JSW —
SUM —

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
2890 WOODBRIDGE AVENUE
EDISON, NEW JERSEY 08837-3679

February 26, 2007

Mr. Martin Doster, P.E.
Regional Hazardous Waste Remediation Engineer
Division of Hazardous Waste Remediation
Region 9
270 Michigan Avenue
Buffalo, NY 14203-2999

Re: NL Industries Depew/Plant reports

Dear Marty,

I have enclosed two reports prepared by EPA's contractor, Weston Solutions Inc., detailing the delineation sampling events conducted by EPA as a result of lead contamination identified in soil in the neighborhoods located north and northeast of NL Industries' former Plant.

The two (2) bound copies present the results of the Princeton Avenue delineation sampling event, which was performed to identify the northern boundaries of lead contamination in the neighborhood covered under the Administrative Order on Consent.

The report on CD presents the results of the delineation sampling events which were performed to identify/delineate lead contamination in soil, located in the neighborhood northeast of the former plant. Soil sampling in this neighborhood was requested by a number of residents who attended the Public Availability Session in November 2004. EPA is currently identifying potentially responsible parties (PRPs) to address the contamination found in this neighborhood.

Should you have any questions regarding the information in the reports or any of the work that EPA has conducted thus far, please give me a call at 732-321-6614.

Sincerely

Dan Harkay
On-Scene Coordinator

cc: Joseph Rotola RAB
Irmgard Lopez RAB

WESTON SOLUTIONS

Weston Solutions, Inc.
Federal Programs Division
Suite 201
1090 King Georges Post Road
Edison, New Jersey 08837-3703
732-585-4400 • Fax 732-225-7037
www.westonsolutions.com

REMOVAL SUPPORT TEAM 2
EPA CONTRACT EP-W-06-072

January 22, 2007

Mr. Dan Harkay, On-Scene Coordinator
U.S. Environmental Protection Agency, Region II
Removal Action Branch
2890 Woodbridge Avenue
Edison, New Jersey 08837

EPA CONTRACT NO: EP-W-06-072
TECHNICAL DIRECTION DOCUMENT NUMBER: TO-0001-0005
DOCUMENT CONTROL NUMBER: RST2-02-F-0126
SUBJECT: NL INDUSTRIES PRINCETON AVENUE SOIL SAMPLING REPORT, NL INDUSTRIES INC. / BUFFALO PLANT SITE, VILLAGE OF DEPEW, ERIE COUNTY, NEW YORK

Dear Mr. Harkay:

Enclosed please find the NL Industries Princeton Avenue Soil Sampling Report for the sampling conducted at the NL Industries Inc. / Buffalo Plant Site on April 26 and 27, 2005, and July 6 and 7, 2005. If you have any questions or comments, please contact me at (732) 585-4423.

908 - 565 2978

Sincerely,

WESTON SOLUTIONS, INC.

Jennifer Syl for T. Kish

Terry Kish
Site Project Manager

Enclosure

cc: TDD File No. TO-0001-0005

Princeton Avenue Soil Sampling Report

NL Industries Site
Village of Depew
Erie County, New York

April 26 and 27, 2005
July 6 and 7, 2005

Prepared for:

U.S. EPA Region II
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

Prepared By:

Weston Solutions, Inc.
Federal Programs Division
Region II Removal Support Team 2
Edison, NJ 08837

DCN No.: RST 2-02-F-0126
EPA Contract No.: EP-W-06-072

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PRINCETON AVENUE SOIL SAMPLING REPORT

SITE NAME: NL Industries Inc. \ Buffalo Plant Site
DCN: RST 2-02-F-0126
TDD No.: TO-0001-0005

1.0 Site Background

NL Industries Inc. operated a brass foundry at 3421 Walden Avenue, Depew, New York from 1892 until 1972. In 1974, NL Industries sold the foundry property to Anglo-Recycling Corporation. The property is now used by Metro Waste Paper Recovery Inc., a division of The Cascades Group for paper recycling. Various operations at the foundry resulted in lead contamination of the NL property surrounding the facility. The lead contamination of the downwind residential properties was a result of emissions from the foundry processes containing lead, and the evolution of lead-contaminated dust from the NL property. Migration of these emissions off-site resulted in elevated lead levels in the downwind residential neighborhood located to the northeast.

NL Industries retained the services of Efficasey Environmental, LLC to coordinate environmental sampling in the neighborhood adjacent to the Depew facility. Efficasey Environmental retained XCG Consultants to conduct the sampling in the areas of concern. Soil sampling investigations conducted by XCG Consultants in June 1999, August 2001, and April 2002, confirmed the presence of lead in surface and subsurface soils at the adjacent residential properties. The results for lead in surface soil samples from the June 1999 investigation ranged from 400 mg/kg to 1,400 mg/kg. The results for lead in surface soil samples from the August 2001 investigation ranged from 73 mg/kg to 5,300 mg/kg. The results for lead in surface and subsurface soil samples from the April 2002, investigation ranged from 18 mg/kg to 1,200 mg/kg.

On August 8, 2002, NL Industries submitted a Remedial Action Plan to the New York State Department of Environmental Conservation (NYSDEC) to address the lead-contaminated soil found on the residential properties. Negotiations between the NYSDEC and NL Industries failed to reach an agreement and remediation of the residential properties was not initiated. Since NYSDEC was unable to enter into an enforceable agreement with NL Industries, the residential remediation was referred to the United States Environmental Protection Agency (EPA) for a Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) removal action. NYSDEC has retained authority over the remediation activities proposed for the former facility property.

On October 21, 2003, EPA met with the NYSDEC for a project briefing and a site visit. Following the site meeting with the NYSDEC, EPA drafted an Administrative Order on Consent (AOC) and entered into negotiations with NL Industries. On September 26, 2004, the AOC was signed by NL Industries and executed by the Regional Administrator on September 29, 2004. As a result of the AOC, NL Industries would continue to delineate the contamination within the area bound by Transit Road, Walden, Princeton, and Harvard Avenues. The AOC also directed NL Industries to remediate the lead-contaminated residential properties to cleanup goal of 400 mg/kg.

On June 1, 2005, NL Industries mobilized remediation contractors Environmental Restoration Inc., (ERI) and Engineering Consultant Advanced GeoServices Corporation (AGC) to initiate the removal action and complete delineation of the lead contamination.

As a result of concerns expressed by four local residents living adjacent to the areas of contamination slated for remediation by NL Industries, EPA agreed to conduct additional soil sampling at these six properties. In order to confirm that delineation of the lead contamination was complete, five additional properties were selected to be sampled which lie in the area surrounding the site. On April 25, 2005, EPA and the Region II Removal Support Team (RST) mobilized to the site to conduct the additional sampling. On April 26 and April 27, 2005, RST collected soil samples from 34, 40, 44, 67, 87 and 137 Princeton Avenue as well as from 26, 34 and 56 Tyler Street. For the purpose of this report, only the results of sampling conducted on Princeton Avenue will be discussed.

2.0 Site Location

The former NL Industries brass foundry is located at 3421 Walden Avenue, Depew, New York. The former facility is located to the south of Walden Avenue and west of the intersection of Walden Avenue and Transit Road. To the north of the facility, across Walden Avenue, lies the residential neighborhood which included the 37 properties remediated as a result of the AOC signed by NL Industries in September 2004. This AOC defined the site boundaries as Walden Avenue to the south, Harvard Avenue to the north, and Transit Road to the east. Figure 2, Attachment B identifies the locations of the six properties sampled along Princeton Avenue.

3.0 Sampling Dates and Personnel

Sampling Event No.	Sampling Event Dates	Affiliation	Personnel
1	April 26 and 27, 2005	EPA	Dan Harkay
		EPA	Irmgard Lopez
		RST	Terry Kish
		RST	Steve Cannon
2	July 6 and 7, 2005	EPA	Dan Harkay
		RST	Terry Kish

4.0 Methodology and Design

4.1 Sampling Design

NL Industries contracted AGC to design and monitor the removal action in accordance with the AOC. In April 2005, EPA approved the sampling design proposed by AGC for performing additional delineation sampling on residential properties at the site in accordance with the AOC. The sampling design was based on the *EPA Superfund Lead-Contaminated Residential Sites Handbook.* The handbook recommends that composite

sampling be performed by dividing each residential property into quadrants. Properties greater than 5,000 ft^2 should be divided into four quadrants. Properties less than 5,000 ft^2 should be divided into two quadrants. Two, five-point composite samples should be collected from each quadrant; one sample from the 0-6 inch interval, and one sample from the 6-12 inch interval. In addition, one, four-point composite sample should be collected from the drip zone of the residence. The drip zone is defined as the area within 36 inches of the residence. One aliquot should be collected from each side of the residence and combined as a single composite sample. This should be performed at both sampling intervals as described above.

In the modified sampling design, AGC proposed eliminating the dedicated drip zone composite samples, and incorporating the drip zone into the other sampling quadrants as described above. Whenever possible, two aliquots from the five-point composite samples were collected from the drip zone of the residence. This modification was approved by EPA and adopted as the sampling method used by RST to collect soil samples throughout the delineation process.

Stainless steel augers were utilized to collect surface and subsurface soil samples. A stainless steel trowel or spade was used to cut the sod at each aliquot location. Soil was removed from the root mass of the sod at each location so that the entire soil interval would be captured. The aliquots were combined on dedicated 2 foot by 2 foot poly-sheets and homogenized using dedicated disposable plastic scoops and nitrile gloves. A representative four-ounce sample was then collected following homogenization.

4.2 Sampling Equipment and Decontamination

Stainless steel augers were utilized to collect surface and subsurface samples. A stainless steel trowel or spade was used to cut the sod at each aliquot location. Augers were not decontaminated between sample aliquot locations within the same quadrant, but were decontaminated between each composite sample. Decontamination was performed in accordance with EPA/ERT SOP# 2006 *Sampling Equipment Decontamination*, with the exception of the use of a nitric acid rinse. AGC proposed omitting the use of nitric acid due to the safety risks associated with handling corrosive chemicals. Following approval of this deviation from the SOP by EPA, RST adopted this deviation during sampling at the site.

4.3 Sampling Design Deviations

Due to variability in the layout of each residential property, the sampling design described above could not be applied at each property investigated. In some cases, permanent features such as driveways, sidewalks, and patios immediately adjacent to the residence prevented aliquots from the drip zone from being collected on one or more sides of the residence. In other cases, extensive landscaping around the exterior of the house prevented the collection of aliquot samples in the drip zone due to a significant amount of imported material such as potting soil, topsoil, or mulch. In most cases, these areas were not sampled in order to correctly characterize the soil conditions at the site which could have been affected over time by the aerial deposition of lead-containing

dust. Field decisions were made to collect aliquots inside landscaped areas when the soil appeared to be native or comprised a significant portion of the lawn.

4.4 Re-Sampling

Lead concentrations at the six properties (22 quadrants) were below the site clean-up goal of 400 mg/kg with the exception of two quadrants at 40 Princeton Ave and two quadrants at 44 Princeton Ave. These elevated lead results were re-evaluated since they were not consistent with prior delineation. No samples between the known source and these properties showed elevated lead concentrations. In addition, the atypical pattern of contamination at the nearly identical properties suggested other sources of lead may be present. At properties 40 and 44 Princeton Ave., quadrants 1 and 2 exhibited lead concentrations above the action level of 400 mg/kg. Even though the properties are adjacent, the contaminated quadrants do not adjoin. Historic lead based paint was considered as a potential source of the contamination due to the layout of the properties. More drip zone aliquots were collected from quadrants 1 and 2 than quadrant 3 and 4 at both 40 and 44 Princeton Ave. The sampling variation was a result of the asphalt driveways and landscaping at each property which prevented some drip zone aliquots from being collected in quadrants three and four. In an effort to determine if the drip zone aliquots were responsible for the elevated lead concentrations in quadrants one and two, additional sampling was performed.

In order to re-characterize the quadrants, the aliquot locations were colocated, however the four drip zone aliquots were composited together as one sample. The remaining three aliquots from quadrant 1 were composited as one sample and the same was done for the remaining three aliquots collected from quadrant two. Results obtained following this sampling event exhibited a significant increase in lead concentration within the drip zone and showed a significant decrease outside of the drip zone.

5.0 Sample Management and Dispatch

RST utilized EPA's Scribe sample management software to document and manage sample information. Scribe was utilized to generate sample labels and chain of custody records. Sample information was captured on sample labels and entered into the field log book. All samples collected during the two sampling events were stored on ice and under chain of custody. The samples collected during the April sampling event were hand-delivered to the EPA Region II Laboratory on April 28, 2005 for total lead analysis. Samples collected during the July sampling event were shipped under FedEx Airbill No. 8531 5293 6505 to the EPA Region II Laboratory for total lead analysis. FedEx Airbills and chain of custody records are provided as Attachment C.

6.0 Quality Assurance / Quality Control

During both sampling events, samples were collected both on Princeton Avenue and Tyler Street. Sampling information regarding the Tyler Street samples has been included in the NL Industries Residential Lead Delineation Report, DCN: RST2-02-F-0048, dated October 13, 2006.

One duplicate sample and one Matrix Spike and Matrix Spike Duplicate (MS/MSD) sample was collected at a rate of one per twenty samples. Table 1 compares duplicate results collected at the Princeton Avenue locations. Duplicate samples were collected to verify sample homogeneity and collection method. RPD was calculated using the following formula:

$$RPD = \left| \left[(Sample - Duplicate) / ((Sample + Duplicate) / 2) \right] * 100 \right|$$

The RPD for the duplicate results ranged from 0.6 - 26.2%. The average RPD for all of the duplicate results was 8.8%. This verifies that the samples were well homogenized. Equipment rinsate blanks were collected at a rate of one per day. Lead was not detected in any of the rinsate blanks. All analytical results were validated by the EPA Region II Laboratory. A copy of the validated results is included in Attachment D.

Table-1: Comparison of Duplicate Results

Sample ID	Analysis Date	Lead Concentration, mg/kg	RPD
PRIN44-S-3	4/28/2005	150	26.2%
PRIN44-S-33	4/28/2005	480	
PRIN44-SS-1	4/28/2005	150	8.3%
PRIN44-SS-11	4/28/2005	210	
TYLE56-SS-2	4/28/2005	370	2.6%
TYLE56-SS-22	4/28/2005	410	
TYLE34-S-1	4/28/2005	1900	9.4%
TYLE34-S-11	4/28/2005	1300	
16TYLE-S-2	7/11/2005	760	5.5%
16TYLE-S-22	7/11/2005	610	
44PRIN-S-DZ	7/11/2005	4200	0.6%
45PRIN-S-DZ	7/11/2005	4300	

7.0 Analytical Results and Discussion

Attachment A, Table 2 includes the sample collection information and validated analytical results for the April and July 2005 sampling events. Attachment B includes figures of each of the six properties sampled. Total lead concentrations have been depicted on each figure. Based on the re-sampling that was performed at 40 Princeton Avenue and 44 Princeton Avenue, EPA has concluded that the elevated levels of lead in the drip zone in close proximity of each house is likely associated with the historic application of lead paint. Lead concentrations at all other properties along Princeton Avenue were below the site action level of 400 mg/kg.

Report prepared by: Jon T. Kish 1/23/07

Terry Kish
RST 2 Group Leader

Date

Report reviewed by: Jennifer Sy 1/23/07

Jennifer Sy
RST 2 Readiness Coordinator

Date

Attachment A:

Table 2 Sample Collection Information and Results for Princeton Ave.

Table 2
Sample Information and Results for Princeton Ave.
NL Industries / Depew Plant SIte
Princeton Avenue

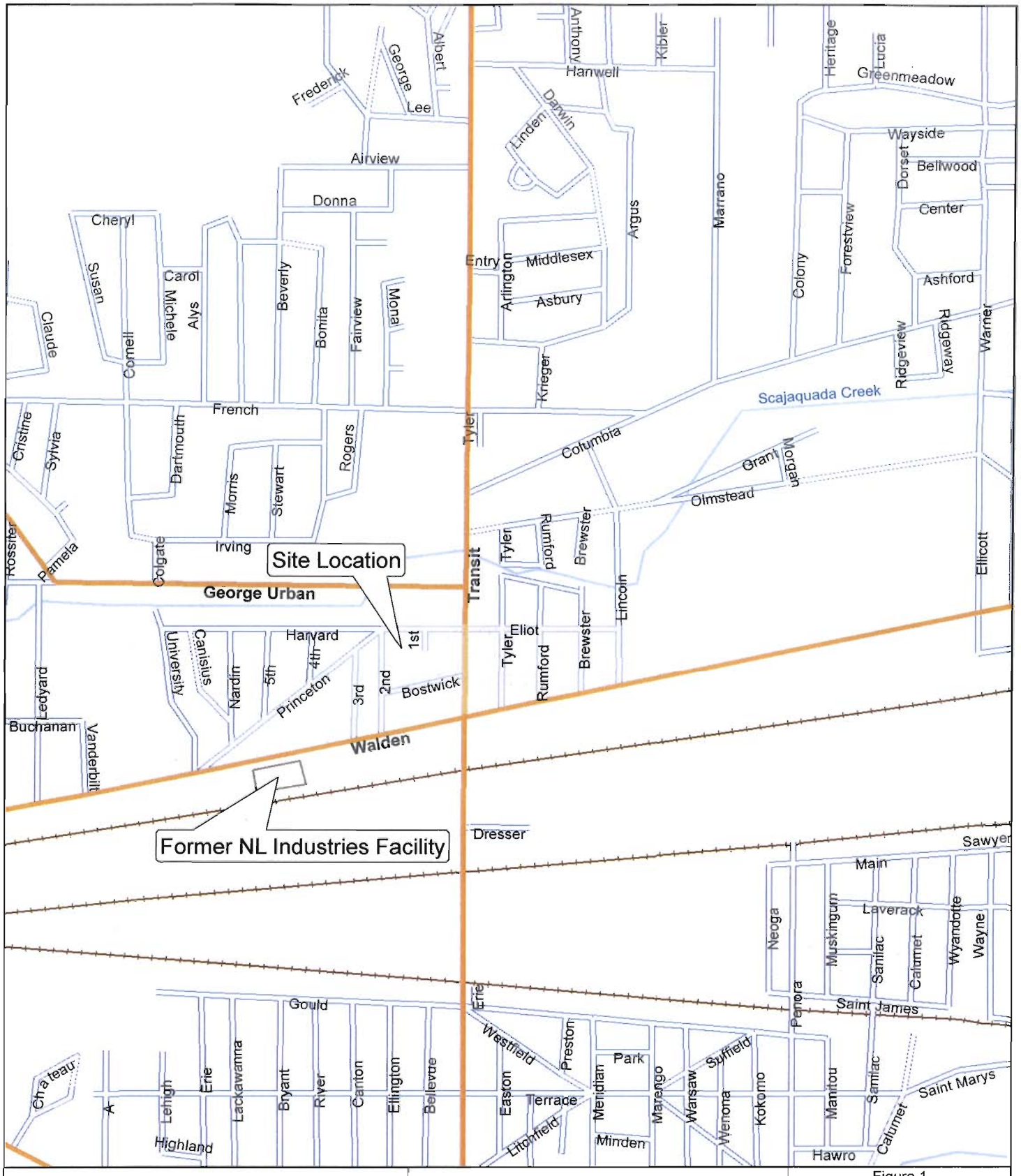
Station ID	Sample ID	Result	Units	Interval	Address	Sample Date	Sample Time	QA/QC
PRIN34-S-1	UM-0001	69	mg/kg	0-6"	34 Princeton Ave.	4/26/2005	1200	- - -
PRIN34-S-2	UM-0002	84	mg/kg	0-6"	34 Princeton Ave.	4/26/2005	1240	- - -
PRIN34-S-3	UM-0003	35	mg/kg	0-6"	34 Princeton Ave.	4/26/2005	1330	- - -
PRIN34-S-4	UM-0004	88	mg/kg	0-6"	34 Princeton Ave.	4/26/2005	1125	- - -
PRIN34-SS-1	UM-0005	73	mg/kg	6-12"	34 Princeton Ave.	4/26/2005	1225	- - -
PRIN34-SS-2	UM-0006	73	mg/kg	6-12"	34 Princeton Ave.	4/26/2005	1300	- - -
PRIN34-SS-3	UM-0007	46	mg/kg	6-12"	34 Princeton Ave.	4/26/2005	1400	- - -
PRIN34-SS-4	UM-0008	56	mg/kg	6-12"	34 Princeton Ave.	4/26/2005	1205	- - -
PRIN40-S-1	UM-0009	720	mg/kg	0-6"	40 Princeton Ave.	4/26/2005	0925	- - -
PRIN40-S-2	UM-0010	410	mg/kg	0-6"	40 Princeton Ave.	4/26/2005	0945	- - -
PRIN40-S-3	UM-0011	140	mg/kg	0-6"	40 Princeton Ave.	4/26/2005	1012	- - -
PRIN40-S-4	UM-0012	84	mg/kg	0-6"	40 Princeton Ave.	4/26/2005	0915	MS/MSD
PRIN40-SS-1	UM-0013	900	mg/kg	6-12"	40 Princeton Ave.	4/26/2005	1020	- - -
PRIN40-SS-2	UM-0014	1,400	mg/kg	6-12"	40 Princeton Ave.	4/26/2005	1055	- - -
PRIN40-SS-3	UM-0015	46	mg/kg	6-12"	40 Princeton Ave.	4/26/2005	1120	- - -
PRIN40-SS-4	UM-0016	240	mg/kg	6-12"	40 Princeton Ave.	4/26/2005	0955	- - -
PRIN44-S-1	UM-0017	1,200	mg/kg	0-6"	44 Princeton Ave.	4/26/2005	1340	- - -
PRIN44-S-2	UM-0018	1,000	mg/kg	0-6"	44 Princeton Ave.	4/26/2005	1358	- - -
PRIN44-S-3	UM-0019	150	mg/kg	0-6"	44 Princeton Ave.	4/26/2005	1440	- - -
PRIN44-S-33	UM-0020	480	mg/kg	0-6"	44 Princeton Ave.	4/26/2005	1441	Duplicate of PRIN44-S-3
PRIN44-S-4	UM-0021	120	mg/kg	0-6"	44 Princeton Ave.	4/26/2005	1310	- - -
PRIN44-SS-1	UM-0022	150	mg/kg	6-12"	44 Princeton Ave.	4/26/2005	1410	- - -
PRIN44-SS-11	UM-0023	210	mg/kg	6-12"	44 Princeton Ave.	4/26/2005	1412	Duplicate of PRIN44-SS-1
PRIN44-SS-2	UM-0024	74	mg/kg	6-12"	44 Princeton Ave.	4/26/2005	1500	MS/MSD
PRIN44-SS-3	UM-0025	110	mg/kg	6-12"	44 Princeton Ave.	4/26/2005	1510	- - -
PRIN44-SS-4	UM-0026	36	mg/kg	6-12"	44 Princeton Ave.	4/26/2005	1535	- - -
PRIN67-S-1	UM-0027	82	mg/kg	0-6"	67 Princeton Ave.	4/26/2005	1635	- - -
PRIN67-S-2	UM-0028	280	mg/kg	0-6"	67 Princeton Ave.	4/26/2005	1655	- - -
PRIN67-SS-1	UM-0029	86	mg/kg	6-12"	67 Princeton Ave.	4/26/2005	1652	- - -
PRIN67-SS-2	UM-0030	140	mg/kg	6-12"	67 Princeton Ave.	4/26/2005	1725	- - -

Table 2
Sample Information and Results for Princeton Ave.
NL Industries / Depew Plant SIte
Princeton Avenue

Station ID	Sample ID	Result	Units	Interval	Address	Sample Date	Sample Time	QA/QC
PRIN87-S-1	UM-0031	120	mg/kg	0-6"	87 Princeton Ave.	4/26/2005	1810	- - -
PRIN87-S-2	UM-0032	200	mg/kg	0-6"	87 Princeton Ave.	4/26/2005	1840	- - -
PRIN87-S-3	UM-0033	140	mg/kg	0-6"	87 Princeton Ave.	4/26/2005	1920	- - -
PRIN87-S-4	UM-0034	240	mg/kg	0-6"	87 Princeton Ave.	4/26/2005	1755	- - -
PRIN87-SS-1	UM-0035	78	mg/kg	6-12"	87 Princeton Ave.	4/26/2005	1835	- - -
PRIN87-SS-2	UM-0036	180	mg/kg	6-12"	87 Princeton Ave.	4/26/2005	1910	- - -
PRIN87-SS-3	UM-0037	110	mg/kg	6-12"	87 Princeton Ave.	4/26/2005	1940	- - -
PRIN87-SS-4	UM-0038	57	mg/kg	6-12"	87 Princeton Ave.	4/26/2005	1815	- - -
RB-42605	UM-0039	<7	ug/L	NA	NA	4/26/2005	1920	Rinsate Blank
PRIN137-S-1	UM-0040	130	mg/kg	0-6"	137 Princeton Ave.	4/27/2005	0820	- - -
PRIN137-S-2	UM-0041	150	mg/kg	0-6"	137 Princeton Ave.	4/27/2005	0845	- - -
PRIN137-S-3	UM-0042	160	mg/kg	0-6"	137 Princeton Ave.	4/27/2005	0840	- - -
PRIN137-S-4	UM-0043	110	mg/kg	0-6"	137 Princeton Ave.	4/27/2005	0820	- - -
PRIN137-SS-1	UM-0044	95	mg/kg	6-12"	137 Princeton Ave.	4/27/2005	0840	- - -
PRIN137-SS-2	UM-0045	61	mg/kg	6-12"	137 Princeton Ave.	4/27/2005	0855	- - -
PRIN137-SS-3	UM-0046	99	mg/kg	6-12"	137 Princeton Ave.	4/27/2005	0850	- - -
PRIN137-SS-4	UM-0047	26	mg/kg	6-12"	137 Princeton Ave.	4/27/2005	0830	- - -
RB-42705	UM-0068	<7	ug/L	NA	NA	4/27/2005	1415	Rinsate Blank
40PRIN-S-1A	NA	71	mg/kg	0-6"	40 Princeton Ave.	7/7/2005	1412	- - -
40PRIN-SS-1A	NA	45	mg/kg	6-12"	40 Princeton Ave.	7/7/2005	1425	- - -
40PRIN-S-2A	NA	83	mg/kg	0-6"	40 Princeton Ave.	7/7/2005	1518	- - -
40PRIN-SS-2A	NA	53	mg/kg	6-12"	40 Princeton Ave.	7/7/2005	1532	- - -
40PRIN-S-DZ	NA	2400	mg/kg	0-6"	40 Princeton Ave.	7/7/2005	1455	- - -
40PRIN-SS-DZ	NA	930	mg/kg	6-12"	40 Princeton Ave.	7/7/2005	1500	- - -
44PRIN-S-DZ	NA	4200	mg/kg	0-6"	44 Princeton Ave.	7/7/2005	1641	- - -
44PRIN-SS-DZ	NA	500	mg/kg	6-12"	44 Princeton Ave.	7/7/2005	1707	- - -
44PRIN-S-1A	NA	80	mg/kg	0-6"	44 Princeton Ave.	7/7/2005	1605	- - -
44PRIN-SS-1A	NA	50	mg/kg	6-12"	44 Princeton Ave.	7/7/2005	1610	- - -
44PRIN-S-2A	NA	520	mg/kg	0-6"	44 Princeton Ave.	7/7/2005	1730	- - -
44PRIN-SS-2A	NA	210	mg/kg	6-12"	44 Princeton Ave.	7/7/2005	1732	- - -
RB-70705	NA	<7	ug/L	NA	NA	7/7/2005	1800	Rinsate Blank

Attachment B: Site Figures

- Figure 1: Site Location Map
- Figure 2: Aerial Location Map
- Figure 3: 34 Princeton Avenue
- Figure 4: 40 Princeton Avenue
- Figure 5: 40 Princeton Avenue - Resampling
- Figure 6: 44 Princeton Avenue
- Figure 7: 44 Princeton Avenue - Resampling
- Figure 8: 67 Princeton Avenue
- Figure 9: 87 Princeton Avenue
- Figure 10:137 Princeton Avenue



Weston Solutions, Inc.
Federal Programs Division

IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC AND
SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.

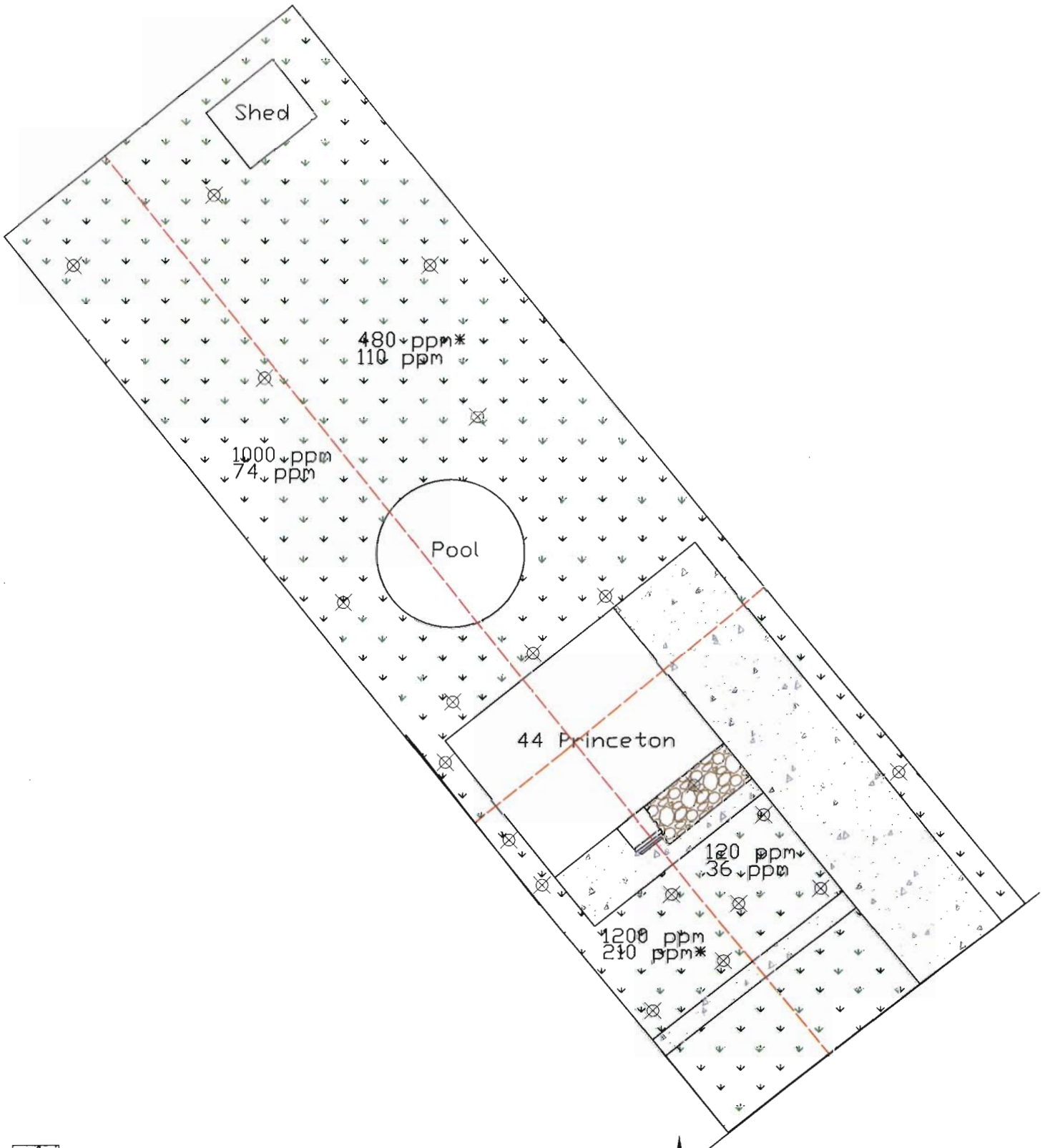
10/17/2006

Figure 1
Site Location Map

NL Industries Site
Depew, New York

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DRAWN BY:	F. CAMPBELL
EPA OSC:	D. HARKAY
RST SPM:	T. KISH



CONCRETE OR ASPHALT SURFACE

GRASSY AREA

FLOWER BED OR LANDSCAPED AREA

EPA DEFINED SAMPLING QUADRANTS

COMPOSITE SAMPLE COLLECTION LOCATION

123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (0-6")

123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (6-12")

GRAPHIC SCALE

18 0 18 36 FEET

1 " = 18'

* DUPLICATE SAMPLES COLLECTED, HIGHEST RESULT SHOWN

FIGURE 6
NL INDUSTRIES DEPEW PLANT SITE
DELINEATION SAMPLING RESULTS
44 PRINCETON AVENUE, DEPEW, NY
SAMPLES COLLECTED 4-26-05

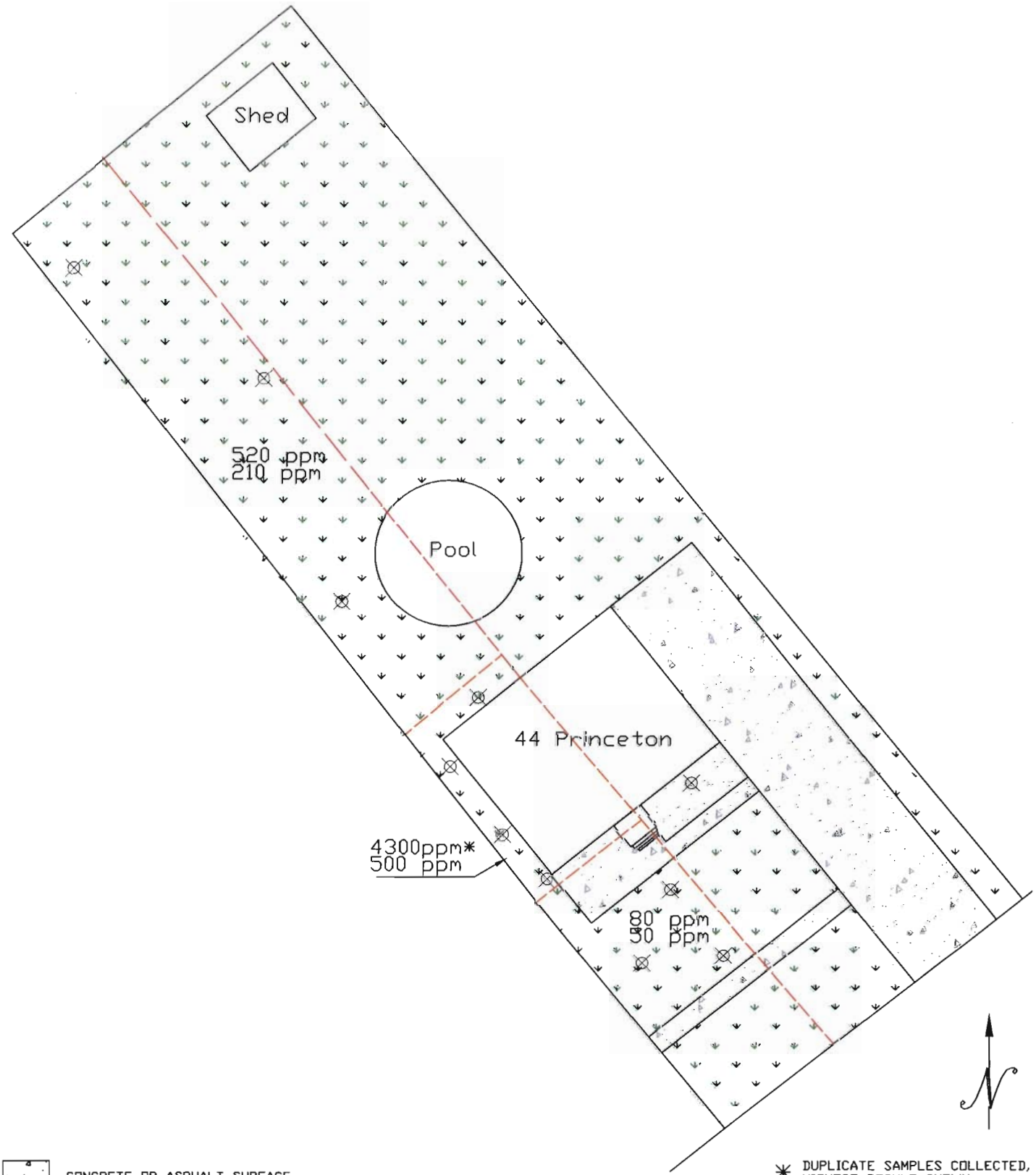
Weston Solutions, Inc.
Federal Programs Division

IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC.,
SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.,

US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM
CONTRACT # EP-W-05-072

DRAWN BY: T. KISH
EPA OSC: DAN HARKAY
RST SPM: T. KISH
FILE: DEPEW DETAIL.DWG TAB: 44 PRIN

DATE MODIFIED 01-11-07



CONCRETE OR ASPHALT SURFACE

GRASSY AREA

FLOWER BED OR LANDSCAPED AREA

EPA DEFINED SAMPLING QUADRANTS

COMPOSITE SAMPLE COLLECTION LOCATION

123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (0-6")

123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (6-12")

GRAPHIC SCALE

18 0 18 36 FEET

1 " = 18'

* DUPLICATE SAMPLES COLLECTED, HIGHEST RESULT SHOWN

FIGURE 7
NL INDUSTRIES DEPEW PLANT SITE
DELINEATION RESAMPLING RESULTS
44 PRINCETON AVENUE, DEPEW, NY
SAMPLES COLLECTED 7-7-05

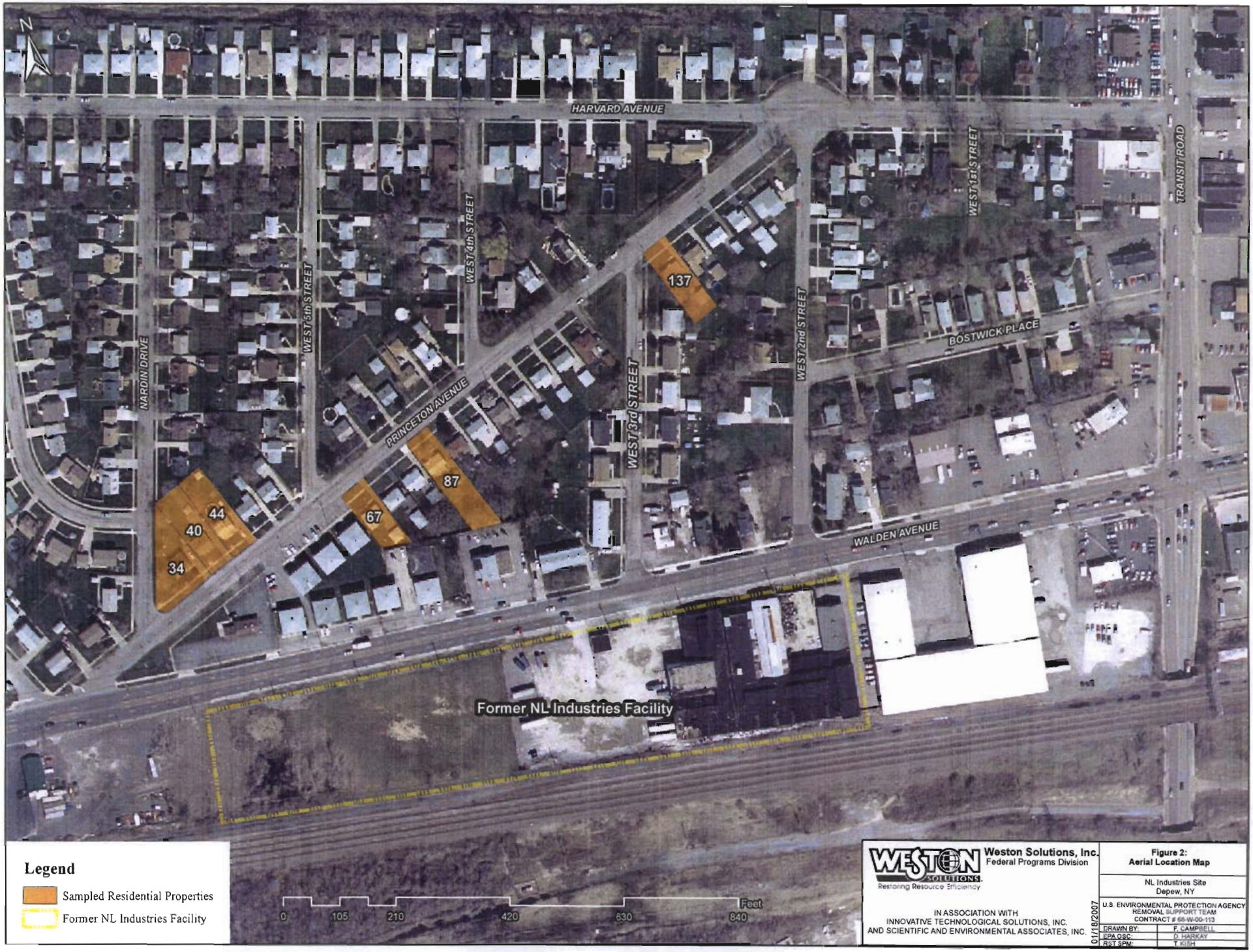
Weston Solutions, Inc.
Federal Programs Division

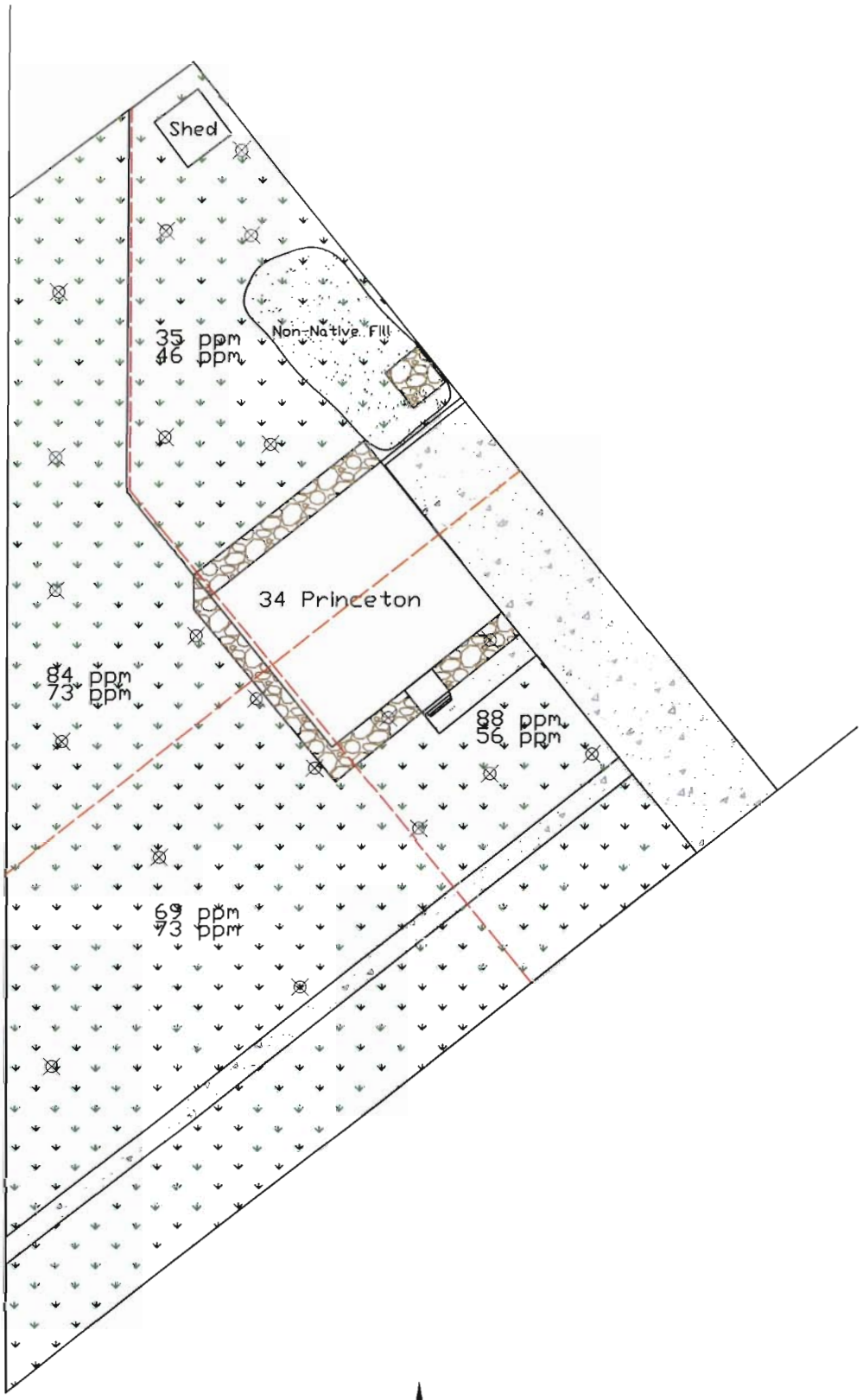
IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC.,
SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.,

US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM
CONTRACT # EP-W-06-072

DRAWN BY: T. KISH
EPA OSC: DAN HARKAY
RST SPM: T. KISH
FILE: DEPEW DETAIL.DWG TAB: 44 PRIN RE

DATE MODIFIED 01-11-07


N
HARVARD AVENUE
WEST 5th STREET
WEST 4th STREET
WEST 3rd STREET
WEST 2nd STREET
WEST 1st STREET
TRANSIT ROAD
NARDIN DRIVE
PRINCETON AVENUE
BOSTWICK PLACE
WALDEN AVENUE
137
87
67
44
40
34
Former NL Industries Facility
Legend
Sampled Residential Properties
Former NL Industries Facility
0
105
210
420
630
840
Feet
Weston Solutions, Inc.
Federal Programs Division
Restoring Resource Efficiency
IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC.
AND SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.
Figure 2:
Aerial Location Map
NL Industries Site
Depew, NY
U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM
CONTRACT # 68-W-00-113
01/16/2007
DRAWN BY: F. CAMPBELL
EPA OSC: D. HARKAY
RST SPM: T. KISH



CONCRETE OR ASPHALT SURFACE

GRASSY AREA

FLOWER BED OR LANDSCAPED AREA

EPA DEFINED SAMPLING QUADRANTS

COMPOSITE SAMPLE COLLECTION LOCATION

123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (0-6')

123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (6-12')

GRAPHIC SCALE

23 0 23 46 FEET

1 " = 23'

FIGURE 3
NL INDUSTRIES DEPEW PLANT SITE
DELINEATION SAMPLING RESULTS
34 PRINCETON AVENUE, DEPEW, NY
SAMPLES COLLECTED 4-25-05

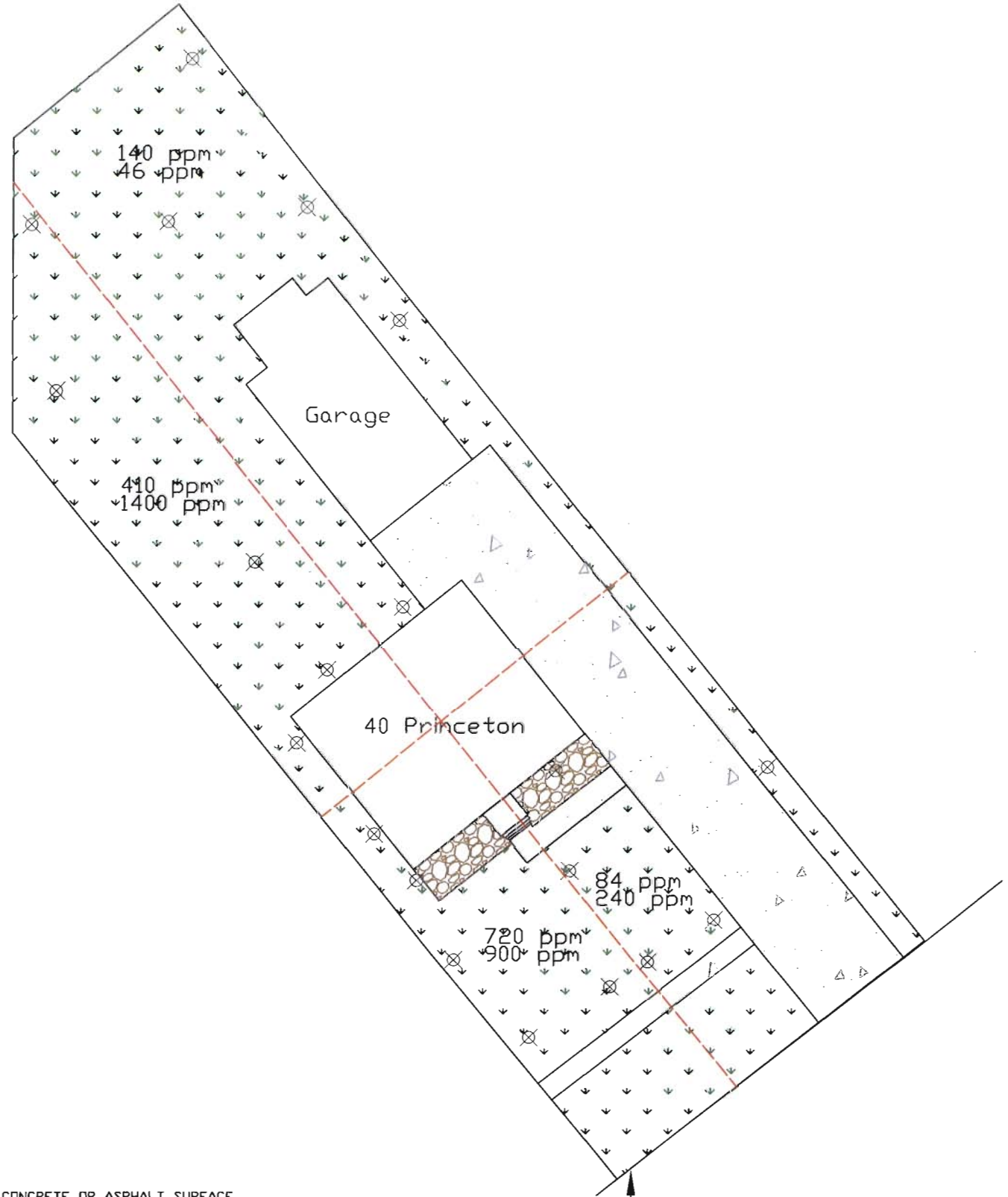
US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM
CONTRACT # EP-W-06072

Weston Solutions, Inc.
Federal Programs Division

IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC.,
SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.,

DRAWN BY: T. KISH
EPA QSC: DAN HARKAY
RST SPM: T. KISH
FILE: DEPEW DETAIL.DWG TAB: 34 PRIN

DATE MODIFIED 01-11-07



CONCRETE OR ASPHALT SURFACE

GRASSY AREA

FLOWER BED OR LANDSCAPED AREA

— — — — EPA DEFINED SAMPLING QUADRANTS

COMPOSITE SAMPLE COLLECTION LOCATION

123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (0-6")
123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (6-12")

GRAPHIC SCALE
20 0 20 40 FEET
1 " = 20'

FIGURE 4
NL INDUSTRIES DEPEW PLANT SITE
DELINEATION SAMPLING RESULTS
40 PRINCETON AVENUE, DEPEW, NY
SAMPLES COLLECTED 4-26-05

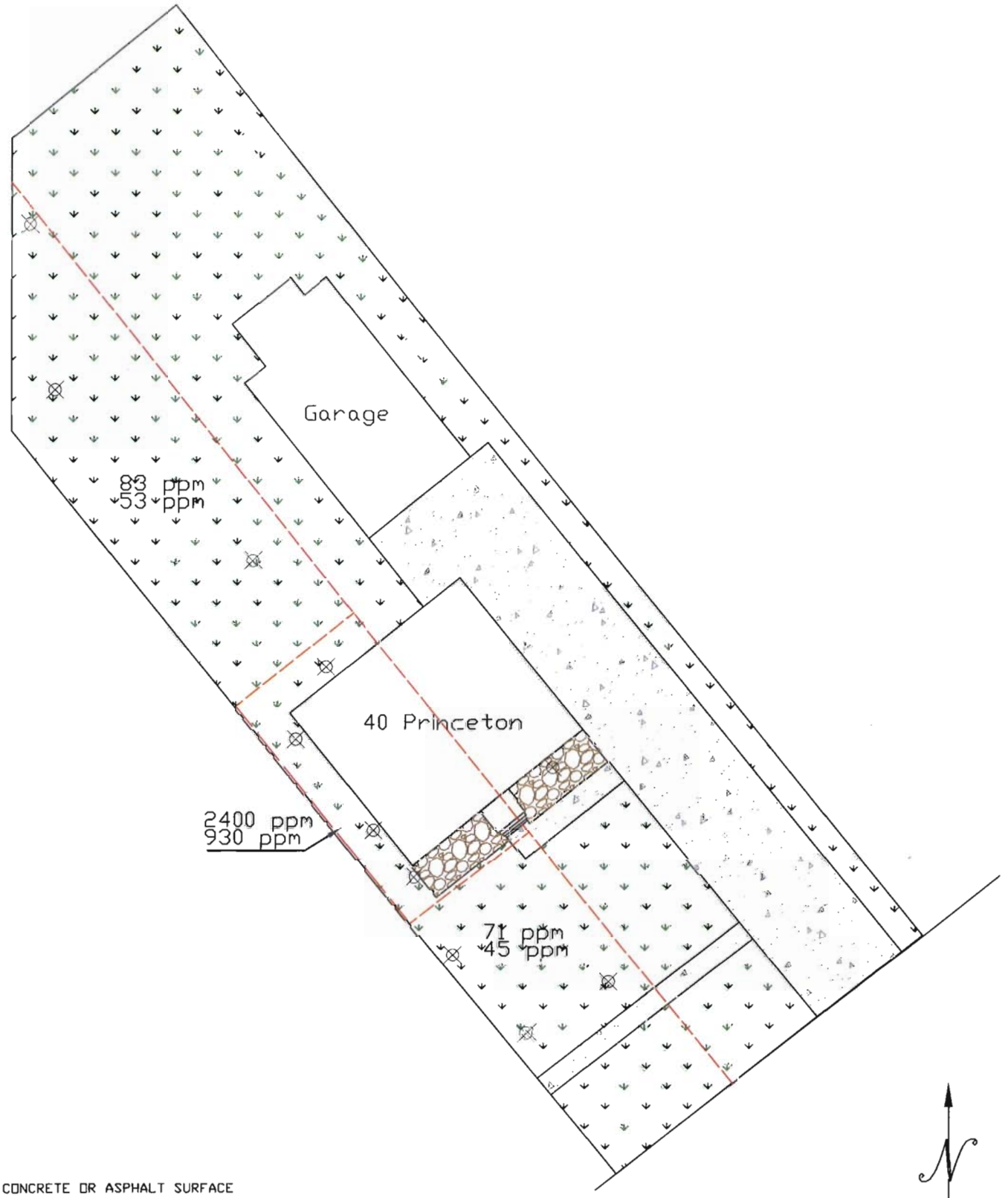
Weston Solutions, Inc.
Federal Programs Division

IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC.,
SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.,

US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DRAWN BY: T. KISH
EPA OSC: DAN HARKAY
RST SPM: T. KISH
FILE: DEPEW DETAIL.DWG TAB: 40 PRIN

DATE MODIFIED 01-11-07



CONCRETE OR ASPHALT SURFACE

GRASSY AREA

FLOWER BED OR LANDSCAPED AREA

EPA DEFINED SAMPLING QUADRANTS

COMPOSITE SAMPLE COLLECTION LOCATION

123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (0-6")
123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (6-12")

GRAPHIC SCALE
20 0 20 40 FEET
1 " = 20'

FIGURE 5
NL INDUSTRIES DEPEW PLANT SITE
DELINEATION RESAMPLING RESULTS
40 PRINCETON AVENUE, DEPEW, NY
SAMPLES COLLECTED 7-07-05

Weston Solutions, Inc.
Federal Programs Division
IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC.,
SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.,

US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 2
CONTRACT # EP-W-06-072

DRAWN BY: T. KISH
EPA OSC: DAN HARKAY
RST SPM: T. KISH
FILE: DEPEW DETAIL.DWG TAB: 40 PRIN RE

DATE MODIFIED 01-11-07

CONCRETE OR ASPHALT SURFACE

GRASSY AREA

FLOWER BED OR LANDSCAPED AREA

EPA DEFINED SAMPLING QUADRANTS

COMPOSITE SAMPLE COLLECTION LOCATION

123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (0-6")

123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (6-12")

GRAPHIC SCALE

25 0 25 50 FEET

1 " = 25'

FIGURE 8
NL INDUSTRIES DEPEW PLANT SITE
DELINEATION SAMPLING RESULTS
67 PRINCETON AVE, DEPEW, NY
SAMPLES COLLECTED 4-26-05

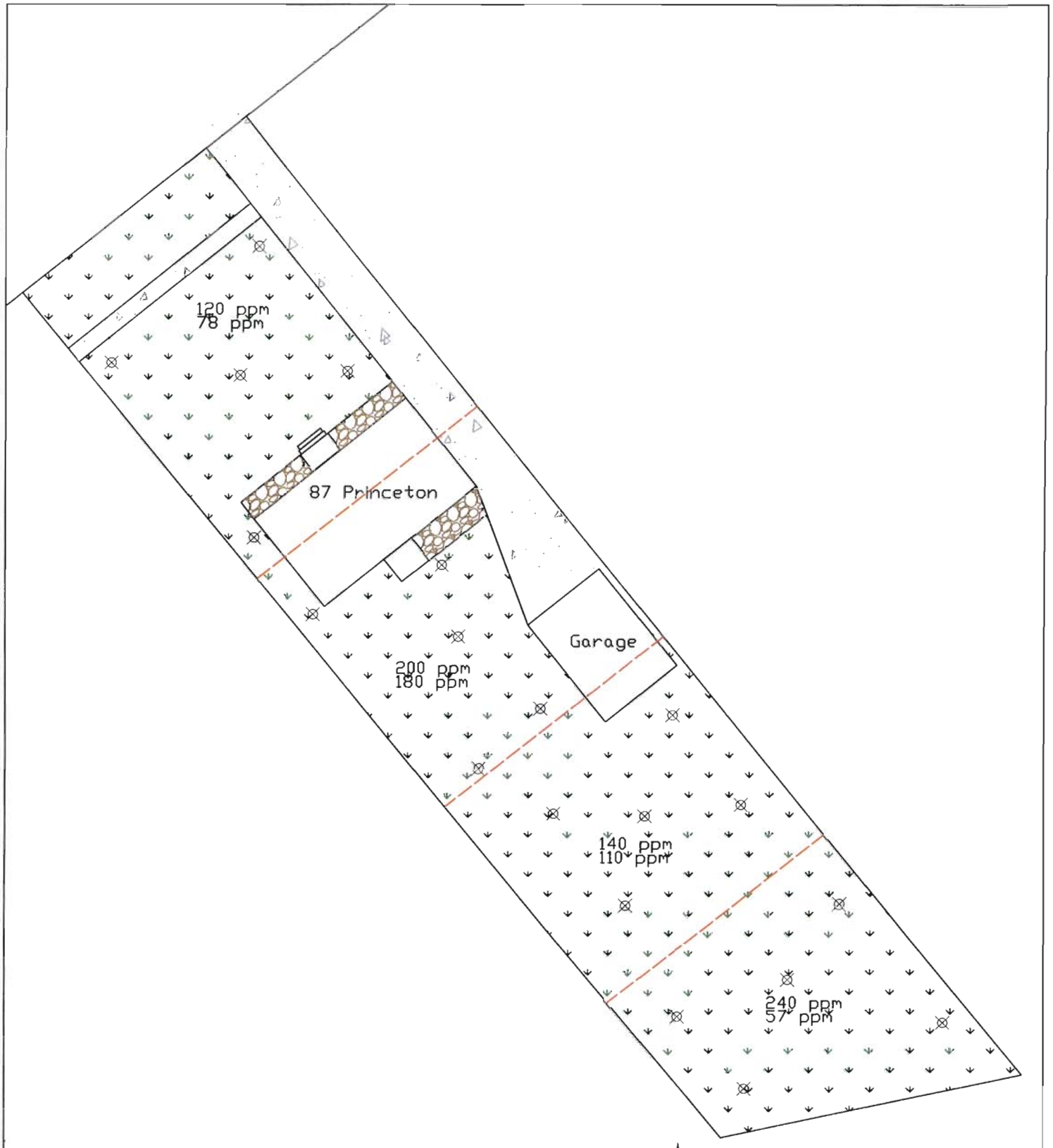
Weston Solutions, Inc.
Federal Programs Division

IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC.,
SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.,

US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM
CONTRACT # EP-W-06-072

DRAWN BY: T. KISH
EPA OSC: DAN HARKAY
RST SPM: T. KISH
FILE: DEPEW DETAIL.DWG TAB: 67 PRIN

DATE MODIFIED 01-11-07



CONCRETE OR ASPHALT SURFACE

GRASSY AREA

FLOWER BED OR LANDSCAPED AREA

EPA DEFINED SAMPLING QUADRANTS

COMPOSITE SAMPLE COLLECTION LOCATION

123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (0-6")

123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (6-12")

GRAPHIC SCALE

25 0 25 50 FEET

1 " = 25'

FIGURE 9
NL INDUSTRIES DEPEW PLANT SITE
DELINEATION SAMPLING RESULTS
87 PRINCETON AVE, DEPEW, NY
SAMPLES COLLECTED 4-26-05

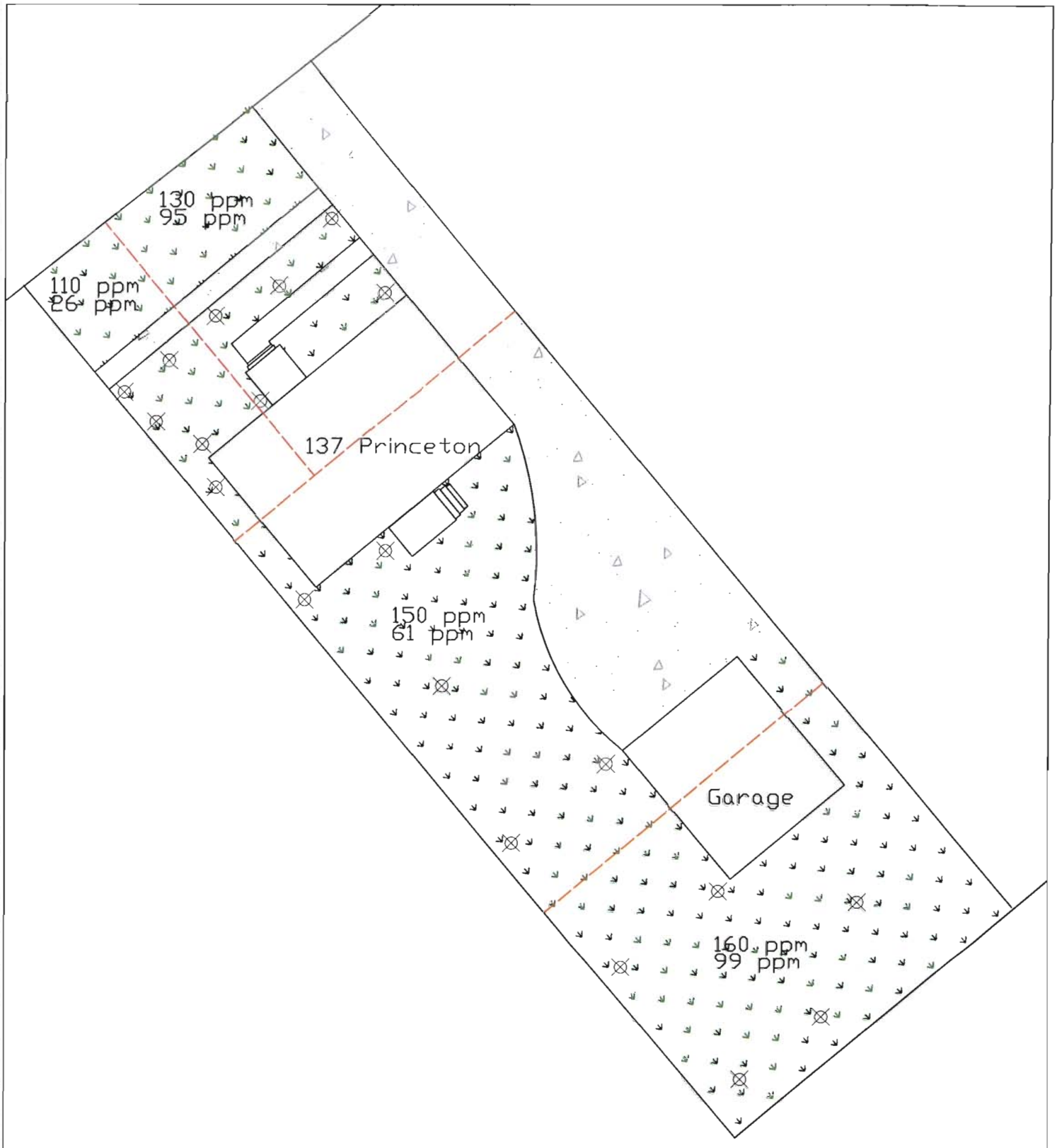
Weston Solutions, Inc.
Federal Programs Division

IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC.,
SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.,

US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM
CONTRACT # EP-W-06-072

DRAWN BY: T. KISH
EPA OSC: DAN HARKAY
RST SPM: T. KISH
FILE: DEPEW DETAIL.DWG TAB: 87 PRIN

DATE MODIFIED 01-11-07



CONCRETE OR ASPHALT SURFACE

GRASSY AREA

FLOWER BED OR LANDSCAPED AREA

— — — — EPA DEFINED SAMPLING QUADRANTS

COMPOSITE SAMPLE COLLECTION LOCATION

123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (0-6")
123 ppm LEAD CONCENTRATION FOR EACH QUADRANT (6-12")

GRAPHIC SCALE
15 0 15 30 FEET
1 " = 15'

FIGURE 10
NL INDUSTRIES DEPEW PLANT SITE
DELINEATION SAMPLING RESULTS
137 PRINCETON AVE, DEPEW, NY
SAMPLES COLLECTED 4-27-05

WESTON SOLUTIONS Restoring Resource Efficiency
Weston Solutions, Inc.
Federal Programs Division

IN ASSOCIATION WITH
INNOVATIVE TECHNOLOGICAL SOLUTIONS, INC.,
SCIENTIFIC AND ENVIRONMENTAL ASSOCIATES, INC.,

US ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM
CONTRACT # EP-W-06-072

DRAWN BY: T. KISH
EPA OSC: DAN HARKAY
RST SPM: T. KISH
FILE: DEPEW DETAIL.DWG TAB: 137 PRIN

DATE MODIFIED 01-11-07

Attachment C: Sample Dispatch Information

- FedEx Airbills
- Chain of Custody Records

FedEx Express **US Airbill**

FedEx Tracking Number **8531 5293 6505**

Sender's Copy

1 From *Please print and press hard.*

Date 7-8-05 Sender's FedEx Account Number 154581227

Sender's Name TERRY KISH Phone (908) 565-2978

Company WESTON SOLUTIONS, INC

Address 1090 KING GEORGES POST RD Suite 201 (Dept/Floor/Suite/Room)

City EDISON State NJ ZIP 08837

2 Your Internal Billing Reference First 24 characters will appear on invoice.

20301 086402 OPTIONAL 5379

3 To

Recipient's Name JOHN BIZRI Phone (732) 906-6886

Company EPA DESA LABORATORY

Recipient's Address 2890 WOODBRIDGE AVE, Bldg 209 · MS230 (Dept/Floor/Suite/Room)

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City EDISON State NJ ZIP 08837

4a Express Package Service *Packages up to 150 lbs.* * To most locations

- [X] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations*
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* ** To most locations

- [ ] FedEx 1Day Freight* — Next business day**
- [ ] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freight — Third business day**

* Call for Confirmation:

5 Packaging * Declared Value limit $500

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [X] Other

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — NOT Available for FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [X] Third Party
- [ ] Credit Card
- [ ] Cash/Check

FedEx Acct. No. / Credit Card No. 154581227 Exp. Date

Total Packages	Total Weight	Total Declared Value†
2	92	$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

FedEx Use Only

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

467

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By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.

Questions? Visit our Web site at fedex.com or call 1.800.GoFedEx 1.800.463.3339.

RETAIN THIS COPY FOR YOUR RECORDS.

Removal Support Team
Edison, NJ
EPA Contract #: 68-W-00-113

CHAIN OF CUSTODY RECORD
Site #: UM

No: UM-0001

Lab: EPA Region II Laboratory

Lab #	Sample #	Location	Analyses	Matrix	Container	Sample Time	MS/MSD
	UM-0001	PRIN34-S-1	Lead (Pb)	Soil	8oz Jar	12:00	
	UM-0002	PRIN34-S-2	Lead (Pb)	Soil	8oz Jar	12:40	
	UM-0003	PRIN34-S-3	Lead (Pb)	Soil	8oz Jar	13:30	
	UM-0004	PRIN34-S-4	Lead (Pb)	Soil	8oz Jar	11:25	
	UM-0005	PRIN34-SS-1	Lead (Pb)	Soil	8oz Jar	12:25	
	UM-0006	PRIN34-SS-2	Lead (Pb)	Soil	8oz Jar	13:00	
	UM-0007	PRIN34-SS-3	Lead (Pb)	Soil	8oz Jar	14:00	
	UM-0008	PRIN34-SS-4	Lead (Pb)	Soil	8oz Jar	12:05	
	UM-0009	PRIN40-S-1	Lead (Pb)	Soil	8oz Jar	09:25	
	UM-0010	PRIN40-S-2	Lead (Pb)	Soil	8oz Jar	09:45	
	UM-0011	PRIN40-S-3	Lead (Pb)	Soil	8oz Jar	10:12	
	UM-0012	PRIN40-S-4	Lead (Pb)	Soil	8oz Jar	09:15	Y
	UM-0013	PRIN40-SS-1	Lead (Pb)	Soil	8oz Jar	10:20	
	UM-0014	PRIN40-SS-2	Lead (Pb)	Soil	8oz Jar	10:55	
	UM-0015	PRIN40-SS-3	Lead (Pb)	Soil	8oz Jar	11:20	
	UM-0016	PRIN40-SS-4	Lead (Pb)	Soil	8oz Jar	09:55	
	UM-0017	PRIN44-S-1	Lead (Pb)	Soil	8oz Jar	13:40	
	UM-0018	PRIN44-S-2	Lead (Pb)	Soil	8oz Jar	13:58	
	UM-0019	PRIN44-S-3	Lead (Pb)	Soil	8oz Jar	14:40	
	UM-0020	PRIN44-S-33	Lead (Pb)	Soil	8oz Jar	14:41	

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL / DELIVERY TO LAB		4/28/05		4/28/05	15:30						

Removal Support Team
Edison, NJ
EPA Contract #: 68-W-00-113

CHAIN OF CUSTODY RECORD
Site #: UM

No: UM-0001

Lab: EPA Region II Laboratory

Lab #	Sample #	Location	Analyses	Matrix	Container	Sample Time	MS/MSD
	UM-0021	PRIN44-S-4	Lead (Pb)	Soil	8oz Jar	13:10	
	UM-0022	PRIN44-SS-1	Lead (Pb)	Soil	8oz Jar	14:10	
	UM-0023	PRIN44-SS-11	Lead (Pb)	Soil	8oz Jar	14:12	
	UM-0024	PRIN44-SS-2	Lead (Pb)	Soil	8oz Jar	15:00	Y
	UM-0025	PRIN44-SS-3	Lead (Pb)	Soil	8oz Jar	15:10	
	UM-0026	PRIN44-SS-4	Lead (Pb)	Soil	8oz Jar	15:35	
	UM-0027	PRIN67-S-1	Lead (Pb)	Soil	8oz Jar	16:35	
	UM-0028	PRIN67-S-2	Lead (Pb)	Soil	8oz Jar	16:55	
	UM-0029	PRIN67-SS-1	Lead (Pb)	Soil	8oz Jar	16:52	
	UM-0030	PRIN67-SS-2	Lead (Pb)	Soil	8oz Jar	17:25	
	UM-0031	PRIN87-S-1	Lead (Pb)	Soil	8oz Jar	18:10	
	UM-0032	PRIN87-S-2	Lead (Pb)	Soil	8oz Jar	18:40	
	UM-0033	PRIN87-S-3	Lead (Pb)	Soil	8oz Jar	19:20	
	UM-0034	PRIN87-S-4	Lead (Pb)	Soil	8oz Jar	17:55	
	UM-0035	PRIN87-SS-1	Lead (Pb)	Soil	8oz Jar	18:35	
	UM-0036	PRIN87-SS-2	Lead (Pb)	Soil	8oz Jar	19:10	
	UM-0037	PRIN87-SS-3	Lead (Pb)	Soil	8oz Jar	19:40	
	UM-0038	PRIN87-SS-4	Lead (Pb)	Soil	8oz Jar	18:15	
	UM-0039	RB-42605	Lead (Pb)	Water	1 Liter Poly	19:20	
	UM-0040	PRIN137-S-1	Lead (Pb)	Soil	8oz Jar	08:20	

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL DELIVERY TO LAB	[signature]	4/28/05	[signature]	4/28/05	15:30						

Removal Support Team
Edison, NJ
EPA Contract #: 68-W-00-113

CHAIN OF CUSTODY RECORD
Site #: UM

No: UM-0001
Lab: EPA Region II Laboratory

Lab #	Sample #	Location	Analyses	Matrix	Container	Sample Time	MS/MSD
	UM-0041	PRIN137-S-2	Lead (Pb)	Soil	8oz Jar	08:45	
	UM-0042	PRIN137-S-3	Lead (Pb)	Soil	8oz Jar	08:40	
	UM-0043	PRIN137-S-4	Lead (Pb)	Soil	8oz Jar	08:20	
	UM-0044	PRIN137-SS-1	Lead (Pb)	Soil	8oz Jar	08:40	
	UM-0045	PRIN137-SS-2	Lead (Pb)	Soil	8oz Jar	08:55	
	UM-0046	PRIN137-SS-3	Lead (Pb)	Soil	8oz Jar	08:50	
	UM-0047	PRIN137-SS-4	Lead (Pb)	Soil	8oz Jar	08:30	
	UM-0048	TYLE56-S-1	Lead (Pb)	Soil	8oz Jar	10:05	Y
	UM-0049	TYLE56-S-2	Lead (Pb)	Soil	8oz Jar	09:55	
	UM-0050	TYLE56-S-3	Lead (Pb)	Soil	8oz Jar	09:55	
	UM-0051	TYLE56-SS-1	Lead (Pb)	Soil	8oz Jar	10:15	
	UM-0052	TYLE56-SS-2	Lead (Pb)	Soil	8oz Jar	10:05	
	UM-0053	TYLE56-SS-22	Lead (Pb)	Soil	8oz Jar	10:09	
	UM-0054	TYLE56-SS-3	Lead (Pb)	Soil	8oz Jar	10:20	Y
	UM-0055	TYLE34-S-1	Lead (Pb)	Soil	8oz Jar	11:00	
	UM-0056	TYLE34-S-11	Lead (Pb)	Soil	8oz Jar	11:04	
	UM-0057	TYLE34-S-2	Lead (Pb)	Soil	8oz Jar	11:00	
	UM-0058	TYLE34-SS-1	Lead (Pb)	Soil	8oz Jar	11:05	
	UM-0059	TYLE34-SS-2	Lead (Pb)	Soil	8oz Jar	11:10	
	UM-0060	TYLE26-S-1	Lead (Pb)	Soil	8oz Jar	13:30	

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL / DELIVERY TO LAB		4/28/05		4/28/05	15:30						

Removal Support Team
Edison, NJ
EPA Contract #: 68-W-00-113

CHAIN OF CUSTODY RECORD
Site #: UM

No: UM-0001

Lab: EPA Region II Laboratory

Lab #	Sample #	Location	Analyses	Matrix	Container	Sample Time	MS/MSD
	UM-0061	TYLE26-S-2	Lead (Pb)	Soil	8oz Jar	13:50	
	UM-0062	TYLE26-S-3	Lead (Pb)	Soil	8oz Jar	13:55	
	UM-0063	TYLE26-S-4	Lead (Pb)	Soil	8oz Jar	13:25	
	UM-0064	TYLE26-SS-1	Lead (Pb)	Soil	8oz Jar	13:35	
	UM-0065	TYLE26-SS-2	Lead (Pb)	Soil	8oz Jar	13:55	
	UM-0066	TYLE26-SS-3	Lead (Pb)	Soil	8oz Jar	14:05	
	UM-0067	TYLE26-SS-4	Lead (Pb)	Soil	8oz Jar	13:40	
	UM-0068	RB-42705	Lead (Pb)	Water	1 Liter Poly	14:15	

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL/DELIVERY TO LAB	[signature]	4/28/05	[signature]	4/28/05	15:30						

Removal Support Team
Edison, NJ
EPA Contract #: 68-W-00-113

CHAIN OF CUSTODY RECORD
Site #: UM

No: UM-0001

Lab: EPA Region II Laboratory

Lab #	Sample #	Location	Analyses	Matrix	Collected	Container	Sample Time	MS/MSD
	UM-0001	PRIN34-S-1	Lead (Pb)	Soil	4/26/2005	8oz Jar	12:00	
	UM-0002	PRIN34-S-2	Lead (Pb)	Soil	4/26/2005	8oz Jar	12:40	
	UM-0003	PRIN34-S-3	Lead (Pb)	Soil	4/26/2005	8oz Jar	13:30	
	UM-0004	PRIN34-S-4	Lead (Pb)	Soil	4/26/2005	8oz Jar	11:25	
	UM-0005	PRIN34-SS-1	Lead (Pb)	Soil	4/26/2005	8oz Jar	12:25	
	UM-0006	PRIN34-SS-2	Lead (Pb)	Soil	4/26/2005	8oz Jar	13:00	
	UM-0007	PRIN34-SS-3	Lead (Pb)	Soil	4/26/2005	8oz Jar	14:00	
	UM-0008	PRIN34-SS-4	Lead (Pb)	Soil	4/26/2005	8oz Jar	12:05	
	UM-0009	PRIN40-S-1	Lead (Pb)	Soil	4/26/2005	8oz Jar	09:25	
	UM-0010	PRIN40-S-2	Lead (Pb)	Soil	4/26/2005	8oz Jar	09:45	
	UM-0011	PRIN40-S-3	Lead (Pb)	Soil	4/26/2005	8oz Jar	10:12	
	UM-0012	PRIN40-S-4	Lead (Pb)	Soil	4/26/2005	8oz Jar	09:15	Y
	UM-0013	PRIN40-SS-1	Lead (Pb)	Soil	4/26/2005	8oz Jar	10:20	
	UM-0014	PRIN40-SS-2	Lead (Pb)	Soil	4/26/2005	8oz Jar	10:55	
	UM-0015	PRIN40-SS-3	Lead (Pb)	Soil	4/26/2005	8oz Jar	11:20	
	UM-0016	PRIN40-SS-4	Lead (Pb)	Soil	4/26/2005	8oz Jar	09:55	
	UM-0017	PRIN44-S-1	Lead (Pb)	Soil	4/26/2005	8oz Jar	13:40	
	UM-0018	PRIN44-S-2	Lead (Pb)	Soil	4/26/2005	8oz Jar	13:58	
	UM-0019	PRIN44-S-3	Lead (Pb)	Soil	4/26/2005	8oz Jar	14:40	
	UM-0020	PRIN44-S-33	Lead (Pb)	Soil	4/26/2005	8oz Jar	14:41	

Special Instructions: REVISED COC INCLUDING DATE

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/2/05									

Removal Support Team
Edison, NJ
EPA Contract #: 68-W-00-113

CHAIN OF CUSTODY RECORD
Site #: UM

No: UM-0001

Lab: EPA Region II Laboratory

Lab #	Sample #	Location	Analyses	Matrix	Collected	Container	Sample Time	MS/MSD
	UM-0021	PRIN44-S-4	Lead (Pb)	Soil	4/26/2005	8oz Jar	13:10	
	UM-0022	PRIN44-SS-1	Lead (Pb)	Soil	4/26/2005	8oz Jar	14:10	
	UM-0023	PRIN44-SS-11	Lead (Pb)	Soil	4/26/2005	8oz Jar	14:12	
	UM-0024	PRIN44-SS-2	Lead (Pb)	Soil	4/26/2005	8oz Jar	15:00	Y
	UM-0025	PRIN44-SS-3	Lead (Pb)	Soil	4/26/2005	8oz Jar	15:10	
	UM-0026	PRIN44-SS-4	Lead (Pb)	Soil	4/26/2005	8oz Jar	15:35	
	UM-0027	PRIN67-S-1	Lead (Pb)	Soil	4/26/2005	8oz Jar	16:35	
	UM-0028	PRIN67-S-2	Lead (Pb)	Soil	4/26/2005	8oz Jar	16:55	
	UM-0029	PRIN67-SS-1	Lead (Pb)	Soil	4/26/2005	8oz Jar	16:52	
	UM-0030	PRIN67-SS-2	Lead (Pb)	Soil	4/26/2005	8oz Jar	17:25	
	UM-0031	PRIN87-S-1	Lead (Pb)	Soil	4/26/2005	8oz Jar	18:10	
	UM-0032	PRIN87-S-2	Lead (Pb)	Soil	4/26/2005	8oz Jar	18:40	
	UM-0033	PRIN87-S-3	Lead (Pb)	Soil	4/26/2005	8oz Jar	19:20	
	UM-0034	PRIN87-S-4	Lead (Pb)	Soil	4/26/2005	8oz Jar	17:55	
	UM-0035	PRIN87-SS-1	Lead (Pb)	Soil	4/26/2005	8oz Jar	18:35	
	UM-0036	PRIN87-SS-2	Lead (Pb)	Soil	4/26/2005	8oz Jar	19:10	
	UM-0037	PRIN87-SS-3	Lead (Pb)	Soil	4/26/2005	8oz Jar	19:40	
	UM-0038	PRIN87-SS-4	Lead (Pb)	Soil	4/26/2005	8oz Jar	18:15	
	UM-0039	RB-42605	Lead (Pb)	Water	4/26/2005	1 Liter Poly	19:20	
	UM-0040	PRIN137-S-1	Lead (Pb)	Soil	4/27/2005	8oz Jar	08:20	

Special Instructions: REVISED COC INCLUDING DATE

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Doug Kush	5/2/05									

Removal Support Team
Edison, NJ
EPA Contract #: 68-W-00-113

CHAIN OF CUSTODY RECORD
Site #: UM

No: UM-0001

Lab: EPA Region II Laboratory

Lab #	Sample #	Location	Analyses	Matrix	Collected	Container	Sample Time	MS/MSD
	UM-0041	PRIN137-S-2	Lead (Pb)	Soil	4/27/2005	8oz Jar	08:45	
	UM-0042	PRIN137-S-3	Lead (Pb)	Soil	4/27/2005	8oz Jar	08:40	
	UM-0043	PRIN137-S-4	Lead (Pb)	Soil	4/27/2005	8oz Jar	08:20	
	UM-0044	PRIN137-SS-1	Lead (Pb)	Soil	4/27/2005	8oz Jar	08:40	
	UM-0045	PRIN137-SS-2	Lead (Pb)	Soil	4/27/2005	8oz Jar	08:55	
	UM-0046	PRIN137-SS-3	Lead (Pb)	Soil	4/27/2005	8oz Jar	08:50	
	UM-0047	PRIN137-SS-4	Lead (Pb)	Soil	4/27/2005	8oz Jar	08:30	
	UM-0048	TYLE56-S-1	Lead (Pb)	Soil	4/27/2005	8oz Jar	10:05	Y
	UM-0049	TYLE56-S-2	Lead (Pb)	Soil	4/27/2005	8oz Jar	09:55	
	UM-0050	TYLE56-S-3	Lead (Pb)	Soil	4/27/2005	8oz Jar	09:55	
	UM-0051	TYLE56-SS-1	Lead (Pb)	Soil	4/27/2005	8oz Jar	10:15	
	UM-0052	TYLE56-SS-2	Lead (Pb)	Soil	4/27/2005	8oz Jar	10:05	
	UM-0053	TYLE56-SS-22	Lead (Pb)	Soil	4/27/2005	8oz Jar	10:09	
	UM-0054	TYLE56-SS-3	Lead (Pb)	Soil	4/27/2005	8oz Jar	10:20	Y
	UM-0055	TYLE34-S-1	Lead (Pb)	Soil	4/27/2005	8oz Jar	11:00	
	UM-0056	TYLE34-S-11	Lead (Pb)	Soil	4/27/2005	8oz Jar	11:04	
	UM-0057	TYLE34-S-2	Lead (Pb)	Soil	4/27/2005	8oz Jar	11:00	
	UM-0058	TYLE34-SS-1	Lead (Pb)	Soil	4/27/2005	8oz Jar	11:05	
	UM-0059	TYLE34-SS-2	Lead (Pb)	Soil	4/27/2005	8oz Jar	11:10	
	UM-0060	TYLE26-S-1	Lead (Pb)	Soil	4/27/2005	8oz Jar	13:30	

Special Instructions: REVISED COC TO INCLUDE DATE

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/2/05									

Removal Support Team
Edison, NJ
EPA Contract #: 68-W-00-113

CHAIN OF CUSTODY RECORD
Site #: UM

No: UM-0001

Lab: EPA Region II Laboratory

Lab #	Sample #	Location	Analyses	Matrix	Collected	Container	Sample Time	MS/MSD
	UM-0061	TYLE26-S-2	Lead (Pb)	Soil	4/27/2005	8oz Jar	13:50	
	UM-0062	TYLE26-S-3	Lead (Pb)	Soil	4/27/2005	8oz Jar	13:55	
	UM-0063	TYLE26-S-4	Lead (Pb)	Soil	4/27/2005	8oz Jar	13:25	
	UM-0064	TYLE26-SS-1	Lead (Pb)	Soil	4/27/2005	8oz Jar	13:35	
	UM-0065	TYLE26-SS-2	Lead (Pb)	Soil	4/27/2005	8oz Jar	13:55	
	UM-0066	TYLE26-SS-3	Lead (Pb)	Soil	4/27/2005	8oz Jar	14:05	
	UM-0067	TYLE26-SS-4	Lead (Pb)	Soil	4/27/2005	8oz Jar	13:40	
	UM-0068	RB-42705	Lead (Pb)	Water	4/27/2005	1 Liter Poly	14:15	

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	5/2/05									

Removal Support Team
, Edison, NJ
EPA Contract #:

CHAIN OF CUSTODY RECORD
Site #: UM
Contact Name: Terry Kish
Contact Phone: 908-565-2978

No: UM-0010
DateShipped: 7/7/2005
Lab: DESA- EPA Region II
Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	40PRIN-S-DZ	40 Princeton	Lead (Pb)	Soil	7/7/2005	14:55	1	4 oz glass	4 C	N
	40PRIN-SS-1A	40 Princeton	Lead (Pb)	Soil	7/7/2005	14:25	1	4 oz glass	4 C	N
	40PRIN-SS-2A	40 Princeton	Lead (Pb)	Soil	7/7/2005	15:32	1	4 oz glass	4 C	N
	40PRIN-SS-DZ	40 Princeton	Lead (Pb)	Soil	7/7/2005	15:00	1	4 oz glass	4 C	N
	44PRIN-S-1A	44 Princeton	Lead (Pb)	Soil	7/7/2005	16:05	1	4 oz glass	4 C	N
	44PRIN-S-2A	44 Princeton	Lead (Pb)	Soil	7/7/2005	17:30	1	4 oz glass	4 C	N
	44PRIN-S-DZ	44 Princeton	Lead (Pb)	Soil	7/7/2005	16:41	1	4 oz glass	4 C	N
	44PRIN-SS-1A	44 Princeton	Lead (Pb)	Soil	7/7/2005	16:10	1	4 oz glass	4 C	N
	44PRIN-SS-2A	44 Princeton	Lead (Pb)	Soil	7/7/2005	17:32	1	4 oz glass	4 C	N
	44PRIN-SS-DZ	44 Princeton	Lead (Pb)	Soil	7/7/2005	17:07	1	4 oz glass	4 C	N
	44TYLE-S-1	44 Tyler	Lead (Pb)	Soil	7/6/2005	10:30	1	4 oz glass	4 C	N
	44TYLE-S-2	44 Tyler	Lead (Pb)	Soil	7/6/2005	12:05	1	4 oz glass	4 C	N
	44TYLE-S-3	44 Tyler	Lead (Pb)	Soil	7/6/2005	11:40	1	4 oz glass	4 C	N
	44TYLE-SS-1	44 Tyler	Lead (Pb)	Soil	7/6/2005	11:05	1	4 oz glass	4 C	N
	44TYLE-SS-2	44 Tyler	Lead (Pb)	Soil	7/6/2005	12:00	1	4 oz glass	4 C	N
	44TYLE-SS-3	44 Tyler	Lead (Pb)	Soil	7/6/2005	11:35	1	4 oz glass	4 C	N
	45PRIN-S-DZ	44 Princeton	Lead (Pb)	Soil	7/7/2005	17:00	1	4 oz glass	4 C	N
	RB-70605	Rinsate Blank	Lead (Pb)	Filtered Water	7/6/2005	19:00	1	4 oz glass	4 C	N

Special Instructions: Analyze and validate as a complete set of samples.
14 Day TAT. This is project is complete

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL / DELIVERY TO LAB	Terry Kish	7/7/05	FEDEX	7/7/05	1745						

Removal Support Team
, Edison, NJ
EPA Contract #:

CHAIN OF CUSTODY RECORD
Site #: UM
Contact Name: Terry Kish
Contact Phone: 908-565-2978

No: UM-0010
DateShipped: 7/7/2005
Lab: DESA- EPA Region II
Lab Phone: 732-906-6886

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	16TYLE-S-1	16 Tyler	Lead (Pb)	Soil	7/6/2005	16:35	1	4 oz glass	4 C	N
	16TYLE-S-2	16 Tyler	Lead (Pb)	Soil	7/6/2005	17:31	1	4 oz glass	4 C	N
	16TYLE-S-22	16 Tyler	Lead (Pb)	Soil	7/6/2005	18:00	1	4 oz glass	4 C	N
	16TYLE-S-3	16 Tyler	Lead (Pb)	Soil	7/6/2005	17:53	1	4 oz glass	4 C	N
	16TYLE-S-4	16 Tyler	Lead (Pb)	Soil	7/6/2005	18:15	1	4 oz glass	4 C	N
	16TYLE-SS-1	16 Tyler	Lead (Pb)	Soil	7/6/2005	16:40	1	4 oz glass	4 C	N
	16TYLE-SS-2	16 Tyler	Lead (Pb)	Soil	7/6/2005	17:32	1	4 oz glass	4 C	N
	16TYLE-SS-3	16 Tyler	Lead (Pb)	Soil	7/6/2005	17:54	1	4 oz glass	4 C	N
	16TYLE-SS-4	16 Tyler	Lead (Pb)	Soil	7/6/2005	18:12	1	4 oz glass	4 C	N
	26BOST-CS	26 Bostwick	Lead (Pb)	Soil	7/7/2005	20:15	1	4 oz glass	4 C	N
	26TYLE-CS	26 Tyler	Lead (Pb)	Soil	7/6/2005	18:53	1	4 oz glass	4 C	N
	32TYLE-S-1	21 Tyler Street	Lead (Pb)	Soil	7/6/2005	15:18	1	4 oz glass	4 C	N
	32TYLE-S-2	32 Tyler	Lead (Pb)	Soil	7/6/2005	15:30	1	4 oz glass	4 C	N
	32TYLE-S-3	32 Tyler	Lead (Pb)	Soil	7/6/2005	16:28	1	4 oz glass	4 C	N
	32TYLE-SS-1	32 Tyler	Lead (Pb)	Soil	7/6/2005	15:36	1	4 oz glass	4 C	N
	32TYLE-SS-2	32 Tyler	Lead (Pb)	Soil	7/6/2005	15:43	1	4 oz glass	4 C	N
	32TYLE-SS-3	32 Tyler	Lead (Pb)	Soil	7/6/2005	16:30	1	4 oz glass	4 C	N
	40PRIN-S-1A	40 Princeton	Lead (Pb)	Soil	7/7/2005	14:12	1	4 oz glass	4 C	N
	40PRIN-S-2A	40 Princeton	Lead (Pb)	Soil	7/7/2005	15:18	1	4 oz glass	4 C	N

Special Instructions: Analyze and validate as a complete set of samples.
14 Day TAT. This is project is complete

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL / DELIVERY TO LAB	Terry Kish	7/7/05	FED EX	7/7/05	1745						

Removal Support Team
, Edison, NJ
EPA Contract #:

CHAIN OF CUSTODY RECORD
Site #: UM
Contact Name: Terry Kish
Contact Phone: 908-565-2978

No: UM-0010
DateShipped: 7/7/2005
Lab: DESA- EPA Region II
Lab Phone: 732-906-6886

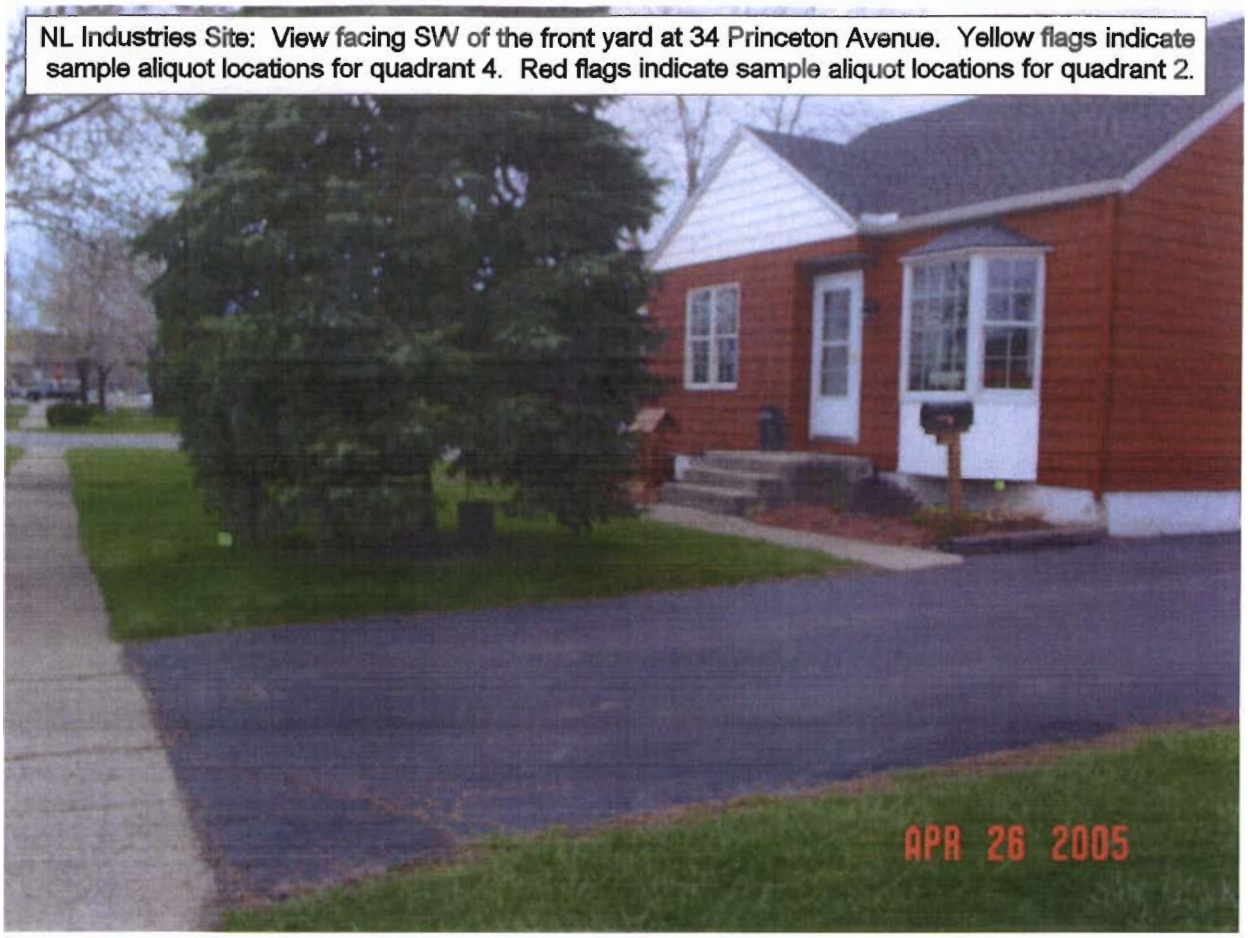
Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	RB-70705		Lead (Pb)	Water	7/7/2005	18:00	1	4 oz glass	4 C	N

Special Instructions: Analyze and validate as a complete set of samples.
14 Day TAT. This is project is complete

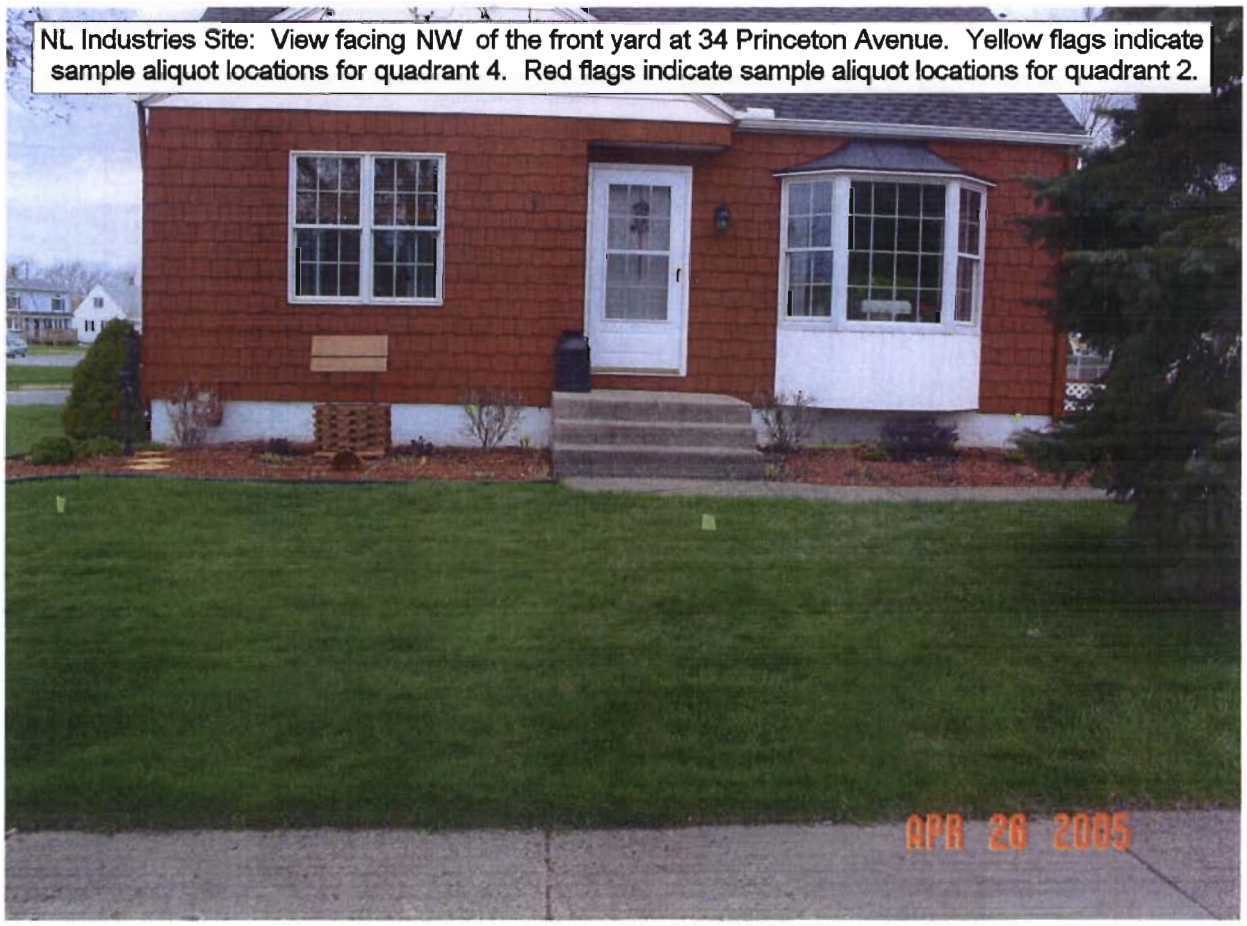
SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL / DELIVERY TO LAB	Terry Kish	7/7/05	FEDEX	7/7/05	1745						

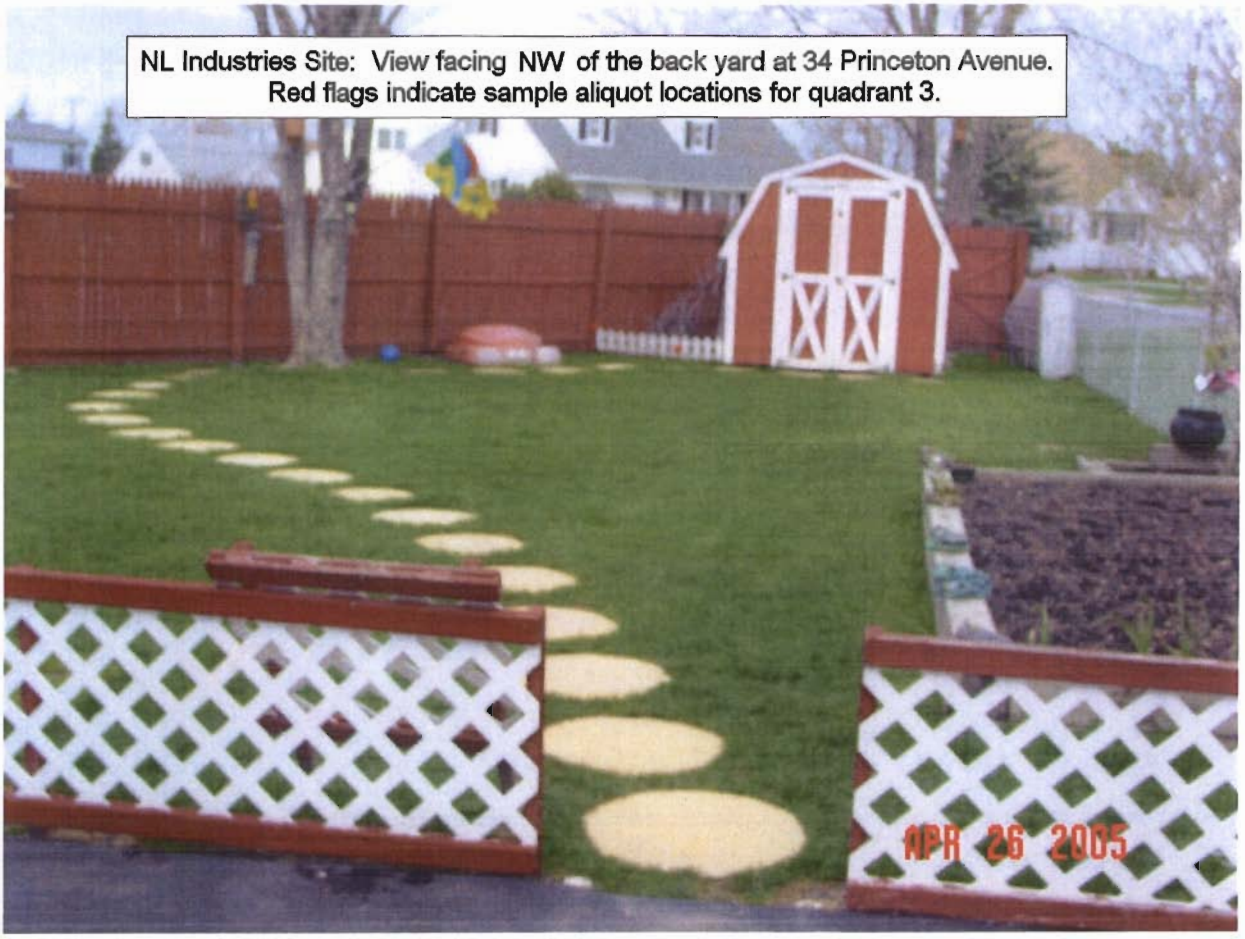
Attachment D: Photographic Documentation



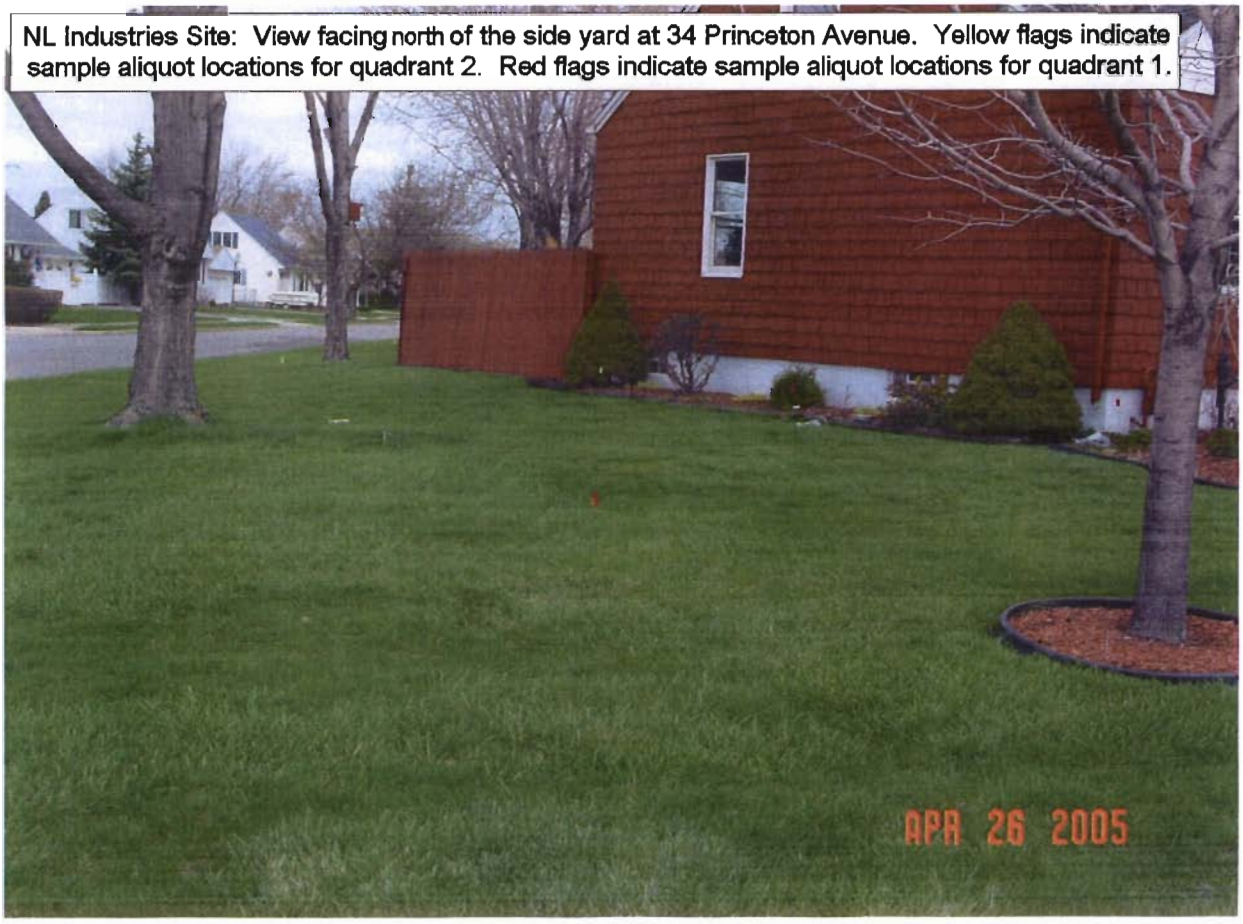
NL Industries Site: View facing SW of the front yard at 34 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 4. Red flags indicate sample aliquot locations for quadrant 2.



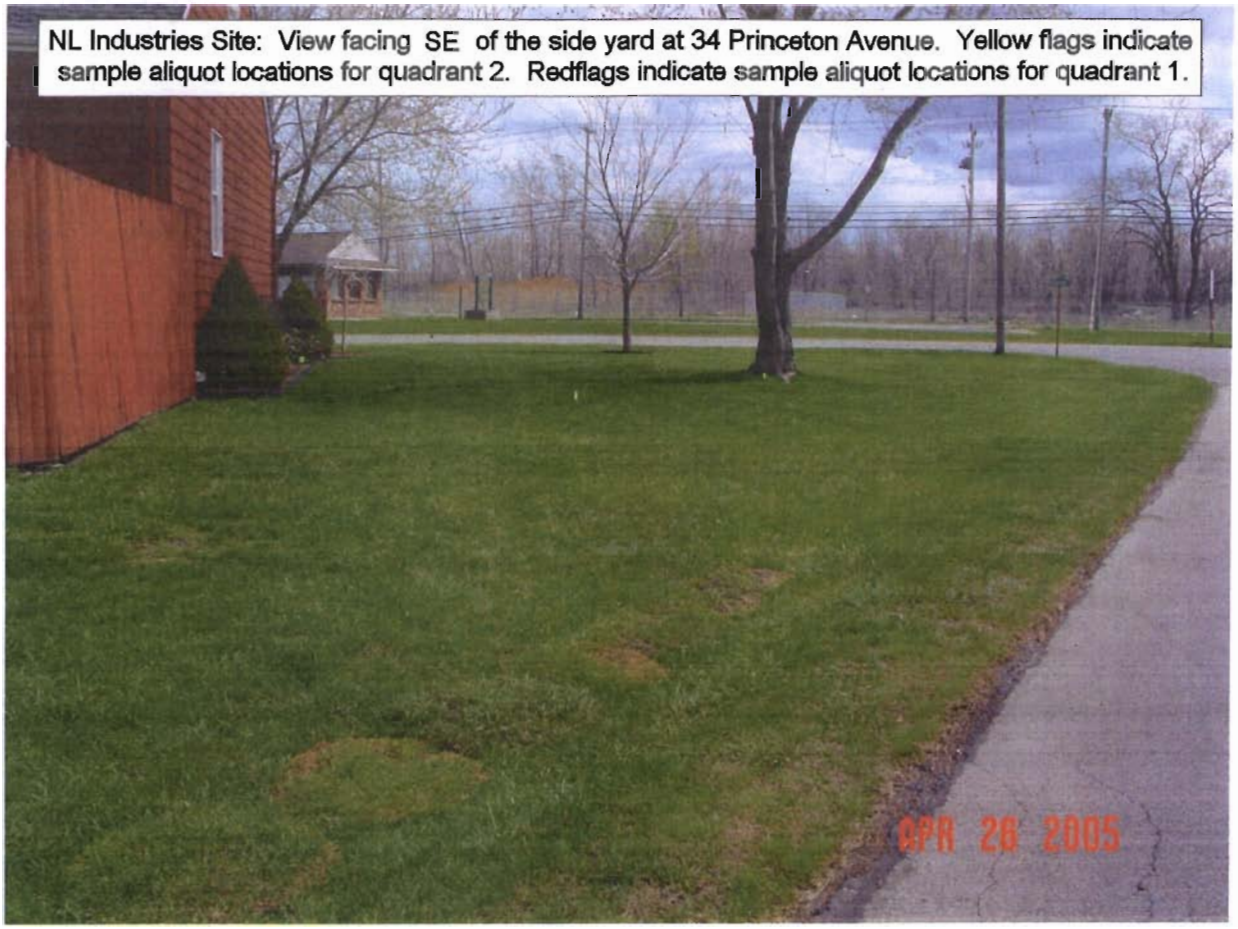
NL Industries Site: View facing NW of the front yard at 34 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 4. Red flags indicate sample aliquot locations for quadrant 2.



NL Industries Site: View facing NW of the back yard at 34 Princeton Avenue. Red flags indicate sample aliquot locations for quadrant 3.



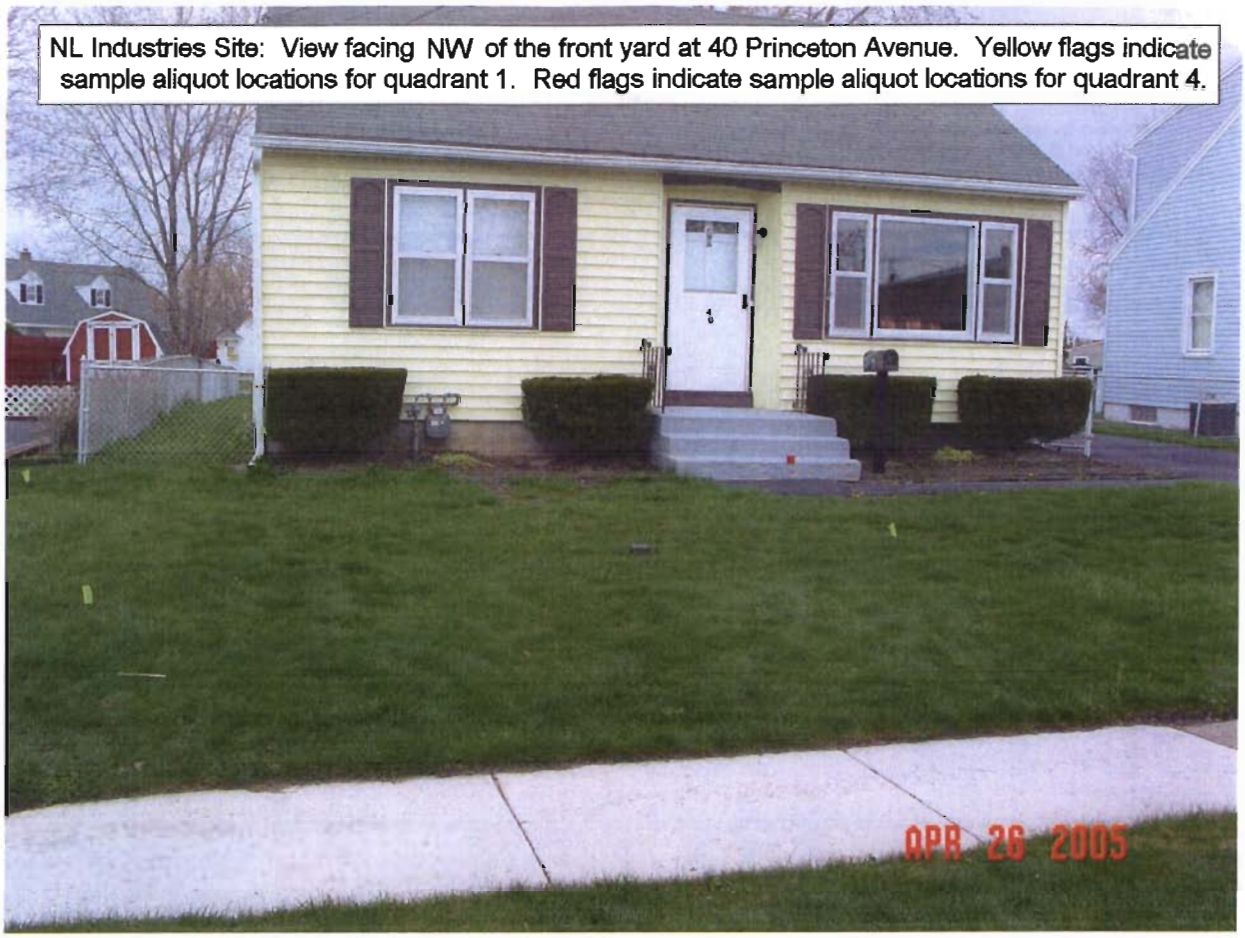
NL Industries Site: View facing north of the side yard at 34 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 2. Red flags indicate sample aliquot locations for quadrant 1.



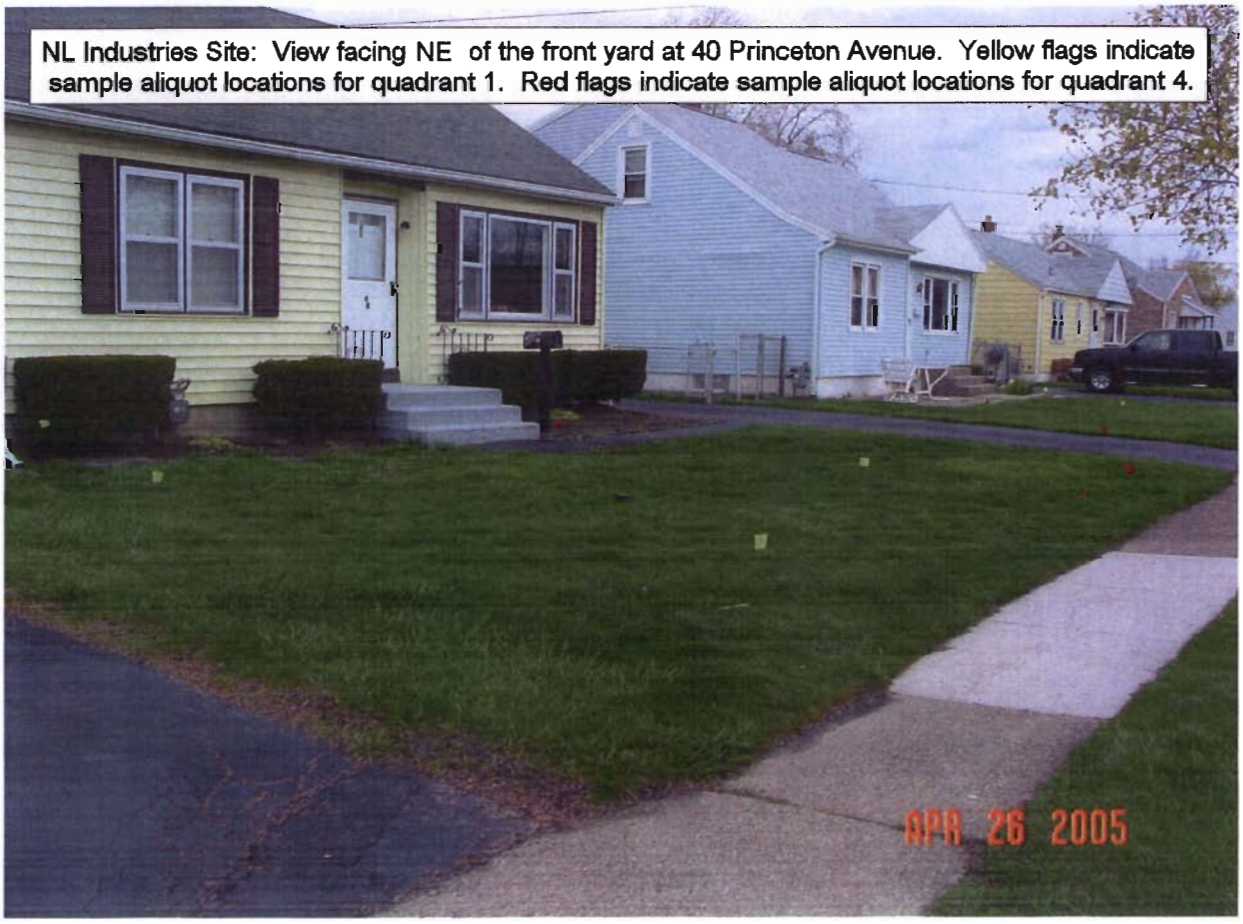
NL Industries Site: View facing SE of the side yard at 34 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 2. Redflags indicate sample aliquot locations for quadrant 1.

NL Industries Site: View facing westof the back yard at 34 Princeton Avenue. Red flags indicate sample aliquot locations for quadrant 3.

NL Industries Site: View facing south of the side yard at 34 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 2.



NL Industries Site: View facing NW of the front yard at 40 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 1. Red flags indicate sample aliquot locations for quadrant 4.

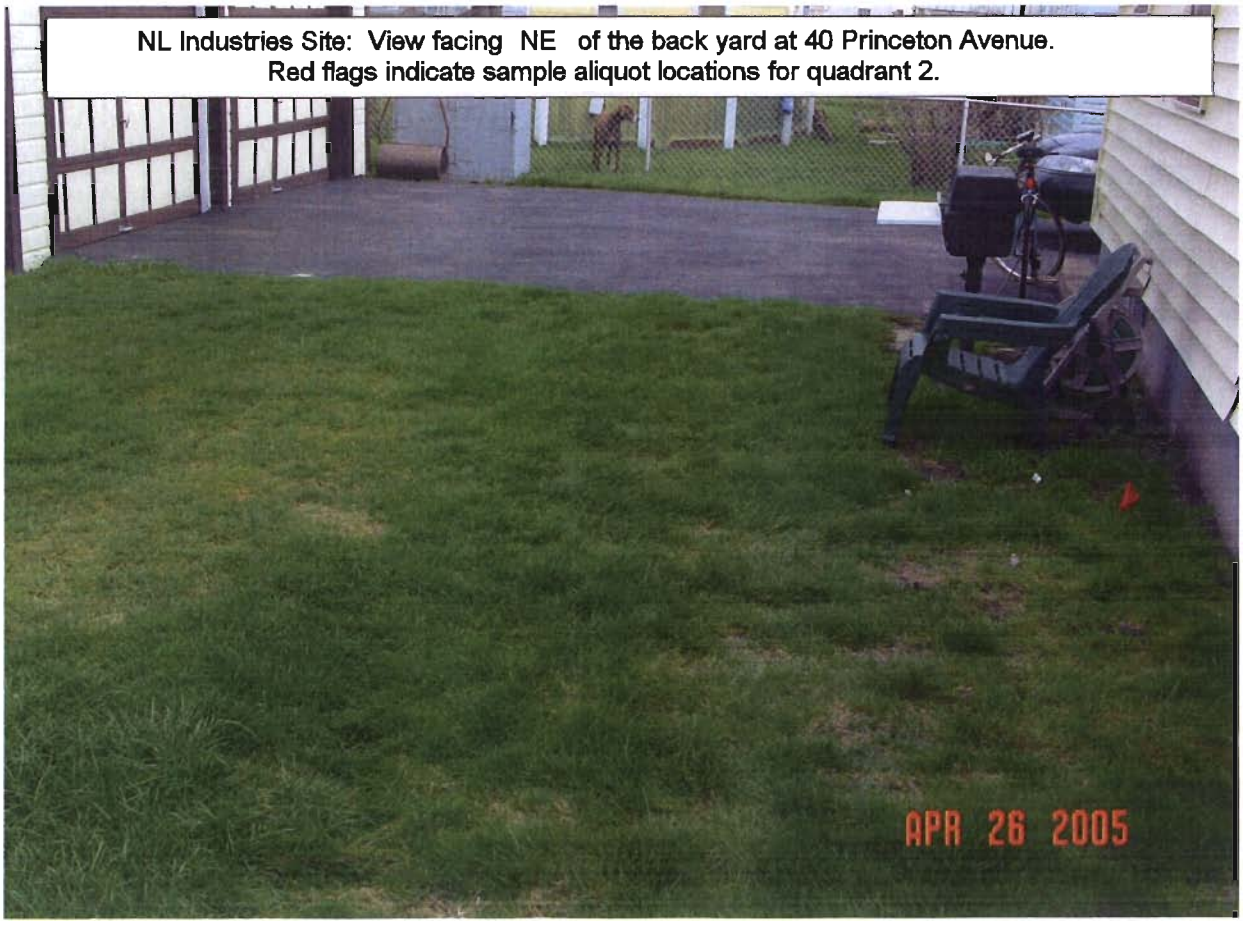


NL Industries Site: View facing NE of the front yard at 40 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 1. Red flags indicate sample aliquot locations for quadrant 4.

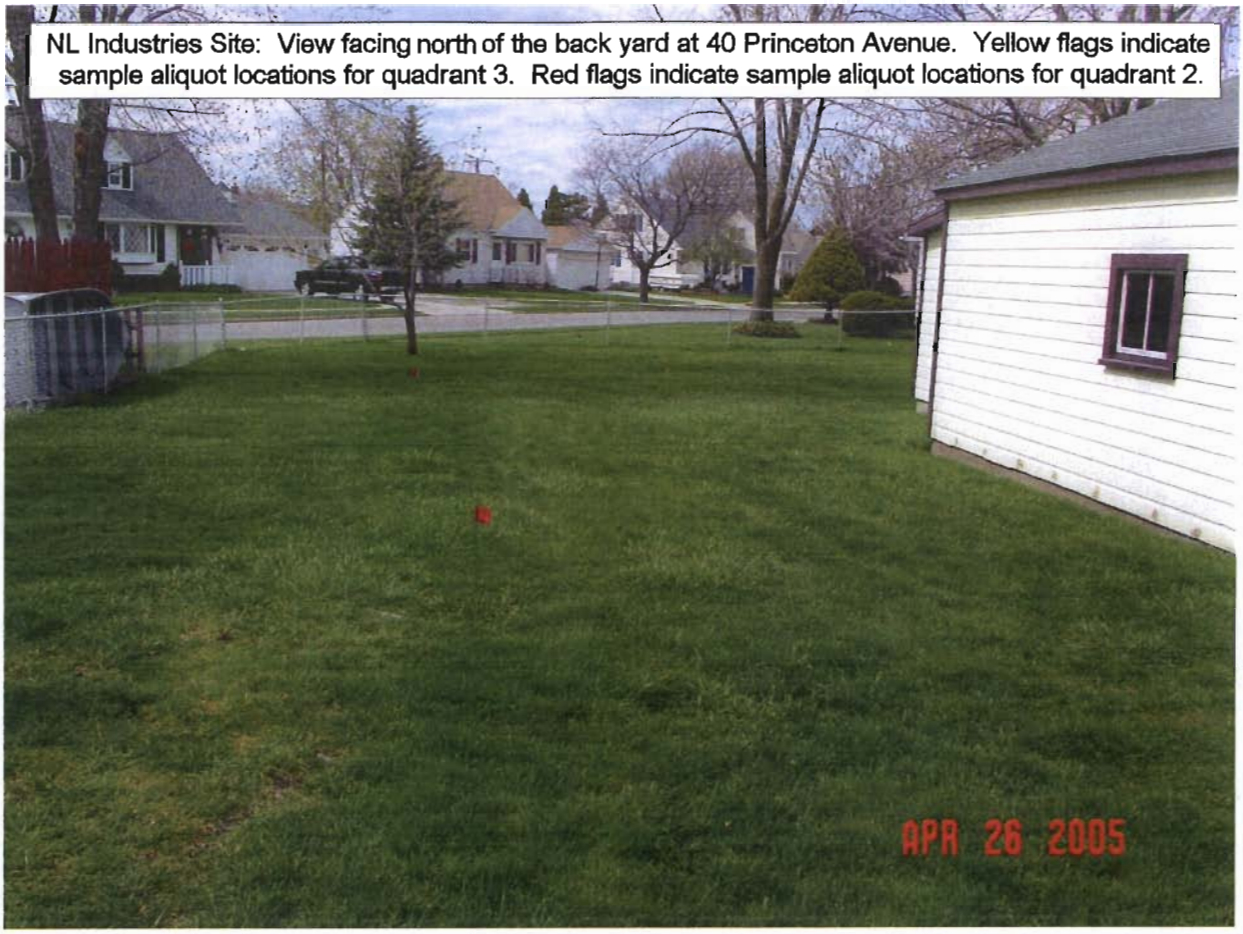
NL Industries Site: View facing NW of the back yard at 40 Princeton Avenue. Red flags indicate sample aliquot locations for quadrant 2. Yellow flags indicate sample aliquot locations for quadrant 3.

NL Industries Site: View facing west of the front yard at 40 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 1. Red flags indicate sample aliquot locations for quadrant 4.

NL Industries Site: View facing SW of the back yard at 40 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 3. Red flags indicate sample aliquot locations for quadrant 2.



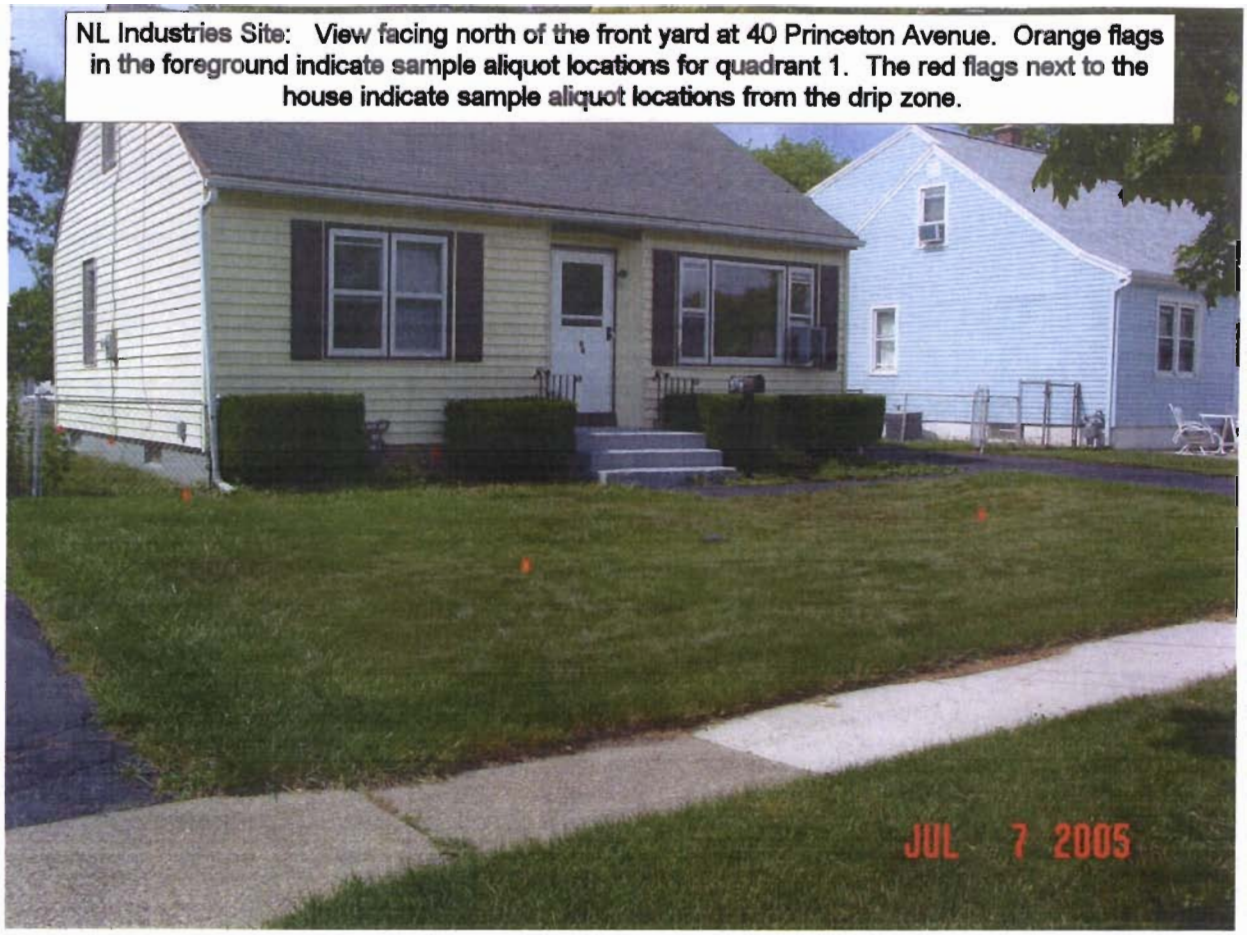
NL Industries Site: View facing NE of the back yard at 40 Princeton Avenue. Red flags indicate sample aliquot locations for quadrant 2.



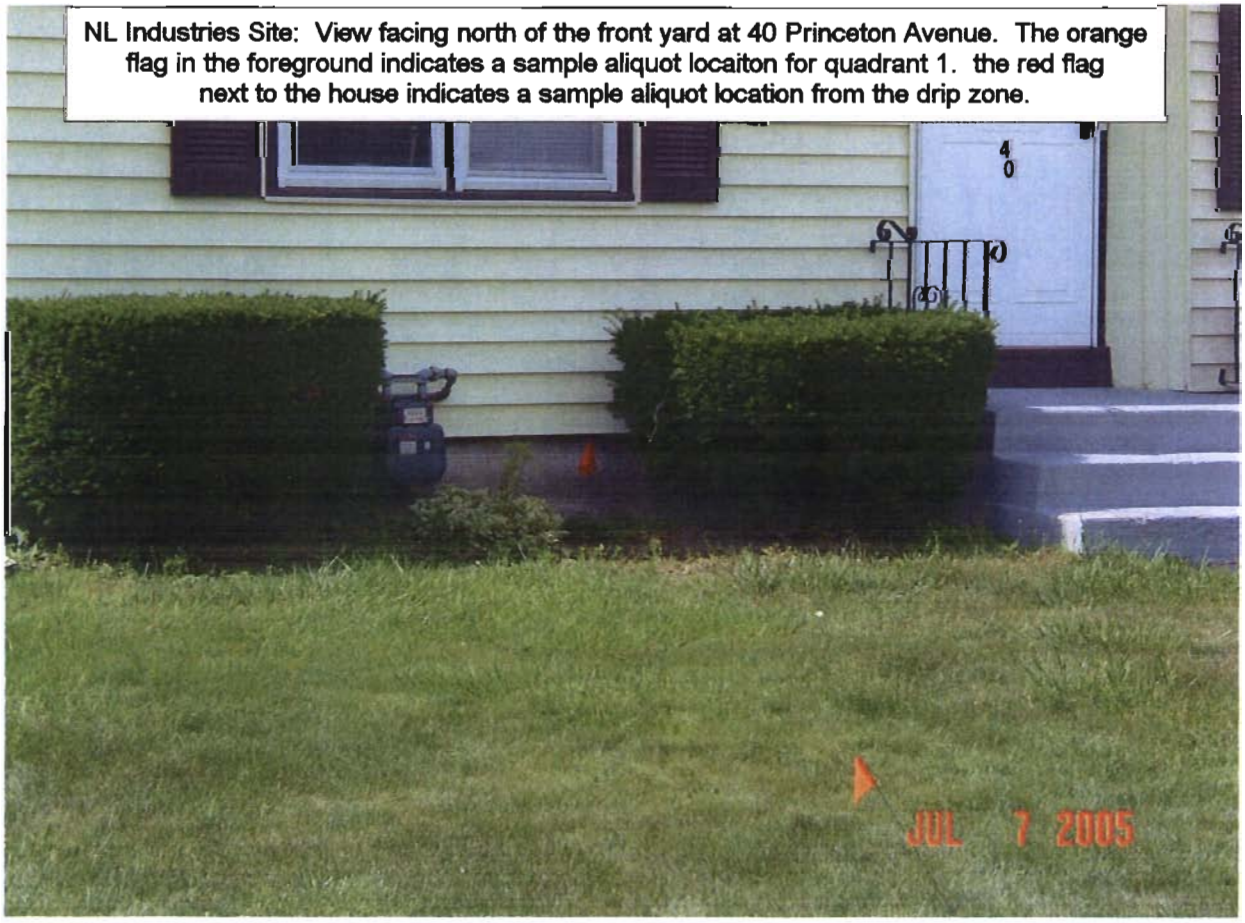
NL Industries Site: View facing north of the back yard at 40 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 3. Red flags indicate sample aliquot locations for quadrant 2.

NL Industries Site: View facing SW of the back yard at 40 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 3. Red flags indicate sample aliquot locations for quadrant 2.

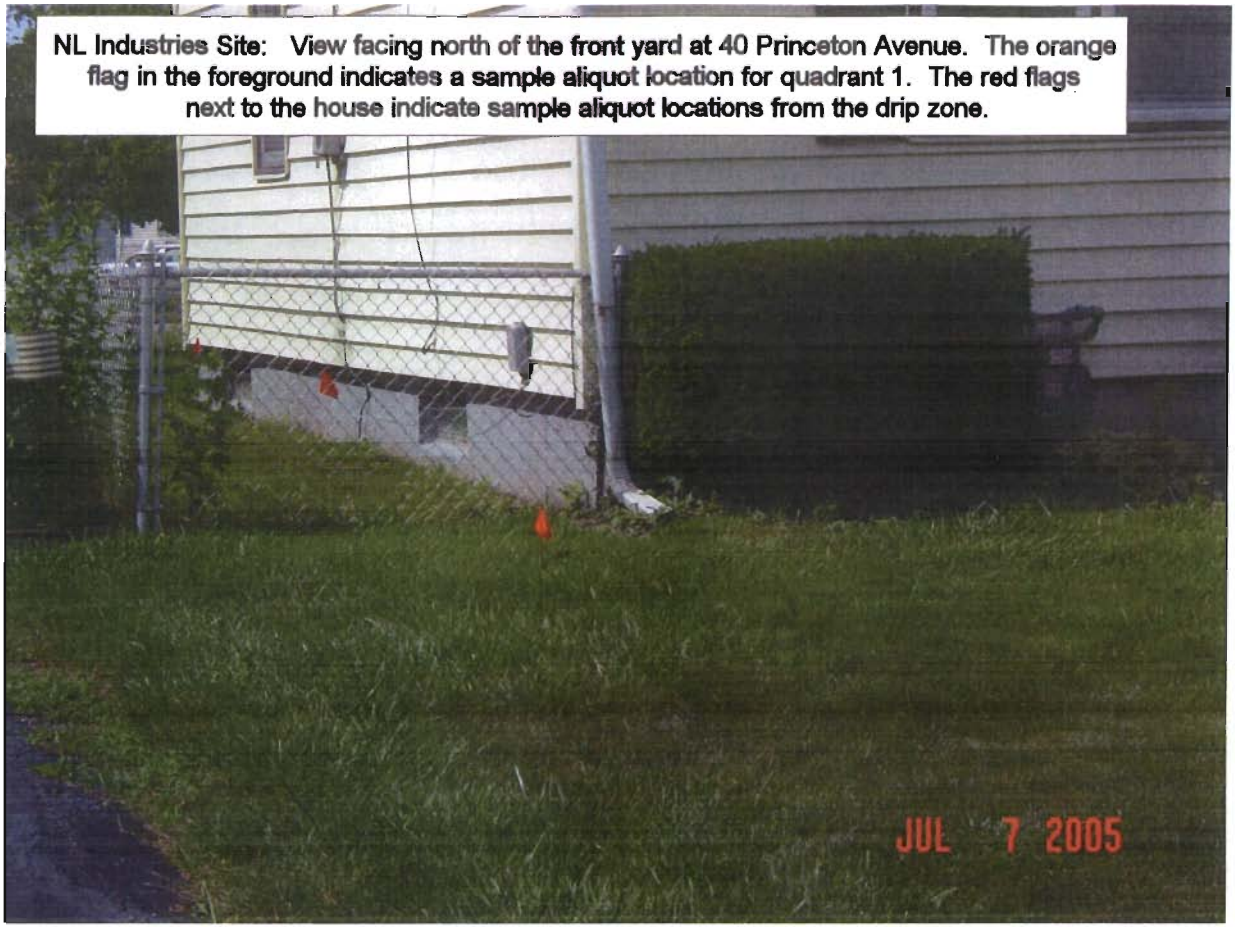
NL Industries Site: View facing NE of the back yard at 40 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 3. Red flags indicate sample aliquot locations for quadrant 2.



NL Industries Site: View facing north of the front yard at 40 Princeton Avenue. Orange flags in the foreground indicate sample aliquot locations for quadrant 1. The red flags next to the house indicate sample aliquot locations from the drip zone.

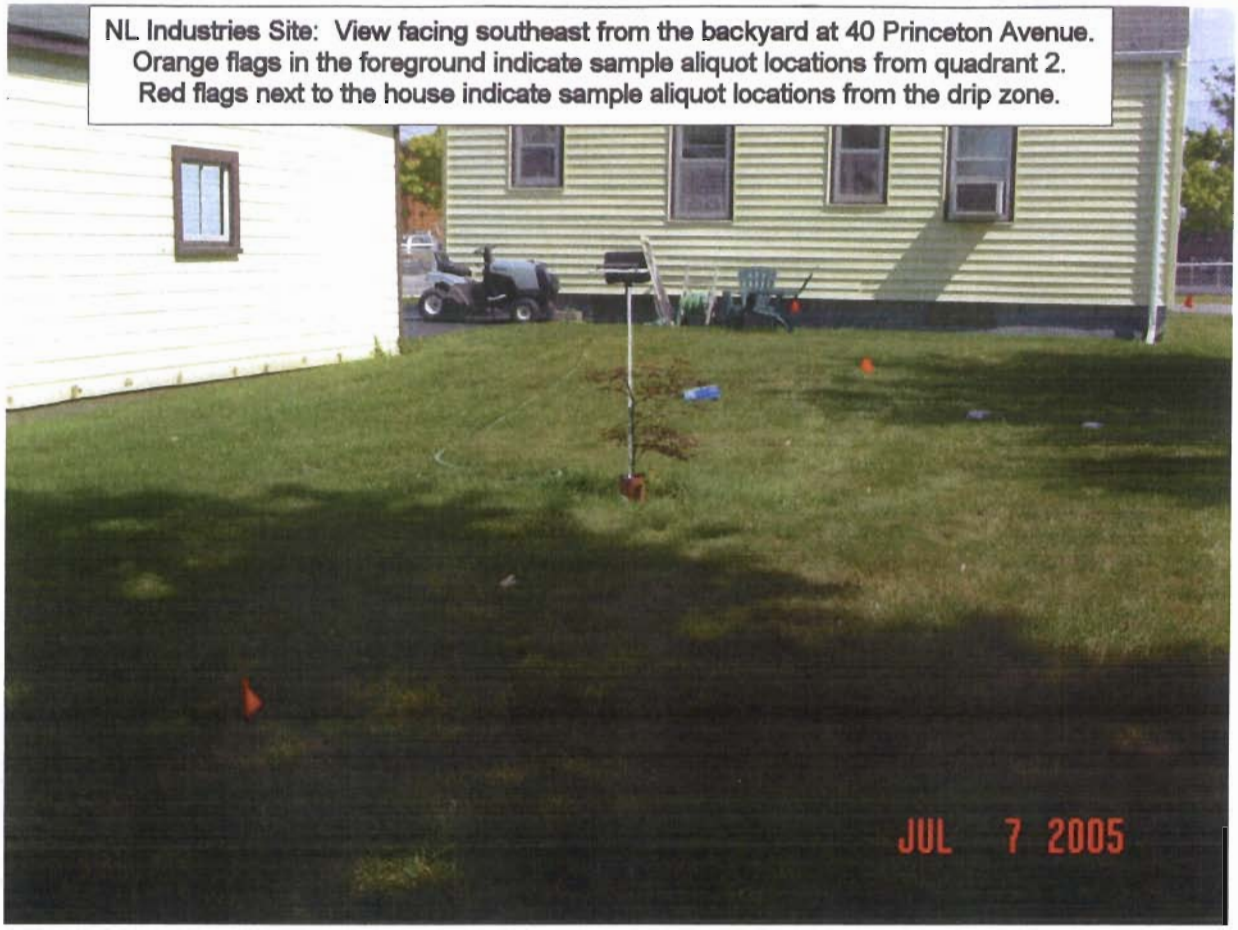


NL Industries Site: View facing north of the front yard at 40 Princeton Avenue. The orange flag in the foreground indicates a sample aliquot locaiton for quadrant 1. the red flag next to the house indicates a sample aliquot location from the drip zone.

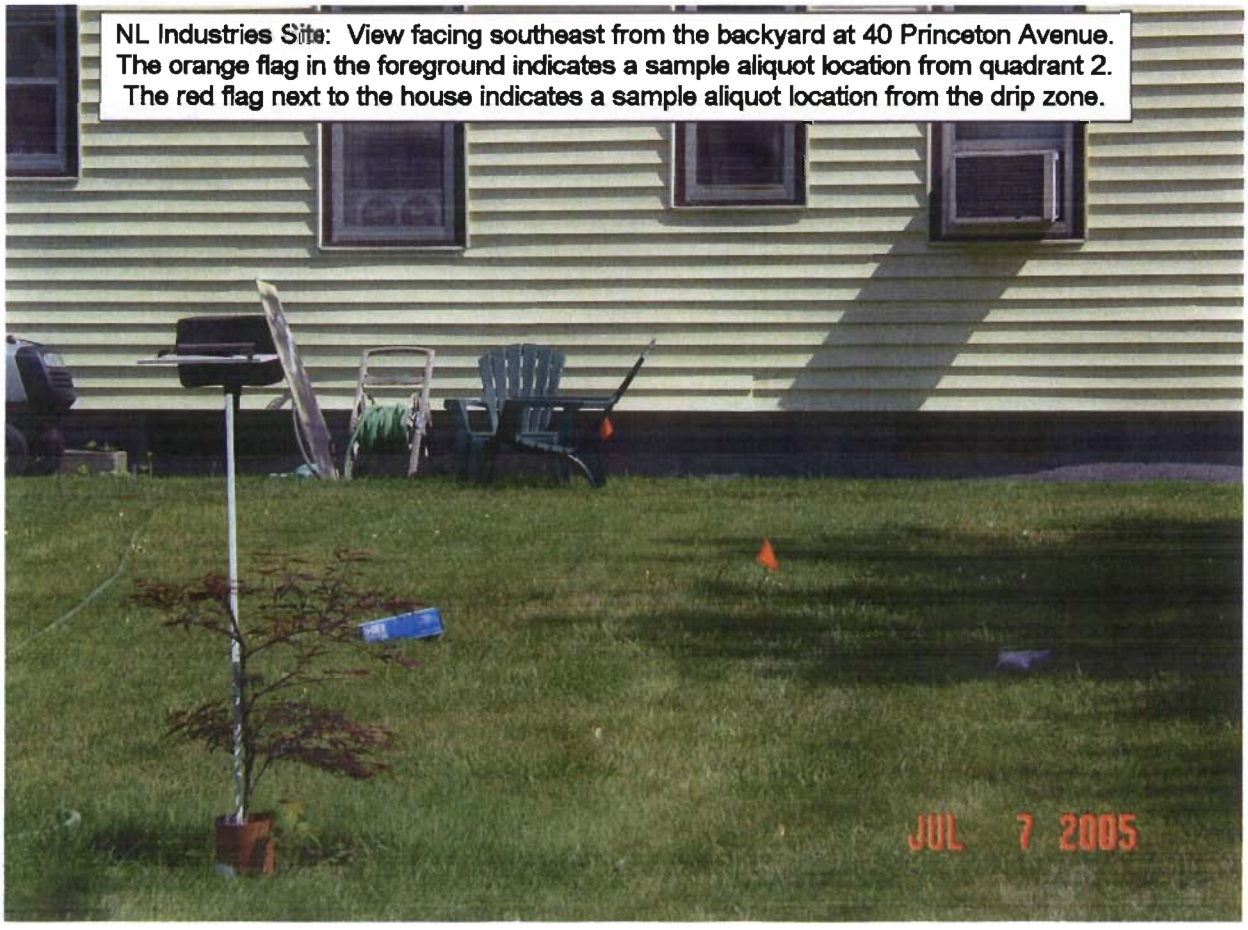


NL Industries Site: View facing north of the front yard at 40 Princeton Avenue. The orange flag in the foreground indicates a sample aliquot location for quadrant 1. The red flags next to the house indicate sample aliquot locations from the drip zone.

NL Industries Site: View facing northwest from the backyard at 40 Princeton Avenue. Orange flags indicate sample aliquot locations from quadrant 2.



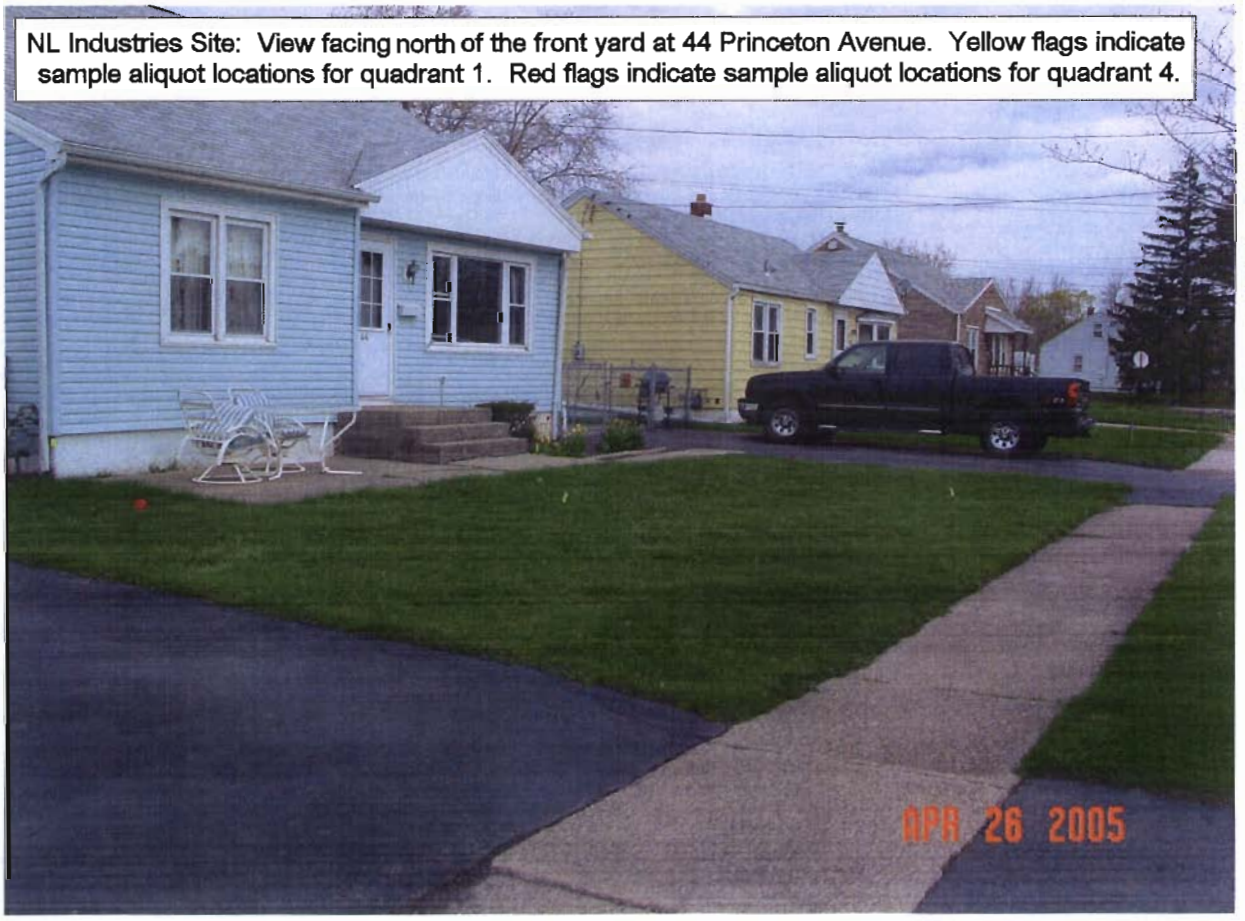
NL Industries Site: View facing southeast from the backyard at 40 Princeton Avenue. Orange flags in the foreground indicate sample aliquot locations from quadrant 2. Red flags next to the house indicate sample aliquot locations from the drip zone.



NL Industries Site: View facing southeast from the backyard at 40 Princeton Avenue. The orange flag in the foreground indicates a sample aliquot location from quadrant 2. The red flag next to the house indicates a sample aliquot location from the drip zone.

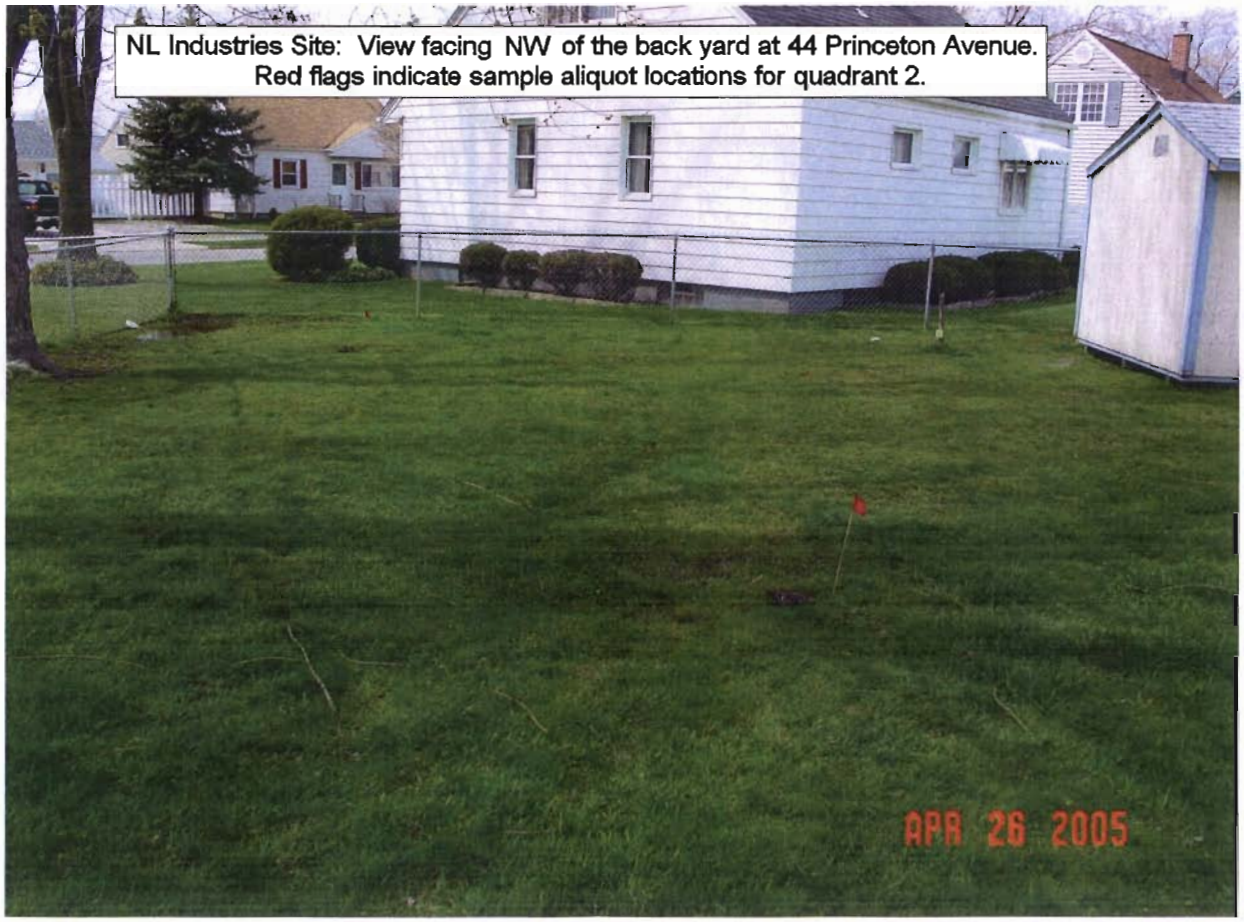
NL Industries Site: View facing southeast along the side of the house at 40 Princeton Avenue. Red flags in the foreground indicate sample aliquot locations from the drip zone. Orange flags in the background indicate sample aliquot locations from quadrant 1.

NL Industries Site: View facing west of the front yard at 44 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 1. Red flags indicate sample aliquot locations for quadrant 4.

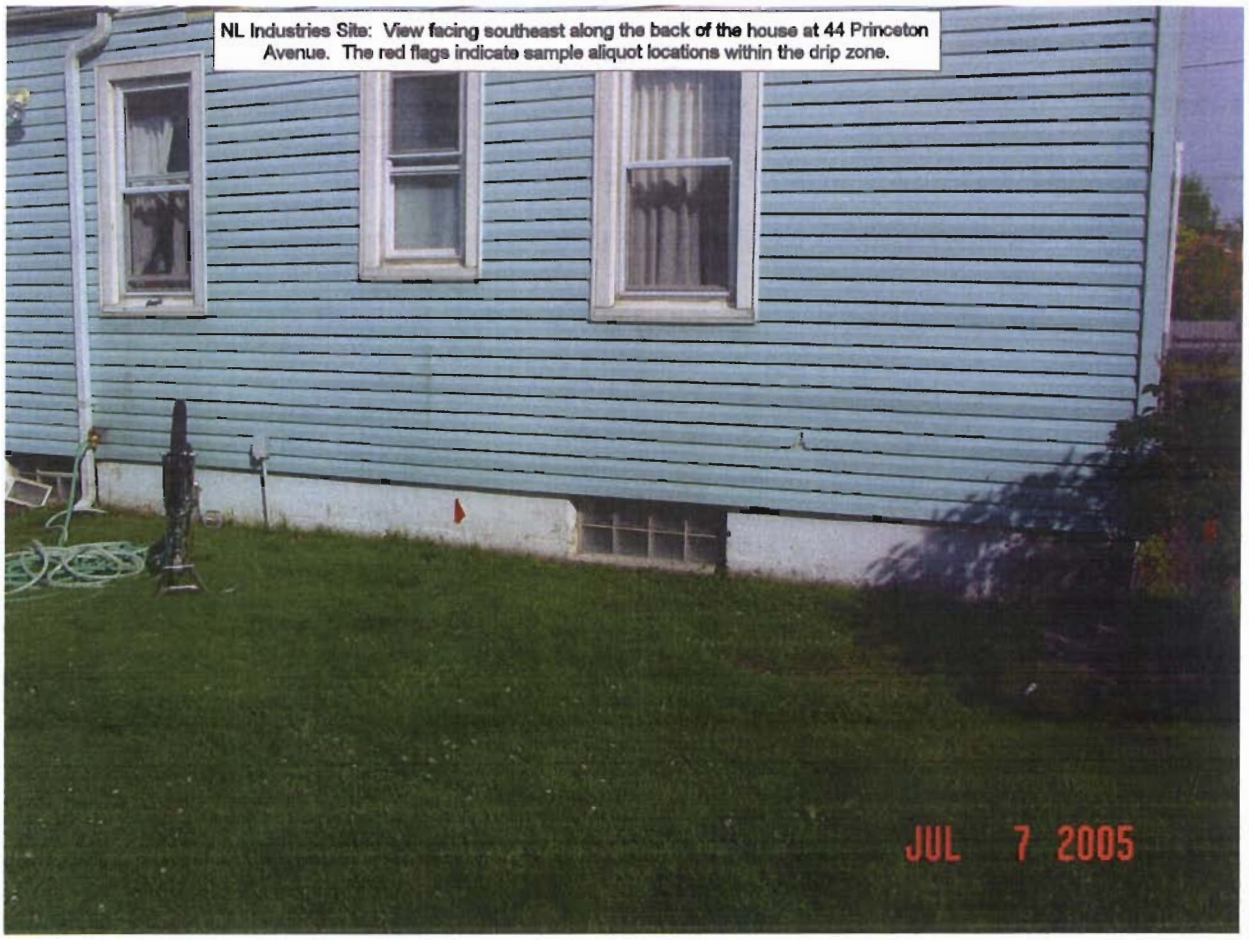


NL Industries Site: View facing north of the front yard at 44 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 1. Red flags indicate sample aliquot locations for quadrant 4.

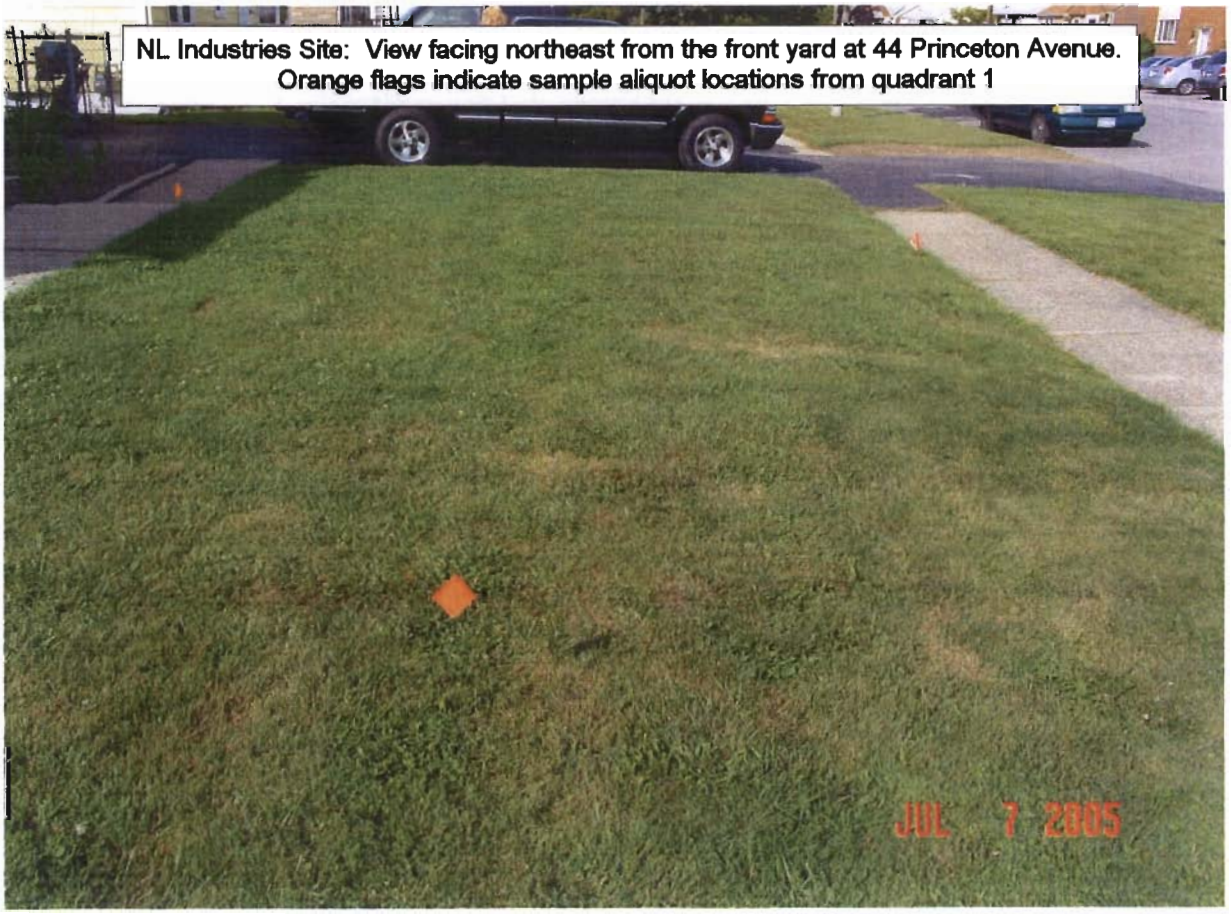
NL Industries Site: View facing south of the back yard at 44 Princeton Avenue. Yellow flags indicate sample aliquot locations for quadrant 3. Redflags indicate sample aliquot locations for quadrant 2.



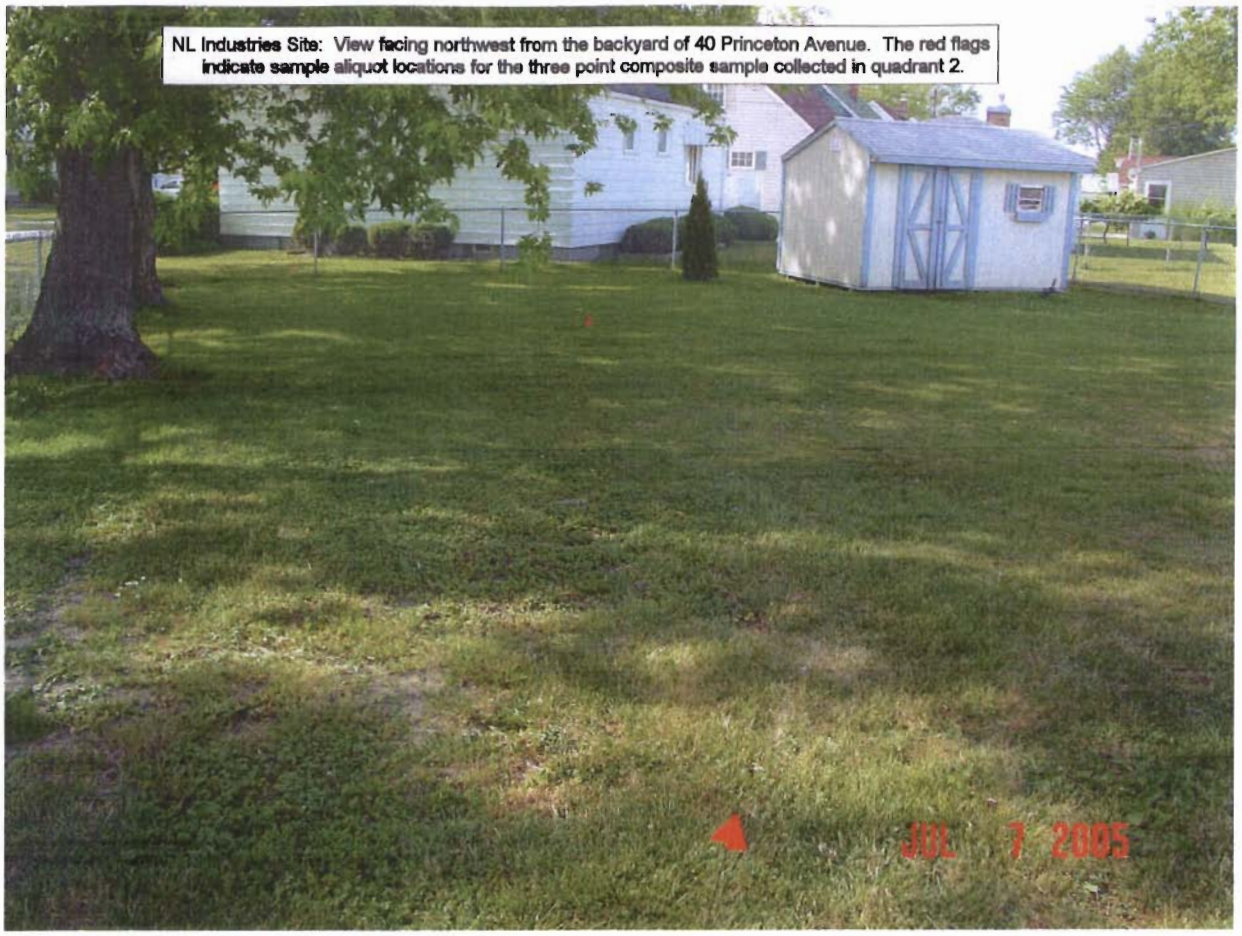
NL Industries Site: View facing NW of the back yard at 44 Princeton Avenue. Red flags indicate sample aliquot locations for quadrant 2.



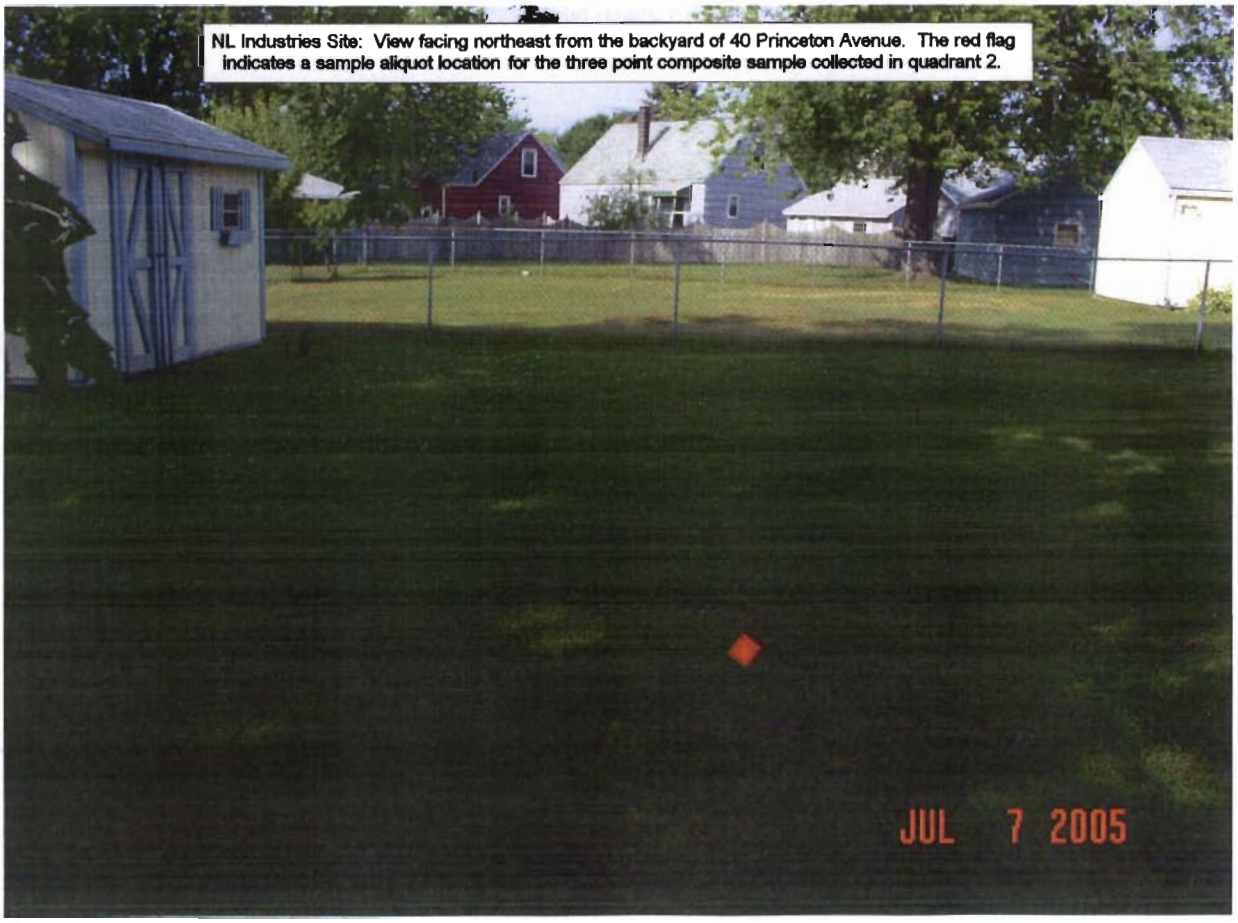
NL Industries Site: View facing southeast along the back of the house at 44 Princeton Avenue. The red flags indicate sample aliquot locations within the drip zone.



NL Industries Site: View facing northeast from the front yard at 44 Princeton Avenue. Orange flags indicate sample aliquot locations from quadrant 1

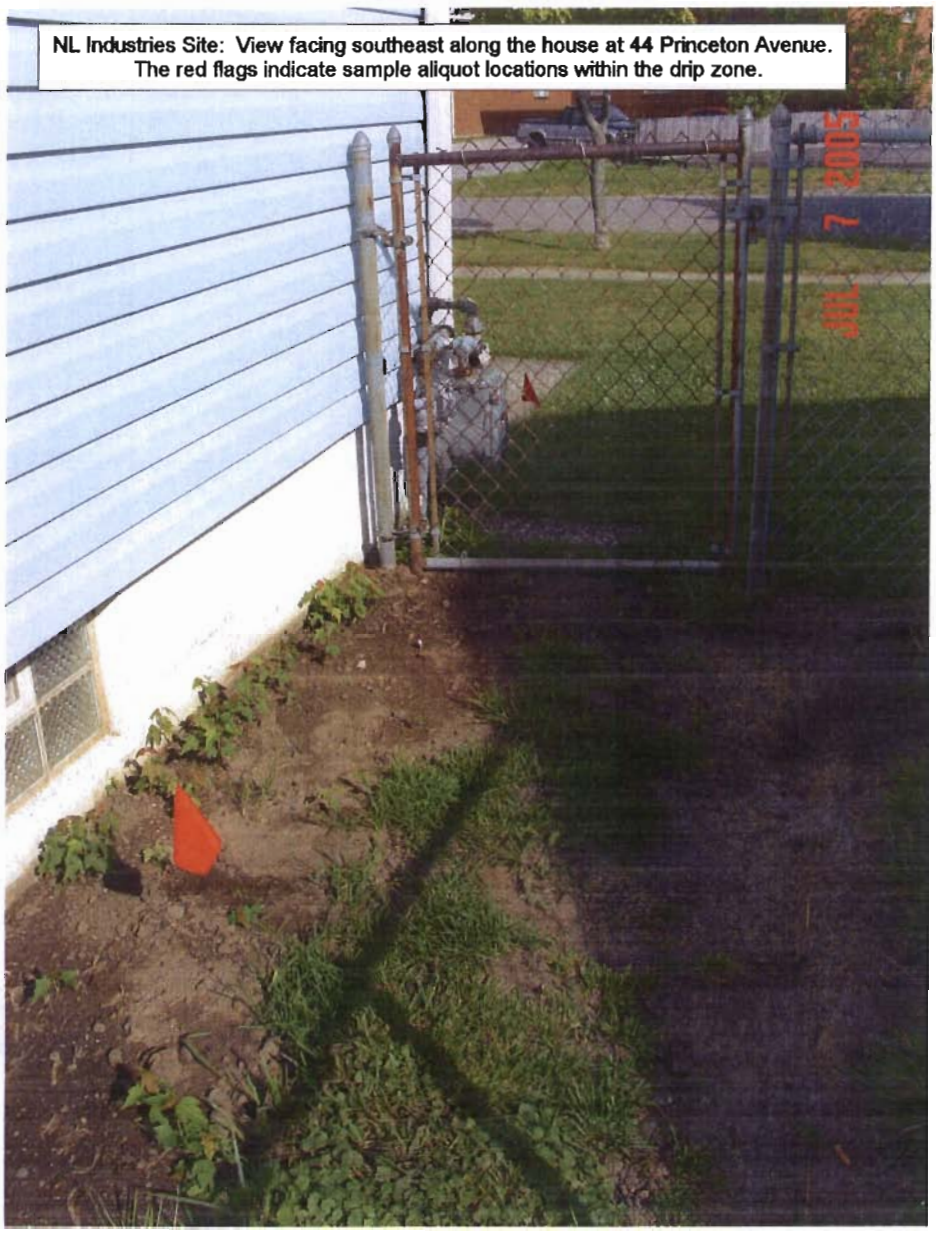


NL Industries Site: View facing northwest from the backyard of 40 Princeton Avenue. The red flags indicate sample aliquot locations for the three point composite sample collected in quadrant 2.

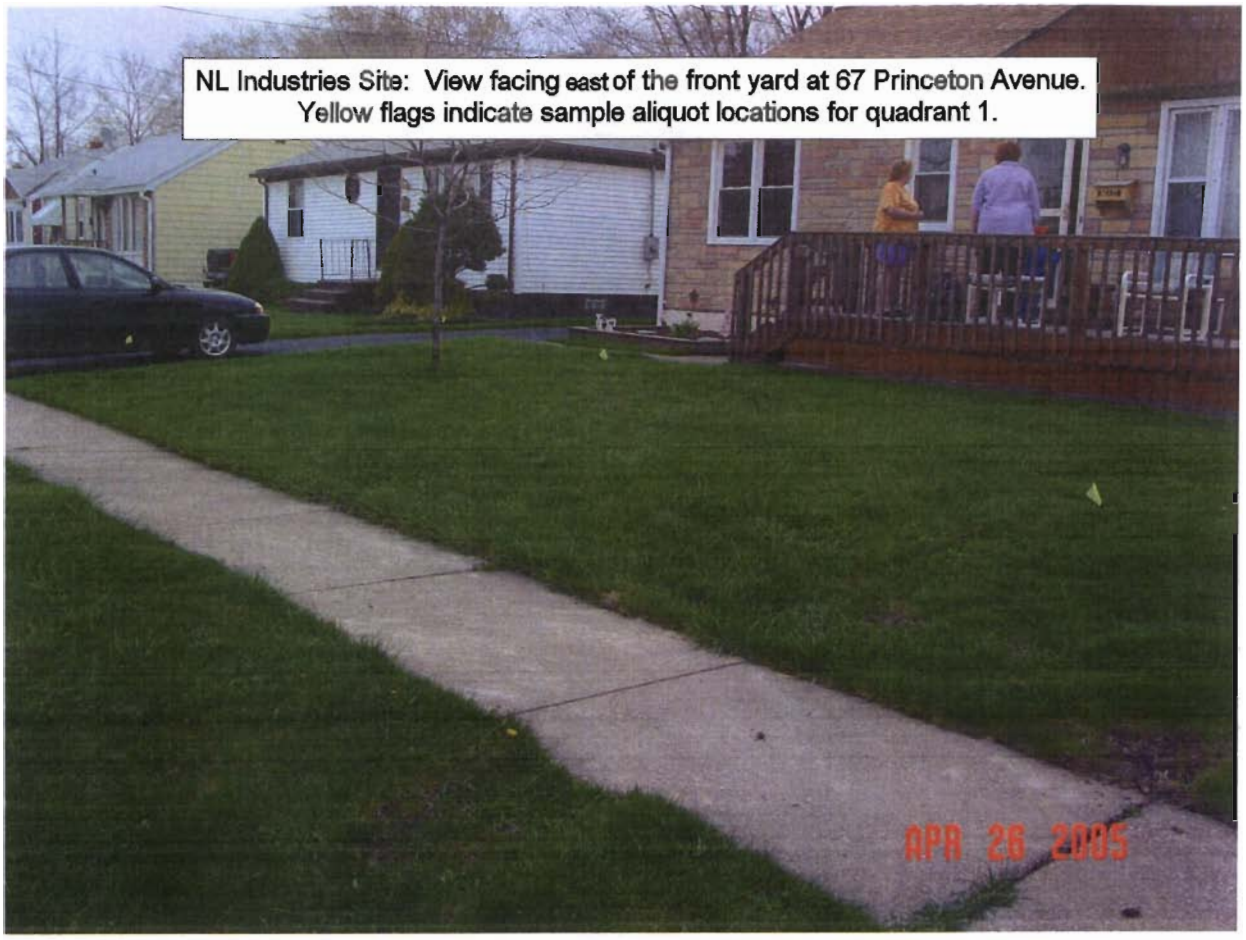


NL Industries Site: View facing northeast from the backyard of 40 Princeton Avenue. The red flag indicates a sample aliquot location for the three point composite sample collected in quadrant 2.

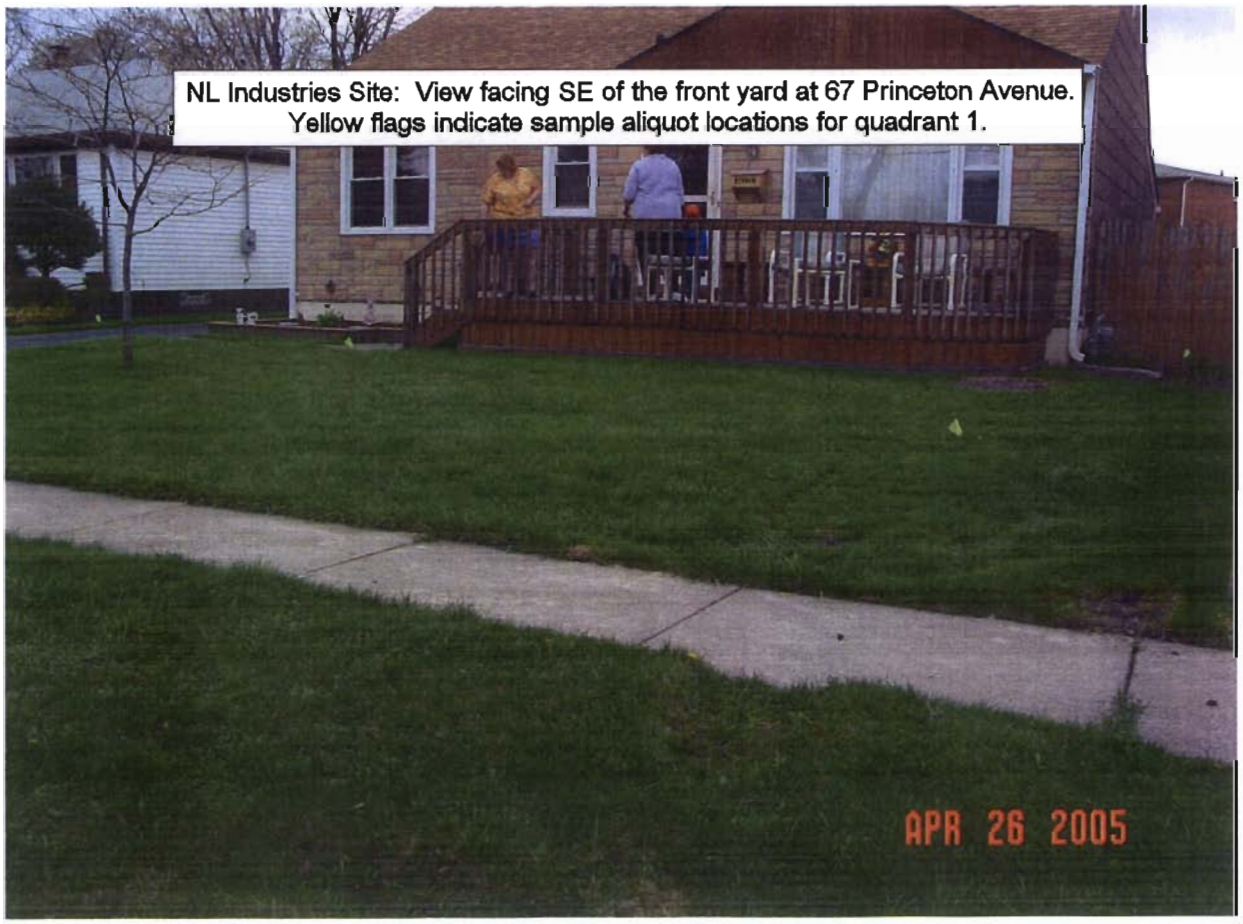
NL Industries Site: View facing southeast along the house at 44 Princeton Avenue. The red flags indicate sample aliquot locations within the drip zone.



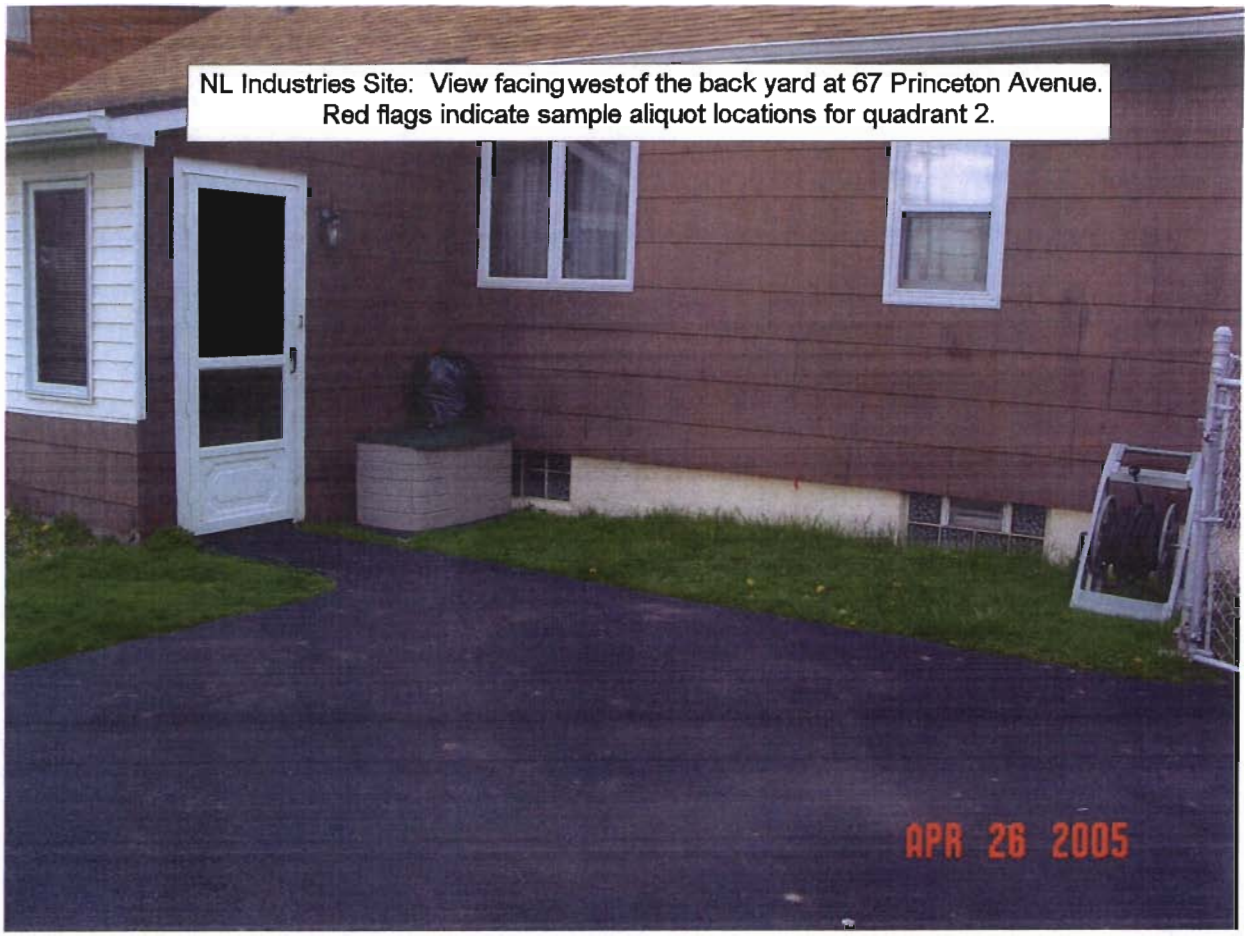
NL Industries Site: View facing southeast along the house at 44 Princeton Avenue. The red flags indicate sample aliquot locations within the drip zone.



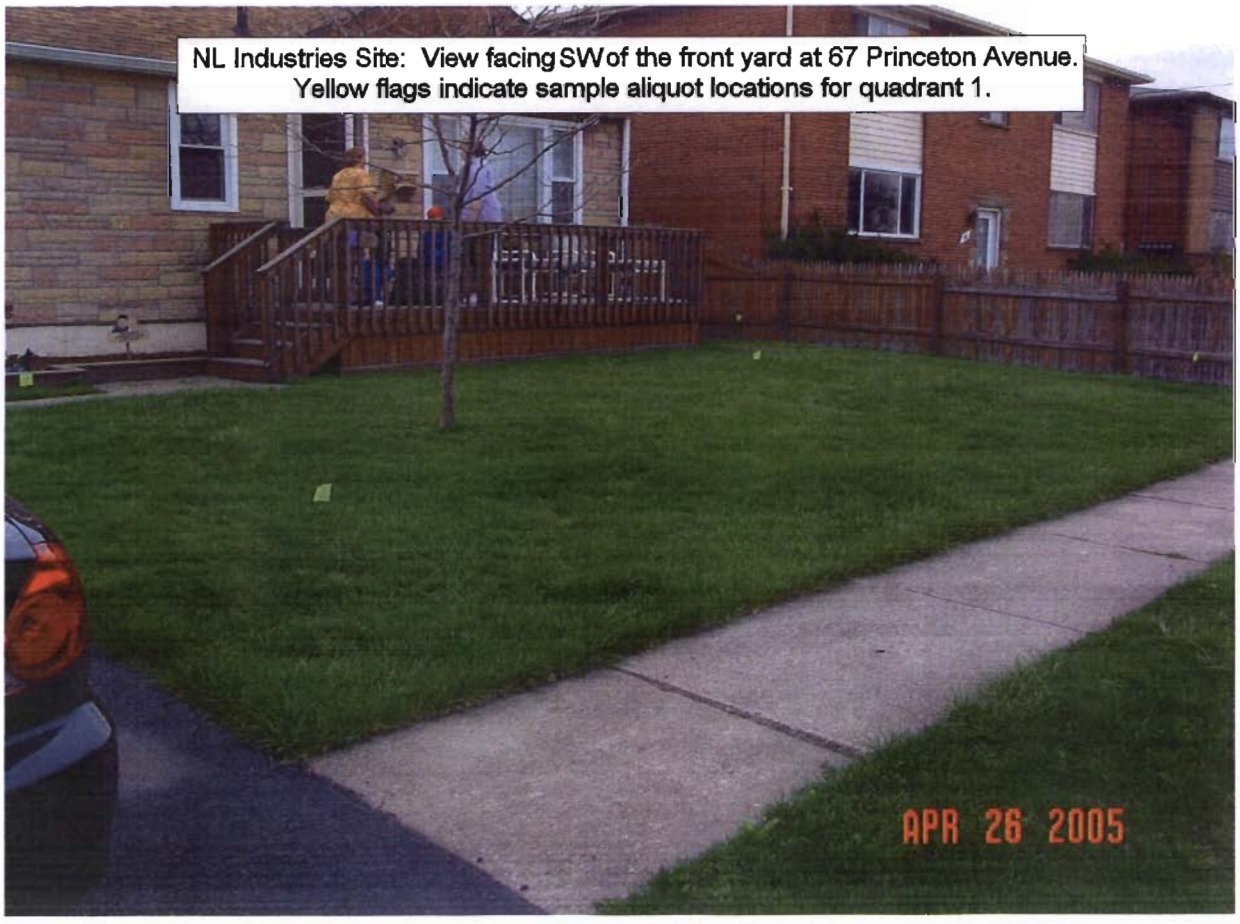
NL Industries Site: View facing east of the front yard at 67 Princeton Avenue.
Yellow flags indicate sample aliquot locations for quadrant 1.



NL Industries Site: View facing SE of the front yard at 67 Princeton Avenue.
Yellow flags indicate sample aliquot locations for quadrant 1.

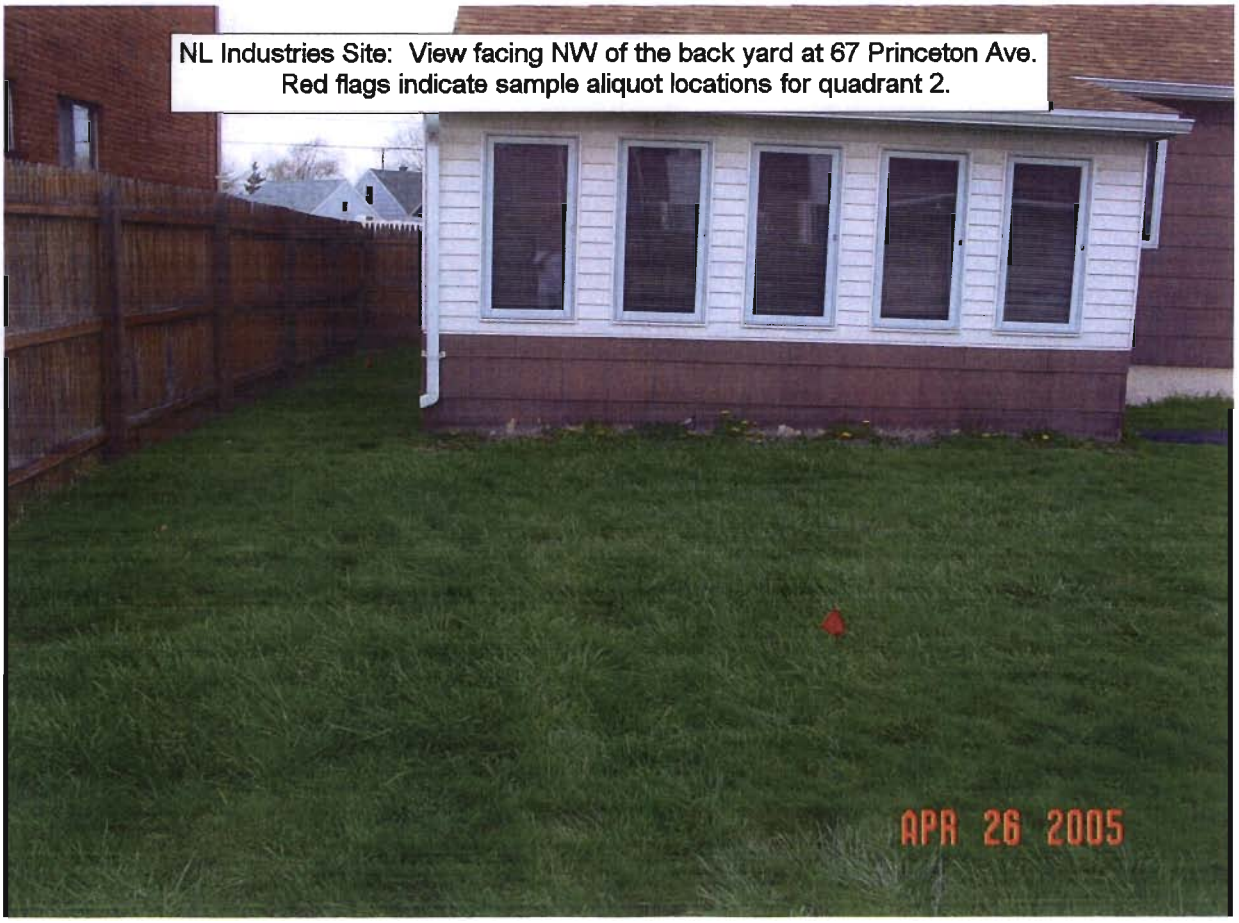


NL Industries Site: View facing west of the back yard at 67 Princeton Avenue.
Red flags indicate sample aliquot locations for quadrant 2.

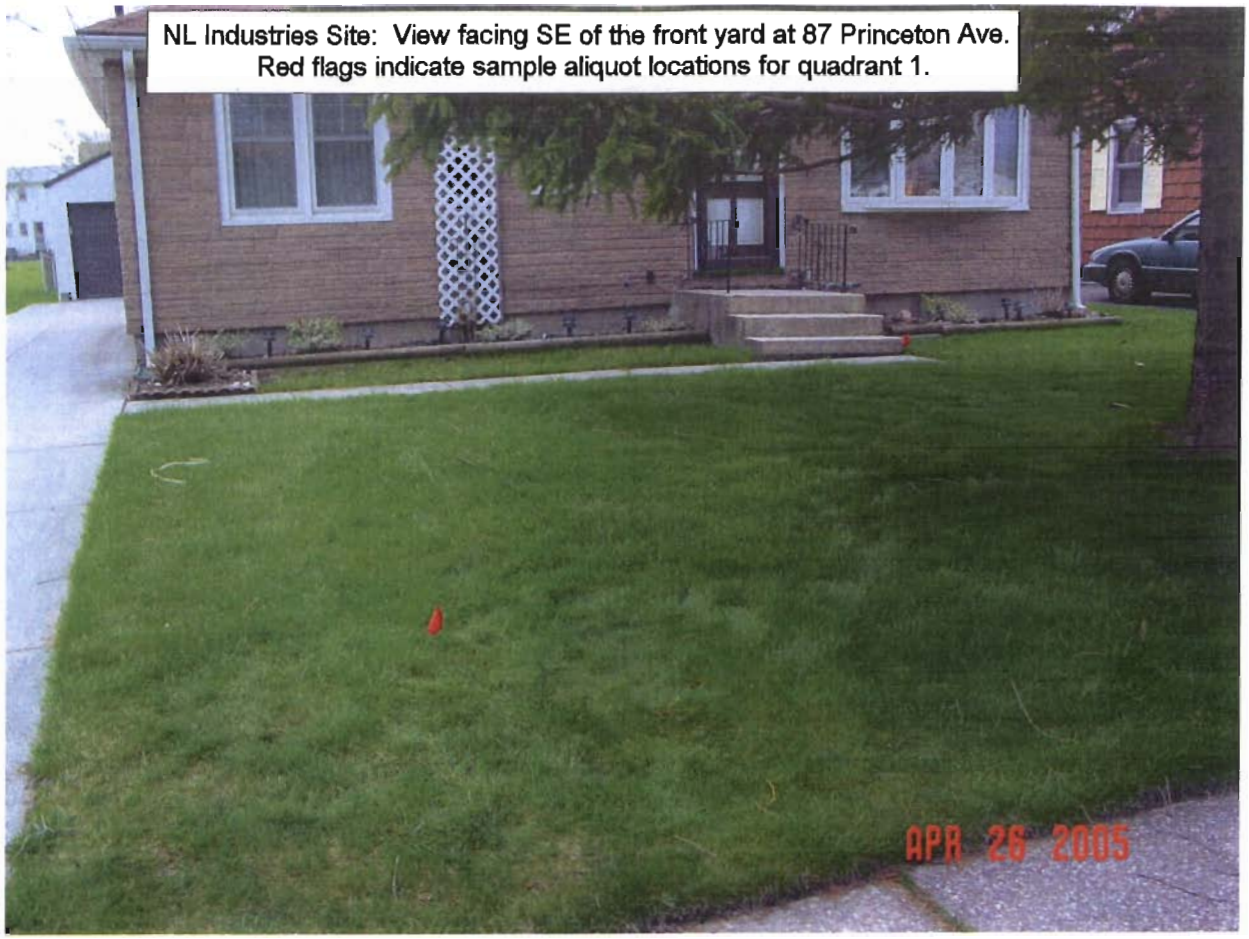


NL Industries Site: View facing SW of the front yard at 67 Princeton Avenue.
Yellow flags indicate sample aliquot locations for quadrant 1.

NL Industries Site: View facing east of the back yard at 67 Princeton Ave.
Red flags indicate sample aliquot locations for quadrant 2.



NL Industries Site: View facing NW of the back yard at 67 Princeton Ave.
Red flags indicate sample aliquot locations for quadrant 2.

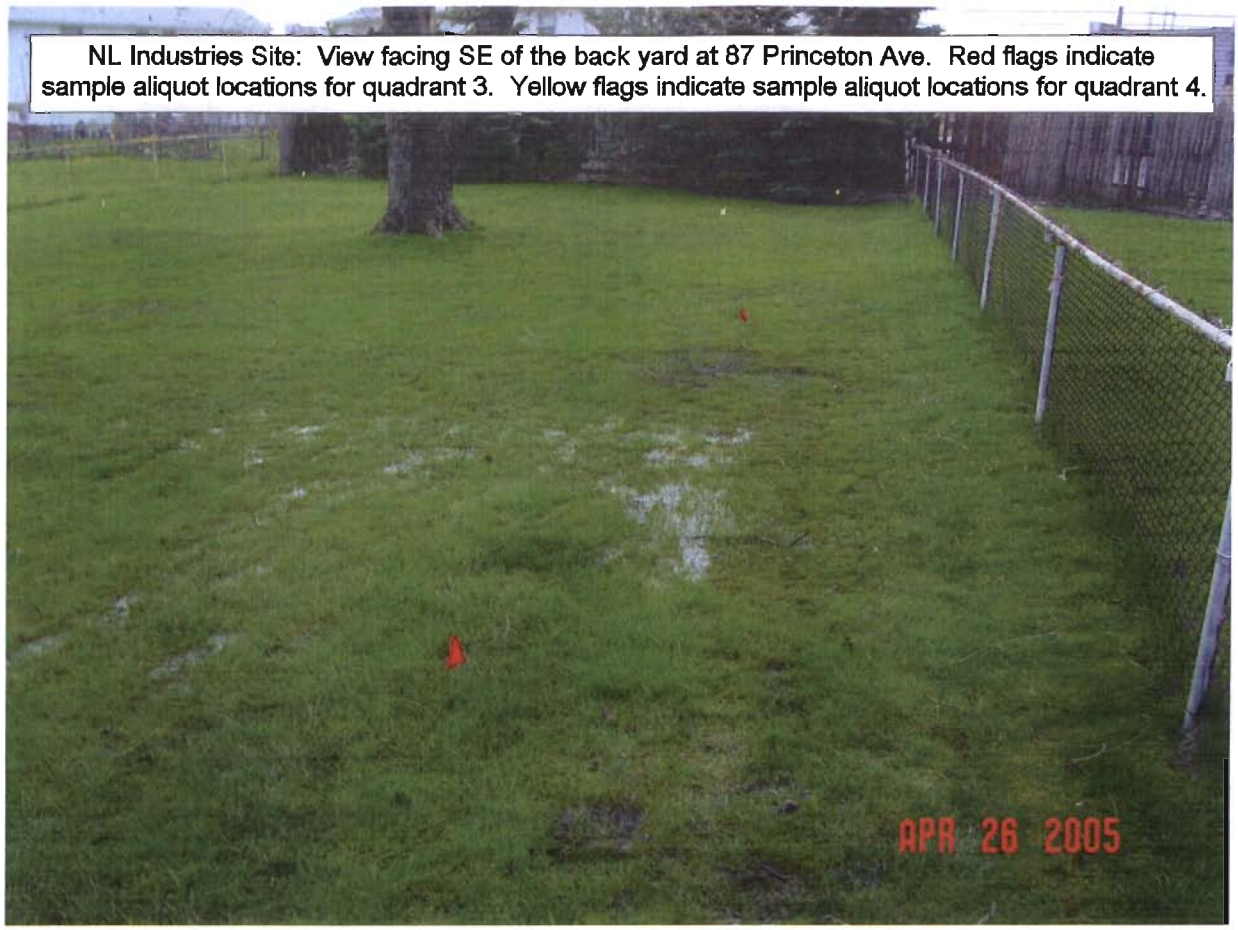


NL Industries Site: View facing SE of the front yard at 87 Princeton Ave.
Red flags indicate sample aliquot locations for quadrant 1.

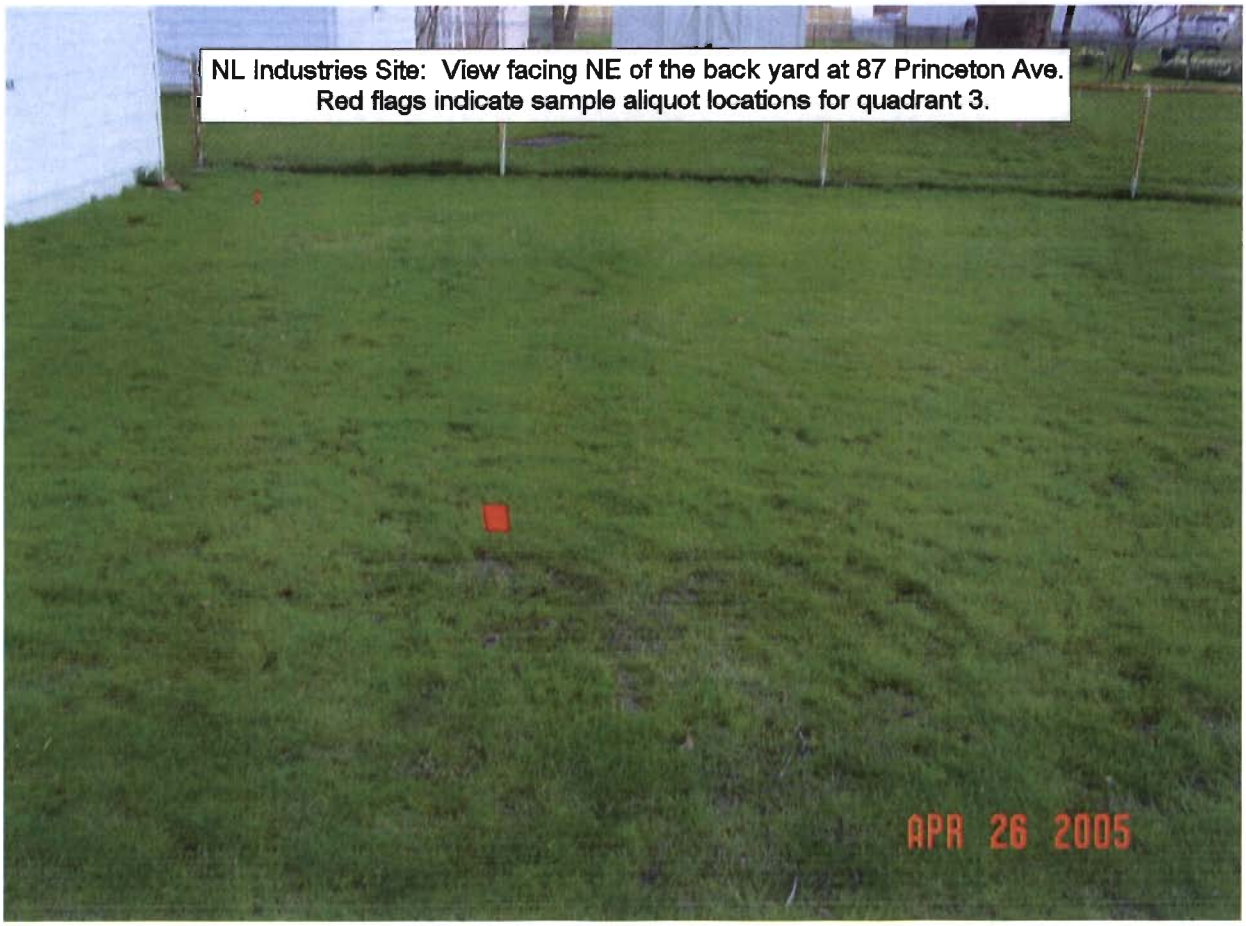
NL Industries Site: View facing SE of the front yard at 87 Princeton Ave.
Red flags indicate sample aliquot locations for quadrant 1.

NL Industries Site: View facing east of the back yard at 87 Princeton Ave. Yellow flags indicate sample aliquot locations for quadrant 2. Red flags indicate sample aliquot locations for quadrant 3.

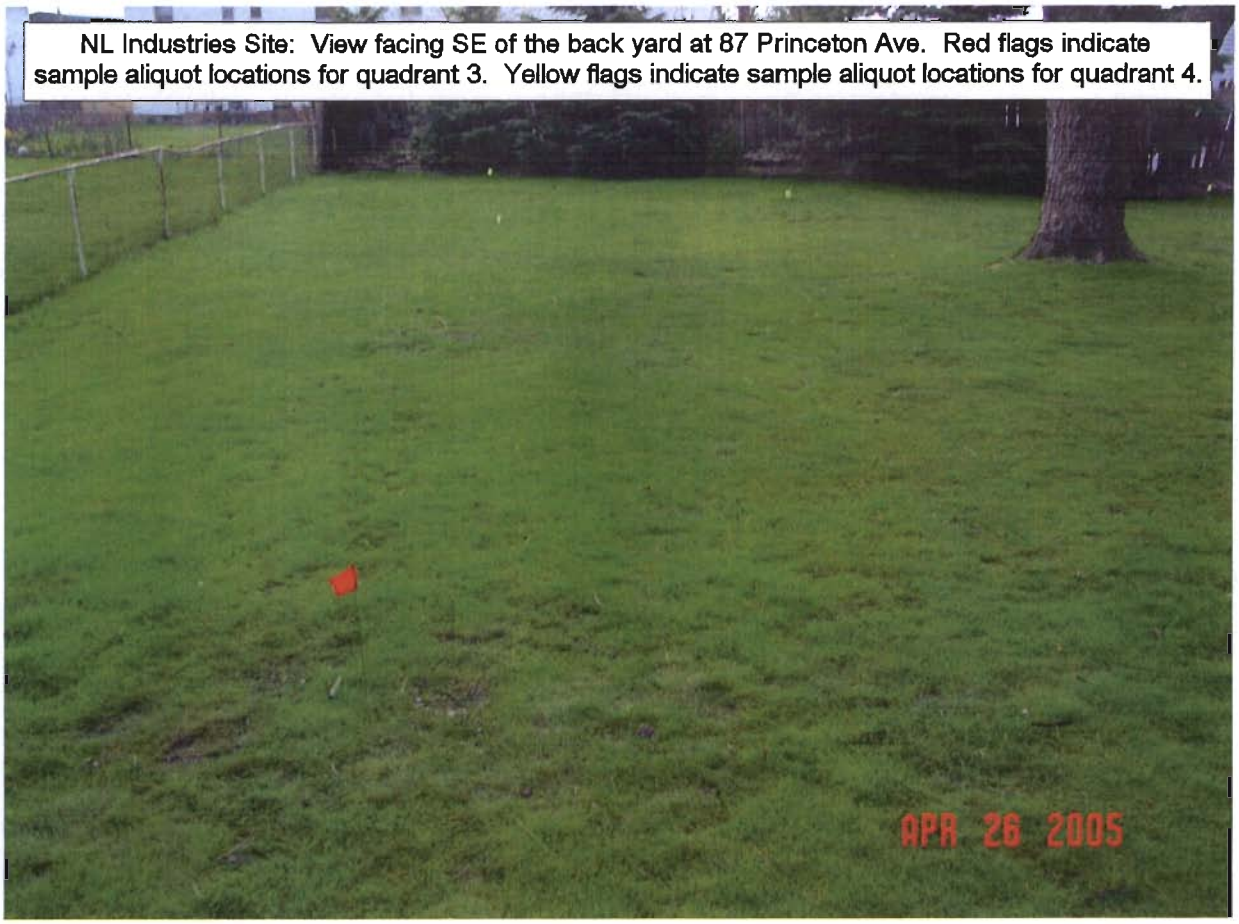
NL Industries Site: View facing NW of the back yard at 87 Princeton Ave. Yellow flags indicate sample aliquot locations for quadrant 2.



NL Industries Site: View facing SE of the back yard at 87 Princeton Ave. Red flags indicate sample aliquot locations for quadrant 3. Yellow flags indicate sample aliquot locations for quadrant 4.



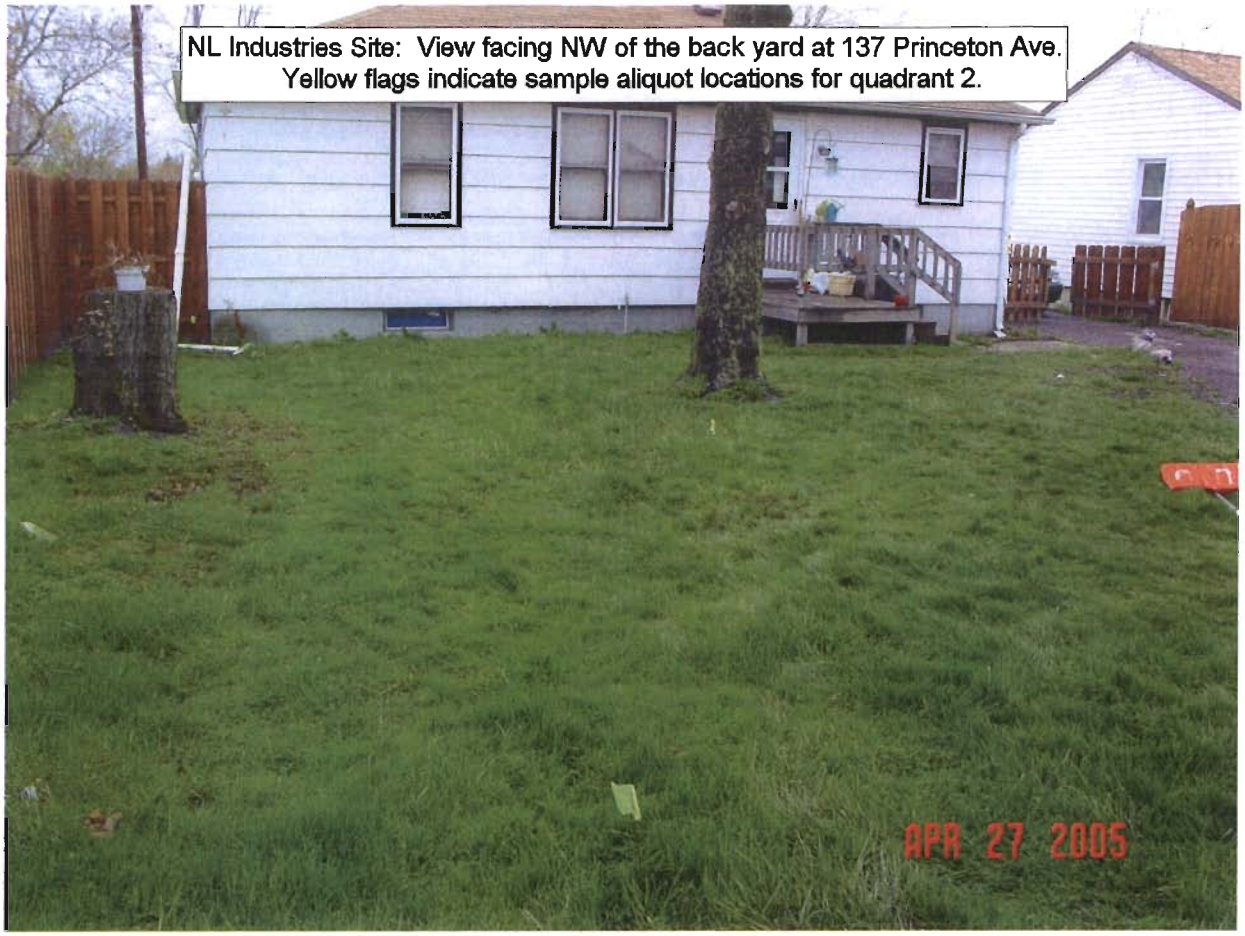
NL Industries Site: View facing NE of the back yard at 87 Princeton Ave. Red flags indicate sample aliquot locations for quadrant 3.



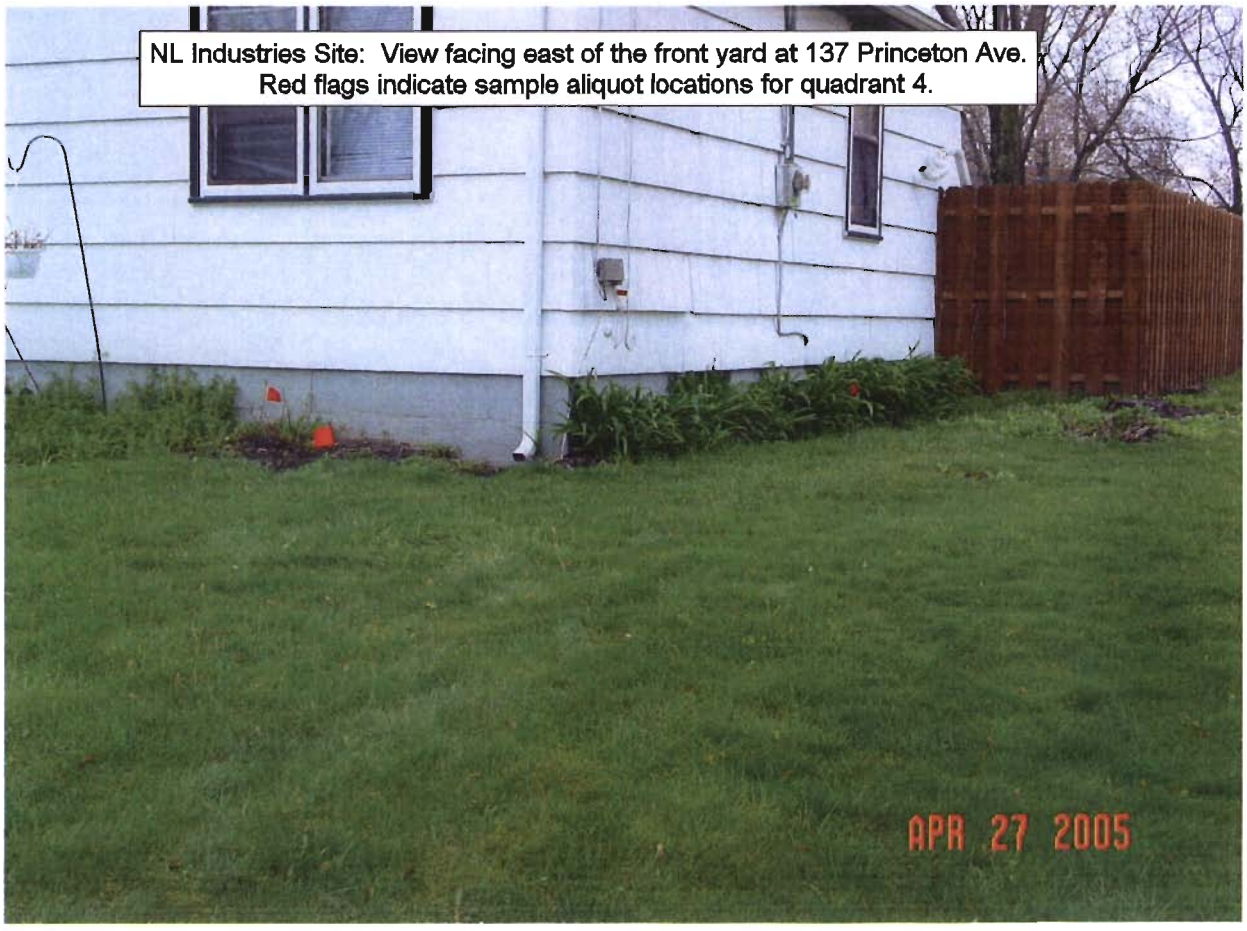
NL Industries Site: View facing SE of the back yard at 87 Princeton Ave. Red flags indicate sample aliquot locations for quadrant 3. Yellow flags indicate sample aliquot locations for quadrant 4.

NL Industries Site: View facing south of the front yard at 137 Princeton Ave. Red flags indicate sample aliquot locations for quadrant 4. Yellow flags indicate sample aliquot locations for quadrant 1.

NL Industries Site: View facing east of the front yard at 137 Princeton Ave. Red flags indicate sample aliquot locations for quadrant 4. Yellow flags indicate sample aliquot locations for quadrant 1.



NL Industries Site: View facing NW of the back yard at 137 Princeton Ave.
Yellow flags indicate sample aliquot locations for quadrant 2.



NL Industries Site: View facing east of the front yard at 137 Princeton Ave.
Red flags indicate sample aliquot locations for quadrant 4.

NL Industries Site: View facing NW of the back yard at 137 Princeton Ave. Red flags indicate sample aliquot locations for quadrant 3. Yellow flags indicate sample aliquot locations for quadrant 2.

NL Industries Site: View facing north of the back yard at 137 Princeton Ave. Red flags indicate sample aliquot locations for quadrant 3.

NL Industries Site: View facing east of the back yard at 137 Princeton Ave. Red flags indicate sample aliquot locations for quadrant 3. Yellow flags indicate sample aliquot locations for quadrant 2.

Attachment E: EPA Region II Laboratory Validated Analytical Results

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

JUN 1 0 2005

Mr. Terry Kish
Weston Solutions
205 Campus Drive
Edison, New Jersey 08837

Dear Mr. Kish:

Enclosed are the results of the NL Industries sampling survey conducted by your firm. Any correspondence concerning these results should refer to our Internal Project Number, 05040044, to uniquely identify the data. Please refer to the first page of the report and the attached narrative for a description of any remark codes used as data qualifiers. It should be noted that all data are considered to be EPA- validated.

Also, we would appreciate your completion and return of the enclosed Customer Service Survey (postcard). This will help us to evaluate and improve the responsiveness of our Laboratory to your needs.

If you have any questions you can contact me by phone at (732) 906-6886, by fax at (732) 906-6165 or via the Internet at "birri.john@epa.gov".

Sincerely,

John Birri
Special Projects Coordinator
Laboratory Branch

Enclosure

Case Narrative:
NL Industries #05040044

The Laboratory has met all data quality objectives, e.g., Target Reporting Limits, Accuracy and Precision, established for this project except were noted below.

Comment(s):

None

Reporting Limit(s):

The Laboratory was able to achieve the Contract Required Quantitation Limits (CRQLs), where applicable, for each analyte requested.

Method(s):

TAL Metals Analysis (Lead), EPA SOP C-109 (ICP/AES Method)

Approval: J. R. Thelen Date: 6-8-05

U.S. Environmental Protection Agency
Region 2 Laboratory

Data Report: NL INDUSTRIES

Project Number: 05040044

Program: Y206

Project Leader: DAN HARKAY

Remark Codes	Explanation
U	THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT.
J	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE.
UJ	THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT. THE REPORTING LIMIT IS AN ESTIMATE.
N	THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION.
NJ	THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION. THE REPORTED VALUE IS AN ESTIMATE.
R	THE PRESENCE OR ABSENCE OF THE ANALYTE CANNOT BE DETERMINED FROM THE DATA DUE TO SEVERE QUALITY CONTROL PROBLEMS. THE DATA ARE REJECTED AND CONSIDERED UNUSABLE.
K	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED HIGH. THE ACTUAL VALUE IS EXPECTED TO BE LESS THAN THE REPORTED VALUE.
L	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED LOW. THE ACTUAL VALUE IS EXPECTED TO BE GREATER THAN THE REPORTED VALUE.
NV	NOT VALIDATED
INC	RESULT NOT ENTERED

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00896 Field/Station ID: UM-0001 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	69		mg/Kg

AG00897 Field/Station ID: UM-0002 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	84		mg/Kg

AG00898 Field/Station ID: UM-0003 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	85		mg/Kg

AG00899 Field/Station ID: UM-0004 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	88		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00900 Field/Station ID: UM-0005 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	3		mg/Kg

AG00901 Field/Station ID: UM-0006 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	731		mg/Kg

AG00902 Field/Station ID: UM-0007 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	46		mg/Kg

AG00903 Field/Station ID: UM-0008 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	56		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00904 Field/Station ID: UM-0009 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	140		mg/Kg

AG00905 Field/Station ID: UM-0010 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	410		mg/Kg

AG00906 Field/Station ID: UM-0011 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	140		mg/Kg

AG00907 Field/Station ID: UM-0012 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	84		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00908 Field/Station ID: UM-0013 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	900		mg/Kg

AG00909 Field/Station ID: UM-0014 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	1400		mg/Kg

AG00910 Field/Station ID: UM-0015 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	86		mg/Kg

AG00911 Field/Station ID: UM-0016 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	240		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00912 Field/Station ID: UM-0017 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	1200		mg/Kg

AG00913 Field/Station ID: UM-0018 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	1000		mg/Kg

AG00914 Field/Station ID: UM-0019 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	150		mg/Kg

AG00915 Field/Station ID: UM-0020 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	480		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00916 Field/Station ID: UM-0021 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	20		mg/Kg

AG00917 Field/Station ID: UM-0022 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	150		mg/Kg

AG00918 Field/Station ID: UM-0023 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	210		mg/Kg

AG00919 Field/Station ID: UM-0024 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	74		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00920 Field/Station ID: UM-0025 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	110		mg/Kg

AG00921 Field/Station ID: UM-0026 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	36		mg/Kg

AG00922 Field/Station ID: UM-0027 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	82		mg/Kg

AG00923 Field/Station ID: UM-0028 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	280		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00924 Field/Station ID: UM-0029 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	86		mg/Kg

AG00925 Field/Station ID: UM-0030 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	140		mg/Kg

AG00926 Field/Station ID: UM-0031 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	120		mg/Kg

AG00927 Field/Station ID: UM-0032 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	200		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00928 Field/Station ID: UM-0033 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	110		mg/Kg

AG00929 Field/Station ID: UM-0034 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	240		mg/Kg

AG00930 Field/Station ID: UM-0035 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	78		mg/Kg

AG00931 Field/Station ID: UM-0036 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	180		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00932 Field/Station ID: UM-0037 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	110		mg/Kg

AG00933 Field/Station ID: UM-0038 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	57		mg/Kg

AG00934 Field/Station ID: UM-0039 Date Received: 4/28/2005
Matrix: Aqueous

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	[illegible]	U	ug/L

AG00935 Field/Station ID: UM-0040 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	130		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00936 Field/Station ID: UM-0041 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	150		mg/Kg

AG00937 Field/Station ID: UM-0042 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	160		mg/Kg

AG00938 Field/Station ID: UM-0043 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	106		mg/Kg

AG00939 Field/Station ID: UM-0044 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	195		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00940 Field/Station ID: UM-0045 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	61		mg/Kg

AG00941 Field/Station ID: UM-0046 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	99		mg/Kg

AG00942 Field/Station ID: UM-0047 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	26		mg/Kg

AG00943 Field/Station ID: UM-0048 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	310		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00944 Field/Station ID: UM-0049 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	400		mg/Kg

AG00945 Field/Station ID: UM-0050 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	410		mg/Kg

AG00946 Field/Station ID: UM-0051 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	210		mg/Kg

AG00947 Field/Station ID: UM-0052 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	370		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00948 Field/Station ID: UM-0053 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	140		mg/Kg

AG00949 Field/Station ID: UM-0054 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	140		mg/Kg

AG00950 Field/Station ID: UM-0055 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	1,300		mg/Kg

AG00951 Field/Station ID: UM-0056 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	1,300		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00952 Field/Station ID: UM-0057 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	92		mg/Kg

AG00953 Field/Station ID: UM-0058 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	160		mg/Kg

AG00954 Field/Station ID: UM-0059 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	140		mg/Kg

AG00955 Field/Station ID: UM-0060 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	280		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00956 Field/Station ID: UM-0061 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	480		mg/Kg

AG00957 Field/Station ID: UM-0062 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	690		mg/Kg

AG00958 Field/Station ID: UM-0063 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	2,800		mg/Kg

AG00959 Field/Station ID: UM-0064 Date Received: 4/28/2005
Matrix: Soil
Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	545		mg/Kg

U.S. EPA Region 2 Laboratory
Data Report

Survey Name: NL INDUSTRIES

Project Number: 05040044

*Sorted By Sample ID

AG00960 Field/Station ID: UM-0065 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	330		mg/Kg

AG00961 Field/Station ID: UM-0066 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	420		mg/Kg

AG00962 Field/Station ID: UM-0067 Date Received: 4/28/2005
Matrix: Soil

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	410		mg/Kg

AG00963 Field/Station ID: UM-0068 Date Received: 4/28/2005
Matrix: Aqueous

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	7.0U		ug/L

Refer to Page 1 for an explanation of Remark Codes

Project Approval: _____ Date: 6-8-05

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

JUL 19 2005

Mr. Terry Kish
Weston Solutions
205 Campus Drive
Edison, New Jersey 08837

Dear Mr. Kish:

Enclosed are the results of the NL Industries sampling survey conducted by your firm. Any correspondence concerning these results should refer to our Internal Project Number, 05070023, to uniquely identify the data. Please refer to the first page of the report and the attached narrative for a description of any remark codes used as data qualifiers. It should be noted that all data are considered to be EPA- validated.

Also, we would appreciate your completion and return of the enclosed Customer Service Survey (postcard). This will help us to evaluate and improve the responsiveness of our Laboratory to your needs.

If you have any questions you can contact me by phone at (732) 906-6886, by fax at (732) 906-6165 or via the Internet at "birri.john@epa.gov".

Sincerely,

John Birri
Special Projects Coordinator
Laboratory Branch

Enclosures

Case Narrative:
NL Industries #05070023

The Laboratory has met all data quality objectives, e.g., Target Reporting Limits, Accuracy and Precision, established for this project except were noted below.

Comment(s):

None

Reporting Limit(s):

The Laboratory was able to achieve the Contract Required Quantitation Limits (CRQLs), where applicable, for each analyte requested.

Method(s):

TAL Metals Analysis (Lead), EPA SOP C-109 (ICP/AES Method)

Approval: _____ Date: 7-18-05

U.S. Environmental Protection Agency
Region 2 Laboratory

Data Report: NL INDUSTRIES

Project Number: 05070023

Program: Y206

Project Leader: TERRY KISH

Remark Codes	Explanation
U	THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT.
J	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE.
UJ	THE ANALYTE WAS NOT DETECTED AT OR ABOVE THE REPORTING LIMIT. THE REPORTING LIMIT IS AN ESTIMATE.
N	THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION.
NJ	THERE IS PRESUMPTIVE EVIDENCE THAT THE ANALYTE IS PRESENT; THE ANALYTE IS REPORTED AS A TENTATIVE IDENTIFICATION. THE REPORTED VALUE IS AN ESTIMATE.
R	THE PRESENCE OR ABSENCE OF THE ANALYTE CANNOT BE DETERMINED FROM THE DATA DUE TO SEVERE QUALITY CONTROL PROBLEMS. THE DATA ARE REJECTED AND CONSIDERED UNUSABLE.
K	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED HIGH. THE ACTUAL VALUE IS EXPECTED TO BE LESS THAN THE REPORTED VALUE.
L	THE IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE MAY BE BIASED LOW. THE ACTUAL VALUE IS EXPECTED TO BE GREATER THAN THE REPORTED VALUE.
NV	NOT VALIDATED
INC	RESULT NOT ENTERED

Survey Name: NL INDUSTRIES

Project Number: 05070023

*Sorted By Sample ID

AG02737 Field/Station ID: 32TYLE-S-1 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	50		mg/Kg

AG02738 Field/Station ID: 32TYLE-SS-1 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	350		mg/Kg

AG02739 Field/Station ID: 32TYLE-S-2 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	210		mg/Kg

AG02740 Field/Station ID: 32TYLE-SS-2 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	150		mg/Kg

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Survey Name: NL INDUSTRIES

Project Number: 05070023

*Sorted By Sample ID

AG02741 Field/Station ID: 32TYLE-S-3 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	420		mg/Kg

AG02742 Field/Station ID: 32TYLE-SS-3 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	1170		mg/Kg

AG02743 Field/Station ID: 16TYLE-S-1 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	680		mg/Kg

AG02744 Field/Station ID: 16TYLE-SS-1 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	380		mg/Kg

Refer to Page 1 for an explanation of Remark Codes

U.S. EPA Region 2 Laboratory
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Survey Name: NL INDUSTRIES

Project Number: 05070023

*Sorted By Sample ID

AG02745 Field/Station ID: 16TYLE-S-2 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	760		mg/Kg

AG02746 Field/Station ID: 16TYLE-S-22 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	610		mg/Kg

AG02747 Field/Station ID: 16TYLE-SS-2 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	1,200		mg/Kg

AG02748 Field/Station ID: 16TYLE-S-3 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	1,500		mg/Kg

Survey Name: NL INDUSTRIES

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*Sorted By Sample ID

AG02749 Field/Station ID: 16TYLE-SS-3 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	60		mg/Kg

AG02750 Field/Station ID: 16TYLE-S-4 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	840		mg/Kg

AG02751 Field/Station ID: 16TYLE-SS-4 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	460		mg/Kg

AG02752 Field/Station ID: 26TYLE-CS Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	28		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05070023

*Sorted By Sample ID

AG02753 Field/Station ID: RB-70605 Date Received: 7/11/2005
Matrix: Aqueous

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	[illegible]	[illegible]	ug/L

AG02754 Field/Station ID: 44TYLE-S-1 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	720		mg/Kg

AG02755 Field/Station ID: 44TYLE-SS-1 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	520		mg/Kg

AG02756 Field/Station ID: 44TYLE-S-2 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	1,200		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05070023

*Sorted By Sample ID

AG02757 Field/Station ID: 44TYLE-SS-2 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	630		mg/Kg

AG02758 Field/Station ID: 44TYLE-S-3 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	2750		mg/Kg

AG02759 Field/Station ID: 44TYLE-SS-3 Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	670		mg/Kg

AG02760 Field/Station ID: 40PRIN-S-1A Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	71		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05070023

*Sorted By Sample ID

AG02761 Field/Station ID: 40PRIN-SS-1A Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	45		mg/Kg

AG02762 Field/Station ID: 40PRIN-S-2A Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	83		mg/Kg

AG02763 Field/Station ID: 40PRIN-SS-2A Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	58		mg/Kg

AG02764 Field/Station ID: 40PRIN-S-DZ Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	2400		mg/Kg

Survey Name: NL INDUSTRIES

Project Number: 05070023

*Sorted By Sample ID

AG02765 Field/Station ID: 40PRIN-SS-DZ Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	930		mg/Kg

AG02766 Field/Station ID: 44PRIN-S-DZ Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	4200		mg/Kg

AG02767 Field/Station ID: 45PRIN-S-DZ Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	4300		mg/Kg

AG02768 Field/Station ID: 44PRIN-SS-DZ Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	500		mg/Kg

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Survey Name: NL INDUSTRIES

Project Number: 05070023

*Sorted By Sample ID

AG02769 Field/Station ID: 44PRIN-S-1A Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	40		mg/Kg

AG02770 Field/Station ID: 44PRIN-SS-1A Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	50		mg/Kg

AG02771 Field/Station ID: 44PRIN-S-2A Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	240		mg/Kg

AG02772 Field/Station ID: 44PRIN-SS-2A Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	210		mg/Kg

U.S. EPA Region 2 Laboratory
Data Report

Survey Name: NL INDUSTRIES

Project Number: 05070023

*Sorted By Sample ID

AG02773 Field/Station ID: 26BOST-CS Date Received: 7/11/2005
Matrix: Soil/Sediment

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	48		mg/Kg

AG02774 Field/Station ID: RB-70705 Date Received: 7/11/2005
Matrix: Aqueous

Sample Description:

Single Component Analyses

CAS Number	Analyte Name	Result	Remark Codes	Units
7439-92-1	LEAD	2.5	70U	ug/L

Project Approval: _____ **Date:** 7-18-05

Refer to Page 1 for an explanation of Remark Codes

Report Date: 7/18/2005 11:52AM