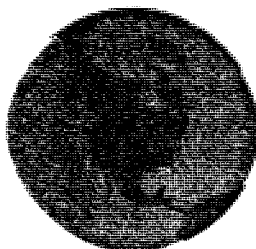


# **ELITE ENVIRONMENTAL SERVICES, INC.**

## **Closure Report**



**NYSDEC Spill #:**

**04-04904**

**PBS #:**

**3-437573**

**Property Location:**

**Kensico Properties  
275 Kisco Avenue  
Mount Kisco, New York 10549**

**Prepared For:**

**Mr. Stefan Goreau  
Westchester County Department of Health  
Office of Environmental Risk Control  
145 Huguenot Street - 8th Floor  
New Rochelle, New York 10801**

**Mr. Jack Schnapp  
Kensico Properties  
275 Kisco Avenue  
Mount Kisco, New York 10549**

**Date:**

**January 2, 2005**

17 Saint Charles Street  
Thornwood, New York 10594  
914-524-8491 1-877-234-TANK

**ELITE ENVIRONMENTAL  
& TANK TESTING  
SERVICES, INC.**

**17 Saint Charles Street  
Thornwood, NY 10594  
Tel: 914-524-8491**



*"WHERE PERFECTION RUNS DEEP"*

Kensico Properties  
275 Kisco Avenue  
Mount Kisco, New York 10549  
NYSDEC Spill #: 04-04904  
PBS #: 3-437573

**REPORT PREPARED AND PRESENTED BY:**

Paula J. Reichert  
Environmental Consultant  
Report Preparation

Paula Reichert 1/2/05  
Signature and Date

Raymond Hilyer  
Project Supervisor  
Report Review

RH  
Signature and Date

## **TABLE OF CONTENTS**

<b>EXECUTIVE SUMMARY</b>	<b>1</b>
<b>1.0 INTRODUCTION</b>	<b>2</b>
<b>2.0 BACKGROUND</b>	<b>2</b>
<b>3.0 SUMMARY OF ACTIVITIES</b>	<b>2</b>
<b>3.1 Underground Storage Tank Excavation</b>	<b>2</b>
<b>3.2 Post-Excavation Soil Sampling</b>	<b>3</b>
<b>3.3 Post-Excavation Analytical Results</b>	<b>4</b>
<b>3.4 Underground Storage Tank Installation</b>	<b>5</b>
<b>4.0 CONCLUSIONS AND RECOMMENDATIONS</b>	<b>6</b>
<b>5.0 DISCLAIMER</b>	<b>6</b>

## **APPENDICES**

<b>APPENDIX A</b>	<b>General Location Map</b>
<b>APPENDIX B</b>	<b>Westchester County Department of Health Work Permit</b>
<b>APPENDIX C</b>	<b>Liquid Disposal Manifest</b>
<b>APPENDIX D</b>	<b>Site Photographs</b>
<b>APPENDIX E</b>	<b>Tank Recycling Receipt</b>
<b>APPENDIX F</b>	<b>Site Diagram</b>
<b>APPENDIX G</b>	<b>Tank Bottom Soil Sample Analytical Results</b>
<b>APPENDIX H</b>	<b>Hazardous Waste Manifests</b>
<b>APPENDIX I</b>	<b>Post-Excavation Soil Sample Laboratory Analytical Results</b>
<b>APPENDIX J</b>	<b>sti-P3 Limited Warranty</b>

## Executive Summary

On behalf of Mr. Jack Schnapp, Elite Environmental Services, Inc. ("Elite") directed the tank removal and site assessment sampling activities at Kensico Properties, 275 Kisco Avenue in Mount Kisco, New York ("site property"). See Appendix A for General Location Map. This work was performed to investigate and remediate New York State Department of Environmental Conservation ("NYSDEC") spill #: 04-04904 that was reported at the site property on August 4, 2004, following an underground storage tank test.

### **OBJECTIVE:**

Elite's objective was to: i.) determine the extent, if any, of petroleum impacted soils, resultant from the underground storage tank; ii.) once defined, remove and dispose of contaminated soils in excess of *New York State Department of Environmental Conservation ("NYSDEC") Spill Technology and Remediation Series (STARS) Memo #1: Petroleum-Contaminated Soil Guidance Policy Values and Division Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels*; iii.) provide project management to ensure that investigative remediation is performed consistent with the NYSDEC requirements, and; iv) properly install a new 5,000 gallon double wall STIP 3 underground storage tank.

### **FINDINGS:**

Based on our field screening observations and post-excavation laboratory analytical results, Elite concludes that all accessible petroleum-contaminated soils were removed and properly disposed of at a soil recycling facility.

### **RECOMMENDATIONS:**

Elite recommends that spill # 04-04904 be closed and removed from the NYSDEC list of active petroleum spills, as the site presents no threat to human health or the environment. This report presents a summary of all field activities conducted as part of the investigation and includes laboratory analytical.

## **1.0 INTRODUCTION**

Elite performed site remediation and limited site assessment activities at 275 Kisco Avenue in Mount Kisco, New York. The objective of these activities was to: i.) determine the extent, if any, of petroleum impacted soils, resultant from the underground storage tank; ii.) once defined, remove and dispose of contaminated soils in excess of *New York State Department of Environmental Conservation ("NYSDEC") Spill Technology and Remediation Series (STARS) Memo #1: Petroleum-Contaminated Soil Guidance Policy Values and Division Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels*; iii.) provide project management to ensure that investigative remediation is performed consistent with the NYSDEC requirements, and; iv) properly install a new 5,000 gallon double wall STIP 3 underground storage tank.

## **2.0 BACKGROUND**

A spill was reported to the NYSDEC on August 4, 2004, when Elite Tank Testing, Inc. performed an Ezy 3 Locator Plus tank test on the 10,000 gallon underground storage tank at the above-referenced property. The tank test resulted in a failure below product level due to a loss of vacuum. Three inches of water were found in the tank. It was recommended that the underground storage tank be exposed, pipes removed and the tank hull be tested alone or that the underground storage tank be removed. On August 19, 2004, the top of the tank was exposed, pipes were removed and the tank hull was tested alone. Again the tank test resulted in failure. Mr. Jack Schnapp, representative of the property, opted to remove the underground storage tank.

## **3.0 SUMMARY OF ACTIVITIES**

### **3.1 Underground Storage Tank Excavation**

On October 20, 2004, Elite Environmental Services, Inc., ("Elite") representatives were on-site to direct the removal of the 10,000 gallon underground storage tank on the site property. A permit was received from the Westchester County Department of Health. See Appendix B for the Westchester County Department of Health Work Permit. Elite was on-site to perform the excavation and remove the tank for transportation and proper disposal. The tank was uncovered

and an opening was cut in the tank in order to remove any remaining liquids from the tank. Enviro Waste Oil Recovery, LLC was on-site to remove the liquids via environmental vacuum truck. Approximately 55 gallons of used oil and 400 gallons of oily water was properly removed and transported to an oil recycling facility for disposal. See Appendix C for Liquid Disposal Manifest. The UST was then scraped and cleaned. The UST was removed from the ground using an excavator and placed in the driveway for observation. Several holes, approximately one eighth inch in diameter, were found in the bottom of the UST, allowing for the release of fuel oil into the soil. Wetness on the bottom of the tank was also observed. See Appendix D for Site Photographs.

The tank was removed from the site property by Elite and brought to Brookfield Scrap Metals, Inc. for recycling. See Appendix E for Tank Recycling Receipt.

### **3.2 Post-Excavation Soil Sampling**

Following the removal of the UST, Elite field personnel collected post-excavation soil samples to determine the extent, if any, of contamination in the site excavation. Samples were collected with disposable trowels to preclude any cross-contamination. Field personnel collected samples with sterile gloves, which were discarded following each collection. The samples were field screened using a Mini Rae Photo Ionization Detector to provide a direct reading of the concentration of volatile organic vapors in the sample, reported in ppm.

Trace gas analysis of soil samples in the field were performed as a gross assessment of potential contamination with a portable Mini Rae 2000 Photoionization Detector ("PID"). The PID provides a direct reading of the concentration of volatile organic gases in the sample in ppm. Immediately following collection, each soil sample was transferred to a glass container. The open container was sealed with clear plastic wrap and agitated to break apart the soil and distribute gases. The probe of the PID was inserted through the plastic into the confined headspace of the jar and readings were recorded and compared to ambient background levels. This field screening method provides a relative concentration of VOCs that is useful for a quick comparison of samples. A higher needle deflection or ppm reading on the instrument indicates a higher concentration of VOCs.

A total of five soil samples were collected, one from each wall and the bottom of the excavation, (NW, SW, EW, WW, and CF) on November 20, 2004. See Appendix F for Site Diagram. These samples were field screened and contamination was observed in the excavation. A sample was extracted from the excavation and contaminated soil was stockpiled on the site property on 6 mil poly plastic, adjacent to the excavation. The sample was properly labeled and submitted to a New York State Department of Health certified laboratory (#11715) for analysis by the following method: i.) USEPA Method 418.1 for the detection of total petroleum hydrocarbons. Results indicated that the soil contained 2,000 mg/Kg total petroleum hydrocarbons. See Appendix G for Tank Bottom Soil Sample Analytical Results.

Contaminated soil was stockpiled on 6 mil poly plastic and removed from the excavation by Elite. Contaminated soil was properly transported off the site property on October 21, 2004. Approximately 95.04 tons of soil was properly transported and disposed of at TPS Technologies, Inc. See Appendix H for Hazardous Waste Manifests.

### **3.3 Post-Excavation Analytical Results**

Elite field personnel collected soil samples from the excavation to ensure all accessible contaminated soils were removed due to the holes in the underground storage tank. Seven soil samples were taken, a composite from the bottom of the excavation, two from each the west wall and the east wall and one sample from each the north wall and south wall. These samples were properly labeled and submitted to a New York State Department of Health certified laboratory (#11715) for analysis by the following methods: i.)USEPA Method 8021 for the detection of volatile organic compounds (VOCs); and ii.) USEPA Method 8270 for the detection of semi-volatile organic compounds (SVOCs). See Appendix I for a complete listing of Post-Excavation Laboratory Analytical Results. The following table lists the analytical results and compares them to the STARS Values and where applicable, the TAGM Recommended Cleanup Objectives. Please note that only those compounds detected are listed in the table below.

EPA Method	Sample Location	Sample Label	Sample Depth	Analyte	Results	TAGM Cleanup Objectives (ppb)
8021	Excavation Bottom	TB	10 feet	All	ND	100-8500
8270	Excavation Bottom	TB	10 feet	All	ND	14-50000
8021	North Wall	NW	9-10 feet	n-Propylbenzene p-isopropyltoluene n-Butylbenzene sec-Butylbenzene	7.6 27 36 25	100-8500
8270	North Wall	NW	9-10 feet	All	ND	14-50000
8021	South Wall	SW	9-10 feet	All	ND	100-8500
8270	South Wall	SW	9-10 feet	All	ND	14-50000
8021	East Wall 1	EW1	9-10 feet	All	ND	100-8500
8270	East Wall 1	EW1	9-10 feet	All	ND	14-50000
8021	East Wall 2	EW2	9-10 feet	All	ND	100-8500
8270	East Wall 2	EW2	9-10 feet	All	ND	14-50000
8021	West Wall 1	WW1	9-10 feet	All	ND	100-8500
8270	West Wall 1	WW1	9-10 feet	All	ND	14-50000
8021	West Wall 2	WW2	9-10 feet	All	ND	100-8500
8270	West Wall 2	WW2	9-10 feet	All	ND	14-50000

ND-Non-Detect    **Bold**-indicates levels above NYSDEC standards

No volatile or semi-volatile organic compounds exceeding the New York State Department of Environmental Conservation Division Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels were detected in any of the post-excavation soil samples collected from the excavation.

### 3.4 Underground Storage Tank Installation

A new 5,000 gallon STIP 3 double wall underground storage tank was installed in the excavation after all accessible contaminated soil was removed from the site property. The new tank has a diameter of eight feet and a length of 13 feet four inches. 60 yards of gravel was placed in the excavation, at a minimum of 12 inches of bedding, graded and leveled. See Appendix J for sti-P3 Limited Warranty.



#### **4.0 CONCLUSIONS AND RECOMMENDATIONS**

Based on the post-excavation laboratory analytical results, and our field observations, Elite concludes that all accessible petroleum-contaminated soils due to the leaking tank system were removed from the site property and properly transported and disposed. Elite recommends that spill #04-04904 be closed and removed from the NYSDEC list of active petroleum spills, as site conditions present no threat to human health or the environment.

#### **5.0 DISCLAIMER**

The environmental consultant that performed the investigation located at 275 Kisco Avenue in Mount Kisco, New York, is a professional with education and training in the environmental field. This report, compiled by Elite Environmental, Inc. conforms with commonly recognized protocols within the environmental consulting field. Our reports are limited to availability of observations and soil samples collected on the date of the tank excavation. Elite cannot guarantee that the entire site or parts thereof are completely free of contaminants.

## **APPENDIX A**

### **General Location Map**

**ELITE ENVIRONMENTAL SERVICES, INC.**

**17 Saint Charles Street**

**Thornwood, New York 10594**

**1-877-234-TANK**



§ - Target Property

General Location Map  
Kensico Property  
275 Kisco Avenue  
Mount Kisco, New York 10549

## **APPENDIX B**

### **Westchester County Department of Health Work Permit**

This work permit is good for sixty (60) days from the date of issue and must be posted on the tank at all times.  
Removal of this work permit prior to completion of work constitutes a violation of Article XXV of the Westchester County Sanitary Code.

In accordance with Article XXV of the Westchester County Sanitary Code, the bearer of this permit has completed an application for a work permit to perform work on the petroleum bulk storage tank located at:

Name of Establishment:

Kensico Properties Ltd.

Street Address:

275 Kisco Avenue

Municipality:

Mount Kisco

Applicant's Name:

Elite Environmental

Issue Date:

09/16/2004

Expiration Date:

11/15/2004

Federal Tax ID Number:

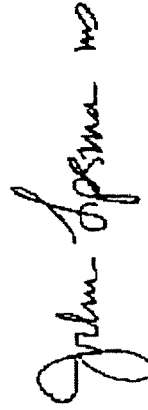
13-6643445

PBS Number:

3-437573

Work to be Performed

Remove/Close Tank (1), Install/Modify Tank (1), Install/Modify Piping (1)



Joshua Lipsman, M.D., M.P.H.  
Commissioner of Health

## **APPENDIX C**

### **Liquid Disposal Manifest**

3635 Danbury Road • Brewster, NY 10509  
Ph: (845) 279-0263, (866) WASTE OIL  
Fax: (845) 279-7763

# Enviro Waste

Oil Recovery Specialists

1-866-WASTE-OIL

STANDARD  
COLLECTION  
ORDER FORM

010092

NAME:

Eliab Khavind

DATE:

12/20/04

## GENERATOR/LOCATION

NAME: Resident / Commercial  
INFORMATION ATTENTION LINE: Kensis / Proper ties  
DELIVERY ADDRESS: 275 Kisco Ave  
CITY: NY STATE: NY ZIP: 10950  
PHONE NUMBER: PURCHASE ORDER NUMBER:  
TIME IN: 11 AM TIME OUT:

## BILL TO (IF DIFFERENT FROM LOCATION)

NAME: S.H.  
INFORMATION ATTENTION LINE:  
DELIVERY ADDRESS:  
CITY: STATE: ZIP:  
PHONE NUMBER: PURCHASE ORDER NUMBER:  
MANIFEST NUMBER:

## DRIVERS NOTES

## SERVICE SECTION

SALES CODE	DESCRIPTION	WASTE CODE	QUANTITY	UNIT PRICE	PRICE	TAX	LINE TOTAL
40500	USED OIL REMOVAL		55 gal				
40300	ANTI-FREEZE REMOVAL						
40501	OILY WATER DISPOSAL		400 gal				
40502	SLUDGE DISPOSAL						
41001	GASOLINE/WATER						
41501	DRUM DISPOSAL						
41504	PAD & BROOM REMOVAL						
40600	OIL FILTER REMOVAL						
40800	PARTS WASHER SERVICE						
41511	PUMP SERVICE						
41503	VACUUM SERVICE						
42001	TRUCK HOURLY RATE						
41509	TRANSPORTATION						

CUSTOMER SERVICES  
EVERY 30 DAYS

## CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR CERTIFICATION

I certify that this generator generates less than 100 kilograms of hazardous waste per month, as defined at 40 C.F.R. 261, and does not accumulate more than 1,000 kilograms of such waste during the month.

GENERATOR'S SIGNATURE

## NON CONDITIONALLY EXEMPT LARGE QUANTITY GENERATOR CERTIFICATION

Dexsil CDT  
Test Results

PPM

TOTAL

CHARGE MY ACCOUNT FOR THIS TRANSACTION UNLESS OTHERWISE INDICATED IN THE PAYMENT SECTION. INVOICED REFLECTING CHARGES TO CUSTOMER ARE SUBJECT TO AN INTEREST RATE OF THE LESSER OF 1-1/2% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW ON ANY INVOICES THAT ARE NOT PAID WITHIN 30 DAYS. IN THE EVENT OF DEFAULT, ENVIRO WASTE SHALL BE ENTITLED TO RECOVER COSTS OF COLLECTION, INCLUDING REASONABLE ATTORNEY'S FEES. INITIAL \$

## PAYMENT RECEIVED SECTION

CASH ☐

TOTAL RECEIVED

CHECK  
NUMBER

In accordance with NJAC7:26-6.7b + 40 CFR PART 279, Enviro Waste has notified the US EPA of its location and used oil management activities.

PRINT NAME  
SIGNATURE

DATE

ENVIRO WASTE REPRESENTATIVE

GENERATOR WARRANTS AND REPRESENTS THAT THE MATERIALS PROVIDED ENVIRO WASTE HEREUNDER HAVE NOT BEEN MIXED, COMBINED, OR OTHERWISE BLENDED IN ANY QUANTITY WITH MATERIALS CONTAINING POLYCHLORINATED BIPHENYLS (PCB) OR ANY OTHER MATERIAL DEFINED AS HAZARDOUS WASTE UNDER APPLICABLE LAWS, INCLUDING BUT NOT LIMITED TO 40 CFR PART 261. GENERATOR AGREES TO INDEMNIFY AND HOLD ENVIRO WASTE HARMLESS FOR ANY DAMAGES, COSTS, ATTORNEY'S FEES, ETC. ARISING OUT OF OR IN ANY WAY RELATED TO A BREACH OF THE ABOVE WARRANTY BY THE GENERATOR.

Generator certifies that the waste is ☐ used oil ☐ used antifreeze ☐ oily water ☐ Other

DESCRIPTION

In accordance with N.J.A.C. 7:26-12.1 et seq. Enviro Waste has the required permits to accept the above described waste.

PRINT NAME

TITLE

SIGNATURE

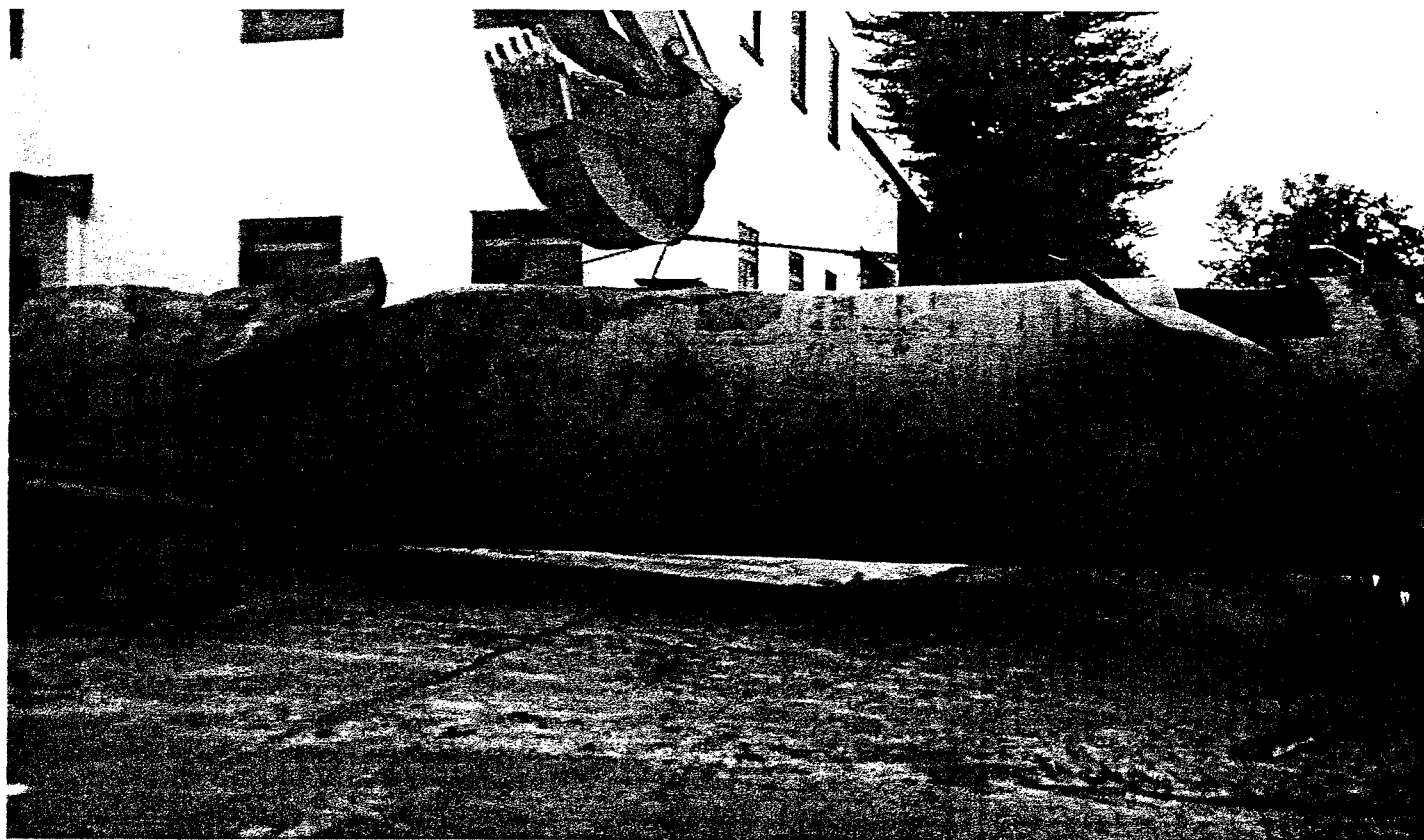
DATE

GENERATOR/CUSTOMER

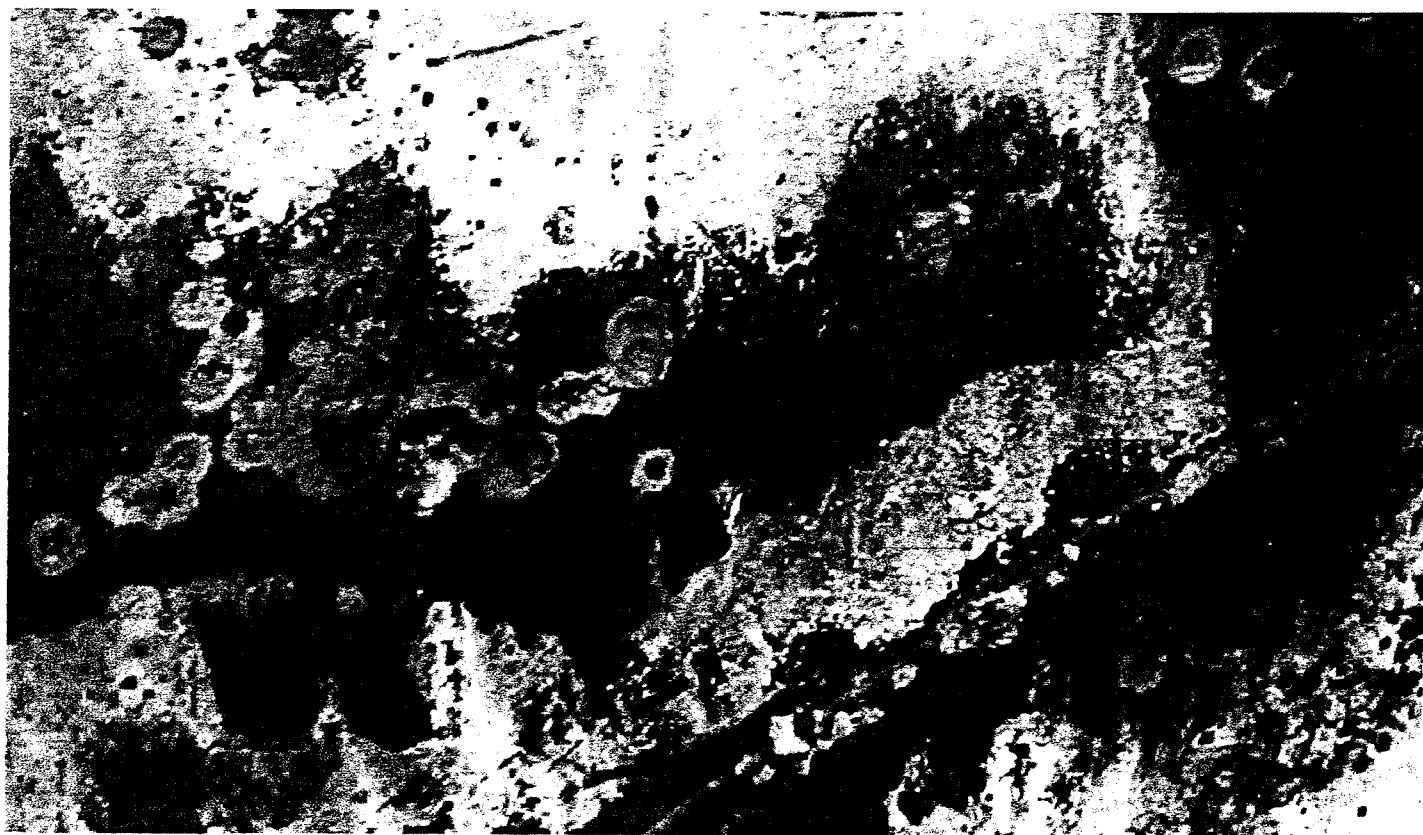
## **APPENDIX D**

### **Site Photographs**

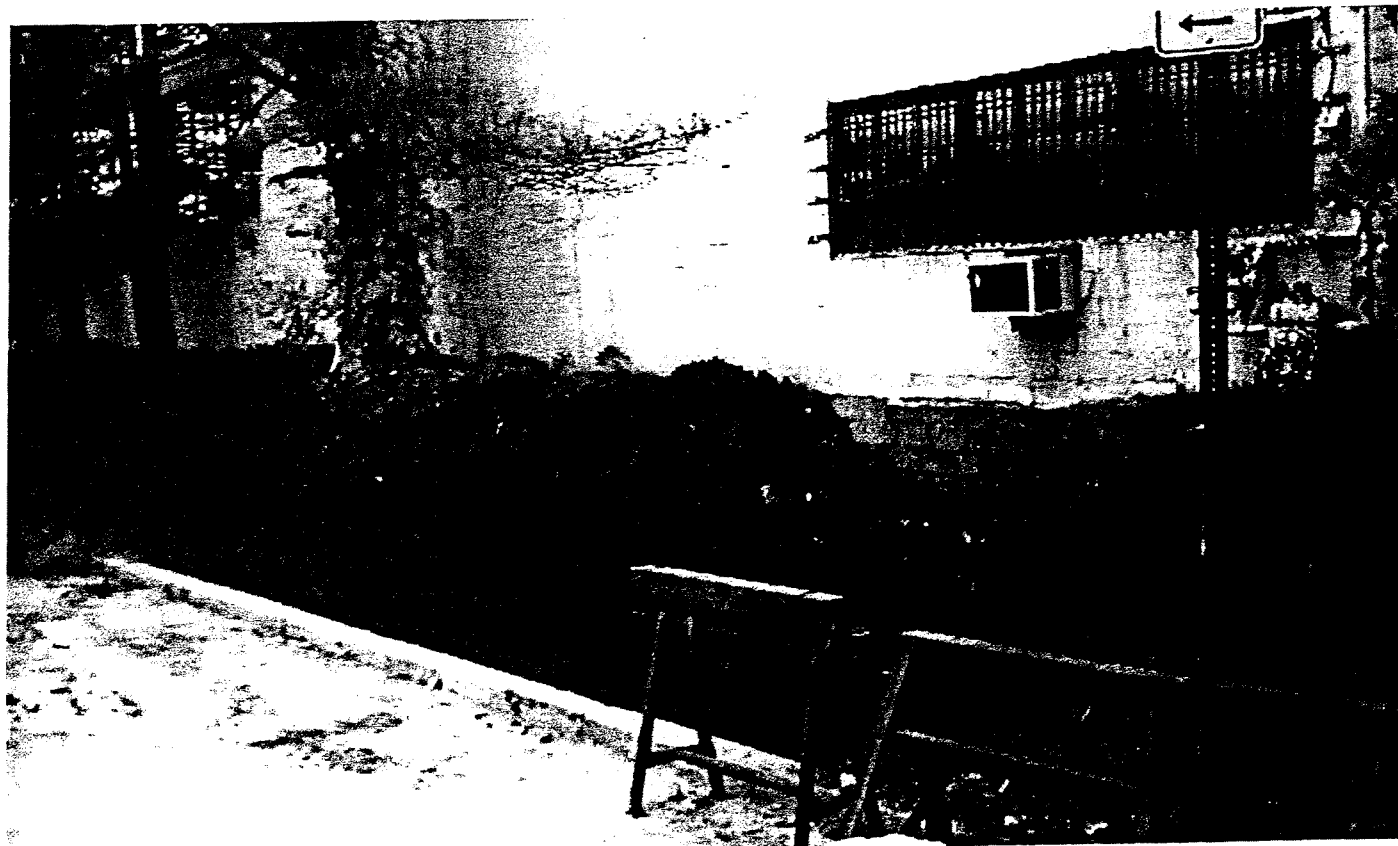




275 Kisco Avenue - Removed 10,000 gallon underground storage tank



275 Kisco Avenue - Removed 10,000 gallon underground storage tank (Note: holes in tank)



275 Kisco Avenue - Excavation after removal of 10,000 gallon underground storage tank



275 Kisco Avenue - Excavation after removal of 10,000 gallon underground storage tank

## **APPENDIX E**

### **Tank Recycling Receipt**



## SCALE PURCHASE TICKET

**BMC**

Brookfield  
100 Lamont Street  
Elmsford, NY 10523  
914-592-5250

Ticket: 15375  
Customer: 9999999  
A VALUED CUSTOMER

Weigh In: 10/21/2004 14:46  
Weigh Out: 10/21/2004 15:08

### LISIS TOWING

Commodity	Gross	Tare	Net	Price	TOTAL \$
Tanks - No Value	52660	43480	9180	0.000/CW	\$0.00
Ticket Total					\$0.00

I hereby certify that I have the right to possess and sell this scrap.  
This is a Bill of Sale to the above described scrap.  
I hereby acknowledge payment in-full.

Customer Signature

*Please do not lose this ticket.  
Ticket required for payment.*

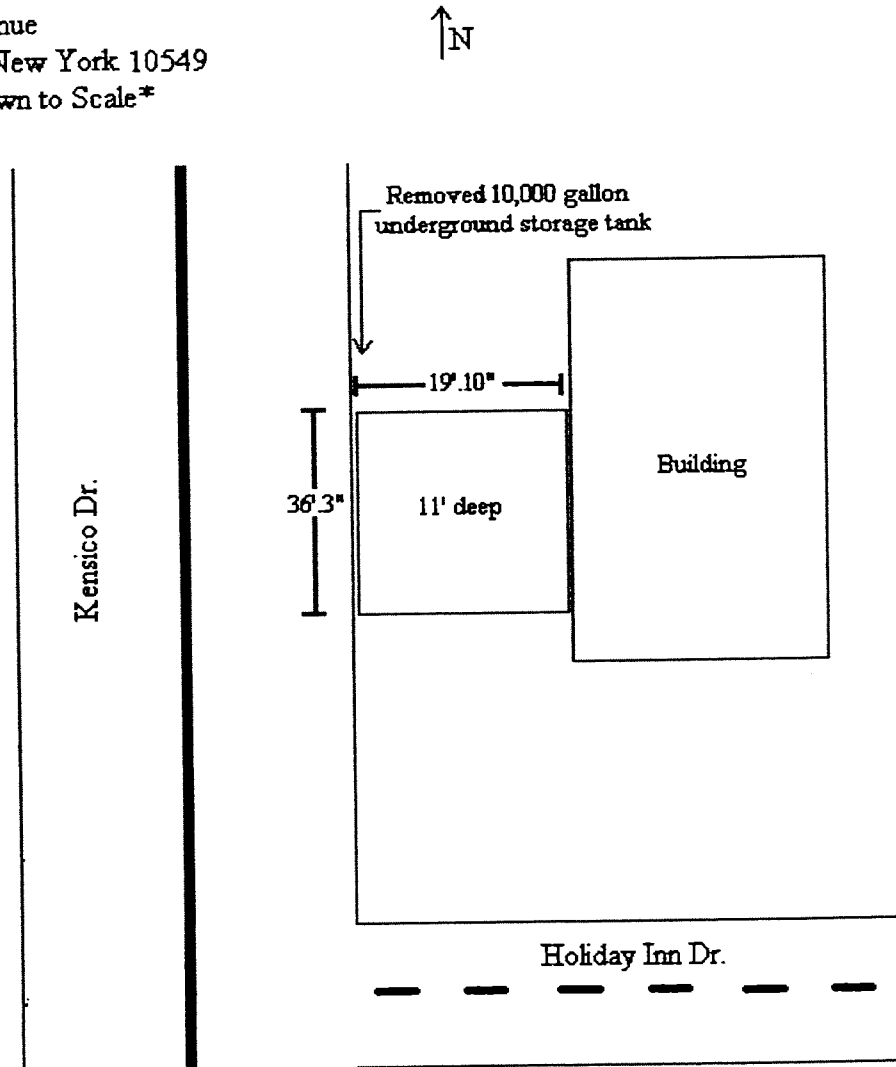
Weather Forecast  
Today  
PM Showers 55/43  
Tomorrow  
Mostly Cloudy 56/41

## **APPENDIX F**

### **Site Diagram**

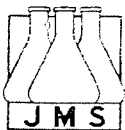
**ELITE ENVIRONMENTAL SERVICES, INC.**  
**17 Saint Charles Street**  
**Thornwood, New York 10594**  
**1-877-234-TANK**

Site Diagram  
Kensico Properties  
275 Kisco Avenue  
Mount Kisco, New York 10549  
\*Map Not Drawn to Scale\*



## **APPENDIX G**

### **Tank Bottom Soil Sample Analytical Results**



JMS ENVIRONMENTAL SERVICES, INC.

1500 SUMMER STREET

STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

### Elite Tank: Kensico Properties

**Client Information:**

Name: Elite Tank

Address: 17 St Charles

City: Thornwood

State: NY

Zip: 10594

Telephone: 914-747-9741

Fax: 914-747-9744

**Collector's Information:**

Name: Ray Hilyer

Address of site: 275 Kisco Ave

City: Mt Kisco

State: NY

Zip:

Telephone:

**Sample Information:**

Source: excavation bottom

Preservative: N/A

Temperature: <4C

Date Collected: 10/20/04

Time Collected: 15:30

Date Received: 10/21/04

Time Received: 12:15

Lab No.: J0410696

Sample Analyzed	Test Name	Result	Method
10/22/2004	Total TPH	2000 mg/kg	418.1

mg/kg-micrograms per kilogram

mg/L-milligrams per Liter

mg/kg-milligrams per kilogram

Reviewed by:

*Sharon Houlahan*  
Sharon Houlahan, Director

Signature:

*Michael Lapman*  
Michael Lapman  
President

State #: PH-0218



## **APPENDIX H**

### **Hazardous Waste Manifests**

**RASCO MATERIALS, LLC****Non-Hazardous Waste Manifest**

Solid Waste Facility #134M05

NYDEC Permit Number #3-1326-00144000091-0

**Generator****Site**Generator Name Elite ExileSite Name Kensico RRPGenerator Address 17 St CharlesSite Address 730 AveAddress Thornwood NYAddress MT RISOPhone # (914) 747-9741Phone # **Waste Description**#2 Oil ☒☒Diesel Fuel ☐Gasoline ☐Jet Fuel ☐#4 Oil ☒☒#6 Oil ☐Mineral Oil ☐Kerosene ☐

I hereby certify that the above designated waste is not a hazardous waste nor does it contain PCB's as defined by 40 CFR Part 261 or any applicable state law.

Generator or authorized name RAYSignature NYLCDate 11/1**Transporter**Transporter name ENVIROSTAR CORPDriver name TIM FARRELLAddress 50 FIELDS LANE ELLENSTONVan. No./Lic # Contact Vehicle cert # Phone (845) 279-9555Driver signature [Signature]Shipment date 10-26-04Driver signature [Signature]Delivery date 10-26-04**Facility**

I hereby certify that the above described non-hazardous virgin material was received at the designated Solid Waste Facility in Wingdale, NY.

I hereby certify that the above described waste has been accepted and to the best of my knowledge the foregoing is true and accurate.

Signature [Signature] Date 10-26-04



## NYDEC Permit Number: 90-1326-00-4400003-0

Site Name San Jose Kinsico Camp  
 Site Address San Jose Kinsico  
 Address San Jose MT Kinsico  
 Phone # ( )

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

101251 05  
Date

### Battery data

10.26 ay



# RASCO MATERIALS, LLC

## Non-Hazardous Waste Manifest

Solid Waste Facility #14M03  
NYDEC Permit Number # 3-1326-00344/00001-0

### Generator

### Site

Generator Name FLITE KNIVES  
Generator Address 175 E. 4th St  
Address Tioga County NY  
Phone # ( 914 ) 7479741

Site Name KENNEDY PROPERTIES  
Site Address RISCO AVE  
Address MT KISCO  
Phone # ( )

### Waste Description

#2 Oil ☒ Diesel Fuel ☐ Gasoline ☐ Jet Fuel ☐  
#4 Oil ☐ #6 Oil ☐ Mineral Oil ☐ Kerosene ☐

I hereby certify that the above designated soils are not a hazardous waste nor does it contain PCB's as defined by 40 CFR Part 261 or any applicable state law.

RAY HYLER  
Generator or authorized name

[Signature]  
Signature

10/25/04  
Date

### Transporter

Transporter name ENVIKOSRAC CORP.  
Address 50 FIELDS LANE BRANSTEN  
Contact [Signature]  
Phone ( 845 ) 279-9558

Driver name TIM FARRALL  
Veh. No./Lic # [Blank]  
Vehicle cert # [Blank]

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the facility listed below.

[Signature]  
Driver signature

10-25-04  
Shipment date

[Signature]  
Driver signature

10/25/04  
Delivery date

### Facility

This Manifest document certifies that 26.75 Tons of the above described non-hazardous virgin laminated petroleum soils was received at TI Materials Corp. Solid Waste Facility in Wingdale, NY.

I hereby certify that the above named materials has been accepted and to the best of my knowledge the going is true and accurate.

Name of Facility authorized agent

[Signature]  
Signature of Facility authorized agent

10,2504  
Date

# RASCO MATERIALS, LLC

## Non-Hazardous Waste Manifest

Solid Waste Facility #14M03  
NYDEC Permit Number #3-1326-00144/00001-0

### Generator

Generator Name Elite Enviro  
Generator Address 17th Charles  
Address THORN WOOD NY  
Phone # ( 911 ) 947-9741

### Site

Site Name RASCO PROJ  
Site Address KISCO AVE  
Address MT KISCO NY  
Phone # ( )

### Waste Description

#2 Oil ☒ Diesel Fuel ☒ Gasoline ☒ Jet Fuel ☐  
#4 Oil ☐ #6 Oil ☐ Mineral Oil ☐ Kerosene ☐

I hereby certify that the above designated soils are not a hazardous waste nor does it contain PCB's as defined by 40 CFR Part 261 or any applicable state law.

RAY HYLER X Signature Date 1/1

Generator or authorized name

### Transporter

Transporter name \_\_\_\_\_ Driver name \_\_\_\_\_  
Address \_\_\_\_\_ Veh. No./Lic # \_\_\_\_\_  
Contact \_\_\_\_\_ Vehicle cert # \_\_\_\_\_  
Phone ( ) \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the facility listed below.

[Signature] X [Signature]  
Driver signature Shipment date Driver signature Delivery date

### Facility

This Manifest document certifies that 23.32 Tons of the above described non-hazardous virgin contaminated petroleum soils was received at TT Materials Corp. Solid Waste Facility in Wingdale, NY.

I hereby certify that the above named materials has been accepted and to the best of my knowledge the foregoing is true and accurate.

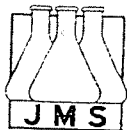
Print name of Facility authorized agent

X Signature of Facility authorized agent

Date 1/26/04

## **APPENDIX I**

### **Post-Excavation Soil Sample Laboratory Analytical Results**



JMS ENVIRONMENTAL SERVICES, INC.

1500 SUMMER STREET

STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

### Elite Tank ID: Kensico Properties

**Client Information:**

Sample: Elite Tank

Address: 17 St Charles

City: Thomwood

State: NY

Zip: 10594

Telephone: 914-747-9741

Fax: 914-747-9744

**Collector's Information:**

Name: Martha Macklin

Address of site: 275 Kisco Avenue

City: Mount Kisco

State: NY

Zip:

Telephone:

**Sample Information:**

Sample: Tank Bottom

Preservative: N/A

Temperature: <4C

Date Collected: 10/21/04

Time Collected: 2:00pm

Date Received: 10/22/04

Time Received: 3:00pm

Lab No.: J0410749

Sample Analyzed	Test Name	Result	Method
	EPA 8021		
10/25/2004	Benzene	<5 ug/kg	8260/8021
10/25/2004	Ethylbenzene	<5 ug/kg	8260/8021
10/25/2004	Toluene	<5 ug/kg	8260/8021
10/25/2004	o-Xylene	<5 ug/kg	8260/8021
10/25/2004	m&p-Xylene	<5 ug/kg	8260/8021
10/25/2004	Total Xylenes	<5 ug/kg	8260/8021
10/25/2004	Isopropylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Propylbenzene	<5 ug/kg	8260/8021
10/25/2004	p-Isopropyltoluene	<5 ug/kg	8260/8021
10/25/2004	1,2,4-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	1,3,5-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Butylbenzene	<5 ug/kg	8260/8021
10/25/2004	sec-Butylbenzene	<5 ug/kg	8260/8021
10/25/2004	Naphthalene	<5 ug/kg	8260/8021
10/25/2004	MTBE	<5 ug/kg	8260/8021
10/25/2004	t-Butyl Benzene	<5 ug/kg	8260/8021

Less Than

micrograms per kilogram

State #: PH-0218

ELAP#: 11715



JMS ENVIRONMENTAL SERVICES, INC.  
1500 SUMMER STREET  
STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

### Elite Tank ID: Kensico Properties

**Sending Information:**

Name: Elite Tank

Address: 17 St Charles

City: Thornwood

State: NY

Zip: 10594

Telephone: 914-747-9741

Fax: 914-747-9744

**Collector's Information:**

Name: Martha Macklin

Address of site: 275 Kisco Avenue

City: Mount Kisco

State: NY

Zip:

Telephone:

**Sample's Information:**

Site: Tank Bottom

Preservative:

N/A

Temperature:

<4C

Date Collected: 10/21/04

Time Collected: 2:00pm

Date Received: 10/22/04

Time Received: 3:00pm

Lab No.: J0410749

**Date Analyzed****Test Name****Result****Method****EPA 8270**

10/25/2004

Naphthalene

<330 ug/kg

8270

10/25/2004

Acenaphthylene

<330 ug/kg

8270

10/25/2004

Acenaphthene

<330 ug/kg

8270

10/25/2004

Fluorene

<330 ug/kg

8270

10/25/2004

Phenanthrene

<330 ug/kg

8270

10/25/2004

Anthracene

<330 ug/kg

8270

10/25/2004

Fluoranthene

<330 ug/kg

8270

10/25/2004

Pyrene

<330 ug/kg

8270

10/25/2004

Benzo(a)anthracene

<330 ug/kg

8270

10/25/2004

Chrysene

<330 ug/kg

8270

10/25/2004

Benzo(b)fluoranthene

<330 ug/kg

8270

10/25/2004

Benzo(k)fluoranthene

<330 ug/kg

8270

10/25/2004

Benzo(a)pyrene

<330 ug/kg

8270

10/25/2004

Indeno(1,2,3-cd)pyrene

<330 ug/kg

8270

10/25/2004

Dibenz(a,h)anthracene

<330 ug/kg

8270

10/25/2004

Benzo(g,h,i)perylene

<330 ug/kg

8270

Less Than

ug/kg-micrograms per kilogram

Reviewed by:

*Sharon Houlahan*

Sharon Houlahan, Director

Signature:

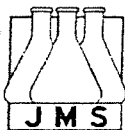
*Michael Lapman*

Michael Lapman  
President

State #: PH-0218

ELAP#: 11715





JMS ENVIRONMENTAL SERVICES, INC.

1500 SUMMER STREET

STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

### Elite Tank ID: Kensico Properties

**Mailing Information:**

**Name:** Elite Tank

**Address:** 17 St Charles

**City:** Thornwood

**State:** NY **Zip:** 10594

**Telephone:** 914-747-9741 **Fax:** 914-747-9744

**Collector's Information:**

**Name:** Martha Macklin

**Address of site:** 275 Kisco Avenue

**City:** Mount Kisco

**State:** NY **Zip:**

**Telephone:**

**Sample's Information:**

**Site:** North Wall

**Preservative:** N/A

**Temperature:** <4C

**Date Collected:** 10/21/04

**Time Collected:** 2:00pm

**Date Received:** 10/22/04

**Time Received:** 3:00pm

**Lab No.:** J0410750

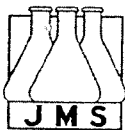
Date Analyzed	Test Name	Result	Method
	<b>EPA 8021</b>		
10/25/2004	Benzene	<5 ug/kg	8260/8021
10/25/2004	Ethylbenzene	<5 ug/kg	8260/8021
10/25/2004	Toluene	<5 ug/kg	8260/8021
10/25/2004	o-Xylene	<5 ug/kg	8260/8021
10/25/2004	m&p-Xylene	<5 ug/kg	8260/8021
10/25/2004	Total Xylenes	<5 ug/kg	8260/8021
10/25/2004	Isopropylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Propylbenzene	7.6 ug/kg	8260/8021
10/25/2004	p-Isopropyltoluene	27 ug/kg	8260/8021
10/25/2004	1,2,4-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	1,3,5-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Butylbenzene	36 ug/kg	8260/8021
10/25/2004	sec-Butylbenzene	25 ug/kg	8260/8021
10/25/2004	Naphthalene	<5 ug/kg	8260/8021
10/25/2004	MTBE	<5 ug/kg	8260/8021
10/25/2004	t-Butyl Benzene	<5 ug/kg	8260/8021

<-Less Than

ug/kg-micrograms per kilogram

**State #:** PH-0218

**ELAP#:** 11715



JMS ENVIRONMENTAL SERVICES, INC.

1500 SUMMER STREET

STAMFORD, CONNECTICUT 06905

NELAP, CT and NY State Certified Environmental Laboratory

**Elite Tank ID: Kensico Properties**

**Sampling Information:**

Sample Name: Elite Tank

Address: 17 St Charles

City: Thornwood

State: NY

Zip: 10594

Telephone: 914-747-9741

Fax: 914-747-9744

**Collector's Information:**

Name: Martha Macklin

Address of site: 275 Kisco Avenue

City: Mount Kisco

State: NY

Zip:

Telephone:

**Sample's Information:**

Location: North Wall

Preservative:

N/A

Temperature:

<4C

Date Collected: 10/21/04

Time Collected: 2:00pm

Date Received: 10/22/04

Time Received: 3:00pm

Lab No.: J0410750

Sample Analyzed	Test Name	Result	Method
	<b>EPA 8270</b>		
10/25/2004	Naphthalene	<330 ug/kg	8270
10/25/2004	Acenaphthylene	<330 ug/kg	8270
10/25/2004	Acenaphthene	<330 ug/kg	8270
10/25/2004	Fluorene	<330 ug/kg	8270
10/25/2004	Phenanthrene	<330 ug/kg	8270
10/25/2004	Anthracene	<330 ug/kg	8270
10/25/2004	Fluoranthene	<330 ug/kg	8270
10/25/2004	Pyrene	<330 ug/kg	8270
10/25/2004	Benzo(a)anthracene	<330 ug/kg	8270
10/25/2004	Chrysene	<330 ug/kg	8270
10/25/2004	Benzo(b)fluoranthene	<330 ug/kg	8270
10/25/2004	Benzo(k)fluoranthene	<330 ug/kg	8270
10/25/2004	Benzo(a)pyrene	<330 ug/kg	8270
10/25/2004	Indeno(1,2,3-cd)pyrene	<330 ug/kg	8270
10/25/2004	Dibenz(a,h)anthracene	<330 ug/kg	8270
10/25/2004	Benzo(g,h,i)perylene	<330 ug/kg	8270

Less Than

/kg-micrograms per kilogram

Reviewed by:

*Sharon Houlahan*  
Sharon Houlahan, Director

Signature:

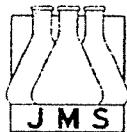
*Michael Lapman*

Michael Lapman

President

State #: PH-0218

ELAP#: 11715



JMS ENVIRONMENTAL SERVICES, INC.

1500 SUMMER STREET

STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

### Elite Tank ID: Kensico Properties

**Shipping Information:**

**Name:** Elite Tank

**Address:** 17 St Charles

**City:** Thornwood

**State:** NY

**Zip:** 10594

**Telephone:** 914-747-9741

**Fax:** 914-747-9744

**Collector's Information:**

**Name:** Martha Macklin

**Address of site:** 275 Kisco Avenue

**City:** Mount Kisco

**State:** NY

**Zip:**

**Telephone:**

**Sample's Information:**

**Site:** South Wall

**Preservative:** N/A

**Temperature:** <4C

**Date Collected:** 10/21/04

**Time Collected:** 2:00pm

**Date Received:** 10/22/04

**Time Received:** 3:00pm

**Lab No.:** J0410751

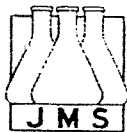
Date Analyzed	Test Name	Result	Method
	<b>EPA 8021</b>		
10/25/2004	Benzene	<5 ug/kg	8260/8021
10/25/2004	Ethylbenzene	<5 ug/kg	8260/8021
10/25/2004	Toluene	<5 ug/kg	8260/8021
10/25/2004	o-Xylene	<5 ug/kg	8260/8021
10/25/2004	m&p-Xylene	<5 ug/kg	8260/8021
10/25/2004	Total Xylenes	<5 ug/kg	8260/8021
10/25/2004	Isopropylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Propylbenzene	<5 ug/kg	8260/8021
10/25/2004	p-Isopropyltoluene	<5 ug/kg	8260/8021
10/25/2004	1,2,4-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	1,3,5-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Butylbenzene	<5 ug/kg	8260/8021
10/25/2004	sec-Butylbenzene	<5 ug/kg	8260/8021
10/25/2004	Naphthalene	<5 ug/kg	8260/8021
10/25/2004	MTBE	<5 ug/kg	8260/8021
10/25/2004	t-Butyl Benzene	<5 ug/kg	8260/8021

<=Less Than

ug/kg-micrograms per kilogram

**State #:** PH-0218

**ELAP#:** 11715



JMS ENVIRONMENTAL SERVICES, INC.

1500 SUMMER STREET

STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

### Elite Tank ID: Kensico Properties

**Mailing Information:**

Name: Elite Tank

Address: 17 St Charles

City: Thornwood

State: NY Zip: 10594

Telephone: 914-747-9741 Fax: 914-747-9744

**Collector's Information:**

Name: Martha Macklin

Address of site: 275 Kisco Avenue

City: Mount Kisco

State: NY Zip:

Telephone:

**Sample's Information:**

Site: South Wall

Preservative: N/A

Temperature: <4C

Date Collected: 10/21/04

Time Collected: 2:00pm

Date Received: 10/22/04

Time Received: 3:00pm

Lab No.: J0410751

Date Analyzed	Test Name	Result	Method
	<b>EPA 8270</b>		
10/25/2004	Naphthalene	<330 ug/kg	8270
10/25/2004	Acenaphthylene	<330 ug/kg	8270
10/25/2004	Acenaphthene	<330 ug/kg	8270
10/25/2004	Fluorene	<330 ug/kg	8270
10/25/2004	Phenanthrene	<330 ug/kg	8270
10/25/2004	Anthracene	<330 ug/kg	8270
10/25/2004	Fluoranthene	<330 ug/kg	8270
10/25/2004	Pyrene	<330 ug/kg	8270
10/25/2004	Benzo(a)anthracene	<330 ug/kg	8270
10/25/2004	Chrysene	<330 ug/kg	8270
10/25/2004	Benzo(b)fluoranthene	<330 ug/kg	8270
10/25/2004	Benzo(k)fluoranthene	<330 ug/kg	8270
10/25/2004	Benzo(a)pyrene	<330 ug/kg	8270
10/25/2004	Indeno(1,2,3-cd)pyrene	<330 ug/kg	8270
10/25/2004	Dibenz(a,h)anthracene	<330 ug/kg	8270
10/25/2004	Benzo(g,h,i)perylene	<330 ug/kg	8270

<=Less Than

ug/kg-micrograms per kilogram

Reviewed by:

Sharon Houlahan, Director

Signature:

Michael Lapman

President

State #: PH-0218

ELAP#: 11715



IMS ENVIRONMENTAL SERVICES, INC.  
1500 SUMMER STREET  
STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

### Elite Tank ID: Kensico Properties

**Sample Information:**

Sample: Elite Tank

Address: 17 St Charles

Thornwood

State: NY

Zip: 10594

Phone: 914-747-9741

Fax: 914-747-9744

**Collector's Information:**

Name: Martha Macklin

Address of site: 275 Kisco Avenue

City: Mount Kisco

State: NY

Zip:

Telephone:

**Sample Information:**

Sample: East Wall 1

Preservative:

N/A

Temperature:

<4C

Date Collected: 10/21/04

Time Collected: 2:00pm

Date Received: 10/22/04

Time Received: 3:00pm

Lab No.: J0410752

Sample Analyzed	Test Name	Result	Method
	<b>EPA 8021</b>		
10/25/2004	Benzene	<5 ug/kg	8260/8021
10/25/2004	Ethylbenzene	<5 ug/kg	8260/8021
10/25/2004	Toluene	<5 ug/kg	8260/8021
10/25/2004	o-Xylene	<5 ug/kg	8260/8021
10/25/2004	m&p-Xylene	<5 ug/kg	8260/8021
10/25/2004	Total Xylenes	<5 ug/kg	8260/8021
10/25/2004	Isopropylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Propylbenzene	<5 ug/kg	8260/8021
10/25/2004	p-Isopropyltoluene	<5 ug/kg	8260/8021
10/25/2004	1,2,4-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	1,3,5-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Butylbenzene	<5 ug/kg	8260/8021
10/25/2004	sec-Butylbenzene	<5 ug/kg	8260/8021
10/25/2004	Naphthalene	<5 ug/kg	8260/8021
10/25/2004	MTBE	<5 ug/kg	8260/8021
10/25/2004	t-Butyl Benzene	<5 ug/kg	8260/8021

Less Than

ug/kg-micrograms per kilogram

State #: PH-0218

ELAP#: 11715



JMS ENVIRONMENTAL SERVICES, INC.  
1500 SUMMER STREET  
STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

### Elite Tank ID: Kensico Properties

**Shipping Information:**

Name: Elite Tank

Address: 17 St Charles

City: Thornwood

State: NY

Zip: 10594

Telephone: 914-747-9741

Fax: 914-747-9744

**Collector's Information:**

Name: Martha Macklin

Address of site: 275 Kisco Avenue

City: Mount Kisco

State: NY

Zip:

Telephone:

**Sample's Information:**

Site: East Wall 1

Preservative: N/A

Temperature: <4C

Date Collected: 10/21/04

Time Collected: 2:00pm

Date Received: 10/22/04

Time Received: 3:00pm

Lab No.: J0410752

Date Analyzed	Test Name	Result	Method
	EPA 8270		
10/25/2004	Naphthalene	<330 ug/kg	8270
10/25/2004	Acenaphthylene	<330 ug/kg	8270
10/25/2004	Acenaphthene	<330 ug/kg	8270
10/25/2004	Fluorene	<330 ug/kg	8270
10/25/2004	Phenanthrene	<330 ug/kg	8270
10/25/2004	Anthracene	<330 ug/kg	8270
10/25/2004	Fluoranthene	<330 ug/kg	8270
10/25/2004	Pyrene	<330 ug/kg	8270
10/25/2004	Benzo(a)anthracene	<330 ug/kg	8270
10/25/2004	Chrysene	<330 ug/kg	8270
10/25/2004	Benzo(b)fluoranthene	<330 ug/kg	8270
10/25/2004	Benzo(k)fluoranthene	<330 ug/kg	8270
10/25/2004	Benzo(a)pyrene	<330 ug/kg	8270
10/25/2004	Indeno(1,2,3-cd)pyrene	<330 ug/kg	8270
10/25/2004	Dibenz(a,h)anthracene	<330 ug/kg	8270
10/25/2004	Benzo(g,h,i)perylene	<330 ug/kg	8270

<-Less Than

ug/kg-micrograms per kilogram

Reviewed by:

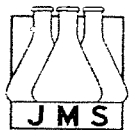
Sharon Houlahan, Director

Signature:

Michael Lapman  
President

State #: PH-0218

ELAP#: 11715



JMS ENVIRONMENTAL SERVICES, INC.

1500 SUMMER STREET

STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

## Elite Tank ID: Kensico Properties

### Sampling Information:

Name: Elite Tank

Address: 17 St Charles

City: Thornwood

State: NY

Zip: 10594

Telephone: 914-747-9741

Fax: 914-747-9744

### Collector's Information:

Name: Martha Macklin

Address of site: 275 Kisco Avenue

City: Mount Kisco

State: NY

Zip:

Telephone:

### Sample's Information:

Site: East Wall 2

Reservative: N/A

Temperature: <4C

Date Collected: 10/21/04

Time Collected: 2:00pm

Date Received: 10/22/04

Time Received: 3:00pm

Lab No.: J0410753

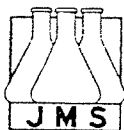
Date Analyzed	Test Name	Result	Method
	<b>EPA 8021</b>		
10/25/2004	Benzene	<5 ug/kg	8260/8021
10/25/2004	Ethylbenzene	<5 ug/kg	8260/8021
10/25/2004	Toluene	<5 ug/kg	8260/8021
10/25/2004	o-Xylene	<5 ug/kg	8260/8021
10/25/2004	m&p-Xylene	<5 ug/kg	8260/8021
10/25/2004	Total Xylenes	<5 ug/kg	8260/8021
10/25/2004	Isopropylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Propylbenzene	<5 ug/kg	8260/8021
10/25/2004	p-Isopropyltoluene	<5 ug/kg	8260/8021
10/25/2004	1,2,4-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	1,3,5-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Butylbenzene	<5 ug/kg	8260/8021
10/25/2004	sec-Butylbenzene	<5 ug/kg	8260/8021
10/25/2004	Naphthalene	<5 ug/kg	8260/8021
10/25/2004	MTBE	<5 ug/kg	8260/8021
10/25/2004	t-Butyl Benzene	<5 ug/kg	8260/8021

-Less Than

g/kg-micrograms per kilogram

State #: PH-0218

ELAP#: 11715



JMS ENVIRONMENTAL SERVICES, INC.

1500 SUMMER STREET

STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

### Elite Tank ID: Kensico Properties

**Mailing Information:**

Name: Elite Tank

Address: 17 St Charles

City: Thornwood

State: NY

Zip: 10594

Telephone: 914-747-9741

Fax: 914-747-9744

**Collector's Information:**

Name: Martha Macklin

Address of site: 275 Kisco Avenue

City: Mount Kisco

State: NY

Zip:

Telephone:

**Sample's Information:**

Site: East Wall 2

Preservative: N/A

Temperature: <4C

Date Collected: 10/21/04

Time Collected: 2:00pm

Date Received: 10/22/04

Time Received: 3:00pm

Lab No.: J0410753

Date Analyzed	Test Name	Result	Method
	<b>EPA 8270</b>		
10/25/2004	Naphthalene	<330 ug/kg	8270
10/25/2004	Acenaphthylene	<330 ug/kg	8270
10/25/2004	Acenaphthene	<330 ug/kg	8270
10/25/2004	Fluorene	<330 ug/kg	8270
10/25/2004	Phenanthrene	<330 ug/kg	8270
10/25/2004	Anthracene	<330 ug/kg	8270
10/25/2004	Fluoranthene	<330 ug/kg	8270
10/25/2004	Pyrene	<330 ug/kg	8270
10/25/2004	Benzo(a)anthracene	<330 ug/kg	8270
10/25/2004	Chrysene	<330 ug/kg	8270
10/25/2004	Benzo(b)fluoranthene	<330 ug/kg	8270
10/25/2004	Benzo(k)fluoranthene	<330 ug/kg	8270
10/25/2004	Benzo(a)pyrene	<330 ug/kg	8270
10/25/2004	Indeno(1,2,3-cd)pyrene	<330 ug/kg	8270
10/25/2004	Dibenz(a,h)anthracene	<330 ug/kg	8270
10/25/2004	Benzo(g,h,i)perylene	<330 ug/kg	8270

<-Less Than

ug/kg-micrograms per kilogram

Reviewed by:

Sharon Houlahan, Director

Signature:

Michael Lapman  
President

State #: PH-0218

ELAP#: 11715





JMS ENVIRONMENTAL SERVICES, INC.  
1500 SUMMER STREET  
STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

### Elite Tank ID: Kensico Properties

**Mailing Information:**

**Name:** Elite Tank

**Address:** 17 St Charles

**City:** Thornwood

**State:** NY

**Zip:** 10594

**Telephone:** 914-747-9741

**Fax:** 914-747-9744

**Collector's Information:**

**Name:** Martha Macklin

**Address of site:** 275 Kisco Avenue

**City:** Mount Kisco

**State:** NY

**Zip:**

**Telephone:**

**Sample's Information:**

**Site:** West Wall 1

**Preservative:** N/A

**Temperature:** <4C

**Date Collected:** 10/21/04

**Time Collected:** 2:00pm

**Date Received:** 10/22/04

**Time Received:** 3:00pm

**Lab No.:** J0410754

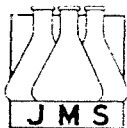
Date Analyzed	Test Name	Result	Method
	EPA 8021		
10/25/2004	Benzene	<5 ug/kg	8260/8021
10/25/2004	Ethylbenzene	<5 ug/kg	8260/8021
10/25/2004	Toluene	<5 ug/kg	8260/8021
10/25/2004	o-Xylene	<5 ug/kg	8260/8021
10/25/2004	m&p-Xylene	<5 ug/kg	8260/8021
10/25/2004	Total Xylenes	<5 ug/kg	8260/8021
10/25/2004	Isopropylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Propylbenzene	<5 ug/kg	8260/8021
10/25/2004	p-Isopropyltoluene	<5 ug/kg	8260/8021
10/25/2004	1,2,4-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	1,3,5-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Butylbenzene	<5 ug/kg	8260/8021
10/25/2004	sec-Butylbenzene	<5 ug/kg	8260/8021
10/25/2004	Naphthalene	<5 ug/kg	8260/8021
10/25/2004	MTBE	<5 ug/kg	8260/8021
10/25/2004	t-Butyl Benzene	<5 ug/kg	8260/8021

Less Than

ug/kg-micrograms per kilogram

**State #:** PH-0218

**ELAP#:** 11715



JMS ENVIRONMENTAL SERVICES, INC.

1500 SUMMER STREET

STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

### Elite Tank ID: Kensico Properties

**Client Information:**

Name: Elite Tank

Address: 17 St Charles

City: Thornwood

State: NY Zip: 10594

Telephone: 914-747-9741 Fax: 914-747-9744

**Collector's Information:**

Name: Martha Macklin

Address of site: 275 Kisco Avenue

City: Mount Kisco

State: NY Zip:

Telephone:

**Sample's Information:**

Site: West Wall 1

Reservative: N/A

Temperature: <4C

Date Collected: 10/21/04

Time Collected: 2:00pm

Date Received: 10/22/04

Time Received: 3:00pm

Lab No.: J0410754

Date Analyzed	Test Name	Result	Method
	<b>EPA 8270</b>		
10/25/2004	Naphthalene	<330 ug/kg	8270
10/25/2004	Acenaphthylene	<330 ug/kg	8270
10/25/2004	Acenaphthene	<330 ug/kg	8270
10/25/2004	Fluorene	<330 ug/kg	8270
10/25/2004	Phenanthrene	<330 ug/kg	8270
10/25/2004	Anthracene	<330 ug/kg	8270
10/25/2004	Fluoranthene	<330 ug/kg	8270
10/25/2004	Pyrene	<330 ug/kg	8270
10/25/2004	Benzo(a)anthracene	<330 ug/kg	8270
10/25/2004	Chrysene	<330 ug/kg	8270
10/25/2004	Benzo(b)fluoranthene	<330 ug/kg	8270
10/25/2004	Benzo(k)fluoranthene	<330 ug/kg	8270
10/25/2004	Benzo(a)pyrene	<330 ug/kg	8270
10/25/2004	Indeno(1,2,3-cd)pyrene	<330 ug/kg	8270
10/25/2004	Dibenz(a,h)anthracene	<330 ug/kg	8270
10/25/2004	Benzo(g,h,i)perylene	<330 ug/kg	8270

<330 ug/kg-micrograms per kilogram

Reviewed by:

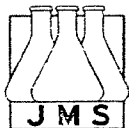
Sharon Houlahan, Director

Signature:

Michael Lapman  
President

State #: PH-0218

ELAP#: 11715



JMS ENVIRONMENTAL SERVICES, INC.

1500 SUMMER STREET

STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

### Elite Tank ID: Kensico Properties

**Shipping Information:**

**Name:** Elite Tank

**Address:** 17 St Charles

**City:** Thornwood

**State:** NY **Zip:** 10594

**Telephone:** 914-747-9741 **Fax:** 914-747-9744

**Collector's Information:**

**Name:** Martha Macklin

**Address of site:** 275 Kisco Avenue

**City:** Mount Kisco

**State:** NY **Zip:**

**Telephone:**

**Sample's Information:**

**Site:** West Wall 2

**Reservative:** N/A

**Temperature:** <4C

**Date Collected:** 10/21/04

**Time Collected:** 2:00pm

**Date Received:** 10/22/04

**Time Received:** 3:00pm

**Lab No.:** J0410755

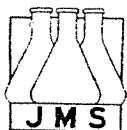
Date Analyzed	Test Name	Result	Method
	EPA 8021		
10/25/2004	Benzene	<5 ug/kg	8260/8021
10/25/2004	Ethylbenzene	<5 ug/kg	8260/8021
10/25/2004	Toluene	<5 ug/kg	8260/8021
10/25/2004	o-Xylene	<5 ug/kg	8260/8021
10/25/2004	m&p-Xylene	<5 ug/kg	8260/8021
10/25/2004	Total Xylenes	<5 ug/kg	8260/8021
10/25/2004	Isopropylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Propylbenzene	<5 ug/kg	8260/8021
10/25/2004	p-Isopropyltoluene	<5 ug/kg	8260/8021
10/25/2004	1,2,4-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	1,3,5-Trimethylbenzene	<5 ug/kg	8260/8021
10/25/2004	n-Butylbenzene	<5 ug/kg	8260/8021
10/25/2004	sec-Butylbenzene	<5 ug/kg	8260/8021
10/25/2004	Naphthalene	<5 ug/kg	8260/8021
10/25/2004	MTBE	<5 ug/kg	8260/8021
10/25/2004	t-Butyl Benzene	<5 ug/kg	8260/8021

<-Less Than

ug/kg-micrograms per kilogram

**State #:** PH-0218

**ELAP#:** 11715



JMS ENVIRONMENTAL SERVICES, INC.

1500 SUMMER STREET

STAMFORD, CONNECTICUT 06905

NELAC, CT and NY State Certified Environmental Laboratory

### Elite Tank ID: Kensico Properties

**Shipping Information:**

Name: Elite Tank

Address: 17 St Charles

City: Thornwood

State: NY

Zip: 10594

Telephone: 914-747-9741

Fax: 914-747-9744

**Collector's Information:**

Name: Martha Macklin

Address of site: 275 Kisco Avenue

City: Mount Kisco

State: NY

Zip:

Telephone:

**Sample's Information:**

Site: West Wall 2

Preservative: N/A

Temperature: <4C

Date Collected: 10/21/04

Time Collected: 2:00pm

Date Received: 10/22/04

Time Received: 3:00pm

Lab No.: J0410755

Site Analyzed	Test Name	Result	Method
	EPA 8270		
10/25/2004	Naphthalene	<330 ug/kg	8270
10/25/2004	Acenaphthylene	<330 ug/kg	8270
10/25/2004	Acenaphthene	<330 ug/kg	8270
10/25/2004	Fluorene	<330 ug/kg	8270
10/25/2004	Phenanthrene	<330 ug/kg	8270
10/25/2004	Anthracene	<330 ug/kg	8270
10/25/2004	Fluoranthene	<330 ug/kg	8270
10/25/2004	Pyrene	<330 ug/kg	8270
10/25/2004	Benzo(a)anthracene	<330 ug/kg	8270
10/25/2004	Chrysene	<330 ug/kg	8270
10/25/2004	Benzo(b)fluoranthene	<330 ug/kg	8270
10/25/2004	Benzo(k)fluoranthene	<330 ug/kg	8270
10/25/2004	Benzo(a)pyrene	<330 ug/kg	8270
10/25/2004	Indeno(1,2,3-cd)pyrene	<330 ug/kg	8270
10/25/2004	Dibenz(a,h)anthracene	<330 ug/kg	8270
10/25/2004	Benzo(g,h,i)perylene	<330 ug/kg	8270

Less Than

/kg-micrograms per kilogram

Reviewed by:

*Sharon Houlahan*

Sharon Houlahan, Director

Signature:

*Michael Lapman*

Michael Lapman

President

State #: PH-0218

ELAP#: 11715

## **APPENDIX J**

### **Sti-P3 Limited Warranty**

# sti-P3® Limited Warranty Validation Card

Please complete this form to validate your Limited Warranty. This card must be completely and accurately filled out and returned to STI within 30 days after the tank is installed, or within 90 days after the tank is shipped from the manufacturer, whichever comes first. By signing this form, the tank owner verifies that the tank was installed in accordance with STI Installation Instructions, the product stored is compatible with the tank, and the owner has read and agrees with the terms of the Limited Warranty, included with this form.

STI-P3 Label #: 270417 Shipment Date: 10-19-04  
Manufacturer's Name: STI TANK TANK CO. Installed Date: 11/19/04  
1000 100 STREET  
WATERVILLE, NY 12183

## INSTALLATION LOCATION INFORMATION

Name of Facility (where tank is installed): Kensico Properties  
Street address: 275 Kisco Avenue  
City: Mount Kisco State: NY ZIP: 10594 Country: USA  
Contact: John Mulorne Phone: 914-241-2800

### Check Product(s) Stored in this Tank:

☐ Wastewater or Water  
☐ Heating Oil (Petroleum #1, #2, #4, #5 heavy or #6)  
☐ Diesel fuel or kerosene for powering motor vehicles  
☐ Crude Oil  
☐ Waste Oil  
☐ Gasoline  
☐ Alcohol Blended Gasoline  
☐ AVGAS  
☐ Jet Fuel  
☐ Oil/Water Separator  
☐ Product which is heated during storage  
☐ Other substance: \_\_\_\_\_

### Check Type of Facility Where Tank is Installed:

☐ Private Residence ☐ Hospital  
☐ Farm/Nursery ☐ School  
☐ Gas Station ☐ Government  
☐ Convenience Store ☐ Marina  
☐ Jobber ☐ Airport  
☐ Quick Lube ☐ Industrial Site  
☐ Car Dealer ☐ Utility Site  
☒ Fleet Owner  
☒ Other Warehouse

## BILLING ADDRESS FOR TANK OWNER

Owner name: John Mulorne Phone: 914-241-2800  
Billing address: 275 Kisco Avenue P.O. Box : \_\_\_\_\_  
City: Mount Kisco State: NY Zip: 10594

## INSTALLER INFORMATION

Installation Company Name: Elite Environmental Services, Inc. Phone: 914-524-8491

## SIGNATURE REQUIRED

Signature below verifies that this tank was installed in accordance with STI Installation Instructions, the product is compatible with the tank and I have read and agree with the terms of the Limited Warranty, provided with this document.

Check here to request a Quote from Veri-Tank on Cathodic Protection Testing ☐

Signature (of person providing this information): Paula Reichert Date: 12/10/04

Base Print Name: Paula Reichert

Company Name: Elite Environmental Services, Inc. Phone: 914-524-8491

Thank you for completing this document and returning it to the STI address below:

STEEL TANK INSTITUTE • 570 Oakwood Rd. • Lake Zurich, IL 60047 • 847/438-8265 • FAX 847/438-8766

## **sti-P,<sup>®</sup> Limited Warranty**

### **Limitations of Liability and Disclaimer**

#### **What is Covered by this Warranty**

Provided that the conditions set forth below are satisfied, the steel tank manufacturer identified with the tank (hereinafter referred to as "Warrantor") warrants the sti-P,<sup>®</sup> tank for 30 years following delivery of the tank to the tank owner at the time of the original installation ("the Owner"), against any of the following events which may occur, provided the event occurs under operating conditions covered by this Warranty: (i) non-corrosion related structural failure; (ii) corrosion caused by reaction of the tank with its soil environment; and (iii) perforation of the steel tank caused by internal corrosion for those tanks equipped with wear plates and used to store heating or motor fuels, including alcohols, and other compatible chemicals. In addition, the Warrantor warrants the tank against failure due to defective materials and workmanship for up to 1 year following the delivery of the tank to the Owner.

#### **Conditions to Warranty Effectiveness**

The limited warranties set forth herein are subject to the following conditions:

1. The sti-P,<sup>®</sup> tank: (i) must be the original underground installation within the Continental United States of America, Alaska, Hawaii, and the Commonwealth of Puerto Rico or Canada; (ii) installed, operated and maintained in accordance with the applicable sti-P,<sup>®</sup> specifications and the applicable sti-P,<sup>®</sup> Installation Instructions that were in effect on the date of shipment by the Warrantor, any subsequent maintenance procedures of which the Owner has written notice, and any applicable governmental codes and regulations; and (iii) operated at a temperature no greater than 120° F and the maximum temperature limitations of the tank and its components as set forth in the specifications for the tank.

2. This Limited Warranty is not valid unless, and until, the Warranty Validation Card is fully completed by the Owner and returned to Steel Tank Institute (STI) within 30 days after the date of tank installation, or 90 days after the Warrantor's shipment of the tank, whichever comes first.

3. Upon discovery of a suspected tank failure or leak by the Owner, the Owner shall give the Warrantor written notice of the suspected tank failure or leak and permit the Warrantor or its designated representative to inspect the tank site prior to, during and after excavation of the tank. The tank owner bears the responsibility to identify that the cause of the failure is from one of the events within the conditions covered by the Warranty.

4. Upon the Warrantor's determination that the tank failure or leak is covered by this Limited Warranty, the Warrantor at its sole option shall: (1) repair the tank; or (2) replace it with a tank of approximately the same size, design, quality of material and workmanship specified for the original tank; or (3) refund the purchase price of the original tank. If the Warrantor is unable to repair or replace the tank, it shall refund the original purchase price of the tank.

#### **What is Not Covered by this Warranty**

Warrantor does not warrant any piping system or any other attachments connected with the tank. Under no circumstances, shall the Warrantor be liable for: (1) the cost of repair or replacement of any piping system or other attachments to the tank; or (2) labor costs or other installation costs for tank repair or replacement; or (3) damage to the tank or other property resulting from the accumulation of water in the tank; or (4) damage caused by excessive operating temperatures or other improper operating or maintenance practices; or (5) tank failure due to defective materials and workmanship later than one year following delivery of the tank to the Owner.

#### **Limitation of Liability and Exclusion of Other Remedies and Damages**

The foregoing remedy of repair, replacement or refund shall constitute the sole and exclusive remedy to the Owner. Under no circumstances, shall the liability of the Warrantor, or its affiliates or subsidiaries, under this warranty, exceed the purchase price of the tank.

IN NO EVENT SHALL THE WARRANTOR, OR ITS AFFILIATES OR SUBSIDIARIES, BE LIABLE FOR CLAIMS OF PERSONAL INJURY OR FOR SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUE, LOSS OF USE OF THE TANK OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF THE SUBSTITUTE EQUIPMENT, FACILITIES OR SERVICES, DOWNTIME COST, CLAIMS OF CUSTOMERS OF THE OWNER FOR SUCH DAMAGES, OR FOR DAMAGE TO PROPERTY, WHETHER SUCH CLAIM SHALL BE FOR BREACH OF CONTRACT, BREACH OF WARRANTY, NEGLIGENCE OR STRICT LIABILITY, AND WHETHER SUCH CLAIM ARISES OUT OF OR RESULTS FROM THIS LIMITED WARRANTY, OR EXPRESS OR IMPLIED WARRANTIES, OR FROM THE DESIGN, MANUFACTURE, SALE, DELIVERY, RESALE, INSTALLATION, TECHNICAL DIRECTION OF INSTALLATION, INSPECTION, REPAIR, OPERATION OR USE OF THE TANK.

#### **Consumer Notice**

The exclusion of indirect or consequential damages and the limitation of implied warranties herein may not be applicable to purchasers who are deemed "consumers" and who reside in states that do not allow the limitation of implied warranties or the exclusion of indirect or consequential damages otherwise applicable to consumers. Moreover, if you are deemed a "consumer", you may have specific legal rights in addition to those set forth in this warranty, which rights vary from state to state.

#### **Disclaimer of Other Warranties**

THE FOREGOING LIMITED WARRANTY IS THE ONLY WARRANTY MADE. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

#### **Financial Assurance**

Warrantor may have purchased insurance to cover some of its warranty obligations under this Limited Warranty. Such insurance would provide financial assurance for Warrantor's warranty obligations, but would not insure the Owner directly. If the Warrantor has purchased such insurance coverage, the Owner may request that the Warrantor provide a certificate of insurance to evidence Warrantor's purchase of such insurance.

Effective with installations on or after March 2, 2004.

# STI-P<sub>3</sub>™ UNDERGROUND STEEL STORAGE TANKS

## EXCAVATION AND BEDDING

The bottom of the excavation shall be covered with a minimum of 12 inches (305 mm) of bedding, suitably graded and leveled. Bedding and backfill material surrounding the tank, to a width and depth of 12 inches (305 mm) all around the tank, shall be clean material.

Where anchoring by means of a concrete pad, the tank shall not be placed directly on the pad. Bedding material at least 6 inches (152.4 mm) deep must be spread evenly over the dimensions of the pad to separate the tank from the pad.

Bedding and backfill material shall consist of homogenous pea gravel, crushed stone, clean sand or natural carbon materials. Crushed stone, clean sand and natural carbon materials shall be capable of passing 100% through a 1/2 inch (13 mm) sieve and no more than 12% by dry weight through a #200 sieve (0.0039 inch (0.0754 mm)). Pea gravel shall be no larger than 3/4-inch (19 mm). The materials shall be free of all foreign materials, such as but not limited to, bricks, metals, concrete and plastics.

The backfill material may be from the tank site if it meets this description, or it may be delivered to the site from another source.

Sand or natural carbon materials used as backfill shall be placed into the excavation in 12-18 inch (305-458 mm) vertical lifts, compacted after each lift, at least 60% up the vertical height of the tank.

If carbon material from the site, or other carbon material, is to be used as bedding or backfill material, a minimum of four 1 cu.ft. samples shall be taken from different locations which are representative of the backfill material and the site. Samples shall be sieved to determine if the material complies with this specification.

In a tidal area, the tank "bedding" material shall be crushed stone or pea gravel. Sand and natural carbon material may be used only if measures are taken to prevent washout of material during the design life of the system.

## AIR TEST AT JOB SITE

Temporary plugs and thread protectors installed by the manufacturer shall be removed. Apply compatible, non-hardening pipe sealant to internal bushing threads. Permanent metal plugs shall be installed at all unused openings.

The nylon bushings in sti-P<sub>3</sub> tanks shall not be removed from the unused openings. Plugs used to temporarily seal the tank for the above ground air test, but later removed for pipe installation, shall not be over tightened. Do not cross thread or damage the nylon bushings when replacing plugs or installing required tank piping.

Test pressure shall be maintained at, without exceeding, 5 psig (34.5 kPa) while a soap solution is applied to the area of pipe connections and welds.

Dual wall tanks shall require different air pressure testing procedures. Do not connect a high pressure air line directly to the interstitial monitoring port. A factory applied vacuum within the interstitial space can be used in lieu of, or in addition to, the air test procedure. Consult tank fabricator for air test recommendations. Do not apply a vacuum to the primary tank or a single wall tank. PEI/RP 100-00 also provides guidelines.

Take necessary safety precautions during air tests. Do not leave tanks unattended. Avoid standing at the head of the tank, especially while applying air pressure. Use an air-pressure relief valve.

## COATING INSPECTION

Before placing the tank in the excavation, all dirt clods and similar foreign matter shall be cleaned from the tank, and areas of coating damage shall be repaired with touch-up coating kit provided.

Clean damaged coating areas through removal of surface rust, dirt, contaminants and disbonded coating prior to application of touch-up coating (see SSPC SP-2 "Hand Tool Cleaning" or SP-3 "Power Tool Cleaning" for additional guidance).

## TANK HANDLING

Controlled off-loading of the tank shall be allowed.

Equipment to lift the tank shall be of adequate size to lift and lower the tank without dragging or dropping to ensure there is no damage to the tank or the coating.

Tanks shall be carefully lifted and lowered by use of cables or chains of adequate length attached to the lifting lugs provided. A spreader bar shall be used where necessary. Under no circumstances shall chains or slings be used around the tank shell.

## ANODE INTEGRITY

sti-P<sub>3</sub> tanks may be equipped with either zinc or magnesium anodes. Whereas magnesium anodes are designed only for installation in soil resistivities of 2000 ohm-cm or greater, zinc anodes are effective in all soil resistivities.

After an sti-P<sub>3</sub> tank has been placed in the excavation, if anode is connected by a lead wire, attachment to the tank shall be checked to assure this connection has not been damaged. Where damaged, the connection must be re-established in strict accordance with this specification.

To assure immediate operation of cathodic protection system, each anode shall be thoroughly saturated with water at time of backfill operations.

## ANCHORING

High water tables or partially flooded excavation sites exert significant buoyant forces on tanks. Buoyant forces are partially resisted by the weight of the tank, the backfill and the pavement atop the tank. Additional buoyant restraint, when required, shall be obtained by using properly designed hold-down straps in conjunction with concrete hold-down slabs or deadman anchors. The use of steel cable and/or round bar as hold-down straps on the tank is prohibited.

If a metallic hold-down strap is used, a pad of inert insulating dielectric material must be used to insulate the hold-down strap from the tank. The separating pad shall be wider than the hold-down straps, which will prevent direct contact between the straps and the tank shell. This pad is not required if the hold-down strap is fabricated from non-conductive material.

Ballasting the tank may be necessary. When water is used as the ballast material, it shall only be potable water and shall not remain in the tank longer than 60 days. During construction, adequately vent all tank spaces. If product is used as ballast, proper precautions must be taken to prevent fires, spills, leaks, and other associated accidents. Monitor product level frequently to ensure there has been no unaccounted loss of product. Do not over tighten hold-down straps beyond snug and do not re-tighten hold-down straps after ballasting.

## BACKFILLING

Homogeneous backfill similar to bedding material shall be placed carefully around the entire tank to create a uniform homogeneous environment. Avoid damage to coating especially where tamping is required. Installing and tamping backfill along the bottom sides of the tank shall ensure that the tank is fully and evenly supported around the bottom quadrant.

Prior to backfilling to top of tank, all openings shall be visually inspected to assure that the sti-P<sub>3</sub> nylon bushings remain in place. Where flanged openings have been used, isolation of the flange gaskets shall be confirmed with a continuity tester. No current shall pass through the factory installed flange gaskets. Isolation of the fittings is required to assure tank integrity.

If the tank is to be installed in the presence of an impressed current system, the effect of the system must be considered on the sti-P<sub>3</sub> tank. The corrosion consultant must consider including the sti-P<sub>3</sub> tank into the design of the impressed current system.

## FINAL AIR TEST

Install required tank piping using compatible non-hardening sealant, taking care not to cross thread or damage the non-metallic bushings. Torque of 400 to 1,000 ft-lbs (542 to 1355 N-m) may be required to fully insert pipe.

2.2 Where air or hydrostatic testing is required after installation, the pressure applied shall not be in excess of 5 psig (34.5 kPa) as measured at the top of the tank. A soap solution shall be applied around pipe connectors while air test is being performed.

## TANK MONITORING SYSTEM INSTALLATION

9.1 Each tank shall have a cathodic protection monitoring station (PP4<sup>®</sup>, PP2<sup>®</sup>, PP1<sup>®</sup>, or other) installed in such a way so that there will be at least a tank structure lead easily accessible and identifiable at the finish grade and provide easy placement of a reference electrode during monitoring.

9.2 If your tank is equipped with a Protection Prover 4 (PP4<sup>®</sup>), remove the unit from the shipping carton and inspect for damage. (See the separate manufacturers' installation instructions for specific details.)

9.3 Prior to installation of the PP4<sup>®</sup>, remove the plastic bag from the reference cell element. After the tanks have been placed in the excavation, position the reference cell element midway from front to back between two tanks so that it is covered by 6 inches (152mm) of moist bedding material.

9.4 Drape the flexible pipe up to the top of the tank and temporarily secure the pipe to prevent damage during backfill operations. Backfill the excavation until the tanks are almost covered.

9.5 Locate the PP4<sup>®</sup> test head in its approximate final position and support with a wooden stake or other similar device. Connect the appropriate tank test wire from the reference cell element to the black test lead already installed on the tank using the hardware supplied or by performing a field splice.

9.6 Assure that the wire connection is strong by simultaneously placing tension on the wire at either side of the connection point. Protect the wire connection from corrosion using the material supplied with the PP4<sup>®</sup>, or by wrapping the connection in half lapped layers of rubber and PVC electrical tape.

9.7 The test head shall be placed in a small grade manhole to protect it from vehicular traffic or set directly in the concrete covering for the excavation. During pouring of the in-grade slab protect the metal contact points on the test head from being covered by concrete.

9.8 If your tank is equipped with a Protection Prover 2<sup>®</sup> (PP2<sup>®</sup>), prior to completion of the backfill, the monitoring terminal located near the top of the tank must be positioned as follows:

9.8.1 Select a terminal location on a pipe near grade that will be accessible through a grade manhole upon completion of installation.

9.8.2 Loosen the black nylon pipe lashing by releasing the locking tab. Uncoil enough lead wire from the tank mounting lug to reach the terminal location with an additional 4 feet (1.2 m) of slack.

9.8.3 Secure the PP2<sup>®</sup> terminal to the pipe by tightening the black nylon pipe lashing. The lead wire terminations shall remain sealed.

9.8.4 Route wire to avoid strain or breakage during backfill. Do not cover PP2<sup>®</sup> terminal with backfill material.

9.9 If the tank is equipped with a Protection Prover 1 (PP1<sup>®</sup>) monitoring system, which includes a monitoring test station mounted at the end of the tank, prior to any backfilling, extend the monitoring system to 4 inches (102 mm) below grade level without pulling it out of the mounting brackets. The PP1<sup>®</sup> test station shall be protected by a grade manhole of 7 1/2 inches (191 mm) minimum diameter.

## ELECTRICAL CONTINUITY TEST

10.1 Contact between the steel tank and all other structures such as external and internal piping, pumps, valves, gauge and monitoring equipment, and grounding system, will verify the cathodic protection design. Prior to backfill, a simple continuity test between the tank lead wire and each connected system will verify the electrical isolation. Continuity shall not be present. After backfill, continuity can be checked with a high impedance voltmeter by fixing a copper/copper sulfate reference cell in the soil and contacting all structures with the other voltmeter lead wire. Do not move the reference cell. Potential differences between the tank to soil and all other structures to soil must exceed 10 millivolts to verify electrical isolation.

## FINAL BACKFILL

11.1 Homogeneous backfill shall be deposited carefully around the tank and to a depth of at least one foot (305mm) over the tank. (See NFPA 30 and state or local codes for minimum depth of cover required).

## POST-INSTALLATION CATHODIC PROTECTION MONITORING

12.1 All tanks must be monitored to assure proper installation and ensuing cathodic protection of the tank. Before pouring concrete or asphalt pad atop tank, a tank to soil potential reading with a high impedance voltmeter and copper/copper sulfate reference electrode must be taken. Reference electrode shall be placed in moist soil directly above the tank. A minimum reading of -850 millivolts should be obtained to indicate that the tank anodes are activated. Record reading on installer information card and other permanent files.

12.2 If the tank is connected to a PP4<sup>®</sup> test station the cathodic protection can be easily verified using a high impedance digital volt-meter. Touch the meter probes to the appropriate test head terminals as shown in the diagram above. As stated in 12.1, a minimum reading of -850 millivolts should be obtained.

## OPERATING LIMITATIONS

13.0 Operation of the tank above 120°F (49°C) requires the use of specific components and materials. The tank manufacturer must be notified, prior to tank use, of the owner's intent to operate this tank above 120°F (49°C) so that proper components and materials can be incorporated.

13.1 When the product stored is heated, the temperature inside the tank shall be constantly monitored to assure the maximum allowable temperature is not exceeded.

## MAINTENANCE

14.1 The primary tank shall be inspected monthly for the presence of water. Inspection shall take place at the lowest possible point inside the primary tank. Remove any water found. Water and sediment in fuel can cause plugging of filters. Also, bacterial growth, originating from the fuel, can cause filters to plug and corrosion of tanks and lines. For procedures on how to check for the presence of water and removal of water, refer to API Recommended Practice 1621, Appendix D and API Standard 2010. Another source of information is a report by the US Department of Energy, Brookhaven National Laboratory BNL 48406, which provides information on methods to test for and remove water, test for bacterial presence in fuel, tank cleaning and fuel additives.

14.2 sti-P<sub>3</sub> tanks shall be tested for cathodic protection at installation in 3 year intervals for the life of the installation and after any activity that might affect the CP system. sti-P<sub>3</sub> tanks which might otherwise be classified as ACT-100<sup>®</sup> composite tanks, due to factory attachment of anodes, do not require testing every third year. In addition, double-wall sti-P<sub>3</sub> systems that use interstitial monitoring that is capable of detecting a breach of either tank wall, do not require testing every third year. (See EPA UST Technical Compendium for complete details [www.epa.gov/swerust1/compendium/18th.pdf](http://www.epa.gov/swerust1/compendium/18th.pdf)). Follow applicable local, state, and federal regulations for any additional requirements. Reference NACE RP-0285 for more specifics on protection criteria.

14.3 Tank must be installed within one year of delivery from tank manufacturer. If tank is not installed within this time period, contact tank manufacturer to reconfirm the tank.

These instructions are intended only as an aid to tank installers who are knowledgeable and experienced in underground tank installation. Compliance herewith does not necessarily meet the requirements of applicable federal, state and local laws, regulations and ordinances concerning tank installation. STI makes no warranties, express or implied, including but not limited to, any implied warranties of merchantability or fitness for a particular purpose, as a result of these installation instructions.

This information furnishes as a service of a Steel Tank Institute member  
© Copyright Steel Tank Institute. All rights reserved for exclusive use of sti-P<sub>3</sub> licensees.



# UNDERGROUND PETROLEUM BULK STORAGE TANK REPLACEMENT PLANS

Prepared For  
KENSICO PROPERTIES, INC.  
275 KISCO AVENUE  
MT. KISCO, NEW YORK 10549-1006

## UNDERGROUND PETROLEUM BULK STORAGE TANK REPLACEMENT

LOCATED AT: 275 KISCO AVENUE  
MOUNT KISCO, NEW YORK 10549-1006  
WC DEPT OF HEALTH PBS NO. 3-437573

WESTCHESTER COUNTY, NY  
VILLAGE OF MT. KISCO  
SECTION 60.49; BLOCK 3; LOT 1

Prepared: October 16, 2004

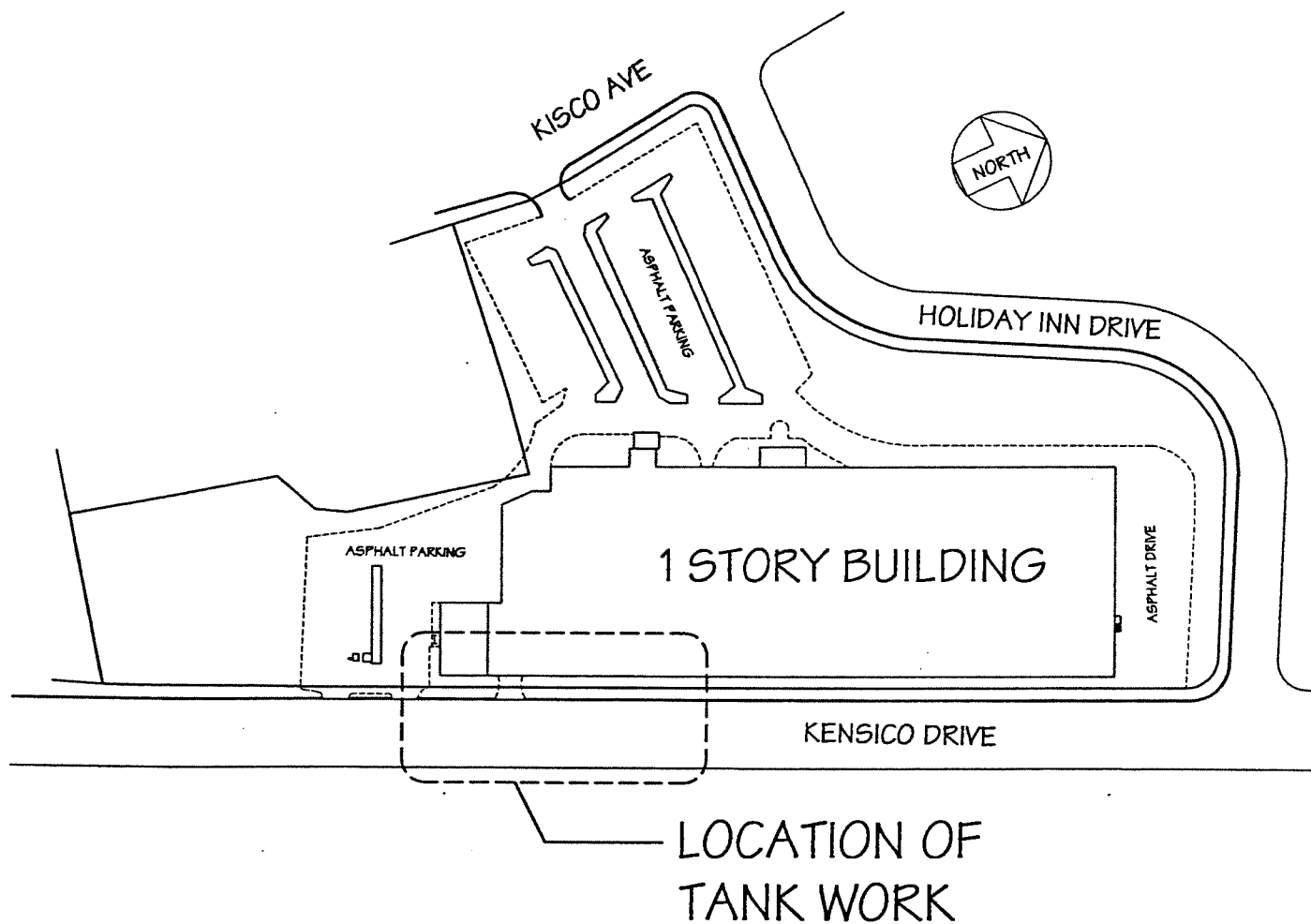


### AS-BUILT PLAN 11-5-04

FOR REPRESENTED LLER REAL ESTATE ED PROJECT ONLY.  IN A RETRIEVAL RECORDING OR TEN PERMISSION AL ENGINEER.	Richard E. Miller, PE Licensed Professional Engineer MRES Engineering 5 Wyeth Court, Pleasantville, NY 10570 Tel: (914) 747-3800 Fax: (914) 747-0594 Email: MRES ENGINEERS@AOL.COM	Kensico Properties, Inc. 275 Kisco Avenue, Mt. Kisco, NY 10549			
	SITE PLAN & TITLE SHEET				
	Drawn By: DWN	SIZE B	Project No. 2004-1020	SECTION / BLOCK / LOT / WCDOH PBS# 60.49 / 3 / 1 / 3-437573	REV 0
Checked By: REM	Scale N.T.S.	Date October 16, 2004	Sheet	1 OF 4	

WRITTEN DIMENSIONS ON ALL DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSION. CONTRACTOR SHALL VERIFY & BE RESPONSIBLE FOR ALL DIMENSIONS & CONDITIONS ON THE JOB. THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

**LEGAL NOTICE:** ALTERATIONS BY ANY PERSON, IN ANY WAY, OF ANY ITEM CONTAINED ON THIS DOCUMENT, UNLESS ACTING UNDER THE EXPRESS DIRECTION OF THE LICENSED ENGINEER WHOSE PROFESSIONAL SEAL IS AFFIXED HERETO, IS A VIOLATION OF TITLE VII, SECTION 69.5 (b) OF NEW YORK STATE EXECUTIVE LAW.



### KEY PLAN (SITE PLAN)

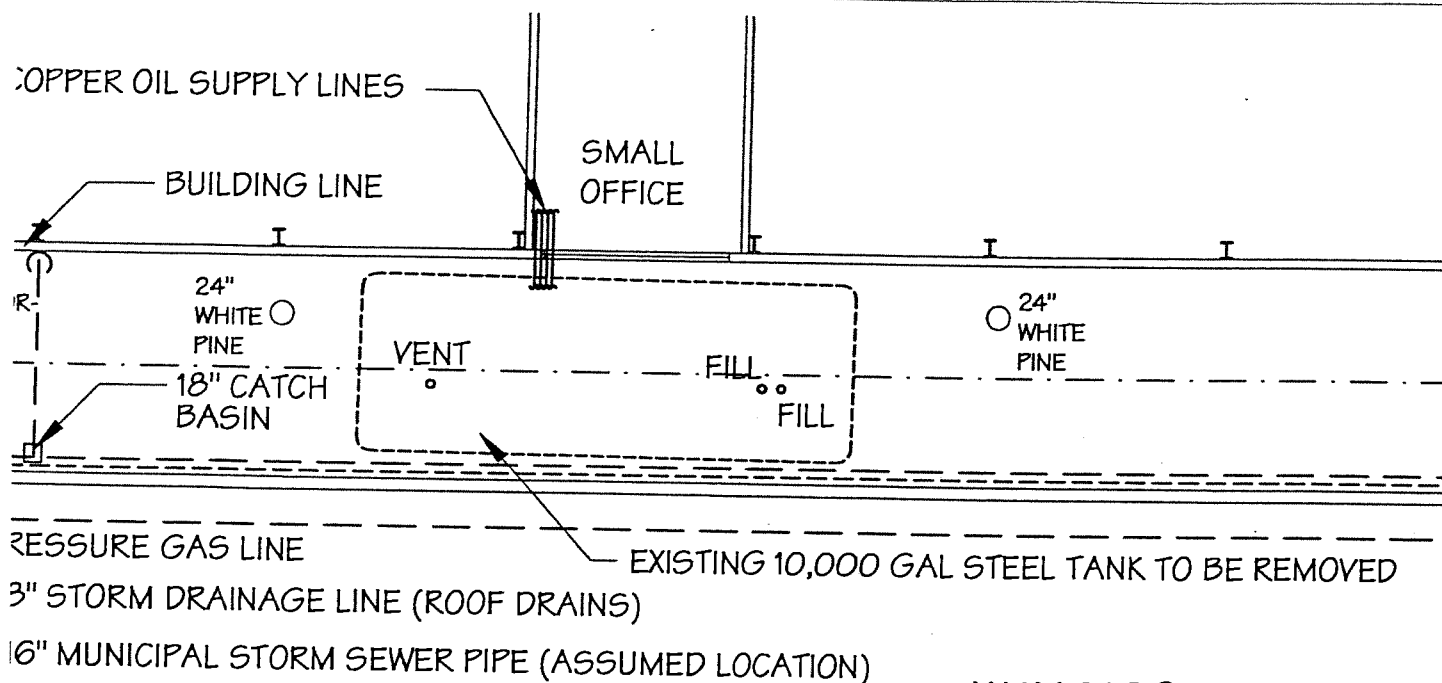
NOT TO SCALE

© Copyright 2004 Richard E. Miller, PE • MRES ENGINEERING

All rights reserved.

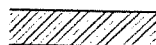
**NOTE:** ALL IDEAS, DESIGNS, ARRANGEMENTS, DETAILS, SPECIFICATIONS AND INFORMATION CONTAINED INDIC BY THIS SET OF DRAWINGS (4 SHEETS) ARE OWNED BY AND ARE THE PROPERTY OF RICHARD E. MILLER, PE DBA MILLER REAL ESTATE SERVICES, AND WERE CREATED, EVOLVED AND DEVELOPED FOR USE ON, AND IN CONNECTION WITH, THE SPI

NONE OF SUCH IDEAS, DESIGNS, ARRANGEMENTS, DETAILS OR SPECIFICATIONS SHALL BE REPRODUCED, STORED IN A RETRIEVABLE SYSTEM OR TRANSMITTED IN ANY FORM, OR BY ANY MEANS, ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING, OR OTHERWISE USED BY ANY PERSON OR DISCLOSED FOR ANY PURPOSE WHATSOEVER WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE COPYRIGHT OWNER: RICHARD E. MILLER, PE DBA MILLER REAL ESTATE SERVICES, LICENSED PROFESSIONAL ENGINEER



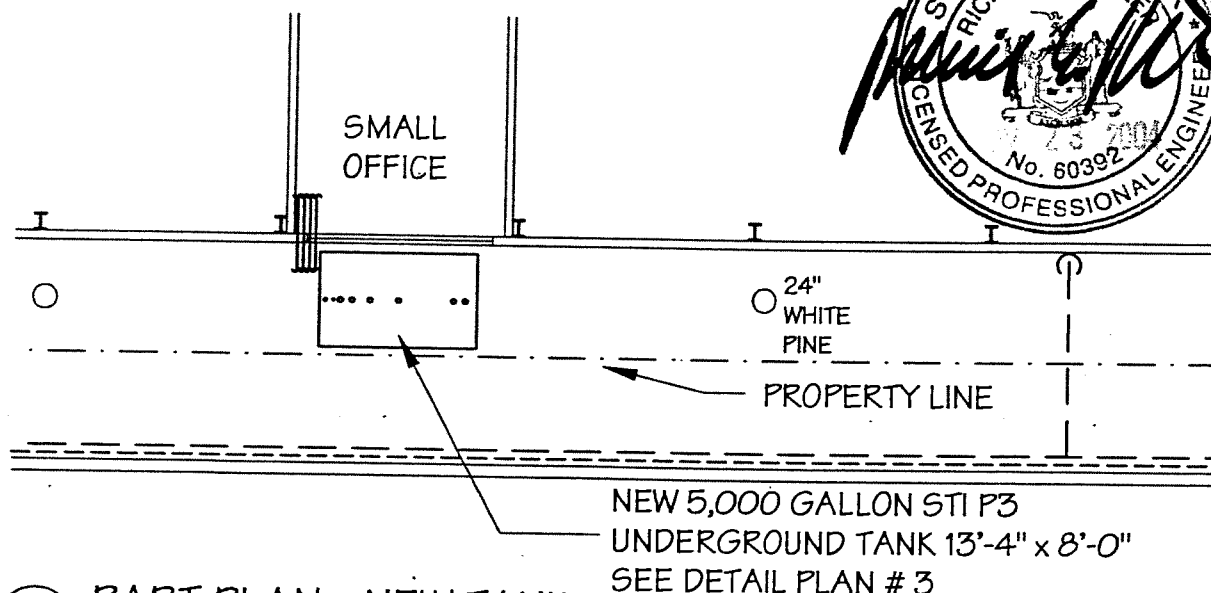
KENSICO DRIVE

TYPICAL  
NOTING



RCS  
G THE

TION

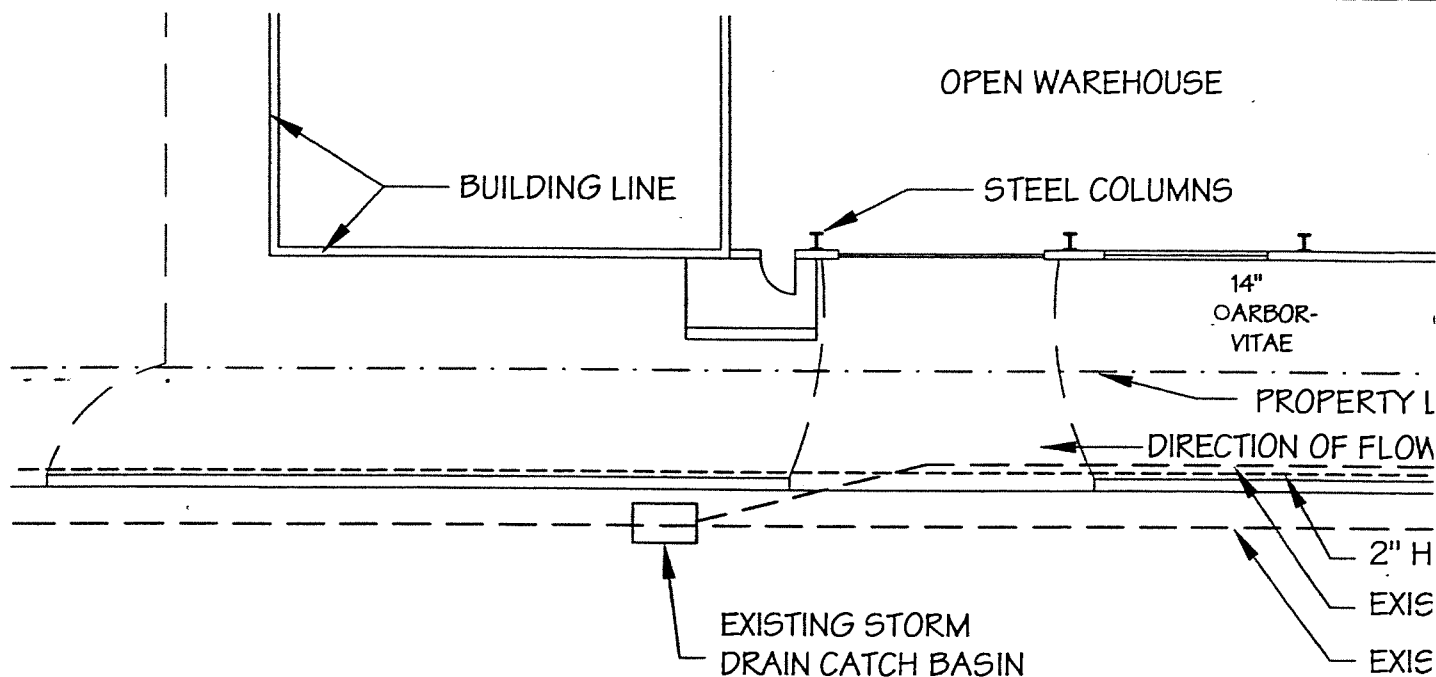


**2** PART PLAN - NEW TANK  
SCALE: 1/16"=1'-0"

KENSICO DRIVE

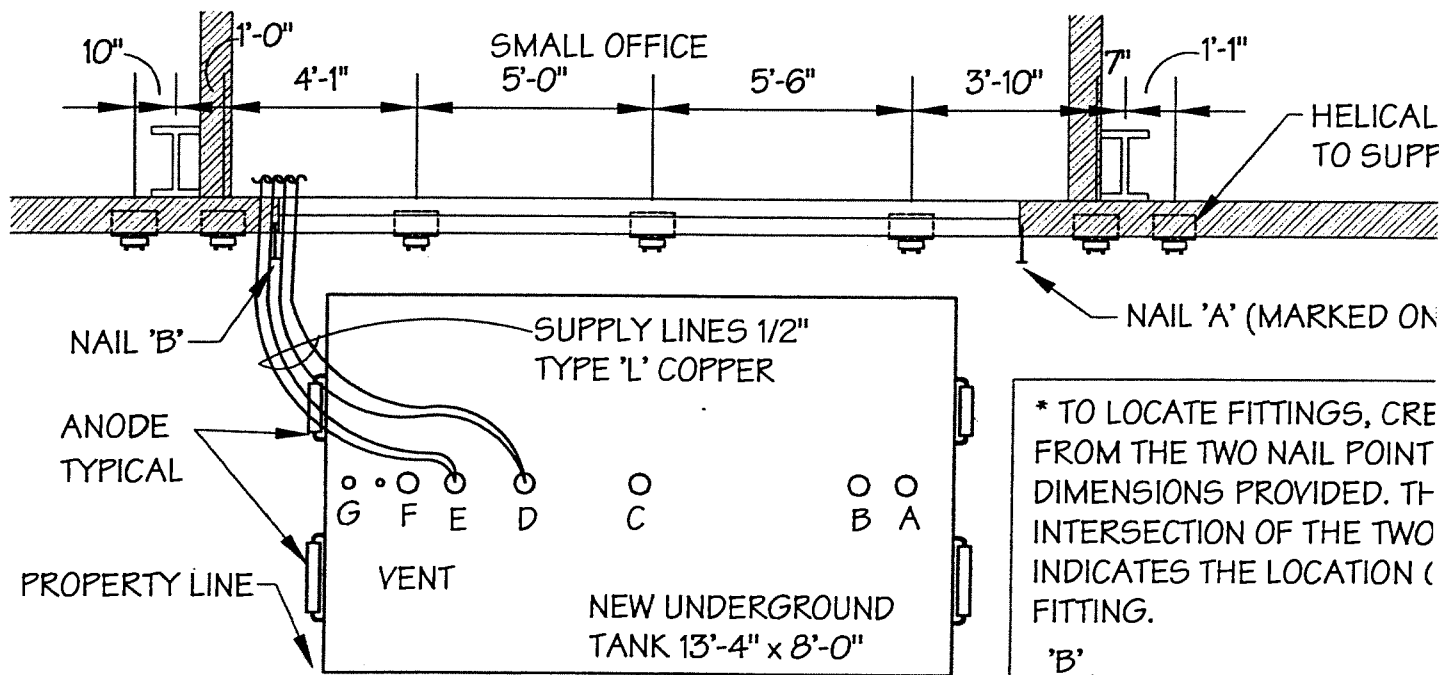
<div>Richard E. Miller, PE Licensed Professional Engineer MRES Engineering 5 Wyeth Court, Pleasantville, NY 10570 Tel: (914) 747-3800 Fax: (914) 747-0594 Email: MRES_ENGINEERS@AOL.COM</div>	<div>Kensico Properties, Inc. 275 Kisco Avenue, Mt. Kisco, NY 10549</div>			
	<div>TANK LOCATION PLAN</div>			
Drawn By: DWN	SIZE B	Project No. 2004-1020	SECTION / BLOCK / LOT / WCDON PBS# 60.49 / 3 / 1 / 3-437573	REV 0
Checked By: REM	Scale N.T.S.	Date October 16, 2004	Sheet 2 OF 4	





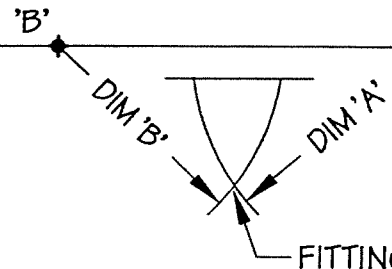
### 1 PART PLAN - EXIST. TANK REMOVAL

SCALE: 1/16"=1'-0"



A FILL	NAIL 'B'	NAIL 'A'
B PLUG	254"	83"
C PLUG	242"	78"
D SUPPLY	225"	74"
E SUPPLY	192"	78"
F VENT	128"	123"
G INTERSTITIAL	71"	219"

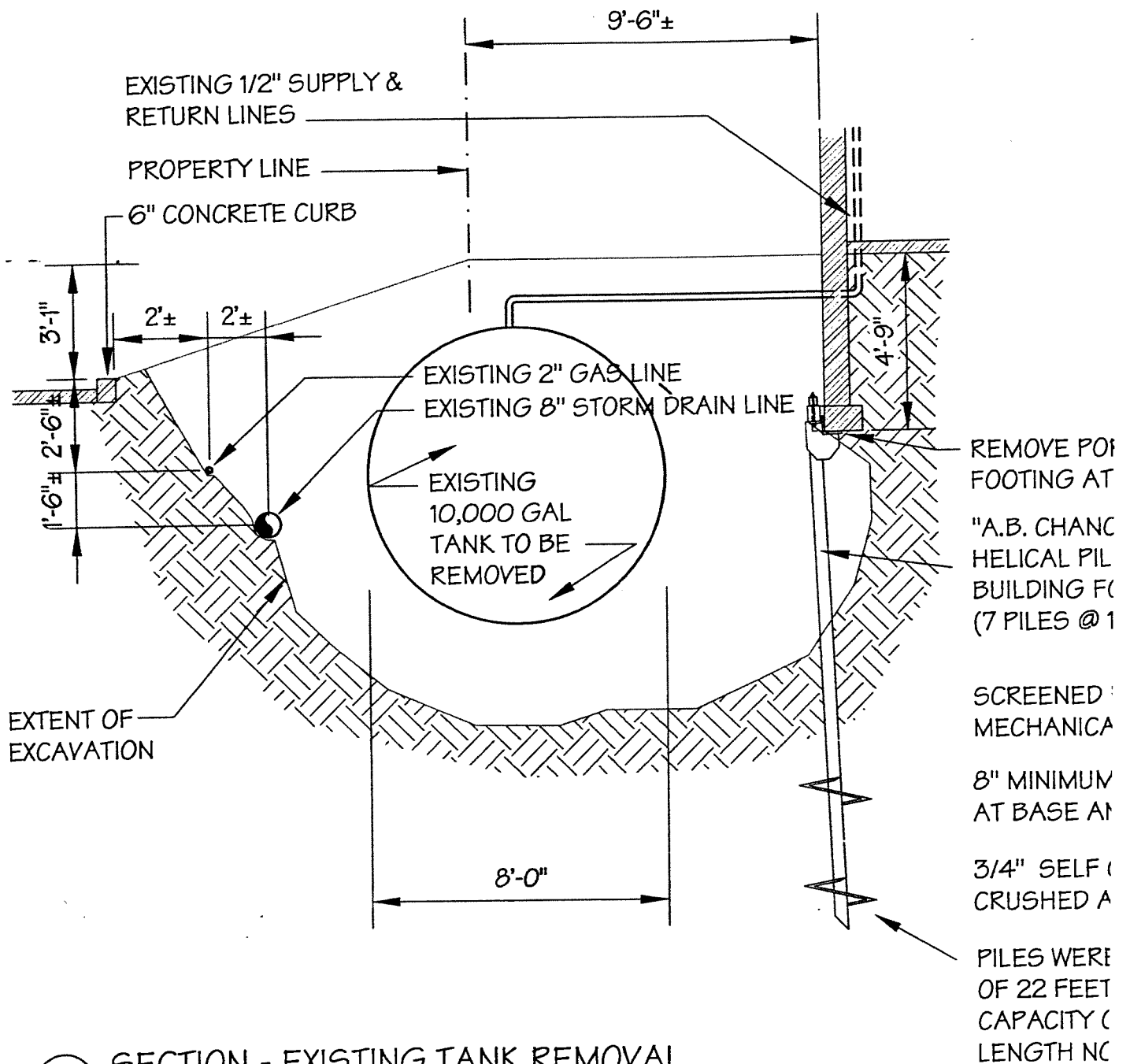
\* TO LOCATE FITTINGS, CRE FROM THE TWO NAIL POINT DIMENSIONS PROVIDED. TH INTERSECTION OF THE TWO INDICATES THE LOCATION ( FITTING.



### 3 DETAIL PLAN - NEW TANK

SCALE: 1/4"=1'-0"





#### 4 SECTION - EXISTING TANK REMOVAL

SCALE: 1/4"=1'-0"



# FITTING SCHEDULE

'A' - 5"Ø NPT WITH 5"x4" NYLON BUSHING

'B' - 3"Ø NPT WITH 3"x2" NYLON BUSHING  
(FITTING FOR LEAK DETECTION WITH INTERNAL PIPE)

— CAP

— FILL LINE CAP

FILL LINE

APPROX FINISHED GRADE

1'-10"

1'-10"

SAND  
FILL

96" Ø

SEE FITTING  
SCHEDULE ABOVE.

ZINC ANODES  
REQ. PER  
S.T.I.P.3 SPECS

7

NEW TANK END VIEW

SCALE: 1/2"=1'-0"



5 MILS  
3 PECS  
P

Richard E. Miller, PE

Licensed Professional Engineer

MRES Engineering

5 Wyeth Court, Pleasantville, NY 10570

Tel: (914) 747-3800

Fax: (914) 747-0594

Email: MRES\_ENGINEERS@AOL.COM

Kensico Properties, Inc.

275 Kisco Avenue, Mt. Kisco, NY 10549

## TANK ELEVATION & END VIEW

Drawn By: DWN

SIZE  
B

Project No.  
2004-1020

SECTION / BLOCK / LOT / WCDOH PBS#  
60.49 / 3 / 1 / 3-437573

REV  
0

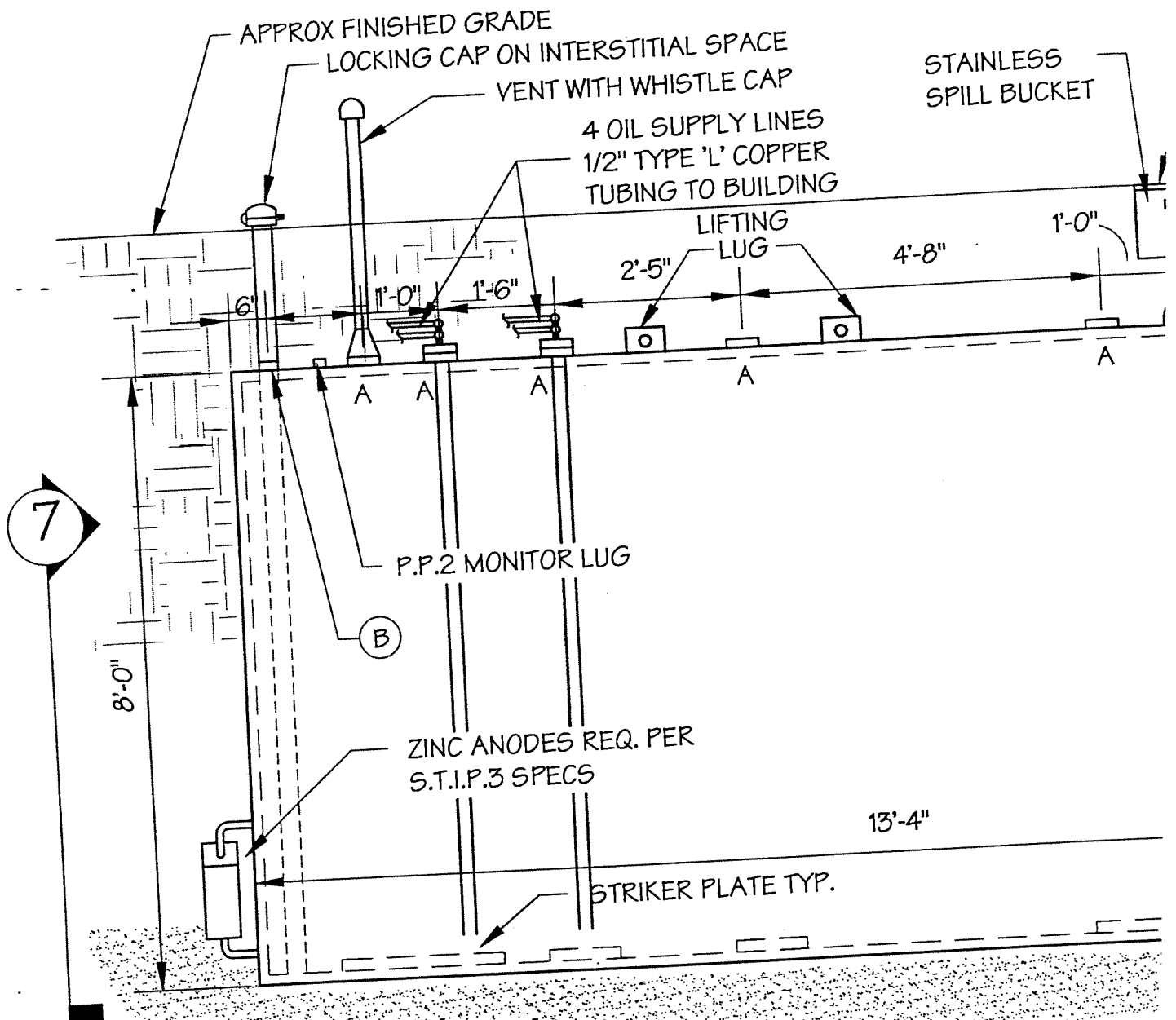
Checked By: REM

Scale N.T.S.

Date October 16, 2004

Sheet

4 OF 4



**⑥ NEW TANK ELEVATION DETAIL**  
SCALE: 1/2"=1'-0"

### NEW TANK NOTES:

CAPACITY: 5,000 GALLONS  
TYPE: 1-360 DOUBLE WALL, S.T.I.P. 3, UNDERGROUND  
MATERIAL: MILD CARBON STEEL  
TEST PRESSURE: 5 P.S.I.  
MIN. GAUGE OR THICKNESS (PER U.L. 58):  
(BASED ON 60" MAX BURIAL DEPTH)

INNERHEADS: 1/4", OUTERHEADS: 1/2"  
INNER SHELL: 7 GA, OUTER SHELL: 1/2"  
PAINT: INTERIOR: NONE  
PAINT: EXTERIOR: SP-6 BLAST, COAT OF CORROCOTE PLUS PER U.L. 58  
CONSTRUCTION: FLAT FLANGED HEAD  
WELD ALL EXTERIOR SEAM  
APPROVED LABELS: U.L. 58, S.T.I.P. 3



RELEASE

FOR THE CONSIDERATION OF FORTY THREE THOUSAND SIX HUNDRED SEVENTEEN DOLLARS AND TWO CENTS (\$43,617.02) lawful money of the United States, paid to the State of New York (the "State") by KENSICO PROPERTIES, LLC and JACK SCHNAPP, and upon receipt and collection thereof, the State of New York, acting by and through its Attorney General by JUDITH S. KARPEN, Assistant Attorney General, does hereby release, acquit and forever discharge KENSICO PROPERTIES, LLC and JACK SCHNAPP from any liability to the State of New York for all cleanup and removal costs expended by the New York Environmental Protection and Spill Compensation Fund, and all interest accrued thereon and any penalties pursuant to New York Navigation Law §192, relating to the discharge of petroleum product at and in the vicinity of 275 Kisco Avenue, Town of Mount Kisco, County of Westchester, State of New York (the "Spill Site"); which discharge was initially reported to the State of New York on or about March 3, 2002, and administratively designated by the State of New York as Spill Number 01-11676 and PIN 02286.

This release is executed without prejudice to the State's right to pursue any legal or equitable rights, claims, actions, proceedings, suits, causes of action, liabilities or demands which the State may have with respect to any cleanup and removal costs expended by the State to remediate the Spill Site after September 3, 2002.

**DATED:** December 22, 2003  
Albany, New York

ELIOT SPITZER  
Attorney General of the State of New York  
Attorney for Plaintiff

By: \_\_\_\_\_

JUDITH S. KARPEN  
Assistant Attorney General  
State of New York  
Office of the Attorney General  
The Capitol  
Albany, New York 12224  
(518) 486-4523



STATE OF NEW YORK  
OFFICE OF THE ATTORNEY GENERAL

ELIOT SPITZER  
Attorney General

Telephone (518) 486-4523

STATE COUNSEL DIVISION  
CIVIL RECOVERIES BUREAU

December 22, 2003

Michael J. Case, Esq.  
WILSON, ELSER, MOSKOWITZ, EDELMAN & DICKER, LLP  
3 Gannett Drive  
White Plains, NY 10604

**Re: Spill Number 01-11676  
Kensico Properties, LLC  
Your File Number 07886.0000**

Dear Mr. Case:

As per your request, please be advised that at this time, the State does not anticipate further remediation at the captioned site. Absent any unforeseen circumstances, the above-referenced spill remediation project is deemed to be completed and closed.

Very truly yours,

AMY A. MOORE  
Legal Assistant

AAM/

**RELEASE OF ENVIRONMENTAL LIEN**  
(PURSUANT TO SECTION 181-c[2] OF THE NAVIGATION LAW)

To the Clerk of Westchester County, New York and to all others whom it may concern:

WHEREAS the New York Environmental Protection and Spill Compensation Fund ("Fund") filed an environmental lien in the amount of \$43,316.02 against the real property described herein relating to cleanup and removal costs incurred by the Fund in connection with a discharge upon such real property (Spill No.01-11679, PIN 02286); and

WHEREAS said environmental lien against the real property described herein was filed with the Office of the Westchester County Clerk on July 24, 2003; and

WHEREAS Kensico Properties LLC is the record owner of the real property described herein on which said environmental lien has attached; and

WHEREAS the real property subject to the lien is situated in the City of Mount Kisco, County of Westchester, State of New York, and is designated and known as follows:

Tax Map ID:	69.49-3-1
a/k/a	265-281 Kisco Avenue
	Mount Kisco, NY 10549

NOW, THEREFORE, for the consideration of FORTY THREE THOUSAND THREE HUNDRED SIXTEEN DOLLARS AND TWO CENTS (\$43,316.02), lawful money of the United States, paid to the State of New York, the New York Environmental Protection and Spill Compensation Fund does hereby release the real property described herein from said environmental lien.

Dated: Albany, New York  
December 19 2003

NEW YORK ENVIRONMENTAL PROTECTION AND SPILL COMPENSATION FUND

Michael J. Case, Esq.

PROPERTIES

RELEASE OF ENVIRONMENTAL LIEN

WILSON, ELSER, MOSKOWITZ, EDELMAN & DICKER LLP

Attorneys For KENSICO PROPERTIES LLC

*Office & Post Office Address, Telephone*  
3 GANNETT DRIVE  
WHITE PLAINS, NEW YORK 10604  
(914) 323-7000