

# May 15, 2008 Public Meeting Liberty Industrial Finishing Superfund Site Farmingdale, New York

## AGENDA

- I. Welcome and Introduction  
Cecilia Echols  
Community Involvement Coordinator  
Public Outreach Branch
  
- II. Ongoing EPA's and NYSDEC's Investigations
  - 1. Vapor Intrusion (EPA)
  - 2. Plume B Groundwater (NYSDEC)Lorenzo Thantu, Project Manager  
Eastern New York Remediation Section

# May 15, 2008 Public Meeting

## Liberty Industrial Finishing Superfund Site

### Farmingdale, New York (Continued)

- III. Implementation of Long-Term Comprehensive Remedial Actions (Selected in Record of Decision)  
Lorenzo Thantu
  
- IV. Status of Remedial Action Activities  
Lorenzo Thantu
  
- V. Pond A Sediments Remedial Action – Schedule and Logistics (Subject of Tonight’s Meeting)  
Lorenzo Thantu

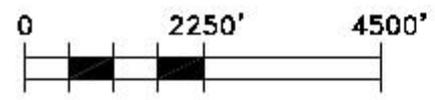
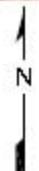
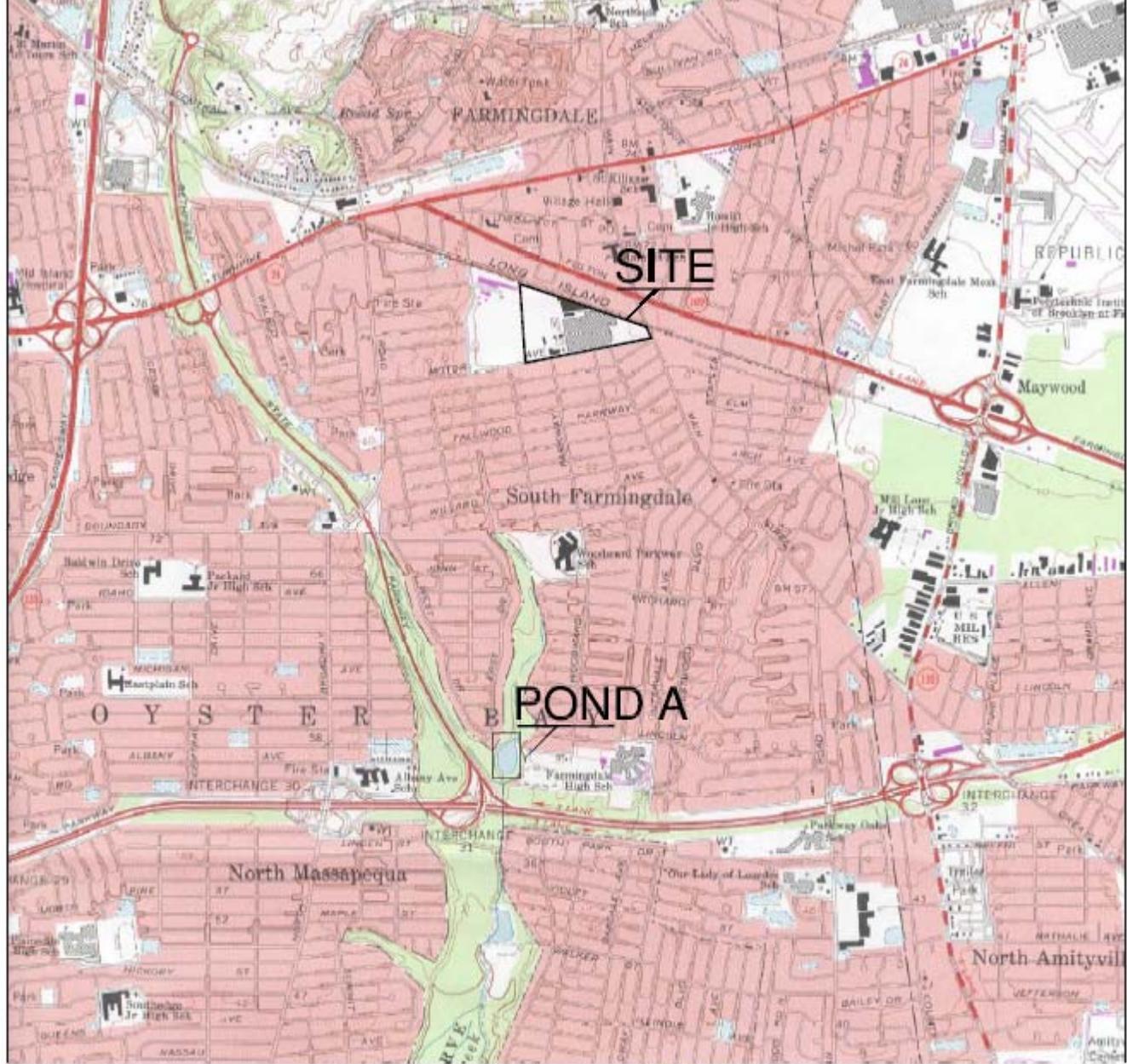
# May 15, 2008 Public Meeting Liberty Industrial Finishing Superfund Site Farmingdale, New York (Continued)

VI. Questions & Answers  
Angela Carpenter, Chief  
Eastern New York Remediation Section

VII. Closing

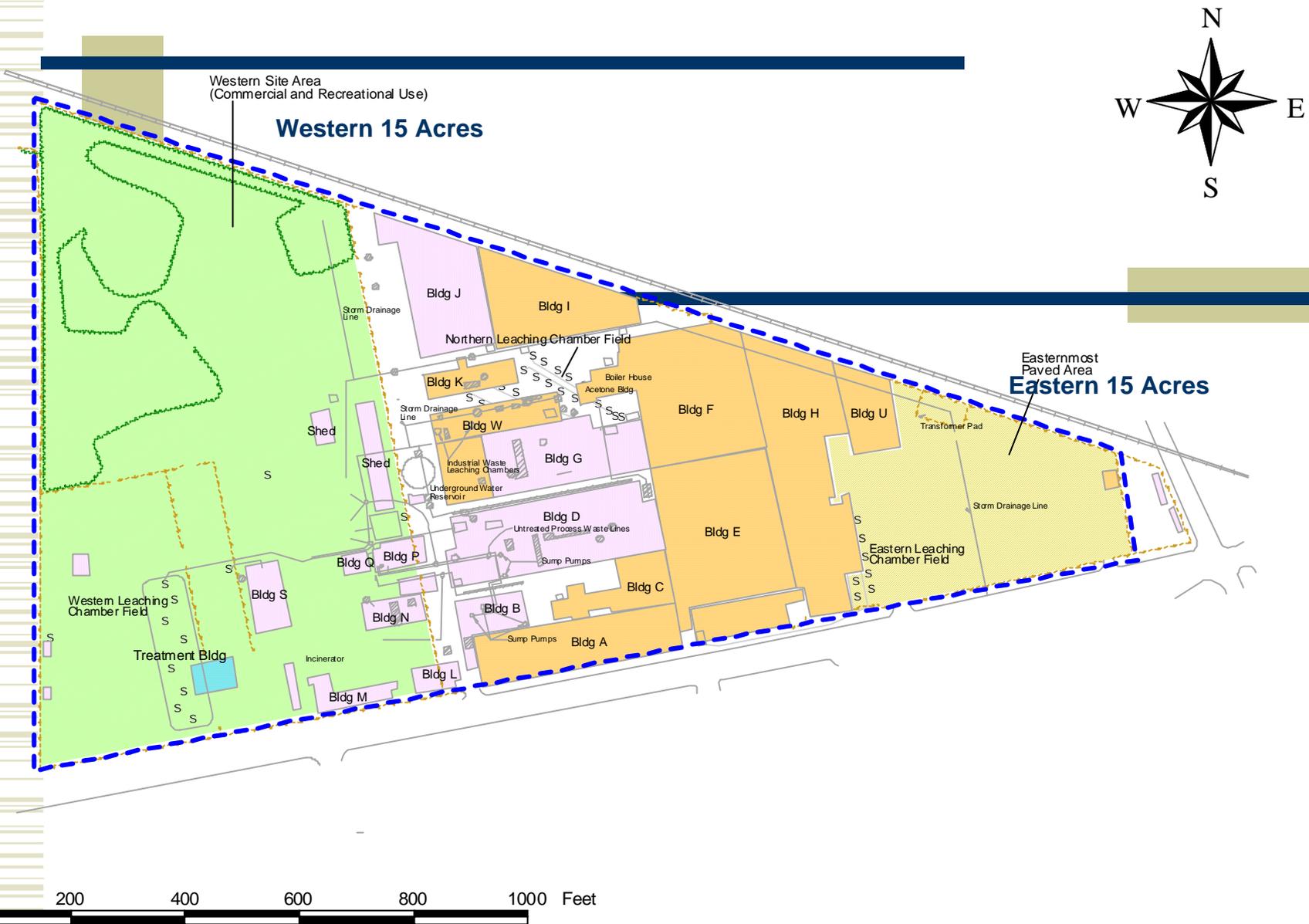
Other EPA Representative  
Michael Sivak, EPA Risk Assessor

PRP Group's Representative  
Andrew Murphy, Ecology and Environment Engineering, P.C.



**LIBERTY**

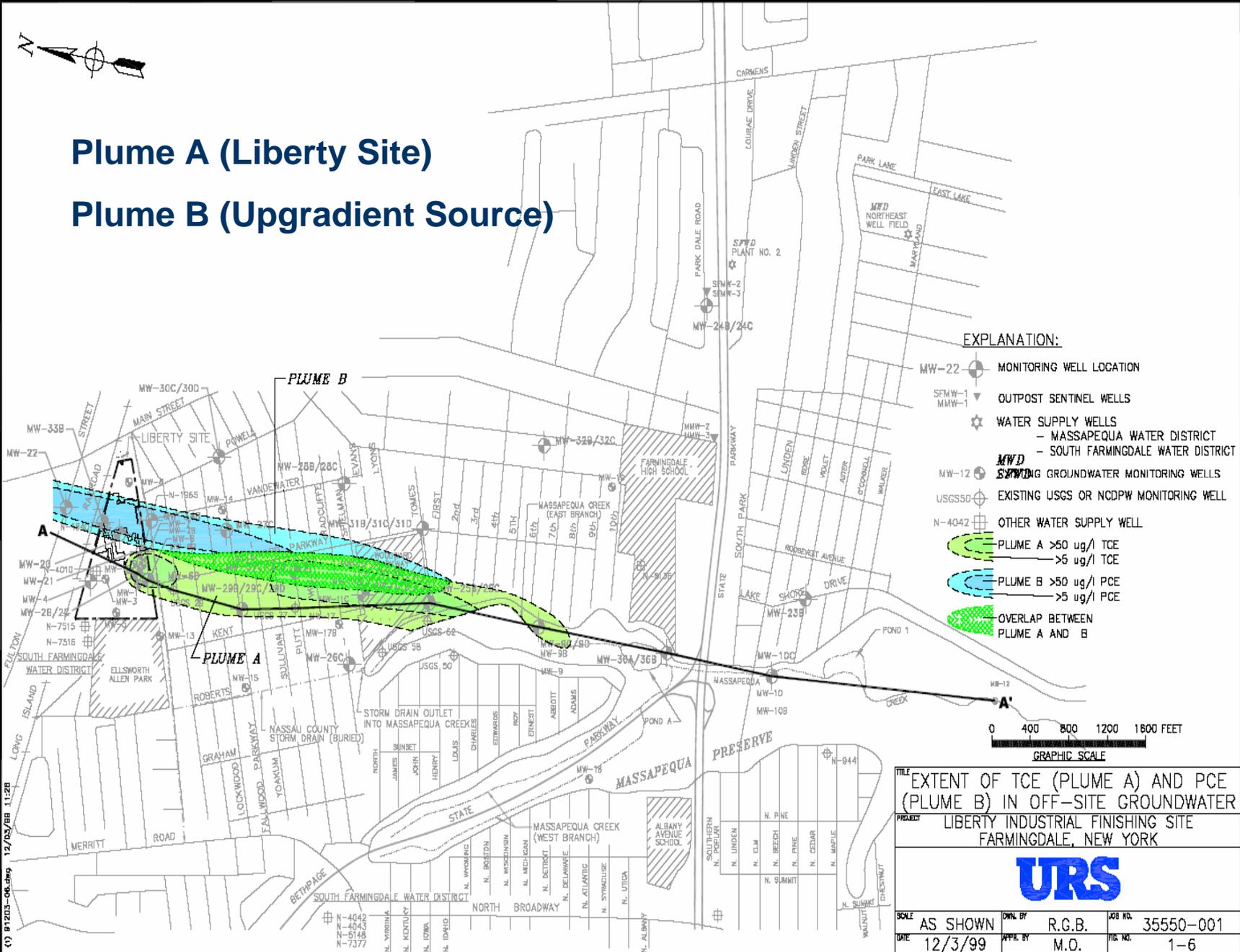
**LOCATION MAP**  
**LIBERTY INDUSTRIAL FINISHING SITE**  
**FARMINGDALE, NEW YORK**



**FIGURE 2 - Liberty Industrial Finishing Site Plan**

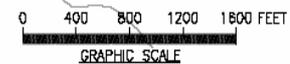


# Plume A (Liberty Site) Plume B (Upgradient Source)



**EXPLANATION:**

- MW-22 ● MONITORING WELL LOCATION
- SFMW-1 ▼ OUTPOST SENTINEL WELLS
- MMW-1 ☆ WATER SUPPLY WELLS  
- MASSAPEQUA WATER DISTRICT  
- SOUTH FARMINGDALE WATER DISTRICT
- MW-12 ● MWD  
SFMW MONITORING GROUNDWATER MONITORING WELLS
- USGSS-50 ○ EXISTING USGS OR NCDPW MONITORING WELL
- N-4042 □ OTHER WATER SUPPLY WELL
- PLUME A >50 ug/l TCE  
>5 ug/l PCE
- PLUME B >50 ug/l PCE  
>5 ug/l PCE
- OVERLAP BETWEEN  
PLUME A AND B



**TITLE** EXTENT OF TCE (PLUME A) AND PCE (PLUME B) IN OFF-SITE GROUNDWATER  
**PROJECT** LIBERTY INDUSTRIAL FINISHING SITE FARMINGDALE, NEW YORK



<b>SCALE</b> AS SHOWN	<b>DWN. BY</b> R.G.B.	<b>JOB NO.</b> 35550-001
<b>DATE</b> 12/3/99	<b>APP. BY</b> M.O.	<b>FIG. NO.</b> 1-6

# Ongoing Investigation - Soil Vapor Intrusion (by EPA)

- ◆ February - April 2006: 15 homes and Woodward Parkway Elementary School Sampled for Sub-Slab Air. Based on the Sub-Slab Air Sampling Results, 2 Homes and Elementary School Sampled for Sub-Slab and Indoor Air.
- ◆ February 2008: 6 Homes, a Commercial Establishment, and Elementary School Sampled for Sub-slab and Indoor Air.



## Ongoing Investigation – Plume B (Non-Site-Related Groundwater Contaminant Plume)

- ◆ Aug. 2000 - EPA-Funded Investigation Initiated to Locate Source of Contamination
- ◆ Dec. 2002 - Farmingdale Plaza Cleaners Site listed on the NYSDEC Registry of Inactive Hazardous Waste Disposal Sites
- ◆ Dec. 2004 – EPA Interim Plume B Investigation Report Completed
- ◆ Jan. 2005 - NYSDEC Approval of Its Internal State Superfund Referral to Use State Funds to Conduct RI/FS at the Farmingdale Dry Cleaning Facility Located at the Waldbaum Shopping Plaza

# Ongoing Investigation – Plume B (Non-Site-Related Groundwater Contaminant Plume) (Continued)

- ◆ August 2007 - NYSDEC Plume B Source RI Field Activities Completed
- ◆ December 2008 – NYSDEC Presently Securing Contractor(s) to Install by this Date Soil Vapor Extraction and/or Sub-slab Depressurization Treatment at Shopping Plaza and its Vicinity
- ◆ December 2008 – NYSDEC’s Off-Site Plume B Groundwater Investigation Ongoing and Projected for Completion by this Date



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## **Long-Term Comprehensive Remedy (Selected in March 2002 Record of Decision)**

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- **SOILS** - Excavation and Off-Site Disposal of Approximately 73,100 Cubic Yards of Contaminated Soils that Exceed Groundwater Protection Cleanup Levels
- **SUBSURFACE FEATURES** - Removal of Contaminated Aqueous and/or Solid Materials from Underground Storage Tanks and Other Subsurface Features
- **GROUNDWATER** - Remediation of On-Site and Off-Site Contaminated Groundwater
- **SEDIMENTS** - Excavation and Off-Site Disposal of Approximately 2,600 Cubic Yards of Contaminated Sediments that Exceed Sediment Cleanup Levels Within Pond A of the Massapequa Preserve

# Status of Soils and Subsurface Features Remedial Action

- ◆ Soils Remediation
  - 68,000 Tons of Contaminated Soils (48,000 tons Non-Hazardous and 20,000 Tons Hazardous) – Have Been Excavated and Transported to Off-Site Disposal

# Status of Soils and Subsurface Features Remedial Action (Continued)

- ◆ Subsurface Features Remediation
  - 100 Subsurface Features, Including 60 Previously- Unidentified and Not Known, Have Been Fully Remediated
  - 4,500 Tons of Concrete & Debris - Removed from Site as Part of Remedial Action
  - 13 Underground Storage Tanks (USTs) - Removed from Site
  - 8,500 Gallons of Oil from 13 USTs – Removed for Off-Site Disposal

# Status of Soils and Subsurface Features Remedial Action (Continued)

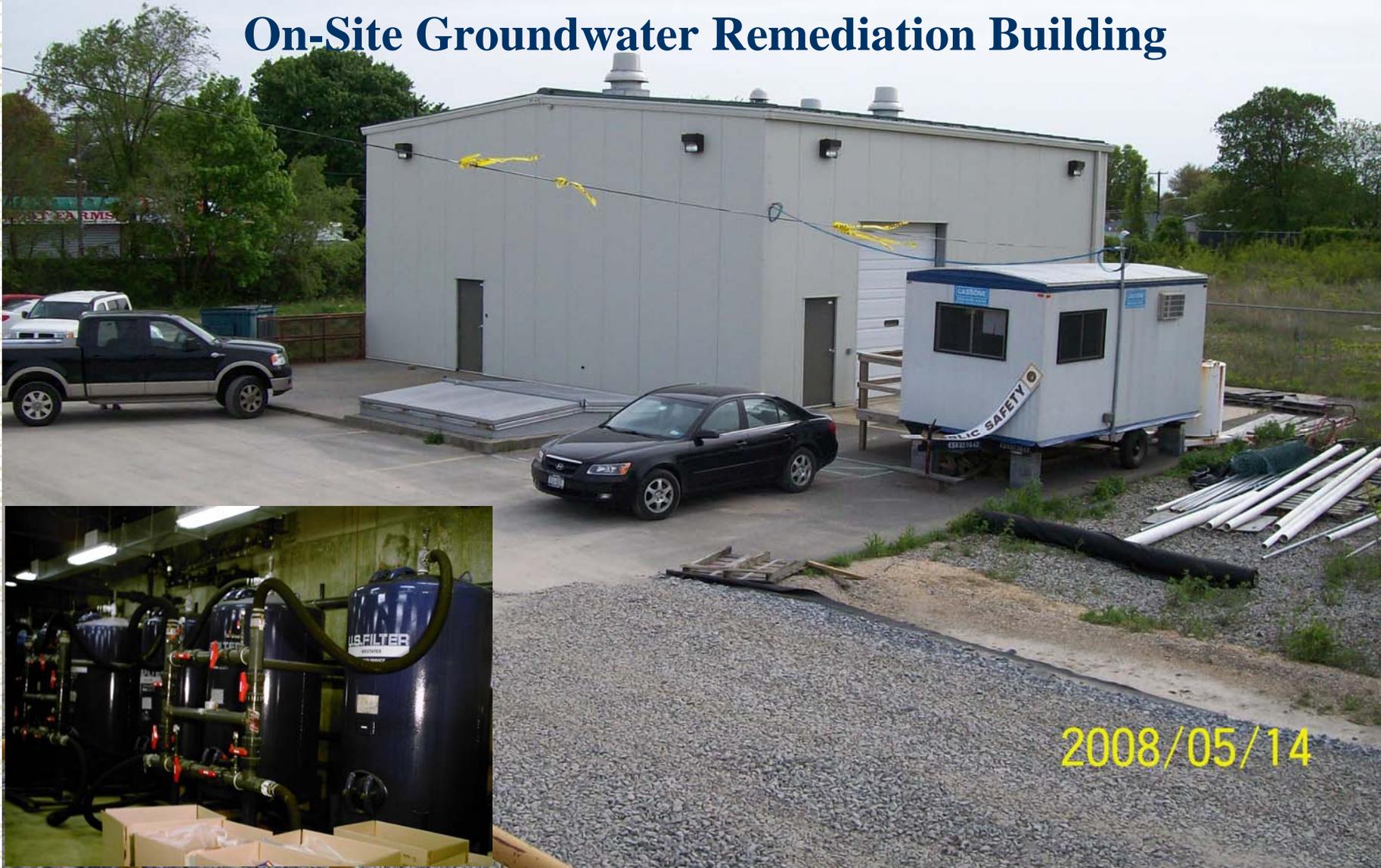
- ◆ Soils and Subsurface Features Remedial Action – 95% + Completed
- ◆ July 2008 – Current Schedule for Completion But will be Extended Due to Recent Post-Excavation Confirmatory Sampling Results that will Require Additional Excavation of Contaminated Soils

# Status of On-Site and Off-Site Groundwater Remedial Action

- ◆ On-Site Groundwater Remediation (Objective is to Prevent Additional Contaminant Migration Beyond the Facility Boundary) – Fully Operational Since June 2004
- ◆ Summer 2008 - Completion of Off-Site Groundwater 100% Remedial Design Projected
- ◆ Fall 2008 – EPA Approval of On-Site and Off-Site Groundwater Remedial Action Work Plan Projected
- ◆ Winter 2010 - Completion of Construction Activities for Off-Site Groundwater Clean-Up and Start of a Fully Functional and Operational On-Site and Off-Site Groundwater Treatment System Projected (Expected to Operate for 20 Years)

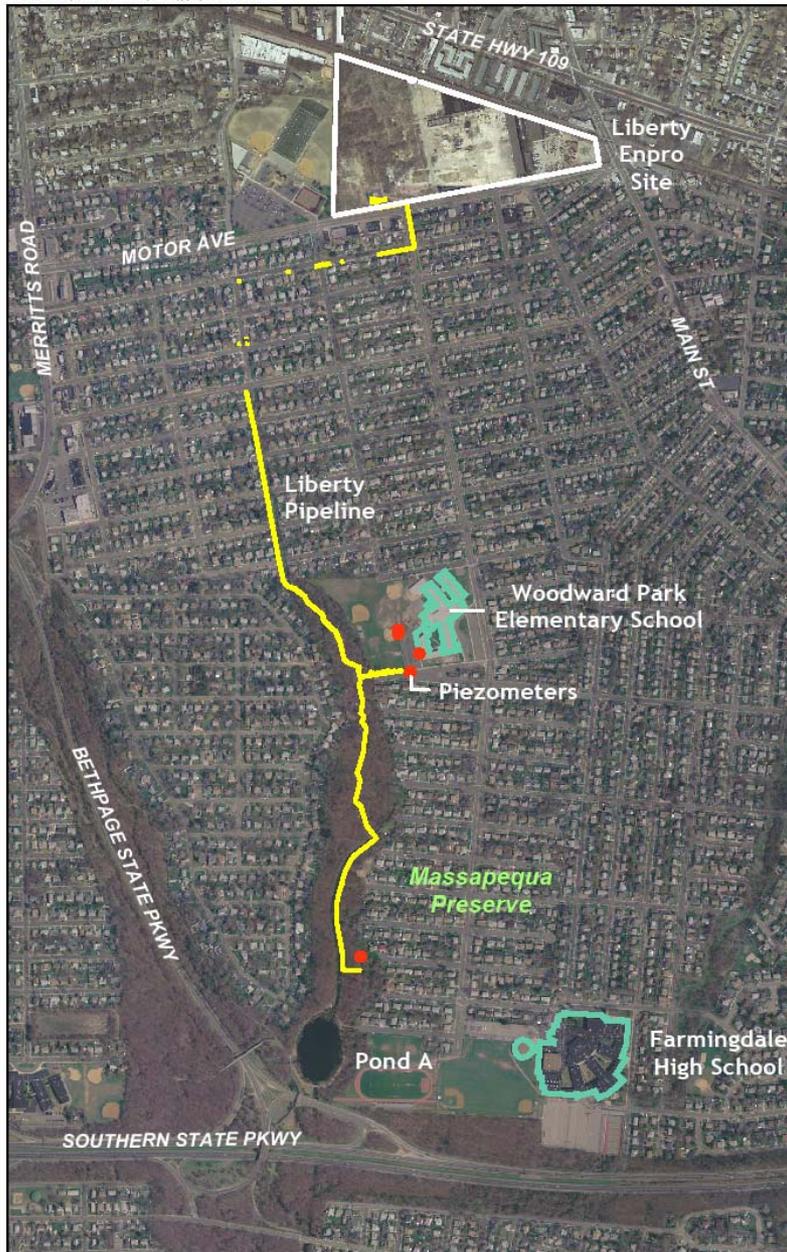
# Status of On-Site and Off-Site Groundwater Remedial Action (Continued)

## On-Site Groundwater Remediation Building



# Status of On-Site and Off-Site Groundwater Remedial Action (Continued)

- ◆ Treatment System Upgrades to Existing On-Site Groundwater Treatment System and Building
- ◆ Installation of Off-Site Groundwater Extraction Piping
- ◆ Installation of Off-Site Extraction/Pumping Wells
- ◆ Installation of On-Site Infiltration Gallery (to Follow On-Site Soils Remedial Action)



## Status of On-Site and Off-Site Groundwater Remedial Action (Continued)

### Proposed Off-Site Groundwater Extraction Piping Layout Figure

# **Status of On-Site and Off-Site Groundwater Remedial Action (Continued)**

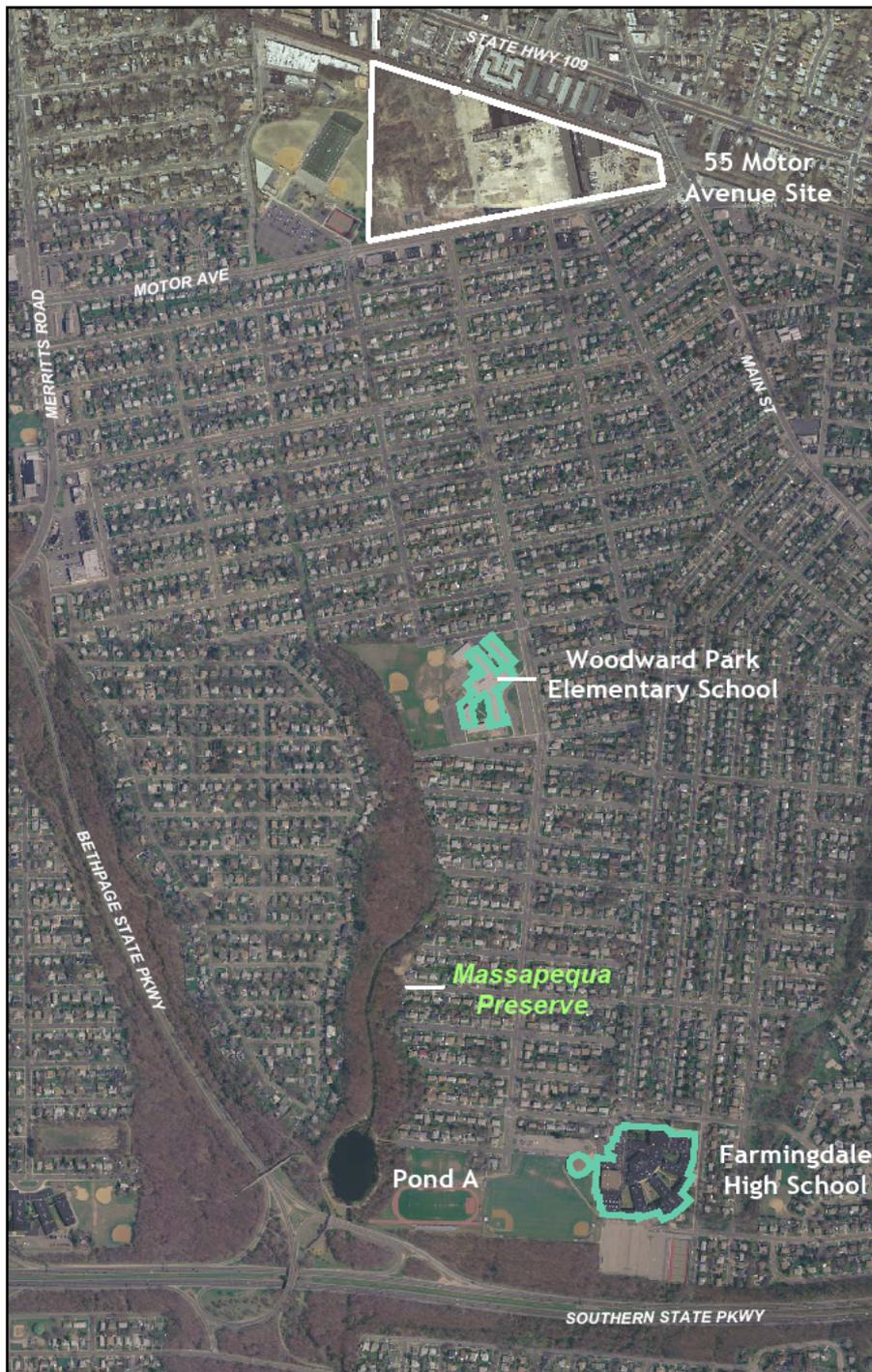
## **Permit Equivalency Requirements**

- ◆ **Access**
  - **Farmingdale Unified School District**
  - **New York State Office of Parks, Recreation and Historic Preservation**
  - **Nassau County Department of Parks, Recreation & Museums**
- ◆ **Work**
  - **New York State Department of Environmental Conservation - State Pollutant Discharge Elimination System (SPDES) Discharge Permit**
  - **Nassau County Department of Public Works - Sewer Connection, County Road Opening, and Discharge Fee**
- ◆ **Easements**
  - **New York State Office of Parks, Recreation and Historic Preservation**

## **Pond A Sediments Remedial Action Presently-Projected Construction and Cleanup Schedule**

- ◆ March 2008 - Pond A Sediments Remedial Action Work Plan Approved
- ◆ May 19, 2008 - Mobilization and Site Preparation
- ◆ June 2008 - Test Construction Water Treatment System
- ◆ June 2008 - Sediment Removal (Following Schools are Closed)
- ◆ July 2008 - Restoration
- ◆ September 2008 - Cleanup and Demobilization from the Site
- ◆ December 2008 - Completion of Pond A Sediments Remedial Action Projected

**Pond A Sediments  
Remedial Action  
(Continued)**



**Pond A  
Sediments RA  
Site Location  
Map**

**Pond A Sediments Remedial Action (Continued)**  
**Photo as of April 2008**



# **Pond A Sediments Remedial Action (Continued)**

**Photo as of April 2008**



**Pond A Sediments Remedial Action (Continued)**  
**Photo of Walking Path by Pond A as of April 2008**



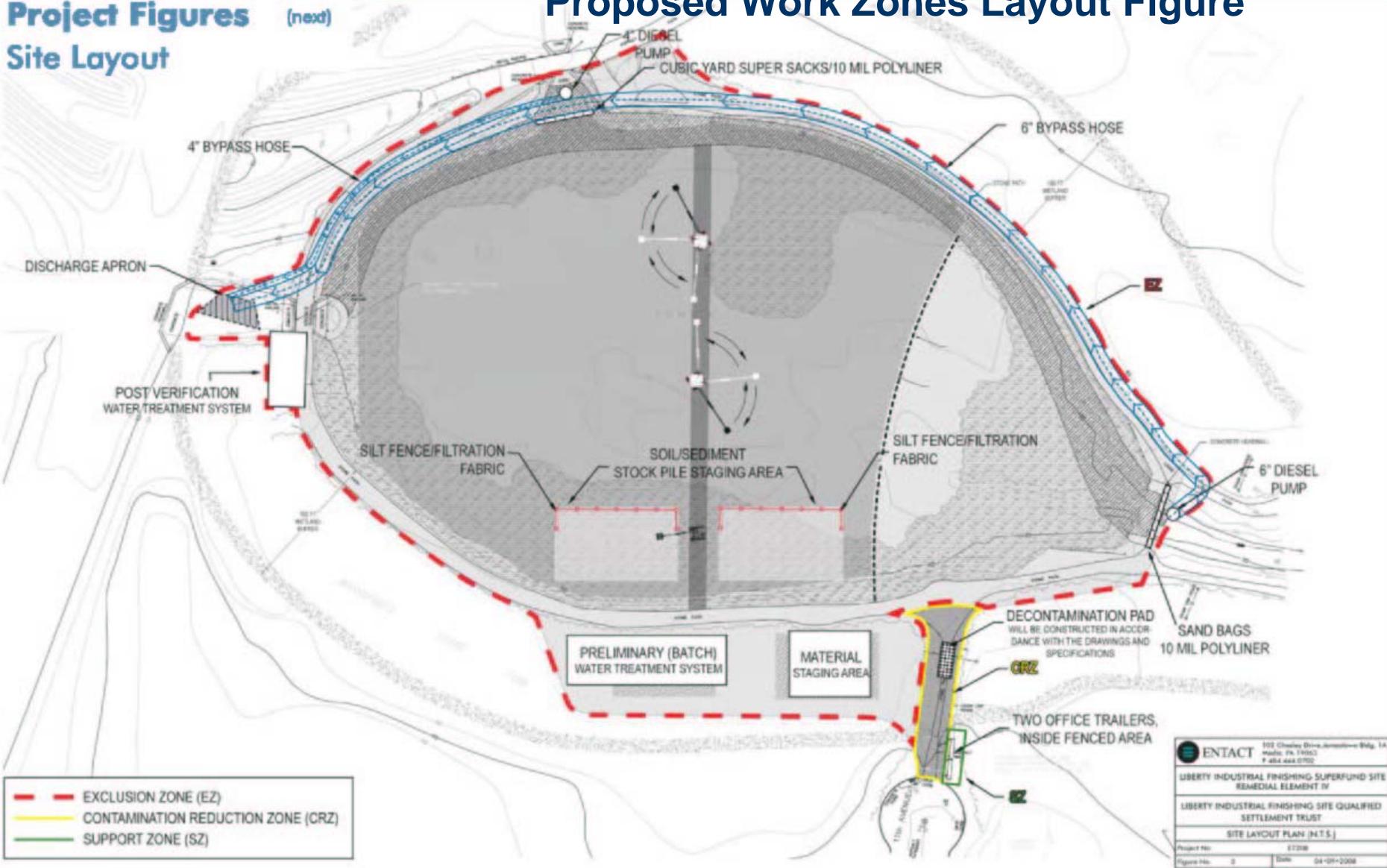
# **Pond A Sediments Remedial Action (Continued)**

## **Permit Equivalency Requirements**

- ◆ **Access**
  - **New York State Office of Parks, Recreation and Historic Preservation**
  - **Nassau County Department of Public Works**
  - **Nassau County Department of Parks, Recreation & Museums**
- ◆ **Wetlands**
  - **United States Army Corps of Engineers**
  - **New York State Department of Environmental Conservation**
- ◆ **Discharge (SPDES)**
  - **New York State Department of Environmental Conservation**
- ◆ **Town of Oyster Bay**

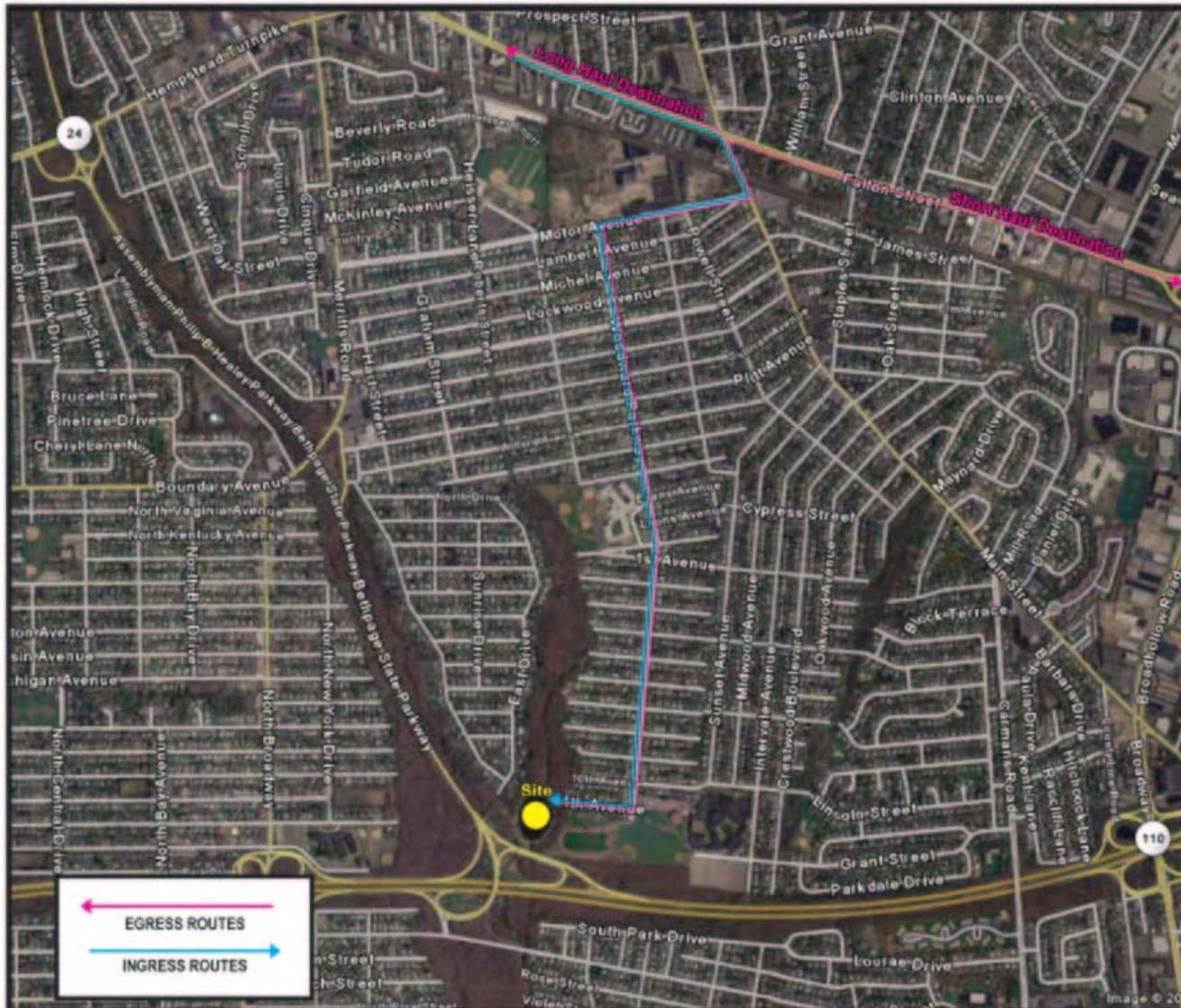
## Pond A Sediments Remedial Action (Continued) Proposed Work Zones Layout Figure

**Project Figures** (next)  
**Site Layout**



## Pond A Sediments Remedial Action (Continued) Traffic Control Plan for Off-Site Waste Hauling

### Traffic Control (next)



**NOTES:**

Truck Routes  
**Directions/Truck Route to the Site:**  
 11th Avenue  
 Farmingdale, NY 11735

From interstate 495 (Long Island Expwy) take Rte 135 South  
 Continue South on Rte 135 to Rte 24 East  
 Take Rte 24 East to Rte 109 South (Fulton Street)  
 Proceed on Rte 109 South, and make a right onto Main Street  
 From Main Street turn right onto Motor Avenue  
 Proceed on Motor Avenue to Woodward Avenue and turn left  
 Continue on Woodward Avenue to 11th Avenue and turn right  
 Site is located at the end of 11th Avenue

**Short Haul: Non Hazardous via Rail**  
 Coastal Distribution, LLC  
 1633 New Highway  
 Farmingdale, NY 11735

Exit Site by proceeding straight on 11th Avenue  
 At the intersection, make a left onto Woodward Parkway  
 Continue on Woodward Parkway to Motor Avenue and turn right  
 Proceed to traffic light, turn left onto Main Street  
 Proceed to next traffic light and turn right onto Rte 109 (Fulton St)  
 Proceed on Rte 109 (Fulton St) to North Route 110  
 Proceed North on Route 110 to Rte 24 (Conklin St) and turn right  
 Proceed on Rte 24 (Conklin St) to New Highway/Tony Casamento Highway  
 Coastal Distribution is approximately .10 mile

**Long Haul: Non-Hazardous and Hazardous via Road**  
 Exit Site by proceeding straight on 11th Avenue  
 At the intersection, make a left onto Woodward Parkway  
 Continue on Woodward Parkway to Motor Avenue and turn right  
 Proceed to traffic light, turn left onto Main Street  
 Proceed to traffic light Rte 109 (Fulton St) and turn left  
 Proceed on Rte 109 (Fulton St) to Rte 24  
 Proceed on Rte 24 to Rte 135 North  
 North on Rte 135 to I-495  
 Take I-495 West to connect with final destination routing

Images taken from Google maps

**ENTACT** 102 Chesley Drive, Jamestown Bldg, 1A  
 Media, PA 19063  
 P 484.444.0702

**Traffic Control Plan**  
**Remedial Element IV - Pond A**  
**Liberty Industrial Finishing Site**  
**Farmingdale, New York**

Project No. E7208  
 Figure No. 5a Date January 9, 2008



# Questions ?

To receive more information about the Liberty Industrial Superfund site, please contact:

**Cecilia Echols, Community Involvement Coordinator**  
**Community Involvement Hotline**  
**1-800-346-5009**

**Lorenzo Thantu, Remedial Project Manger**  
**212-637-4240**

or visit the Liberty Website @  
[www.epa.gov/region02/superfund/npl/libertyindustrial](http://www.epa.gov/region02/superfund/npl/libertyindustrial)