June 22, 2004
Final

# VOLUME I

# Phase I/II Environmental Site Assessment Wright-Malta Site Malta Test Road Towns of Malta and Stillwater Saratoga County, New York

*Prepared for:*

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# PHASE I/II
# ENVIRONMENTAL SITE ASSESSMENT REPORT
# WRIGHT-MALTA SITE

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## EXECUTIVE SUMMARY

The Wright-Malta Site consists of approximately 164 acres, located west of Cold Spring Road and south of Dunning Street and Plains Road in the Towns of Malta and Stillwater, Saratoga County, New York. Wright-Malta is comprised of four (4) tax parcels under the ownership of Wright-Malta Corporation. The Wright-Malta Corporation parcels and a fifth parcel of land owned by the New York State Energy Research & Development Authority (NYSERDA) are identified as the Malta Rocket Fuel Area (MRFA), which is classified by the New York State Department of Environmental Conservation (NYSDEC) and the United States Environmental Protection Agency (USEPA) as an inactive hazardous waste site.

The MRFA is defined as an area encompassing 445 acres, 164 of which are known as the Malta Test Station (currently occupied by Wright-Malta) and 280 acres of predominately undeveloped forest and one (1) building owned by NYSERDA. The building on the NYSERDA property was formerly occupied by GE/Exxon and others.

The U.S. Government established the MRFA in 1945, and since then, it has been used for a wide range of rocket and weapons testing programs, and for space research. The MRFA has been the subject of numerous environmental related investigations and studies dating back to the late 1970s. The identification of contamination on the MRFA led to the listing of the site as a National Priorities List (NPL) site in July 1987.

During the period from 1986 through 1990 numerous investigations of the MRFA were performed. A remedial investigation (RI) characterizing the environmental conditions at the MRFA was completed in 1995. In conjunction with the RI, a feasibility study (FS) of remedial alternatives was prepared in 1995 for the identified contamination. A Record of Decision (ROD) based on the findings of the RI and FS was issued by the EPA on July 18, 1996. The ROD provides the selected remedy for the MRFA and identifies the General Electric Company (GE) as the principal responsible party (PRP) for site remediation, including on-going groundwater monitoring and groundwater treatment. Various remedial activities including installation of an air stripper tower to treat drinking water, tank closures, septic system, catch basin, dry well and sump cleanouts, and the removal of buried drums,

cylinders and contaminated soil have been completed at the MRFA by GE. No further remedial action has been proposed or is contemplated by the USEPA.

This Phase I/II Environmental Site Assessment addresses only the Wright-Malta portion of the MRFA facility.

The Phase II ESA activities included a ground penetrating radar (GPR) survey, a material inventory, the collection of surface soil samples beneath and adjacent to electrical transformers, and a subsurface investigation which included the advancement of soil borings some of which were converted to groundwater monitoring wells, the collection of soil samples for field volatile organic compound (VOC) vapor screening, and the collection and analysis of soil and groundwater samples for laboratory analysis.

Based on the results of the GPR survey and observation of the site, several underground storage tanks (USTs) are known or are suspected to exist within the site. Soil borings were completed at each of the known and suspect UST locations. As evidence of contamination was noted at one UST location, the NYSDEC was notified of the potential release and a spill number was assigned to the site.

Analytical results for all of the soil samples collected at the UST boring locations did not reveal contaminant levels above their respective NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 Recommended Soil Cleanup Objective Values, including the two (2) soil samples collected from the spill area.

Only three (3) of the borings were converted into groundwater monitoring wells. The analytical results from these monitoring wells did not reveal concentrations of volatile or semi volatile organic compounds above NYSDEC groundwater standards with the exception of the groundwater sample from the spill area. Contaminants detected in this area were only slightly above their respective NYSDEC groundwater standard or guidance values.

Soil borings were also completed at eleven (11) drainage features. Analytical results for the soil samples collected at each of the drainage features identified volatile and semi volatile organic compounds and pesticides above the method detection limit, however at concentrations below their respective NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Values. Three (3) Target Analyte List (TAL)

metals (Beryllium, Iron and Zinc) were detected at concentrations above their respective NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Values. Since each metal was detected at similar concentrations less than the background concentration for Eastern U.S. soils, these metals are not considered introduced contaminants, but rather natural occurrences. PCBs were not detected in the soil samples collected from the drainage locations.

Transformers at the subject site are likely to contain PCBs according to the site contact. Soil samples collected beneath pole mounted transformers or adjacent to pad mounted transformers revealed concentrations of PCBs at several locations. These levels were not above their respective NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Values.

A material inventory conducted at the site revealed a number of drums and containers which exist within the site. The majority of the materials inventoried, if abandoned or discarded, would be classified as hazardous wastes.

Suspect asbestos containing materials were identified within several of the site buildings including pipe insulation, boiler insulation, wall material (sheet rock/plaster), floor tile, mastic, linoleum, ceiling tile and transite.

The subject site is a portion of a hazardous waste facility which is listed as an NPL facility by the USEPA and a Class 2 facility by the NYSDEC. The selected remedy for groundwater is natural attenuation and degradation. On-site production wells are required to be treated on an as needed basis, for as long as the water supply is needed.

This Phase I/II ESA report was conducted by C.T. Male Associates, P.C. (C.T. Male) as requested by the Saratoga Economic Development Corporation (SEDC). The creation of this ESA report was assisted with a grant from Niagara Mohawk, A National Grid Company, through the NYS Public Service Commission approved Economic Development Plan.

## 1.0 INTRODUCTION

This report presents the findings of a combined Phase I/II Environmental Site Assessment conducted at the Wright-Malta Site which is located in the Towns of Malta and Stillwater, Saratoga County, New York.

The purpose of this site assessment was to reasonably identify recognized environmental conditions. A recognized environmental condition is defined as the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release. The finding of no recognized environmental conditions is not a warranty or guarantee that the site remains free from contamination. This environmental site assessment is designed to reduce, but not eliminate, uncertainty within reasonable limits of time and cost. Based on the results and findings of the Phase I ESA, a Phase II ESA scope of work was developed and implemented as presented herein.

This assessment is being completed to provide the innocent landowner defense to the Saratoga Economic Development Corporation, the prospective purchaser of the site.

The Phase I site assessment included a site visit/observation, a review of existing documents and environmental lists, and background research on the previous uses and practices at the subject site as reported and documented by site contacts and Local, State and County officials known to be responsible for regulating and enforcing site area environmental conditions. This site assessment has been performed in general conformance with the scope and limitations as outlined in ASTM E 1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This site assessment did not include a review of non-scope issues as identified by ASTM E 1527 with the exception of asbestos containing materials and the Phase II activities as described within this report.

This site assessment was conducted by C.T. Male Associates, P.C. (C.T. Male) as requested by Mr. Jack Kelley of the Saratoga Economic Development Corporation (SEDC) in Saratoga Springs, New York.

The creation of this ESA report was assisted with a grant from Niagara Mohawk, A National Grid Company, through the NYS Public Service Commission approved Economic Development Plan.

Mr. Raymond Kazyaka, Jr. of Wright Malta Corporation was the site contact for this assessment.

## 2.0 SITE DESCRIPTION

### 2.1 Site Location

The subject site is located at 10 and 40 Malta Test Road (i.e., Hermes Road) in the Towns of Malta and Stillwater, Saratoga County, New York. The subject site was identified on the Town of Malta tax maps as being within the parcels with section 230, block 1 and lots 14.2 and 14.12 and the Town of Stillwater tax maps as being within the parcels with section 241, block 1 and lots 1.1 and 1.2. A site location map is included in Appendix A as Figure 1. A map showing the site property boundaries is included in Appendix A as Figure 2.

### 2.2 Property/Business Owner

According to assessment records, the current property owner is Wright-Malta Corporation of Ballston Spa, New York.

### 2.3 Current Site Uses

The subject site is currently used on a limited basis for the testing of weapons, primarily for and by the Watervliet Arsenal.

Wooded portions of the site were being logged during the conduct of our field work.

### 2.4 Former/Historic Site Uses

The site was established by the U.S. Government in 1945, and since then, it has been used for a wide range of rocket and weapons testing programs, and for space research.

### 2.5 Total Site Area and Topographic Description

The subject site incorporates approximately 164 acres of land. The topography of the site varies with areas of level land and areas of moderate slopes. According to the United States Geological Survey (USGS) Topographic Map, the subject site lies at approximately 330 feet above Mean Sea Level.

## 2.6 Site Geology

Soils are mapped by the Saratoga County Soil Survey as Oakville loamy fine sand. These soils are very deep, well drained to moderately well drained soils formed in water sorted sand. The site is located in an area where surficial geology is mapped as lacustrine delta, dunes and lacustrine sand. Lacustrine delta is described as stratified and well sorted coarse to fine gravel and sand. These soils range in thickness from 3-15 meters. Dunes are comprised of well sorted and stratified fine to medium sands which range in thickness from 1 to 10 meters. Lacustrine sand consists of well sorted and stratified quartz sand which varies in thickness from 2 to 20 meters. Bedrock is mapped as Canajoharie Shale.

## 2.7 Nearby Surface Water Bodies and Water Supply Wells

The closest public water supply wells to the project site are the Knapp Road well field and the Cold Springs Road well field. The Knapp Road well field is privately operated by the Saratoga Water Service which provides potable water to the Luther Forest residential community, which is located north and west of the site. Wells within the Cold Springs Road well field are owned by several private entities for different purposes. One well is owned by Saratoga Water Service which is connected to the Luther Forest distribution system and provides additional service along Cold Springs Road, Route 9P along the south end of Saratoga Lake and Plains Road. In addition to principally serving the Luther Forest residential community, Saratoga Water Services provides water to two (2) commercial users. The Saratoga Glen Hollow Water Supply Corporation owns two (2) of the groundwater wells in the Cold Springs Road well field. These wells provide public water to Saratoga Glen Hollow and Saratoga Ridge Townhouse developments.

Properties to the south, east and northeast of the site rely on private water supply wells.

Three streams are depicted as originating approximately 2,400 feet west, 2,600 feet south and 1,800 feet south of the site. These streams flow generally from the north to south. Black Pond is depicted approximately 3,600 feet east of the site.

## 2.8 Site Buildings and Structures

The site buildings and structures located on the site were for the most part constructed in the 1940s. A description of the site buildings, including their current and past uses, is presented in section 4.2. The buildings include the following:

- Building 1 Series, (Test Stands and associated sheds)
- Building 2 Series, (Test Stand, Control Room and associated sheds)
- Building 3 Series, (Test Stand, Control Room and associated sheds)
- Building 4 Series, (Test Stand, Control Room and associated sheds)
- Building 5 Series, (Test Stand, Control Room and associated sheds)
- Building 6 Series, (Test Stand, Control Room and associated sheds)
- Building 6H, Heater Building for Building 11 Series
- Building 7, Gas Plant
- Building 7H, Heater Building for the Gas Plant
- Building 8, Fuel Magazine
- Building 9, Fuel Magazine/Pump Assembly
- Building 10, Power House
- Building 11 Series Warehouses (11, 11A, 11B, 11C, 11D and 11S)
- Building 12, Records Storage Building/Tool House
- Building 13, Machine Shop
- Building 14, Office Building
- Building 15, Reservoir Building
- Building 16, Sentry House (No longer present)
- Building 17, Caretaker House/Office Building
- Building 18, Chemical Storage and Associated Sheds
- Building 18H, Heater Building for Chemical Storage
- Building 20, Chemical Plant
- Building 20H, Heater Building for Chemical Plant
- Building 20W, Shed
- Building 21, Ram Jet Lab
- Building 22, Fire Tower
- Building 23, Maintenance Building
- Building 23P, Paint Shed
- Building 24 Series, (Chemical Test Structures and Sheds)
- Building 25 Series, (Test Stand, Control Room, Warehouse and Storage Bunkers)
- Building 26, Vehicle Storage Shed (No longer present)
- Building 27 Series (27A, 27B, 27C and 27D, fuel storage magazines)
- Building 28, Fuel Additives Building
- Building 28H, Heater Building for Fuel Additives Building

- Building 29 Series, (Igniter and Powder Storage Magazines)
- Building 30, Boiler House

The site plan map, Figure 2 in Appendix A, depicts the locations of each of these structures.

### 2.9 Roadways or Driveways on or Adjoining the Site

The subject site is accessed by Malta Test Road. This road is also known as Hermes Road and becomes known as Road A as it enters the site. The main parking area for the site is accessed from Malta Test Road. A series of paved roadways traverses the interior of the site providing access to the site buildings. An unimproved driveway traverses the perimeter of the site.

### 2.10 Rights-of-Way and/or Easements (On-Site and Adjacent)

At the end of World War II the U.S. Army operated a top-secret testing facility on the Wright-Malta portion of the project site to duplicate the technological advances of German scientists in rocket technology, and deny such military technology to the Soviet Union. During this time, a one-mile "safety easement" was established over portions of the Luther Forest Corporation's property to provide a safety buffer for experimental rocket testing and ordinance firing. This safety easement covers approximately 1,800 acres of a circular area and prohibits human habitation.

Easements and restrictive covenants were issued by the USEPA within the ROD for the MRFA that prevent the extraction, consumption, exposure and/or utilization of the groundwater within the zone except for the limited purpose of using treated water from the two (2) Test Station water supply wells and for monitoring groundwater at the site. This treated groundwater is also used on the adjacent NYSERDA parcel.

### 2.11 Surrounding Land Uses

The subject site is surrounded by the one mile safety easement as described above. The easement area encompasses vacant wooded land. The land is used for recreational purposes including snowmobiling, hunting and horseback riding and is also used for logging.

## 3.0 SITE AND SURROUNDING AREA HISTORIC AND RECORDS REVIEW

### 3.1 Ownership Information

A quitclaim deed for the site indicates that a portion of the site was conveyed to Wright-Malta Corporation by The People of the State of New York acting by and through the New York State Energy Research and Development Authority (NYSERDA) in 1996.

According to a previous report prepared for the site (Literature Search for the Malta Rocket Fuel Area Superfund Site, prepared by Geraghty and Miller, Inc.), the State of New York purchased the site and other areas of the MRFA in 1964 and committed it to the New York State Atomic and Space Development Authority (NYSASDA) which became NYSERDA in 1975.

Wright-Malta Corporation leased the site from NYSASDA from 1972 to 1984 and purchased 81 acres of the site in 1984. The remaining acres were acquired in subsequent years from New York State.

The site was originally established by the US Government in 1945. At the time the site was used by General Electric (GE) which performed research for the US War Department, the US Army, the US Air Force, the Bureau of the Navy and for NASA.

Leases/agreements at the site have also included a lease to Power Technologies, Inc. (Building 25), Mechanical Technology, Inc. (Building 20), Curtiss-Wright (Building 24) and Olin Mathieson Chemical Corporation (Building 20).

As noted in section 2.10, the USEPA through the ROD established easements and restrictive covenants that were issued preventing the extraction, consumption, exposure and/or utilization of the groundwater within the zone except for the limited purpose of using treated water from the two (2) Test Station water supply wells and for monitoring groundwater at the site.

### 3.2 Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps do not provide coverage for the subject site.

### 3.3 Aerial Photographs

Aerial photographs were reviewed for the years 1952, 1968, 1970, 1973, 1978, 1982, 1986, 1990 and 1999 at the New York State Department of Transportation, Map Information Unit. Throughout these years the site appears to be similar to current day conditions. Original quality copies of the aerial photographs reviewed at the New York State Department of Transportation, Map Information Unit could not be obtained at the time of this report.

### 3.4 Information From the Local Historian

A Freedom of Information Law (FOIL) request was submitted to the Town of Malta Historian to confirm the previous use of the site. Other than a number of environmental related reports that document in part the historical uses of the site which are available at the Town of Malta Town Hall, the Historian reportedly did not have records for the subject site. These reports were reviewed and summarized in a document entitled "Malta Rocket Fuel Area Report, Luther Forest Technology Campus", prepared by C.T. Male Associates, P.C. and dated October 2002. This report is a publicly available document, previously included as Appendix Q to the Draft Generic Environmental Impact Statement (GEIS) for the proposed Luther Forest Technology Campus (LFTC). This report is available from both the Town of Malta's and SEDC's web sites.

A FOIL request was also submitted to the Town of Stillwater Historian. At the time of this report a response had not been received from the Town of Stillwater Historian. If pertinent information is received, it will be forwarded upon receipt.

### 3.5 Information From Health Department Official(s)

The New York State Department of Health is anticipated to have records of the site similar to those reviewed and provided by the Town of Malta, which is the repository location for records pertaining to the site's listing as a hazardous waste site.

### 3.6 Information From Other Local Official(s)

A FOIL request was submitted to the Malta Ridge Fire Department to determine if the Fire Department has records concerning spills, major fires or hazardous materials for the subject site. A FOIL request was also submitted to the Town of Stillwater Fire Department. At the time of this report a response had not been received from either Fire Department. If pertinent information is received, it will be forwarded upon receipt.

Property assessment cards were reviewed from the Town of Malta. The assessment records indicate a 5,000 gallon above ground storage tank was installed at Building 20 in 1991. The Town also provided a deed for the site. Property assessment records were requested from the Town of Stillwater. At the time of this report the Town of Stillwater had not provided the assessment records.

### 3.7 Information From Current or Former Property Owner(s)

Mr. Ray Kazyaka, Jr. of Wright-Malta Corporation was the site contact for this assessment and was interviewed following the site walkover. Information from Mr. Kazyaka, Jr. presented in the appropriate sections of this report.

### 3.8 Summary of Previous Environmental Assessments

During the period from 1986 through 1990, numerous environmental related investigations of the "listed" MRFA site were performed. A remedial investigation (RI) characterizing the environmental conditions at the site was completed in 1995. In conjunction with the RI, a feasibility study (FS) of remedial alternatives was prepared in 1995 for the identified contamination. A Record of Decision (ROD) based on the findings of the RI and FS was issued by the EPA on July 18, 1996. The ROD provides the selected remedy for the site. Various remedial activities including installation of an air stripper tower to treat groundwater, tank closures, septic system, catch basin, dry well and sump cleanouts, and the removal of buried drums, cylinders and contaminated soil have been completed at the site. No further remedial action has been proposed.

These previous reports as well as other environmental studies are summarized in a document entitled "Malta Rocket Fuel Area Report, Luther Forest Technology Campus", prepared by C.T. Male Associates, P.C. and dated October 2002.

### 3.9 ASTM Federal and State Database Review

Federal and state environmental databases were reviewed in accordance with ASTM E-1527 Standards to determine if the site or nearby surrounding properties are listed on these databases. The databases were searched for the areas within the ASTM recommended search distance, unless otherwise noted. Reviewed databases are listed below. A copy of the database report is included in Appendix D.

#### 3.9.1 Federal National Priorities List (NPL) Facilities

The subject site was identified as a NPL hazardous waste facility. The site is a portion of the MRFA which was proposed for inclusion on the Superfund National Priorities List (NPL) in June 1986 and was listed on the NPL in July 1987.

No NPL facilities were identified within one mile of the subject site other than the remaining portions of the MRFA.

#### 3.9.2 Federal CERCLA Hazardous Waste Facility List

The subject site was identified as a CERCLA hazardous waste facility. As noted above, the site is included on the NPL list. No CERCLA hazardous waste facilities were identified within ½ mile of the subject site other than the remaining portions of the MRFA.

#### 3.9.3 Federal Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal (TSD) Facilities List

The subject site was not identified as a RCRA TSD facility. No RCRA TSD facilities were identified within ½ mile of the subject site.

3.9.4 Federal RCRA Generators List and Corrective Action List

Five (5) tenants of the site, one (1) current and four (4) previous, were identified on the Resource Conservation and Recovery Act (RCRA) generators list, a list of generators of hazardous wastes. They are:

- Turbonetics Energy, Inc. (NYD982737173), Small Quantity Generator;
- Wright Malta Corp. (NYD986979425), Conditionally Exempt Small Quantity Generator;
- Lockheed Martin Defense Systems (NYD981559131), No Longer Regulated;
- NYS Energy Research and Development Authority (NYD099689845), No Longer Regulated and
- Power Technologies, Inc. (NYD981565393), No Longer Regulated

According to the database report, no enforcement information or violations are listed for these facilities.

No immediately adjoining properties were identified as RCRA generator facilities. Advanced Liquid Polymer System (NY0000989343), is located within NYSERDA property located northwest of the site. This facility however, is located approximately 6/10 mile from the subject site.

The subject site was not identified as a RCRA corrective action facility. No RCRA corrective action facilities were identified within one mile of the subject site.

3.9.5 Federal Emergency Response Notification System (ERNS) List

The subject site was not identified on the ERNS list.

3.9.6 State Hazardous Waste Facility List

The subject site was identified as a State inactive hazardous waste facility. The site is classified as a Class 2 facility. Class 2 facilities are those that pose a significant threat to the public health or environment and require action.

No State hazardous waste facilities were identified within one mile of the subject site other than the remaining portions of the MRFA.

3.9.7 State Solid Waste Facility List

The subject site was not identified on the State solid waste management facility list. No State listed solid waste facilities were identified within ½ mile of the subject site.

3.9.8 State Petroleum Bulk Storage (PBS) Tank Facilities

The site was identified on the State PBS facilities list.

Two (2) Petroleum Bulk Storage (PBS) registrations were identified for the site. The first registration is for the Wright-Malta - Building 20 with PBS No. 5-500593. Four (4) tanks are listed for this PBS number, three (3) are listed as "closed prior to 4/91", and the fourth as "administratively closed". The following tanks were identified:

| NYSDEC Reg. # | Type (AG/UG) | Capacity (Gallons) | Date Installed | Date Removed | Content | Location |
|---|---|---|---|---|---|---|
| 001 | UG | 550 | Unknown | Prior to 1991 | Fuel Oil | Building 20 |
| 002 | UG | 4,000 | 1978 | Prior to 1991 | Fuel Oil | Building 20 |
| 003 | UG | 5,000 | Unknown | Prior to 1991 | Fuel Oil | Building 20 |
| 006 | AG | 5,000 | 1990 | 1999+ | Fuel Oil | Building 20 |

+Administratively Closed

The second PBS registration is for Wright-Malta Corp. with PBS No. 5-600006. According to the registration, there are seven (7) tanks listed for the facility that were converted to non-regulated use. These tanks are also listed as having been closed in 1996, however, this also corresponds to the date in which heating oil tanks were exempted from the PBS regulations including registration. Twenty-one (21) tanks on this registration were identified as "closed by removal" and one (1) tank was identified as "temporarily out of service". Of the tanks, 22 are listed as underground and 7 are listed as above ground. The following tanks were identified on the registration:

**John Munsey**

**From:** "Jack R. Lebowitz" <JLebowitz@lemerygreisler.com>
**To:** "John Munsey" <j.munsey@ctmale.com>
**Cc:** "Scott Reid" <SReid@lemerygreisler.com>
**Sent:** Wednesday, April 13, 2005 11:26 AM
**Attach:** PBS_FacilityInfoRpt_5600006.pdf; Comment_PBS#5_600006.pdf; PBS_certificate_5_600006.pdf; PBS_FacilityInfoRpt_5500593.pdf; Comment_PBS#5_500593.pdf; 5600006_TransferofOwnershipApp.pdf
**Subject:** FW: Wright-Malta Corp.

Please see below and attachments and call us...

J

-----Original Message-----
From: Russell Mulvey [mailto:rbmulvey@gw.dec.state.ny.us]
Sent: Wednesday, April 13, 2005 11:22
To: Jack R. Lebowitz
Cc: Chris Lacombe; Michael DiPietro; Russell Huyck
Subject: Wright-Malta Corp.

Mr. Liebowitz,

Attached are a PBS certificate for the Wright-Malta Corp. facility (PBS#5-600006), the comment field for this facility showing that the 5,000 gallon tank formerly registered under PBS#5-500593 is now part of the Wright-Malta Corp.'s facility, the facility information report for the facility, and the facility information report and comment field for the Malta Rocket Fuel Area - Building 20 (PBS #5-500593).

It is my understanding that the Saratoga County Development Corporation (SCDC) took ownership of this site in the summer of 2004, but has yet to transfer the ownership of the PBS registration. As such the SCDC is in violation of 6NYCRR 612.2(b). Please use the attached PBS application for transferring the ownership as soon as possible. If you have any questions, please contact me. Thank you.

Russ Mulvey P.E.
NYSDEC Region 5
P.O. Box 296
Ray Brook NY 12977
(518) 897-1242
rbmulvey@gw.dec.state.ny.us

PBS # : 5-600006

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
## Petroleum Bulk Storage Program
## Facility Information Report

Printed : 4/13/2005

**Site:** WRIGHT-MALTA CORP.
PLAINS ROAD
BALLSTON SPA, NY 12020

Town: Ballston County: Saratoga
Operator: WRIGHT-MALTA CORP.
Phone: (518) 899-2227
Emergency : R. KAZYAKA
Phone: (518) 899-4833

**Owner:** WRIGHT-MALTA CORP.
PLAINS ROAD
BALLSTON SPA, NY 12020

(518) 899-2227
Owner Type : Corporate or Commercial

Auth Rep:

**Mail:** WRIGHT-MALTA CORP.
MALTA TEST STATION
PLAINS ROAD
BALLSTON SPA, NY 12020
ATTN: MR. R. KAZYAKA
(518) 899-2227

Site Status : Active
Site Type: : Manufacturing (Other than Chemical)/Proc
Total Active Tanks : 8
Active Capacity : 9,250

Reg Expires : 4/18/06
Cert Printed: 4/13/05

Last Inspected:
Inspected By:

SPDES #

CBS # :

| (2) Tank No | (3) Tank Loc | (4) Status | (5) Date Install | (5) Date Closed | (6) Capacity (gals) | (7) Product | (8) Tank Type | (9) Tank IP | (10) Tank EP | (11) Tank SC | (12) Tank LD | (13) Tank OP | (14) Tank SP | (15) Tank Disp | (16) Pipe Loc | (17) Pipe Type | (18) Pipe EP | (19) Pipe SC | (20) Pipe LD | (21) Date Test | (21) Next Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 005 | 5 | In Service | | | 550 | 0001 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | 09 | | |
| 007 | 5 | In Service | | | 550 | 0001 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | 09 | | |
| 011 | 5 | In Service | | | 550 | 0001 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | 09 | | |
| 018 | 5 | In Service | | | 550 | 0001 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | 09 | | |
| 113 | 5 | In Service | | | 1,000 | 0001 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | 09 | | |
| 128 | 5 | In Service | | | 550 | 0001 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | 09 | | |
| 130 | 5 | In Service | | | 500 | 0001 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | 09 | | |
| 600 | 3 | Temporarily Out of | 12/1/90 | | 5,000 | 0000 | 01 | 00 | 00 | 03 | 00 | 04 | | 02 | 01 | 01 | 06 | | 09 | | |
| 010 | 1 | Closed - Removed | | 3/1/92 | 350 | 0008 | 01 | 00 | 01 | 01 | 05 | 00 | | ZZ | 03 | 02 | 00 | | ZZ | | |
| 013 | 5 | Closed - Removed | | 9/1/98 | 10,000 | 0001 | 01 | 00 | 01 | 00 | 05 | 00 | | 02 | 03 | 02 | 00 | | ZZ | | |

**Action (1)**
1. Initial Listing
2. Add Tank
3. Close/Remove Tank
4. Information Correction
5. Recondition/Repair/ Reline Tank

**Tank Location (3)**
1. Aboveground-contact w/soil
2. Aboveground-contact w/ impervious barrier
3. Aboveground on saddles, legs, stilts, rack, or cradle
4. Aboveground with 10% or more below ground
5. Underground
6. Underground, vaulted, with access

**Status (4)**
1. In-service
2. Temporarily out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

**Product Stored (7)**
0000. Empty
0001. #2 Fuel Oil
0002. #4 Fuel Oil
0003. #6 Fuel Oil
0011. Jet Fuel
0008. Diesel
0009. Gasoline
0012. Kerosene
0013. Lube Oil
0022. Waste/Used Oil
0259. #5 Fuel Oil
2642. Used Oil (Fuel)
9999. Other -please list :*

**Tank Type (8)**
01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-please list:*

**Internal Protection (9)**
00. None
01. Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-please list:*

**External Protection (10/18)**
00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07. Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-please list:*

**Tank Leak Detection (12)**
00 None
01.Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03.Vapor Well
04. Groundwater Well
05. In-Tank System (ATG)
06. Impervious Barrier/Concrete Pad (A/G)
99. Other-please list:*

**Piping Type (17)**
00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-please list:*

**Overfill Prevention(13)**
00. None
01. Float Vent Valve
02.High Level Alarm
03. Automatic Shut-off
04. Product Level Gauge(A/G)
05. Vent Whistle
99. Other-please list:*

**Secondary Containment (11/19)**
00. None
01. Diking (A/G)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (U/G)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation/Trench Liner System
08. Flexible Internal Liner (Bladder)
09. Modified Double-Walled (A/G)
10. Impervious Underlayment
11. Double Bottom (A/G)
99. Other-please list:*

**Spill Prevention (14)**
00. None
01. Catch Basin
02. Transfer Station Containment
99. Other - Please list*

**Piping Location (16)**
00. No Piping
01. Aboveground
02. Underground/On-groun
03. Aboveground/Undergrc Combination

**Pipe Leak Detection (20)**
00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monito
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
08. Tank Top Sump (Piping)
09. Exempt Suction Piping
99. Other-please list:*

**Dispenser (15)**
00. None
01. Submersible
02. Suction
03. Gravity

*** If other, please list on a separate sheet including Tank Number**

PBS # : 5-600006

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
## Petroleum Bulk Storage Program
## Facility Information Report

Printed : 4/13/2005

**Site:** WRIGHT-MALTA CORP.
PLAINS ROAD
BALLSTON SPA, NY 12020

Town: Ballston County: Saratoga
Operator: WRIGHT-MALTA CORP.
Phone: (518) 899-2227
Emergency : R. KAZYAKA
Phone: (518) 899-4833

**Owner:** WRIGHT-MALTA CORP.
PLAINS ROAD
BALLSTON SPA, NY 12020

(518) 899-2227
Owner Type : Corporate or Commercial

Auth Rep:

**Mail:** WRIGHT-MALTA CORP.
MALTA TEST STATION
PLAINS ROAD
BALLSTON SPA, NY 12020
ATTN: MR. R. KAZYAKA
(518) 899-2227

Site Status : Active
Site Type: : Manufacturing (Other than Chemical)/Proc
Total Active Tanks : 8
Active Capacity : 9,250

Reg Expires : 4/18/06
Cert Printed: 4/13/05

Last Inspected:
Inspected By:

SPDES #

CBS # :

| (2) Tank No | (3) Tank Loc | (4) Status | (5) Date Install | (5) Date Closed | (6) Capacity (gals) | (7) Product | (8) Tank Type | (9) Tank IP | (10) Tank EP | (11) Tank SC | (12) Tank LD | (13) Tank OP | (14) Tank SP | (15) Tank Disp | (16) Pipe Loc | (17) Pipe Type | (18) Pipe EP | (19) Pipe SC | (20) Pipe LD | (21) Date Test | (21) Next Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 014 | 5 | Closed - Removed | | 9/1/98 | 4,000 | 0001 | 01 | 00 | 01 | 00 | 05 | 00 | | ZZ | 02 | 02 | 00 | | ZZ | | |
| 021 | 5 | Closed - Removed | | 9/1/98 | 5,000 | 0001 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 00 | | ZZ | | |
| 023 | 5 | Closed - Removed | | 9/1/98 | 3,000 | 0009 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 00 | | ZZ | | |
| 024 | 5 | Closed - Removed | | 9/1/98 | 2,000 | 0000 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | ZZ | | |
| 025 | 5 | Closed - Removed | | 9/1/98 | 10,000 | 0001 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 00 | | ZZ | | |
| 026 | 5 | Closed - Removed | | 9/1/98 | 10,000 | 0001 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 00 | | ZZ | | |
| 027 | 5 | Closed - Removed | | 9/1/98 | 10,000 | 0001 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 00 | | ZZ | | |
| 028 | 3 | Closed - Removed | | 3/1/92 | 4,000 | 0001 | 01 | 00 | 01 | 00 | 05 | 00 | | 02 | 02 | 02 | 00 | | ZZ | | |
| 030 | 5 | Closed - Removed | | 9/1/98 | 10,000 | 0000 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | ZZ | | |
| 104 | I | Closed - Removed | | 3/1/92 | 500 | 0012 | 01 | 00 | 01 | 01 | 00 | 04 | | 02 | 00 | 00 | 00 | | ZZ | | |

**Action (1)**
1. Initial Listing
2.Add Tank
3. Close/Remove Tank
4. Information Correction
5. Recondition/Repair/ Reline Tank

**Tank Location (3)**
1. Aboveground-contact w/soil
2. Aboveground-contact w/ impervious barrier
3.Aboveground on saddles, legs, stilts, rack, or cradle
4. Aboveground with 10% or more below ground
5. Underground
6. Underground, vaulted, with access

**Status (4)**
1. In-service
2. Temporarily out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

**Product Stored (7)**
0000. Empty
0001. #2 Fuel Oil
0002. #4 Fuel Oil
0003. #6 Fuel Oil
0011. Jet Fuel
0008. Diesel
0009. Gasoline
0012. Kerosene
0013. Lube Oil
0022. Waste/Used Oil
0259. #5 Fuel Oil
2642. Used Oil (Fuel)
9999. Other -please list :*

**Tank Type (8)**
01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10 Urethane Clad Steel
99. Other-please list:*

**Internal Protection (9)**
00. None
01. Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-please list:*

**External Protection (10/18)**
00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07. Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-please list:*

**Tank Leak Detection (12)**
00 None
01.Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03.Vapor Well
04. Groundwater Well
05. In-Tank System (ATG)
06. Impervious Barrier/Concrete Pad (A/G)
99. Other-please list:*

**Piping Type (17)**
00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-please list:*

**Overfill Prevention(13)**
00. None
01. Float Vent Valve
02.High Level Alarm
03. Automatic Shut-off
04. Product Level Gauge(A/G)
05. Vent Whistle
99. Other-please list:*

**Secondary Containment (11/19)**
00. None
01. Diking (A/G)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (U/G)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation/Trench Liner System
08. Flexible Internal Liner (Bladder)
09. Modified Double-Walled (A/G)
10. Impervious Underlayment
11. Double Bottom (A/G)
99. Other-please list:*

**Spill Prevention (14)**
00. None
01. Catch Basin
02. Transfer Station Containment
99. Other - Please list*

**Piping Location (16)**
00. No Piping
01. Aboveground
02. Underground/On-groun
03. Aboveground/Undergrc Combination

**Pipe Leak Detection (20)**
00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monito
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
08. Tank Top Sump (Piping)
09. Exempt Suction Piping
99. Other-please list:*

**Dispenser (15)**
00. None
01. Submersible
02. Suction
03. Gravity

*** If other, please list on a separate sheet including Tank Number**

PBS # : 5-600006

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
## Petroleum Bulk Storage Program
## Facility Information Report

Printed : 4/13/2005

**Site:** WRIGHT-MALTA CORP.
PLAINS ROAD
BALLSTON SPA, NY 12020

Town: Ballston County: Saratoga
Operator: WRIGHT-MALTA CORP.
Phone: (518) 899-2227
Emergency : R. KAZYAKA
Phone: (518) 899-4833

**Owner:** WRIGHT-MALTA CORP.
PLAINS ROAD
BALLSTON SPA, NY 12020

(518) 899-2227
Owner Type : Corporate or Commercial

Auth Rep:

**Mail:** WRIGHT-MALTA CORP.
MALTA TEST STATION
PLAINS ROAD
BALLSTON SPA, NY 12020
ATTN: MR. R. KAZYAKA
(518) 899-2227

Site Status : Active
Site Type: : Manufacturing (Other than Chemical)/Proc
Total Active Tanks : 8
Active Capacity : 9,250

Reg Expires : 4/18/06
Cert Printed: 4/13/05

Last Inspected:
Inspected By:

SPDES #

CBS # :

| (2) Tank No | (3) Tank Loc | (4) Status | (5) Date Install | (5) Date Closed | (6) Capacity (gals) | (7) Product | (8) Tank Type | (9) Tank IP | (10) Tank EP | (11) Tank SC | (12) Tank LD | (13) Tank OP | (14) Tank SP | (15) Tank Disp | (16) Pipe Loc | (17) Pipe Type | (18) Pipe EP | (19) Pipe SC | (20) Pipe LD | (21) Date Test | (21) Next Test |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 107 | 5 | Closed - Removed | | 9/1/98 | 3,000 | 0000 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | ZZ | | |
| 110 | 1 | Closed - Removed | | 11/1/98 | 550 | 0008 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | ZZ | | |
| 111 | 5 | Closed - Removed | | 9/1/98 | 3,000 | 0000 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | ZZ | | |
| 123 | 5 | Closed - Removed | | 9/1/98 | 4,000 | 0000 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | ZZ | | |
| 204 | 1 | Closed - Removed | | 3/1/92 | 3,000 | 0000 | 01 | 00 | 01 | 01 | 00 | 04 | | 02 | 00 | 00 | 00 | | ZZ | | |
| 228 | 5 | Closed - Removed | | 9/1/98 | 6,000 | 0000 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | ZZ | | |
| 230 | 5 | Closed - Removed | | 9/1/98 | 500 | 0000 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | ZZ | | |
| 328 | 5 | Closed - Removed | | 9/1/98 | 6,000 | 0000 | 01 | 00 | 01 | 00 | 00 | 00 | | 02 | 02 | 02 | 01 | | ZZ | | |
| 500 | 3 | Closed - Removed | 9/1/98 | 2/1/99 | 500 | 0009 | 01 | 00 | 01 | 04 | 01 | 04 | | 02 | 01 | 02 | 00 | | ZZ | | |

**Action (1)**
1. Initial Listing
2.Add Tank
3. Close/Remove Tank
4. Information Correction
5. Recondition/Repair/ Reline Tank

**Tank Location (3)**
1. Aboveground-contact w/soil
2. Aboveground-contact w/ impervious barrier
3.Aboveground on saddles, legs, stilts, rack, or cradle
4. Aboveground with 10% or more below ground
5. Underground
6. Underground, vaulted, with access

**Status (4)**
1. In-service
2. Temporarily out-of-service
3. Closed-Removed
4. Closed- In Place
5. Tank converted to Non-Regulated use

**Product Stored (7)**
0000. Empty
0001. #2 Fuel Oil
0002. #4 Fuel Oil
0003. #6 Fuel Oil
0011. Jet Fuel
0008. Diesel
0009. Gasoline
0012. Kerosene
0013. Lube Oil
0022. Waste/Used Oil
0259. #5 Fuel Oil
2642. Used Oil (Fuel)
9999. Other -please list :*

**Tank Type (8)**
01. Steel/Carbon Steel/Iron
02. Galvanized Steel Alloy
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Tank in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Urethane Clad Steel
99. Other-please list:*

**Internal Protection (9)**
00. None
01. Epoxy Liner
02. Rubber Liner
03. Fiberglass Liner (FRP)
04. Glass Liner
99. Other-please list:*

**External Protection (10/18)**
00. None
01. Painted/Asphalt Coating
02. Original Sacrificial Anode
03. Original Impressed Current
04. Fiberglass
05. Jacketed
06. Wrapped (Piping)
07. Retrofitted Sacrificial Anode
08. Retrofitted Impressed Current
09. Urethane
99. Other-please list:*

**Tank Leak Detection (12)**
00 None
01.Interstitial Electronic Monitoring
02. Interstitial Manual Monitoring
03.Vapor Well
04. Groundwater Well
05. In-Tank System (ATG)
06. Impervious Barrier/Concrete Pad (A/G)
99. Other-please list:*

*** If other, please list on a separate sheet including Tank Number**

**Piping Type (17)**
00. None
01. Steel/Carbon Steel/Iron
02. Galvanized Steel
03. Stainless Steel Alloy
04. Fiberglass Coated Steel
05. Steel Encased in Concrete
06. Fiberglass Reinforced Plastic (FRP)
07. Plastic
08. Equivalent Technology
09. Concrete
10. Copper
11. Flexible Piping
99. Other-please list:*

**Overfill Prevention(13)**
00. None
01. Float Vent Valve
02.High Level Alarm
03. Automatic Shut-off
04. Product Level Gauge(A/G)
05. Vent Whistle
99. Other-please list:*

**Secondary Containment (11/19)**
00. None
01. Diking (A/G)
02. Vault (w/access)
03. Vault (w/o access)
04. Double-Walled (U/G)
05. Synthetic Liner
06. Remote Impounding Area
07. Excavation/Trench Liner System
08. Flexible Internal Liner (Bladder)
09. Modified Double-Walled (A/G)
10. Impervious Underlayment
11. Double Bottom (A/G)
99. Other-please list:*

**Spill Prevention (14)**
00. None
01. Catch Basin
02. Transfer Station Containment
99. Other - Please list*

**Piping Location (16)**
00. No Piping
01. Aboveground
02. Underground/On-groun
03. Aboveground/Undergrc Combination

**Pipe Leak Detection (20)**
00. None
01. Interstitial Electronic Monitoring
02. Interstitial Manual Monito
03. Vapor Well
04. Groundwater Well
07. Pressurized Piping Leak Detector
08. Tank Top Sump (Piping)
09. Exempt Suction Piping
99. Other-please list:*

**Dispenser (15)**
00. None
01. Submersible
02. Suction
03. Gravity




# Division of Environmental Remediation




| Program No: | 5-600006 | Last Updated: | 04/13/2005 |
|---|---|---|---|
| Site Name: | WRIGHT-MALTA CORP. | Updated By: | RBMULVEY |

**Comments**

12/30/99: Added 5,000 gallon AST formerly registered under NYS Ener gy Research Develop. Authority (PBS # 5-500593) - now owned by Wrigh t Malta Corp.

Edit Close

PBS Number
5-600006

New York State Department of Environmental Conservation

# PETROLEUM BULK STORAGE CERTIFICATE

625 Broadway, 11th Floor, Albany, NY 12233-7020 Phone: 518-402-9553

Region 5 NYSDEC - PBS Unit
Route 86, P.O. Box 296
Ray Brook, NY 12977-0296
(518) 897-1243

| TANK NUMBER | TANK LOCATION | DATE INSTALLED | TANK TYPE | CAPACITY (GALLONS) | DATE LAST TESTED | TESTING DUE DATE |
|---|---|---|---|---|---|---|
| 005 | Underground | | Steel/Carbon Steel/Iron | 550 | | |
| 007 | Underground | | Steel/Carbon Steel/Iron | 550 | | |
| 011 | Underground | | Steel/Carbon Steel/Iron | 550 | | |
| 018 | Underground | | Steel/Carbon Steel/Iron | 550 | | |
| 113 | Underground | | Steel/Carbon Steel/Iron | 1,000 | | |
| 128 | Underground | | Steel/Carbon Steel/Iron | 550 | | |
| 130 | Underground - Bldg # 30 | | Steel/Carbon Steel/Iron | 500 | | |
| 600 | Aboveground on crib, rack, or cradle | 12/01/1990 | Steel/Carbon Steel/Iron | 5,000 | | * |

AG...

MC Environmental — reported to be closed...

*** Aboveground tanks require monthly visual inspections and may need documented internal inspections as described in 6 NYCRR Part 613**

**OWNER:**
WRIGHT-MALTA CORP.
PLAINS ROAD
BALLSTON SPA, NY 12020

**OPERATOR:** WRIGHT-MALTA CORP.
(518) 899-2227

**EMERGENCY CONTACT:** R. KAZYAKA
(518) 899-4833

**SITE:**
WRIGHT-MALTA CORP.
PLAINS ROAD
BALLSTON SPA, NY 12020

**MAILING CORRESPONDENCE:**

MR. R. KAZYAKA
WRIGHT-MALTA CORP.
MALTA TEST STATION
PLAINS ROAD
BALLSTON SPA, NY 12020

ISSUED BY: Acting Commissioner
Denise M. Sheehan
PBS NUMBER: 5-600006
DATE ISSUED: 03/23/2001
EXPIRATION DATE: 04/18/2006
FEE PAID: $250.00

As an authorized representative of the above named facility, I affirm under penalty of perjury that the information displayed on this form is correct to the best of my knowledge. Additionally, I recognize that I am responsible for assuring that this facility is in compliance with all sections of 6 NYCRR Parts 612, 613 and 614, and applicable sections of 6 NYCRR Subpart 360-14 (used oil tanks only), not just those cited below:
-- The facility must be re-registered if there is a transfer of ownership.
-- The Department must be notified within 30 days prior to adding, replacing, reconditioning, or permanently closing a stationary tank.
-- The facility must be operated in accordance with the code for storing petroleum, 6NYCRR Part 613.
-- Any new facility or substantially modified facility must comply with 6NYCRR Part 614.
-- **This certificate must be signed and posted on the premises at all times.** Posting must be at the tank, at the entrance of the facility, or the main office where the storage tanks are located.
-- Any person with knowledge of a spill, leak or discharge must report the incident to DEC within two hours **(1-800-457-7362)**.

Signature of Representative/ Owner Date

Name and Title of Authorized Representative/Owner (Please Print)

Print Date: 4/13/2005

**THIS REGISTRATION CERTIFICATE IS NON-TRANSFERABLE**

| NYSDEC Reg. # | Type (AG/UG) | Capacity (Gallons) | Date Installed | Date Removed | Content | Inferred Location |
|---|---|---|---|---|---|---|
| 005 | UG | 550 | Unknown | 1996* | Fuel Oil | Building 5 |
| 007 | UG | 550 | Unknown | 1996* | Fuel Oil | Building 7 |
| 010 | AG | 350 | Unknown | 1992 | Diesel | Building 10 |
| 011 | UG | 550 | Unknown | 1996* | Fuel Oil | Building 11 (6H) |
| 013 | UG | 10,000 | Unknown | 1998 | Fuel Oil | Building 13 |
| 014 | UG | 4,000 | Unknown | 1998 | Fuel Oil | Building 14 |
| 018 | UG | 550 | Unknown | 1996* | Fuel Oil | Building 18 |
| 021 | UG | 5,000 | Unknown | 1998 | Fuel Oil | Building 21 |
| 023 | UG | 3,000 | Unknown | 1998 | Unleaded Gasoline | Building 14 |
| 024 | UG | 2,000 | Unknown | 1998 | Empty | Building 24 |
| 025 | UG | 10,000 | Unknown | 1998 | Fuel Oil | Building 1 |
| 026 | UG | 10,000 | Unknown | 1998 | Fuel Oil | Building 1 |
| 027 | UG | 10,000 | Unknown | 1998 | Fuel Oil | Building 1 |
| 028 | AG | 4,000 | Unknown | 1992 | Fuel Oil | Unknown |
| 030 | UG | 10,000 | Unknown | 1998 | Empty | Building 30 |
| 104 | AG | 500 | Unknown | 1992 | Kerosene | Building 4 |
| 107 | UG | 3,000 | Unknown | 1998 | Empty | Building 7 |
| 110 | AG | 550 | Unknown | 1998 | Diesel | Building 10 |
| 111 | UG | 3,000 | Unknown | 1998 | Empty | Building 11 |
| 113 | UG | 1,000 | Unknown | 1996* | Fuel Oil | Building 13 |
| 123 | UG | 4,000 | Unknown | 1998 | Empty | Building 23 |
| 128 | UG | 550 | Unknown | 1996* | Fuel Oil | Building 28 |
| 130 | UG | 500 | Unknown | 1996* | Fuel Oil | Building 30 |
| 204 | AG | 3,000 | Unknown | 1992 | Empty | Building 4 |
| 228 | UG | 6,000 | Unknown | 1998 | Empty | Between Building 10 & 28 |
| 230 | UG | 500 | Unknown | 1998 | Empty | Between Building 10 & 28 |
| 328 | UG | 6,000 | Unknown | 1998 | Empty | Between Building 10 & 28 |

| NYSDEC Reg. # | Type (AG/UG) | Capacity (Gallons) | Date Installed | Date Removed | Content | Inferred Location |
|---|---|---|---|---|---|---|
| 500 | AG | 500 | 1998 | 1999 | Unleaded Gasoline | Building 10 |
| 600 | AG | 5,000 | 1990 | Temporarily out of service | Empty | Building 20 |

*Tank converted to non-regulated use

No immediately adjoining properties were identified on the State PBS facilities list.

Four reports were provided for review which address the closure of USTs at the site. The first report was provided by the NYSERDA and addresses tanks previously located at Buildings 17, 20 and 25. The report appears to have been completed by NYSERDA after December 1990.

A tank inspection report was completed in 1991 by Geraghty and Miller, Inc. The report addresses the removal of USTs at Building 15 and Building 28.

The closure of a 500 gallon diesel UST at Building 10 is described in a 1999 closure report prepared by MC Environmental Services, Inc. (MC Environmental).

A 1998 tank closure report, also prepared by MC Environmental discusses the tank closure activities for Buildings 1, 7, 11, 13, 14, 21, 23, 24, 28 and 30.

Section 4.2 of this report references each of the tanks removed by building location as described in the above referenced reports.

3.9.9 State Leaking Storage Tanks List

The site was identified on the state leaking storage tank list. Three (3) leaking storage tank incidents are listed for the site. The first incident (Spill No. 9812640) was reported due to the discovery of contaminated soil during the removal of an underground storage tank. This spill is related to the removal of the 500 gallon UST located to the west of Building 10. According to a tank closure report prepared by MC Environmental, due to the proximity of the tank near water and power lines, remediation was not possible. A composite soil sample was taken and submitted for laboratory analysis for volatile and semi volatile organic compounds. The results

were below the laboratory method detection limit. This incident was closed on September 27, 2001.

According to the spill fact sheet, the second incident (Spill No. 9807317) was reported following the removal of two (2) 10,000 gallon fuel oil tanks after contaminated soils were discovered from a leaking pump island. 122 tons of contaminated soils were removed from the spill area. Soil sample were taken from the walls and bottom of the excavation and submitted for laboratory analysis for volatile and semi volatile organic compounds. The results were below the laboratory method detection limit. A sample taken from the pump island area indicated relatively low levels of 1,3,5-Trimethylbenzene, o-Xylene and p-Isopropyltoleune. The spill was closed on June 27, 2000.

Spill No. 9807740 was issued to the site following the removal of a 4,000 gallon fuel oil tank. The spill was determined to have been caused from overfilling of the tank. According to the spill fact sheet, 40 tons of contaminated soils were removed. Although confirmatory samples were indicated to have been taken, the results are not provided within the documentation provided to C.T. Male. The spill was issued a closed status on June 27, 2000.

No leaking storage tank incidents were identified within ½ mile of the site.

### 3.9.10 NYSDEC Spill Reports

The New York State Department of Environmental Conservation (NYSDEC) spills database was reviewed to determine if spills have occurred at the subject site or adjoining parcels. Two (2) spills are listed for the site. The first spill (Spill No. 9309563) was reported after 40 gallons of hydraulic oil leaked onto the floor and soil at Building 20. According to the spill report, the stained soils and gravel were removed and the NYSDEC considered the cleanup complete. The spill was closed on January 10, 1994.

The second spill (Spill No. 9504346) reportedly involved the release of 200 gallons of petroleum and muriatic acid due to an equipment failure. The spill is indicated to have been contained within Building 20. The spill was reportedly cleaned by a contractor. The NYSDEC closed this spill on July 23, 1996.

Following the release of the data from the NYSDEC for the spills database, two (2) additional spills were generated for the site. Spill No. 0480017 was assigned to the site following an explosion which occurred at Building 3 on May 17, 2004. The release was determined to be to the air and no remedial measures are reportedly being contemplated by the NYSDEC. The spill file will reportedly remain open for tracking purposes until NYSDEC has received and reviewed the final report from OSHA regarding the incident.

Spill No. 0401023 for the site was issued on April 29, 2004 as a result of subjective evidence of a release of fuel oil at Building 18H. This spill is discussed further in section 7.3.

No spills were identified for the immediately adjoining parcels.

## 4.0 SITE VISIT

### 4.1 Conditions of the Visit

#### 4.1.1 Site Contact(s)

Mr. Ray Kazyaka, Jr. of Wright-Malta Corporation was the site contact. Mr. Kazyaka was interviewed following the site visit and arranged for access into the site buildings.

#### 4.1.2 Date of Visit

The site visit was conducted on Tuesday and Wednesday, May 11 and 12, 2004 by Ms. Aimee Gates and Mr. Joseph Farron of C.T. Male Associates, P.C. During the site visit the weather was approximately 70°F with sunny skies.

#### 4.1.3 Ground Cover

The areas surrounding the site buildings consist primarily of lawn areas, with the exception of the roadways and parking areas. Remaining portions of the site are primarily wooded.

#### 4.1.4 Areas Observed

The site and surrounding areas were observed from the series of roadways which traverse the site and the approximate site boundaries. The central areas of the site were traversed and the site buildings were entered. Photographs taken during the site visit are included in Appendix B.

### 4.2 Description and Uses of Site Buildings and Structures

The following sections provide descriptions of the site buildings including features of the site buildings such as storage tanks, transformers, chemical and petroleum storage, floor drains, dry wells, septic systems and sumps.

**Building 1 Series**

The Buildings 1 series consists of two primary buildings, three metal sheds and a wood frame shed. Building 1 is a one story concrete building which is accessed by three corrugated metal entrances to the west of the building. The building has a partial basement which is at grade on the eastern portion of the building. Two firing pits were identified to the east of the building built into an earthen berm. Building 1 was reportedly used from the 1940s to the 1960s as a test stand for small rocket engines. Later in the 1960s the building was used to test rocket thrust chambers, materials and aerodynamic shapes in rocket exhaust. Building 1B is a one story concrete and metal building located to the north of Building 1. Buildings 1A, located adjacent to the east of Building 1, and 1B were used to perform tests on smaller capacity engines. From the late 1960s to the time the RI was conducted, Buildings 1 and 1A were used as test firing areas for small guns and artillery cannons. The buildings are reportedly no longer used.

According to previous reports, four (4) dry wells were reportedly associated with Buildings 1, 1A and 1B. Plans for the building depict two of these dry wells to the east of Building 1. Floor drains within the buildings discharged to the subsurface soil, to one of the four (4) dry wells or to Muggett's Pond drainage ditch. At the time of the site visit, six floor drains were identified within Building 1, one of which was plugged with concrete. No septic tanks are reportedly associated with these buildings. An open sump designed to trap sediment was previously located adjacent to Building 1. Sediment within the sump was removed and containerized according to the RI report. The dry wells and drainage pit were assessed during a 1994 investigation by ERM.

No underground storage tanks (USTs) were reportedly associated with the buildings. Two (2) 30 gallon above ground storage tanks (ASTs) used to store rocket fuel were reportedly removed prior to the RI.

Plans for the site indicate that the area to the west of Building 1 and east of Building 15 contained a fuel pump and four (4) 10,000 gallon fuel oil USTs while a utility plan for the site indicates four (4) 10,500 gallon tanks were located in the area. The Source Control Investigation Area (SCIA) plan for the site indicates the area west of Building 1 formerly contained three (3) 10,000 gallon USTs. The three (3) 10,000 gallon fuel oil

USTs were removed in 1998 by MC Environmental and a tank closure report is available for this activity. The site owner reports that provisions were made to install a 4th UST, however the 4th tank was never installed.

At the time of the site visit four (4) containers of alkyls, an igniter for rocket engines, were identified within Building 1B. No evidence of leakage was noted from these containers.

A pole mounted transformer was identified in the Building 1 area to the south of the buildings across Hermes Road. No PCB related labeling was identified on the transformer. No evidence of leakage was noted from the transformer at the time of the site visit. According to the site contact, electrical equipment on the site contain PCBs.

Suspect asbestos containing materials identified with in the Building 1 series includes transite (i.e., panel) roofing on a portion of Building 1B and 12 x 12 inch floor tile within one of the sheds.

**Building 2**

Building 2 is located to the north of Building 1B and is of similar design to that of Building 1. A firing pit is located to the east of the building and a wood frame shed is located on top of Building 2. Building 2 was reportedly used for testing small rocket engines fueled with alcohol, jet propulsion-1 and gasoline in the 1940s, 1950s and 1960s. In the 1970s the building is reported to have been used for rapid firing tests of machine guns. Building 2 is not currently used, but was used up until approximately three years ago on occasion for testing.

According to previous reports, three (3) dry wells were reportedly associated with Building 2. Plans for the building indicate two dry wells were located east of the building. The dry wells received discharge from several floor drains within the building. Three floor drains were identified within the building at the time of the site visit and one floor drain was observed within the concrete pad located between the building and the firing pit. The dry wells were assessed during a 1994 investigation by ERM. No septic systems are reportedly associated with Building 2.

Two (2) 30 gallon steel ASTs were reportedly associated with Building 2. The ASTs were used to store rocket fuel, and were removed prior to the RI. No USTs were identified for the building.

**Building 3 Series**

The Building 3 Series is located to the north of Building 2. The Building 3 series includes Building 3, a test stand; Building 3A, a control/observation room; Building 3Q, a Quonset storage building and 3S, a metal shed. Building 3 is a concrete and metal structure with an attached metal shed. Two concrete bottle banks are located on either side of the structure. Building 3A is a one story concrete building situated south of Building 3. Building 3 was reportedly used to test large rocket engines and complete missile systems in the 1950s and 1960s. It was also used to test overspeed engines and rocket nose cones during the early and mid 1960's. The Building 3 series is no longer used, with the exception of the metal shed attached to Building 3. This shed was originally a portion of Building 26. The shed is used for equipment and vehicle storage.

Solvents used at Building 3 were reportedly discharged to the ground via drainage troughs leading to two (2) open dry wells or to Muggett's Pond drainage ditch. Plans for the building depict the dry wells to the east of the structure. No septic systems were reportedly associated with the buildings. The dry wells were assessed during a 1994 investigation by ERM. During a septic tank, catch basin and dry well clean out conducted in April 1996 by Enviroclean-Northeast, Inc., the Building 3 dry well soils were reportedly excavated and removed and the dry well was permanently closed.

Large fuel and solvent tanks were located on either side of the test gantry structure in tank pits, and drainage troughs led away from them to the dry wells. Building 3 also has a large concrete quench pit used to absorb flame and heat from rocket tests. A catch basin was identified within the metal shed attached to the west side of Building 3.

Two (2) AST's, one (1) 5,000 gallon and one (1) 10,000 gallon tank, used to store rocket fuel were associated with Building 3 according to previous reports. At the time of the site visit, two large vessels (20-40 feet in height) were observed within the northern tank pit. Although no USTs were reported to be associated with the

structure, a metal pipe which resembled a fill pipe, was identified to the west of the southern bottle bank of Building 3. Two pipes identified between buildings 3Q and 3S are reportedly associated with gas lines.

During the site visit four (4) drums containing sand were identified with the metal shed attached to Building 3. Staining was noted on the floor surface within the shed at the time of the site visit.

Suspect asbestos containing materials include transite within Building 3 and ceiling tile within Building 3A.

**Building 4 Series**

The Building 4 series is located to the north of Building 3. The Building 4 series includes a test stand (Building 4) with an attached shed (formerly a portion of Building 26) and a control/observation building (Building 4A). Building 4 is of similar design and layout to that of Building 3. Building 4A is a one story concrete building which has a partial basement area. Building 4 was used to test rocket engines in the 1950s and 1960s as well as for testing of complete missile systems. The building was later used for liquid propellant testing, and later for trash incineration under an experimental fuels project. The testing and trash incineration ceased in the mid to late 1970s. The Building 4 series is no longer used with the exception of the attached metal shed which is used for equipment storage. Minor staining was noted on the asphalt floor surface within the attached metal shed at the time of the site visit.

Solvents used at this building were reportedly discharged on the ground via drainage troughs leading to dry wells, or to the Muggett's Pond drainage ditch. No septic tanks were reportedly associated with Building 4. Two (2) dry wells, one an open swale, the second buried, are located at the end of separate concrete troughs flanking the Building 4 quench pit. The dry wells were assessed during a 1994 investigation by ERM.

Four (4) ASTs, consisting of two (2) 1,000 gallon rocket fuel tanks, one (1) 1,000 gallon kerosene tank and one (1) 3,000 gallon kerosene tank were previously associated with Building 4. No USTs were identified as being associated with the Building 4 series. A 275 gallon above ground storage tank was identified within the attached metal shed.

A floor mounted transformer was identified in the interior of Building 4A. The transformer was labeled as a GE transformer, however, no PCB related labeling was noted on the transformer. According to the site contact, electrical equipment on the site contains PCBs.

Suspect asbestos containing materials identified during the site visit include 9 x 9 inch floor tile and transite ceilings within Building 4A.

**Building 5 Series**

The Building 5 series is located to the northeast of Building 4. The Building 5 series consists of a concrete test stand (Building 5), a one story concrete observation/control room (Building 5A) and a two story shop (Building 5P). The first floor of 5P is comprised of concrete while the second story is comprised of metal. The buildings are constructed on slab foundations. Building 5 was reportedly used as a test structure and laboratory that was used for fuel testing and as a turbine pump testing facility in the 1950s and 1960s. The building may have been used for gun testing in 1972. At the time of the RI, Building 5 was used for preparing charges for munitions and gun tests and was most recently used to test seals up until approximately five years ago. The building 5 series is reportedly no longer used.

No septic tanks were reportedly associated with Building 5, however, two (2) dry wells (catch basins) are located at the northeastern of Building 5P and northwestern corner of Building 5A. Floor drains were identified within Building 5A. The dry wells were assessed during a 1994 investigation by ERM. During a septic tank, catch basin and dry well clean out conducted in April 1996 by Enviroclean-Northeast, Inc., the sediment in the Building 5 catch basins was removed for off-site disposal. Following cleaning of the catch basins, they were returned to service.

A 550 gallon fuel oil UST was depicted on plans to the northwest of Building 5A. Although piping was identified within this area, the piping was not typical piping which is associated with USTs. A 6,000 gallon steel liquid oxygen tank was recently removed from the Building 5 area and an open tank grave was identified at the time of the site visit.

Suspect asbestos containing materials identified during the site visit include pipe insulation, transite siding and roofing within Building 5A.

**Building 6 and 6A and Firing Range**

Buildings 6 and 6A are located to the west of the Building 5 series. Building 6 is a metal test structure while Building 6A is a concrete observation/control room. Building 6 has metal siding and roofing and no basement area. Building 6A has a partial basement area. Two metal sheds and a wood frame shed are located to the west of Building 6. The Building 6 complex was a test structure reportedly used for testing pneumatic, hydraulic and high speed rotating equipment in the 1950's and 1960's. Other testing at Building 6 included testing hydraulic powered generators, testing valves and component systems using liquid nitrogen, test firing guns, and turbine testing. At the time of the RI the Building 6 complex was used to test munitions and guns. The building 6 complex is currently not used.

A floor drain within Building 6A is reported to discharge to a dry well which drains to Muggett's Pond. The floor drain was identified in the basement area of Building 6A at the time of the site visit.

One (1) UST and one (1) AST were associated with Building 6. The UST was a 550 gallon steel No. 2 fuel oil storage tank located on the southwest side of Building 6A. No evidence of the tank was identified at the time of the site visit. The AST is reported to have been a liquid nitrogen storage tank located in the southwest corner of Building 6A.

Plans for the site also indicate a 500 gallon UST and an oil tank of unspecified size were located within the Building 6 area. These tanks were not identified during the site visit.

Three transformers were identified within Building 6. The transformers did not appear to be in use, but rather were being stored within the building. According to the site contact, the transformers likely contain PCBs. Staining was noted along the sides of the transformers at the time of the site visit.

Suspect asbestos containing materials identified include 9 x 9 inch floor tile in the basement area of Building 6A and transite walls and ceilings within Building 6A.

The firing range shed is located to the northwest of Building 6A. The shed is a metal building with wood and transite siding and a metal roof. The building has an earthen floor. The shed is used for the storage of equipment.

A 30 gallon drum of unknown contents was identified within the shed. Two piles of spent shells were identified to the southwest of the shed. According to the site contact these shells are empty. Two firing pits were identified built into a berm to the northeast of the shed. A pile of soil to the south of the shed was reportedly used as a test berm.

**Building 7 Series**

Building 7 is located to the west of Building 6A, across from Road B, one of the main access roads within the Wright-Malta bounds. Building 7 is a one story concrete block building constructed on a slab-on-grade foundation with an asphalt shingle roof. Building 7H is a one story steel frame building with transite siding and roofing, constructed on a slab-on-grade foundation. Building 7B is a one story metal building with a metal roof and metal siding on three sides and open on the fourth side. Building 7 was formerly used as the gas plant for the facility. A large bottled gas storage tank is located on the west side of the building running the length of the building. Building 7 is reportedly currently used for storage. Building 7B is used for the storage of metal and wood and Building 7H is used for metal duct work storage. A storage area to the west of Building 7 is used to store an automobile, cylinders, metal spheres, transite siding, fencing and piping.

A single floor drain was identified within Building 7. The discharge location of the floor drain is not known.

A 3,000 gallon fuel oil tank was removed from the area to the east of Building 7 in 1998 by MC Environmental. A 550 gallon fuel oil UST is reported to exist to the south of Building 7H. A fill pipe, vent pipe and metal cover were identified in this area at the time of the site visit. An out-of-service 600 gallon AST was noted to the west of Building 7.

Materials identified within Building 7 at the time of the site visit include three (3) 5 gallon containers of hydraulic fluid, twelve (12) one gallon containers of lube oil and three (3) one gallon containers of paint. A generator room is attached to the exterior

of Building 7. Two (2) 5 gallon containers and an open pan of a liquid were identified with the generator room. Staining was noted on the concrete floor surface beneath the generator. Staining was also noted within the lawn area to the north of Building 7. The staining in the lawn area encompassed an area of approximately two (2) square feet.

A pole mounted capacitor was identified to the east of Building 7B along the roadway. No evidence of leakage was noted from the capacitor at the time of the site visit. According to the site contact, electrical equipment on the site contains PCBs.

Suspect asbestos containing materials include transite siding and roofing and pipe insulation within Building 7H and pipe insulation and transite ceiling material within Building 7. Transite siding is also stored to the exterior of Building 7. Pipe insulation, which was noted to be in poor condition, is located on piping which runs between Building 7 and Building 7H.

**Buildings 8 and 9**

Buildings 8 and 9 are located east and southeast of Building 7 respectively. The buildings are underground concrete storage bunkers which were reportedly used as fuel magazines in the 1950s. The buildings are accessed from corrugated metal covered stairwells. Various munitions were stored within the buildings, including cannon primers and later drums of fuels for rocket propellant testing, however, Building 8 was reportedly used for munitions storage only. In 1988 Building 8 was used to store cannon primers, and in recent years Building 9 has been used for record keeping. Building 8 is still currently used to store various explosives.

There were reportedly no septic systems associated with Buildings 8 or 9, however according to previous reports, there were two (2) dry wells associated with each building. The four (4) dry wells were buried and reportedly received discharge from floor drains within the buildings. Plans for the buildings indicate one dry well was associated with each building, one to the northwest corner of Building 8 and one to the northeast corner of Building 9. Floor drains were observed at the bottom of the stair well which provide access to the bunkers. Other floor drains within the building were obstructed by the storage of materials (within Building 8) and filing cabinets (within Building 9).

No ASTs or USTs were identified for either Building 8 or 9.

**Building 10**

Building 10 is located to the south of Building 9. Building 10 is a one story concrete block building constructed on a slab foundation with an asphalt shingle roof. The historical use of Building 10 is consistent with current day uses, housing a carpenter shop, generator room and two high voltage transformer rooms.

A dry well was noted on plans to the north of Building 10. No other drainage features were identified for the building.

A number of underground storage tanks are associated with the Building 10 area. A vent pipe was observed adjacent to the west side of the site building. A 500 gallon diesel UST was removed from the area to the west of Building 10 in 1999 by MC Environmental. Two (2) 6,000 gallon fuel oil USTs were removed from the north side of the building in 1991. A tank inspection report was prepared by Geraghty and Miller, Inc. in 1991 following the removal of the tanks. Three (3) 3,000 gallon alcohol USTs are also depicted to the north of the building. These tanks were reportedly removed, though no tank closure documentation is available for this activity.

Plans also depicted a 300 gallon gasoline UST and a 550 gallon fuel oil UST to the east of the building. A 3,000 gallon diesel AST was formerly located to the south of Building 10 along with a 550 gallon gasoline UST. Evidence of these tanks was not identified during the site visit. A 300± gallon fuel oil AST is currently located to the east of the building.

Eight transformers are located within the high voltage transformer rooms and are reported to contain PCBs. No evidence of leakage was noted from the transformers at the time of the site visit. No floor drains are located within the high voltage transformer rooms.

Staining was noted surrounding the generators within the generator room during the site visit; however, no floor drains were identified within this area.

Suspect asbestos containing materials identified within Building 10 include asphalt roofing shingles and sheetrock/plaster ceilings.

**Building 11 Series**

The Building 11 series is located to the west of Building 10. The Building 11 series includes seven (7) buildings identified as Buildings 11, 11A, 11B, 11C, 11D, 11S and 6H. The historic use of the Building 11 complex was uncertain, but is believed to have been used for warehousing, with the exception of Building 11S which appears to have been used as a metal working area. Building 11 is a one story concrete block building constructed on a slab foundation with an asphalt shingle roof. Building 11A is a one story metal Quonset hut style building constructed on a slab foundation. Buildings 11B, 11C, 11D and 11S are metal buildings constructed on slab foundations with metal roofing and siding. Currently, the buildings are used for storage of vehicles and equipment. Building 6H is a one story metal building constructed on a slab foundation with transite siding and roofing. Building 6H houses a boiler.

A 3,000 gallon No. 2 fuel oil UST was previously located near the southwestern corner of Building 11. This UST was removed from the site in 1998 by MC Environmental. A 550 gallon fuel oil UST is reportedly located adjacent to Building 6H, between Buildings 11B and 11C. Fill and vent pipes were identified in this location.

A 500 gallon AST used to store diesel was identified within Building 11 and a 275 gallon AST, also used to store diesel, was identified in Building 11A. Two (2) 500 gallon ASTs, one gasoline and one diesel, were identified to the north of Building 11 at the time of the site visit. Minor staining was noted on the concrete pad beneath these ASTs.

Trailer mounted ASTs were identified within Building 11B. One of the tanks was labeled as alcohol, the second kerosene. The tanks are estimated to be approximately 500 to 1,000 gallons. No evidence of leakage was noted from these tanks. One apparently empty 275 gallon AST was noted within Building 11C.

Drums and containers were identified within Buildings 11A, 11C and 11D. Ten (10) 55 gallon drums containing lubricant, gear oil and transmission fluid and five (5) 5 gallon containers of lubricants were identified within Building 11A. Approximately thirteen (13) boxes labeled as explosives and igniters were identified within Building 11C along with four (4) containers for solvent soaked materials. Approximately 25

unlabeled drums were also identified within Building 11C. Two (2) 55 gallon drums labeled as waste coolant and waste antifreeze were identified within Building 11C. Nine (9) 55 gallon drums labeled as containing cryogenic insulation, which is reported to be a dry substance, were identified in Building 11D along with seven (7) drums which were empty or used to store metal and a 5 gallon container of lube oil.

Staining was noted within the Building 11 series, in particular beneath the heavy equipment stored within the buildings. Absorbent pads were utilized in some areas beneath vehicles to absorb some of the staining. No floor drains were identified within the buildings at the time of the site visit.

Suspect asbestos containing materials identified during the site visit include transite siding and roofing, pipe insulation and boiler insulation associated with Building 6H; sheetrock/plaster ceilings, 9 x 9 inch floor tile, suspended ceiling tile within Building 11; and pipe insulation, 9 x 9 inch floor tile and sheetrock/plaster walls within Building 11C.

**Building 12**

Building 12 is located to the east of Building 11. Building 12 is a small one story concrete block shed constructed on a slab foundation with an asphalt shingle roof referred to as the crane shed. Currently the site building is used to store tools.

No drainage features or USTs were identified for Building 12.

Other than roofing shingles, no suspect asbestos containing materials were identified within Building 12.

**Building 13**

Building 13 is located to the south of Building 12. Building 13 is a one story concrete block building constructed on a slab-on-grade foundation with an asphalt shingle roof. Building 13 was reportedly used as a machine shop, and also as a cafeteria. During the early 1950s the building was used for drum storage. In the early 1970s chambers and pistons were fabricated in Building 13. The building is currently used as a machine shop and for offices.

One (1) septic tank is known to have been used with Building 13. The septic tank was assessed in 1994 by ERM. The septic tank was cleaned during a septic tank, catch basin and dry well clean out conducted in April 1996 by Enviroclean-Northeast, Inc.

Two (2) USTs are associated with the building. One tank is a 1,000 gallon steel No. 2 fuel tank located on the northwest side of Building 13. The fill and vent pipe for the tank were identified during the site visit. The second tank was a 10,000 gallon steel No. 2 fuel oil tank located on the southeast side of Building 13, which was used at the time of the RI for heating the site building. This UST was removed from the site in 1998 by MC Environmental. A utility plan for the site depicts a 4,000 gallon tank in the same vicinity as the removed 10,000 gallon tank.

Plans also indicate a second 1,000 gallon fuel oil UST along the west side of the building to the south of the known UST. The tank is mapped in an area where there are currently telephone poles and a water hydrant. Based on the location of these features, it does not appear that the tank was installed at this location. A 500 gallon AST used to store heating oil was observed within the site building during the site visit.

Vent pipes and two (2) metal covers were also identified to the east of Building 13. These pipes and covers are reportedly associated with a water reservoir.

Two (2) 55 gallon drums of lube oil were identified within the machine shop. The material is used in conjunction with a compressor.

Two (2) single pole mounted transformers were identified to the northwest of Building 13. A bank of three transformers were identified elevated between two telephone poles to the west of the building. No PCB related labeling was identified on the transformers at the time of the site visit. Although no evidence of leakage was readily noted from the transformers, some of the transformers showed signs of age (rusted exterior). According to the site contact, the transformers likely contain PCBs.

Suspect asbestos containing materials were identified in the building in the forms of 9 x9 inch floor tile, 1 x 1 foot ceiling tile, vinyl flooring and transite.

**Building 14**

Building 14 is located to the west of Building 13. Building 14 is a one (1) story concrete block building. Most of the building is constructed on a slab foundation; however, a small basement area for the building's boiler is located on the north side of the building. An addition is present to the west of the original portion of the building. The addition has a transite roof, while the original portion of the building has an asphalt shingle roof. Building 14 was reportedly used as an office, and as a chemical laboratory from the late 1940s to the 1960s. A photo laboratory was also located in Building 14. In the late 1980s work involving the development and manufacture of truck transmissions and turret drives, as well as performing research and development was conducted. At the time of the RI, the building was used as a research and development laboratory and for reception and office space. The building is currently used by Wright-Malta Corporation as an office and reception area.

A septic system for the building is located at the base of an embankment northwest of the building. The septic tank was assessed in 1994 by ERM.

Two (2) floor drains were identified in the boiler room area of the building, and a floor drain was also identified on the first floor in the northern portion of the building for a shower. A sump was also identified in the boiler room which is reportedly used to control groundwater infiltration into the basement of the building. A second sump is depicted on plans for the building. The discharge locations of the floor drains and sumps are not known, however, two dry well locations are depicted on plans to the west of the building. One of the dry wells was observed at the time of the site visit and appears to be a concrete vault and is reported to have been used as a chemical dry well for the laboratory. A third dry well was indicated on plans to be located beneath the building addition.

A 4,000 gallon heating oil UST was used to heat the site building at the time of the RI. This UST was removed from the site in 1998 by MC Environmental. The tank was replaced with a 1,000 gallon AST which is located within the northern portion of the building.

A 3,000 gallon gasoline UST was located to the northeast of Building 14. Fill and vent pipes were identified in this area, however, the UST was removed from the site in 1998 by MC Environmental.

Two (2) 1,000 gallon fuel oil tanks were noted on plans for the site building to the east of the building. Evidence of these tanks was not identified on the site during the site visit.

A pole mounted transformer was identified to the northwest of the addition of Building 14. No PCB related labeling was noted on the transformer. Five (5) floor mounted transformers were identified within the basement area of Building 14, two of which were labeled as "auto transformers", the other three as "GE" transformers. These transformers may be dry type transformers. No PCB related labeling was noted on the transformers at the time of the site visit. If these transformers are liquid containing, they may contain PCBs.

Suspect asbestos containing materials were identified within the building in the forms of ceiling tile, floor tile and pipe insulation. The roof of the addition is reported to be comprised of transite; the remainder of the roof is comprised of asphalt shingles which were reportedly recently replaced.

**Building 15**

Building 15 is located to the east of Building 14 and south of Building 13. Building 15 is a one story concrete block building constructed on a slab foundation. A portion of the floor is comprised of a steel grate, with the concrete foundation being located below grade. The building has an asphalt roof. The eastern portion of the building which appears to be an addition, is a steel frame building constructed on a slab foundation with a metal roof and metal siding. Building 15 was reportedly used as a hydraulic laboratory. Drums were reportedly stored behind the building and were also dumped behind the building. The building currently houses the water treatment system for site drinking water including two (2) 15,000 gallon capacity water storage tanks. An air stripper was installed in Building 15 to treat the site potable water supply in January of 1987. The water pump is located to the east of the building within a confined space below grade vault. Several pipes were identified within the area which are reported to be supply wells or monitoring wells.

A floor drain is located within the building and reportedly discharges to the Muggett's Pond drainage ditch spur.

Three (3) USTs were reportedly removed from Building 15 in 1991, including a 3,000 gallon gasoline tank, a 550 gallon gasoline tank and a 550 gallon fuel oil tank. Two (2) vent pipes were visible on the west side of the building during the site visit. These vent pipes are reportedly associated with the removed tanks. A 275 gallon above ground heating oil storage tank is currently located within the building.

Materials identified within the building include a 5 gallon container of kerosene, a 5 gallon container of hydraulic oil, a 1 gallon container of isodraulic fluid, a 55 gallon drum of oil, a 20-30± gallon vessel labeled acid, a 30 gallon unlabeled drum, two (2) 10 gallon containers of unknown contents (one which appeared to originally contain Freon) and several small containers (less than one gallon) of various chemicals.

Suspect asbestos containing materials include transite siding, 9 x 9 inch floor tile and sheetrock/plaster walls and ceilings.

**Building 16**

Building 16 was previously located to the southwest of Building 15 adjacent to the main facility parking area and was used as the guard house. A 1,000 gallon fuel oil tank is depicted on a map for the site. No evidence of the tank was identified during the site visit. No tank closure documentation is available for this tank.

**Building 17**

Building 17 is located to the west of the main parking area. The building is a one story concrete block building constructed on a slab foundation with an asphalt shingle roof. Building 17 is an office building, and was historically used as an office building by NYSERDA and was originally the caretakers residence. The building was vacant for a number of years and is now occupied by the North American Board of Certified Energy Practitioners Building Performance Institute, Inc.

A septic tank is located north of the building. The septic tank was assessed in 1994 by ERM. The septic tank was cleaned during a septic tank, catch basin and dry well clean out conducted in April 1996 by Enviroclean-Northeast, Inc.

A 550 gallon UST was reportedly removed from the building in 1990. NYSERDA provided a tank closure report for this activity. A 275 gallon AST for heating oil was located along the east wall of the building during the site visit.

Suspect asbestos containing materials were identified within Building 17 in the forms of ceiling tile and thermal pipe insulation. The floors within the building are currently carpeted.

**Building 18 Series**

Building 18 is located to the east of Building 1. Building 18 is a one story concrete block building constructed on a concrete slab, a portion of which is equipped with steel decking and an asphalt roof. Building 18 was reportedly used over the years to store propellants, explosives, fuels, acids and hydrogen peroxide, and was later used as a secured hazardous waste area for solids. During the RI it was used to store empty drums. Currently, the building is reportedly unused, though two containers which appeared to contain igniter were identified within the building.

Building 18H is located to the east of Building 18 and is a one story steel frame building constructed on a slab foundation with transite siding and roofing. Building 18H houses the boiler for Building 18. Building 18A is located to the west of Building 18 and is of similar construction to that of Building 18H, although a portion of the floor is comprised of steel grate over a concrete floor and the roof is comprised of tar paper. The building was formerly used as the recorder building but is now empty. A metal storage vault is located to the east of Building 18H. The building has a steel grate over a concrete floor. The building is currently empty.

Two (2) interconnected floor drains are present in Building 18. The outflow of these floor drains was reportedly directed through an eight (8) inch discharge pipe to the southwest of the building.

Two (2) 550 gallon ASTs, used to store hydrogen peroxide, were identified in Building 18 at the time of the RI. The tanks were empty at that time and were not identified during the site visit. A 550 gallon UST used to store No. 2 fuel oil is located to the south of Building 18H. A fill and vent pipe were identified in this location at the time of the site visit.

Suspect asbestos containing materials identified include transite siding and roofing, boiler insulation and pipe insulation within Building 18H and transite siding and roofing materials within Building 18A.

**Building 20 Series**

Building 20 is located to the west of Building 7. Building 20 is a one and two story building constructed on a slab foundation with a flat roof. The office area which is located on the eastern portion of the building appears to be a wood frame addition with wood siding. The main portion of the building is metal sided, however, transite siding was identified on the north side of the building. Building 20 was a boron hydride chemical plant used to manufacture diborane and pentaborane rocket fuels. After an explosion in 1955, the building was re-built and leased to MTI for the design, manufacture and testing of high efficiency steam driven turbines and turbo machinery. The building had reportedly been vacant for a period of approximately 5 years and is now occupied by Adirondack Auto Brokers which uses the building for auto parts storage and office space.

Building 20H is located to the north of Building 20. Building 20H is a one story steel frame building constructed on a slab foundation with transite siding and roofing. Building 20H houses a boiler.

Building 20W is a one story shed with transite siding and roofing. The metal frame shed is constructed on a slab foundation and is currently empty.

Building 20M is a refrigeration unit located to the west of a man made pond which is located adjacent to the west of Building 20. The pond was reportedly used to provide cooling water for MTI turbine experiments.

A trench style drain was noted within a concrete pad to the south of Building 20. The trench appeared to be plugged at the time of the site visit as standing water was noted in and surrounding the drain. No staining or sheens were visible in or surrounding the drain or standing water at the time of the site visit.

Trench drains were also located within Building 20. One of the drains was noted along the western wall of the high bay section of the building. One of the floor drains runs the perimeter of the boiler in the western portion of the building. Two

(2) circular floor drains were also located within the boiler room. Minor staining was noted within and near the floor drains within the building. Condensate from the boiler system appears to have been discharged to the floor drains.

A total of four (4) dry wells were identified in the Building 20 area. One of the dry wells is a catch basin located southeast of Building 20H. The catch basin is reported to be the discharge point for the Building 20 floor drains. Two (2) of the other three dry wells are located on the southwest side of Building 20 appeared to receive storm water runoff. The fourth dry well is reported to possibly be a sewer dry well, or may have received storm water from an unknown source. Manhole covers were identified during the site visit in the area where these dry wells are mapped. Two (2) septic systems were associated with Building 20, one northeast of the building and one east of the building. The two (2) septic systems and one of the dry wells were assessed in 1994 by ERM. The septic tanks were cleaned during a septic tank, catch basin and dry well clean out conducted in April 1996 by Enviroclean-Northeast, Inc.

Three (3) USTs, including a 5,000 gallon No. 2 fuel oil tank, a 4,000 gallon No. 2 fuel oil tank, and a 550 gallon gasoline tank, were reportedly removed from Building 20. The fuel oil tanks are indicated as having been removed in 1990, according to a report provided by NYSERDA. The gasoline tank was reportedly removed in 1981 although no tank closure documentation is available for this activity. The report provided by NYSERDA indicates that efforts were made to locate the gasoline UST during the closure of the other two tanks, however, the tank could not be located.

Two (2) ASTs, a 275 gallon diesel fuel tank, and a 5,000 gallon No. 2 fuel oil tank, were reportedly used to supply a generator and furnace at the time of the RI and were identified during the site visit. The 5,000 gallon tank has secondary containment.

A 5 gallon container of lube oil was identified within the western portion of Building 20. A 1 gallon container of what appeared to be coolant was identified within Building 20H.

A pad mounted transformer was identified to the northwest of Building 20. A Non-PCB label was identified on the transformer at the time of the site visit. The pad beneath the transformer was discolored.

A second pad mounted transformer was also identified to the north of Building 20. No PCB related labeling was identified on the transformer. Leakage was noted along the side of the transformer and appeared to extend to the ground surface.

Staining of the concrete floor was also noted within the western portion of the Building 20 surrounding a compressor and within 20H surrounding a pump.

Suspect asbestos containing materials identified during the site visit at Building 20 include 1 x 1 foot floor tile, pipe insulation, ceiling tile and transite. Transite roofing and siding was also identified within Building 20H and 20W. Pipe insulation and tank insulation were also noted in Building 20H.

**Building 21**

Building 21 is located to the west of Building 11. Building 21 is a one story steel frame building constructed on a slab foundation with transite siding and roofing. In the 1950's, Building 21 was used as the ram jet test facility. Combustion systems were also tested. Gasoline and lubricating oils were stored in drums in the building. The building was also the site of the propellant utilization program. Liquid hydrogen peroxide and solid polyethylene propellant for use in rocket engines may also have been produced at Building 21. It was later used to test turbine pumps for a wingless aircraft program. Confidential testing of borane was also conducted at Building 21. From 1979 to 1981 the building was used for waste liquefaction experiments. The building is currently used on a limited basis for testing. No wastes are reportedly generated from the testing activities.

A bottle bank lies east of Building 21. The bottle bank is a concrete block building located primarily below grade with a metal roof, used to store bottled gases. Approximately 50 horizontal bottles were present within the bottle bank at the time of the site visit. The bottles are reportedly currently empty. A wood frame storage building is located to the west of Building 21. The building has a metal grade floor and appears to be elevated on beams. The building has tar paper siding and an asphalt shingle roof. The building houses a rotary accelerator.

A trench drain was noted within the eastern portion of Building 21. No staining was noted within the floor drain. A trench drain was also noted along the southern

exterior side of the building. The drain appears to discharge to the west of the building.

A 5,000 gallon number two fuel oil UST, used to store heating oil was previously located to the southwest of Building 21. This UST was removed from the site in 1998 by MC Environmental. A 2,000 gallon fuel oil UST was present at the time of the RI, but was empty. A map of the facility depicts this UST to the southwest of Building 21. The site contact reported that a 2,000 gallon heating oil tank was previously removed from the southwest side of the building. No closure documentation is available for this activity. Two (2) underground kerosene tanks were also present at the time of the RI, one (1) 5,000 gallon and one (1) 10,000 gallon. At the time of the RI these tanks were present, but not in-use. A map of the facility depicts these USTs to the southeast of the building. No evidence of these USTs was identified at the time of the site visit.

Heating oil for the building is currently stored in an above ground 275 gallon AST within the building. A 5,000 gallon water condensate AST was formerly located in the building.

Several pipes were identified along the east side of the building and are reported to connect to the bottle bank.

Staining was noted on the concrete floor surface within the building beneath equipment, however, the floor drains appeared to be generally free of staining.

Suspect asbestos containing materials observed at Building 21 include transite siding and roofing, pipe insulation, boiler insulation and floor tile within Building 21 and siding and roofing materials within the storage building located west of Building 21.

**Building 22**

Building 22 is located to the west of Building 14 and is identified as the fire tower. The building is a small (approximately 4 feet by 4 feet wide by 8 feet tall), metal frame, open shed with a metal roof. No USTs or disposal features are reported to be associated with Building 22.

**Building 23 and 23P**

Building 23 is located to the north of Building 14. Building 23 is a one story steel frame building constructed on a slab foundation with transite roofing and siding. Building 23 is reported to have been used as a maintenance building, a laboratory and may have been used as a fire house with an outside fuel pump. Drum storage also reportedly occurred in the Building 23 complex. The northern portion of the building is currently used to store equipment and for equipment maintenance. The southwestern portion of the building contains a welding shop.

Building 23P is located to the west of Building 23. Building 23P is a one story steel frame building with metal siding and roofing. A storage shed, identified as Building 12P, exists between Building 23 and 23P. The shed appears to be a portable unit. Building 23P was reportedly used as a paint booth and currently serves to store tractors. Building 12P is used for the storage of paints and other materials.

Building 23 reportedly shares a septic system with Building 14. The septic tank was assessed in 1994 by ERM. A second septic tank was identified on plans to the east of Building 23P.

Two (2) USTs were previously in use at Building 23. A 4,000 gallon No. 2 fuel oil tank was previously located to the west of Building 23. Although a vent pipe was identified in this area, the vent appears to be associated with the septic system. This UST was removed from the site in 1998 by MC Environmental. The second UST is reportedly associated with the building is a 3,000 gallon gasoline tank which is believed to be the gasoline storage tank located to the north of Building 14. An AST located within the building is currently used to store heating oil for Building 23.

Several drums were observed within Building 23 which are used in conjunction with maintenance on vehicles and equipment. A storage rack within the building is used to store approximately sixteen (16) 55 gallon drums of motor oils, hydraulic fluids, cleaners, gear oils and related products. Containment cans are located along the spouts of each of the drums to control spillage.

A drum of waste oil was identified within Building 23. According to the site contact, waste oil is removed from the site on an as needed basis by an individual who uses

the waste oil in a waste oil burning furnace. Approximately 30 gallons of waste oil is reportedly generated each year.

Several other containers and drums were identified within Building 23 including lubricating oils, antifreeze and greases along with sand, salt and scrap metal. Staining was noted on the floor surface in the vicinity of some of the drums and containers, however, no floor drains were identified within the building.

Staining was also noted on the concrete floor surface beneath the equipment in Building 23P, however, no floor drains were identified within the building.

Small containers (5 gallons and less) of thinners and paints were identified within Building 12P along with other products such as roof cement, trichloroethylene, toluene, joint compound, sealer, methanol, Freon, electric fluid, wood preservative and lacquer. An unlabeled 20-30 gallon drum was also identified within the building. Evidence of leakage was not identified from these containers at the time of the site visit.

Three pad mounted transformers were identified to the north of Building 23 within a fenced area. According to the site contact, the transformers may contain PCBs. Evidence of leakage was noted along the sides of the transformers at the time of the site visit. Discoloration was noted on the concrete pad beneath the transformers.

Suspect asbestos containing materials identified in Building 23 include transite siding and roofing, 9 x 9 inch floor tile, pipe insulation and ceiling tile.

**Building 24 Series**

Building 24 is located to the northwest of Building 18. Building 24 is a two story concrete building constructed on a full basement, designed such that the basement is exposed on the north side, but is below grade on the south side. The building has an asphalt shingle roof. Buildings 24A, 24B and 24C are located to the north of Building 24. These buildings are one story corrugated metal bunkers with concrete floors built into the side of a bank such that they are only exposed on the south side. These buildings were reportedly added to the site in the early 1980s. Small elevated metal sheds are located on top of each of the bunkers. Three portable metal sheds are also located within the Building 24 area. Building 24 was reportedly used as a small

rocket test stand for fuel testing and nose cone re-entry condition testing. The building was renovated in the mid-1980's and is currently used for the test firing of large artillery guns for the Watervliet Arsenal. Based on signs located in the basement area, it appears that the basement area, which is open on the north side, was used as a satellite hazardous waste accumulation area. An area designated for rags and oil was noted, however this area did not contain waste at the time of the site visit.

Two (2) catch basins are located to the north of Building 24. During a septic tank, catch basin and dry well clean out conducted in April 1996 by Enviroclean-Northeast, Inc., water associated with the Building 24 catch basins was removed from the catch basins for proper disposal prior to sediment removal. The sediment in the Building 24 catch basins was removed for off-site disposal. Following cleaning of the catch basins, they were returned to service.

A manhole was also observed to the north of Building 24. The manhole is reportedly associated with an electrical line. A septic tank was also associated with the building, and believed to have been buried during renovations at Building 24. Two dry wells are located to the south of Building 24 and were assessed in 1994 by ERM. A third dry well is indicated on plans to the east of the building.

Seven (7) ASTs were reportedly removed from Building 24 in 1983.

A 2,000 gallon fuel oil UST was previously located to the south of the western portion of Building 24. This UST was removed from the site in 1998 by MC Environmental.

Two (2) unlabeled 55 gallon drums were identified within the northern portion of the site building. Ten (10) 55 gallons drums formerly containing liquid gun propellant, which appeared to be empty at the time of the site visit were labeled as "full of vermiculite".

Miscellaneous products were identified in small containers (one gallon or less) within flammable storage cabinets within Buildings 24A, 24B and 24C. A 5 gallon container of aircraft wing deicer was also identified within 24A.

Three (3) pad mounted transformers were identified to the south of Building 24 within a fenced area. A fourth pad mounted transformer was identified to the northwest of the building. According to the site contact, the transformers may contain PCBs. Evidence of leakage was noted along the sides of the transformers at the time of the site visit. Discoloration was noted on the concrete pads beneath the transformers.

**Building 25 Series**

The Building 25 series buildings are located on the north central portion of the site. The Building 25 complex consists of five (5) buildings identified as Buildings 25, 25A, 25G, 25H and 25S. Building 25 is a metal rocket test gantry, which partially covers a concrete quench pit. Building 25A is a two story concrete building constructed on a slab and was used as a control/observation room and a storage area. Buildings 25G and 25H are buried Quonset hut storage areas formerly used to store borane fuels and are located south and north of Buildings 25 respectively. The Quonset huts are constructed on concrete slab foundations. Building 25S, a steel frame one story building constructed on a slab foundation with transite siding and roofing, was used as a storage warehouse and office space. The complex was reportedly used in the 1950s and 1960s to test large rocket engines and complete missile systems. In the mid 1960s through the 1980s, this complex was used for experimental work on the distribution of electrical power. In the early 1970s, experiments were performed on high-voltage power lines.

During the RI, the complex was used to store RI derived wastes, but was otherwise inactive. The building complex is reportedly not currently used, with the exception of Building 25S which is used as an indoor firing range.

A septic system was associated with the complex, and is located northwest of Building 25S. The septic tank was evaluated in 1994 by ERM. The septic tank was cleaned during a septic tank, catch basin and dry well clean out conducted in April 1996 by Enviroclean-Northeast, Inc. A floor drain was identified in the northwestern portion of Building 25A which may have discharged to the septic system.

A 10,000 gallon rocket fuel UST was removed from the northeast side of Building 25S in 1990. A 10,000 gallon fuel oil UST was removed from the west side of Building 25S in 1990. NYSERDA provided a tank closure report for the closure of these two tanks.

A 550 gallon fuel oil UST was reportedly located on the south side of Building 25S. The report provided by NYSERDA indicates that efforts were made to locate the UST during the closure of the other two (2) tanks, however, the tank could not be located.

A 3,000 gallon alcohol UST was reportedly located east of Building 25G but could not be located during the RI. A single AST was reportedly removed from the southwest side of Building 25 at an unspecified date.

A series of four (4) vent pipes were identified to the west of Building 25H. Both NYSERDA personnel and Wright-Malta personnel were unable to provide information concerning the UST(s) which may be associated with these vent pipes. A pump was identified within Building 25H and appears to have been used to pump the liquids from within the tank(s). As well, a liquid distribution system with above ground piping was noted to the west of Building 25H.

Three (3) pad mounted transformers were identified to the south of Building 25A within a fenced area. According to the site contact, the transformers may contain PCBs. Evidence of leakage was noted along the sides of the transformers at the time of the site visit. Discoloration was noted on the concrete pad beneath the transformers.

Seven (7) additional transformers at Building 25 which were found to contain PCBs were reportedly removed in 1987 by Power Technologies, Inc.

Eight (8) small wall mounted transformers were identified within Building 25A. These transformers appeared to be dry-type transformers.

Suspect asbestos containing materials identified in Building 25S included transite, pipe insulation, boiler insulation, 9 x 9 inch floor tile and ceiling tile. Transite and pipe insulation were identified within Building 25A.

**Building 26**

Building 26 was formerly a one story metal building used for vehicle storage and was located to the west of Buildings 14 and 23. The Building 26 area is now a cleared grassy area. Reportedly, during the early 1950s until the early 1970s the area was used as a vehicle, machinery and debris storage area. The building and debris were reportedly removed in the early 1980s. Building 26 was moved to Buildings 3 and 4.

Plans for the building indicate a 6,000 gallon fuel oil UST and a 300 gasoline UST were located to the north of the building. No tank closure documentation was available for these USTs.

**Building 27/Magazine Area**

The Magazine Area includes four (4) buildings identified as 27A, 27B, 27C and 27D. The buildings are comprised of buried metal Quonset hut style structures which are constructed on concrete slabs. An open steel structure and a wood frame shed are also located in this area. In the early 1950s and early 1960s the area was used to store various propellants, oxidizers and chemicals. In 1967 the area was used to store small missiles. Since the late 1960s the area has housed powder magazines, charges, liquid propellants and rocket motors. During the 1980's, GE and Wright-Malta tested artillery weapon systems. Currently, the buildings are used to store various explosives including projectiles, powders, propellants and mortars. These materials are reportedly used at Building 24 for tests conducted for the Department of Defense.

A drainage ditch is present on the opposite side of the road from the Building 27 series. No dry wells or septic systems were identified for the buildings. No USTs were identified. The open metal shed was reportedly used to store an above ground alcohol storage tank.

A pole mounted transformer was identified to the east of Building 27A. A capacitor was identified to the south of Building 27A. No evidence of leakage was noted from the transformer or capacitor at the time of the site visit. According to the site contact, the electrical equipment located on site may contain PCBs.

**Building 28**

Building 28 is located to the east of Building 10. Building 28 is a one story metal building constructed on a slab foundation with metal siding and roofing. The building was formerly used as a fuel mixing building. The building is primarily currently unused and was empty at the time of the site visit. Occasionally the building is reportedly used for storage. Building 28H is a one story steel frame building constructed on a slab foundation with transite siding and roofing. 28H housed the boiler for Building 28.

No drainage structures were reported to be associated with Building 28. A 550 gallon fuel oil UST is reported to be located south of Building 28H. Fill and vent pipes were identified within this area.

The area north of Building 28 was previously used as a storage area for large tanks of fuels and solvents. An underground line from the storage tanks in this area fed fuel to the rocket stand in Building 3. At the time of the site visit this appeared to be comprised of lawn area and no evidence of underground tanks was visible.

Mapping for the site indicates two (2) 6,000 gallon and two (2) 10,000 gallon USTs within the tank farm area. According to the site contact these tanks have been removed, however, no tank closure documentation exists for the two (2) 10,000 gallon tanks. The two (2) 6,000 gallon tanks were removed in 1998 by MC Environmental.

Mapping also indicates two (2) 6,000 gallon USTs and an outline of a third structure though this structure is not specifically identified as a UST. Evidence of these tanks was not identified on the site during the site visit.

Four (4) ASTs were reported to previously exist in the Building 28 area. The ASTs consisted of two (2) steel 3,000 gallon alcohol tanks, one (1) steel 650 gallon rocket fuel tank, and one (1) steel 3,000 gallon rocket fuel tank. These tanks were not identified during the site visit.

**Building 29 (Magazine 4)**

Building 29 consists of a series of four (4) buildings, consisting of metal bunkers formerly used to store igniters and powders. The buildings are reportedly currently empty. No drainage features or USTs are reported to exist for these buildings.

**Building 30**

Building 30 is located to the northeast of Building 29. The building is a one story concrete building with a flat roof constructed on a slab foundation. The building was formerly used as a boiler house and is no longer used.

A floor drain was identified within the building at the time of the site visit.

A series of four vent pipes were identified to the west of Building 30. According to mapping for the site, this area contains two (2) 20,000 gallon water storage tanks.

A 550 gallon fuel oil USTs was previously located to the south of the building. A 10,000 gallon fuel oil UST was located to the northwest of the building. These tanks were removed in 1998 by MC Environmental.

A plan for the site also indicates a temporary 3,000 gallon fuel oil tank was located to the northwest of the building. It is not clear if this tank was underground or above ground. No evidence of this tank was identified on the site during the site visit.

Suspect asbestos containing materials identified within Building 30 include pipe insulation, boiler insulation and roofing materials. The roof of the structure has deteriorated exposing the boiler insulation to the elements. As such, the boiler insulation was in poor condition and portions had accumulated on the floor surface.

### 4.3 Site Utilities

Electricity is supplied to the site by New York State Electric and Gas. The site relies on private water supply wells for potable water. Septic systems for the site buildings are discussed in section 4.2 above. The buildings' heat source is discussed in section 4.2 above.

### 4.4 Transformers/Capacitors (Liquid Filled Only)

Transformers and capacitors identified at each of the site buildings are detailed in section 4.2. The site contact reports that the transformers at the site likely contain PCBs. Appendix E also provides a summary of the transformers identified during the site visit.

### 4.5 Asbestos Containing Materials (ACM)

As noted in section 4.2, suspect asbestos containing materials were noted in several of the on-site buildings. Based on the age of the structures (constructed prior to 1987), asbestos may be in additional building materials. An asbestos survey was not conducted as a function of this assessment.

### 4.6 Site Surface Water Bodies/Areas

Muggett's Pond is located at the center of the site and is reported to be a man-made pond. Water from the pond was reportedly used to cool rocket engines during tests in the 1950's and 1960's. It also served as the ultimate destination of all surface water runoff from the center of the site including drainage from Buildings 1, 2, 3, 4, 6, 13, 15 and 24. Liquids reached the pond via either Muggett's Pond drainage ditch, piping associated with building floor drains and catch basins or by pumping directly into the pond.

Standing water was observed within the pond at the time of the site visit. No staining or sheens were noted in or surrounding the pond at the time of the site visit.

A man made pond is located adjacent to the west side of Building 20. Though the water within the pond was cloudy, no staining or sheens were noted in or surrounding the pond at the time of the site visit.

Quench pits were identified to the east of Buildings 3 and 4 and at Building 25. These pits were used to absorb flame and heat from rocket tests. At the time of the site visit the pits contained standing water. Though the water was cloudy, no staining or sheens were noted within the pits.

### 4.7 Site Drainage

Drainage features for each of the site buildings are detailed in section 4.2.

### 4.8 Site Waste Profile

#### 4.8.1 Solid Wastes/General Trash (Generation/Storage/Disposal)

Other than typical office debris, no solid wastes are reportedly generated, stored or disposed of. At the time of the site visit, various building components, piping and vessels were being decommissioned for recycling.

#### 4.8.2 Sludges (Generation/Storage/Disposal)

No sludge wastes were identified on the site during the site visit. According to the site contact, no sludges are generated, stored or disposed of on the site.

4.8.3 Liquids (Generation/Storage/Disposal)

According to the site contact, the only liquid waste currently generated at the site is waste oil generated from maintenance on equipment within Building 23. As noted in section 4.2, other drums were identified within the site building which may contain additional wastes from previous site activities.

4.8.4 Wastewater Discharge(s)

No wastewater discharges were identified on the site during the site visit. According to the site contact, no wastewater is currently generated on the site.

4.8.5 Waste Lagoons or Disposal Pits (Current and Historic)

Several disposal pits and storage areas were previously associated with the subject site. These areas were assessed and remediated as necessary under the prevue of the USEPA.

4.8.7 Waste Drums/Containers

Drums of waste identified at the time of the site visit are discussed in section 4.2 for each building.

4.8.8 Raw Product Drums/Containers

Drums of raw product identified at the time of the site visit are discussed in section 4.2 for each building.

**4.9 Underground (UG) and/or Above Ground (AG) Storage Tanks**

Current and former underground and above ground petroleum storage tanks are discussed in section 4.2 for each building. At the time of the site visit activities at the site involved the decommissioning and removal of above ground compressed air tanks. These tanks were stored in an area to the east of Building 5.

According to a previous report prepared for the site, many USTs were removed by GE in 1961, though no tank closure documentation is available for this activity.

## 4.10 Observed Evidence of Potential or Known Site Contamination

### 4.10.1 Evidence of Soil Contamination/Liquid Discharges

As noted within section 4.2, staining was noted within and near several buildings located on the site. The staining generally appeared to be contained to concrete or paved surfaces and was generally not noted in the area of floor drains. Staining was also noted from some of the transformers. This staining is also addressed in section 4.2.

### 4.10.2 Soil or Surface Disturbances

Several cuts were identified within the paved surfaces on the site. Some of the cuts appear to be for utility lines, others were identified in areas where USTs had been removed from the site.

### 4.10.3 Evidence of Waste Deposits (Piles/Pits/Landfills/Lagoons)

Two (2) piles of spent shells were identified within the firing range area. The eastern portion of the site is used to store various materials including scrap metal and decommissioned storage vessels.

## 5.0 PHASE II ASSESSMENT

### 5.1 Areas of Focus

Based on the findings of the Phase I ESA portion of this assessment, several areas of concern were identified which required further evaluation. These areas are defined by USTs, drainage features and transformers. The following section discusses areas of concern relative to USTs by building. Those buildings which do not have outstanding UST issues are not listed.

**Building 1**: Plans for the site indicate that the area to the west of Building 1 contained a fuel pump and four (4) 10,000 gallon fuel oil USTs while a utility plan for the site indicates four (4) 10,500 gallon tanks were located in the area. The Source Control Investigation Area (SCIA) indicates the area west of Building 1 formerly contained three (3) 10,000 gallon USTs. The three (3) 10,000 gallon fuel oil USTs were removed in 1998 and a tank closure report is available for this activity. The site owner reports that provisions were made to install a fourth UST, however the it was never installed. Based on the discrepancies in the number and size of the tanks, this area was determined to require further evaluation.

**Building 3**: A suspect fill was identified during the site visit adjacent to Building 3. This area was determined to require further evaluation.

**Building 5**: Plans provided by Wright-Malta and the SCIA indicate a 550 gallon fuel oil UST at Building 5A. Piping was identified in this area during the site visit, though this piping did not represent typical fill and vents. This area was determined to require further evaluation.

**Building 6**: Plans provided by Wright-Malta and the SCIA indicate a 550 gallon fuel oil UST at Building 6A. Plans also indicate a 500 gallon fuel and oil tank. Evidence of the USTs was not identified during the site visit. This area was determined to require further evaluation.

**Building 7**: Plans provided by Wright-Malta and the SCIA indicate a 3,000 gallon fuel oil UST and a 550 gallon fuel oil UST. The 3,000 gallon UST was removed in 1998. Since a tank closure report was available for this activity no further evaluation was considered necessary. However, as evident by the presence of a fill, vent and

cover in the area of the mapped 550 gallon UST, this area was determined to require further evaluation.

**Building 10**: Plans provided by Wright-Malta indicate that a 300 gallon gasoline UST was located east of the building along with a 550 gallon fuel oil UST. The SCIA indicates a 3,000 gallon above ground diesel storage tank and a 550 gallon UST were located south of the building. A location sketch indicates a 3,000 gallon alcohol UST and two (2) 6,000 gallon fuel oil USTs were located northeast of the building which are also depicted on the SCIA. Piping was identified in this area during the site visit, though this piping did not represent typical fills and vents. A 1991 tank inspection report indicates the two (2) 6,000 gallon fuel oil USTs were removed in 1991. The tank inspection report was developed following the removal of the USTs and backfilling of the tank graves.

Since removal documentation is not available for all of the USTs and the documentation for the two (2) 6,000 gallon USTs was prepared following the removal of the USTs, it was determined that this area required additional evaluation.

**Building 11**: Although documentation exists for the 3,000 gallon fuel oil UST, a 550 gallon fuel oil UST is still in place. Further evaluation of this UST was required.

**Building 13**: Plans provide by Wright-Malta and the SCIA indicate a 10,000 gallon fuel oil tank was located east of Building 13. The 10,000 gallon UST was removed in 1998 from the east side of the building and a tank closure report is available for this activity, however the utility plan for the site indicates that a 4,000 gallon UST may have also existed to the east of the building. The SCIA also depicts a 1,000 gallon fuel oil tank to the west of Building 13. A fill and vent pipe were identified in this area during the site visit. Further evaluation of the USTs at Building 13 was required.

**Building 14**: Although tank closure documentation exists for the 4,000 gallon fuel oil UST and a 3,000 gallon gasoline UST, plans also depicted two (2) 1,000 gallon fuel oil USTs to the east of the building. This area was determined to require further evaluation.

**Building 15**: Although a tank closure report was available for the three USTs removed from the Building 15 area, the tank closure report was completed following the removal of the USTs. This area was determined to require further evaluation.

**Building 16**: The SCIA indicates a 1,000 gallon fuel oil UST was located to the west of Building 16. The utility plan indicates a 2,000 gallon fuel oil UST. This area was determined to require further evaluation.

**Building 17**: The SCIA indicates a 550 gallon fuel oil tank was located to the northwest of the building. The utility plan also depicts a 550 gallon fuel oil UST, however, the tank is depicted in a location slightly different than that of the SCIA. A tank closure report was provided by NYSERDA. This area was determined to require further evaluation based on the discrepancy in the tank location.

**Building 18**: Plans provided by Wright-Malta and the SCIA indicate a 550 gallon fuel oil UST is located to the east of Building 18H. A fill pipe and a vent pipe were identified to the south of Building 18H. Based on the presence of an active tank, this area was determined to require further evaluation.

**Building 20**: NYSERDA provided a tank closure report for a 5,000 gallon UST and 4,000 gallon UST which were located to the east of Building 20H. The tank closure report indicates that attempts were made to also locate a 550 gallon gasoline UST, however this tank could not be located. Based on the potential presence of the 550 gallon UST, this area was determined to require further evaluation. Additionally, the tank closure documentation provided did not include the sampling and analysis of soils or groundwater in the area of the removed tanks.

**Building 21**: Although tank closure documentation was available for the removal of a 5,000 gallon fuel oil tank, three additional tanks were identified on the utility plan for this area. No closure documentation was available for these tanks. This area was determined to require further evaluation.

**Building 23**: Although a tank closure report was available for the removal of the 4,000 gallon fuel oil UST located to the west of the building, a vent pipe remains in this location. This area was determined to require further evaluation.

**Building 23P**: A 3,000 gallon gasoline UST and a 3,000 gallon fuel oil UST are depicted on plans for this building to the south of the building. No tank closure documentation was available for the removal of these tanks. As such, this area was determined to require further evaluation.

**Building 25**: Plans provided by Wright-Malta indicate five (5) 3,000 gallon alcohol tanks were located to the south of Building 25.

Tank closure documentation was provided for a 10,000 gallon fuel oil tank to the west of Building 25S, and a 10,000 gallon rocket fuel UST. The tank closure report also indicates that attempts were made to also locate a 550 gallon gasoline UST, however this tank could not be located. Based on the potential presence of the 550 gallon UST, this area was determined to require further evaluation. Additionally, the tank closure documentation provided did not include the sampling and analysis of soils or groundwater in the area of the removed tanks. During the site visit a series of four vent pipes were identified to the west of Building 25H. Neither Wright-Malta nor NYSERDA personnel were able to provide information on the potential tank(s) associated with these vent pipes.

**Building 26**: Plans provided by Wright-Malta indicate a 6,000 gallon fuel oil UST and a 300 gallon gasoline UST were located to the north of Building 26 which is no longer located on the site. As such, this area was determined to require further evaluation.

**Building 28**: Plans provided by Wright-Malta and the SCIA indicate a 550 gallon fuel oil tank to the east of Building 28H. Evidence of this tank was identified during the site visit in the form of fill and vent pipes. As such, this area was determined to require further evaluation.

Plans indicate two (2) 6,000 gallon gasoline USTs were located north of Building 28, although the SCIA labels these USTs as hydrocarbon fuel. Two (2) additional hydrocarbon fuel tanks are shown in this area and are depicted as 10,000 gallon tanks. Although a tank closure report was available for the two (2) 6,000 gallon USTs, no documentation was available for the 10,000 gallon USTs. The utility plan for the site depicts two (2) 6,000 gallon gasoline USTs in a slightly different location and orientation than the SCIA. Further evaluation was required based on these discrepancies and the lack of closure documentation of the two (2) 10,000 gallon USTs.

**Building 30**: A tank closure report was available for a 550 gallon fuel oil UST and a 10,000 gallon fuel oil UST. The SCIA also depicts a 3,000 gallon fuel oil tank in this location. A series of four vent pipes and a manhole cover were identified in this area

during the site visit. These vents may be associated with water tanks as depicted on the utility plan. Based on a lack of closure documentation for the 3,000 gallon tank and the presence of the vent pipes, this area was determined to require further evaluation.

The following section discusses areas of concern relative to drainage features by building. Those buildings which do not have outstanding drainage feature issues are not listed.

**Building 7:** A floor drain was observed within the interior of the structure, near the northern wall. The discharge location is not known. Further evaluation was determined to be required to evaluate the floor drain.

**Magazine 8 and Magazine 9:** A drain is located at the base of the stairs leading into each of these structures, which is located below grade. It is suspected that floor drains are located in the rear portion of the structures. Dry wells are associated with each of these structures. The floor drains are indicated to discharge to the dry wells. Further evaluation was determined to be required to evaluate the dry wells.

**Building 10**: A dry well was noted on plans provided by Wright-Malta to the north side of this building. Further evaluation was determined to be required to evaluate the dry well.

**Building 14:** Four (4) floor drains are located within the former Lab Room, which currently has several cabinets of dry and liquid chemical products. One floor drain is located at the foot of the stairs leading to the basement of the building (interior staircase). A sump is located in basement area (boiler room). A small amount of liquid was present in the sump, with sediment present on the water. No outfall was readily observable in the sump. One floor drain was located within the center of the basement area (boiler room). Staining of the concrete floor in the vicinity of the drain was noted at the time of the site visit. A photo developing lab is present on the ground level of the building. Several pieces of equipment and sinks are present in this area. A one gallon container of 28% acetic acid was observed within the photo area.

Plans for Building 14 indicate that two (2) dry wells are associated with the building, one which is beneath the western portion of the site building which was an addition

in 1951 and one at the northwestern corner of the addition. A concrete pad was also noted to the west of the addition and is reported to be a chemical dry well for the lab.

Plans also indicate a grease sump in the northwest corner of the original portion of the site building.

A septic system, which is shared with Building 23, was evaluated in 1994 by ERM.

Further assessment of these drainage features was determined to be required.

**Building 20:** Although one dry well was evaluated for this building in 1994 by ERM, two (2) additional dry wells are associated with the building. Further evaluation was determined to be required for the dry wells.

**Building 21**: A trench drain is located in the eastern section of the building. Evaluation of the floor drain was determined to be required.

**Building 24**: Two (2) of three dry wells were evaluated in 1994 by ERM. The remaining dry well was determined to require further evaluation.

**Building 30:** A floor drain is located within the building, and appears to be plugged with debris. Further evaluation was determined to be required.

## 6.0 METHOD OF INVESTIGATION

The Phase II ESA addressed the areas of concern through the systematic completion of investigative tasks. The first aspect of the investigation was the completion of a ground penetrating radar (GPR) survey of suspected UST and buried drainage feature locations. The purpose of the GPR survey was to identify signals which could represent buried features, and to determine their sizes and orientations. The GPR survey is a real time tool such that suspected buried features were marked on the ground at the time of discovery. The suspected feature locations were then evaluated for evidence of contamination through the advancement of soil borings and installation of groundwater monitoring wells at location where groundwater was present within the planned depths of exploration. Recovered soil samples were screened for evidence of contamination in the field at the time of recovery and select soil samples were chosen for detailed laboratory analysis. At those boring locations converted to monitoring well locations, groundwater samples were collected and submitted for laboratory analysis. Surficial soil samples were also collected beneath and/or adjacent to the various electrical transformers within the site for PCB analysis. The following sections further discuss the investigations conducted.

### 6.1 GPR Survey

A GPR survey was completed by Sub-Surface Informational Surveys, Inc., of East Longmeadow, Massachusetts, under the observation of C.T. Male representatives. GPR is a geophysical method for identifying subsurface anomalies based on differing physical properties of the anomaly and surrounding media. Electromagnetic signals are transmitted into the ground which are deflected back to a receiver where the signal is amplified, processed and ultimately displayed on a video display recorder. As the unit is moved across the ground surface a continuous radar display is produced. GPR reflections are produced by spatial changes in the physical properties of the subsurface (i.e. type of material, presence of fluids, porosity, etc.) and related changes in the electrical properties of the subsurface material in the path of the signals. The greater the differences, the stronger the observed reflection. Metallic objects such as tanks, utilities and conduits have electrical properties uniquely different from those of the soils in which they are buried. As a result, the GPR reflections of these features are usually of high amplitude and have distinctive

shapes. These distinctive shapes are assessed by the operator to distinguish or identify a potential buried feature.

The GPR survey was conducted on Monday, Tuesday and Wednesday, May 24, 25 and 26, 2004. The GPR survey was conducted across the ground surface of the site to identify the potential presence of underground storage tanks, drainage features and to outline the location of suspected and unknown USTs. The locations of the suspected features were pin flagged or spray painted as the survey was being conducted. The GPR survey was completed within the areas of concern identified with Section 5.1.

### 6.2 Test Boring Locations

The test boring locations were selected to assess the subsurface conditions at each of the area of concerns identified in Section 5.1. The location of the test borings are shown with Figure 3 in Appendix A.

### 6.3 Drilling Method and Soil Sampling

The drilling activities were completed between the dates of May 25 and June 2, 2004 by SJB Services, Inc. under the observation of C.T. Male representatives. Geoprobe drilling techniques were utilized to complete the test borings. The boring numbers (BLD13-1KFO, BLD7-DW1, etc.) identify the building number at which the boring was completed, and the buried structure location being assessed. For example, BLD13-1KFO indicates the boring was completed at Building 13 adjacent to a 1,000 gallon Fuel Oil underground storage tank. BLD7-DW1 indicates the boring was completed at Building 7 adjacent to dry well number 1.

The planned depth of each boring was 24 feet below grade. This depth was selected as it is at least two (2) times deeper than the bottom of any of the suspected buried feature of concern, and should be capable of encountering contamination beneath the buried structure had the structure released contamination into the site soils.

At each test boring location the borehole was first advanced to a depth of four (4) feet below grade to ensure the borehole was not positioned over a buried utility line or other structure. Upon reaching four (4) feet in depth, a two-inch diameter by four (4) foot long Macro-Core sampling barrel with an acetate liner was advanced at

continuous four (4) foot intervals to the termination depth of the borings. The recovered soil samples were classified using the Unified Soil Classification System. The soil sample descriptions for the borings are presented on individual Geoprobe Subsurface Exploration Logs in Appendix I.

Immediately following the recovery of the soil samples (hand auger or sampling barrel samples) from the test borings, each sample was screened for the presence of detectable volatile organic compound vapors with a MiniRAE 2000 photo-ionization detector (PID) equipped with a 10.6 eV lamp, and subjectively assessed for contamination on the basis of organoleptic perception (i.e., sight and smell). The PID meter was calibrated according to manufacturer recommendations prior to use utilizing isobutylene standard gas (100 parts per million). The PID soil screening results are presented on the Organic Vapor Headspace Analysis Logs in Appendix H.

Select soil samples were collected from each boring location for laboratory analysis. The selection of the sample was based on the following criteria:

- The soil sample depth interval exhibiting the highest PID reading from the borehole, and/or the sample interval exhibiting the highest level of subjective impact.
- If the PID readings were all within the ambient air background levels, and no subjective evidence of contamination was observed, the soil sample interval beneath the bottom depth of the suspected buried feature was collected for analysis.

Surface soil samples were also collected beneath pole mounted transformers and capacitors, and adjacent to the concrete pad of the pad mounted transformers. At locations where leaf litter or vegetation (grass) was present it was removed prior to collecting the samples from the 0 to 2 inch depth interval.

### 6.4 Well Construction and Groundwater Sampling

Groundwater monitoring wells were planned to be installed within each borehole if it was encountered within 24 feet below grade within the first water bearing formation (i.e., glacio-lacustrine sand). Only three (3) monitoring wells were installed beneath the water table during the investigation as groundwater was not

encountered within 24 feet at the majority of the test boring locations. The monitoring wells installed to confirm the water table was not present within the depths explored were at borings BLDG14-DW1, BLDG16-1KFO and BLDG28-TFB1.

Upon completion of sampling, borings BLD5A-550FO, BLDG18-550FO2 and BLD25M-UST were converted to 1 ¼ inch diameter PVC groundwater monitoring wells with the installation of well screen and riser pipe. The well screen interval of each well was selected such that it would straddle the interpreted water table surface at the time of drilling. Filter sand was placed around and above the well screen with a bentonite seal placed above the filter pack. New pre-packaged well materials were used for the well installations.

The monitoring wells with groundwater present were purged and sampled on June 3, 2004. Each well was purged and sampled with individual, new, factory wrapped disposal bailers to eliminate the potential for cross contamination. QA/QC samples are discussed in Section 6.5.

The groundwater samples were collected in new laboratory supplied glass jars while wearing new disposable gloves. The samples were placed in a cooler with ice and transported to laboratory following proper chain of custody protocols.

### 6.5 Laboratory Analysis of Soil and Groundwater

The soil and groundwater samples collected from the borings/monitoring wells completed to evaluate the subsurface conditions at the known and suspected underground storage tank locations were analyzed for the Target Compound List (TCL) of volatile and semi-volatile organic compounds (base/neutral fractions) by EPA Methods 8260 and 8270, respectively. These methods include the compounds typically found in petroleum grade fuels as well as compounds identified as contaminants of concern during the USEPA RI/FS for the MRFA.

The soil and groundwater samples collected from the borings/monitoring wells completed to evaluate the subsurface conditions at the known and suspected buried drainage features were analyzed for the full TCL of volatile (EPA Method 8260) and semi-volatile organic compounds (EPA Method 8270), pesticides (EPA Method 8081) and PCBs (EPA Method 8082), and the Target Analyte List of metals (19 metals) by standard methods. This expanded list of compounds and analytes was selected as

the drainage features may have accepted a wide variety of potential contaminates, particularly from the laboratory within Building 14.

The surface soil samples collected from the electrical transformer locations were analyzed for PCBs by EPA Method 8082.

Quality control/quality assurance samples in the form of sample duplicates, equipment blanks, matrix spike/matrix spike duplicates (MS/MSD) and trip blanks were collected and analyzed along with the media samples. The samples were analyzed in accordance with ASP Category B Data Deliverable requirements. All of the samples were analyzed by Severn Trent Laboratories, Inc. of Newburgh New York (NYSDOH ELAP # 10142).

### 6.6 Decontamination

To preclude the potential for cross contamination between boring locations, the drilling tools and sampling equipment that would contact the site soils were decontaminated prior to the start of the drilling activities and between test boring locations utilizing a detergent/water wash and tap water rinse. Decontamination of equipment occurred at each respective boring location. Decontamination wash and rinse water was allowed to infiltrate the ground surface adjacent to the respective boring locations. All soil samples were handled with a new pair of gloves to eliminate cross contamination of the soil samples.

### 6.7 Inventory of Materials

An inventory of various facility materials having the potential to be regulated wastes if they were to be marked for disposal was completed by Onyx Environmental Services, LLC of Latham New York. The inventory was conducted on June 9, 2004. All of the site buildings were entered except for the Building 27 series and Magazine 8. Wright Malta denied access to these locations due to the presence of various munitions which are the responsibility of the U.S. Government. These buildings were previously entered and inventoried by C.T. Male representatives during the initial Phase I ESA site walk over. Using the material inventory, Onyx Environmental Services, Inc. prepared cost estimate for the proper packaging, transportation and disposal of the materials. Refer to section 7.5 for more

information pertaining to this inventory of materials. A list of the inventoried materials is presented in Appendix F.

## 7.0 FINDINGS

### 7.1 GPR Survey

The following section provides a description of the findings of the GPR survey at each of the locations assessed. The GPR survey report is presented in Appendix G of this report.

**Building 1**: The GPR survey was conducted in the areas surrounding Buildings 1 and 1B as well as in the mapped location of the 10,000 gallon fuel oil USTs to the west of Building 1. Anomalies were not identified within the surveyed areas which suggested the presence of USTs.

**Building 2**: The GPR survey was conducted in the area surrounding Building 2. Anomalies were not identified within the surveyed areas which suggested the presence of USTs.

**Building 3**: The GPR survey was conducted in the area to the east of the southern tank pit and in the area to the west of the southern bottle bank where a suspect fill pipe was identified. Although anomalies were not identified in the area to the east of the tank pit, an anomaly which suggests the potential presence of a UST was noted in the vicinity of the suspect fill pipe. The approximate location and orientation of the potential UST was marked.

The survey was also conducted in the area surrounding Buildings 3A, 3Q and 3S. Anomalies suggesting the presence of USTs were not identified within the surveyed areas near Buildings 3A, 3Q and 3S.

**Building 4**: The GPR survey was conducted in the area surrounding Buildings 4A and to the east of the tank pits of Building 4. Anomalies were not identified within the surveyed areas which suggested the presence of USTs.

**Building 5**: The GPR survey was conducted to the northeast of Building 5A in the area of the mapped 550 gallon fuel oil UST. An anomaly which suggests the potential presence of a UST was noted in the vicinity of the mapped UST. The approximate location and orientation of the potential UST was marked in the field.

**Building 6**: The GPR survey was conducted in the area surrounding Building 6A. Anomalies were not identified within the surveyed areas which suggested the presence of USTs.

**Building 7**: The GPR survey was conducted in the area between Buildings 7 and 7H in the area where evidence of a fill and vent pipe were observed. The approximate location and orientation of the known UST was marked. The tank was noted to be a 550 gallon tank, however, based on the results of the GPR survey, this tank may be a 1,000 gallon or larger. No other anomalies which suggested USTs were identified in this area.

**Building 8**: The GPR survey was conducted on the north side of Building 8. The limits of the underground bunker were outlined and a suspect dry well location was identified and marked. Anomalies suggesting potential USTs were not identified.

**Building 9**: The GPR survey was conducted on the east side of Building 9. The limits of the underground bunker were outlined and a suspect dry well location was marked. Anomalies suggesting potential USTs were not identified.

**Building 10**: The GPR survey was conducted in the area surrounding Building 10. An anomaly was identified to the west of the building in the area of the removed 500 gallon diesel UST and was likely the tank grave or utilities which traverse the area. No other anomalies were identified which suggested potential USTs.

**Building 11 (and 6H)**: The GPR survey was conducted in the areas surrounding Buildings 11, 11S and 6H. The location and orientation of the known UST at Building 6H was marked. The tank was noted on plans to be a 550 gallon tank, however, based on the results of the GPR survey, this tank may be larger than 550 gallons as the dimensions of the anomaly were larger than what is normally expected for a 550 gallon tank. No other anomalies which suggested USTs were identified.

**Building 13**: The GPR survey was conducted in the area surrounding Building 13. The location and orientation of one known UST to the west of Building 13 was marked. No other anomalies which suggested USTs were identified.

**Building 14**: The GPR survey was conducted in the area surrounding Building 14. The bounds of the laboratory chemical dry well to the west of the building were

marked. In addition to this dry well, two (2) other potential dry well locations were identified and marked, one in the location of a mapped dry well to the northwest of the addition and the second to the south of the chemical dry well.

Anomalies suggesting potential USTs were not identified.

**Building 15**: The GPR survey was conducted in the area surrounding Building 15. Anomalies suggesting potential USTs were not identified.

**Building 16**: The GPR survey was conducted in the area of former Building 16 as well as the adjacent parking lot. Anomalies suggesting potential USTs were not identified.

**Building 17**: The GPR survey was conducted in the area of Building 17. Anomalies suggesting potential USTs were not identified.

**Building 18**: The GPR survey was conducted on the south sides of Buildings 18, 18A and 18H. The location and orientation of the known 550 gallon fuel oil UST was marked. Other anomalies suggesting potential USTs were not identified.

**Building 20**: The GPR survey was conducted in the area surrounding Building 20H and 20W. An anomaly which suggests the potential presence of a UST was noted in the vicinity of the mapped 550 gallon gasoline UST. The approximate location and orientation of the potential UST was marked. No other anomalies which suggested USTs were identified in the field.

**Building 21**: The GPR survey was conducted in the area surrounding Building 21. Anomalies suggesting potential USTs were not identified.

**Building 23**: The GPR survey was conducted in the area surrounding Building 23, 23P and 12P. Anomalies were identified near the southwestern portion of Building 23 and were consistent with a leach field. These areas were marked. No other anomalies were identified.

**Building 24**: The GPR survey was conducted to the south, east and north of Building 24. Anomalies suggesting potential USTs were not identified.

**Building 25**: The GPR survey was conducted in the area of Buildings 25S and 25A. Anomalies suggesting potential USTs were not identified. Due to steep slopes and heavy vegetation, the area to the west of 25H where vent pipes were identified was not included in the GPR survey. The vent pipes suggest the presence of USTs.

**Building 26**: The GPR survey was conducted in the lawn area in the location of former Building 26. Anomalies suggesting potential USTs were not identified.

**Building 28**: The GPR survey was conducted in the areas surrounding Building 28H, the area south of Building 28 and the tank farm area to the north of Building 28. The location and orientation of the known 550 gallon fuel oil UST at Building 28H was marked.

Three anomalies were noted in the tank farm area to the north of Building 28. These anomalies were noted in a location and orientation to the 6,000 gallon gasoline USTs noted on the utility plan for the site.

No other anomalies which suggested USTs were identified.

**Building 30**: The GPR survey was conducted in the area surrounding Building 30 including the area to the southwest of the building where four sets of vent pipes were noted. Three (3) of the anomalies constant with USTs were noted and marked in the area of the four (4) sets of vent pipes.

No other anomalies which suggested USTs were identified.

The GPR survey Report is included in Appendix G of this report.

### 7.2 Soil and Groundwater Conditions

The subsurface soils encountered at each of the test borings were similar. Brown fine sands with varying percentages of coarser sand and fine gravel with low percentages of silt were encountered within the depths explored. The individual subsurface logs for each test boring are presented in Appendix I.

Groundwater was not encountered within the planned exploration depth of 24 feet below ground surface at the majority of the boring locations. Borings BLDG14-DW1, BLDG16-1KFO, and BLDG28TFB1 were advanced to depths of 36 feet, 26 feet and 36

feet respectively, in an attempt to intercept groundwater. Groundwater was not present within these exploration depths. Groundwater was encountered at borings BLD5A-550FO at a depth of 7.5 feet below grade, 30 feet below grade at BLDG18-550FO2, and 18 feet below grade at BLDG25M-UST. Building 5A is located at one of the lowest land surface elevations within the facility. Buildings 18 and 25 are at lower elevations as compared to much of the remaining lands of the facility. Based on the RI/FS, a north-south trending groundwater ridge exists within the site with groundwater movement on the westerly side of the ridge moving generally to the northwest, and to the northeast on the easterly side of the ridge.

### 7.3 Soil Screening Results

The soil screening results for the recovered soil samples from the test borings are presented on the Organic Vapor Headspace Analysis Logs in Appendix H.

Screening of the soils did not reveal elevated PID readings that would be representative of volatile organic compound vapors from the surface to the termination depths of the borings except for at Building 18, adjacent to the 550 gallon fuel oil tank (BLD18-550FO). Elevated PID readings were recorded starting at a depth of 20 to 22 feet below grade. The highest PID reading (65.5 ppm) was recorded at 34-36 feet below grade, beneath the groundwater table. A moth ball type odor and sheens were noted in the saturated soils recovered from 34 to 36 feet below grade.

Based on the elevated PID readings and visual observations (petroleum odor and sheens) indicating evidence of a petroleum release, the NYSDEC Spill Hotline was contacted on April 29, 2004 and Spill #0401023 was assigned to the findings.

### 7.4 Analytical Results

#### 7.4.1 Soil at UST locations

The soil samples selected for laboratory analysis from each UST boring location were analyzed for Target Compound List volatile organic and semi-volatile organic compounds (base neutral fractions). Table 7.4.1 provides a summary of the compounds detected within the samples analyzed. A copy of the laboratory analysis report is presented in Appendix J.

# Table 7.4.1 - Analytical Summary Table for Soil (USTs)
## Phase I II Environmental Site Assessment
## Wright-Malta Site
## C.T. Male Project No.: 02.8049

| Analytical Parameter | NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Value [1] | BLD13-1KFO (8-10') | BLD28H-550FO (8-10') | B28TFB1 (12-14') | BLD25-10KFO (12-14') | B28TFB2 (12-14') | BLD14-3KGAS (10-12') | BLD15-550GAS (8-10') | Equipment Blank Rig-2 (Water) [2] | BLD15-3KGAS (10-12') | BLD51-3KGAS (10-12') |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | STL Report #226651 | STL Report #226651 | STL Report #226651 | STL Report #226651 | STL Report #226651 | STL Report #226651 | STL Report #226651 | STL Report #226651 | STL Report #226651 | Field Duplicate of BLD15-3KGAS |
| **Volatile Organic Compounds by EPA Method 8260 (ug/kg)** | | | | | | | | | | | |
| Acetone | 200 | 8.5 J | 4.5 J | 6.7 J | 5.8 J | 3.7 J | 5 J | 4.1 J | 7.2 J | 4.5 J | 2.8 J |
| Methylene Chloride | 100 | 1.6 J | 1.5 J | 1.1 J | 1.5 J | 1.3 J | 0.99 J | 1.5 J | 1.3 J | 1.1 J | 0.74 J |
| Trichloroethene | 1,400 | < 11 | < 11 | < 11 | 2.4 J | < 11 | < 11 | < 11 | < 10 | 1.1 J | 0.89 J |
| Tetrachloroethene | 1,400 | < 11 | < 11 | < 11 | 9.2 J | < 11 | < 11 | < 11 | < 10 | 1.4 J | 1.5 J |
| 1,1,2,2-Tetrachloroethane | 600 | < 11 | < 11 | < 11 | <11 | < 11 | < 11 | < 11 | < 10 | < 11 | < 11 |
| Total Xylenes | 1,200 | < 11 | 0.84 J | < 11 | < 11 | < 11 | < 11 | < 11 | < 10 | < 11 | < 11 |
| **Semi-volatile Organic Compounds by EPA Method 8270 BN (ug/kg)** | | | | | | | | | | | |
| Fluoranthene | 50,000 | < 360 | < 360 | < 360 | < 370 | < 350 | < 350 | < 370 | < 11 | < 340 | < 350 |
| Pyrene | 50,000 | < 360 | < 360 | < 360 | < 370 | < 350 | < 350 | < 370 | < 11 | < 340 | < 350 |
| Bis(2-ethylhexyl)phthalate | 50,000 | < 360 | < 360 | 21 J | 19 J | < 350 | < 350 | 28 J | 8 J | < 340 | < 350 |
| 2-Methylnaphthalene | 36,400 | < 360 | < 360 | < 360 | < 370 | < 350 | < 350 | < 370 | < 11 | < 340 | < 350 |
| Phenanthrene | 50,000 | < 360 | < 360 | < 360 | < 370 | < 350 | < 350 | < 370 | < 11 | < 340 | < 350 |
| Anthracene | 50,000 | < 360 | < 360 | < 360 | < 370 | < 350 | < 350 | < 370 | < 11 | < 340 | < 350 |

| Analytical Parameter | NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Value [1] | B25-550GAS (6-8') | B6H-550FO (6-8') | B14-4KFO (10-12') | B13-1KFO (8-10') | B15-550FO (6-8') | BLD20-4KFO (10-12') | B20-5KFO (10-12') | BLD20H-550GAS (6-8') | BLD26-6KFO (10-12') | BLD23P-3K (10-12') |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | STL Report #226651 | STL Report #226651 | STL Report #226651 | STL Report #226651 | STL Report #226651 | STL Report #226651 | STL Report #226651 | STL Report #236704 | STL Report #236704 | STL Report #236704 |
| **Volatile Organic Compounds by EPA Method 8260 (ug/kg)** | | | | | | | | | | | |
| Acetone | 200 | 2.5 J | 3.7 J | 3.2 J | 5.5 J | 3.5 J | 5.8 J | 7.5 J | 5.2 J | 3.5 J | 3.8 J |
| Methylene Chloride | 100 | 0.89 J | 0.62 J | 0.6 J | < 11 | 0.9 J | 0.90 J | 1 J | 0.81 J | 0.67 J | 0.70 J |
| Trichloroethene | 1,400 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 | < 10 | < 11 |
| Tetrachloroethene | 1,400 | < 11 | < 11 | < 11 | 1.2 J | < 11 | < 11 | < 11 | < 11 | 0.88 J | < 11 |
| 1,1,2,2-Tetrachloroethane | 600 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 | < 10 | < 11 |
| Total Xylenes | 1,200 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 | < 10 | < 11 |
| **Semi-volatile Organic Compounds by EPA Method 8270 BN (ug/kg)** | | | | | | | | | | | |
| Fluoranthene | 50,000 | < 380 | < 360 | < 360 | < 350 | < 370 | < 360 | < 370 | < 370 | < 340 | < 360 |
| Pyrene | 50,000 | < 380 | < 360 | < 360 | < 350 | < 370 | < 360 | < 370 | < 370 | < 340 | < 360 |
| Bis(2-ethylhexyl)phthalate | 50,000 | < 380 | < 360 | < 360 | < 350 | < 370 | 160 J | < 370 | < 370 | < 340 | < 360 |
| 2-Methylnaphthalene | 36,400 | < 380 | < 360 | < 360 | < 350 | < 370 | < 360 | < 370 | < 370 | < 340 | < 360 |
| Phenanthrene | 50,000 | < 380 | < 360 | < 360 | < 350 | < 370 | < 360 | < 370 | < 370 | < 340 | < 360 |
| Anthracene | 50,000 | < 380 | < 360 | < 360 | < 350 | < 370 | < 360 | < 370 | < 370 | < 340 | < 360 |

(1) NYSDEC TAGM 4046 *Division and Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels*, dated January 24. 1994.
(2) Equipment Blank Rig-2 collected prior to BLD15-3KGAS. Equipment Blank #2 collected prior to BLD20-DW1.
< denotes less than the method detection limit.
J denotes estimate value when the value is less than the method detection limit but above the instrument detection limit.
Bold values indicate exceedance of reference standard or guidance values.

# Table 7.4.1 - Analytical Summary Table for Soil (USTs)
## Phase I II Environmental Site Assessment
## Wright-Malta Site
## C.T. Male Project No.: 02.8049

| Analytical Parameter | NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Value [1] | BLD10-UST (10-12') | BLD25A-10K (12-14') | BLD25H-UST (10-12') | BLD16-1KFO (8-10') | B7H-550FO (6-8') | B30-10KFO (12-14') | B6A-550FO (6-8') | B5A-550FO (6-8') | B18H-550FO (22-24') | B3-UST (10-12') |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | STL Report #236704 | STL Report #236704 | STL Report #236704 | STL Report #236704 | STL Report #236704 | STL Report #236704 | STL Report #236704 | STL Report #236704 | STL Report #236704 | STL Report #236704 |
| **Volatile Organic Compounds by EPA Method 8260 (ug/kg)** | | | | | | | | | | | |
| Acetone | 200 | 3.6 J | 5.4 J | 3.4 J | 1.6 J | 1.5 J | 4.6 J | 2.3 J | 2.5 J | 3.9 J | 1.7 J |
| Methylene Chloride | 100 | 0.81 J | 0.89 J | < 11 | < 12 | 0.56 J | < 11 | < 11 | < 11 | < 11 | < 11 |
| Trichloroethene | 1,400 | < 11 | 1.7 J | < 11 | < 12 | < 11 | < 11 | < 11 | < 11 | < 11 | 6.6 J |
| Tetrachloroethene | 1,400 | 0.91 J | < 11 | < 11 | < 12 | < 11 | < 11 | < 11 | 1.2 J | < 11 | < 11 |
| 1,1,2,2-Tetrachloroethane | 600 | < 11 | < 11 | < 11 | < 12 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 |
| Total Xylenes | 1,200 | < 11 | < 11 | < 11 | < 12 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 |
| **Semi-volatile Organic Compounds by EPA Method 8270 BN (ug/kg)** | | | | | | | | | | | |
| Fluoranthene | 50,000 | < 350 | < 360 | < 360 | < 380 | < 350 | < 360 | < 360 | < 370 | < 360 | < 370 |
| Pyrene | 50,000 | < 350 | < 360 | < 360 | < 380 | < 350 | < 360 | < 360 | < 370 | 62 J | < 370 |
| Bis(2-ethylhexyl)phthalate | 50,000 | < 350 | < 360 | < 360 | < 380 | < 350 | < 360 | < 360 | < 370 | 21 J | < 370 |
| 2-Methylnaphthalene | 36,400 | < 350 | < 360 | < 360 | < 380 | < 350 | < 360 | < 360 | < 370 | < 360 | < 370 |
| Phenanthrene | 50,000 | < 350 | < 360 | < 360 | < 380 | < 350 | < 360 | < 360 | < 370 | < 360 | < 370 |
| Anthracene | 50,000 | < 350 | < 360 | < 360 | < 380 | < 350 | < 360 | < 360 | < 370 | < 360 | < 370 |

| Analytical Parameter | NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Value [1] | BLD18-550FO2 (30-32') | BLD18-550FO2 (Rerun) | Field Duplicate#2 BLD18-550FO2 | Field Duplicate#2 (Rerun) | Equip. Blank#2 (Water) [2] | BLD21-5000KERO1 (10-12') | BLD17-550FO (8-10') |
|---|---|---|---|---|---|---|---|---|
| | | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236780 |
| **Volatile Organic Compounds by EPA Method 8260 (ug/kg)** | | | | | | | | |
| Acetone | 200 | 5.4 J | NA | 5.1 J | NA | 4.2 J | 3.1 J | 3.6 J |
| Methylene Chloride | 100 | < 11 | NA | < 10 | NA | 0.76 J | < 11 | < 11 |
| Trichloroethene | 1,400 | < 11 | NA | < 10 | NA | < 10 | < 11 | < 11 |
| Tetrachloroethene | 1,400 | < 11 | NA | < 10 | NA | < 10 | < 11 | < 11 |
| 1,1,2,2-Tetrachloroethane | 600 | < 11 | NA | < 10 | NA | < 10 | < 11 | < 11 |
| Total Xylenes | 1,200 | < 11 | NA | < 10 | NA | < 10 | < 11 | < 11 |
| **Semi-volatile Organic Compounds by EPA Method 8270 BN (ug/kg)** | | | | | | | | |
| Fluoranthene | 50,000 | 110 J | 120 J | 88 J | 82 J | < 10 | < 360 | < 350 |
| Pyrene | 50,000 | 170 J | 180 J | 150 J | 160 J | < 10 | < 360 | < 350 |
| Bis(2-ethylhexyl)phthalate | 50,000 | < 350 | < 350 | < 340 | < 340 | < 10 | < 360 | < 350 |
| 2-Methylnaphthalene | 36,400 | 1,300 | 1,400 | 560 | 570 | < 10 | < 360 | < 350 |
| Phenanthrene | 50,000 | 1,500 | 1,500 | 620 | 620 | < 10 | < 360 | < 350 |
| Anthracene | 50,000 | < 350 | < 350 | 620 | < 340 | < 10 | < 360 | < 350 |

(1) NYSDEC TAGM 4046 Division and Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, dated January 24. 1994.
(2) Equipment Blank Rig-2 collected prior to BLD15-3KGAS. Equipment Blank #2 collected prior to BLD20-DW1.
< denotes less than the method detection limit.
J denotes estimate value when the value is less than the method detection limit but above the instrument detection limit.
Bold values indicate exceedance of reference standard or guidance values.

Six TCL volatile organic compounds were detected at one or more test boring locations, although not every boring detected all six compounds together. The concentrations of the compounds detected above the laboratory method detection limits are all below their respective NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Values.

Six TCL semi-volatile organic compounds were detected only detected at BLD18-550FO and BDL18-550FO2. The concentrations of the compounds detected are below their respective NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Values.

7.4.2 Soils at Drainage Features

The soil samples collected for the buried drainage structures were analyzed for TCL volatile and semi-volatile organic compounds, pesticides and PCBs, and Target Analyte List of metals. A summary of the results are presented in Table 7.4.2. The full set of analytical reports is presented in Appendix J.

Four TCL volatile organic compounds were detected at one or more test boring locations, although not every boring detected all four compounds together. The concentrations of the compounds detected above the laboratory method detection limits are all below their respective NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Values.

Two TCL semi-volatile organic compounds were detected at one or more test boring location, although not every boring detected both compounds. The concentrations of the compounds detected above the laboratory method detection limits are all below their respective NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Values.

Two TCL pesticides were detected at one or more test boring location, although not every boring detected both compounds. The concentrations of the compounds detected above the laboratory method detection limits are all below their respective NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Values.

There were no TCL PCBs detected at any of the test boring locations.

Three TAL metals (Beryllium, Iron and Zinc) were detected at concentrations above their respective NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Values. The concentrations of Beryllium at each of the boring locations are similar (0.15 to

# Table 7.4.2 - Analytical Summary Table for Soil (Drainage Features)
## Phase I II Environmental Site Assessment
## Wright-Malta Site
## C.T. Male Project No.: 02.8049

| Analytical Parameters | NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Value [1] | BLD18-DW1 (6-8') | BLD24-DW1 (6-8') | BLD10-DW1 (6-8') | BLD7-DW1 (6-8') | Field Duplicate #3 (BLD20-DW1) | Equipment Blank #3 (Prior to BLD24-DW1) | Trip Blank | Equipment Blank #2 (Prior to BLD20-DW1) |
|---|---|---|---|---|---|---|---|---|---|
| | | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 |
| **Volatile Organic Compounds by EPA Method 8260 (ug/kg)** | | | | | | | | | |
| Carbon Disulfide | 2,700 | < 11 | < 11 | 1.1 J | < 11 | < 11 | < 10 | < 10 | < 10 |
| Acetone | 200 | 2.4 J | 3.8 J | 3.5 J | 1.7 J | < 11 | 1.4 J | 1.6 J | 4.2 J |
| Methylene Chloride | 100 | 1.3 J | 1.2 J | 1.2 J | < 11 | < 11 | < 10 | < 10 | 0.76 J |
| Tetrachloroethene | 1,400 | < 11 | < 11 | 18 | < 11 | < 11 | < 10 | < 10 | < 10 |
| **Semi-volatile Organic Compounds by EPA Method 8270 BN (ug/kg)** | | | | | | | | | |
| Fluoranthene | 50,000 | 40 J | < 350 | < 360 | < 350 | < 360 | < 10 | NA | < 10 |
| Bis(2-ethylhexyl)phthalate | 50,000 | 40 J | < 350 | 54 J | < 350 | < 360 | < 10 | NA | < 10 |
| **Organochlorine Pesticides by EPA Method 8081 (ug/kg)** | | | | | | | | | |
| 4,4'-DDE | 2,100 | < 3.7 | < 3.6 | 0.44 J | 0.35 J | < 3.6 | NA | NA | < 0.10 |
| 4,4'-DDT | 2,100 | < 3.7 | < 3.6 | 0.55 J | < 3.6 | < 3.6 | NA | NA | < 0.10 |
| **PCBs by EPA Method 8082 (ug/kg)** | | | | | | | | | |
| No detections above the method detection limits | | | | | | | | | |
| **Metals (mg/kg)** | | | | | | | | | |
| Aluminum | SB | 4,880 | 3,280 | 4,890 | 4,090 | 4,150 | NA | NA | 675 |
| Arsenic | 7.5 or SB | 1.8 B | 0.84 B | 1.9 B | 1.9 B | 1.7 B | NA | NA | < 1.9 |
| Barium | 300 or SB | 17.4 B | 12.9 B | 19.3 B | 6.1 B | 6.4 B | NA | NA | 0.49 B |
| Beryllium | 0.160 or SB | 0.020 B | 0.15 B | **0.29 B** | **0.22 B** | **0.23 B** | NA | NA | < 0.30 |
| Calcium | SB | 648 | 2,330 | 671 | 372 | 377 | NA | NA | 283 B |
| Chromium | 10 or SB | 4.4 | 3.7 | 4.2 | 3.6 | 3.5 | NA | NA | 0.70 B |
| Cobalt | 30 or SB | 3.6 B | 3.3 B | 3.7 B | 3.6 B | 3.5 B | NA | NA | < 2.5 |
| Copper | 25 or SB | 8.2 | 8.4 | 7.2 | 8 | 9.6 | NA | NA | 3.7 B |
| Cyanide | No Standard | < 1.1 | < 1.1 | 2 | 2 | < 1.1 | NA | NA | < 0.01 |
| Iron | 2,000 or SB | **9,110** | **7,610** | **8,180** | **7,560** | **7,810** | NA | NA | 347 |
| Lead | SB | 3.7 | 2.6 | 3.9 | 3 | 3 | NA | NA | < 1.1 |
| Magnesium | SB | 1,410 | 1,350 | 1,140 | 1,190 | 1,200 | NA | NA | 66.1 B |
| Manganese | SB | 201 | 207 | 228 | 197 | 211 | NA | NA | 9.3 B |
| Mercury | 0.1 | < 0.055 | < 0.051 | < 0.053 | < 0.051 | < 0.054 | NA | NA | < 0.40 |
| Nickel | 13 or SB | 7.3 B | 6.9 B | 6.9 B | 6.5 B | 6.6 B | NA | NA | 1.7 B |
| Potassium | SB | 305 | 290 | 236 | 229 | 236 | NA | NA | 191 B |
| Selenium | 2 or SB | < 1.9 | < 1.9 | < 2 | 1.8 B | < 1.9 | NA | NA | < 1.3 |
| Sodium | SB | < 28.5 | < 28.5 | < 30.1 | < 26.3 | < 28.9 | NA | NA | < 130 |
| Vandium | 150 or SB | 7.5 B | 6 B | 7.5 B | 6.2 B | 6.3 B | NA | NA | < 2.3 |
| Zinc | 20 or SB | **21.5** | **21.5** | **20.1** | 18.6 | 19.3 | NA | NA | < 3.9 |

(1) NYSDEC TAGM 4046 Division and Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, dated January 24. 1994.
< denotes less than the method detection limit.
For organics, J denotes estimate value when the value is less than the method detection limit but above the instrument detection limit.
For inorganics, B denotes the reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit (IDL).
Bold values indicate exceedance of reference standard or guidance values.

# Table 7.4.2 - Analytical Summary Table for Soil (Drainage Features)
## Phase I II Environmental Site Assessment
## Wright-Malta Site
## C.T. Male Project No.: 02.8049

| Analytical Parameters | NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Value [1] | BLD20-DW1 (6-8') | BLD14-DW1 (6-8') | BLD14-DW2 (6-8') | BLD14-DW3 (6-8') | BLD14-LF (4-8') | BLD9-DW (6-8') | BLD8-DW (6-8') |
|---|---|---|---|---|---|---|---|---|
| | | STL Report #236916 | STL Report #236780 | STL Report #236780 | STL Report #236780 | STL Report #236780 | STL Report #236780 | STL Report #236780 |
| **Volatile Organic Compounds by EPA Method 8260 (ug/kg)** | | | | | | | | |
| Carbon Disulfide | 2,700 | < 12 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 |
| Acetone | 200 | 1.7 J | 2.6 J | 4.7 J | 4.8 J | 2.5 J | 2.5 J | < 11 |
| Methylene Chloride | 100 | < 12 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 |
| Tetrachloroethene | 1,400 | < 12 | < 11 | < 11 | < 11 | < 11 | < 11 | < 11 |
| **Semi-volatile Organic Compounds by EPA Method 8270 BN (ug/kg)** | | | | | | | | |
| Fluoranthene | 50,000 | < 380 | < 370 | < 370 | < 360 | < 350 | < 350 | < 360 |
| Bis(2-ethylhexyl)phthalate | 50,000 | 65 J | < 370 | < 370 | < 360 | < 350 | < 350 | < 360 |
| **Organochlorine Pesticides by EPA Method 8081 (ug/kg)** | | | | | | | | |
| 4,4'-DDE | 2,100 | < 3.9 | < 3.7 | < 3.8 | < 3.6 | 0.65 J | < 3.6 | < 3.6 |
| 4,4'-DDT | 2,100 | < 3.9 | < 3.7 | < 3.8 | < 3.6 | 5.6 | < 3.6 | < 3.6 |
| **PCBs by EPA Method 8082 (ug/kg)** | | | | | | | | |
| No detections above the method detection limits | | | | | | | | |
| **Metals (mg/kg)** | | | | | | | | |
| Aluminum | SB | 3,900 | 3,050 | 3,610 | 3,860 | 4,330 | 4,940 | 4,580 |
| Arsenic | 7.5 or SB | 1.8 B | 2.7 | 1.3 B | 1.9 B | 0.94 B | 0.91 B | 1.5 B |
| Barium | 300 or SB | 12.8 B | 17.5 B | 14.6 B | 12 B | 21.7 B | 20.1 B | 9.8 B |
| Beryllium | 0.160 or SB | 0.15 B | **0.28 B** | 0.16 B | **0.17 B** | **0.19 B** | **0.30 B** | **0.21 B** |
| Calcium | SB | 765 | 1.1 B | 471 | 592 | 8,040 | 2,850 | 170 |
| Chromium | 10 or SB | 3.8 | 3.7 | 3.2 | 4.1 | 5 | 4.3 | 3.7 |
| Cobalt | 30 or SB | 3.5 B | 2.2 B | 2.9 B | 3.2 B | 4 B | 3.3 B | 3.1 B |
| Copper | 25 or SB | 8.2 | 6.4 | 6.9 | 7.2 | 10 | 6.3 | 7.7 |
| Cyanide | No Standard | | 2.7 | < 1.1 | < 1.1 | < 1.1 | < 1.1 | < 1.1 |
| Iron | 2,000 or SB | **8,730** | **9,020** | **7,460** | **7,740** | **9,770** | **7,530** | **7,300** |
| Lead | SB | 3.2 | 2.9 | 2.2 | 3.1 | 5.6 | 2.9 | 2.5 |
| Magnesium | SB | 1,340 | 1,040 | 1,030 | 1,160 | 3,060 | 1,170 | 1,100 |
| Manganese | SB | 213 | 39.2 | 186 | 181 | 298 | 181 | 113 |
| Mercury | 0.1 | < 0.053 | < 0.054 | < 0.056 | < 0.054 | 0.099 | < 0.052 | < 0.054 |
| Nickel | 13 or SB | 6.7 B | 5.6 B | 6 B | 6.2 B | 8 B | 6.6 B | 6.5 B |
| Potassium | SB | 269 | 243 | 271 | 262 | 326 | 182 | 212B |
| Selenium | 2 or SB | < 1.9 | 2.1 B | < 1.9 | < 1.9 | < 1.8 | 2 B | 2.2 |
| Sodium | SB | < 28.9 | | 131 | 132 | 194 | 144 | 117 |
| Vandium | 150 or SB | 6.8 B | 6.1 B | 6.1 B | 6.4 B | 8 B | 6.9 B | 6.3 B |
| Zinc | 20 or SB | **22.1** | 18.7 | **21.5** | 19.9 | **30.6** | 19.4 | 19.9 |

(1) NYSDEC TAGM 4046 Division and Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, dated January 24. 1994.
< denotes less than the method detection limit.
For organics, J denotes estimate value when the value is less than the method detection limit but above the instrument detection limit.
For inorganics, B denotes the reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit (IDL).
Bold values indicate exceedance of reference standard or guidance values.

0.30 parts per million). The concentration of Beryllium at the borings where it is above its NYSDEC TAGM 4046 value (0.16 or site background) is only in slight exceedence. The NYSDEC background concentration for Beryllium in Eastern U.S. soil is 0 to 1.75 parts per million (ppm). Since the concentrations of Beryllium are similar at each boring location and are less than the background concentration for Eastern U.S. soils, Beryllium is not considered to be an introduced site contaminant.

Iron was detected at each boring location at concentrations exceeding it NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Value (2,000 ppm verses a detection range of 7,300 ppm to 9,770 ppm) without considering the normal background concentration is soils. The NYSDEC background concentration for Iron in Eastern U.S. soil is 2,000 to 550,000 ppm. Since the concentrations of Iron are similar at each boring location and are less than the background concentration for Eastern U.S. soils, Iron is not considered to be an introduced site contaminant.

Zinc was detected at six of the eleven boring locations at concentrations slightly exceeding it NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Value (20 ppm verses a detection range of 18.6 ppm to 30.6 ppm) without considering the normal background concentration is soils. The NYSDEC background concentration for Zinc in Eastern U.S. soil is 9 to 50 ppm. Since the concentrations of Zinc are similar at each boring location and are less than the background concentration for Eastern U.S. soils, Zinc is not considered to be an introduced site contaminant.

### 7.4.3 Soils at Transformer Locations

As depicted in the analytical summary table for soil (transformers), Table 7.4.3, PCBs were not detected above the laboratory method detection limit at the following locations:

- Building 24 Pad 3 (BLD24-PAD3)
- Building 24, Pad 1 (BLD24-PAD1)
- Building 1A pole mounted transformer (BLD1A-PMTF 50/4800)
- Building 27A pole mounted transformer (BLD27A-PMTF25)
- Building 25 Pad 3 (BLD25-PAD3)
- Building 7B pole mounted transformer (BLD7B-PMTF69)
- Building 20 Pad 1 (BLD20-PAD1)
- Building 20M Pad 1 (BLD20M-PAD1)
- Building 13 pole mounted transformer (BLD13-PMTF64A.B)

# Table 7.4.3 - Analytical Summary Table for Soil (Transformers)
## Phase I II Environmental Site Assessment
## Wright-Malta Site
## C.T. Male Project No.: 02.8049

| Analytical Parameters | NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Value (1) | BLD24-PAD3 | BLD24-PAD1 | BLD1A-PMTF 50/4800 | BLD27A-PMTF25 | BLD25-PAD3 | BLD7B-PMTF69 | BLD23-PAD3 | BLD20-PAD1 |
|---|---|---|---|---|---|---|---|---|---|
| | | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 |
| **PCBs (ug/kg) by EPA Method 8082** | | | | | | | | | |
| Aroclor 1242 | 1,000 | < 20 | < 18 | < 19 | < 20 | < 19 | < 18 | < 19 | < 20 |
| Aroclor 1248 | 1,000 | < 20 | < 18 | < 19 | < 20 | < 19 | < 18 | 75 | < 20 |
| Aroclor 1254 | 1,000 | < 39 | < 36 | < 37 | < 41 | < 39 | < 37 | 25 J | < 39 |
| Aroclor 1260 | 1,000 | < 39 | < 36 | < 37 | < 41 | < 39 | < 37 | < 39 | < 39 |

| Analytical Parameters | NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Value (1) | BLD20M-PAD1 | Equipment Blank | BLD13-PMTF63(3) | BLD13-PMTF64A.B | BLD14-PMTF | DUPLICATE (PCB) | BLD4A-GETF | BLD6-TF |
|---|---|---|---|---|---|---|---|---|---|
| | | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 | STL Report #236866 | Duplicate Taken of BLD14-PMTF | STL Report #236866 | STL Report #236866 |
| **PCBs (ug/kg) by EPA Method 8082** | | | | | | | | | |
| Aroclor 1242 | 1,000 | < 18 | < 0.5 | < 18 (< 180 D) | < 19 | < 19 | < 19 | 79 | < 22 |
| Aroclor 1248 | 1,000 | < 18 | < 0.5 | < 18 (< 180 D) | < 19 | < 19 | < 19 | < 21 | < 22 |
| Aroclor 1254 | 1,000 | < 36 | < 1 | 320 (750 D) | < 39 | < 38 | < 38 | 51 | 180 |
| Aroclor 1260 | 1,000 | < 36 | < 1 | < 37 (< 370 D) | < 39 | 14 J | 14 J | < 41 | < 44 |

(1) NYSDEC TAGM 4046 Division and Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, dated January 24. 1994.
< denotes less than the method detection limit.
J denotes estimate value when the value is less than the method detection limit but above the instrument detection limit.
D denotes all compounds identified are the result of a secondary dilution factor.
Bold values indicate exceedance of reference standard or guidance values.
Sample ID's with PMTF denote Pole Mounted Transformer. The trailing number denotes the pole number, if observed.
Sample ID's with PAD denote Pad Mounted Transformer. The trailing number denotes the transformer number, if observed.

(The number following the pole mounted designation relates to the pole identification noted in the field).

PCBs were detected at Building 23 Pad 3 (BLD23-PAD3). Aroclor 1248 was detected at 75 ppb and Aroclor 1254 was detected at 25 ppb. This value was estimated as the value was less than the method detection limit but above the instrument detection limit.

Aroclor 1254 was detected in the soil sample at 320 ppb at Building 13 pole mounted transformers 63(3) (BLD13-PMTF63(3)).

Aroclor 1260 was detected in the soil sample at 14 ppb at Building 14 pole mounted transformer (BLD-PMTF). This value was estimated as the value was less than the method detection limit but above the instrument detection limit.

Aroclor 1242 was detected at a concentration of 80 ppb within the sample collected from beneath the GE transformer located within Building 4A (BLD4A-GETF). Aroclor 1254 was detected at a concentration of 52ppb.

Aroclor 1254 was detected at a concentration of 180 ppb within the sample collected from beneath the transformers within Building 6 (BLD6-TF).

The PCB concentrations detected in the soil samples are all below the NYSDEC TAGM 4046 (January 1994) Recommended Soil Cleanup Objective Value which is 1,000 ppb.

### 7.4.4 Groundwater at UST Locations

Groundwater samples were collected from the monitoring wells installed within borings BLD5A-550FO, BLDG18-550FO2 and BLDG25M-UST. The groundwater samples were analyzed for TCL of volatile organic compounds (VOCs) and semi-volatile organic compound, base-neutral fractions, (S-VOCs). The results of the analyses are presented in Table 7.4.4. The table summarizes only those compounds detected above the limit of laboratory detection. As shown, there were no VOCs or S-VOCs detected in the groundwater at BLD25H-UST. Estimated low level concentrations of Carbon Tetrachloride and Tetrachloroethene were the only

# Table 7.4.4 - Analytical Summary Table for Groundwater
# Phase I II Environmental Site Assessment
# Wright-Malta Site
# C.T. Male Project No.: 02.8049

| Analytical Parameter | NYSDEC Groundwater Quality Standard (1) | Equipment Blank (Prior to BLD5A-550FO) | BLD18-550FO2 | BLD18-550FO2 (Rerun) | Trip Blank | BLD5A-550FO | BLD5A-550FO (Duplicate) | BLD25H-UST |
|---|---|---|---|---|---|---|---|---|
| | | STL Report #236917 | STL Report #236917 | STL Report #236917 | STL Report #236917 | STL Report #236917 | STL Report #236917 | STL Report #236917 |
| **Volatile Organic Compounds by EPA Method 8260 (ug/l)** | | | | | | | | |
| Acetone | 50 | < 10 | 5.6 J | NA | < 10 | < 10 | < 10 | < 10 |
| Carbon Tetrachloride | 5 | < 10 | < 10 | NA | < 10 | 1.4 J | 1.4 J | < 10 |
| Tetrachloroethene | 5 | < 10 | < 10 | NA | < 10 | 1.8 J | 1.7 J | < 10 |
| Total Xylenes | 5 | < 10 | **8 J** | NA | < 10 | < 10 | < 10 | < 10 |
| **Semi-volatile Organic Compounds by EPA Method 8270 BN (ug/l)** | | | | | | | | |
| Naphthalene | 10 GV | < 10 | **39** | **44 J** | NA | < 10 | < 10 | < 10 |
| 2-Methylnaphthalene | No Standard | < 10 | 210 | 220 | NA | < 10 | < 10 | < 10 |
| Acenaphthene | 20 GV | < 10 | 3.4 J | < 50 | NA | < 10 | < 10 | < 10 |
| Dibenzofuran | No Standard | < 10 | 4 J | < 50 | NA | < 10 | < 10 | < 10 |
| Fluorene | 50 GV | < 10 | 3.8 J | < 50 | NA | < 10 | < 10 | < 10 |
| Phenanthrene | 50 GV | < 10 | 6 J | 6.4 J | NA | < 10 | < 10 | < 10 |

(1) NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values, June 1998.
GV denotes Guidance Value.
< denotes less than the method detection limit.
J denotes estimate value when the value is less than the method detection limit but above the instrument detection limit.
Bold values indicate exceedance of reference standard or guidance values.

compounds detected at BLD5A-550FO, both of which were detected at concentrations below their respective NYSDEC groundwater standard values. Two (2) VOCs and six (6) S-VOCs were detected in the groundwater sample from BLDG18-550FO2. Of these detections, Total Xylenes and Naphthalene were detected slightly above their respective NYSDEC groundwater standard or guidance value.

The detections of chlorinated solvents at BLD5A-550FO are consistent with the USEPA RI findings and do not represent an unexpected condition in groundwater. As reported in the USEPA RI report, a relatively large groundwater contamination plume of chlorinated solvents lies beneath the majority of the Wright Malta Corp. facility. This plume was delineated and bound within the RI. The concentrations of the chlorinated solvents within the plume exceed NYSDEC groundwater standards, however, not at levels which has required active groundwater remediation. As presented in the ROD, natural attenuation of the contaminants in groundwater along with long term groundwater monitoring is the selected remedy.

The detections at BLDG18-550FO2 are consistent with contaminates associated with fuel oils, and likely represent a release of petroleum product from the 550 gallon Fuel Oil UST at this location.

A copy of the laboratory analysis report is presented in Appendix J.

### 7.5 Material Inventory

The facility material inventory completed by Onyx Environmental Services, Inc. is presented in Appendix F. Onyx and C.T. Male representatives entered each of the site buildings for the inventory. Considerable time was spent within the laboratory and photo lab within Building 14, assessing various storage cabinets, lab drawers and containers. Information from each labeled item inventoried was recorded to assist in determining the material characteristics. Unlabeled items were assessed on the basis item's physical characteristics.

The majority of the materials inventoried, if abandoned or discarded, would be classified as hazardous wastes, and not solid wastes that could readily be managed at a solid waste management facility. Identified materials would require proper manifesting, packaging, and transportation for off site disposal/recycling by appropriately licensed transporters to regulatory agency approved hazardous waste

treatment and/or disposal facilities once they are no longer considered to be useful inventory.

The materials within Magazine 8 and Bunkers 27A, 27B and 27C (mortars, propellants, powders, igniters, etc.) are reported by Wright Malta personnel to be the property of the US Government.

## 8.0 CONCLUSIONS

Although the subject site was the subject of a number of previous environmental related studies principally related to the Malta Rocket Fuel Area (MRFA) site, several additional concerns were identified as a result of the findings of the Phase I Environmental Site Assessment (ESA) of the property. These concerns included:

- The presence of known and suspected underground storage tanks;
- The lack of documentation of previously removed underground storage tanks;
- Dry wells which were previously not addressed during the previous studies;
- The storage of petroleum and chemical materials and
- The presence of electrical containing equipment suspected to contain PCBs.

To address these concerns, the Phase II ESA activities included a ground penetrating radar (GPR) survey, a material inventory, the collection of surface soil samples beneath and adjacent to electrical transformers, and a subsurface investigation which included the advancement of soil borings some of which were converted to groundwater monitoring wells, the collection of soil samples for field volatile organic compounds (VOC) vapor screening, and the collection and analysis of soil and groundwater samples for laboratory analysis.

Based on the results of the GPR survey and observation of the site, the following USTs are known or are suspected to exist within the site:

**Building 3**: A suspect underground storage tank (UST) was identified at Building 3. Evidence of the tank exists in the form of a potential fill pipe and an anomaly was detected in this area during the GPR survey.

**Building 5**: A 550 gallon fuel oil UST was depicted on plans and maps at Building 5. The GPR survey detected an anomaly in the mapped UST location.

**Building 7**: A 550 gallon fuel oil UST was depicted on plans and maps at Building 7. Evidence of the tank is present in the forms of pipes (fill and vent) and a metal cover. The GPR survey detected an anomaly in the mapped UST location. Based on the results of the GPR survey, this tank may be larger than 550 gallons.

**Building 11 (6H)**: A 550 gallon fuel oil UST was depicted on plans and maps at Building 6H. Evidence of the tank is present in the form of piping (fill/vent). The

GPR survey detected an anomaly in the mapped UST location. Based on the results of the GPR survey, this tank may be larger than 550 gallons.

**Building 13**: A 1,000 gallon fuel oil UST was depicted on plans and maps at Building 13. Evidence of the tank is present in the form of piping (fill/vent). The GPR survey detected an anomaly in the mapped UST location.

**Building 18**: A 550 gallon fuel oil UST was depicted on plans and maps at Building 18H. Evidence of the tank is present in the form of piping (fill/vent). The GPR survey detected an anomaly in the mapped UST location.

**Building 20**: A 550 gallon gasoline UST was depicted on maps at Building 20. The GPR survey detected an anomaly in the area of the mapped UST location.

**Building 25**: A series of four (4) vent pipes was identified to the west of Building 25H. The contents of these potential tanks are not known, however, they may have been used to store alcohol or water.

**Building 28**: A 550 gallon fuel oil UST was depicted on plans and maps at Building 28H. Evidence of the tank is present in the forms of piping (fill/vent). The GPR survey detected an anomaly in the mapped UST location.

Three (3) anomalies were identified by the GPR survey to the north of Building 28. Mapping indicates two (2) 6,000 gallon USTs and an outline of a third structure in this area.

**Building 30**: A series of four (4) vent pipes was identified to the southwest of Building 30. Three (3) anomalies were identified in the area of the four (4) vent pipes by the GPR survey. Mapping indicates two (2) 20,000 gallon water tanks in this area.

Based on a review of the New York State Department of Environmental Conservation (NYSDEC) Petroleum Bulk Storage registration for the site, it appears that the USTs located at Buildings 5, 7, 6H, 13, 18 and 28 are registered, although these tanks are noted as being converted to non-regulated use in 1996. Heating oil tanks are currently required to be registered. If USTs are present in the suspect tank locations, these tanks will also be required to be registered. Above ground tanks located within the site which are not currently registered are also required to be registered.

Soil borings were completed at each of the known and suspect UST locations. On the basis of the photo-ionization detector (PID) readings and observation of sheens within a soil sample collected at or below the water table within the boring completed at Building 18H in the vicinity of the 550 gallon fuel oil UST, the NYSDEC was notified of the potential release and a spill number was assigned to the site. NYSDEC has requested a copy of data and information for Building 18H to evaluate the spill and determine if additional actions are required.

Analytical results for all of the soil samples collected at the UST boring locations did not reveal contaminant levels above their respective NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Values, including the two soil samples collected at Building 18H (BLD18-550FO and BDL18-550FO2).

The majority of the borings did not intercept groundwater at the planned boring depth of 24 feet below grade; therefore monitoring wells were only installed at Buildings 5A, 18H and 25H. The analytical results from these monitoring wells did not reveal concentrations of volatile or semi volatile organic compounds above NYSDEC groundwater standards with the exception of the groundwater sample from Building 18H. Total Xylenes and Naphthalene were detected slightly above their respective NYSDEC groundwater standard or guidance values.

Soil borings were also completed at 11 drainage features. Analytical results for the soil samples collected at each of the drainage features identified volatile and semi volatile organic compounds and pesticides above the method detection limit, however at concentrations below their respective NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 Recommended Soil Cleanup Objective Values. Three (3) Target Analyte List (TAL) metals (Beryllium, Iron and Zinc) were detected at concentrations above their respective NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Values. Since each metal was detected at similar concentrations which are less than the background concentration for Eastern U.S. soils, these metals are not considered introduced contaminants, but rather natural occurrences. PCBs were not detected in the soil samples collected from the drainage locations.

Transformers at the subject site are likely to contain PCBs according to the site contact. Soil samples collected beneath pole mounted transformers or adjacent to

pad mounted transformers revealed concentrations of PCBs at several locations. These levels were not above their respective NYSDEC TAGM 4046 Recommended Soil Cleanup Objective Values (1,000 ppb).

A material inventory conducted at the site revealed a number of drums and containers which exist within the site. The majority of the materials inventoried, if abandoned or discarded, would be classified as hazardous wastes.

Suspect asbestos containing materials were identified within several of the site buildings including pipe insulation, boiler insulation, wall material (sheet rock/plaster), floor tile, mastic, linoleum, ceiling tile and transite. Due to the age of the site buildings (constructed prior to 1987), asbestos could be present in other building materials. An asbestos survey was not conducted as a function of this assessment. An asbestos is survey is recommended prior to the demolition or renovation of the site buildings. If these or other building materials contain asbestos, they must be managed in accordance with federal Occupational Safety and Health Administration (OSHA) and Department of Labor (DOL) regulations.

The subject site is a portion of an inactive hazardous waste facility which is listed as a National Priorities List (NPL) facility by the U.S. Environmental Protection Agency (USEPA) and a Class 2 facility by the NYSDEC. The selected remedy for residual groundwater contamination caused by the rocket test site activities is natural attenuation and degradation. On-site production wells are required to be treated on an as needed basis, for as long as the water supply is needed.

The information presented in this report is limited to the investigation conducted as described in the referenced American Society for Testing Materials (ASTM) guidelines for conducting environmental site assessments, and is not necessarily all inclusive of conditions present at the subject site. Due to inherent limits of time and cost, uncertainty about site conditions remains. If new, relevant information becomes available for the subject site, the conclusions of this report should be evaluated and modified, as appropriate.

If you have any questions regarding this report, please contact this office at (518) 786-7400.

Respectfully submitted,

C.T. MALE ASSOCIATES, P.C.



Kirk Moline
Managing Scientist

Reviewed and approved by:

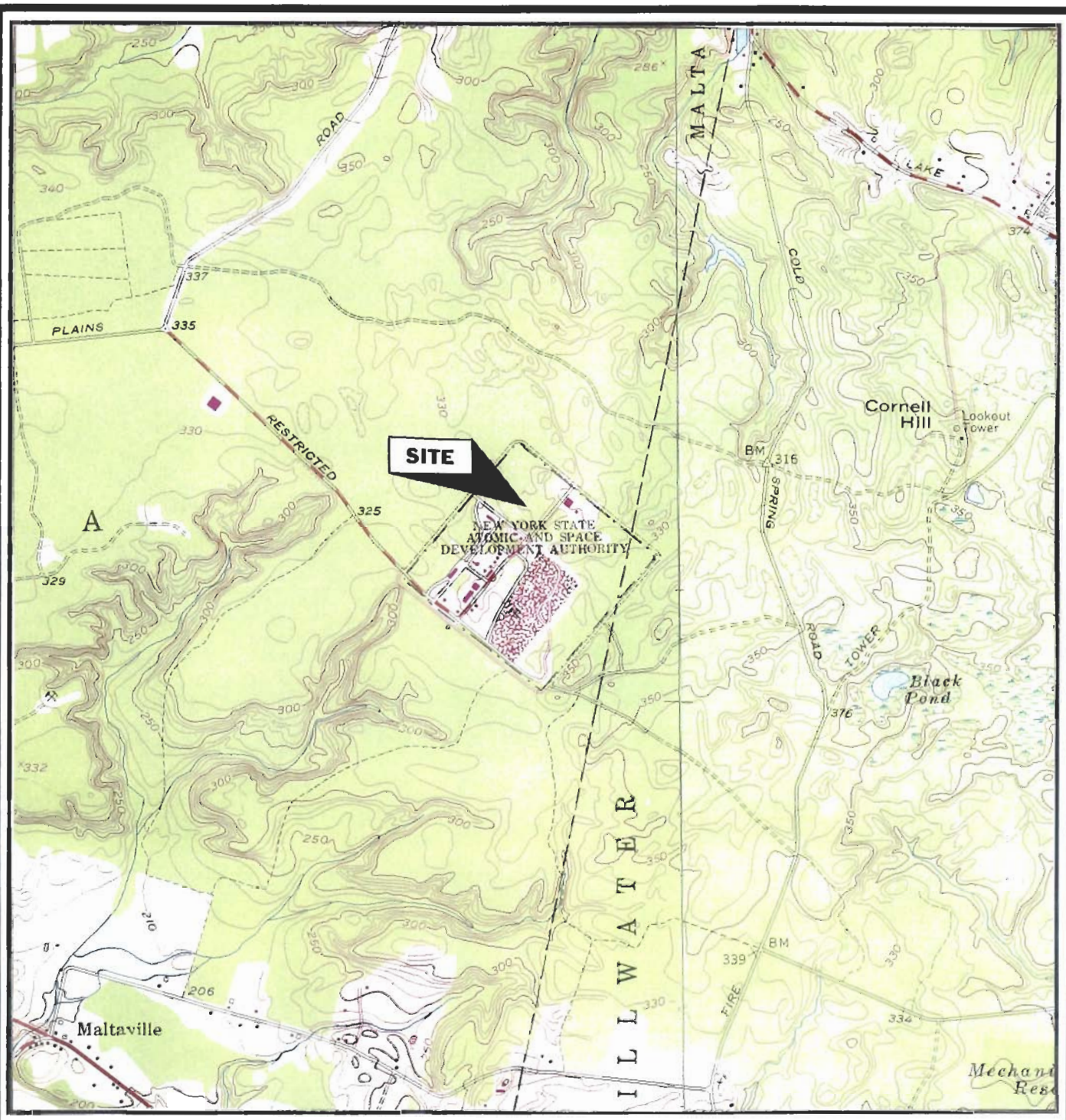


John S. Munsey
Project Manager

Asg/jsm
CTMA Project No. 02.8049
June 22, 2004

# APPENDIX A

## Figures/Maps




**MAP REFERENCE**
United States Geological Survey
7.5 Minute Series Topographic Map
Quadrangles: Round Lake and Mechanicville, NY
Date: 1980

ENGINEERING
ENVIRONMENTAL SERVICES
SURVEYING
PHONE (518)786-7400
FAX (518) 786-7299

C.T.MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, PO BOX 727, LATHAM, NY 12110

# FIGURE 1 - SITE LOCATION MAP

## WRIGHT MALTA

| MALTA AND STILLWATER | SARATOGA COUNTY, NY |
|---|---|
| SCALE: 1"=2,000' | |
| DRAFTER: ASG | |
| PROJECT No. 04.9107 | |

GERAGHTY & MILLER, INC.
Ground-Water Consultants

## LEGEND

- (1) TEST STRUCTURE (1A) FUEL TEST
- (1B) TEST STRUCTURE
- (2) TEST STRUCTURE
- (3) TEST STRUCTURE
- (3A) CONTROL STATION
- (4) TEST STRUCTURE (4B) SPEC. TEST
- (4A) CONTROL STATION (4C) SPEC. TEST
- (5) FUEL FEED TEST (5T) PUMP TEST
- (5A) CONTROL STATION (5TB) PUMP TEST
- (5P) SHOP
- (6) TURBINE TEST
- (6A) CONTROL STATION
- (7) GAS PLANT (7H) HEATER BLDG.
- (7B) BOTTLE STORAGE
- (8) FUEL MAGAZINE
- (9) PUMP ASSEMBLY
- (10) POWER HOUSE
- (11) (11A) (11B) (11C) (11D) WAREHOUSES
- (12) (12) RECORD STORTAGE
- (13) MACHINE SHOP (13T) OFFICE
- (14) OFFICE BLDG (13C) CANTEEN
- (15) RESERVOIR & HYD. LAB.
- (15A) (15B) (15C) WELLS
- (15P) PNEUMATIC LAB.
- (16) SENTRY HOUSE
- (16A) GUARD HOUSE
- (17) CARETAKERS HOUSE
- (18) CHEMICAL STORAGE
- (18A) RECORDER BLDG. (18H) HEATER BLDG.
- (20) CHEMICAL PLANT (20H) HEATER BLDG.
- (20T) TRANSFORMER (20M) MAGAZINE
- (20S) STAND BY GENERATOR (20) SHED
- (21) RAM JET LAB.
- (22) FIRE TOWER
- (23) MAINTENANCE BLDG (23P) PAINT SHED
- (24) CHEMICAL TEST PIT
- (25) PROTOTYPE TEST PIT (25P) SHOP
- (25A) CONTROL STATION (25B) GAS STORAGE
- (25) GAS STORAGE
- (26) VEHICLE STORAGE SHED
- (27) (27A) (27B) (27C) (27D) FUEL STORAGE MAGAZINES
- (28) FUEL ADDITIVES BLDG
- (29) IGNITER STORAGE (29) POWDER STORAGE
- (29B) IGNITER STORAGE (29) SQUIB STORAGE
- (30) BOILER HOUSE #1

### EXPLANATION

- EXISTING MONITORING WELL
- SUPPLY WELL
- SEPTIC SYSTEM
- APPROXIMATE AREA OF STORAGE AND DISPOSAL AREAS AND AREA A

0 100 FEET

### LEGEND

| | |
|---|---|
| BLD13-1KFO | APPROXIMATE LOCATION AND IDENTIFICATION OF GEOPROBE SOIL BORING ADVANCED AND CONVERTED TO A MONITORING WELL IN 2004 BY C.T.MALE ASSOCIATES, P.C. |
| BLD14-3KGAS | APPROXIMATE LOCATION AND IDENTIFICATION OF GEOPROBE SOIL BORING ADVANCED IN 2004 BY C.T.MALE ASSOCIATES, P.C. |

# SOURCE CONTROL INVESTIGATION AREA

MALTA ROCKET FUEL AREA SUPERFUND SITE
TOWNS OF MALTA/STILLWATER, NEW YORK

NOTE:
1) THE LOCATIONS AND FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY.

MAP REFERENCE:
1) BASE MAP PREPARED BY GERAGHTY & MILLER, INC., FIGURE 2, SOURCE CONTROL INVESTIGATION AREA.

| DATE | REVISIONS RECORD/DESCRIPTION | DRAFTER | CHECK | APPR. |
|---|---|---|---|---|
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DRAFTED : JAM
CHECKED : KM
PROJ. NO: 02.8048
SCALE : 1"=100'±
DATE : JUNE

**FIGURE 3**
**SAMPLE LOCATIONS MAP**
**PHASE I & II ENVIRONMENTAL SITE ASSESSMENT**
**WRIGHT-MALTA SITE**
TOWNS OF MALTA/STILLWATER — SARATOGA COUNTY, NY

C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
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SHEET 2 OF 2
DWG. NO: 04-0351

# FIGURE 2

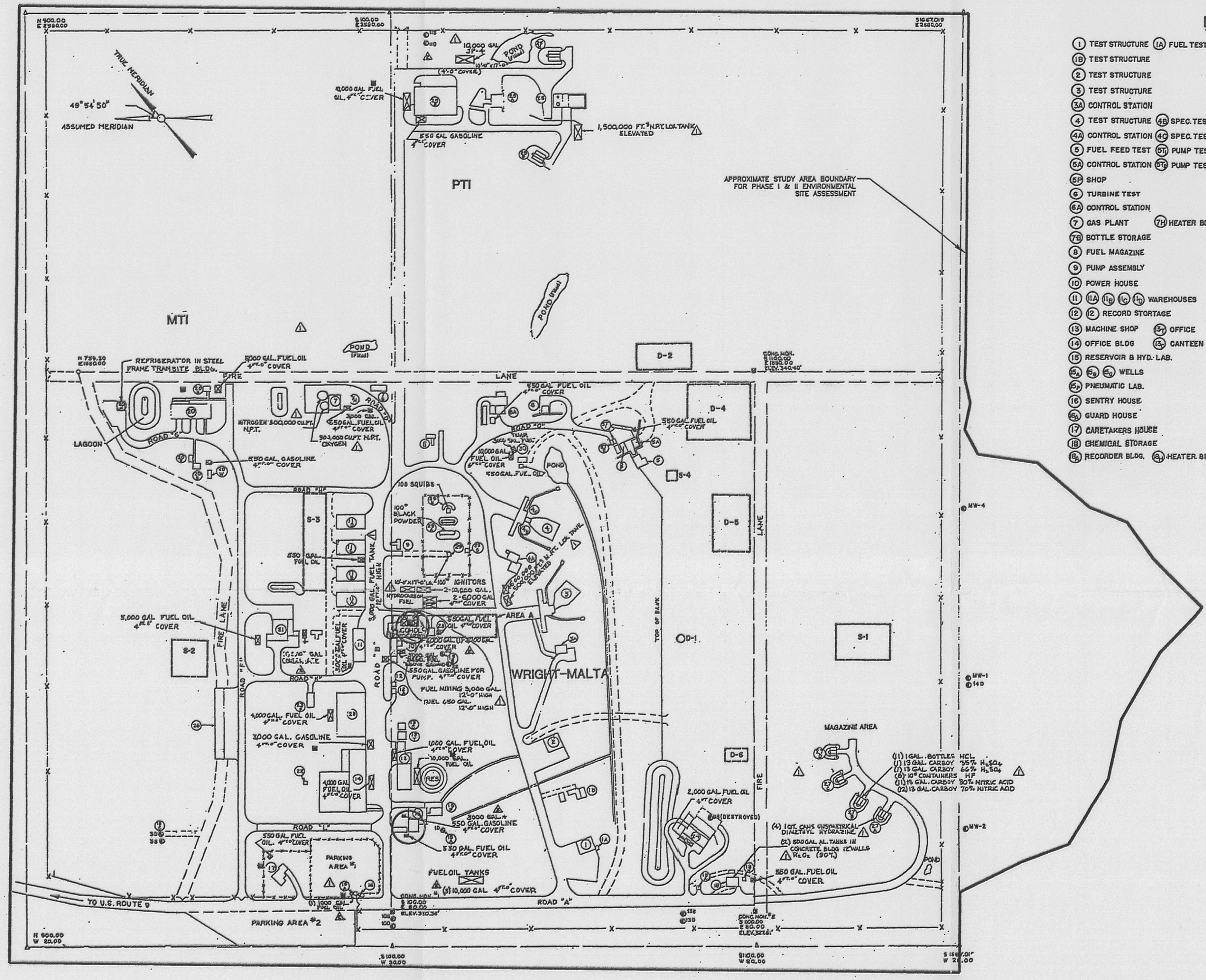
## Site Plan Map

NO XREFS

PROJECT NUMBER: 02.8049

GERAGHTY & MILLER, INC. Ground-Water Consultants

CAD DWG. FILE NAME:




## LEGEND

- (1) TEST STRUCTURE (1A) FUEL TEST
- (1B) TEST STRUCTURE
- (2) TEST STRUCTURE
- (3) TEST STRUCTURE
- (3A) CONTROL STATION
- (4) TEST STRUCTURE (4B) SPEC. TEST
- (4A) CONTROL STATION (4C) SPEC. TEST
- (5) FUEL FEED TEST (5T) PUMP TEST
- (5A) CONTROL STATION (5TP) PUMP TEST
- (5P) SHOP
- (6) TURBINE TEST
- (6A) CONTROL STATION
- (7) GAS PLANT (7H) HEATER BLDG.
- (7B) BOTTLE STORAGE
- (8) FUEL MAGAZINE
- (9) PUMP ASSEMBLY
- (10) POWER HOUSE
- (11) (11A) (11B) (11C) (11D) WAREHOUSES
- (12) (12) RECORD STORTAGE
- (13) MACHINE SHOP (13O) OFFICE
- (14) OFFICE BLDG (13C) CANTEEN
- (15) RESERVOIR & HYD. LAB.
- (15A) (15B) (15C) WELLS
- (15P) PNEUMATIC LAB.
- (16) SENTRY HOUSE
- (16A) GUARD HOUSE
- (17) CARETAKERS HOUSE
- (18) CHEMICAL STORAGE
- (18A) RECORDER BLDG. (18H) HEATER BLDG.
- (20) CHEMICAL PLANT (20H) HEATER BLDG.
- (20B) TRANSFORMER (20M) MAGAZINE
- (20G) STAND BY GENERATOR (20S) SHED
- (21) RAM JET LAB.
- (22) FIRE TOWER
- (23) MAINTENANCE BLDG (23P) PAINT SHED
- (24) CHEMICAL TEST PIT
- (25) PROTOTYPE TEST PIT (25S) SHOP
- (26) CONTROL STATION (26) GAS STORAGE
- (26) GAS STORAGE
- (26) VEHICLE STORAGE SHED
- (27) (27) (27C) (27A) FUEL STORAGE MAGAZINES
- (28) FUEL ADDITIVES BLDG
- (29) IGNITER STORAGE (29) POWDER STORAGE
- (29) IGNITER STORAGE (29) SQUIB STORAGE
- (30) BOILER HOUSE #1

EXPLANATION

- ⊙ EXISTING MONITORING WELL
- ⊕ SUPPLY WELL
- ■ SEPTIC SYSTEM
- APPROXIMATE AREA OF STORAGE AND DISPOSAL AREAS AND AREA A

0 100 FEET

NOTE:
1) THE LOCATIONS AND FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY.

MAP REFERENCE:
1) BASE MAP PREPARED BY GERAGHTY & MILLER, INC., FIGURE 2, SOURCE CONTROL INVESTIGATION AREA.

| DATE | REVISIONS RECORD/DESCRIPTION | DRAFTER | CHECK | APPR. |
|---|---|---|---|---|
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DESIGNED:
DRAFTED : JM
CHECKED : KM
PROJ. NO: 02.8049
SCALE : AS SHOWN
DATE : JUNE 16, 2004

# FIGURE 2
# SITE BOUNDARY MAP

## PHASE I & II ENVIRONMENTAL SITE ASSESSMENT
## WRIGHT-MALTA SITE

TOWNS OF MALTA/STILLWATER — SARATOGA COUNTY, NY

**C.T. MALE ASSOCIATES, P.C.**
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SHEET 1 OF 2
DWG. NO: 04-0351

# FIGURE 3

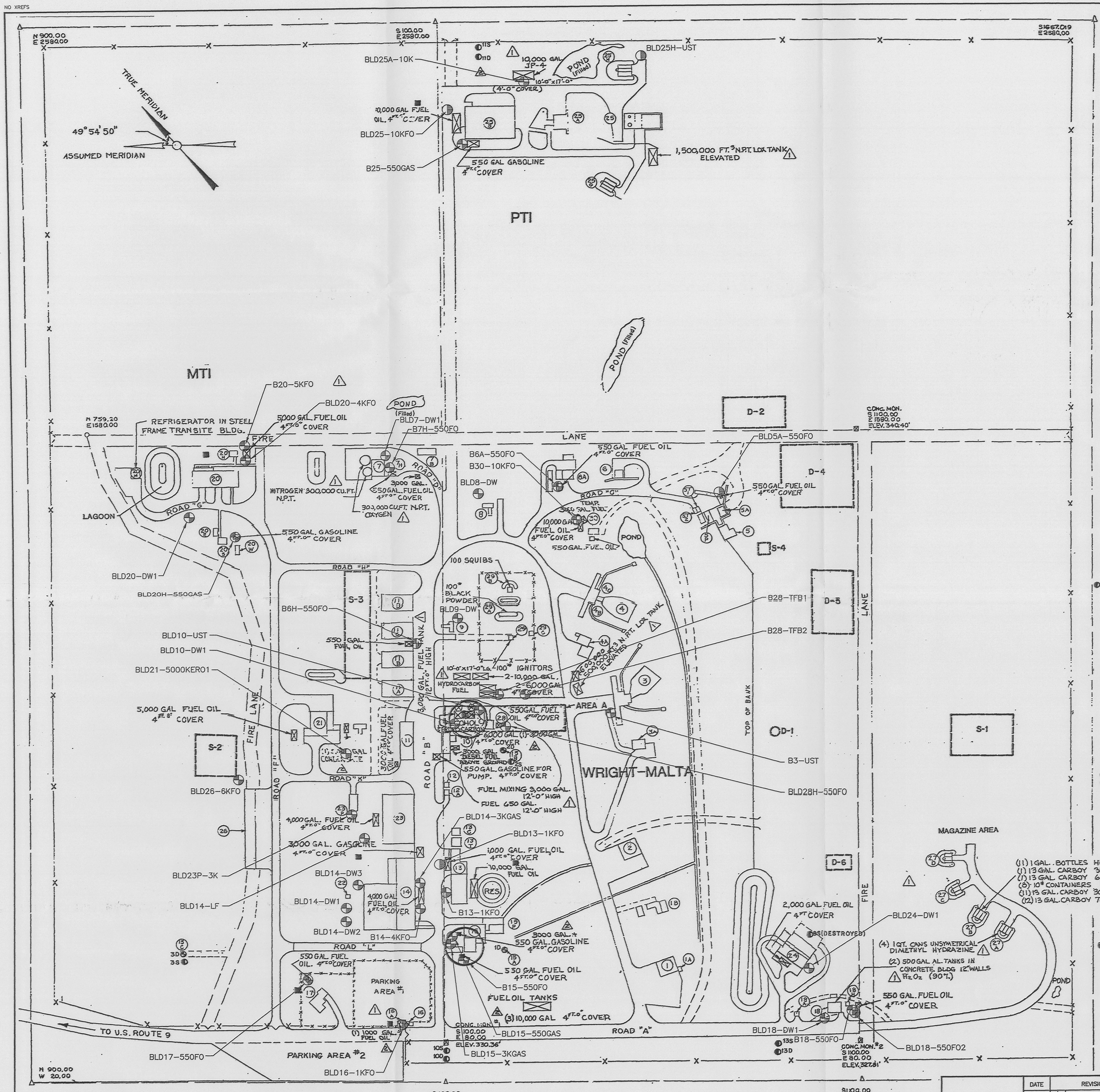
## Sample Locations Map

NO XREFS

PROJECT NUMBER: 02.8049

GERAGHTY & MILLER, INC.
Ground-Water Consultants

CAD DWG. FILE NAME:




## LEGEND

- (1) TEST STRUCTURE (1A) FUEL TEST
- (1B) TEST STRUCTURE
- (2) TEST STRUCTURE
- (3) TEST STRUCTURE
- (3A) CONTROL STATION
- (4) TEST STRUCTURE (4B) SPEC. TEST
- (4A) CONTROL STATION (4C) SPEC. TEST
- (5) FUEL FEED TEST (5T$_1$) PUMP TEST
- (5A) CONTROL STATION (5T$_2$) PUMP TEST
- (5F) SHOP
- (6) TURBINE TEST
- (6A) CONTROL STATION
- (7) GAS PLANT (7H) HEATER BLDG.
- (7B) BOTTLE STORAGE
- (8) FUEL MAGAZINE
- (9) PUMP ASSEMBLY
- (10) POWER HOUSE
- (11) (11A) (11B) (11C) (11D) WAREHOUSES
- (12) (12) RECORD STORTAGE
- (13) MACHINE SHOP (13T) OFFICE
- (14) OFFICE BLDG (13$_4$) CANTEEN
- (15) RESERVOIR & HYD. LAB.
- (15$_A$) (15$_B$) (15$_C$) WELLS
- (15$_P$) PNEUMATIC LAB.
- (16) SENTRY HOUSE
- (16A) GUARD HOUSE
- (17) CARETAKERS HOUSE
- (18) CHEMICAL STORAGE
- (18A) RECORDER BLDG. (18$_B$) HEATER BLDG.
- (20) CHEMICAL PLANT (20$_H$) HEATER BLDG.
- (20$_F$) TRANSFORMER (20$_M$) MAGAZINE
- (20$_S$) STAND BY GENERATOR (20$_W$) SHED
- (21) RAM JET LAB.
- (22) FIRE TOWER
- (23) MAINTENANCE BLDG (23$_P$) PAINT SHED
- (24) CHEMICAL TEST PIT
- (25) PROTOTYPE TEST PIT (25$_S$) SHOP
- (25$_A$) CONTROL STATION (25$_B$) GAS STORAGE
- (25$_C$) GAS STORAGE
- (26) VEHICLE STORAGE SHED
- (27$_A$) (27$_B$) (27$_C$) (27$_D$) FUEL STORAGE MAGAZINES
- (28) FUEL ADDITIVES BLDG
- (29) IGNITER STORAGE (29$_P$) POWDER STORAGE
- (29$_B$) IGNITER STORAGE (29$_S$) SQUIB STORAGE
- (30) BOILER HOUSE #1

### EXPLANATION

- EXISTING MONITORING WELL
- SUPPLY WELL
- SEPTIC SYSTEM
- APPROXIMATE AREA OF STORAGE AND DISPOSAL AREAS AND AREA A

0 100 FEET

### LEGEND

- BLD13–1KFO (13$_C$) — APPROXIMATE LOCATION AND IDENTIFICATION OF GEOPROBE SOIL BORING ADVANCED AND CONVERTED TO A MONITORING WELL IN 2004 BY C.T.MALE ASSOCIATES, P.C.
- BLD14–3KGAS — APPROXIMATE LOCATION AND IDENTIFICATION OF GEOPROBE SOIL BORING ADVANCED IN 2004 BY C.T.MALE ASSOCIATES, P.C.

# SOURCE CONTROL INVESTIGATION AREA

MALTA ROCKET FUEL AREA SUPERFUND SITE
TOWNS OF MALTA/STILLWATER, NEW YORK

NOTE:
1) THE LOCATIONS AND FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY.

MAP REFERENCE:
1) BASE MAP PREPARED BY GERAGHTY & MILLER, INC., FIGURE 2, SOURCE CONTROL INVESTIGATION AREA.

| DATE | REVISIONS RECORD/DESCRIPTION | DRAFTER | CHECK | APPR. |
|---|---|---|---|---|
| | 1 | | | |
| | 2 | | | |
| | 3 | | | |
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| | 5 | | | |
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| | 8 | | | |
| | 9 | | | |

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© 2004 C.T. MALE ASSOCIATES P.C.

DESIGNED:
DRAFTED : JAM
CHECKED : KM
PROJ. NO: 02.8049
SCALE : 1"=100'±
DATE : JUNE

**FIGURE 3**
**SAMPLE LOCATIONS MAP**

**PHASE I & II ENVIRONMENTAL SITE ASSESSMENT**
**WRIGHT-MALTA SITE**

TOWNS OF MALTA/STILLWATER — SARATOGA COUNTY, NY

C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
518.786.7400 • FAX 518.786.7299
ARCHITECTURE & BUILDING SYSTEMS ENGINEERING • CIVIL ENGINEERING
ENVIRONMENTAL SERVICES • SURVEY & LAND INFORMATION SERVICES



DWG. NO: 04–0351

CAD DWG. FILE NAME:

# APPENDIX B

## Site Visit Photographs

# PHASE I/II
# ENVIRONMENTAL SITE ASSESSMENT REPORT
# WRIGHT-MALTA SITE

## PHOTO LOG

| NUMBER | DESCRIPTION |
|---|---|
| 1. | Buildings 1 and 1A. |
| 2. | Building 1B. |
| 3. | Building 2. |
| 4. | Building 3. |
| 5. | Building 3A. |
| 6. | Buildings 3Q and 3S. |
| 7. | The pipes noted between Buildings 3Q and 3S. |
| 8. | The pipe noted adjacent to the southern bottle bank of Building 3. |
| 9. | Building 4. |
| 10. | Building 4A. |
| 11. | Buildings 5 and 5A. |
| 12. | Building 5P. |
| 13. | Building 6. |
| 14. | Building 6A. |
| 15. | Buildings 7 and 7H. |
| 16. | The area of the underground storage tank at Building 7H. |
| 17. | Building 8. |
| 18. | Building 9. |
| 19. | Building 10. |
| 20. | Building 11. |
| 21. | Building 11S. |
| 22. | Buildings 11A, 11B, 11C and 11D. |
| 23. | The above ground diesel and gasoline storage tanks located north of Building 11. |

**PHASE I/II**
**ENVIRONMENTAL SITE ASSESSMENT REPORT**
**WRIGHT-MALTA SITE**

**PHOTO LOG**
**(Continued)**

| NUMBER | DESCRIPTION |
|---|---|
| 24. | Building 6H showing the fill and vent pipes for the underground storage tank located in this area. |
| 25. | Building 12. |
| 26. | Building 13. |
| 27. | The vent pipe and fill cover for the 1,000 gallon underground storage tank located to the west of Building 13. |
| 28. | Building 14. |
| 29. | Building 15. |
| 30. | Building 17. |
| 31. | Building 18. |
| 32. | The fill and vent pipes for the 550 gallon underground storage tank located to the south of Building 18H. |
| 33. | Building 20. |
| 34. | Building 20H. |
| 35. | The 300± gallon above ground storage tank located to the north of Building 20H. |
| 36. | The 5,000 gallon above ground storage tank located to the west of Building 20. |
| 37. | The pad mounted transformer located to the west of Building 20H. |
| 38. | The pad mounted transformer located to the north of Building 20. |
| 39. | Building 21. |
| 40. | The bottle bank located east of Building 21. |
| 41. | Building 23. |
| 42. | Building 23P and Building 12P. |
| 43. | The transformers located to the north of Building 23. |
| 44. | The northern portion of the Building 24 complex. |

PHASE I/II
ENVIRONMENTAL SITE ASSESSMENT REPORT
WRIGHT-MALTA SITE

## PHOTO LOG
(Continued)

| NUMBER | DESCRIPTION |
|---|---|
| 45. | The southern portion of the Building 24 complex. |
| 46. | The pad mounted transformer located to the northwest of Building 24. |
| 47. | The transformers located to the south of Building 24. |
| 48. | Building 25. |
| 49. | Building 25S. |
| 50. | Building 25A. |
| 51. | The transformers located south of Building 25A. |
| 52. | Building 25G. |
| 53. | The vent pipes and liquid distribution system located west of Building 25H. |
| 54. | Buildings 27A, 27B and 27C. |
| 55. | Buildings 28 and 28H. |
| 56. | The fill and vent pipes for the 550 gallon underground storage tank located south of Building 28H. |
| 57. | Building 29. |
| 58. | Building 30. |
| 59. | The firing range storage shed. |
| 60. | The four sets of vent pipes located west of Building 30. |
| 61. | Muggets Pond. |
| 62. | Transformers identified within Building 6. |
| 63. | The above ground storage tank located within Building 11. |
| 64. | Drums stored within Building 11A. |
| 65. | Drums stored within Building 11C. |
| 66. | Drums stored within Building 11D. |
| 67. | Containers stored within Building 12P. |

**PHASE I/II**
**ENVIRONMENTAL SITE ASSESSMENT REPORT**
**WRIGHT-MALTA SITE**

**PHOTO LOG**
**(Continued)**

| NUMBER | DESCRIPTION |
|---|---|
| 68. | Drums stored within Building 13. |
| 69. | The above ground storage tank located within Building 13. |
| 70. | Chemicals noted within the laboratory in Building 14. |
| 71. | The above ground storage tank located within Building 14. |
| 72. | The photo lab located within Building 14. |
| 73. | Drums located within Building 15. |
| 74. | The above ground storage tank located within Building 15. |
| 75. | Various containers and drum of waste oil located within Building 23. |
| 76. | Drums located within Building 23. |


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6H
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'04 5
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40


41


42


DANGER
HIGH VOLTAGE
43


44


45



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65


66


SUPER SPEC
67


68

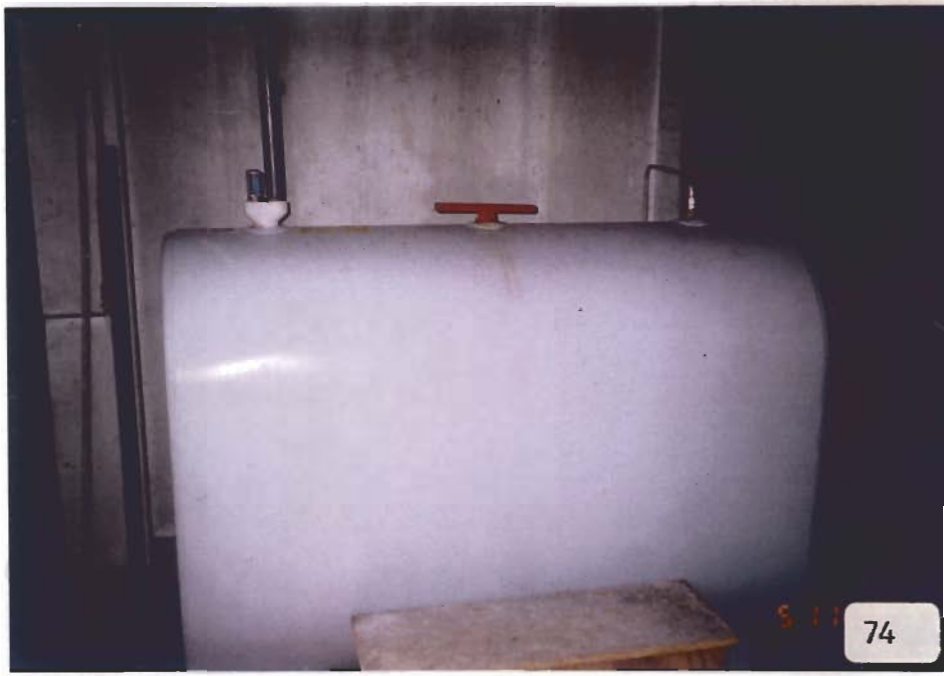

69


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# APPENDIX C

## References

- Documents Reviewed
- List of People and Agencies Contacted

**PHASE I/II**
**ENVIRONMENTAL SITE ASSESSMENT REPORT**
**WRIGHT-MALTA SITE**

## DOCUMENTS REVIEWED

1. Aerial Photographs of the Mechanicville and Round Lake Quadrangles for the years: years 1952, 1968, 1970, 1973, 1978, 1982, 1986, 1990 and 1999. Courtesy of the New York State Department of Transportation.

2. EPA's Comprehensive Environmental Response Compensation and Liability Information System, February 9, 2004.

3. EPA's Emergency Response Notification System, December 31, 2003.

4. EPA's National Priority List, April 8, 2004.

5. EPA's Resource Conservation and Recovery Information System, February 9, 2004.

6. EPA's Resource Conservation and Recovery Information System, Listing of Transportation, Storage and Disposal Facilities, February 9, 2004.

7. Final Remedial Investigation Report, Malta Rocket Fuel Area Site, Prepared by ERM-Northeast, Inc., dated February 14, 1995.

8. Final Revised Risk Assessment for the Malta Rocket Fuel Area Site, prepared by ENVIRON Corporation, dated June 1995.

9. Fire Insurance Maps from the Sanborn Map Company Archives. Late 19th Century to 1990: New York University Publications of America. Bethesda, Maryland (New York State Library).

10. Literature Search for the Malta Rocket Fuel Area Superfund Site, Prepared by Geraghty and Miller, Inc., dated May 1992.

11. Malta Rocket Fuel Area Report, Luther Forest Technology Campus, Prepared by C.T. Male Associates, P.C., dated October 2002.

12. New York Solid Waste Facilities Listing Report, March 3, 2002.

13. New York State Department of Environmental Conservation Region 5 list of active and closed spill files, February 9, 2004.

14. New York State Department of Environmental Conservation, Division of Hazardous Waste Remediation "Inactive Hazardous Waste Disposal Sites in New York State, " Region 5, January 1, 2004.

**PHASE I/II**
**ENVIRONMENTAL SITE ASSESSMENT REPORT**
**WRIGHT-MALTA SITE**

## DOCUMENTS REVIEWED
**(Continued)**


15. New York State Department of Environmental Conservation, Region 5 Petroleum Bulk Storage Registration List, January 1, 2002.

16. Operation and Maintenance Manual, Remedial Work Element IV - Institutional Controls, Malta Rocket Fuel Area Site, prepared by IT Corporation, dated September 9, 1999.

17. Record of Decision, Malta Rocket Fuel Area Site, prepared by the United States Environmental Protection Agency, Region II, dated July 12, 1996.

18. Report on Removal of Underground Storage Tanks on the State-Owned Portion of the Malta Rocket Fuel Area Site, Prepared by New York State Energy Research and Development Authority.

19. Site Boundary Map for the Wright-Malta Site, Prepared by C.T. Male Associates, P.C., dated June 16, 2004. Dwg. No. 04-0351.

20. Soil Conservation Service Mapping for Saratoga County, New York, 1995.

21. Surficial Geologic Map of New York, Hudson Mohawk Sheet, 1987.

22. Tank Closure Report for Wright Malta Corp., Prepared by MC Environmental Services, Inc., dated February 5, 1999.

23. Tank Inspection Report for the Wright-Malta Corporation Property, prepared by Geraghty and Miller, Inc., dated May 1991.

24. Technical Memorandum, Dry Well/Septic Tank Inventory and Test Pit/Dry Well Soil Sampling Results, Malta Rocket Fuel Area Site, prepared by ERM-Northeast, Inc., dated January 13, 1994.

25. Title Information Reference - Deed for the subject site.

26. United States Geological Survey Topographic Map of the Mechanicville and Round Lake, NY Quadrangles, 1980, 7.5 Minute Series.

27. UST Removal and Closure Report for Wright Malta Corp., Prepared by MC Environmental Services, Inc., dated November 6, 1998.

**PHASE I/II**
**ENVIRONMENTAL SITE ASSESSMENT REPORT**
**WRIGHT-MALTA SITE**

## LIST OF PEOPLE AND AGENCIES CONTACTED

1. Wright-Malta Corporation, Mr. Ray Kazyaka, Jr.
2. NYSERDA, Mr. Bob Calendar and Mr. Hal Brodie.
3. Town of Malta Clerk, Ms. Flo Sickels.
4. Towns of Malta Historian.
5. Towns of Malta Assessor's Office.
6. Towns of Malta Building Department.
7. Town of Stillwater Clerk, Ms. Sue Cunningham.
8. Town of Stillwater Assessor's Office.
9. Town of Stillwater Building Department.
10. Town of Stillwater Fire Department.
11. Town of Stillwater Historian.

# Records of Communication

C.T. MALE ASSOCIATES, P.C.

50 Century Hill Drive, P.O. Box 727, Latham, New York 12110-0727
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com

May 6, 2004

Ms. Flo Sickels
Town Clerk/Records Access Officer
Town of Malta
2540 Route 9
Malta, New York 12020

*Re: FOIL Request*
*Phase I Environmental Site Assessment*
*Wright-Malta Site*
*CTMA Project No.: 02.8049*

Dear Ms. Sickels:

Our office is completing a Phase I Environmental Site Assessment for the above listed site which is located at 10 and 40 Malta Test Road in the Town of Malta. The site is referenced with tax map Nos. 230, block 1 and lots 14.12 and 14.2. Enclosed please find a site location map.

Pursuant to the Freedom of Information Law (FOIL) the following information is requested:

Assessment Records:
- Copies of the property tax assessment cards (current and former)
- Indicate current and former owners, date of purchase, book and page
- Copies of deeds if available

Building Department Records:
- Building permits for the site for major structures
- Demolition permits for the site
- Violations for the site
- Underground storage tank installation or removal permits for the site
- Asbestos abatements for the site
- Zoning classification for the site

Historian Records:
- Previous use of the site, including previous owners if available
- General previous use of the site area

Engineering Records:
- If municipal services (water, sanitary sewer, storm sewer) are provided to this site please verify and identify dates of connection (if available)

Clerk's Records:

- Records of environmental related liens, violations or notices for the site
- Solid wastes or construction/demolition landfills within ½ mile of the site

Four copies of this letter are provided for your use to distribute to the various referenced departments.

Our office will gladly compensate your office for any copying or postal/fax expenses. Please call this office before any copies are made with the total fee if the total fee exceeds $20.00. Our fax and mailing address are indicated above. If you have any questions or comments regarding this request, please feel free to contact our office at (518) 786-7551. Your assistance is greatly appreciated.

Sincerely,
C.T. MALE ASSOCIATES, P.C.

Aimee Gates
Environmental Scientist

/asg

EA3105 (R 10/86)

NEW YORK STATE
DIVISION OF EQUALIZATION AND ASSESSMENT
BUREAU OF LOCAL ASSESSMENT SERVICES

COMMERCIAL PROPERTY RECORD CARD

AUDIT CONTROL CO

SWIS/SBL/CD: 414089 230.-1-14.12 CARD NO. -1- OF -1-

ROUTE NUMBER (ROUTE)

PARCEL IDENTIFICATION SECTION

| SWIS | TAX MAP NUMBER | CD | RSEC |
|---|---|---|---|
| 414089 | 230.-1-14.12 | | 1 |

OWNER: WRIGHT-MALTA CORPORATION
PROP CLASS: 340
HC

LOCATION NO. / STREET LOCATION: 40 Malta ~~Plains Road - Rear~~
SCHOOL DIST: 414201

| SALE PRICE | SALE DATE | VALID | LOT SIZE |
|---|---|---|---|
| $393,800 | 96/01 | 2 P/O parcel in transfer | 14.27 |

| PARCEL IDENTIFICATION CORRECTION AREA | SWIS | TAX MAP | OWNER | PROP CLASS | LOC NO | LOC | SCH DIS | LOT SIZE |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

AUDIT CONTROL SECTION — SITES (NUMSIT)

QUALITY CONTROL REVIEWER (QCBY) — DATE

CERTIFIED LETTER (CTFLET) — DATE

ACTIVITY
N = NONE
M = MEASURED ONLY
L = LISTED

ENTRY (ENTRY)
1 = INTERIOR INSPECTION
2 = INTERIOR REFUSAL
3 = TOTAL REFUSAL
4 = ESTIMATE
5 = NO ENTRY

SOURCE (INFSCE)
1 = OWNER 3 = TENANT
2 = RELATIVE 4 = OTHER

SALES INFORMATION CODES

SALES TYPE (SALTYP)
1 = LAND ONLY
2 = BLDG. ONLY
3 = LAND & BLDG.

SOURCE (VERIFY)
1 = NONE 4 = STAMPS
2 = BUYER 5 = AGENT
3 = SELLER

VALID (VALID)
1 = VALID SALE
2 = INVALID SALE

| VISIT NO (VISITS) | COLLECTOR (LISTOR) | DATE (MMDDYY) (LISTDT) | TIME | ACTIVITY | ENTRY (ENTRY) | SOURCE (INFSCE) |
|---|---|---|---|---|---|---|
| 1 | | | : | | | |
| 2 | | | : | | | |
| 3 | | | : | | | |
| | | | : | | | |

SALES INFORMATION SECTION

| DATE (SALDTE) YYMM | PRICE (SALPRC) | TYPE (SALTYP) | SOURCE (VERIFY) | VALID (VALID) | OFFICE USE ONLY CHECK | SOURC2 |
|---|---|---|---|---|---|---|
| | | | | | | |
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| | | | | | | |

| | |
|---|---|
| ROUTE NUMBER | (ROUTE) |
| SITE INFORMATION SECTION | SITE NO. |
| PROP CLASS | 340 |
| USED AS (USDAS) | 298 |
| NEIGHBORHOOD CODE | (NBHD) 400.52 |
| ZONING CODE | (ZONING) 01 NONE 04 FARM 07 MIXED; 02 SINGLE RES 05 COMMERCIAL 08 GOVT; 03 MULTI RES 06 INDUSTRIAL |
| VALUATION DISTRICT | (VALDIS) |
| SEWER | (SEWER) 1 NONE 2 PRIVATE 3 COMM/PUBLIC — 1 |
| WATER | (WATER) 1 NONE 2 PRIVATE 3 COMM/PUBLIC — 1 |
| UTILITIES | (UTIL) 1 NONE 2 GAS 3 ELECTRIC 4 GAS & ELECTRIC — 3 |
| OVERALL DESIRABILITY | (OVDESR) 1 POOR 2 FAIR 3 NORMAL 4 GOOD 5 EXCELLENT — 3 |
| OVERALL CONDITION | (OVCOND) 1 POOR 2 FAIR 3 NORMAL 4 GOOD 5 EXCELLENT — 3 |
| OVERALL EFFECTIVE YEAR BUILT | (OVRBLT) |
| OVERALL GRADE | (OVRGRD) A EXCEL B GOOD C AVERAGE D ECONOMY E MINIMUM — C |

SIGNATURE BELOW DOES NOT MEAN CONTENTS VERIFIED, ONLY THAT DATA WAS COLLECTED IN YOUR PRESENCE.

SIGNATURE _____

DATE _____

NOTES: 10/96-Split #14- prior parcel 230.-1-14.1 Pt

I&E SENT __/__/__

I&E RECEIVED __/__/__

SOIL RATING (RATING)

| | | | |
|---|---|---|---|
| P | POOR | (05) | 1 - 10 |
| N | NORMAL | (06) | 1 - 10 |
| G | GOOD | (07) | 1 - 4 |
| | | (09) | 1 - 4 |
| | | (11) | 1 - 10 |
| | | (13) | 1 - 10 |

WATERFRONT TYPE (WTRFNT)

| | | | |
|---|---|---|---|
| 1 | POND | 4 | CANAL |
| 2 | RIVER | 5 | OCEAN/BAY |
| 3 | LAKE | | |

INFLUENCE CODE (INFLCD)

| | | | |
|---|---|---|---|
| 1 | TOPOGRAPHY | 5 | VIEW |
| 2 | LOCATION | 6 | WETNESS |
| 3 | SHAPE | 7 | OTHER |
| 4 | -RESTRICTED USE | | |

LAND TYPE CODE (LNDTYP)

| | | | |
|---|---|---|---|
| 01 | PRIMARY | 09 | MUCK |
| 02 | SECONDARY | 10 | WATERFRONT |
| 03 | UNDEVELOPED | 11 | ORCHARD |
| 04 | RESIDUAL | 12 | REAR |
| 05 | TILLABLE | 13 | VINEYARD |
| 06 | PASTURE | 14 | WETLAND |
| 07 | WOODLAND | 15 | LEASED LAND |
| 08 | WASTELAND | | |

EFFECTIVE CODE (EFFCD)

1 FRNTIFT ONLY
2 DEPTH ONLY
3 FRNTIFT AND DEPTH

| LAND TYPE (LND TYP) | EFF. CODE (EFF CD) | FRONT FEET (FRNTFT) | DEPTH (DEPTH) | ACRES (ACRES) | SQUARE FEET (SQFT) | SOIL RING (RAT ING) | WATER FRONTAGE (WTRFTG) | WTR FNT | INF LCD | INFLU -ENCE PERCENT (INFLPC) |
|---|---|---|---|---|---|---|---|---|---|---|
| 07 | | | | 7.427 | | | | | | |
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| | | | | | | | | | | |
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| | | | | | | | | | | |

EA3105 (REV. 10/86) NEW YORK STATE

TOWN OF MALTA

230.-1-14.2 MV 1
420
14201
To 1.5 ACR

AUDIT CONTROL CODES

ACTIVITY
N = NONE
M = MEASURED ONLY
L = LISTED

ENTRY (ENTRY)
1 = INTERIOR INSPECTION
2 = INTERIOR REFUSAL
3 = TOTAL REFUSAL
4 = ESTIMATE
5 = NO ENTRY

SOURCE (INFSCE)
1 = OWNER 3 = TENANT
2 = RELATIVE 4 = OTHER

SALES INFORMATION CODES

SALES TYPE (SALTYP)
1 = LAND ONLY
2 = BLDG. ONLY
3 = LAND & BLDG.

SOURCE (VERIFY)
1 = NONE 4 = STAMPS
2 = BUYER 5 = AGENT
3 = SELLER

VALID (VALID)
1 = VALID SALE
2 = INVALID SALE

SWIS/SBL/CD: 230.-1-14.2 CARD NO. 1 OF 1

ROUTE NUMBER (ROUTE)

SITE INFORMATION SECTION SITE NO. 01 PROP CLASS 480 USED AS (USDAS) 311

NEIGHBORHOOD CODE (NBHD) 40.05

ZONING CODE (ZONING) 01 NONE 02 SINGLE RES 03 MULTI RES 04 FARM 05 COMMERCIAL 06 INDUSTRIAL 07 MIXED 08 GOVT

VALUATION DISTRICT (VALDIS)

SEWER (SEWER) 1 NONE 2 PRIVATE 3 COMM/PUBLIC 2

WATER (WATER) 1 NONE 2 PRIVATE 3 COMM/PUBLIC 2

UTILITIES (UTIL) 1 NONE 2 GAS 3 ELECTRIC 4 GAS & ELECTRIC 3

OVERALL DESIRABILITY (OVDESR) 1 POOR 2 FAIR 3 NORMAL 4 GOOD 5 EXCELLENT 3

OVERALL CONDITION (OVCOND) 1 POOR 2 FAIR 3 NORMAL 4 GOOD 5 EXCELLENT 3

OVERALL EFFECTIVE YEAR BUILT (OVRBLT) 1985

OVERALL GRADE (OVRGRD) A EXCEL B GOOD C AVERAGE D ECONOMY E MINIMUM C

| PARCEL IDENTIFICATION CORRECTION AREA | SWIS | TAX MAP | OWNER | PROP CLASS | LOC NO | LOC | SCH DIS | LOT SIZE |
|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

AUDIT CONTROL SECTION

SITES (NUMSIT)

QUALITY CONTROL REVIEWER (QCBY) DATE

CERTIFIED LETTER (CIFLET) DATE

| VISIT NO (VISITS) | COLLECTOR (LISTOR) | DATE (MMDDYY) (LISTDT) | TIME | ACTIVITY | ENTRY (ENTRY) | SOURCE (INFSCE) |
|---|---|---|---|---|---|---|
| 1 | | | : | | | |
| 2 | | | : | | | |
| 3 | | | : | | | |
| | | | : | | | |

SIGNATURE BELOW DOES NOT MEAN CONTENTS VERIFIED, ONLY THAT DATA WAS COLLECTED IN YOUR PRESENCE.

SIGNATURE _____

DATE _____

SOIL RATING (RATING)

| | | |
|---|---|---|
| P POOR | (05) | 1 - 10 |
| N NORMAL | (06) | 1 - 10 |
| G GOOD | (07) | 1 - 4 |
| | (09) | 1 - 4 |
| | (11) | 1 - 10 |
| | (13) | 1 - 10 |

SALES INFORMATION SECTION

| DATE (SALDTE) YYMM | PRICE (SALPRC) | TYPE (SALTYP) | SOURCE (VERIFY) | VALID (VALID) | OFFICE USE ONLY CHECK | SOURC2 |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

NOTES: Building Permit # 0843 (60 acre, 3000 sq ft. Arena ground [illegible])

I&E SENT ___/___/___

I&E RECEIVED ___/___/___

WATERFRONT TYPE (WIRFNT)

1 POND 4 CANAL
2 RIVER 5 OCEAN/BAY
3 LAKE

INFLUENCE CODE (INFLCD)

1 TOPOGRAPHY 5 VIEW
2 LOCATION 6 WEINESS
3 SHAPE 7 OTHER
4 RESTRICTED USE

LAND TYPE CODE (LNDTYP)

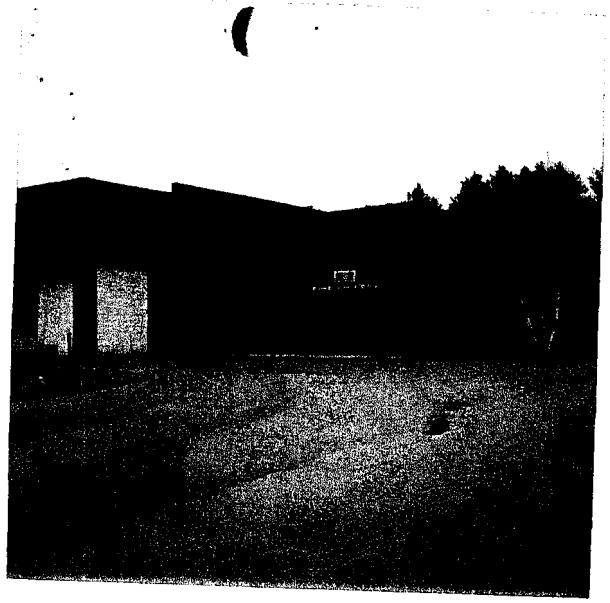
01 PRIMARY 09 MUCK
02 SECONDARY 10 WATERFRONT
03 UNDEVELOPED 11 ORCHARD
04 RESIDUAL 12 REAR
05 TILLABLE 13 VINEYARD
06 PASTURE 14 WETLAND
07 WOODLAND 15 LEASED LAND
08 WASTELAND

EFFECTIVE CODE (EFFCD)

1 FRNTFT ONLY
2 DEPTH ONLY
3 FRNTFT AND DEPTH

| LAND TYPE (LND TYP) | EFF. CODE (EFF CD) | FRONT FEET (FRNTFT) | DEPTH (DEPTH) | ACRES (ACRES) | SQUARE FEET (SQFT) | SOIL RTNG (RAT ING) | WATER FRONTAGE (WIRFTG) | WIR FNT | INF LCD | INFLU -ENCE PERCENT (INFLPC) |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 | | | | 2.00 | | | | | | |
| 10 | | | | 3.00 | | | | | | |
| 08 | | | | 7.13 | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|---|---|---|---|
| BUILDING & SECTION | 01 C | BUIL | |
| NO. IDENTICAL BLDGS. | 001 | NO. | |
| MODEL | 0813 | MODE | |
| EFFECTIVE YEAR BUILT | 1975 | EFFI | |
| CONSTRUCTION QUALITY | 3 | CON: | |
| USER ADJUSIMENT | | USE | |
| CONDITION | 4 | CON | |
| PERIMETER | | PER | |
| GROSS FLOOR AREA | 4972 | GRO | |
| NO. STORIES | | NO. | |
| STORY HEIGHT | | STC | |
| WALL A PERCENT | 100 | WAI | |
| WALL B PERCENT | | WAI | |
| WALL C PERCENT | | WAI | |
| AIR COND. PERCENT | | AI | |
| SPRINKLER PERCENT | | SP | |
| ALARM PERCENT | | AL | |
| NO. ELEVATORS | | NO. | |
| BASEMENT TYPE | | BASEMENT TYPE | |
| BASEMENT PERIMETER | | BASEMENT PERIMETER | |
| BASEMENT SQ. FT. | | BASEMENT SQ. FT. | |





MTL

ALPS STAIRS

## MISCELLANEOUS IMPROVEMENTS

| STRUCTURE ID | STRUC CODE | MC | MEASUREMENT 1 | MEASUREMENT 2 | NO IDENT UNITS | CD | YEAR BUILT | GR |
|---|---|---|---|---|---|---|---|---|
| | TK3 | 3 | 50010 | | 1 | 3 | 1991 | C |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

## APARTMENTS

| | USED AS CODE | SQUARE FEET | NO OF APTS |
|---|---|---|---|
| E&1B | | | |
| 2BED | | | |
| 3BED | | | |
| TOTL | | | |

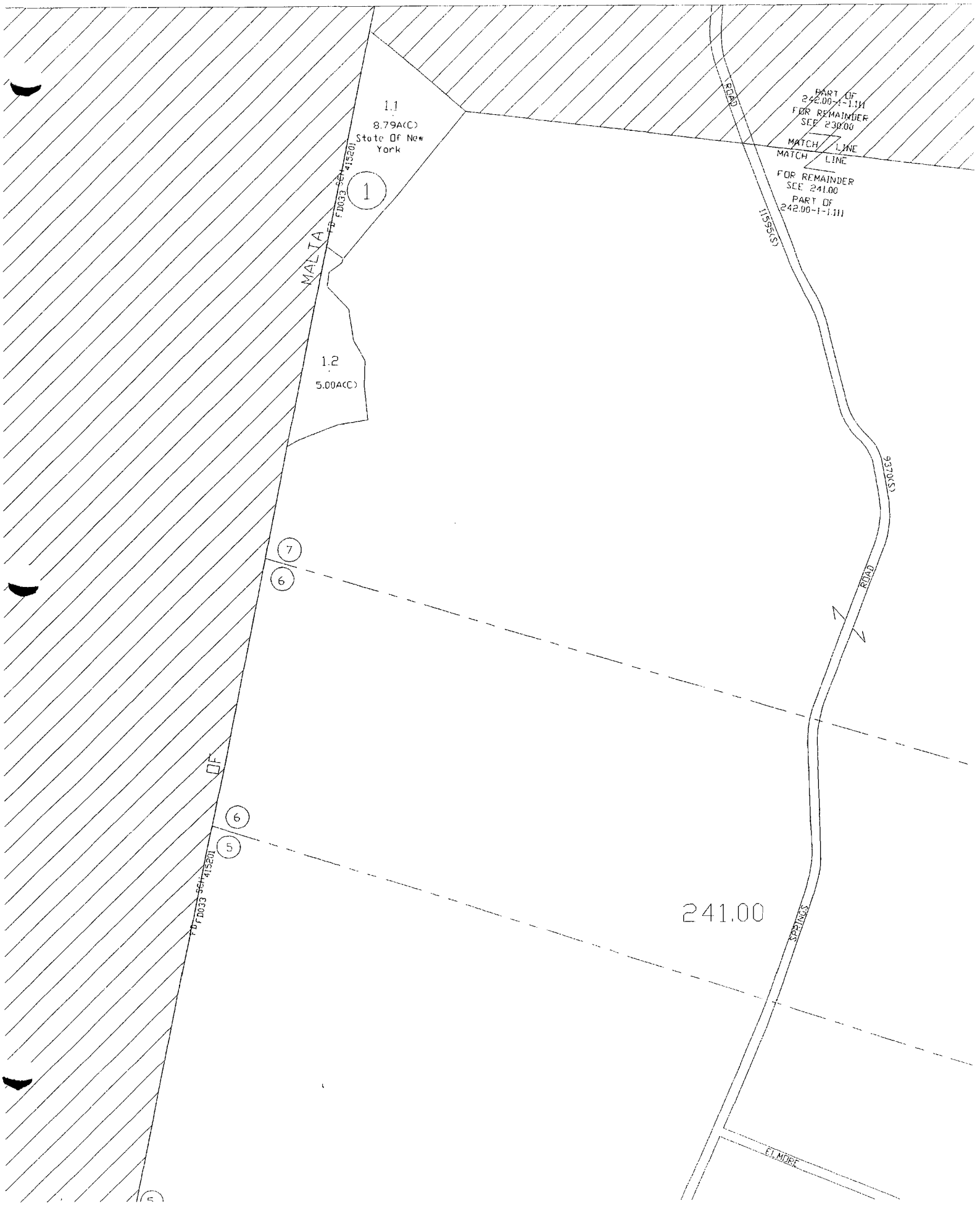
## COMMERCIAL

| USED AS CODE | FL | SQUARE FEET | UNIT CODE | NO OF UNITS |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

### MISCELLANEOUS IMPROVEMENT CODES

| MEASURE CODE | | CONDITION | | GRADE | |
|---|---|---|---|---|---|
| 1 | QUANTITY | 1 | POOR | A | EXCELLENT |
| 2 | DIMENSIONS | 2 | FAIR | B | GOOD |
| 3 | SQUARE FEET | 3 | NORMAL | C | AVERAGE |
| 4 | DOLLARS | 4 | GOOD | D | ECONOMY |
| | | 5 | EXCELLENT | E | MINIMUM |

| FLOOR LEVEL | | UNIT CODES | | | |
|---|---|---|---|---|---|
| B | BASEMENT | 02 | APARTMENTS | 10 | BAYS |
| F | 1ST FLOOR | 03 | ROOMS | 11 | GALLONS |
| U | UPPER | 04 | SEATS | 12 | PADS |
| T | TOTAL | 05 | BEDS | 13 | RUNS |
| | | 06 | STALLS | 14 | HOLES |
| | | 07 | LANES | 15 | PLOTS |
| | | 08 | COURTS | 16 | BARRELS |
| | | 09 | SLIPS | 17 | ACRES |


1.1
8.79A(C)
State Of New York
1.2
5.00A(C)
MALTA
FD033 SEH 415201
1
7
6
6
5
OF
FD033 SEH 415201
ROAD
1159'(S)
PART OF
242.00-1-1.11
FOR REMAINDER
SEE 230.00
MATCH LINE
MATCH LINE
FOR REMAINDER
SEE 241.00
PART OF
242.00-1-1.111
937'(S)
ROAD
241.00
SPRINGS
ELMORE


241.00




prepared from maps and deeds
public record, in accordance
the Real Property Tax Law.
only.
sent a land survey, and must

eal property taken herefrom
eyance or transfer, must be
isary and incidental to the
al Property Tax Law.

**REVISION TABLE**

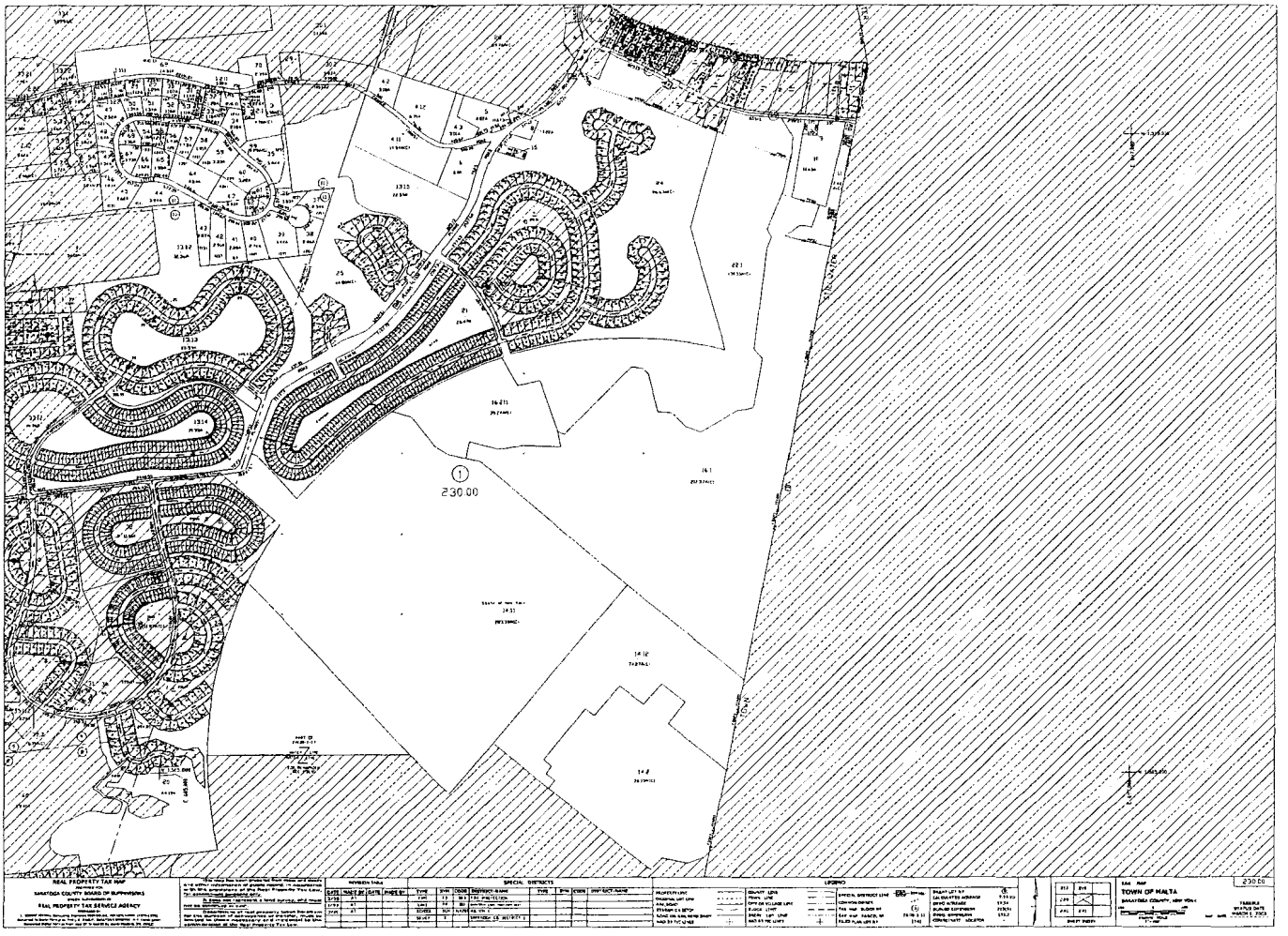
| DATE | MADE BY | DATE | MADE BY |
|---|---|---|---|
| 3/98 | AT | | |
| 1/99 | AT | | |
| 3/09 | AT | | |
| | | | |
| | | | |

**SPECIAL DISTRICTS**

| TYPE | SYM | CODE | DISTRICT-NAME | TYPE | SYM | CODE | DISTRICT-NAME |
|---|---|---|---|---|---|---|---|
| FIRE | FD | 023 | FIRE PROTECTION | | | | |
| LAKE | FD | 001 | SARATOGA LAKE PROTECTION DIST | | | | |
| SCHOOL | SCH | 414201 | MILTON 1 | | | | |
| SEWER | S | | SARATOGA CO. DISTRICT 1 | | | | |

**LEGEND**

| | | | |
|---|---|---|---|
| PROPERTY LINE | COUNTY LINE | SPECIAL DISTRICT LINE (CODE/CODE—SYMBOL) | GREAT LOT N° |
| ORIGINAL LOT LINE | TOWN LINE | COMMON OWNER | CALCULATED ACREAGE |
| RAILROAD | CITY OR VILLAGE LINE | TAX MAP BLOCK N° (3) | DEED ACREAGE |
| STREAM OR DITCH | BLOCK LIMIT | TAX MAP PARCEL N° 76.00-1-11 | SCALED DIMENSION |
| ROAD OR RAILROAD BNDY. | GREAT LOT LINE | FILED PLAN LOT N° (14) | DEED DIMENSION |
| NAD 27 TIC LINES | NAD 83 TIC LINES | | COORDINATE LOCATOR |


230.00

| | | | |
|---|---|---|---|
| Owner: WRIGHT-MALTA CORP | | Tax Acct: 241.000-0001-001.002000 | Acct#: |
| Owner 2: | | Printkey:241.-1-1.2 | Rentable SF: 0 |
| Prop Addr #: 0 | Use: 323 VACANT RURAL (OTHER) | Bldg Sq Foot: 0 | Swis Code: 415289 |
| Prop Street: COLD SPRINGS RD REAR | East: 0692039 | North: 1504364 | 1st Floor Footage: 0 |
| Mail Addr 1: MALTA TEST STA PLAINS RD | | Phone: | 2nd Floor Footage: 0 |
| Mail Addr 2: BALLSTON SPA NY | | Misc1: | Number Fireplaces: 0 |
| Area : Town of STILLWATER | | Subdiv: | Story Height: 0 |
| Zip Code : 12020- | | Misc2: | Number Res Units: 0 |
| Lot Size (acres): 5.00 | Lot Size: | Deed Book-Deed Page: 1073-504 | Number 1 Bdrm.: |
| House Type: | Heat: | | Number 2 Bdrm: |
| Basement: | Fuel: | Number Bedrm: 0.0 | Number 3 Bdrm: |
| Basement SF: 0 | Water: | Number Baths: 0.0 | Used As1: |
| Exterior: | Sewer: | Number Stories: 0.0 | Used As2: |
| Garage: 0 | Util: | Number Bldgs: 0 | School Code: 415201 |
| Year Built: 0 | | Assess Total: $ 1200 | County Tax: $ 6.49 |
| Improvmt1: | Size: 0 X 0 | Land Assessment: $ 1200 | City Tax: $ 0.00 |
| Improvmt2: | Size: 0 X 0 | Old Assessment: $ 1200 | School Dist: STILLWTR |
| Improvmt3: | Size: 0 X 0 | Sales Price: $0.00 | School Tax: $21.24 |
| Improvmt4: | Size: 0 X 0 | Sale Date: N/A | Exempt: |
| | | Arms Length Sale: | |

Close Window

| | | | |
|---|---|---|---|
| Owner: WRIGHT-MALTA CORPORATION | | Tax Acct: 241.000-0001-001.001000 | Acct#: 7 902862 |
| Owner 2: MALTA TEST STATION | | Printkey:241.-1-1.1 | Rentable SF: 0 |
| Prop Addr #: 0 | Use: | Bldg Sq Foot: 0 | Swis Code: 415289 |
| Prop Street: COLD SPRINGS RD REAR | East: 0692370 | North: 1505716 | 1st Floor Footage: 0 |
| Mail Addr 1: PLAINS RD | | Phone: | 2nd Floor Footage: 0 |
| Mail Addr 2: BALLSTON SPA NY | | Misc1: | Number Fireplaces: 0 |
| Area : Town of STILLWATER | | Subdiv: | Story Height: 0 |
| Zip Code : 12020- | | Misc2: | Number Res Units: 0 |
| Lot Size (acres): 8.79 | Lot Size: | Deed Book-Deed Page: 1446-593 | Number 1 Bdrm.: |
| House Type: | Heat: | | Number 2 Bdrm: |
| Basement: | Fuel: | Number Bedrm: 0.0 | Number 3 Bdrm: |
| Basement SF: 0 | Water: NONE | Number Baths: 0.0 | Used As1: |
| Exterior: | Sewer: PUBLIC | Number Stories: 0.0 | Used As2: |
| Garage: 0 | Util: ELEC ONLY | Number Bldgs: 0 | School Code: 415201 |
| Year Built: 0 | | Assess Total: $ 2000 | County Tax: $ 10.82 |
| Improvmt1: | Size: 0 X 0 | Land Assessment: $ 2000 | City Tax: $ 0.00 |
| Improvmt2: | Size: 0 X 0 | Old Assessment: $ 2000 | School Dist: STILLWTR |
| Improvmt3: | Size: 0 X 0 | Sales Price: $0.00 | School Tax: $35.40 |
| Improvmt4: | Size: 0 X 0 | Sale Date: N/A | Exempt: Y |
| | | Arms Length Sale: | |

Close Window

| | | | |
|---|---|---|---|
| Owner: WRIGHT-MALTA CORPORATION | | Tax Acct: 230.000-0001-014.012000 | Acct#: |
| Owner 2: | | Printkey:230.-1-14.12 | Rentable SF: 0 |
| Prop Addr #: 40 | Use: 340 VAC INDUSTRIAL SITE | Bldg Sq Foot: 0 | Swis Code: 414089 |
| Prop Street: MALTA TEST RD | East: 0690935 | North: 1506428 | 1st Floor Footage: 0 |
| Mail Addr 1: PLAINS RD | | Phone: | 2nd Floor Footage: 0 |
| Mail Addr 2: MALTA NY | | Misc1: | Number Fireplaces: 0 |
| Area : Town of MALTA | | Subdiv: Side: E | Story Height: 0 |
| Zip Code : 12020- | | Misc2: | Number Res Units: 0 |
| Lot Size (acres): 74.27 | Lot Size: | Deed Book-Deed Page: 1446-593 | Number 1 Bdrm.: |
| House Type: | Heat: | | Number 2 Bdrm: |
| Basement: | Fuel: | Number Bedrm: 0.0 | Number 3 Bdrm: |
| Basement SF: 0 | Water: NONE | Number Baths: 0.0 | Used As1: |
| Exterior: | Sewer: PUBLIC | Number Stories: 0.0 | Used As2: |
| Garage: 0 | Util: NONE | Number Bldgs: 0 | School Code: 414201 |
| Year Built: 0 | | Assess Total: $ 373800 | County Tax: $ 1136.35 |
| Improvmt1: | Size: 0 X 0 | Land Assessment: $ 373800 | City Tax: $ 0.00 |
| Improvmt2: | Size: 0 X 0 | Old Assessment: $ 373800 | School Dist: BAL-CENT |
| Improvmt3: | Size: 0 X 0 | Sales Price: $393,800.00 | School Tax: $7,917.08 |
| Improvmt4: | Size: 0 X 0 | Sale Date: 7/ 11/ 1996 | Exempt: |
| | | Arms Length Sale: | |

* HISTORICAL SALE *

| | | | | | |
|---|---|---|---|---|---|
| Sale Price: $393,800.00 | Sale Date: 7/ 11/ 1996 | Grantor: STATE OF NEW YORK | Deed: 1446 -593 | Deed Type: Q | Deed Valid: 0 |

Close Window

| | | | |
|---|---|---|---|
| Owner: WRIGHT-MALTA CORPORATION | | Tax Acct: 230.000-0001-014.002000 | Acct#: |
| Owner 2: | | Printkey:230.-1-14.2 | Rentable SF: 49475 |
| Prop Addr #: 10 | Use: | Bldg Sq Foot: 49475 | Swis Code: 414089 |
| Prop Street: MALTA TEST RD | East: 0691027 | North: 1504889 | 1st Floor Footage: 0 |
| Mail Addr 1: PLAINS ROAD | | Phone: | 2nd Floor Footage: 0 |
| Mail Addr 2: MALTA NY | | Misc1: | Number Fireplaces: 0 |
| Area : Town of MALTA | | Subdiv: Side: E | Story Height: 0 |
| Zip Code : 12020- | | Misc2: | Number Res Units: ********** |
| Lot Size (acres): 76.13 | Lot Size: | Deed Book-Deed Page: 1073-504 | Number 1 Bdrm.: |
| House Type: | Heat: | | Number 2 Bdrm: |
| Basement: | Fuel: | Number Bedrm: 0.0 | Number 3 Bdrm: |
| Basement SF: 0 | Water: PRIVATE | Number Baths: 0.0 | Used As1: F11 |
| Exterior: | Sewer: PRIVATE | Number Stories: 0.0 | Used As2: |
| Garage: 0 | Util: NONE | Number Bldgs: 1 | School Code: 414201 |
| Year Built: 1975 | | Assess Total: $ 680000 | County Tax: $ 2067.20 |
| Improvmt1: TANK,PETROLM | Size: 5000 X 0 | Land Assessment: $ 380000 | City Tax: $ 0.00 |
| Improvmt2: | Size: 0 X 0 | Old Assessment: $ 680000 | School Dist: BAL-CENT |
| Improvmt3: | Size: 0 X 0 | Sales Price: $0.00 | School Tax: $14,402.40 |
| Improvmt4: | Size: 0 X 0 | Sale Date: N/A | Exempt: |
| | | Arms Length Sale: | |

Close Window

C.T. MALE ASSOCIATES, P.C.

50 Century Hill Drive, P.O. Box 727, Latham, New York 12110-0727
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com

June 11, 2004

Records Access Officer
Malta Ridge Volunteer Fire Department
5104 Nelson Avenue Extension
Malta, New York 12020

*Re: FOIL Request*
*Phase I Environmental Site Assessment*
*Wright-Malta Corp. Site*
*CTMA Project No.: 02.8049*

Our office is completing a Phase I Environmental Site Assessment for the above listed site which is located on Malta Test Road off of Dunning Street in the Town of Malta. Enclosed, please find a site location map.

Pursuant to the Freedom of Information Law (FOIL), please indicate the following:

- Responses made to the site for major fires;
- Responses made to the site or the surrounding properties for spills;
- Records concerning hazardous materials at the site and
- Records of above ground or underground storage tanks.

If you have any questions or comments regarding this request, or need additional information, please feel free to contact me at (518) 786-7551.

Our office will gladly reimburse for copying and postal expenses. Please contact me before copies are made if the fee exceeds $10.00. Your assistance is greatly appreciated.

Sincerely,
C.T. MALE ASSOCIATES, P.C.

Aimee Gates
Environmental Scientist

C.T. MALE ASSOCIATES, P.C.

50 Century Hill Drive, P.O. Box 727, Latham, New York 12110-0727
518.786.7400 FAX 518.786.7299 ctmale@ctmale.com

May 6, 2004

Ms. Sue Cunningham
Town Clerk/Records Access Officer
Town of Stillwater
Town Hall
66 East Street
Mechanicville, New York 12118

*Re: FOIL Request - Phase I Environmental Site Assessment*
*Wright-Malta Site*
*CTMA Project No.: 02.8049*

Dear Ms. Cunningham:

Our office is completing a Phase I Environmental Site Assessment for the above listed site which is located to the rear of Cold Springs Road in the Town of Stillwater. The site is referenced with tax map Nos. 241-1-1.1 and 1.2. Enclosed please find a site location map.

Pursuant to the Freedom of Information Law (FOIL) the following information is requested:

Assessment Records:
- Copies of the property tax assessment/history cards (current and former)
- Indicate current and former owners, date of purchase, book and page
- Copies of deeds if available

Building Department Records:
- Building permits for the site for major structures
- Demolition permits for the site
- Violations for the site
- Underground storage tank installation or removal permits for the site
- Asbestos abatements for the site
- Zoning classification for the site

Engineering Records:
- If municipal services (water, sanitary sewer, storm sewer) are provided to this site please verify and identify dates of connection (if available)

Fire Department or Fire Marshal Records:
- Responses made to the site for major fires
- Responses made to the site or the surrounding properties for spills
- Records concerning hazardous materials at the site
- Records of above ground or underground storage tanks

Historian Records:

- Previous use of the site, including previous owners if available
- General previous use of the site area

Clerk's Records:

- Records of environmental related liens, violations or notices for the site
- Solid wastes or construction/demolition landfills within ½ mile of the site

Enclosed please find five copies of this letter to distribute to the various referenced departments.

Our office will gladly compensate your office for any copying or postal/fax expenses. Please call this office before any copies are made if the total fee exceeds $20.00. Our fax and mailing address are indicated above. If you have any questions or comments regarding this request, please feel free to contact our office at (518) 786-7551. Your assistance is greatly appreciated.

Sincerely,
C.T. MALE ASSOCIATES, P.C.

Aimee Gates
Environmental Scientist

QUITCLAIM DEED

THIS INDENTURE, made the 11th day of July, 1996, between THE PEOPLE OF THE STATE OF NEW YORK, acting by and through the NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY, a New York public benefit corporation having its principal office at Two Empire State Plaza, Albany, New York 12223, party of the first part, and the WRIGHT-MALTA CORPORATION, a New York corporation having its principal office at the Malta Test Station on Plains Road, Ballston Spa, New York 12020, party of the second part.

WITNESSETH, that the party of the first part, in consideration of One Dollar lawful money of the United States and other good and valuable consideration, paid by the party of the second part, does hereby remise, release, and quitclaim unto the party of the second part, its successors and assigns forever, all of that certain real property described as follows:

All that tract, piece or parcel of land situate in the Town of Malta and in the Town of Stillwater, Saratoga County, New York and is further bounded and described as follows:

Beginning at an existing concrete monument at the Northwest corner of Tract A-100, described in the deed, United States of America acting by and through the Administrator of General Services to the People of the State of New York, recorded in the Saratoga County Clerk's Office, February 11, 1964, in Book 749 of Deeds at page 82 and runs:

(1) thence East along the division line of said Tract A-100 on the South and Tract A-100-E-3 on the North, Lands Appropriated by the People of the State of New York from Thomas C. Luther and Margaret C. Luther by Notice of Appropriation, filed August 20, 1968, in Book 836 of Deeds at page 114, on the North, a distance of 2,600 feet to an existing concrete monument;

(2) thence South along the lands of The Luther Forest Corporation, 2,567 feet to an iron rod set;

(3) thence West along lands of The Luther Forest Corporation, 1,000.00 feet to an iron rod set;

(4) thence S. 76 deg. 32 min. 44 sec. W., 30.85 feet to an iron rod set at the

BOOK 1446 593

To Malta 230-1-14.12
To Stillwater 241-1-1.1

Southeast corner of the lands (Premise 1) conveyed by the People of the State of New York, acting by and through the New York State Energy Research and Development Authority to the Wright-Malta Corporation by deed recorded in the Saratoga County Clerk's Office, December 21, 1984, in Book 1073 of Deeds at page 504;

(5) thence along the same the following twelve (12) courses and distances: North, 1054.18 feet to a point;

(6) East 340.00 feet to a point;

(7) North, 370 feet to a point;

(8) West, 340.00 feet to a point;

(9) North, 386.00 feet to a point;

(10) West, 492.62 feet to a point;

(11) North, 144.00 feet to a point;

(12) West, 819.38 feet to an existing iron rod;

(13) South, 140.00 feet to an existing iron rod;

(14) West, 119.50 feet to an existing iron rod;

(15) South, 141.00 feet to a point;

(16) West, 138.50 feet to an existing iron rod on the Easterly line of the lands of The Luther Forest Corporation;

(17) thence along the lands of the People of the State of New York, aforementioned, (Book 749 of Deeds at page 82) North, 901.00 feet to the point of place of beginning and containing about 83.06 acres of land.

The above bearings are based on an assumed North and South meridian passing through Monument 1 and Monument 2, as recovered in January, 1967. The true bearing of the line, Monument 1-Monument 2, is S. 49 deg. 54 min. 50 sec. E.;

EXCEPTING AND RESERVING unto the party of the first part, its successors and assigns, as an encumbrance upon the land described above, a perpetual and assignable easement to obtain utility and communication services from facilities situated on the premises herein conveyed, and the right to construct, maintain, repair and replace facilities and lines in, under and across the premises herein conveyed and to transport utility services to the adjoining

premises of the party of the first part, provided that the exercise of the rights so reserved shall not unreasonably interfere with the use and enjoyment of the premises herein conveyed.

EXCEPTING AND RESERVING unto the party of the first part, its successors and assigns, as an encumbrance on the land described above, a perpetual and assignable easement and profit to obtain water from the premises conveyed, for the benefit of any facilities now or hereafter existing and located on any of the premises now owned by the party of the first part adjoining the premises conveyed; together with the right to construct, operate, and maintain water works, wells, storage tanks, pumping stations, water mains, and similar water supply and distribution facilities on the premises conveyed with the right of ingress and egress over the premises conveyed for the purpose of obtaining such water and constructing, operating, and maintaining such facilities; subject to the prior approval as to the location thereof by the party of the second part, its successors and assigns, which approval shall not unreasonably be withheld.

TOGETHER WITH the appurtenances and all the estate and rights of the party of the first part in and to said premises.

TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, its successors and assigns forever.

IN WITNESS WHEREOF, the party of the first part has caused its corporate seal to be hereunto affixed and this instrument to be signed by its duly authorized officer the day and year first above written.

THE PEOPLE OF THE STATE OF NEW YORK
acting by and though the NEW YORK STATE
ENERGY RESEARCH AND DEVELOPMENT
AUTHORITY

(Corporate Seal)

by _____ (L.S.)
F. William Valentino, President

Attest:

Howard A. Jack
Secretary

ACKNOWLEDGEMENTS

**STATE OF NEW YORK)**
**ss.:**
**COUNTY OF ALBANY )**

On the 11th day of July 1996, before me personally appeared F. William Valentino, to me known and who, being first duly sworn by me, did depose and say that he resides at Delmar, New York; that he is the President of the New York State Energy Research and Development Authority, the Authority described in and which executed the above instrument; that the New York State Energy Research and Development Authority is authorized to sell, convey, and otherwise dispose of real and personal property, together with such rights and privileges as may be incidental and appurtenant thereto and to the use thereof, pursuant to New York Public Authorities Law Section 1855, subdivision 5; and that he signed his name thereto by authority of Sections 1 and 3 of Article IV of the By-laws of such Authority (as amended through April 24, 1995).

(Seal)

Jacquelyn L. Jerry
NOTARY PUBLIC STATE OF NEW YORK
Qualified in Albany County
My commission expires July 31, 1997

JACQUELYN L. JERRY
Notary Public, State of New York
No. 4953824
Qualified in Albany County
Commission Expires July 31, 1997

**STATE OF NEW YORK)**
**ss.:**
**COUNTY OF ALBANY )**

On the 11th day of July 1996, before me personally appeared Howard A. Jack, to me known and who, being first duly sworn by me, did depose and say that he resides at Delmar, New York; that he is the Secretary of the New York State Energy Research and Development Authority, the Authority described in and which executed the above instrument; that he knows the seal of said Authority; that it was affixed to the above instrument by

authority of Section 6 of Article IV of the By-laws of such Authority (as amended through April 24, 1995); and that he signed his name thereto by like authority.

(Seal)

Jacquelyn L. Jerry
NOTARY PUBLIC STATE OF NEW YORK
Qualified in Albany County
My commission expires July 31, 1997

JACQUELYN L. JERRY
Notary Public, State of New York
No. 4953824
Qualified in Albany County
Commission Expires July 31, 1997

R+R

McGIVERN, SHAW & O'CONNOR
ATTORNEYS AT LAW
10 SO. TEN BROECK STREET
SCOTIA, NEW YORK 12302

# APPENDIX D

## Environmental Database Report

# *FirstSearch Technology Corporation*

# Environmental FirstSearch™ Report

TARGET PROPERTY:

**40 TEST STATION ROAD**

**BALLSTON SPA NY 12020**

Job Number: 02.8049

**PREPARED FOR:**

C.T. Male Associates

50 Century Hill Drive

Latham, New York 12110

06-01-04




*Tel: (781) 320-3720* *Fax: (781) 320-3715*

Environmental FirstSearch is a registered trademark of FirstSearch Technology Corporation. All rights reserved.

# *Environmental FirstSearch*
# *Search Summary Report*

**Target Site:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

## FirstSearch Summary

| Database | Sel | Updated | Radius | Site | 1/8 | 1/4 | 1/2 | 1/2> | ZIP | TOTALS |
|---|---|---|---|---|---|---|---|---|---|---|
| NPL | Y | 04-08-04 | 1.00 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| CERCLIS | Y | 02-09-04 | 0.50 | 1 | 0 | 0 | 0 | - | 0 | 1 |
| NFRAP | Y | 02-09-04 | 0.25 | 0 | 0 | 0 | - | - | 0 | 0 |
| RCRA TSD | Y | 02-09-04 | 1.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RCRA COR | Y | 02-09-04 | 1.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RCRA GEN | Y | 02-09-04 | 0.25 | 2 | 0 | 0 | - | - | 0 | 2 |
| RCRA NLR | Y | 02-09-04 | 0.25 | 4 | 0 | 0 | - | - | 0 | 4 |
| ERNS | Y | 12-31-03 | 0.25 | 0 | 0 | 0 | - | - | 0 | 0 |
| NPDES | N | 01-26-04 | 0.25 | - | - | - | - | - | - | - |
| FINDS | N | 07-16-98 | 0.25 | - | - | - | - | - | - | - |
| TRIS | N | 03-29-04 | 0.25 | - | - | - | - | - | - | - |
| State Sites | Y | 01-01-04 | 1.00 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Spills-1990 | Y | 05-10-04 | 0.25 | 5 | 0 | 0 | - | - | 0 | 5 |
| Spills-1980 | Y | 10-18-00 | 0.25 | 0 | 0 | 0 | - | - | 0 | 0 |
| SWL | Y | 03-03-02 | 0.50 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| Permits | N | NA | 0.25 | - | - | - | - | - | - | - |
| Other | N | 01-01-02 | 0.25 | - | - | - | - | - | - | - |
| REG UST/AST | Y | 01-01-02 | 0.25 | 2 | 0 | 0 | - | - | 0 | 2 |
| Leaking UST | Y | 02-09-04 | 0.50 | 0 | 0 | 0 | 0 | - | 0 | 0 |
| State Wells | N | 02-02-98 | 0.50 | - | - | - | - | - | - | - |
| Aquifers | N | 07-06-01 | 0.50 | - | - | - | - | - | - | - |
| ACEC | N | NA | 0.50 | - | - | - | - | - | - | - |
| Wetlands | N | 11-20-00 | 0.50 | - | - | - | - | - | - | - |
| Floodplains | N | 04-08-98 | 0.50 | - | - | - | - | - | - | - |
| Nuclear Permits | N | 04-30-99 | 0.50 | - | - | - | - | - | - | - |
| Historic/Landmark | N | 09-01-02 | 0.50 | - | - | - | - | - | - | - |
| Federal Land Use | N | 06-17-98 | 0.50 | - | - | - | - | - | - | - |
| Federal Wells | N | 05-19-03 | 0.50 | - | - | - | - | - | - | - |
| Releases(Air/Water) | N | 12-31-03 | 0.25 | - | - | - | - | - | - | - |
| HMIRS | N | 03-31-03 | 0.25 | - | - | - | - | - | - | - |
| NCDB | N | 04-30-04 | 0.25 | - | - | - | - | - | - | - |
| PADS | N | 03-01-04 | 0.25 | - | - | - | - | - | - | - |
| Federal Other | N | NA | 0.25 | - | - | - | - | - | - | - |
| Misc | N | NA | 0.25 | - | - | - | - | - | - | - |
| Towers | N | 08-16-01 | 0.25 | - | - | - | - | - | - | - |
| Soils | N | 03-18-97 | 0.25 | - | - | - | - | - | - | - |
| Receptors | N | 01-01-95 | 0.50 | - | - | - | - | - | - | - |
| - TOTALS - | | | | 16 | 0 | 0 | 0 | 0 | 0 | 16 |

### Notice of Disclaimer

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

### Waiver of Liability

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

# *Environmental FirstSearch*
# *Site Information Report*

| | | | |
|---|---|---|---|
| **Request Date:** | 06-01-04 | **Search Type:** | AREA |
| **Requestor Name:** | AIMEE GATES | **Job Number:** | 02.8049 |
| **Standard:** | CTMA-U | | **Filtered Report** |

**TARGET ADDRESS:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

## *Demographics*

**Sites:** 16 **Non-Geocoded:** 0 **Population:** NA

**Radon:** OF THE 81 HOMES TESTED, THE AVG. PCI/L LEVEL WAS 2.8

## *Site Location*

| | Degrees (Decimal) | Degrees (Min/Sec) | | UTMs |
|---|---|---|---|---|
| **Longitude:** | -73.757293 | -73:45:26 | **Easting:** | 601354.297 |
| **Latitude:** | 42.963545 | 42:57:49 | **Northing:** | 4757300.784 |
| | | | **Zone:** | 18 |

## *Comment*

**Comment:**

## *Additional Requests/Services*

**Adjacent ZIP Codes:** 0 Mile(s)

| ZIP Code | City Name | ST | Dist/Dir | Sel |
|---|---|---|---|---|
| 12118 | MECHANICVILLE | NY | 0.00 -- | Y |

**Services:**

| | Requested? | Date |
|---|---|---|
| Sanborns | No | |
| Aerial Photographs | No | |
| Topographical Maps | No | |
| City Directories | No | |
| Title Search | No | |
| Municipal Reports | No | |
| Online Topos | No | |

# *Environmental FirstSearch*
# *Sites Summary Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

**TOTAL:** 16 **GEOCODED:** 16 **NON GEOCODED:** 0 **SELECTED:** 0

| ID | DB Type | Site Name/ID/Status | Address | Dist/Dir | Map ID |
|---|---|---|---|---|---|
| 1 | NPL | MALTA ROCKET FUEL AREA<br>NYD980535124/FINAL | PLAINS RD<br>MALTA NY 12020 | 0.00 -- | 1 |
| 2 | CERCLIS | MALTA ROCKET FUEL AREA<br>NYD980535124/FINAL | PLAINS RD<br>MALTA NY 12020 | 0.00 -- | 2 |
| 3 | RCRAGN | TURBONETICS ENERGY INC<br>NYD982737173/SGN | 20 PLAINS RD<br>BALLSTON SPA NY 12020 | 0.00 -- | 2 |
| 4 | RCRAGN | WRIGHT MALTA CORP<br>NYD986979425/VGN | MALTA TEST STATION - PLAINS R<br>BALLSTON SPA NY 12020 | 0.00 -- | 2 |
| 5 | RCRANLR | ADVANCED LIQUID POLYMER SYSTEM<br>NY0000989343/NLR | 10 PLAINS RD<br>BALLSTON SPA NY 12020 | 0.00 -- | 2 |
| 6 | RCRANLR | LOCKHEED MARTIN DEFENSE SYSTEMS<br>NYD981559131/NLR | 99 PLAINS RD<br>BALLSTON SPA NY 12020 | 0.00 -- | 2 |
| 7 | RCRANLR | NYS ENERGY RESEARCH & DEVELOPMENT A<br>NYD099689846/NLR | PLAINS RD - MALTA ROCKET FUEL<br>BALLSTON SPA NY 12020 | 0.00 -- | 2 |
| 8 | RCRANLR | POWER TECHNOLOGIES INC.<br>NYD981565393/NLR | SARATOGA R & D CENTER<br>BALLSTON SPA NY 12020 | 0.00 -- | 2 |
| 9 | STATE | ROCKET TEST SITE (MALTA TEST STATIO<br>546022 | PLAINS ROAD<br>MALTA NY 12151 | 0.00 -- | 2 |
| 10 | SPILLS | MARTIN MARIETTA<br>9309563/CLOSED 01/10/1994 | WRIGHT-MALTA CORP.<br>BALLSTON SPA NY 12020 | 0.00 -- | 2 |
| 11 | SPILLS | MTI<br>9504346/CLOSED 07/23/1996 | 20 PLAINS RD<br>BALLSTON SPA NY 12020 | 0.00 -- | 2 |
| 12 | SPILLS | WRIGHT MALTA CORP<br>9812640/CLOSED 09/27/2001 | 20 PLAINS RD<br>BALLSTON SPA NY 12020 | 0.00 -- | 2 |
| 13 | SPILLS | WRIGHT MALTA CORP<br>9807317/CLOSED 06/27/2000 | PLAINS RD<br>BALLSTON SPA NY 12020 | 0.00 -- | 2 |
| 14 | SPILLS | WRIGHT MALTA CORP<br>9807740/CLOSED 06/27/2000 | 20 PLAINS RD<br>BALLSTON SPA NY 12020 | 0.00 -- | 2 |
| 15 | UST | MALTA ROCKET FUEL AREA - BUILDING 2<br>PBS5-500593/ADMINISTRATIVELY CLO | 20 PLAINS ROAD<br>MALTA NY 12020 | 0.00 -- | 2 |
| 16 | UST | WRIGHT-MALTA CORP.<br>PBS5-600006/ACTIVE PBS FACILITY | PLAINS ROAD<br>BALLSTON SPA NY 12020 | 0.00 -- | 2 |

# *Environmental FirstSearch*
# *Site Detail Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

NPL SITE

**SEARCH ID:** 1 **DIST/DIR:** 0.00 -- **MAP ID:** 1

**NAME:** MALTA ROCKET FUEL AREA
**ADDRESS:** PLAINS RD
MALTA NY 12020
**CONTACT:** STEPHEN WAKEFIELD

**REV:** 4/8/04
**ID1:** NYD980535124
**ID2:** 0202084
**STATUS:** FINAL
**PHONE:**

***SITE INFORMATION***

**EVENT TYPE**

| | | | |
|---|---|---|---|
| **SITE DISCOVERY BY:** | EPA | **DISCOVERY DATE:** | 04-01-80 |
| **SITE PROPOSED BY:** | EPA | **PROPOSED DATE:** | 06-10-86 |
| **FINAL LIST BY:** | EPA | **FINAL LIST DATE:** | 07-22-87 |

**ACTIVITIES:** U.S. GOVERNMENT ROCKET AND FUEL TESTING

**CONTAMINANTS:** VOLATILE ORGANIC COMPOUNDS. POLYCHLORINATED BIPHENYLS, AND BORON
**SOURCE OF CONTAMINATION:** SCRAP METAL STORAGE,CHEMICAL STORAGE, SOLID WASTE DISPOSAL, DRUM DISPOSAL, FUEL MIXING AREAS, AND SEPTIC LEACH FIELDS

**CONTAMINATED:** GROUNDWATER, SURFACE WATER, SEDIMENT, SOIL
**THREATENED:** GROUNDWATER, SURFACE WATER, SEDIMENT, PUBLIC WATER SUPPLY

**EVENT TYPE**

| | | | |
|---|---|---|---|
| **SITE DISCOVERY BY:** | EPA | **DISCOVERY DATE:** | 04-01-80 |
| **SITE PROPOSED BY:** | EPA | **PROPOSED DATE:** | 06-10-86 |
| **FINAL LIST BY:** | EPA | **FINAL LIST DATE:** | 07-22-87 |

**ACTIVITIES:** U.S. GOVERNMENT ROCKET AND FUEL TESTING

**CONTAMINANTS:** VOLATILE ORGANIC COMPOUNDS. POLYCHLORINATED BIPHENYLS, AND BORON
**SOURCE OF CONTAMINATION:** SCRAP METAL STORAGE,CHEMICAL STORAGE, SOLID WASTE DISPOSAL, DRUM DISPOSAL, FUEL MIXING AREAS, AND SEPTIC LEACH FIELDS

**CONTAMINATED:** GROUNDWATER, SURFACE WATER, SEDIMENT, SOIL
**THREATENED:** GROUNDWATER, SURFACE WATER, SEDIMENT, PUBLIC WATER SUPPLY

**SITE DESCRIPTION**

Conditions at proposal (June 10, 1986): The Malta Rocket Fuel Area is in Malta, Saratoga County, New York. The site consists of about 445 acres. Approximately 145 acres are enclosed by chainlink fencing with barbed wire; the other 300 acres are wooded and essentially have no industrial activity of the kind carried on inside the fenced portion. An extensive residential subdivision, Luther Forest, is approximately 1 mile to the southwest. The land north, east, and south is uninhabited for at least 1 mile.

From the 1940s through the mid-1960s, General Electric Co. (GE) operated a Rocket Test Station as a contractor to the U.S. Government, which owned the site. GE tested ordnance and rocket engines, which included experimentation with exotic rocket fuels. The site was operated under some

***- Continued on next page -***

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

NPL SITE

**SEARCH ID:** 1 **DIST/DIR:** 0.00 -- **MAP ID:** 1

| | | | |
|---|---|---|---|
| **NAME:** | MALTA ROCKET FUEL AREA | **REV:** | 4/8/04 |
| **ADDRESS:** | PLAINS RD | **ID1:** | NYD980535124 |
| | MALTA NY 12020 | **ID2:** | 0202084 |
| | | **STATUS:** | FINAL |
| **CONTACT:** | STEPHEN WAKEFIELD | **PHONE:** | |

level of security, and many records have been destroyed, making it difficult to assemble an accurate record of past activities.

In the mid-1960s, the New York State Energy Resources and Development Authority (NYSERDA) bought the entire site from the U.S. Government and began leasing portions of the fenced 145 acres to various companies engaged in energy-related research. Wright-Malta Corp., a company started by former GE employees, continued some ordnance testing and branched off into energy-related research as well (for example, pyrolysis of solid waste and burning the resulting gases to generate electricity). In the fall of 1984, NYSERDA sold about 85 of the 145 acres inside the fence to Wright-Malta Corp. Currently, three other companies operate in the fenced area in addition to Wright-Malta.

In June 1979, NYSERDA contacted the State Department of Health (DOH) and the State Department of Environmental Conservation (DEC) for advice on how to dispose of rocket fuels left from GE s earlier research. Because of the extremely hazardous nature of at least one of the fuels, unsymmetrical dimethyl hydrazine, the regulatory agencies took a year to agree on the best disposal method. In July 1980, a restricted burning permit was issued to NYSERDA and its disposal contractor. The fuels were then burned under the direction of DEC.

Recent analyses conducted by DOH and DEC detected significant concentrations of carbon tetrachloride, trichloroethylene, chloroform, and dibromochloromethane in the three drinking water wells at the Test Station. One of the wells serves as a backup but is rarely used. DOH has advised the tenants not to drink the water. About 1,900 people are served by wells within 3 miles of the site.

Area soils are sandy, with ground water at approximately 20 feet below grade. The water supply for Luther Forest comes from two shallow wells in the sand aquifer located approximately 6,000 feet to the southwest and apparently downgradient of the Test Station.

Status (July 22, 1987): NYSERDA recently installed paired shallow and deep wells at seven locations around the site. Analyses confirmed contamination in both shallow and deep wells. The Luther Forest wells showed no contamination in September 1986.

**CONSTRUCTION COMPLETED DATE:** 09/23/1999
**CONSTRUCTION COMPLETED DATE:** 09/23/1999
**FINAL DATE:** 07/22/1987

**FINAL DATE:** 07/22/1987

# *Environmental FirstSearch*
# *Site Detail Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## CERCLIS SITE

**SEARCH ID:** 2 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | MALTA ROCKET FUEL AREA | **REV:** | 2/9/04 |
| **ADDRESS:** | PLAINS RD | **ID1:** | NYD980535124 |
| | MALTA NY 12020 | **ID2:** | 0202084 |
| | SARATOGA | **STATUS:** | FINAL |
| **CONTACT:** | | **PHONE:** | |

**DESCRIPTION:**

SITE DESCRIPTION The Site consists of one (1) operable unit and this ROD addresses the entire site. The remedy addresses the principal threats to human health and the environment that are posed by conditions at the Site. The Malta Rocket Fuel Area Superfund Site, also known as the Saratoga Research and Development Center, is located on Plains Road in the Towns of Malta and Stillwater, Saratoga County, New York, approximately 1.5 miles south of Saratoga Lake and 2 miles northeast of Round Lake. The Site includes a square parcel of approximately 165 acres of developed land, known as the Malta Test Station, which has been used as a research and development facility for rocket and weapons testing for more than fifty (50) years. The Test Station has thirty-three (33) buildings, numerous rocket test stands, concrete quench pits, leach fields/septic tanks, dry wells, storage areas, disposal areas, and a small artificial pond known as Mugget s Pond. A fence surrounds the majority of the T est Station. In addition to the Test Station, the site includes portions of the predominantly undeveloped woodlands that surround the Test Station, including a) the former G.E./Exxon Nuclear Building; b)Area D-3; c) the Triangular Parcel; and d) areas adjacent to the Test Station that have been impacted by Site-related constituents in ground water. The former G.E./Exxon Nuclear Building was built between 1968 and 1970 by the New York State Atomic and Space Development Authority, the predecessor of the New York Sate Energy Research and Development Authority (NYSERDA). It was used for experiments on low-level radiation of medical equipment and food preservation and for a gas centrifuge. uranium enrichment research project conducted by the General Electric Company (G.E.) and the Exxon Nuclear Company (now Advanced Nuclear Fuels, Inc.). NYSERDA currently leases the former G.E./Exxon Nuclear building to Optimum Air Corporation, which manufactures equipment to dry industrial coatings. Area D-3, also owned by NYSERDA, consists of a ravine partially filled with debris and covered with vegetated soil, which reportedly was used by the New York State Department of Transportation for disposal of construction and demolition debris during the construction of Interstate 87. The Triangular Parcel, owned by the Wright-Malta Corporation, is an area of forest adjacent to the southeast corner of the Test Station that was evaluated, but never used, for research and development testing. The portion of the Site beyond the Test Station boundary that has been impacted by contaminated ground water is owned by the Luther ForestCorporation, which built a residential housing development to the northwest of the Site, and operates a logging business within the safety easement. The land outside of the safety easement is zoned for residential use. Approximately 12,000 people live within a two-mile radius of the Site. There are two public water supply systems that serve the Luther For est residential community, the Luther Forest Well Field and the Cold Springs Well. The Luther Forest Well Field is located approximately 1 mile southwest of the Site. These wells tap the Knapp Road sand and gravel aquifer to provide water for the Luther Forest residential development. The Cold Springs Well is located approximately 1 mile northeast of the Site. The Cold Springs Well and two (2) others located nearby, the Saratoga Hollow Well and the Saratoga Ridge Well, tap unnamed sand and gravel aquifers near Saratoga Lake. Ground water and surface water sampling conducted as part of an Early Warning Monitoring System (EWMS) has been performed since July 1987 to verify that these public water supplies are not impacted by the Site. The Site characteristics were determined through performance of a comprehensive RI. The purpose of the RI was to determine the nature and extent of contamination at the Site and to obtain sufficient information to conduct a risk assessment and to evaluate cleanup alternatives. Field work began in October 1991 and was completed in May 1994. A total of 48 distinct areas of concern and the Site-wide ground water were investigated. The Site is situated on a topographic drainage divide. Streams in Ravines 6a, 6b, 7, and 8 north of the Site flow northward toward Saratoga Lake. Streams in Ravines 1a, 1b, 2a, 2b, 2c, 3, 4, and 5 south of the Site flow southward toward Round Lake. The Site is underlain by the unconsolidated aeolian sand, Lake Albany sand, and Lake Albany silty sand units, which have a combined thickness of up to 250 feet. The depth to ground water is approximately 15 to 55 feet below the surface. Below these sand layers is approximately 100-foot layer of clay and silt that hydraulically separates the Lake Albany sand/silty sand aquifer above from the bedrock below. Mugget s Pond at the Test Station was created by excavating a small area (.07 acre) down to the ground water table of the Lake Albany aquifer. Gro und water at the Site is influenced by the topographic divide and by the geologic layering. In general, ground water flows from the Triangular Parcel westward across the Test Station and discharges both northward to Ravines 6a, 6b, 7, 8 and southward to Ravines 1a, 1b, 2a, 2b, 2c, and 3. This Site consists of one (1) operable unit and the Record of Decision (ROD) addresses the entire site. The remedy addresses the principal threats to human health and the environment that are posed by conditions at the Site. SITE HISTORY The U.S. Government (through the Department of War, which later became the Department of Defense [DOD] established the Test Station in 1945. Since then, all or part of the Test Station has been leased to G.E., Wright-Malta Corporation, Exxon Nuclear Company, Olin Corporation, Iso-Nuclear Corporation, Mechanical Technology, Inc. (MTI), and Power Technologies, Inc. (PTI) and used for a wide range of rocket and weapons testing programs and for space and other research. Major research efforts conducted included Project Hermes, reportedly the first U.S. rocket engine program (Army and Navy), and Projects Vanguard (Navy) and Vega (National Aeronautics and Space Administration, or NASA), which were designed to launch satellites into space. Another NASA project at the Site involved simulating conditions for nose cone re-entry from space into the earth s atmosphere. These activities involved, among other things, the use of carbon tetrachloride (carbon tet) and trichloroethyle ne (TCE) as solvents and degreasers. In 1955, the U.S. Government established a perpetual restrictive safety easement surrounding the Test Station. The easement covered approximately 1,800 acres in a circular area of one-mile radius from the approximate geographic center of the Test Station, not including the Test Station itself. In 1964, NYSERDA s predecessor

***- Continued on next page -***

# *Environmental FirstSearch*
# *Site Detail Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## CERCLIS SITE

**SEARCH ID:** 2 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | MALTA ROCKET FUEL AREA | **REV:** | 2/9/04 |
| **ADDRESS:** | PLAINS RD | **ID1:** | NYD980535124 |
| | MALTA NY 12020 | **ID2:** | 0202084 |
| | SARATOGA | **STATUS:** | FINAL |
| **CONTACT:** | | **PHONE:** | |

purchased the 165-acre Test Station and the easement interest, and in 1968 it purchased an additional 280 acres within the easement area. Because a single entity (NYSERDA s) predecessor then held both the easement interest and owned a portion of the property that was subject to the easement restrictions, the easement restrictions on that 280-acre parcel were extinguished. In 1984, NYSERDA sold 81 acres of the original Test Station property and its interest in the easement to Wright-Malta Corporation, which continues to own this portion of the Test Station and hold the easement. On July 23, 1979, approximately 8 grams of uranium hexaflouride gas were released in a portion of the former GE/Exxon Nuclear building, depositing a thin film on the floor of the room. The area was cleaned and the contaminated material was sent to licensed disposal facilities. A radiation survey of the building was conducted on December 20, 1979 and all beta and gamma readings taken were within the limits of unrestricted use. In 1980, NYSERDA found drums containing 200 pounds of the amine nitrate CAVEA-B and 10 rusting 55-gallondrums of hydrazine fuels and rainwater on a concrete storage pad, called Area S-4. Hydrazine and CAVEA-B, a nitrogen-based mixture, were experimental liquid rocket propellants used at the Site. On July 16, 1980, NYSERDA obtained a permit from the New York State Department of Environmental Conservation (NYSDEC) for restricted burning of some of some of the waste. From July 18-21, 1980, combustible waste was burned in accordance with the permit requirements and the non-combustible drum contents were transferred to new poly-lined drums and staged until they were disposed of off-site in July 1981. In June 1985, transformers located on a portion of the Test Station leased to PTI were tested and found to contain polychlorinated biphenyls (PCBs). NYSERDA and PTI conducted a cleanup and decontamination of the transformers in 1987. In October 1985, a buried container of triethyl aluminum exploded when it was punctured by earth-moving activities. In 1985 and 1986, ground water at the Site was sampled and found to contain carbon tet, TCE, and chloroform, along with several other metals. In January 1987, an air stripper was permitted by NYSDEC and installed on the Test Station water supply wells by Wright-Malta Corporation to treat ground water prior to its use by employees at the Test Station. In 1987, NYSERDA sampled liquid and sludge from septic tanks at Buildings 20, 25, and the former G.E./Exxon Nuclear building. Based on detections of VOCs in these samples, inclu ding toluene at the former G.E./Exxon Nuclear building, NYSERDA has the septic tanks pumped out and rinsed in May 1988. In 1988, a drum was discovered in storage Area S-2 and sampled. Analysis of the drum contents indicated the liquid contained 4,270 parts per million (ppm) of lead, 235 ppm of zinc, and 93 ppm of copper. NYSERDA disposed of the drum off-site in April 1989 in accordance with the Resource Conservation and Recovery Act (RCRA) regulations. On June 10, 1986, EPA proposed the Site for inclusion on the National Priorities List (NPL). Final listing on the NPL occurred on July 22, 1987. Subsequently, at NYSDEC s request, EPA took the enforcement lead for the Site. EPA identified the following potentially responsible parties (PRPs): Advanced Nuclear Fuels, Inc. (the successor of Exxon Nuclear Fuels, Inc.); Curtiss-Wright Corporation; G.E.; MTI, NYSERDA; Olin Corporation; PTI; the U.S. DOD, Department of Energy, NASA), and Wright-Malta Corporation. In September 1989, E PA unilaterally issued an Administrative Order to eight of the PRPs for performance of the RI/FS. The Respondents to the Order are Advanced Nuclear Fuels, Inc.; Curtiss-Wright Corporation; G.E.; MTI; NYSERDA; Olin Corporation; PTI; and Wright-MaltaCorporation. In March 1990, G.E., NYSERDA, and DOD entered into a participation agreement among themselves and undertook performance of the RI/FS. In October 1991, EPA held a public meeting and issued a fact sheet to announce the start of the RI field work. Following the meeting, EPA finalized its Community Relations Plan which included information EPA had gathered from interviews with local residents and community leaders. In October 1991, EPA established local information repositories at the Malta Town Hall and Round Lake Library and an Administrative Record File at the EPA Docket Room in Region II, New York, New York. On April 16, 1996, EPA mailed out copies of the Proposed Plan to all persons on EPA s mailing list. On Apr il 17, 1996, EPA published a notice in a local newspaper, the Saratogian, announcing the availability of the RI report, the FS report, and the Proposed Plan for public inspection at the informational repositories and inviting public comment on these documents from April 17 to May 16, 1996. On April 24, 1996, EPA conducted a public meeting at the Malta Town Hall to inform local officials and interested citizens about the Superfund process, to summarize the results of the RI/FS, to review current and planned remedial activities at the Site, and to respond to any questions from area residents.

| ACTION/QUALITY | AGENCY/RPS | START/RAA | END |
|---|---|---|---|
| Lodged By DOJ | Federal Enforcement | | 01-05-1998 |
| FIVE YEAR REVIEW | EPA Fund-Financed | | 09-23-1999 |
| RISK/HEALTH ASSESSMENT | Federal Enforcement Primary | 10-29-1993 | 06-01-1995 |

***- Continued on next page -***

# *Environmental FirstSearch*
# *Site Detail Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## CERCLIS SITE

**SEARCH ID:** 2 **DIST/DIR:** 0.00 -- **MAP ID:** 2

**NAME:** MALTA ROCKET FUEL AREA
**ADDRESS:** PLAINS RD
MALTA NY 12020
SARATOGA
**CONTACT:**

**REV:** 2/9/04
**ID1:** NYD980535124
**ID2:** 0202084
**STATUS:** FINAL
**PHONE:**

| | | | |
|---|---|---|---|
| AERIAL SURVEY | EPA Fund-Financed | | 03-31-1989 |
| CONSENT DECREE | Federal Enforcement | 09-22-1997 | 03-16-1998 |
| DISCOVERY | EPA Fund-Financed | | 04-01-1980 |
| FINAL LISTING ON NPL | EPA Fund-Financed | | 07-22-1987 |
| NPL RP SEARCH | Federal Enforcement | 06-15-1987 | 08-15-1987 |
| PRELIMINARY ASSESSMENT<br>Low | State, Fund Financed | | 04-11-1986 |
| PREPARATION OF COST DOCM PKGE | Federal Enforcement | | 11-04-1996 |
| PROPOSAL TO NPL | EPA Fund-Financed | | 06-10-1986 |
| PRP COMMUNITY INVOLVEMENT | Responsible Party Primary | 11-10-1989 | 05-16-1996 |
| PRP RA | Responsible Party Primary | 03-16-1998 | 09-24-1999 |
| PRP RD | Responsible Party Primary | 10-10-1996 | 09-30-1997 |
| PRP RI/FS | Responsible Party Primary | 11-10-1989 | 07-18-1996 |
| RD/RA NEGOTIATIONS | Federal Enforcement Primary | 08-15-1996 | 09-30-1997 |
| RECORD OF DECISION | Federal Enforcement Primary | | 07-18-1996 |
| REMOVAL ASSESSMENT<br>Stabilized | EPA Fund-Financed Primary | 04-17-1990 | 08-06-1990 |
| REMOVAL ASSESSMENT<br>Stabilized | EPA Fund-Financed Primary | 11-19-1992 | 12-01-1992 |

*- Continued on next page -*

# *Environmental FirstSearch*
# *Site Detail Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## CERCLIS SITE

**SEARCH ID:** 2 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | MALTA ROCKET FUEL AREA | **REV:** | 2/9/04 |
| **ADDRESS:** | PLAINS RD | **ID1:** | NYD980535124 |
| | MALTA NY 12020 | **ID2:** | 0202084 |
| | SARATOGA | **STATUS:** | FINAL |
| **CONTACT:** | | **PHONE:** | |

| | | | |
|---|---|---|---|
| RI/FS NEGOTIATIONS | Federal Enforcement | 08-26-1988 | 09-28-1989 |
| SITE INSPECTION<br>High | State, Fund Financed | 04-07-1986 | 04-11-1986 |
| TECHNICAL ASSISTANCE GRANT | EPA Fund-Financed<br>Primary | 09-24-1993 | 02-17-2000 |
| UNILATERAL ADMIN ORDER | Federal Enforcement | | 09-28-1989 |

# *Environmental FirstSearch*
# *Site Detail Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## RCRA GENERATOR SITE

**SEARCH ID:** 3 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | TURBONETICS ENERGY INC | **REV:** | 2/9/04 |
| **ADDRESS:** | 20 PLAINS RD | **ID1:** | NYD982737173 |
| | MALTA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | SGN |
| **CONTACT:** | JEFF SHEELY | **PHONE:** | 5188992976 |

***SITE INFORMATION***

**CONTACT INFORMATION:** JEFF SHEELY
ENG
20 PLAINS RD
MALTA NY 12020

**PHONE:** 5188992976

**UNIVERSE TYPE:**

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

**SIC INFORMATION:**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

# *Environmental FirstSearch*
# *Site Detail Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## RCRA GENERATOR SITE

**SEARCH ID:** 4 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | WRIGHT MALTA CORP | **REV:** | 2/9/04 |
| **ADDRESS:** | MALTA TEST STATION - PLAINS R | **ID1:** | NYD986979425 |
| | BALLSTON SPA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | VGN |
| **CONTACT:** | RAYMOND KAZYAKA | **PHONE:** | 5188992227 |

***SITE INFORMATION***

**CONTACT INFORMATION:** RAYMOND KAZYAKA
PRES
MALTA TEST STATION - PLAINS RD
BALLSTON SPA NY 12020

**PHONE:** 5188992227

**UNIVERSE TYPE:**

CEG - CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS: GENERATES LESS THAN 100 KG/MONTH OF HAZARDOUS WASTE

**SIC INFORMATION:**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

# *Environmental FirstSearch*
# *Site Detail Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

RCRA NLR SITE

**SEARCH ID:** 5 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | ADVANCED LIQUID POLYMER SYSTEM | **REV:** | 2/9/04 |
| **ADDRESS:** | 10 PLAINS RD | **ID1:** | NY0000989343 |
| | MALTA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | NLR |
| **CONTACT:** | | **PHONE:** | |

***SITE INFORMATION***

**CONTACT INFORMATION:** SUSAN DAY
CFO
PO BOX 389
SOUTH BETHLEHEM NY 12161

**PHONE:** 5187672054

**UNIVERSE TYPE:**

**SIC INFORMATION:**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## RCRA NLR SITE

**SEARCH ID:** 6 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | LOCKHEED MARTIN DEFENSE SYSTEMS | **REV:** | 2/9/04 |
| **ADDRESS:** | 99 PLAINS RD | **ID1:** | NYD981559131 |
| | BALLSTON SPA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | NLR |
| **CONTACT:** | | **PHONE:** | |

***SITE INFORMATION***

**CONTACT INFORMATION:** MICHAEL WIATER
ENV SPECIALIST
100 PLASTICS AVE ROOM 1310C
PITTSFIELD MA 01201

**PHONE:** 4134942891

**UNIVERSE TYPE:**

**SIC INFORMATION:**

**ENFORCEMENT INFORMATION:**

| | | | |
|---|---|---|---|
| **AGENCY:** | S - STATE | **DATE:** | 29-DEC-88 |
| **TYPE:** | 120 - WRITTEN INFORMAL | | |

**VIOLATION INFORMATION:**

| | | | |
|---|---|---|---|
| **VIOLATION NUMBER:** | 0001 | **RESPONSIBLE:** | S - STATE |
| **DETERMINED:** | 15-DEC-88 | **DETERMINED BY:** | S - STATE |
| **CITATION:** | | **RESOLVED:** | 09-FEB-89 |
| **TYPE:** | GER - GENERATOR ALL REQUIREMENTS | | |

# *Environmental FirstSearch*
# *Site Detail Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## RCRA NLR SITE

**SEARCH ID:** 7 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | NYS ENERGY RESEARCH & DEVELOPMENT AUTH | **REV:** | 2/9/04 |
| **ADDRESS:** | PLAINS RD - MALTA ROCKET FUEL | **ID1:** | NYD099689846 |
| | BALLSTON SPA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | NLR |
| **CONTACT:** | | **PHONE:** | |

***SITE INFORMATION***

**CONTACT INFORMATION:** JILL SIEBELS
MRFA FAC COORD
1 COMPUTER DR S
ALBANY NY 12205

**PHONE:** 5184586623

**UNIVERSE TYPE:**

**SIC INFORMATION:**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

RCRA NLR SITE

**SEARCH ID:** 8 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | POWER TECHNOLOGIES INC. | **REV:** | 2/9/04 |
| **ADDRESS:** | SARATOGA R & D CENTER | **ID1:** | NYD981565393 |
| | MALTA, SARATOGA COUN NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | NLR |
| **CONTACT:** | | **PHONE:** | |

***SITE INFORMATION***

**CONTACT INFORMATION:** WILSON DELANO

SARATOGA R & D CENTER
MALTA, SARATOGA COUNTY NY 12020

**PHONE:** 5183741220

**UNIVERSE TYPE:**

**SIC INFORMATION:**

**ENFORCEMENT INFORMATION:**

**VIOLATION INFORMATION:**

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## STATE SITE

**SEARCH ID:** 9 **DIST/DIR:** 0.00 -- **MAP ID:** 2

**NAME:** ROCKET TEST SITE (MALTA TEST STATION)
**ADDRESS:** PLAINS ROAD
MALTA NY 12151
SARATOGA
**CONTACT:**

**REV:** 1/1/04
**ID1:** 546022
**ID2:** NYD980535124
**STATUS:**
**PHONE:**

***SITE INFORMATION***

**CLASS CODE:** 2
**ESTIMATED SIZE:** 445 ACRES
**REGION:** 5

**SITE TYPE:**
**OPEN DUMP:** X
**LAGOON:**
**POND:**
**STRUCTURE:**
**LANDFILL:**

**SITE OWNER/OPERATOR INFORMATION:**
**CURRENT OWNER(S) NAME:** NYS ENERGY RESEARCH AND DEVELOPMENT
**CURRENT OWNER(S) ADDRESS:** 2 ROCKEFELLER PLAZA
ALBANY NY 12223

**SITE OWNER/OPERATOR INFORMATION:**
**CURRENT OWNER(S) NAME:** RAY KAZYAKA, WRIGHT MALTA CORP.
**CURRENT OWNER(S) ADDRESS:** PLAINS ROAD
BALSTON SPA NY 12020

**OPERATOR(S) DURING DISPOSAL:** RAY KAZYAKA/WRIGHT-MALTA CORP.
**OPERATOR(S) ADDRESS:** PLAINS ROAD
BALLSTON SPA NY 12020

**HAZARDOUS WASTE DISPOSAL PERIOD:** 1945 ? TO 1964

**SITE DESCRIPTION:**
This National Priorities List site was formerly used as a rocket fuel testing area by General Electric (GE) under contract with the Federal Government. GE left the site in 1964 when the contract expired, leaving behind a small quantity of unstable rocket fuels stored in the open on a concrete pad and at least one location where a number of drums are believed to have been buried. The buried drums once contained rocket fuels, but reportedly were drained prior to burial. In July 1980, all of the waste rocket fuels abandoned at the site were burned in a controlled environment. Subsequent sampling of nearby drinking water supply wells has confirmed contamination of the groundwater by chlorinated hydrocarbons that are possibly attributable to the past waste handling activities at this site. The impacted drinking water wells are located on property that is now known as Wright Malta. Investigations at the Rocket Test Site have identified a total of forty eight areas of concern. In 1989, the USEPA issued a Unilateral Order calling for a Remedial Investigation/Feasibility Study at the site. The Remedial Investigation/Feasibility Study was completed and a Record of Decision was signed in July 1996. Design of the accepted remedy is complete. Under Work Element I, which covers drinking water issues, an air stripper treatment system has been built to treat potable water on the site. Under Work Element II, which covers groundwater related issues, a long term groundwater monitoring program has been established. Work element #4 certifies that the institutional control for this site is in place. The remedy is performing properly and is effective.

| **CONFIRMED HAZARDOUS WASTE DISPOSAL:** | **QUANTITY:** |
|---|---|
| Unsymmetrical Dimethyl Hydrazine (D001) | unknown |
| Spent Solvents (F001and F002) | unknown |

*- Continued on next page -*

# *Environmental FirstSearch*
# *Site Detail Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## STATE SITE

**SEARCH ID:** 9 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | ROCKET TEST SITE (MALTA TEST STATION) | **REV:** | 1/1/04 |
| **ADDRESS:** | PLAINS ROAD | **ID1:** | 546022 |
| | MALTA NY 12151 | **ID2:** | NYD980535124 |
| | SARATOGA | **STATUS:** | |
| **CONTACT:** | | **PHONE:** | |

**ANALYTICAL DATA AVAILABLE FOR**

| | | | |
|---|---|---|---|
| **GROUNDWATER:** | X | **SURFACE WATER:** | X |
| **AIR:** | | **SEDIMENT:** | X |
| **SOIL:** | X | | |

**APPLICABLE STANDARDS EXCEEDED FOR**

| | | | |
|---|---|---|---|
| **GROUNDWATER:** | X | **SURFACE WATER:** | |
| **AIR:** | | **DRINKING WATER:** | X |

**GEOTECHNICAL INFORMATION**

**SOIL/ROCK TYPE:**
**DEPTH TO GROUNDWATER:**

**LEGAL ACTION**

| | |
|---|---|
| **TYPE:** | CONSENT ORDER RI/FS |
| **STATUS:** | OS |

**REMEDIATION**

| | | | |
|---|---|---|---|
| **PROPOSED:** | X | **DESIGN** | |
| **ACTIVE:** | | **COMPLETE** | |

**ASSESSMENT OF ENVIRONMENTAL PROBLEMS:**
More groundwater sampling needs to be done to fully assess the impact this site has had on the environment, however, localized contravention of applicable standards is apparent. The site is surrounded by a one mile radius perpetual easement which is largely forested. A habitat based assessment was completed during the RI.

**ASSESSMENT OF HEALTH PROBLEMS:**
The site is completely fenced and surrounded by a forested one mile easement. Access to the site by the public is controlled. Groundwater and surface water are monitored. There are no impacts to existing off site drinking water sources.

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## STATE SPILLS SITE

**SEARCH ID:** 10 **DIST/DIR:** 0.00 -- **MAP ID:** 2

**NAME:** MARTIN MARIETTA
**ADDRESS:** WRIGHT-MALTA CORP.
MALTA NY
SARATOGA
**CONTACT:**

**REV:** 2/9/04
**ID1:** 9309563
**ID2:**
**STATUS:** CLOSED 01/10/1994
**PHONE:**

**SPILL DATE:** 11/06/93
**SPILL TIME:** 08:30

**DATE REPORTED:** 11/08/93
**TIME REPORTED:** 09:43

**MATERIAL SPILLED:** HYDRAULIC OIL
**MATERIAL CLASS:** PETROLEUM

**AMOUNT SPILLED:** 40 G
**AMOUNT RECOVERED:** 0 G

**MATERIAL SPILLED:** HYDRAULIC OIL
**MATERIAL CLASS:** PETROLEUM

**AMOUNT SPILLED:** 40 G
**AMOUNT RECOVERED:** 0 G

**CAUSE OF SPILL:** EQUIPMENT FAILURE
**RESOURCE AFFECTED:** ON LAND
**WATERBODY AFFECTED:**
**SOURCE OF SPILL:** COMMERCIAL/INDUSTRIAL
**REPORTED BY:** RESPONSIBLE PARTY
**CALLER REMARKS:**
FITTING CRACKED; LEAKED OUT ONTO FLOOR AND SOIL. SHOVELED UP; PUT INTO 55 GALLON DRUMS; WILL DISPOSE OF.

**REGION:** 5 **UST TRUST?** F

**SPILL INVESTIGATOR:** SM
**SPILL CONTACT:**
**TELEPHONE:**

**SPILLER:** MARTIN MARIETTA
**ADDRESS:** 99 PLAINS RD.
BALLSTON SPA , NY 12020-
**SPILLER CONTACT:**
**TELEPHONE:** (518) 899-4568

**CALLER:**
**AGENCY:**
**TELEPHONE:**

**NOTIFIER:**
**AGENCY:**
**TELEPHONE:**

**LAST DEC UPDATE:** 01/29/01
**DOES CLEAN UP MEET STANDARDS?** T
**CLOSE DATE:** 01/10/94
**PENALTY RECOMMENDED?** F
**DEC REMARKS:**
SM INVESTIGATED. INSTRUCTED TO EXCAVATE GRAVEL, SAND (SOIL) SURROUNDING BUILDING, TAKE OUT STAINED/SMELLY STUFF, UNTIL REMAINING SOIL SHOWS NO DETECTION WITH PID. SPILLER WILL COMPLETE EXCAVATION OF CONTAMINATED SOIL AND SEND DISPOSAL RECEIPT. RFC: CLEANUP COMPLETED; NO FURTHER ACTION NECESSARY AT THIS TIME.

# *Environmental FirstSearch*
# *Site Detail Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## STATE SPILLS SITE

**SEARCH ID:** 11 **DIST/DIR:** 0.00 -- **MAP ID:** 2

**NAME:** MTI
**ADDRESS:** 20 PLAINS RD
MALTA NY
SARATOGA
**CONTACT:**

**REV:** 2/9/04
**ID1:** 9504346
**ID2:**
**STATUS:** CLOSED 07/23/1996
**PHONE:**

**SPILL DATE:** 07/11/95
**SPILL TIME:** 11:00

**DATE REPORTED:** 07/11/95
**TIME REPORTED:**

**MATERIAL SPILLED:** WATER RUNOFF
**MATERIAL CLASS:** PETROLEUM
**AMOUNT SPILLED:** 200 G
**AMOUNT RECOVERED:** 0 G

**MATERIAL SPILLED:** MURIATIC ACID
**MATERIAL CLASS:** HAZARDOUS
**AMOUNT SPILLED:** 0 G
**AMOUNT RECOVERED:** 0 G

**MATERIAL SPILLED:** WATER RUNOFF
**MATERIAL CLASS:** PETROLEUM
**AMOUNT SPILLED:** 200 G
**AMOUNT RECOVERED:** 0 G

**MATERIAL SPILLED:** MURIATIC ACID
**MATERIAL CLASS:** HAZARDOUS
**AMOUNT SPILLED:** 0 G
**AMOUNT RECOVERED:** 0 G

**CAUSE OF SPILL:** EQUIPMENT FAILURE
**RESOURCE AFFECTED:** ON LAND
**WATERBODY AFFECTED:**
**SOURCE OF SPILL:** COMMERCIAL/INDUSTRIAL
**REPORTED BY:** RESPONSIBLE PARTY
**CALLER REMARKS:**
TUBES IN HEAT EXCHANGER CLEANED, CREATED SPILL. CONTAINED IN BUILDING, SMALL AMOUNT ON PAVEMENT. SPILL BEING CLEANED BY RUST INDUSTRIAL (MIKE CRAFT).

**REGION:** 5 **UST TRUST?** F

**SPILL INVESTIGATOR:** KM
**SPILL CONTACT:** **TELEPHONE:**

**SPILLER:** MTI
**ADDRESS:** 20 PLAINS ROAD
MALTA , NY 12020-
**SPILLER CONTACT:** **TELEPHONE:**

**CALLER:**
**AGENCY:**
**TELEPHONE:**

**NOTIFIER:**
**AGENCY:**
**TELEPHONE:**

**LAST DEC UPDATE:** 05/30/01
**DOES CLEAN UP MEET STANDARDS?** T
**DEC REMARKS:**

**CLOSE DATE:** 07/23/96
**PENALTY RECOMMENDED?** F

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## STATE SPILLS SITE

**SEARCH ID:** 12 **DIST/DIR:** 0.00 -- **MAP ID:** 2

**NAME:** WRIGHT MALTA CORP
**ADDRESS:** 20 PLAINS RD
BALLSTON SPA NY
SARATOGA
**CONTACT:**

**REV:** 2/9/04
**ID1:** 9812640
**ID2:**
**STATUS:** CLOSED 09/27/2001
**PHONE:**

**SPILL DATE:** 01/13/99
**SPILL TIME:** 11:30

**DATE REPORTED:** 01/13/99
**TIME REPORTED:** 11:51

**MATERIAL SPILLED:** DIESEL
**MATERIAL CLASS:** PETROLEUM

**AMOUNT SPILLED:** 0 G
**AMOUNT RECOVERED:** 0 G

**MATERIAL SPILLED:** DIESEL
**MATERIAL CLASS:** PETROLEUM

**AMOUNT SPILLED:** 0 G
**AMOUNT RECOVERED:** 0 G

**CAUSE OF SPILL:** EQUIPMENT FAILURE
**RESOURCE AFFECTED:** ON LAND
**WATERBODY AFFECTED:**
**SOURCE OF SPILL:** COMMERCIAL/INDUSTRIAL
**REPORTED BY:** LOCAL AGENCY
**CALLER REMARKS:**
WHILE REMOVING UNDERGROUND STORAGE TANK, SOIL CONTAMINATION WAS DISCOVERED. CLEAN WILL BE DONE BY MC ENVIRONMENTAL SERVICES.

**REGION:** 5 **UST TRUST?** F

**SPILL INVESTIGATOR:** AK
**SPILL CONTACT:** RAY KAZACK **TELEPHONE:** (518) 899-2227

**SPILLER:** WRIGHT MALTA CORP
**ADDRESS:** 20 PLAINS RD
BALLSTON SPA , NY 12020-
**SPILLER CONTACT:** RAY KAZACK **TELEPHONE:** (518) 899-2227

**CALLER:**
**AGENCY:**
**TELEPHONE:**

**NOTIFIER:**
**AGENCY:**
**TELEPHONE:**

**LAST DEC UPDATE:** 09/27/01
**DOES CLEAN UP MEET STANDARDS?** T
**CLOSE DATE:** 09/27/01
**PENALTY RECOMMENDED?** F
**DEC REMARKS:**
09/21/01: NO ADDITIONAL INFORMATION IN FILE. LETTER SENT. 09/27/01: TANK CLOSURE AND ANALYTICAL INFORMATION RECEIVED. SOIL SAMPLES WERE ND. RFC: NO FURTHER ACTION.

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## STATE SPILLS SITE

**SEARCH ID:** 13 **DIST/DIR:** 0.00 -- **MAP ID:** 2

**NAME:** WRIGHT MALTA CORP
**ADDRESS:** PLAINS RD
BALLSTON SPA NY
SARATOGA
**CONTACT:**

**REV:** 2/9/04
**ID1:** 9807317
**ID2:**
**STATUS:** CLOSED 06/27/2000
**PHONE:**

**SPILL DATE:** 09/15/98
**SPILL TIME:** 11:30

**DATE REPORTED:** 09/15/98
**TIME REPORTED:** 11:54

**MATERIAL SPILLED:** #2 FUEL OIL
**MATERIAL CLASS:** PETROLEUM
**AMOUNT SPILLED:** 0 G
**AMOUNT RECOVERED:** 0 G

**MATERIAL SPILLED:** #2 FUEL OIL
**MATERIAL CLASS:** PETROLEUM
**AMOUNT SPILLED:** 0 G
**AMOUNT RECOVERED:** 0 G

**CAUSE OF SPILL:** EQUIPMENT FAILURE
**RESOURCE AFFECTED:** ON LAND
**WATERBODY AFFECTED:**
**SOURCE OF SPILL:** COMMERCIAL/INDUSTRIAL
**REPORTED BY:** OTHER
**CALLER REMARKS:**
DURING TANK REMOVAL, SPILL WS FOUND. APPROXIMATELY 10 X10 OF SOIL CONTAMINATED. REMOVAL OF SOIL IS UNDERWAY.

**REGION:** 5 **UST TRUST?** F

**SPILL INVESTIGATOR:** SL
**SPILL CONTACT:** RAY CASIAK JR **TELEPHONE:** (518) 899-2227

**SPILLER:** WRIGHT MALTA CORP
**ADDRESS:** PLAINS RD
BALLSTON SPA , NY 12020-
**SPILLER CONTACT:** RAY CASIAK JR **TELEPHONE:** (518) 899-2227

**CALLER:**
**AGENCY:**
**TELEPHONE:**

**NOTIFIER:**
**AGENCY:**
**TELEPHONE:**

**LAST DEC UPDATE:** 10/05/01
**DOES CLEAN UP MEET STANDARDS?** T
**CLOSE DATE:** 06/27/00
**PENALTY RECOMMENDED?** F
**DEC REMARKS:**
SPILL CAUSED BY PUMP ISLAND LEAKING BY TANKS T-26 AND T-27 (10K FUEL OIL USTS). 10/12/98: 122 TONS OF CONTAMINATED SOIL REMOVED AND DISPOSED OF AT ESMI. CONFIRMATORY SAMPLES TAKEN IN TANK PIT AND PUMP ISLAND PIT; RESULTS BELOW TCLP ALTERNATIVE GUIDANCE VALUES. RFC: NO FURTHER WORK NECESSARY AT THIS TIME.

# *Environmental FirstSearch*
# *Site Detail Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## STATE SPILLS SITE

**SEARCH ID:** 14 **DIST/DIR:** 0.00 -- **MAP ID:** 2

**NAME:** WRIGHT MALTA CORP
**ADDRESS:** 20 PLAINS RD
MALTA NY
SARATOGA
**CONTACT:**

**REV:** 2/9/04
**ID1:** 9807740
**ID2:**
**STATUS:** CLOSED 06/27/2000
**PHONE:**

**SPILL DATE:** 09/24/98
**SPILL TIME:** 15:00

**DATE REPORTED:** 09/24/98
**TIME REPORTED:** 16:02

**MATERIAL SPILLED:** #2 FUEL OIL
**MATERIAL CLASS:** PETROLEUM

**AMOUNT SPILLED:** 100 G
**AMOUNT RECOVERED:** 0 G

**MATERIAL SPILLED:** #2 FUEL OIL
**MATERIAL CLASS:** PETROLEUM

**AMOUNT SPILLED:** 100 G
**AMOUNT RECOVERED:** 0 G

**CAUSE OF SPILL:** TANK OVERFILL
**RESOURCE AFFECTED:** ON LAND
**WATERBODY AFFECTED:**
**SOURCE OF SPILL:** COMMERCIAL/INDUSTRIAL
**REPORTED BY:** OTHER
**CALLER REMARKS:**
HISTORICAL SPILL FROM TANK OVERFILL THAT HAS TAKEN PLACE OVER LONG PERIOD OF TIME-CLEAN UP SHOULD BE COMPLETE BY TOMORROW.

**REGION:** 5 **UST TRUST?** F

**SPILL INVESTIGATOR:** SL
**SPILL CONTACT:** KEN SEVILLE **TELEPHONE:** (518) 747-3050

**SPILLER:** WRIGHT MALTA CORP
**ADDRESS:** PLAINS RD
BALLSTON SPA , NY 12020-
**SPILLER CONTACT:** RAY CASIAK JR **TELEPHONE:** (518) 899-2227

**CALLER:**
**AGENCY:**
**TELEPHONE:**

**NOTIFIER:**
**AGENCY:**
**TELEPHONE:**

**LAST DEC UPDATE:** 07/03/00
**DOES CLEAN UP MEET STANDARDS?** F

**CLOSE DATE:** 06/27/00
**PENALTY RECOMMENDED?** F

**DEC REMARKS:**
- AK SPILL DISCOVERED WHEN UNCOVERING A 4,000-GALLON #2 FUEL OIL TANK (TANK T-14). THE CAUSE OF SPILL WAS DETERMINED TO BE PAST OVERFILLING OF THE TANK. 10/19/98: APPROXIMATELY 40 TONS OF CONTAMINATED SOIL WAS EXCAVATED AND DISPOSED OF AT ESMI. CONFIRMATORY SAMPLES TAKEN IN PIT; RESULTS BELOW TCLP ALTERNATIVE GUIDANCE VALUES. 06/27/00: NO FURTHER ACTION NECESSARY AT THIS TIME.

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 15 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | MALTA ROCKET FUEL AREA - BUILDING 20 | **REV:** | 1/1/02 |
| **ADDRESS:** | 20 PLAINS ROAD | **ID1:** | PBS5-500593 |
| | MALTA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | ADMINISTRATIVELY CLOSED |
| **CONTACT:** | MECHANICAL TECHNOLOGY, INC. | **PHONE:** | (518) 899-2979 |

**PETROLEUM BULK STORAGE FACILITY INFORMATION**

**TYPE OF SITE:** OTHER
**TOTAL ACTIVE TANKS ON SITE:** 0
**TOTAL FACILITY CAPACITY:** 0 GALLONS
**OLD PBS NUMBER:** **CBS NUMBER:** **SPDES NUMBER:** 0-230090
**ADDITIONAL ADDRESS INFO:**

**TYPE OF OWNER:** STATE GOVERNMENT
**OWNER SUB TYPE:** OTHER
**OWNER ADDRESS:** 2 ROCKEFELLER PLAZA
ALBANY NY 12223
**PHONE:** (518) 465-6251

**EMERGENCY CONTACT:** CHARLES PRISCO
**PHONE:** (518) 584-4239

**MAILING NAME:** NYS ENERGY RESEARCH & DEVEL.
**ADDRESS:** 2 ROCKEFELLER PLAZA
ALBANY NY 12223
**ATTENTION:** ROBERT CALLENDER
**PHONE:** (518) 465-6251

**CERTIFICATE DATE:** 7/6/95 **EXP. DATE:** 2/8/00
**RENEWAL DATE:** 4/1/94

**TANK INFORMATION**

**TANK NUMBER:** 001 **TANK STATUS:** CLOSED PRIOR TO 04/91 (IT IS EITHER IN PLACE OR REMOVED)
**INSTALLED:** **CLOSED:**
**TANK CAPACITY:** 550 GALLONS
**PRODUCT:** # 1, 2, OR 4 FUEL OIL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:**
**EXTERNAL PROTECTION:**
**PIPE TYPE:** STEEL/IRON
**PIPE LOCATION:**
**INTERNAL PROTECTION:**
**EXTERNAL PROTECTION:**
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:**
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**

*- Continued on next page -*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 15 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | MALTA ROCKET FUEL AREA - BUILDING 20 | **REV:** | 1/1/02 |
| **ADDRESS:** | 20 PLAINS ROAD | **ID1:** | PBS5-500593 |
| | MALTA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | ADMINISTRATIVELY CLOSED |
| **CONTACT:** | MECHANICAL TECHNOLOGY, INC. | **PHONE:** | (518) 899-2979 |

**TEST METHOD:**

**TANK NUMBER:** 002 **TANK STATUS:** CLOSED PRIOR TO 04/91 (IT IS EITHER IN PLACE OR REMOVED)
**INSTALLED:** 1/1/78 **CLOSED:**
**TANK CAPACITY:** 4000 GALLONS
**PRODUCT:** # 1, 2, OR 4 FUEL OIL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:**
**EXTERNAL PROTECTION:**
**PIPE TYPE:** STEEL/IRON
**PIPE LOCATION:**
**INTERNAL PROTECTION:**
**EXTERNAL PROTECTION:**
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** PRODUCT LEVEL GAUGE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 003 **TANK STATUS:** CLOSED PRIOR TO 04/91 (IT IS EITHER IN PLACE OR REMOVED)
**INSTALLED:** **CLOSED:**
**TANK CAPACITY:** 5000 GALLONS
**PRODUCT:** # 1, 2, OR 4 FUEL OIL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:**
**EXTERNAL PROTECTION:**
**PIPE TYPE:** STEEL/IRON
**PIPE LOCATION:**
**INTERNAL PROTECTION:**
**EXTERNAL PROTECTION:**
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** PRODUCT LEVEL GAUGE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 006 **TANK STATUS:** ADMINISTRATIVELY CLOSED
**INSTALLED:** 12/1/90 **CLOSED:** 12/1/99
**TANK CAPACITY:** 5000 GALLONS

*- Continued on next page -*

# *Environmental FirstSearch*
# *Site Detail Report*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 15 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | MALTA ROCKET FUEL AREA - BUILDING 20 | **REV:** | 1/1/02 |
| **ADDRESS:** | 20 PLAINS ROAD | **ID1:** | PBS5-500593 |
| | MALTA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | ADMINISTRATIVELY CLOSED |
| **CONTACT:** | MECHANICAL TECHNOLOGY, INC. | **PHONE:** | (518) 899-2979 |

| | |
|---|---|
| **PRODUCT:** | # 1, 2, OR 4 FUEL OIL |
| **TANK TYPE:** | STEEL/CARBON STEEL |
| **TANK LOCATION:** | ABOVEGROUND |
| **INTERNAL PROTECTION:** | NONE |
| **EXTERNAL PROTECTION:** | NONE |
| **PIPE TYPE:** | STEEL/IRON |
| **PIPE LOCATION:** | |
| **INTERNAL PROTECTION:** | NONE |
| **EXTERNAL PROTECTION:** | WRAPPED (PIPING) |
| **SECONDARY CONTAINMENT:** | VAULT |
| **LEAK DETECTION:** | NONE |
| **OVERFILL PROTECTION:** | PRODUCT LEVEL GAUGE |
| **DISPENSER:** | SUCTION |
| **DATE TESTED:** | |
| **NEXT TEST:** | |
| **TEST METHOD:** | |

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 16 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | WRIGHT-MALTA CORP. | **REV:** | 1/1/02 |
| **ADDRESS:** | PLAINS ROAD | **ID1:** | PBS5-600006 |
| | BALLSTON SPA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | ACTIVE PBS FACILITY |
| **CONTACT:** | WRIGHT-MALTA CORP. | **PHONE:** | (518) 899-2227 |

**PETROLEUM BULK STORAGE FACILITY INFORMATION**

**TYPE OF SITE:** MANUFACTURING
**TOTAL ACTIVE TANKS ON SITE:** 1
**TOTAL FACILITY CAPACITY:** 5000 GALLONS
**OLD PBS NUMBER:** **CBS NUMBER:** **SPDES NUMBER:**
**ADDITIONAL ADDRESS INFO:**

**TYPE OF OWNER:** CORPORATE/COMMERCIAL
**OWNER SUB TYPE:**
**OWNER ADDRESS:** PLAINS ROAD
BALLSTON SPA NY 12020
**PHONE:** (518) 899-2227

**EMERGENCY CONTACT:** R. KAZYAKA
**PHONE:** (518) 899-4833

**MAILING NAME:** WRIGHT-MALTA CORP.
**ADDRESS:** MALTA TEST STATION
BALLSTON SPA NY 12020
**ATTENTION:** MR. R. KAZYAKA
**PHONE:** (518) 899-2227

**CERTIFICATE DATE:** 3/23/01 **EXP. DATE:** 4/18/06
**RENEWAL DATE:** 4/22/96

**TANK INFORMATION**

**TANK NUMBER:** 005 **TANK STATUS:** TANK CONVERTED TO NON-REGULATED USE
**INSTALLED:** **CLOSED:** 8/1/96
**TANK CAPACITY:** 550 GALLONS
**PRODUCT:** # 1, 2, OR 4 FUEL OIL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**

***- Continued on next page -***

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 16 **DIST/DIR:** 0.00 -- **MAP ID:** 2

**NAME:** WRIGHT-MALTA CORP.
**ADDRESS:** PLAINS ROAD
BALLSTON SPA NY 12020
SARATOGA
**CONTACT:** WRIGHT-MALTA CORP.

**REV:** 1/1/02
**ID1:** PBS5-600006
**ID2:**
**STATUS:** ACTIVE PBS FACILITY
**PHONE:** (518) 899-2227

**TEST METHOD:**

**TANK NUMBER:** 007 **TANK STATUS:** TANK CONVERTED TO NON-REGULATED USE
**INSTALLED:** **CLOSED:** 8/1/96
**TANK CAPACITY:** 550 GALLONS
**PRODUCT:** # 1, 2, OR 4 FUEL OIL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 010 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 3/1/92
**TANK CAPACITY:** 350 GALLONS
**PRODUCT:** DIESEL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** ABOVEGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** ABOVEGROUND/UNDERGROUND COMBINATION
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** NONE
**SECONDARY CONTAINMENT:** EARTHEN DIKE
**LEAK DETECTION:** IN-TANK SYSTEM
**OVERFILL PROTECTION:** NONE
**DISPENSER:** GRAVITY
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 011 **TANK STATUS:** TANK CONVERTED TO NON-REGULATED USE
**INSTALLED:** **CLOSED:** 8/1/96
**TANK CAPACITY:** 550 GALLONS

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**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 16 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | WRIGHT-MALTA CORP. | **REV:** | 1/1/02 |
| **ADDRESS:** | PLAINS ROAD | **ID1:** | PBS5-600006 |
| | BALLSTON SPA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | ACTIVE PBS FACILITY |
| **CONTACT:** | WRIGHT-MALTA CORP. | **PHONE:** | (518) 899-2227 |

**PRODUCT:** # 1, 2, OR 4 FUEL OIL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 013 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 9/1/98
**TANK CAPACITY:** 10000 GALLONS
**PRODUCT:** # 1, 2, OR 4 FUEL OIL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** ABOVEGROUND/UNDERGROUND COMBINATION
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** NONE
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** IN-TANK SYSTEM
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 014 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 9/1/98
**TANK CAPACITY:** 4000 GALLONS
**PRODUCT:** # 1, 2, OR 4 FUEL OIL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING

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**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 16 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | WRIGHT-MALTA CORP. | **REV:** | 1/1/02 |
| **ADDRESS:** | PLAINS ROAD | **ID1:** | PBS5-600006 |
| | BALLSTON SPA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | ACTIVE PBS FACILITY |
| **CONTACT:** | WRIGHT-MALTA CORP. | **PHONE:** | (518) 899-2227 |

**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** NONE
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** IN-TANK SYSTEM
**OVERFILL PROTECTION:** NONE
**DISPENSER:** GRAVITY
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 018 **TANK STATUS:** TANK CONVERTED TO NON-REGULATED USE
**INSTALLED:** **CLOSED:** 8/1/96
**TANK CAPACITY:** 550 GALLONS
**PRODUCT:** # 1, 2, OR 4 FUEL OIL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 021 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 9/1/98
**TANK CAPACITY:** 5000 GALLONS
**PRODUCT:** # 1, 2, OR 4 FUEL OIL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** NONE
**SECONDARY CONTAINMENT:** NONE

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**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 16 **DIST/DIR:** 0.00 -- **MAP ID:** 2

**NAME:** WRIGHT-MALTA CORP.
**ADDRESS:** PLAINS ROAD
BALLSTON SPA NY 12020
SARATOGA
**CONTACT:** WRIGHT-MALTA CORP.

**REV:** 1/1/02
**ID1:** PBS5-600006
**ID2:**
**STATUS:** ACTIVE PBS FACILITY
**PHONE:** (518) 899-2227

**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 023 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 9/1/98
**TANK CAPACITY:** 3000 GALLONS
**PRODUCT:** UNLEADED GASOLINE

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** NONE
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 024 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 9/1/98
**TANK CAPACITY:** 2000 GALLONS
**PRODUCT:** EMPTY

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

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**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 16 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | WRIGHT-MALTA CORP. | **REV:** | 1/1/02 |
| **ADDRESS:** | PLAINS ROAD | **ID1:** | PBS5-600006 |
| | BALLSTON SPA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | ACTIVE PBS FACILITY |
| **CONTACT:** | WRIGHT-MALTA CORP. | **PHONE:** | (518) 899-2227 |

| | | | |
|---|---|---|---|
| **TANK NUMBER:** | 025 | **TANK STATUS:** | CLOSED - REMOVED |
| **INSTALLED:** | | **CLOSED:** | 9/1/98 |
| **TANK CAPACITY:** | 10000 GALLONS | | |
| **PRODUCT:** | # 1, 2, OR 4 FUEL OIL | | |
| **TANK TYPE:** | STEEL/CARBON STEEL | | |
| **TANK LOCATION:** | UNDERGROUND | | |
| **INTERNAL PROTECTION:** | NONE | | |
| **EXTERNAL PROTECTION:** | PAINTED/ASPHALT COATING | | |
| **PIPE TYPE:** | GALVANIZED STEEL | | |
| **PIPE LOCATION:** | UNDERGROUND | | |
| **INTERNAL PROTECTION:** | NONE | | |
| **EXTERNAL PROTECTION:** | NONE | | |
| **SECONDARY CONTAINMENT:** | NONE | | |
| **LEAK DETECTION:** | NONE | | |
| **OVERFILL PROTECTION:** | NONE | | |
| **DISPENSER:** | SUCTION | | |
| **DATE TESTED:** | | | |
| **NEXT TEST:** | | | |
| **TEST METHOD:** | | | |

| | | | |
|---|---|---|---|
| **TANK NUMBER:** | 026 | **TANK STATUS:** | CLOSED - REMOVED |
| **INSTALLED:** | | **CLOSED:** | 9/1/98 |
| **TANK CAPACITY:** | 10000 GALLONS | | |
| **PRODUCT:** | # 1, 2, OR 4 FUEL OIL | | |
| **TANK TYPE:** | STEEL/CARBON STEEL | | |
| **TANK LOCATION:** | UNDERGROUND | | |
| **INTERNAL PROTECTION:** | NONE | | |
| **EXTERNAL PROTECTION:** | PAINTED/ASPHALT COATING | | |
| **PIPE TYPE:** | GALVANIZED STEEL | | |
| **PIPE LOCATION:** | UNDERGROUND | | |
| **INTERNAL PROTECTION:** | NONE | | |
| **EXTERNAL PROTECTION:** | NONE | | |
| **SECONDARY CONTAINMENT:** | NONE | | |
| **LEAK DETECTION:** | NONE | | |
| **OVERFILL PROTECTION:** | NONE | | |
| **DISPENSER:** | SUCTION | | |
| **DATE TESTED:** | | | |
| **NEXT TEST:** | | | |
| **TEST METHOD:** | | | |

| | | | |
|---|---|---|---|
| **TANK NUMBER:** | 027 | **TANK STATUS:** | CLOSED - REMOVED |
| **INSTALLED:** | | **CLOSED:** | 9/1/98 |
| **TANK CAPACITY:** | 10000 GALLONS | | |
| **PRODUCT:** | # 1, 2, OR 4 FUEL OIL | | |
| **TANK TYPE:** | STEEL/CARBON STEEL | | |

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**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 16 **DIST/DIR:** 0.00 -- **MAP ID:** 2

**NAME:** WRIGHT-MALTA CORP.
**ADDRESS:** PLAINS ROAD
BALLSTON SPA NY 12020
SARATOGA
**CONTACT:** WRIGHT-MALTA CORP.

**REV:** 1/1/02
**ID1:** PBS5-600006
**ID2:**
**STATUS:** ACTIVE PBS FACILITY
**PHONE:** (518) 899-2227

**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** NONE
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 028 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 3/1/92
**TANK CAPACITY:** 4000 GALLONS
**PRODUCT:** # 1, 2, OR 4 FUEL OIL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** ABOVEGROUND ON SADDLES, LEGS, STILTS, RACK, OR CRADLE
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** NONE
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** IN-TANK SYSTEM
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 030 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 9/1/98
**TANK CAPACITY:** 10000 GALLONS
**PRODUCT:** EMPTY

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE

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**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 16 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | WRIGHT-MALTA CORP. | **REV:** | 1/1/02 |
| **ADDRESS:** | PLAINS ROAD | **ID1:** | PBS5-600006 |
| | BALLSTON SPA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | ACTIVE PBS FACILITY |
| **CONTACT:** | WRIGHT-MALTA CORP. | **PHONE:** | (518) 899-2227 |

**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 104 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 3/1/92
**TANK CAPACITY:** 500 GALLONS
**PRODUCT:** KEROSENE

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** ABOVEGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** NONE
**PIPE LOCATION:** NONE
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** NONE
**SECONDARY CONTAINMENT:** EARTHEN DIKE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** PRODUCT LEVEL GAUGE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 107 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 9/1/98
**TANK CAPACITY:** 3000 GALLONS
**PRODUCT:** EMPTY

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**

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**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 16 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | WRIGHT-MALTA CORP. | **REV:** | 1/1/02 |
| **ADDRESS:** | PLAINS ROAD | **ID1:** | PBS5-600006 |
| | BALLSTON SPA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | ACTIVE PBS FACILITY |
| **CONTACT:** | WRIGHT-MALTA CORP. | **PHONE:** | (518) 899-2227 |

**NEXT TEST:**
**TEST METHOD:**

| | | | |
|---|---|---|---|
| **TANK NUMBER:** | 110 | **TANK STATUS:** | CLOSED - REMOVED |
| **INSTALLED:** | | **CLOSED:** | 11/1/98 |
| **TANK CAPACITY:** | 550 GALLONS | | |
| **PRODUCT:** | DIESEL | | |
| **TANK TYPE:** | STEEL/CARBON STEEL | | |
| **TANK LOCATION:** | ABOVEGROUND | | |
| **INTERNAL PROTECTION:** | NONE | | |
| **EXTERNAL PROTECTION:** | PAINTED/ASPHALT COATING | | |
| **PIPE TYPE:** | GALVANIZED STEEL | | |
| **PIPE LOCATION:** | UNDERGROUND | | |
| **INTERNAL PROTECTION:** | NONE | | |
| **EXTERNAL PROTECTION:** | PAINTED/ASPHALT COATING | | |
| **SECONDARY CONTAINMENT:** | NONE | | |
| **LEAK DETECTION:** | NONE | | |
| **OVERFILL PROTECTION:** | NONE | | |
| **DISPENSER:** | SUCTION | | |
| **DATE TESTED:** | | | |
| **NEXT TEST:** | | | |
| **TEST METHOD:** | | | |

| | | | |
|---|---|---|---|
| **TANK NUMBER:** | 111 | **TANK STATUS:** | CLOSED - REMOVED |
| **INSTALLED:** | | **CLOSED:** | 9/1/98 |
| **TANK CAPACITY:** | 3000 GALLONS | | |
| **PRODUCT:** | EMPTY | | |
| **TANK TYPE:** | STEEL/CARBON STEEL | | |
| **TANK LOCATION:** | UNDERGROUND | | |
| **INTERNAL PROTECTION:** | NONE | | |
| **EXTERNAL PROTECTION:** | PAINTED/ASPHALT COATING | | |
| **PIPE TYPE:** | GALVANIZED STEEL | | |
| **PIPE LOCATION:** | UNDERGROUND | | |
| **INTERNAL PROTECTION:** | NONE | | |
| **EXTERNAL PROTECTION:** | PAINTED/ASPHALT COATING | | |
| **SECONDARY CONTAINMENT:** | NONE | | |
| **LEAK DETECTION:** | NONE | | |
| **OVERFILL PROTECTION:** | NONE | | |
| **DISPENSER:** | SUCTION | | |
| **DATE TESTED:** | | | |
| **NEXT TEST:** | | | |
| **TEST METHOD:** | | | |

| | | | |
|---|---|---|---|
| **TANK NUMBER:** | 113 | **TANK STATUS:** | TANK CONVERTED TO NON-REGULATED USE |
| **INSTALLED:** | | **CLOSED:** | 8/1/96 |
| **TANK CAPACITY:** | 1000 GALLONS | | |

***- Continued on next page -***

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 16 **DIST/DIR:** 0.00 -- **MAP ID:** 2

**NAME:** WRIGHT-MALTA CORP.
**ADDRESS:** PLAINS ROAD
BALLSTON SPA NY 12020
SARATOGA
**CONTACT:** WRIGHT-MALTA CORP.

**REV:** 1/1/02
**ID1:** PBS5-600006
**ID2:**
**STATUS:** ACTIVE PBS FACILITY
**PHONE:** (518) 899-2227

**PRODUCT:** # 1, 2, OR 4 FUEL OIL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 123 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 9/1/98
**TANK CAPACITY:** 4000 GALLONS
**PRODUCT:** EMPTY

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 128 **TANK STATUS:** TANK CONVERTED TO NON-REGULATED USE
**INSTALLED:** **CLOSED:** 8/1/96
**TANK CAPACITY:** 550 GALLONS
**PRODUCT:** # 1, 2, OR 4 FUEL OIL

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING

*- Continued on next page -*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 16 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | WRIGHT-MALTA CORP. | **REV:** | 1/1/02 |
| **ADDRESS:** | PLAINS ROAD | **ID1:** | PBS5-600006 |
| | BALLSTON SPA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | ACTIVE PBS FACILITY |
| **CONTACT:** | WRIGHT-MALTA CORP. | **PHONE:** | (518) 899-2227 |

| | |
|---|---|
| **PIPE TYPE:** | GALVANIZED STEEL |
| **PIPE LOCATION:** | UNDERGROUND |
| **INTERNAL PROTECTION:** | NONE |
| **EXTERNAL PROTECTION:** | PAINTED/ASPHALT COATING |
| **SECONDARY CONTAINMENT:** | NONE |
| **LEAK DETECTION:** | NONE |
| **OVERFILL PROTECTION:** | NONE |
| **DISPENSER:** | SUCTION |
| **DATE TESTED:** | |
| **NEXT TEST:** | |
| **TEST METHOD:** | |

**TANK NUMBER:** 130 **TANK STATUS:** TANK CONVERTED TO NON-REGULATED USE
**INSTALLED:** **CLOSED:** 8/1/96
**TANK CAPACITY:** 500 GALLONS
**PRODUCT:** # 1, 2, OR 4 FUEL OIL

| | |
|---|---|
| **TANK TYPE:** | STEEL/CARBON STEEL |
| **TANK LOCATION:** | UNDERGROUND |
| **INTERNAL PROTECTION:** | NONE |
| **EXTERNAL PROTECTION:** | PAINTED/ASPHALT COATING |
| **PIPE TYPE:** | GALVANIZED STEEL |
| **PIPE LOCATION:** | UNDERGROUND |
| **INTERNAL PROTECTION:** | NONE |
| **EXTERNAL PROTECTION:** | PAINTED/ASPHALT COATING |
| **SECONDARY CONTAINMENT:** | NONE |
| **LEAK DETECTION:** | NONE |
| **OVERFILL PROTECTION:** | NONE |
| **DISPENSER:** | SUCTION |
| **DATE TESTED:** | |
| **NEXT TEST:** | |
| **TEST METHOD:** | |

**TANK NUMBER:** 204 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 3/1/92
**TANK CAPACITY:** 3000 GALLONS
**PRODUCT:** EMPTY

| | |
|---|---|
| **TANK TYPE:** | STEEL/CARBON STEEL |
| **TANK LOCATION:** | ABOVEGROUND |
| **INTERNAL PROTECTION:** | NONE |
| **EXTERNAL PROTECTION:** | PAINTED/ASPHALT COATING |
| **PIPE TYPE:** | NONE |
| **PIPE LOCATION:** | NONE |
| **INTERNAL PROTECTION:** | NONE |
| **EXTERNAL PROTECTION:** | NONE |
| **SECONDARY CONTAINMENT:** | EARTHEN DIKE |

*- Continued on next page -*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 16 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | WRIGHT-MALTA CORP. | **REV:** | 1/1/02 |
| **ADDRESS:** | PLAINS ROAD | **IDI:** | PBS5-600006 |
| | BALLSTON SPA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | ACTIVE PBS FACILITY |
| **CONTACT:** | WRIGHT-MALTA CORP. | **PHONE:** | (518) 899-2227 |

**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** PRODUCT LEVEL GAUGE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 228 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 9/1/98
**TANK CAPACITY:** 6000 GALLONS
**PRODUCT:** EMPTY

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

**TANK NUMBER:** 230 **TANK STATUS:** CLOSED - REMOVED
**INSTALLED:** **CLOSED:** 9/1/98
**TANK CAPACITY:** 500 GALLONS
**PRODUCT:** EMPTY

**TANK TYPE:** STEEL/CARBON STEEL
**TANK LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**PIPE TYPE:** GALVANIZED STEEL
**PIPE LOCATION:** UNDERGROUND
**INTERNAL PROTECTION:** NONE
**EXTERNAL PROTECTION:** PAINTED/ASPHALT COATING
**SECONDARY CONTAINMENT:** NONE
**LEAK DETECTION:** NONE
**OVERFILL PROTECTION:** NONE
**DISPENSER:** SUCTION
**DATE TESTED:**
**NEXT TEST:**
**TEST METHOD:**

*- Continued on next page -*

**TARGET SITE:** 40 TEST STATION ROAD
BALLSTON SPA NY 12020

**JOB:** 02.8049

## REGISTERED UNDERGROUND STORAGE TANKS

**SEARCH ID:** 16 **DIST/DIR:** 0.00 -- **MAP ID:** 2

| | | | |
|---|---|---|---|
| **NAME:** | WRIGHT-MALTA CORP. | **REV:** | 1/1/02 |
| **ADDRESS:** | PLAINS ROAD | **ID1:** | PBS5-600006 |
| | BALLSTON SPA NY 12020 | **ID2:** | |
| | SARATOGA | **STATUS:** | ACTIVE PBS FACILITY |
| **CONTACT:** | WRIGHT-MALTA CORP. | **PHONE:** | (518) 899-2227 |

| | | | |
|---|---|---|---|
| **TANK NUMBER:** | 328 | **TANK STATUS:** | CLOSED - REMOVED |
| **INSTALLED:** | | **CLOSED:** | 9/1/98 |
| **TANK CAPACITY:** | 6000 GALLONS | | |
| **PRODUCT:** | EMPTY | | |
| **TANK TYPE:** | STEEL/CARBON STEEL | | |
| **TANK LOCATION:** | UNDERGROUND | | |
| **INTERNAL PROTECTION:** | NONE | | |
| **EXTERNAL PROTECTION:** | PAINTED/ASPHALT COATING | | |
| **PIPE TYPE:** | GALVANIZED STEEL | | |
| **PIPE LOCATION:** | UNDERGROUND | | |
| **INTERNAL PROTECTION:** | NONE | | |
| **EXTERNAL PROTECTION:** | PAINTED/ASPHALT COATING | | |
| **SECONDARY CONTAINMENT:** | NONE | | |
| **LEAK DETECTION:** | NONE | | |
| **OVERFILL PROTECTION:** | NONE | | |
| **DISPENSER:** | SUCTION | | |
| **DATE TESTED:** | | | |
| **NEXT TEST:** | | | |
| **TEST METHOD:** | | | |

| | | | |
|---|---|---|---|
| **TANK NUMBER:** | 500 | **TANK STATUS:** | CLOSED - REMOVED |
| **INSTALLED:** | 9/1/98 | **CLOSED:** | 2/1/99 |
| **TANK CAPACITY:** | 500 GALLONS | | |
| **PRODUCT:** | UNLEADED GASOLINE | | |
| **TANK TYPE:** | STEEL/CARBON STEEL | | |
| **TANK LOCATION:** | ABOVEGROUND ON SADDLES, LEGS, STILTS, RACK, OR CRADLE | | |
| **INTERNAL PROTECTION:** | NONE | | |
| **EXTERNAL PROTECTION:** | PAINTED/ASPHALT COATING | | |
| **PIPE TYPE:** | GALVANIZED STEEL | | |
| **PIPE LOCATION:** | ABOVE GROUND | | |
| **INTERNAL PROTECTION:** | NONE | | |
| **EXTERNAL PROTECTION:** | NONE | | |
| **SECONDARY CONTAINMENT:** | DOUBLE-WALLED TANK | | |
| **LEAK DETECTION:** | INTERSTITIAL MONITORING | | |
| **OVERFILL PROTECTION:** | PRODUCT LEVEL GAUGE | | |
| **DISPENSER:** | SUCTION | | |
| **DATE TESTED:** | | | |
| **NEXT TEST:** | | | |
| **TEST METHOD:** | | | |

| | | | |
|---|---|---|---|
| **TANK NUMBER:** | 600 | **TANK STATUS:** | TEMPORARILY OUT OF SERVICE |
| **INSTALLED:** | 12/1/90 | **CLOSED:** | |
| **TANK CAPACITY:** | 5000 GALLONS | | |
| **PRODUCT:** | EMPTY | | |
| **TANK TYPE:** | STEEL/CARBON STEEL | | |

# Environmental FirstSearch
# Federal Databases and Sources

## ASTM Databases:

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

*Updated quarterly.*

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

*Updated quarterly.*

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

*Updated quarterly.*

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

*Updated semi-annually.*

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

*Updated quarterly.*

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

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

## ASTM Databases (continued):

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

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

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

*All RCRA databases are Updated quarterly*

# Environmental FirstSearch
# Federal Databases and Sources

## Non-ASTM Databases:

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

*Updated quarterly.*

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

*Updated quarterly*

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

*Updated semi-annually.*

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

*Updated Periodically*

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

*Updated Periodically*

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

*Updated semi-annually.*

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

*Updated Periodically*

## Non-ASTM Databases (continued):

**RELEASES:** ***Air and Surface Water Releases.*** A subset of the EPA's ERNS database which have impacted only air or surface water.

*Updated semi-annually.*

**Soils:** This database includes the State Soil Geographic (STATSGO) data for the conterminous United States. It contains information regarding soil characteristics such as water capacity, percent clay, organic material, permeability, thickness of layers, hydrological characteristics, quality of drainage, surface, slope, liquid limit, and the annual frequency of flooding. Source: United States Geographical Survey (USGS).

*Updated quarterly*

**TRIS:** ***Toxic Release Inventory System.*** The EPA's database of all facilities that have had or may be prone to toxic material releases. Source: Environmental Protection Agency.

*Updated semi-annually.*

# Environmental FirstSearch
# New York Databases and Sources

1. **State Sites:** The New York State Department of Environmental Conservation's Registry of Inactive Hazardous Waste Disposal Sites. The database contains information on all Class 1, Class 2, Class 2a, Class 3, Class 4, and Class 5 locations maintained by the Division of Hazardous Waste Remediation.

   *Updated quarterly.*

   The Hazardous Substance Waste Disposal Site Study list maintained by the New York State Department of Environmental Conservation is also included within the State Sites database.

   *Updated as available.*

2. **Spills:** The New York State Department of Environmental Conservation's database of emergency response actions and spill releases maintained by the Division of Spills Management.

   *Updated quarterly.*

3. **Landfills:** The New York State Department of Environmental Conservation's Active Facilities Registry maintained by the Division of Solid and Hazardous Materials.

   *Updated annually.*

4. **UST:** The New York State Department of Environmental Conservation 's database of Petroleum Bulk Storage (PBS) facilities, Major Oil Storage Facilities (MOSF), and Chemical Bulk Storage (CBS) facilities maintained by the Division of Spills Management and delegated Counties (Nassau, Suffolk, Rockland, and Cortland Counties).

   *Updated quarterly.*

5. **PWS:** The State of New York Department of Health database of Public Water Supply (PWS) wells maintained by the Bureau of Public Water Supply.

   *Updated annually.*

6. **LUST:** The New York State Department of Environmental Conservation's database of Leaking Underground Storage Tanks (LUSTs) maintained by the Division of Spills Management. The database is derived from the Spills database.

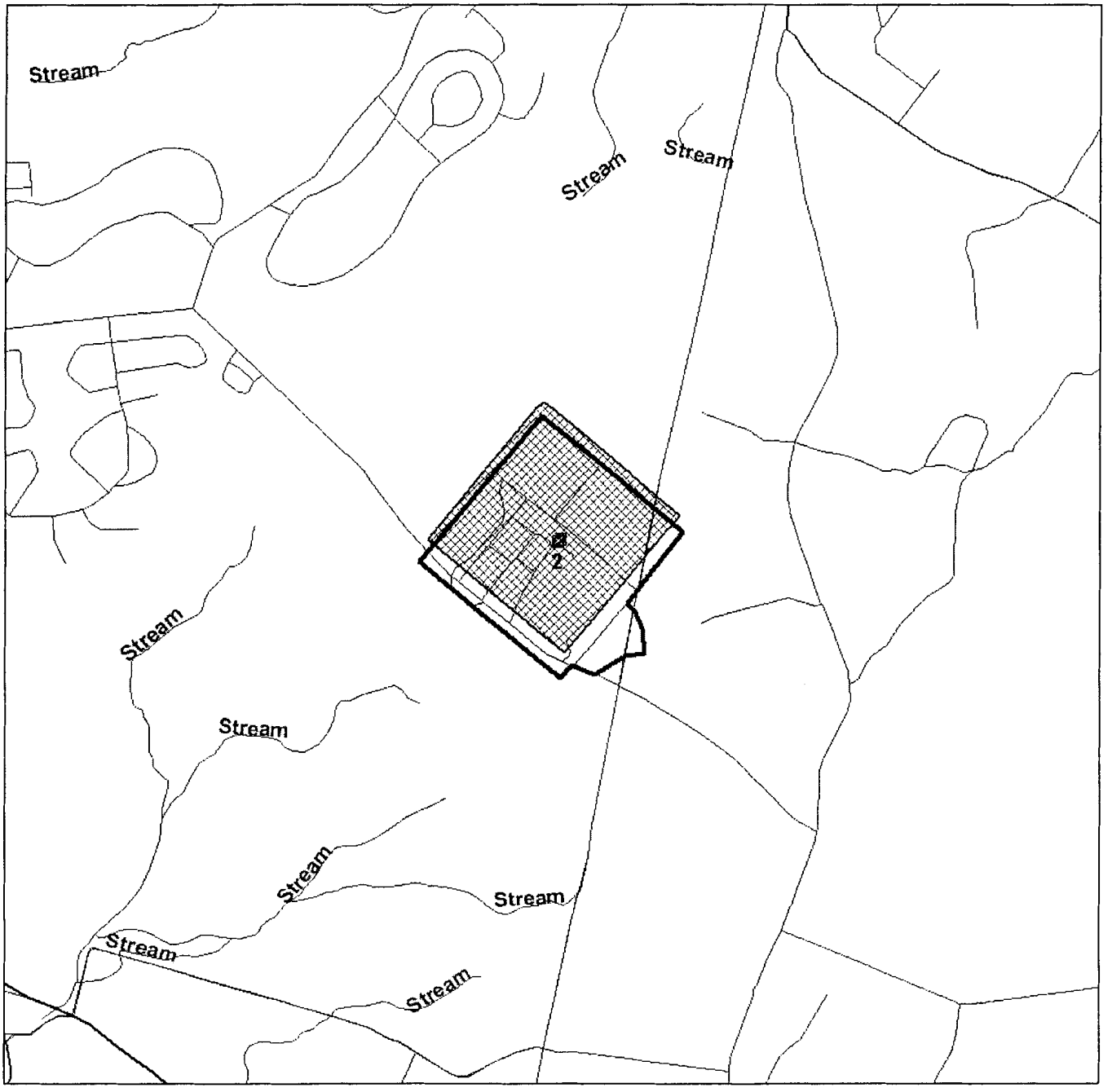
   *Updated quarterly.*

# Environmental FirstSearch

1 Mile Radius from Area

ASTM Map: NPL, RCRACOR, STATE Sites

## 40 TEST STATION ROAD, BALLSTON SPA NY 12020




*Source: 1999 U.S. Census TIGER Files*

Area Polygon .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

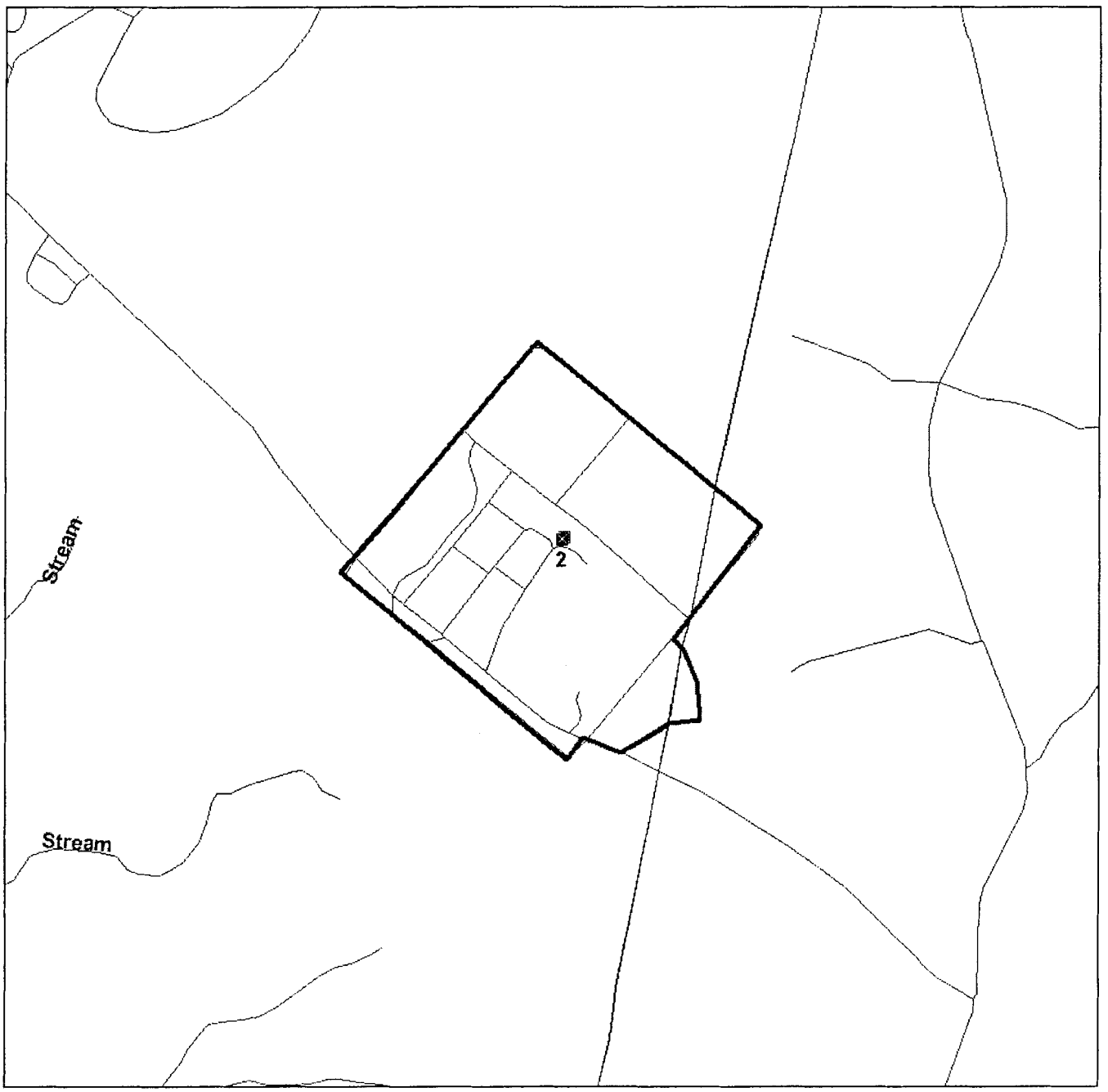
Black Rings Represent 1/4 Mile Radii; Red Ring Represents 500 ft. Radius

# Environmental FirstSearch

.5 Mile Radius from Area

ASTM Map: CERCLIS, RCRATSD, LUST, SWL

## 40 TEST STATION ROAD, BALLSTON SPA NY 12020




*Source: 1999 U.S. Census TIGER Files*

Area Polygon .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

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

# Environmental FirstSearch

.25 Mile Radius from Area

ASTM Map: RCRAGEN, ERNS, UST

## 40 TEST STATION ROAD, BALLSTON SPA NY 12020




*Source: 1999 U.S. Census TIGER Files*

Area Polygon .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

Railroads .....

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

# Environmental FirstSearch

.25 Mile Radius from Area

Non-ASTM Map: RCRANLR, Spills 90

## 40 TEST STATION ROAD, BALLSTON SPA NY 12020




*Source: 1999 U.S. Census TIGER Files*

Area Polygon .....

Identified Site, Multiple Sites, Receptor .....

NPL, Solid Waste Landfill (SWL) or Hazardous Waste .....

National Historic Sites and Landmark Sites .....

Railroads .....

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

# APPENDIX E

## List of Transformers

## Summary of Transformers/Capacitors at Wright-Malta

| Building | Quantity | Description |
|---|---|---|
| 14 (Exterior) | 1 | Pole mounted transformer |
| 14 (Basement) | 3 | Floor mounted transformers, appear to be dry type |
| | 2 | Floor mounted transformers, appear to be dry type |
| | | |
| 10 (Interior) | 8 | Floor mounted transformers |
| | | |
| 23 (Exterior) | 3 | Pad mounted transformers, within fenced area |
| | | |
| 13 (Exterior) | 2 | Pole mounted transformers |
| | 3 | Elevated transformers, between poles |
| | | |
| 20M (Exterior) | 1 | Pad mounted transformer, labeled non-PCB |
| | | |
| 20 (Exterior) | 1 | Pad mounted transformer |
| | | |
| 6 (Interior) | 3 | Transformers staged within building |
| | | |
| 4A (Interior) | 1 | Floor mounted transformer |
| | | |
| 24 (Exterior) | 3 | Pad mounted transformers, within fenced area |
| | 1 | Pad mounted transformers, within fenced area |
| | | |
| 25 (Exterior) | 3 | Pad mounted transformers, within fenced area |
| | | |
| 25A (Interior) | 8 | Wall mounted transformers |
| | | |
| 27A (Exterior) | 1 | Pole mounted transformers |
| | | |
| 7B (Exterior) | 1 | Pole mounted capacitor (across road from 7B) |
| | | |
| 1A (Exterior) | 1 | Pole mounted transformer (across Hermes Road from 1A) |
| | | |
| 27 (Exterior) | 1 | Pole mounted capacitor (across Hermes Road from 27) |

# APPENDIX F

## Material Inventory

# Wright-Malta Corporation

Prepared for: C.T Male Associates, P.C.

Lab Pack Chemicals Inventory

| Drum ID | Quantity | UOM | Chemical Name | Fullness | Waste Area |
|---|---|---|---|---|---|
| 1 | 1 | 250ml | DowCorning 704 Fluid (silicone) | Full | 14-Lab |
| 2 | 1 | 500ml | Potassium Phosphate Buffer | Full | 14-Lab |
| 3 | 1 | 500ml | Potassium Carbonate Buffer | Full | 14-Lab |
| 4 | 1 | 500ml | Potassium Biphthalate Buffer | Full | 14-Lab |
| 5 | 1 | 500ml | Sodium Hydroxide Soln 25% | Full | 14-Lab |
| 6 | 3 | 1L | Elemental Mercury | Full | 14-Lab |
| 7 | 5 | 1/2L | Elemental Mercury | Full | 14-Lab |
| 8 | 1 | 20ml | Elemental Mercury | Full | 14-Lab |
| 9 | 1 | 100ml | Sodium Hydroxide Soln 10% | Full | 14-Lab |
| 10 | 1 | 500ml | Rapicure (cyclohexane,1,4 Bis Vinyloxy methyl) | Full | 14-Lab |
| 11 | 1 | 2lb | Aerosol OT (dioctyl sodium sulfosuccinate) | Full | 14-Lab |
| 12 | 1 | 1lb | Mercury Contaminated Glassware | Full | 14-Lab |
| 13 | 2 | 1L | Household Ammonia | Full | 14-Lab |
| 14 | 1 | 20ml | Red Ink | Full | 14-Lab |
| 15 | 1 | 1pt | Glycerin | Full | 14-Lab |
| 16 | 1 | 1/2L | Eng-Sol Cleaning Solvent | Full | 14-Lab |
| 17 | 1 | 1/2L | G.E. Silicone Primer | Full | 14-Lab |
| 18 | 1 | 500gm | Sodium Hypophosphite | Full | 14-Lab |
| 19 | 1 | 500gm | Potassium Cyanide | Full | 14-Lab |
| 20 | 1 | 250gm | Barium Hydroxide | Full | 14-Lab |
| 21 | 1 | 1/2lb | Lithium Carbonate | Full | 14-Lab |
| 22 | 1 | 100ml | Diphenylsulfid | Full | 14-Lab |
| 23 | 1 | 1lb | Sodium Thiosulfate | Full | 14-Lab |
| 24 | 1 | 100gm | Sodium Borohydride | Full | 14-Lab |
| 25 | 4 | 50gm | Sodium Borohydride | Full | 14-Lab |
| 26 | 1 | 5lb | Activated Alumina | Full | 14-Lab |
| 27 | 1 | 25lb | Lead Acetate | Full | 14-Lab |
| 28 | 1 | 1/2lb | Aluminum Oxide | Full | 14-Lab |
| 29 | 1 | 10gm | Palladium Catalyst Powder | Full | 14-Lab |
| 30 | 1 | 100gm | Tin, mossy | Full | 14-Lab |
| 31 | 1 | 500gm | Sodium Nitrite | Full | 14-Lab |
| 32 | 1 | 100gm | Kodak Thioacetamide | Full | 14-Lab |
| 33 | 1 | 1lb | Sodium Sulfate | Full | 14-Lab |
| 34 | 1 | 1lb | Zinc Metal | Full | 14-Lab |
| 35 | 1 | 1lb | Selenium Metal | Full | 14-Lab |
| 36 | 1 | 1lb | 2-Anthraquinone sulfonic acid sodium salt | Full | 14-Lab |
| 37 | 1 | 1/4lb | Cadmium Chloride, anhydrous | Full | 14-Lab |
| 38 | 1 | 100gm | Benzoin Oxime | Full | 14-Lab |

| | | | | | |
|---|---|---|---|---|---|
| 39 | 1 | 1lb | Ammonium iocyanate | Full | 14-Lab |
| 40 | 1 | 250gm | Zinc Phosphide | Full | 14-Lab |
| 41 | 1 | 1lb | Citric Acid | Full | 14-Lab |
| 42 | 1 | 10gm | (Dimethylamino Benzyldene)rhodamine | Full | 14-Lab |
| 43 | 1 | 1lb | Sodium Oxide | Full | 14-Lab |
| 44 | 1 | 50gm | Pyrogallic acid, crystals | Full | 14-Lab |
| 45 | 2 | 5lb | Chromium Trioxide | Full | 14-Lab |
| 46 | 4 | 4kg | p-Cresol | Full | 14-Lab |
| 47 | 3 | 500gm | Radelin phosphor | Full | 14-Lab |
| 48 | 1 | 2lb | Sodium Perchlorate | Full | 14-Lab |
| 49 | 18 | 1lb | Sodium Perchlorate | Full | 14-Lab |
| 50 | 1 | 1kg | Potassium Peroxodisulfate | Full | 14-Lab |
| 51 | 1 | 500ml | Methyl Red | Full | 14-Lab |
| 52 | 1 | 200gm | Isopropylthioxanthone | Full | 14-Lab |
| 53 | 1 | 200gm | Ethyl 4-Dimethylaminobenzoate | Full | 14-Lab |
| 54 | 1 | 1kg | Potassium iodide | Full | 14-Lab |
| 55 | 1 | 1lb | Sodium Hypophosphite | Full | 14-Lab |
| 56 | 2 | 1L | Phosphoric Acid, anhydride | Full | 14-Lab |
| 57 | 1 | 5lb | Naphthalene | Full | 14-Lab |
| 58 | 1 | 5lb | Potassium Hydroxide Crystals | Full | 14-Lab |
| 59 | 1 | 2lb | Phenyl Salicylate | Full | 14-Lab |
| 60 | 1 | 1lb | Ammonium Sulfate | Full | 14-Lab |
| 61 | 1 | 5lb | Potassium Carbonate | Full | 14-Lab |
| 62 | 1 | Lecture | Oxygen | Full | 14-Lab |
| 63 | 1 | 1L | Sodium Hydroxide Soln' 50% | Full | 14-Lab |
| 64 | 1 | 5 gal | Methyl Alcohol, anhydrous | 1/4 Full | 14-Lab |
| 65 | 1 | 10lb | Calcium Chloride, anhydrous(20mesh) | Full | 14-Lab |
| 66 | 2 | 500ml | Perchloric Acid N/10 (in Glacial Acetic) | Full | 14-Lab |
| 67 | 2 | 10ml | Silicone Grease | Full | 14-Lab |
| 68 | 1 | 1pt | Nicrobraz {molten metal flow stop(flammable)} | Full | 14-Lab |
| 69 | 1 | 1/2lb | Amberlite | Full | 14-Lab |
| 70 | 1 | 1 gal | Sulfuric Acid 5% | 1/2 Full | 14-Lab |
| 71 | 1 | 1 gal | Sulfuric Acid 90% | 1/2 Full | 14-Lab |
| 72 | 2 | 10ml | Stop Cock Grease | Full | 14-Lab |
| 73 | 1 | 1 gal | Bleach | 1/2 Full | 14-Lab |
| 74 | 1 | 1 gal | Hydrochloric Acid 37% Soln' | Full | 14-Lab |
| 75 | 1 | 1 gal | Nitric Acid <70% | 3/4 Full | 14-Lab |
| 76 | 1 | 1/2 lb | Fluoro Lube | Full | 14-Lab |
| 77 | 1 | 1pt | Glycerin | Full | 14-Lab |
| 78 | 1 | 1 gal | Industrial Cleaner | 1/2 Full | 14-Lab |
| 79 | 6 | 25gm | Platinum Catalyst Powder | Full | 14-Lab |
| 80 | 1 | 1kg | N-Octadecyl Alcohol | Full | 14-Lab |
| 81 | 7 | 100gm | Magnesium Metal 40-80 Mesh | Full | 14-Lab |
| 82 | 1 | 1lb | Urea | Full | 14-Lab |
| 83 | 1 | 1/4lb | Nickel Metal | Full | 14-Lab |
| 84 | 1 | 1lb | Tin Metal | Full | 14-Lab |

| | | | | | |
|---|---|---|---|---|---|
| 85 | 1 | 1lb | Nick[illegible]heet | Full | 14-Lab |
| 86 | 4 | 1lb | Lead Metal | Full | 14-Lab |
| 87 | 1 | 1lb | Sodium Potassium Tartrate | Full | 14-Lab |
| 88 | 1 | 1lb | Sodium Thiocyanate | Full | 14-Lab |
| 89 | 1 | 1lb | Tin Chloride | Full | 14-Lab |
| 90 | 1 | 1lb | Sodium Phosphate | Full | 14-Lab |
| 91 | 1 | 1lb | Sodium Oxalate | Full | 14-Lab |
| 92 | 1 | 1/4 lb | Stannous Chloride | Full | 14-Lab |
| 93 | 1 | 1lb | Sodium Fluoroborate | Full | 14-Lab |
| 94 | 1 | 1lb | Potassium Thiocyanate | Full | 14-Lab |
| 95 | 1 | 1lb | Potassium Sulfate | Full | 14-Lab |
| 96 | 1 | 1/4lb | Potassium Nitrate | Full | 14-Lab |
| 97 | 1 | 4 oz | Potassium Persulfate | Full | 14-Lab |
| 98 | 2 | 1/2lb | Potassium Iodate | Full | 14-Lab |
| 99 | 2 | 4 oz | Potassium Ferrocyanide | Full | 14-Lab |
| 100 | 1 | 1lb | Potassium Fluoroborate | Full | 14-Lab |
| 101 | 1 | 1lb | Potassium Chrome Alum | Full | 14-Lab |
| 102 | 1 | 1lb | Potassium Aluminum Sulfate | Full | 14-Lab |
| 103 | 2 | 1lb | Potassium Borate | Full | 14-Lab |
| 104 | 1 | 1/4lb | Nickel Oxide | Full | 14-Lab |
| 105 | 1 | 1/2lb | Nickel Chloride | Full | 14-Lab |
| 106 | 1 | 4 oz | Nickel Chloride | Full | 14-Lab |
| 107 | 1 | 4 oz | Mercurous Nitrate | Full | 14-Lab |
| 108 | 1 | 4 oz | Mercury Chloride | Full | 14-Lab |
| 109 | 1 | 1/2lb | Manganous Chloride | Full | 14-Lab |
| 110 | 1 | 1lb | Manganese Dioxide | Full | 14-Lab |
| 111 | 2 | 1lb | Magnesium Chloride | Full | 14-Lab |
| 112 | 1 | 1lb | Magnesium Arsenate Phosphor | Full | 14-Lab |
| 113 | 1 | 5lb | Sodium Dichromate | Full | 14-Lab |
| 114 | 1 | 100gm | Rubidium Chloride | Full | 14-Lab |
| 115 | 2 | 1lb | Sodium Fluoride | Full | 14-Lab |
| 116 | 1 | 4 oz | Sodium Ammonium Phosphate | Full | 14-Lab |
| 117 | 1 | 4 oz | Silver Oxide | Full | 14-Lab |
| 118 | 1 | 4 oz | Sodium Chromate | Full | 14-Lab |
| 119 | 1 | 1lb | Strontium Nitrate | Full | 14-Lab |
| 120 | 1 | 5lb | Tin Oxide | Full | 14-Lab |
| 121 | 1 | 5gm | Indium Metal | Full | 14-Lab |
| 122 | 1 | 1lb | Lead Metal | Full | 14-Lab |
| 123 | 1 | 1lb | Asarco Metal Rod | Full | 14-Lab |
| 124 | 1 | 5lb | Ferrous Sulfate | Full | 14-Lab |
| 125 | 2 | 5lb | Ammonium Citrate | Full | 14-Lab |
| 126 | 1 | 5lb | Cadmium Chloride | Full | 14-Lab |
| 127 | 1 | 5lb | Potassium Bromide | Full | 14-Lab |
| 128 | 1 | 5lb | Barium Chloride | Full | 14-Lab |
| 129 | 1 | 5lb | Sodium Hydrosulfite | Full | 14-Lab |
| 130 | 1 | 1lb | Sodium Hydrosulfite | Full | 14-Lab |

| | | | | | |
|---|---|---|---|---|---|
| 131 | 1 | 500gm | Potassium rocyanide | Full | 14-Lab |
| 132 | 3 | 100gm | Calcium Hydride | Full | 14-Lab |
| 133 | 1 | 500gm | Calcium Hydride | Full | 14-Lab |
| 134 | 1 | 5lb | Copper Cyanide | Full | 14-Lab |
| 135 | 1 | 1lb | Iron Nitrate | Full | 14-Lab |
| 136 | 2 | 4oz | Ferric Oxide | Full | 14-Lab |
| 137 | 1 | 4oz | Iron Chloride | Full | 14-Lab |
| 138 | 2 | 1/2lb | Ferric Sulfate | Full | 14-Lab |
| 139 | 1 | 1lb | Ferric Sulfate | Full | 14-Lab |
| 140 | 1 | 1lb | Ferric Sulfate | Full | 14-Lab |
| 141 | 2 | 5lb | Lead Acetate | Full | 14-Lab |
| 142 | 1 | 1lb | Lead Oxide, yellow | Full | 14-Lab |
| 143 | 4 | 1/4lb | Lithium Fluoride | Full | 14-Lab |
| 144 | 1 | 10lb | Lead Chromate | Full | 14-Lab |
| 145 | 1 | 50gm | Lithium Fluoroborate | Full | 14-Lab |
| 146 | 1 | 1/4lb | Lead Nitrate | Full | 14-Lab |
| 147 | 1 | 4oz | Lead Acetate | Full | 14-Lab |
| 148 | 1 | 1lb | Lead Nitrate | Full | 14-Lab |
| 149 | 1 | 1/2lb | Lead Dioxide | Full | 14-Lab |
| 150 | 1 | 1lb | Cupric Chloride | Full | 14-Lab |
| 151 | 1 | 4oz | Cupric Nitrate | Full | 14-Lab |
| 152 | 1 | 4oz | Cupric Oxide | Full | 14-Lab |
| 153 | 1 | 1lb | Cuprous Oxide | Full | 14-Lab |
| 154 | 1 | 1lb | Calcium Nitrate | Full | 14-Lab |
| 155 | 1 | 1lb | Copper Carbonate | Full | 14-Lab |
| 156 | 1 | 4oz | Chromic Nitrate | Full | 14-Lab |
| 157 | 1 | 250gm | Cellulose Tridecanoate | Full | 14-Lab |
| 158 | 1 | 4oz | Cobalt Powder | Full | 14-Lab |
| 159 | 1 | 1lb | Cadmium Powder | Full | 14-Lab |
| 160 | 1 | 4oz | Cadmium Nitrate | Full | 14-Lab |
| 161 | 1 | 1lb | Cadmium Nitrate crystals | Full | 14-Lab |
| 162 | 1 | 1/4lb | Cadmium Oxide | Full | 14-Lab |
| 163 | 1 | 1lb | Boric Acid | Full | 14-Lab |
| 164 | 1 | 1lb | Borax | Full | 14-Lab |
| 165 | 1 | 1/4lb | Barium Hydroxide | Full | 14-Lab |
| 166 | 1 | 1lb | Barium Nitrate | Full | 14-Lab |
| 167 | 1 | 1lb | Barium Hydroxide | Full | 14-Lab |
| 168 | 1 | 1/4lb | Barium Iodide | Full | 14-Lab |
| 169 | 1 | 1/4lb | Barium Chloride | Full | 14-Lab |
| 170 | 1 | 5lb | Ammonium Citrate | Full | 14-Lab |
| 171 | 1 | 4oz | Ammonium Molybdate | Full | 14-Lab |
| 172 | 1 | 1lb | Ammonium Dichromate | Full | 14-Lab |
| 173 | 1 | 1lb | Ammonium Nitrate | Full | 14-Lab |
| 174 | 1 | 1lb | Ammonium Phosphate | Full | 14-Lab |
| 175 | 1 | 1/4lb | Ammonium Sulfate | Full | 14-Lab |
| 176 | 1 | 1/4lb | Ammonium Oxalate | Full | 14-Lab |

| | | | | | |
|---|---|---|---|---|---|
| 177 | 1 | 1/4lb | Arseni oxide | Full | 14-Lab |
| 178 | 1 | 4oz | Ammonium Thiocyanate | Full | 14-Lab |
| 179 | 1 | 1lb | Refined Amorphous Boron | Full | 14-Lab |
| 180 | 1 | 5lb | Boric Acid | Full | 14-Lab |
| 181 | 1 | 1gal | Acetophenone | Full | 14-Lab |
| 182 | 1 | 5gal | Acetophenone | Full | 14-Lab |
| 183 | 2 | 1qt | Residue Peatmoss Run | Full | 14-Lab |
| 184 | 1 | 1qt | Hydraulic jack oil | Full | 14-Lab |
| 185 | 1 | 1lL | Silicone Oil | Full | 14-NorthEnd |
| 186 | 2 | 1pt | Grease | Full | 14-NorthEnd |
| 187 | 1 | 5gal | Vacuum Pump Oil | 1/4Full | 14-Basement |
| 188 | 1 | 1pt | Ozalid gear lube | Full | 14-NorthEnd |
| 189 | 1 | 1gal | D-19 Stock Reagent | Full | 14-NorthEnd |
| 190 | 1 | 1gal | Hysol Resin RB2038 (Amber) | Full | 14-NorthEnd |
| 191 | 2 | 1gal | Xylene | Full | 14-NorthEnd |
| 192 | 1 | 1gal | Antifreeze | Full | 14-NorthEnd |
| 193 | 1 | 5gal | Haval 12501 (with Petroleum Distillates) | Full | 14-NorthEnd |
| 194 | 1 | 1qt | HVAC oil | Full | 14-NorthEnd |
| 195 | 5 | 1qt | Recording ink | Full | 14-NorthEnd |
| 196 | 22 | 4oz | Recording ink | Full | 14-NorthEnd |
| 197 | 1 | 1pt | Blanchot (wood bleach) | Full | 14-NorthEnd |
| 198 | 1 | 1qt | Emery cell fluid | Full | 14-NorthEnd |
| 199 | 1 | 1pt | Temp Lube | Full | 14-NorthEnd |
| 200 | 1 | 1gal | Aluminum Paint | Full | 14-NorthEnd |
| 201 | 1 | 1qt | Unknown Metal Can | Full | 14-NorthEnd |
| 202 | 1 | 1gal | Flammable pretreatment | Full | 14-NorthEnd |
| 203 | 5 | 1/2lb | Tin | Full | 14-NorthEnd |
| 204 | 1 | 1gal | Print Flattening Sol'n w/ethylene glycol | Full | Photo Lab |
| 205 | 2 | 1pt | Unknown Liquid | Full | Photo Lab |
| 206 | 1 | 1gal | Unknown Liquid | Full | Photo Lab |
| 207 | 1 | 1gal | Acetic Acid 28% | Full | Photo Lab |
| 208 | 1 | 1qt | Fixer w/ Sulfuric/Boric acid | Full | Photo Lab |
| 209 | 6 | 1lb | Kodak Fixer Powder | Full | Photo Lab |
| 210 | 1 | 4L | Dektol | Full | Photo Lab |
| 211 | 1 | 4L | Kodalith Sol'n B | Full | Photo Lab |
| 212 | 1 | 4L | Kodalith Sol'n A | Full | Photo Lab |
| 213 | 1 | 1/2L | Kodak Developer(Hydroquinone/2-Aminoethanol) | Full | Photo Lab |
| 214 | 9 | Box | 4 (1L) bottles each box--Linowrit Liquid Processing Kit | Full | Photo Lab |
| 215 | 1 | 2oz | Film Developer (Hydroquinone/Sodium Sulfite) | Full | Photo Lab |
| 216 | 6 | 1pt | Kodak DK-50R (monomethyl p-aminophenol sulfate/hydroquinone) | Full | Photo Lab |
| 217 | 4 | 1/2pt | Kodak DK-50R (monomethyl p-aminophenol sulfate/hydroquinone) | Full | Photo Lab |
| 218 | 1 | 10oz | Aerosol adhesive | Full | Photo Lab |
| 219 | 1 | 1qt | Kodak DK-50R | Full | Photo Lab |
| 220 | 1 | 5lb | Sodium Sulfite | Full | Photo Lab |
| 221 | 1 | 1lb | Kodak Elon (monomethyl para aminophenol sulfate) | Full | Photo Lab |
| 222 | 1 | 18oz | Sulfuric Acid Sol'n | Full | Photo Lab |

| | | | | | |
|---|---|---|---|---|---|
| 223 | 16 | 1oz | Redeveloper (S m Metaborate) | Full | Photo Lab |
| 224 | 1 | 200ml | Kodak Cleaning Bath | Full | Photo Lab |
| 225 | 1 | 1/2lb | Unknown Powder | Full | Photo Lab |
| 226 | 2 | 1lb | Sodium Metaborate | Full | Photo Lab |
| 227 | 7 | 551A2 | Cryogenic Insulation | Full | 11-D |
| 228 | 2 | 301A2 | Cryogenic Insulation | Full | 11-D |
| 229 | 1 | 5gal | Lube Oil | Full | 11-D |
| 230 | 7 | 551A2 | Empty Drum | MT | 11-D |
| 231 | Various | 551A2 | Empty Drum | MT | 11-C |
| 232 | 2 | 30gal | Glycol | Full | 11-C |
| 233 | 1 | 551A1 | Transmission Fluid | 3/4Full | 11-A |
| 234 | 6 | 551A1 | Engine Oil | 3/4Full | 11-A |
| 235 | 2 | 551A1 | Gear Oil | 3/4Full | 11-A |
| 236 | 5 | 5gal | Poly Grease | 3/4Full | 11-A |
| 237 | 1 | 551H1 | Glycol | 3/4Full | 11-A |
| 238 | 1 | 551A1 | Ecolink Dielectric Fluid | 3/4Full | 11-A |
| 239 | 1 | 301A2 | Lube Oil | 3/4Full | 11-A |
| 240 | 135 | 1gal | Paint Related Liquids | Full | 12-A Paint Shed |
| 241 | 25 | 1pt | Paint Related Liquids | Full | 12-A Paint Shed |
| 242 | 7 | 1pt | Joint Compound | Full | 12-A Paint Shed |
| 243 | 7-10 | 10oz | Aerosols | Full | 12-A Paint Shed |
| 244 | 4 | 1gal | Thinners | Full | 12-A Paint Shed |
| 245 | 16 | 5gal | Paint Related Liquids | Full | 12-A Paint Shed |
| 246 | 1 | 5gal | Methanol | Full | 12-A Paint Shed |
| 247 | 1 | 5gal | FreonTF | Full | 12-A Paint Shed |
| 248 | 1 | 1gal | Caustic Cleaner | Full | 12-A Paint Shed |
| 249 | 1 | 5gal | Trichloroethylene | Full | 12-A Paint Shed |
| 250 | 1 | 5gal | Zinc Chromic Primer | Full | 12-A Paint Shed |
| 251 | 1 | 30gal | Unknown Liquid | 3/4Full | 12-A Paint Shed |
| 252 | 1 | 551A1 | Ecolink Dielectric Fluid | 3/4Full | 23 |
| 253 | 1 | 551A1 | Glycol | 3/4Full | 23 |
| 254 | 13 | 551A1 | Hydraulic, Machine lube | 3/4Full | 23 |
| 255 | 1 | 551A1 | Diesel Fuel | 3/4Full | 23 |
| 256 | 2 | 551A2 | Misc. gas cans to be poured | 3/4Full | 23 |
| 257 | 2 | 551A1 | Oil | 3/4Full | 23 |
| 258 | 2 | 5gal | Oil | 3/4Full | 23 |
| 259 | 1 | 5gal | Antifreeze | 3/4Full | 23 |
| 260 | 1 | 5gal | Cutting Oil | 3/4Full | 23 |
| 261 | 1 | 20gal | Asbestos(needs overpack) | 1/2Full | 23 |
| 262 | 1 | 20gal | Unknown Liquid | 1/2Full | 23 |
| 263 | 1 | 301H2 | Misc. Paint Related Articles | Full | 23 |
| 264 | 2 | 551A1 | Oil | Full | 13 |
| 265 | 1 | 5lb | Ammonium Citrate | Full | 15 |
| 266 | 1 | 5lb | Red Dye | Full | 15 |
| 267 | 2 | 1pt | Thread Cmpd | Full | 15 |
| 268 | 1 | 20gal | Other Small Quantity Paint Related and Oils | Full | 15 |

| | | | | | |
|---|---|---|---|---|---|
| 269 | 2 | 20gal | Nitric Acid in inless kegs | Full | 18 |
| 270 | 2 | 55gal | Approx 2 drums worth of mixed Aerosols,Paint Related, Oils | Full | 24B |
| 271 | 2 | 55gal | Same as 24B | Full | 24C |
| 272 | 1 | 5gal | Deicer w/glycols | Full | 24C |
| 273 | 1 | 5gal | Antifreeze | Full | 20H |
| 274 | 1 | 1qt | Gear Oil | Full | 20H |
| 275 | 1 | 1lb | Radiator Cleaner | Full | 20H |
| 276 | 1 | 12oz | Thermo aid w/IPA | Full | 20H |
| 277 | 4 | +/- 5 gal | Unidentified product reported to be igniter for rocket engines | Full | 1B |
| 278 | 3 | 5gal | Hydraulic Fluid | Full | 7 |
| 279 | 12 | 1gal | Lube Oil | Full | 7 |
| 280 | 4 | 1gal | Paint Related Liquids | Full | 7 |
| 281 | 2 | 5gal | Antifreeze | Full | 7 |
| 282 | Undetermined | | Miscellaneous Powders, primers and magazines | | Magazine 8 |
| 283 | Undetermined | | Miscellaneous charges and powders | | 27C |
| 284 | Undetermined | | Miscellaneous propelling charges | | 27B |
| 284 | Undetermined | | Miscellaneous mortars and charges | | 27A |
| | | | | | |
| | | | | | |
| | End | | | | |

# APPENDIX G

## Ground Penetrating Radar Survey Report

# GROUND PENETRATING RADAR SURVEY RESULTS

**FOR THE**

**INVESTIGATION OF :**

***underground storage tanks, septic tanks, and dry wells***

**AT:**

*USA/ Rocket Research Facility*
*Malta, NY*

**PREPARED FOR:**

*C.T. MALE ASSOCIATES, P.C.*
*LATHAM, NEW YORK*

**PREPARED BY:**

*SUB-SURFACE INFORMATIONAL SURVEYS, INC.*
*143C SHAKER ROAD, SUITE 206*
*E. LONGMEADOW, MA 01028-0452*

**May 24-26, 2004**

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# 1.0 Introduction

In accordance with your authorization, Sub-Surface Informational Surveys, Inc. (SIS) reports to you the results of ground penetrating radar survey conducted on May 24-26, 2004 at the US Rocket research Facility in the City of Malta, NY. This survey was directed by your approval of SIS quotation #1.2342.04 dated May 7, 2004.

## 1.1 Purpose and Scope

The purpose of the survey was to investigate for the presence of suspected underground storage tanks, outline of bunkers, utility marking, clearing of proposed boring locations and drywells.



Main office facility

## 2.0 Geophysical Survey

The geophysical survey was performed by Sub-Surface Informational Surveys, Inc. A transducer operator / supervising GPR technician performed the survey.

## 2.1 Geophysical Survey Procedures

The depth setting of the GPR survey varied from 5.0' (minimum) to 20.0' (maximum) to locate any existing underground storage tanks, bunker outlines, septic and/or drywells as well as some existing utilities. A traverse grid with a 5.0' minimum spacing was used to conduct the GPR survey in the suspect areas of tanks and 1.0' -3.0' for other anomalies. Typically a 5.0' – 10.0' spacing is sufficient to detect all large capacity UST's (500-gallon or greater) with a high degree of certainty. The varied spacing was used to better define any existing suspected anomalies.

The equipment used to conduct the geophysical survey included GPR equipment which consists of subsurface **interface radar (SIR-3000)** computer manufactured by Geophysical Survey Systems, Inc., power supply, graphic recorder, video display unit and transmitting/receiving antenna. The equipment is known collectively as a **GPR system**. The transmitting/receiving antenna transmits electromagnetic signals into the subsurface and then detects, amplifies and displays reflections of the signal on a graphic recorder and a video display unit. As the antenna is moved slowly across the ground surface or surface of contact, a radar image of the subsurface is produced. The maximum depth of penetration of the GPR signal and the resolution of the reflections are a function of the antenna frequency and the electrical properties of the subsurface. As electrical conductivity of the subsurface increases, GPR signal penetration decreases. GPR reflections are produced by spatial changes in the physical properties of the subsurface (I.e., type of material, presence of any subsurface fluid, and porosity) and related changes in the electrical properties of the subsurface material in the path of the signals. The greater the difference, the stronger the observed GPR reflection.

Characteristics that are considered in the interpretation of GPR data from a given site include the size, shape and amplitude of the reflections. Metallic underground storage tanks, (UST's) utilities and conduits have electrical properties uniquely different from those of the soils in which they are buried. As a result, the GPR reflections are usually of high amplitude and have distinctive shapes. For GPR profiles oriented perpendicular to the long axis of the tanks, the signature is similar to a hyperbola. The signature is also a function of the tank diameter.

## 2.2 Geophysical Survey Results

This survey was broken down into three (3) separate days starting with Monday, May 24, 2004. The first day of GPR was governed by the existing rains which was on-and-off during the day. The 2nd and 3rd days started at 0830 and continued within the compound to 1630 hours and other selective work outside of the compound after lockup. Multiple tanks, drywells, bunkers and utilities were found and marked on site at the time of their locations. Paint and flags were used in the field for all of the suspect anomalies when requested by the Project Manager. UST's that were found at the multiple locations were marked on both ends of the anomaly as well as their centerline which gave the orientation of the tank. Bunkers were scanned marking the edges of the walls for the purpose of proposed drilling. The dry wells associated with each of the bunkers were marked in the areas where there appeared to be subtle changes in the subsurface topography. There were also underground utilities in close proximity to the areas of concern which were painted on site. It was not sure that the utilities were active at the time of the survey since there were some reported tanks removed and possibly the piping had been left in place. The hyperbolic features were marked as a safety precaution.

Much of the data view during the collection process showed little or no changes to indicate anomalies of importance. The data that showed specific anomalies was saved in the GPR SIR-3000 hard drive for editing. Attached to this report are a number of Data DZT files which an explanation as part of the Data files. Data File CT16 was the 1st file collected on May 24, 2004 in front of B-23 which represents two conduits running from the front of the building and crossing the asphalt paved access road. Each of the areas of concern was determined by the Project Manager and did not necessarily stay in numerical area by building. The initial areas were scanned in order to stay ahead of the drilling rigs.

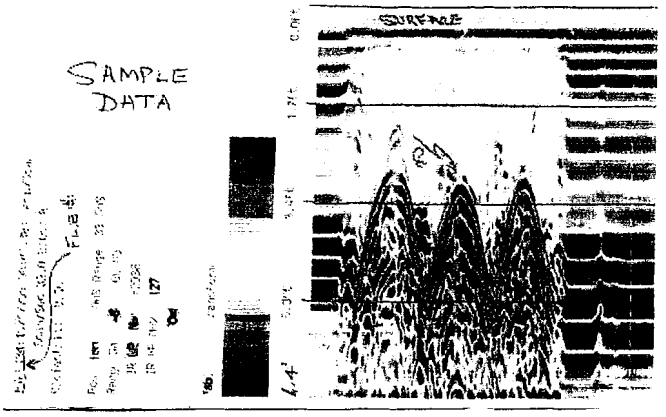
## GROUND PENETRATING RADAR SURVEY

Data File CT17 represents a continuous north/south collection of data down the main access road in front of B-17. Most of the asphalt paved roadways were scanned in and around the main areas of concern. Please refer to the attached Data Files which are partial cross-section of the collected data. Photos contained in this report show a multitude of data points and areas of interest.

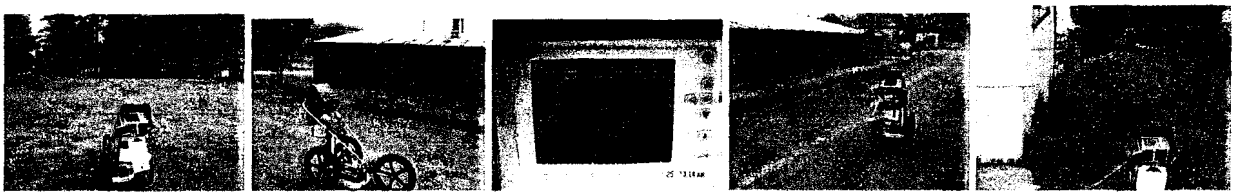


Above photos represent a small portion of the areas completed during the early part of this survey
Several UST's are seen with the ends and centerline painted on site.

## ACQUIRED DATA EXPLANATION




**Above represents a sample of data collected by Sub-Surface Informational Surveys, Inc. on October 17, 1999 at a site in the State of Connecticut. It shows three (3) underground storage tanks with a marked centerline. The data FILE# is located on the left tab which also shows the nanosecond (depth) setting, dielectric constant, etc., which is set by our SIR-2000 computer operator. Please match the FILE# on the data with the same FILE# in this report for an explanation of the collected data. NOTE: The above is <u>not</u> part of the data collected for this survey.**



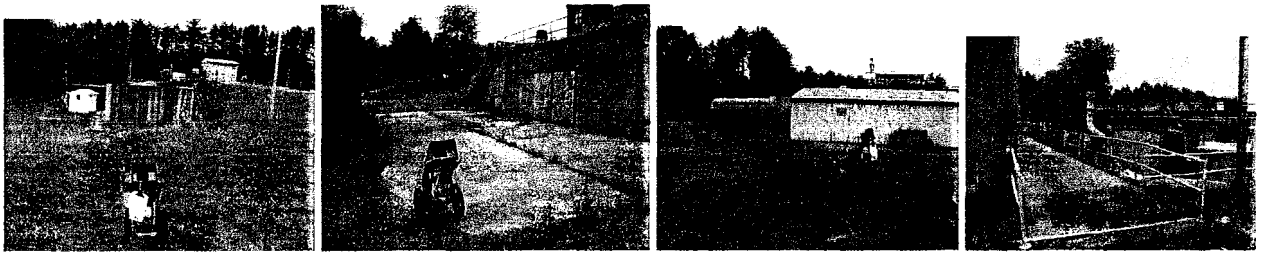
Multiple data points during the survey. Center photo shows real-time data during collection process

**NOTE: Data File CT18-2 shows the three tanks found in the tank farm across from B-28. UST#1 shows a signature of 18' in length X 8' in width; UST#2 – 22' X 8'; UST#3 – 15' X 48"**

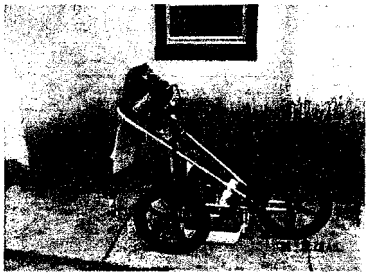


Multiple buildings both large and small were scanned around all four (4) sides when accessible. The attached photos represent some of the data points as seen above in the photos.





Above represents additional data points around existing structures. Right-hand photo shows no access to the rear of the building. Three (3) sides were scanned.



**SIR-3000 GPR Portable unit w/400 MHz antenna**

END OF SURVEY

The attached analytical result are copies of GPR Data Files collected in the field and reproduced at our corporate office. After reviewing the data, selected samples are taken and duplicated for this report.

Copies are made under the following guidelines:

A. When there are distinctive differences in the collected data. NOTE: When one traverse is almost identical in characterization to another, only one copy would be reproduced.

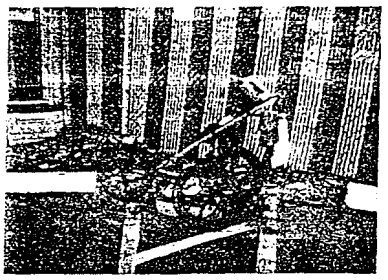
B. If there is a significant difference with suspected anomaly found within the data.

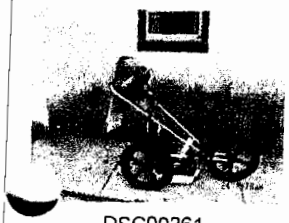
C. In the location of anomalies, such as pipes, and/or conduits, underground storage tanks or other specific characteristics important to the investigation, such data is copied and annotated.

D. Samples of *signal refusal,* (water, clay, or some other highly conductive sub-surface interface).

E. Requested data.

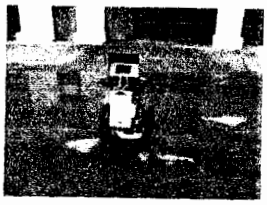
F. Specific locations of rebar and conduits using encoder wheel with measured bench marks.

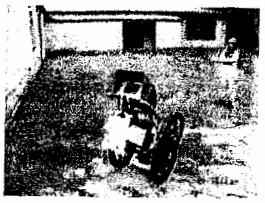



DSC00261


DSC00262


DSC00263


DSC00264


DSC00265


DSC00266


DSC00267


DSC00268


DSC00269


DSC00270

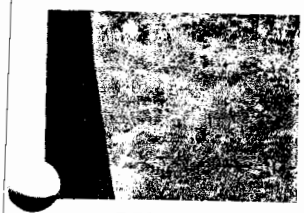
DSC00271


DSC00272

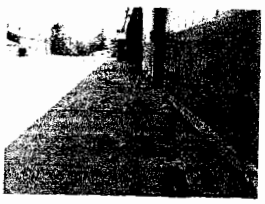

DSC00273

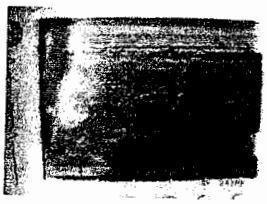

DSC00274


DSC00275


DSC00276

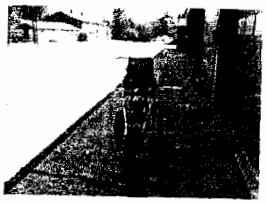

DSC00277


DSC00278


DSC00279


DSC00280


DSC00281


DSC00282


DSC00283


DSC00284

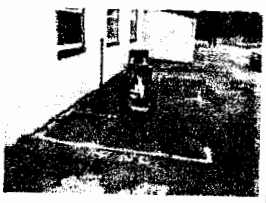

DSC00285


DSC00286


DSC00287


DSC00288


DSC00289


DSC00290

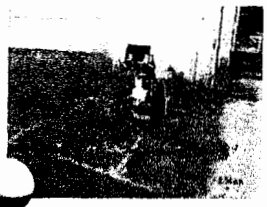

DSC00291


DSC00292

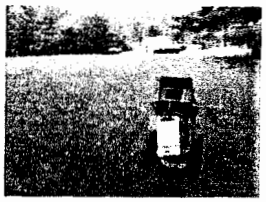

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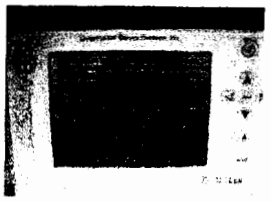

DSC00294


DSC00295


DSC00296

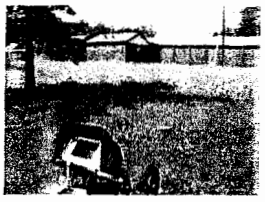

DSC00297

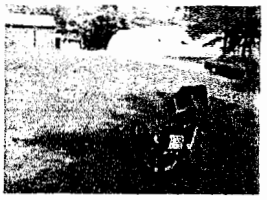

DSC00298


DSC00299


DSC00300


DSC00301


DSC00302

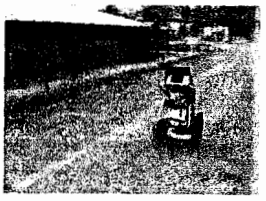

DSC00303

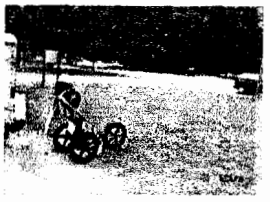

DSC00304


DSC00305

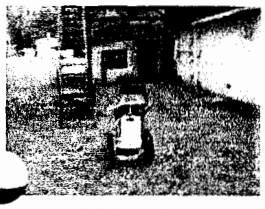

DSC00306


DSC00307

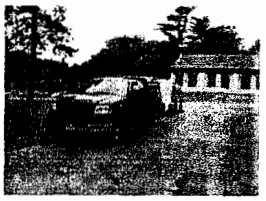

DSC00308


DSC00309


DSC00310


DSC00311


DSC00312

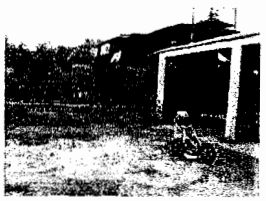

DSC00313


DSC00314

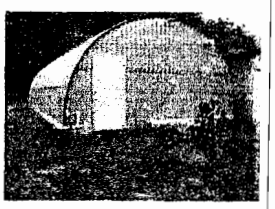

DSC00315


DSC00316


DSC00317

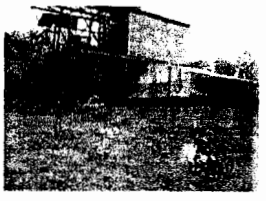

DSC00318


DSC00319


DSC00320


DSC00321


DSC00322

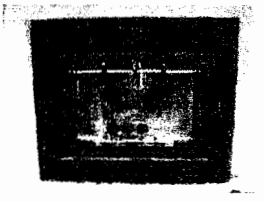

DSC00323

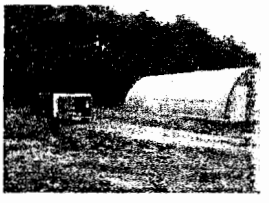

DSC00324


DSC00325

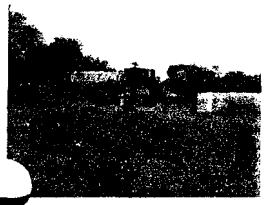

DSC00326


DSC00327


DSC00328

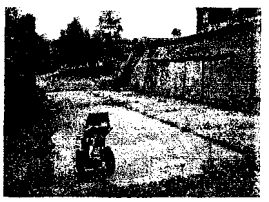

DSC00329


DSC00330

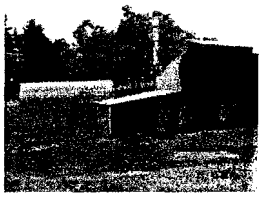

DSC00331

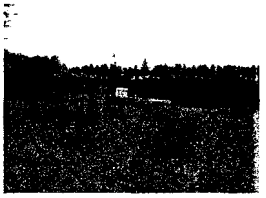

DSC00332

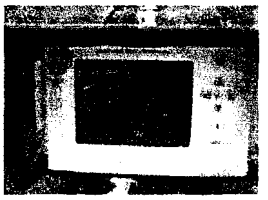

DSC00333

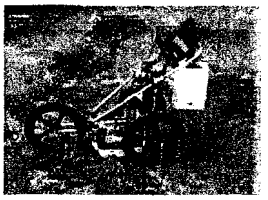

DSC00334


DSC00335


DSC00336

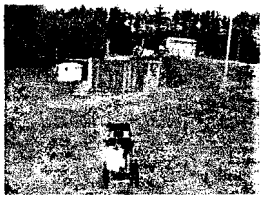

DSC00337


DSC00338


DSC00339


DSC00340

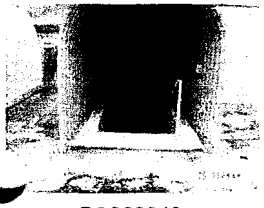

DSC00341


DSC00342


DSC00343


DSC00344

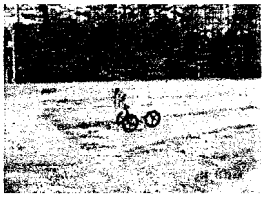

DSC00345

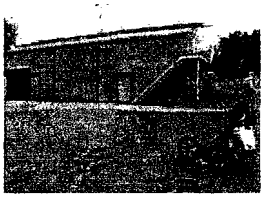

DSC00346

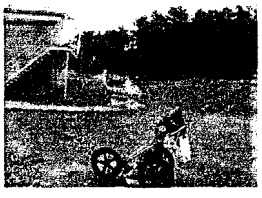

DSC00347

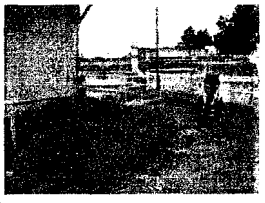


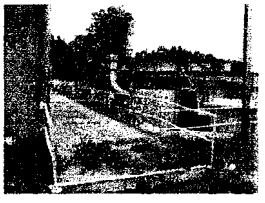
DSC00348

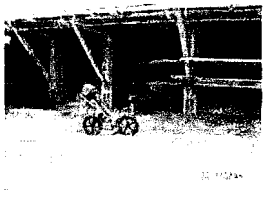

DSC00349

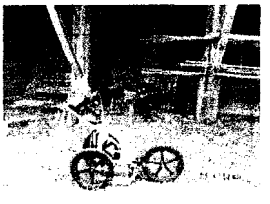

DSC00350


DSC00351

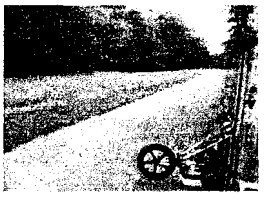

DSC00352


DSC00353


DSC00354

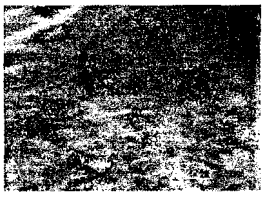

DSC00355


DSC00356


DSC00357


DSC00358

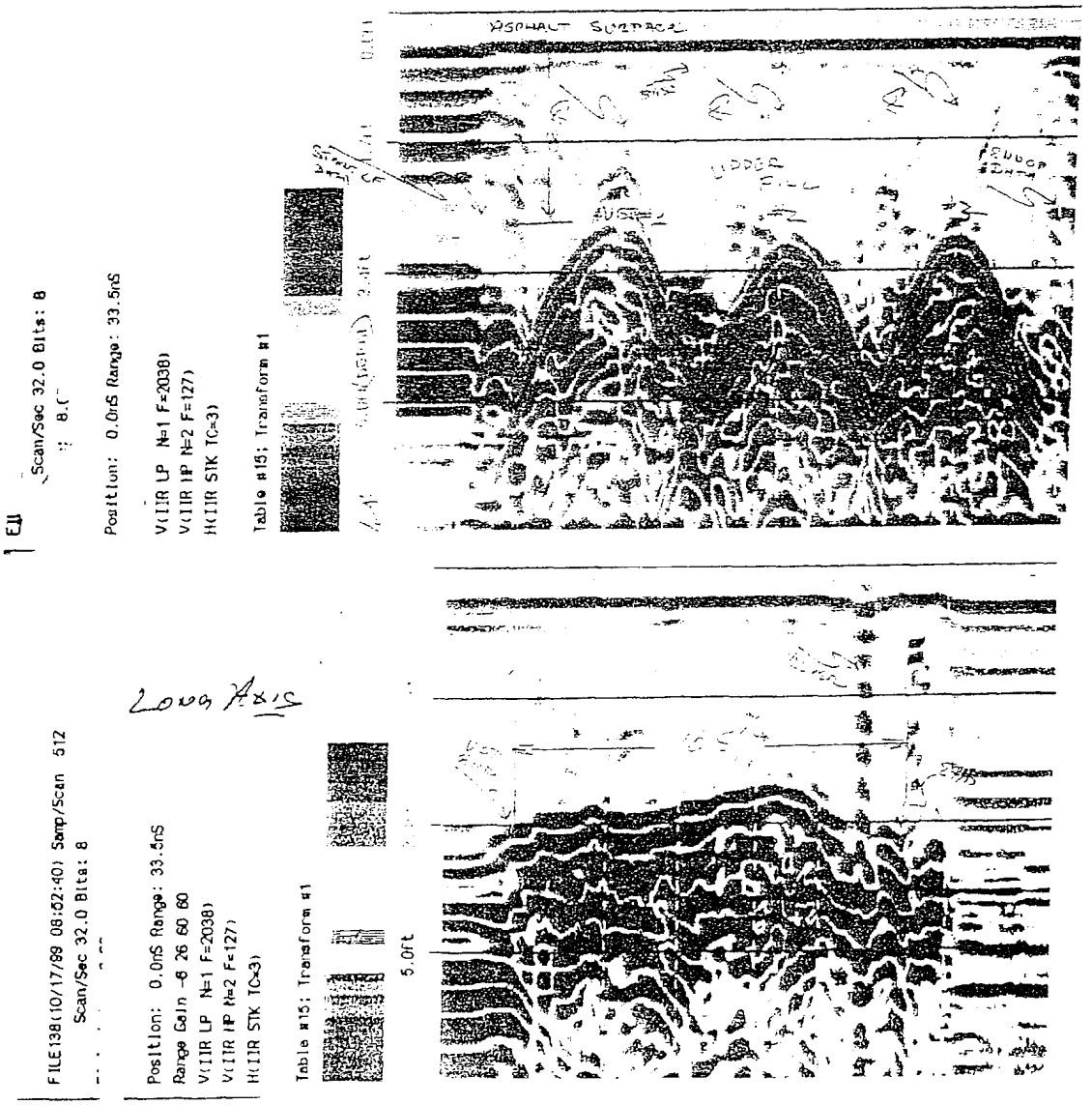

DSC00359


DSC00360


DSC00361


DSC00362

The profiles shown below represent copies of real data collected in the field. Each collected piece of data is issued a FILE# on the information tab to the left of the data. This FILE# is referenced within the report. Each piece of data is annotated from the information collected in the field such as estimated depth, length, direction or any other information that may be helpful to the subsurface investigation. The computer settings such as dielectric values, range in nanoseconds etc., is part of the information tab. The vertical benchmarks indicate points designated on the surface for the purpose of pinpointing a particular anomaly. This is used to estimate sometimes width or length or even distance between surface points such as fence posts, white lines in parking lots, centerlines of vehicles etc. The ↶↷ sign indicates 180 degree change in direction such as from a northerly traverse to a southerly traverse within the same piece of data. The profile below (FILE134) represents a perpendicular traverse over three 1,000g underground storage tanks at approximately 30" below the asphalt surface. The vertical benchmarks represent the centerline of each tank which was marked with marking paint on the surface per customer request. FILE138 is traversing over the long axis of one of the tanks with the vertical benchmarks at 2' intervals. The tank shows a profile of 10.5' in length from end-to-end.



## 4.0 PROFILE COPIES OBTAINED IN THE FIELD

The attached copies are reproductions from data acquired in the field from the GSSI, SIR-2000 Geophysical computer. The original copies are downloaded on a T-104 thermal printer and reproduced on our commercial copier. Photo's are taken by a Sony, DSC-F707 Digital still camera using a 128MB memory stick. The camera has the ability to take pictures in a no-light environment which is useful for inside low light or no light building interiors or during overcast days. The pictures are downloaded in a Photo Suite program and reproduced at 640X480: 0.35 mega pixels. In addition, a disc is supplied with most reports of all the important photo's taken at the survey site. The image size duplicated makes it easy for an e-mail attachment to be sent to your customer.

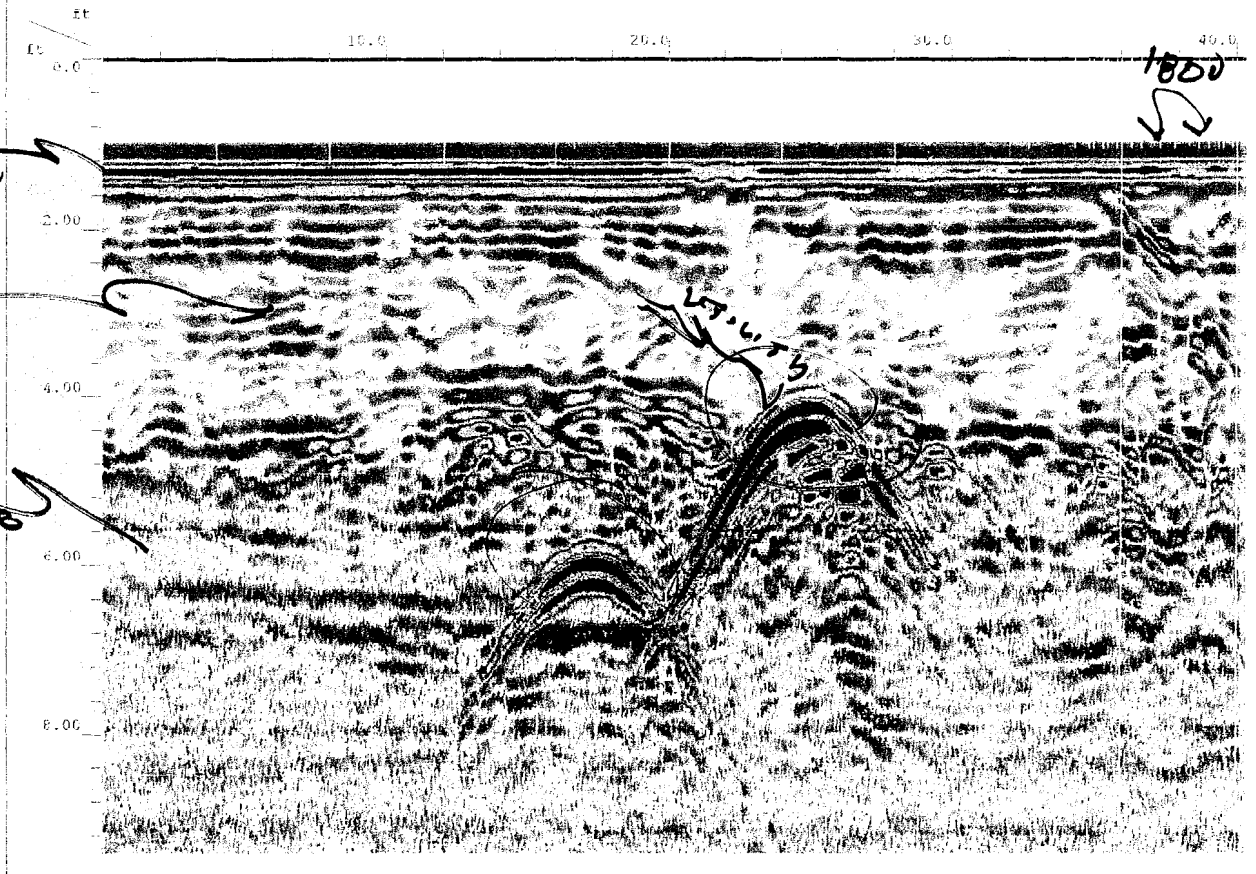
CT16

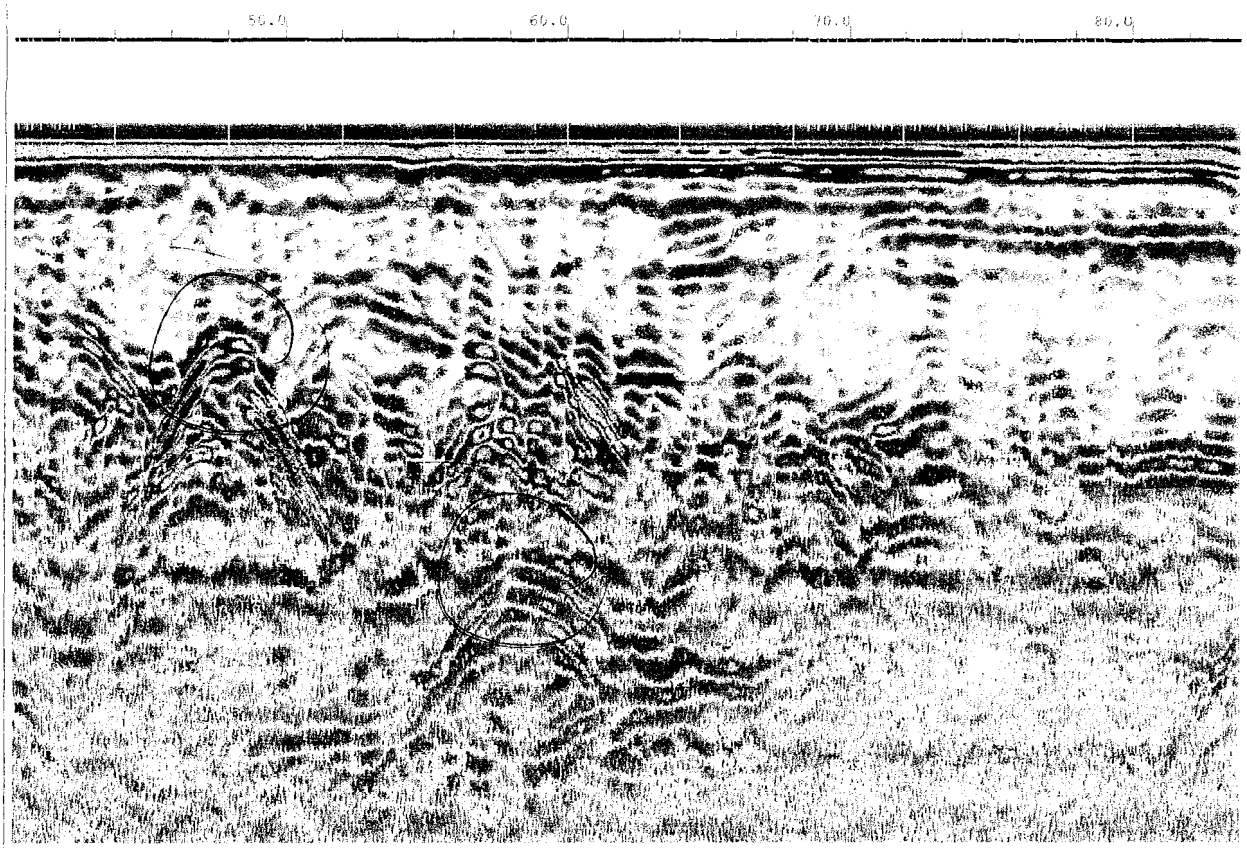
109' of continuous data collected crossing over two underground utilities in front of Building B-23 running in a east/west orientation. These were painted on site on the asphalt.

Created May, 24 2004, 10:20:56 Modified May, 24 2004, 10:22:36
Channel(s) 1 Samples/Scan 512 Bits/Sample 16
Scans/Second 100 Scans/Meter 78.7402 Meters/Mark 1.2192
Diel Constant 7

CHANNEL 1 400MHZ
Position 0 nS Range 53 nS
Vert IIR LP N =1 F =800 MHz
Vert IIR HP N =1 F =100 MHz
Position Correction -0.2 nS
Range Gain (dB) -20.0 41.0 45.0






50.0
60.0
70.0
80.0



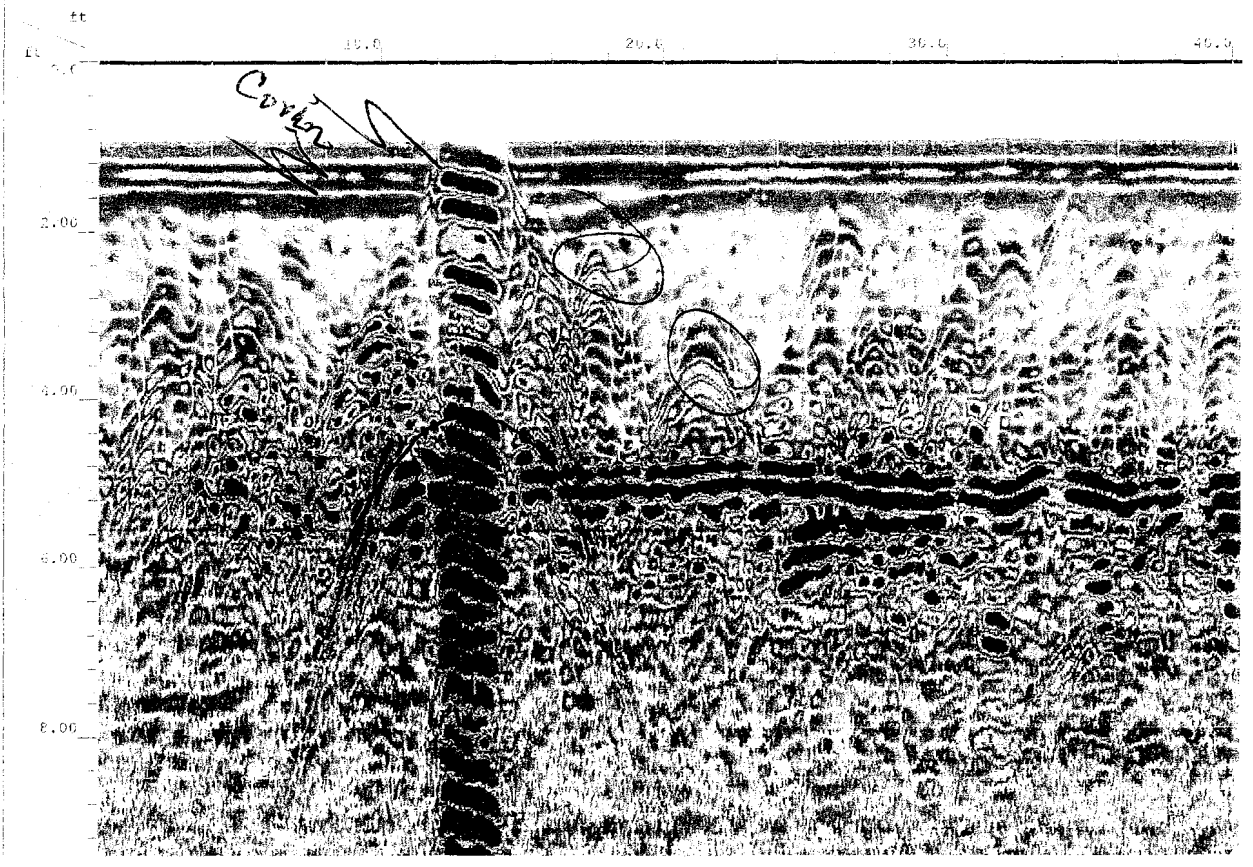

90.0
100
110
120

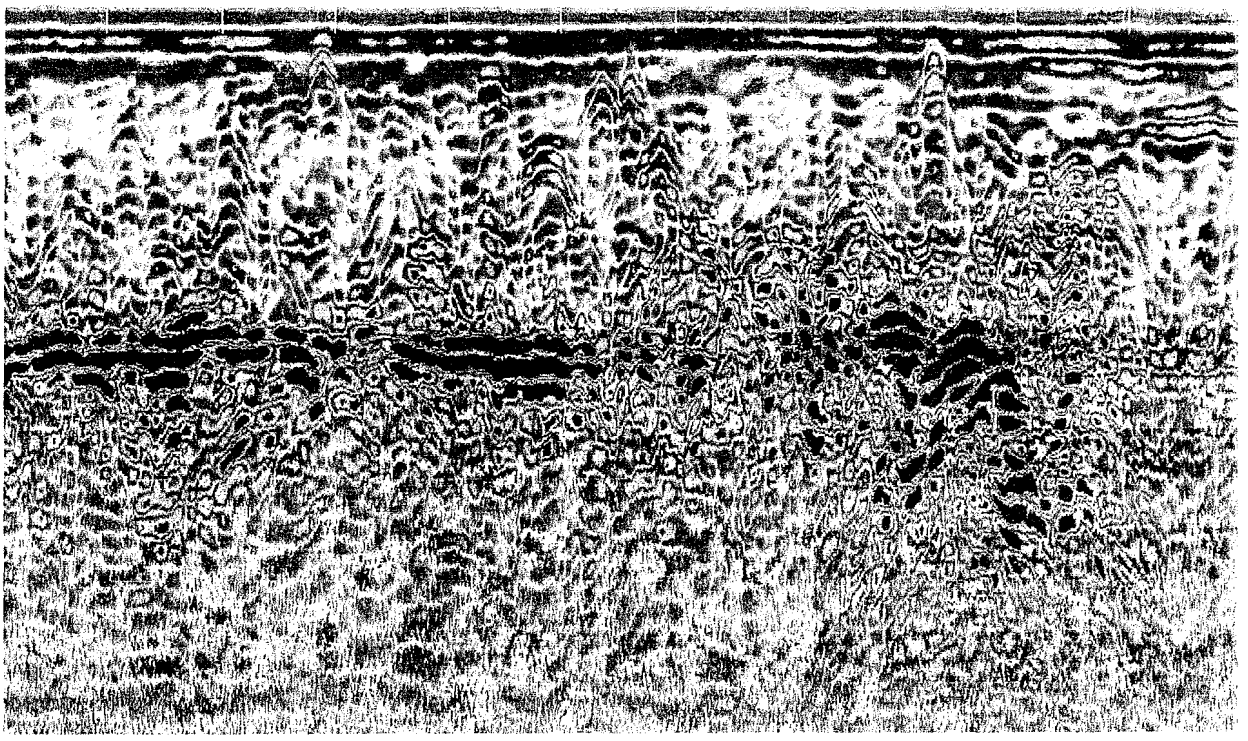
UST Marked on site.

Created May, 24 2004, 15:08:00 Modified May, 24 2004, 15:09:16
Channel(s) 1 Samples/Scan 512 Bits/Sample 16
Scans/Second 100 Scans/Meter 78.7402 Meters/Mark 1.2192
Diel Constant 7

CHANNEL 1 400MHZ
Position 0 nS Range 52 nS
Vert IIR LP N =1 F =800 MHz
Vert IIR HP N =1 F =100 MHz
Position Correction 0.3 nS
Range Gain (dB) -20.0 41.0 49.0






50.0
60.0
70.0
80.0




90.0
100
110
120

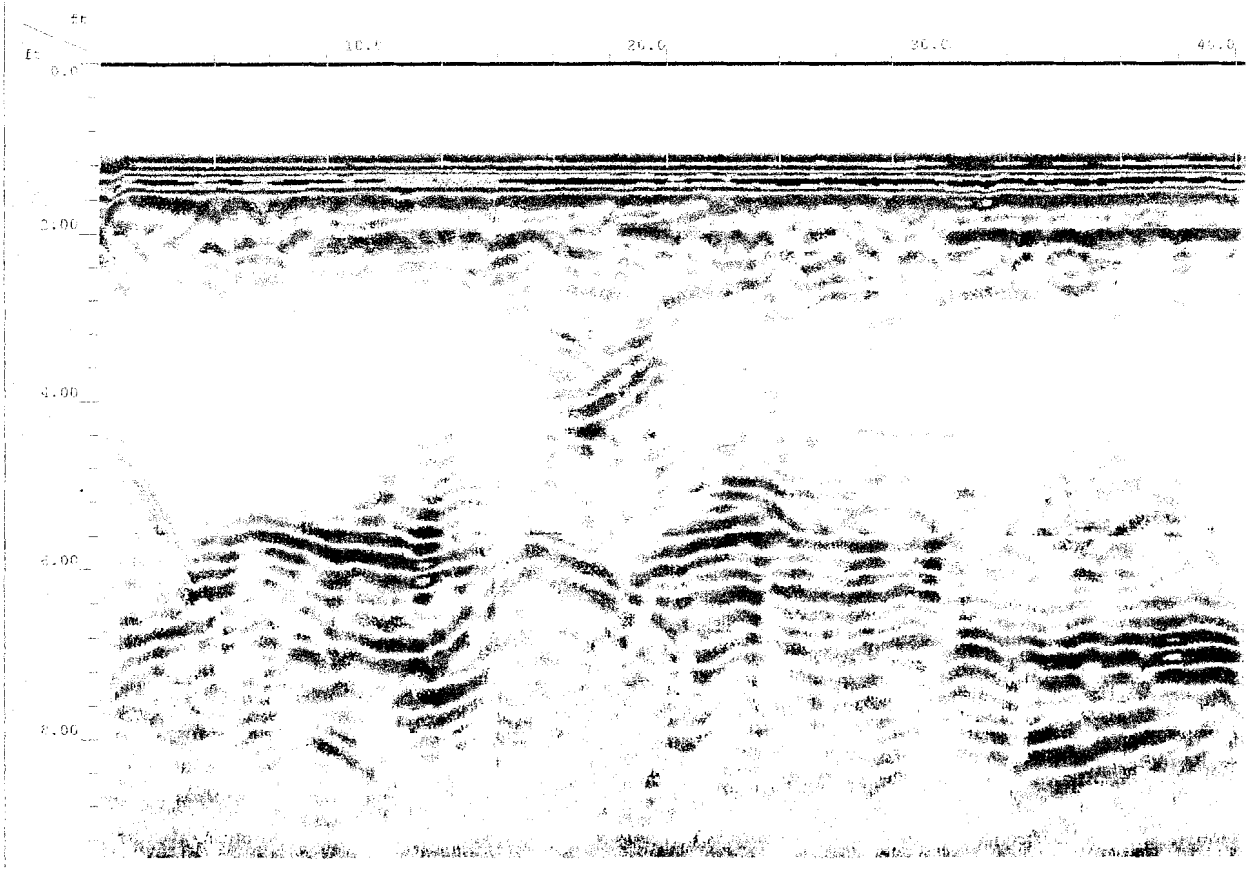
CT27-1

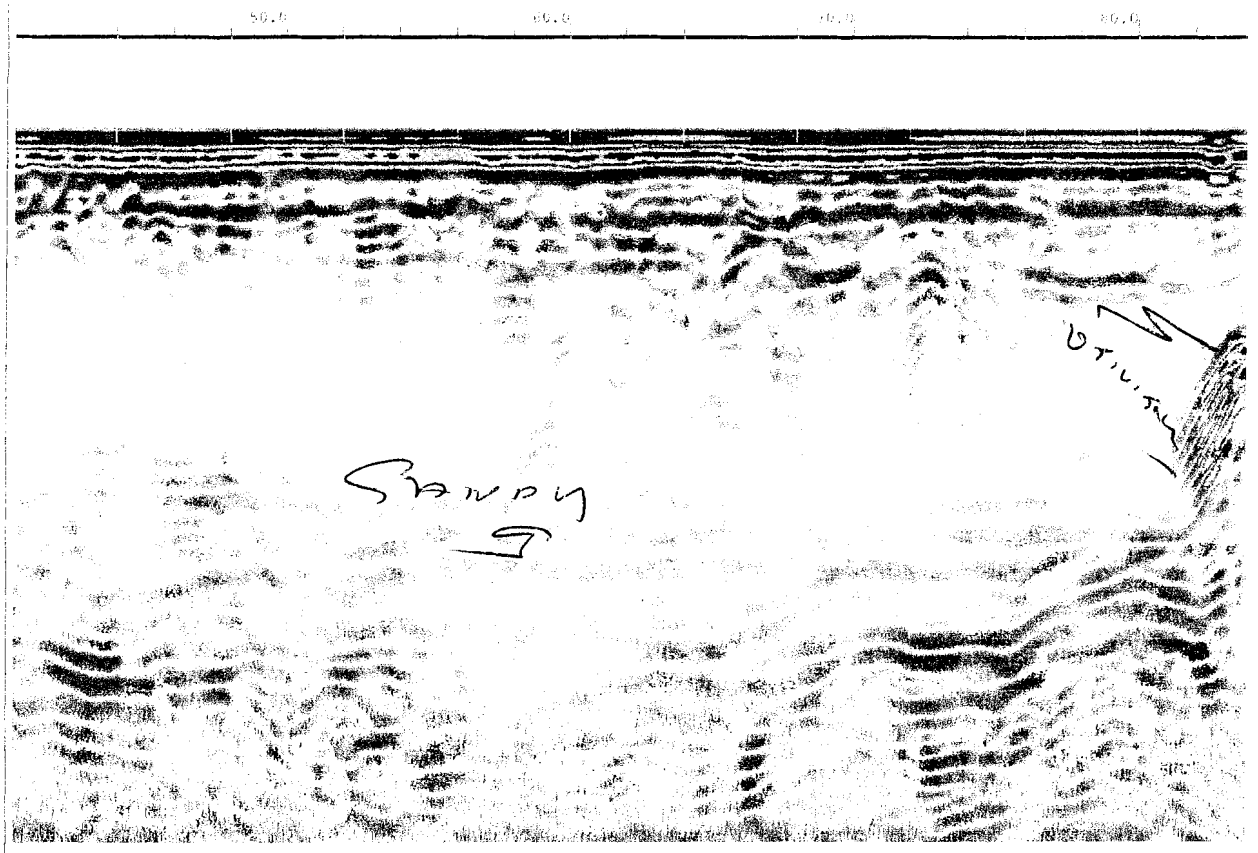
Northerly collection of data in roadway showing one underground utilities which was marked on site.

Created May, 24 2004, 15:52:46 Modified May, 24 2004, 15:54:10
Channel(s) 1 Samples/Scan 512 Bits/Sample 16
Scans/Second 100 Scans/Meter 70.7402 Meters/Mark 1.2192
Diel Constant 7

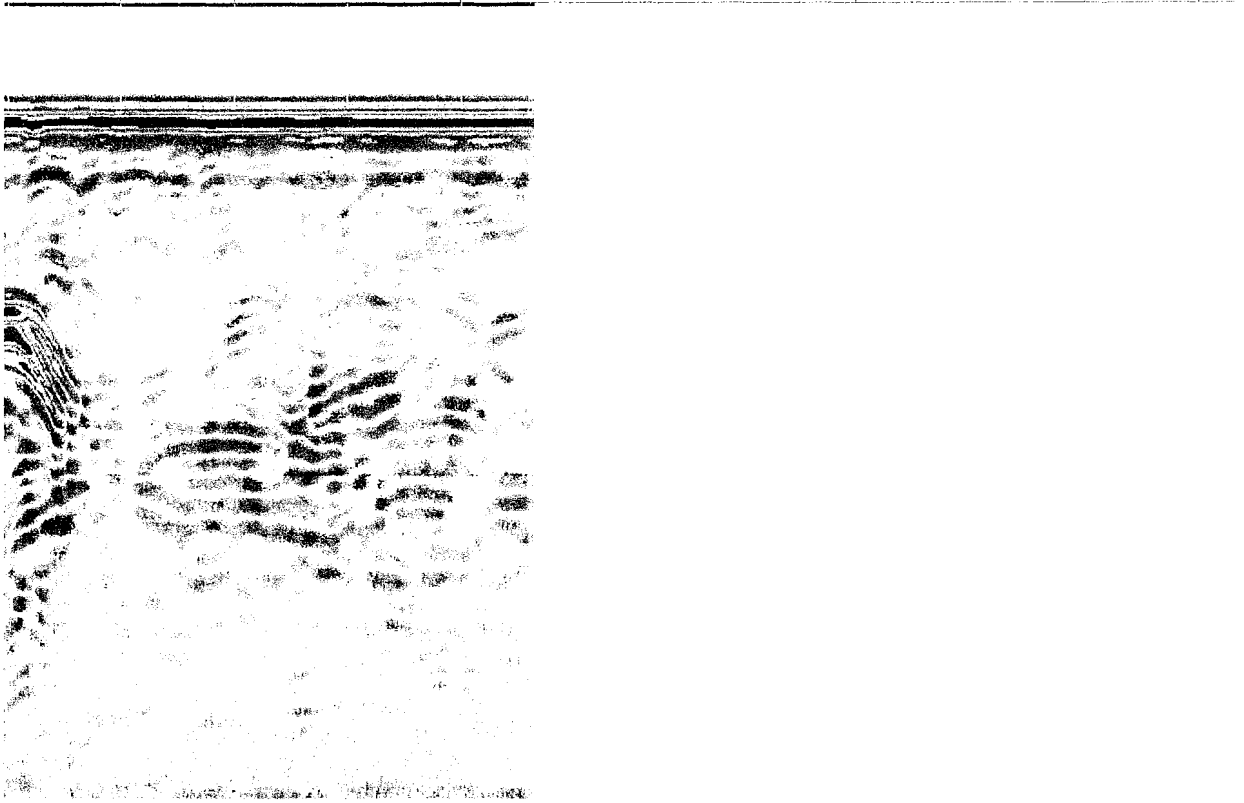
CHANNEL 1 400MHZ
Position 0 nS Range 53 nS
Range Gain (dB) -14.0 29.0 43.0
Position Correction -0.7 nS
Vert IIR LP N =1 F =800 MHz
Vert IIR HP N =1 F =100 MHz






50.0
60.0
70.0
80.0




90.0
100
110
120

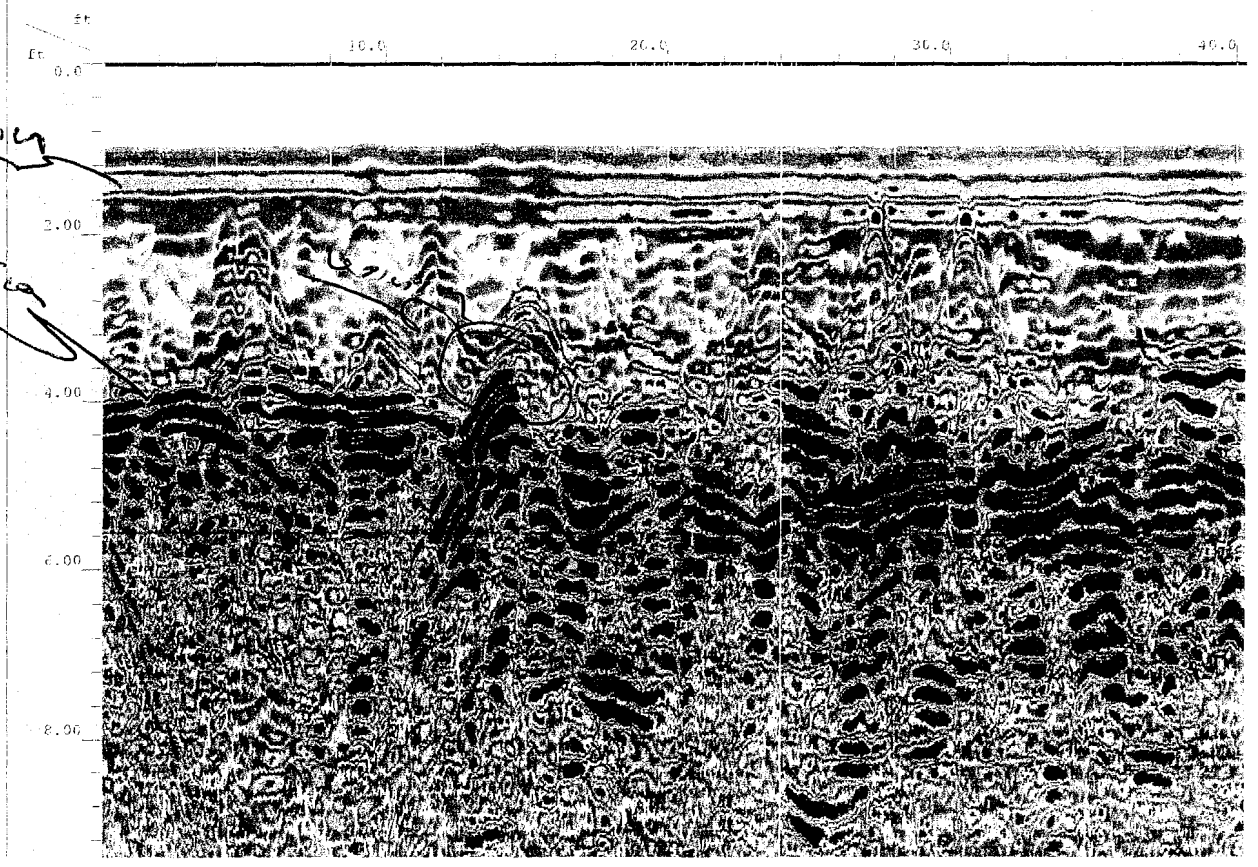
CT17

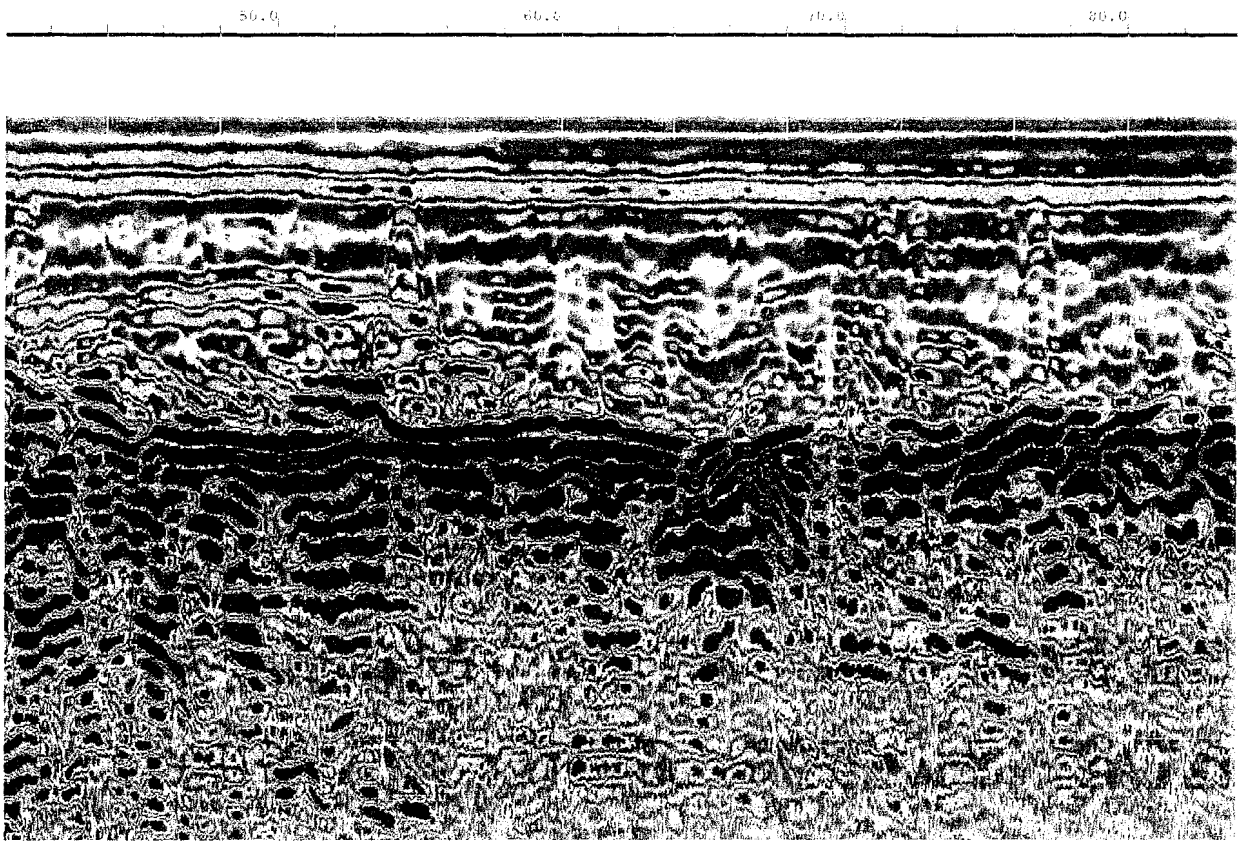
120' of continuous north/south data down the entrance access road in front of B-14 showing an equitable distribution of the sands to the base of the GPR window. Soil interface is seen in the center of the data. No other unusual anomalies.

Created May, 24 2004, 10:25:58 Modified May, 24 2004, 10:28:12
Channel(s) 1 Samples/Scan 512 Bits/Sample 16
Scans/Second 100 Scans/Meter 78.7402 Meters/Mark 1.2192
Diel Constant 7

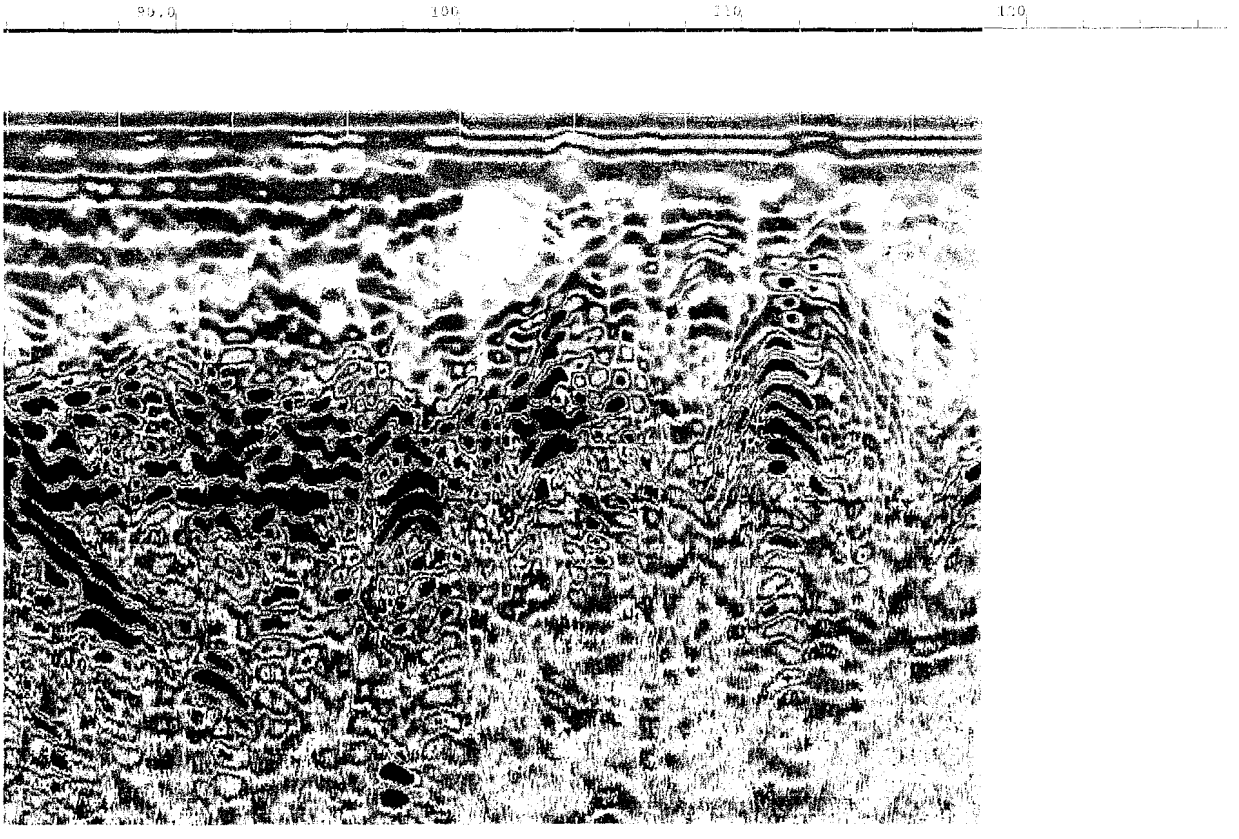
CHANNEL 1 400MHZ
Position 0 nS Range 53 nS
Vert IIR LP N =1 F =800 MHz
Vert IIR HP N =1 F =100 MHz
Position Correction -0.2 nS
Range Gain (dB) -20.0 41.0 45.0






50.0
60.0
70.0
80.0




90.0
100
110
120

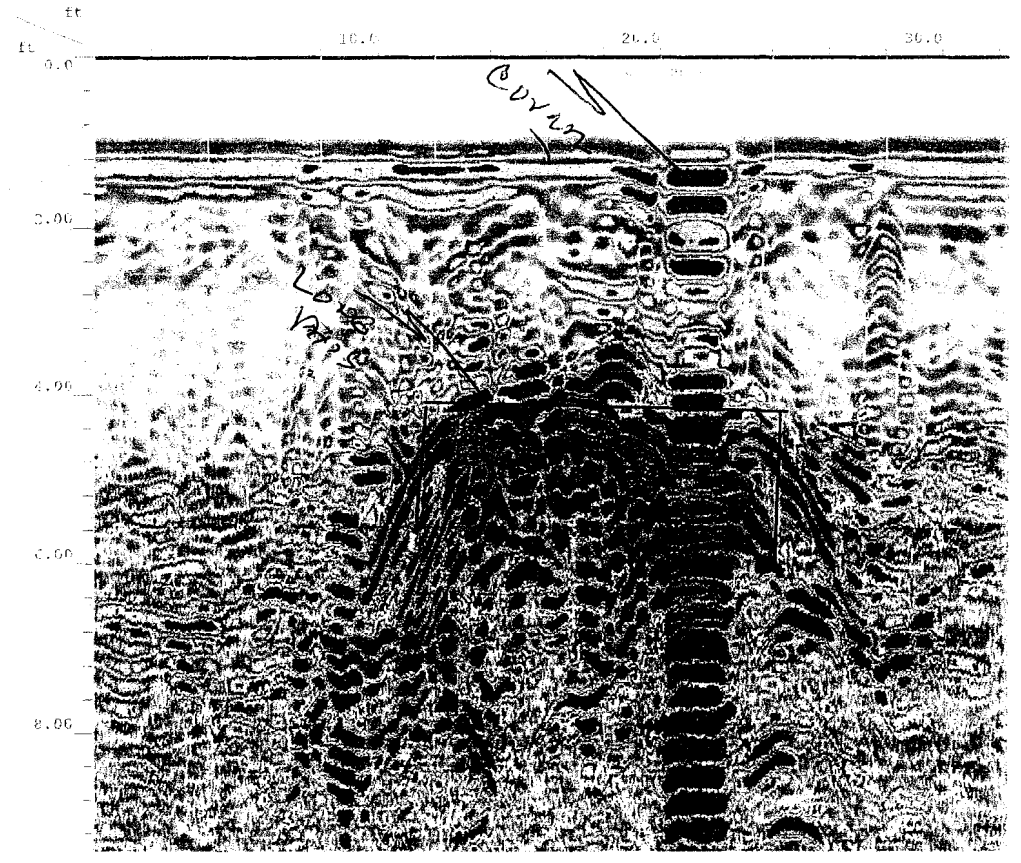
CT1-2

Long axis of UST found in front of B-13. PAINTED ON SITE.

Created May, 25 2004, 08:15:22 Modified May, 25 2004, 08:16:46
Channel(s) 1 Samples/Scan 512 Bits/Sample 16
Scans/Second 100 Scans/Meter 78.7402 Meters/Mark 1.2192
Diel Constant 7

CHANNEL 1 400MHZ
Position 0 nS Range 53 nS
Vert IIR LP N =1 F =800 MHz
Vert IIR HP N =1 F =100 MHz
Position Correction -0.0750003 nS
Range Gain (dB) -20.0 42.0 47.0



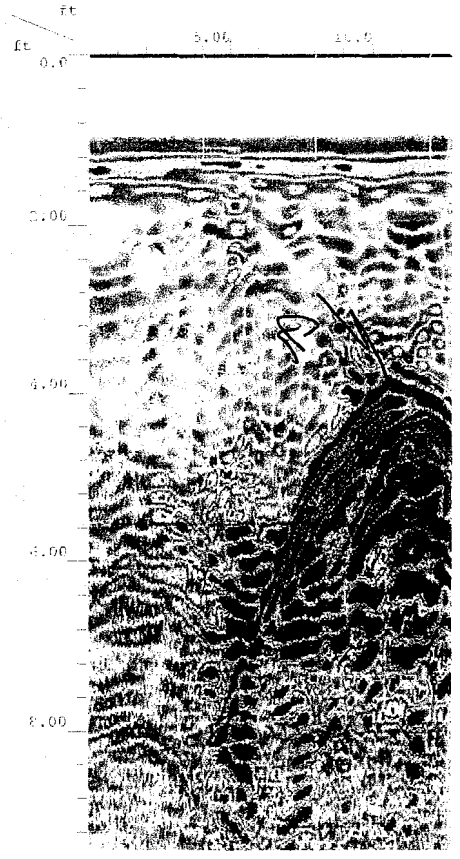


Parabolic feature of UST on west side of B-13.

Created May, 25 2004, 08:17:12 Modified May, 25 2004, 08:17:30
Channel(s) 1 Samples/Scan 512 Bits/Sample 16
Scans/Second 100 Scans/Meter 78.7402 Meters/Mark 1.2192
Diel Constant 7

CHANNEL 1 400MHZ
Position 0 nS Range 53 nS
Vert IIR LP N =1 F =800 MHz
Vert IIR HP N =1 F =100 MHz
Position Correction -0.0750003 nS
Range Gain (dB) -20.0 43.0 47.0



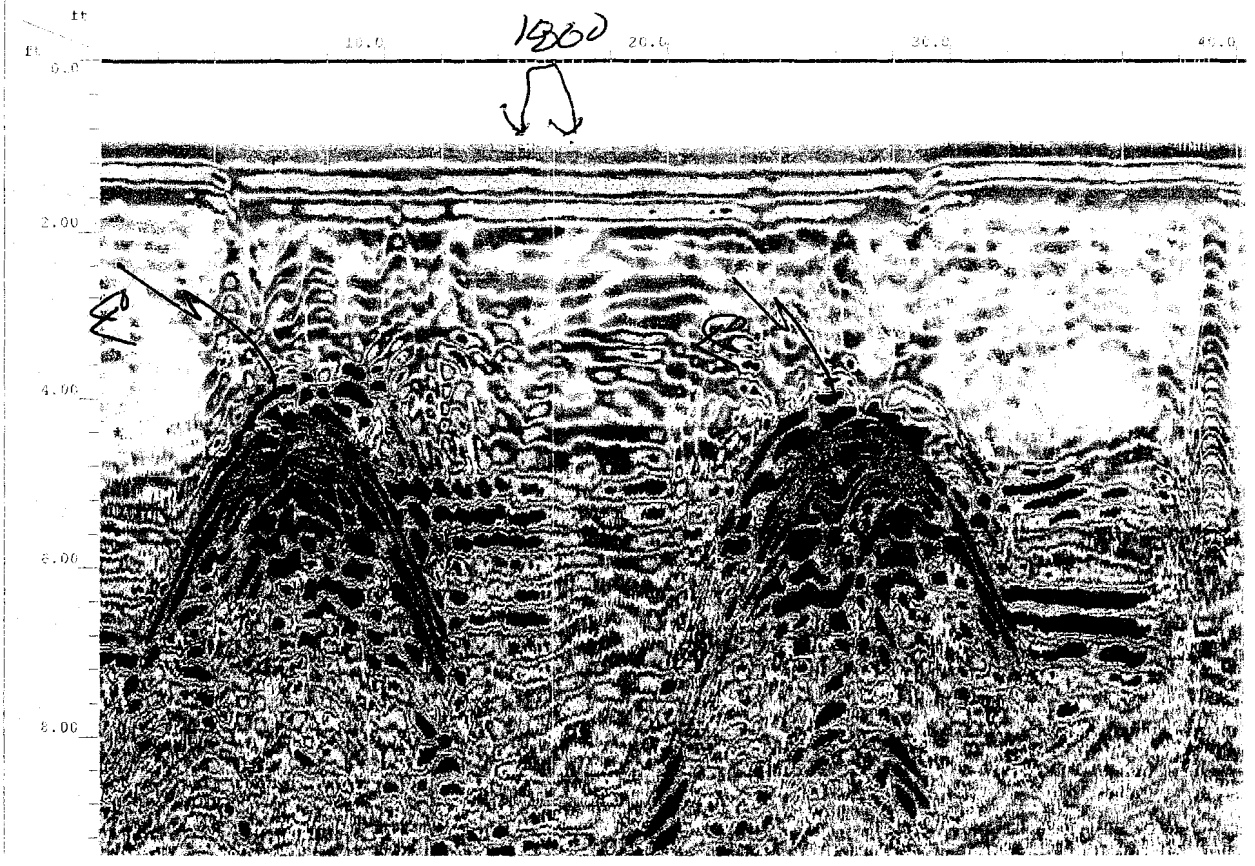


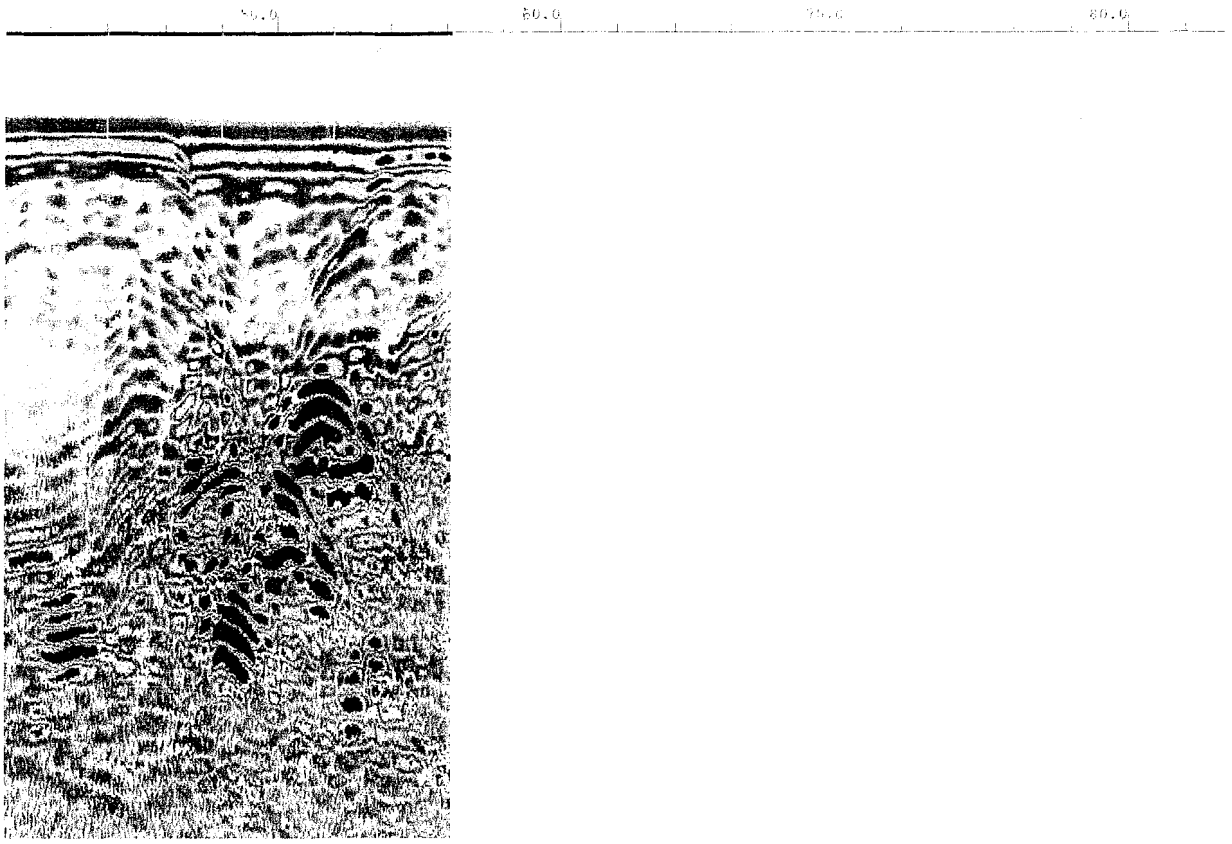
Parabolic feature of UST at B-11R

Created May, 25 2004, 08:47:52 Modified May, 25 2004, 08:48:44
Channel(s) 1 Samples/Scan 512 Bits/Sample 16
Scans/Second 100 Scans/Meter 78.7402 Meters/Mark 1.2192
Diel Constant 7

CHANNEL 1 400MHZ
Position 0 nS Range 53 nS
Range Gain (dB) -20.0 43.0 47.0
Position Correction -0.0750003 nS
Vert IIR LP N =1 F =800 MHz
Vert IIR HP N =1 F =100 MHz





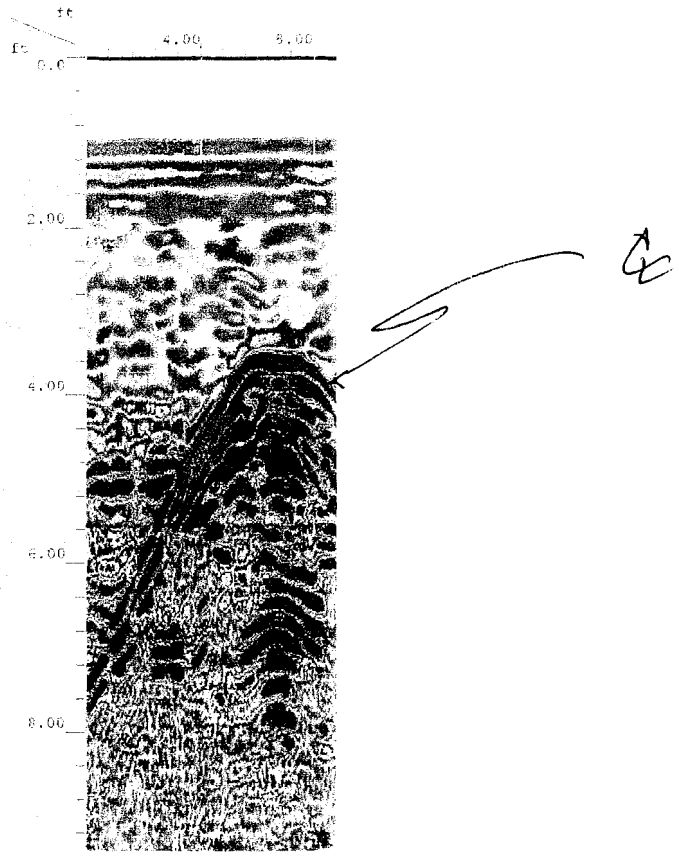

50.0
60.0
70.0
80.0

Parabolic feature of UST at B-28. Painted on site.

Created May, 25 2004, 08:31:28 Modified May, 25 2004, 08:31:50
Channel(s) 1 Samples/Scan 512 Bits/Sample 16
Scans/Second 100 Scans/Meter 78.7402 Meters/Mark 1.2192
Diel Constant 7

CHANNEL 1 400MHZ
Position 0 nS Range 53 nS
Range Gain (dB) -20.0 43.0 47.0
Position Correction -0.0750003 nS
Vert IIR LP N =1 F =800 MHz
Vert IIR HP N =1 F =100 MHz





CT18-2

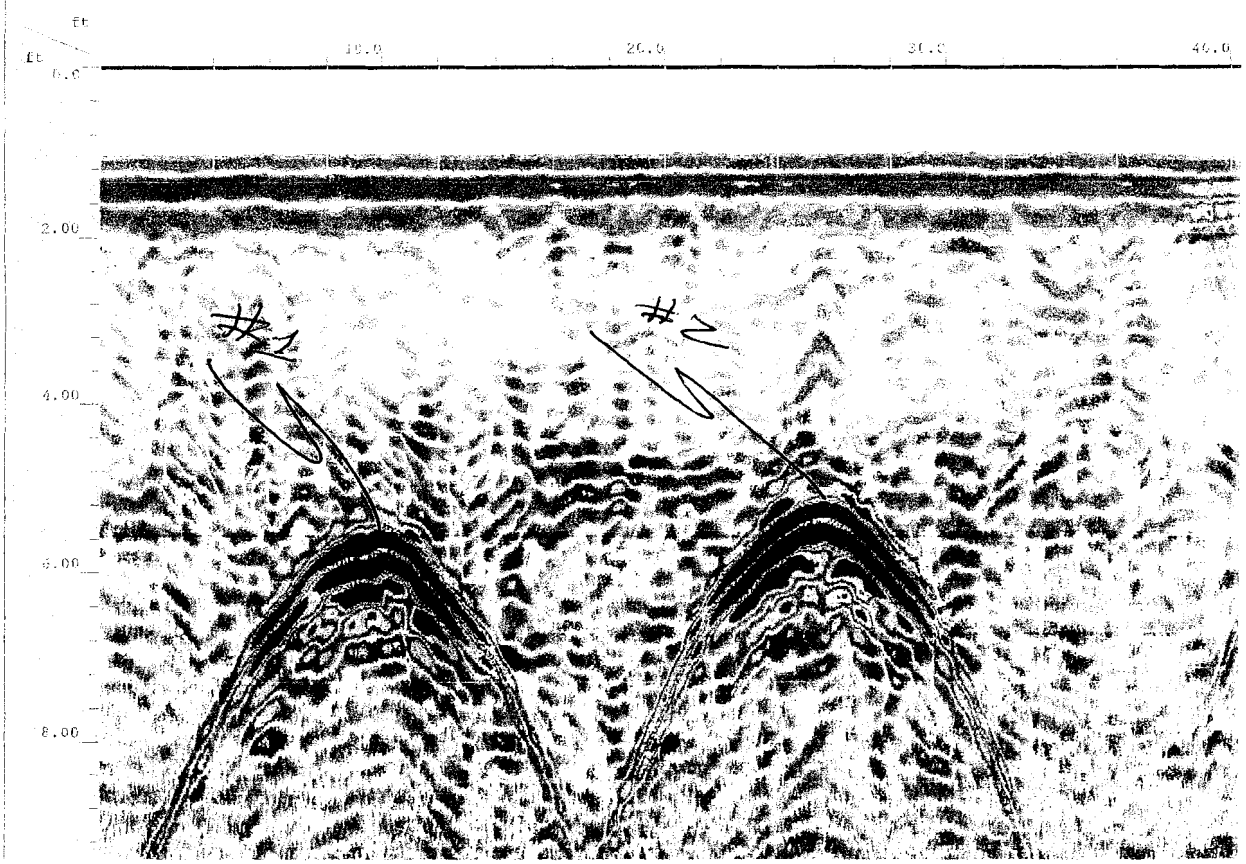
3-UST's found and marked in open field (tank farm) accross from B-28. A pipe was also marked in this area running in an easterly direction away from the tanks.

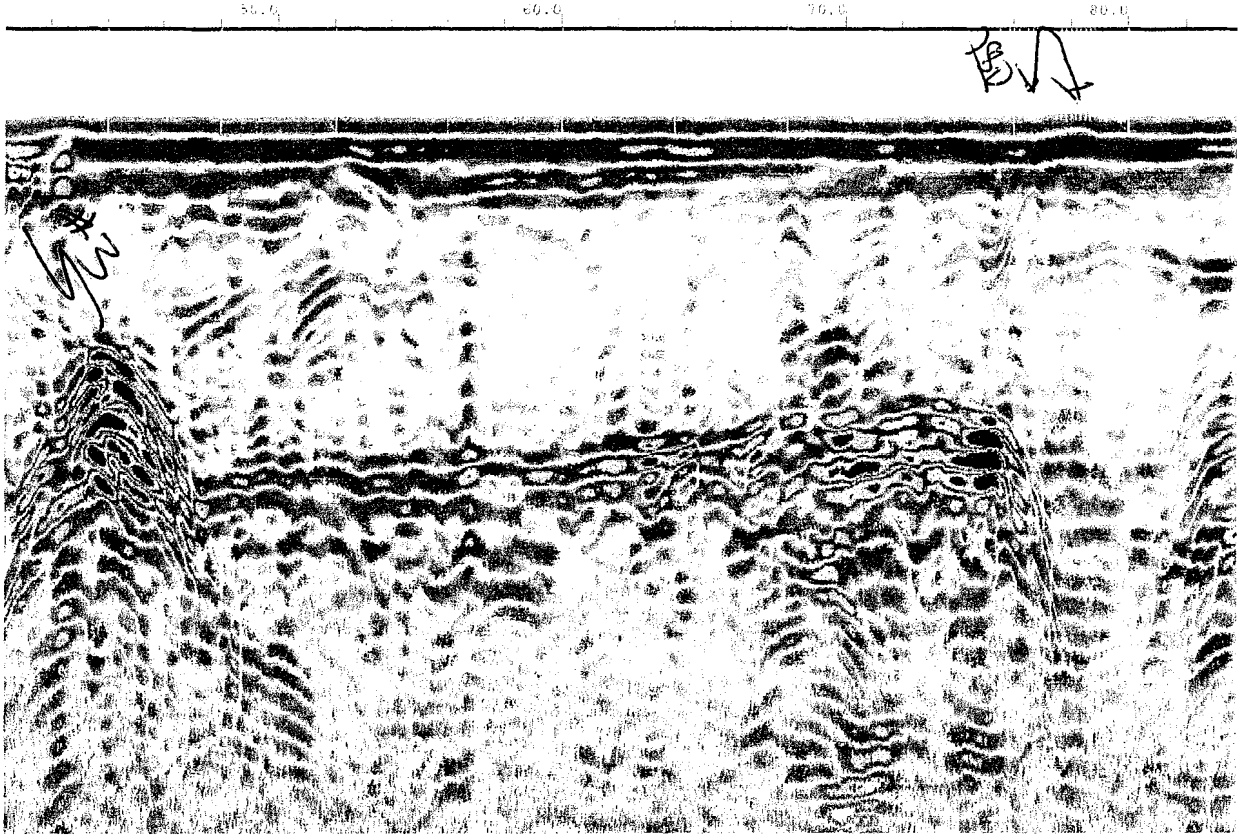
Created May, 25 2004, 10:17:04 Modified May, 25 2004, 10:19:02
Channel(s) 1 Samples/Scan 512 Bits/Sample 16
Scans/Second 100 Scans/Meter 78.7402 Meters/Mark 1.2192
Diel Constant 7

CHANNEL 1 400MHZ
Position 0 nS Range 53 nS
Vert IIR LP N =1 F =800 MHz
Vert IIR HP N =1 F =100 MHz
Position Correction -0.45 nS
Range Gain (dB) -19.0 29.0 44.0

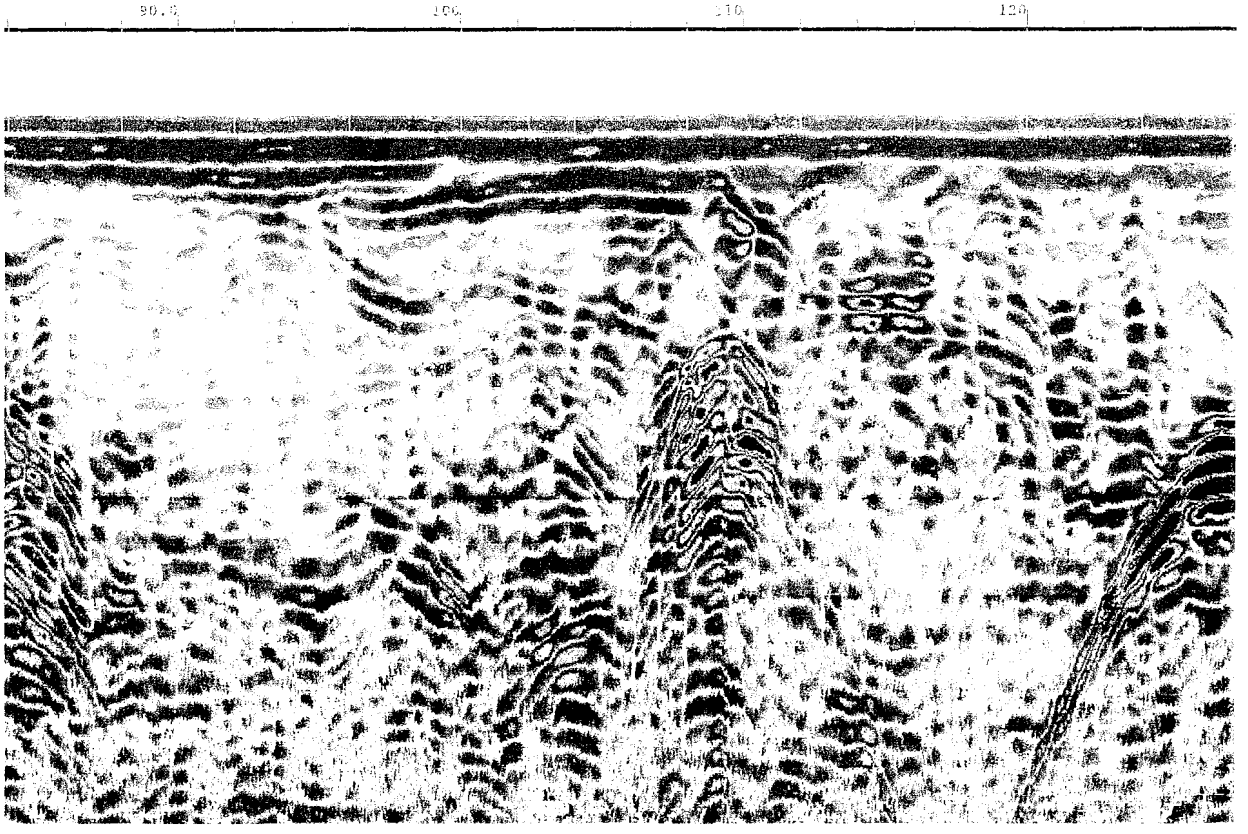
#1. - 18' x 8'
#2. 22' x 8'
#3 15' x 48"

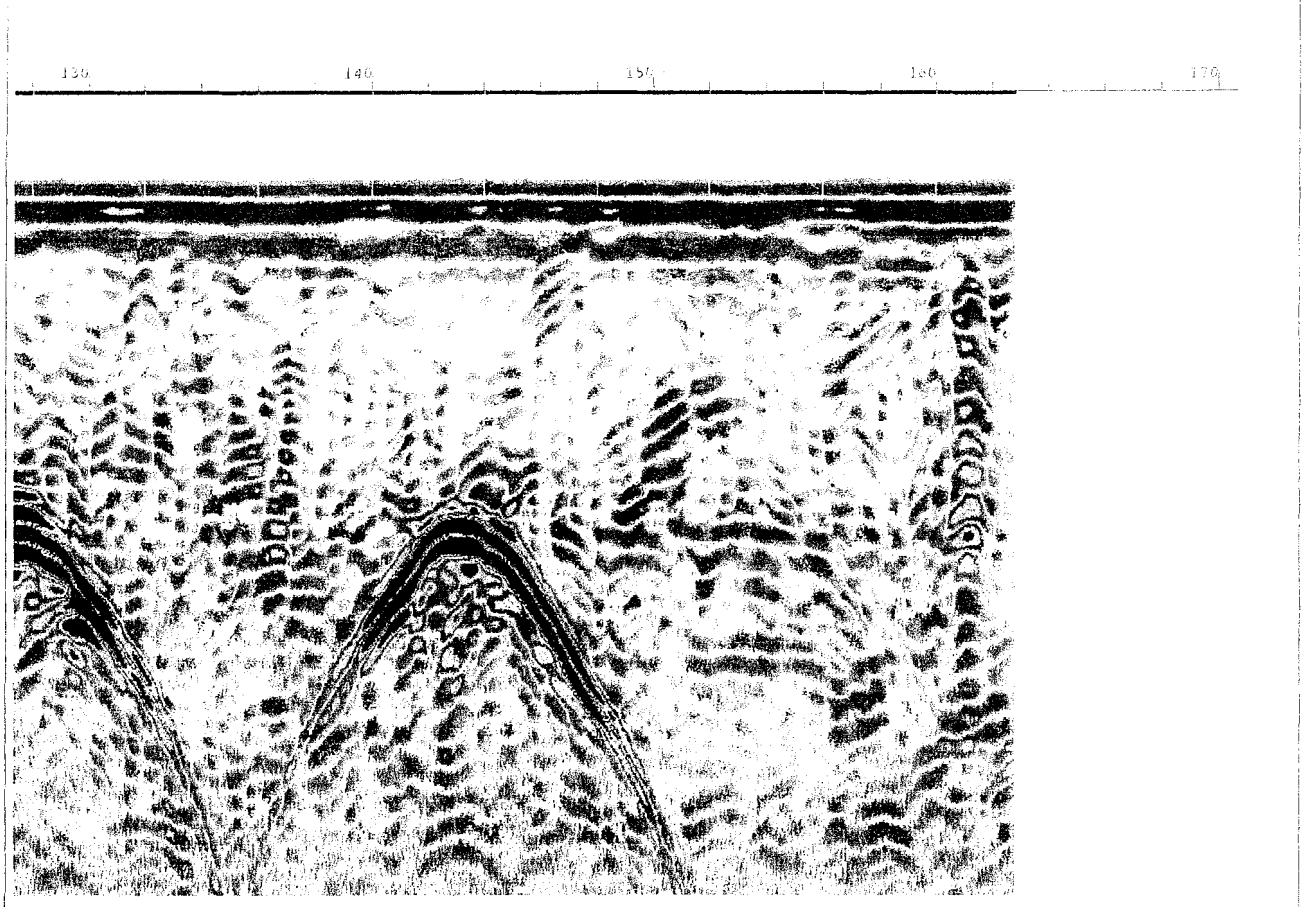





50.0
60.0
70.0
80.0



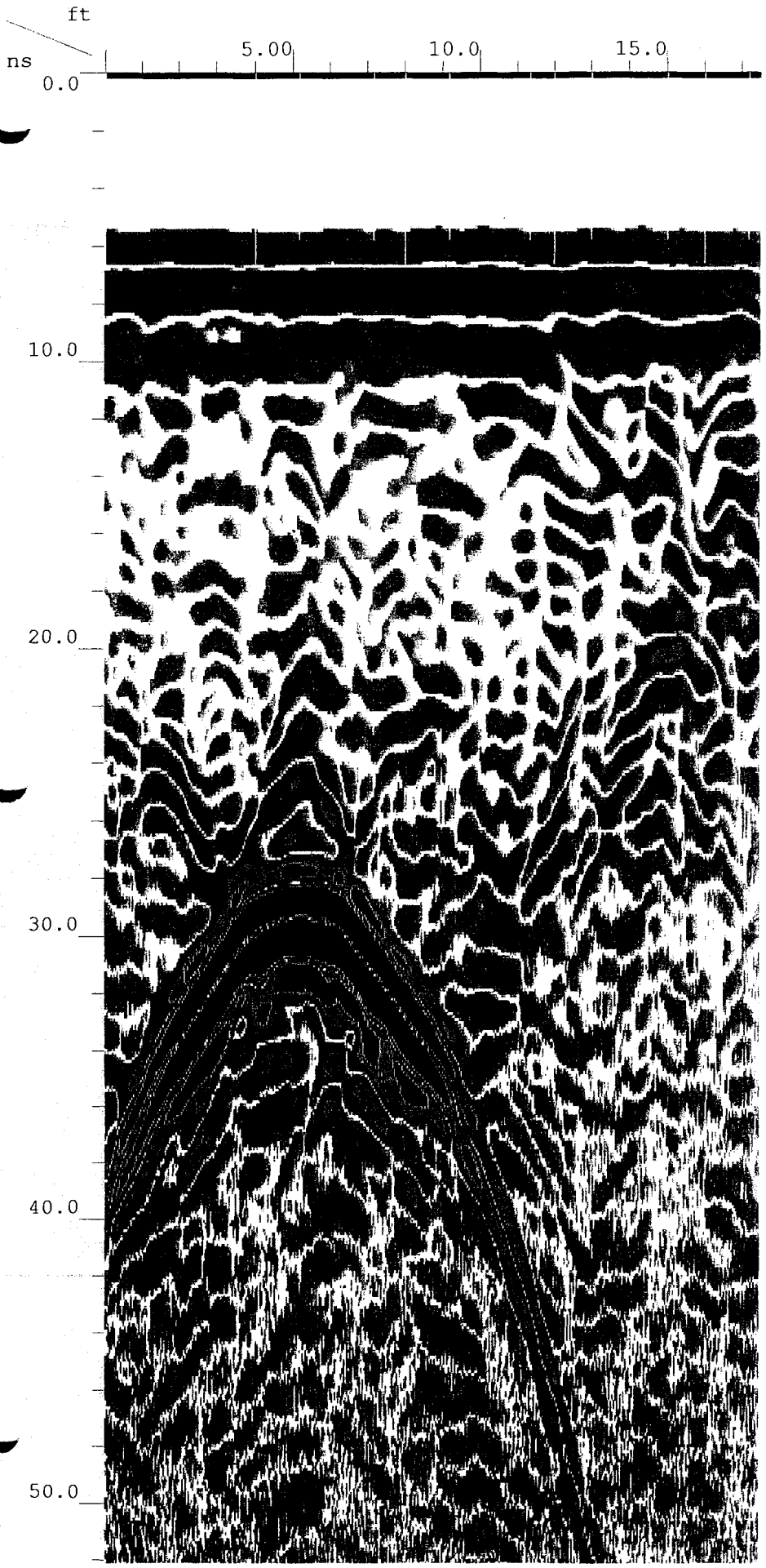

90.0
100
110
120


130
140
150
160
170

Crossing UST #1 (in tank farm area) showing width. Vertical benchmarks are at 2' intervals.

Created May, 25 2004, 10:28:22 Modified May, 25 2004, 10:30:08
Channel(s) 1 Samples/Scan 512 Bits/Sample 16
ns/Second 100 Scans/Meter 78.7402 Meters/Mark 1.2192
Diel Constant 7

CHANNEL 1 400MHZ
Position 0 nS Range 53 nS
Range Gain (dB) -19.0 29.0 44.0
Position Correction -0.45 nS
Vert IIR LP N =1 F =800 MHz
Vert IIR HP N =1 F =100 MHz


ft
ns
5.00
10.0
15.0
0.0
10.0
20.0
30.0
40.0
50.0

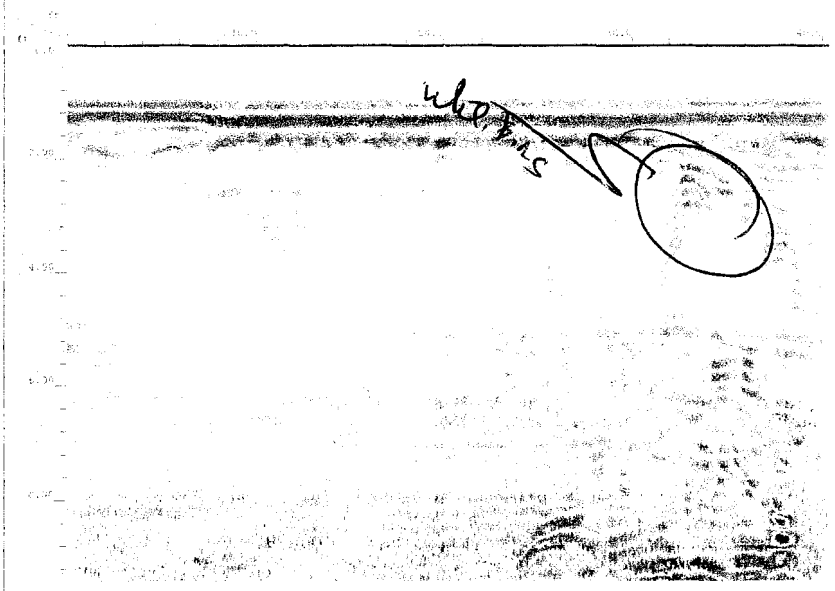
CT25-2

Over 850' of continuous east/west data in Area 2B which was partially vegetated. Some small parabolic features of possible pipes. No other unusual anomalies in this data.

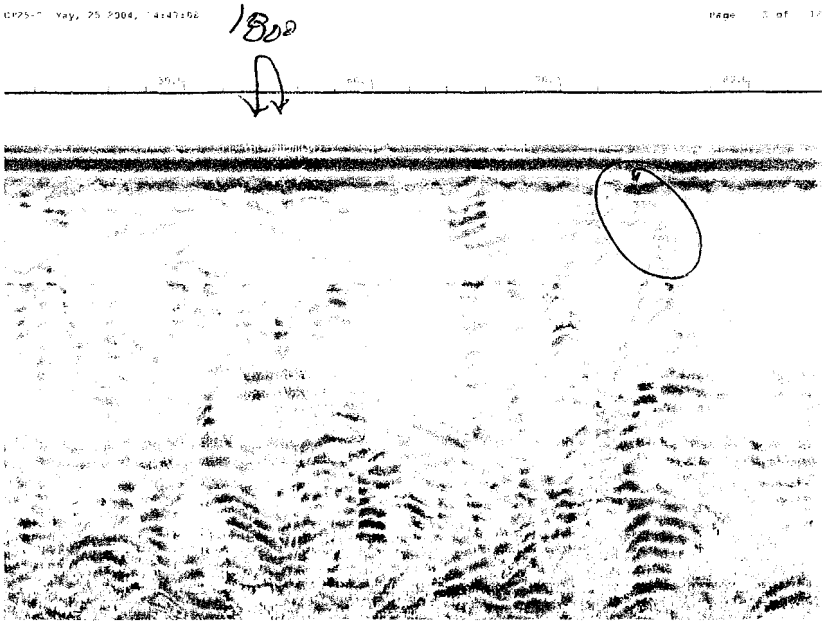
Created May, 25 2004, 14:43:22 Modified May, 25 2004, 14:47:08
Channels: 1 Samples/Scan 512 Bits/Samples 16
Scans/Second 100 Scans/Meter 78.3407 Meters/Yard .7192
Dual Cons.amt. 7

CHANNEL 1 400MHz
Position 6 nS Range 51 nS
Range Gain (dB) -20.0 26.9 42.0
Position Correction 0.0459987 nS
Vert Filter HF 0 =1 F =800 MHz
Vert Filter HF 0 =1 F =160 MHz

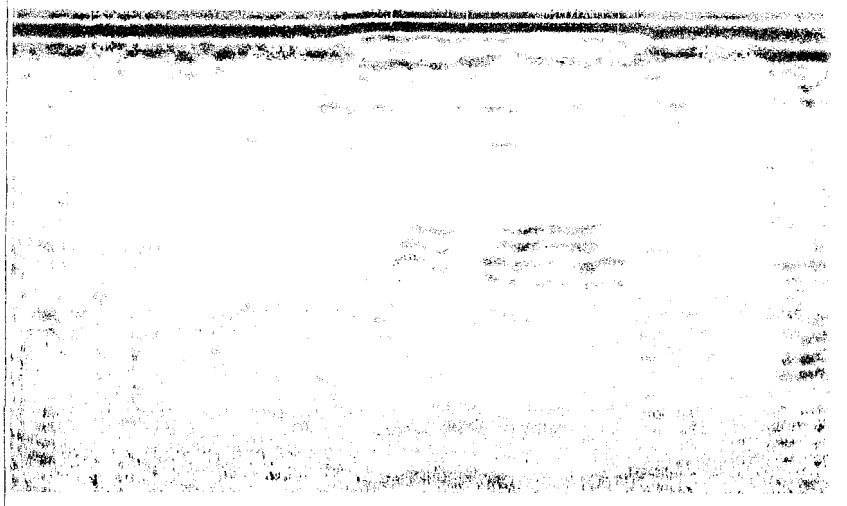






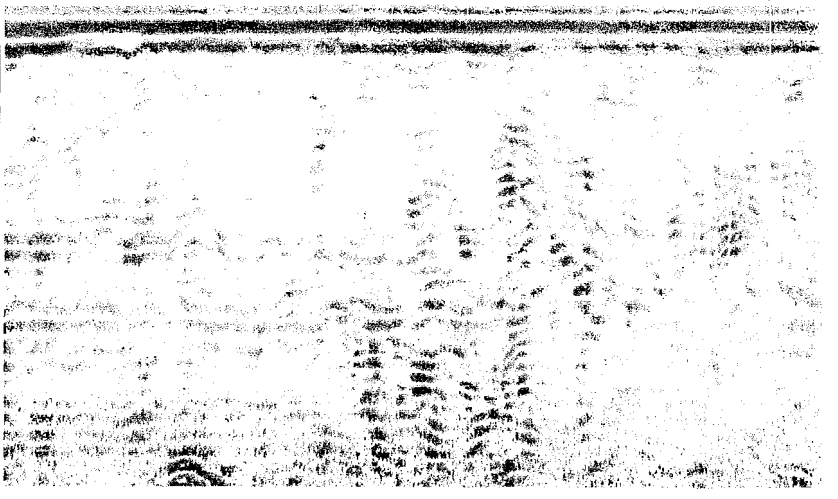



180

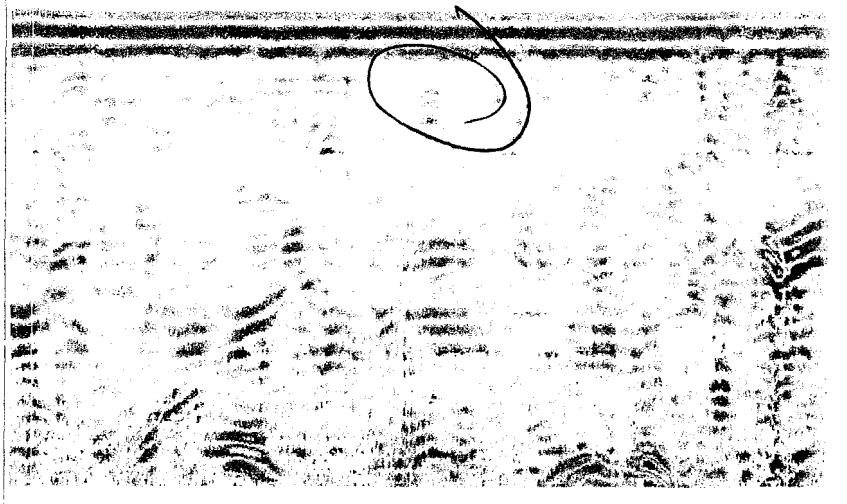


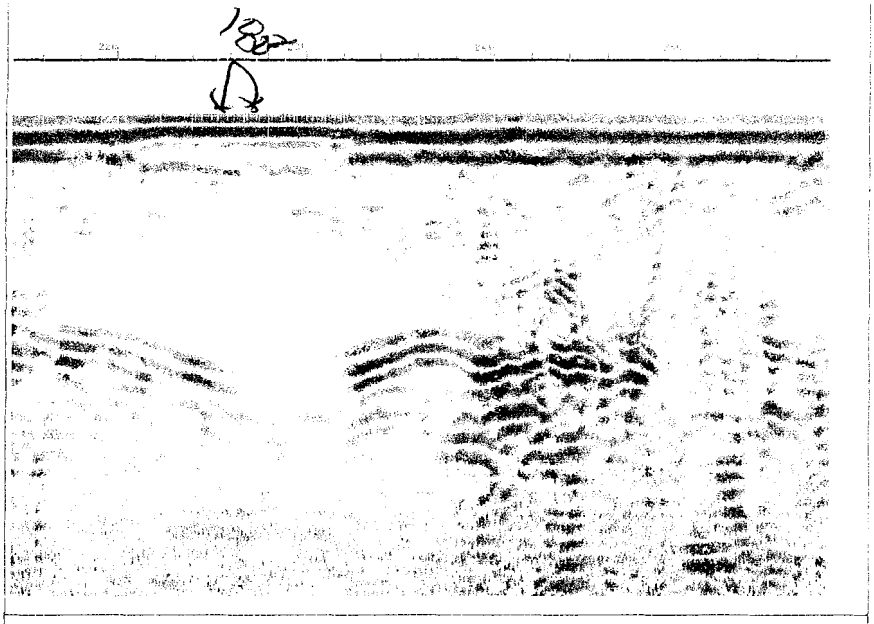


180

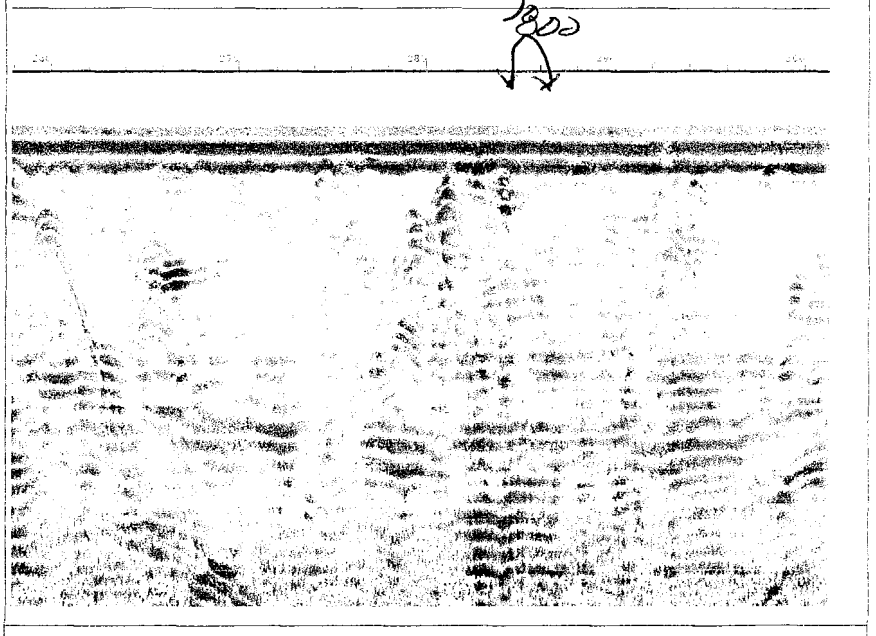




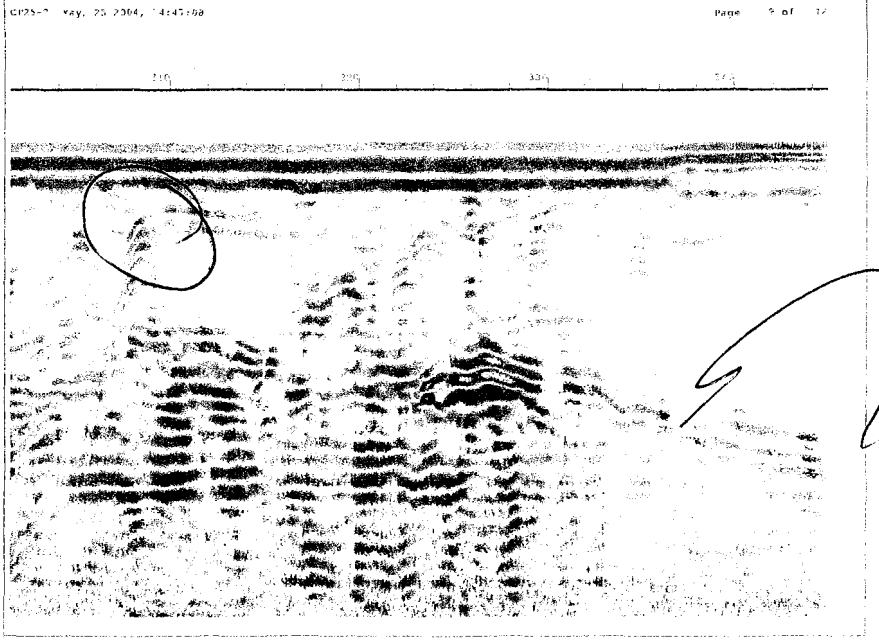


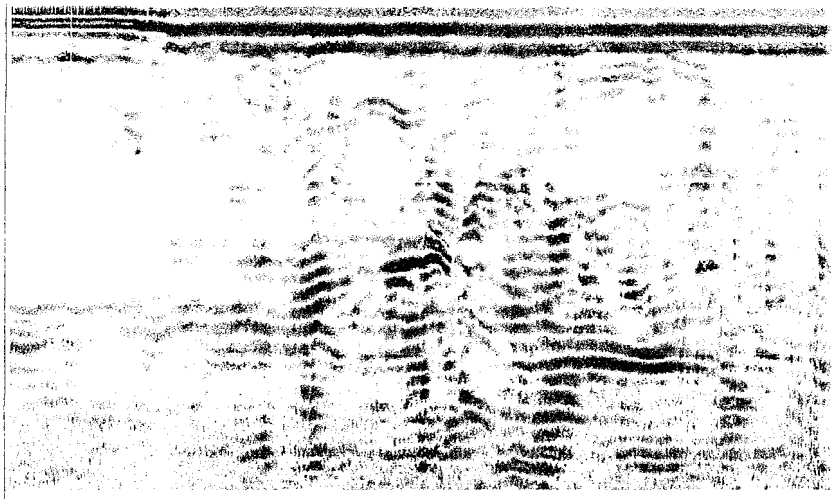




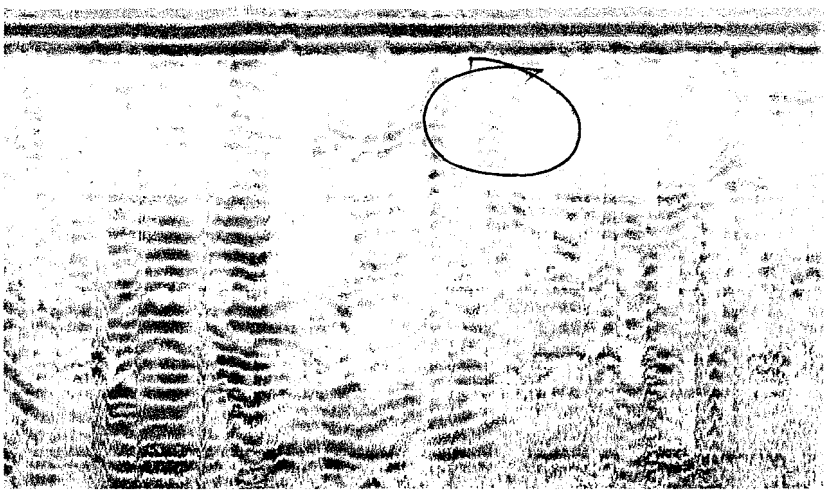




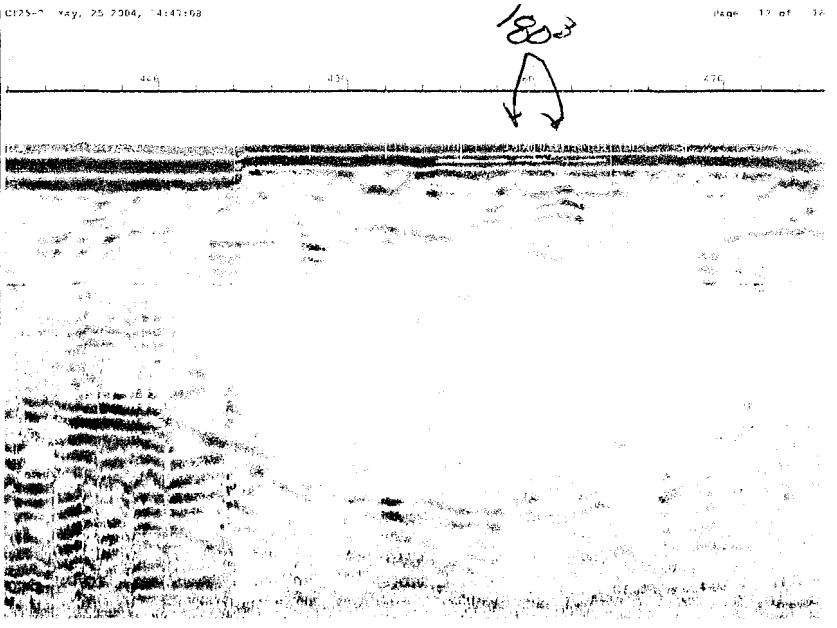


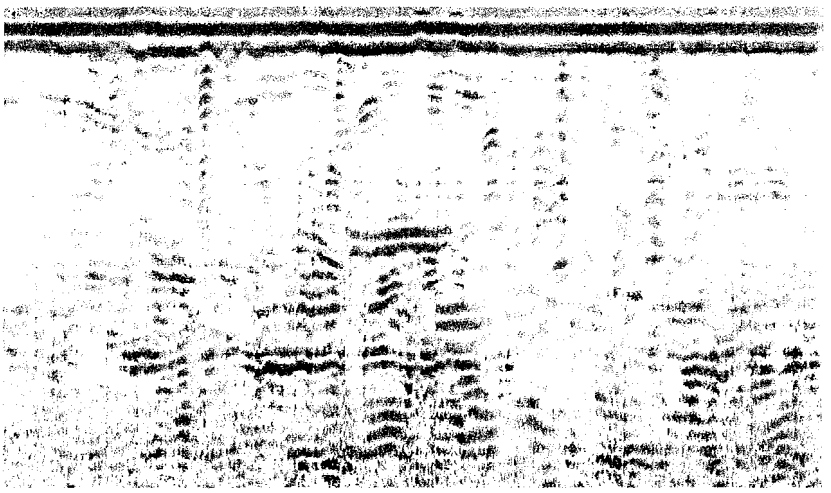




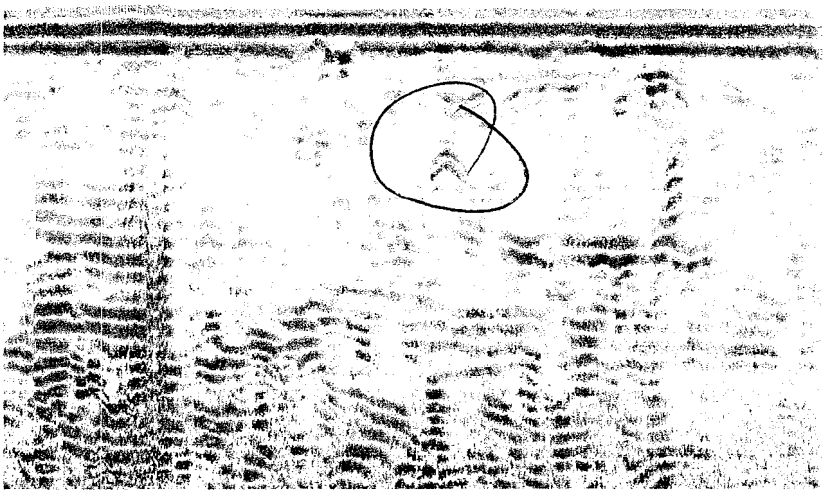




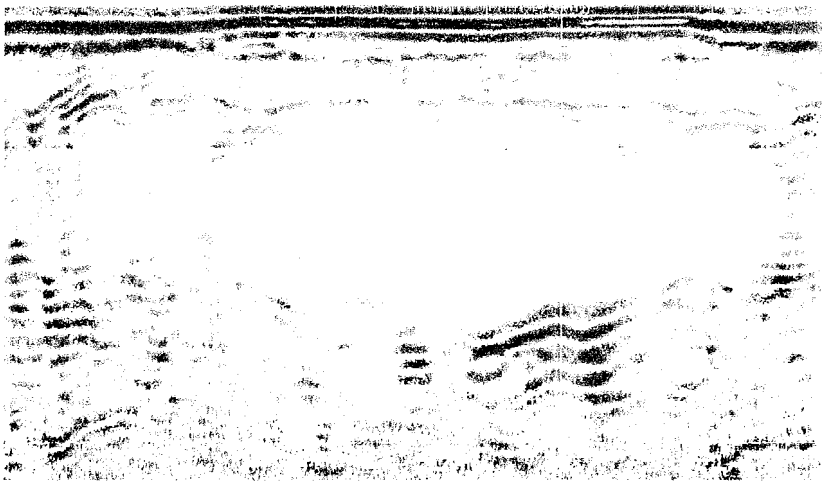

180°

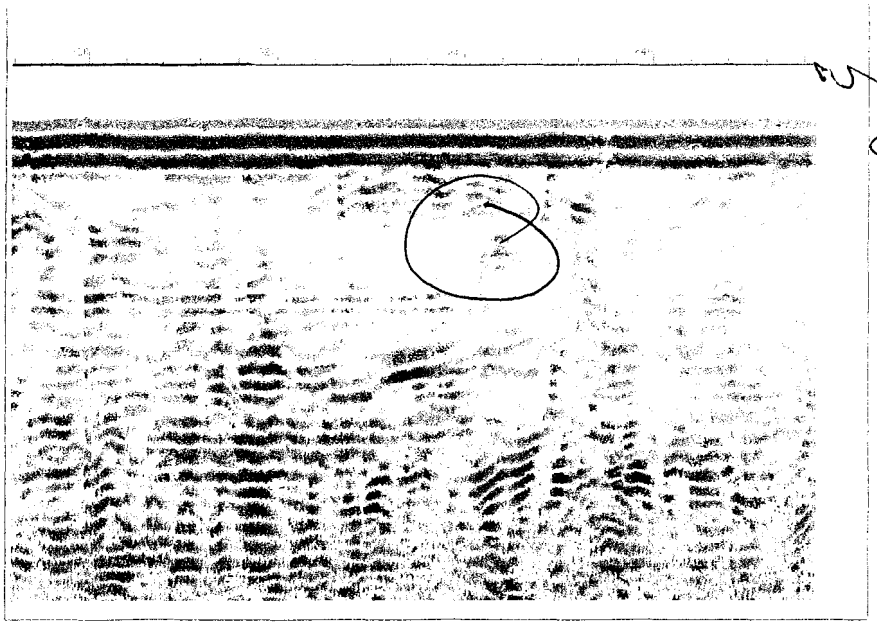











647'
End of
Run

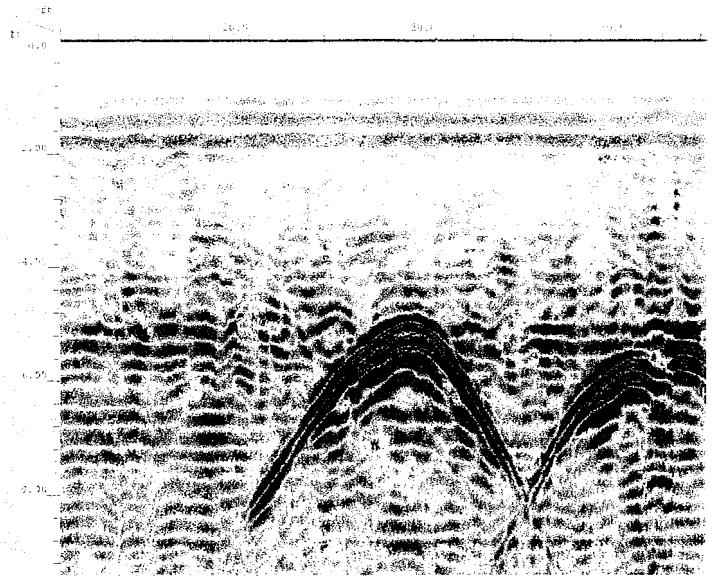
GT29-5

Crossing two of the three large USTs in Area 30. Three tanks were marked on site.

Created: May, 25 2004, 15:24:15 Modified: May, 25 2004, 15:25:58
Channels: 1 Samples/Scan: 512 Bits/Sample: 16
Scans/Second: 100 Scans/Meter: 76.7402 Meters/Mark: 1.2192
Dwell Constant: 7

CHANNEL 1: 400MHz
Position: 0 ns Range: 52 ns
Range Gain (dB): -20.0 42.0 46.0
Emitter Correction: -3.525 ns
Vert. HP: HP N=1 F=800 MHz
Vert. LP: HP N=1 F=100 MHz





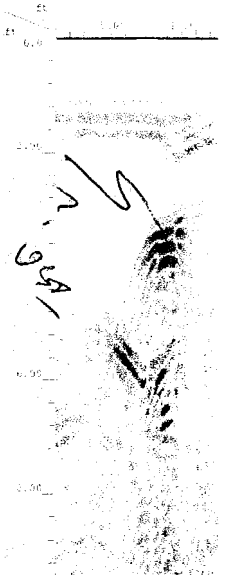
CT34-3

Suspect UST profile associated with the fill pipe at B-3. Painted on site.

Created: May, 26 2004, 09:16:37 Modified: May, 26 2004, 09:19:36
Channel(s): 1 Samples/Scan: 512 Bits/Sample: 16
Scans/Second: 100 Scans/Meter: 59.0551 Meters/Mark: 2.4384
Dielectric Constant: 7

CHANNEL 1: 400MHz
Position: 0 ns Range: 50 ns
Vert HP: IP N=1 F=400 MHz
Vert HP: HP N=1 F=100 MHz
Position Correction: 9.2 ns
Range Gain (dB): -76.0 23.3 46.6



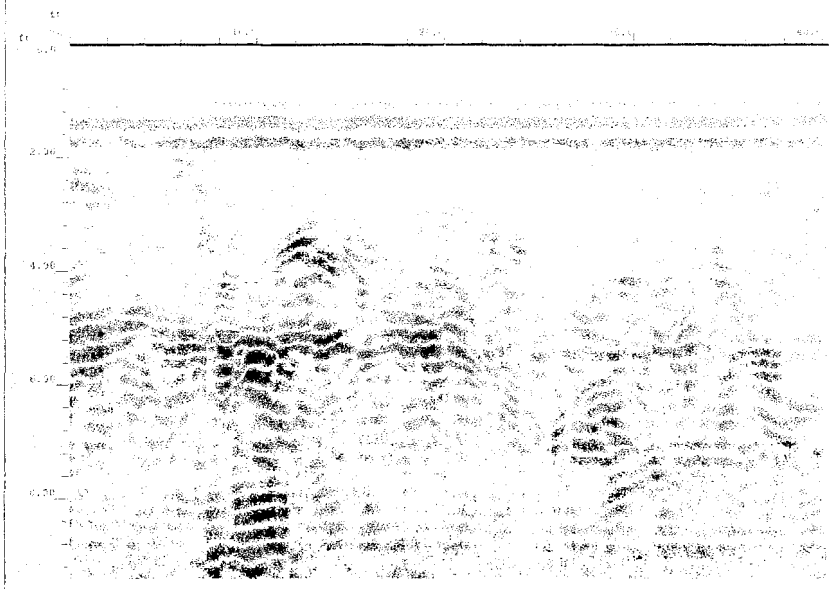


Continuous north/south scans at N-77. No evidence of tanks in this data.

Created May, 26 2004, 08:06:21 Modified May, 26 2004, 08:07:26
Channels: 1 Samples/Scan 512 Bits/Sample 16
Scans/Second 100 Scans/Meter 78.7402 Meters/Scan 1.2192
Uiel Corrsans 7

CHANNEL 1 400MHz
Position 0 nS Range 52 nS
Vert ITF LP N =1 F =400 MHz
Vert ITF HF N =1 F =100 MHz
Position Correction 7.2 nS
Range Gain (dB) -70.0 30.0 48.0









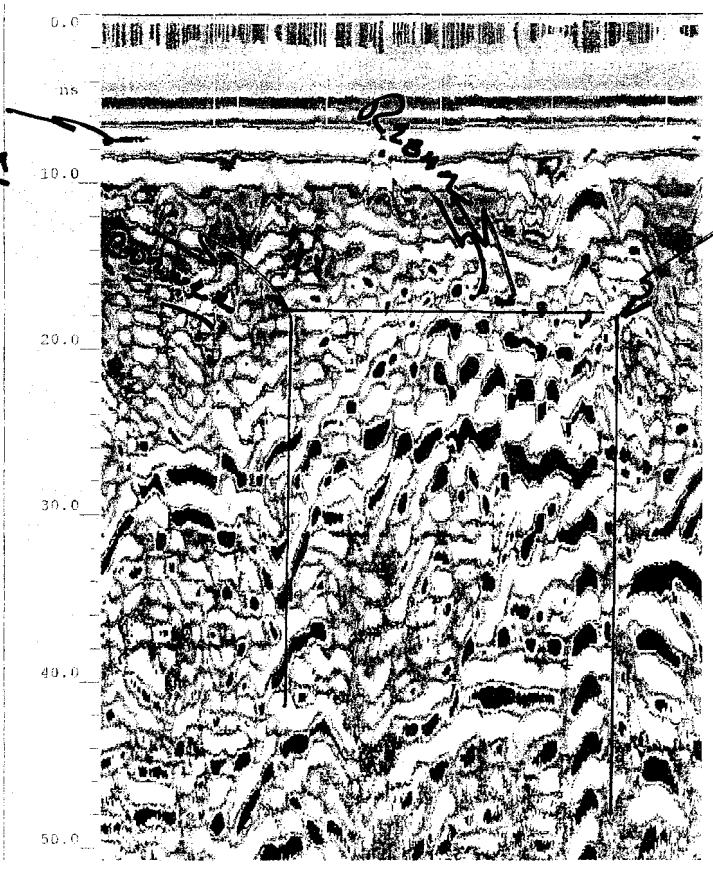
CT38-3

Profile of Bunker #8 showing rebar within the ceiling of the bunker. The edges are clear in the data and were painted on site on the day of the survey.

Created May, 26 2004, 13:16:34 Modified May, 26 2004, 13:18:14
Channel(s) 1 Samples/Scan 512 Bits/Sample 16
Scans/Second 100 Scans/Meter 78.7402 Meters/Mark 1.2192
Diel Constant 7

CHANNEL 1 400MHZ
Position 0 nS Range 53 nS
Vert IIR LP N =1 F =800 MHz
Vert IIR HP N =1 F =100 MHz
Position Correction -0.0750002 nS
Range Gain (dB) -20.0 31.0 45.0





## 5.0 ACQUIRING PROCEDURES

The acquiring of data from the field for the location and orientation of underground storage tanks, utilities, conduits w/in slab, rebar location, grave sites and other specific anomalies has been established by the *ground penetrating radar* for many years. Since 1988, Sub-Surface Information Surveys, Inc. has completed a multitude of successful investigations covering most phases of the *ground penetrating radar* profession. During an investigation, a cross-section of the project will be recorded on the hard drive of our computer. The data is then transferred, copied and duplicated to be made part of this report.

We do not necessarily record every traverse in most of our investigation since most of the information viewed on our monitor is related to the previous traverse. Traverses (I.e., profiles) are monitored on a constant basis. When a traverse is collected on the hard drive, it is also played back in the field for a second look. Where there is an *out-of-place characteristic*, it may be played back a number of times to determine its location and origin. This is recorded on the hard drive for further analyzing at our office. When specific anomalies are located, *all* are documented for reporting. Anomalies are marked in the field if requested to do so. Measurements are taken to identify the exact location such as a tank or utility.

During the start of all surveys, site characteristics and features must be documented to set the standard for that particular site such as soil conditions, conductive features, etc. While the survey is being conducted, there are periodic documentations which are used as a permanent visual comparison to confirm the standard of that site.

After the completion of our survey, it must be reasonably assured that the information is a true cross-section of the project and the information obtained is accurate according to our best professional efforts.

# GPR PRINCIPLES
# DIELECTRIC CONSTANTS
# TWO-WAY SLOWNESS

GROUND PENETRATING RADAR (GPR)...looks like an *X-ray* picture of the ground which is the typical initial impression of the graphic results obtained by radar. GPR, unlike sonic or seismic uses an electromagnetic (radio wave) antenna tuned to a frequency, which can penetrate most soils, rock, concrete, ice and other common natural and manmade materials. Such capabilities make GPR a prime technique to a multitude of tasks.

GPR determines subsurface conditions by sending pulses of high frequency radio waves into the ground from a transmitter antenna located on the surface. Subsurface structures and interfaces cause some of the wave energy to be reflected back to the surface, while the rest of the energy continues to penetrate deeper. A receiver antenna on the surface picks up the reflected wave energy. These signals are then processed and plotted in a distance versus time-depth display. Thus, as the radar antenna is slowly towed across the surface, a continuous cross-section *picture* of the subsurface is generated. The reflections are caused by wave responses at interfaces of materials having different electrical properties. These interfaces include many natural conditions such as bedding, cementation, changes in moisture and clay content, voids etc., as well as man-made objects.

PENETRATION of the radar signal is dependent on the conditions found at each site. Radar waves are attenuated (absorbed or scattered) by certain properties of the site's soil; the most important of which is the *electrical conductivity* of the material. Generally, better overall penetration is achieved in dry sandy soils; reduced penetration is achieved in moist, clayey or conductive soils. Radar penetration is excellent in massive dry materials such as granite, limestone and concrete. The following is a partial list of the approximate *dielectric constants* of certain materials:

| *MATERIAL* | *DIELECTRIC/C* | **TSm (ns/ft)* | **TSm (ns/m)* |
|---|---|---|---|
| AIR | 1 | 2 | 6.5 |
| FRESH WATER | 81 | 18 | 59 |
| SEA WATER | 81 | 18 | 59 |
| SAND-DRY | 4-6 | 4.5 | 15 |
| SAND-SATURATED | 30 | 11 | 36 |
| SILT-SATURATED | 10 | 6 | 20 |
| CLAY-SATURATED | 8-12 | 6 | 20 |
| DRY SANDY COASTAL LAND | 10 | 6 | 20 |
| MARSHY FORESTED FLAT LAND | 12 | 7 | 23 |
| RICH AGRICULTURAL LAND | 15 | 8 | 26 |
| PASTORAL LAND, HILLY | 13 | 7 | 23 |
| FRESH WATER ICE | 4 | 4 | 13 |
| PERMAFROST | 4-8 | 5 | 16 |
| GRANITE (DRY) | 5 | 4.5 | 15 |
| LIMESTONE (DRY) | 7-9 | 5 | 16 |
| DOLOMITE | 7-8 | 2.5 | 8 |
| QUARTZ | 4 | 4 | 13 |
| COAL | 4-5 | 4 | 13 |
| CONCRETE | 6 | 5 | 16 |
| ASPHALT | 3-5 | 4-5 | 13-16 |
| SEA ICE | 4-12 | 4-7 | 13-23 |
| PVC, EPOXY, VINYL POLYESTERS, RUBBER | 3 | 4 | 13 |

TSm = Two Way Slowness

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# GPR PRINCIPLES
# DIELECTRIC CONSTANTS
# TWO-WAY SLOWNESS

*Dielectric Constant* = This parameter is the value of the dielectric constant used to convert two-way travel time to depth. The value ranges from 1 to 81 and depends upon the dielectric properties of the subsurface materials being profiled. *WARNING:* Dielectric constants for various materials, and thus the resulting depth scales, are only approximations. Additional approximates of various materials are as follows:

| MATERIAL | D/C |
|---|---|
| Air | 1 |
| Snow Firm | 1.5 |
| Dry Loamy/Clayey Soils | 2.5 |
| Dry Clay | 4 |
| Dry Sands | 4 |
| Ice | 4 |
| Coal | 4.5 |
| Asphalt | 5 |
| Dry Granite | 5 |
| Frozen Sand & Gravel | 5 |
| Dry Concrete | 5.5 |
| Dry Limestone | 5.5 |
| Dry Sand & Gravel | 5.5 |
| Potash Ore | 5.5 |
| Dry Mineral/Sandy Soils | 6 |
| Dry Salt | 6 |
| Frozen Soil/Permafrost | 6 |
| Wet Sandstone | 6 |

| MATERIAL | D/C |
|---|---|
| Wet Granite | 6.5 |
| Travertine | 8 |
| West Limestone | 8 |
| Wet Basalt | 8.5 |
| Tills | 11 |
| Wet Concrete | 12.5 |
| Volcanic Ash | 13 |
| Wet Sands | 15 |
| Wet Sandy Soils | 23.5 |
| Dry Bauxite | 25 |
| Saturated Sands | 25 |
| Wet Clay | 27 |
| Peats | 61.5 |
| Organic Soils | 64 |
| Sea Water | 81 |
| Water | 81 |
| Syenite Porphyry | 6 |

| MATERIAL | T/ns/meters/ft |
|---|---|
| Snow | 8/2.5 |
| Asphalt | 14/4.5 |
| Wet concrete | 23/7 |
| Wet sands | 25.5/7.5 |
| Dry sand & gravel | 15.5/4.5 |
| Dry loamy/clayey soils | 10.5/3 |
| Organic soils | 52.5/16 |
| Frozen soil/permafrost | 16/5 |
| Peats | 51.5/15.5 |
| Dry clay | 13/4 |
| Wet granite | 16.5/5 |
| Volcanic ash | 23.5/7 |
| Dry bauxite | 33/10 |
| Travertine | 18.5/5.5 |
| Dry limestone | 15.5/4.5 |
| Wet sandstone | 16/5 |

| MATERIAL | T/ns/meters/ft |
|---|---|
| Water | 59/18 |
| Dry concrete | 15/4.5 |
| Dry sands | 13/4 |
| Saturated sands | 33/10 |
| Frozen sand & gravel | 14.5/4.5 |
| Dry mineral/sandy soils | 16/5 |
| Wet sandy soils | 32/9.5 |
| Tills | 22/6.5 |
| Wet clay | 34/10.5 |
| Dry granite | 14.5/4.5 |
| Wet basalt | 19/6 |
| Potash ore | 15/4.5 |
| Syenite porphyry | 16/5 |
| Coal | 14/4 |
| Wet limestone | 18.5/5.5 |
| Dry salt | 16/5 |

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# REPORT NOTES

DATE _____

DATE:_____

DATE: _____

DATE: _____

DATE: _____

# APPENDIX H

## Organic Vapor Headspace Analysis Logs

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | |
|---|---|---|---|
| PROJECT: Wright-Malta Site | | PROJECT #: 02.8049 | PAGE 1 OF 2 |
| CLIENT: SEDC | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | COLLECTED: 5/25/04 |
| INSTRUMENT USED: MiniRAE 2000 | LAMP 10.6 EV | | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | BY: JF | ANALYZED: 5/25/04 |
| TEMPERATURE OF SOIL: Ambient | | | ANALYST: Farron |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| BLD13-1KFO | | 0-4' | SOIL | 3.5 | 0.3 | No Odor/No Staining |
| BLD13-1KFO | | 4-8' | SOIL | 3.6 | 0.5 | No Odor/No Staining |
| BLD13-1KFO | | 8-10' | SOIL | 2.2 | 0.1 | No Odor/No Staining Lab Sample Interval |
| BLD13-1KFO | | 10-12' | SOIL | 2.1 | 0.2 | No Odor/No Staining |
| BLD13-1KFO | | 12-14' | SOIL | 2.0 | 0.3 | No Odor/No Staining |
| BLD13-1KFO | | 14-16' | SOIL | 1.3 | 0.3 | No Odor/No Staining |
| BLD13-1KFO | | 16-20' | SOIL | 0.3 | 0.3 | No Odor/No Staining |
| BLD13-1KFO | | 20-24' | SOIL | 0.2 | 0.2 | No Odor/No Staining |
| BLD28H-550FO | | 0-4' | SOIL | 1.0 | 0.3 | No Odor/No Staining |
| BLD28H-550FO | | 4-8' | SOIL | 0.3 | 0.3 | No Odor/No Staining |
| BLD28H-550FO | | 8-12' | SOIL | 0.2 | 0.2 | No Odor/No Staining Lab Sample Interval |
| BLD28H-550FO | | 12-16' | SOIL | 0.2 | 0.2 | No Odor/No Staining |
| BLD28H-550FO | | 16-20' | SOIL | 0.3 | 0.2 | No Odor/No Staining |
| BLD28H-550FO | | 20-24 | SOIL | 0.3 | 0.3 | No Odor/No Staining |
| B28TFB1 | | 0-4' | SOIL | 1.4 | 0.3 | No Odor/No Staining |
| B28TFB1 | | 2-4' | SOIL | 0.3 | 0.2 | No Odor/No Staining |
| B28TFB1 | | 4-8' | SOIL | 0.3 | 0.3 | No Odor/No Staining |
| B28TFB1 | | 8-12' | SOIL | 0.5 | 0.5 | No Odor/No Staining |
| B28TFB1 | | 12-16' | SOIL | 0.3 | 0.3 | No Odor/No Staining Lab Sample Interval |
| B28TFB1 | | 16-20' | SOIL | 0.3 | 0.3 | No Odor/No Staining |
| B28TFB1 | | 20-24 | SOIL | 0.3 | 0.3 | No Odor/No Staining |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | |
|---|---|---|---|
| PROJECT: Wright-Malta Site | | PROJECT #: 02.8049 | PAGE 2 OF 2 |
| CLIENT: SEDC | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | COLLECTED: 5/25/04 |
| INSTRUMENT USED: MiniRAE 2000 | LAMP 10.6 EV | | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | BY: JF | ANALYZED: 5/25/04 |
| TEMPERATURE OF SOIL: Ambient | | | ANALYST: Farron |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| B28TFB1 | | 24-28' | SOIL | 0.3 | 0.3 | No Odor/No Staining |
| B28TFB1 | | 28-32' | SOIL | 0.3 | 0.3 | No Odor/No Staining |
| B28TFB1 | | 32-36' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
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*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | | | | |
|---|---|---|---|---|---|---|
| PROJECT: Wright-Malta Site | | | | PROJECT #: | 02.8049 | PAGE 1 OF 2 |
| CLIENT: SEDC | | | | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | | | | COLLECTED: 5/26/04 |
| INSTRUMENT USED: MiniRAE 2000 | | | LAMP | 10.6 | EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | | | BY: JF | | ANALYZED: 5/26/04 |
| TEMPERATURE OF SOIL: Ambient | | | | | | ANALYST: Farron |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| BLD25-10KFO | | 0-4' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD25-10KFO | | 4-8' | SOIL | 2.8 | 0.5 | No Odor/No Staining |
| BLD25-10KFO | | 8-12' | SOIL | 2.7 | 2.4 | No Odor/No Staining |
| BLD25-10KFO | | 12-16' | SOIL | 4.2 | 4.1 | No Odor/No Staining Lab Sample Interval |
| BLD25-10KFO | | 16-20' | SOIL | 6.0 | 4.9 | No Odor/No Staining |
| BLD25-10KFO | | 20-24' | SOIL | 5.9 | 5.2 | No Odor/No Staining |
| B28TFB2 | | 0-4' | SOIL | 3.3 | 0.7 | No Odor/No Staining |
| B28TFB2 | | 4-8' | SOIL | 3.3 | 0.7 | No Odor/No Staining |
| B28TFB2 | | 8-12' | SOIL | 1.6 | 0.6 | No Odor/No Staining |
| B28TFB2 | | 12-16' | SOIL | 1.3 | 0.6 | No Odor/No Staining Lab Sample Interval |
| B28TFB2 | | 16-20' | SOIL | 4.7 | 1.3 | No Odor/No Staining |
| B28TFB2 | | 20-24' | SOIL | 1.3 | 1.3 | No Odor/No Staining |
| BLD14-3KGAS | | 0-4' | SOIL | 0.3 | 0.1 | No Odor/No Staining |
| BLD14-3KGAS | | 4-8' | SOIL | 0.4 | 0.2 | No Odor/No Staining |
| BLD14-3KGAS | | 8-12' | SOIL | 0.9 | 0.3 | No Odor/No Staining Lab Sample Interval |
| BLD14-3KGAS | | 12-16' | SOIL | 2.4 | 0.2 | No Odor/No Staining |
| BLD14-3KGAS | | 16-20' | SOIL | 0.7 | 0.1 | No Odor/No Staining |
| BLD14-3KGAS | | 20-24' | SOIL | 0.4 | 0.1 | No Odor/No Staining |
| BLD15-550GAS | | 0-4' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD15-550GAS | | 4-8' | SOIL | 0.1 | 0.0 | No Odor/No Staining |
| BLD15-550GAS | | 8-12' | SOIL | 0.0 | 0.0 | No Odor/No Staining Lab Sample Interval |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | | | | |
|---|---|---|---|---|---|---|
| PROJECT: Wright-Malta Site | | | | PROJECT #: | 02.8049 | PAGE 2 OF 2 |
| CLIENT: SEDC | | | | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | | | | COLLECTED: 5/26/04 |
| INSTRUMENT USED: MiniRAE 2000 | | | LAMP | 10.6 | EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | | | BY: JF | | ANALYZED: 5/26/04 |
| TEMPERATURE OF SOIL: Ambient | | | | | | ANALYST: Farron |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| BLD15-550GAS | | 12-16' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD15-550GAS | | 16-20' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD15-550GAS | | 20-24' | SOIL | 0.1 | 0.0 | No Odor/No Staining |
| BLD15-3KGAS | | 0-4' | SOIL | 2.1 | 0.0 | No Odor/No Staining |
| BLD15-3KGAS | | 4-6' | SOIL | 3.1 | 0.0 | No Odor/No Staining |
| BLD15-3KGAS | | 6-8' | SOIL | 7.7 | 0.0 | No Odor/No Staining |
| BLD15-3KGAS | | 8-10' | SOIL | 2.7 | 0.0 | No Odor/No Staining |
| BLD15-3KGAS | | 10-12' | SOIL | 2.7 | 0.0 | No Odor/No Staining Lab Sample Interval |
| BLD15-3KGAS | | 12-14' | SOIL | 4.9 | 0.0 | No Odor/No Staining |
| BLD15-3KGAS | | 14-16' | SOIL | 1.1 | 0.0 | No Odor/No Staining |
| BLD15-3KGAS | | 16-18' | SOIL | 5.3 | 0.0 | No Odor/No Staining |
| BLD15-3KGAS | | 18-20' | SOIL | 0.4 | 0.0 | No Odor/No Staining |
| BLD15-3KGAS | | 20-22' | SOIL | 0.6 | 0.0 | No Odor/No Staining |
| BLD15-3KGAS | | 22-24 | SOIL | 2.1 | 0.0 | No Odor/No Staining |
| BLD20-4KFO | | 0-4' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD20-4KFO | | 4-8' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD20-4KFO | | 8-12' | SOIL | 0.0 | 0.0 | No Odor/No Staining Lab Sample Interval |
| BLD20-4KFO | | 12-16' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD20-4KFO | | 16-20' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD20-4KFO | | 20-24' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| | | | | | | |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | | | | |
|---|---|---|---|---|---|---|
| PROJECT: Wright-Malta Site | | | PROJECT #: | 02.8049 | | PAGE 1 OF 4 |
| CLIENT: SEDC | | | | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | | | | COLLECTED: 5/26/04 |
| INSTRUMENT USED: MiniRAE 2000 | | | LAMP | 10.6 | EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | | | BY: JF | | ANALYZED: 5/26/04 |
| TEMPERATURE OF SOIL: Ambient | | | | | | ANALYST: JH |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| B-25 550GAS | S-1 | 0-4 | Grab | 0.0 | 0.0 | |
| " | S-2 | 4-6 | 2" Macro Core | 0.4-0.7 | 0.4-0.7 | |
| " | S-2 | 6-8 | 2" Macro Core | 0.4-0.7 | 0.4-0.7 | Lab sample interval |
| " | S-3 | 8-10 | 2" Macro Core | 3.7-4.1 | 3.7-4.1 | |
| " | S-3 | 10-12 | 2" Macro Core | 3.7-4.1 | 3.7-4.1 | |
| " | S-4 | 12-14 | 2" Macro Core | 4.0-4.5 | 4.0-4.5 | |
| " | S-4 | 14-16 | 2" Macro Core | 4.0-4.5 | 4.0-4.5 | |
| " | S-5 | 16-18 | 2" Macro Core | 5.0-6.0 | 5.0-6.0 | |
| " | S-5 | 18-20 | 2" Macro Core | 5.0-6.0 | 5.0-6.0 | |
| " | S-6 | 20-22 | 2" Macro Core | 4.5-5.5 | 4.5-5.5 | |
| " | S-6 | 22-24 | 2" Macro Core | 4.5-5.5 | 4.5-5.5 | |
| B-6H 550 | S-1 | 0-4 | Grab | 3.0-4.0 | 1.0-2.0 | |
| " | S-2 | 4-6 | 2" Macro Core | 1.5-2.5 | 1.0-2.0 | |
| " | S-2 | 6-8 | 2" Macro Core | 1.5-2.5 | 1.0-2.0 | Lab sample interval |
| " | S-3 | 8-10 | 2" Macro Core | 1.2-1.5 | 0.8-1.0 | |
| " | S-3 | 10-12 | 2" Macro Core | 3.0-3.2 | 0.8-1.0 | |
| " | S-4 | 12-14 | 2" Macro Core | 1.3-1.6 | 0.2-0.5 | |
| " | S-4 | 14-16 | 2" Macro Core | 0.9-1.2 | 0.2-0.5 | |
| " | S-5 | 16-18 | 2" Macro Core | 0.7-0.9 | 0.2-0.5 | |
| " | S-5 | 18-20 | 2" Macro Core | 0.8-1.2 | 0.2-0.5 | |
| " | S-6 | 20-24 | 2" Macro Core | 0.3-0.5 | 0.1-0.2 | |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | |
|---|---|---|---|
| PROJECT: Wright-Malta Site | | PROJECT #: 02.8049 | PAGE 2 OF 4 |
| CLIENT: SEDC | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | COLLECTED: 5/26/04 |
| INSTRUMENT USED: MiniRAE 2000 | LAMP 10.6 EV | | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | BY: JF | ANALYZED: 5/26/04 |
| TEMPERATURE OF SOIL: Ambient | | | ANALYST: JH |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| B-14 4KFO | S-1 | 0-4 | Grab | 0.7 | 0.1-0.3 | |
| " | S-2 | 4-6 | 2" Macro Core | 0.2-0.5 | 0.1-0.3 | |
| " | S-2 | 6.2 | 2" Macro Core | 1.8 | 0.1-0.3 | Thin, dark organic? Seam |
| " | S-2 | 6.5-8 | 2" Macro Core | 0.2-0.5 | 0.1-0.3 | |
| " | S-3 | 8-10 | 2" Macro Core | 0.2-0.7 | 0.1-0.3 | |
| " | S-3 | 10-12 | 2" Macro Core | 0.2-0.7 | 0.1-0.3 | Lab sample interval |
| " | S-4 | 12-14 | 2" Macro Core | 0.2-0.7 | 0.1-0.3 | |
| " | S-4 | 14-16 | 2" Macro Core | 0.2-0.7 | 0.1-0.3 | |
| " | S-5 | 16-18 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-5 | 18-20 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-6 | 20-22 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-6 | 22-24 | 2" Macro Core | 0.0 | 0.0 | |
| B-13 1KFO | S-1 | 0-4 | Grab | 0.3 | 0.0 | |
| " | S-2 | 4-6 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-2 | 6-8 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-3 | 8-10 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-3 | 10-12 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-4 | 12-14 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-4 | 14-16 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-5 | 16-18 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-5 | 18-20 | 2" Macro Core | 0.0 | 0.0 | |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | |
|---|---|---|---|
| PROJECT: Wright-Malta Site | PROJECT #: | 02.8049 | PAGE 3 OF 4 |
| CLIENT: SEDC | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | COLLECTED: 5/26/04 |
| INSTRUMENT USED: MiniRAE 2000 | LAMP | 10.6 EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | BY: JF | ANALYZED: 5/26/04 |
| TEMPERATURE OF SOIL: Ambient | | | ANALYST: JH |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)*** | REMARKS |
|---|---|---|---|---|---|---|
| B-13 1KFO | S-6 | 20-22 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-6 | 22-24 | 2" Macro Core | 0.0 | 0.0 | |
| B-15 550FO | S-1 | 0-4 | Grab | 0.3 | 0.0 | |
| " | S-2 | 4-6 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-2 | 6-8 | 2" Macro Core | 0.0 | 0.0 | Lab sample interval |
| " | S-3 | 8-10 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-3 | 10-12 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-4 | 12-14 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-4 | 14-16 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-5 | 16-18 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-5 | 18-20 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-6 | 20-22 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-6 | 22-24 | 2" Macro Core | 0.0 | 0.0 | |
| B-20 5KFO | S-1 | 0-4 | Grab | 0.0 | 0.0 | |
| " | S-2 | 4-6 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-2 | 6-8 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-3 | 8-10 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-3 | 10-12 | 2" Macro Core | 0.0 | 0.0 | Lab sample interval |
| " | S-4 | 12-14 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-4 | 14-16 | 2" Macro Core | 0.0 | 0.0 | |
| " | S-5 | 16-18 | 2" Macro Core | 0.0 | 0.0 | |

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**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | |
|---|---|---|---|
| PROJECT: Wright-Malta Site | | PROJECT #: 02.8049 | PAGE 4 OF 4 |
| CLIENT: SEDC | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | COLLECTED: 5/26/04 |
| INSTRUMENT USED: MiniRAE 2000 | LAMP 10.6 | EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | BY: JF | ANALYZED: 5/26/04 |
| TEMPERATURE OF SOIL: Ambient | | | ANALYST: JH |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| B-20 5KFO | S-5 | 18-20 | 2' Macro Core | 0.0 | 0.0 | |
| " | S-6 | 20-22 | 2' Macro Core | 0.0 | 0.0 | |
| " | S-6 | 22-24 | 2' Macro Core | 0.0 | 0.0 | |
| END | | | | | | |
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*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | | | | |
|---|---|---|---|---|---|---|
| PROJECT: Wright-Malta Site | | | | PROJECT #: | 02.8049 | PAGE 1 OF 2 |
| CLIENT: SEDC | | | | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | | | | COLLECTED: 5/27/04 |
| INSTRUMENT USED: MiniRAE 2000 | | | LAMP | 10.6 | EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | | | BY: JF | | ANALYZED: 5/27/04 |
| TEMPERATURE OF SOIL: Ambient | | | | | | ANALYST: Farron |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| BLD20H-550GAS | | 0-4' | SOIL | 0.1 | 0.0 | No Odor/No Staining |
| BLD20H-550GAS | | 4-8' | SOIL | 0.2 | 0.0 | No Odor/No Staining Lab Sample Interval |
| BLD20H-550GAS | | 8-12' | SOIL | 0.1 | 0.1 | No Odor/No Staining |
| BLD20H-550GAS | | 12-16' | SOIL | 0.1 | 0.0 | No Odor/No Staining |
| BLD20H-550GAS | | 16-20' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD20H-550GAS | | 20-24' | SOIL | 0.4 | 0.0 | No Odor/No Staining |
| BLD26-6KFO | | 0-4' | SOIL | 1.8 | 0.0 | No Odor/No Staining |
| BLD26-6KFO | | 4-8' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD26-6KFO | | 8-12' | SOIL | 0.0 | 0.0 | No Odor/No Staining Lab Sample Interval |
| BLD26-6KFO | | 12-16' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD26-6KFO | | 16-20' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD26-6KFO | | 20-24' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD23P-3K | | 0-4' | SOIL | 2.0 | 0.0 | No Odor/No Staining |
| BLD23P-3K | | 4-8' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD23P-3K | | 8-12' | SOIL | 0.0 | 0.0 | No Odor/No Staining Lab Sample Interval |
| BLD23P-3K | | 12-16' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD23P-3K | | 16-20' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD23P-3K | | 20-24' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD10-UST | | 0-4' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD10-UST | | 4-8' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD10-UST | | 8-12' | SOIL | 0.0 | 0.0 | No Odor/No Staining Lab Sample Interval |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | |
|---|---|---|---|
| PROJECT: Wright-Malta Site | | PROJECT #: 02.8049 | PAGE 2 OF 2 |
| CLIENT: SEDC | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | COLLECTED: 5/27/04 |
| INSTRUMENT USED: MiniRAE 2000 | LAMP 10.6 EV | | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | BY: JF | ANALYZED: 5/27/04 |
| TEMPERATURE OF SOIL: Ambient | | | ANALYST: Farron |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| BLD10-UST | | 12-16' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD10-UST | | 16-20' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD10-UST | | 20-24' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD25A-10K | | 0-4' | SOIL | 1.6 | 0.0 | No Odor/No Staining |
| BLD25A-10K | | 4-8' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD25A-10K | | 8-12' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD25A-10K | | 12-16' | SOIL | 0.0 | 0.0 | No Odor/No Staining Lab Sample Interval |
| BLD25A-10K | | 16-20' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD25A-10K | | 20-24' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD25H-UST | | 0-4' | SOIL | 1.5 | 0.0 | No Odor/No Staining |
| BLD25H-UST | | 4-8' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD25H-UST | | 8-12' | SOIL | 0.0 | 0.0 | No Odor/No Staining Lab Sample Interval |
| BLD25H-UST | | 12-16' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD25H-UST | | 16-20' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD25H-UST | | 20-24' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD16-1KFO | | 0-4' | SOIL | 0.5 | 0.0 | No Odor/No Staining |
| BLD16-1KFO | | 4-8' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD16-1KFO | | 8-12' | SOIL | 0.0 | 0.0 | No Odor/No Staining Lab Sample Interval |
| BLD16-1KFO | | 12-16' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD16-1KFO | | 16-20' | SOIL | 0.0 | 0.0 | No Odor/No Staining |
| BLD16-1KFO | | 20-24' | SOIL | 0.0 | 0.0 | No Odor/No Staining |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | |
|---|---|---|---|
| PROJECT: Wright-Malta Site | PROJECT #: | 02.8049 | PAGE 1 OF 3 |
| CLIENT: SEDC | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | COLLECTED: 5/27/04 |
| INSTRUMENT USED: MiniRAE 2000 | LAMP | 10.6 EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | BY: JF | ANALYZED: 5/27/04 |
| TEMPERATURE OF SOIL: Ambient | | | ANALYST: JH |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| B-7H 550FO | S-1 | 0-4 | Grab | 1.5 | 1.5 | |
| " | S-2 | 4-6 | 2" Macro Core | 1.5 | 1.5 | |
| " | S-2 | 6-8 | 2" Macro Core | 1.6 | 1.5 | Lab sample interval |
| " | S-3 | 8-10 | 2" Macro Core | 1.7 | 1.6 | |
| " | S-3 | 10-12 | 2" Macro Core | 1.7 | 1.6 | |
| " | S-4 | 12-14 | 2" Macro Core | 7.3 | 2.0 | Slight petro odor |
| " | S-4 | 14-16 | 2" Macro Core | 2.2 | 2.0 | |
| " | S-5 | 16-18 | 2" Macro Core | 1.5 | 1.3 | |
| " | S-5 | 18-20 | 2" Macro Core | 1.4 | 1.3 | |
| " | S-6 | 20-22 | 2" Macro Core | 1.3 | 1.3 | |
| " | S-6 | 22-24 | 2" Macro Core | 1.3 | 1.3 | |
| B-30 10KFO | S-1 | 0-4 | Grab | 1.1 | 1.1 | |
| " | S-2 | 4-6 | 2" Macro Core | 1.2 | 1.2 | |
| " | S-2 | 6-8 | 2" Macro Core | 1.2 | 1.2 | |
| " | S-3 | 8-10 | 2" Macro Core | 1.1 | 1.1 | |
| " | S-3 | 10-12 | 2" Macro Core | 1.1 | 1.1 | |
| " | S-4 | 12-14 | 2" Macro Core | 1.1 | 1.1 | Lab sample interval |
| " | S-4 | 14-16 | 2" Macro Core | 1.1 | 1.1 | |
| " | S-5 | 16-18 | 2" Macro Core | 1.2 | 1.2 | |
| " | S-5 | 18-20 | 2" Macro Core | 1.2 | 1.2 | |
| " | S-6 | 20-22 | 2" Macro Core | 1.1 | 1.1 | |
| " | S-6 | 22-24 | 2" Macro Core | 1.1 | 1.1 | |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | | | | |
|---|---|---|---|---|---|---|
| PROJECT: Wright-Malta Site | | | | PROJECT #: | 02.8049 | PAGE 2 OF 3 |
| CLIENT: SEDC | | | | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | | | | COLLECTED: 5/27/04 |
| INSTRUMENT USED: MiniRAE 2000 | | | LAMP | 10.6 | EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | | | BY: JF | | ANALYZED: 5/27/04 |
| TEMPERATURE OF SOIL: Ambient | | | | | | ANALYST: JH |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| B-6A 550FO | S-1 | 0-4 | Grab | 1.4 | 1.4 | |
| " | S-2 | 4-6 | 2" Macro Core | 1.3 | 1.3 | |
| " | S-2 | 6-8 | 2" Macro Core | 1.3 | 1.3 | Lab sample interval |
| " | S-3 | 8-10 | 2" Macro Core | 1.3 | 1.3 | |
| " | S-3 | 10-12 | 2" Macro Core | 1.3 | 1.3 | |
| " | S-4 | 12-14 | 2" Macro Core | 1.2 | 1.2 | |
| " | S-4 | 14-16 | 2" Macro Core | 1.2 | 1.2 | |
| " | S-5 | 16-18 | 2" Macro Core | 1.1 | 1.1 | |
| " | S-5 | 18-20 | 2" Macro Core | 1.1 | 1.1 | |
| " | S-6 | 20-22 | 2" Macro Core | 1.2 | 1.2 | |
| " | S-6 | 22-24 | 2" Macro Core | 1.2 | 1.2 | |
| B-5A 550FO | S-1 | 0-4 | Grab | 1.5 | 1.5 | |
| " | S-2 | 4-6 | 2" Macro Core | 1.5 | 1.5 | |
| " | S-2 | 6-8 | 2" Macro Core | 1.5 | 1.5 | Lab sample interval |
| " | S-3 | 8-10 | 2" Macro Core | 1.4 | 1.4 | |
| " | S-3 | 10-12 | 2" Macro Core | 1.4 | 1.4 | |
| " | S-4 | 12-14 | 2" Macro Core | 1.3 | 1.3 | |
| " | S-4 | 14-16 | 2" Macro Core | 1.3 | 1.3 | |
| " | S-5 | 16-17.7 | 2" Macro Core | 1.3 | 1.3 | |
| END | | | | | | |
| | | | | | | |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | | | | |
|---|---|---|---|---|---|---|
| PROJECT: Wright-Malta Site | | | PROJECT #: | | 02.8049 | PAGE 3 OF 3 |
| CLIENT: SEDC | | | | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | | | | COLLECTED: 5/27/04 |
| INSTRUMENT USED: MiniRAE 2000 | | | LAMP | 10.6 | EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | | | BY: JF | | ANALYZED: 5/27/04 |
| TEMPERATURE OF SOIL: Ambient | | | | | | ANALYST: JH |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| B-18H 550FO | S-1 | 0-4 | Grab | 1.0 | 1.0 | |
| " | S-2 | 4-6 | 2" Macro Core | 1.0 | 1.0 | |
| " | S-2 | 6-8 | 2" Macro Core | 1.0 | 1.0 | |
| " | S-3 | 8-10 | 2" Macro Core | 1.3 | 1.0 | |
| " | S-3 | 10-12 | 2" Macro Core | 1.2 | 1.0 | |
| " | S-4 | 12-14 | 2" Macro Core | 1.5 | 1.1 | |
| " | S-4 | 14-16 | 2" Macro Core | 1.4 | 1.1 | |
| " | S-5 | 16-18 | 2" Macro Core | 1.5 | 1.1 | |
| " | S-5 | 18-20 | 2" Macro Core | 1.4 | 1.1 | |
| " | S-6 | 20-22 | 2" Macro Core | 11.6 | 1.1 | |
| " | S-6 | 22-24 | 2" Macro Core | 17.1 | 1.1 | Lab sample interval |
| B-3 UST | S-1 | 0-2 | 2" Macro Core | 1.5 | 1.2 | |
| " | S-1 | 2-4 | 2" Macro Core | 1.3 | 1.2 | |
| " | S-2 | 4-6 | 2" Macro Core | 1.4 | 1.2 | |
| " | S-2 | 6-8 | 2" Macro Core | 1.5 | 1.2 | |
| " | S-3 | 8-10 | 2" Macro Core | 1.4 | 1.2 | |
| " | S-3 | 10-12 | 2" Macro Core | 1.5 | 1.2 | Lab sample interval |
| " | S-4 | 12-14 | 2" Macro Core | 1.3 | 1.2 | |
| " | S-4 | 14-16 | 2" Macro Core | 1.2 | 1.2 | |
| " | S-5 | 16-18 | 2" Macro Core | 1.7 | 1.1 | |
| " | S-5 | 18-20 | 2" Macro Core | 1.4 | 1.1 | |
| " | S-6 | 20-22 | 2" Macro Core | 1.5 | 1.1 | |
| " | S-6 | 22-24 | 2" Macro Core | 1.3 | 1.1 | |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | | | | |
|---|---|---|---|---|---|---|
| PROJECT: Wright-Malta Site | | | | PROJECT #: | 02.8049 | PAGE 1 OF 3 |
| CLIENT: SEDC | | | | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | | | | COLLECTED: 6/1/04 |
| INSTRUMENT USED: MiniRAE 2000 | | | | LAMP | 10.6 EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | | | BY: JF | | ANALYZED: 6/1/04 |
| TEMPERATURE OF SOIL: Ambient | | | | | | ANALYST: Farron |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| BLD17 - 550FO | | 0-4 | Soil | 0.1 | 0.1 | No odor/No staining |
| " | | 4-6 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 6-8 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 8-10 | Soil | 0.0 | 0.0 | No odor/No staining Lab Sample Interval |
| " | | 10-12 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 12-14 | Soil | 1.9 | 0.0 | No odor/No staining |
| " | | 14-16 | Soil | 1.4 | 0.6 | No odor/No staining |
| " | | 16-18 | Soil | 3.7 | 0.6 | No odor/No staining |
| " | | 18-20 | Soil | 3.3 | 1.0 | No odor/No staining |
| " | | 20-22 | Soil | 4.3 | 1.2 | No odor/No staining |
| " | | 22-24 | Soil | 2.3 | 1.0 | No odor/No staining |
| BLD14 - DW1 | | 0-4 | Soil | 4.1 | 2.6 | No odor/No staining |
| " | | 4-8 | Soil | 1.8 | 1.6 | No odor/No staining Lab Sample Interval |
| " | | 8-12 | Soil | 2.6 | 1.9 | No odor/No staining |
| " | | 12-16 | Soil | 2.3 | 2.1 | No odor/No staining |
| " | | 16-20 | Soil | 2.1 | 1.8 | No odor/No staining |
| " | | 20-24 | Soil | 2.2 | 2.1 | No odor/No staining |
| " | | 24-28 | Soil | 1.8 | 1.4 | No odor/No staining |
| " | | 28-32 | Soil | 2.1 | 1.8 | No odor/No staining |
| " | | 32-36 | Soil | 2.3 | 2.1 | No odor/No staining |
| | | | | | | |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | | | | |
|---|---|---|---|---|---|---|
| PROJECT: Wright-Malta Site | | | | PROJECT #: | 02.8049 | PAGE 2 OF 3 |
| CLIENT: SEDC | | | | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | | | | COLLECTED: 6/1/04 |
| INSTRUMENT USED: MiniRAE 2000 | | | LAMP | 10.6 | EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | | | BY: JF | | ANALYZED: 6/1/04 |
| TEMPERATURE OF SOIL: Ambient | | | | | | ANALYST: Farron |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| BLD14 - DW2 | | 0-4 | Soil | | | No odor/No staining |
| " | | 4-8 | Soil | 0.2 | 0.1 | No odor/No staining Lab Sample Interval |
| " | | 8-12 | Soil | 0.1 | 0.2 | No odor/No staining |
| " | | 12-16 | Soil | 0.1 | 0.1 | No odor/No staining |
| " | | 16-20 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 20-24 | Soil | 0.1 | 0.0 | No odor/No staining |
| BLD14 - DW3 | | 0-4 | Soil | 0.2 | 0.0 | No odor/No staining |
| " | | 4-8 | Soil | 0.0 | 0.0 | No odor/No staining Lab Sample Interval |
| " | | 8-12 | Soil | 0.2 | 0.0 | No odor/No staining |
| " | | 12-16 | Soil | 0.1 | 0.0 | No odor/No staining |
| " | | 16-20 | Soil | 0.1 | 0.0 | No odor/No staining |
| " | | 20-24 | Soil | 0.1 | 0.0 | No odor/No staining |
| BLD14 - LF | | 0-4 | Soil | 0.0 | | No odor/No staining |
| " | | 4-8 | Soil | 0.0 | 0.0 | No odor/No staining Lab Sample Interval |
| " | | 8-12 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 12-16 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 16-20 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 20-24 | Soil | 0.0 | 0.0 | No odor/No staining |
| BLD9 - DW | | 0-4 | Soil | | | No odor/No staining |
| " | | 4-8 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 8-12 | Soil | 0.4 | 0.0 | No odor/No staining |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | |
|---|---|---|---|
| PROJECT: Wright-Malta Site | | PROJECT #: 02.8049 | PAGE 3 OF 3 |
| CLIENT: SEDC | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | COLLECTED: 6/1/04 |
| INSTRUMENT USED: MiniRAE 2000 | LAMP 10.6 | EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | BY: JF | ANALYZED: 6/1/04 |
| TEMPERATURE OF SOIL: Ambient | | | ANALYST: Farron |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| BLD9 - DW | | 12-16 | Soil | 0.4 | 0.0 | No odor/No staining |
| " | | 16-20 | Soil | 0.1 | 0.0 | No odor/No staining |
| " | | 20-24 | Soil | 0.1 | 0.0 | No odor/No staining |
| BLD8 - DW | | 0-4 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 4-8 | Soil | 0.0 | 0.0 | No odor/No staining<br>Lab Sample Interval |
| " | | 8-12 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 12-16 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 16-20 | Soil | 0.1 | 0.0 | No odor/No staining |
| " | | 20-24 | Soil | 0.1 | 0.0 | No odor/No staining |
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*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | | | | |
|---|---|---|---|---|---|---|
| PROJECT: Wright-Malta Site | | | | PROJECT #: | 02.8049 | PAGE 1 OF 4 |
| CLIENT: SEDC | | | | | | DATE COLLECTED: 6/2/04 |
| LOCATION: Hermes Road Malta, NY | | | | | | |
| INSTRUMENT USED: MiniRAE 2000 | | | LAMP | 10.6 | EV | DATE ANALYZED: 6/2/04 |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | | | BY: JF | | |
| TEMPERATURE OF SOIL: Ambient | | | | | | ANALYST: J. Marx |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| BLD18 - DW1 | S-1 | 0-2 | Soil | 3.7 | 0.2 | No odor/No staining |
| " | | 2-4 | Soil | 3.9 | 0.2 | No odor/No staining |
| " | S-2 | 4-6 | Soil | 0.3 | 0.2 | No odor/No staining |
| " | | 6-8 | Soil | 0.3 | 0.2 | No odor/No staining Lab Sample Interval |
| " | S-3 | 8-10 | Soil | 0.3 | 0.2 | No odor/No staining |
| " | | 10-12 | Soil | 0.3 | 0.2 | No odor/No staining |
| " | S-4 | 12-16 | Soil | 0.7 | 0.5 | No odor/No staining |
| " | | 16-18 | Soil | 0.8 | 0.5 | No odor/No staining |
| " | S-5 | | Soil | | | No Recovery |
| " | | | Soil | | | No Recovery |
| " | S-6 | 20-22 | Soil | 0.3 | 0.2 | No odor/No staining |
| " | | 22-24 | Soil | 0.3 | 0.2 | No odor/No staining |
| " | S-7 | 24-26 | Soil | 0.2 | 0.1 | No odor/No staining |
| " | | 26-28 | Soil | 0.2 | 0.1 | No odor/No staining |
| BLD18 - 550FO2 | S-1 | 24-26 | Soil | 10.6 | 0.4 | No staining/Possible odor |
| " | | 26-28 | Soil | 11.1 | 0.4 | No staining/Possible odor |
| " | S-2 | 28-30 | Soil | 11.7 | 0.1 | No staining/Possible odor |
| " | | 30-32 | Soil | 25.9 | 0.2 | No staining/Faint odor Lab Sample Interval |
| " | S-3 | 32-34 | Soil | 7.7 | 0.2 | No staining/Faint odor |
| " | | 34-36 | Soil | 65.5 | 0.2 | Rainbow color/Moth balls, saturated |
| | | | | | | |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | |
|---|---|---|---|
| PROJECT: Wright-Malta Site | | PROJECT #: 02.8049 | PAGE 2 OF 4 |
| CLIENT: SEDC | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | COLLECTED: 6/2/04 |
| INSTRUMENT USED: MiniRAE 2000 | LAMP 10.6 EV | | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | BY: JF | ANALYZED: 6/2/04 |
| TEMPERATURE OF SOIL: Ambient | | | ANALYST: Jeff Marx |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| BLD24 - DW1 | S-1 | 0-2 | Soil | 2.9 | 0.2 | No odor/No staining |
| " | | 2-4 | Soil | 2.8 | 0.2 | No odor/No staining |
| " | S-2 | 4-6 | Soil | 0.4 | 0.3 | No odor/No staining |
| " | | 6-8 | Soil | 0.4 | 0.3 | No odor/No staining Lab Sample Interval |
| " | S-3 | 8-10 | Soil | 0.2 | 0.2 | No odor/No staining |
| " | | 10-12 | Soil | 0.1 | 0.1 | No odor/No staining |
| " | S-4 | 12-14 | Soil | 0.1 | 0.1 | No odor/No staining |
| " | | 14-16 | Soil | 0.2 | 0.1 | No odor/No staining |
| " | S-5 | 16-18 | Soil | 0.3 | 0.2 | No odor/No staining |
| " | | 18-20 | Soil | 0.4 | 0.2 | No odor/No staining |
| " | S-6 | 20-22 | Soil | 0.7 | 0.2 | No odor/No staining |
| " | | 22-24 | Soil | 0.6 | 0.3 | No odor/No staining |
| BLD21 - 5000KERO1 | S-1 | 0-2 | Soil | 4.9 | 0.2 | No odor/No staining |
| " | | 2-4 | Soil | 2.9 | 0.3 | No odor/No staining |
| " | S-2 | 4-6 | Soil | 0.2 | 0.1 | No odor/No staining |
| " | | 6-8 | Soil | 0.3 | 0.1 | No odor/No staining |
| " | S-3 | 8-10 | Soil | 0.2 | 0.1 | No odor/No staining |
| " | | 10-12 | Soil | 0.1 | 0.1 | No odor/No staining Lab Sample Interval |
| " | S-4 | 12-14 | Soil | 0.2 | 0.1 | No odor/No staining |
| " | | 14-16 | Soil | 0.2 | 0.1 | No odor/No staining |
| " | S-5 | 16-18 | Soil | 0.3 | 0.1 | No odor/No staining |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | |
|---|---|---|---|
| PROJECT: Wright-Malta Site | | PROJECT #: 02.8049 | PAGE 3 OF 4 |
| CLIENT: SEDC | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | COLLECTED: 6/2/04 |
| INSTRUMENT USED: MiniRAE 2000 | LAMP 10.6 | EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | BY: JF | ANALYZED: 6/2/04 |
| TEMPERATURE OF SOIL: Ambient | | | ANALYST: J. Marx |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| BLD21 - 5000KERO1 | S-5 | 18-20 | Soil | 0.2 | 0.1 | No odor/No staining |
| " | S-6 | 20-22 | Soil | 0.3 | 0.1 | No odor/No staining |
| BLD10 - DW1 | S-1 | 0-2 | Soil | 3.5 | 0.9 | No odor/No staining |
| " | | 2-4 | Soil | 4.1 | 0.8 | No odor/No staining |
| " | S-2 | 4-6 | Soil | 0.2 | 0.2 | No odor/No staining |
| " | | 6-8 | Soil | 0.1 | 0.1 | No odor/No staining Lab Sample Interval |
| " | S-3 | 8-10 | Soil | 0.2 | 0.1 | No odor/No staining |
| " | | 10-12 | Soil | 0.2 | 0.1 | No odor/No staining |
| " | S-4 | 12-14 | Soil | 0.1 | 0.1 | No odor/No staining |
| " | | 14-16 | Soil | 0.1 | 0.1 | No odor/No staining |
| " | S-5 | 16-18 | Soil | 0.3 | 0.1 | No odor/No staining |
| " | | 18-20 | Soil | 0.2 | 0.1 | No odor/No staining |
| " | S-6 | 20-22 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 22-24 | Soil | 0.1 | 0.0 | No odor/No staining |
| BLD7 - DW1 | S-1 | 0-2 | Soil | 0.8 | 0.0 | No odor/No staining |
| " | | 2-4 | Soil | 2.9 | 0.0 | No odor/No staining |
| " | S-2 | 4-6 | Soil | 0.1 | 0.0 | No odor/No staining |
| " | | 6-8 | Soil | 0.1 | 0.0 | No odor/No staining Lab Sample Interval |
| " | S-3 | 8-10 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 10-12 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | S-4 | 12-14 | Soil | 0.1 | 0.0 | No odor/No staining |

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | | | | |
|---|---|---|---|---|---|---|
| PROJECT: Wright-Malta Site | | | | PROJECT #: | 02.8049 | PAGE 4 OF 4 |
| CLIENT: SEDC | | | | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | | | | COLLECTED: 6/2/04 |
| INSTRUMENT USED: MiniRAE 2000 | | | LAMP | 10.6 | EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | | | BY: JF | | ANALYZED: 6/2/04 |
| TEMPERATURE OF SOIL: Ambient | | | | | | ANALYST: J. Marx |
| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
| BLD7 - DW1 | S-4 | 14-16 | Soil | 0.1 | 0.0 | No odor/No staining |
| " | S-5 | 16-18 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 18-20 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | S-6 | 20-22 | Soil | 0.0 | 0.0 | No odor/No staining |
| " | | 22-24 | Soil | 0.1 | 0.0 | No odor/No staining |
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*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# ORGANIC VAPOR HEADSPACE ANALYSIS LOG

| | | | | | | |
|---|---|---|---|---|---|---|
| PROJECT: Wright-Malta Site | | | | PROJECT #: | 02.8049 | PAGE 1 OF 1 |
| CLIENT: SEDC | | | | | | DATE |
| LOCATION: Hermes Road Malta, NY | | | | | | COLLECTED: 6/3/04 |
| INSTRUMENT USED: MiniRAE 2000 | | | LAMP | 10.6 | EV | DATE |
| DATE INSTRUMENT CALIBRATED: Prior to Use | | | | BY: JF | | ANALYZED: 6/3/04 |
| TEMPERATURE OF SOIL: Ambient | | | | | | ANALYST: J. Marx |

| EXPLORATION NUMBER | SAMPLE NUMBER | DEPTH (FT.) | SAMPLE TYPE | SAMPLE READING (PPM)** | BACKGROUND READING (PPM)** | REMARKS |
|---|---|---|---|---|---|---|
| BLD20 - DW1 | S-1 | 0-2 | Soil | 1.1 | 0.1 | No odor/No staining |
| " | | 2-4 | Soil | 1.5 | 0.1 | No odor/No staining |
| " | S-2 | 4-6 | Soil | 0.2 | 0.1 | No odor/No staining |
| " | | 6-8 | Soil | 0.3 | 0.1 | No odor/No staining |
| " | S-3 | 8-10 | Soil | 0.4 | 0.2 | No odor/No staining Lab Sample Interval |
| " | | 10-12 | Soil | 0.5 | 0.2 | No odor/No staining |
| " | S-4 | 12-14 | Soil | 0.3 | 0.3 | No odor/No staining |
| " | | 14-16 | Soil | 0.4 | 0.3 | No odor/No staining |
| " | S-5 | 16-18 | Soil | 0.3 | 0.2 | No odor/No staining |
| " | | 18-20 | Soil | 0.3 | 0.2 | No odor/No staining |
| " | S-6 | 20-22 | Soil | 0.4 | 0.2 | No odor/No staining |
| " | | 22-24 | Soil | 0.3 | 0.2 | No odor/No staining |
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*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.

**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.

***Due to poor sample recovery the sample is not sufficient enough to specify which portion of the recovered sample interval was collected .

# APPENDIX I

## Subsurface Exploration Logs and Monitoring Well Diagrams

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD3 - UST**
**ELEV.:** **DATUM:**
**START DATE: 5/27/04** **FINISH DATE: 5/27/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: J. Hutchison

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | 2.8 | COARSE STONE over Brown fine to medium SAND (Moist) | |
| 8 | | 2 | 1.9 | | |
| 12 | | 3 | 2 | | |
| 16 | | 4 | 2.2 | Brown fine to medium SAND, trace silt and organics | |
| 20 | | 5 | 2.5 | | |
| 24 | | 6 | 2.9 | Brown fine SAND (moist) | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: J. Hutchison

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD5A - 550FO**
**ELEV.:** **DATUM:**
**START DATE: 5/27/04** **FINISH DATE: 5/27/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: J. Hutchison

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | 4 | Asphalt pavement over light brown fine to medium SAND (Moist) | Hand auger to 4' |
| 8 | | 2 | 2.3 | Brown fine to medium SAND | Becomes wet at 7.5' |
| 12 | | 3 | 3.8 | Grades to fine sand and little silt<br>Brown SILT, little clay (wet) | |
| 16 | | 4 | 4 | Brown SILT, some Clay with frequent seams of fine SAND (wet)<br>Brown fine SAND (Moist)<br>Brown fine to medium SAND, laminated (moist) | |
| 20 | | 5 | 1.7 | Brown fine to medium SAND (very moist) | Dense with occasional wet seams. |
| 24 | | | | Boring Terminated at 17.7' | Installed 1 1/4" PVC monitoring well at 17.0'.<br>.010 slotted screen 17.0' to 7.0'.<br>1 1/4" riser 7.0' to 3.0' above grade.<br>#0 sand to 3.0'.<br>Bentonite chips to 2.0'.<br>Sand to surface. |
| 28 | | | | | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: J. Hutchison

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD6A - 550FO**
**ELEV.:** **DATUM:**
**START DATE: 5/27/04** **FINISH DATE: 5/27/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: J. Hutchison

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | 4 | Brown fine to medium SAND, trace gravel and silt (moist) | Hand auger to 4' |
| 8 | | 2 | 2.9 | Brown fine to medium SAND (moist) | |
| 12 | | 3 | 2.9 | | |
| 16 | | 4 | 4 | Brown fine to medium SAND, layer of light brown fine SAND, laminations noted | |
| 20 | | 5 | 4 | Brown fine to medium SAND, occassional laminatation noted (moist) | |
| 24 | | 6 | 3.6 | Brown fine to medium SAND, trace gravel (moist) | Wet seam from 23.8' to 24.0' |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: J. Hutchison

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD6H - 5550FO**
**ELEV.:** **DATUM:**
**START DATE: 5/26/04** **FINISH DATE: 5/26/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: J. Hutchison

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | 4 | Light brown fine to medium SAND, trace silt and organics (Moist) | Hand auger 0-4'. |
| 8 | | 2 | 3.2 | | |
| 12 | | 3 | 3 | Light brown SILT layer noted at 10-10.7' with zone | wet soils above 10' |
| 16 | | 4 | 2.5 | Brown fine to medium SAND (moist) | |
| 20 | | 5 | 3.3 | | |
| 24 | | 6 | 3 | Brown fine to medium SAND lighter in color | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: J. Hutchison

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD7H - 550FO**
**ELEV.:** **DATUM:**
**START DATE: 5/27/04** **FINISH DATE: 5/27/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: J. Hutchison

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | 4 | Asphalt pavement over brown fine to medium SAND (moist) | |
| 8 | | 2 | 3 | Brown fine to medium SAND, trace gravel (Moist) | |
| 12 | | 3 | 3.7 | | |
| 16 | | 4 | 3.8 | Seam of fine SAND trace silt noted at 13.7' | Slight petroleum odor |
| 20 | | 5 | 3.8 | Light brown fine to medium SAND (moist) | |
| 24 | | 6 | 3.2 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: J. Hutchison

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD10 - UST**
**ELEV.:** **DATUM:**
**START DATE: 5/27/04** **FINISH DATE: 5/27/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND, trace gravel | Hand augered to 4' |
| 8 | | 2 | 3 | 8' | |
| 12 | | 3 | 2.7 | Brown fine SAND | |
| 16 | | 4 | 2.9 | | |
| 20 | | 5 | 2.7 | | |
| 24 | | 6 | 2.9 | | Moist from 21'to 22.5' |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Farron

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD13 - 1KFO**
**ELEV.:** **DATUM:**
**START DATE: 5/25/04** **FINISH DATE: 5/25/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND below asphalt at surface | Hand auger to ±4' |
| 8 | | 2 | 2 | Light brown SAND with trace gravel | |
| | | | | Dark brown SAND | |
| 12 | | 3 | 2.75 | | |
| 16 | | 4 | 3 | Dark brown SAND, trace gravel | |
| | | | | Dark brown SAND | |
| 20 | | 5 | 3 | Dark brown SAND, trace gravel | |
| | | | | Dark brown SAND | |
| 24 | | 6 | 3 | | Moist at 22' |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Farron

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD13 - 1KFO**
**ELEV.:** **DATUM:**
**START DATE: 5/26/04** **FINISH DATE: 5/26/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: J. Hutchison

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | 4 | Brown fine to medium SAND, little gravel, trace silt (Moist) | Hand auger to 4'. |
| 8 | | 2 | 2.5 | Brown fine to medium SAND (Moist) | |
| 12 | | 3 | 3 | | |
| 16 | | 4 | 4 | | |
| 20 | | 5 | 3.8 | Brown fine to medium SAND, laminations noted | |
| 24 | | 6 | 4 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: J. Hutchison

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD14 - 3KGAS**
**ELEV.:** **DATUM:**
**START DATE: 5/26/04** **FINISH DATE: 5/26/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Asphalt at surface<br>Brown fine SAND, little gravel | Hand augered to 4' |
| 8 | | 2 | 2.75 | Brown fine SAND, trace gravel | |
| 12 | | 3 | 2.75 | | |
| 16 | | 4 | 3 | | |
| 20 | | 5 | 3 | | Moist at 18' |
| 24 | | 6 | 3.25 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
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SAMPLE CLASSIFICATION BY: Farron

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# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD14 - 4KFO**
**ELEV.:** **DATUM:**
**START DATE: 5/26/04** **FINISH DATE: 5/26/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: J. Hutchison

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | 4 | Asphalt over light brown SAND, trace gravel (Moist) 4' | Hand auger to 4' |
| 8 | | 2 | 3 | Light brown fine SAND (Moist) | |
| 12 | | 3 | 2.8 | | |
| 16 | | 4 | 3.6 | Becomes fine to medium sand. 16' | Very moist with trace of silt noted at 14'-16' |
| 20 | | 5 | 3 | Brown fine to medium SAND (Moist) | |
| 24 | | 6 | 3.5 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY:
J. Hutchison

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD15 - 3KGAS**
**ELEV.:** **DATUM:**
**START DATE: 5/26/04** **FINISH DATE: 5/26/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Fine brown SAND | Hand augered to 4' |
| 8 | | 2 | 3 | | |
| 12 | | 3 | 2.75 | | |
| 16 | | 4 | 3.1 | | |
| 20 | | 5 | 3.5 | | |
| 24 | | 6 | 3 | | |
| | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Ferron

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD15 - 550FO**
**ELEV.:** **DATUM:**
**START DATE: 5/26/04** **FINISH DATE: 5/26/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: J. Hutchison

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | 4 | Light brown fine SAND, trace gravel and silt (Moist) | Hand augered to 4' |
| 8 | | 2 | 2.3 | Brown fine to fine to medium SAND (Moist) | |
| 12 | | 3 | 3 | Trace of silt and gravel from | |
| 16 | | 4 | 3.7 | Brown fine to medium SAND (Moist) | |
| 20 | | 5 | 4 | Brown fine to medium SAND, laminations noted | |
| 24 | | 6 | 4 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: J. Hutchison

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD15 - 550GAS**
**ELEV.:** **DATUM:**
**START DATE: 5/26/04** **FINISH DATE: 5/26/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND, trace gravel | Hand augered to 4' |
| 8 | | 2 | 3.1 | Brown fine SAND | |
| 12 | | 3 | 3 | | Moist at 8' |
| 16 | | 4 | 2.75 | | |
| 20 | | 5 | 3.5 | | Moist at 18' |
| 24 | | 6 | 3.25 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Farron

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD16 - 1KFO**
**ELEV.:** **DATUM:**
**START DATE: 6/1/04** **FINISH DATE: 6/1/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND, little gravel | Hand augered to ±4' |
| | | | | Brown fine SAND, trace gravel | |
| 8 | | 2 | 3.3 | Brown fine SAND | |
| 12 | | 3 | 3.4 | | Moist from 9' to 10' |
| 16 | | 4 | 3.3 | | Wet from 13' to 15' |
| 20 | | 5 | 2 | | Moist from 16' to 17.5' |
| 24 | | 6 | 2.5 | | |
| 28 | | | | Boring Terminated at 24' | Well installed at 26'. |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: Goring

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD17 - 550FO**
**ELEV.:** **DATUM:**
**START DATE: 6/1/04** **FINISH DATE: 6/1/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION: Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND | Hand augered to ±4' |
| 8 | | 2 | 2.5 | | |
| 12 | | 3 | 3 | | |
| 16 | | 4 | 3 | | |
| 20 | | 5 | 3.1 | | |
| 24 | | 6 | 3.5 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Farron

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD18H - 550FO**
**ELEV.:** **DATUM:**
**START DATE: 5/27/04** **FINISH DATE: 5/27/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: J. Hutchison

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | 4 | Light brown fine to medium SAND, trace silt and gravel (Moist) | Hand augered to 4' |
| 8 | | 2 | 2.9 | Light brown fine to medium SAND (Moist) | |
| 12 | | 3 | 3.8 | Wet layer of fine sand at 9.4' to 10.4'. | |
| 16 | | 4 | 3.2 | | Laminations noted. Very slight chemical odors noted. |
| 20 | | 5 | 2.8 | Brown fine to medium SAND (moist) | |
| 24 | | 6 | 2.8 | | Laminations noted. Slight fuel odor noted. |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
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SAMPLE CLASSIFICATION BY: J. Hutchison

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD18 - 550FO2**
**ELEV.:** **DATUM:**
**START DATE: 6/2/04** **FINISH DATE: 6/2/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Jeff Marx

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| | | | NS | Grassy TOPSOIL | Hand auger to 4' |
| 20 | | | | | Blind push to 24', therefore no samples collected, see BLD18 - 550FO. |
| | | | NS | | |
| 24 | | | | | |
| | | 1 | 3.7 | Brown/tan fine to medium SAND (moist) | |
| 28 | | | | | |
| | | 2 | 3.9 | Brown fine SAND (moist to very moist) | |
| | | | | Trace organic rootlets from 30' to 30.4'. | |
| 32 | | | | | Very moist soil at 31'. |
| | | 3 | 4 | | |
| | | | | Brown/tan fine to medium SAND (Wet) | |
| 36 | | | | | |
| | | | | Boring Terminated at 36' | Installed 1.25" PVC well to a depth of 35.3' below grade. Sand above screen depth estimated at 10'. Bentonite to surface. |
| 40 | | | | | |
| | | | | | |
| 44 | | | | | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Jeff Marx

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD20 - 4KFO**
**ELEV.:** **DATUM:**
**START DATE: 5/26/04** **FINISH DATE: 5/26/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND | Hand augered to 4' |
| 8 | | 2 | 2.1 | | Moist at 6' |
| 12 | | 3 | 2.5 | | |
| 16 | | 4 | 3 | | |
| 20 | | 5 | 2.5 | | |
| 24 | | 6 | | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Farron

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD20 - 5KFO**
**ELEV.:** **DATUM:**
**START DATE: 5/26/04** **FINISH DATE: 5/26/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: J. Hutchison

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | 4 | Light brown fine SAND, trace gravel, organics and silt (Moist) | Hand augered to 4' |
| 8 | | 2 | 2.5 | Light brown fine to medium SAND | |
| 12 | | 3 | 3.1 | | |
| 16 | | 4 | 3.1 | Light brown to brown fine to medium SAND. Grades to trace of silt with depth (very moist) | |
| 20 | | 5 | 3 | Light brown fine to medium SAND with laminations (moist) | |
| 24 | | 6 | 4 | Occasional seams of fine sand, little silt | |
| 28 | | | | Boring Terminated at 24" | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
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SAMPLE CLASSIFICATION BY: J. Hutchison

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# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD20M - 550GAS**
**ELEV.:** **DATUM:**
**START DATE: 5/27/04** **FINISH DATE: 5/27/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND | Hand augered to 4' |
| 8 | | 2 | 3.1 | | |
| 12 | | 3 | 3.1 | | Moist at 11' |
| 16 | | 4 | 2.75 | | |
| 20 | | 5 | 3 | | |
| 24 | | 6 | UNK | | Liner cracked; sample recovered from core sampler. |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
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SAMPLE CLASSIFICATION BY: Farron

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# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD21 - 5000KERO1**
**ELEV.:** **DATUM:**
**START DATE: 6/2/04** **FINISH DATE: 6/2/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Jeff Marx

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Grassy TOPSOIL | Hand auger to 4' |
| | | | | Brown fine SAND, trace gravel (moist to very moist) | |
| 8 | | 2 | 3.2 | Grades to light brown SAND, trace silt. | |
| 12 | | 3 | 2.4 | Dark brown fine to medium SAND (moist) | |
| 16 | | 4 | 2.7 | Grades to brown fine SAND (moist) | Occassional gravel noted. |
| 20 | | 5 | 3 | | |
| 24 | | 6 | 3.2 | Brown/tan fine to medium SAND (moist) | No measurable groundwater upon completion of sampling. |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Jeff Marx

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD23P - 3K**
**ELEV.:** **DATUM:**
**START DATE: 5/27/04** **FINISH DATE: 5/27/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND, trace gravel | Hand augered to 4' |
| 8 | | 2 | 3.1 | Dark brown fine SAND | |
| 12 | | 3 | 2.9 | Light brown fine SAND | |
| 16 | | 4 | 3.5 | | |
| 20 | | 5 | 3 | | Moist at 18' |
| 24 | | 6 | 2.75 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Farron

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD25 - 550GAS**
**ELEV.:** **DATUM:**
**START DATE: 5/26/04** **FINISH DATE: 5/26/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: J. Hutchison

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | 4 | Light brown fine to medium SAND, little organics, trace silt and gravel (moist) | Hand augered to 4' |
| 8 | | 2 | 2.2 | 8' | |
| 12 | | 3 | 2.4 | Light brown fine to fine to medium SAND, lamination noted (moist) | |
| 16 | | 4 | 3.5 | | |
| 20 | | 5 | 3.5 | | |
| 24 | | 6 | 3.3 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: J.Hutchison

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# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD25 - 10KFO**
**ELEV.:** **DATUM:**
**START DATE: 5/26/04** **FINISH DATE: 5/26/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Fine brown SAND, trace gravel | Hand augered to 4' |
| 8 | | 2 | 2.33 | | |
| 12 | | 3 | 2 | | |
| 16 | | 4 | 2.67 | | |
| 20 | | 5 | 4 | | Moist at 18' |
| 24 | | 6 | 3.5 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Farron

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD25A - 10K**
**ELEV.:** **DATUM:**
**START DATE: 5/27/04** **FINISH DATE: 5/27/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND | Hand augered to 4' |
| 8 | | 2 | 3 | | |
| 12 | | 3 | 3 | | |
| 16 | | 4 | 3 | | |
| 20 | | 5 | 2.75 | | Moist at 16'<br>Moist from 18.5' to 19' |
| 24 | | 6 | 3.1 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: Farron

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD25M - UST**
**ELEV.:** **DATUM:**
**START DATE: 5/27/04** **FINISH DATE: 5/27/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Fine brown SAND, little gravel | Hand augered to 4' |
| 8 | | 2 | 3.5 | Fine brown SAND | |
| 12 | | 3 | 2.8 | | |
| 16 | | 4 | 2.5 | | |
| 20 | | 5 | 3.3 | | Moist at 16'<br>Wet from 18' to 20' |
| 24 | | 6 | | | Wet from 20' to 24' |
| 28 | | | | Boring Terminated at 24' | Well installed. |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Farron

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD26 - 6KFO**
**ELEV.:** **DATUM:**
**START DATE: 5/27/04** **FINISH DATE: 5/27/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Fine brown SAND, trace gravel | Hand augered to 4' |
| 8 | | 2 | 3 | 8' | |
| 12 | | 3 | 3 | Fine brown SAND | |
| 16 | | 4 | 3 | | Moist at 14' |
| 20 | | 5 | 3.1 | | |
| 24 | | 6 | 3.1 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: Farron

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD28H - 550FO**
**ELEV.:** **DATUM:**
**START DATE: 5/25/04** **FINISH DATE: 5/25/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND, trace wood (2') | Hand augered to ±4' |
| 8 | | 2 | 2.5 | Brown fine SAND | |
| 12 | | 3 | 2.5 | | |
| 16 | | 4 | 2.5 | | Moist at 12' |
| 20 | | 5 | 3.25 | | |
| 24 | | 6 | 3.25 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: Farron

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD28 - TFB1**
**ELEV.:** **DATUM:**
**START DATE: 5/25/04** **FINISH DATE: 5/25/04**
**SHEET 1 OF 2**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION: Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| | | 1 | NA | Brown fine SAND, little gravel<br>2' | Hand augered to 2' |
| 4 | | 2 | 1.75 | Brown fine SAND | |
| 8 | | 3 | 2.5 | | |
| 12 | | 4 | 3 | | |
| 16 | | 5 | 3.5 | | |
| 20 | | 6 | 3.25 | | |
| 24 | | 7 | 3.5 | | |
| 28 | | 8 | 3 | | Moist from 27.5' to 28' |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
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SAMPLE CLASSIFICATION BY: Farron

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD28 - TFB1**
**ELEV.:** **DATUM:**
**START DATE: 5/25/04** **FINISH DATE: 5/25/04**
**SHEET 2 OF 2**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 32 | | 8 | 3 | | Moist from 30' to 30.5' |
| 36 | | 9 | 3.5 | | Moist from 33.5' to 34' |
| | | | | Boring Terminated at 36' | |
| 40 | | | | | |
| 44 | | | | | |
| 48 | | | | | |
| 52 | | | | | |
| 56 | | | | | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: Ferron

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD28 - TFB2**
**ELEV.:** **DATUM:**
**START DATE: 5/26/04** **FINISH DATE: 5/26/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION: Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND, trace gravel | Hand augered to 4' to check for utilities |
| | | | | Brown find SAND | |
| 8 | | 2 | 3 | | |
| 12 | | 3 | 3 | | |
| 16 | | 4 | 3 | | Moist at 14' |
| 20 | | 5 | 4 | | |
| 24 | | 6 | 4 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
| | | |
| | | |
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SAMPLE CLASSIFICATION BY: Farron

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD30 - 10KFO**
**ELEV.:** **DATUM:**
**START DATE: 5/27/04** **FINISH DATE: 5/27/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION: Hermes Road Malta, NY — CTM OBSERVER: J. Hutchison

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | 4 | Brown fine to medium SAND (moist) | Hand augered to 4' |
| 8 | | 2 | 2.3 | | |
| 12 | | 3 | 2.4 | | |
| 16 | | 4 | 2.2 | Becomes light brown fine SAND, trace silt<br>16' | |
| 20 | | 5 | 3.5 | Brown fine to medium SAND (moist)<br>Layer of light brown fine SAND, trace to silt | moist, wet seam noted at 18.7' |
| 24 | | 6 | 3.5 | Brown varved SILT with fine SAND partings | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: J. Hutchison

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD7 - DW1**
**ELEV.:** **DATUM:**
**START DATE: 6/2/04** **FINISH DATE: 6/2/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Jeff Marx

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| | | 1 | NA | Grassy TOPSOIL | Hand auger to 4' |
| 4 | | 2 | 2.7 | Brown fine SAND (moist) | |
| 8 | | 3 | 3.3 | | |
| 12 | | 4 | 3 | | |
| 16 | | 5 | 3.3 | Brown/tan fine to medium SAND (moist) | |
| 20 | | 6 | 3.1 | Becomes Brown fine to medium SAND (moist) | |
| 24 | | | | | No measurable groundwater upon completion of sampling. |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS

SAMPLE CLASSIFICATION BY: Jeff Marx

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD8 - DW**
**ELEV.:** **DATUM:**
**START DATE: 6/1/04** **FINISH DATE: 6/1/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND | Hand augered to 4' |
| 8 | | 2 | 2.8 | | |
| 12 | | 3 | 3.1 | Brown fine SAND, trace silt<br>Brown fine SAND, some Silt | |
| 16 | | 4 | 3.5 | Brown fine SAND, brown CLAY<br>16' | |
| 20 | | 5 | 3 | | Moist from 18' to 18.5' |
| 24 | | 6 | 2.6 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS

SAMPLE CLASSIFICATION BY: A. Goring

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD9 - DW**
**ELEV.:** **DATUM:**
**START DATE: 6/1/04** **FINISH DATE: 6/1/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND | Hand augered to ±4' |
| 8 | | 2 | 2.5 | | |
| 12 | | 3 | 2.5 | | |
| 16 | | 4 | 2.7 | 1" CLAY, trace till | |
| 20 | | 5 | 3 | Brown fine SAND, trace silt | |
| | | | | Brown fine SAND, trace clay & silt | |
| 24 | | 6 | 3.1 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
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SAMPLE CLASSIFICATION BY: A. Goring

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD10 - DW1**
**ELEV.:** **DATUM:**
**START DATE: 6/2/04** **FINISH DATE: 6/2/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Jeff Marx

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND (moist) | Hand auger to 4' |
| 8 | | 2 | 2.7 | | |
| 12 | | 3 | 2.8 | | |
| 16 | | 4 | 2.6 | | |
| 20 | | 5 | 3 | Brown fine to medium SAND (moist) | |
| 24 | | 6 | 3.4 | | No measurable groundwater upon completion of sampling. |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: Jeff Marx

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD14 - DW1**
**ELEV.:** **DATUM:**
**START DATE: 6/1/04** **FINISH DATE: 6/1/04**
**SHEET 1 OF 2**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND | Hand augered to ±4' |
| 8 | | 2 | 2.5 | | |
| 12 | | 3 | 3 | | |
| 16 | | 4 | 3 | | |
| 20 | | 5 | full | | |
| 24 | | 6 | full | | |
| 28 | | 7 | full | | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
| | | |
| | | |
| | | |

SAMPLE CLASSIFICATION BY: Farron

THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD14 - DW1**
**ELEV.:** **DATUM:**
**START DATE: 6/1/04** **FINISH DATE: 6/1/04**
**SHEET 2 OF 2**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 32 | | 8 | full | | |
| 36 | | 9 | | | |
| | | | | Boring Terminated at 36' | |
| 40 | | | | | |
| 44 | | | | | |
| 48 | | | | | |
| 52 | | | | | |
| 56 | | | | | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: Farron

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD14 - DW2**
**ELEV.:** **DATUM:**
**START DATE: 6/1/04** **FINISH DATE: 6/1/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND | Hand augered to ±4' |
| 8 | | 2 | 2.8 | | |
| 12 | | 3 | 2.8 | | |
| 16 | | 4 | 3.25 | 6" layer brown CLAY, wet | |
| 20 | | 5 | 2.75 | Brown fine SAND | |
| 24 | | 6 | 2.75 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: Farron

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD14 - DW3**
**ELEV.:** **DATUM:**
**START DATE: 6/1/04** **FINISH DATE: 6/1/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND | Hand augered to ±4' |
| 8 | | 2 | 2.8 | | |
| 12 | | 3 | 2.9 | | |
| 16 | | 4 | 3 | 3" brown CLAY pocket | |
| 20 | | 5 | 1.25 | | |
| 24 | | 6 | full | 1" CLAY | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
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THE SUBSURFACE INFORMATION SHOWN HEREON WAS OBTAINED FOR C.T. MALE ASSESSMENT PURPOSES. IT IS MADE AVAILABLE TO AUTHORIZED USERS ONLY THAT THEY MAY HAVE ACCESS TO THE SAME INFORMATION AVAILABLE TO C.T.MALE. IT IS PRESENTED IN GOOD FAITH, BUT IS NOT INTENDED AS A SUBSTITUTE FOR INVESTIGATIONS, INTERPRETATION OR JUDGMENT OF SUCH AUTHORIZED USERS.

SAMPLE CLASSIFICATION BY: Goring

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD14 - LF**
**ELEV.:** **DATUM:**
**START DATE: 6/1/04** **FINISH DATE: 6/1/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Farron

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Brown fine SAND, trace gravel | Hand augered to ±4' |
| 8 | | 2 | 1.1 | Brown fine SAND | |
| 12 | | 3 | 2.4 | | |
| 16 | | 4 | 3.5 | 5" layer blackish SILT | |
| 20 | | 5 | full | Brown fine SAND, trace silt<br>Brown fine SAND | |
| 24 | | 6 | | Brown fine SAND, trace silt | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
|---|---|---|
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SAMPLE CLASSIFICATION BY: A. Goring

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD 18 - DW 1**
**ELEV.:** **DATUM:**
**START DATE: 6/2/04** **FINISH DATE: 6/2/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION: Hermes Road Malta, NY — CTM OBSERVER: Jeff Marx

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Grassy TOPSOIL | Hand auger from 0' to 4' below grade. |
| | | | | Brown fine SAND (moist) | Occasional gravel noted. |
| 8 | | 2 | 2.7 | | |
| 12 | | 3 | 3.4 | | |
| 16 | | 4 | 3.5 | | |
| 20 | | 5 | 0 | | |
| 24 | | 6 | 3.7 | Brown-Tan fine to medium SAND (moist) | |
| 28 | | 7 | 3.9 | | Gravel noted at 26'. |
| | | | | Boring Terminated at 28' | No measurable groundwater upon completion. |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Jeff Marx

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# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD20 - DW1**
**ELEV.:** **DATUM:**
**START DATE: 6/3/04** **FINISH DATE: 6/3/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION: Hermes Road Malta, NY — CTM OBSERVER: Jeff Marx

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Grassy TOPSOIL<br>Brown fine SAND (moist) | Hand auger to 4' |
| 8 | | 2 | 2.8 | | Hit obstruction at 5' below grade.<br>Tip of sampler rusty, so check drawing and water line in area.<br>Moved 10' west away from building and hand auger again w/ obstruction. |
| 12 | | 3 | 2.9 | | |
| 16 | | 4 | 3.3 | Brown fine to medium SAND (moist) | |
| 20 | | 5 | 3.5 | Brown SILT (very moist)<br>Brown/tan fine to medium SAND (moist) | |
| 24 | | 6 | 3.1 | | |
| 28 | | | | Boring Terminated at 24' | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Jeff Marx

# C.T. MALE ASSOCIATES, P.C.

## GEOPROBE SUBSURFACE EXPLORATION LOG

**BORING NO.: BLD24 - DW1**
**ELEV.:** **DATUM:**
**START DATE: 6/2/04** **FINISH DATE: 6/2/04**
**SHEET 1 OF 1**

PROJECT: Wright-Malta Site — CTM PROJECT NO.: 02.8049

LOCATION Hermes Road Malta, NY — CTM OBSERVER: Jeff Marx

| DEPTH (FT.) | SAMPLE INTERVAL | SAMPLE NUMBER | SAMPLE RECOVERY (FT) | SAMPLE CLASSIFICATION | NOTES |
|---|---|---|---|---|---|
| 4 | | 1 | NA | Grassy TOPSOIL | Hand auger to 4' |
| | | | | Brown fine SAND (moist) | |
| 8 | | 2 | 2.9 | | |
| 12 | | 3 | 2.4 | | |
| | | 4 | 3.5 | | |
| 16 | | | | Brown/tan fine to medium SAND (moist) | |
| | | 5 | 3.1 | Brown fine SAND (moist) | |
| 20 | | | | Brown/tan fine to medium SAND (moist) | |
| | | 6 | 3.3 | | |
| 24 | | | | | No measurable groundwater upon completion of sampling. |
| | | | | Boring Terminated at 24' | |
| 28 | | | | | |

DRILLING CONTRACTOR: SJB Services, Inc. GEOPROBE TYPE: 540 U Truck Mounted
METHOD OF SAMPLING: Direct Push with Percussion Hammer and Macro Core Sampler

GROUNDWATER LEVEL READINGS

| DATE | LEVEL | REFERENCE MEASURING POINT |
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SAMPLE CLASSIFICATION BY: Jeff Marx