



**NC Department of Transportation
Preliminary Site Assessment
State Project: R-3405
WBS Element: 35579.1.1**

**Helen G. Brown Property
Parcel #128
February 24, 2011**

**AMEC Earth and Environmental, Inc. of North Carolina
AMEC Project: 562113405**

A handwritten signature in black ink, appearing to read "Troy L. Holzschuh".

Troy L. Holzschuh
Engineering Technician

A handwritten signature in blue ink, appearing to read "Helen P. Corley".

Helen P. Corley, L.G.
Senior Project Manager



TABLE OF CONTENTS

1.0 INTRODUCTION.....	1
1.1 Site Location and Vicinity.....	1
1.2 Site Description and History	1
2.0 GEOLOGY.....	2
2.1 Regional Geology.....	2
2.2 Site Geology	2
3.0 FIELD ACTIVITIES.....	2
3.1 Preliminary Activities.....	2
3.2 Site Reconnaissance	3
3.3 Geophysical Survey.....	3
3.4 Well Survey.....	4
3.5 Soil Sampling.....	4
4.0 SOIL SAMPLING RESULTS.....	5
5.0 CONCLUSIONS.....	6
6.0 RECOMMENDATIONS.....	6

TABLES

Table 1	Soil Sampling Analytical Results, DRO-GRO
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FIGURES

Figure 1	Vicinity Map
Figure 2	Site Map with Sample Locations
Figure 3	Site Map with Analytical Data
Figure 4	Site Map with Estimated Area of Contamination

APPENDICES

Appendix A	Photo Log
Appendix B	Boring Logs
Appendix C	Geophysical Report
Appendix D	Laboratory Analytical Data

1.0 INTRODUCTION

In accordance with the North Carolina Department of Transportation (NCDOT) Request for Proposal, dated November 19, 2010, AMEC Earth and Environmental, Inc. of North Carolina (AMEC) has performed a Preliminary Site Assessment (PSA) for the Helen G. Brown Property (the Site) to be effected by a road improvement project along NC 18, Sparta Rd. The Site which is located at 1967 Sparta Rd currently operates as a hair salon, Nicole's Salon. The property is located on the northwestern corner of Sparta and Brown Berry Roads in North Wilkesboro of Wilkes County, North Carolina. The investigation was conducted in accordance with AMEC's Technical and Cost proposal dated December 3, 2010.

NCDOT contracted AMEC to perform a PSA on the Helen G. Brown Property because historically the site operated as a gas station. The PSA was performed to determine if soils have been impacted by petroleum compounds as a result of past and present uses of the property within the proposed design project area. This entire parcel will be taken and thus affected by construction activities associated with road widening and new drainage features along Sparta Rd.

The following report summarizes the site history, geophysical survey, location and capacities of any USTs, and describes our field investigation with results of chemical analyses. The report includes the evaluation of the analytical data with regards to the presence or absence of soil contamination within the NCDOT design area of parcel #128 and estimates the extent of soil contamination.

1.1 Site Location and Vicinity

The Helen G. Brown Property parcel is located on the northwestern corner of the intersection of Sparta and Brown Berry Roads in North Wilkesboro, Wilkes County, North Carolina, as shown in Figure 1. The properties to the north, south, east and west are residential with single family homes.

1.2 Site Description and History

The Site is currently operating as a hair salon, however historically operated as a gas station. There is one multi-tenant building on the parcel. Nicole's Hair Salon is located in the southern three quarters of the building. The northern quarter of the building is an office

for a Baptist Church. The proposed DOT project will take the entire parcel. Three USTs were observed at this facility. One UST had a visible fuel port while the other two were not identified until the geophysical survey. Appendix A includes a photo log for Parcel #1.

AMEC studied the NCDENR UST Registered Tanks Database as well as the NCDENR Incident Management Database and there are no listed Facility IDs or Groundwater incidents associated with this parcel.

2.0 GEOLOGY

2.1 Regional Geology

The Helen G. Brown Property is located within the Alligator Back Formation of the Ocoee Supergroup located in the Blue Ridge Physiographic Province of western North Carolina. The Alligator Back Formation comprises metamorphic sedimentary rocks that are 750 million years in age. The rocks include mica schist and phyllite that are interlayered with minor biotite. The Alligator Back rocks were named for the large sections of gneiss that descend from the peak of Bluff Mountain that resemble an alligator.

2.2 Site Geology

Site geology was observed through the sampling of ten shallow direct push probe soil borings (SB) onsite. Borings ranged in total depth from 10 to 15 feet below ground surface (bgs). Native soils generally consisted of orange, well sorted and clayey silt. Boring logs are presented in Appendix B.

Damp soil conditions were typically first encountered at a depth of 0.5 feet (ft) 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. On January 17, 2011 a private utility locating company, Priority Underground Locating of Huntersville, North Carolina cleared the proposed drilling locations that were marked in the field by AMEC personnel. North Carolina-1-Call was contacted on January 19 to report the proposed drilling activities and subsequently notify all affected utilities for the parcel. Carolina Soil Investigations, LLC (CSI Drilling) of Olin, North Carolina was retained by AMEC to perform the direct push drilling and sampling. AMEC coordinated with Schnabel Engineering South (Schnabel) who performed two geophysical surveys (electromagnetic and ground penetrating radar) onsite during December. The geophysical results were reviewed and discussed at the completion of each survey. Prism Laboratories, Inc. was contacted for acquisition of sample bottles. Soil boring locations were focused just beyond the existing ROW. Boring locations were strategically placed as close to or around the probable USTs and along the front of the parcel to maximize the likelihood of intercepting any potential soil contamination.

3.2 Site Reconnaissance

AMEC personnel completed site reconnaissance on November 22, 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 January 17, 2011.

3.3 Geophysical Survey

Schnabel performed the geophysical surveys from December 9 to 22, 2010 for the Sparta Rd corridor. 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 design area. The three USTs are denoted in Figure 2 and their capacities and depths buried are tabulated on the next page. The complete geophysical survey report can be found in Appendix C.

Probable UST-1	1,000 gal.	3-4 ft bgs
Probable UST-2	1,500 gal.	3-4 ft bgs
Probable UST-3	270 gal.	1.5-2.5 ft bgs

3.4 Well Survey

No well survey was performed as part of this PSA and no monitoring wells were observed on the parcel.

3.5 Soil Sampling

Soil boring occurred on January 25, 2011 at Parcel #128. Ten direct push soil borings were conducted within the NCDOT design project on Parcel #128, which includes the southern and western sides of the 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 three USTs and the southern and western edges of the site, which parallel the roads. The first boring, P128-SB-1, was placed at the western side of probable UST-3. Probable UST-3 is not located within the proposed ROW however since parcel 128 is a total take AMEC personnel decided to target that UST. Soil Boring P128-SB-2 was placed at the southern side of probable UST-3. Due to a water line running east and west parallel to Brown Berry Rd. and the required 32 inch clearance of utilities AMEC personnel placed soil boring P128-SB-2 eight feet south of probable UST-3 but couldn't access the area directly east of UST-3. P128-SB-3 targeted probable UST-2 and was placed on its south side. P128-SB-3 exhibited elevated photo ionized detector (PID) readings at the 13-15 foot interval so AMEC personnel chose to place boring P128-SB-4 just south and east of P128-SB-3 to define the area of contamination. Its placement was also chosen to target an area with proposed drainage structures. Soil boring P128-SB-5 targeted the eastern side of probable UST-1 and probable UST-2. This soil boring also showed elevated PID readings through most of the soil column with a maximum at the 13-15 ft interval. Soil borings P128-SB-6 through P128-SB-8 were chosen to define the area of contamination. Sparta Rd. limited the ability to define the area of contamination further to the east. Borings P128-SB-9 and P128-SB-10 were placed along the eastern edge and toward the northern boundary of the parcel to complete coverage along the proposed ROW.

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 January 25, 2011. 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.

A minimum of one soil sample was collected from each of the ten completed soil borings from Parcel #128. Typically, if impacted soil was identified, then additional soil samples were obtained and consequently second samples were collected in four borings with elevated PID readings. Soil borings P128-SB-2 and P128-SB-7 through -SB-10 exhibited low to zero PID values consequently additional soil samples were not warranted. Results from the DRO analyses reported detections in six of the ten borings, with a maximum concentration of 7,600 mg/kg near probable UST-3 from the 5 to 7 ft bgs depth in boring P128-SB1. Six other DRO results exceeded the NC Action Level of 10 mg/kg. Results from GRO analyses reported fewer detections than for DRO. The maximum GRO values were reported in the deeper samples (13-15 ft) from three borings near probable USTs-1 and -2 where GRO values ranged from 1,600 to 3,800 mg/kg. In the area of probable UST-3 one elevated GRO value of 170 mg/kg was measured in P128-SB1 from 5 to 7 ft bgs. The remaining soil boring sample results for GRO were all below reporting limits. Figure 3 shows the Site Map with Analytical Data.

Based on the field investigation and laboratory data indicated contamination, AMEC drew two separate estimated areas of contamination as shown on Figure 4. The southwestern contamination near probable UST-3 has an approximate area of 119 square feet and has a thickness from below 5 ft bgs to at least 15 ft bgs. Using a thickness of 10 ft, the resultant volume of estimated contamination would be 1,190 cubic feet, which is roughly 44 cubic yards.

The second area of contamination is near probable USTs -1 and -2 in the southeastern portion of the parcel and it covers 547 square feet roughly with a thickness from 4 ft to at least 15 ft bgs. Using a thickness of 11 ft, the resultant volume of contamination would be 6,017 cubic feet, which is roughly 223 cubic yards.

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 January 25, 2011.

- The property presently operates as a hair salon and church office but historically the property operated as a gas station.
- The NCDENR's UST Registered Tanks Database and NCDENR's Incident Management Database does not have any information associated with this parcel.
- The geophysical data indicate the presence of three probable USTs. Since this site is a total take the three USTs will be affected by construction activities.
- Fourteen soil samples were collected from ten borings and analyzed for TPH GRO and DRO.
- Laboratory analyses did indicate DRO and/or GRO detections above the analytical method reporting level in seven soil samples from six locations.
- GRO was most concentrated in soil near probable UST-3, while DRO values were the highest in the vicinity of USTs -1 and -2.

- Two separate areas of contamination have been identified and the collective estimation of contaminated soil is at least 267 cubic yards.

6.0 RECOMMENDATIONS

Two of the UST's are within the proposed ROW, however since the entire site will be taken it is recommended that all three USTs, associated piping and impacted soil be removed by the UST owner. 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 and following such a situation NCDOT should remain cautious of intercepting contaminated soil during road construction activities. If potentially impacted soils are intercepted, AMEC recommends the following action:

- Segregation, followed by proper assessment and handling, of potentially petroleum-impacted soil during roadway improvement construction operations.

TABLES

Table 1
Soil Sampling Analytical Results, DRO-GRO
Parcel 128, Helen G Brown Property
NC DOT
North Wilkesboro, Wilkes County, North Carolina

SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH (ft bgs)	PID READINGS (ppm)	EPA Method 8015B	
				DRO (mg/kg)	GRO (mg/kg)
NC Action Levels				10	10
P128-SB-1	1/25/2011	5 - 7	60	7600	170
P128-SB-1	1/25/2011	13 - 15	2	15	<4.9
P128-SB-2	1/25/2011	10 - 12	0	43	<4.9
P128-SB-3	1/25/2011	3 - 5	0	<8.9	<4.4
P128-SB-3	1/25/2011	13 - 15	1263	450	2400
P128-SB-4	1/25/2011	4 - 6	1	<8.5	<4.9
P128-SB-5	1/25/2011	2 - 4	82	<8.9	<5.0
P128-SB-5	1/25/2011	13 - 15	1483	640	3800
P128-SB-6	1/25/2011	2 - 4	20	<9.3	9.1
P128-SB-6	1/25/2011	13 - 15	1134	470	1600
P128-SB-7	1/25/2011	4 - 6	11	16	9.2
P128-SB-8	1/25/2011	8 - 10	6	<8.8	<4.7
P128-SB-9	1/25/2011	6 - 8	2	<8.5	<4.9
P128-SB-10	1/25/2011	4 - 6	0	<8.9	<5.4

NOTES:

ft bgs = feet below ground surface; ppm = parts per million

mg/kg = milligrams per kilogram

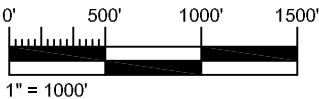
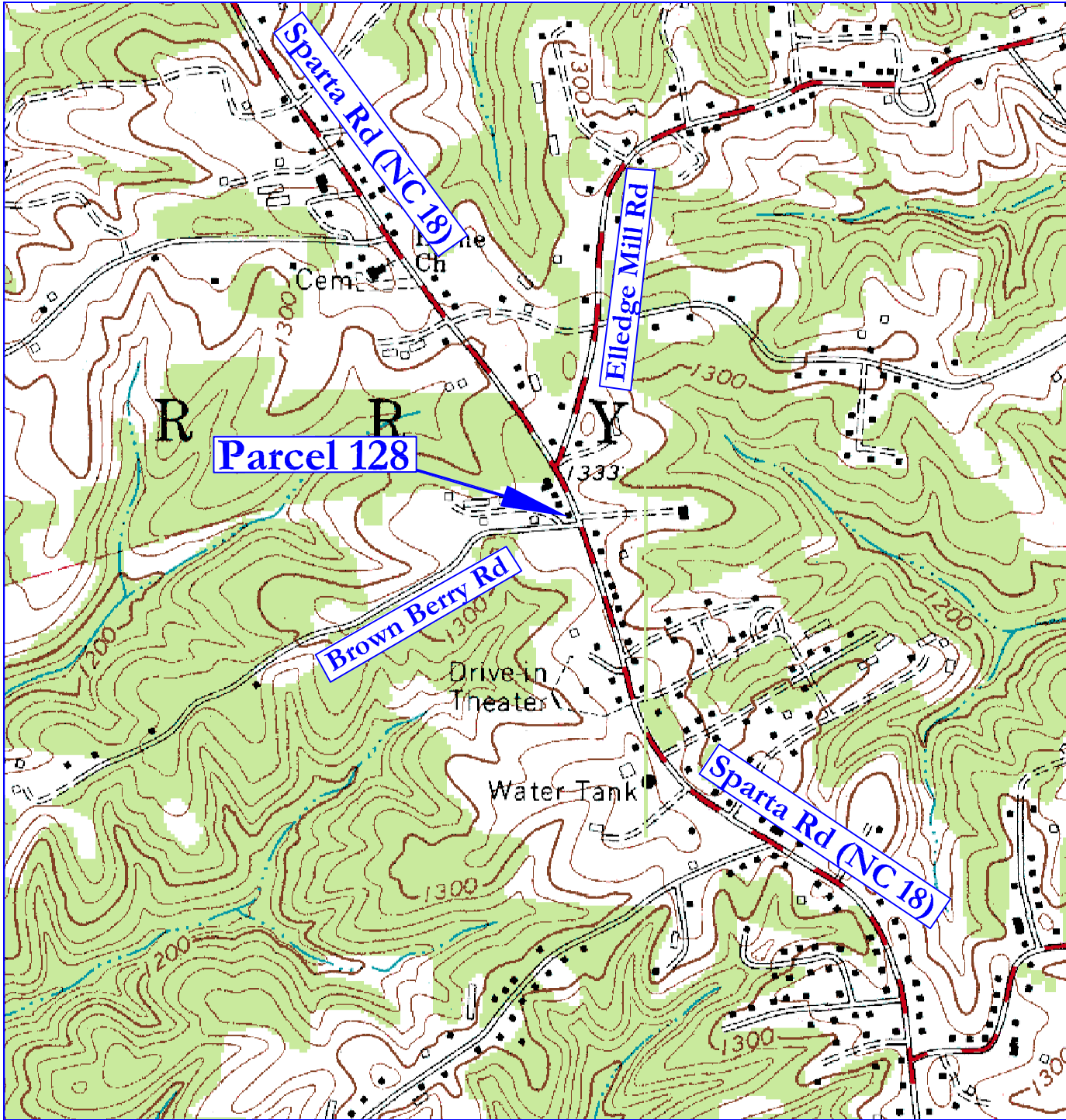
Bold Concentrations Exceed Action Levels

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

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

FIGURES



7.5 Minute Quadrangle
 North Carolina, 1983
 Photorevised 1993

VICINITY MAP

Parcel #128, Helen G. Brown Property
 (Nicole's Salon)
 North Wilkesboro, Wilkes County, NC

DRAWING NAME: J:\NCDOT\Wilkes\FIC1	DATE: 2-24-11
SCALE: 1 INCH = 1,000 FEET	DR TLH CHK HPC REV

PREPARED FOR:
 NC Department Of Transportation
 Geotechnical Unit
 WBS Element: 35579.1.1
 TIP# R-3405


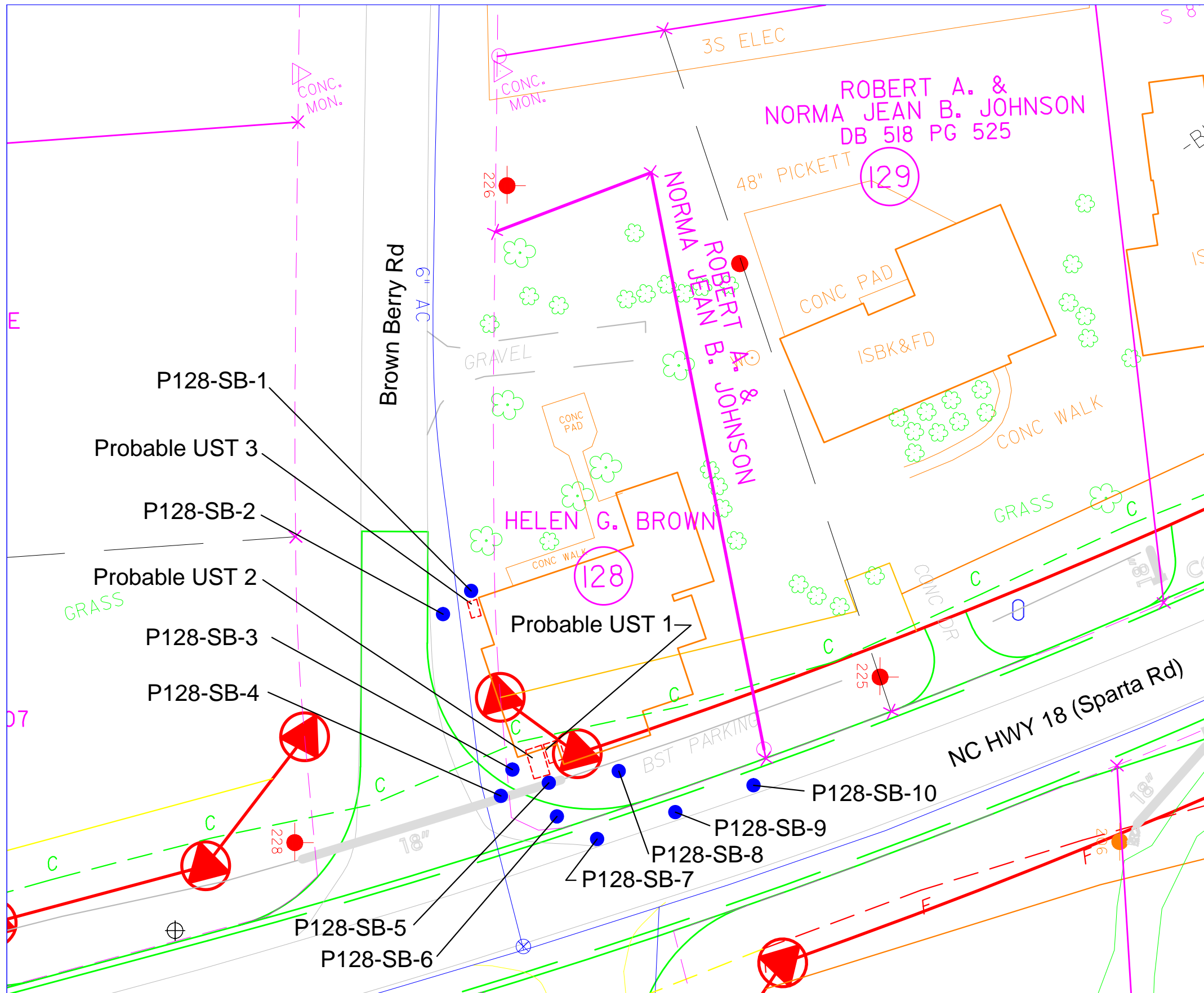
Prepared By:
 338 N Elm Ave
 Suite 112
 Greensboro, NC 27401
 (336) 691-5398

Figure:
 Figure 1



LEGEND

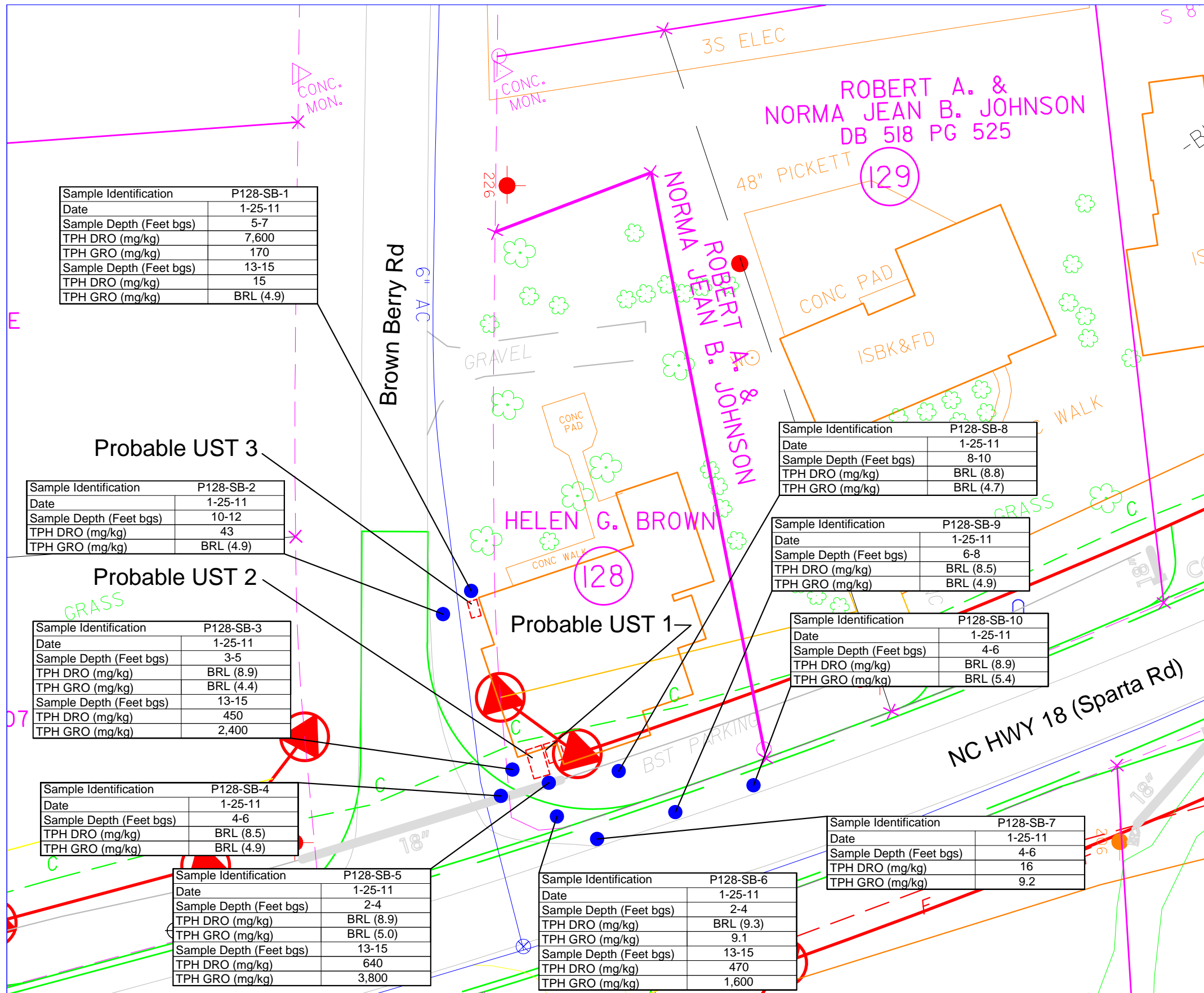
- Proposed Right of Way
- Existing Property Line
- Existing Right of Way
- Cut Line
- Fill Line
- Soil Boring Location January 2011
- Probable UST
- Utility Easement
- Utility Pole

1" = 30'

Figure 2
Parcel #128 Helen G Brown Property
Site Map

NC Department of Transportation
Geotechnical Unit
WBS Element: 35579.1.1
TIP# R-3405





LEGEND

- Proposed Right of Way
- Existing Property Line
- Existing Right of Way
- Cut Line
- Fill Line
- Soil Boring Location January 2011
- Probable UST
- Utility Easement

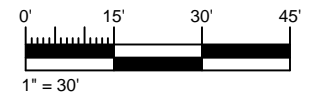


Figure 3
Parcel #128 Helen G Brown Property
Site Map With Analytical Data

NC Department of Transportation
Geotechnical Unit
WBS Element: 35579.1.1
TIP# R-3405



Sample Identification	P128-SB-1
Date	1-25-11
Sample Depth (Feet bgs)	5-7
TPH DRO (mg/kg)	7,600
TPH GRO (mg/kg)	170
Sample Depth (Feet bgs)	13-15
TPH DRO (mg/kg)	15
TPH GRO (mg/kg)	BRL (4.9)

Sample Identification	P128-SB-2
Date	1-25-11
Sample Depth (Feet bgs)	10-12
TPH DRO (mg/kg)	43
TPH GRO (mg/kg)	BRL (4.9)

Sample Identification	P128-SB-3
Date	1-25-11
Sample Depth (Feet bgs)	3-5
TPH DRO (mg/kg)	BRL (8.9)
TPH GRO (mg/kg)	BRL (4.4)
Sample Depth (Feet bgs)	13-15
TPH DRO (mg/kg)	450
TPH GRO (mg/kg)	2,400

Sample Identification	P128-SB-4
Date	1-25-11
Sample Depth (Feet bgs)	4-6
TPH DRO (mg/kg)	BRL (8.5)
TPH GRO (mg/kg)	BRL (4.9)

Sample Identification	P128-SB-5
Date	1-25-11
Sample Depth (Feet bgs)	2-4
TPH DRO (mg/kg)	BRL (8.9)
TPH GRO (mg/kg)	BRL (5.0)
Sample Depth (Feet bgs)	13-15
TPH DRO (mg/kg)	640
TPH GRO (mg/kg)	3,800

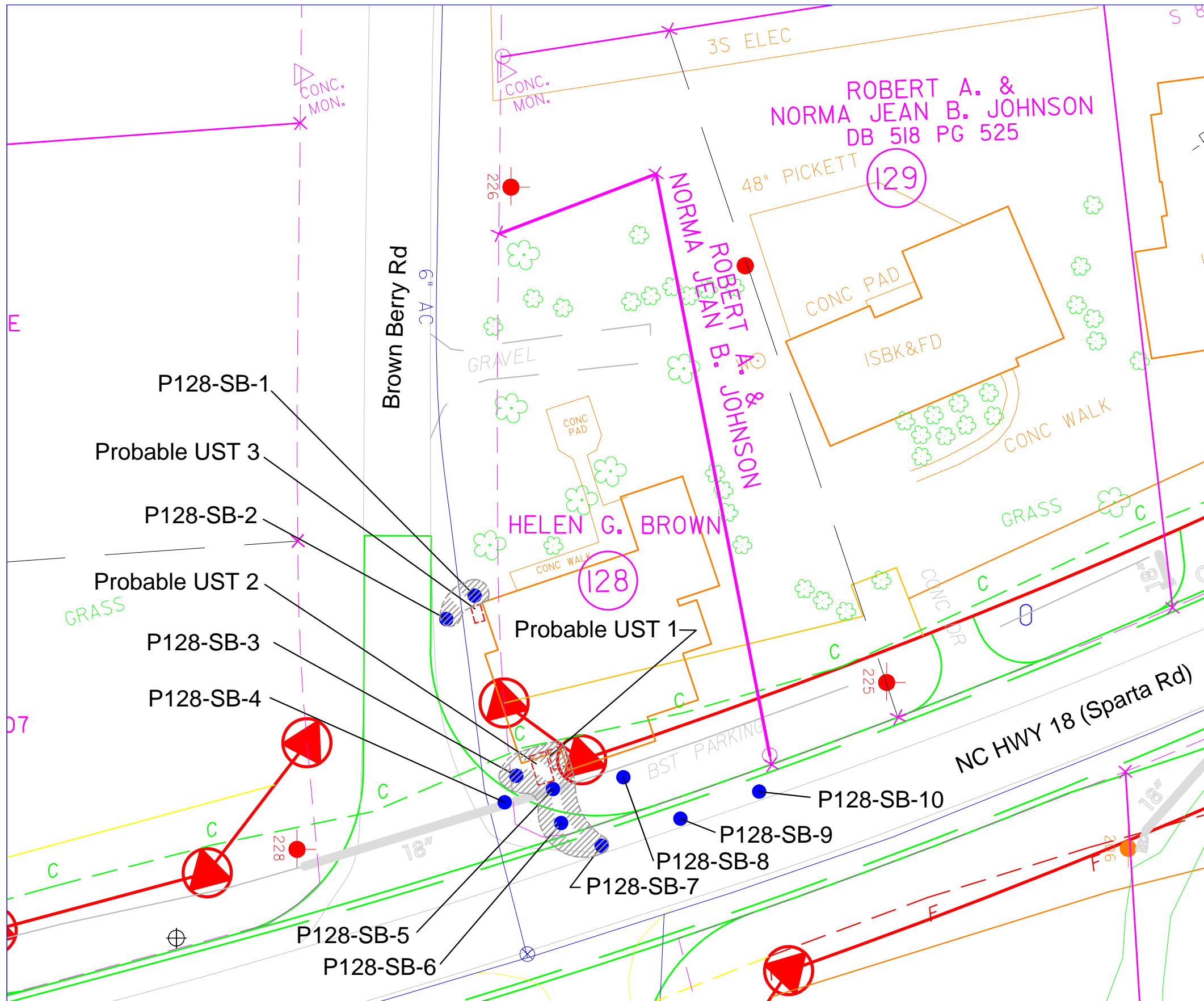
Sample Identification	P128-SB-6
Date	1-25-11
Sample Depth (Feet bgs)	2-4
TPH DRO (mg/kg)	BRL (9.3)
TPH GRO (mg/kg)	9.1
Sample Depth (Feet bgs)	13-15
TPH DRO (mg/kg)	470
TPH GRO (mg/kg)	1,600

Sample Identification	P128-SB-8
Date	1-25-11
Sample Depth (Feet bgs)	8-10
TPH DRO (mg/kg)	BRL (8.8)
TPH GRO (mg/kg)	BRL (4.7)

Sample Identification	P128-SB-9
Date	1-25-11
Sample Depth (Feet bgs)	6-8
TPH DRO (mg/kg)	BRL (8.5)
TPH GRO (mg/kg)	BRL (4.9)

Sample Identification	P128-SB-10
Date	1-25-11
Sample Depth (Feet bgs)	4-6
TPH DRO (mg/kg)	BRL (8.9)
TPH GRO (mg/kg)	BRL (5.4)

Sample Identification	P128-SB-7
Date	1-25-11
Sample Depth (Feet bgs)	4-6
TPH DRO (mg/kg)	16
TPH GRO (mg/kg)	9.2



LEGEND

- Proposed Right of Way
- Existing Property Line
- Existing Right of Way
- Cut Line
- Fill Line
- Transition Line
- Soil Boring Location January 2011
- Probable UST
- Utility Easement
- Utility Pole
- Estimated Area of Contamination = 119 ft² and 547 ft²

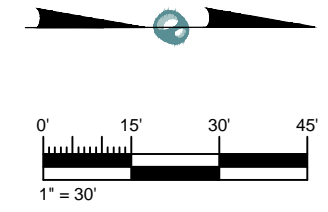


Figure 4
Parcel #128 Helen G Brown Property
Site Map With Estimated Area of Contamination

NC Department of Transportation
Geotechnical Unit
WBS Element: 35579.1.1
TIP# R-3405



APPENDIX A

PHOTO LOG



Photo 1

Viewing west from directly across Sparta Road. The photo is of the site prior to drilling.



Photo 2

Viewing north from the southern side of the site. The photo shows UST-3.



338 North Elm Street, Suite 112
Greensboro, NC 27401

W.O. 562113405
PROCESSED TLH
DATE January 2011
PAGE 1

PHOTOGRAPHIC LOG

Preliminary Site Assessment
Parcel 128, Gary B. Miller Property
North Wilkesboro, NC



Photo 3

Viewing west from southern side of the site. Photo is of CSI preparing to drill by UST-3



Photo 4

Viewing southeast from east central portion of the site. Photo is of CSI drilling east of UST-1 and UST-2



338 North Elm Street, Suite 112
Greensboro, NC 27401

W.O. 562113405
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DATE January 2011
PAGE 2

PHOTOGRAPHIC LOG

Preliminary Site Assessment
Parcel 128, Gary B. Miller Property
North Wilkesboro, NC

APPENDIX B
BORING LOGS



AMEC Earth & Environmental, Inc.
BORING LOG

Boring/Well No.: P128-SB1	Site Name: Parcel 128
Date: 1-25-11	Location: North Wilkesboro, Wilkes Co., NC
Job No.: 562113405	Sample Method: Direct Push
AMEC Rep: Troy Holzschuh	Drilling Method: Direct Push
Drilling Company: CSI	Driller Name/Cert #: Keith Speece - 2856-A

Remarks:

Depth (ft BLS)	PID/OVA Reading (ppm)	Blow Counts	Soil/Lithologic Description
0-0.5			Grass/Organic Soil
0.5-2	0		Orange, Well Sorted, Clayey Silt, Damp
2-5	0		Orange/Yellow, Well Sorted, Silt, Damp
5-7	60.1		Tan, Well Sorted, Silt, Damp
7-10	7.0		Pink, Well Sorted, Silt, Damp
10-12	6.1		Pink, Well Sorted, Silt, Damp
12-15	1.8		Pink, Well Sorted, Silt, Damp

WELL CONSTRUCTION DETAILS (If Applicable)

Well Type/Diameter:	Outer Casing Interval:
Total Depth:	Outer Casing Diameter:
Screen Interval:	Bentonite Interval:
Sand Interval:	Slot Size:
Grout Interval:	Static Water Level:



**AMEC Earth & Environmental, Inc.
BORING LOG**

Boring/Well No.: P128-SB5	Site Name: Parcel 128
Date: 1-25-11	Location: North Wilkesboro, Wilkes Co., NC
Job No.: 562113405	Sample Method: Direct Push
AMEC Rep: Troy Holzschuh	Drilling Method: Direct Push
Drilling Company: CSI	Driller Name/Cert #: Keith Speece - 2856-A

Remarks:

Depth (ft BLS)	PID/OVA Reading (ppm)	Blow Counts	Soil/Lithologic Description
0-0.5			Asphalt/Aggregate
0.5-4	82.4		Orange, Well Sorted, Clayey Silt, Damp
4-6	441.4		Yellow, Well Sorted, Silty Sand, Fine, Damp
6-8	451.6		Yellow, Well Sorted, Silty Sand, Fine, Damp
8-10	1224.3		Pink, Well Sorted, Silty Sand, Fine, Damp
10-12	1287.6		Pink, Well Sorted, Silty Sand, Fine, Damp
12-15	1483.1		Pink, Well Sorted, Silty Sand, Fine, Damp

WELL CONSTRUCTION DETAILS (If Applicable)

Well Type/Diameter:	Outer Casing Interval:
Total Depth:	Outer Casing Diameter:
Screen Interval:	Bentonite Interval:
Sand Interval:	Slot Size:
Grout Interval:	Static Water Level:



AMEC Earth & Environmental, Inc.

BORING LOG

Boring/Well No.: P128-SB6	Site Name: Parcel 128
Date: 1-25-11	Location: North Wilkesboro, Wilkes Co., NC
Job No.: 562113405	Sample Method: Direct Push
AMEC Rep: Troy Holzschuh	Drilling Method: Direct Push
Drilling Company: CSI	Driller Name/Cert #: Keith Speece - 2856-A

Remarks:

Depth (ft BLS)	PID/OVA Reading (ppm)	Blow Counts	Soil/Lithologic Description
0-0.5			Asphalt/Aggregate
0.5-4	20.1		Orange, Well Sorted, Clayey Silt, Damp
4-6	41.8		Orange, Well Sorted, Silt, Damp
6-8	648.3		Red, Well Sorted, Silt, Damp
8-9.5	939.5		Red, Well Sorted, Silt, Damp
9.5-13	987.6		Brown/Orange, Well Sorted, Silt, Damp
13-15	1134.1		Pink/Orange, Well Sorted, Silt, Damp

WELL CONSTRUCTION DETAILS (If Applicable)

Well Type/Diameter:	Outer Casing Interval:
Total Depth:	Outer Casing Diameter:
Screen Interval:	Bentonite Interval:
Sand Interval:	Slot Size:
Grout Interval:	Static Water Level:



AMEC Earth & Environmental, Inc.

BORING LOG

Boring/Well No.: P128-SB9	Site Name: Parcel 128
Date: 1-25-11	Location: North Wilkesboro, Wilkes Co., NC
Job No.: 562113405	Sample Method: Direct Push
AMEC Rep: Troy Holzschuh	Drilling Method: Direct Push
Drilling Company: CSI	Driller Name/Cert #: Keith Speece - 2856-A

Remarks:

Depth (ft BLS)	PID/OVA Reading (ppm)	Blow Counts	Soil/Lithologic Description
0-0.5			Asphalt/Aggregate
0.5-2	0.1		Orange, Well Sorted, Clayey Silt, Damp
2-4	0.8		Orange, Well Sorted, Clayey Silt, Damp
4-6	1.2		Orange, Well Sorted, Clayey Silt, Damp
6-8	1.8		Yellow/Orange, Well Sorted, Silt, Damp
8-10	1.4		Yellow/Orange, Well Sorted, Silt, Damp

WELL CONSTRUCTION DETAILS (If Applicable)

Well Type/Diameter:	Outer Casing Interval:
Total Depth:	Outer Casing Diameter:
Screen Interval:	Bentonite Interval:
Sand Interval:	Slot Size:
Grout Interval:	Static Water Level:

APPENDIX C
GEOPHYSICAL SURVEY REPORT



January 28, 2011

Ms. Helen Corley, LG
AMEC Earth and Environmental of North Carolina, Inc.
101 W. Friendly Avenue, Suite 603
Greensboro, NC 27401

RE: State Project: R-3405
 WBS Element: 35579.1.1
 County: Wilkes
 Description: NC 18 from SR 1002 (Mountain View Road) to SR 1717 (Yellow Banks Road)

**Subject: Project 09210013.34 Report on Geophysical Surveys
 Parcel 128, Wilkes 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 property. We understand this letter report will be included as an appendix in your report to the NCDOT. The report includes two 11x17 color figures and four 8.5x11 color figures.

INTRODUCTION

The work described in this report was conducted on December 9 and 22, 2010, by Schnabel under our 2009 contract with the NCDOT. The work was conducted over the accessible areas of the parcel as indicated by the NCDOT to support their environmental assessment of the subject property. Photographs of the parcel are included on Figure 1. The property is located on the northwest quadrant of the intersection of Brown Berry Road and Sparta Road in North Wilkesboro, NC. The purpose of the geophysical surveys was to locate suspect metal underground storage tanks (USTs) in the accessible areas of the right-of-way and/or easement.

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. Photographs of the equipment used are shown on Figure 2.

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 (monitoring wells, 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 areas of reinforced concrete and anomalous EM readings not attributed to cultural features. The GPR data were reviewed in the field to evaluate the possible presence of USTs. The GPR data also were recorded digitally and later transferred to a desktop computer for further review.

DISCUSSION OF RESULTS

The contoured EM61 data collected over Parcel 128 are shown on Figures 3 and 4. The EM61 early time gate results are plotted on Figure 3. The early time gate data provide the more sensitive detection of metal objects. Figure 4 shows the difference between the response of the top and bottom coils of the EM61 instrument (differential response). The difference is taken to remove the effect of surface and very shallowly buried metallic objects. Typically, the differential response emphasizes anomalies from deeper and larger objects such as USTs.

The early time gate and differential results show anomalies of unknown cause, in addition to those apparently caused by reinforced concrete, buried utilities, or known site features (Figures 3 and 4). The GPR data collected near the easternmost building corner indicate the presence of two probable USTs located within approximately 10 to 20 feet of the easternmost building corner. The GPR data collected near the southernmost building corner indicate the presence of a probable UST located within approximately 5 to 10 feet of the southernmost building corner. The USTs are inside the limits of the planned right-of way and/or easement. Example GPR images showing the reflections from the probable USTs are shown on Figure 5. Figures 3 and 4 show the location of the probable USTs as marked in the field. Apparent fill and vent pipes are present at the location of probable UST No. 3.

The GPR data indicate that Probable UST No. 1 is buried approximately 3.0 to 4.0 feet below ground surface, and is about 5 feet in diameter and at least 6 feet long, equivalent to a capacity of at least 1,000 gallons. The GPR data indicate that Probable UST No. 2 is buried approximately 3.0 to 4.0 feet below ground surface, and is about 5 feet in diameter and at least 9 feet long, equivalent to a capacity of at least 1,500 gallons. It was not possible to determine the exact lengths of probable UST Nos. 1 and 2 because of their proximity to the building, so the capacities may be underestimated. The GPR data indicate that Probable UST No. 3 is buried approximately 1.5 to 2.5 feet below ground surface, and is about 3 feet in diameter and about 5 feet long, equivalent to a capacity of about 270 gallons. Photographs of the probable UST locations, as marked in the field, are included on Figure 6.

CONCLUSIONS

Our evaluation of the geophysical data collected on the subject property on Project R-3405 in North Wilkesboro, NC indicates the following:

The geophysical data indicate the presence of three probable USTs on Parcel 128. The three USTs are inside the planned right-of-way and/or easement. Probable UST No. 1 is about 1,000-gallon capacity and is buried about 3.0 to 4.0 feet below ground surface. Probable UST No. 2 is about 1,500-gallon capacity and is buried about 3.0 to 4.0 feet below ground surface. It was not possible to determine the exact lengths of probable UST Nos. 1 and 2 because of their proximity to the building, so the capacities may be underestimated. Probable UST No. 3 is about 270-gallon capacity and is buried about 1.5 to 2.5 feet below ground surface.

LIMITATIONS

These services have been performed and this report prepared for AMEC Earth and 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

JW:JS:NB

Attachments: Figures (6)

FILE: G:\2009 PROJECTS\09210013 (NCDOT 2009 GEOTECH UNIT SERVICES)\09210013.34 (R-3405, WILKES COUNTY)\REPORT\PARCEL 128\SCHNABEL GEOPHYSICAL REPORT ON PARCEL 128 (R-3405).DOCX



Parcel 128 – Helen G. Brown Property, looking northwest



Parcel 128 – Helen G. Brown Property, looking northeast



STATE PROJECT R-3405
NC DEPT. OF TRANSPORTATION
WILKES CO., NORTH CAROLINA
PROJECT NO. 09210013.34

PARCEL 128
SITE PHOTOS

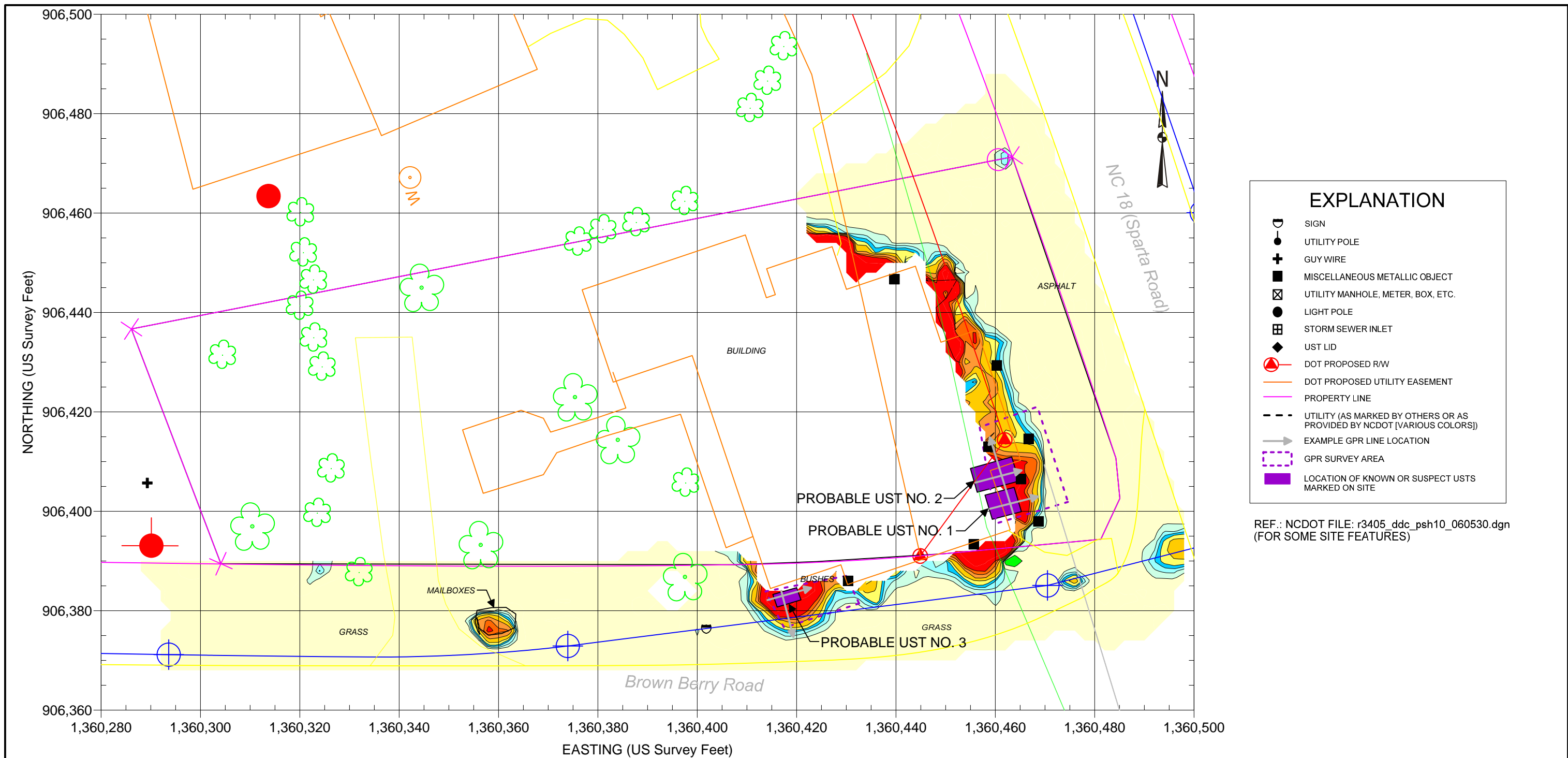
FIGURE 1



Geonics EM61-MK2



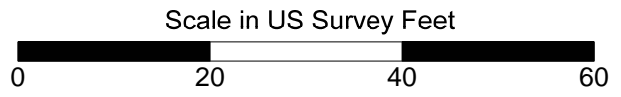
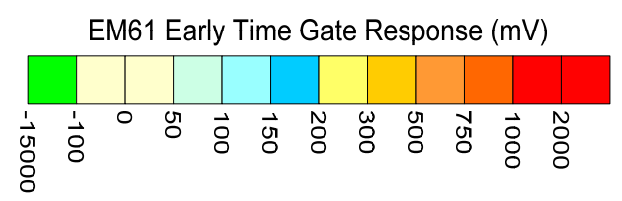
GSSI SIR-3000



EXPLANATION

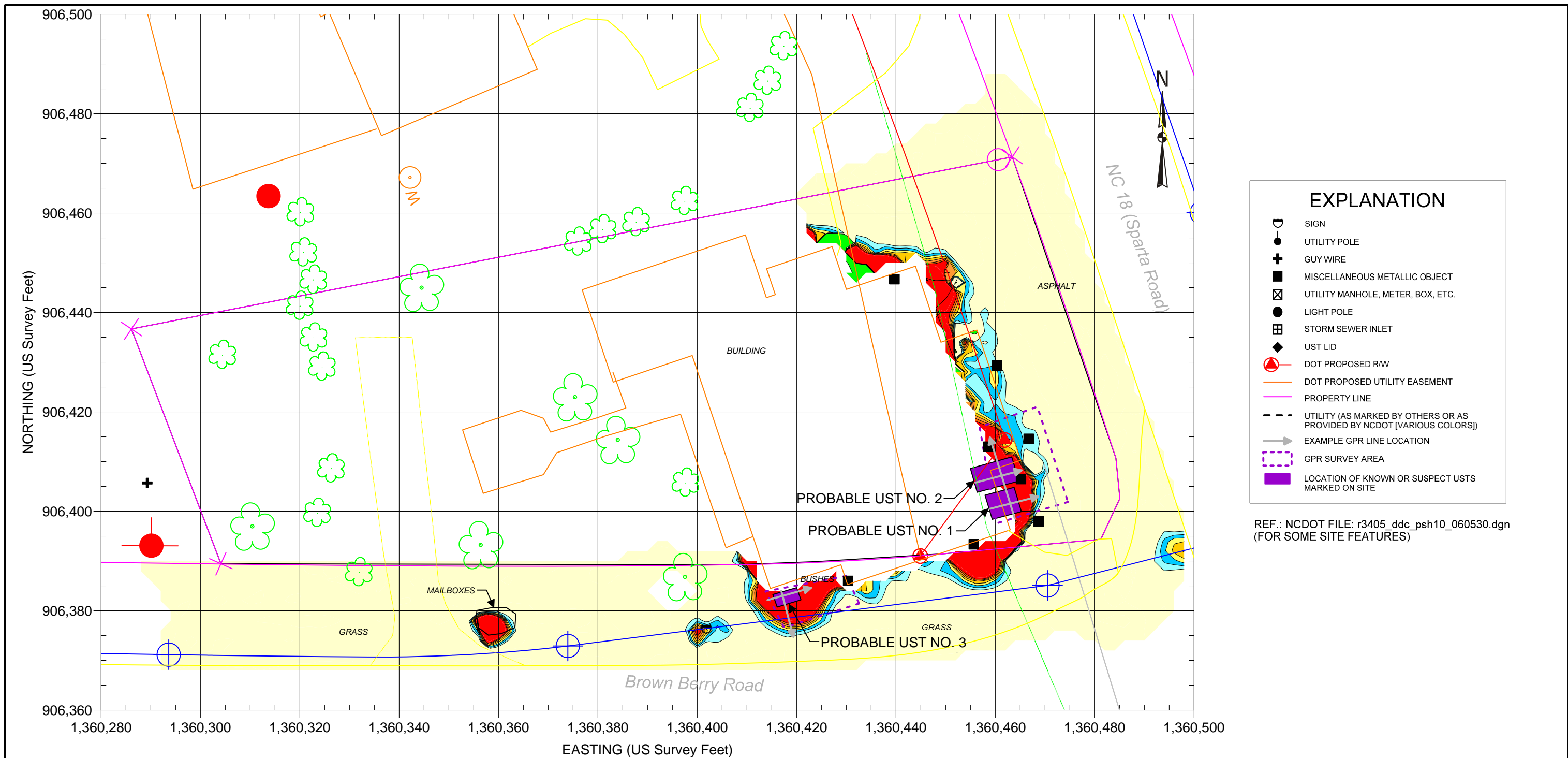
- SIGN
- UTILITY POLE
- GUY WIRE
- MISCELLANEOUS METALLIC OBJECT
- UTILITY MANHOLE, METER, BOX, ETC.
- LIGHT POLE
- STORM SEWER INLET
- UST LID
- DOT PROPOSED RW
- DOT PROPOSED UTILITY EASEMENT
- PROPERTY LINE
- UTILITY (AS MARKED BY OTHERS OR AS PROVIDED BY NCDOT [VARIOUS COLORS])
- EXAMPLE GPR LINE LOCATION
- GPR SURVEY AREA
- LOCATION OF KNOWN OR SUSPECT USTS MARKED ON SITE

REF.: NCDOT FILE: r3405_ddc_psh10_060530.dgn
(FOR SOME SITE FEATURES)



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 December 9, 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 December 22, 2010, using a Geophysical Survey Systems SIR 3000 equipped with a 400 MHz antenna.

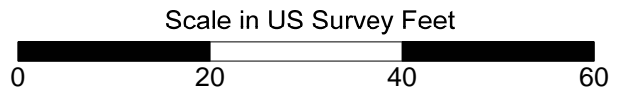
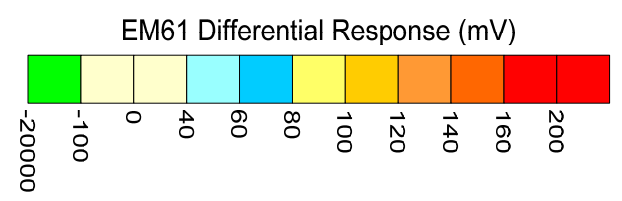
	<p>STATE PROJECT R-3405 WILKES COUNTY, NORTH CAROLINA NC DEPARTMENT OF TRANSPORTATION PROJECT NO. 09210013.34</p>	<p>PARCEL 128 EARLY TIME GATE RESPONSE</p>
		<p>FIGURE 3</p>



EXPLANATION

- SIGN
- UTILITY POLE
- GUY WIRE
- MISCELLANEOUS METALLIC OBJECT
- UTILITY MANHOLE, METER, BOX, ETC.
- LIGHT POLE
- STORM SEWER INLET
- UST LID
- DOT PROPOSED RW
- DOT PROPOSED UTILITY EASEMENT
- PROPERTY LINE
- UTILITY (AS MARKED BY OTHERS OR AS PROVIDED BY NCDOT [VARIOUS COLORS])
- EXAMPLE GPR LINE LOCATION
- GPR SURVEY AREA
- LOCATION OF KNOWN OR SUSPECT USTS MARKED ON SITE

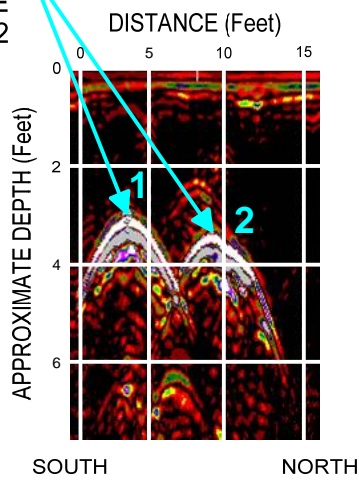
REF.: NCDOT FILE: r3405_ddc_psh10_060530.dgn
(FOR SOME SITE FEATURES)



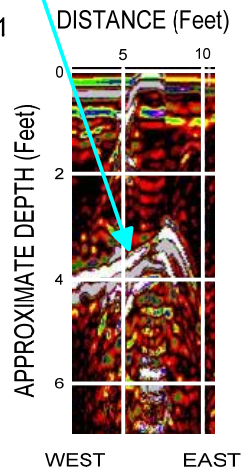
Note: The contour plot shows the difference, in millivolts (mV), between the readings from the top and bottom coils of the EM61. The difference is taken to reduce the effect of shallow metal objects and emphasize anomalies caused by deeper metallic objects, such as drums and tanks. The EM data were collected on December 9, 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 3200 Zone, using the NAD 1983 datum. GPR data were acquired on December 22, 2010, using a Geophysical Survey Systems SIR 3000 equipped with a 400 MHz antenna.

	STATE PROJECT R-3405 WILKES COUNTY, NORTH CAROLINA NC DEPARTMENT OF TRANSPORTATION PROJECT NO. 09210013.34	PARCEL 128 DIFFERENTIAL RESPONSE FIGURE 4
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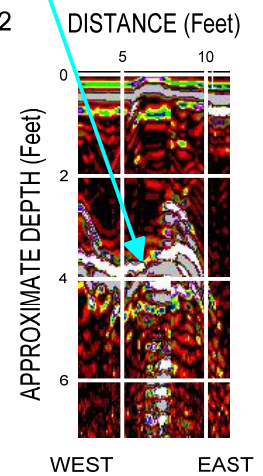
EXAMPLE GPR RESPONSE FROM THE SHORT AXES OF PROBABLE UST NOS. 1 AND 2



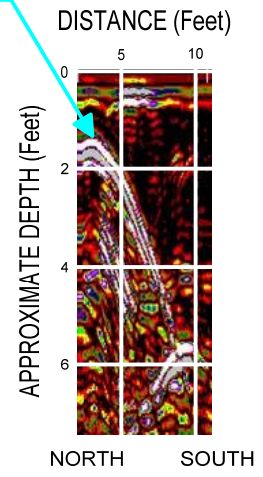
EXAMPLE GPR RESPONSE FROM THE LONG AXIS OF PROBABLE UST NO. 1



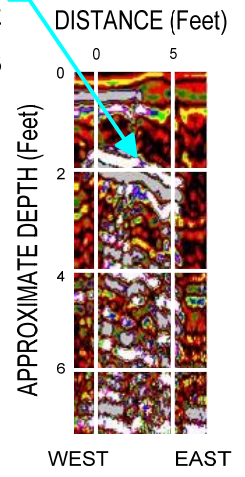
EXAMPLE GPR RESPONSE FROM THE LONG AXIS OF PROBABLE UST NO. 2



EXAMPLE GPR RESPONSE FROM THE SHORT AXIS OF PROBABLE UST NO. 3



EXAMPLE GPR RESPONSE FROM THE LONG AXIS OF PROBABLE UST NO. 3





Parcel 128 – Helen G. Brown Property, looking west. Photo shows approximate marked location of Probable UST Nos. 1 and 2 near the easternmost building corner.



Parcel 128 – Helen G. Brown Property, looking north. Photo shows approximate marked location of Probable UST No. 3 near the southernmost building corner.



STATE PROJECT R-3405
 WILKES CO., NORTH CAROLINA
 NC DEPT. OF TRANSPORTATION
 PROJECT NO. 09210013.34

PHOTOS OF
 PROBABLE
 UST LOCATIONS

FIGURE 6

APPENDIX D

LABORATORY ANALYTICAL RESULTS

AMEC Earth & Env. Inc.(DOT Gree)
Helen Corley
338 North Elm St. Suite 112
Greensboro, NC 27401

Project: NCDOT: Wilkes County Parcel 128
Project No.: WBS #34749.1.1
Lab Submittal Date: 01/26/2011
Prism Work Order: 1010531

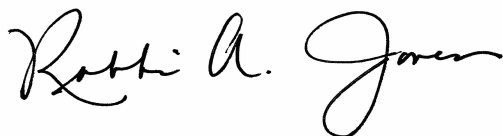
This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

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:

- A Surrogate recovery above the control limits. GRO was not detected in the sample. No further action was taken.
- Aa Surrogate recovery outside established limits due to matrix interference.
- DO Surrogates diluted out.
- M Matrix spike outside of the control limits.
- SR Surrogate recovery outside the QC limits.
- 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.



Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
P128-SB-1(5-7)	1010531-01	Solid	01/25/11	01/26/11
P128-SB-1(13-15)	1010531-02	Solid	01/25/11	01/26/11
P128-SB-2(10-12)	1010531-03	Solid	01/25/11	01/26/11
P128-SB-3(3-5)	1010531-04	Solid	01/25/11	01/26/11
P128-SB-3(13-15)	1010531-05	Solid	01/25/11	01/26/11
P128-SB-4(4-6)	1010531-06	Solid	01/25/11	01/26/11
P128-SB-5(2-4)	1010531-07	Solid	01/25/11	01/26/11
P128-SB-5(13-15)	1010531-08	Solid	01/25/11	01/26/11
P128-SB-6(2-4)	1010531-09	Solid	01/25/11	01/26/11
P128-SB-6(13-15)	1010531-10	Solid	01/25/11	01/26/11
P128-SB-7(4-6)	1010531-11	Solid	01/25/11	01/26/11
P128-SB-8(8-10)	1010531-12	Solid	01/25/11	01/26/11
P128-SB-9(6-8)	1010531-13	Solid	01/25/11	01/26/11
P128-SB-10(4-6)	1010531-14	Solid	01/25/11	01/26/11

Samples received in good condition at 2.7 degrees C unless otherwise noted.



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

Project: NCDOT: Wilkes County
Parcel 128
Project No.: WBS #34749.1.1
Sample Matrix: Solid

Client Sample ID: P128-SB-1(5-7)
Prism Sample ID: 1010531-01
Prism Work Order: 1010531
Time Collected: 01/25/11 09:30
Time Submitted: 01/26/11 13:12

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	7600	mg/kg dry	330	53	40	*8015C	1/31/11 9:43	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			0 %		49-124	DO
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	170	mg/kg dry	5.0	0.64	50	*8015C	1/28/11 4:44	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			125 %		55-129	
General Chemistry Parameters									
% Solids	84.6	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542

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

Project: NCDOT: Wilkes County
Parcel 128
Project No.: WBS #34749.1.1
Sample Matrix: Solid

Client Sample ID: P128-SB-1(13-15)
Prism Sample ID: 1010531-02
Prism Work Order: 1010531
Time Collected: 01/25/11 09:40
Time Submitted: 01/26/11 13:12

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	15	mg/kg dry	8.4	1.4	1	*8015C	1/28/11 12:56	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			98 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	4.9	0.64	50	*8015C	1/27/11 19:21	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			140 %		55-129	A
General Chemistry Parameters									
% Solids	83.2	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542

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

Project: NCDOT: Wilkes County
 Parcel 128
 Project No.: WBS #34749.1.1
 Sample Matrix: Solid

Client Sample ID: P128-SB-2(10-12)
 Prism Sample ID: 1010531-03
 Prism Work Order: 1010531
 Time Collected: 01/25/11 09:50
 Time Submitted: 01/26/11 13:12

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	43	mg/kg dry	8.1	1.3	1	*8015C	1/28/11 13:31	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			88 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	4.9	0.63	50	*8015C	1/27/11 18:50	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			160 %		55-129	A
General Chemistry Parameters									
% Solids	85.9	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542

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

Project: NCDOT: Wilkes County
 Parcel 128
 Project No.: WBS #34749.1.1
 Sample Matrix: Solid

Client Sample ID: P128-SB-3(3-5)
 Prism Sample ID: 1010531-04
 Prism Work Order: 1010531
 Time Collected: 01/25/11 10:05
 Time Submitted: 01/26/11 13:12

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	8.9	1.4	1	*8015C	1/28/11 14:06	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			104 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.4	0.57	50	*8015C	1/27/11 19:52	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			143 %		55-129	A

General Chemistry Parameters

% Solids	78.7	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542
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AMEC Earth & Env. Inc.(DOT Gree)
 Attn: Helen Corley
 338 North Elm St. Suite 112
 Greensboro, NC 27401

Project: NCDOT: Wilkes County
 Parcel 128
 Project No.: WBS #34749.1.1
 Sample Matrix: Solid

Client Sample ID: P128-SB-3(13-15)
 Prism Sample ID: 1010531-05
 Prism Work Order: 1010531
 Time Collected: 01/25/11 10:10
 Time Submitted: 01/26/11 13:12

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	450	mg/kg dry	85	14	10	*8015C	1/28/11 23:32	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			105 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	2400	mg/kg dry	180	24	2000	*8015C	1/28/11 5:47	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			0 %		55-129	DO
General Chemistry Parameters									
% Solids	81.9	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542

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

Project: NCDOT: Wilkes County
Parcel 128
Project No.: WBS #34749.1.1
Sample Matrix: Solid

Client Sample ID: P128-SB-4(4-6)
Prism Sample ID: 1010531-06
Prism Work Order: 1010531
Time Collected: 01/25/11 10:25
Time Submitted: 01/26/11 13:12

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	8.5	1.4	1	*8015C	1/28/11 14:42	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			90 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.9	0.64	50	*8015C	1/27/11 20:23	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			138 %		55-129	A

General Chemistry Parameters

% Solids	82.1	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542
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AMEC Earth & Env. Inc.(DOT Gree)
Attn: Helen Corley
338 North Elm St. Suite 112
Greensboro, NC 27401

Project: NCDOT: Wilkes County
Parcel 128
Project No.: WBS #34749.1.1
Sample Matrix: Solid

Client Sample ID: P128-SB-5(2-4)
Prism Sample ID: 1010531-07
Prism Work Order: 1010531
Time Collected: 01/25/11 10:35
Time Submitted: 01/26/11 13:12

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	8.9	1.4	1	*8015C	1/28/11 15:17	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			104 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	5.0	0.66	50	*8015C	1/27/11 20:55	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			128 %		55-129	

General Chemistry Parameters

% Solids	77.7	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542
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AMEC Earth & Env. Inc.(DOT Gree)
 Attn: Helen Corley
 338 North Elm St. Suite 112
 Greensboro, NC 27401

Project: NCDOT: Wilkes County
 Parcel 128
 Project No.: WBS #34749.1.1
 Sample Matrix: Solid

Client Sample ID: P128-SB-5(13-15)
 Prism Sample ID: 1010531-08
 Prism Work Order: 1010531
 Time Collected: 01/25/11 10:45
 Time Submitted: 01/26/11 13:12

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	640	mg/kg dry	81	13	10	*8015C	1/29/11 0:08	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			107 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	3800	mg/kg dry	200	26	2000	*8015C	1/28/11 5:16	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			0 %		55-129	DO
General Chemistry Parameters									
% Solids	86.4	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542

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

Project: NCDOT: Wilkes County
 Parcel 128
 Project No.: WBS #34749.1.1
 Sample Matrix: Solid

Client Sample ID: P128-SB-6(2-4)
 Prism Sample ID: 1010531-09
 Prism Work Order: 1010531
 Time Collected: 01/25/11 11:00
 Time Submitted: 01/26/11 13:12

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	9.3	1.5	1	*8015C	1/28/11 15:52	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			95 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	9.1	mg/kg dry	5.3	0.69	50	*8015C	1/27/11 21:26	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			127 %		55-129	
General Chemistry Parameters									
% Solids	74.7	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542

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

Project: NCDOT: Wilkes County
 Parcel 128
 Project No.: WBS #34749.1.1
 Sample Matrix: Solid

Client Sample ID: P128-SB-6(13-15)
 Prism Sample ID: 1010531-10
 Prism Work Order: 1010531
 Time Collected: 01/25/11 11:10
 Time Submitted: 01/26/11 13:12

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	470	mg/kg dry	42	6.8	5	*8015C	1/31/11 10:19	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			141 %		49-124	Aa
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	1600	mg/kg dry	200	26	2000	*8015C	1/28/11 10:33	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			0 %		55-129	DO
General Chemistry Parameters									
% Solids	82.4	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542

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

Project: NCDOT: Wilkes County
Parcel 128
Project No.: WBS #34749.1.1
Sample Matrix: Solid

Client Sample ID: P128-SB-7(4-6)
Prism Sample ID: 1010531-11
Prism Work Order: 1010531
Time Collected: 01/25/11 11:20
Time Submitted: 01/26/11 13:12

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	16	mg/kg dry	8.2	1.3	1	*8015C	1/28/11 16:28	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			108 %		49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	9.2	mg/kg dry	5.2	0.68	50	*8015C	1/28/11 10:01	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			119 %		55-129	
General Chemistry Parameters									
% Solids	85.4	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542

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

Project: NCDOT: Wilkes County
Parcel 128
Project No.: WBS #34749.1.1
Sample Matrix: Solid

Client Sample ID: P128-SB-8(8-10)
Prism Sample ID: 1010531-12
Prism Work Order: 1010531
Time Collected: 01/25/11 11:40
Time Submitted: 01/26/11 13:12

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	8.8	1.4	1	*8015C	1/28/11 17:03	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			104 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.7	0.61	50	*8015C	1/28/11 0:02	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			170 %		55-129	A

General Chemistry Parameters

% Solids	79.0	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542
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AMEC Earth & Env. Inc.(DOT Gree)
Attn: Helen Corley
338 North Elm St. Suite 112
Greensboro, NC 27401

Project: NCDOT: Wilkes County
Parcel 128
Project No.: WBS #34749.1.1
Sample Matrix: Solid

Client Sample ID: P128-SB-9(6-8)
Prism Sample ID: 1010531-13
Prism Work Order: 1010531
Time Collected: 01/25/11 11:50
Time Submitted: 01/26/11 13:12

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	8.5	1.4	1	*8015C	1/28/11 17:39	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			94 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	4.9	0.63	50	*8015C	1/28/11 0:33	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			144 %		55-129	A

General Chemistry Parameters

% Solids	81.9	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542
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AMEC Earth & Env. Inc.(DOT Gree)
Attn: Helen Corley
338 North Elm St. Suite 112
Greensboro, NC 27401

Project: NCDOT: Wilkes County
Parcel 128
Project No.: WBS #34749.1.1
Sample Matrix: Solid

Client Sample ID: P128-SB-10(4-6)
Prism Sample ID: 1010531-14
Prism Work Order: 1010531
Time Collected: 01/25/11 12:00
Time Submitted: 01/26/11 13:12

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	8.9	1.4	1	*8015C	1/28/11 18:49	JMV	P1A0489
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			88 %		49-124	

Gasoline Range Organics by GC/FID

Gasoline Range Organics	BRL	mg/kg dry	5.4	0.70	50	*8015C	1/28/11 1:05	HPE	P1A0466
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			144 %		55-129	A

General Chemistry Parameters

% Solids	78.4	% by Weight	0.100	0.100	1	*SM2540 G	1/31/11 16:15	JAB	P1A0542
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AMEC Earth & Env. Inc.(DOT Gree)
 Attn: Helen Corley
 338 North Elm St. Suite 112
 Greensboro, NC 27401

Project: NCDOT: Wilkes County Parcel
 128
 Project No: WBS #34749.1.1

Prism Work Order: 1010531
 Time Submitted: 1/26/11 1:12:00PM

Gasoline Range Organics by GC/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1A0466 - 5035										
Blank (P1A0466-BLK1) Prepared & Analyzed: 01/27/11										
Gasoline Range Organics	BRL	5.0	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	5.40		mg/kg wet	5.00		108	55-129			
LCS (P1A0466-BS1) Prepared & Analyzed: 01/27/11										
Gasoline Range Organics	42.3	5.0	mg/kg wet	50.0		85	67-116			
Surrogate: a,a,a-Trifluorotoluene	5.35		mg/kg wet	5.00		107	55-129			
LCS Dup (P1A0466-BSD1) Prepared & Analyzed: 01/27/11										
Gasoline Range Organics	42.9	5.0	mg/kg wet	50.0		86	67-116	1	200	
Surrogate: a,a,a-Trifluorotoluene	5.25		mg/kg wet	5.00		105	55-129			
Matrix Spike (P1A0466-MS1) Source: 1010531-03 Prepared & Analyzed: 01/27/11										
Gasoline Range Organics	76.7	5.8	mg/kg dry	58.2	BRL	132	57-113			M
Surrogate: a,a,a-Trifluorotoluene	10.7		mg/kg dry	5.82		184	55-129			SR
Matrix Spike Dup (P1A0466-MSD1) Source: 1010531-03 Prepared & Analyzed: 01/27/11										
Gasoline Range Organics	76.3	5.8	mg/kg dry	58.2	BRL	131	57-113	0.5	23	M
Surrogate: a,a,a-Trifluorotoluene	10.8		mg/kg dry	5.82		186	55-129			SR

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

Project: NCDOT: Wilkes County Parcel
128
Project No: WBS #34749.1.1

Prism Work Order: 1010531
Time Submitted: 1/26/11 1:12:00PM

Diesel Range Organics by GC/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1A0489 - 3545A										
Blank (P1A0489-BLK1)										
					Prepared: 01/27/11 Analyzed: 01/28/11					
Diesel Range Organics	BRL	7.0	mg/kg wet							
Surrogate: <i>o</i> -Terphenyl	1.31		mg/kg wet	1.60		82	49-124			
LCS (P1A0489-BS1)										
					Prepared: 01/27/11 Analyzed: 01/28/11					
Diesel Range Organics	57.3	7.0	mg/kg wet	79.7		72	55-109			
Surrogate: <i>o</i> -Terphenyl	1.39		mg/kg wet	1.59		87	49-124			
LCS Dup (P1A0489-BSD1)										
					Prepared: 01/27/11 Analyzed: 01/28/11					
Diesel Range Organics	59.3	7.0	mg/kg wet	79.8		74	55-109	3	200	
Surrogate: <i>o</i> -Terphenyl	1.43		mg/kg wet	1.60		89	49-124			

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

Project: NCDOT: Wilkes County Parcel
128
Project No: WBS #34749.1.1

Prism Work Order: 1010531
Time Submitted: 1/26/11 1:12:00PM

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 P1A0542 - NO PREP

Blank (P1A0542-BLK1) Prepared & Analyzed: 01/31/11

% Solids	100	0.100	% by Weight							
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Duplicate (P1A0542-DUP1) Source: 1010531-09 Prepared & Analyzed: 01/31/11

% Solids	78.4	0.100	% by Weight		74.7			5	20	
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Sample Extraction Data

Prep Method: 3545A

Lab Number	Batch	Initial	Final	Date
1010531-01	P1A0489	25.1 g	1 mL	01/27/11
1010531-02	P1A0489	25.13 g	1 mL	01/27/11
1010531-03	P1A0489	25.08 g	1 mL	01/27/11
1010531-04	P1A0489	25.04 g	1 mL	01/27/11
1010531-05	P1A0489	25.06 g	1 mL	01/27/11
1010531-06	P1A0489	25.02 g	1 mL	01/27/11
1010531-07	P1A0489	25.18 g	1 mL	01/27/11
1010531-08	P1A0489	25.03 g	1 mL	01/27/11
1010531-09	P1A0489	25.06 g	1 mL	01/27/11
1010531-10	P1A0489	25.14 g	1 mL	01/27/11
1010531-11	P1A0489	25.14 g	1 mL	01/27/11
1010531-12	P1A0489	25.14 g	1 mL	01/27/11
1010531-13	P1A0489	25.01 g	1 mL	01/27/11
1010531-14	P1A0489	25.13 g	1 mL	01/27/11

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date
1010531-01	P1A0466	5.96 g	5 mL	01/27/11
1010531-02	P1A0466	6.14 g	5 mL	01/27/11
1010531-03	P1A0466	5.99 g	5 mL	01/27/11
1010531-04	P1A0466	7.25 g	5 mL	01/27/11
1010531-05	P1A0466	6.73 g	5 mL	01/27/11
1010531-06	P1A0466	6.23 g	5 mL	01/27/11
1010531-07	P1A0466	6.38 g	5 mL	01/27/11
1010531-08	P1A0466	5.89 g	5 mL	01/27/11
1010531-09	P1A0466	6.27 g	5 mL	01/27/11
1010531-10	P1A0466	5.96 g	5 mL	01/27/11
1010531-11	P1A0466	5.6 g	5 mL	01/27/11
1010531-12	P1A0466	6.7 g	5 mL	01/27/11
1010531-13	P1A0466	6.26 g	5 mL	01/27/11
1010531-14	P1A0466	5.9 g	5 mL	01/27/11

NO PREP

Lab Number	Batch	Initial	Final	Date
1010531-01	P1A0542	30 g	30 mL	01/31/11
1010531-02	P1A0542	30 g	30 mL	01/31/11
1010531-03	P1A0542	30 g	30 mL	01/31/11
1010531-04	P1A0542	30 g	30 mL	01/31/11
1010531-05	P1A0542	30 g	30 mL	01/31/11
1010531-06	P1A0542	30 g	30 mL	01/31/11
1010531-07	P1A0542	30 g	30 mL	01/31/11
1010531-08	P1A0542	30 g	30 mL	01/31/11
1010531-09	P1A0542	30 g	30 mL	01/31/11
1010531-10	P1A0542	30 g	30 mL	01/31/11
1010531-11	P1A0542	30 g	30 mL	01/31/11
1010531-12	P1A0542	30 g	30 mL	01/31/11
1010531-13	P1A0542	30 g	30 mL	01/31/11
1010531-14	P1A0542	30 g	30 mL	01/31/11

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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: AMEC E+E
Report To/Contact Name: Helen Corley
Reporting Address: 338 N Elm St Greensboro NC 27401

Phone: 336-696-5398 Fax (Yes) (No):
Email (Yes) (No) Email Address: helen.corley@amec.com
EDD Type: PDF Excel Other
Site Location Name: Parcel 128
Site Location Physical Address: N. Wilkesboro

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING: WBS: 35579.11

Project Name: Wilkes County
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: Helen Corley
Address: Same

LAB USE ONLY			
	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>2.7</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Purchase Order No./Billing Reference _____
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 Pre-Approved
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)

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC USACE FL NC
SC OTHER N/A
Water Chlorinated: YES NO
Sample Iced Upon Collection: YES NO

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								
P128-SB-1(5-7)	1-25-11	930 930	Soil	G/VOA	4	2G 2VOA		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					61
P128-SB-1(13-15)		940						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					62
P128-SB-2(10-12)		950						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		X			63
P128-SB-3(3-5)		105						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					64
P128-SB-3(13-15)		1010						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					65
P128-SB-4(4-6)		1025						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		SB-11			66
P128-SB-5(2-4)		1035						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					67
P128-SB-5(13-15)		1045						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					68
P128-SB-6(2-4)		1100						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					69
P128-SB-6(13-15)		1110						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					70

Sampler's Signature: Troy L Holzschuh Sampled By (Print Name): Troy L Holzschuh Affiliation: AMEC

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody 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.

Relinquished By: (Signature) <u>Troy L Holzschuh</u>	Received By: (Signature)	Date <u>1-26-11</u>	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By: <u>[Signature]</u>	Date <u>1/26/11</u>	Hours <u>1312</u>
Method of Shipment: <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input checked="" type="checkbox"/> Hand-delivered <input type="checkbox"/> Prism Field Service <input type="checkbox"/> Other		COC Group No. <u>1010531</u>	

Additional Comments:

Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

NPDES: NC SC UST: NC SC GROUNDWATER: NC SC DRINKING WATER: NC SC SOLID WASTE: NC SC RCRA: NC SC CERCLA: NC SC LANDFILL: NC SC OTHER: NC SC

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



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: AMEC E+E
Report To/Contact Name: Helen Corley
Reporting Address: 338 N Elm St
Greensboro, NC 27401

Phone: 336-691-5398 Fax (Yes) (No):
Email (Yes) (No) Email Address: helen.corley@amec.com
EDD Type: PDF Excel Other
Site Location Name: Parcel 128
Site Location Physical Address: N Wilkesboro

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING: WBS 35579.11

Project Name: Wilkes County
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I III IV) provisions and/or QC Requirements
Invoice To: Helen Corley
Address: Same

Purchase Order No./Billing Reference
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 Pre-Approved
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)

LAB USE ONLY			
	YES	NO	N/A
Samples INTACT upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp <u>2.7</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VOLATILES rec'd W/OUT HEADSPACE?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC USACE FL NC
SC OTHER N/A
Water Chlorinated: YES NO
Sample Iced Upon Collection: YES NO

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							
P-128-SB-7(4-6)	1-25-11	1120	Soil	G VOA	4	2 G 2 VOA	X	X				X	11
P-128-SB-8(8-10)	1-25-11	1140	Soil	G VOA	4	2 G 2 VOA	X	X					12
P-128-SB-9(6-8)	↓	1150	↓	↓	↓	↓	X	X					13
P-128-SB-10(4-6)	↓	1200	↓	↓	↓	↓	X	X					14

Sampler's Signature: Troy L Holzschuh Sampled By (Print Name): Troy L Holzschuh Affiliation: AMEC

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Upon relinquishing, this Chain of Custody 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.

Relinquished By: (Signature) <u>Troy L Holzschuh</u>	Received By: (Signature)	Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By: <u>J.R.B.</u>	Date	
Method of Shipment: 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.		COC Group No.	

Additional Comments:

PRISM USE ONLY

Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

NPDES: NC SC UST: NC SC GROUNDWATER: NC SC DRINKING WATER: NC SC SOLID WASTE: NC SC RCRA: NC SC CERCLA: NC SC LANDFILL: NC SC OTHER: NC SC

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

SEE REVERSE FOR TERMS & CONDITIONS
Page 22 of 22
ORIGINAL