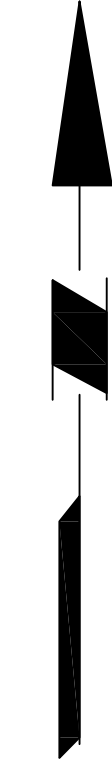


Appendix T

Post-Remediation, Sub-Grade Topography Contour Map

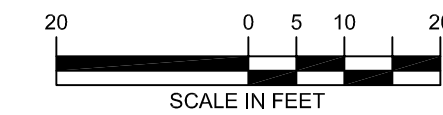


1. ALL ELEVATIONS REFER TO THE NEW YORK CITY TRANSIT (NYCT) DATUM WHICH IS 100.097' BELOW THE BOROUGH PRESIDENT OF MANHATTAN DATUM (BPMD). NYCT = BPMD+100.097'.
2. BEDROCK ELEVATIONS AT LOCATIONS THAN THOSE DIRECTLY MEASURED THROUGH BORINGS OR TEST PITS SHOULD BE CONSIDERED APPROXIMATE.
3. ALL BORING AND TEST PIT LOCATIONS SHOULD BE CONSIDERED APPROXIMATE.
4. THIS PLAN HAS BEEN PRODUCED USING VARIOUS DATA SOURCES WITHIN THE VICINITY OF THE PROJECT SITE. LANGAN MAKES NO CLAIM AS TO THE ACCURACY OF ANY DATA NOT DIRECTLY WITNESSED BY LANGAN PERSONNEL.

 APPROXIMATE BORING OR TEST PIT LOCATION

BORING AND TEST PIT DATA SERIES INFORMATION:

L-SP	SITE P BORINGS (LANGAN 2007)
HYG	HUDSON YARDS GARAGE PRELIMINARY BORINGS (LANGAN 2006)
M	ELEVENTH AVENUE VIADUCT BORINGS AND TEST PITS (MRCE 2006)
CD	NO 7 LINE BORINGS (PB TEAM 2003)
PE	NO 7 LINE BORINGS (PB TEAM 2003)
FD	NO 7 LINE BORINGS (PB TEAM 2005)
VIA	ELEVENTH AVENUE VIADUCT BORINGS AND TEST PITS (MRCE 2001)
PB	AMTRAK NORTH ACCESS BORINGS AND TEST PITS (1987)
JP-B	JAVITS PARK (WOODWARD CLYDE CONSULTANTS (1986)
WCC	JAVITS CENTER TEST PITS (WOODWARD CLYDE CONSULTANTS (1979-1980)
ECC	EMPIRE CARRIER CORP (RELIABLE DRILLING 1961)
DDC	NYC DDC BORINGS AND TEST PITS (VARIOUS SOURCES AND YEARS)



LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-2727
P: 212.479.5400 F: 212.479.5444
www.langan.com

NEW JERSEY PENNSYLVANIA **NEW YORK** CONNECTICUT FLORIDA NEVADA

NJ Certificate of Authorization No: 24GA27996400

Project

MOINIAN SITE P
WEST 34TH STREET

MANHATTAN NEW YORK

Drawing Title

ROCK CONTOUR PLAN

Project No. 5775701

Date _____

4/18/07

AS SHOWN

Drn. By **SS**

F-4

Of

Brookside Environmental, Inc.

September 18, 2007

FDNY, Bureau of Fire Prevention
Bulk Fuel Safety Unit, Room 3E-102
9 Metro-Tech Center
Brooklyn, New York 11201-3857

Re: 400 11th Avenue
New York, New York

AFFIDAVIT

Brian Gaudreault being duly sworn says that on September 14, 2007, Brookside Environmental, Inc., supervised the removal of four (4) 550 gasoline tanks and one (1) 275 waste oil tank from the above referenced property in accordance with the provision of 3 RCNY @ 21-02 Section (d) of such rule.

- Disposed of 1,610 gallons of oil/water for proper disposal.
- Properly purged the tank.
- Cleaned the tank.
- Removed all associated pipes.
- Removed the tanks.

This affidavit is issued to attest the proper abandonment procedure by a FDNY Licensed Underground Storage Tank Installer/Remover.



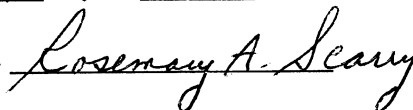
Brian Gaudreault
FDNY License # 81350266
Expires 6/07/2010

ROSEMARY A. SCARRY
Notary Public, State of New York
Qualified in Nassau County
No. 01SC6118480
Term Expires 11/08/2008

State of New York
County of Nassau

Sworn before this 26th day of SEPT. 2007

Seal Notary Public



757 Foxhurst Road Baldwin, NY 11510 (516) 377-6300 Fax (516) 377-6846
18-33 129th Street College Point, NY 11356 (718) 358-9499 www.brooksideweb.com

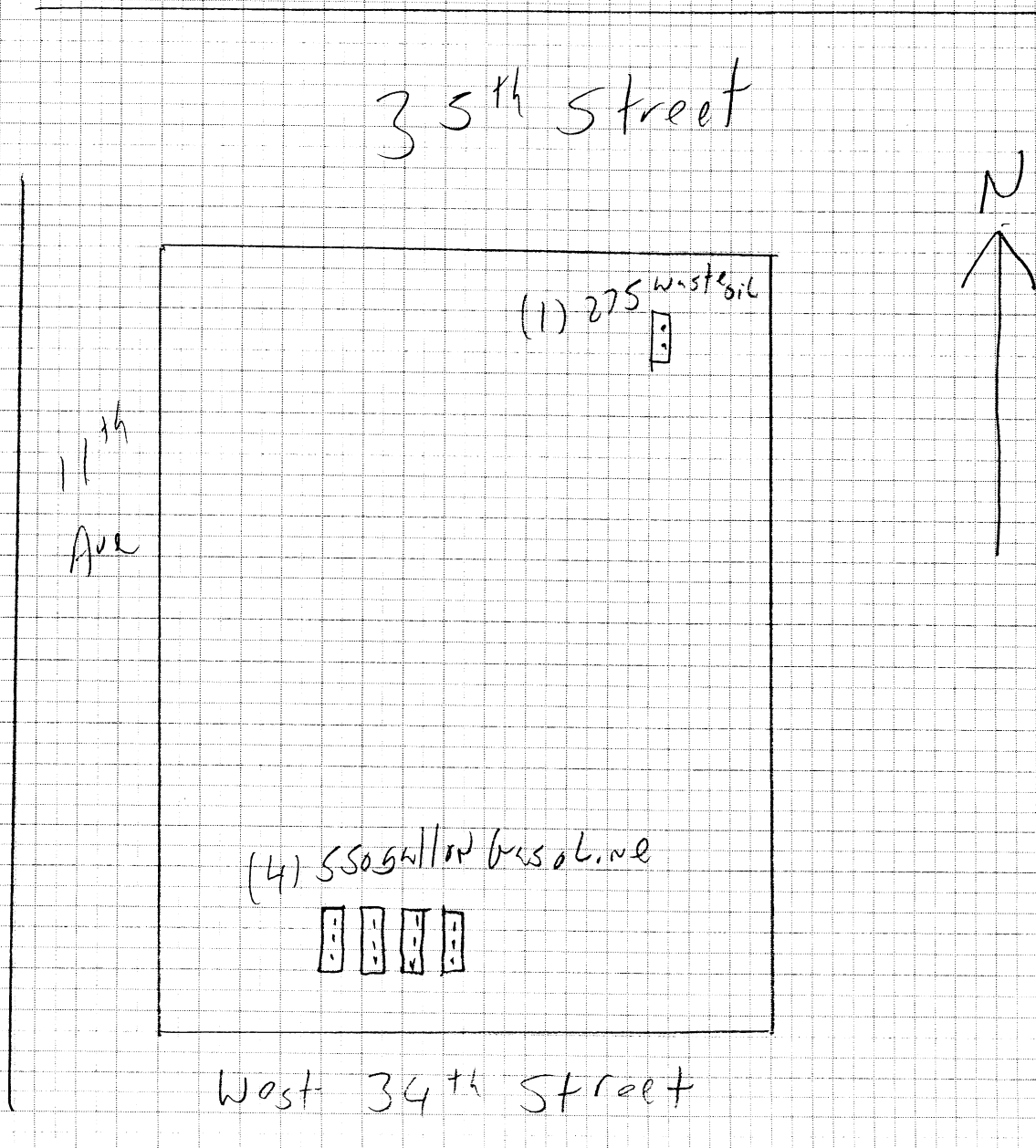
Brookside Environmental, Inc.

757 Foxhurst Road • Baldwin, NY 11510 • (516) 377-6300 • Fax (516) 377-6846

Project: 400 11th Ave New York, NY

Date: 9/16/07

Re: Removal of tanks.



BW
NTS

Appendix U

UST Removal Documentation

Brookside Environmental, Inc.

September 18, 2007

FDNY, Bureau of Fire Prevention
Bulk Fuel Safety Unit, Room 3E-102
9 Metro-Tech Center
Brooklyn, New York 11201-3857

Re: 400 11th Avenue
New York, New York

AFFIDAVIT

Brian Gaudreault being duly sworn says that on September 14, 2007, Brookside Environmental, Inc., supervised the removal of four (4) 550 gasoline tanks and one (1) 275 waste oil tank from the above referenced property in accordance with the provision of 3 RCNY @ 21-02 Section (d) of such rule.

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- Cleaned the tank.
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This affidavit is issued to attest the proper abandonment procedure by a FDNY Licensed Underground Storage Tank Installer/Remover.



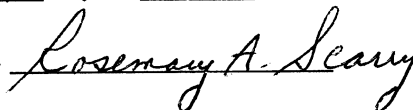
Brian Gaudreault
FDNY License # 81350266
Expires 6/07/2010

ROSEMARY A. SCARRY
Notary Public, State of New York
Qualified in Nassau County
No. 01SC6118480
Term Expires 11/08/2008

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County of Nassau

Sworn before this 26th day of SEPT. 2007

Seal Notary Public



757 Foxhurst Road Baldwin, NY 11510 (516) 377-6300 Fax (516) 377-6846
18-33 129th Street College Point, NY 11356 (718) 358-9499 www.brooksideweb.com

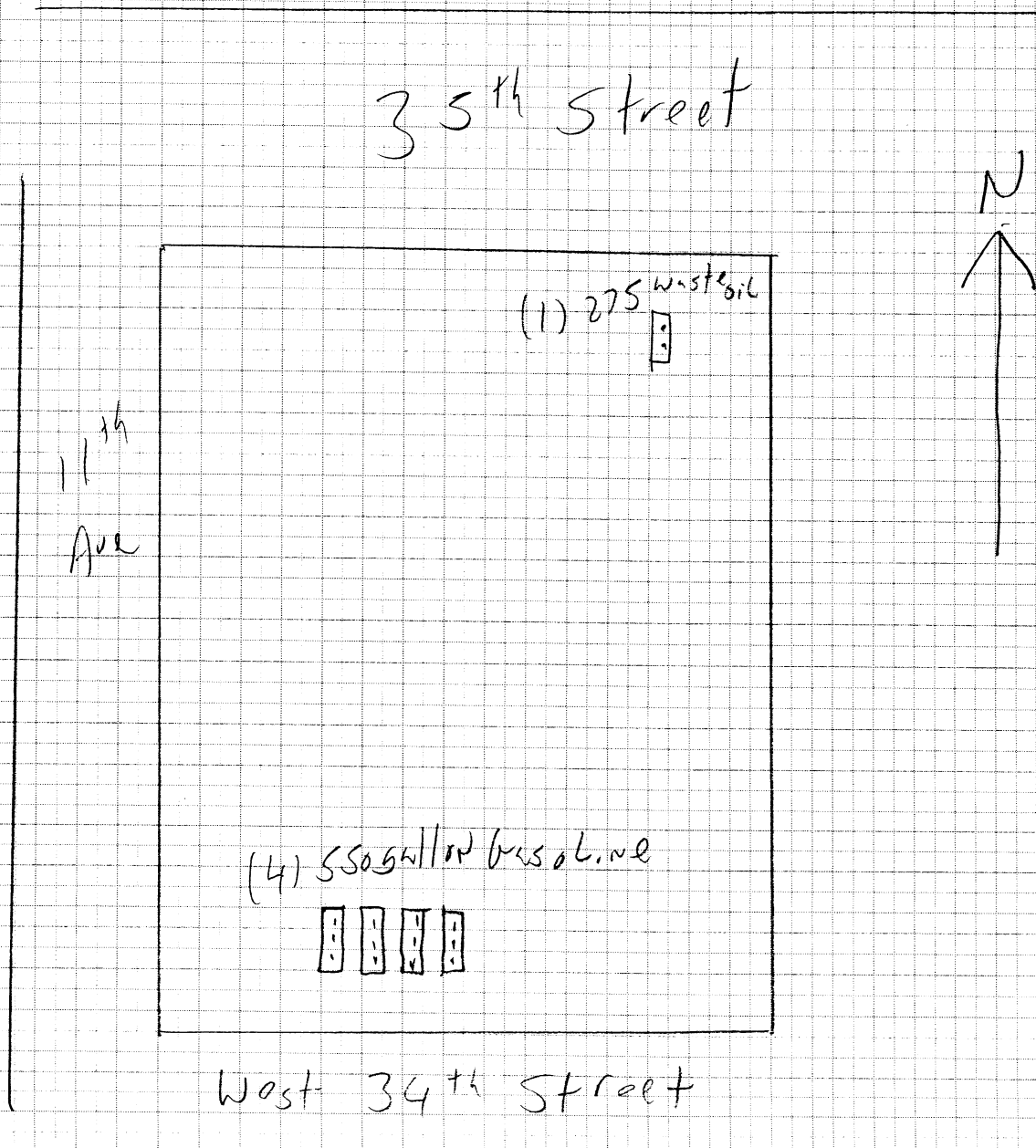
Brookside Environmental, Inc.

757 Foxhurst Road • Baldwin, NY 11510 • (516) 377-6300 • Fax (516) 377-6846

Project: 400 11th Ave New York, NY

Date: 9/16/07

Re: Removal of tanks.



BW
NTS



CARDELLA TRUCKING

2400 TONNELLE AVENUE, NORTH BERGEN, NJ 07047

212-594-7713

201-867-7276

800-548-7001

52442

TRUCK # 39 DRIVER GARY DATE DEC. 21 20 07

CUSTOMER NAME LAQUILA

JOB ADDRESS _____

QUANTITY	DESCRIPTION			
	<input type="checkbox"/> MINIS	<input type="checkbox"/> 10	<input type="checkbox"/> 25	<input type="checkbox"/> DROP
	<input type="checkbox"/> PACKER LOAD	<input type="checkbox"/> 15	<input checked="" type="checkbox"/> 30	<input checked="" type="checkbox"/> REMOVAL
	<input type="checkbox"/> STANDING	<input type="checkbox"/> 20	<input type="checkbox"/> 40	<input type="checkbox"/> SWITCH

☐ TIRES ☐ STUMPS ☐ OVERLOADED ☐ SITEWORK ☐ CLEAN MASONARY
☐ OTHER: _____

I hereby authorize Cardella Waste to charge my credit card for:

Ticket # DIESEL TANK REMOVED + CLEANED

Credit Card # IN CONTAINER FOR SCRAP

Type: _____ Expiration Date: _____

Card V Code (on back of card - 3 digit # [AMEX 4 digit]): _____

Weight Limit: _____ Price Per Ton: _____

Card Billing Address: _____

Name: _____

Address: _____

City, State, Zip: _____

Cardholder Signature: _____

- CARDELLA RESERVES THE RIGHT TO ADD A SURCHARGE FOR TIRE DISPOSAL.
- CUSTOMER IS RESPONSIBLE FOR ALL OVERWEIGHT CHARGES.
- DRIVER IS NOT RESPONSIBLE FOR SPILLAGE IF CONTAINER IS OVERFILLED.
- CUSTOMER IS RESPONSIBLE FOR ANY FINES DUE TO OVERFILLED OR OVERWEIGHT CONTAINERS.
- DRIVER NOT RESPONSIBLE FOR ANY/ALL PROPERTY DAMAGE BEYOND CURB.
- CARDELLA RESERVES THE RIGHT TO PICK UP CONTAINER AFTER FIVE BUSINESS DAYS.

CUSTOMER SIGNATURE Baker Ritz S.S.M



Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2

Spill Number: 0706755

Spill Date/Time

Spill Date: 09/18/2007 **Spill Time:** 11:30:00 AM

Call Received Date: 09/18/2007 **Call Received Time:** 01:02:00 PM

Location

Spill Name: BROWNFIELD SITE

Address: 555 WEST 34TH STREET

City: NEW YORK **County:** New York

Spill Description

Material Spilled	Amount Spilled	Resource Affected
UNKNOWN PETROLEUM	UNKNOWN	Soil

Cause: Unknown

Source: Institutional, Educational, Gov., Other

Waterbody:

Record Close

Date Spill Closed: 03/26/2009

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the [Regional Office](#) where the incident occurred.

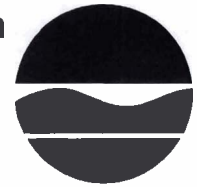
[Back to Search Results](#)

[Refine Current Search](#)

Appendix V

NYSDEC Inspection Reports and January 9, 2008 Letter

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B, 12th Floor
625 Broadway, Albany, New York 12233-7016
Phone: (518) 402-9774 • FAX: (518) 402-9773
Website: www.dec.state.ny.us



Alexander B. Grannis
Commissioner

INSPECTION REPORT

BROWNFIELD CLEANUP PROGRAM WEST 34TH STREET DEVELOPMENT PROJECT REMEDIAL ACTION

SITE NUMBER	C231049	INSPECTION DATE	12-17-2007
SITE NAME	West 34 th Street Development Project	SITE LOCATION	Between West 34 st Street and West 35 th Street and 11 th Avenue, Manhattan, New York, New York County
DEC PROJECT MANAGER, ENGINEER	John Durnin, P.E.	ARRIVED ON-SITE	10:00 AM
SITE ENGINEER REPRESENTATIVE	Matthew Carroll, Environmental Engineer, Fleming- Lee Shue, Inc.	ON-SITE REPRESENTATIVE	Kyle Boretsky, Environmental Scientist, Fleming-Lee Shue, Inc. Jessie Sebbo, Air Monitoring, Fleming- Lee Shue, Inc.
WEATHER	Sunny, dry, breezy	TEMPERATURE	Approx. 35 Degrees F
TYPICAL SITE WORK HOURS	7:30 AM to 3:30 PM		

CONTRACTOR INFORMATION:

CONTRACTOR	WORK ACTIVITY	HOURS WORKED
Laquilla	Contaminated soil excavation and shoring of the site perimeter.	7:30 AM to 3:30 PM

HEALTH & SAFETY: Level of protection used: Level D

DESCRIPTION OF WORK PERFORMED DURING THIS REPORT PERIOD:

Some excavation has occurred in all of the grids to some degree. Perimeter structural support work has been underway for several weeks.

Grid A4, Grid D6 and Grid D7 have been excavated to bedrock as per the approved Remedial Action Work Plan. Remedial work in these 3 Grids is complete. Photographs were taken.

NYSDEC visited the Tishman Construction site in Manhattan on Columbus Street between West 100th Street and 97th Street. NYSDEC met with Anthony Scotto of Laquilla. Looked at the stockpile of on-site excavated bedrock, located closer to the 97th Street portion of the site (see attached site reference map). This bedrock was free of loose material and soil. This stockpiled bedrock is approved to be used as fill material at the West 34th Street BCP Site. A NYSDEC verbal approval was given to Anthony Scotto of Laquilla and Matthew Carroll of Fleming-Lee Shue. This approval is based on the proper documentation of the source of the bedrock (Columbus Street) and the volume brought to the site. Each load must be screened visually and with a PID for evidence of contamination. No soil is permitted with the imported bedrock. The bedrock can be used anywhere on-site.

The Contractor continues to excavate soil and rock throughout the site.

No apparent groundwater has been encountered to date. Accumulated rainwater is being pumped to the NYC sewer system under a valid NYC Discharge Permit.

Continuous air monitoring was being conducted. No vapors were detected. Dust suppression (water spray) is utilized, as needed.

NYSDEC SITE REPRESENTATIVE:

John Durnin P.E., DER, Remedial Bureau B, Section B

Signature:  Date: December 17, 2007

Approximate location of approved
on-site stock piled bedrock.



Tishman Construction site in Manhattan on Columbus Street
between West 100th Street and 97th Street.

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B, 12th Floor
625 Broadway, Albany, New York 12233-7016
Phone: (518) 402-9774 • FAX: (518) 402-9773
Website: www.dec.state.ny.us



Alexander B. Grannis
Commissioner

INSPECTION REPORT

BROWNFIELD CLEANUP PROGRAM WEST 34TH STREET DEVELOPMENT PROJECT REMEDIAL ACTION

SITE NUMBER	C231049	INSPECTION DATE	11-7-2007
SITE NAME	West 34 th Street Development Project	SITE LOCATION	Between West 34 st Street and West 35 th Street and 11 th Avenue, Manhattan, New York, New York County
DEC PROJECT MANAGER, ENGINEER	John Durnin, P.E.	ARRIVED ON-SITE	9:30 AM
SITE ENGINEER REPRESENTATIVE	Matthew Carroll, Environmental Engineer, Fleming- Lee Shue, Inc.	ON-SITE REPRESENTATIVE	Kyle Boretsky, Environmental Scientist, Fleming-Lee Shue, Inc. Jessie Sebbo, Air Monitoring, Fleming- Lee Shue, Inc.
WEATHER	Sunny, dry, calm	TEMPERATURE	Approx. 50 Degrees F
TYPICAL SITE WORK HOURS	7:30 AM to 3:30 PM		

CONTRACTOR INFORMATION:

CONTRACTOR	WORK ACTIVITY	HOURS WORKED
Laquilla	Contaminated soil excavation and shoring of the site perimeter.	7:30 AM to 3:30 PM

HEALTH & SAFETY:

Level of protection used: Level D

DESCRIPTION OF WORK PERFORMED DURING THIS REPORT PERIOD:

Grid A1, Grid A2 and Grid A3 have been excavated to bedrock as per the approved Remedial Action Work Plan. Remedial work in Grids A1, A2 and A3 is complete. See attached marked-up site grid map. Photographs were taken.

The Contractor continues to excavate soil and rock throughout the site.

Partial excavation has occurred in all of the grids to some degree. Perimeter structural support work has been underway for several weeks. Underpinning/tie-backs are being placed along the northern perimeter of the site.

No apparent groundwater has been encountered to date. Accumulated rainwater is being pumped to the NYC sewer system under a valid NYC Discharge Permit.

Continuous air monitoring was being conducted. No vapors were detected. Dust suppression (water spray) is utilized, as needed.

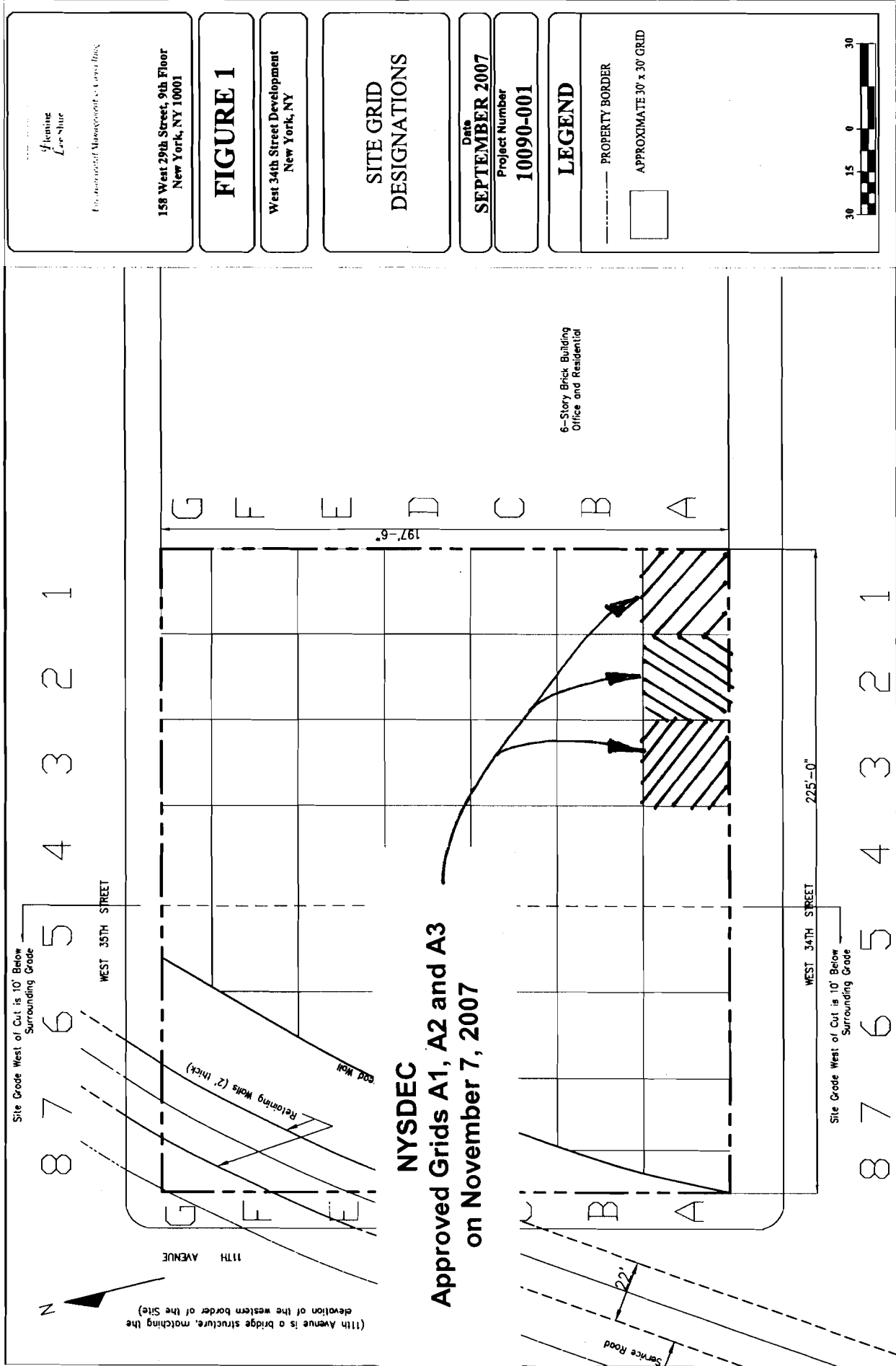
No soil was being removed from the site at the time of this inspection (truck ramp removed).

NYSDEC SITE REPRESENTATIVE:

John Durnin P.E., DER, Remedial Bureau B, Section B

Signature:**Date:** November 14, 2007

Attachment to NYSDEC Inspection Report for November 7, 2007



NYSDEC
Approved Grids A1, A2 and A3
on November 7, 2007

Yvesine
Lee-Shue

Environmental Management & Control Inc.

158 West 29th Street, 9th Floor
New York, NY 10001

FIGURE 1

West 34th Street Development
New York, NY

SITE GRID
DESIGNATIONS

Date
SEPTEMBER 2007

Project Number
10090-001

LEGEND

PROPERTY BORDER



APPROXIMATE 30' x 30' GRID



**New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B**

625 Broadway, Albany, New York 12233-7016
Phone: (518) 402-9774 • **FAX:** (518) 402-9773
Website: www.dec.state.ny.us



Alexander B. Grannis
Commissioner

January 9, 2008

Joseph Moinian
Meushar 34th Street, LLC
c/o the Moinian Group
530 Fifth Avenue, Suite 1800
New York, NY 10036

Re: West 34th Street Development Project
Brownfield Cleanup Project #C231049
New York City, New York County
On-Site Soil Removal to Bedrock

Dear Mr. Moinian:

The on-site soil over the majority of the West 34th Street Development Project BCP Site has been removed to bedrock as per the NYSDEC approved Remedial Action Work Plan.

Attached is a marked-up drawing showing the grids at this BCP Site where all the on-site soil has been removed to bedrock. The remaining grids that still have on-site soil above bedrock are those located west of the Bulkhead Wall (for example: Grids C8, D8, E7, F7, G6, etc.).

Removing all the on-site soil to bedrock over the entire site meets the requirements for a Track 1 Cleanup for Unrestricted Use in the NYSDEC BCP Program. To maintain this Unrestricted Use status, any soil that is brought on-site must be clean as per the NYSDEC approved site Soil Management Plan, Section 3.7, Imported Backfill (see attached). The Soil Cleanup Objectives for Unrestricted Use, referenced in the approved Soil Management Plan, are included in 6NYCRR Part 375-6.8(a) and are also attached.

Although the New York City MTA is taking control of this BCP site to construct an extension to the No. 7 Subway, the BCP Soil Management Plan and Imported Backfill requirements must continue to be followed and documented to maintain the Track 1, Unrestricted Use status. Based on discussions with Fleming Lee Shue

Representatives, this is being coordinated with the New York City MTA.

If you have any questions or concerns, please contact me at (518) 402-9774.

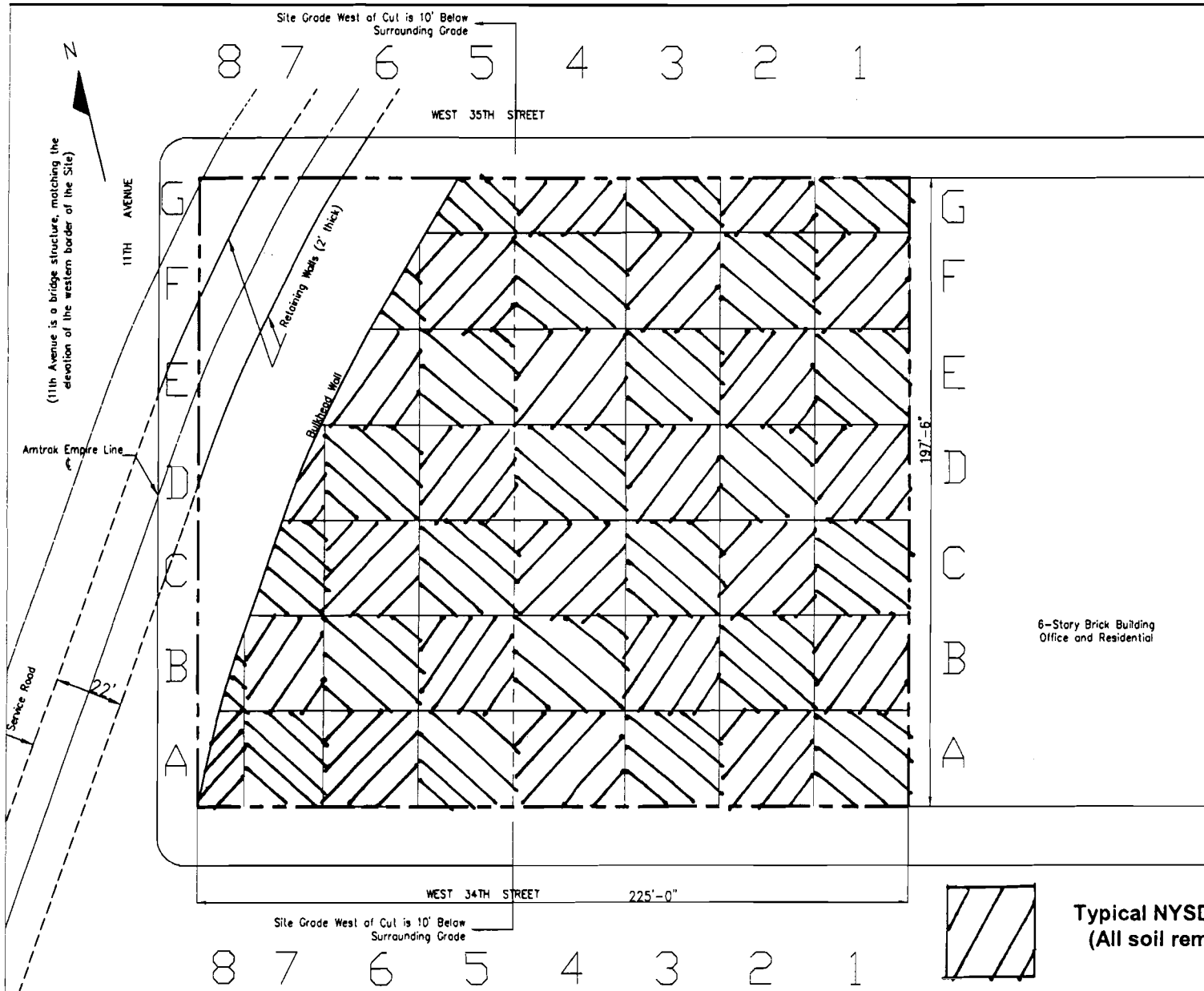
Sincerely,

A handwritten signature in black ink, appearing to read "John Durnin", followed by the initials "P.E." to the right. The signature is written over a horizontal line.

John Durnin, P.E.
Environmental Engineer
Division of Environmental Remediation
Bureau B, Section B

ec: J. Quinn, Section Chief
A. Nagi, NYSDEC Region 2
B. Callaghan, NYSDOH
M. Carroll, Fleming Lee Shue, Inc.

**NYSDEC Marked-Up Drawing
Showing Approved Grids
January 4, 2008**



Fleming
Lee Shaw

Environmental Management & Consulting

158 West 29th Street, 9th Floor
New York, NY 10001

FIGURE 1


West 34th Street Development
New York, NY

**SITE GRID
DESIGNATIONS**

Date
SEPTEMBER 2007

Project Number
10090-001

LEGEND

- PROPERTY BORDER
-  APPROXIMATE 30' x 30' GRID

West 34th Street Development

555 West 34th Street
New York, New York
Block 706, Lot 1

BCP Site #C231049

SOIL MANAGEMENT PLAN

Prepared For:

Meushar 34th Street, LLC
c/o The Moinian Group
530 Fifth Avenue, Suite 1800
New York, NY 10036

Submitted to:

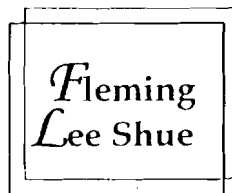
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, N.Y. 12233-7016

Fleming-Lee Shue Project Number: 10090-001

Prepared by:

Fleming-Lee Shue, Inc.
158 West 29th Street, 9th Floor
New York, New York 10001

Arnold F. Fleming, P.E. &



Environmental Management & Consulting

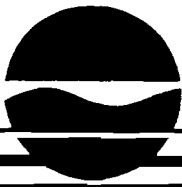
June 2007

3.7 Imported Backfill

Off-Site material brought in as backfill must be certified that it is free of contamination as virgin source material with written documentation from the supplier certifying that the soil is from a source not known to have been contaminated or have received hazardous materials, petroleum or other hydrocarbon-derived, toxic, or radioactive materials. If the material is not virgin, then the material will be tested at a frequency of one sample/250 yd³ of soil for full TAGM analyses from each source area. This requirement is necessary to fulfill New York City Department of Environmental Protection "e" Designation status. The tested material will be considered acceptable for reuse on Site if it meets the requirements for Track 1 unrestricted residential use as set forth in NYCRR Table 375-6.8(a).

If more than 1,000 yd³ are imported from a given off-Site non-virgin source, and each of the four samples for the first 1,000 yd³ meet the stated reuse criteria, then the sample frequency will reduce to one composite sample/2,500 yd³ for additional soil from the same source up to 5,000 yd³. For volumes greater than 5,000 yd³, the sampling frequency will be reduced to one sample/5,000 yd³, provided that all previous samples met the established limits.

All imported soil must be free of organic material, debris, cinders, combustibles, wood, roots, and staining. All imported soils must be approved by NYSDEC before being brought to the Site. Imported backfill will be visually inspected and screened for volatile organic compounds with a PID by the Site environmental professional. Backfill placement on-Site must be approved by the Site environmental professional.



Department of Environmental Conservation

Division of Environmental Remediation

6 NYCRR PART 375

Environmental Remediation Programs

Subparts 375-1 to 375-4 & 375-6

Effective December 14, 2006

New York State Department of Environmental Conservation

375-6.8

Soil cleanup objective tables.

(a)

Unrestricted use soil cleanup objectives.

Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Unrestricted Use
Metals		
Arsenic	7440-38-2	13 ^c
Barium	7440-39-3	350 ^c
Beryllium	7440-41-7	7.2
Cadmium	7440-43-9	2.5 ^c
Chromium, hexavalent ^e	18540-29-9	1 ^b
Chromium, trivalent ^e	16065-83-1	30 ^c
Copper	7440-50-8	50
Total Cyanide ^{e, f}		27
Lead	7439-92-1	63 ^c
Manganese	7439-96-5	1600 ^c
Total Mercury		0.18 ^c
Nickel	7440-02-0	30
Selenium	7782-49-2	3.9 ^c
Silver	7440-22-4	2
Zinc	7440-66-6	109 ^c
PCBs/Pesticides		
2,4,5-TP Acid (Silvex) ^f	93-72-1	3.8
4,4'-DDE	72-55-9	0.0033 ^b
4,4'-DDT	50-29-3	0.0033 ^b
4,4'-DDD	72-54-8	0.0033 ^b
Aldrin	309-00-2	0.005 ^c
alpha-BHC	319-84-6	0.02
beta-BHC	319-85-7	0.036
Chlordane (alpha)	5103-71-9	0.094

Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Unrestricted Use
delta-BHC ^g	319-86-8	0.04
Dibenzofuran ^f	132-64-9	7
Dieldrin	60-57-1	0.005 ^c
Endosulfan I ^{d, f}	959-98-8	2.4
Endosulfan II ^{d, f}	33213-65-9	2.4
Endosulfan sulfate ^{d, f}	1031-07-8	2.4
Endrin	72-20-8	0.014
Heptachlor	76-44-8	0.042
Lindane	58-89-9	0.1
Polychlorinated biphenyls	1336-36-3	0.1
Semivolatile organic compounds		
Acenaphthene	83-32-9	20
Acenaphthylene ^f	208-96-8	100 ^a
Anthracene ^f	120-12-7	100 ^a
Benz(a)anthracene ^f	56-55-3	1 ^c
Benzo(a)pyrene	50-32-8	1 ^c
Benzo(b)fluoranthene ^f	205-99-2	1 ^c
Benzo(g,h,i)perylene ^f	191-24-2	100
Benzo(k)fluoranthene ^f	207-08-9	0.8 ^c
Chrysene ^f	218-01-9	1 ^c
Dibenz(a,h)anthracene ^f	53-70-3	0.33 ^b
Fluoranthene ^f	206-44-0	100 ^a
Fluorene	86-73-7	30
Indeno(1,2,3-cd)pyrene ^f	193-39-5	0.5 ^c
m-Cresol ^f	108-39-4	0.33 ^b
Naphthalene ^f	91-20-3	12
o-Cresol ^f	95-48-7	0.33 ^b

Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Unrestricted Use
p-Cresol ^f	106-44-5	0.33 ^b
Pentachlorophenol	87-86-5	0.8 ^b
Phenanthrene ^f	85-01-8	100
Phenol	108-95-2	0.33 ^b
Pyrene ^f	129-00-0	100
Volatile organic compounds		
1,1,1-Trichloroethane ^f	71-55-6	0.68
1,1-Dichloroethane ^f	75-34-3	0.27
1,1-Dichloroethene ^f	75-35-4	0.33
1,2-Dichlorobenzene ^f	95-50-1	1.1
1,2-Dichloroethane	107-06-2	0.02 ^c
cis -1,2-Dichloroethene ^f	156-59-2	0.25
trans-1,2-Dichloroethene ^f	156-60-5	0.19
1,3-Dichlorobenzene ^f	541-73-1	2.4
1,4-Dichlorobenzene	106-46-7	1.8
1,4-Dioxane	123-91-1	0.1 ^b
Acetone	67-64-1	0.05
Benzene	71-43-2	0.06
n-Butylbenzene ^f	104-51-8	12
Carbon tetrachloride ^f	56-23-5	0.76
Chlorobenzene	108-90-7	1.1
Chloroform	67-66-3	0.37
Ethylbenzene ^f	100-41-4	1
Hexachlorobenzene ^f	118-74-1	0.33 ^b
Methyl ethyl ketone	78-93-3	0.12
Methyl tert-butyl ether ^f	1634-04-4	0.93
Methylene chloride	75-09-2	0.05

Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives

Contaminant	CAS Number	Unrestricted Use
n - Propylbenzene ^f	103-65-1	3.9
sec-Butylbenzene ^f	135-98-8	11
tert-Butylbenzene ^f	98-06-6	5.9
Tetrachloroethene	127-18-4	1.3
Toluene	108-88-3	0.7
Trichloroethene	79-01-6	0.47
1,2,4-Trimethylbenzene ^f	95-63-6	3.6
1,3,5-Trimethylbenzene ^f	108-67-8	8.4
Vinyl chloride ^f	75-01-4	0.02
Xylene (mixed)	1330-20-7	0.26

All soil cleanup objectives (SCOs) are in parts per million (ppm).

Footnotes

^a The SCOs for unrestricted use were capped at a maximum value of 100 ppm. See Technical Support Document (TSD), section 9.3.

^b For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

^c For constituents where the calculated SCO was lower than the rural soil background concentration, as determined by the Department and Department of Health rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.

^d SCO is the sum of endosulfan I, endosulfan II and endosulfan sulfate.

^e The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.

^f Protection of ecological resources SCOs were not developed for contaminants identified in Table 375-6.8(b) with "NS". Where such contaminants appear in Table 375-6.8(a), the applicant may be required by the Department to calculate a protection of ecological resources SCO according to the TSD.

