AECOM Technical Services of North Carolina, Inc.
701 Corporate Center Drive, Suite 475, Raleigh, North Carolina 27607
T 919.854.6200 F 919.854.6259 www.earthtech.aecom.com

June 25, 2010

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

Reference: Preliminary Site Assessment
Triad Holding Company Property (Parcel #119)
1557 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 Triad Holding Company Property (Parcel #119) is located at 1557 Union Cross Road (SR 2643) in Kernersville, Forsyth County, North Carolina. The property is situated on the east side of Union Cross Road and in the northeast quadrant of the intersection of Union Cross Road and Interstate 40 (Figure 1). Based on information supplied by the NCDOT and the site visit, AECOM understands that the site is an active gas station/convenience store (The Pop Shoppe 185) where one 15,000-gallon and one 10,000-gallon gasoline underground storage tanks (USTs), one 5,000-gallon diesel fuel UST, and one 3,000-gallon kerosene UST are present. The building in which the store is housed is part of a strip mall containing several businesses. The structure, subdivided into several businesses, consists of one block building with an asphalt parking lot on all sides. A structure containing a drive-through car wash is located on the rear of the property. Canopied pump islands and the USTs are located in front of the convenience store (Figure 2). The NCDOT has advised that only the existing right-of-way/easement will be used

for this portion of the road improvements (Figure 2). However, because of the location of the tanks and pump islands, 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 right-of-way with respect to the presence of known and unknown USTs and assess where contamination may exist on the right-of-way. If present, 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 USTs on the property are operated under Facility Number 0-035990. The operator and owner of the tanks were listed as follows:

Owner
Mid-State Petroleum, Inc.
4192 Mendenhall Oaks Parkway
High Point, NC 27265-8034
(336) 841-3000

Operator
The Pop Shoppe 185
1557 Union Cross Road
Kernersville, NC 27284
(336) 249-0363

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 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 High Point Road and the Y-axis oriented approximately perpendicular to High Point 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.

With the exception of an overgrown area on the InterstaT6e 40 right-of-way, access was available to all areas of the right-of-way and several anomalies were detected with the geophysical survey. All of these anomalies were attributed to buried utility lines or conduits. The survey concluded that no metallic USTs, other than the known tanks, were present on the right-of-way. A detailed report of findings and interpretations is presented in Attachment A.

Site Assessment Activities

On May 26, 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 for analysis 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).

Four direct-push holes (TH-1 through TH-4) were advanced within the right-of-way to a depth of 15 feet as shown in Figure 2 and Attachment B. Borings TH-1 and TH-2 were located to evaluate the Interstate 40 right-of-way, and borings TH-3 and TH-4 were placed to assess the soil conditions along the Union Cross Road right-of-way (Attachment C). The lithology encountered by the direct-push samples generally was consistent throughout the site. The ground surface was covered with about 2 to 3 inches of topsoil. Below the surface to a depth of 8 to 12 feet was a medium to reddish brown silt/clay. Underlying this material was a mottled medium brown and tan silt/sand or a mottled pink and white meduiim-grained sand saprolite. No bedrock was encountered in any of the borings. The "Geologic Map of North Carolina" dated 1985 indicates that the site is underlain by granite. The soil observed at the site is consistent with this parent rock. All the borings were terminated at a depth of 15 feet. No groundwater was observed in any of the borings. Based on field screening, soil samples were submitted for laboratory analyses, 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, no petroleum hydrocarbon compounds identified as DRO and/or GRO were detected in any of the four soil samples collected from the site on May 26, 2010. Consequently, no concentrations are present above applicable action levels.

Conclusions and Recommendations

A Preliminary Site Assessment was conducted to evaluate the Triad Holding Company Property (Parcel #119) located at 1557 Union Cross Road in Kernersville, Forsyth County, North Carolina. Four soil borings were advanced to evaluate the soil conditions throughout the existing right-of-way. The laboratory reports of the soil samples from these borings suggest that no DRO and/or GRO concentrations were present above the action level in any of the four soil samples analyzed.

AECOM appreciates the opportunity to work with the NCDOT on this project. Because no compounds were detected above the method detection limits in the soil samples, no notification is required to the NCDENR. If you have any questions, please contact me at (919) 854-6238.

Sincerely,

Michael W. Branson

Michael W. Branson, P.G.
Project Manager

Attachments

c: Project File

TABLE 1

SOIL FIELD SCREENING AND ANALYTICAL RESULTS
TRIAD HOLDING COMPANY PROPERTY (PARCEL #119)
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)
TH-1	0 - 2	2.62	TH-1	DRO (BQL) GRO (BQL)	10 10
	2 - 4	2.19			
	4 - 6	2.27			
	6 - 8	2.34			
	8 - 10	2.17			
	10 - 12	1.52			
	12 - 14	1.67			
	14 - 15	1.31			
TH-2	0 - 2	2.74			
	2 - 4	2.97			
	4 - 6	2.73			
	6 - 8	2.80			
	8 - 10	2.51			
	10 - 12	2.37			
	12 - 14	3.13	TH-2	DRO (BQL) GRO (BQL)	10 10
	14 - 15	2.80			
TH-3	0 - 2	1.85			
	2 - 4	1.72			
	4 - 6	2.53			
	6 - 8	2.97	TH-3	DRO (BQL) GRO (BQL)	10 10
	8 - 10	2.20			
	10 - 12	2.44			
	12 - 14	2.62			
	14 - 15	1.96			
TH-4	0 - 2	2.21			
	2 - 4	3.06	TH-4	DRO (BQL) GRO (BQL)	10 10
	4 - 6	2.92			
	6 - 8	1.58			
	8 - 10	2.06			
	10 - 12	2.16			
	12 - 14	3.04			
	14 - 15	3.00			

Soil samples were collected on May 26, 2010.

DRO - Diesel range organics.
GRO - Gasoline range organics.
BQL - Below quantitation limit.
ppm - parts per million.
mg/kg - milligrams per kilogram.

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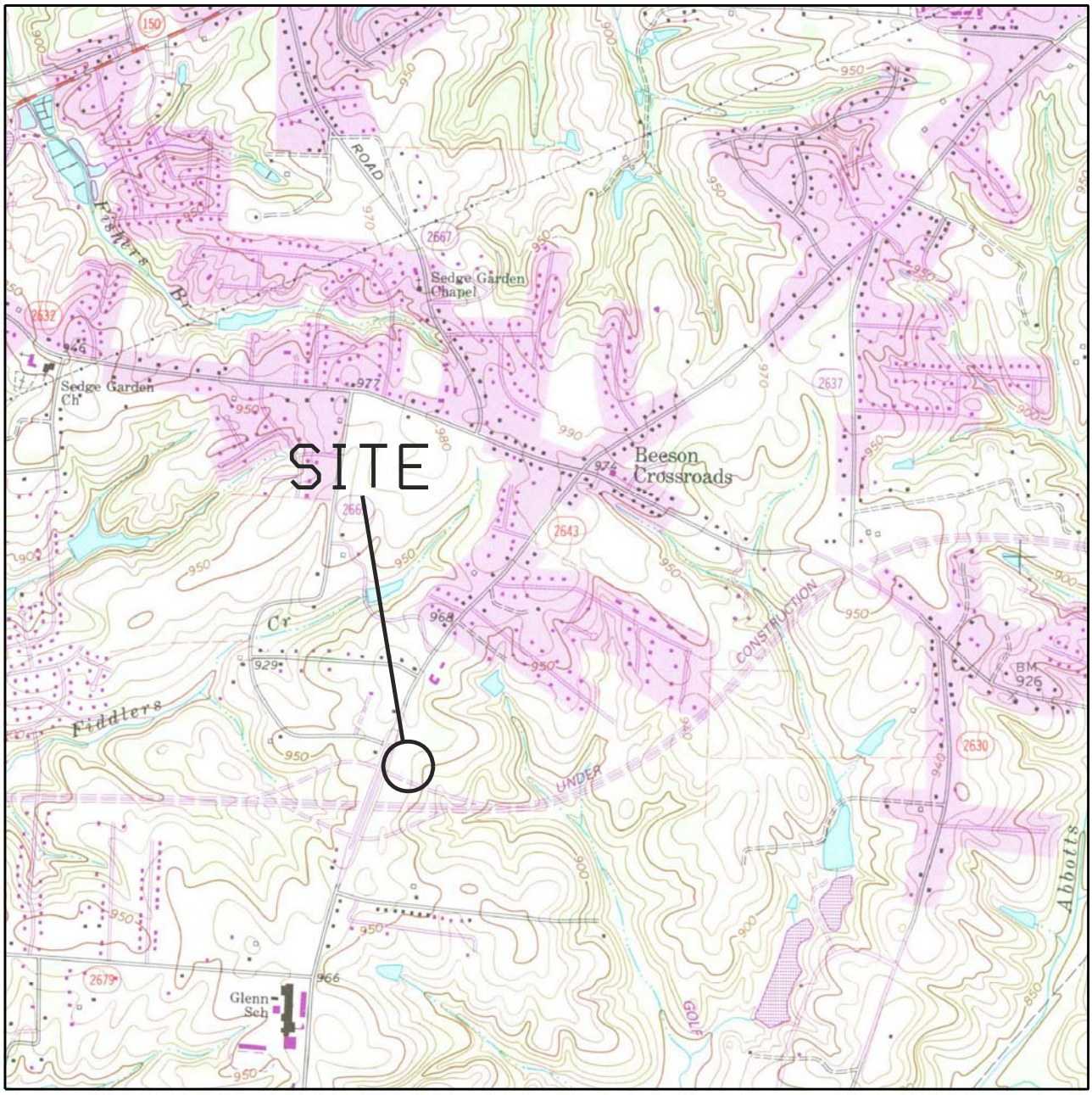
FIGURES



SCALE 1:24,000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

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

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FIGURE 1
VICINITY MAP
TRIAD HOLDING COMPANY PROPERTY (PARCEL #119)
KERNERSVILLE, FORSYTH COUNTY NORTH CAROLINA

MAY 2010

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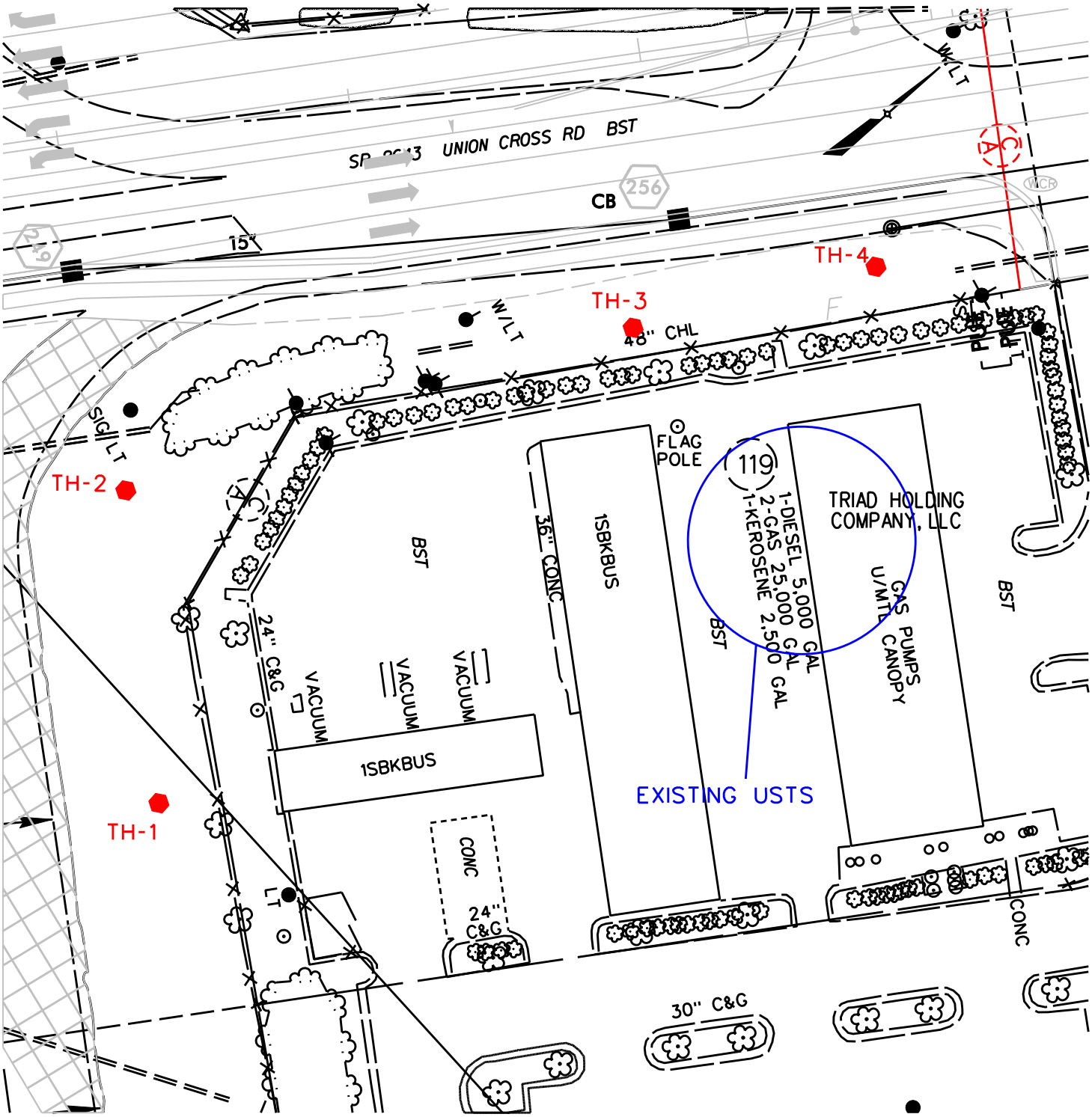

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FIGURE 2
SITE MAP
TRIAD HOLDING COMPANY PROPERTY (PARCEL #119)
KERNERSVILLE, FORSYTH COUNTY, NORTH CAROLINA

MAY 2010 60155373

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ATTACHMENT A

Pyramid Project # 2010109

GEOPHYSICAL INVESTIGATION REPORT

EM61 SURVEYS
TRIAD HOLDING COMPANY, LLC PROPERTY
(PARCEL 119)
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

PYRAMID ENVIRONMENTAL & ENGINEERING, P.C.
P.O. Box 16265
GREENSBORO, NC 27416-0265
(336) 335-3174

AECOM Environment
GEOPHYSICAL INVESTIGATION REPORT
TRIAD HOLDING COMPANY, LLC PROPERTY
(PARCEL 119)
Forsyth County, North Carolina

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FIGURES

1.0 INTRODUCTION

Pyramid Environmental conducted geophysical investigations for AECOM Environment across the proposed Right-of-Way (ROW) portion of the Triad Holding Company, LLC property (Parcel 119) located at the northeast corner of the Interstate 40 west bound exit ramp and Union Cross Road in Forsyth County, North Carolina. The geophysical survey area consists of the ditch portion of the property located immediately along Union Cross Road and the shoulder area of the road located along the I-40 west bound exit ramp. The survey area has a total length and width of 600 feet and 40 feet, respectively.

The geophysical investigation was conducted on May 13, 2010 to determine if unknown, metallic USTs were present beneath the proposed ROW area. AECOM Environment representative Mr. Michael Branson, PG identified the geophysical survey area to Pyramid Environmental personnel and provided site maps showing the boundaries of the proposed survey area prior to conducting the investigation. Photographs of the geophysical equipment used in this investigation and the northern portion of the geophysical survey area at the Triad Holding Company, LLC property (Parcel 119) are shown in **Figure 1**.

2.0 FIELD METHODOLOGY

Prior to conducting the geophysical investigation, a 10-foot by 20-foot survey grid was established across the geophysical survey area using measuring tapes, 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 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. All of the EM61 data were digitally collected at 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 office using the Geonics DAT61W and Surfer for Windows Version 7.0 software programs.

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 drums and USTs and ignore the smaller insignificant metal objects.

Preliminary geophysical results obtained from Parcel 119 were reported to Mr. Branson during the week of May 17, 2010.

3.0 DISCUSSION OF RESULTS

The linear, EM61 bottom coil anomaly intersecting grid coordinates X=45 Y=40 and the bottom coil anomalies intersecting grid coordinates X=37 Y=180 and X=40 Y=360 are probably in response to metallic culverts or conduits that run parallel to Union Cross Road. The EM61 bottom coil anomaly centered near grid coordinates X=30 Y=237 is probably in response to a miscellaneous metal object or debris. The bottom coil anomalies centered near grid coordinates X=20 Y=80, X=93 Y=27, X=197 Y=35, and X=307 Y=20 are probably in response to the metallic road signs. The bottom coil anomalies centered near grid coordinates X=23 Y=347 and X=47 Y=370 are probably in response to a storm sewer manhole cover and several water meter covers. The remaining portions of the survey area did not record EM61 bottom coil anomalies.

All of the EM61 differential anomalies recorded at Parcel 119 are probably in response to the road signs and manhole cover. Due to the absence of additional differential anomalies, ground penetrating radar surveys were not conducted at this site and the EM61 results suggest that the surveyed portion of the site does not contain metallic USTs.

4.0 SUMMARY & CONCLUSIONS

Our evaluation of the EM61 data collected across the proposed ROW area of the Triad Holding Company, LLC property (Parcel 119) provides the following summary and conclusions:

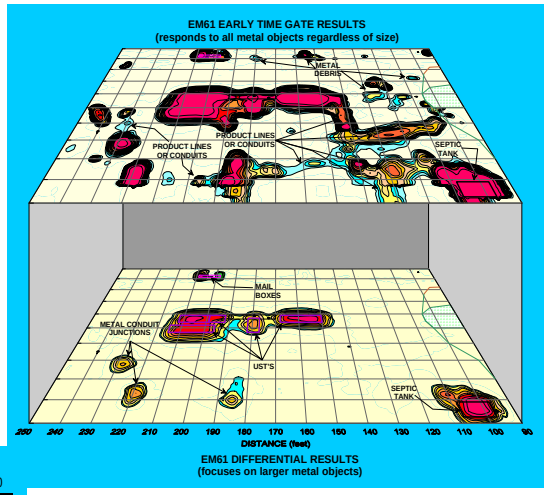
- The EM61 surveys provided reliable results for the detection of metallic USTs within the surveyed portion of the site.

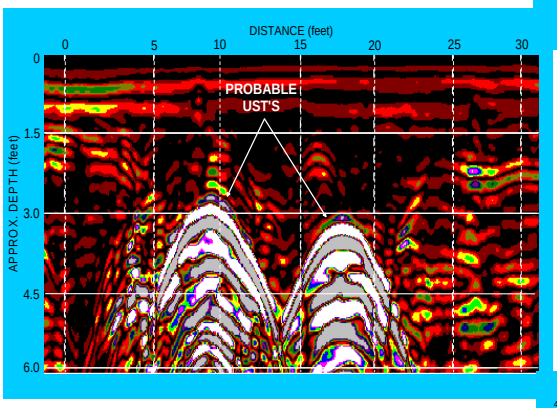
- The linear, EM61 bottom coil anomaly intersecting grid coordinates X=45 Y=40 and the bottom coil anomalies intersecting grid coordinates X=37 Y=180 and X=40 Y=360 are probably in response to metallic culverts or conduits that run parallel to Union Cross Road.

- The remaining EM61 anomalies are probably in response to known objects such as road signs, water meter covers and a manhole cover. Therefore, the EM61 survey suggests that the proposed ROW area does not contain buried metallic USTs.

5.0 LIMITATIONS

EM61 surveys have been performed and this report prepared for AECOM Environment in accordance with generally accepted guidelines for EM61surveys. It is generally recognized that the results of the EM61 are non-unique and may not represent actual subsurface conditions. The EM61 results obtained for this project have not conclusively determine that the surveyed portion of the site does not contain buried metallic USTs, but that none were detected.

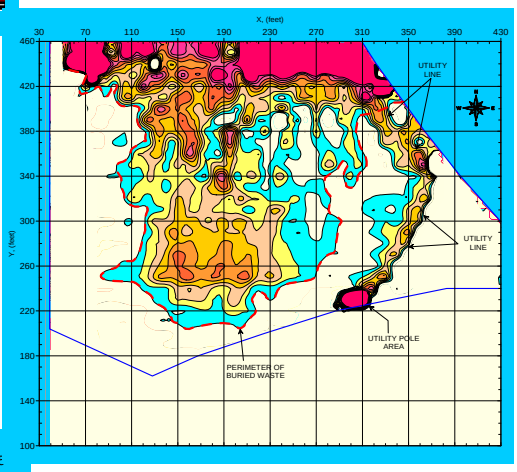


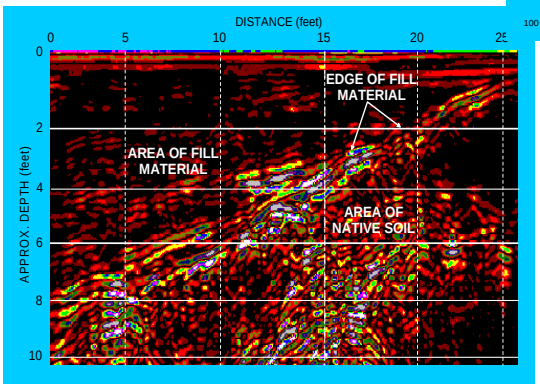


FIGURES

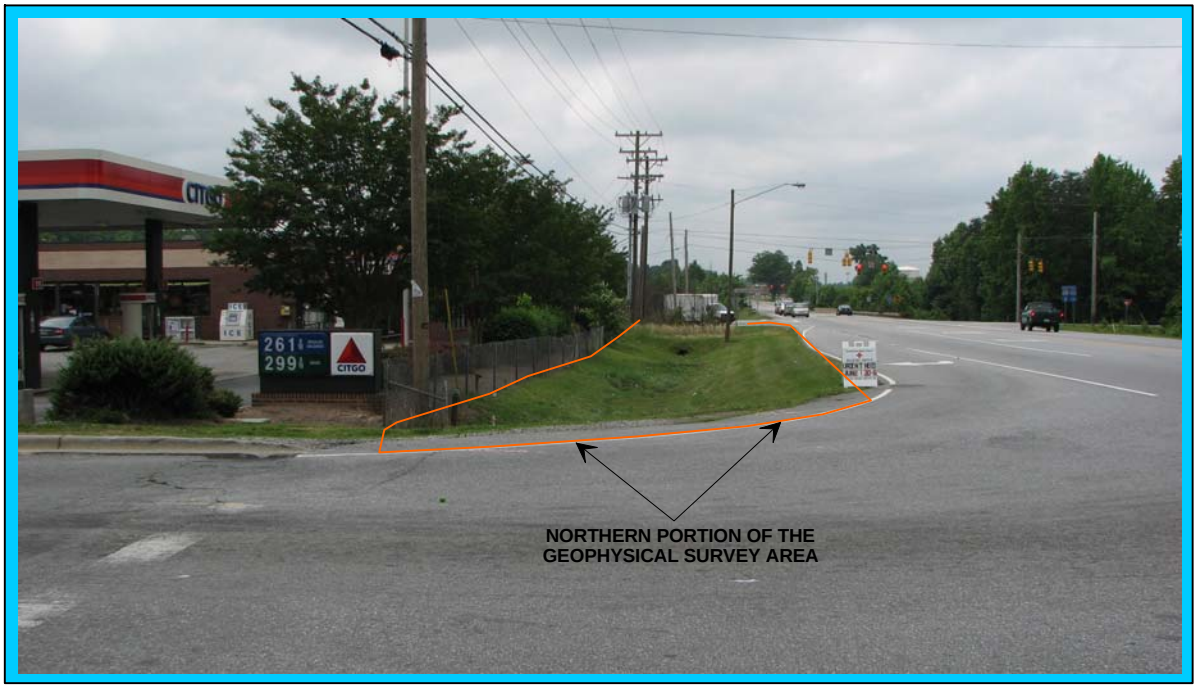
(on the following pages)

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 Right-of-Way portion of Parcel 119 on May 13, 2010.



The orange polyline in the photograph shows the perimeter of the northern portion of the geophysical survey area at Parcel 119 located at the intersection of I-40 and Union Cross Road in Forsyth County, North Carolina. The photograph is viewed in a southerly direction.

PYRAMID
ENVIRONMENTAL & ENGINEERING, P.C.

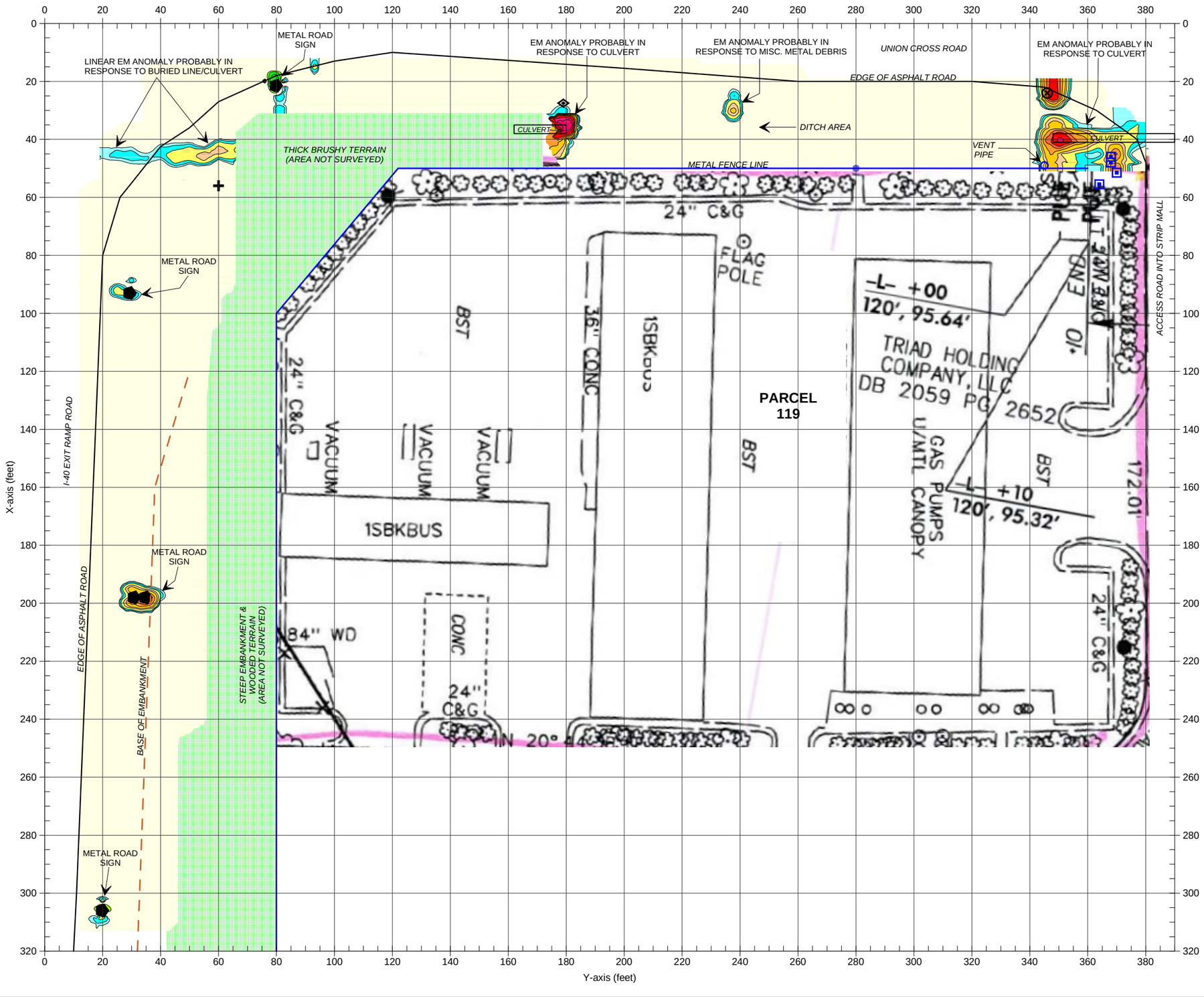
CLIENT	AECOM ENVIRONMENT	DATE	05/26/10	DRWN	MJD
SITE	TRIAD HOLDING COMPANY PROPERTY (PARCEL 119)	LAY		CHKD	
CITY	FORSYTH COUNTY	STATE	NORTH CAROLINA	DWG	
TITLE	GEOPHYSICAL RESULTS	JNO	2010-109	FIGURE	

GEOPHYSICAL EQUIPMENT
& SITE PHOTOGRAPHS

FIGURE 1

EM61 METAL DETECTION (BOTTOM COIL RESULTS)

FIGURE 2



APPROXIMATE NORTH

LEGEND

- SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART
- WOODED & BRUSHY TERRAIN
- DRAIN PIPE
- GUY WIRE
- METAL UTILITY/STORM SEWER COVER
- ROAD SIGN
- STORM SEWER GRATE
- UTILITY POLE
- VENT PIPE
- WATER METER BOX

EM61 BOTTOM COIL RESPONSE (MILLIVOLTS)

-5000 -400 -200 -100 -90 -85 -80 -75 -100 -150 -200 -300 -400 -500 -750 -1000

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 13, 2010 using a Geonics EM61 instrument. Due to an absence of EM61 differential anomalies, ground penetrating radar (GPR) surveys were not conducted at this site.

The geophysical investigation suggests that the surveyed portions of Parcel 119 does not contain metallic USTs.

GRAPHIC SCALE IN FEET

DRWN	CHKD		FIGURE
MJD			
DATE	LAY	DWG	J-NO.
05/26/10			2010-109

CLIENT	SITE	CITY	STATE	TITLE
AECOM ENVIRONMENT	TRIAD HOLDING COMPANY, LLC PROPERTY (PARCEL 119)	FORSYTH COUNTY	NORTH CAROLINA	GEOPHYSICAL RESULTS

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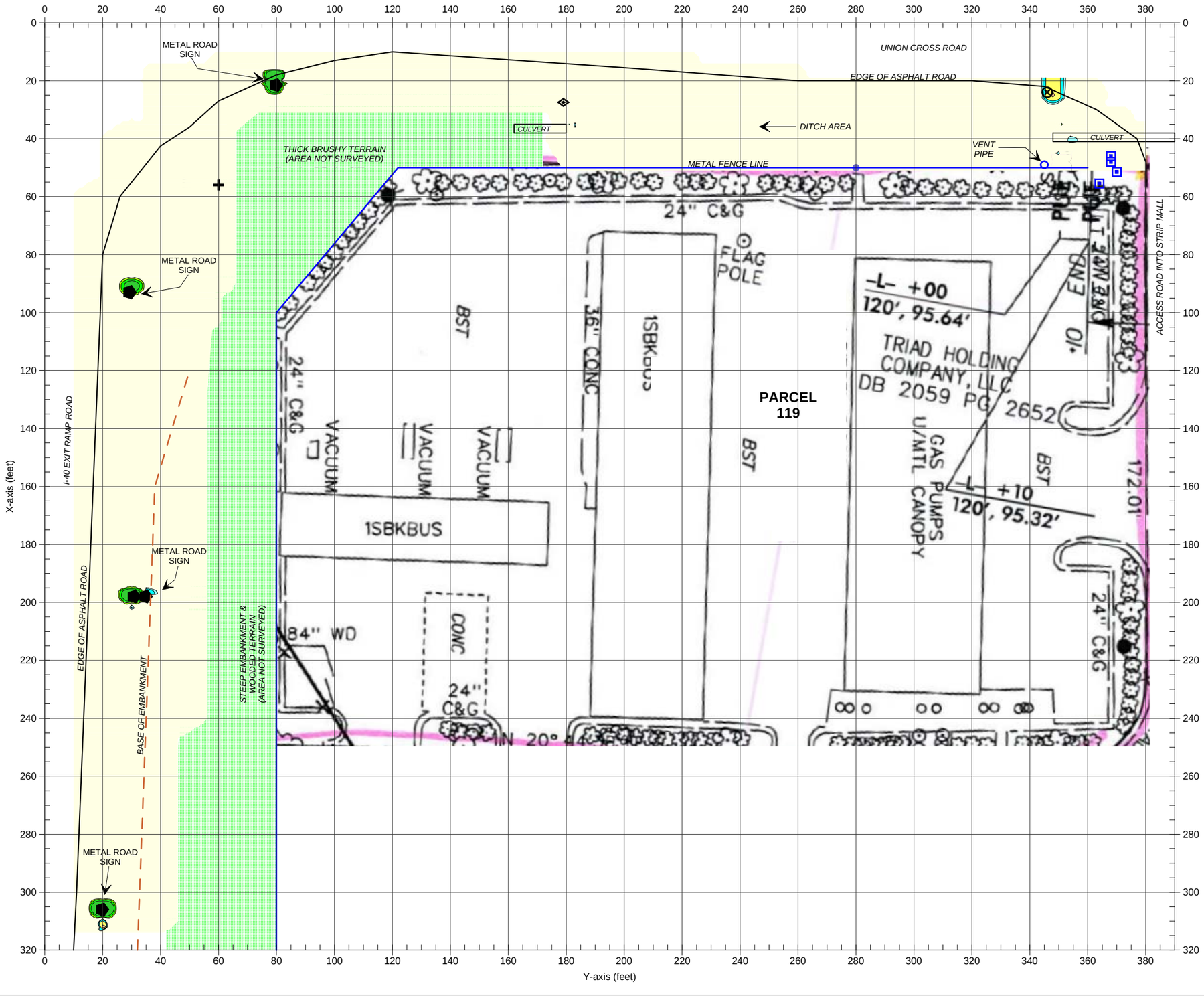
EM61 METAL DETECTION (DIFFERENTIAL RESULTS)

FIGURE 3



APPROXIMATE NORTH

LEGEND

- SURVEY AREA: EM61 DATA ACQUIRED ALONG X-AXIS OR Y-AXIS TRENDING LINES SPACED 5 FEET APART
- WOODED & BRUSHY TERRAIN
- DRAIN PIPE
- GUY WIRE
- METAL UTILITY/STORM SEWER COVER
- ROAD SIGN
- STORM SEWER GRATE
- UTILITY POLE
- VENT PIPE
- WATER METER BOX

EM61 DIFFERENTIAL RESPONSE (MILLIVOLTS)

-5000 -400 -200 -100 -80 -55 -60 -75 -100 -150 -200 -300 -400 -500 -750 -1000

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 13, 2010 using a Geonics EM61 instrument. Due to an absence of EM61 differential anomalies, ground penetrating radar (GPR) surveys were not conducted at this site.

The geophysical investigation suggests that the surveyed portions of Parcel 119 does not contain metallic USTs.

GRAPHIC SCALE IN FEET

DRWN	CHKD		FIGURE
MJD			
DATE	LAY	DWG	J.-NO.
05/26/10			2010-109

CLIENT	SITE	CITY	STATE	TITLE
AECOM ENVIRONMENT	TRIAD HOLDING COMPANY, LLC PROPERTY (PARCEL 119)	FORSYTH COUNTY	NORTH CAROLINA	GEOPHYSICAL RESULTS

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ENVIRONMENTAL & ENGINEERING, P.C.

ATTACHMENT B

TEST BORING REPORT

PROJECT TRIAD HOLDING COMPANY PROPERTY (PARCEL 119)
CLIENT NCDOT (WBS 40278.1.1)
PROJECT NUMBER 60155373 (U-4909)
CONTRACTOR AED
EQUIPMENT GEOPROBE

BORING NUMBER TH-1
PAGE 1
ELEVATION
DATE 5/26/2010
DRILLER KELLY
PREPARED BY BRANSON

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
			2.62		MEDIUM TO REDDISH BROWN SILT/CLAY, DRY, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
			2.19		AS ABOVE, DRY, NO ODOR.
			2.27		AS ABOVE, DRY, NO ODOR.
5.0					
			2.34		AS ABOVE, DRY, NO ODOR.
			2.17		AS ABOVE, DRY, NO ODOR.
10.0					
			1.52		AS ABOVE TO 11 FEET. BECOMES MOTTLED PINK AND WHITE MEDIUM-GRAINED SAND, DRY, NO ODOR.
			1.67		AS ABOVE, DRY, NO ODOR.
			1.31		AS ABOVE, DRY, NO ODOR.
15.0					
					BORING TERMINATED AT 15 FEET. NO GROUNDWATER ENCOUNTERED.
20.0					

AECOM

TEST BORING REPORT

PROJECT TRIAD HOLDING COMPANY PROPERTY (PARCEL 119)
CLIENT NCDOT (WBS 40278.1.1)
PROJECT NUMBER 60155373 (U-4909)
CONTRACTOR AED
EQUIPMENT GEOPROBE

BORING NUMBER TH-2
PAGE 1
ELEVATION
DATE 5/26/2010
DRILLER KELLY
PREPARED BY BRANSON

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
			2.74		MEDIUM TO REDDISH BROWN SILT/CLAY, DRY, NO ODOR.
			2.97		AS ABOVE, DRY, NO ODOR.
5.0			2.73		AS ABOVE, DRY, NO ODOR.
			2.80		AS ABOVE, DRY, NO ODOR.
			2.51		MOTTLED PINK AND WHITE MEDIUM-GRAINED SAND, DRY, NO ODOR.
10.0			2.37		AS ABOVE, DRY, NO ODOR.
			3.13		AS ABOVE, DRY, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
15.0			2.80		AS ABOVE, DRY, NO ODOR.
					BORING TERMINATED AT 15 FEET. NO GROUNDWATER ENCOUNTERED.
20.0					

AECOM

TEST BORING REPORT

PROJECT TRIAD HOLDING COMPANY PROPERTY (PARCEL 119)
CLIENT NCDOT (WBS 40278.1.1)
PROJECT NUMBER 60155373 (U-4909)
CONTRACTOR AED
EQUIPMENT GEOPROBE

BORING NUMBER TH-3
PAGE 1
ELEVATION
DATE 5/26/2010
DRILLER KELLY
PREPARED BY BRANSON

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
			1.85		2" TOPSOIL, MEDIUM TO REDDISH BROWN SILT/CLAY, DRY, NO ODOR.
			1.72		AS ABOVE, DRY, NO ODOR.
			2.53		AS ABOVE, DRY, NO ODOR.
5.0					
			2.97		AS ABOVE, DRY, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
			2.20		AS ABOVE, DRY, NO ODOR.
10.0					
			2.44		AS ABOVE, DRY, NO ODOR.
			2.62		AS ABOVE, DRY, NO ODOR.
			1.96		AS ABOVE, DRY, NO ODOR.
15.0					
					BORING TERMINATED AT 15 FEET. NO GROUNDWATER ENCOUNTERED.
20.0					

AECOM

TEST BORING REPORT

PROJECT TRIAD HOLDING COMPANY PROPERTY (PARCEL 119)
CLIENT NCDOT (WBS 40278.1.1)
PROJECT NUMBER 60155373 (U-4909)
CONTRACTOR AED
EQUIPMENT GEOPROBE

BORING NUMBER TH-4
PAGE 1
ELEVATION
DATE 5/26/2010
DRILLER KELLY
PREPARED BY BRANSON

DEPTH IN FEET	CASING BLOWS FOOT	BLOWS PER 6 INCHES	OVA (ppm)	SAMPLE DEPTH RANGE	FIELD CLASSIFICATION AND REMARKS
			2.21		2" TOPSOIL, MEDIUM TO REDDISH BROWN SILT/CLAY, DRY, NO ODOR.
			3.06		AS ABOVE, DRY, NO ODOR. SUBMIT TO LABORATORY FOR ANALYSIS.
			2.92		AS ABOVE, DRY, NO ODOR.
5.0					
			1.58		AS ABOVE, DRY, NO ODOR.
			2.06		AS ABOVE, DRY, NO ODOR.
10.0			2.16		AS ABOVE, DRY, NO ODOR.
			3.04		MOTTLED MEDIUM BROWN AND TAN SILT/SAND, DRY, NO ODOR.
			3.00		AS ABOVE, DRY, NO ODOR.
15.0					BORING TERMINATED AT 15 FEET. NO GROUNDWATER ENCOUNTERED.
20.0					

AECOM

ATTACHMENT C

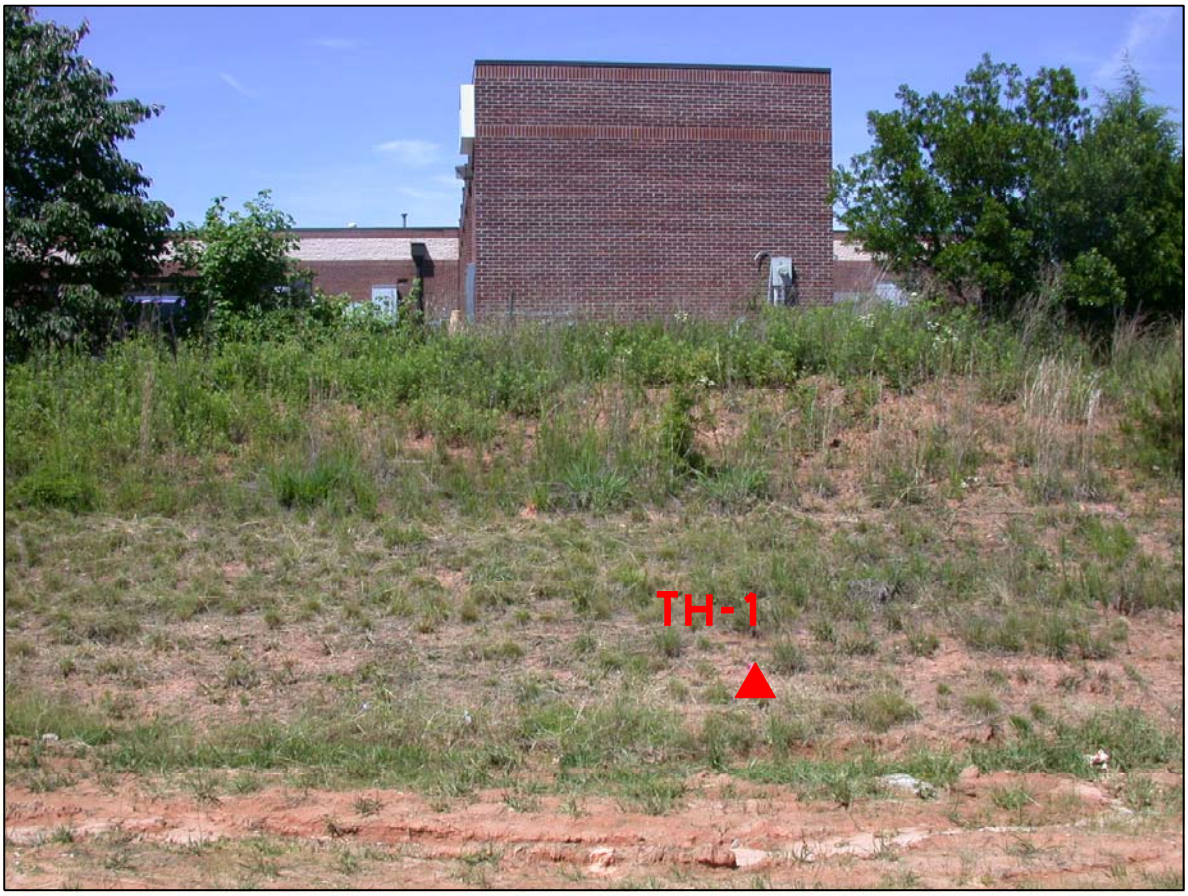

PHOTO 1 - BORING IN R/W LOOKING NORTHEAST

PHOTO 2 - BORING IN R/W LOOKING NORTHEAST

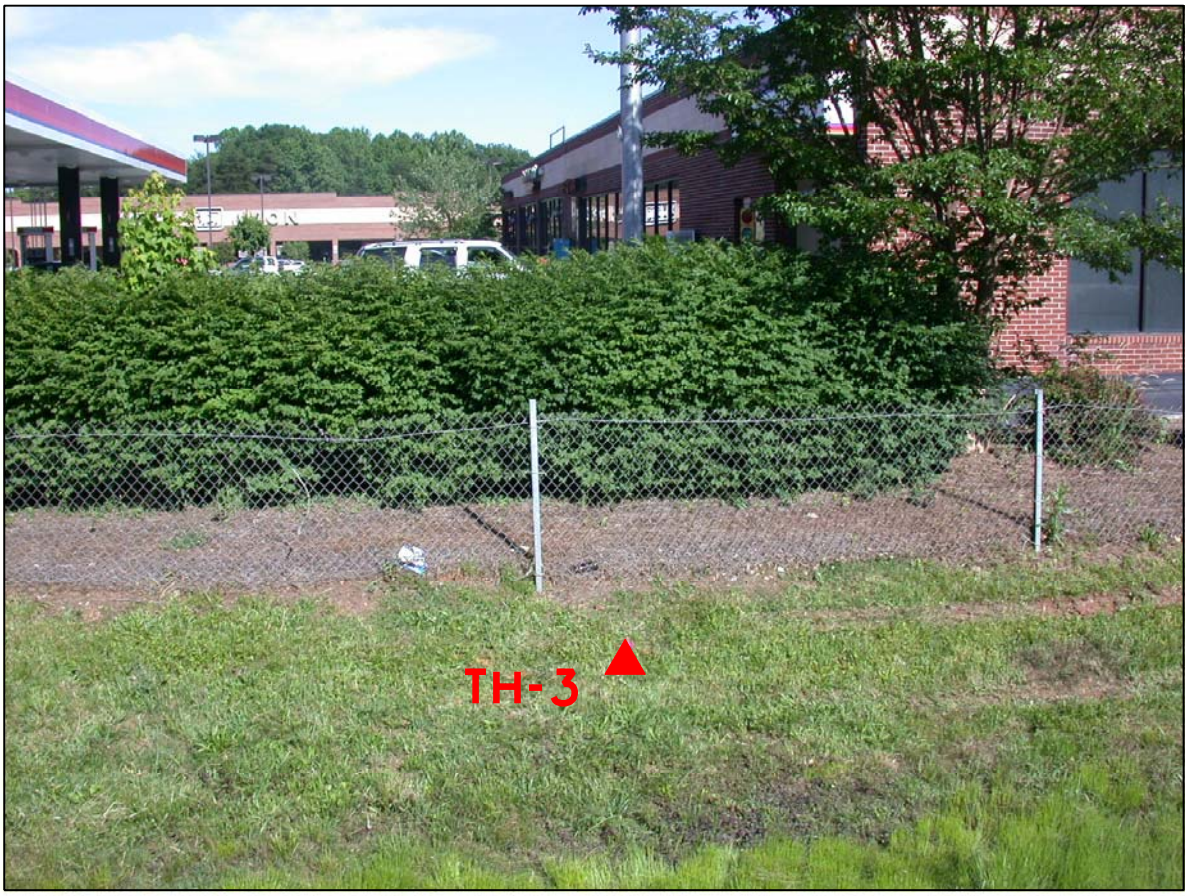

PHOTO 3 - BORING WITHIN R/W LOOKING EAST

PHOTO 4 - BORING WITHIN PROPOSED R/W LOOKING EAST

ATTACHMENT D

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions

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

Case Narrative

06/14/2010

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

Project: NCDOT - Triad Holding Co.
Project No.: WBS#40278.1.1
Lab Submittal Date: 05/28/2010
Prism Work Order: 0050750

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.

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

Sample Receipt Summary

06/14/2010

Prism Work Order: 0050750

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
TH-1	0050750-01	Solid	05/26/10	05/28/10
TH-2	0050750-02	Solid	05/26/10	05/28/10
TH-3	0050750-03	Solid	05/26/10	05/28/10
TH-4	0050750-04	Solid	05/26/10	05/28/10

Samples received in good condition at 5.8 degrees C unless otherwise noted.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

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

Project: NCDOT - Triad Holding Co.

Project No.: WBS#40278.1.1
Sample Matrix: Solid

Client Sample ID: TH-1
Prism Sample ID: 0050750-01
Prism Work Order: 0050750
Time Collected: 05/26/10 15:30
Time Submitted: 05/28/10 08:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	9.0	1.5	1	*8015C	6/5/10 4:19	JMV	P0F0102
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			*87 %*		*49-124*	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	5.4	0.70	50	*8015C	6/3/10 20:11	HPE	P0F0072
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			*106 %*		*55-129*	
General Chemistry Parameters									
% Solids	**77.8**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**6/2/10 18:00**	**PJF**	**P0F0067**

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

Project: NCDOT - Triad Holding Co.

Project No.: WBS#40278.1.1
Sample Matrix: Solid

Client Sample ID: TH-2
Prism Sample ID: 0050750-02
Prism Work Order: 0050750
Time Collected: 05/26/10 15:45
Time Submitted: 05/28/10 08:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	8.1	1.3	1	*8015C	6/5/10 4:55	JMV	P0F0102
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			*92 %*		*49-124*	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	5.5	0.72	50	*8015C	6/3/10 20:43	HPE	P0F0072
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			*100 %*		*55-129*	
General Chemistry Parameters									
% Solids	**86.6**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**6/2/10 18:00**	**PJF**	**P0F0067**

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

Project: NCDOT - Triad Holding Co.

Project No.: WBS#40278.1.1
Sample Matrix: Solid

Client Sample ID: TH-3
Prism Sample ID: 0050750-03
Prism Work Order: 0050750
Time Collected: 05/26/10 16:10
Time Submitted: 05/28/10 08:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	9.6	1.5	1	*8015C	6/5/10 5:30	JMV	P0F0102
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			*86 %*		*49-124*	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	5.0	0.65	50	*8015C	6/3/10 21:14	HPE	P0F0072
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			*103 %*		*55-129*	
General Chemistry Parameters									
% Solids	**73.0**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**6/2/10 18:00**	**PJF**	**P0F0067**

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

Project: NCDOT - Triad Holding Co.

Project No.: WBS#40278.1.1
Sample Matrix: Solid

Client Sample ID: TH-4
Prism Sample ID: 0050750-04
Prism Work Order: 0050750
Time Collected: 05/26/10 16:40
Time Submitted: 05/28/10 08:15

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	10	1.6	1	*8015C	6/5/10 6:05	JMV	P0F0102
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			*77 %*		*49-124*	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	5.7	0.75	50	*8015C	6/3/10 22:49	HPE	P0F0072
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			*111 %*		*55-129*	
General Chemistry Parameters									
% Solids	**69.6**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**6/2/10 18:00**	**PJF**	**P0F0067**

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

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

Project: NCDOT - Triad Holding Co.

Project No: WBS#40278.1.1

Prism Work Order: 0050750
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
Batch P0F0072 - 5035										
Blank (P0F0072-BLK1)				Prepared & Analyzed: 06/03/10						
Gasoline Range Organics	BRL	5.0	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	*5.05*		*mg/kg wet*	*5.00*		*101*	*55-129*			
LCS (P0F0072-BS1)				Prepared & Analyzed: 06/03/10						
Gasoline Range Organics	45.8	5.0	mg/kg wet	50.0		92	67-116			
Surrogate: a,a,a-Trifluorotoluene	*5.55*		*mg/kg wet*	*5.00*		*111*	*55-129*			
LCS Dup (P0F0072-BSD1)				Prepared & Analyzed: 06/03/10						
Gasoline Range Organics	46.2	5.0	mg/kg wet	50.0		92	67-116	1	200	
Surrogate: a,a,a-Trifluorotoluene	*5.50*		*mg/kg wet*	*5.00*		*110*	*55-129*			

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

Project: NCDOT - Triad Holding Co.

Project No: WBS#40278.1.1

Prism Work Order: 0050750
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
Batch P0F0102 - 3545A										
Blank (P0F0102-BLK1)				Prepared: 06/03/10 Analyzed: 06/04/10						
Diesel Range Organics	BRL	7.0	mg/kg wet							
Surrogate: o-Terphenyl	*1.25*		*mg/kg wet*	*1.60*		*78*	*49-124*			
LCS (P0F0102-BS1)				Prepared: 06/03/10 Analyzed: 06/04/10						
Diesel Range Organics	60.1	7.0	mg/kg wet	79.9		75	55-109			
Surrogate: o-Terphenyl	*1.66*		*mg/kg wet*	*1.60*		*104*	*49-124*			
LCS Dup (P0F0102-BSD1)				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: o-Terphenyl	*1.98*		*mg/kg wet*	*1.60*		*124*	*49-124*			
Matrix Spike (P0F0102-MS1)	**Source: 0050750-02**			Prepared: 06/03/10 Analyzed: 06/04/10						
Diesel Range Organics	80.9	8.1	mg/kg dry	92.3	BRL	88	50-117			
Surrogate: o-Terphenyl	*2.27*		*mg/kg dry*	*1.85*		*123*	*49-124*			
Matrix Spike Dup (P0F0102-MSD1)	**Source: 0050750-02**			Prepared: 06/03/10 Analyzed: 06/04/10						
Diesel Range Organics	76.3	8.1	mg/kg dry	92.3	BRL	83	50-117	6	24	
Surrogate: o-Terphenyl	*2.26*		*mg/kg dry*	*1.85*		*122*	*49-124*			

Sample Extraction Data

Prep Method: 3545A

Lab Number	Batch	Initial	Final	Date
0050750-01	P0F0102	24.99 g	1 mL	06/03/10
0050750-02	P0F0102	25.05 g	1 mL	06/03/10
0050750-03	P0F0102	25.1 g	1 mL	06/03/10
0050750-04	P0F0102	24.99 g	1 mL	06/03/10

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date
0050750-01	P0F0072	6 g	5 mL	06/03/10
0050750-02	P0F0072	5.24 g	5 mL	06/03/10
0050750-03	P0F0072	6.89 g	5 mL	06/03/10
0050750-04	P0F0072	6.26 g	5 mL	06/03/10

NO PREP

Lab Number	Batch	Initial	Final	Date
0050750-01	P0F0067	30 g	30 mL	06/02/10
0050750-02	P0F0067	30 g	30 mL	06/02/10
0050750-03	P0F0067	30 g	30 mL	06/02/10
0050750-04	P0F0067	30 g	30 mL	06/02/10

CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

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Phone: 704/529-6364 • Fax: 704/525-0409

PAGE ___ OF ___ QUOTE # TO ENSURE PROPER BILLING: ___

Client Company Name: AECOM
Report To/Contact Name: Mike Branson
Reporting Address: 701 Corporate Center Dr Suite 475 Raleigh NC 27607
Phone: 9198546238 Fax (Yes) (No): 9198546259
Email (Yes) (No) Email Address: Mike.Branson@AECOM.com
EDD Type: PDF X Excel ___ Other ___
Site Location Name: TRIAD Holding Co.
Site Location Physical Address: Kernersville

Project Name: NCDOT - TRIAD Holding Co.
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: NCDOT
Address: ___

Purchase Order No./Billing Reference: WBS# 40578.1.1
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 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? 5.8	✓		
Received ON WET ICE? Temp	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?			✓
PROPER CONTAINERS used?	✓		

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

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSES REQUESTED DRO	GRO					REMARKS	PRISM LAB ID NO.
TH-1	5/26/10	1530	Soil	CG	4	4/VOA	MeOH	✓	✓					402, 207	01
TH-2	5/26/10	1545	Soil	CG	4	4/VOA	MeOH	✓	✓						02
TH-3	5/26/10	1610	Soil	CG	4	4/VOA	MeOH	✓	✓						03
TH-4	5/26/10	1640	Soil	CG	4	4/VOA	MeOH	✓	✓						04

PRESS DOWN FIRMLY - 3 COPIES

Sampler's Signature: MBranson | Sampled By (Print Name): M. Branson | Affiliation: AECOM

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.

		Date	Military/Hours
Relinquished By: (Signature) MBranson	Received By: (Signature) Georgia Lasseter	052710	1100
Relinquished By: (Signature) Georgia Lasseter	Received By: (Signature) [illegible]	5/27/10	1230
Relinquished By: (Signature) [illegible] 5/28/10 815	Received For Prism Laboratories By: [illegible]	5/28/10	815

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.
☐ Fed Ex ☐ UPS ☐ Hand-delivered ☒ Prism Field Service ☐ Other ___

QOC Group No. 050750

Additional Comments: INVOICE NCDOT UNDER BLANKET PO

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

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC ☐ ___	☒ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ 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)

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL