Prepared for:

North Carolina Department of Transportation

Geotechnical Engineering Unit
GeoEnvironmental Section
1589 Mail Service Center
Raleigh, North Carolina 27699-1589

Preliminary Site Assessment Report

Bishop Partners Property (Golden Corral)
Parcel # 49
921 N Wesleyan Blvd (aka 921 S Wesleyan Blvd)
Rocky Mount, Nash County, North Carolina
Rocky Mounty –US 301 Bypass from NC 43-48 (Benvenue Rd.) to SR 1836
TIP Number: U-3330
WBS Element: 36596.1.1

APEX

10610 Metromont Parkway, Suite 206
Charlotte, North Carolina 28269

October 2, 2015

Prepared for:

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APEX

10610 Metromont Parkway, Suite 206
Charlotte, North Carolina 28269

Prepared by:

Troy L. Holzschuh
Assistant Project Manager

Reviewed by:

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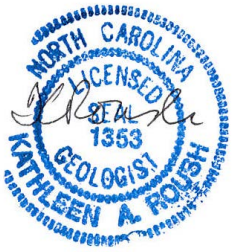
Division Manager
NC Geologist License No. 1353



October 2, 2015

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1.0 INTRODUCTION

This report presents the results of a Preliminary Site Assessment (PSA) for the North Carolina Department of Transportation (NCDOT) Parcel 49 performed by Apex Companies, LLC (Apex) on behalf of the NCDOT. The subject site of this PSA report is to be affected by the realignment of N Wesleyan Blvd. The Site is located on 921 N Wesleyan Blvd. and is identified as Parcel 49, Bishop Partners Property (Golden Corral), within the NCDOT U-3330 design project. The property is located on the eastern side of N Wesleyan Blvd., as shown in the Vicinity Map, **Figure 1**. This is in Rocky Mount of Nash County, North Carolina. The investigation was conducted in accordance with Apex Company's Technical and Cost proposal dated May 28, 2015.

NCDOT contracted Apex to perform the PSA within the proposed right-of-way (ROW) and/or easement due to the potential presence of contamination at the site and the fact that excavation and grading may occur within the area. The PSA was performed to evaluate if soils have been impacted as a result of past and present uses of the property within the proposed investigation area, if buried underground storage tanks (USTs) are present in the area of investigation, and if groundwater is impacted.

The following report summarizes a geophysical survey in the investigation area, and describes the subsurface field investigation at the site. The report includes the evaluation of field screening, as well as field analyses with regards to the presence or absence of soil contamination within the area of investigation across Parcel 49. **Appendix A** includes a Photograph log for the site.

1.1 Site History

Parcel 49 operates as Golden Corral, formerly Webb Fiberglass SPT, Inc. The North Carolina Department of Environment and Natural Resources (NCDENR) UST Database registry lists one 250 gallon capacity gasoline/gasoline mix steel tank for the subject parcel. The UST was installed January 1, 1964. Its Facility ID is 0-003144. The UST was permanently closed and removed from the site on December 31, 1991.

Apex personnel studied the NCDENR database for Incident Management and Registered Facilities and no incidents are associated with this property.

1.2 Site Description

The site is located in a commercial area of Rocky Mount in Nash County. The Golden Corral is a single story brick and wood siding building and is located in the central portion of the parcel.

The majority of the parcel is asphalt, however, the investigation area which parallels N Wesleyan Blvd is predominantly grass. The northern edge of the property is bordered by N Wesleyan Blvd with Alliance Mazada and Kia across the street. The eastern edge of the parcel is bordered by Bobby Murray Chevrolet. Chili's Bar and Grill is borders the property to the southwest and Arby's borders the property to the northwest.

The geophysical surveyor, Taylor Wiseman and Taylor, did not identify possible USTs or tanks within the area of investigation.

2.0 GEOLOGY

2.1 Regional Geology

The site is located within the Eastern Slate Belt. This belt contains slightly metamorphosed volcanic and sedimentary rocks similar to those in the Carolina Slate Belt. The rocks are poorly exposed and partially covered by Coastal Plain sediments. The metamorphic rocks, 500-600 million years old, are intruded by younger, approximately 300 million year old, granitic bodies. Gold was once mined in the belt, and small occurrences of molybdenite, an ore of molybdenum, have been prospected here. Crushed stone, clay, sand and gravel are currently mined in this belt.

2.2 Site Geology

Site geology was observed through the drilling and sampling of six direct push probe soil borings onsite. **Figure 2** presents the boring locations and site layout. Borings did not exceed a total depth of ten feet below ground surface (bgs) since that depth was the maximum excavation depth for proposed drainage features. Soil consisting predominantly of tan to an orange and tan marbled clayey silt was observed across the parcel. Soil displayed varying degrees of moisture. Groundwater was not encountered during the assessment of this parcel. Boring logs are presented in **Appendix B**.

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 (HASP) was modified to include the site-specific health and safety information necessary for the field activities. North Carolina-One-Call was contacted on July 15, 2015 to report the proposed drilling activities and

subsequently notify all affected utilities for the parcel. Apex subcontracted Taylor Wiseman & Taylor (TWT) to locate subsurface utilities and other subsurface drilling hazards as well as to perform a geophysical survey. Regional Probing Services of Wake Forest, North Carolina was retained by Apex to perform the direct push sampling for soil borings. QROS was contacted for acquisition of a rented UVF Hydrocarbon Analyzer and Eastern Solutions was contacted for rental of a Photoionization Detector (PID). Boring locations were strategically placed in a pattern within the area of investigation to maximize the opportunity to encounter potentially contaminated soil.

3.2 Site Reconnaissance

Apex personnel performed a site reconnaissance on July 24, 2015. During the site reconnaissance, the area was visually examined for the presence of USTs and/or areas/obstructions that could potentially affect the subsurface investigation. The number and placement of boring locations were developed prior to boring activity which began on July 27, 2015. Apex personnel also used the site visit as an opportunity to contact the property manager/owner to inform them of upcoming field activities.

3.3 Geophysics Survey Results

The geophysical survey of the site occurred the week of July 13th, 2015. TWT performed an electromagnetic (EM) survey followed by ground penetrating radar (GPR) survey. Their Geophysical Report is presented in **Appendix C**. No unknown EM features were identified.

3.4 Well Survey

Apex personnel did not observe water supply wells or monitoring wells within the investigation area.

3.5 Soil Sampling

Apex conducted drilling activities at the site on July 27, 2015. Apex drilling subcontractor Regional Probing Services advanced six direct push soil borings within the proposed expanded NCDOT ROW. These six boring locations were placed in a pattern to maximize the likelihood of intercepting potential soil contamination. **Figure 2** presents the Site Map with boring locations and identifications.

The purpose of soil sampling was to determine if a petroleum release has occurred within the ROW and/or easement of the parcel, and if so, to estimate the volume of impacted soil that might require special handling during construction activities.

Soil sampling was performed utilizing direct push methods accompanied by field screening and onsite quantitative analyses. Apex conducted field screening of the soil borings utilizing a photoionization detector (PID) that was used to screen recovered soil. One to two intervals of the soil boring, possibly exhibiting elevated PID readings, were selected for onsite quantitative analysis of total petroleum hydrocarbons (TPH) in soil via ultraviolet fluorescence (UVF) utilizing a QROS-QED Hydrocarbon Analyzer. The analysis was performed onsite by Troy Holzschuh, a certified QED UVF technician with Apex. The UVF results were generated concurrent with soil boring activities so that real-time decision making could be utilized for strategic boring placement.

4.0 SAMPLING RESULTS

4.1 Soil Sampling Results

Based on PID field screening and onsite UVF hydrocarbon analysis from the July 2015 soil sampling there is no evidence of petroleum hydrocarbon contamination onsite, within the area of investigation. Elevated PID readings, above ten parts per million, were not observed in the six borings conducted at the site. The PID readings were non-detectable. The PID field screening results are provided on the boring logs in **Appendix B**.

Soil concentrations of TPH gasoline range organics (GRO) and diesel range organics (DRO) measured using the onsite UVF unit are presented in **Table 1**, with instrument generated tables and chromatographs in **Appendix D**. **Figure 3** presents the GRO and DRO results at each boring.

Based on the UVF analyses, GRO was not detected above the instrument reporting limits. DRO concentrations were identified on Parcel 49, however the concentrations do not exceed the regulatory action level of 10 milligram per kilogram (mg/kg).

5.0 CONCLUSIONS

Based on site observations and onsite UVF analysis, petroleum-impacted soil contamination was not identified on this parcel.

The following bulleted summary is based upon Apex's evaluation of field observations and onsite quantitative analyses of samples collected from the Site on July 27th, 2015.

- Results of the geophysical survey produced no evidence of a possible UST.

- Six soil borings were performed and soil samples were collected from each boring. The analyzed samples were generally collected from one foot intervals at the midsection and deepest section of the boring. Each sample was analyzed via UVF in the field utilizing a QROS QED Hydrocarbon Analyzer.

- All GRO values were either non detectable or below the NCDENR Action level of 10 mg/kg.

- All DRO values were either non detectable or below the NCDENR Action level of 10 mg/kg.

6.0 RECOMMENDATIONS

Based on these PSA results, Apex does not recommend further assessment or soil sampling in the area of investigation.

TABLES

Table 1
UVF Onsite Hydrocarbon Analytical Soil Data from July 2015
U-3330, Parcel 49, Bishop Partners Property (Golden Corral)
Rocky Mount, North Carolina

Sample ID Number	Sample Date	Sample Depth (ft bgs)	GRO (mg/kg) (C5-C10)	DRO(mg/kg) (C10-C35)
P49-B1	7/27/2015	4 to 5	<0.62	<0.25
P49-B1	7/27/2015	9 to 10	<0.64	0.25
P49-B2	7/27/2015	4 to 5	<0.65	<0.26
P49-B2	7/27/2015	9 to 10	<0.78	0.31
P49-B3	7/27/2015	4 to 5	<0.74	<0.3
P49-B3	7/27/2015	9 to 10	<0.63	<0.25
P49-B4	7/27/2015	4 to 5	<0.69	<0.28
P49-B4	7/27/2015	9 to 10	<0.58	<0.23
P49-B5	7/27/2015	4 to 5	<0.64	0.26
P49-B5	7/27/2015	9 to 10	<0.59	<0.23
P49-B6	7/27/2015	4 to 5	<0.71	0.28
P49-B6	7/27/2015	9 to 10	<0.52	0.21

NOTES:
(mg/kg) = Millograms per kilogram
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ft bgs = feet below ground surface
Bold Concentrations indicate an exceedance of NCDENR Action Level of 10 mg/Kg

FIGURES

Figure 1
Site Location Map

Parcel #49
Former Webb Fiberglass & Sports
921 S. Wesleyan Blvd.
Rocky Mount, North Carolina

USGS, National Geospatial Program
1) Topographic Map, Rocky Mount, NC, 7.5 Minute
Year: 2013
2) Orthoimagery, USGS EROS Ortho 1 Foot
Year: 2011

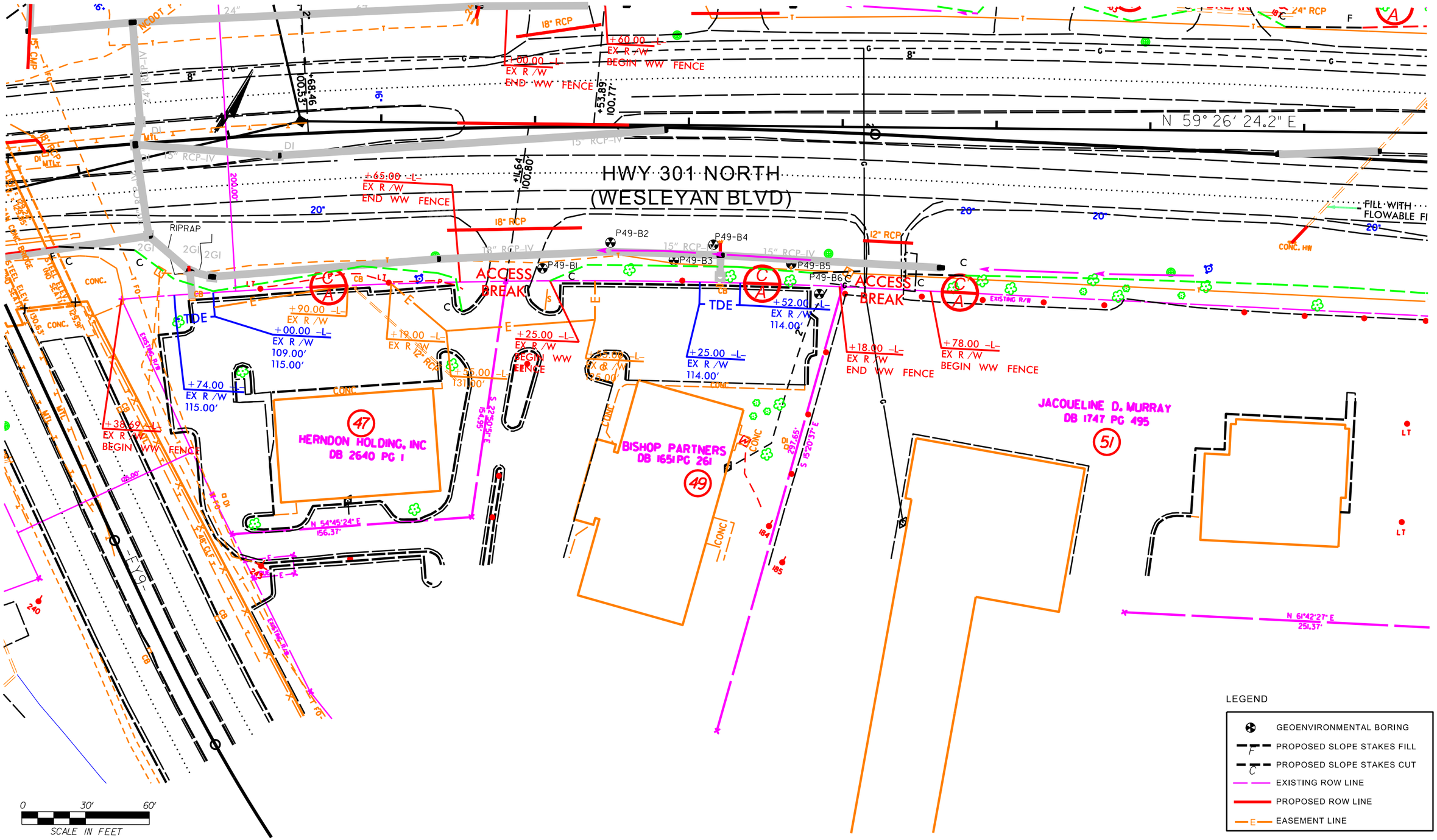
APEX

10610 Metromont Parkway, Suite 206
Charlotte, NC
Telephone: (704) 799-6390

Project:
NCDOT – Nash Co.

Apex Job #: 510424-001

Date: August, 2015



LEGEND

- GEOENVIRONMENTAL BORING
- PROPOSED SLOPE STAKES FILL
- PROPOSED SLOPE STAKES CUT
- EXISTING ROW LINE
- PROPOSED ROW LINE
- EASEMENT LINE

APEX COMPANIES, LLC
10610 METROMONT PARKWAY
SUITE 206
CHARLOTTE, NC 28117
PHONE: (704) 799-6390

FIGURE 2
PARCEL 49
SITE MAP WITH
SOIL BORING LOCATIONS

Date: 8/1/15	MONTGOMERY WARD 1 TARRYTOWN MALL AKA 2320 SUNSET AVENUE ROCKY MOUNT, NC 27801
Proj. # 510424.001	
CAD File: parcel_49.dgn	Project Title:
Approx. Scale: 1" = 60'	Drawn by: MJO / Client: NC DOT

Sample Identification	P49-B1
Date	7-27-15
Sample Depth (Feet bgs)	4-5
TPH DRO (mg/kg)	<0.25
THP GRO (mg/kg)	<0.62
Sample Depth (Feet bgs)	9-10
TPH DRO (mg/kg)	0.25
THP GRO (mg/kg)	<0.64

Sample Identification	P49-B2
Date	7-27-15
Sample Depth (Feet bgs)	4-5
TPH DRO (mg/kg)	<0.26
THP GRO (mg/kg)	<0.65
Sample Depth (Feet bgs)	9-10
TPH DRO (mg/kg)	0.31
THP GRO (mg/kg)	<0.78

Sample Identification	P49-B3
Date	7-27-15
Sample Depth (Feet bgs)	4-5
TPH DRO (mg/kg)	<0.3
THP GRO (mg/kg)	<0.74
Sample Depth (Feet bgs)	9-10
TPH DRO (mg/kg)	<0.25
THP GRO (mg/kg)	<0.63

Sample Identification	P49-B4
Date	7-27-15
Sample Depth (Feet bgs)	4-5
TPH DRO (mg/kg)	<0.28
THP GRO (mg/kg)	<0.69
Sample Depth (Feet bgs)	9-10
TPH DRO (mg/kg)	<0.23
THP GRO (mg/kg)	<0.58

Sample Identification	P49-B5
Date	7-27-15
Sample Depth (Feet bgs)	4-5
TPH DRO (mg/kg)	0.26
THP GRO (mg/kg)	<0.64
Sample Depth (Feet bgs)	9-10
TPH DRO (mg/kg)	<0.23
THP GRO (mg/kg)	<0.59

Sample Identification	P49-B6
Date	7-27-15
Sample Depth (Feet bgs)	4-5
TPH DRO (mg/kg)	0.28
THP GRO (mg/kg)	<0.71
Sample Depth (Feet bgs)	9-10
TPH DRO (mg/kg)	0.21
THP GRO (mg/kg)	<0.52

HWY 301 NORTH
(WESLEYAN BLVD)

N 59° 26' 24.2" E

47 HERNDON HOLDING, INC DB 2640 PG 1

49 BISHOP PARTNERS DB 1651 PG 261

ACCESS BREAK

TDE

RIPRAP

FILL WITH FLOWABLE FILL

N 54°45'24" E 156.37'

N 61°42'27" E 251.37'

LEGEND

- GEOENVIRONMENTAL BORING
- PROPOSED SLOPE STAKES FILL
- PROPOSED SLOPE STAKES CUT
- EXISTING ROW LINE
- PROPOSED ROW LINE
- EASEMENT LINE

0 30' 60'
SCALE IN FEET

FIGURE 3
PARCEL 49
ONSITE UVF HYDROCARBON ANALYSIS RESULTS

APEX COMPANIES, LLC
10610 METROMONT PARKWAY
SUITE 206
CHARLOTTE, NC 28117
PHONE: (704) 799-6390

Date: 8/1/15		MONTGOMERY WARD 1 TARRYTOWN MALL AKA 2320 SUNSET AVENUE ROCKY MOUNT, NC 27801
Proj. # 510424.001		
CAD File: parcel_49.dgn		Project Title:
Approx. Scale: 1" = 60'	Drawn by: MJO	Client: NC DOT

APPENDIX A
PHOTOGRAPH LOG

Photo 1

Viewing Parcel 49 Prior to Drilling Activities.

Photo 2

Viewing truck mounted geoprobe as drilling activities begin.

10610 Metromont Pkwy
Suite 206
Charlotte, NC 28269

APEX

WBS	36596.1.1
PROCESSED	TLH
DATE	July 2015
PAGE	

PHOTOGRAPHIC LOG

PSA Field Activities
Parcel 49, 921 N Weslyan Blvd, Rocky Mount, NC

Photo 3

Viewing a portion of the investigation area. Cone is placed on a predetermined boring location.

Photo 4

Photo is of utilities which cross the proposed drainage feature.

APPENDIX B
BORING LOGS

Apex Companies, LLC

Boring Log

Boring/Well No.: P49-B1	**Site Name: Bishop Partners Property (Golden Corral)**
Date: 7-27-15	**Location: Rocky Mount, Nash Co., NC**
Job No.: 510424-001	**Sample Method: Direct Push**
AMEC Rep: Troy L. Holzschuh	**Drilling Method: Direct Push**
Drilling Company: Regional Probing Services	**Driller Name/Cert #: Larry Opper/3322A**
Remarks:	

Depth (ft BLS)	PID Reading (ppm)	Lab Sample ID	Soil/Lithologic Description
0-1	0.0		Orange, Silt, Dry
1-3	0.0		Orange/Gray, Marbled, Clayey Silt, Moist
3-5	0.0		
5-6	0.0		
6-8	0.0		Gray, Clayey Silt, Moist
8-10	0.0		
			Boring terminated at 10 feet

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:

Apex Companies, LLC

Boring Log

Boring/Well No.: P49-B2	**Site Name: Bishop Partners Property (Golden Corral)**
Date: 7-27-15	**Location: Rocky Mount, Nash Co., NC**
Job No.: 510424-001	**Sample Method: Direct Push**
AMEC Rep: Troy L. Holzschuh	**Drilling Method: Direct Push**
Drilling Company: Regional Probing Services	**Driller Name/Cert #: Larry Opper/3322A**
Remarks:	

Depth (ft BLS)	PID Reading (ppm)	Lab Sample ID	Soil/Lithologic Description
0.05	0.0		Tan, Silt, Moist
0.5-1.5	0.0		Tan, Clayey Silt, Moist
1.5-4	0.0		Tan, Clay, Moist
4-6	0.0		
6-8	0.0		
8-10	0.0		
			Boring terminated at 10 feet

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:

Apex Companies, LLC

Boring Log

Boring/Well No.: P49-B3	**Site Name: Bishop Partners Property (Golden Corral)**
Date: 7-27-15	**Location: Rocky Mount, Nash Co., NC**
Job No.: 510424-001	**Sample Method: Direct Push**
AMEC Rep: Troy L. Holzschuh	**Drilling Method: Direct Push**
Drilling Company: Regional Probing Services	**Driller Name/Cert #: Larry Opper/3322A**
Remarks:	

Depth (ft BLS)	PID Reading (ppm)	Lab Sample ID	Soil/Lithologic Description
0.05	0.0		Tan, Silt, Moist
0.5-3	0.0		Tan, Clayey Silt, Moist
3-5	0.0		Gray, Clay, Moist
5-7	0.0		
7-9	0.0		
9-10	0.0		
			Boring terminated at 10 feet

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:

Apex Companies, LLC

Boring Log

Boring/Well No.: P49-B4	**Site Name: Bishop Partners Property (Golden Corral)**
Date: 7-27-15	**Location: Rocky Mount, Nash Co., NC**
Job No.: 510424-001	**Sample Method: Direct Push**
AMEC Rep: Troy L. Holzschuh	**Drilling Method: Direct Push**
Drilling Company: Regional Probing Services	**Driller Name/Cert #: Larry Opper/3322A**
Remarks:	

Depth (ft BLS)	PID Reading (ppm)	Lab Sample ID	Soil/Lithologic Description
0-1	0.0		Orange/Tan, Marbled, Clayey Silt, Moist
1-3	0.0		Tan, Clayey Silt, Moist
3-5	0.0		
5-7	0.0		
7-9	0.0		
9-10	0.0		
			Boring terminated at 10 feet

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:

Apex Companies, LLC

Boring Log

Boring/Well No.: P49-B5	**Site Name: Bishop Partners Property (Golden Corral)**
Date: 7-27-15	**Location: Rocky Mount, Nash Co., NC**
Job No.: 510424-001	**Sample Method: Direct Push**
AMEC Rep: Troy L. Holzschuh	**Drilling Method: Direct Push**
Drilling Company: Regional Probing Services	**Driller Name/Cert #: Larry Opper/3322A**
Remarks:	

Depth (ft BLS)	PID Reading (ppm)	Lab Sample ID	Soil/Lithologic Description
0-1	0.0		Orange/Tan, Marbled, Silt, Dry
1-3	0.0		Tan, Clayey Silt, Moist
3-6	0.0		
6-9	0.0		
9-10	0.0		Orange, Sand, Medium, Moist
			Boring terminated at 10 feet

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:

Apex Companies, LLC

Boring Log

Boring/Well No.: P49-B6	**Site Name: Bishop Partners Property (Golden Corral)**
Date: 7-27-15	**Location: Rocky Mount, Nash Co., NC**
Job No.: 510424-001	**Sample Method: Direct Push**
AMEC Rep: Troy L. Holzschuh	**Drilling Method: Direct Push**
Drilling Company: Regional Probing Services	**Driller Name/Cert #: Larry Opper/3322A**
Remarks:	

Depth (ft BLS)	PID Reading (ppm)	Lab Sample ID	Soil/Lithologic Description
0-3	0.0		Orange/Tan, Marbled, Silt, Dry
3-5	0.0		Gray, Clayey Silt, Moist
5-7	0.0		
7-9	0.0		
9-10	0.0		Orange, Sand, Medium, Moist
			Boring terminated at 10 feet

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 REPORT

Taylor Wiseman & Taylor
ENGINEERS | SURVEYORS | SCIENTISTS
3500 Regency Parkway, Suite 260 – Cary, NC 27518
Office: (919) 297-0085 Fax: (919) 297-0090

August 26, 2015
TWT # 70668.5002.00

RE: SUE Geophysical Assessment
NCDOT Project U-3330
US 301 Bypass
Rocky Mount, NC (Nash County)

Apex Companies, LLC
Attn: Ms. Katie Lippard
10610 Metromont Parkway
Suite 206
Charlotte, NC 28269

Ms. Lippard:

Taylor Wiseman & Taylor (**TWT**) is submitting this Subsurface Utility Engineering (SUE) Geophysical Assessment report to document services performed under Subcontracting Services Agreement number 51-315, dated 7/8/2015, for Apex Job number 510424.001. TWT was subcontracted by Apex Companies, LLC to perform a utility mark-out and underground storage tank (UST) investigation with electromagnetic designating equipment and ground penetrating radar (GPR). These services were performed at six (6) locations that are defined as follows:

1) Parcel 20 (Greene) – 1921 Stone Rose Avenue/Drive – see Figure 1
2) Parcel 37 (National) – 770 N Wesleyan Blvd – see Figure 2
3) Parcel 45 (Medlin) – 829 Hunter Hill Road – see Figure 3
4) Parcel 49 (Bishop Partners) – 921 N. Wesleyan Blvd – see Figure 4
5) Parcel 69 (Cliett, Inc.) – 1001 N. Wesleyan Blvd – see Figure 5
6) Parcels 22,23,24 & 25 (Tarrytown) – 2320 Sunset Avenue – see Figure 6

The limits and findings for each investigation are documented on the Figures attached hereto. As noted on the Figures, TWT utilized a Vivax Pro Loc 2, and Vivax Metrotech 810 for the electromagnetic designation and a Mala X3M GPR with a 250 MHz antenna. There were some areas at the sites where the GPR cart could not be pushed. Steep slopes, ditches and wooded areas presented some of these limitations. Each Figure clearly identifies the areas where GPR could not be performed.

Each Figure shows the underground utility lines that were detected by way of the electromagnetic designating. Each Figure shows any anomalies that were detected with the GPR.

Parcel 20 (refer to Figure 1) is the only parcel where the GPR detected an anomaly. The anomaly was not characteristic of a UST and has been duly noted that way on the Figure.

The conclusions for this geophysical assessment submitted herein are based upon the data obtained from non-invasive testing. As such, even within the surveyed area, the survey cannot be considered 100 percent accurate due to inherent method limitations, survey limitations, site features, and/or unforeseen site-specific conditions. Accordingly, the possibility exists that not all subsurface, man-made features have been located.

Properties of the subsurface materials (e.g., clay content, moisture, etc.) can have a significant impact on the effective depth of penetration of the GPR survey. Accordingly, non-metallic tanks, tanks at depths below about 5 feet, and tanks outside of the survey area may not have been detected using the

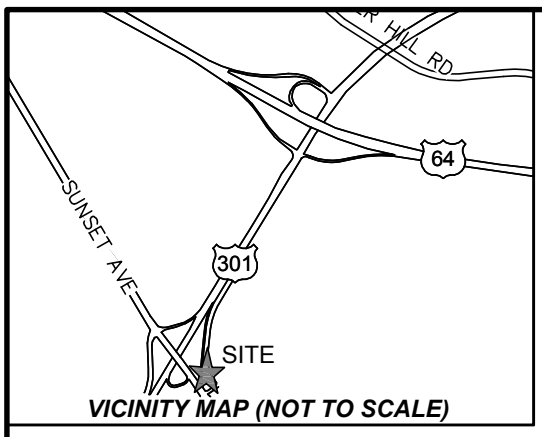
geophysical techniques. In addition, due to interference, there may be areas within the proposed survey area where an interpretation of subsurface features was not feasible.

Regardless of the thoroughness of a geophysical study, there is always a possibility that actual conditions may not match the interpretations. The results should be considered accurate only to the degree implied by the methods used and the method's limitations and data coverage. Accordingly, the possibility exists that not all subsurface features at a project site will be located due to either subsurface soil conditions or the occurrence of features outside the lateral limits and below the depth of penetration of the methods used. The location and/or determination (or the lack thereof) of potential USTs is based on our review of provided information and of the geophysical survey. Under no circumstances does TWT assume any responsibility for damages resulting from the presence of subsurface features that may exist but were not identified by our survey.

TWT welcomes the opportunity to assist you with future geophysical survey needs. Should you have any questions regarding this report, please call or email.

Best regards,

Chad T. Howard, PLS
Survey & SUE Division Manager
Taylor Wiseman & Taylor
(919) 215-1472
howard@taylorwiseman.com



VICINITY MAP (NOT TO SCALE)

GENERAL NOTES

1) THE PURPOSE OF THIS MAP IS TO DISPLAY UNDERGROUND UTILITIES DESIGNATED BY TAYLOR WISEMAN & TAYLOR'S SUBSURFACE UTILITY ENGINEERING DEPARTMENT, UTILIZING VIVAX PRO LOC 2, AND VIVAX METROTECH 810 FOR ELECTROMAGNETIC DESIGNATION, AND A MALA X3M GROUND PENETRATING RADAR WITH A 250 MHz ANTENNA.

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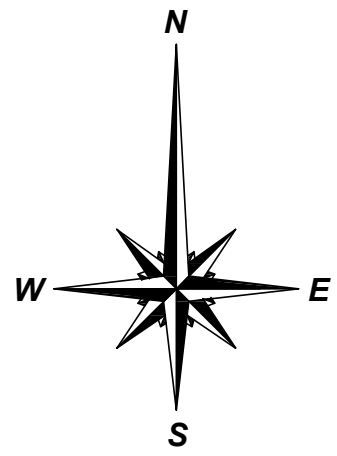
3) THE LOCATION OF THE UTILITIES SHOWN HEREON SHOULD BE CONSIDERED APPROXIMATE. THIS DOCUMENT IS A SKETCH; IT IS NOT A SURVEY; NO FIELD SURVEYING WAS PERFORMED.

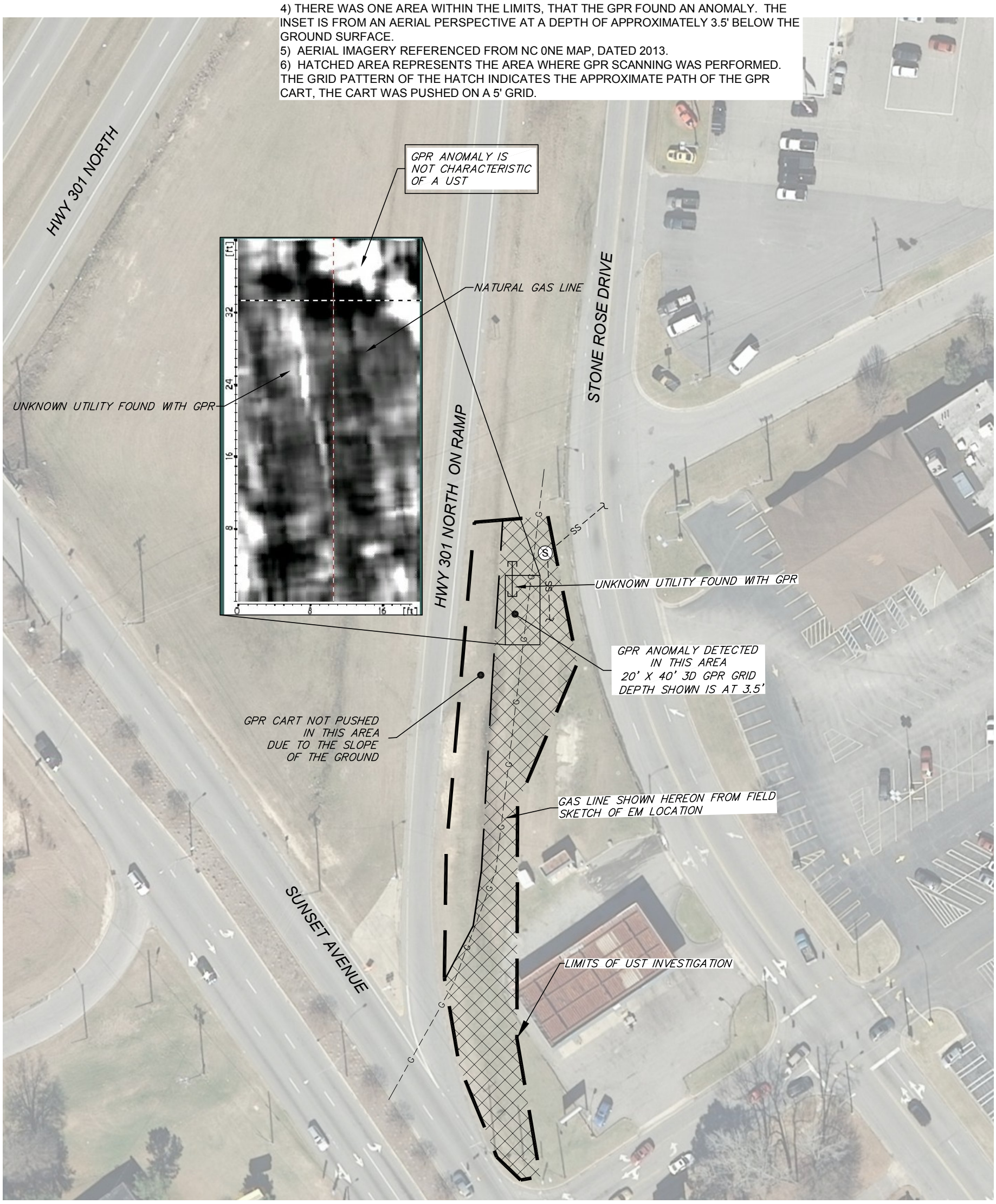
4) THERE WAS ONE AREA WITHIN THE LIMITS, THAT THE GPR FOUND AN ANOMALY. THE INSET IS FROM AN AERIAL PERSPECTIVE AT A DEPTH OF APPROXIMATELY 3.5' BELOW THE GROUND SURFACE.

5) AERIAL IMAGERY REFERENCED FROM NC 0NE MAP, DATED 2013.

6) HATCHED AREA REPRESENTS THE AREA WHERE GPR SCANNING WAS PERFORMED. THE GRID PATTERN OF THE HATCH INDICATES THE APPROXIMATE PATH OF THE GPR CART, THE CART WAS PUSHED ON A 5' GRID.



MAGNETIC NORTH



THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS

0 30 60 120 240

1" = 60'

TAYLOR WISEMAN & TAYLOR
ENGINEERS ▌SURVEYORS ▌SCIENTISTS
SUBSURFACE UTILITY ENGINEERS
3500 REGENCY PARKWAY
SUITE 260, CARY, NC 27518
PHONE (919) 297-0085 FAX (919) 297-0090
NORTH CAROLINA LICENSE NUMBER: F-0362

GEOPHYSICAL ASSESSMENT

for APEX COMPANIES LLC.

NCDOT PROJECT U-3330, PARCEL 20

1921 STONE ROSE DRIVE

NASH COUNTY - ROCKY MOUNT, NC

REVISIONS:	DATE OF SURVEY: 07/13/2015
	SCALE: 1" = 60'
	DRAWN BY: J.REYNOLDS
	CHECKED BY: C. HOWARD PLS
	PROJECT: 70668.5002.00
FIGURE #: 1	SHEET: 1 / 1

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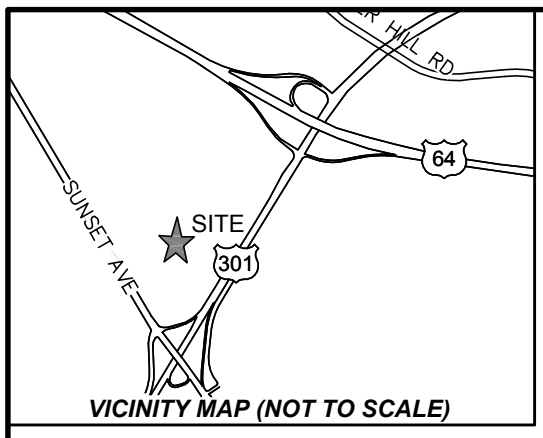

VICINITY MAP (NOT TO SCALE)

LINE LEGEND

——FO——FO——	U/G FIBER OPTIC (SKETCH)
——T——T——	U/G TELEPHONE (SKETCH)
——UE——UE——	U/G ELECTRIC LINE (SKETCH)

ABBREVIATIONS

HWY HIGHWAY
U/G UNDERGROUND

GRAPHIC SCALE

0 30 60 120 240

1" = 60'

N W E S

MAGNETIC NORTH

GENERAL NOTES

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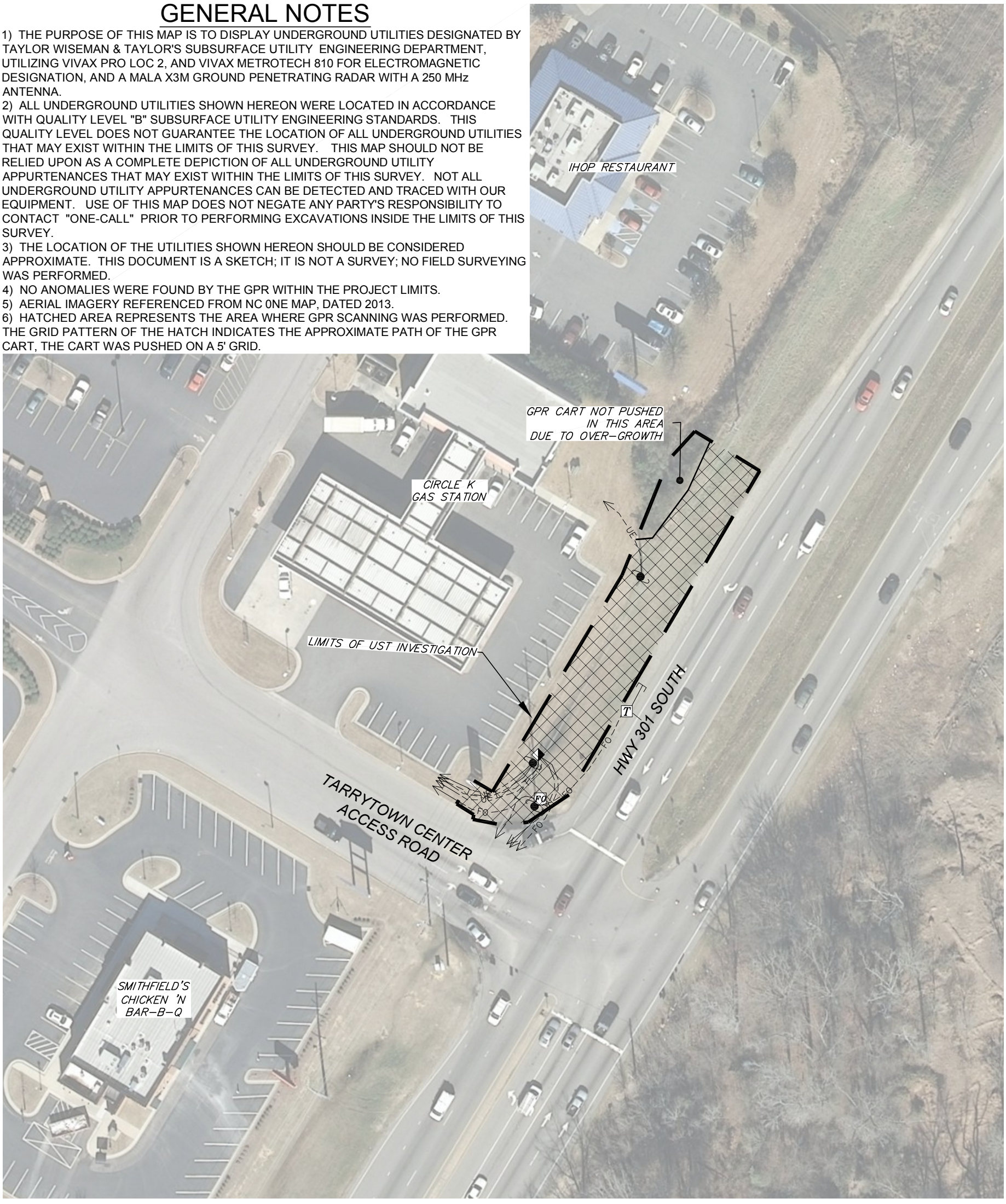
4) NO ANOMALIES WERE FOUND BY THE GPR WITHIN THE PROJECT LIMITS.
5) AERIAL IMAGERY REFERENCED FROM NC 0NE MAP, DATED 2013.
6) HATCHED AREA REPRESENTS THE AREA WHERE GPR SCANNING WAS PERFORMED. THE GRID PATTERN OF THE HATCH INDICATES THE APPROXIMATE PATH OF THE GPR CART, THE CART WAS PUSHED ON A 5' GRID.



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TAYLOR WISEMAN & TAYLOR
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PHONE (919) 297-0085 FAX (919) 297-0090
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GEOPHYSICAL ASSESSMENT
for APEX COMPANIES LLC.
NCDOT PROJECT U-3330, PARCEL 37
770 N. WESLEYAN BLVD
NASH COUNTY - ROCKY MOUNT, NC

REVISIONS:		DATE OF SURVEY:	07/13/2015
		SCALE:	1" = 60'
		DRAWN BY:	J.REYNOLDS
		CHECKED BY:	C. HOWARD PLS
		PROJECT:	70668.5002.00
FIGURE #:	2	SHEET:	1 / 1

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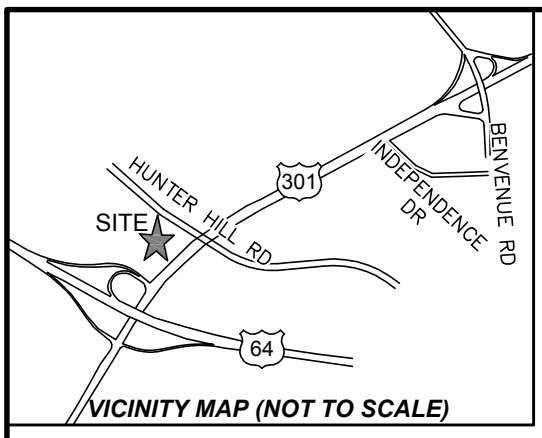


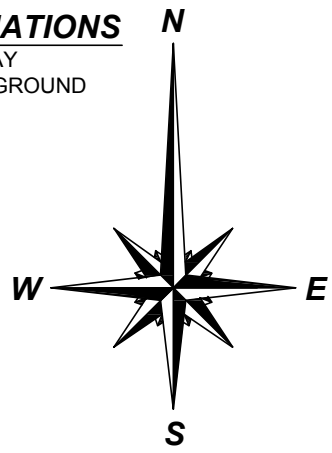
VICINITY MAP (NOT TO SCALE)

LINE LEGEND

G	U/G GAS (SKETCH)
FO	U/G FIBER OPTIC (SKETCH)
T	U/G TELEPHONE (SKETCH)
UE	U/G ELECTRIC LINE (SKETCH)

ABBREVIATIONS

HWY HIGHWAY
U/G UNDERGROUND



MAGNETIC NORTH

GRAPHIC SCALE

0 30 60 120 240

1" = 60'

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4) NO ANOMALIES WERE FOUND BY THE GPR WITHIN THE PROJECT LIMITS.

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SUITE 260, CARY, NC 27518
PHONE (919) 297-0085 FAX (919) 297-0090
NORTH CAROLINA LICENSE NUMBER: F-0362

GEOPHYSICAL ASSESMENT
for APEX COMPANIES LLC.
NCDOT PROJECT U-3330, PARCEL 45
829 HUNTER HILL ROAD
NASH COUNTY - ROCKY MOUNT, NC

REVISIONS:		DATE OF SURVEY:	07/13/2015
		SCALE:	1" = 60'
		DRAWN BY:	J.REYNOLDS
		CHECKED BY:	C. HOWARD PLS
		PROJECT:	70668.5002.00
FIGURE #:	3	SHEET:	1 / 1

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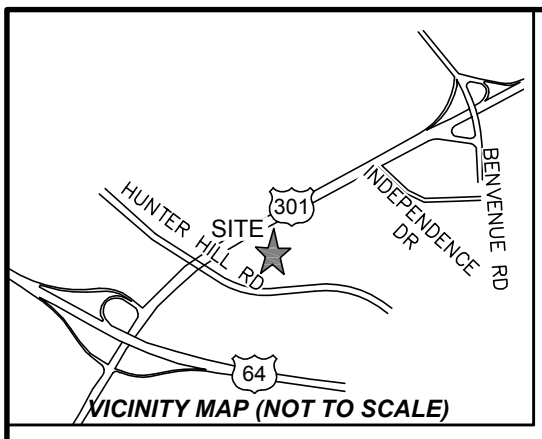


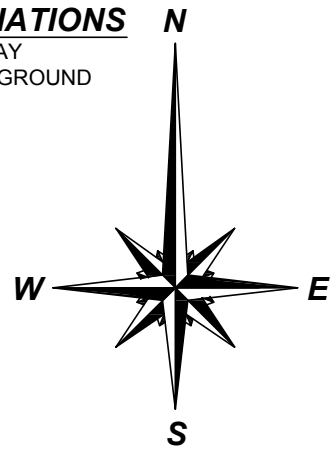
VICINITY MAP (NOT TO SCALE)

LINE LEGEND

T	U/G TELEPHONE (SKETCH)
W	U/G WATER LINE (SKETCH)
UE	U/G ELECTRIC LINE (SKETCH)
G	U/G GAS (SKETCH)
UNK	UNKNOWN U/G UTILITY

ABBREVIATIONS

HWY HIGHWAY
U/G UNDERGROUND



MAGNETIC NORTH

GRAPHIC SCALE

0 15 30 60 120

1" = 30'

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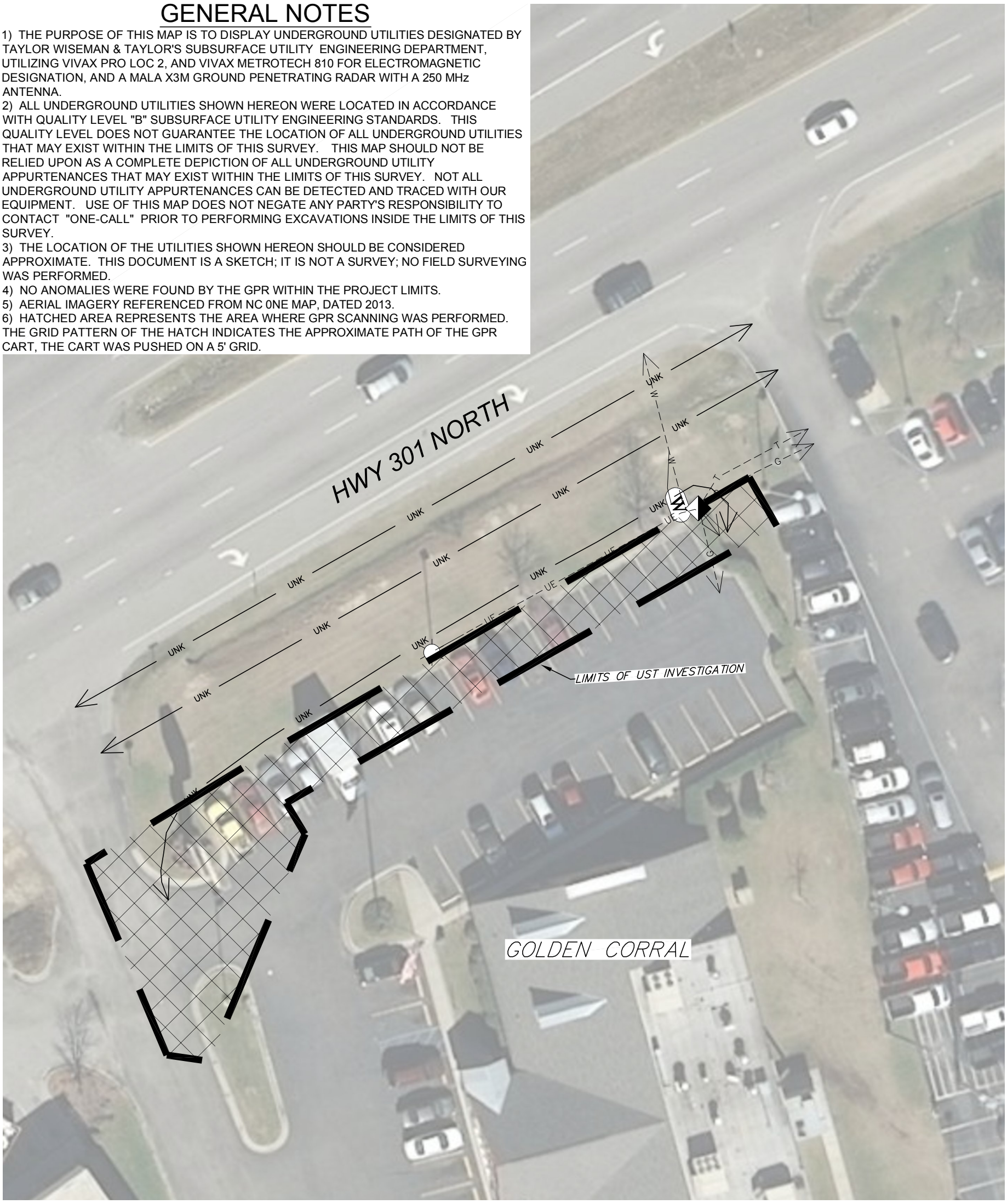

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PHONE (919) 297-0085 FAX (919) 297-0090
NORTH CAROLINA LICENSE NUMBER: F-0362

GEOPHYSICAL ASSESMENT
for APEX COMPANIES LLC.
NCDOT PROJECT U-3330, PARCEL 49
921 N. WESLEYAN BLVD
NASH COUNTY - ROCKY MOUNT, NC

REVISIONS:		DATE OF SURVEY:	07/13/2015
		SCALE:	1" = 30'
		DRAWN BY:	J.REYNOLDS
		CHECKED BY:	C. HOWARD PLS
		PROJECT:	70668.5002.00
FIGURE #:	4	SHEET:	1 / 1

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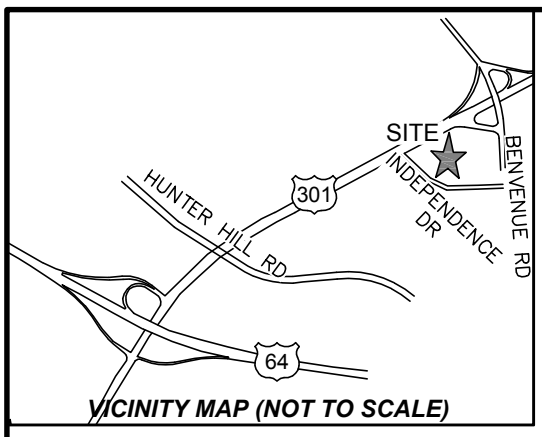
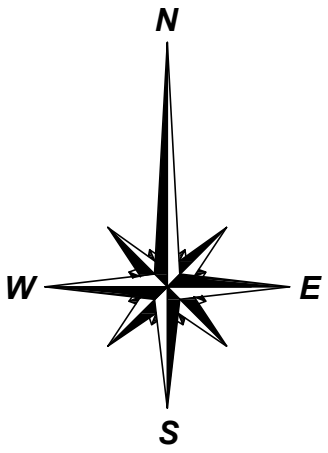


VICINITY MAP (NOT TO SCALE)

LINE LEGEND	
T T	U/G TELEPHONE (SKETCH)
W W	U/G WATER LINE (SKETCH)

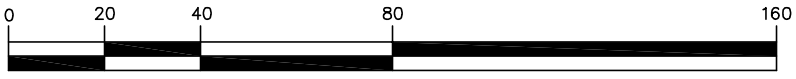
ABBREVIATIONS

HWY HIGHWAY
U/G UNDERGROUND



MAGNETIC NORTH

GRAPHIC SCALE



1" = 40'

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PHONE (919) 297-0085 FAX (919) 297-0090
NORTH CAROLINA LICENSE NUMBER: F-0362

GEOPHYSICAL ASSESMENT
for APEX COMPANIES LLC.
NCDOT PROJECT U-3330, PARCEL 69
1001 N. WESLEYAN BLVD
NASH COUNTY - ROCKY MOUNT, NC

REVISIONS:	DATE OF SURVEY:	07/13/2015
	SCALE:	1" = 40'
	DRAWN BY:	J.REYNOLDS
	CHECKED BY:	C. HOWARD PLS
	PROJECT:	70668.5002.00
FIGURE #: 5	SHEET:	1 / 1

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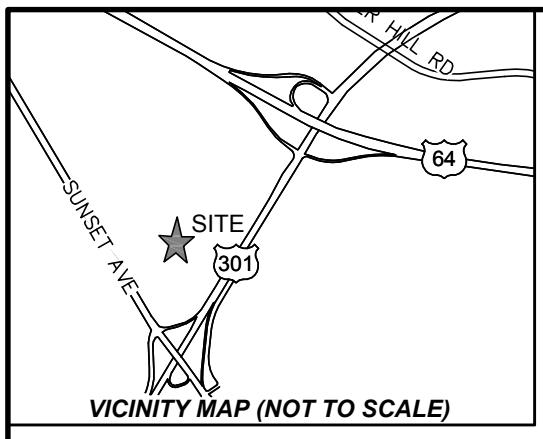


VICINITY MAP (NOT TO SCALE)

LINE LEGEND

T	U/G TELEPHONE
W	U/G WATER LINE
FO	U/G FIBER OPTIC LINE)
G	U/G GAS
UNK	UNKNOWN U/G UTILITY

GRAPHIC SCALE

0 50 100 200 400

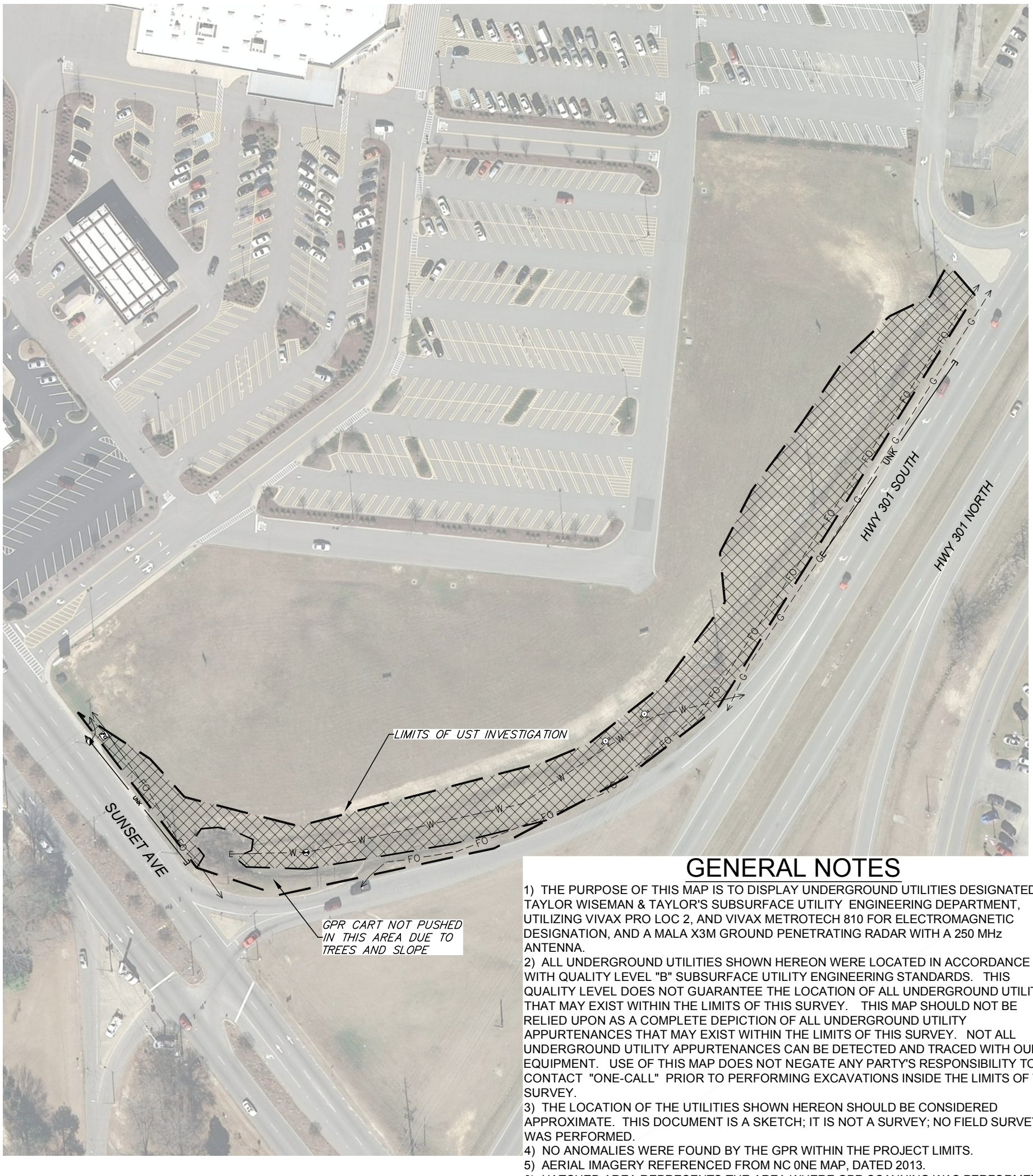
1" = 100'

N W E S

MAGNETIC NORTH

ABBREVIATIONS

HWY HIGHWAY
U/G UNDERGROUND



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NORTH CAROLINA LICENSE NUMBER: F-0362

GEOPHYSICAL ASSESMENT

for APEX COMPANIES LLC.
NCDOT PROJECT U-3330, PARCELS 22-25
2320 SUNSET AVENUE
NASH COUNTY - ROCKY MOUNT, NC

REVISIONS:		DATE OF SURVEY:	07/13/2015
		SCALE:	1" = 100'
		DRAWN BY:	J.REYNOLDS
		CHECKED BY:	C. HOWARD PLS
		PROJECT:	70668.5002.00
FIGURE #:	6	SHEET:	1 / 1

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APPENDIX D
HYDROCARBON ANALYSIS RESULTS

QED

AQROS

Hydrocarbon Analysis Results

Client: NCDOT
Address: 921 N Wesleyan

Samples taken Monday, July 27, 2015
Samples extracted Monday, July 27, 2015
Samples analysed Monday, July 27, 2015

Contact: Gordon Box

Operator Troy L. Holzschuh

Project: U-3330

Matrix	Sample ID	Dilution used	BTEX (C6 - C9)	GRO (C5 - C10)	DRO (C10 - C35)	TPH (C5 - C35)	Total Aromatics (C10-C35)	16 EPA PAHs	BaP	Ratios			HC Fingerprint Match
										% light	% mid	% heavy	
s	P49-B1 (4-5)	24.8	<0.62	<0.62	<0.25	<0.62	<0.12	<0.02	<0.012	0	0	100	Match not possible (FCM)
s	P49-B1 (9-10)	25.5	<0.64	<0.64	0.25	0.25	<0.17	<0.03	<0.013	0	26.9	73.1	Pyrogenic HC (FCM)
s	P49-B2 (4-5)	26.0	<0.65	<0.65	<0.26	<0.65	<0.13	<0.03	<0.013	0	0	0	Pet.Hyd not Detected
s	P49-B2 (9-10)	31.3	<0.78	<0.78	0.31	0.31	<0.28	<0.03	<0.016	0	56.7	43.3	Pyrogenic HC (FCM)
s	P49-B3 (4-5)	29.5	<1.5	<0.74	<0.3	<0.74	<0.15	<0.03	<0.015	0	4.6	95.4	V.Deg.PHC (FCM)
s	P49-B3 (9-10)	25.0	<1.3	<0.63	<0.25	<0.63	<0.13	<0.03	<0.013	0	0	100	V.Deg.PHC (FCM)

Initial Calibrator QC check OK

Final FCM QC Check OK 101.6%

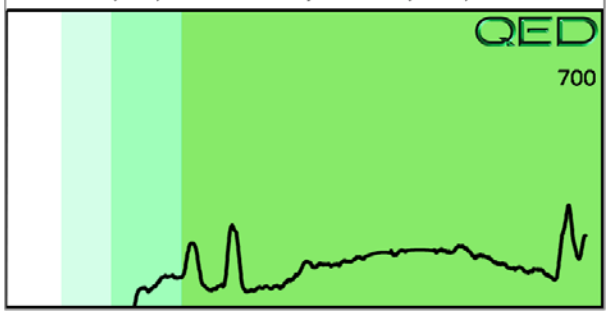
Results generated by a QED HC-1 analyser. Concentration values in mg/kg for soil samples and mg/L for water samples. Soil values are not corrected for moisture or stone content

Fingerprints provide a tentative hydrocarbon identification. The abbreviations are:- FCM = Results calculated using Fundamental Calibration Mode : % = confidence for sample fingerprint match to library

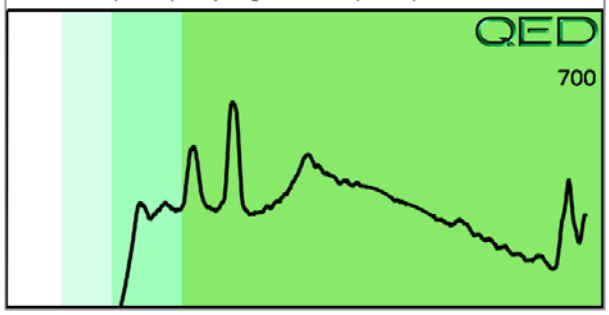
(SBS) or (LBS) = Site Specific or Library Background Subtraction applied to result : (PFM) = Poor Fingerprint Match : (T) = Turbid : (P) = Particulate present

Project: U-3330 Monday, July 27, 2015

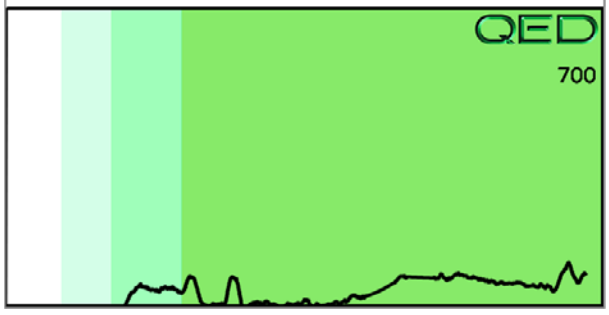
P49-B1 (4-5) : Match not possible (FCM)



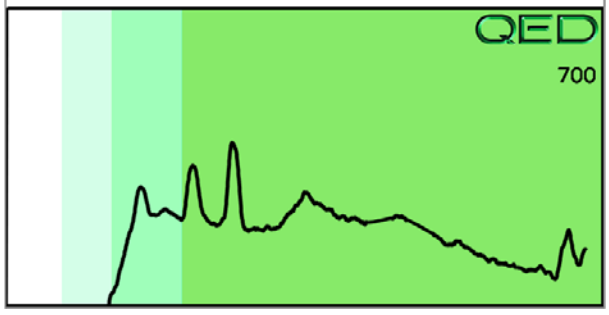
P49-B1 (9-10) : Pyrogenic HC (FCM)



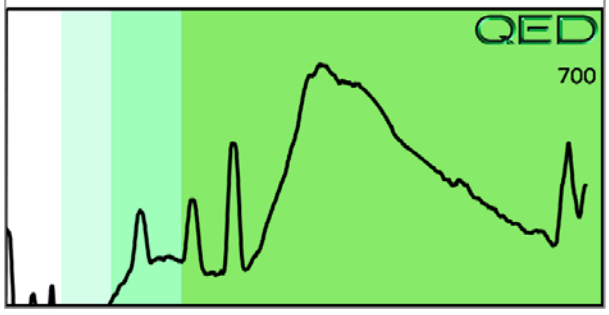
P49-B2 (4-5) : Pet.Hyd not Detected



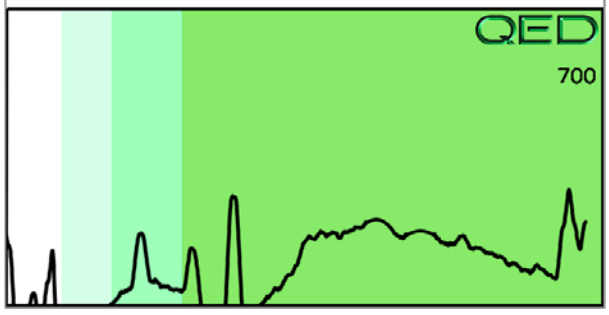
P49-B2 (9-10) : Pyrogenic HC (FCM)



P49-B3 (4-5) : V.Deg.PHC (FCM)



P49-B3 (9-10) : V.Deg.PHC (FCM)



QED

AQROS

Hydrocarbon Analysis Results

Client: NCDOT
Address: 921 N Wesleyan

Samples taken Monday, July 27, 2015
Samples extracted Monday, July 27, 2015
Samples analysed Monday, July 27, 2015

Contact: Gordon Box

Operator Troy L. Holzschuh

Project: U-3330

Matrix	Sample ID	Dilution used	BTEX (C6 - C9)	GRO (C5 - C10)	DRO (C10 - C35)	TPH (C5 - C35)	Total Aromatics (C10-C35)	16 EPA PAHs	BaP	Ratios			HC Fingerprint Match
										% light	% mid	% heavy	
s	P49-B4 (4-5)	27.7	<0.69	<0.69	<0.28	<0.69	<0.14	<0.03	<0.014	0	11.1	88.9	V.Deg.PHC (FCM)
s	P49-B4 (9-10)	23.0	<1.2	<0.58	<0.23	<0.58	<0.12	<0.02	<0.012	0	0	100	V.Deg.PHC (FCM)
s	P49-B5 (4-5)	25.7	<1.3	<0.64	0.26	0.26	<0.19	<0.03	<0.013	0	48.7	51.3	V.Deg.PHC (FCM)
s	P49-B5 (9-10)	23.4	<1.2	<0.59	<0.23	<0.59	<0.12	<0.02	<0.012	0	0	100	Background Organics (FCM)
s	P49-B6 (4-5)	28.3	<1.4	<0.71	0.28	0.28	<0.25	<0.03	<0.014	0	46.7	53.3	V.Deg.PHC (FCM)
s	P49-B6 (9-10)	21.0	<0.52	<0.52	0.21	0.21	<0.17	<0.02	<0.01	0	49.8	50.2	V.Deg.PHC (FCM)

Initial Calibrator QC check OK

Final FCM QC Check OK 91.1%

Results generated by a QED HC-1 analyser. Concentration values in mg/kg for soil samples and mg/L for water samples. Soil values are not corrected for moisture or stone content

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Project: U-3330 Monday, July 27, 2015