

**ENVIRONMENTAL
ASSOCIATES, INC.**

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NW2701
N. Woodinville 195 LLC
RECEIVED

FEB 20 2013

**DEPT OF ECOLOGY
TCP - NWRO**

1st Q

November 30, 2011

JN-28260-3

North Woodinville 195, LLC
c/o Mr. Chris Fusetti
Sierra Construction
19900 - 144th Avenue NE
Woodinville, Washington 98072

Subject: **GROUNDWATER SAMPLING EVENT - NOVEMBER 2011**
Former Woodinville Auto Auction Site
13820 NE 195th Street
Woodinville, Washington

Gentlemen:

In accordance with your directives, Environmental Associates, Inc (EAI) has completed another round of groundwater sampling and laboratory testing at the subject property. This work has been performed in accordance with our May 27, 2011 proposal (PR-28260-3R1), and with subsequent amendments requested by the client. The following report provides a brief summary of this sampling event.

Background

On February 12, 2009, Environmental Associates, Inc. (EAI) presented North Woodinville 195, LLC (NWLLC) with a report summarizing the findings of a UST Removal and Independent Cleanup Action performed at the subject property. In that effort, EAI observed the removal of four (4) underground storage tanks (USTs), approximately 475-tons of "Class 3" petroleum impacted soils, and 12,000-gallons of petroleum impacted groundwater. Analysis of confirmation samples collected in conjunction with that effort indicated regulated petroleum hydrocarbon concentrations remained in soil and groundwater at, and beyond the limits of the remedial excavation.



entered
CP
3-20-13

At the conclusion of excavation and remedial activities, six (6) separate sections of slotted and/or perforated 2"-diameter PVC piping were installed in the subsurface at locations noted on Plate 4 in conjunction with site restoration. These various sections of piping were installed to provide a means to sample groundwater, and to facilitate application of Oxygen Releasing Compound (ORC) or other products to enhance degradation of remaining subsurface contaminants if desired.

Two (2) applications of ORC have occurred at the subject property. The first ORC treatment was performed on August 26, 2009, and included all of the onsite test pits. After EAI completed sample collection on February 10, 2010, a second ORC treatment was performed. During this second treatment, the largest amount of ORC was added to locations with the lowest measured dissolved oxygen (DO) levels. No ORC was added to the infiltration galleries during this second application. In both cases, the ORC was mixed with tap water obtained from the Woodinville Water District, poured into the onsite test-pits and/or infiltration galleries, and further back-flushed with tap water to aid in the propagation of the ORC in the subsurface environment. To date, a total of 200-pounds of ORC have added to the subsurface at the subject property.

For the benefit of the reader, ORC (oxygen releasing compound) is used to supply oxygen so that microbes present in the subsurface environment can metabolize petroleum hydrocarbons. Prior to application of the ORC compound in August of 2009, dissolved oxygen (DO) had not been detected in groundwater at the site. Measurements of groundwater quality taken during the two previous sampling events suggest the ORC applications had measurably influenced DO levels at the site.

The network of groundwater monitoring points has periodically, upon request by the client, been sampled since its installation in 2009. The monitoring points were last sampled in February of 2010.

In accordance with WDOE guidelines pertaining to UST closure "Site Assessments," a copy of our February 2009 dated report was forwarded to the WDOE. The property, under the name North Woodinville 195, LLC, is listed as a UST site and assigned a Facility ID number (#1947253). Based on information available from online WDOE resources, the property has apparently not yet been designated as a leaking underground storage tank (LUST) site by WDOE.

This current effort (groundwater sampling) has been undertaken in an effort to further document groundwater environmental conditions at and down-gradient from the former underground tank removal excavation.

November 2011 Groundwater Sampling Event

As stated above, in conjunction with site restoration following UST removal, six (6) separate sections of 2-inch diameter slotted PVC piping were installed on the subject property. These include the installation of two (2) approximately 35-foot horizontal runs of pipe in the remedial excavation, and four (4) vertical stand-pipes installed in the four test pits. All six (6) installations were brought to grade using at least 12" of 2"-diameter PVC pipe, and protected by traffic grade monument boxes placed in a concrete surround. For additional details regarding the construction of this piping network, the reader is referred to our February 12, 2009 report. Between November 11 and 14, 2011, the six (6) segments of piping were accessed and groundwater samples were recovered.

Prior to sampling, a depth to groundwater meter was utilized to measure the depth to the shallow groundwater surface below the top of each pipe casing. These measurements along with prior casing elevation survey data were used to deduce the relative elevation of the water table at each location, as presented in Table 1, attached. As presented on Plate 4, Detailed Site Plan, the shallow groundwater within the study area appears to be flowing westward. As the depths to water measured in the two horizontal pipe segments do not represent the water elevations at discrete locations, these data points were not used in generating water table contours.

Average groundwater levels were noted to be approximately 0.25 feet lower than during the last sampling event, which was in February 2010. It should also be noted that groundwater was present and recoverable at all six (6) monitoring locations during this current event.

A low-flow micro-purging technique relying on a peristaltic pump was used to collect groundwater samples. Water discharged from the pump was directed to a "flow-through" cell to allow various water quality parameters to be monitored in "real time." Once select parameters (pH, temperature, and dissolved oxygen) stabilized, the parameters were documented (see Table 3 - General Water Quality Parameters) and representative samples were then pumped directly from the pump into laboratory prepared glassware.

The recovered groundwater samples were submitted to the project laboratory to be analyzed for gasoline, BTEX (benzene, toluene, ethylbenzene, xylene), diesel, and heavy oil range total petroleum hydrocarbons (TPH) by Washington State Department of Ecology test methods NWTPH-G/BTEX and NWTPH-Dx. Due to potential "interferences" noted by the project laboratory during prior sampling events, a silica gel cleanup was used in conjunction with the NWTPH-Dx analysis.

Laboratory Results & Discussion

Referring to Table 2, all six (6) recovered groundwater samples were in compliance with WDOE Method-A target levels for the compounds tested for. The groundwater sample from TP-4 continues to exhibit detectable concentrations of gasoline and diesel total petroleum hydrocarbons (TPH) and trace concentrations of benzene and ethylbenzene, but the concentrations are presently below (i.e. compliant with) the WDOE compliance levels as presented at that bottom of Table 2.

The current November 2011 sampling event marks the first time that all six (6) monitoring points produced groundwater samples that were all in compliance with WDOE levels for all the compounds tested for. Putting this statement in context, to qualify for a determination of “no further action” (NFA) from the WDOE, such an achievement must continue over four (4) consecutive quarterly monitoring events.

Oxygen releasing compound (ORC) was last applied to the site in February 2010. Based upon the general water quality parameters noted in Table 3, evidence of lingering ORC “effects” (primarily elevated pH, were noted in groundwater extracted from the west-infiltration gallery piping and down-gradient monitoring point TP-3. At the remaining locations, the ORC appears to have been mostly consumed and groundwater parameters such as pH and dissolved oxygen are returning to “natural” ranges.

Summary/Conclusions

At the conclusion of the current groundwater sampling event, groundwater at all six (6) on-site monitoring locations is in compliance with WDOE Method-A levels for unrestricted land use. As briefly mentioned above, for the WDOE to declare a cleanup action a success typically requires that groundwater compliance is demonstrated through at least four (4) consecutive quarters of monitoring (every 90 days over a 1 year period). To the extent that it remains the Client’s goal to eventually seek a determination of “no further action” from the WDOE, EAI recommends increasing the groundwater sampling frequency to quarterly for the reasons stated above. If implemented, the next recommended sampling event would occur in February 2012, with subsequent monitoring events in May and August 2012.

To the extent that the proposed quarterly groundwater monitoring continues to exhibit stable and compliant results, further applications of ORC do not appear to be warranted at this particular time.

Limitations

This report has been prepared for the exclusive use of the North Woodinville 195, LLC., along with its several representatives for specific application to this site for specific application to this site. Our work for this project was conducted in a manner consistent with that level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area, and in accordance with the terms and conditions set forth in our proposal dated May 27, 2011 and subsequently amended by the client. The opinions expressed in this report are based upon interpretations, observations and testing made at separated sampling locations and conditions may vary between those locations or other locations or depths. No other warranty, expressed or implied, is made. If new information is developed in future site work that may include excavations, borings, studies, etc., Environmental Associates, Inc., must be retained to reevaluate the conclusions of this report and to provide amendments as required.

We appreciate the opportunity to be of service on this assignment. If you have any questions or if we may be of additional service, please do not hesitate to contact us.

Robert B. Roe, M.Sc., LHG.
Senior Hydrogeologist / Project Manager

License: 1125 (Washington)

Don W. Spencer, M.Sc., P.G., R.E.A.
Principal

License: 604 (Washington)
License: 11464 (Oregon)
License: 876 (California)
License: 5195 (Illinois)
License: 0327 (Mississippi)

Attachments

Table 1 - Water Table Survey
Table 2 - Petroleum Hydrocarbons - Groundwater Sampling Results
Table 3 - General Water Quality Parameters

Plate 1 - Vicinity Map
Plate 2 - Topographic Map
Plate 3 - Site Plan
Plate 4 - Detailed Site Plan

Appendix-A Laboratory Reports

TABLE 1
Water Table Survey
(feet)

Monitoring Point	TOC Elevation	Depth to Water Below TOC	Net Change	Elevation of Water Table
East Infiltration				
4/9/09	90.00	No Water (>4.12)	--	--
7/9/09		No Water (>4.12)	--	--
2/10/10		3.50	--	86.50
11/14/11		3.75	-0.25	86.25
West Infiltration				
4/9/09	89.32	No Water (>3.76)	--	--
7/9/09		No Water (>3.76)	--	--
2/10/10		2.80	--	86.52
11/14/11		3.04	-0.24	86.28
TP-1				
4/9/09	87.26	1.98		85.28
7/9/09		3.50	-1.52	83.76
2/10/10		2.40	1.10	84.86
11/14/11		2.93	-0.53	84.33
TP-2				
4/9/09	87.88	2.23		85.65
7/9/09		3.44	-1.21	84.44
2/10/10		2.17	1.27	85.71
11/14/11		2.55	-0.38	85.33
TP-3				
4/9/09	86.54	1.85		84.69
7/9/09		3.80	-1.95	82.74
2/10/10		2.73	1.07	83.81
11/14/11		2.99	-0.26	83.55
TP-4				
4/9/09	87.16	2.32	--	84.84
7/9/09		No Water	--	--
2/10/10		2.60	--	84.56
11/14/11		2.68	-0.08	84.48

Notes:

- (1) TOC. Top of casing elevation.
 (2) Elevations based upon assigning the ground surface in the vicinity of the East Infiltration point an approximate elevation of 90.00 feet above sea-level.

TABLE 2 - Petroleum Hydrocarbons - Groundwater Sampling Results
All results and limits in parts per billion (ppb)

Monitoring Point	Gasoline (TPH)	Diesel (TPH)	Heavy Oil (TPH)	Benzene	Toluene	Ethylbenzene	Total Xylenes
East Infiltration							
Apr-09 (Not Sampled, Dry)	NA	NA	NA	NA	NA	NA	NA
7/9/2009 (Not Sampled, Dry)	NA	NA	NA	NA	NA	NA	NA
February 3, 2010	<100	<50*	<250	<1	<1	<1	<3
November 14, 2011	<100	<50*	<250	<1	<1	<1	<3
West Infiltration							
Apr-09 (Not Sampled, Dry)	NA	NA	NA	NA	NA	NA	NA
7/9/2009 (Not Sampled, Dry)	NA	NA	NA	NA	NA	NA	NA
February 10, 2010	<100	<50*	<250	<1	<1	<1	<3
November 14, 2011	<100	<50*	<250	<1	<1	<1	<3
TP-1							
April 9, 2009	<100	93*	<250	1	<1	<1	<3
July 9, 2009	120	230*	<250	<1	<1	<1	<3
February 3, 2010	100	240*	<250	<1	<1	<1	<3
November 11, 2011	<100	<50*	<250	<1	<1	<1	<3
TP-2							
April 9, 2009	<100	<50*	<250	<1	<1	<1	<3
July 9, 2009	160	190*	<250	<1	<1	<1	<3
February 3, 2010	<100	<50*	<250	<1	<1	<1	<3
November 14, 2011	<100	<50*	<250	<1	<1	<1	<3
TP-3							
April 9, 2009	<100	83*	<250	<1	<1	<1	<3
July 9, 2009	120	760*	470	<1	<1	<1	<3
February 3, 2010	<100	52*	<250	<1	<1	<1	<3
November 14, 2011	<100	<50*	<250	<1	<1	<1	<3
TP-4							
April 9, 2009	<100	<50*	<250	<1	<1	2	<3
7/9/2009 (Not Sampled, Dry)	NA	NA	NA	NA	NA	NA	NA
February 3, 2010	220	290*	<250	6	<1	6	<3
November 14, 2011	450	220*	<250	3.1	<1	1.7	<3
Reporting Limit ³	100	50	250	1	1	1	3
MTCA-Method-A Cleanup Levels⁴	800 or 1000⁵	500	500	5	1000	700	1000

Notes:

1- "ND" denotes analyte not detected at or above listed Reporting Limit.

2- "NA" denotes sample not analyzed for specific analyte.

3- "Reporting Limit" represents the laboratory lower quantitation limit.

4- Method A groundwater cleanup levels as published in the Model Toxics Control Act (MTCA) 173-340-WAC.

5- The MTCA gasoline TPH cleanup level is 800 ppb for groundwater with benzene. Otherwise, the cleanup level is 1000 ppb.

6- The project laboratory reports that "the pattern of peaks present is not indicative of diesel." The detected concentration is likely "carry over" from the gasoline range.

*- Sample analyzed for diesel and heavy oil range petroleum compounds using "silica gel cleanup" methodology.

Bold and Italics denotes concentrations above existing or proposed MTCA Method A groundwater cleanup levels.

TABLE 3 - General Water Quality Parameters
Readings Taken at Time of Sampling

Monitoring Point	pH	Conductivity mS/m	Temperature (Celsius)	Oxidation- Reduction Potential mV	Turbidity NTU	Dissolved Oxygen mg/L	Total Dissolved Solids g/L
East Infiltration							
April 7, 2009 (Not Sampled, Dry)	NA	NA	NA	NA	NA	NA	NA
July 9, 09 (Not Sampled, Dry)	NA	NA	NA	NA	NA	NA	NA
February 3, 2010	6.19	22.8	9.7	+199	Not Measured	2.98	0.15
November 14, 2011	7.45	---	10.80	+152	---	7.03	---
West Infiltration							
April 7, 2009 (Not Sampled, Dry)	NA	NA	NA	NA	NA	NA	NA
July 9, 2009 (Not Sampled, Dry)	NA	NA	NA	NA	NA	NA	NA
February 3, 2010	10.35	35.9	9.2	+124	Not Measured	16.59	0.23
November 14, 2011	9.13	---	11.95	+110	---	12.79	---
TP-1							
April 7, 2009	6.57	35.4	10.8	+28	34.8	0.00	0.24
July 9, 2009	5.71	35.11	23.4	+47	Not Measured	0.00	0.23
February 3, 2010	6.75	38.0	9.0	+21	Not Measured	0.91	0.25
November 11, 2011	6.55	---	11.85	+35	---	3.7	---
TP-2							
April 7, 2009	6.74	22.1	10.5	+96	30.7	0.00	0.15
July 9, 2009	5.94	40.7	23.4	+5	Not Measured	0.00	0.26
February 3, 2010	6.72	27.8	8.6	+241	Not Measured	4.21	0.18
November 14, 2011	7.00	---	10.91	+175	---	8.6	---
TP-3							
April 7, 2009	6.71	32.2	9.6	+99	16.3	0.00	0.21
July 9, 2009	5.76	48.4	22.6	+14	Not Measured	0.00	0.31
February 3, 2010	6.69	48.5	9.0	+42	Not Measured	1.71	0.32
November 14, 2011	9.42	---	11.29	+98	---	11.16	---
TP-4							
April 7, 2009	7.34	40.8	10.5	+87	35.2	0.00	0.27
July 9, 2009 (Not Sampled, Dry)	NA	NA	NA	NA	NA	NA	NA
February 3, 2010	6.58	38.7	9.3	+4	Not Measured	0.79	0.25
November 14, 2011	7.45	---	10.80	-62	---	7.03	---



**ENVIRONMENTAL
ASSOCIATES, INC.**

**1380 112th Avenue N.E., Ste. 300
Bellevue, Washington 98004**

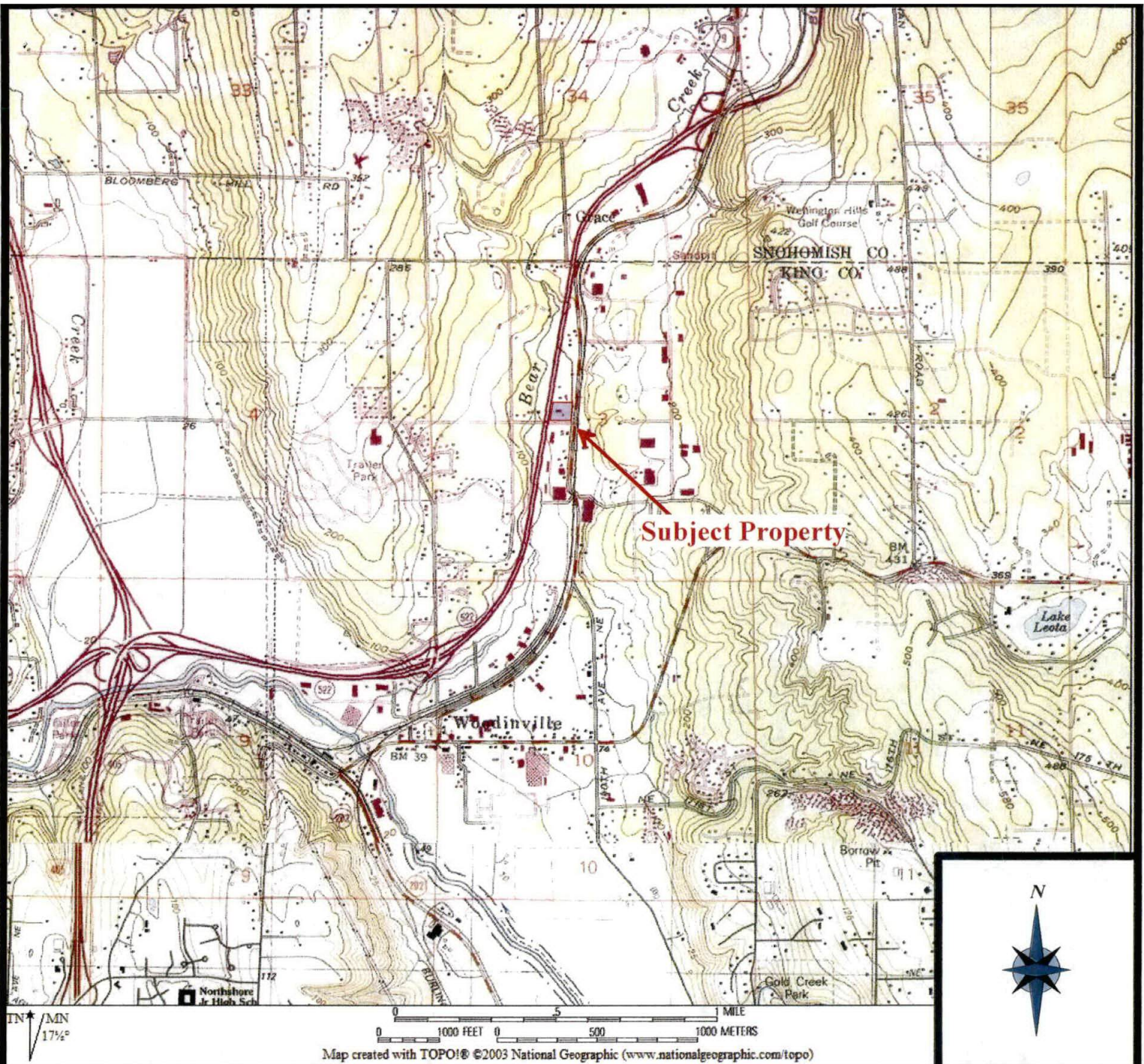
VICINITY MAP

Former Auto Auction Site
13820 NE 195th Street
Woodinville, Washington

Job Number:
JN 28260-3

Date:
November 2011

Plate: 1



ENVIRONMENTAL ASSOCIATES, INC.

1380 - 112th Avenue N.E., Ste. 300
Bellevue, Washington 98004

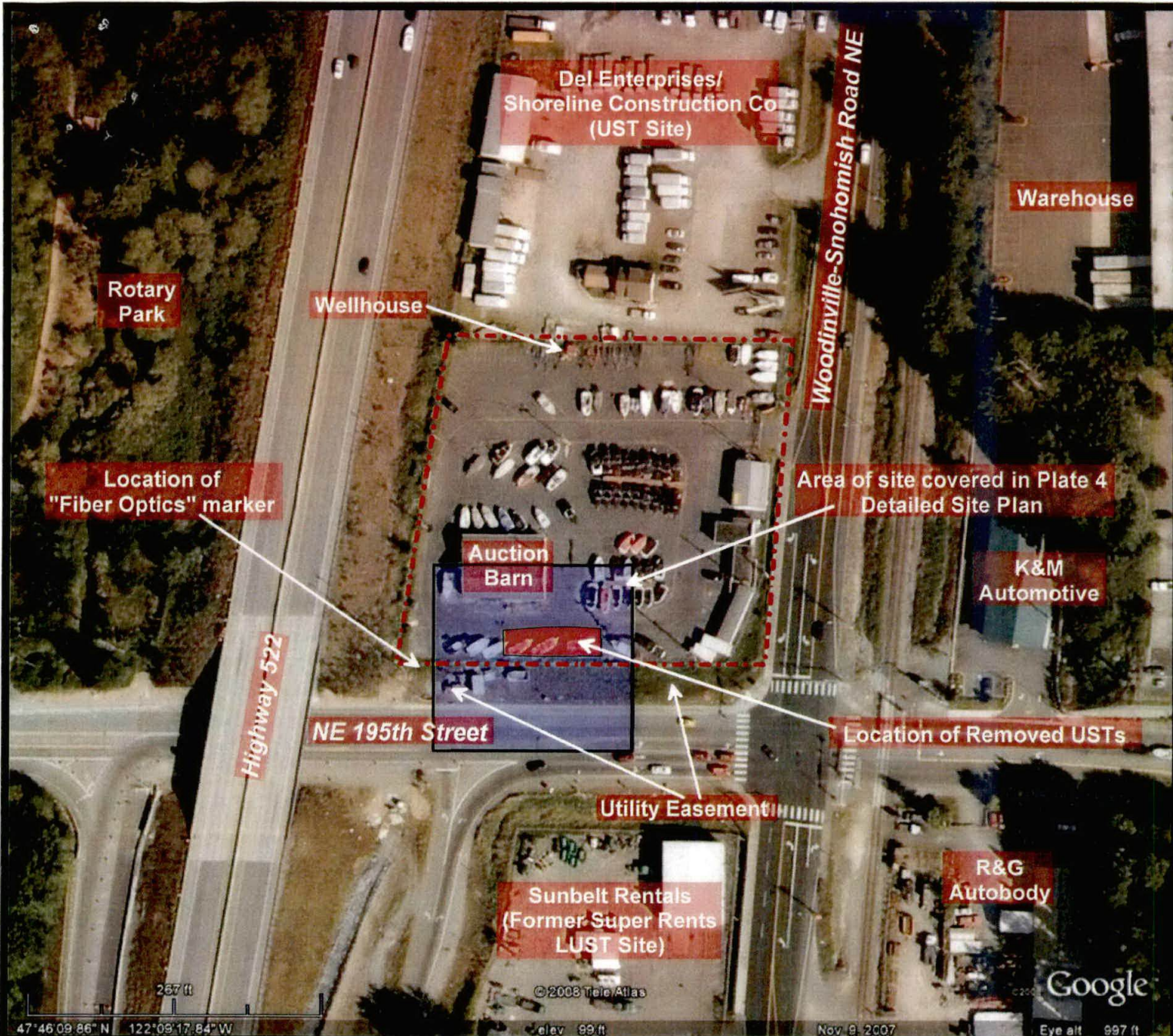
TOPOGRAPHIC MAP

Former Auto Auction Site
13820 NE 195th Street
Woodinville, Washington

Job Number:
JN 28260-3

Date:
November 2011

Plate:
2



Approximate area of subject property.



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1380 112th Avenue N.E., Ste. 300
Bellevue, Washington 98004

SITE PLAN

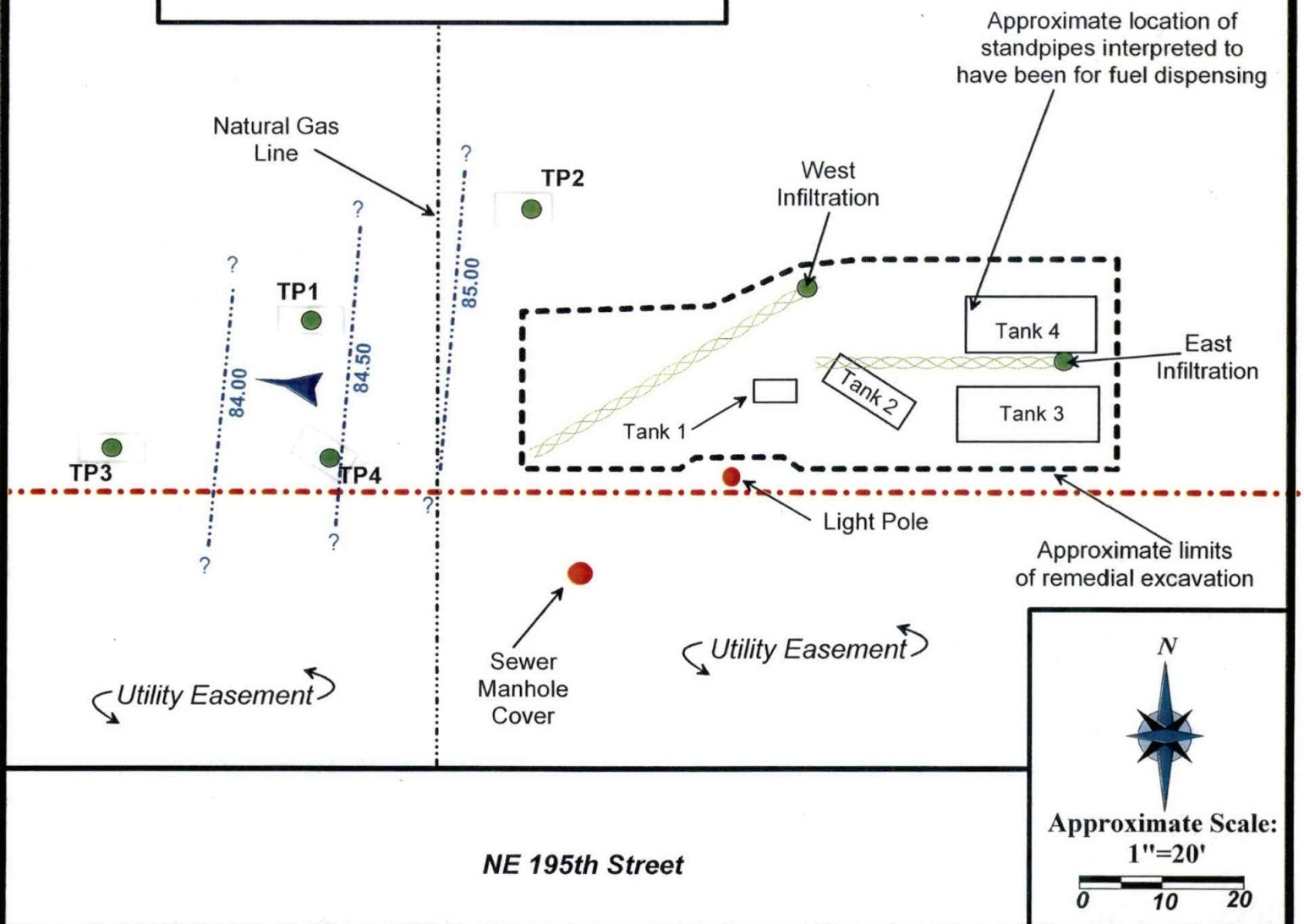
Former Auto Auction Site
1380 NE 195th Street
Woodinville, Washington

Job Number:
JN 28260-3

Date:
November 2011

Plate:
3

Former Auction Barn
(Currently Storage)



- Approximate subject property border
- Approximate location and area of test pit
- TP3 ● Approximate location and name of vertical standpipe and flush grade monument (i.e. monitoring/infiltration point).
- ⋈ Approximate location and alignment of horizontal slotted 2"-PVC pipe.

- Tank 4 □ Approximate location and number of removed UST
- Approximate groundwater elevation contour lines (as measured 2/2/10)
- Inferred direction of groundwater flow



ENVIRONMENTAL ASSOCIATES, INC.

1380 112th Avenue N.E., Ste. 300
Bellevue, Washington 98004

DETAILED SITE PLAN

Former Auto Auction Site
13820 NE 195th Street
Woodinville, Washington

Job Number:
JN 28260-1

Date:
April 2010

Plate:
4

APPENDIX-A

Laboratory Reports

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
e-mail: fbi@isomedia.com

November 29, 2011

Rob Roe, Project Manager
Environmental Associates, Inc.
1380 112th Ave. NE, 300
Bellevue, WA 98004

Dear Mr. Roe:

Included are the results from the testing of material submitted on November 17, 2011 from the Former Woodinville Auto Auction, JN-28260-3, F&BI 111234 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
EAI1129R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on November 17, 2011 by Friedman & Bruya, Inc. from the Environmental Associates Former Woodinville Auto Auction, JN-28260-3, F&BI 111234 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Environmental Associates</u>
111234-01	TP1
111234-02	TP2
111234-03	TP3
111234-04	TP4
111234-05	I-West
111234-06	I-East

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/29/11

Date Received: 11/17/11

Project: Former Woodinville Auto Auction, JN-28260-3, F&BI 111234

Date Extracted: 11/18/11

Date Analyzed: 11/18/11 and 11/19/11

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 52-124)
TP1 111234-01	<1	<1	<1	<3	<100	97
TP2 111234-02	<1	<1	<1	<3	<100	99
TP3 111234-03	<1	<1	<1	<3	<100	99
TP4 111234-04	3.1	<1	1.7	<3	450	101
I-West 111234-05	<1	<1	<1	<3	<100	98
I-East 111234-06	<1	<1	<1	<3	<100	97
Method Blank 01-2095 MB	<1	<1	<1	<3	<100	95

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/29/11

Date Received: 11/17/11

Project: Former Woodinville Auto Auction, JN-28260-3, F&BI 111234

Date Extracted: 11/18/11

Date Analyzed: 11/23/11

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx
Sample Extracts Passed Through a
Silica Gel Column Prior to Analysis
Results Reported as ug/L (ppb)**

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> (% Recovery) (Limit 50-150)
TP1 111234-01	<50	<250	86
TP2 111234-02	<50	<250	81
TP3 111234-03	<50	<250	85
TP4 111234-04	220	<250	94
I-West 111234-05	<50	<250	89
I-East 111234-06	<50	<250	88
Method Blank 01-2078 MB2	<50	<250	90

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/29/11

Date Received: 11/17/11

Project: Former Woodinville Auto Auction, JN-28260-3, F&BI 111234

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 111253-06 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	ug/L (ppb)	<1	<1	nm
Toluene	ug/L (ppb)	<1	<1	nm
Ethylbenzene	ug/L (ppb)	<1	<1	nm
Xylenes	ug/L (ppb)	<3	<3	nm
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/L (ppb)	50	88	65-118
Toluene	ug/L (ppb)	50	83	72-122
Ethylbenzene	ug/L (ppb)	50	87	73-126
Xylenes	ug/L (ppb)	150	84	74-118
Gasoline	ug/L (ppb)	1,000	91	69-134

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 11/29/11

Date Received: 11/17/11

Project: Former Woodinville Auto Auction, JN-28260-3, F&BI 111234

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL EXTENDED USING METHOD NWTPH-Dx**

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	94	92	58-134	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

A1 - More than one compound of similar molecule structure was identified with equal probability.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte indicated may be due to carryover from previous sample injections.

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The result is below normal reporting limits. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the compound indicated is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.

ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Send Lab report to Environmental Associates, Inc
-11-0-3 #1
SAMPLE

SAMPLE CHAIN OF CUSTODY ME 11-48-11

VZ/BOY

Send Report To Bill North Woodville 195, LLC

Company 40 Chris Kucetti / Sierra Con.

Address 19900 - 144th Ave NE

City, State, ZIP Woodinville, WA 98072

EAT Phone # (425) 455-9025 Fax # (425) 455-2316

SAMPLERS (signature)

PROJECT NAME/NO.

Former Woodinville Auto Auction

PO #

JN-28260-3

REMARKS

* Silica-gel cleanup

Page # _____ of _____

TURNAROUND TIME

~~Standard (2 Weeks)~~

RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples

☒ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of containers	ANALYSES REQUESTED										Notes	
						TPH-Diesel/Ex	TPH-Gasoline/Ex	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	IIIS						
TP1	01	11/11/2011	PM	H ₂ O	3	X	X										Silica Gel
TP2	02	11/14/2011	AM		3	X	X										
TP3	03				3	X	X										
TP4	04				3	X	X										
West-I-West	05				3	X	X										
East-I-East	06				3	X	X										

Samples received at 14 °C

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044.

SIGNATURE

PRINT NAME

COMPANY

DATE _____

TIME

~~Relinquished to:~~

Received by:

Relinquished b:

Received by:

Robert B Roe

Michael Zeratkowski

EAT

Postal Express

FBI

11/17/201

11/17/2011

11/17/11

17:30