

NC Department of Transportation Preliminary Site Assessment State Project: U-0209B WBS Element: 34749.1.1

National Rental Properties Property
Parcel #18
August 23, 2010

AMEC Earth and Environmental, Inc. of North Carolina AMEC Project: 562110209

Troy L. Holzschuh Engineering Technician Helen P. Corley, L.G. Senior Project Manager





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1.0 INTRODUCTION

In accordance with the North Carolina Department of Transportation (NCDOT) Request for Proposal, dated May 26, 2010, AMEC Earth and Environmental, Inc. of North Carolina (AMEC) has performed a Preliminary Site Assessment (PSA) for the National Rental Properties Property (the Site) to be effected by a road improvement project along US Highway (Hwy) 74, Independence Blvd. The Site operates as a gas station and is identified as Parcel #18 within the NCDOT U-0209B design project. The property, located on the west side of US Hwy 74 near the intersection with Sharon Amity Road, is in Charlotte of Mecklenburg County, North Carolina. The investigation was conducted in accordance with AMEC's Technical and Cost proposal dated June 16, 2010.

NCDOT contracted AMEC to perform a PSA on the National Rental Properties Property due to the presence of three underground storage tanks (UST) on the property. The property is a Texaco gas station with convenience store. The PSA was performed to determine if soils have been impacted by petroleum compounds as a result of past or present uses of the property within the proposed expanded right-of-way (ROW). This parcel will be a total take by the NCDOT for construction of the future Sharon Amity overpass. The investigation was specifically completed to determine the presence or absence of petroleum hydrocarbons within the proposed ROW.

The following report describes our field investigations and results of chemical analyses. It includes the evaluation of the analytical data with regards to the presence or absence of soil contamination within the proposed ROW and estimates the extent of soil contamination.

1.1 Site Location and History

The National Rental Properties parcel is located on the western side of US Hwy 74, at the intersection of Sharon Amity Road in Charlotte, Mecklenburg County, North Carolina. It is located within the Metamorphic sediments of the Charlotte and Milton Belt Physiographic Province of western North Carolina. Figure 1 shows the site location and vicinity.

AMEC studied the NCDENR UST Registered Tanks Database and identified that three gasoline tanks, ranging from 12,000 gallons to 20,000 gallons in capacity, were installed at Pantry #3921 DBA Petro Express at 4600 East Independence in 1996 and are currently operational. AMEC also reviewed the NCDENR Incident Management Database and



identified Incident #36323 for Petro Express #1 at 4600 East Independence Blvd in Charlotte, NC. The incident was reported April 2, 2007 and does not have an associated close out or cleanup date. A 2008 Limited Site Assessment (LSA) report, by Withers & Ravenel of Cary NC, was found and reviewed in the file at the Mooresville Regional Office (MRO). The report indicated that two monitor wells were installed and depth to groundwater ranged from 25.74 to 26.21 feet. An existing monitor well was monitored and free product was observed. Analytical results from the November 2007 LSA activities were presented for three soil samples from each of three borings. Volatile organic compound and volatile petroleum hydrocarbon analytical methods were used, and the data showed that soil-to-groundwater maximum contaminant concentration standards were exceeded by one or more compound in each sample. The deepest samples (from 18-20 ft) were most impacted with the BTEX compounds. Groundwater results from November, 2007 were reported for the two wells without product. The data indicated that BTEX and other gasoline-signature compounds in groundwater exceeded 2L standards but not gross contamination levels. No subsequent investigation information was included in the NCDENR file at MRO.

1.2 Site Description

The Site is currently a gas station. The proposed DOT project will traverse the entire property of Parcel #18. Three USTs and two monitoring wells were observed at this facility. The third monitoring well referred to in the LSA was not observed. Appendix A includes a photo log for Parcel #18.

The surrounding properties are commercial businesses. Across Sharon Amity Road to the north is Lanier Shopping Center (Parcel #17). Across US Hwy 74 to the east is Wolf Camera. The adjacent property to the south of the Site is Office Depot. The adjacent property to the west of the Site is Auto Inspector.

2.0 GEOLOGY

2.1 Regional Geology

The National Rental Properties Property is located within the Metamorphic type rocks of the Charlotte and Milton Belt Physiographic Province of western North Carolina. The Metavolcanic rock is interbedded felsic to mafic tuffs and flowrock.



2.2 Site Geology

Site geology was observed through the sampling of 9 shallow direct push probe soil borings (SB) onsite. Borings extended to a total depth of 10 feet below ground surface (bgs). Soils generally consisted of orange well sorted marbled clayey silt. Boring logs are presented in Appendix B.

Damp soil conditions were typically first encountered at a depth of 0.5 feet (ft) below ground surface (bgs).

3.0 FIELD ACTIVITIES

3.1 Preliminary Activities

Prior to commencing field sampling activities at the site, several tasks were accomplished in preparation for the subsurface investigation. The Health and Safety Plan (HSP) was modified to include the site-specific health and safety information necessary for the field activities. North Carolina-1-Call was contacted on June 29 to report the proposed drilling activities and subsequently notify all affected utilities for the parcel. A.E. Drilling Services, LLC (AE Drilling) of Greenville, South Carolina was retained by AMEC to perform the direct push sampling for soil borings. AMEC coordinated with Schnabel Engineering South (Schnabel) who performed two geophysical surveys (electromagnetic and ground penetrating radar) onsite during June. The geophysical results were reviewed and discussed at the completion of each survey. A private utility locating company, Priority Underground Locating of Huntersville, North Carolina was subcontracted on July 2, 2010 to clear the proposed drill locations that were marked in the field by AMEC personnel. Prism Laboratories, Inc. was contacted for acquisition of sample bottles. Soil boring locations were focused within the proposed expanded ROW, using a staggered soil boring placement pattern to optimize the likelihood of intercepting any potential soil contamination.

3.2 Site Reconnaissance

AMEC and NCDOT Geotechnical Unit personnel completed site reconnaissance on June 3 and AMEC furthered the recon effort on June 29, 2010. During reconnaissance, the area was visually examined for the presence of any UST or areas/obstructions that could



potentially affect the subsurface investigation and the number of boring locations was discussed. Boring locations were marked on July 2, 2010.

3.3 Geophysical Survey

Schnabel performed the geophysical surveys from June 14 through June 24. Schnabel utilized a Geonics EM61-MK2 to perform the electromagnetic induction surveys and a Geophysical Survey Systems SIR-3000 to conduct the ground-penetrating radar (GPR) investigations. These instruments are specifically calibrated to detect metal anomalies that are buried deeply and are characteristically large. The data collected by Schnabel indicates the presence of three USTs within the proposed expanded ROW in the UST bed as denoted in Figure 2. Based on the geophysics report, each UST is expected to be 20,000 gallon in capacity and buried 2 to 3 feet below ground surface. The complete report can be found in Appendix C.

3.4 Well Survey

No well survey was performed as part of this PSA; however two monitoring wells were identified near the northeastern portion of the Parcel as shown in Figure 2. Depth to water, measured on July 6, 2010, ranged from 15.14 ft to 15.75 ft in the two monitor wells.

3.5 Soil Sampling

Soil boring occurred on July 6, 2010 at Parcel #18. Nine direct push soil borings were conducted within the proposed expanded ROW on Parcel #18, which includes the entire site. Figure 2 presents the Site Map with boring locations and identifications. These samples were located to optimize the likelihood of intercepting any potential soil contamination by targeting the five pump islands, UST bed and car wash building. The first boring (SB-1) was placed just north of the easternmost pump island. Soil borings SB-2 through SB-4 were aligned just north of other pump islands, progressing toward the west. Underground utilities prevented a boring from being drilled due north of the pump island second from the westernmost pump island. Subsequent borings SB-5, SB-6 and SB-8 were located further north of SB-2 through SB-4. Soil boring SB-7 was located in the southwest corner of the property. SB-2 exhibited elevated PID readings; therefore soil boring SB-9 was located adjacent to SB-2 to the north. Significant PID readings were detected in soil borings SB-2 and SB-9 but underground utilities prevented further boring placement north of SB-9.



Soil samples were collected in accordance with EPA protocols in laboratory-supplied containers. The soil samples for Total Petroleum Hydrocarbons (TPH) –Gasoline Range Organics (GRO) analysis were collected using the 5030 prep method with methanol preservation. Samples for TPH-Diesel Range Organics (DRO) analysis were collected in 4oz. glass containers. Once placed in the containers, the samples were labeled with the sample number, time of collection, date of collection, name of the collector, and the requested analysis. The samples were packed on ice, and then hand delivered to Prism Laboratories in Charlotte, a North Carolina Certified Laboratory following proper chain-of-custody procedures.

4.0 SOIL SAMPLING RESULTS

AMEC conducted soil sampling at the Site on July 6, 2010. The purpose of the sampling was to determine if releases of petroleum hydrocarbons had occurred, and if so, to estimate the volume of soil that might require special handling during construction activities. The sampling was accomplished using direct push methods accompanied by field screening for organic vapors with a PID. The laboratory results with PID readings are tabulated in Table 1 and shown on Figure 3.

A minimum of one soil sample was collected from each of the 9 completed soil borings from Parcel #18. Typically, when impacted soil is identified, additional soil samples are obtained. PID readings warranted the addition of soil sample SP18-SB-9. Analyses of soil samples for DRO indicated two boring locations with a concentration above the 10 mg/kg NCDENR Initial Action Level for TPH in soil. Sample P18-SB-2 from boring SB-2 at the 4-5 ft bgs interval was reported with 410 mg/kg and sample P18-SB-9 from boring SB-9 at the 6-7 ft bgs interval was reported with 330 mg/kg. Analyses of soil samples for GRO indicated two boring locations (the same as those with DRO hits) with a concentration above the 10 mg/kg NCDENR Initial Action Level for TPH in soil. Sample P18-SB-2 from boring SB-2 at the 4-5 ft bgs interval was reported with 3,400 mg/kg and sample P18-SB-9 from boring SB-9 at the 6-7 ft bgs interval was reported with 4,100 mg/kg.

These two impacted boring locations are closely situated to each other and the pump island second from the eastern edge of the canopy. In Figure 4, the estimated area of soil contamination has been drawn; however, the extent of the soil contamination was not



defined due to underground utilities as well as the fact that boring locations were not planned to be under the canopy. The estimated soil impact area as drawn on Figure 4 is 827 square feet. Using the depth of impact to be the sample depth (7 ft) since the sample's depth represents the highest PID reading, 5,789 cubic feet or 214 cubic yards were calculated as the approximate impacted soil volume. This is considered a minimum volume since impacted soil delineation was not accomplished.

Copies of the original laboratory report and chain-of-custody documentation are included as Appendix D.

5.0 CONCLUSIONS

The following conclusions are based upon AMEC's evaluation of field observations and laboratory analyses of samples collected from the Site on July 6, 2010.

- The property presently operates as a Texaco gas station with convenience store.
- UST Database for Incident Management identifies the parcel as Incident #36323, which has not been closed out.
- NCDENR UST Registered Tanks Database identified the presence of three 20,000 gallon USTs at the Site, which was confirmed with geophysics.
- Nine soil samples were collected and analyzed for TPH GRO and DRO.
- Laboratory analyses of soil samples confirmed two DRO and GRO detections >10 mg/kg NC Action Level in the same soil borings, SB-2 and SB-9.
- Laboratory analyses of soil samples confirmed two GRO concentrations of >10 mg/kg NC Action Level: soil borings SB-2 and SB-9.
- An estimated minimum of 214 cubic yards of petroleum-impacted soil may be intercepted during excavation activities in this area.



6.0 RECOMMENDATIONS

Since the parcel will be a total take the USTs, piping and dispensers must be properly closed by removal. Soil will have to be sampled during closure activities and handled following NCDENR's Tank Closure Guidelines. AMEC understands that a party other than NCDOT may implement the UST closure. In such a situation NCDOT should still be wary of intercepting contaminated soil during road construction activities, thus AMEC recommends the following potential action:

 Segregation during soil excavation with proper disposal of potentially petroleum-impacted soil during roadway improvement construction operations.



Table 1 Soil Sampling Analytical Results, DRO-GRO Parcel 18, National Rental Property NC DOT Charlotte, North Carolina

	SAMPLE	AMPLE SAMPLE DEPTH PID		EPA Meth	EPA Method 8015B	
SAMPLE ID	DATE	(ft bgs)	READINGS (ppm)	DRO (mg/kg)	GRO (mg/kg)	
NC Action Levels				10	10	
P18-SB-1	7/6/2010	3 - 4	0	<10	<6.5	
P18-SB-2	7/6/2010	4 - 5	1785	410	3,400	
P18-SB-3	7/6/2010	4 - 5	3.9	<9.0	<4.6	
P18-SB-4	7/6/2010	5 - 6	56.2	<9.8	4.5	
P18-SB-5	7/6/2010	2 - 3	9.6	<9.2	<4.8	
P18-SB-6	7/6/2010	5 - 6	22.7	<9.8	<5.2	
P18-SB-7	7/6/2010	4 - 5	0	<10	<5.7	
P18-SB-8	7/6/2010	4 - 5	0	<9.1	<5.1	
P18-SB-9	7/6/2010	6- 7	1593	330	4,100	

NOTES:

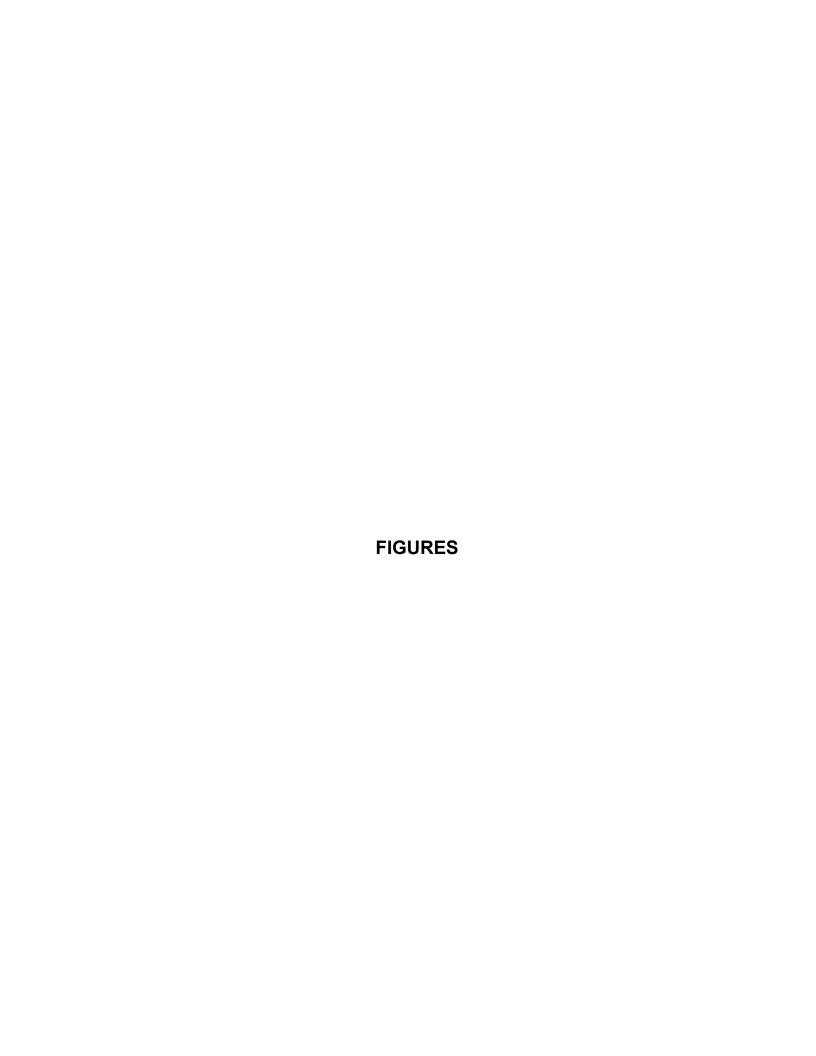
bgs = below ground surface; ppm = parts per million

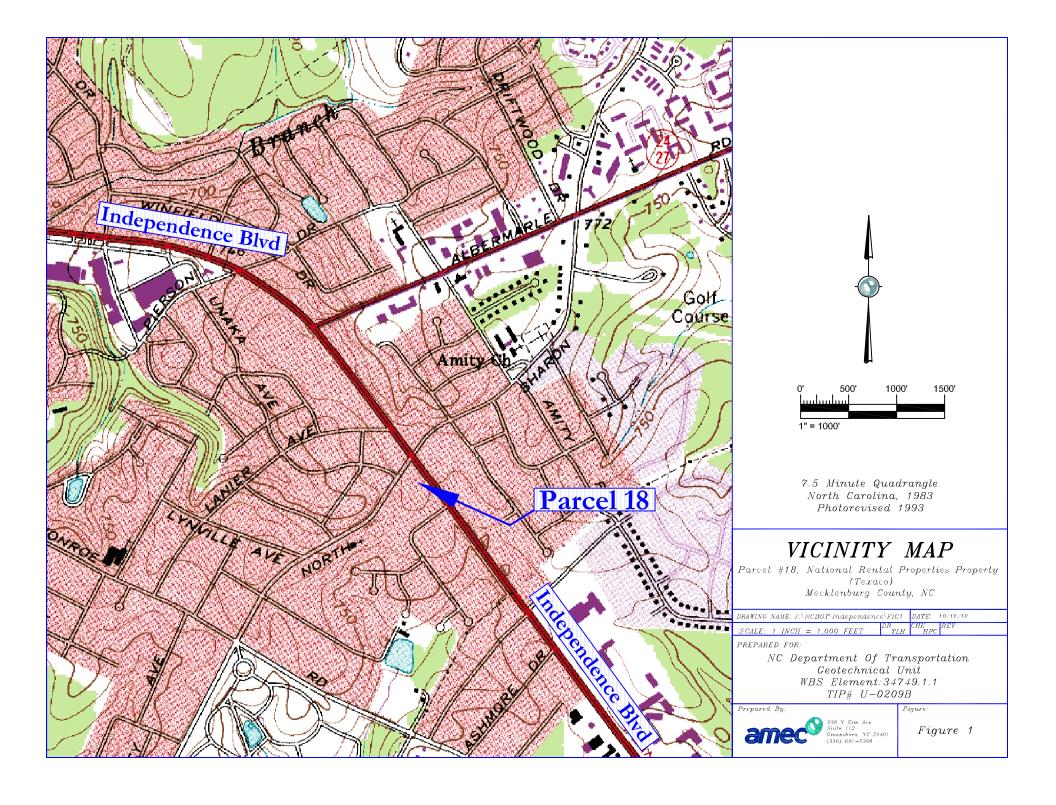
Bold Concentrations Exceed Action Levels

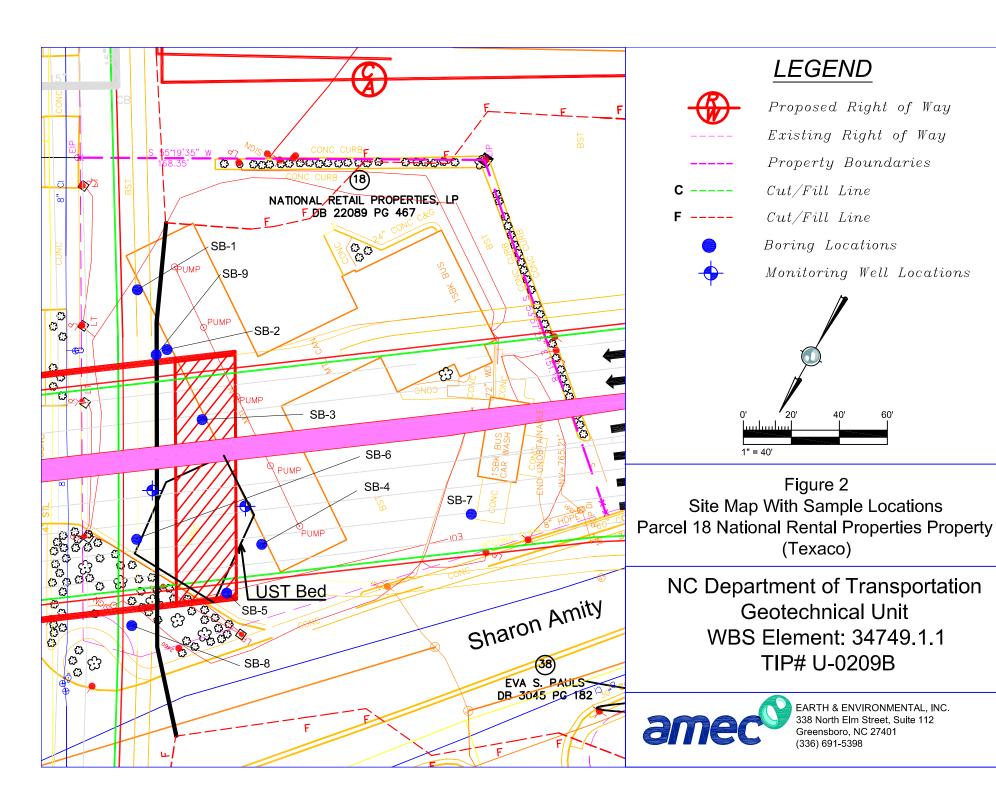
DRO = Diesel Range Organics

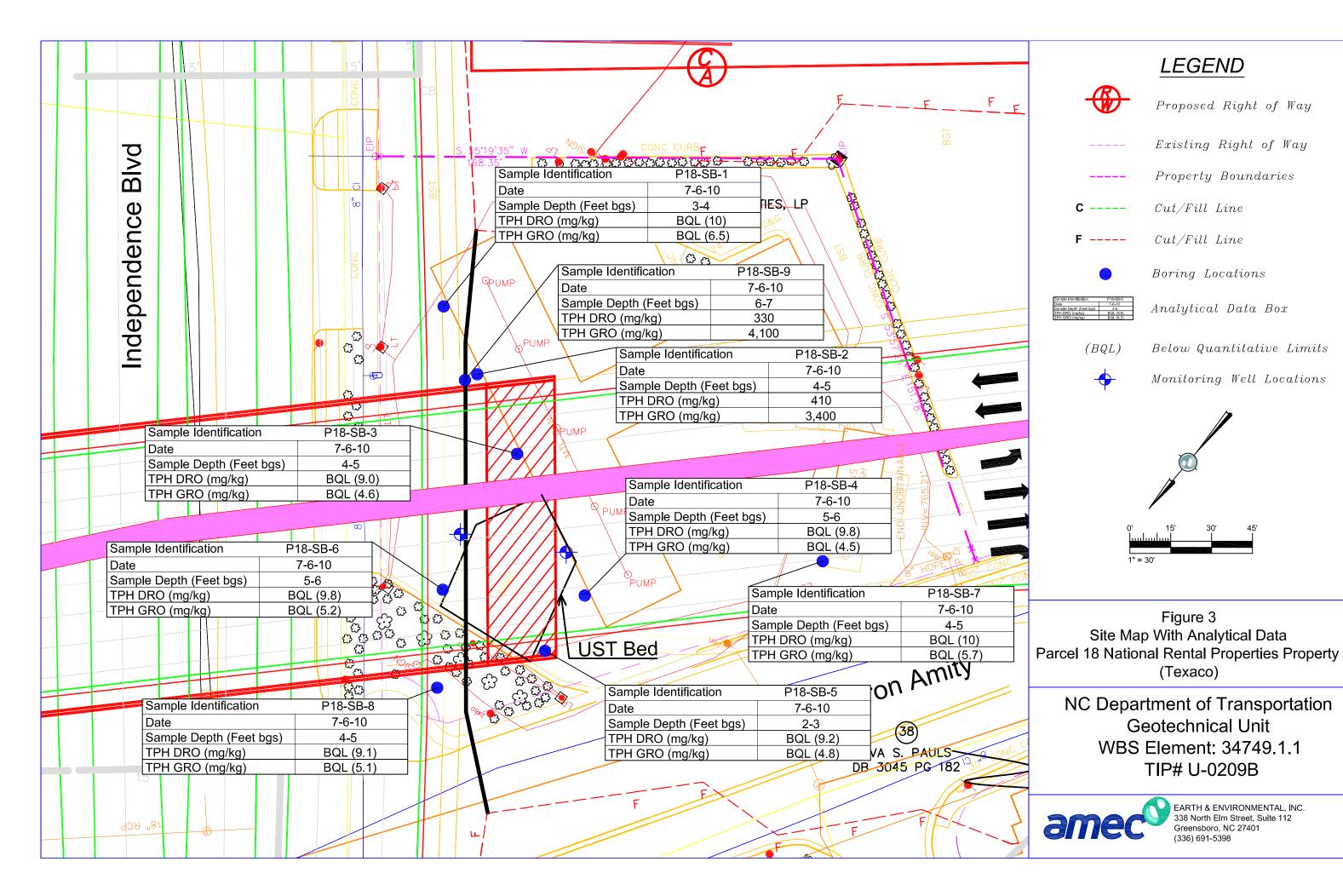
GRO = Gasoline Range Organics

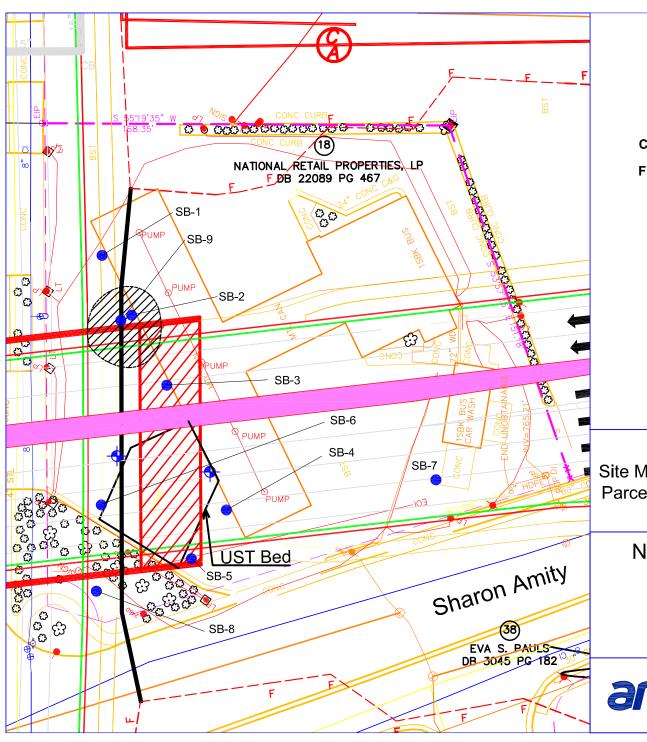
Standards derived from the North Carolina UST Section Guidelines for Assessment and Corrective Action











<u>LEGEND</u>

Proposed Right of Way

---- Existing Right of Way

- Property Boundaries

 ${f C}$ ---- Cut/Fill Line

F ---- Cut/Fill Line

Boring Locations

--- Monitoring Well Locations
---- Area of Contamination

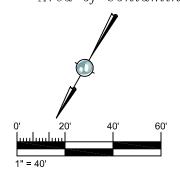


Figure 4
Site Map With Potential Area of Contamination
Parcel 18 National Rental Properties Property
(Texaco)

NC Department of Transportation Geotechnical Unit WBS Element: 34749.1.1 TIP# U-0209B



EARTH & ENVIRONMENTAL, INC. 338 North Elm Street, Suite 112 Greensboro, NC 27401 (336) 691-5398 **APPENDIX A**

PHOTO LOG



Photo 1

Viewing East from the northwest corner of the site. Boring Locations were placed strategically in front of each pump Island and beside the UST tank bed.



Photo 2

Viewing South from the northwest corner of the site. Boring locations were placed beside the front of the car wash and pump island.



338 North Elm Street, Suite 112 Greensboro, North Carolina 27401 W.O. 562110209
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DATE July 2010
PAGE 1

PHOTOGRAPHIC LOG

Preliminary Site Assessment Parcel 18 National Rental Properties Property, Independence Blvd., Charlotte, NC APPENDIX B

BORING LOGS



AMEC Earth & Environmental, Inc. BORING LOG

Boring/Well No.: P18-SB1 Site Name: Parcel 18 Location: Charlotte, Mecklenburg Co., NC Date: 7-6-10 Job No.: 562110209 Sample Method: Direct Push AMEC Rep: Troy Holzschuh **Drilling Method: Direct Push** Drilling Company: A.E. Drilling Driller Name/Cert #: John Gorman - 3485

Remarks:

Grout Interval:

Depth (ft BLS)	PID/OVA Reading	Blow Counts	Soil/Lithologic Description
	(ppm)		
0-0.5	_		Asphalt/Aggregate
0.5-2.5	0		Orange, Well Sorted, Clayey Silt, Damp Orange/Yellow, Well Sorted, Marbled Clayey Silt, Damp
2.5-10	0		Orange/Yellow, Well Sorted, Marbled Clayey Silt, Damp
		WELL CONS	l TRUCTION DETAILS (If Applicable)
/oll Typo/Diag	motor:	WELL CONS	
/ell Type/Diar	ilietei.		Outer Casing Interval:
otal Depth: creen Interva	ı.		Outer Casing Diameter:
	II.		Bentonite Interval:
and Interval:			Slot Size:



AMEC Earth & Environmental, Inc.

Boring/Well No.: P18-SB2	Site Name: Parcel 18
	Location: Charlotte, Mecklenburg Co., NC
Job No.: 562110209	Sample Method: Direct Push
AMEC Rep: Troy Holzschuh	Drilling Method: Direct Push
Drilling Company: A.E. Drilling	Driller Name/Cert #: John Gorman - 3485

Remarks:

Grout Interval:

Depth (ft BLS)	PID/OVA Reading (ppm)	Blow Counts	Soil/Lithologic Description
0-0.5			Asphalt/Aggregate
0.5-1.5	6.7		Red/Brown, Well Sorted, Clayey Silt, Damp
1.5-2.5	22.4		Brown, Medium Grain Sand, Damp
2.5-10	1785		Yellow/Orange, Well Sorted, Marbled Clayey Silt, Damp
		WELL CONS	TRUCTION DETAILS (If Applicable)
/ell Type/Diar	neter:		Outer Casing Interval:
			Outer Casing Diameter:
creen Interva	l:	_	Bentonite Interval:
and Interval:			Slot Size:
			Otatia Matanta anali



AMEC Earth & Environmental, Inc. BORING LOG

Boring/Well No.: P18-SB3

Date: 7-6-10

Location: Charlotte, Mecklenburg Co., NC

Job No.: 562110209

Sample Method: Direct Push

AMEC Rep: Troy Holzschuh

Drilling Company: A.E. Drilling

Driller Name/Cert #: John Gorman - 3485

Remarks:

Sand Interval:

Grout Interval:

Depth (ft BLS)	PID/OVA Reading (ppm)	Blow Counts	Soil/Lithologic Description
0-0.5			Asphalt/Aggregate
0.5-1.5	0		Yellow/Orange, Well Sorted, Marbled Clayey Silt, Damp
1.5-6	3.9		Brown, Medium Grain Sand, Damp
6-7	0		Yellow/Orange, Well Sorted, Marbled Clayey Silt, Damp
7-10	0		Yellow/Orange, Well Sorted, Marbled Clayey Silt, Damp Yellow/Red, Well Sorted, Marbled Clayey Silt, Damp
		WELLCONS	STRUCTION DETAILS (If Applicable)
Vell Type/Diar	meter:	WELL CONS	Outer Casing Interval:
otal Depth:	110101.		Outer Casing Interval. Outer Casing Diameter:
	l·		Bentonite Interval:
Screen Interval:			Denionile interval.

Slot Size:



AMEC Earth & Environmental, Inc. BORING LOG

Boring/Well No.: P18-SB4	Site Name: Parcel 18
Date: 7-6-10	Location: Charlotte, Mecklenburg Co., NC
Job No.: 562110209	Sample Method: Direct Push
AMEC Rep: Troy Holzschuh	Drilling Method: Direct Push
Drilling Company: A.E. Drilling	Driller Name/Cert #: John Gorman - 3485

Remarks:

Sand Interval:

Grout Interval:

Depth (ft BLS)	PID/OVA Reading (ppm)	Blow Counts	Ç ,
0-0.5			Asphalt/Aggregate
0.5-2	9		Red, Well Sorted, Clayey Silt, Damp
2-10	56.2		Red, Well Sorted, Clayey Silt, Damp Red/Yellow, Well Sorted, Marbled Clayey Silt, Damp
	-		
	ļ		
	ļ	-	
	<u> </u>	14/51 1 2 2 1 1 2 2 1 2 2	
		WELL CONS	TRUCTION DETAILS (If Applicable)
ell Type/Dia	meter:		Outer Casing Interval:
otal Depth:	-		Outer Casing Diameter:
creen Interva	ıl:		Bentonite Interval:

Slot Size:



AMEC Earth & Environmental, Inc.

	Site Name: Parcel 18
	Location: Charlotte, Mecklenburg Co., NC
Job No.: 562110209	Sample Method: Direct Push
AMEC Rep: Troy Holzschuh	Drilling Method: Direct Push
Drilling Company: A.E. Drilling	Driller Name/Cert #: John Gorman - 3485

Remarks:

Sand Interval:

Grout Interval:

Depth (ft BLS)	PID/OVA Reading (ppm)	Blow Counts	
0-0.5			Asphalt/Aggregate
0.5-3	9.5		Red, Well Sorted, Clay, Damp
3-10	4.6		Red/Yellow, Well Sorted, Marbled Clayey Silt, Damp
=		WELL CONS	TRUCTION DETAILS (If Applicable)
Well Type/Diameter:			Outer Casing Interval:
otal Depth:			Outer Casing Diameter:
creen Interval:			Bentonite Interval:

Slot Size:



AMEC Earth & Environmental, Inc. BORING LOG

Boring/Well No.: P18-SB6

Date: 7-6-10

Location: Charlotte, Mecklenburg Co., NC

Job No.: 562110209

Sample Method: Direct Push

AMEC Rep: Troy Holzschuh

Drilling Company: A.E. Drilling

Driller Name/Cert #: John Gorman - 3485

Remarks:

Sand Interval:

Grout Interval:

Depth (ft BLS)	PID/OVA Reading (ppm)	Blow Counts	
0-0.5			Asphalt/Aggregate Orange/Yellow, Well Sorted, Clayey Silt, Damp Orange/Yellow, Well Sorted, Marbled Clayey Silt, Damp
0.5-2	3.9		Orange/Yellow, Well Sorted, Clayey Silt, Damp
2-10	22.7		Orange/Yellow, Well Sorted, Marbled Clayey Silt, Damp
		WELL CONS	TRUCTION DETAIL O (IS A ser l'en le le)
- II T (D)		WELL CONS	TRUCTION DETAILS (If Applicable)
ell Type/Diar	meter:		Outer Casing Interval:
otal Depth:			Outer Casing Diameter:
Screen Interval:			Bentonite Interval:

Slot Size:



AMEC Earth & Environmental, Inc. BORING LOG

Boring/Well No.: P18-SB7

Date: 7-6-10

Location: Charlotte, Mecklenburg Co., NC

Job No.: 562110209

Sample Method: Direct Push

AMEC Rep: Troy Holzschuh

Drilling Company: A.E. Drilling

Driller Name/Cert #: John Gorman - 3485

Remarks:

Sand Interval:

Grout Interval:

Depth (ft BLS)	PID/OVA Reading (ppm)	Blow Counts	
0-0.5			Asphalt/Aggregate
0.5-2.5	0		Orange, Well Sorted, Clayey Silt, Damp
2.5-10	0		Yellow/Orange, Well Sorted, Marbled Clayey Silt, Damp
		WELL CONS	TRUCTION DETAILS (If Applicable)
Vell Type/Diameter:			Outer Casing Interval:
Total Depth:			Outer Casing Diameter:
Screen Interval:			Bentonite Interval:

Slot Size:



AMEC Earth & Environmental, Inc. BORING LOG

Boring/Well No.: P18-SB8 Site Name: Parcel 18 Location: Charlotte, Mecklenburg Co., NC Date: 7-6-10 Job No.: 562110209 Sample Method: Direct Push AMEC Rep: Troy Holzschuh **Drilling Method: Direct Push** Drilling Company: A.E. Drilling Driller Name/Cert #: John Gorman - 3485

Remarks:

Grout Interval:

Depth (ft BLS)	PID/OVA Reading (ppm)	Blow Counts	Soil/Lithologic Description
0-0.5	(ppiii)		Grass/Organic Soil
0.5-1.5	0		Orange/Tan, Well Sorted, Silt, Damp
1.5-5	0		Orange/Yellow, Well Sorted, Marbled Clayey Silt, Damp
5-10	0		Yellow, Well Sorted, Clayey Silt, Damp
		WELL CONS	TRUCTION DETAILS (If Applicable)
			Outer Casing Interval:
Total Depth:			Outer Casing linerval. Outer Casing Diameter:
Screen Interval: Sand Interval:			Bentonite Interval:



AMEC Earth & Environmental, Inc.

Boring/Well No.: P18-SB9	Site Name: Parcel 18
Date: 7-6-10	Location: Charlotte, Mecklenburg Co., NC
Job No.: 562110209	Sample Method: Direct Push
AMEC Rep: Troy Holzschuh	Drilling Method: Direct Push
Drilling Company: A F Drilling	Driller Name/Cert #: .lohn Gorman - 3485

Remarks:

Depth (ft BLS)	PID/OVA Reading (ppm)	Blow Counts	
0-0.5			Asphalt/Aggregate
0.5-3	398		Orange/Yellow, Well Sorted, Clayey Silt, Damp
3-10	1593		Orange/Yellow, Well Sorted, Clayey Silt, Damp Orange/Yellow, Well Sorted, Marbled Clayey Silt, Damp
		WELL CONS	TRUCTION DETAILS (If Applicable)
Vell Type/Diai	meter:		Outer Casing Interval:
otal Depth:			Outer Casing Diameter:
creen Interval:			Bentonite Interval:
and Interval:			Slot Size:
rout Interval:			Static Water Level:

APPENDIX C GEOPHYSICAL SURVEY REPORT



July 12, 2010

Ms. Helen Corley, LG AMEC Earth & Environmental of North Carolina, Inc. 338 North Elm Street, Suite 112 Greensboro, North Carolina 27401

RE: State Project: U-0209B

WBS Element: 34749.1.1 County: Mecklenburg

Description: Charlotte – US 74 (Independence Boulevard) from NC 24-27 (Albemarle

Road) to Idlewild Road

Subject: Project 09210013.25, Report on Geophysical Surveys

Parcel 18, Mecklenburg County, North Carolina

Dear Ms. Corley:

SCHNABEL ENGINEERING SOUTH, PC (Schnabel) is pleased to present this report on the geophysical surveys we conducted on the subject site. The report includes one 11x17 color figure.

INTRODUCTION

The work described in this report was conducted on June 14, 15, 16, 22, 23, 24, and 29, 2010, by Schnabel under our 2009 contract with the NCDOT. The work was conducted within the accessible portions of the entire parcel as indicated by the NCDOT to support their environmental assessment of Parcel 18 (National Rental Properties Property). The purpose of the geophysical surveys was to locate possible metal underground storage tanks (UST's) and associated metal product lines within the accessible areas of the parcel.

The geophysical investigation consisted of electromagnetic (EM) induction surveys using a Geonics EM61-MK2 instrument. The EM61 metal detector is used to locate metal objects buried up to about eight feet below ground surface. Ground-penetrating radar (GPR) investigations of selected EM61 anomalies, including areas of reinforced concrete, were conducted using a Geophysical Survey Systems SIR-3000 system equipped with a 400 MHz antenna.

FIELD METHODOLOGY

Locations of geophysical data points were obtained using a sub-meter Trimble Pro-XRS DGPS system. References to direction and location in this report are based on the US State Plane 1983 System, North Carolina 3200 Zone, using the NAD 83 datum, with units in US survey feet. The locations of existing site features (manholes, signs, etc.) were recorded for later correlation with the geophysical data and for location references to the NCDOT drawings.

The EM61 data were collected along parallel survey lines spaced approximately 2.5 feet apart. The EM61 and DGPS data were recorded digitally using a field computer and later transferred to a desktop computer for data processing. The GPR data were collected along survey lines spaced one to two feet apart in orthogonal directions over anomalous EM readings not attributed to cultural features. The GPR data were reviewed in the field to evaluate the possible presence of UST's. The GPR data also were recorded digitally and later transferred to a desktop computer for further review.

Preliminary results for Parcel 18 were sent to Helen Corley and Troy Holzschuh of AMEC and Ethan Caldwell of the NCDOT on July 2, 2010.

DISCUSSION OF RESULTS

We used a rental EM61 for the data collection on this project. We discovered that this rental unit had an intermittent short in the top coil, which made the differential data unreliable. The data collected from just the bottom coil was not affected by this problem. Only the early time gate data collected from the bottom coil were used to determine anomalous locations to survey with GPR.

The contoured early time gate EM61 data for Parcel 18 are shown on Figure 1. The early time gate data provide the more sensitive detection of metal objects. The early time gate results show anomalies apparently caused by reinforced concrete, buried utilities, or known site features (Figure 1). The GPR data collected near the north side of the canopy on Parcel 18 indicated the presence of three known UST's located approximately 10 to 20 feet north of the north side of the canopy. An example GPR image showing the reflection from the known UST's on Parcel 18 is shown on Figure 1. Figure 1 also includes the location of the known UST's as marked in the field. The GPR data indicate that the three known UST's on Parcel 18 are buried approximately 2.0 to 3.0 feet below ground surface and are about 10 feet in diameter and about 30 feet long, equivalent to a capacity of about 20,000 gallons.

CONCLUSIONS

Our evaluation of the geophysical data collected on Parcel 18 on Project U-0209B in Charlotte, NC indicates the following:

The geophysical data indicate the presence of three known UST's on Parcel 18 located approximately 10 to 20 feet north of the north side of the canopy. The known UST's are about 20,000-gallon capacity and are buried 2.0 to 3.0 feet below ground surface. As this parcel is a total take, the three known UST's are within the proposed ROW.

NCDOT, Geotechnical Engineering Unit U-0209B, Mecklenburg County

LIMITATIONS

These services have been performed and this report prepared for AMEC Earth & Environmental of North Carolina, Inc. and the North Carolina Department of Transportation in accordance with generally accepted guidelines for conducting geophysical surveys. It is generally recognized that the results of geophysical surveys are non-unique and may not represent actual subsurface conditions.

We appreciate the opportunity to have provided these services. Please call if you need additional information or have any questions.

Sincerely,

SCHNABEL ENGINEERING SOUTH, PC

Jeremy S Strohmeyer, LG

Project Manager

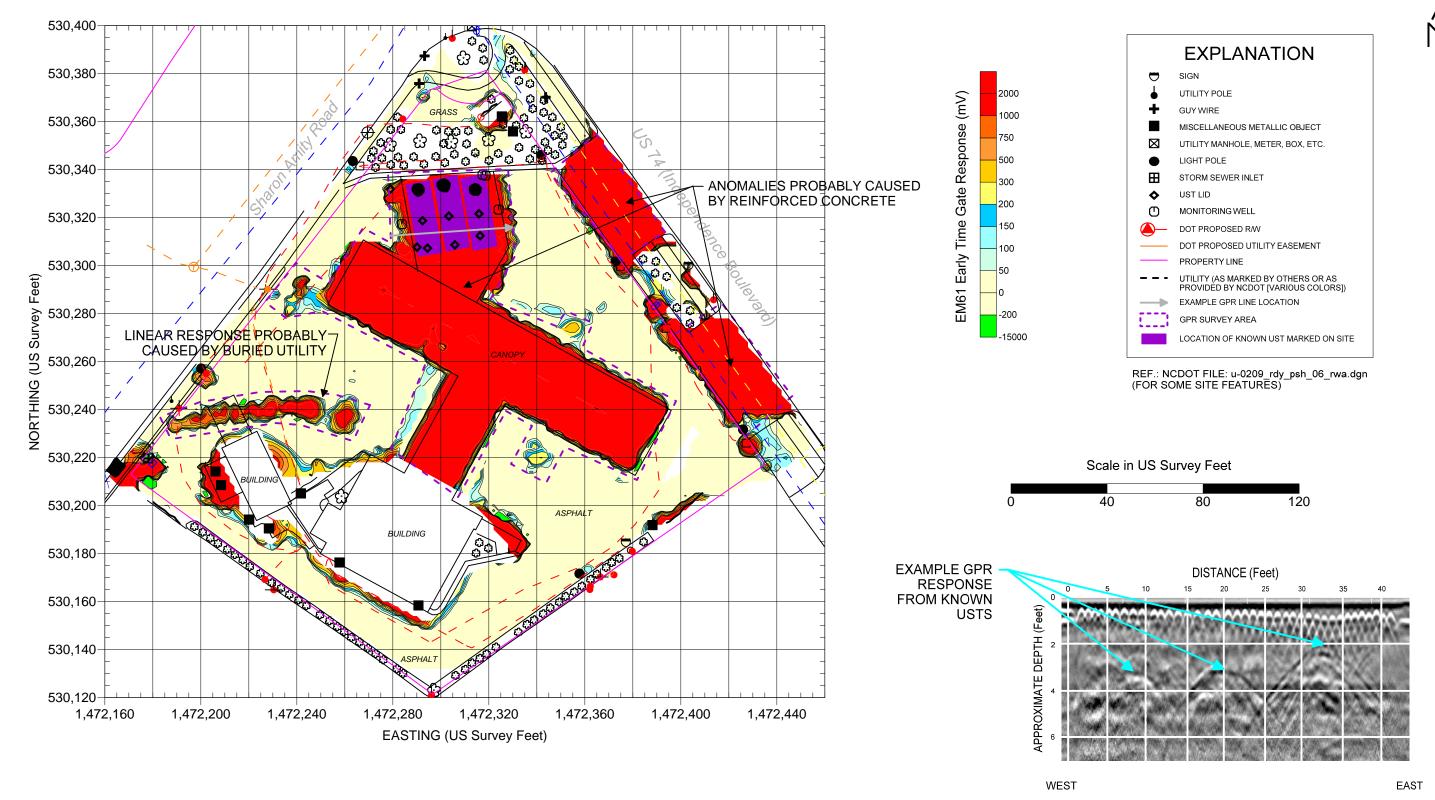
Edward D Billington, LG Senior Vice President

JS:JW:NB

Attachments: Figure 1

FILE: G:\2009 PROJECTS\09210013 (NCDOT 2009 GEOTECH UNIT SERVICES)\09210013.25 (U-0209B, MECKLENBURG CO.)\REPORT\PARCEL 18\SCHNABEL GEOPHYSICAL REPORT ON PARCEL 18.DOCX





Note: The contour plot shows the earliest and most sensitive time gate of the EM61 bottom coil/channel in millivolts (mV). The EM data were collected on June 14 through June 16, 2010, using a Geonics EM61-MK2 instrument. Positioning for the EM61 survey was provided using a submeter Trimble ProXRS DGPS system. Coordinates are in the US State Plane 1983 System, North Carolina Zone 3200, using the NAD 1983 datum. GPR data were acquired on June 22 through June 24, 2010, using a Geophysical Survey Systems SIR 3000 equipped with a 400 MHz antenna.



STATE PROJECT U-0209B NC DEPARTMENT OF TRANSPORTATION MECKLENBURG COUNTY, NC PROJECT NO. 09210013.25 PARCEL 18 EM61 EARLY TIME GATE RESPONSE

FIGURE

APPENDIX D

LABORATORY ANALYTICAL RESULTS



NC Certification No. 402 SC Certification No. 99012 NC Drinking Water Cert No. 37735

Case Narrative

07/20/2010

AMEC Earth & Env. Inc.(DOT Gree) Helen Corley 338 North Elm St. Suite 112 Greensboro, NC 27401 Project: NCDOT: Independence Blvd. Parcel 18

Project No.: WBS #34749.1.1 Lab Submittal Date: 07/07/2010 Prism Work Order: 0070208

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

President/Project Manager

Reviewed By

Karti a.

Data Qualifiers Key Reference:

A Surrogate is diluted out.

Aa Surrogate recovery above control limits.

Ab Surrogate recovery above the control limits. GRO was not detected in the sample. No further action required.

BRL Below Reporting Limit
MDL Method Detection Limit
RPD Relative Percent Difference

* Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and

reporting limit indicated with a J.



Sample Receipt Summary

07/20/2010

Prism Work Order: 0070208

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received	
P18-SB-1 (3-4)	0070208-01	Solid	07/06/10	07/07/10	
P18-SB-2 (4-5)	0070208-02	Solid	07/06/10	07/07/10	
P18-SB-3 (4-5)	0070208-03	Solid	07/06/10	07/07/10	
P18-SB-4 (5-6)	0070208-04	Solid	07/06/10	07/07/10	
P18-SB-5 (2-3)	0070208-05	Solid	07/06/10	07/07/10	
P18-SB-6 (5-6)	0070208-06	Solid	07/06/10	07/07/10	
P18-SB-7 (4-5)	0070208-07	Solid	07/06/10	07/07/10	
P18-SB-8 (4-5)	0070208-08	Solid	07/06/10	07/07/10	
P18-SB-9 (6-7)	0070208-09	Solid	07/06/10	07/07/10	

Samples received in good condition at 5.4 degrees C unless otherwise noted.







Project: NCDOT: Independence Blvd.

Parcel 18

Project No.: WBS #34749.1.1

Sample Matrix: Solid

Client Sample ID: P18-SB-1 (3-4)
Prism Sample ID: 0070208-01
Prism Work Order: 0070208
Time Collected: 07/06/10 15:10
Time Submitted: 07/07/10 12:55

Parameter	Result	Units	Report MDL Dilution Limit Factor		Method	Analysis Date/Time	Analyst	Batch ID	
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	10	1.8	1	*8015C	7/15/10 17:2	2 JMV	P0G0263
			Surrogate			Recov	very	Control	Limits
			o-Terphenyl			94	1 %	49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	6.5	0.84	50	*8015C	7/16/10 0:54	HPE	P0G0285
			Surrogate			Recov	very	Control	Limits
			a,a,a-Trifluo	rotoluene		12	4 %	55-129	
General Chemistry Parameters									
% Solids	61.5	% by Weight	0.100	0.100	1	*SM2540 G	7/12/10 14:30) JAB	P0G0203







Project: NCDOT: Independence Blvd.

Parcel 18

Project No.: WBS #34749.1.1

Sample Matrix: Solid

Client Sample ID: P18-SB-2 (4-5) Prism Sample ID: 0070208-02 Prism Work Order: 0070208 Time Collected: 07/06/10 15:30 Time Submitted: 07/07/10 12:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	410	mg/kg dry	47	7.6	5	*8015C	7/16/10 14:16	JMV	P0G0263
			Surrogate			Recov	/ery	Control I	_imits
			o-Terphenyl			10	0 %	49-124	
Gasoline Range Organics by GC/FI	D								
Gasoline Range Organics	3400	mg/kg dry	110	14	1000	*8015C	7/16/10 12:19	HPE	P0G0285
			Surrogate			Recov	/ery	Control I	_imits
			a,a,a-Trifluo	rotoluene		14	0 %	55-129	Α
General Chemistry Parameters									
% Solids	74.1	% by Weight	0.100	0.100	1	*SM2540 G	7/12/10 14:30	JAB	P0G0203







Project: NCDOT: Independence Blvd.

Parcel 18

Project No.: WBS #34749.1.1

Sample Matrix: Solid

Client Sample ID: P18-SB-3 (4-5) Prism Sample ID: 0070208-03 Prism Work Order: 0070208 Time Collected: 07/06/10 15:45 Time Submitted: 07/07/10 12:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	9.0	1.5	1	*8015C	7/15/10 18:3	4 JMV	P0G0263
			Surrogate			Reco	very	Control	Limits
			o-Terphenyl			85	5 %	49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	4.6	0.59	50	*8015C	7/16/10 10:2	8 HPE	P0G0285
			Surrogate			Reco	very	Control	Limits
			a,a,a-Trifluo	rotoluene		14	2 %	55-129	Ab
General Chemistry Parameters									
% Solids	77.4	% by Weight	0.100	0.100	1	*SM2540 G	7/12/10 14:3	0 JAB	P0G0203







Project: NCDOT: Independence Blvd.

Parcel 18

Project No.: WBS #34749.1.1

Sample Matrix: Solid

Client Sample ID: P18-SB-4 (5-6) Prism Sample ID: 0070208-04 Prism Work Order: 0070208 Time Collected: 07/06/10 16:10 Time Submitted: 07/07/10 12:55

Parameter	Result	Units	Report MDL Dilution Limit Factor		Method	Analysis Date/Time	Analyst	Batch ID	
Diesel Range Organics by GC/FID)								
Diesel Range Organics	BRL	mg/kg dry	9.8	1.6	1	*8015C	7/15/10 19:0	9 JMV	P0G0263
			Surrogate			Reco	very	Control	Limits
			o-Terphenyl			85	5 %	49-124	
Gasoline Range Organics by GC/	FID								
Gasoline Range Organics	4.5	mg/kg dry	4.5	0.58	50	*8015C	7/16/10 1:56	HPE	P0G0285
			Surrogate			Reco	very	Control	Limits
			a,a,a-Trifluo	rotoluene		87	7 %	55-129	
General Chemistry Parameters									
% Solids	71.4	% by Weight	0.100	0.100	1	*SM2540 G	7/12/10 14:3	0 JAB	P0G0203







Project: NCDOT: Independence Blvd.

Parcel 18

Project No.: WBS #34749.1.1

Sample Matrix: Solid

Client Sample ID: P18-SB-5 (2-3) Prism Sample ID: 0070208-05 Prism Work Order: 0070208 Time Collected: 07/06/10 16:40 Time Submitted: 07/07/10 12:55

Parameter	Result	Units	Report MDL Dilution Limit Factor		Method	Analysis Date/Time	Analyst	Batch ID	
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	9.2	1.5	1	*8015C	7/15/10 19:4	5 JMV	P0G0263
			Surrogate			Reco	very	Control	Limits
			o-Terphenyl			92	2 %	49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	4.8	0.63	50	*8015C	7/16/10 2:27	7 HPE	P0G0285
			Surrogate			Reco	very	Control	Limits
			a,a,a-Trifluo	rotoluene		12	7 %	55-129	
General Chemistry Parameters									
% Solids	76.0	% by Weight	0.100	0.100	1	*SM2540 G	7/12/10 14:3	0 JAB	P0G0203



07/20/2010



AMEC Earth & Env. Inc.(DOT Gree) Attn: Helen Corley 338 North Elm St. Suite 112 Greensboro, NC 27401 Project: NCDOT: Independence Blvd.

Parcel 18

Project No.: WBS #34749.1.1

Sample Matrix: Solid

Client Sample ID: P18-SB-6 (5-6) Prism Sample ID: 0070208-06 Prism Work Order: 0070208 Time Collected: 07/06/10 17:00 Time Submitted: 07/07/10 12:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	9.8	1.6	1	*8015C	7/15/10 20:2	0 JMV	P0G0263
			Surrogate			Reco	very	Control	Limits
			o-Terphenyl			86	5 %	49-124	
Gasoline Range Organics by GC/FIE)								
Gasoline Range Organics	BRL	mg/kg dry	5.2	0.68	50	*8015C	7/16/10 2:58	HPE	P0G0285
			Surrogate			Reco	very	Control	Limits
			a,a,a-Trifluo	rotoluene		10	6 %	55-129	
General Chemistry Parameters									
% Solids	71.3	% by Weight	0.100	0.100	1	*SM2540 G	7/12/10 14:30) JAB	P0G0203







Project: NCDOT: Independence Blvd.

Parcel 18

Project No.: WBS #34749.1.1

Sample Matrix: Solid

Client Sample ID: P18-SB-7 (4-5) Prism Sample ID: 0070208-07 Prism Work Order: 0070208 Time Collected: 07/06/10 17:20 Time Submitted: 07/07/10 12:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	10	1.6	1	*8015C	7/15/10 20:56	3 JMV	P0G0263
			Surrogate			Reco	very	Control	Limits
			o-Terphenyl			89	9 %	49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	5.7	0.75	50	*8015C	7/16/10 3:29	HPE	P0G0285
			Surrogate			Reco	very	Control	Limits
			a,a,a-Trifluo	rotoluene		11	8 %	55-129	
General Chemistry Parameters									
% Solids	68.6	% by Weight	0.100	0.100	1	*SM2540 G	7/12/10 14:30) JAB	P0G0203







Project: NCDOT: Independence Blvd.

Parcel 18

Project No.: WBS #34749.1.1

Sample Matrix: Solid

Client Sample ID: P18-SB-8 (4-5) Prism Sample ID: 0070208-08 Prism Work Order: 0070208 Time Collected: 07/06/10 17:45 Time Submitted: 07/07/10 12:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	9.1	1.5	1	*8015C	7/15/10 21:3	2 JMV	P0G0263
			Surrogate			Reco	very	Control	Limits
			o-Terphenyl			90) %	49-124	
Gasoline Range Organics by GC/FID)								
Gasoline Range Organics	BRL	mg/kg dry	5.1	0.67	50	*8015C	7/16/10 4:00) HPE	P0G0285
			Surrogate			Reco	very	Control	Limits
			a,a,a-Trifluo	rotoluene		94	1 %	55-129	
General Chemistry Parameters									
% Solids	77.0	% by Weight	0.100	0.100	1	*SM2540 G	7/12/10 14:30) JAB	P0G0203







Project: NCDOT: Independence Blvd.

Parcel 18

Project No.: WBS #34749.1.1

Sample Matrix: Solid

Client Sample ID: P18-SB-9 (6-7) Prism Sample ID: 0070208-09 Prism Work Order: 0070208 Time Collected: 07/06/10 18:20 Time Submitted: 07/07/10 12:55

Parameter	Result	Units	Report	MDL	Dilution	Method	Analysis	-	Batch
			Limit		Factor		Date/Time	9	ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	330	mg/kg dry	49	7.9	5	*8015C	7/16/10 14	:52 JMV	P0G0263
			Surrogate		Recovery		Control	Limits	
						88	3 %	49-124	
Gasoline Range Organics by GC/FID)								
Gasoline Range Organics	4100	mg/kg dry	110	14	1000	*8015C	7/16/10 5:	:02 HPE	P0G0285
			Surrogate			Recov	very	Control	Limits
			a,a,a-Trifluoi	otoluene		20	0 %	55-129	Α
General Chemistry Parameters									
% Solids	70.9	% by	0.100	0.100	1	*SM2540 G	7/12/10 14	:30 JAB	P0G0203
		Weight							



Project: NCDOT: Independence Blvd.

Parcel 18

Project No: WBS #34749.1.1

Prism Work Order: 0070208

Time Submitted: 7/7/10 12:55:00PM

Gasoline Range Organics by GC/FID - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0G0285 - 5035										
Blank (P0G0285-BLK1)			ı	Prepared	& Analyze	d: 07/15/1	0			
Gasoline Range Organics	BRL	5.0	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	4.65		mg/kg wet	5.00		93	55-129			
LCS (P0G0285-BS1)			ı	repared	& Analyze	d: 07/15/1	0			
Gasoline Range Organics	41.4	5.0	mg/kg wet	50.0		83	67-116			
Surrogate: a,a,a-Trifluorotoluene	5.30		mg/kg wet	5.00		106	55-129			
LCS Dup (P0G0285-BSD1)			ı	repared	& Analyze	ed: 07/15/1	0			
Gasoline Range Organics	43.2	5.0	mg/kg wet	50.0		86	67-116	4	200	
Surrogate: a,a,a-Trifluorotoluene	5.45		mg/kg wet	5.00		109	55-129			



Project: NCDOT: Independence Blvd.

Parcel 18

Project No: WBS #34749.1.1

Prism Work Order: 0070208

Time Submitted: 7/7/10 12:55:00PM

Diesel Range Organics by GC/FID - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P0G0263 - 3545A										
Blank (P0G0263-BLK1)			ı	Prepared	: 07/14/10	Analyzed	: 07/15/10			
Diesel Range Organics	BRL	7.0	mg/kg wet							
Surrogate: o-Terphenyl	1.50		mg/kg wet	1.60		94	49-124			
LCS (P0G0263-BS1)			ı	Prepared	: 07/14/10	Analyzed	: 07/15/10			
Diesel Range Organics	64.4	7.0	mg/kg wet	79.8		81	55-109			
Surrogate: o-Terphenyl	2.02		mg/kg wet	1.60		127	49-124			Aa
LCS Dup (P0G0263-BSD1)			ı	Prepared	: 07/14/10	Analyzed	: 07/16/10			
Diesel Range Organics	59.5	7.0	mg/kg wet	79.9		74	55-109	8	200	
Surrogate: o-Terphenyl	1.81		mg/kg wet	1.60		113	49-124			



Project: NCDOT: Independence Blvd.

Parcel 18 Project No: WBS #34749.1.1 Prism Work Order: 0070208

Time Submitted: 7/7/10 12:55:00PM

General Chemistry Parameters - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Ratch	Dリじしろしる	- NO PRFP

Duplicate (P0G0203-DUP1)	Sour	rce: 0070208-03	Prepared & Analyzed: 07/12/10			
% Solids	77.6	0.100 % by Weigl	ht 77.4	0.3	20	

Sample Extraction Data

Prep Method: 3545A

Lab Number	Batch	Initial	Final	Date	
0070208-01	P0G0263	25.09 g	1 mL	07/14/10	
0070208-02	P0G0263	25.03 g	1 mL	07/14/10	
0070208-03	P0G0263	25.15 g	1 mL	07/14/10	
0070208-04	P0G0263	25.13 g	1 mL	07/14/10	
0070208-05	P0G0263	25.05 g	1 mL	07/14/10	
0070208-06	P0G0263	25.12 g	1 mL	07/14/10	
0070208-07	P0G0263	25.05 g	1 mL	07/14/10	
0070208-08	P0G0263	25.03 g	1 mL	07/14/10	
0070208-09	P0G0263	25.09 g	1 mL	07/14/10	

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date
0070208-01	P0G0285	6.28 g	5 mL	07/15/10
0070208-02	P0G0285	6.38 g	5 mL	07/15/10
0070208-03	P0G0285	7.08 g	5 mL	07/15/10
0070208-04	P0G0285	7.84 g	5 mL	07/15/10
0070208-05	P0G0285	6.8 g	5 mL	07/15/10
0070208-06	P0G0285	6.74 g	5 mL	07/15/10
0070208-07	P0G0285	6.35 g	5 mL	07/15/10
0070208-08	P0G0285	6.32 g	5 mL	07/15/10
0070208-09	P0G0285	6.36 g	5 mL	07/15/10

NO PREP

Lab Number	Batch	Initial	Final	Date
0070208-01	P0G0203	30 g	30 mL	07/12/10
0070208-02	P0G0203	30 g	30 mL	07/12/10
0070208-03	P0G0203	30 g	30 mL	07/12/10
0070208-04	P0G0203	30 g	30 mL	07/12/10
0070208-05	P0G0203	30 g	30 mL	07/12/10
0070208-06	P0G0203	30 g	30 mL	07/12/10
0070208-07	P0G0203	30 g	30 mL	07/12/10
0070208-08	P0G0203	30 g	30 mL	07/12/10
0070208-09	P0G0203	30 g	30 mL	07/12/10

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0	P HISM ABORNIORIES, INC.
543 • Charlotte, NC 28224-0	Full-Service Analytical Environmental Solution

13 (28 AS DO CO. ALC. 2) Phone: 336-691-5398 Fax (Yes) (No): Reporting Address: 33X Client Company Name: AMEL Report To/Contact Name: Site Location Physical Address: EDD Type: PDF / Excel Email (xes) (No) Email Address he ken Corlege AMC Site Location Name: _ P18-5B-4 DNC DSC DNC DSC CLIENT SAMPLE DESCRIPTION Upon relinquishing, this Chain of Custod is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized. 18-501 NPDES: ☐ Fed Ex ☐ UPS Sampler's Signature 2-18-58-8/4-Phone: 704/529-6364 • Fax: 704/525-0409 Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH COSTODY SEALS FOR ANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY. Relinquished By: (Signature) Relinquished By: (Signature) Relinquished By: (Signature) 1-18-5B--18-50-6 2.1828-5 18-56-3 18-50-2(4-5 land-delivered MATIC DATE 1-6-10 ONC OSC GROUNDWATER: Helen Other COLLECTED MILITARY Or lex 1610 0h9 HOURS 700 545 530 TIME 740 \gtrsim DRINKING WATER: □NC □SC 2001 Sampled By (Print Name) 107 WATE SLUD ŝ Received By: (Signature) leceived For Prism Laboratories By: SOLID WASTE:

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		ی-	NA Y	SIZE	NER	on business da ERMS & CONDI LABORATORII	9 Days A Sta	Day □2 Day	illina Refere	9		project spec	(Yes) (No	ecente	TE # TO ENSU	FCU	
				TIVES	PRESERVA-	Turnaround time is based on business days, excluding weekends and Turnaround time is based on business days, excluding weekends and (see reverse for terms & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)	Indard 10 days	Requested Due Date	Purchase Order No./Billing Reference W/85 34 767.	/	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ific reporting (C) UST P	Project Name: Independence Blud	PAGE OF QUOTE # TO ENSURE PROPER BILLING:	STODY	
			۶ ۲	6204		Jampies leterived drief 1000 will be processed from bosinos way. Turnaround time is based on business days, excluding weekends and holidays. (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLENT)	☐ 6-9 Days A Standard 10 days ☐ Push Work Must be	Days □ 5 Days	34 749/1/			*Please ATTACH any project specific reporting (QC LEVEL I II III IV)	UST Project: (Yes) (No)		NG:	CHAIN OF CUSTODY RECORD	
		110		REM	ALYSES REQUESTED	Water Chlorinated: YES NO Sample Iced Upon Collection: YES	SCOTHER	Certification: NELACUSACE	TO BE FILLED IN BY CLIENT/SAMPLIN	PROPER CONTAINERS used?	VOLATILES rec'd W/OUT HEADSPACE?	V h to plant of or 27 of a 1944) or o gr C 1944	POWER OF THE PARTY	Heceived ON WET ICE? Temp : Dr. Y	Samples INTACT upon arrival?	LAB USE ONLY	
				REMARKS		No	N/A		APLING PEF				<\	\ \	Ç		
`	57	င္	<u>o</u>	ID NO.	PRISM			NC (G PERSONNEL	1		 Pa	iae	15	of	()	

SEE REVERSE FOR CONDITIONS

ORIGINAL

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

RCRA: ONC OSC

ONC OSC CERCLA

DNC DSC DNC DSC

LANDFILL

OTHER:

SOFORDS

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Mileage:

Field Tech Fee: Site Departure Time: Holzschuh Attiliation AMEC

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Additional Comments:

Site Arrival Time:

PRISM USE ONLY

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