                | 192.21 | 15.91                               | 191.83 | 8.30                                | 190.09 |
| 18-Apr-92 | 09:27:14 | 1.39                               | 189.41 | 7.38                                | 190.58 | 3.63                                | 192.22 | 15.91                               | 191.83 | 8.30                                | 190.09 |
| 18-Apr-92 | 09:42:14 | 1.38                               | 189.40 | 7.37                                | 190.57 | 3.63                                | 192.22 | 15.91                               | 191.83 | 8.30                                | 190.09 |
| 18-Apr-92 | 09:57:14 | 1.38                               | 189.40 | 7.37                                | 190.57 | 3.64                                | 192.23 | 15.91                               | 191.83 | 8.30                                | 190.09 |
| 18-Apr-92 | 10:12:14 | 1.38                               | 189.40 | 7.38                                | 190.58 | 3.65                                | 192.24 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 10:27:14 | 1.37                               | 189.39 | 7.37                                | 190.57 | 3.65                                | 192.24 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 10:42:14 | 1.37                               | 189.39 | 7.37                                | 190.57 | 3.66                                | 192.25 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 10:57:14 | 1.37                               | 189.39 | 7.37                                | 190.57 | 3.67                                | 192.26 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 11:12:14 | 1.36                               | 189.38 | 7.36                                | 190.56 | 3.66                                | 192.25 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 11:27:14 | 1.36                               | 189.38 | 7.37                                | 190.57 | 3.65                                | 192.24 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 11:42:14 | 1.36                               | 189.38 | 7.36                                | 190.56 | 3.65                                | 192.24 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 11:57:14 | 1.35                               | 189.37 | 7.36                                | 190.56 | 3.64                                | 192.23 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 12:12:14 | 1.35                               | 189.37 | 7.38                                | 190.58 | 3.63                                | 192.22 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 12:27:14 | 1.34                               | 189.36 | 7.37                                | 190.57 | 3.63                                | 192.22 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 12:42:14 | 1.34                               | 189.36 | 7.35                                | 190.55 | 3.62                                | 192.21 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 12:57:14 | 1.34                               | 189.36 | 7.37                                | 190.57 | 3.63                                | 192.22 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 13:12:14 | 1.34                               | 189.36 | 7.36                                | 190.56 | 3.64                                | 192.23 | 15.92                               | 191.84 | 8.29                                | 190.08 |
| 18-Apr-92 | 13:27:14 | 1.34                               | 189.36 | 7.36                                | 190.56 | 3.62                                | 192.21 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 13:42:14 | 1.34                               | 189.36 | 7.37                                | 190.57 | 3.63                                | 192.22 | 15.91                               | 191.83 | 8.29                                | 190.08 |
| 18-Apr-92 | 13:57:14 | 1.34                               | 189.36 | 7.37                                | 190.57 | 3.64                                | 192.23 | 15.91                               | 191.83 | 8.28                                | 190.07 |
| 18-Apr-92 | 14:12:14 | 1.34                               | 189.36 | 7.35                                | 190.55 | 3.37                                | 191.96 | 15.91                               | 191.83 | 8.28                                | 190.07 |
| 18-Apr-92 | 14:27:14 | 1.34                               | 189.36 | 7.35                                | 190.55 | 3.31                                | 191.90 | 15.91                               | 191.83 | 8.28                                | 190.07 |
| 18-Apr-92 | 14:42:14 | 1.34                               | 189.36 | 7.35                                | 190.55 | 3.07                                | 191.66 | 15.91                               | 191.83 | 8.28                                | 190.07 |
| 18-Apr-92 | 14:57:14 | 1.34                               | 189.36 | 7.35                                | 190.55 | 3.05                                | 191.64 | 15.91                               | 191.83 | 8.28                                | 190.07 |
| 18-Apr-92 | 15:12:14 | 1.34                               | 189.36 | 7.35                                | 190.55 | 2.98                                | 191.57 | 15.91                               | 191.83 | 8.28                                | 190.07 |
| 18-Apr-92 | 15:27:14 | 1.34                               | 189.36 | 7.35                                | 190.55 | 3.08                                | 191.67 | 15.91                               | 191.83 | 8.28                                | 190.07 |
| 18-Apr-92 | 15:42:14 | 1.34                               | 189.36 | 7.35                                | 190.55 | 3.05                                | 191.64 | 15.91                               | 191.83 | 8.28                                | 190.07 |
| 18-Apr-92 | 15:57:14 | 1.33                               | 189.35 | 7.34                                | 190.54 | 3.04                                | 191.63 | 15.91                               | 191.83 | 8.28                                | 190.07 |
| 18-Apr-92 | 16:12:14 | 1.33                               | 189.35 | 7.34                                | 190.54 | 3.04                                | 191.63 | 15.92                               | 191.84 | 8.28                                | 190.07 |
| 18-Apr-92 | 16:27:14 | 1.33                               | 189.35 | 7.33                                | 190.53 | 3.03                                | 191.62 | 15.91                               | 191.83 | 8.28                                | 190.07 |
| 18-Apr-92 | 16:42:14 | 1.32                               | 189.34 | 7.33                                | 190.53 | 3.06                                | 191.65 | 15.91                               | 191.83 | 8.27                                | 190.06 |
| 18-Apr-92 | 16:57:14 | 1.32                               | 189.34 | 7.33                                | 190.53 | 3.09                                | 191.68 | 15.91                               | 191.83 | 8.27                                | 190.06 |
| 18-Apr-92 | 17:12:14 | 1.31                               | 189.33 | 7.32                                | 190.52 | 3.08                                | 191.67 | 15.91                               | 191.83 | 8.27                                | 190.06 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PRN  
 DataFile B:\STORMH20  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01  |        | Analog#02   |        | Analog#03   |        | Analog#04   |        | Analog#05   |        |
|-----------|----------|------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|
|           |          | river..... |        | MW-3 5psi.. |        | MW-3D 5psi. |        | MW-2D 10psi |        | Mw-2 5psi.. |        |
|           |          | FT.....    |        | FT.....     |        | ft.....     |        | ft.....     |        | ft.....     |        |
|           | MW-2     |            | SWB-1  |             | MW-3   | 6.75'       | MW-3D  |             | MW-2D  |             | MW-2   |
| 18-Apr-92 | 17:27:14 | 1.30       | 189.32 | 7.32        | 190.52 | 3.06        | 191.65 | 15.91       | 191.83 | 8.27        | 190.06 |
| 18-Apr-92 | 17:42:14 | 1.29       | 189.31 | 7.32        | 190.52 | 3.04        | 191.63 | 15.91       | 191.83 | 8.26        | 190.05 |
| 18-Apr-92 | 17:57:14 | 1.28       | 189.30 | 7.30        | 190.50 | 3.02        | 191.61 | 15.90       | 191.82 | 8.25        | 190.04 |
| 18-Apr-92 | 18:12:14 | 1.28       | 189.30 | 7.31        | 190.51 | 3.01        | 191.60 | 15.89       | 191.81 | 8.25        | 190.04 |
| 18-Apr-92 | 18:27:14 | 1.27       | 189.29 | 7.30        | 190.50 | 3.00        | 191.59 | 15.89       | 191.81 | 8.25        | 190.04 |
| 18-Apr-92 | 18:42:14 | 1.26       | 189.28 | 7.29        | 190.49 | 3.00        | 191.59 | 15.90       | 191.82 | 8.25        | 190.04 |
| 18-Apr-92 | 18:57:14 | 1.25       | 189.27 | 7.29        | 190.49 | 2.99        | 191.58 | 15.90       | 191.82 | 8.24        | 190.03 |
| 18-Apr-92 | 19:12:14 | 1.25       | 189.27 | 7.28        | 190.48 | 2.99        | 191.58 | 15.89       | 191.81 | 8.24        | 190.03 |
| 18-Apr-92 | 19:27:14 | 1.24       | 189.26 | 7.28        | 190.48 | 2.98        | 191.57 | 15.89       | 191.81 | 8.24        | 190.03 |
| 18-Apr-92 | 19:42:14 | 1.24       | 189.26 | 7.28        | 190.48 | 2.97        | 191.56 | 15.89       | 191.81 | 8.23        | 190.02 |
| 18-Apr-92 | 19:57:14 | 1.24       | 189.26 | 7.28        | 190.48 | 2.97        | 191.56 | 15.89       | 191.81 | 8.23        | 190.02 |
| 18-Apr-92 | 20:12:14 | 1.23       | 189.25 | 7.27        | 190.47 | 2.96        | 191.55 | 15.89       | 191.81 | 8.22        | 190.01 |
| 18-Apr-92 | 20:27:14 | 1.23       | 189.25 | 7.27        | 190.47 | 2.96        | 191.55 | 15.88       | 191.80 | 8.23        | 190.02 |
| 18-Apr-92 | 20:42:14 | 1.23       | 189.25 | 7.27        | 190.47 | 2.95        | 191.54 | 15.88       | 191.80 | 8.23        | 190.02 |
| 18-Apr-92 | 20:57:14 | 1.22       | 189.24 | 7.28        | 190.48 | 2.95        | 191.54 | 15.89       | 191.81 | 8.22        | 190.01 |
| 18-Apr-92 | 21:12:14 | 1.22       | 189.24 | 7.26        | 190.46 | 2.99        | 191.58 | 15.89       | 191.81 | 8.22        | 190.01 |
| 18-Apr-92 | 21:27:14 | 1.22       | 189.24 | 7.26        | 190.46 | 3.01        | 191.60 | 15.89       | 191.81 | 8.22        | 190.01 |
| 18-Apr-92 | 21:42:14 | 1.23       | 189.25 | 7.25        | 190.45 | 3.02        | 191.61 | 15.89       | 191.81 | 8.22        | 190.01 |
| 18-Apr-92 | 21:57:14 | 1.24       | 189.26 | 7.26        | 190.46 | 3.04        | 191.63 | 15.88       | 191.80 | 8.23        | 190.02 |
| 18-Apr-92 | 22:12:14 | 1.26       | 189.28 | 7.26        | 190.46 | 3.19        | 191.78 | 15.89       | 191.81 | 8.24        | 190.03 |
| 18-Apr-92 | 22:27:14 | 1.28       | 189.30 | 7.29        | 190.49 | 3.23        | 191.82 | 15.90       | 191.82 | 8.27        | 190.06 |
| 18-Apr-92 | 22:42:14 | 1.30       | 189.32 | 7.29        | 190.49 | 3.22        | 191.81 | 15.89       | 191.81 | 8.25        | 190.04 |
| 18-Apr-92 | 22:57:14 | 1.30       | 189.32 | 7.31        | 190.51 | 3.22        | 191.81 | 15.89       | 191.81 | 8.25        | 190.04 |
| 18-Apr-92 | 23:12:14 | 1.30       | 189.32 | 7.31        | 190.51 | 3.21        | 191.80 | 15.89       | 191.81 | 8.25        | 190.04 |
| 18-Apr-92 | 23:27:14 | 1.30       | 189.32 | 7.30        | 190.50 | 3.21        | 191.80 | 15.90       | 191.82 | 8.25        | 190.04 |
| 18-Apr-92 | 23:42:14 | 1.29       | 189.31 | 7.30        | 190.50 | 3.24        | 191.83 | 15.90       | 191.82 | 8.25        | 190.04 |
| 18-Apr-92 | 23:57:14 | 1.29       | 189.31 | 7.30        | 190.50 | 3.28        | 191.87 | 15.90       | 191.82 | 8.26        | 190.05 |
| 19-Apr-92 | 00:12:14 | 1.29       | 189.31 | 7.30        | 190.50 | 3.45        | 192.04 | 15.90       | 191.82 | 8.32        | 190.11 |
| 19-Apr-92 | 00:27:14 | 1.31       | 189.33 | 7.31        | 190.51 | 3.45        | 192.04 | 15.90       | 191.82 | 8.28        | 190.07 |
| 19-Apr-92 | 00:42:14 | 1.32       | 189.34 | 7.32        | 190.52 | 3.40        | 191.99 | 15.90       | 191.82 | 8.29        | 190.08 |
| 19-Apr-92 | 00:57:14 | 1.32       | 189.34 | 7.32        | 190.52 | 3.42        | 192.01 | 15.91       | 191.83 | 8.31        | 190.10 |
| 19-Apr-92 | 01:12:14 | 1.34       | 189.36 | 7.34        | 190.54 | 3.44        | 192.03 | 15.91       | 191.83 | 8.29        | 190.08 |
| 19-Apr-92 | 01:27:14 | 1.34       | 189.36 | 7.34        | 190.54 | 3.46        | 192.05 | 15.91       | 191.83 | 8.28        | 190.07 |
| 19-Apr-92 | 01:42:14 | 1.34       | 189.36 | 7.35        | 190.55 | 3.47        | 192.06 | 15.91       | 191.83 | 8.28        | 190.07 |
| 19-Apr-92 | 01:57:14 | 1.34       | 189.36 | 7.35        | 190.55 | 3.48        | 192.07 | 15.91       | 191.83 | 8.28        | 190.07 |
| 19-Apr-92 | 02:12:14 | 1.33       | 189.35 | 7.35        | 190.55 | 3.48        | 192.07 | 15.91       | 191.83 | 8.29        | 190.08 |
| 19-Apr-92 | 02:27:14 | 1.32       | 189.34 | 7.35        | 190.55 | 3.49        | 192.08 | 15.91       | 191.83 | 8.28        | 190.07 |
| 19-Apr-92 | 02:42:14 | 1.32       | 189.34 | 7.34        | 190.54 | 3.49        | 192.08 | 15.92       | 191.84 | 8.28        | 190.07 |
| 19-Apr-92 | 02:57:14 | 1.32       | 189.34 | 7.34        | 190.54 | 3.49        | 192.08 | 15.92       | 191.84 | 8.28        | 190.07 |
| 19-Apr-92 | 03:12:14 | 1.31       | 189.33 | 7.34        | 190.54 | 3.49        | 192.08 | 15.92       | 191.84 | 8.28        | 190.07 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORM\01.PRN  
 DataFile B:\STORMH2O  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analogue#01 | Analogue#02 |             | Analogue#03 |             | Analogue#04 |       | Analogue#05 |      |        |
|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------|-------------|------|--------|
|           |          | river.....  | MW-3 5psi.. | MW-3D 5psi. | MW-2D 10psi | Mw-2 5psi.. |             |       |             |      |        |
|           |          | FT.....     | FT.....     | ft.....     | ft.....     | ft.....     |             |       |             |      |        |
|           | MW-2     |             | SWB-1       |             | MW-3        | 6.75'       | MW-3D       |       | MW-2D       |      | MW-2   |
| 19-Apr-92 | 03:27:14 | 1.31        | 189.33      | 7.33        | 190.53      | 3.49        | 192.08      | 15.91 | 191.83      | 8.27 | 190.06 |
| 19-Apr-92 | 03:42:14 | 1.30        | 189.32      | 7.33        | 190.53      | 3.49        | 192.08      | 15.91 | 191.83      | 8.27 | 190.06 |
| 19-Apr-92 | 03:57:14 | 1.30        | 189.32      | 7.32        | 190.52      | 3.49        | 192.08      | 15.91 | 191.83      | 8.27 | 190.06 |
| 19-Apr-92 | 04:12:14 | 1.30        | 189.32      | 7.33        | 190.53      | 3.49        | 192.08      | 15.91 | 191.83      | 8.27 | 190.06 |
| 19-Apr-92 | 04:27:14 | 1.31        | 189.33      | 7.33        | 190.53      | 3.49        | 192.08      | 15.91 | 191.83      | 8.27 | 190.06 |
| 19-Apr-92 | 04:42:14 | 1.31        | 189.33      | 7.34        | 190.54      | 3.49        | 192.08      | 15.91 | 191.83      | 8.27 | 190.06 |
| 19-Apr-92 | 04:57:14 | 1.32        | 189.34      | 7.34        | 190.54      | 3.49        | 192.08      | 15.91 | 191.83      | 8.27 | 190.06 |
| 19-Apr-92 | 05:12:14 | 1.34        | 189.36      | 7.36        | 190.56      | 3.49        | 192.08      | 15.92 | 191.84      | 8.27 | 190.06 |
| 19-Apr-92 | 05:27:14 | 1.35        | 189.37      | 7.36        | 190.56      | 3.49        | 192.08      | 15.92 | 191.84      | 8.28 | 190.07 |
| 19-Apr-92 | 05:42:14 | 1.36        | 189.38      | 7.37        | 190.57      | 3.49        | 192.08      | 15.92 | 191.84      | 8.29 | 190.08 |
| 19-Apr-92 | 05:57:14 | 1.37        | 189.39      | 7.36        | 190.56      | 3.49        | 192.08      | 15.92 | 191.84      | 8.29 | 190.08 |
| 19-Apr-92 | 06:12:14 | 1.38        | 189.40      | 7.37        | 190.57      | 3.49        | 192.08      | 15.93 | 191.85      | 8.30 | 190.09 |
| 19-Apr-92 | 06:27:14 | 1.38        | 189.40      | 7.37        | 190.57      | 3.49        | 192.08      | 15.93 | 191.85      | 8.30 | 190.09 |
| 19-Apr-92 | 06:42:14 | 1.39        | 189.41      | 7.38        | 190.58      | 3.49        | 192.08      | 15.93 | 191.85      | 8.30 | 190.09 |
| 19-Apr-92 | 06:57:14 | 1.39        | 189.41      | 7.38        | 190.58      | 3.50        | 192.09      | 15.93 | 191.85      | 8.30 | 190.09 |
| 19-Apr-92 | 07:12:14 | 1.40        | 189.42      | 7.38        | 190.58      | 3.49        | 192.08      | 15.93 | 191.85      | 8.31 | 190.10 |
| 19-Apr-92 | 07:27:14 | 1.40        | 189.42      | 7.39        | 190.59      | 3.49        | 192.08      | 15.93 | 191.85      | 8.31 | 190.10 |
| 19-Apr-92 | 07:42:14 | 1.40        | 189.42      | 7.39        | 190.59      | 3.49        | 192.08      | 15.93 | 191.85      | 8.31 | 190.10 |
| 19-Apr-92 | 07:57:14 | 1.40        | 189.42      | 7.38        | 190.58      | 3.50        | 192.09      | 15.93 | 191.85      | 8.31 | 190.10 |
| 19-Apr-92 | 08:12:14 | 1.40        | 189.42      | 7.38        | 190.58      | 3.50        | 192.09      | 15.93 | 191.85      | 8.31 | 190.10 |
| 19-Apr-92 | 08:27:14 | 1.40        | 189.42      | 7.39        | 190.59      | 3.50        | 192.09      | 15.93 | 191.85      | 8.31 | 190.10 |
| 19-Apr-92 | 08:42:14 | 1.40        | 189.42      | 7.39        | 190.59      | 3.50        | 192.09      | 15.93 | 191.85      | 8.32 | 190.11 |
| 19-Apr-92 | 08:57:14 | 1.40        | 189.42      | 7.39        | 190.59      | 3.50        | 192.09      | 15.93 | 191.85      | 8.32 | 190.11 |
| 19-Apr-92 | 09:12:14 | 1.40        | 189.42      | 7.38        | 190.58      | 3.51        | 192.10      | 15.93 | 191.85      | 8.32 | 190.11 |
| 19-Apr-92 | 09:27:14 | 1.39        | 189.41      | 7.39        | 190.59      | 3.51        | 192.10      | 15.93 | 191.85      | 8.32 | 190.11 |
| 19-Apr-92 | 09:42:14 | 1.39        | 189.41      | 7.38        | 190.58      | 3.51        | 192.10      | 15.94 | 191.86      | 8.32 | 190.11 |
| 19-Apr-92 | 09:57:14 | 1.39        | 189.41      | 7.38        | 190.58      | 3.51        | 192.10      | 15.93 | 191.85      | 8.32 | 190.11 |
| 19-Apr-92 | 10:12:14 | 1.39        | 189.41      | 7.38        | 190.58      | 3.52        | 192.11      | 15.94 | 191.86      | 8.31 | 190.10 |
| 19-Apr-92 | 10:27:14 | 1.38        | 189.40      | 7.38        | 190.58      | 3.52        | 192.11      | 15.94 | 191.86      | 8.32 | 190.11 |
| 19-Apr-92 | 10:42:14 | 1.38        | 189.40      | 7.37        | 190.57      | 3.52        | 192.11      | 15.94 | 191.86      | 8.31 | 190.10 |
| 19-Apr-92 | 10:57:14 | 1.38        | 189.40      | 7.38        | 190.58      | 3.53        | 192.12      | 15.94 | 191.86      | 8.31 | 190.10 |
| 19-Apr-92 | 11:12:14 | 1.37        | 189.39      | 7.37        | 190.57      | 3.54        | 192.13      | 15.94 | 191.86      | 8.31 | 190.10 |
| 19-Apr-92 | 11:27:14 | 1.36        | 189.38      | 7.37        | 190.57      | 3.54        | 192.13      | 15.94 | 191.86      | 8.31 | 190.10 |
| 19-Apr-92 | 11:42:14 | 1.36        | 189.38      | 7.36        | 190.56      | 3.54        | 192.13      | 15.95 | 191.87      | 8.31 | 190.10 |
| 19-Apr-92 | 11:57:14 | 1.34        | 189.36      | 7.38        | 190.58      | 3.54        | 192.13      | 15.93 | 191.85      | 8.30 | 190.09 |
| 19-Apr-92 | 12:12:14 | 1.33        | 189.35      | 7.36        | 190.56      | 3.55        | 192.14      | 15.93 | 191.85      | 8.30 | 190.09 |
| 19-Apr-92 | 12:27:14 | 1.32        | 189.34      | 7.35        | 190.55      | 3.54        | 192.13      | 15.93 | 191.85      | 8.30 | 190.09 |
| 19-Apr-92 | 12:42:14 | 1.31        | 189.33      | 7.36        | 190.56      | 3.54        | 192.13      | 15.93 | 191.85      | 8.29 | 190.08 |
| 19-Apr-92 | 12:57:14 | 1.30        | 189.32      | 7.33        | 190.53      | 3.54        | 192.13      | 15.93 | 191.85      | 8.29 | 190.08 |
| 19-Apr-92 | 13:12:14 | 1.28        | 189.30      | 7.33        | 190.53      | 3.53        | 192.12      | 15.93 | 191.85      | 8.28 | 190.07 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PRN  
 DataFile B:\STORMH2O  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 19-Apr-92 | 13:27:14 | 1.27                               | 189.29 | 7.32                                | 190.52 | 3.54                                | 192.13 | 15.93                               | 191.85 | 8.28                                | 190.07 |
| 19-Apr-92 | 13:42:14 | 1.26                               | 189.28 | 7.32                                | 190.52 | 3.55                                | 192.14 | 15.93                               | 191.85 | 8.28                                | 190.07 |
| 19-Apr-92 | 13:57:14 | 1.25                               | 189.27 | 7.31                                | 190.51 | 3.54                                | 192.13 | 15.92                               | 191.84 | 8.27                                | 190.06 |
| 19-Apr-92 | 14:12:14 | 1.25                               | 189.27 | 7.31                                | 190.51 | 3.54                                | 192.13 | 15.92                               | 191.84 | 8.26                                | 190.05 |
| 19-Apr-92 | 14:27:14 | 1.24                               | 189.26 | 7.31                                | 190.51 | 3.53                                | 192.12 | 15.92                               | 191.84 | 8.26                                | 190.05 |
| 19-Apr-92 | 14:42:14 | 1.23                               | 189.25 | 7.29                                | 190.49 | 3.53                                | 192.12 | 15.92                               | 191.84 | 8.26                                | 190.05 |
| 19-Apr-92 | 14:57:14 | 1.23                               | 189.25 | 7.30                                | 190.50 | 3.53                                | 192.12 | 15.92                               | 191.84 | 8.26                                | 190.05 |
| 19-Apr-92 | 15:12:14 | 1.23                               | 189.25 | 7.29                                | 190.49 | 3.56                                | 192.15 | 15.92                               | 191.84 | 8.26                                | 190.05 |
| 19-Apr-92 | 15:27:14 | 1.23                               | 189.25 | 7.29                                | 190.49 | 3.58                                | 192.17 | 15.92                               | 191.84 | 8.26                                | 190.05 |
| 19-Apr-92 | 15:42:14 | 1.23                               | 189.25 | 7.29                                | 190.49 | 3.58                                | 192.17 | 15.92                               | 191.84 | 8.26                                | 190.05 |
| 19-Apr-92 | 15:57:14 | 1.23                               | 189.25 | 7.29                                | 190.49 | 3.44                                | 192.03 | 15.92                               | 191.84 | 8.25                                | 190.04 |
| 19-Apr-92 | 16:12:14 | 1.22                               | 189.24 | 7.29                                | 190.49 | 3.34                                | 191.93 | 15.92                               | 191.84 | 8.25                                | 190.04 |
| 19-Apr-92 | 16:27:14 | 1.22                               | 189.24 | 7.29                                | 190.49 | 3.10                                | 191.69 | 15.92                               | 191.84 | 8.25                                | 190.04 |
| 19-Apr-92 | 16:42:14 | 1.21                               | 189.23 | 7.28                                | 190.48 | 3.07                                | 191.66 | 15.91                               | 191.83 | 8.25                                | 190.04 |
| 19-Apr-92 | 16:57:14 | 1.21                               | 189.23 | 7.28                                | 190.48 | 3.02                                | 191.61 | 15.91                               | 191.83 | 8.25                                | 190.04 |
| 19-Apr-92 | 17:12:14 | 1.20                               | 189.22 | 7.27                                | 190.47 | 3.02                                | 191.61 | 15.92                               | 191.84 | 8.25                                | 190.04 |
| 19-Apr-92 | 17:27:14 | 1.20                               | 189.22 | 7.28                                | 190.48 | 3.01                                | 191.60 | 15.92                               | 191.84 | 8.24                                | 190.03 |
| 19-Apr-92 | 17:42:14 | 1.20                               | 189.22 | 7.27                                | 190.47 | 3.02                                | 191.61 | 15.91                               | 191.83 | 8.24                                | 190.03 |
| 19-Apr-92 | 17:57:14 | 1.20                               | 189.22 | 7.27                                | 190.47 | 3.01                                | 191.60 | 15.91                               | 191.83 | 8.24                                | 190.03 |
| 19-Apr-92 | 18:12:14 | 1.20                               | 189.22 | 7.26                                | 190.46 | 3.02                                | 191.61 | 15.91                               | 191.83 | 8.24                                | 190.03 |
| 19-Apr-92 | 18:27:14 | 1.20                               | 189.22 | 7.26                                | 190.46 | 3.01                                | 191.60 | 15.91                               | 191.83 | 8.23                                | 190.02 |
| 19-Apr-92 | 18:42:14 | 1.19                               | 189.21 | 7.27                                | 190.47 | 3.01                                | 191.60 | 15.91                               | 191.83 | 8.23                                | 190.02 |
| 19-Apr-92 | 18:57:14 | 1.19                               | 189.21 | 7.27                                | 190.47 | 3.00                                | 191.59 | 15.91                               | 191.83 | 8.23                                | 190.02 |
| 19-Apr-92 | 19:12:14 | 1.19                               | 189.21 | 7.26                                | 190.46 | 3.00                                | 191.59 | 15.91                               | 191.83 | 8.23                                | 190.02 |
| 19-Apr-92 | 19:27:14 | 1.19                               | 189.21 | 7.26                                | 190.46 | 3.01                                | 191.60 | 15.91                               | 191.83 | 8.23                                | 190.02 |
| 19-Apr-92 | 19:42:14 | 1.19                               | 189.21 | 7.25                                | 190.45 | 3.00                                | 191.59 | 15.91                               | 191.83 | 8.23                                | 190.02 |
| 19-Apr-92 | 19:57:14 | 1.19                               | 189.21 | 7.25                                | 190.45 | 3.00                                | 191.59 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 19-Apr-92 | 20:12:14 | 1.19                               | 189.21 | 7.25                                | 190.45 | 2.99                                | 191.58 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 19-Apr-92 | 20:27:14 | 1.19                               | 189.21 | 7.26                                | 190.46 | 2.99                                | 191.58 | 15.90                               | 191.82 | 8.23                                | 190.02 |
| 19-Apr-92 | 20:42:14 | 1.19                               | 189.21 | 7.24                                | 190.44 | 2.99                                | 191.58 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 19-Apr-92 | 20:57:14 | 1.19                               | 189.21 | 7.25                                | 190.45 | 2.99                                | 191.58 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 19-Apr-92 | 21:12:14 | 1.18                               | 189.20 | 7.25                                | 190.45 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 19-Apr-92 | 21:27:14 | 1.18                               | 189.20 | 7.26                                | 190.46 | 2.99                                | 191.58 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 19-Apr-92 | 21:42:14 | 1.18                               | 189.20 | 7.25                                | 190.45 | 2.99                                | 191.58 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 19-Apr-92 | 21:57:14 | 1.18                               | 189.20 | 7.24                                | 190.44 | 2.99                                | 191.58 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 19-Apr-92 | 22:12:14 | 1.18                               | 189.20 | 7.24                                | 190.44 | 2.99                                | 191.58 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 19-Apr-92 | 22:27:14 | 1.18                               | 189.20 | 7.24                                | 190.44 | 2.99                                | 191.58 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 19-Apr-92 | 22:42:14 | 1.18                               | 189.20 | 7.25                                | 190.45 | 2.99                                | 191.58 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 19-Apr-92 | 22:57:14 | 1.18                               | 189.20 | 7.23                                | 190.43 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 19-Apr-92 | 23:12:14 | 1.18                               | 189.20 | 7.23                                | 190.43 | 2.98                                | 191.57 | 15.89                               | 191.81 | 8.21                                | 190.00 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PP  
 DataFile B:\STORMH2O  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 19-Apr-92 | 23:27:14 | 1.18                               | 189.20 | 7.24                                | 190.44 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 19-Apr-92 | 23:42:14 | 1.18                               | 189.20 | 7.24                                | 190.44 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 19-Apr-92 | 23:57:14 | 1.18                               | 189.20 | 7.24                                | 190.44 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 20-Apr-92 | 00:12:14 | 1.18                               | 189.20 | 7.23                                | 190.43 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 20-Apr-92 | 00:27:14 | 1.18                               | 189.20 | 7.23                                | 190.43 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 00:42:14 | 1.18                               | 189.20 | 7.23                                | 190.43 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 00:57:14 | 1.18                               | 189.20 | 7.23                                | 190.43 | 2.98                                | 191.57 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 01:12:14 | 1.17                               | 189.19 | 7.23                                | 190.43 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 01:27:14 | 1.17                               | 189.19 | 7.23                                | 190.43 | 2.97                                | 191.56 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 01:42:14 | 1.17                               | 189.19 | 7.23                                | 190.43 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 20-Apr-92 | 01:57:14 | 1.17                               | 189.19 | 7.22                                | 190.42 | 2.99                                | 191.58 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 20-Apr-92 | 02:12:14 | 1.17                               | 189.19 | 7.22                                | 190.42 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 02:27:14 | 1.17                               | 189.19 | 7.22                                | 190.42 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 20-Apr-92 | 02:42:14 | 1.17                               | 189.19 | 7.24                                | 190.44 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.22                                | 190.01 |
| 20-Apr-92 | 02:57:14 | 1.17                               | 189.19 | 7.22                                | 190.42 | 2.97                                | 191.56 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 03:12:14 | 1.17                               | 189.19 | 7.22                                | 190.42 | 2.97                                | 191.56 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 03:27:14 | 1.17                               | 189.19 | 7.23                                | 190.43 | 2.96                                | 191.55 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 03:42:14 | 1.17                               | 189.19 | 7.22                                | 190.42 | 2.97                                | 191.56 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 03:57:14 | 1.17                               | 189.19 | 7.22                                | 190.42 | 2.96                                | 191.55 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 04:12:14 | 1.17                               | 189.19 | 7.22                                | 190.42 | 2.96                                | 191.55 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 04:27:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.98                                | 191.57 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 04:42:14 | 1.18                               | 189.20 | 7.21                                | 190.41 | 2.99                                | 191.58 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 04:57:14 | 1.18                               | 189.20 | 7.22                                | 190.42 | 2.97                                | 191.56 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 05:12:14 | 1.17                               | 189.19 | 7.23                                | 190.43 | 2.98                                | 191.57 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 05:27:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.97                                | 191.56 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 05:42:14 | 1.17                               | 189.19 | 7.22                                | 190.42 | 2.99                                | 191.58 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 05:57:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.97                                | 191.56 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 06:12:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.97                                | 191.56 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 06:27:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.97                                | 191.56 | 15.90                               | 191.82 | 8.21                                | 190.00 |
| 20-Apr-92 | 06:42:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.97                                | 191.56 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 06:57:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.97                                | 191.56 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 07:12:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.98                                | 191.57 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 07:27:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.96                                | 191.55 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 07:42:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.99                                | 191.58 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 07:57:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.99                                | 191.58 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 08:12:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.99                                | 191.58 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 08:27:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.99                                | 191.58 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 08:42:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.96                                | 191.55 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 08:57:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 2.99                                | 191.58 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 09:12:14 | 1.17                               | 189.19 | 7.21                                | 190.41 | 3.00                                | 191.59 | 15.89                               | 191.81 | 8.21                                | 190.00 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PRN  
 DataFile B:\STORMH2O  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 20-Apr-92 | 09:27:14 | 1.17                               | 189.19 | 7.20                                | 190.40 | 3.00                                | 191.59 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 09:42:14 | 1.17                               | 189.19 | 7.20                                | 190.40 | 3.01                                | 191.60 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 09:57:14 | 1.17                               | 189.19 | 7.20                                | 190.40 | 3.00                                | 191.59 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 10:12:14 | 1.16                               | 189.18 | 7.21                                | 190.41 | 3.01                                | 191.60 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 10:27:14 | 1.16                               | 189.18 | 7.20                                | 190.40 | 3.01                                | 191.60 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 10:42:14 | 1.16                               | 189.18 | 7.20                                | 190.40 | 3.01                                | 191.60 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 10:57:14 | 1.16                               | 189.18 | 7.21                                | 190.41 | 3.03                                | 191.62 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 11:12:14 | 1.16                               | 189.18 | 7.21                                | 190.41 | 3.04                                | 191.63 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 11:27:14 | 1.15                               | 189.17 | 7.20                                | 190.40 | 3.09                                | 191.68 | 15.89                               | 191.81 | 8.21                                | 190.00 |
| 20-Apr-92 | 11:42:14 | 1.15                               | 189.17 | 7.20                                | 190.40 | 3.09                                | 191.68 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 11:57:14 | 1.15                               | 189.17 | 7.20                                | 190.40 | 3.09                                | 191.68 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 20-Apr-92 | 12:12:14 | 1.15                               | 189.17 | 7.21                                | 190.41 | 3.11                                | 191.70 | 15.88                               | 191.80 | 8.21                                | 190.00 |
| 20-Apr-92 | 12:27:14 | 1.14                               | 189.16 | 7.21                                | 190.41 | 3.11                                | 191.70 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 12:42:14 | 1.14                               | 189.16 | 7.20                                | 190.40 | 3.11                                | 191.70 | 15.90                               | 191.82 | 8.20                                | 189.99 |
| 20-Apr-92 | 12:57:14 | 1.14                               | 189.16 | 7.20                                | 190.40 | 3.13                                | 191.72 | 15.91                               | 191.83 | 8.20                                | 189.99 |
| 20-Apr-92 | 13:12:14 | 1.13                               | 189.15 | 7.20                                | 190.40 | 3.15                                | 191.74 | 15.95                               | 191.87 | 8.20                                | 189.99 |
| 20-Apr-92 | 13:27:14 | 1.13                               | 189.15 | 7.20                                | 190.40 | 3.14                                | 191.73 | 15.94                               | 191.86 | 8.21                                | 190.00 |
| 20-Apr-92 | 13:42:14 | 1.13                               | 189.15 | 7.20                                | 190.40 | 3.13                                | 191.72 | 15.91                               | 191.83 | 8.20                                | 189.99 |
| 20-Apr-92 | 13:57:14 | 1.13                               | 189.15 | 7.20                                | 190.40 | 3.15                                | 191.74 | 15.93                               | 191.85 | 8.21                                | 190.00 |
| 20-Apr-92 | 14:12:14 | 1.13                               | 189.15 | 7.20                                | 190.40 | 3.14                                | 191.73 | 15.91                               | 191.83 | 8.21                                | 190.00 |
| 20-Apr-92 | 14:27:14 | 1.13                               | 189.15 | 7.20                                | 190.40 | 3.16                                | 191.75 | 15.91                               | 191.83 | 8.20                                | 189.99 |
| 20-Apr-92 | 14:42:14 | 1.13                               | 189.15 | 7.20                                | 190.40 | 3.14                                | 191.73 | 15.91                               | 191.83 | 8.20                                | 189.99 |
| 20-Apr-92 | 14:57:14 | 1.13                               | 189.15 | 7.20                                | 190.40 | 3.13                                | 191.72 | 15.91                               | 191.83 | 8.20                                | 189.99 |
| 20-Apr-92 | 15:12:14 | 1.13                               | 189.15 | 7.20                                | 190.40 | 3.13                                | 191.72 | 15.91                               | 191.83 | 8.20                                | 189.99 |
| 20-Apr-92 | 15:27:14 | 1.13                               | 189.15 | 7.20                                | 190.40 | 3.14                                | 191.73 | 15.91                               | 191.83 | 8.21                                | 190.00 |
| 20-Apr-92 | 15:42:14 | 1.12                               | 189.14 | 7.18                                | 190.38 | 3.13                                | 191.72 | 15.91                               | 191.83 | 8.20                                | 189.99 |
| 20-Apr-92 | 15:57:14 | 1.13                               | 189.15 | 7.19                                | 190.39 | 3.14                                | 191.73 | 15.91                               | 191.83 | 8.20                                | 189.99 |
| 20-Apr-92 | 16:12:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.12                                | 191.71 | 15.90                               | 191.82 | 8.20                                | 189.99 |
| 20-Apr-92 | 16:27:14 | 1.12                               | 189.14 | 7.20                                | 190.40 | 3.12                                | 191.71 | 15.90                               | 191.82 | 8.20                                | 189.99 |
| 20-Apr-92 | 16:42:14 | 1.12                               | 189.14 | 7.20                                | 190.40 | 3.12                                | 191.71 | 15.90                               | 191.82 | 8.20                                | 189.99 |
| 20-Apr-92 | 16:57:14 | 1.12                               | 189.14 | 7.20                                | 190.40 | 3.12                                | 191.71 | 15.90                               | 191.82 | 8.20                                | 189.99 |
| 20-Apr-92 | 17:12:14 | 1.12                               | 189.14 | 7.20                                | 190.40 | 3.13                                | 191.72 | 15.90                               | 191.82 | 8.20                                | 189.99 |
| 20-Apr-92 | 17:27:14 | 1.12                               | 189.14 | 7.20                                | 190.40 | 3.12                                | 191.71 | 15.90                               | 191.82 | 8.19                                | 189.98 |
| 20-Apr-92 | 17:42:14 | 1.13                               | 189.15 | 7.20                                | 190.40 | 3.11                                | 191.70 | 15.90                               | 191.82 | 8.19                                | 189.98 |
| 20-Apr-92 | 17:57:14 | 1.13                               | 189.15 | 7.20                                | 190.40 | 3.12                                | 191.71 | 15.90                               | 191.82 | 8.20                                | 189.99 |
| 20-Apr-92 | 18:12:14 | 1.12                               | 189.14 | 7.20                                | 190.40 | 3.04                                | 191.63 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 18:27:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.05                                | 191.64 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 18:42:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.04                                | 191.63 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 18:57:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.11                                | 191.70 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 19:12:14 | 1.12                               | 189.14 | 7.20                                | 190.40 | 3.10                                | 191.69 | 15.89                               | 191.81 | 8.20                                | 189.99 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PRN  
 DataFile B:\STORMH2O  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 20-Apr-92 | 19:27:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.03                                | 191.62 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 19:42:14 | 1.12                               | 189.14 | 7.20                                | 190.40 | 3.03                                | 191.62 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 19:57:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.03                                | 191.62 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 20:12:14 | 1.12                               | 189.14 | 7.20                                | 190.40 | 3.10                                | 191.69 | 15.89                               | 191.81 | 8.19                                | 189.98 |
| 20-Apr-92 | 20:27:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.03                                | 191.62 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 20-Apr-92 | 20:42:14 | 1.12                               | 189.14 | 7.18                                | 190.38 | 3.06                                | 191.65 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 20-Apr-92 | 20:57:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.02                                | 191.61 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 20-Apr-92 | 21:12:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.08                                | 191.67 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 20-Apr-92 | 21:27:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.02                                | 191.61 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 20-Apr-92 | 21:42:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.03                                | 191.62 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 20-Apr-92 | 21:57:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.08                                | 191.67 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 20-Apr-92 | 22:12:14 | 1.12                               | 189.14 | 7.20                                | 190.40 | 3.08                                | 191.67 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 20-Apr-92 | 22:27:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.09                                | 191.68 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 20-Apr-92 | 22:42:14 | 1.12                               | 189.14 | 7.19                                | 190.39 | 3.09                                | 191.68 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 20-Apr-92 | 22:57:14 | 1.12                               | 189.14 | 7.18                                | 190.38 | 3.10                                | 191.69 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 20-Apr-92 | 23:12:14 | 1.13                               | 189.15 | 7.19                                | 190.39 | 3.09                                | 191.68 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 20-Apr-92 | 23:27:14 | 1.13                               | 189.15 | 7.18                                | 190.38 | 3.08                                | 191.67 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 20-Apr-92 | 23:42:14 | 1.13                               | 189.15 | 7.19                                | 190.39 | 3.09                                | 191.68 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 20-Apr-92 | 23:57:14 | 1.13                               | 189.15 | 7.19                                | 190.39 | 3.08                                | 191.67 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 00:12:14 | 1.13                               | 189.15 | 7.19                                | 190.39 | 3.10                                | 191.69 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 21-Apr-92 | 00:27:14 | 1.13                               | 189.15 | 7.18                                | 190.38 | 3.11                                | 191.70 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 00:42:14 | 1.13                               | 189.15 | 7.19                                | 190.39 | 3.10                                | 191.69 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 21-Apr-92 | 00:57:14 | 1.13                               | 189.15 | 7.19                                | 190.39 | 3.11                                | 191.70 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 21-Apr-92 | 01:12:14 | 1.13                               | 189.15 | 7.18                                | 190.38 | 3.10                                | 191.69 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 01:27:14 | 1.13                               | 189.15 | 7.18                                | 190.38 | 3.07                                | 191.66 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 01:42:14 | 1.13                               | 189.15 | 7.18                                | 190.38 | 3.02                                | 191.61 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 01:57:14 | 1.13                               | 189.15 | 7.18                                | 190.38 | 3.06                                | 191.65 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 02:12:14 | 1.13                               | 189.15 | 7.17                                | 190.37 | 3.03                                | 191.62 | 15.89                               | 191.81 | 8.20                                | 189.99 |
| 21-Apr-92 | 02:27:14 | 1.13                               | 189.15 | 7.18                                | 190.38 | 3.03                                | 191.62 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 02:42:14 | 1.13                               | 189.15 | 7.17                                | 190.37 | 3.03                                | 191.62 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 02:57:14 | 1.13                               | 189.15 | 7.19                                | 190.39 | 3.03                                | 191.62 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 03:12:14 | 1.13                               | 189.15 | 7.17                                | 190.37 | 3.03                                | 191.62 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 03:27:14 | 1.13                               | 189.15 | 7.18                                | 190.38 | 3.03                                | 191.62 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 03:42:14 | 1.13                               | 189.15 | 7.19                                | 190.39 | 3.03                                | 191.62 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 03:57:14 | 1.13                               | 189.15 | 7.17                                | 190.37 | 3.02                                | 191.61 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 21-Apr-92 | 04:12:14 | 1.13                               | 189.15 | 7.17                                | 190.37 | 3.02                                | 191.61 | 15.87                               | 191.79 | 8.19                                | 189.98 |
| 21-Apr-92 | 04:27:14 | 1.12                               | 189.14 | 7.17                                | 190.37 | 3.02                                | 191.61 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 21-Apr-92 | 04:42:14 | 1.13                               | 189.15 | 7.17                                | 190.37 | 3.02                                | 191.61 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 21-Apr-92 | 04:57:14 | 1.13                               | 189.15 | 7.18                                | 190.38 | 3.02                                | 191.61 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 05:12:14 | 1.12                               | 189.14 | 7.17                                | 190.37 | 3.03                                | 191.62 | 15.88                               | 191.80 | 8.20                                | 189.99 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PRN  
 DataFile B:\STORMH2O  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 21-Apr-92 | 05:27:14 | 1.13                               | 189.15 | 7.17                                | 190.37 | 3.02                                | 191.61 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 21-Apr-92 | 05:42:14 | 1.12                               | 189.14 | 7.18                                | 190.38 | 3.02                                | 191.61 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 21-Apr-92 | 05:57:14 | 1.12                               | 189.14 | 7.18                                | 190.38 | 3.03                                | 191.62 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 21-Apr-92 | 06:12:14 | 1.12                               | 189.14 | 7.17                                | 190.37 | 3.03                                | 191.62 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 21-Apr-92 | 06:27:14 | 1.12                               | 189.14 | 7.18                                | 190.38 | 3.08                                | 191.67 | 15.87                               | 191.79 | 8.19                                | 189.98 |
| 21-Apr-92 | 06:42:14 | 1.13                               | 189.15 | 7.17                                | 190.37 | 3.08                                | 191.67 | 15.87                               | 191.79 | 8.19                                | 189.98 |
| 21-Apr-92 | 06:57:14 | 1.13                               | 189.15 | 7.17                                | 190.37 | 3.07                                | 191.66 | 15.87                               | 191.79 | 8.19                                | 189.98 |
| 21-Apr-92 | 07:12:14 | 1.13                               | 189.15 | 7.18                                | 190.38 | 3.03                                | 191.62 | 15.87                               | 191.79 | 8.19                                | 189.98 |
| 21-Apr-92 | 07:27:14 | 1.12                               | 189.14 | 7.18                                | 190.38 | 3.07                                | 191.66 | 15.87                               | 191.79 | 8.19                                | 189.98 |
| 21-Apr-92 | 07:42:14 | 1.12                               | 189.14 | 7.17                                | 190.37 | 3.03                                | 191.62 | 15.87                               | 191.79 | 8.19                                | 189.98 |
| 21-Apr-92 | 07:57:14 | 1.12                               | 189.14 | 7.17                                | 190.37 | 3.03                                | 191.62 | 15.87                               | 191.79 | 8.19                                | 189.98 |
| 21-Apr-92 | 08:12:14 | 1.12                               | 189.14 | 7.16                                | 190.36 | 3.03                                | 191.62 | 15.88                               | 191.80 | 8.20                                | 189.99 |
| 21-Apr-92 | 08:27:14 | 1.12                               | 189.14 | 7.16                                | 190.36 | 3.03                                | 191.62 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 21-Apr-92 | 08:42:14 | 1.11                               | 189.13 | 7.17                                | 190.37 | 3.04                                | 191.63 | 15.88                               | 191.80 | 8.19                                | 189.98 |
| 21-Apr-92 | 08:57:14 | 1.12                               | 189.14 | 7.16                                | 190.36 | 3.04                                | 191.63 | 15.87                               | 191.79 | 8.19                                | 189.98 |
| 21-Apr-92 | 09:12:14 | 1.11                               | 189.13 | 7.16                                | 190.36 | 3.11                                | 191.70 | 15.87                               | 191.79 | 8.19                                | 189.98 |
| 21-Apr-92 | 09:27:14 | 1.11                               | 189.13 | 7.16                                | 190.36 | 3.12                                | 191.71 | 15.87                               | 191.79 | 8.19                                | 189.98 |
| 21-Apr-92 | 09:42:14 | 1.11                               | 189.13 | 7.16                                | 190.36 | 3.12                                | 191.71 | 15.87                               | 191.79 | 8.19                                | 189.98 |
| 21-Apr-92 | 09:57:14 | 1.10                               | 189.12 | 7.16                                | 190.36 | 3.11                                | 191.70 | 15.87                               | 191.79 | 8.18                                | 189.97 |
| 21-Apr-92 | 10:12:14 | 1.10                               | 189.12 | 7.16                                | 190.36 | 3.11                                | 191.70 | 15.87                               | 191.79 | 8.18                                | 189.97 |
| 21-Apr-92 | 10:27:14 | 1.10                               | 189.12 | 7.16                                | 190.36 | 3.12                                | 191.71 | 15.86                               | 191.78 | 8.18                                | 189.97 |
| 21-Apr-92 | 10:42:14 | 1.10                               | 189.12 | 7.15                                | 190.35 | 3.10                                | 191.69 | 15.86                               | 191.78 | 8.18                                | 189.97 |
| 21-Apr-92 | 10:57:14 | 1.09                               | 189.11 | 7.15                                | 190.35 | 3.10                                | 191.69 | 15.86                               | 191.78 | 8.18                                | 189.97 |
| 21-Apr-92 | 11:12:14 | 1.09                               | 189.11 | 7.15                                | 190.35 | 3.08                                | 191.67 | 15.86                               | 191.78 | 8.18                                | 189.97 |
| 21-Apr-92 | 11:27:14 | 1.08                               | 189.10 | 7.16                                | 190.36 | 3.08                                | 191.67 | 15.86                               | 191.78 | 8.18                                | 189.97 |
| 21-Apr-92 | 11:42:14 | 1.08                               | 189.10 | 7.16                                | 190.36 | 3.08                                | 191.67 | 15.86                               | 191.78 | 8.18                                | 189.97 |
| 21-Apr-92 | 11:57:14 | 1.08                               | 189.10 | 7.14                                | 190.34 | 3.07                                | 191.66 | 15.86                               | 191.78 | 8.18                                | 189.97 |
| 21-Apr-92 | 12:12:14 | 1.07                               | 189.09 | 7.15                                | 190.35 | 3.09                                | 191.68 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 21-Apr-92 | 12:27:14 | 1.06                               | 189.08 | 7.15                                | 190.35 | 3.09                                | 191.68 | 15.87                               | 191.79 | 8.17                                | 189.96 |
| 21-Apr-92 | 12:42:14 | 1.06                               | 189.08 | 7.14                                | 190.34 | 3.08                                | 191.67 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 21-Apr-92 | 12:57:14 | 1.05                               | 189.07 | 7.14                                | 190.34 | 3.09                                | 191.68 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 21-Apr-92 | 13:12:14 | 1.05                               | 189.07 | 7.14                                | 190.34 | 3.08                                | 191.67 | 15.87                               | 191.79 | 8.18                                | 189.97 |
| 21-Apr-92 | 13:27:14 | 1.03                               | 189.05 | 7.14                                | 190.34 | 3.04                                | 191.63 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 21-Apr-92 | 13:42:14 | 1.03                               | 189.05 | 7.15                                | 190.35 | 3.07                                | 191.66 | 15.87                               | 191.79 | 8.17                                | 189.96 |
| 21-Apr-92 | 13:57:14 | 1.02                               | 189.04 | 7.13                                | 190.33 | 3.07                                | 191.66 | 15.85                               | 191.77 | 8.17                                | 189.96 |
| 21-Apr-92 | 14:12:14 | 1.02                               | 189.04 | 7.13                                | 190.33 | 3.00                                | 191.59 | 15.86                               | 191.77 | 8.17                                | 189.96 |
| 21-Apr-92 | 14:27:14 | 1.02                               | 189.04 | 7.17                                | 190.37 | 3.11                                | 191.70 | 15.86                               | 191.78 | 8.17                                | 189.96 |
| 21-Apr-92 | 14:42:14 | 1.00                               | 189.02 | 7.15                                | 190.35 | 3.08                                | 191.67 | 15.85                               | 191.77 | 8.17                                | 189.96 |
| 21-Apr-92 | 14:57:14 | 1.00                               | 189.02 | 7.15                                | 190.35 | 3.09                                | 191.68 | 15.85                               | 191.77 | 8.17                                | 189.96 |
| 21-Apr-92 | 15:12:14 | 0.99                               | 189.01 | 7.14                                | 190.34 | 3.05                                | 191.64 | 15.85                               | 191.77 | 8.16                                | 189.95 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PRN  
 DataFile B:\STORMH2O  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 21-Apr-92 | 15:27:14 | 0.99                               | 189.01 | 7.14                                | 190.34 | 3.00                                | 191.59 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 21-Apr-92 | 15:42:14 | 0.99                               | 189.01 | 7.15                                | 190.35 | 3.09                                | 191.68 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 21-Apr-92 | 15:57:14 | 0.99                               | 189.01 | 7.14                                | 190.34 | 3.03                                | 191.62 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 21-Apr-92 | 16:12:14 | 0.98                               | 189.00 | 7.15                                | 190.35 | 3.11                                | 191.70 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 21-Apr-92 | 16:27:14 | 0.98                               | 189.00 | 7.16                                | 190.36 | 3.11                                | 191.70 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 21-Apr-92 | 16:42:14 | 0.99                               | 189.01 | 7.13                                | 190.33 | 3.09                                | 191.68 | 15.85                               | 191.77 | 8.16                                | 189.95 |
| 21-Apr-92 | 16:57:14 | 0.99                               | 189.01 | 7.13                                | 190.33 | 3.08                                | 191.67 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 17:12:14 | 0.99                               | 189.01 | 7.14                                | 190.34 | 3.08                                | 191.67 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 17:27:14 | 0.99                               | 189.01 | 7.13                                | 190.33 | 3.07                                | 191.66 | 15.84                               | 191.76 | 8.15                                | 189.94 |
| 21-Apr-92 | 17:42:14 | 0.99                               | 189.01 | 7.14                                | 190.34 | 3.07                                | 191.66 | 15.84                               | 191.76 | 8.15                                | 189.94 |
| 21-Apr-92 | 17:57:14 | 0.99                               | 189.01 | 7.14                                | 190.34 | 3.06                                | 191.65 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 18:12:14 | 1.00                               | 189.02 | 7.13                                | 190.33 | 3.05                                | 191.64 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 18:27:14 | 0.99                               | 189.01 | 7.14                                | 190.34 | 3.06                                | 191.65 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 18:42:14 | 0.99                               | 189.01 | 7.14                                | 190.34 | 2.98                                | 191.57 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 18:57:14 | 0.99                               | 189.01 | 7.14                                | 190.34 | 3.05                                | 191.64 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 19:12:14 | 1.00                               | 189.02 | 7.13                                | 190.33 | 2.98                                | 191.57 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 19:27:14 | 0.99                               | 189.01 | 7.14                                | 190.34 | 3.00                                | 191.59 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 21-Apr-92 | 19:42:14 | 0.99                               | 189.01 | 7.16                                | 190.36 | 3.01                                | 191.60 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 21-Apr-92 | 19:57:14 | 1.00                               | 189.02 | 7.14                                | 190.34 | 2.98                                | 191.57 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 21-Apr-92 | 20:12:14 | 1.01                               | 189.03 | 7.14                                | 190.34 | 2.99                                | 191.58 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 20:27:14 | 1.00                               | 189.02 | 7.14                                | 190.34 | 2.99                                | 191.58 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 21-Apr-92 | 20:42:14 | 1.00                               | 189.02 | 7.15                                | 190.35 | 3.00                                | 191.59 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 21-Apr-92 | 20:57:14 | 1.00                               | 189.02 | 7.14                                | 190.34 | 3.00                                | 191.59 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 21-Apr-92 | 21:12:14 | 1.00                               | 189.02 | 7.14                                | 190.34 | 3.01                                | 191.60 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 21-Apr-92 | 21:27:14 | 1.00                               | 189.02 | 7.13                                | 190.33 | 3.00                                | 191.59 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 21-Apr-92 | 21:42:14 | 1.01                               | 189.03 | 7.14                                | 190.34 | 3.00                                | 191.59 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 21-Apr-92 | 21:57:14 | 1.01                               | 189.03 | 7.12                                | 190.32 | 3.00                                | 191.59 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 21-Apr-92 | 22:12:14 | 1.01                               | 189.03 | 7.14                                | 190.34 | 3.04                                | 191.63 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 22:27:14 | 1.01                               | 189.03 | 7.15                                | 190.35 | 2.99                                | 191.58 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 21-Apr-92 | 22:42:14 | 1.01                               | 189.03 | 7.14                                | 190.34 | 2.99                                | 191.58 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 22:57:14 | 1.01                               | 189.03 | 7.13                                | 190.33 | 3.00                                | 191.59 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 21-Apr-92 | 23:12:14 | 1.02                               | 189.04 | 7.14                                | 190.34 | 3.00                                | 191.59 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 23:27:14 | 1.02                               | 189.04 | 7.14                                | 190.34 | 3.00                                | 191.59 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 23:42:14 | 1.02                               | 189.04 | 7.23                                | 190.43 | 3.01                                | 191.60 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 21-Apr-92 | 23:57:14 | 1.02                               | 189.04 | 7.22                                | 190.42 | 3.01                                | 191.60 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 22-Apr-92 | 00:12:14 | 1.02                               | 189.04 | 7.22                                | 190.42 | 3.01                                | 191.60 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 22-Apr-92 | 00:27:14 | 1.02                               | 189.04 | 7.23                                | 190.43 | 3.02                                | 191.61 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 22-Apr-92 | 00:42:14 | 1.02                               | 189.04 | 7.22                                | 190.42 | 3.02                                | 191.61 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 22-Apr-92 | 00:57:14 | 1.02                               | 189.04 | 7.22                                | 190.42 | 3.02                                | 191.61 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 22-Apr-92 | 01:12:14 | 1.02                               | 189.04 | 7.22                                | 190.42 | 3.03                                | 191.62 | 15.84                               | 191.76 | 8.16                                | 189.95 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PRN  
 DataFile B:\STORMH2O  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 22-Apr-92 | 01:27:14 | 1.02                               | 189.04 | 7.23                                | 190.43 | 3.03                                | 191.62 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 22-Apr-92 | 01:42:14 | 1.02                               | 189.04 | 7.23                                | 190.43 | 3.01                                | 191.60 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 22-Apr-92 | 01:57:14 | 1.02                               | 189.04 | 7.24                                | 190.44 | 3.02                                | 191.61 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 22-Apr-92 | 02:12:14 | 1.02                               | 189.04 | 7.22                                | 190.42 | 3.02                                | 191.61 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 22-Apr-92 | 02:27:14 | 1.02                               | 189.04 | 7.22                                | 190.42 | 3.02                                | 191.61 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 22-Apr-92 | 02:42:14 | 1.02                               | 189.04 | 7.22                                | 190.42 | 3.01                                | 191.60 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 22-Apr-92 | 02:57:14 | 1.02                               | 189.04 | 7.22                                | 190.42 | 3.02                                | 191.61 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 22-Apr-92 | 03:12:14 | 1.02                               | 189.04 | 7.22                                | 190.42 | 3.02                                | 191.61 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 22-Apr-92 | 03:27:14 | 1.02                               | 189.04 | 7.21                                | 190.41 | 3.02                                | 191.61 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 22-Apr-92 | 03:42:14 | 1.03                               | 189.05 | 7.21                                | 190.41 | 3.04                                | 191.63 | 15.84                               | 191.76 | 8.16                                | 189.95 |
| 22-Apr-92 | 03:57:14 | 1.03                               | 189.05 | 7.22                                | 190.42 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 22-Apr-92 | 04:12:14 | 1.03                               | 189.05 | 7.22                                | 190.42 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 22-Apr-92 | 04:27:14 | 1.03                               | 189.05 | 7.20                                | 190.40 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 22-Apr-92 | 04:42:14 | 1.05                               | 189.07 | 7.21                                | 190.41 | 3.05                                | 191.64 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 22-Apr-92 | 04:57:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.05                                | 191.64 | 15.84                               | 191.76 | 8.17                                | 189.96 |
| 22-Apr-92 | 05:12:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.05                                | 191.64 | 15.84                               | 191.76 | 8.17                                | 189.96 |
| 22-Apr-92 | 05:27:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.05                                | 191.64 | 15.84                               | 191.76 | 8.18                                | 189.97 |
| 22-Apr-92 | 05:42:14 | 1.07                               | 189.09 | 7.22                                | 190.42 | 3.05                                | 191.64 | 15.84                               | 191.76 | 8.17                                | 189.96 |
| 22-Apr-92 | 05:57:14 | 1.07                               | 189.09 | 7.22                                | 190.42 | 3.05                                | 191.64 | 15.84                               | 191.76 | 8.17                                | 189.96 |
| 22-Apr-92 | 06:12:14 | 1.06                               | 189.08 | 7.21                                | 190.41 | 3.05                                | 191.64 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 22-Apr-92 | 06:27:14 | 1.06                               | 189.08 | 7.21                                | 190.41 | 3.05                                | 191.64 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 22-Apr-92 | 06:42:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 22-Apr-92 | 06:57:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 22-Apr-92 | 07:12:14 | 1.06                               | 189.08 | 7.21                                | 190.41 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 22-Apr-92 | 07:27:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.04                                | 191.63 | 15.83                               | 191.74 | 8.16                                | 189.95 |
| 22-Apr-92 | 07:42:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 22-Apr-92 | 07:57:14 | 1.06                               | 189.08 | 7.21                                | 190.41 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 22-Apr-92 | 08:12:14 | 1.06                               | 189.08 | 7.20                                | 190.40 | 3.04                                | 191.63 | 15.83                               | 191.74 | 8.17                                | 189.96 |
| 22-Apr-92 | 08:27:14 | 1.06                               | 189.08 | 7.23                                | 190.43 | 3.04                                | 191.63 | 15.83                               | 191.74 | 8.17                                | 189.96 |
| 22-Apr-92 | 08:42:14 | 1.06                               | 189.08 | 7.21                                | 190.41 | 3.04                                | 191.63 | 15.83                               | 191.74 | 8.16                                | 189.95 |
| 22-Apr-92 | 08:57:14 | 1.06                               | 189.08 | 7.21                                | 190.41 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 22-Apr-92 | 09:12:14 | 1.06                               | 189.08 | 7.21                                | 190.41 | 3.04                                | 191.63 | 15.82                               | 191.74 | 8.16                                | 189.95 |
| 22-Apr-92 | 09:27:14 | 1.06                               | 189.08 | 7.20                                | 190.40 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 22-Apr-92 | 09:42:14 | 1.06                               | 189.08 | 7.21                                | 190.41 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 22-Apr-92 | 09:57:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 22-Apr-92 | 10:12:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 22-Apr-92 | 10:27:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 22-Apr-92 | 10:42:14 | 1.06                               | 189.08 | 7.21                                | 190.41 | 3.03                                | 191.62 | 15.82                               | 191.74 | 8.16                                | 189.95 |
| 22-Apr-92 | 10:57:14 | 1.06                               | 189.08 | 7.21                                | 190.41 | 3.04                                | 191.63 | 15.82                               | 191.74 | 8.16                                | 189.95 |
| 22-Apr-92 | 11:12:14 | 1.06                               | 189.08 | 7.21                                | 190.41 | 3.03                                | 191.62 | 15.82                               | 191.74 | 8.17                                | 189.96 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PRN  
 DataFile B:\STORMH2O  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 22-Apr-92 | 11:27:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.04                                | 191.63 | 15.82                               | 191.74 | 8.17                                | 189.96 |
| 22-Apr-92 | 11:42:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 22-Apr-92 | 11:57:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.05                                | 191.64 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 22-Apr-92 | 12:12:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.05                                | 191.64 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 22-Apr-92 | 12:27:14 | 1.07                               | 189.09 | 7.22                                | 190.42 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.18                                | 189.97 |
| 22-Apr-92 | 12:42:14 | 1.07                               | 189.09 | 7.21                                | 190.41 | 3.05                                | 191.64 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 22-Apr-92 | 12:57:14 | 1.08                               | 189.10 | 7.21                                | 190.41 | 3.05                                | 191.64 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 22-Apr-92 | 13:12:14 | 1.09                               | 189.11 | 7.22                                | 190.42 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.18                                | 189.97 |
| 22-Apr-92 | 13:27:14 | 1.11                               | 189.13 | 7.25                                | 190.45 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.19                                | 189.98 |
| 22-Apr-92 | 13:42:14 | 1.12                               | 189.14 | 7.25                                | 190.45 | 3.05                                | 191.64 | 15.83                               | 191.75 | 8.20                                | 189.99 |
| 22-Apr-92 | 13:57:14 | 1.13                               | 189.15 | 7.25                                | 190.45 | 3.06                                | 191.65 | 15.84                               | 191.76 | 8.20                                | 189.99 |
| 22-Apr-92 | 14:12:14 | 1.15                               | 189.17 | 7.29                                | 190.49 | 3.06                                | 191.65 | 15.84                               | 191.76 | 8.21                                | 190.00 |
| 22-Apr-92 | 14:27:14 | 1.16                               | 189.18 | 7.31                                | 190.51 | 3.06                                | 191.65 | 15.84                               | 191.76 | 8.21                                | 190.00 |
| 22-Apr-92 | 14:42:14 | 1.15                               | 189.17 | 7.31                                | 190.51 | 3.06                                | 191.65 | 15.84                               | 191.76 | 8.21                                | 190.00 |
| 22-Apr-92 | 14:57:14 | 1.14                               | 189.16 | 7.31                                | 190.51 | 3.06                                | 191.65 | 15.85                               | 191.77 | 8.22                                | 190.01 |
| 22-Apr-92 | 15:12:14 | 1.13                               | 189.15 | 7.31                                | 190.51 | 3.06                                | 191.65 | 15.84                               | 191.76 | 8.22                                | 190.01 |
| 22-Apr-92 | 15:27:14 | 1.11                               | 189.13 | 7.31                                | 190.51 | 3.10                                | 191.69 | 15.85                               | 191.77 | 8.21                                | 190.00 |
| 22-Apr-92 | 15:42:14 | 1.10                               | 189.12 | 7.30                                | 190.50 | 3.07                                | 191.66 | 15.85                               | 191.77 | 8.21                                | 190.00 |
| 22-Apr-92 | 15:57:14 | 1.09                               | 189.11 | 7.29                                | 190.49 | 3.10                                | 191.69 | 15.85                               | 191.77 | 8.21                                | 190.00 |
| 22-Apr-92 | 16:12:14 | 1.08                               | 189.10 | 7.29                                | 190.49 | 3.05                                | 191.64 | 15.84                               | 191.76 | 8.20                                | 189.99 |
| 22-Apr-92 | 16:27:14 | 1.08                               | 189.10 | 7.28                                | 190.48 | 3.06                                | 191.65 | 15.85                               | 191.77 | 8.20                                | 189.99 |
| 22-Apr-92 | 16:42:14 | 1.07                               | 189.09 | 7.28                                | 190.48 | 3.05                                | 191.64 | 15.85                               | 191.77 | 8.20                                | 189.99 |
| 22-Apr-92 | 16:57:14 | 1.07                               | 189.09 | 7.28                                | 190.48 | 3.06                                | 191.65 | 15.85                               | 191.77 | 8.20                                | 189.99 |
| 22-Apr-92 | 17:12:14 | 1.06                               | 189.08 | 7.27                                | 190.47 | 3.05                                | 191.64 | 15.85                               | 191.77 | 8.19                                | 189.98 |
| 22-Apr-92 | 17:27:14 | 1.06                               | 189.08 | 7.27                                | 190.47 | 3.06                                | 191.65 | 15.84                               | 191.76 | 8.19                                | 189.98 |
| 22-Apr-92 | 17:42:14 | 1.06                               | 189.08 | 7.27                                | 190.47 | 3.04                                | 191.63 | 15.85                               | 191.77 | 8.19                                | 189.98 |
| 22-Apr-92 | 17:57:14 | 1.06                               | 189.08 | 7.27                                | 190.47 | 3.04                                | 191.63 | 15.85                               | 191.77 | 8.19                                | 189.98 |
| 22-Apr-92 | 18:12:14 | 1.06                               | 189.08 | 7.27                                | 190.47 | 3.04                                | 191.63 | 15.85                               | 191.77 | 8.18                                | 189.97 |
| 22-Apr-92 | 18:27:14 | 1.06                               | 189.08 | 7.26                                | 190.46 | 3.04                                | 191.63 | 15.85                               | 191.77 | 8.19                                | 189.98 |
| 22-Apr-92 | 18:42:14 | 1.06                               | 189.08 | 7.27                                | 190.47 | 3.04                                | 191.63 | 15.85                               | 191.77 | 8.19                                | 189.98 |
| 22-Apr-92 | 18:57:14 | 1.07                               | 189.09 | 7.27                                | 190.47 | 3.03                                | 191.62 | 15.84                               | 191.76 | 8.19                                | 189.98 |
| 22-Apr-92 | 19:12:14 | 1.07                               | 189.09 | 7.27                                | 190.47 | 3.03                                | 191.62 | 15.85                               | 191.77 | 8.19                                | 189.98 |
| 22-Apr-92 | 19:27:14 | 1.07                               | 189.09 | 7.27                                | 190.47 | 3.02                                | 191.61 | 15.84                               | 191.76 | 8.19                                | 189.98 |
| 22-Apr-92 | 19:42:14 | 1.07                               | 189.09 | 7.26                                | 190.46 | 3.03                                | 191.62 | 15.84                               | 191.76 | 8.19                                | 189.98 |
| 22-Apr-92 | 19:57:14 | 1.07                               | 189.09 | 7.26                                | 190.46 | 3.02                                | 191.61 | 15.84                               | 191.76 | 8.18                                | 189.97 |
| 22-Apr-92 | 20:12:14 | 1.07                               | 189.09 | 7.27                                | 190.47 | 3.03                                | 191.62 | 15.84                               | 191.76 | 8.19                                | 189.98 |
| 22-Apr-92 | 20:27:14 | 1.07                               | 189.09 | 7.25                                | 190.45 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.18                                | 189.97 |
| 22-Apr-92 | 20:42:14 | 1.07                               | 189.09 | 7.26                                | 190.46 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.18                                | 189.97 |
| 22-Apr-92 | 20:57:14 | 1.07                               | 189.09 | 7.25                                | 190.45 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.18                                | 189.97 |
| 22-Apr-92 | 21:12:14 | 1.07                               | 189.09 | 7.25                                | 190.45 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.18                                | 189.97 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PRN  
 DataFile B:\STORMH20  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... |        | Analog#02<br>MW-3 5psi..<br>FT..... |        | Analog#03<br>MW-3D 5psi.<br>ft..... |        | Analog#04<br>MW-2D 10psi<br>ft..... |        | Analog#05<br>Mw-2 5psi..<br>ft..... |        |
|-----------|----------|------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|-------------------------------------|--------|
|           |          | MW-2                               | SWB-1  | MW-3                                | 6.75'  | MW-3D                               |        | MW-2D                               |        | MW-2                                |        |
| 22-Apr-92 | 21:27:14 | 1.06                               | 189.08 | 7.24                                | 190.44 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.18                                | 189.97 |
| 22-Apr-92 | 21:42:14 | 1.06                               | 189.08 | 7.24                                | 190.44 | 3.03                                | 191.62 | 15.82                               | 191.74 | 8.17                                | 189.96 |
| 22-Apr-92 | 21:57:14 | 1.07                               | 189.09 | 7.24                                | 190.44 | 3.03                                | 191.62 | 15.82                               | 191.74 | 8.18                                | 189.97 |
| 22-Apr-92 | 22:12:14 | 1.06                               | 189.08 | 7.24                                | 190.44 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.18                                | 189.97 |
| 22-Apr-92 | 22:27:14 | 1.07                               | 189.09 | 7.24                                | 190.44 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.18                                | 189.97 |
| 22-Apr-92 | 22:42:14 | 1.06                               | 189.08 | 7.24                                | 190.44 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.18                                | 189.97 |
| 22-Apr-92 | 22:57:14 | 1.06                               | 189.08 | 7.25                                | 190.45 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.18                                | 189.97 |
| 22-Apr-92 | 23:12:14 | 1.06                               | 189.08 | 7.24                                | 190.44 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.18                                | 189.97 |
| 22-Apr-92 | 23:27:14 | 1.06                               | 189.08 | 7.24                                | 190.44 | 3.04                                | 191.63 | 15.84                               | 191.76 | 8.18                                | 189.97 |
| 22-Apr-92 | 23:42:14 | 1.07                               | 189.09 | 7.23                                | 190.43 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 22-Apr-92 | 23:57:14 | 1.07                               | 189.09 | 7.23                                | 190.43 | 3.04                                | 191.63 | 15.83                               | 191.75 | 8.18                                | 189.97 |
| 23-Apr-92 | 00:12:14 | 1.06                               | 189.08 | 7.23                                | 190.43 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.18                                | 189.97 |
| 23-Apr-92 | 00:27:14 | 1.06                               | 189.08 | 7.23                                | 190.43 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 23-Apr-92 | 00:42:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 23-Apr-92 | 00:57:14 | 1.06                               | 189.08 | 7.22                                | 190.42 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 23-Apr-92 | 01:12:14 | 1.05                               | 189.07 | 7.22                                | 190.42 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 23-Apr-92 | 01:27:14 | 1.05                               | 189.07 | 7.22                                | 190.42 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 23-Apr-92 | 01:42:14 | 1.05                               | 189.07 | 7.22                                | 190.42 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 23-Apr-92 | 01:57:14 | 1.05                               | 189.07 | 7.21                                | 190.41 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 23-Apr-92 | 02:12:14 | 1.05                               | 189.07 | 7.22                                | 190.42 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 23-Apr-92 | 02:27:14 | 1.05                               | 189.07 | 7.21                                | 190.41 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 23-Apr-92 | 02:42:14 | 1.04                               | 189.06 | 7.22                                | 190.42 | 3.03                                | 191.62 | 15.83                               | 191.75 | 8.17                                | 189.96 |
| 23-Apr-92 | 02:57:14 | 1.04                               | 189.06 | 7.22                                | 190.42 | 3.03                                | 191.62 | 15.83                               | 191.74 | 8.16                                | 189.95 |
| 23-Apr-92 | 03:12:14 | 1.04                               | 189.06 | 7.21                                | 190.41 | 3.02                                | 191.61 | 15.83                               | 191.74 | 8.16                                | 189.95 |
| 23-Apr-92 | 03:27:14 | 1.04                               | 189.06 | 7.21                                | 190.41 | 3.02                                | 191.61 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 23-Apr-92 | 03:42:14 | 1.04                               | 189.06 | 7.21                                | 190.41 | 3.02                                | 191.61 | 15.82                               | 191.74 | 8.16                                | 189.95 |
| 23-Apr-92 | 03:57:14 | 1.04                               | 189.06 | 7.21                                | 190.41 | 3.02                                | 191.61 | 15.83                               | 191.75 | 8.16                                | 189.95 |
| 23-Apr-92 | 04:12:14 | 1.04                               | 189.06 | 7.21                                | 190.41 | 3.02                                | 191.61 | 15.83                               | 191.74 | 8.16                                | 189.95 |
| 23-Apr-92 | 04:27:14 | 1.04                               | 189.06 | 7.21                                | 190.41 | 3.02                                | 191.61 | 15.82                               | 191.74 | 8.16                                | 189.95 |
| 23-Apr-92 | 04:42:14 | 1.04                               | 189.06 | 7.21                                | 190.41 | 3.02                                | 191.61 | 15.82                               | 191.74 | 8.16                                | 189.95 |
| 23-Apr-92 | 04:57:14 | 1.04                               | 189.06 | 7.21                                | 190.41 | 3.02                                | 191.61 | 15.82                               | 191.74 | 8.16                                | 189.95 |
| 23-Apr-92 | 05:12:14 | 1.04                               | 189.06 | 7.21                                | 190.41 | 3.02                                | 191.61 | 15.82                               | 191.74 | 8.15                                | 189.94 |
| 23-Apr-92 | 05:27:14 | 1.04                               | 189.06 | 7.20                                | 190.40 | 3.02                                | 191.61 | 15.82                               | 191.73 | 8.15                                | 189.94 |
| 23-Apr-92 | 05:42:14 | 1.04                               | 189.06 | 7.20                                | 190.40 | 3.02                                | 191.61 | 15.82                               | 191.74 | 8.15                                | 189.94 |
| 23-Apr-92 | 05:57:14 | 1.04                               | 189.06 | 7.20                                | 190.40 | 3.01                                | 191.60 | 15.82                               | 191.74 | 8.15                                | 189.94 |
| 23-Apr-92 | 06:12:14 | 1.03                               | 189.05 | 7.20                                | 190.40 | 3.02                                | 191.61 | 15.82                               | 191.74 | 8.15                                | 189.94 |
| 23-Apr-92 | 06:27:14 | 1.03                               | 189.05 | 7.20                                | 190.40 | 3.01                                | 191.60 | 15.82                               | 191.73 | 8.15                                | 189.94 |
| 23-Apr-92 | 06:42:14 | 1.03                               | 189.05 | 7.20                                | 190.40 | 3.01                                | 191.60 | 15.81                               | 191.73 | 8.15                                | 189.94 |
| 23-Apr-92 | 06:57:14 | 1.03                               | 189.05 | 7.19                                | 190.39 | 3.01                                | 191.60 | 15.81                               | 191.73 | 8.15                                | 189.94 |
| 23-Apr-92 | 07:12:14 | 1.03                               | 189.05 | 7.19                                | 190.39 | 3.01                                | 191.60 | 15.81                               | 191.73 | 8.14                                | 189.93 |

Date Monday April 27, 1992 9:23 AM  
 PlotFile B:\STORMH01.PRN  
 DataFile B:\STORMH20  
 ITT Storm Water  
 Time of First Log in Specified Window  
 33710.6439 0.643909

ITT - Sealectro  
 Mamaroneck, New York  
 Ground Water Levels  
 April 23, 1992

| Date      | Time     | Analog#01<br>river.....<br>FT..... | Analog#02<br>MW-3 5psi..<br>FT..... | Analog#03<br>MW-3D 5psi.<br>ft..... | Analog#04<br>MW-2D 10psi<br>ft..... | Analog#05<br>Mw 2 5psi..<br>ft..... |        |       |        |      |        |
|-----------|----------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------|-------|--------|------|--------|
|           | MW-2     | SWB-1                              | MW-3                                | 6.75'                               | MW-3D                               | MW-2D                               |        |       |        |      |        |
| 23-Apr-92 | 07:27:14 | 1.03                               | 189.05                              | 7.19                                | 190.39                              | 3.01                                | 191.60 | 15.81 | 191.73 | 8.14 | 189.93 |
| 23-Apr-92 | 07:42:14 | 1.03                               | 189.05                              | 7.21                                | 190.41                              | 3.01                                | 191.60 | 15.81 | 191.73 | 8.14 | 189.93 |
| 23-Apr-92 | 07:57:14 | 1.03                               | 189.05                              | 7.19                                | 190.39                              | 3.01                                | 191.60 | 15.81 | 191.73 | 8.14 | 189.93 |
| 23-Apr-92 | 08:12:14 | 1.03                               | 189.05                              | 7.19                                | 190.39                              | 3.01                                | 191.60 | 15.81 | 191.73 | 8.15 | 189.94 |
| 23-Apr-92 | 08:27:14 | 1.03                               | 189.05                              | 7.20                                | 190.40                              | 3.01                                | 191.60 | 15.81 | 191.73 | 8.15 | 189.94 |
| 23-Apr-92 | 08:42:14 | 1.03                               | 189.05                              | 7.19                                | 190.39                              | 3.01                                | 191.60 | 15.81 | 191.73 | 8.15 | 189.94 |
| 23-Apr-92 | 08:57:14 | 1.02                               | 189.04                              | 7.19                                | 190.39                              | 3.00                                | 191.59 | 15.80 | 191.72 | 8.14 | 189.93 |
| 23-Apr-92 | 09:12:14 | 1.02                               | 189.04                              | 7.19                                | 190.39                              | 2.99                                | 191.58 | 15.80 | 191.72 | 8.14 | 189.93 |
| 23-Apr-92 | 09:27:14 | 1.01                               | 189.03                              | 7.19                                | 190.39                              | 2.99                                | 191.58 | 15.80 | 191.72 | 8.14 | 189.93 |
| 23-Apr-92 | 09:42:14 | 1.01                               | 189.03                              | 7.18                                | 190.38                              | 2.99                                | 191.58 | 15.80 | 191.72 | 8.14 | 189.93 |

**APPENDIX I**  
**GROUND WATER FLOW COLLECTION**

ITT SEAELECTRO  
MAMARONECK, NEW YORK

GROUND WATER FLOW CALCULATIONS:

SHALLOW UNIT

K = Hydraulic Conductivity

$$\begin{aligned} K \quad (\text{max}) &= 2.1 \times 10^{-3} \text{ cm/sec (6.0 ft/day)} \\ (\text{min}) &= 3.6 \times 10^{-4} \text{ cm/sec (1.0 ft/day)} \end{aligned}$$

i = Hydraulic Gradient

$$\begin{aligned} i \quad (\text{max}) &= 0.006 \text{ ft/ft} \\ (\text{min}) &= 0.004 \text{ ft/ft} \end{aligned}$$

A = Cross-Sectional Area (Parallel to River)  
 $280 \text{ ft} \times 10 \text{ ft} = 2800 \text{ ft}^2$

n = Assumed Porosity = 0.4 (Fetter, 1980)

V =  $Ki/n$

$$\begin{aligned} V(\text{min}) &= 3.6 \times 10^{-4} \text{ cm/sec} \times 0.004 \text{ ft/ft} / 0.4 = 3.6 \times 10^{-6} \text{ cm/sec} \\ &= 3.6 \times 10^{-6} \text{ cm/sec} \times 86,400 \text{ sec/day} \times 1 \text{ ft} / 30.48 \text{ cm} = 1.0 \times 10^{-2} \text{ ft/day} \times 365 \text{ day/yr} \\ &= 3.7 \text{ ft/yr} \end{aligned}$$

$$\begin{aligned} V(\text{max}) &= 2.1 \times 10^{-3} \text{ cm/sec} \times 0.006 \text{ ft/ft} / 0.4 = 3.2 \times 10^{-5} \text{ cm/sec} \\ &= 3.2 \times 10^{-5} \text{ cm} \times 86,400 \text{ sec/day} \times 1 \text{ ft} / 30.48 \text{ cm} = 0.09 \text{ ft/day} \times 365 \text{ day/yr} \\ &= 33 \text{ ft/yr} \end{aligned}$$

Q = K \* i \* A

$$\begin{aligned} Q(\text{min}) &= 1.0 \text{ ft/day} \times 0.004 \text{ ft/ft} \times 2,800 \text{ ft}^2 = 11.2 \text{ ft}^3/\text{day} \times 7.48 \text{ gal/ft}^3 \\ &= 84 \text{ gal/day} \end{aligned}$$

$$\begin{aligned} Q(\text{min}) &= 6.0 \text{ ft/day} \times 0.006 \text{ ft/ft} \times 2,800 \text{ ft}^2 = 100.8 \text{ ft}^3/\text{day} \times 7.48 \text{ gal/ft}^3 \\ &= 7543 \text{ gal/day} \end{aligned}$$

## DEEP UNIT

K = Hydraulic Conductivity

$$\begin{aligned} K \quad (\text{max}) &= 1.7 \times 10^{-3} \text{ cm/sec (4.8 ft/day)} \\ (\text{min}) &= 1.0 \times 10^{-4} \text{ cm/sec (.28 ft/day)} \end{aligned}$$

i = Hydraulic Gradient

$$i = 0.001 \text{ ft/ft}$$

A = Cross-Sectional Area (Parallel to River)  
 $280 \text{ ft} \times 19 \text{ ft} = 5320 \text{ ft}^2$

n = Assumed Porosity = 0.3 (Fetter, 1980)

V =  $Ki/n$

$$\begin{aligned} V(\text{min}) &= 1.0 \times 10^{-4} \text{ cm/sec} \times 0.001 \text{ ft/ft} / 0.3 = 3.3 \times 10^{-7} \text{ cm/sec} \\ &3.3 \times 10^{-7} \text{ cm/sec} \times 86,400 \text{ sec/day} \times 1 \text{ ft}/30.48 = 9.4 \times 10^{-4} \text{ ft/day} \times 365 \text{ day/yr} \\ &= 0.34 \text{ ft/yr} \end{aligned}$$

$$\begin{aligned} V(\text{max}) &= 1.7 \times 10^{-3} \text{ cm/sec} \times 0.001 \text{ ft/ft} / 0.3 = 5.7 \times 10^{-6} \text{ cm/sec} \\ &5.7 \times 10^{-6} \times 10^{-5} \text{ cm/sec} \times 86,400 \text{ sec/day} \times 1 \text{ ft}/30.48 \text{ cm} = 0.016 \text{ ft/day} \times 365 \text{ day/yr} \\ &= 5.8 \text{ ft/yr} \end{aligned}$$

Q =  $K \cdot i \cdot A$

$$\begin{aligned} Q(\text{min}) &= 0.28 \text{ ft/day} \times 0.001 \text{ ft/ft} \times 5,320 \text{ ft}^2 = 1.5 \text{ ft}^3/\text{day} \times 7.48 \text{ gal/ft}^3 \\ &= 11 \text{ gal/day} \end{aligned}$$

$$\begin{aligned} Q(\text{max}) &= 4.8 \text{ ft/day} \times 0.001 \text{ ft/ft} \times 5,320 \text{ ft}^2 = 25.5 \text{ ft}^3/\text{day} \times 7.48 \text{ gal/ft}^3 \\ &= 191 \text{ gal/day} \end{aligned}$$

PGB:ers/ITT011.13