

June 25, 2010

Ms. Cheryl Youngblood  
North Carolina Department of Transportation  
Geotechnical Engineering Unit  
1589 Mail Service Center  
Raleigh, North Carolina 27699-1589

Reference: Preliminary Site Assessment  
Gary and Juadane Smith Property (Parcel #157)  
1401 Union Cross Road  
Kernersville, Forsyth County, North Carolina  
NCDOT Tip No. U-4909  
WBS Element 40278.1.1  
AECOM Project No. 60155373

Dear Ms. Youngblood:

AECOM Technical Services of North Carolina, Inc., (AECOM) has completed the Preliminary Site Assessment conducted at the above-referenced property. The work was performed in accordance with the Technical and Cost proposal dated May 3, 2010, and the North Carolina Department of Transportation's (NCDOT's) Notice to Proceed dated May 5, 2010. Activities associated with the assessment consisted of conducting a geophysical investigation, collecting soil samples for laboratory analysis, and reviewing applicable North Carolina Department of Environment and Natural Resources (NCDENR) records. The purpose of this report is to document the field activities, present the laboratory analyses, and provide recommendations regarding the property.

### **Location and Description**

The Gary and Juadane Property (Parcel #157) is located at 1401 Union Cross Road (SR 2643) in Kernersville, Forsyth County, North Carolina. The property is situated on the southeast quadrant at the intersection of Union Cross Road and Old Salem Road (SR 2632) (Figure 1). Based on information supplied by the NCDOT and the site visit, AECOM understands that the site is a former gas station that has been converted to a commercial business (G. Witts Car Sales). According to the NCDENR databases, five underground storage tanks (USTs) were removed from the property in 1988. No information regarding the actual location of the tanks is available for review. The structures on the property consist of one block building with an asphalt parking lot in front and on the north side. The east side of the building is gravel with a chain-link fence enclosing a shop area (Figure 2). The NCDOT has advised that the right-of-way/easement will affect most of the property. Because of the unknown location of the USTs, the NCDOT

requested a Preliminary Site Assessment. The scope of work as defined in the Request for Technical and Cost Proposal was to evaluate the site with respect to the presence of USTs and assess where contamination exists on the property. An estimate of the quantity of impacted soil was to be provided.

AECOM reviewed the on-line NCDENR Incident Management database and no Incident Number has been assigned to the property. AECOM also examined the UST registration database to obtain UST ownership information. According to the database, the former USTs on the property were operated under Facility Number 0-024320. The operator and owner of the tanks were listed as follows:

Owner

Dewitt Smith  
898 Sedge Garden Road  
Kernersville, NC 27284  
(336) 993-4127

Operator

Dewitt Smith's Service Station and Garage  
1401 Union Cross Road  
Kernersville, NC 27284  
No telephone

### **Geophysical Survey**

Prior to AECOM's mobilization to the site, Pyramid Environmental conducted a geophysical survey as part of this project to evaluate if USTs were present on the proposed right-of-way/easement. The geophysical survey consisted of an electromagnetic survey using a Geonics EM61 time-domain electromagnetic induction meter to locate buried metallic objects, specifically USTs. A survey grid was laid out at the property with the X-axis oriented approximately parallel to Union Cross Road and the Y-axis oriented approximately perpendicular to Union Cross Road. The grid was located to cover the accessible portions of the proposed right-of-way. The survey lines were spaced 5 feet apart. Magnetic data was collected continuously along each survey line with a data logger. After collection, the data was reviewed in the field with graphical computer software. Following the electromagnetic survey, a ground penetrating radar (GPR) survey was conducted where needed to further evaluate any significant metallic anomalies.

Access was available to all areas of the proposed right-of-way/easement on the property and several anomalies were detected with the geophysical survey. All of these anomalies were attributed to buried utility lines or conduits, or vehicles. A detailed report of findings and interpretations is presented in Attachment A.

### **Site Assessment Activities**

On May 25, 2010, AECOM mobilized to the site to conduct a Geoprobe® direct push investigation to evaluate soil conditions within the proposed right-of-way/easement. Continuous sampling using direct push technology (American Environmental Drilling of Aberdeen, North Carolina) resulted in generally good recovery of soil samples from the direct-push holes. Soil

samples were collected and contained in acetate sleeves inside the direct push sampler. Each of these sleeves was divided into 2-foot long sections for soil sample screening. Each 2-foot interval was placed in a resealable plastic bag and the bag was set aside for a sufficient amount of time to allow volatilization of organic compounds from the soil to the bag headspace. The probe of a flame ionization detector/photo ionization detector (FID/PID) was inserted into the bag and the reading was recorded. After terminating the sample hole, the soil sample from the depth interval with the highest FID/PID reading was submitted to Prism Laboratories in Charlotte, North Carolina, using standard chain-of-custody procedures. The laboratory analyzed the soil samples for total petroleum hydrocarbons (TPH) in the diesel range organics (DRO) and gasoline range organics (GRO).

Six direct-push holes (GS-1 through GS-6) were advanced within the proposed right-of-way/easement to a depth of 10 feet as shown in Figure 2 and Attachment B. The borings were located to evaluate the entire right-of-way/easement (Attachment C). Boring GS-1 was located to evaluate the soil conditions along the right-of-way/easement line and within the fenced area east of the building. Boring GS-2 was placed on the north side of the building and borings GS-3 through GS-5 were located to assess the west side of the property. Boring GS-6 was placed to evaluate the conditions within the proposed drainage easement. The lithology encountered by the direct-push samples was not consistent throughout the site. The ground surface was covered with about 3 inches of asphalt/gravel or gravel only. Below the surface covering, boring GS-1 encountered a medium to gold-brown silt and sand mix throughout the entire boring while boring GS-2 encountered medium brown soft clay the entire depth. The remaining borings revealed medium to reddish brown or tan silt/clay to a depth of about 5 to 8 feet. At this depth, the lithology becomes an olive brown silt clay to a depth of 9 feet, where it grades into a light brown silt/sand. All the borings were terminated at a depth of 10 feet where groundwater was encountered. Based on field screening, soil samples were submitted for laboratory analysis, which are summarized in Table 1. Following completion, each boring was backfilled in accordance with 15A NCAC 2C.

### **Analytical Results**

Based on the laboratory reports, summarized in Table 1 and presented in Attachment D, petroleum hydrocarbon compounds identified as DRO were detected in one of the six soil samples collected from the site. The soil sample from boring GS-2 contained a DRO concentration above the method quantitation limit. According to the North Carolina Underground Storage Tank Section's Underground Storage Tank Closure Policy dated August 24, 1998, the action level for TPH analyses is 10 milligrams per kilogram (mg/kg) for both gasoline and diesel fuel. However, that agency's "Guidelines for Assessment and Corrective Action," dated December 2008, does not allow for use of TPH analyses for confirmation of the extent of petroleum contamination or its cleanup. As a result, while TPH concentrations are no longer applicable in determining if soil contamination is present, this analysis is a legitimate screening tool. Based on the TPH action level for UST closures, the assumed action level for

this report is 10 mg/kg. The DRO concentration (10 mg/kg) in the soil sample from boring GS-2 was present at concentrations at the 10 mg/kg assumed action level.

### **Conclusions and Recommendations**

A Preliminary Site Assessment was conducted to evaluate the Gary and Juadane Smith Property (Parcel #157) located at 1401 Union Cross Road in Kernersville, Forsyth County, North Carolina. Six soil borings were advanced to evaluate the soil conditions throughout the right-of-way/easement. The laboratory reports of the soil samples from these borings suggest that a DRO concentration was present at the assumed action level in one of the six soil samples analyzed.

To evaluate the volume of soil requiring possible remediation, the soil samples with TPH concentrations above 10 mg/kg were considered. The analytical results of the soil samples suggest that the soil from boring GS-2 contained a TPH concentration identified as DRO at the assumed action level. A review of the field screening readings (Table 1) suggests that the potential contamination is likely present throughout the entire boring, which is 10 feet. Because the contamination was detected in only one boring and at a relative low concentration, AECOM assumed the potential contamination to be contained within a 5-foot radius around the boring. Using a cylinder volume equation, AECOM calculated the volume of potentially contaminated soil to be about 29 cubic yards. This volume is estimated from TPH analytical data, which are no longer valid for remediation of sites reported after January 2, 1998. After this date, MADEP EPH/VPH and EPA Method 8260/8270 analyses will likely be required to confirm cleanup. However, these analyses do not correlate exactly with TPH data and, as a result, the actual volume of contaminated soil may be higher or lower.

The attached Figure 2 shows that a fill section is proposed for the areas where the potentially contaminated soil is located. Because the area is in a fill section, the contaminated soil will likely not affect the project.

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AECOM appreciates the opportunity to work with the NCDOT on this project. Because compounds were detected above the applicable action levels in the soil samples, AECOM recommends that a copy of this report be submitted to the Winston-Salem Regional Office UST Section. If you have any questions, please contact me at (919) 854-6238.

Sincerely,



Michael W. Branson, P.G.  
Project Manager

Attachments

c: Project File

TABLE 1

SOIL FIELD SCREENING AND ANALYTICAL RESULTS  
 GARY AND JUADANE SMITH PROPERTY (PARCEL #157)  
 KERNERSVILLE, FORSYTH COUNTY, NORTH CAROLINA  
 NCDOT PROJECT NO. U-4909  
 WBS ELEMENT 40278.1.1  
 AECOM PROJECT NO. 60155373

LOCATION	DEPTH (ft)	FID READING (ppm)	SAMPLE ID	ANALYTICAL RESULTS (mg/kg)	ASSUMED ACTION LEVEL (mg/kg)
GS-1	0 - 2	0.17			
	2 - 4	0.28			
	4 - 6	0.50			
	6 - 8	0.46			
	8 - 10	0.56	GS-1	DRO (BQL) GRO (BQL)	10 10
GS-2	0 - 5	0.54			
	5 - 10	0.74	GS-2	<b>DRO (10)</b> GRO (BQL)	10 10
GS-3	0 - 2	0.59			
	2 - 4	0.65			
	4 - 6	0.73	GS-3	DRO (BQL) GRO (BQL)	10 10
	6 - 8	0.39			
	8 - 10	0.58			
GS-4	0 - 2	0.45			
	2 - 4	0.79			
	4 - 6	0.84	GS-4	DRO (BQL) GRO (BQL)	10 10
	6 - 8	0.34			
	8 - 10	0.60			
GS-5	0 - 2	0.37			
	2 - 4	0.21			
	4 - 6	0.46			
	6 - 8	1.41			
	8 - 10	4.19	GS-5	DRO (BQL) GRO (BQL)	10 10
GS-6	0 - 2	0.83			
	2 - 4	1.77			
	4 - 6	2.72			
	6 - 8	3.08			
	8 - 10	11.95	GS-6	DRO (BQL) GRO (BQL)	10 10

Soil samples were collected on May 25, 2010.

DRO - Diesel range organics.

GRO - Gasoline range organics.

BQL - Below quantitation limit.

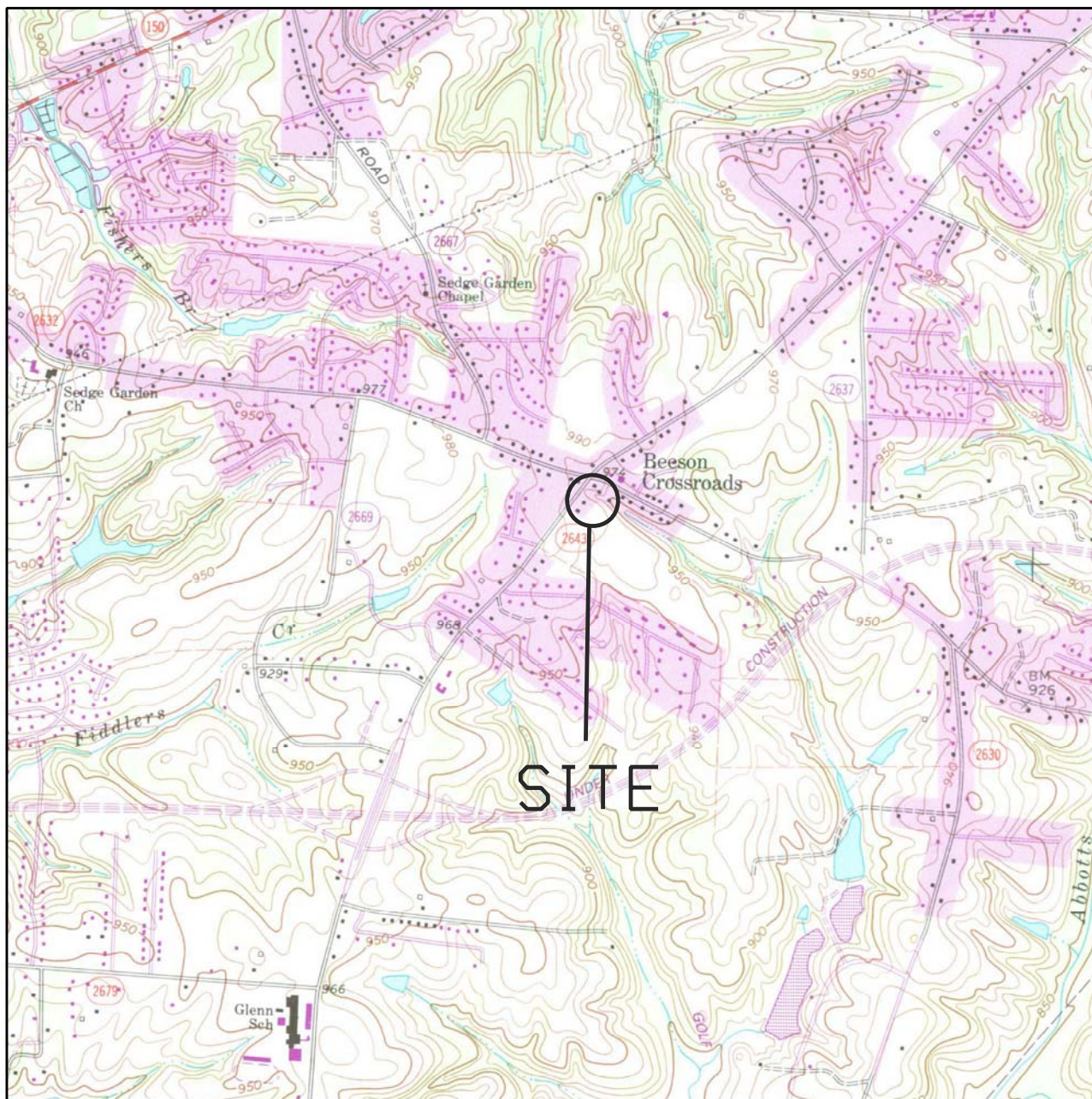
ppm - parts per million.

mg/kg - milligrams per kilogram.

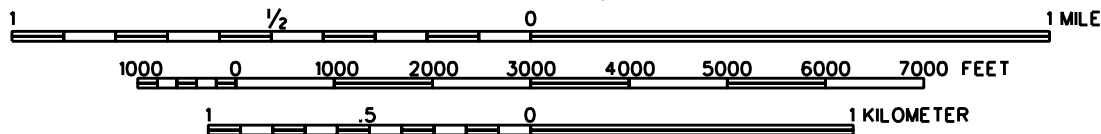
**BOLD** values are present above the assumed action level.



## **FIGURES**



SCALE 1:24,000



SOURCE: U.S. GEOLOGICAL SURVEY 7.5 MIN QUADRANGLE: KERNERSVILLE, NC (REV 1994)



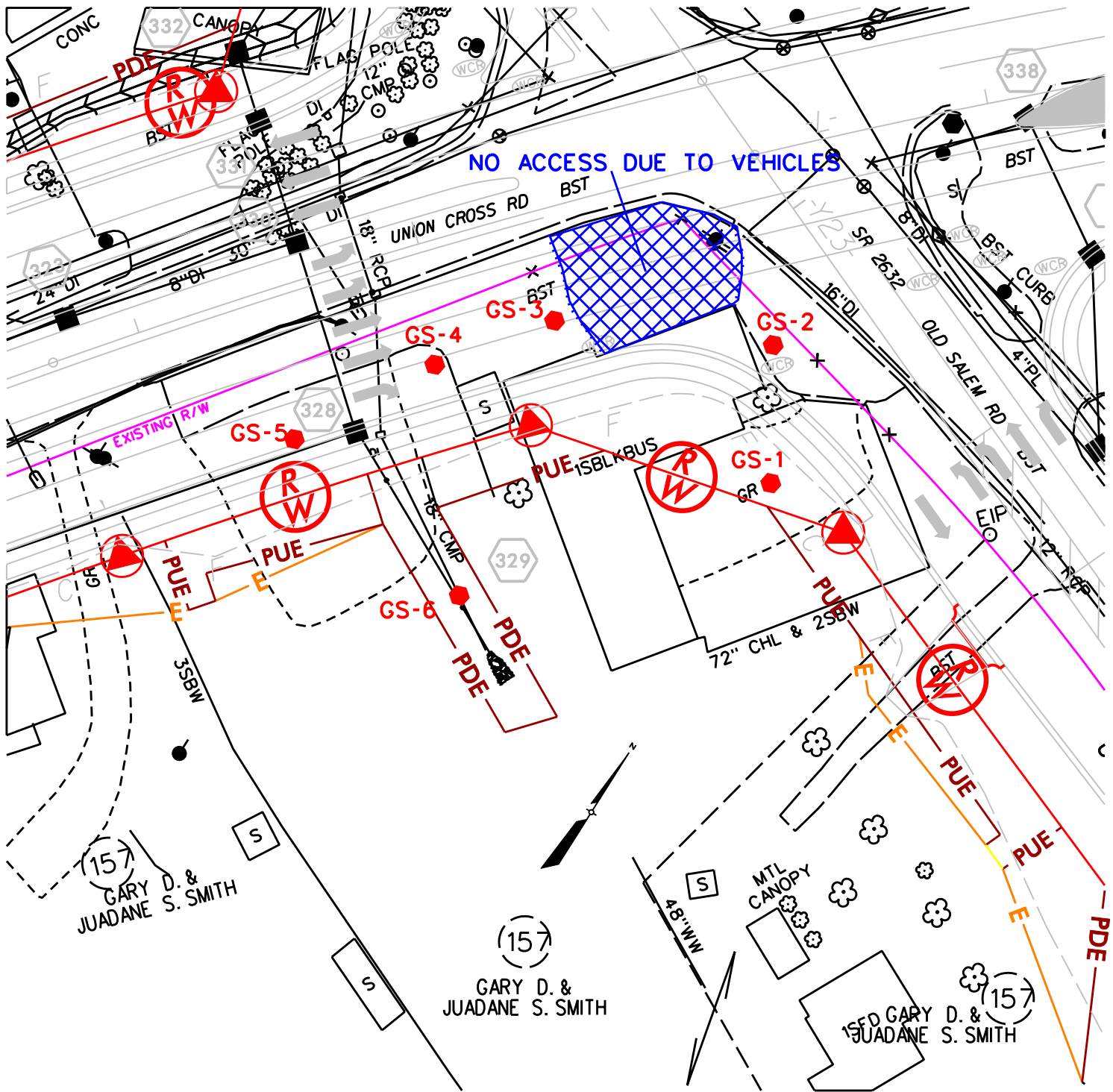
**FIGURE 1**  
**VICINITY MAP**

GARY AND JUADANE SMITH PROPERTY (PARCEL #157)  
KERNERSVILLE, FORSYTH COUNTY NORTH CAROLINA

MAY 2010

60155373



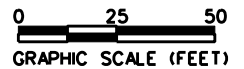


**LEGEND**

**GS-1**



SOIL SAMPLE LOCATION AND IDENTIFICATION



**FIGURE 2**  
**SITE MAP**  
 GARY AND JUADANE SMITH PROPERTY (PARCEL #157)  
 KERNERSVILLE, FORSYTH COUNTY, NORTH CAROLINA  
 MAY 2010

60155373

**ATTACHMENT A**

**GEOPHYSICAL INVESTIGATION REPORT**

*EM61 & GPR SURVEYS*

**GARY D. & JUADANE S. SMITH PROPERTY**

**PARCEL 157**

**Forsyth County, North Carolina**

**June 7, 2010**

**Report prepared for: Michael W. Branson, PG  
AECOM Environment  
701 Corporate Center Drive, Suite 475  
Raleigh, North Carolina 27607**

**Prepared by: \_\_\_\_\_  
Mika Trifunovic**

**Reviewed by: \_\_\_\_\_  
Douglas Canavello, PG**

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P.O. Box 16265  
GREENSBORO, NC 27416-0265  
(336) 335-3174**

**AECOM Environment**  
**GEOPHYSICAL INVESTIGATION REPORT**  
**GARY D. & JUADANE S. SMITH PROPERTY**  
**PARCEL 157**  
**Forsyth County, North Carolina**

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Figure 1	Geophysical Equipment & Site Photographs
Figure 2	EM61 Metal Detection – Bottom Coil Results
Figure 3	EM61 Metal Detection – Differential Results

## **1.0 INTRODUCTION**

Pyramid Environmental conducted geophysical investigations for AECOM Environment across the proposed Right-of-Way (ROW) area of the Gary D. and Juadane S. Smith property (Parcel 157) located at the intersection of Union Cross Road and Old Salem Road in Forsyth County, North Carolina. The property consists of a one-story commercial building surrounded by an asphalt-covered parking area and a fenced-in “compound area” containing non-operating vehicles and equipment.

The geophysical investigation was conducted on May 11 and 19, 2010 to determine if unknown, metallic underground storage tanks (USTs) were present beneath the proposed ROW area. AECOM Environment representative Mr. Michael Branson, PG identified the geophysical survey area to Pyramid Environmental personnel prior to the investigation. The geophysical survey area has a maximum length and width of 220 feet and 110 feet respectively. Photographs of the geophysical equipment used in this investigation and the front portion of the Gary D. and Juadane S. Smith property (Parcel 157) are shown in **Figure 1**.

## **2.0 FIELD METHODOLOGY**

Prior to conducting the geophysical investigation, a 10-foot by 10-foot survey grid was established across the geophysical survey area (property) using measuring tapes, pin flags and water-based marking paint. These grid marks were used as X-Y coordinates for location control when collecting the geophysical data and establishing base maps for the geophysical results.

The geophysical investigation consisted of electromagnetic (EM) induction-metal detection surveys and ground penetrating radar (GPR) surveys. The EM survey was performed on May 11, 2010 across the asphalt-covered parking area of the site and the grassy area along Old Salem Road using a Geonics EM61-MK1 metal detection instrument. According to the instrument specifications, the EM61 can detect a metal drum down to a maximum depth of approximately 8 feet. Smaller objects (1-foot or less in size) can be detected to a maximum depth of 4 to 5 feet. All of the EM61 data were

digitally collected at approximately 0.8 foot intervals along northerly-southerly, or easterly-westerly, parallel survey lines spaced five feet apart. All of the data were downloaded to a computer and reviewed in the field and office using the Geonics DAT61W and Surfer for Windows Version 7.0 software programs.

GPR surveys and reconnaissance were conducted on May 19, 2010 across selected EM61 differential anomalies and across the fenced-in “compound area” using a GSSI SIR-2000 unit equipped with a 400 MHz antenna. Data were digitally collected in a continuous mode along X-axis and/or Y-axis survey lines, spaced 2.5 to 5.0 feet apart using a vertical scan of 512 samples, at a rate of 48 scans per second. A 70 MHz high pass filter and an 800 MHz low pass filter were used during data acquisition with the 400 MHz antenna. GPR data were collected down to a maximum depth of approximately 5 feet, based on an estimated two-way travel time of 8 nanoseconds per foot. All of the GPR data were downloaded to a field computer and reviewed in the field and office using Radprint software.

Contour plots of the EM61 bottom coil and differential results are presented in **Figures 2 and 3**, respectively. The bottom coil results represent the most sensitive component of the EM61 instrument and detect metal objects regardless of size. The bottom coil response can be used to delineate metal conduits or utility lines, small, isolated metal objects, and areas containing insignificant metal debris. The differential results are obtained from the difference between the top and bottom coils of the EM61 instrument. The differential results focus on the larger metal objects such as drum and UST-size objects and ignore the smaller insignificant metal objects.

Preliminary geophysical results obtained from Parcel 157 were emailed to Mr. Branson during the week of May 17, 2010.

### **3.0 DISCUSSION OF RESULTS**

The linear EM61 bottom coil anomaly intersecting grid lines X=110 Y=267 is probably in response to a buried utility line(s) that run along the southern edge of Old Salem Road. The series of low

amplitude bottom coils anomalies intersecting grid coordinates X=12 Y=60 may be in response to a line or conduit that runs along the east side of Union Cross Road. The linear bottom coil anomalies intersecting grid coordinates X=40 Y=190, X=55 Y=235, X=70 Y=102, and X=84 Y=240 are probably in response to buried lines or conduits. The high amplitude bottom coil anomalies centered near grid coordinates X=15 Y=100 and X=55 Y=93 are probably in response to known utility-related objects and a storm sewer drain, respectively.

GPR data suggest the high amplitude bottom coil anomalies (negative differential anomalies) centered near grid coordinates X=50 Y=160, X=70 Y=222, X=97 Y=240, and X=140 Y=254 are in response to the buildings and metallic fence line. GPR data suggest the high amplitude bottom coil anomaly (negative differential anomaly) centered near grid coordinates X=45 Y=210 is in response to the parked vehicle.

A GPR reconnaissance conducted across the accessible portions of the compound area centered near grid coordinates X=125 Y=210 did not detect the presence of a buried metallic UST. However, a significant portion of the compound area contains non-operating vehicles and equipment. Furthermore, Mr. Gary Smith mentioned that a UST lies beneath the building and located approximately near grid coordinates X=105 Y=155. This approximate location suggests the UST is located outside of the proposed ROW area.

Excluding the possible UST beneath the building, as suggested by Mr. Smith, the geophysical investigation suggests the accessible portions of the proposed ROW area at Parcel 157 do not contain buried metallic USTs.

#### **4.0 SUMMARY & CONCLUSIONS**

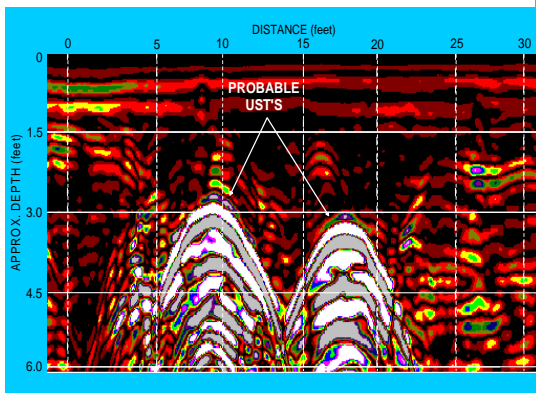
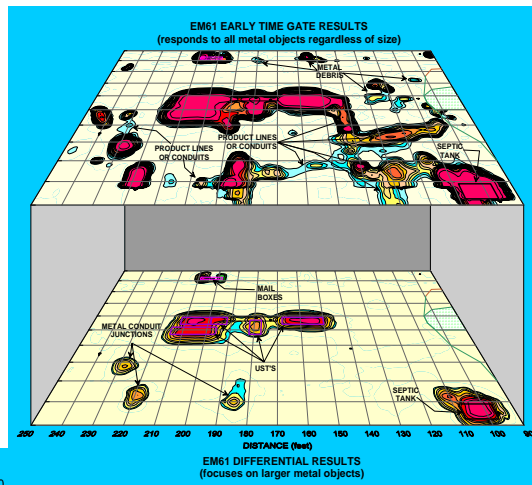
Our evaluation of the EM61 and GPR data collected across the accessible portions of the proposed ROW area at the Gary D. and Juadane S. Smith property (Parcel 157) located at the intersection of Union Cross Road and Old Salem Road in Forsyth County, North Carolina, provides the following summary and conclusions:

- The EM61 and GPR surveys provided reliable results for the detection of metallic USTs within the surveyed portions of the site.
- The linear EM61 bottom coil anomaly intersecting grid lines X=110 Y=267 is probably in response to a buried utility line(s) that run along the southern edge of Old Salem Road. The series of low amplitude bottom coils anomalies intersecting grid coordinates X=12 Y=60 may be in response to a line or conduit that runs along the east side of Union Cross Road. The linear bottom coil anomalies intersecting grid coordinates X=40 Y=190, X=55 Y=235, X=70 Y=102, and X=84 Y=240 are probably in response to buried lines or conduits.
- A GPR reconnaissance conducted across the accessible portions of the compound area centered near grid coordinates X=125 Y=210 did not detect the presence of a buried metallic UST. However, a significant portion of the compound area contains vehicles and equipment.
- Excluding the possible UST beneath the building, as suggested by Mr. Gary Smith, the geophysical investigation suggests the accessible portions of the proposed ROW area at Parcel 157 do not contain buried metallic USTs.

## **5.0 LIMITATIONS**

EM61 and GPR surveys have been performed and this report prepared for AECOM Environment in accordance with generally accepted guidelines for EM61 and GPR surveys. It is generally recognized that the results of the EM61 and GPR are non-unique and may not represent actual subsurface conditions. The EM61 and GPR results obtained for this project have not conclusively determined that the proposed ROW area does not contain unknown, buried metallic USTs, but that none were detected.

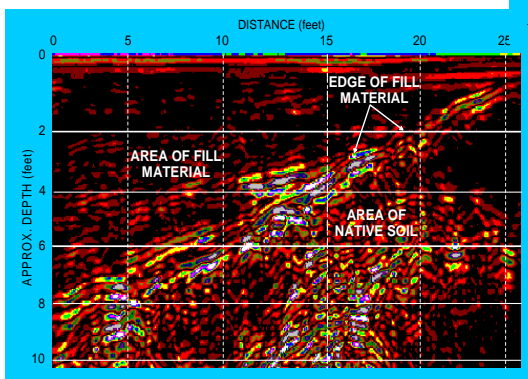
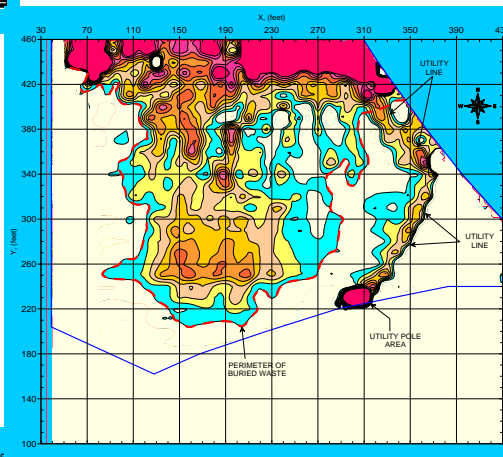




## FIGURES

(on the following pages)

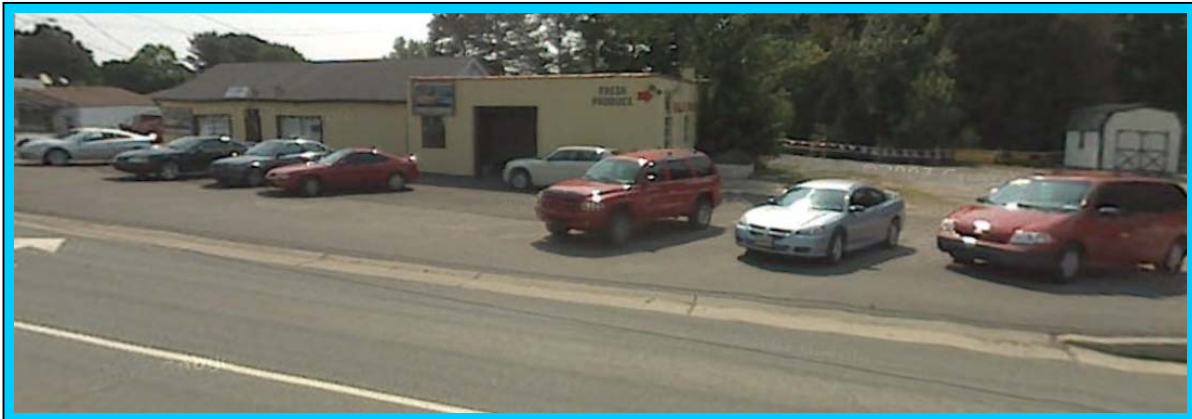
Figures shown on this page are for esthetic purposes only and are not related to the geophysical results discussed in this report.



The photograph shows the Geonics EM61 metal detector that was used to conduct the metal detection survey across the proposed ROW area of Parcel 157 on May 11, 2010.



The photographs show the SIR-2000 GPR system equipped with a 400 MHz antenna that were used to conduct the ground penetrating radar investigation at Parcel 157 on May 19, 2010.



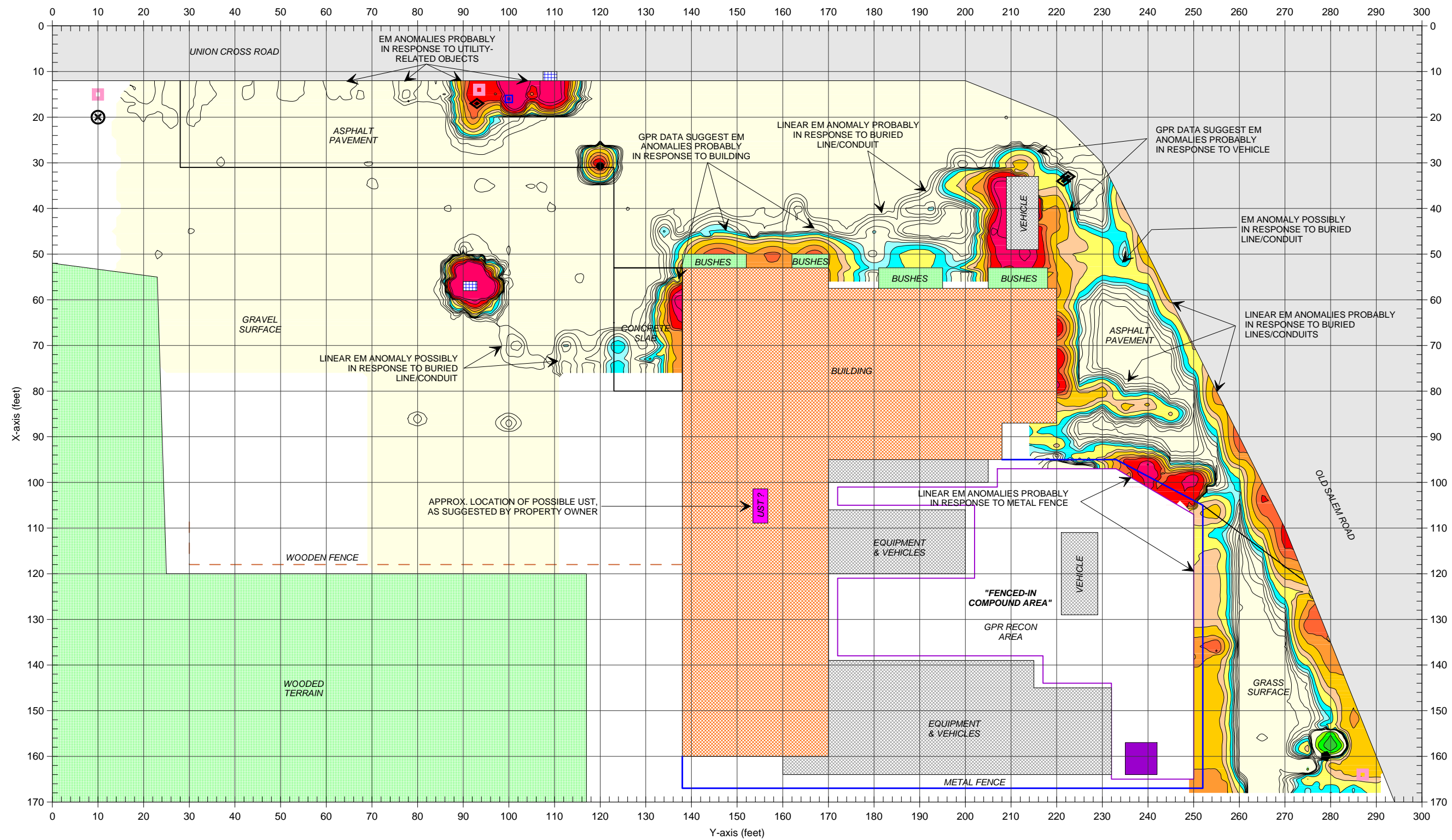
The photograph shows the front (western portion) of the Gary & Juadane Smith property (Parcel 157) located at the intersection of Union Cross Road and Old Salem Road in Forsyth County, North Carolina. The photograph is viewed in a northeasterly direction.



CLIENT	AECOM ENVIRONMENT		DATE	06/07/10	BY	MJD
SITE	GARY D. & JUADANE SMITH PROPERTY (PARCEL 157)		LAY		DRWD	
CITY	FORSYTH COUNTY	STATE	NORTH CAROLINA	ENWG		
TITLE	GEOPHYSICAL RESULTS		PROJ	2010-109	PROJLE	

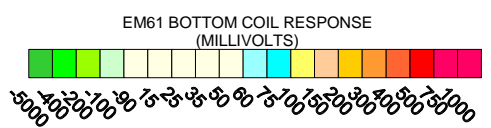
GEOPHYSICAL EQUIPMENT & SITE PHOTOGRAPHS

FIGURE 1



**LEGEND**

SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART	ROAD SIGN
BUILDING	STORM SEWER GRATE
DUMPSTER	STORM SEWER COVER
GUY WIRE	UTILITY POLE
MAILBOX	UTILITY LINE BOX
MISC. EQUIPMENT OR VEHICLE	WATER METER BOX
MONITORING WELL	POSSIBLE UST, AS SUGGESTED OWNER
	AREA SCANNED WITH GPR UNIT



The contour plot shows the bottom coil (most sensitive) response of the EM61 instrument in millivolts (mV). The bottom coil response shows buried metallic objects regardless of size. The EM metal detection data were collected on May 11, 2010 using a Geonics EM61 instrument. Ground penetrating radar (GPR) data were acquired on May 19, 2010 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

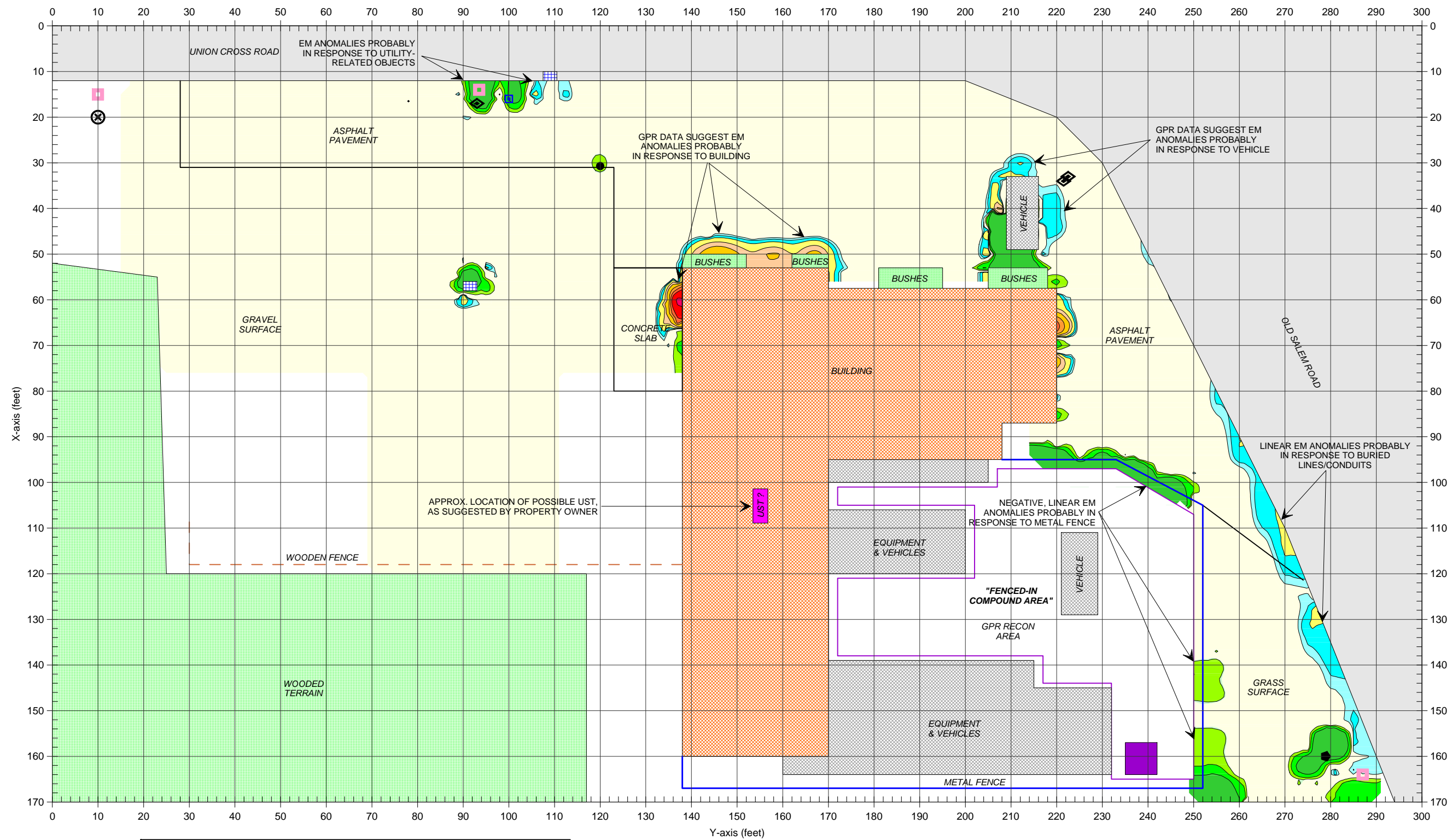
The geophysical investigation suggests that the surveyed portions of Parcel 157 do not contain unknown metallic USTs.

**EM61 METAL DETECTION (BOTTOM COIL RESULTS)**

FIGURE 2

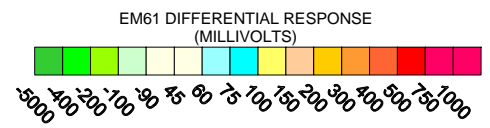
CLIENT	AECOM ENVIRONMENT	DATE	05/21/10	DRAWN	MJD	FIGURE	2010-109
SITE	GARY D. & JUADANE S. SMITH PROPERTY (PARCEL 157)	LAY		CHKD			
CITY	FORSYTH COUNTY	DWG					
STATE	NORTH CAROLINA						
TITLE	GEOPHYSICAL RESULTS						

**PYRAMID**  
ENVIRONMENTAL & ENGINEERING, P.C.



**LEGEND**

SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART	ROAD SIGN
BUILDING	STORM SEWER GRATE
DUMPSTER	STORM SEWER COVER
GUY WIRE	UTILITY POLE
MAILBOX	UTILITY LINE BOX
MISC. EQUIPMENT OR VEHICLE	WATER METER BOX
MONITORING WELL	POSSIBLE UST, AS SUGGESTED OWNER
	AREA SCANNED WITH GPR UNIT



Note: The contour plot shows the differential response between the bottom and top coils of the EM61 instrument in millivolts (mV). The differential response focuses on larger, buried metallic objects such as drums and USTs and ignores smaller miscellaneous, buried, metal debris. The EM61 data were collected on May 11, 2010 using a Geonics EM61 instrument. Ground penetrating radar (GPR) data were acquired on May 19, 2010 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna.

The geophysical investigation suggests that the surveyed portions of Parcel 157 do not contain metallic USTs.

**EM61 METAL DETECTION (DIFFERENTIAL RESULTS)**

FIGURE 3

CLIENT	AECOM ENVIRONMENT	DATE	05/21/10	DRAWN	MJD	FIGURE	2010-109
SITE	GARY D. & JUADANE S. SMITH PROPERTY (PARCEL 157)	LAY		CHKD			
CITY	FORSYTH COUNTY	DWG					
STATE	NORTH CAROLINA						
TITLE	GEOPHYSICAL RESULTS						

**PYRAMID**  
ENVIRONMENTAL & ENGINEERING, P.C.

**ATTACHMENT B**

# TEST BORING REPORT

**PROJECT** GARY SMITH PROPERTY (PARCEL 157)  
**CLIENT** NCDOT (WBS 40278.1.1)  
**PROJECT NUMBER** 60155373 (U-4909)  
**CONTRACTOR** AED  
**EQUIPMENT** GEOPROBE

**BORING NUMBER** GS-1  
**PAGE** 1  
**ELEVATION** \_\_\_\_\_  
**DATE** 5/25/2010  
**DRILLER** KELLY  
**PREPARED BY** BRANSON

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
5.0			0.17		MEDIUM TO GOLD-BROWN SILT/SAND, DRY, NO ODOR.
			0.28		AS ABOVE, DRY, NO ODOR.
			0.50		AS ABOVE, DRY, NO ODOR.
10.0			0.46		AS ABOVE, DRY, NO ODOR.
			0.56		AS ABOVE, WET AT 10 FEET, NO ODOR.
					BORING TERMINATED AT 10 FEET. GROUNDWATER ENCOUNTERED AT 10 FEET.
15.0					
20.0					



# TEST BORING REPORT

**PROJECT** GARY SMITH PROPERTY (PARCEL 157)  
**CLIENT** NCDOT (WBS 40278.1.1)  
**PROJECT NUMBER** 60155373 (U-4909)  
**CONTRACTOR** AED  
**EQUIPMENT** GEOPROBE

**BORING NUMBER** GS-2  
**PAGE** 1  
**ELEVATION** \_\_\_\_\_  
**DATE** 5/25/2010  
**DRILLER** KELLY  
**PREPARED BY** BRANSON

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
5.0			0.54		3" ASPHALT/GRAVEL, POOR RECOVERY THROUGHOUT, MEDIUM BROWN SOFT, SILTY CLAY, DRY, NO ODOR.
10.0			0.74		AS ABOVE, WET AT 10 FEET, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
15.0					BORING TERMINATED AT 10 FEET. GROUNDWATER ENCOUNTERED AT 10 FEET.
20.0					



# TEST BORING REPORT

**PROJECT** GARY SMITH PROPERTY (PARCEL 157)  
**CLIENT** NCDOT (WBS 40278.1.1)  
**PROJECT NUMBER** 60155373 (U-4909)  
**CONTRACTOR** AED  
**EQUIPMENT** GEOPROBE

**BORING NUMBER** GS-3  
**PAGE** 1  
**ELEVATION** \_\_\_\_\_  
**DATE** 5/25/2010  
**DRILLER** KELLY  
**PREPARED BY** BRANSON

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
5.0			0.59		3" ASPHALT/GRAVEL, MOTTLED MEDIUM BROWN, REDDISH BROWN, AND TAN SILT/CLAY, DRY, NO ODOR.  AS ABOVE, DRY, NO ODOR.  AS ABOVE, DRY, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.  AS ABOVE, DRY, NO ODOR.  AS ABOVE TO 9 FEET. BECOMES LIGHT BROWN SILT/SAND, WET AT 10 FEET, NO ODOR.  BORING TERMINATED AT 10 FEET. GROUNDWATER ENCOUNTERED AT 10 FEET.
10.0			0.39		
15.0			0.58		
20.0					





# TEST BORING REPORT

<b>PROJECT</b> <u>GARY SMITH PROPERTY (PARCEL 157)</u> <b>CLIENT</b> <u>NCDOT (WBS 40278.1.1)</u> <b>PROJECT NUMBER</b> <u>60155373 (U-4909)</u> <b>CONTRACTOR</b> <u>AED</u> <b>EQUIPMENT</b> <u>GEOPROBE</u>	<b>BORING NUMBER</b> <u>GS-4</u> <b>PAGE</b> <u>1</u> <b>ELEVATION</b> _____ <b>DATE</b> <u>5/25/2010</u> <b>DRILLER</b> <u>KELLY</u> <b>PREPARED BY</b> <u>BRANSON</u>
--	--

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS	
5.0			0.45		MEDIUM TO REDDISH BROWN SILT/CLAY, DRY, NO ODOR.	
				0.79		AS ABOVE, DRY, NO ODOR.
				0.84		AS ABOVE TO 5 FEET. BECOMES OLIVE BROWN SILT/CLAY, DRY, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
				0.34		AS ABOVE, DRY, NO ODOR.
				0.60		AS ABOVE TO 9 FEET. BECOMES LIGHT BROWN SILT/SAND, WET AT 9 FEET, NO ODOR.
10.0					BORING TERMINATED AT 10 FEET. GROUNDWATER ENCOUNTERED AT 9 FEET.	
15.0						
20.0						



# TEST BORING REPORT

**PROJECT** GARY SMITH PROPERTY (PARCEL 157)  
**CLIENT** NCDOT (WBS 40278.1.1)  
**PROJECT NUMBER** 60155373 (U-4909)  
**CONTRACTOR** AED  
**EQUIPMENT** GEOPROBE

**BORING NUMBER** GS-5  
**PAGE** 1  
**ELEVATION** \_\_\_\_\_  
**DATE** 5/25/2010  
**DRILLER** KELLY  
**PREPARED BY** BRANSON

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
5.0			0.37		MEDIUM TO REDDISH BROWN SILT/CLAY, DRY, NO ODOR.
			0.21		AS ABOVE, DRY, NO ODOR.
			0.46		AS ABOVE, DRY, NO ODOR.
10.0			1.41		AS ABOVE, DRY, NO ODOR.
			4.19		OLIVE BROWN SILT/CLAY, WET AT 9 FEET, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
					BORING TERMINATED AT 10 FEET. GROUNDWATER ENCOUNTERED AT 9 FEET.
15.0					
20.0					



# TEST BORING REPORT

**PROJECT** GARY SMITH PROPERTY (PARCEL 157)  
**CLIENT** NCDOT (WBS 40278.1.1)  
**PROJECT NUMBER** 60155373 (U-4909)  
**CONTRACTOR** AED  
**EQUIPMENT** GEOPROBE

**BORING NUMBER** GS-6  
**PAGE** 1  
**ELEVATION** \_\_\_\_\_  
**DATE** 5/25/2010  
**DRILLER** KELLY  
**PREPARED BY** BRANSON

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
5.0			0.83		MEDIUM TO LIGHT BROWN SILT/CLAY, DRY, NO ODOR.
			1.77		AS ABOVE, DRY, NO ODOR.
			2.72		AS ABOVE, DRY, NO ODOR.
10.0			3.08		OLIVE BROWN SILT/SAND, WET AT 9 FEET, NO ODOR.
			11.95		AS ABOVE, WET AT 9 FEET, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
15.0					
20.0					



**ATTACHMENT C**



PHOTO 1 - BORING IN PROPOSED R/W LOOKING SOUTHEAST



PHOTO 2 - BORING IN PROPOSED R/W LOOKING SOUTH



PHOTO 3 - BORING WITHIN PROPOSED R/W LOOKING EAST



PHOTO 4 - BORING WITHIN PROPOSED R/W LOOKING NORTHEAST



PHOTO 5 - BORING WITHIN PROPOSED R/W LOOKING NORTHEAST

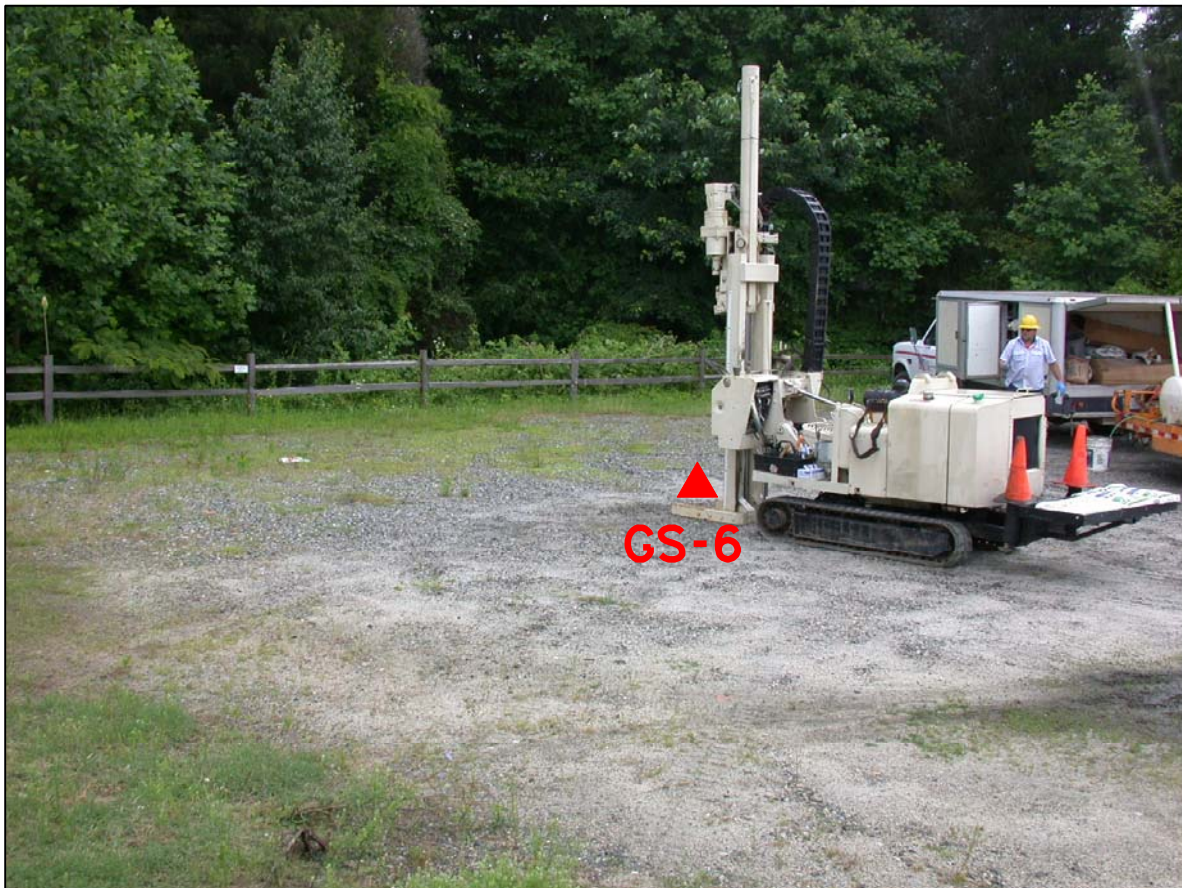


PHOTO 6 - BORING WITHIN PROPOSED R/W LOOKING SOUTHEAST

**ATTACHMENT D**



06/14/2010

AECOM (Earth Tech) NCDOT Proj.  
Mike Branson  
Suite 475, 701 Corporate Center Dr.  
Raleigh, NC 27607

Project: NCDOT - Gary Smith Property  
Project No.: WBS#40278.1.1  
Lab Submittal Date: 05/28/2010  
Prism Work Order: 0050752

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

#### Data Qualifiers Key Reference:

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.

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Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
GS-1	0050752-01	Solid	05/25/10	05/28/10
GS-2	0050752-02	Solid	05/25/10	05/28/10
GS-3	0050752-03	Solid	05/25/10	05/28/10
GS-4	0050752-04	Solid	05/25/10	05/28/10
GS-5	0050752-05	Solid	05/25/10	05/28/10
GS-6	0050752-06	Solid	05/25/10	05/28/10

Samples received in good condition at 5.3 degrees C unless otherwise noted.

AECOM (Earth Tech) NCDOT Proj.  
Attn: Mike Branson  
Suite 475, 701 Corporate Center Dr.  
Raleigh, NC 27607

Project: NCDOT - Gary Smith  
Property  
Project No.: WBS#40278.1.1  
Sample Matrix: Solid

Client Sample ID: GS-1  
Prism Sample ID: 0050752-01  
Prism Work Order: 0050752  
Time Collected: 05/25/10 15:30  
Time Submitted: 05/28/10 08:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Diesel Range Organics by GC/FID</b>									
Diesel Range Organics	BRL	mg/kg dry	11	1.8	1	8015C	6/5/10 0:10	JMV	P0F0102
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			81 %		49-124	
<b>Gasoline Range Organics by GC/FID</b>									
Gasoline Range Organics	BRL	mg/kg dry	7.2	0.93	50	8015C	6/4/10 22:11	HPE	P0F0131
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			79 %		55-129	
<b>General Chemistry Parameters</b>									
% Solids	64.5	% by Weight	0.100	0.100	1	*SM2540 G	6/1/10 12:30	JAB	P0F0033

AECOM (Earth Tech) NCDOT Proj.  
Attn: Mike Branson  
Suite 475, 701 Corporate Center Dr.  
Raleigh, NC 27607

Project: NCDOT - Gary Smith  
Property  
Project No.: WBS#40278.1.1  
Sample Matrix: Solid

Client Sample ID: GS-2  
Prism Sample ID: 0050752-02  
Prism Work Order: 0050752  
Time Collected: 05/25/10 15:45  
Time Submitted: 05/28/10 08:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Diesel Range Organics by GC/FID</b>									
Diesel Range Organics	10	mg/kg dry	10	1.7	1	8015C	6/5/10 0:45	JMV	P0F0102
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			81 %		49-124	
<b>Gasoline Range Organics by GC/FID</b>									
Gasoline Range Organics	BRL	mg/kg dry	7.0	0.90	50	8015C	6/4/10 22:43	HPE	P0F0131
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			92 %		55-129	
<b>General Chemistry Parameters</b>									
% Solids	67.4	% by Weight	0.100	0.100	1	*SM2540 G	6/1/10 12:30	JAB	P0F0033

AECOM (Earth Tech) NCDOT Proj.  
Attn: Mike Branson  
Suite 475, 701 Corporate Center Dr.  
Raleigh, NC 27607

Project: NCDOT - Gary Smith  
Property  
Project No.: WBS#40278.1.1  
Sample Matrix: Solid

Client Sample ID: GS-3  
Prism Sample ID: 0050752-03  
Prism Work Order: 0050752  
Time Collected: 05/25/10 16:00  
Time Submitted: 05/28/10 08:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	9.1	1.5	1	8015C	6/5/10 1:21	JMV	P0F0102
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			87 %		49-124	

### Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.8	0.62	50	8015C	6/4/10 23:14	HPE	P0F0131
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			118 %		55-129	

### General Chemistry Parameters

% Solids	76.7	% by Weight	0.100	0.100	1	*SM2540 G	6/1/10 12:30	JAB	P0F0033
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AECOM (Earth Tech) NCDOT Proj.  
 Attn: Mike Branson  
 Suite 475, 701 Corporate Center Dr.  
 Raleigh, NC 27607

Project: NCDOT - Gary Smith  
 Property  
 Project No.: WBS#40278.1.1  
 Sample Matrix: Solid

Client Sample ID: GS-4  
 Prism Sample ID: 0050752-04  
 Prism Work Order: 0050752  
 Time Collected: 05/25/10 16:10  
 Time Submitted: 05/28/10 08:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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**Diesel Range Organics by GC/FID**

Diesel Range Organics	BRL	mg/kg dry	9.4	1.5	1	8015C	6/5/10 2:32	JMV	P0F0102
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			68 %		49-124	

**Gasoline Range Organics by GC/FID**

Gasoline Range Organics	BRL	mg/kg dry	5.1	0.67	50	8015C	6/4/10 23:46	HPE	P0F0131
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			118 %		55-129	

**General Chemistry Parameters**

% Solids	74.3	% by Weight	0.100	0.100	1	*SM2540 G	6/1/10 12:30	JAB	P0F0033
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AECOM (Earth Tech) NCDOT Proj.  
Attn: Mike Branson  
Suite 475, 701 Corporate Center Dr.  
Raleigh, NC 27607

Project: NCDOT - Gary Smith  
Property  
Project No.: WBS#40278.1.1  
Sample Matrix: Solid

Client Sample ID: GS-5  
Prism Sample ID: 0050752-05  
Prism Work Order: 0050752  
Time Collected: 05/25/10 16:20  
Time Submitted: 05/28/10 08:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	8.2	1.3	1	8015C	6/5/10 3:08	JMV	P0F0102
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			68 %		49-124	

### Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	3.9	0.51	50	8015C	6/5/10 0:18	HPE	P0F0131
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			97 %		55-129	

### General Chemistry Parameters

% Solids	85.1	% by Weight	0.100	0.100	1	*SM2540 G	6/1/10 12:30	JAB	P0F0033
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AECOM (Earth Tech) NCDOT Proj.  
Attn: Mike Branson  
Suite 475, 701 Corporate Center Dr.  
Raleigh, NC 27607

Project: NCDOT - Gary Smith  
Property  
Project No.: WBS#40278.1.1  
Sample Matrix: Solid

Client Sample ID: GS-6  
Prism Sample ID: 0050752-06  
Prism Work Order: 0050752  
Time Collected: 05/25/10 16:30  
Time Submitted: 05/28/10 08:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
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### Diesel Range Organics by GC/FID

Diesel Range Organics	BRL	mg/kg dry	8.2	1.3	1	8015C	6/5/10 3:43	JMV	P0F0102
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			81 %		49-124	

### Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.2	0.54	50	8015C	6/5/10 0:49	HPE	P0F0131
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			99 %		55-129	

### General Chemistry Parameters

% Solids	85.3	% by Weight	0.100	0.100	1	*SM2540 G	6/1/10 12:30	JAB	P0F0033
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AECOM (Earth Tech) NCDOT Proj.  
 Attn: Mike Branson  
 Suite 475, 701 Corporate Center Dr.  
 Raleigh, NC 27607

Project: NCDOT - Gary Smith Property

Project No: WBS#40278.1.1

Prism Work Order: 0050752

Time Submitted: 5/28/10 8:15:00AM

**Gasoline Range Organics by GC/FID - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch P0F0131 - 5035</b>										
<b>Blank (P0F0131-BLK1)</b>										
Prepared & Analyzed: 06/04/10										
Gasoline Range Organics	BRL	5.0	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	4.85		mg/kg wet	5.00		97	55-129			
<b>LCS (P0F0131-BS1)</b>										
Prepared & Analyzed: 06/04/10										
Gasoline Range Organics	48.6	5.0	mg/kg wet	50.0		97	67-116			
Surrogate: a,a,a-Trifluorotoluene	5.30		mg/kg wet	5.00		106	55-129			
<b>LCS Dup (P0F0131-BSD1)</b>										
Prepared & Analyzed: 06/04/10										
Gasoline Range Organics	50.5	5.0	mg/kg wet	50.0		101	67-116	4	200	
Surrogate: a,a,a-Trifluorotoluene	5.45		mg/kg wet	5.00		109	55-129			

AECOM (Earth Tech) NCDOT Proj.  
Attn: Mike Branson  
Suite 475, 701 Corporate Center Dr.  
Raleigh, NC 27607

Project: NCDOT - Gary Smith Property  
Project No: WBS#40278.1.1

Prism Work Order: 0050752  
Time Submitted: 5/28/10 8:15:00AM

**Diesel Range Organics by GC/FID - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch P0F0102 - 3545A</b>										
<b>Blank (P0F0102-BLK1)</b>										
					Prepared: 06/03/10 Analyzed: 06/04/10					
Diesel Range Organics	BRL	7.0	mg/kg wet							
Surrogate: <i>o</i> -Terphenyl	1.25		mg/kg wet	1.60		78	49-124			
<b>LCS (P0F0102-BS1)</b>										
					Prepared: 06/03/10 Analyzed: 06/04/10					
Diesel Range Organics	60.1	7.0	mg/kg wet	79.9		75	55-109			
Surrogate: <i>o</i> -Terphenyl	1.66		mg/kg wet	1.60		104	49-124			
<b>LCS Dup (P0F0102-BSD1)</b>										
					Prepared: 06/03/10 Analyzed: 06/04/10					
Diesel Range Organics	72.4	7.0	mg/kg wet	80.0		91	55-109	19	200	
Surrogate: <i>o</i> -Terphenyl	1.98		mg/kg wet	1.60		124	49-124			

AECOM (Earth Tech) NCDOT Proj.  
Attn: Mike Branson  
Suite 475, 701 Corporate Center Dr.  
Raleigh, NC 27607

Project: NCDOT - Gary Smith Property  
Project No: WBS#40278.1.1

Prism Work Order: 0050752  
Time Submitted: 5/28/10 8:15:00AM

**General Chemistry Parameters - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch P0F0033 - NO PREP**

**Duplicate (P0F0033-DUP5)**                      **Source: 0050752-06**                      Prepared & Analyzed: 06/01/10

% Solids	85.3	0.100	% by Weight		85.3			0	20	
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**Sample Extraction Data**

**Prep Method: 3545A**

Lab Number	Batch	Initial	Final	Date
0050752-01	P0F0102	25.02 g	1 mL	06/03/10
0050752-02	P0F0102	25.04 g	1 mL	06/03/10
0050752-03	P0F0102	25.02 g	1 mL	06/03/10
0050752-04	P0F0102	25.06 g	1 mL	06/03/10
0050752-05	P0F0102	25.18 g	1 mL	06/03/10
0050752-06	P0F0102	25.02 g	1 mL	06/03/10

**Prep Method: 5035**

Lab Number	Batch	Initial	Final	Date
0050752-01	P0F0131	5.42 g	5 mL	06/04/10
0050752-02	P0F0131	5.33 g	5 mL	06/04/10
0050752-03	P0F0131	6.85 g	5 mL	06/04/10
0050752-04	P0F0131	6.54 g	5 mL	06/04/10
0050752-05	P0F0131	7.47 g	5 mL	06/04/10
0050752-06	P0F0131	7.01 g	5 mL	06/04/10

**NO PREP**

Lab Number	Batch	Initial	Final	Date
0050752-01	P0F0033	30 g	30 mL	06/01/10
0050752-02	P0F0033	30 g	30 mL	06/01/10
0050752-03	P0F0033	30 g	30 mL	06/01/10
0050752-04	P0F0033	30 g	30 mL	06/01/10
0050752-05	P0F0033	30 g	30 mL	06/01/10
0050752-06	P0F0033	30 g	30 mL	06/01/10

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Full-Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543  
 Phone: 704/529-6364 • Fax: 704/525-0409

Client Company Name: AELCOM  
 Report To/Contact Name: Mike Branston  
 Reporting Address: 701 Corporate Center Dr  
54 W 475 Raleigh NC 27606  
 Phone: 919 859 6232 Fax (603) 919 859 6232  
 Email (No) Email Address Mike.Branston@AELCOM.com  
 EDD Type: PDF  Excel  Other   
 Site Location Name: GARY Smith Property  
 Site Location Physical Address: Keeneland Ave

# CHAIN OF CUSTODY RECORD

PAGE OF QUOTE # TO ENSURE PROPER BILLING: NC DOT - Smith  
 Project Name: NC DOT - Smith UST Project: RES (No)  
 Short Hold Analysis: (Yes)  (No)   
 \*Please ATTACH any project specific reporting (QC LEVEL I III IV) provisions and/or QC Requirements  
 Invoice To: NC DOT  
 Address:

Purchase Order No./Billing Reference: URS # 40278.1.1  
 Requested Due Date  1 Day  2 Days  3 Days  4 Days  5 Days  
 "Working Days"  6-9 Days  Standard 10 days  Rush Work Must Be  
 Samples received after 15:00 will be processed next business day.  
 Turnaround time is based on business days, excluding weekends and holidays.  
 (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES  
 RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVATIVES	ANALYSES REQUESTED	REMARKS	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE				
G5-1	5/25/10	1530	Soil C	CG	4	4/VOA	M.O.H		402, 202	01
G5-2	5/25/10	1545	Soil C	CG	4	4/VOA	M.O.H			02
G5-3	5/25/10	1600	Soil C	CG	4	4/VOA	M.O.H			03
G5-4	5/25/10	1610	Soil C	CG	4	4/VOA	M.O.H			04
G5-5	5/25/10	1620	Soil C	CG	4	4/VOA	M.O.H			05
G5-6	5/25/10	1630	Soil C	CG	4	4/VOA	M.O.H			06

Sample Iced Upon Collection: YES  NO

Water Chlorinated: YES  NO

Certification: NELAC  USACE  FL  NC

SC  OTHER  N/A

LAB USE ONLY  
 Samples INTACT upon arrival?  YES  NO  N/A  
 Received ON WET ICE? Temp 5/3  
 PROPER PRESERVATIVES indicated?  
 Received WITHIN HOLDING TIMES?  
 CUSTODY SEALS INTACT?  
 VOLATILES rec'd W/OUT HEADSPACE?  
 PROPER CONTAINERS used?

Sampled By (Print Name) M Branston Affiliation AELCOM

Received By (Signature) [Signature]  
 Received By (Signature) [Signature]  
 Received For (Signature) [Signature]

Additional Comments: INVOICE NOT UPON BLANKET PO

PRISM USE ONLY  
 Site Arrival Time  
 Site Departure Time  
 Field Tech Fee  
 Mileage

NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.  
 Fed Ex  UPS  Hand-delivered  Prism Field Service  Other  
 NPDES:  NC  SC  NC  SC  NC  SC  NC  SC  
 DRINKING WATER:  NC  SC  NC  SC  
 SOLID WASTE:  NC  SC  NC  SC  
 RCRA:  NC  SC  NC  SC  
 CERCLA:  NC  SC  NC  SC  
 LANDFILL:  NC  SC  NC  SC  
 OTHER:  NC  SC  NC  SC  
 \*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)