PRELIMINARY SITE ASSESSMENT

PARCEL #119, CIRCLE K PROPERTY
CHARLOTTE – US 74 (INDEPENDENCE BOULEVARD) FROM NC 24 - 27
(ALBEMARLE ROAD) TO IDELWILD ROAD
MECKLENBURG COUNTY, NORTH CAROLINA

NCDOT WBS ELEMENT 3479.1.1 STATE PROJECT U-0209B

August 20, 2010

Prepared for:

Ethan J. Caldwell, L.G., P. E.
North Carolina Department of Transportation
Geotechnical Engineering Unit
GeoEnvironmental Section
1589 Mail Service Center
Raleigh, North Carolina 27699-1589

Prepared by:

Kleinfelder Southeast, Inc. 313 Gallimore Dairy Road Greensboro, North Carolina 27409

Kleinfelder Project No. 111989

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August 20, 2010 File No. 111989 | GSO10R158

Ethan J. Caldwell, L.G., P. E. North Carolina Department of Transportation 1589 Mail Service Center Raleigh, North Carolina 27699-1589

Reference: Preliminary Site Assessment

WBS Element No. 34749.1.1, State Project U-0209B

Parcel #119, Circle K Property

Mecklenburg County, North Carolina

Dear Mr. Caldwell:

Please find enclosed a report summarizing the sampling activities for the preliminary site assessment conducted at the referenced site. Laboratory analysis of soil samples collected at the site detected contaminant concentrations exceeding the State action levels in six of eight samples. This report summarizes our field activities, results, laboratory report, and conclusions.

Should guestions arise or additional information be required, please contact the undersigned.

Sincerely,

Kleinfelder Southeast, Inc.

Ani Blusin Annamarie Blauser Staff Professional I

hn\M. Stewart, P.G. Seniør Professional

AB/JMS:cas **Enclosure**

PRELIMINARY SITE ASSESSMENT

Site Name and Location:

Parcel #119, Circle K Property

6420 E. Idlewild Road

Charlotte, Mecklenburg County, North

Carolina

Latitude and Longitude:

35° 10' 60" N, 80° 45' 20" W

Facility ID Number:

0-000135

NCDOT Project No.:

NCDOT WBS Element 34749.1.1

State Project U-0209B

Date of Report:

August 20, 2010

Consultant:

Kleinfelder

313 Gallimore Dairy Road

Greensboro, North Carolina 27409

Attn: Mr. John M. Stewart Phone: 336.668.0093 X115

Seal and Signature of Certifying Licensed Geologist

I, John M. Stewart, a Licensed Geologist for Kleinfelder Southeast, Inc., do certify that the information contained from this report is correct and accurate to the best of my knowledge.

John M. Steward NC License N

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1.0 INTRODUCTION

Kleinfelder Southeast, Inc. (Kleinfelder) has prepared this Preliminary Site Assessment (PSA) report documenting assessment activities performed at the Circle K property (Parcel 119) located at 6420 East Idlewild Road in Charlotte, Mecklenburg County, North Carolina (Figure 1). This assessment was conducted on behalf of the North Carolina Department of Transportation (NCDOT) in accordance with Kleinfelder's June 15, 2010 proposal.

NCDOT is proposing to widen Independence Boulevard (US 74) from NC 24 -27 (Albemarle Road) to Idlewild Road and construct a bridge with on and off ramps accessing Idlewild Road. The proposed right-of-way includes almost the entire Circle K property (Figure 2). Based on the location of the proposed right-of-way, NCDOT has determined that the entire parcel will be taken. Therefore, there is concern that contaminated soils could be encountered during the construction activities at this site.

The purpose of this assessment was to determine the presence or absence of impacted soil at the subject property in proposed right-of-way construction areas related to the widening of US 74 (Independence Boulevard) from NC 24 -27 (Albemarle Road) to Idlewild Road.

1.1 Site Description

The proposed right-of-way includes almost the entire property owned by Circle K Stores. At the time of our site reconnaissance, this parcel was occupied by an active gas station and convenience store (Circle K, Facility ID No. 0-000135). Three underground storage tanks (USTs) are registered for the facility and two USTs were closed in 2003. The current USTs are located in the northwest corner of the property. One dispenser island is located north of the convenience store (along the front of the property). The majority of the site is covered with concrete. Site photographs are shown in Appendix A.

1.2 Site Location

The facility is located on the southwest corner of Electra Lane and East Idlewild Road, in Charlotte, North Carolina. The property is bound to the north by Idlewild Road and

beyond by an apartment complex. The site is bound to the south and west by an automobile dealership and to the east by Electra Lane and further east by an apartment complex.

1.3 NCDENR File Review

Kleinfelder reviewed archived documented files at the North Carolina Department of Environment and Natural Resources (NCDENR) Mooresville Regional Office. Archived files are generally for those incidents that have been closed. A past release at the site was issued Incident Number 27507. Documented information associated with Groundwater Incident Number 27507 is summarized below

- In August 2003, ATC prepared an UST Closure Report. The report documented that two 4,000-gallon unleaded gasoline USTs were permanently closed in place in June 2003, and two 8,000-gallon gasoline USTs and one 6,000-gallon gasoline UST were installed adjacent to them. Product lines and dispensers were upgraded at this time.
- During UST and product line upgrades, soil with petroleum odor was removed.
 ATC screened the soil with a PID and collected soil samples. The soil samples contained concentrations of petroleum hydrocarbons similar to gasoline above the State action level, and approximately 169 tons of contaminated soil was removed.
- In January 2004, as part of a Limited Site Assessment, ATC installed a monitoring well and collected soil and groundwater samples. The soil sample laboratory analytical results indicated that none of the soil samples exceeded the residential MSCCs.
- Between August 3, 2003 and November 18, 2003, ATC collected soil samples from sixteen direct push borings drilled around the UST field, product lines, and dispensers. Low concentrations of TPH were detected in three of the borings.
- Based upon this information, the incident associated with the 2003 release was issued a No Further Action.

2.0 SITE ASSESSMENT

2.1 Geophysical Investigation

Pyramid Environmental & Engineering, P.C (Pyramid) conducted a geophysical investigation of the entire property on June 29, 2010. Pyramid utilized ground penetration radar (GPR) and electromagnetic (EM) induction technology to identify potential geophysical anomalies and potential USTs at the site. However, the Circle K site contained steel reinforced concrete across much of the site which eliminated the opportunity to conduct an EM survey. Consequently a GPR survey was conducted across the entire site. Prior to conducting soil borings, utilities were marked by NC One Call and Taylor Wiseman & Taylor (TWT).

2.2 Soil Sampling

To determine if contaminated soil may be encountered during the proposed construction activities, soil samples were collected on either side of the dispenser island (north and south), adjacent to the supply lines and around the UST located in the northwest corner of the Circle K property. Kleinfelder met Probe Technology at the Circle K property on July 20, 2010; Probe Technology advanced eight soil borings (B-1 to B-8) by direct push technology (DPT). The approximate location of the borings is shown on Figure 3. Copies of the boring logs are included in Appendix C.

Soil borings were advanced to a depth of four to twelve feet below the ground surface (bgs) depending of their location. Borings B-1 and B-2 were located on either side of the dispenser island. Borings B-4, B-5, B-7 and B-8 were located around the UST field. Boring B-2 was located along the product line. Boring B-6 was initially located on the east side of the UST field, but the boring hit refusal at four feet. The boring was moved south approximately five feet and re-drilled. The boring hit refusal again at four feet indicating that boring B-6 was likely located over one of the two closed USTs. Soil samples were collected by driving a macrocore sampler in 4-foot intervals in each boring. Each 4-foot sample sleeve was divided in half and screened for volatile organic compounds in the field using a MiniRae 2000 photo-ionization detector (PID). In each boring, the soil interval with the highest PID reading was collected for laboratory analysis. If no organic vapors were detected, the sample collected from the bottom of

the boring was submitted for analysis. The PID readings are summarized in Table 1. Copies of the boring logs are included in Appendix C.

Prior to the initial boring and after each subsequent boring, the sampling equipment was decontaminated. The soil samples collected for laboratory analysis were analyzed for total petroleum hydrocarbons (TPH) similar to diesel and gasoline (DRO/GRO) using EPA Method 8015B following 3550 and 5035 preparation. All soil samples were placed into laboratory provided jars, labeled, and maintained on ice until delivered to Prism laboratories a NCDOT contract laboratory for chemical analysis.

3.0 RESULTS

3.1 Geophysical Investigation

Pyramid's results indicate that disregarding the active and known USTs, the GPR investigation did not detect unknown metallic USTs within the survey area. Pyramid's report is included in Appendix B.

3.2 Soil Sampling

Gasoline range organics (GRO) were detected at concentrations above the State action level of 10 milligrams per kilogram in soil sample B-2 (2-4 ft), B-3 (2-4ft), B-4 (0-2ft), B-6 (2-4ft), B-7 (4-6ft), and B-8 (4-6ft). Diesel range organics (DRO) was detected in soil sample B-8 (4-6ft) above the States action level. The laboratory results are summarized in Table 2 and on Figure 3. The laboratory report and associated chain-of-custody document are included in Appendix D.

Based on laboratory analytical results and PID readings, petroleum impacted soils are present on Parcel 119 adjacent to the USTs in the northwest corner of the property. The contaminated soil covers an area approximately 7,500 square feet (Figure 4). The contaminated soil extends vertically between four and six feet below ground surface. Based on these dimensions Kleinfelder estimates that there are approximately 1,500 cubic yards of impacted soil, following removal of the three UST volumes (8,000 gallon = 39 cubic yards and 6,000 gallon = 30 cubic yards).

4.0 CONCLUSIONS

Based on results of the laboratory analysis and field observations, Kleinfelder has the following conclusions:

- Groundwater was not encountered in the soil borings.
- GRO was detected in borings B-2, B-3, B-4, B-6, B-7 and B-8, and DRO was detected in boring B-8. All detected concentrations of TPH were above the State action level. The source of the diesel range organics is unknown at this time. There is no indication that diesel fuel has been sold at this location.
- Based upon the laboratory results, petroleum impacted soil is located between a depth of two to six feet bgs in the area of the USTs and dispsenser islands. The results of this investigation are consistent with the results of the ATC investigation conducted in 2003-2004.
- Approximately 1,500 cubic yards of contaminated soil was identified in and around the existing and former USTs located on the northwest corner of the property. Almost all of the contaminated soil is located within the proposed right-of-way. Petroleum contaminated soil could be encountered as shallow two feet below grade in the area of the UST field.

5.0 LIMITATIONS

Our work has been performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services were provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

The information included on graphic representations in the report has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. These documents are not intended for use as a land survey product, nor are they designed or intended as a construction design document. The use or misuse of the information contained on these graphic representations is at the sole risk of the party using or misusing the information.



TABLE 1: SOIL SAMPLE PID RESULTS

SAMPLE LOCATION	DEPTH	PID
SAMPLE LOCATION	(feet bgs)	READINGS
B-1	0.0 - 2.0	1.4
D- (2.0 - 4.0	2.1
B-2	0.0 - 2.0	1.8
D-Z	2.0 - 4.0	16.2
B-3	0.0 - 2.0	3.8
D-3	2.0 - 4.0	26.8
	0.0 - 2.0	43.1
	2.0 - 4.0	16.0
B-4	4.0 - 6.0	6.4
D-4	6.0 - 8.0	7.9
	8.0 - 10.0	25.2
	10.0 - 12.0	20.9
	0.0 - 2.0	0.7
	2.0 - 4.0	0.0
B-5	4.0 - 6.0	0.0
B-3	6.0 - 8.0	0.0
	8.0 - 10.0	0.2
	10.0 - 12.0	1.3
B-6	0.0 - 2.0	20.8
D-0	2.0 - 4.0	73.4
	0.0 - 2.0	1.3
	2.0 - 4.0	8.4
B-7	4.0 - 6.0	13.8
B-1	6.0 - 8.0	2.6
	8.0 - 10.0	10.9
	10.0 - 12.0	7.3
	0.0 - 2.0	0.0
	2.0 - 4.0	0.0
B-8	4.0 - 6.0	246.0
D-0	6.0 - 8.0	2.6
	8.0 - 10.0	16.7
	10.0 - 12.0	0.0

Notes:

Samples were collected on July 20, 2010.

Readings reported in parts per million

feet bgs = feet below ground surface

Bold = Selected for laboratory analysis

TABLE 2: SOIL SAMPLE ANALYTICAL SUMMARY

SAMPLE ID	COLLECTION DATE	DRO	GRO
B-1 (2-4ft)	7/20/2010	BRL	BRL
B-2 (2-4ft)	7/20/2010	BRL	48
B-3 (2-4ft)	7/20/2010	BRL	24
B-4 (0-2ft)	7/20/2010	BRL	14
B-5 (10-12ft)	7/20/2010	BRL	BRL
B-6 (2-4ft)	7/20/2010	BRL	17
B-7 (4-6ft)	7/20/2010	BRL	11
B-8 (4-6ft)	7/20/2010	2800	19
e Action Level		10	10

Notes:

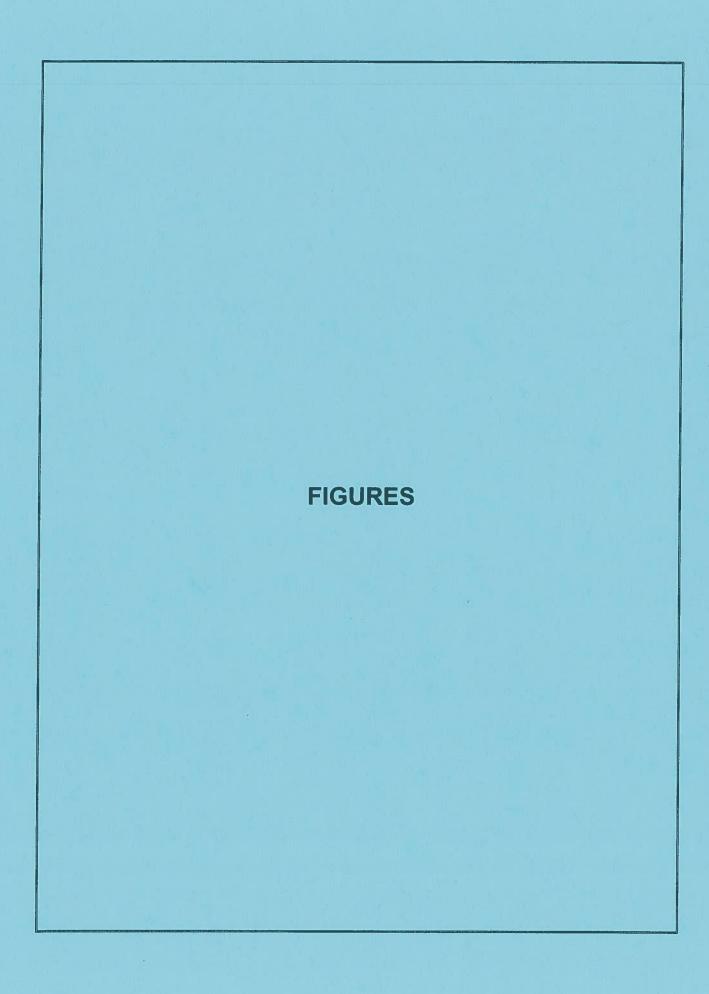
Sample collection depth is indicated in Sample ID, following sequential soil sample number Results presented in milligrams per kilogram, analogous to parts per million

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

BRL = Below reporting limit

Bold denotes concentration exceeds the State Action Level



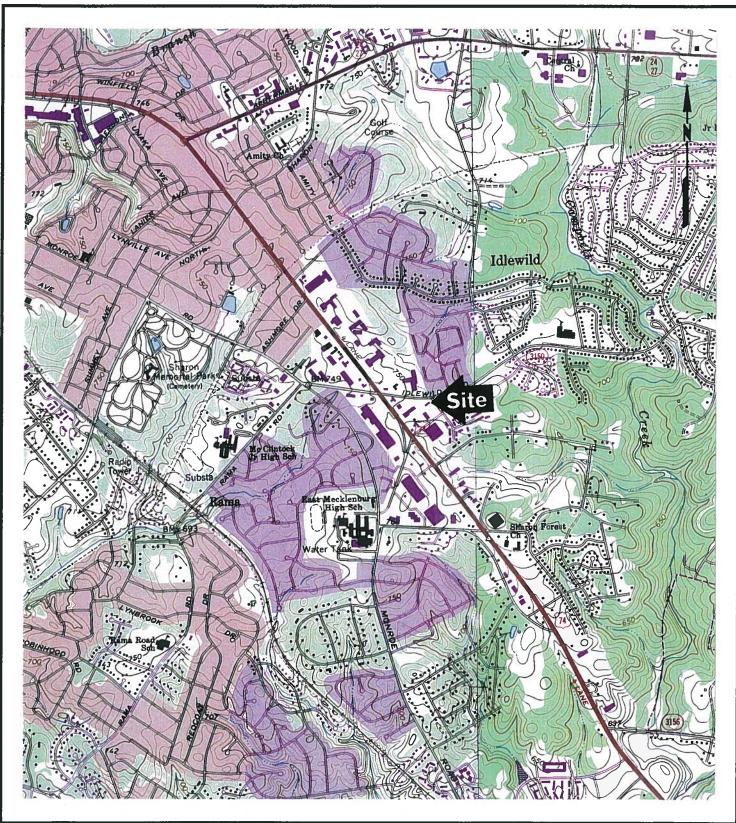




FIGURE 1 SITE LOCATION MAP

PARCEL # 119 - CIRCLE K PROPERTY 6420 EAST IDLEWILD ROAD MECKLENBURG COUNTY, NORTH CAROLINA

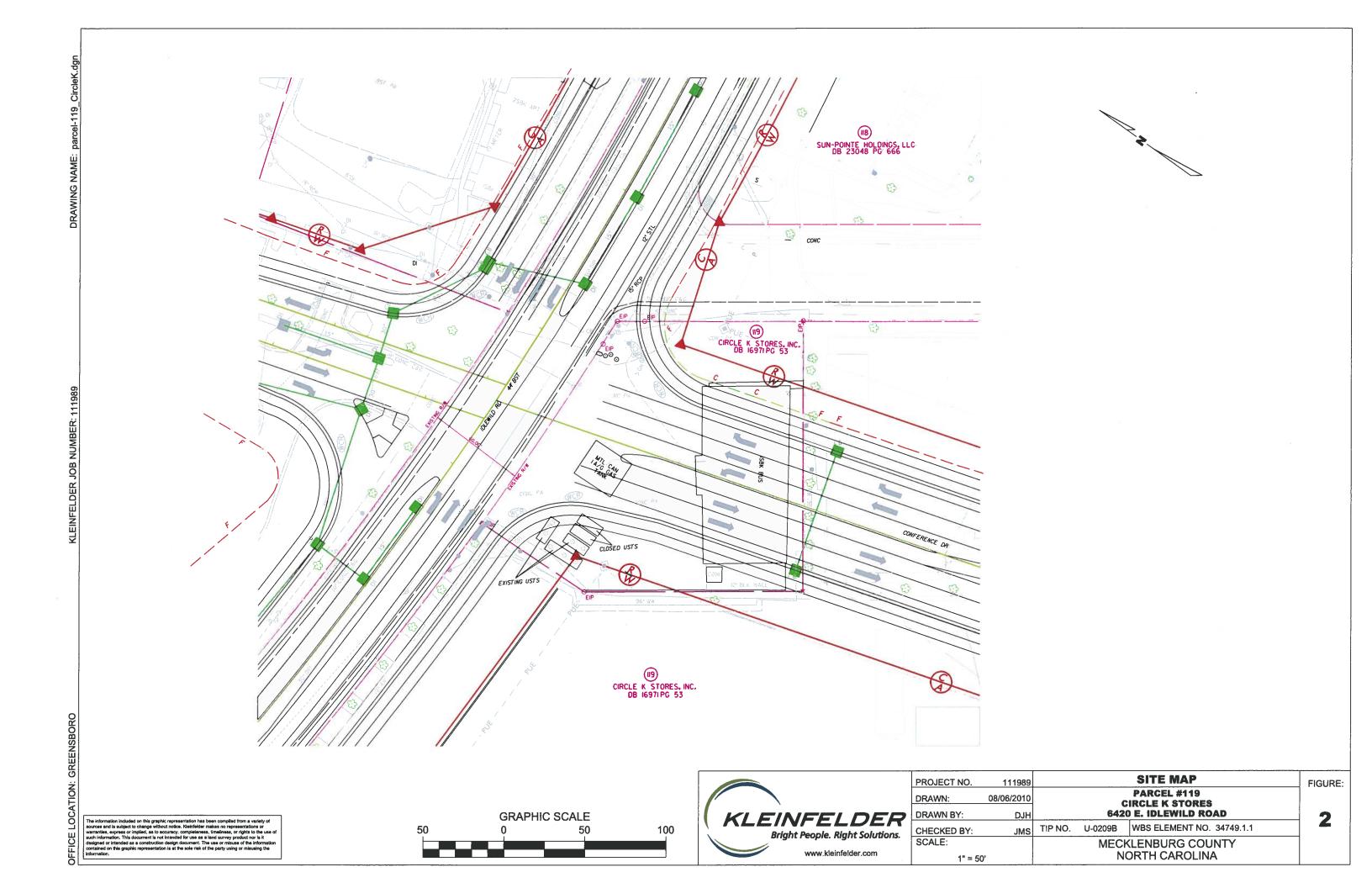
DATE: July 26, 2010

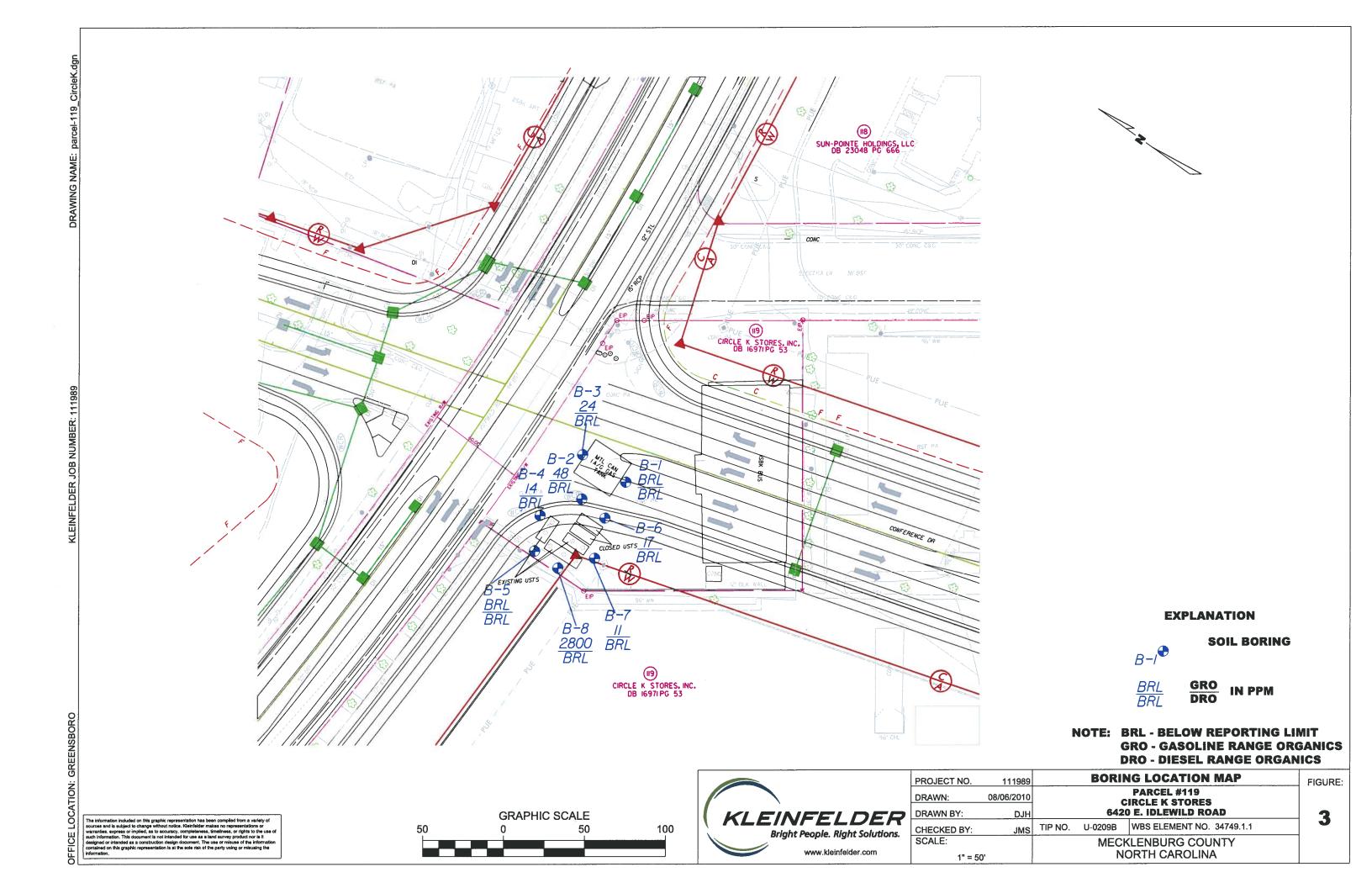
SOURCE: USGS 7.5' Topographic Map, Charlotte East Quadrangle

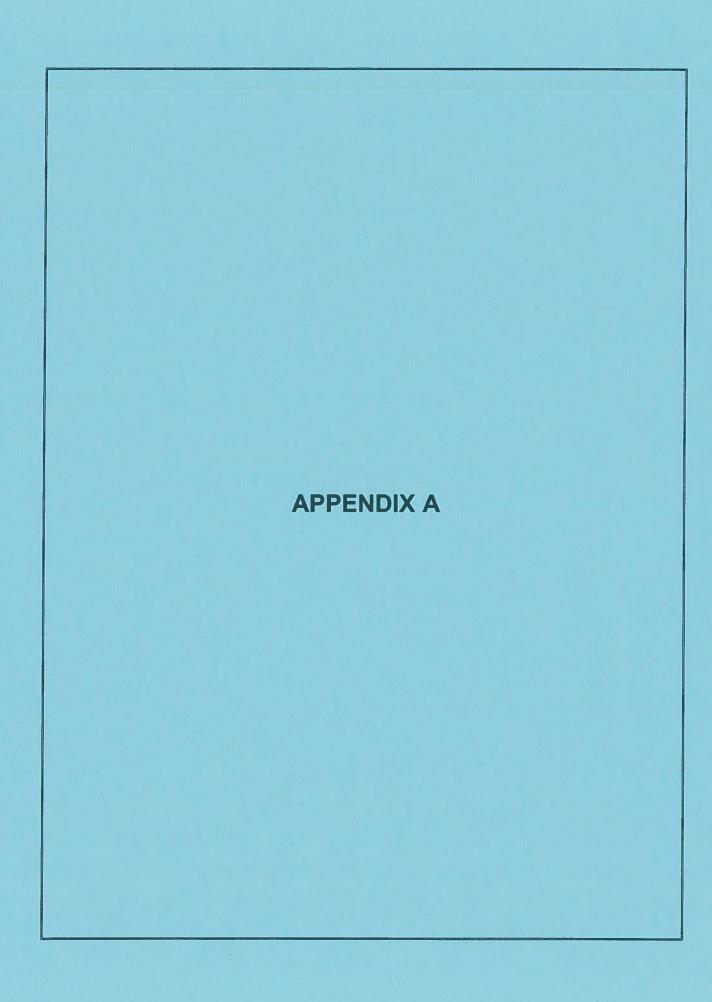
APPROVED BY:

SCALE: 1" to 2,000'

PROJECT NO. 111989







SITE PHOTOGRAPHS KLEINFELDER PROJECT NO. 111989 PARCEL NO. 119



Photograph 1 – View of the Circle K station looking southeast. The UST field is located in the center of the photograph. The dispenser islands are shown to the left (east) of the UST field.



Photograph 2 – View of the Circle K station's dispensers looking northeast. The product lines for the dispensers and USTs are shown to the right (west) of the dispensers.

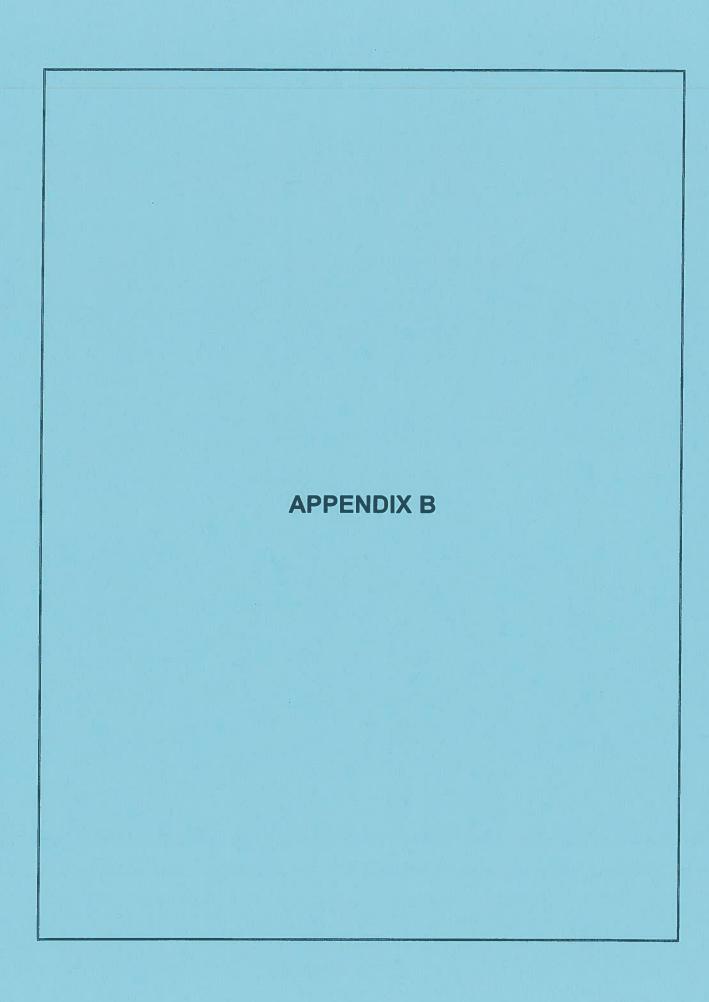
SITE PHOTOGRAPHS KLEINFELDER PROJECT NO. 111989 PARCEL NO. 119



Photograph 3 – View of the southeast corner of UST field in the foreground. Two USTs were closed in 2003 in this area. Refusal encountered at four feet for B-6 in two locations in this area.



Photograph 4 – View of the west side of the UST field looking north.



GEOPHYSICAL INVESTIGATION REPORT

GPR SURVEYS

CIRCLE K STORES, INC. PROPERTY
PARCEL 119
Charlotte, North Carolina

August 10, 2010

Report prepared for:

John Stewart P.G.

Kleinfelder

6200 Harris Technology Boulevard

Charlotte, NC 28269

Prepared by:

Mark J. Denil, P.G.

Reviewed by:

Douglas Canavello, P.G.

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

Kleinfelder GEOPHYSICAL INVESTIGATION REPORT CIRCLE K STORES, INC. PROPERTY PARCEL 119

Charlotte, North Carolina

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1.0 INTRODUCTION

Pyramid Environmental conducted a geophysical investigation for Kleinfelder across the Circle K Stores, Inc. property (Parcel 1119) located at the intersection of Idlewild Road and Electra Lane in Charlotte, North Carolina. Conducted on June 29, 2010 the geophysical investigation was performed as part of the North Carolina Department of Transportation (NCDOT) preliminary site assessment project to determine if unknown, metallic underground storage tanks (UST's) were present beneath the proposed ROW area of the site.

Parcel 119 consists of an active Circle K gas station, store and laundromat. The geophysical survey area covered the entire property which had a maximum length and width of 185 feet and 150 feet, respectively.

Kleinfelder representative Mr. John Stewart, PE provided site maps during the week of June 1, 2010 that outlined the geophysical survey area of the Circle K Stores, Inc. property and Kleinfelder representative Mr. John Lindemann was on site the morning of June 23, 2010 and identified the perimeter of the geophysical survey area to Pyramid Environmental personnel. Photographs of the geophysical equipment used in this investigation and a portion of the Circle K Stores, Inc. property are shown in **Figure 1**.

2.0 FIELD METHODOLOGY

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

After establishing the survey grid, a two-minute recon was performed with the EM61 metal detector across the site. The recon indicated that nearly the entire site contains steel reinforced concrete pavement which eliminated the opportunity to conduct an EM61 metal detection survey.

Consequently, a comprehensive ground penetrating radar (GPR) investigation was conducted across the entire site. using a GSSI SIR-2000 unit equipped with a 400 MHz antenna. Data were digitally collected in a continuous mode along X-axis and/or Y-axis survey lines, spaced 5.0 feet apart using a vertical scan of 512 samples, at a rate of 48 scans per second. A 70 MHz high pass filter and an 800 MHz low pass filter were used during data acquisition with the 400 MHz antenna. GPR data were collected down to a maximum depth of approximately 5 feet, based on an estimated two-way travel time of 8 nanoseconds per foot. All of the GPR data were downloaded to a field computer and reviewed in the field and office using Radprint software.

The purple solid lines in **Figure 2** represent the locations of the GPR survey lines acquired at Parcel 119. Preliminary geophysical results obtained from the Parcel 119 were reported to Mr. Stewart on July 14, 2010.

3.0 <u>DISCUSSION OF RESULTS</u>

An image of GPR survey line Y=55 is presented in **Figure 3** and shows the changes in reflection character from grid lines Y=55 to Y=90 that are probably in response to the active UST pad centered near grid coordinates X=55 Y=70. The GPR data across the active UST pad lacked the high amplitude, hyperbolic GPR anomalies that are usually associated with metallic USTs. Therefore, the absence of the strong anomalies suggests nonmetallic USTs are present at the Circle K Stores property. Furthermore, a determination of whether 3 or 4 USTs were present within the active UST pad could not be made.

Although buried lines and conduits were detected by the GPR investigation, the data suggest that the remaining portion of the Circle K Stores site (excluding the active UST pad) does not contain unknown, metallic USTs.

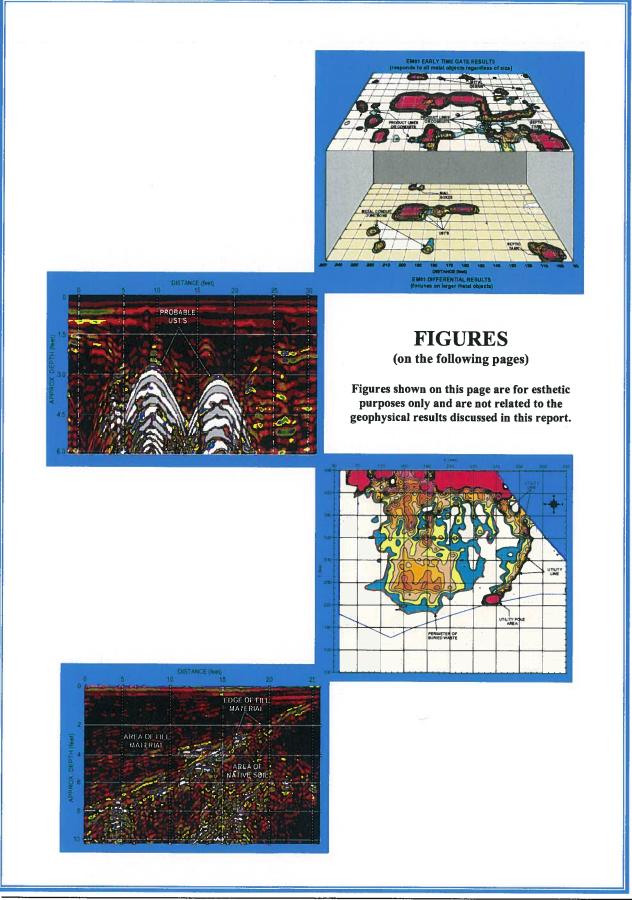
4.0 **SUMMARY & CONCLUSIONS**

Our evaluation of the GPR data collected across the Circle K Stores, Inc. property (Parcel 119) located in Charlotte, North Carolina, provides the following summary and conclusions:

- The GPR surveys provided reliable results for the detection of metallic USTs within the surveyed portions of the site.
- The GPR data across the active UST pad lacked the high amplitude, hyperbolic GPR anomalies that are usually associated with metallic USTs. Therefore, the absence of the strong anomalies suggests nonmetallic USTs are present at the Circle K Stores property. Furthermore, a determination of whether 3 or 4 USTs were present within the active UST pad could not be made.
- Although buried lines and conduits were detected by the GPR investigation, the data suggest that the remaining portion of the Circle K Stores site (excluding the active UST pad) does not contain unknown, metallic USTs.

• 5.0 <u>LIMITATIONS</u>

GPR surveys have been performed and this report prepared for Kleinfelder in accordance with generally accepted guidelines for GPR surveys. It is generally recognized that the results of the GPR investigation are non-unique and may not represent actual subsurface conditions. Excluding the active (known) USTs, the GPR results obtained for this project have not conclusively determined that the site does not contain unknown, buried metallic USTs, but that none were detected.





The photographs show the SIR-2000 GPR system equipped with a 400 MHz antenna that were used to conduct the ground penetrating radar investigation at Parcel 119 on June 29, 2010.



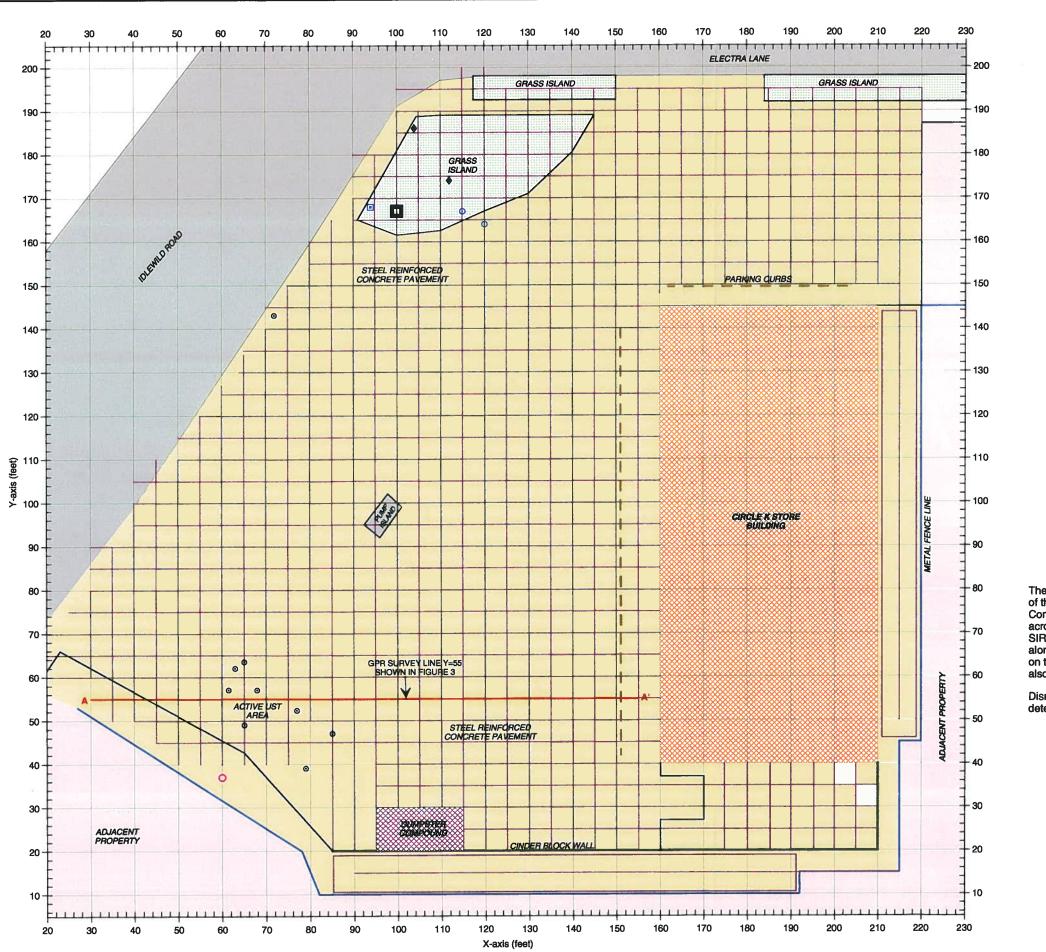
The photograph shows the northern portion of the Circle K Stores, Inc. property (Parcel 119) located at the intersection of Idlewild Road and Electra Lane in Charlotte, North Carolina. The photograph is viewed in southerly direction.



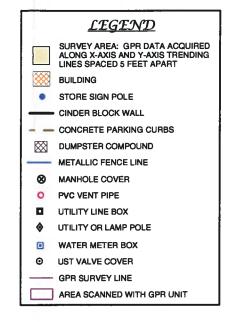
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GEOPHYSICAL EQUIPMENT & SITE PHOTOGRAPHS

FIGURE 1





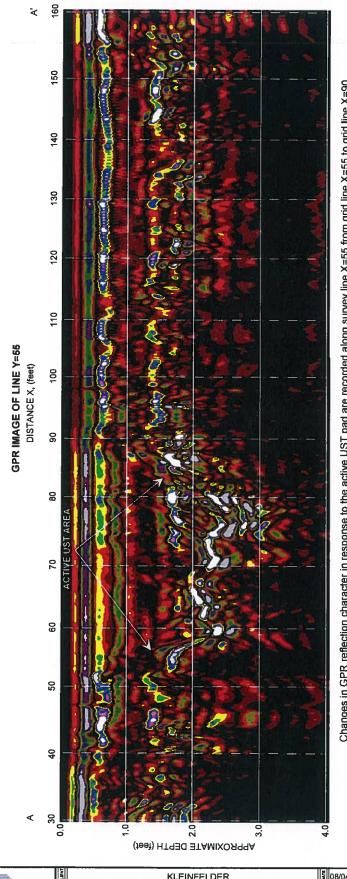


The Circle K property contained steel reinforced concrete across much of the site which did not allow a metal detection survey to be conducted. Consequently, a ground penetrating radar (GPR) survey was conducted across the site on June 29, 2010 using a Geophysical Survey Systems SIR 2000 instrument with a 400 MHz antenna. GPR data were acquired along X-axis and Y-axis lines spaced 5 feet apart (purple lines shown on the map). GPR recons (purple polygons shown on the map) were also conducted along the metal fence and cinder block wall areas.

Disregarding the active and known USTs, the GPR investigation did not detect unknown metallic USTs within the surveyed portion of the site.



TITLE CATY SITE CLIENT



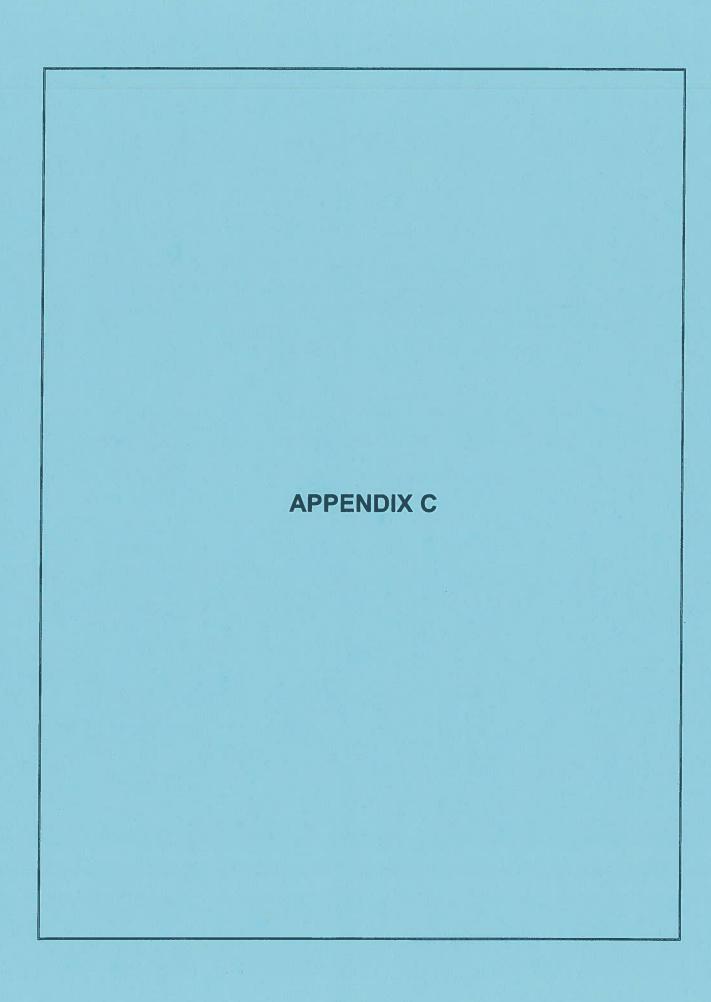
Changes in GPR reflection character in response to the active UST pad are recorded along survey line X=55 from grid line X=55 to grid line X=90. The absence of high amplitude, hyperbolic GPR reflections, which usually identify metallic USTs, suggest the 3 or 4 active USTs are probably nonmetallic USTs. The solid red line labeled AA' in Figure 2 represents the location of GPR survey line Y=55.



THE N	KLEINFELDER	8/04/10 MJD
	CIRCLE K STORES, INC PROPERTY (PARCEL 119)	NA CHANGE COMPANY
ALC:	CHARLOTTE NORTH CAROLINA	DMG
Ē	GEOPHYSICAL RESULTS	2010-153

IMAGE OF GPR SURVEY LINE Y=55

FIGURE 3



Oliona	NODOT					Drill Contractor Proba Toobalogy LOG OF BORIN	IG B-1
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	r <u>1119</u> 89					Drilling Started _7/20/10	
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	T	T	T	1	Ι. Ι	Deput to water	
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-						Gray, Lean CLAY, Tacky, Hard, Moist, Petroleum Odor	+
-	SS		2.1	CL			
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		leinfel		D-:-	, D-	Remarks Sample B-1 collected from 2-4 ft. submitted for laboratory analys	is.
KLEINFL	ELDER G	reens	llimore boro, N	IC 27	409		
	T	elepho ax: 33	one: 3: 36-668	36-66 -3868	8-00 3		
$\overline{}$						See key sheet for symbols and abbreviations used above.	

Client NCD	ОТ				Drill Contractor Probe Techology LOG OF BORIN	NG B-2
Project Name	∍ <u>U-0209</u> B	3			Drill Method 2 inch Direct Push Elevation	-1 1 0
Number 111	1989	_			Drilling Started 7/20/10 Ended 7/20/10 Total Depth 4.0	
Location Pa	rcel 119-Ci	rcle K			Logged By T. Stewart Depth To Water	
DEPTH SAM	8	PID	USCS	ПТНОГОСУ	DESCRIPTION	DEPTH
		+			ray, Brown, Lean CLAY, Hard, Dry, Petroleum Odor	+
	ss	1.8	CL			- - -
5-				-	Boring Terminated at 4 feet in RESIDUAL	+ _
-						- 5 - -
10-				24		_ 10 _
						-
15—						- - 15 -
20-						- - -20
25—						- - - 25
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30-	ð*					30
						-
30 — Salar S	Kleinfel 313 Gal Greensl Telepho Fax: 33	Illimore sboro, N one: 33	NC 274 36-66	'409 8-009	Remarks Sample B-2 collected from 2-4 ft. submitted for laboratory analys See key sheet for symbols and abbreviations used above.	is.

Project	NCDOT Name U					Drill Met	ntractor Probable hod 2 inch D	Direct F	Push	7/20/10	LOG OF Elevation Total Depth 4.0		G B-3
Location	n <u>Parcel</u>	119-Cir	cle K				Logged By T. Stewart				Depth To Water		
DEPTH	SAMPLE NO.	BLOWS/FT	PID	nscs	LITHOLOGY				DESC	RIPTION			DEPTH
-	ss		3.8	CL		rown, Gray, Le	an CLAY, Hai	rd, Dr	/, Petroleu	m Odor			-
5— - -					<i>()///</i>		Во	oring T	erminated	at 4 feet in Ri	ESIDUAL		-5 -
10— - -													- - 10 - -
15-													- 15 -
20													- 20 - -
25													25
30-													- 30
<u> </u>													
KLEINFE	31 G Te	reenst elepho	der Ilimore boro, N one: 33 86-668-	NC 27 36-66	7409 68-00					ected from 2-4	4 ft. submitted for laborate	ory analysis	•

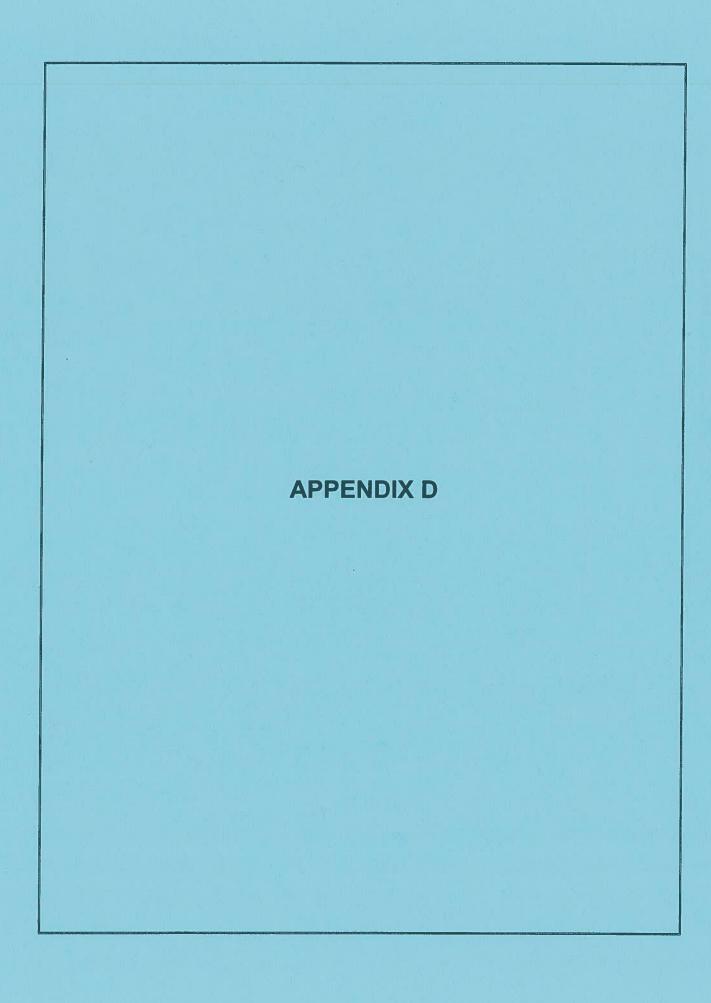
Project Number	NCDOT Name U- 111989					Drill Contractor Probe Techology Drill Method 2 inch Direct Push Drilling Started 7/20/10 Ended 7/20/10 Logged By T. Stewart LOG OF BORIN SHEE Elevation Total Depth 12.0 Depth To Water	IG B-4
DEPTH FEET	SAMPLE NO.	BLOWS/FT	PiD	nscs	LITHOLOGY	DESCRIPTION	DEPTH
-	ss		43.1 16.0	CL		Gray, Lean CLAY, Tacky, Dry, Petroleum Odor	-
5— -			6.4			Gray, Sandy Lean CLAY, Dry, Petroleum Odor	- 5 -
10			25.2	CL			- - - 10
-			20.9			Boring Terminated at 12 feet in RESIDUAL	
15— - -							- 15 -
20— 							- - 20
25—							- 25 -
30-							- - - 30
-							- - -
30-	31 Gr	eenst lepho	der limore poro, N pne: 33 6-668-	IC 27 36-66	'409 8-00		s.

Number	NCDOT Name U- 111989 Parcel		_			Drill Contractor Probe Techology LOG OF BORIN Drill Method 2 inch Direct Push Elevation Drilling Started 7/20/10 Ended 7/20/10 Total Depth 12.0 Logged By T. Stewart Depth To Water	IG B-5
DEPTH FEET	SAMPLE NO.	BLOWS/FT	PID	nscs	LITHOLOGY	DESCRIPTION	DEPTH
5-			0.7	CL		Yellowish Brown, Sandy Lean CLAY, Pulverized, Dry, No Odor	-
-			0.0	CL		Yellowish Brown, Sandy Lean CLAY, Slightly Tacky, Loose, Dry, No Odor	-
10	ss		1.3			Boring Terminated at 12 feet in RESIDUAL	-10 - - -
15—							— 15 - -
20-							- 20 - -
25-							- - 25 - -
30-							- - 30 -
	KIA	einfeld	der	<u></u>		Remarks Sample B-5 collected from 10-12 ft. submitted for laboratory anal	ysis.
KLEINFEL	31 Gr Te	3 Gal eenst lepho	limore boro, None: 33 6-668-	IC 27 36-66	7409 88-00	ad	,

<u> </u>					
Client NCDOT		Drill Contractor Probe Techo	ology	LOG OF BORING	B-6 1 OF 1
Project Name U-0209B		Drill Method 2 inch Direct Pu	ush	Elevation	101 1
Number <u>111989</u>		Drilling Started 7/20/10	Ended _7/20/10	Total Depth 4.0	
Location Parcel 119-Circle K		Logged By T. Stewart		Depth To Water	
DEPTH SAMPLE LYSMOTH PID PPM	SC		DESCRIPTION		DEPTH FEET
20.8	CL	, Sandy Lean CLAY, Hard, Dry,	Petroleum Odor		-
- SS 73.4	SM Brown	n, Fine SAND, Dry, Petroleum C	Odor (Appears Backfill Sa	and)	_
5—		Boring Ter	rminated at 4 feet in RES	SIDUAL	-
					— 5 - - -
10—					- — 10 -
					*
15—					— 15 - -
20-					- - - 20
					-
25—					- 25 -
30—				-	- - 30
	55			-	
Kleinfelder 313 Gallimore Greensboro, N Telephone: 33 Fax: 336-668	NC 27409 36-668-0093		e B-6 collected from 2-4 f	ft. submitted for laboratory analysis.	

Client _	NCDOT					Drill Contractor Probe Techology LOG OF BORIN	IG B-7
Project N	lame <u>U</u>	-0209B	J.			Drill Method 2 inch Direct Push Elevation	1101
Number	111989)	_			Drilling Started 7/20/10 Ended 7/20/10 Total Depth 12.0	
Location	Parcel	119-Cir	rcle K			Logged By _T. Stewart Depth To Water	
DEPTH	SAMPLE NO.	BLOWS/FT	PID	nscs	LITHOLOGY	DESCRIPTION	DEPTH
			1.3	CL		Red Brown, Lean CLAY, Tacky, Hard, Dry, No Odor	-
+			8.4	CL		Gray, Sandy Lean CLAY, Dry, Petroleum Odor (Piece of Scrap Metal between 3-4 ft.)	+
5-	ss		13.8	CL		Gray, Lean CLAY, Tacky, Wet, Petroleum Odor (Piece of Scrap Metal between 4-5 ft.)	<u> </u>
			2.6	CL		Yellowish Brown, Gray, Sandy Lean CLAY, Loose, Dry, Petroleum Odor	+
+	-		10.9			Gray, Lean CLAY, Tacky, Moist, Petroleum Odor	+
10-			7.3	CL			- 10
j	7		1		1111	Boring Terminated at 12 feet in RESIDUAL	+
]							<u> </u>
15-				'			15
+							-
17							
20—							- 20
]							
-							
_ {				5			-
25							- 25
4				1			
1							-
20							}
30				,			 30
4				,			Ţ
-				,			-
							-
			<u></u>				
KLEINFEL	31 LEER G	reenst	der Ilimore boro, N one: 33	NC 27	7409		S.
	Fi	ах: 33	36-668-	-386£	3	See key sheet for symbols and abbreviations used above.	

Project	NCDOT Name _L		3			Drill Contractor Probe Techology LOG OF BORIN SHEE Drill Method 2 inch Direct Push Elevation Drilling Started 7/20/10 Ended 7/20/10 Total Depth 12.0	IG B-8 T 1 OF 1
Location	n <u>Parcel</u>	119-Ci	rcle K			Logged By T. Stewart Depth To Water	
DEPTH FEET	SAMPLE NO.	BLOWS/FT	PID	nscs	LITHOLOGY	DESCRIPTION	DEPTH
			0.0			Red Brown, Yellowish Brown, Gray, Lean CLAY, Hard, Dry, Petroleum Odor	
_							
_			0.0	CL			-
5—	ss		246				- 5
_			2.6			Gray, Silty Lean CLAY, Very Fine, Dry, Petroleum Odor	
-			16.7	CL			-
10-			10.7				10
-			0.0				
-						Boring Terminated at 12 feet in RESIDUAL	-
15—							- - 15
-	i.e						-
							-
20—							-
_							<u>-</u> 20
-							_
-							-
25							25
-							-
-							-
30-							- 30
]							-
							-
]							-
		einfel				Remarks Sample B-8 collected from 4-6 ft. submitted for laboratory analysis	s.
KLEINFE	LDER G	reens	llimore boro, N	IC 27	7409		
	F:	elepho ax: 33	one: 33 36-668-	36-66 -3868	58-0(8	See key sheet for symbols and abbreviations used above.	





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

08/04/2010

Kleinfelder SE, Inc. (NCDOT Project) John Stewart 313 Gallimore Dairy Rd. Greensboro, NC 27409

Project: NCDOT Parcel #119 Project No.: WBS# 34749.1.1 Lab Submittal Date: 07/20/2010 Prism Work Order: 0070539

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.

VP Laboratory Services

Reviewed By

Rose a. J

Data Qualifiers Key Reference:

Aa Surrogates recovered outside established QC range. Matrix interference is suspected.

BRI. **Below Reporting Limit** MDL Method Detection Limit **RPD** Relative Percent Difference

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

reporting limit indicated with a J.



Sample Receipt Summary

08/04/2010

Prism Work Order: 0070539

Cilent Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
B-1 (2-4)	0070539-01	Solid	7/20/10	7/20/10
B-2 (2-4)	0070539-02	Solid	7/20/10	7/20/10
B-3 (2-4)	0070539-03	Solid	7/20/10	7/20/10
B-4 (0-2)	0070539-04	Solid	7/20/10	7/20/10
B-5 (10-12)	0070539-05	Solid	7/20/10	7/20/10
B-6 (2-4)	0070539-06	Solid	7/20/10	7/20/10
B-7 (4-6)	0070539-07	Solid	7/20/10	7/20/10
B-8 (4-6)	0070539-08	Solid	7/20/10	7/20/10

Samples received in good condition at 4.1 degrees C unless otherwise noted.



Laboratory Report

08/04/2010

Kleinfelder SE, Inc. (NCDOT Project)

Attn: John Stewart 313 Gallimore Dairy Rd. Greensboro, NC 27409 Project: NCDOT Parcel #119

Project No.: WBS# 34749.1.1

Sample Matrix: Solid

Client Sample ID: B-1 (2-4)

Prism Sample ID: 0070539-01 Prism Work Order: 0070539

Time Collected: 07/20/10 07:38 Time Submitted: 07/20/10 15:58

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	8.5	1.4	1	*8015C	7/28/10 20:17	GRR	P0G0567
			Surrogate			Recov	/ery	Control I	Limits
			o-Terphenyl			80) %	49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	4.0	0.52	50	*8015C	7/28/10 13:07	HPE	P0G0574
			Surrogate			Recov	/ery	Control L	Limits
			a,a,a-Trifluor	otoluene		10	6 %	55-129	
General Chemistry Parameters									
% Solids	81.7	% by Welght	0.100	0.100	1	*SM2540 G	7/27/10 14:45	JAB	P0G0564







Attn: John Stewart 313 Gallimore Dairy Rd. Greensboro, NC 27409 Project: NCDOT Parcel #119

Project No.: WBS# 34749.1.1

Sample Matrix: Solid

Client Sample ID: B-2 (2-4)

Prism Sample ID: 0070539-02 Prism Work Order: 0070539 Time Collected: 07/20/10 07:49

Time Submitted: 07/20/10 15:58

Parameter	Result	Units	Report	MDL	Dilution	Method	Analysis	Analyst	Batch
			Limit		Factor		Date/Time		ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	8.4	1.4	1	*8015C	7/28/10 20:52	GRR	P0G0567
			Surrogate			Recov	ery	Control I	Limits
			o-Terphenyl			59	%	49-124	
Gasoline Range Organics by GC/FIE)								
Gasoline Range Organics	48	mg/kg dry	7.1	0.92	50	*8015C	7/28/10 13:38	HPE	P0G0574
			Surrogate		1749	Recov	ery	Control i	_imits
			a,a,a-Trifluor	otoluene		10	5 %	55-129	
General Chemistry Parameters									
% Solids	82.9	% by Welght	0.100	0.100	1	*SM2540 G	7/27/10 14:45	JAB	P0G0564







Kleinfelder SE, Inc. (NCDOT Project) Attn: John Stewart 313 Gallimore Dairy Rd. Greensboro, NC 27409 Project: NCDOT Parcel #119

Project No.: WBS# 34749.1.1

Sample Matrix: Solid

Client Sample ID: B-3 (2-4)
Prism Sample ID: 0070539-03
Prism Work Order: 0070539
Time Collected: 07/20/10 07:56

Time Submitted: 07/20/10 15:58

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	7/28/10 22:03	3 GRR	P0G0567
			Surrogate		- 1/2	Recov	ery	Control	Limits
			o-Terphenyl			84	1 %	49-124	
Gasoline Range Organics by GC/FI	D								
Gasoline Range Organics	24	mg/kg dry	4.2	0.54	50	*8015C	7/28/10 14:09	HPE	P0G0574
30 (1)	10.50		Surrogate			Recov	ery	Control	Limits
			a,a,a-Trifluor	otoluene		100	0 %	55-129	<u></u>
General Chemistry Parameters									
% Solids	86.3	% by Weight	0.100	0.100	1	*SM2540 G	7/27/10 14:45	JAB	P0G0564







Attn: John Stewart 313 Gallimore Dairy Rd. Greensboro, NC 27409 Project: NCDOT Parcel #119

Project No.: WBS# 34749.1.1 Sample Matrix: Solid Client Sample ID: B-4 (0-2)
Prism Sample ID: 0070539-04
Prism Work Order: 0070539
Time Collected: 07/20/10 08:05
Time Submitted: 07/20/10 15:58

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	8.4	1.4	. 1	*8015C	7/28/10 22:38	GRR	P0G0567
			Surrogate			Recov	ery	Control	Limits
			o-Terphenyl			86	%	49-124	
Gasoline Range Organics by GC/FII)								
Gasoline Range Organics	14	mg/kg dry	4.6	0.60	50	*8015C	7/28/10 14:41	HPE	P0G0574
			Surrogate			Recov	ery	Control I	Limits
			a,a,a-Trifluoi	rotoluene		10	0 %	55-129	-
General Chemistry Parameters									
% Solids	83.0	% by Welght	0.100	0.100	1	*SM2540 G	7/27/10 14:45	JAB	P0G0564



55-129

JAB

P0G0564





Kleinfelder SE, Inc. (NCDOT Project)

Attn: John Stewart 313 Gallimore Dairy Rd. Greensboro, NC 27409

General Chemistry Parameters

% Solids

Project: NCDOT Parcel #119

Project No.: WBS# 34749.1.1

% by

Weight

Sample Matrix: Solid

78.6

Client Sample ID: B-5 (10-12) Prism Sample ID: 0070539-05 Prism Work Order: 0070539 Time Collected: 07/20/10 08:36

Time Submitted: 07/20/10 15:58

103 %

7/27/10 14:45

*SM2540 G

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	8.9	1.4	1	*8015C	7/28/10 23:14	GRR	P0G0567
			Surrogate			Reco	very	Control I	_imits
			o-Terphenyl			73	3 %	49-124	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	5.4	0.70	50	*8015C	7/28/10 15:12	HPE	P0G0574
			Surrogate			Reco	/егу	Control I	imits.

a,a,a-Trifluorotoluene

0.100

1

0.100







Attn: John Stewart 313 Gallimore Dairy Rd. Greensboro, NC 27409 Project: NCDOT Parcel #119

Project No.: WBS# 34749.1.1

Sample Matrix: Solid

Client Sample ID: B-6 (2-4) Prism Sample ID: 0070539-06 Prism Work Order: 0070539

Time Collected: 07/20/10 08:59 Time Submitted: 07/20/10 15:58

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	8.9	1.4	1	*8015C	7/28/10 23:50	GRR	P0G0567
		17.00	Surrogate			Recov	/ery	Control	Limits
			o-Terphenyl		7111	82	2 %	49-124	
Gasoline Range Organics by GC/Fil)								
Gasoline Range Organics	17	mg/kg dry	4.6	0.60	50	*8015C	7/28/10 15:43	HPE	P0G0574
			Surrogate			Recov	/ery	Control I	Limits
			a,a,a-Trifluoro	otoluene		93	1%	55-129	
General Chemistry Parameters									
% Solids	78.6	% by Weight	0.100	0.100	1	*SM2540 G	7/27/10 14:45	JAB	P0G0564





Attn: John Stewart 313 Gallimore Dairy Rd. Greensboro, NC 27409 Project: NCDOT Parcel #119

Project No.: WBS# 34749.1.1

Sample Matrix: Solid

Client Sample ID: B-7 (4-6)
Prism Sample ID: 0070539-07

Prism Work Order: 0070539
Time Collected: 07/20/10 09:20
Time Submitted: 07/20/10 15:58

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	8.3	1.3	1	*8015C	7/29/10 0:25	GRR	P0G0567
		1977	Surrogate			Recov	ery	Control	Limits
			o-Terphenyl			87	'%	49-124	
Gasoline Range Organics by GC/Fil)								
Gasoline Range Organics	11	mg/kg dry	6.1	0.79	50	*8015C	7/28/10 16:15	HPE	P0G0574
		10, 1000	Surrogate			Recov	ery	Control	Limits
			a,a,a-Trifluor	otoluene		12:	3 %	55-129	
General Chemistry Parameters									
% Solids	84.5	% by Weight	0.100	0.100	1	*SM2540 G	7/27/10 14:45	JAB	P0G0564



Kleinfelder SE, Inc. (NCDOT Project) Attn: John Stewart

313 Gallimore Dairy Rd. Greensboro, NC 27409

Project: NCDOT Parcel #119

Project No.: WBS# 34749.1.1 Sample Matrix: Solid

Client Sample ID: B-8 (4-6) Prism Sample ID: 0070539-08 Prism Work Order: 0070539 Time Collected: 07/20/10 09:36

Time Submitted: 07/20/10 15:58

08/04/2010

Parameter Result Dilution Units MDL Method Analysis Analyst Report Batch Limit Factor Date/Time ID Diesel Range Organics by GC/FID **Diesel Range Organics** 2800 mg/kg dry 45 7.3 5 *8015C 7/29/10 1:00 P0G0567 GRR Surrogate Recovery Control Limits o-Terphenyl 1120 % 49-124 Aa

Gasoline Range Organics by GC/FID

Gasoline Range Organics 19 mg/kg dry 4.8 *8015C 7/28/10 16:46 0.62 50 HPE P0G0574 Surrogate Recovery **Control Limits** a,a,a-Trifluorotoluene 89 % 55-129 **General Chemistry Parameters** % Solids 77.8 % by 0.100 0.100 1 *SM2540 G 7/27/10 14:45 P0G0564 JAB Welght



Attn: John Stewart 313 Gallimore Dairy Rd. Greensboro, NC 27409 Project: NCDOT Parcel #119

Prism Work Order: 0070539

Time Submitted: 7/20/10 3:58:00PM

Project No: WBS# 34749.1.1

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 P0G0574 - 5035										
Blank (P0G0574-BLK1)				Prepared	& Analyze	d: 07/28/1	0	-		
Gasoline Range Organics	BRL	5.0	mg/kg wet		-276				-/v :	
Surrogate: a,a,a-Trifluorotoluene	4.65		mg/kg wet	5.00		93	55-129			
LCS (P0G0574-BS1)				Prepared	& Analyze	d: 07/28/1	0			
Gasoline Range Organics	42.3	5.0	mg/kg wet	50.0		85	67-116			
Surrogate: a,a,a-Trifluorotoluene	5.30		mg/kg wet	5.00		106	55-129			
LCS Dup (P0G0574-BSD1)				Prepared	& Analyze	d: 07/28/1	0			
Gasoline Range Organics	42.2	5.0	mg/kg wet	50.0		84	67-116	0.1	200	
Surrogate: a,a,a-Trifluorotoluene	<i>5.35</i>		mg/kg wet	5.00		107	55-129			
Matrix Spike (P0G0574-MS1)	Sou	urce: 007053	9-01	Prepared	& Analyze	d: 07/28/1	0			
Gasoline Range Organics	61.0	6.1	mg/kg dry	61.2	BRL	100	57-113			V
Surrogate: a,a,a-Trifluorotoluene	7.22		mg/kg dry	6.12		118	55-129			
Matrix Spike Dup (P0G0574-MSD1)	Sou	ırce: 007053	9-01	Prepared	& Analyze	d: 07/28/1	0			
Gasoline Range Organics	61.6	6.1	mg/kg dry	61.2	BRL	101	57-113	1	23	
Surrogate: a,a,a-Trifluorotoluene	7.28		mg/kg dry	6.12		119	55-129			



Attn: John Stewart

313 Gallimore Dairy Rd. Greensboro, NC 27409

Project: NCDOT Parcel #119

Prism Work Order: 0070539

Time Submitted: 7/20/10 3:58:00PM

Project No: WBS# 34749.1.1

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 P0G0567 - 3545A										
Blank (P0G0567-BLK1)				Prepared:	07/27/10	Analyzed	: 07/28/10			**
Diesel Range Organics	BRL	7.0	mg/kg wet		12 12	-W-84-				
Surrogate: o-Terphenyl	1.25		mg/kg wet	1.60		78	49-124			
LCS (P0G0567-BS1)				Prepared:	07/27/10	Analyzed	: 07/28/10			
Diesel Range Organics	59.0	7.0	mg/kg wet	79.7		74	55-109			
Surrogate: o-Terphenyl	1.77		mg/kg wet	1.59		111	49-124			
LCS Dup (P0G0567-BSD1)			F	repared:	07/27/10	Analyzed	: 07/28/10			
Diesel Range Organics	65.1	7.0	mg/kg wet	79.7		82	55-109	10	200	
Surrogate: o-Terphenyl	1.88		mg/kg wet	1.59		118	49-124			

Sample Extraction Data

Prep M	ethod:	3545A
--------	--------	-------

Lab Number	Batch	Initial	Final	Date	
0070539-01	P0G0567	25.1 g	1 mL	07/27/10	
0070539-02	P0G0567	24.99 g	1 mL	07/27/10	
0070539-03	P0G0567	25.18 g	1 mL	07/27/10	
0070539-04	P0G0567	25.07 g	1 mL	07/27/10	
0070539-05	P0G0567	25.04 g	1 mL	07/27/10	
0070539-06	P0G0567	25.09 g	1 mL	07/27/10	
0070539-07	P0G0567	25.01 g	1 mL	07/27/10	
0070539-08	P0G0567	25 g	1 mL	07/27/10	
Prep Method: 5035					
Lab Number	Batch	Initial	Final	Date	
0070539-01	P0G0574	7.7 g	5 mL	07/28/10	
0070539-02	P0G0574	4.25 g	5 mL	07/28/10	
0070539-03	P0G0574	6.93 g	5 mL	07/28/10	
0070539-04	P0G0574	6.5 g	5 mL	07/28/10	
0070539-05	P0G0574	5.88 g	5 mL	07/28/10	
0070539-06	P0G0574	6.87 g	5 mL	07/28/10	
0070539-07	P0G0574	4.89 g	5 mL	07/28/10	
0070539-08	P0G0574	6.71 g	5 mL	07/28/10	
NO PREP					
Lab Number	Batch	Initlai	Final	Date	
0070539-01	P0G0564	30 g	30 mL	07/27/10	
0070539-02	P0G0564	30 g	30 mL	07/27/10	
0070539-03	P0G0564	30 g	30 mL	07/27/10	
0070539-04	P0G0564	30 g	30 mL	07/27/10	
0070539-05	P0G0564	30 g	30 mL	07/27/10	
0070539-06	P0G0564	30 g	30 mL	07/27/10	
0070539-07	P0G0564	30 g	30 mL	07/27/10	
0070539-08	P0G0564	30 g	30 mL	07/27/10	

		- 30
Full-Service Analytical &	Environmental Solutions	
	ろりの意味	LABORATORIES, INC.

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543 Phone: 704/529-6364 • Fax: 704/525-0400 6-668-000 Fax (Yes) Report To/Contact Name Client Company Name: _ Reporting Address: __ Phone:

CHAIN OF CUSTODY RECORD

*Please ATTACH any project specific reporting (QC LEVEL I II III IV) **UST Project:** Short Hold Analysis: (Yes) (No) MCDOT Project Name: _ - OF-PAGE

Invoice To: Address:

provisions and/or AC Requirements

LAB USE ONLY	NA ON YES	Received ON WELTER Tains PL	PROPER PRESERVATIVES INDICATED	Bed Witness	CUSTODY-SEALSANTACTO	VOLATILESIONE WOLT READSPACE?	PROPER CONFUNERS MARIN	
	- C(1)	 	l I	(ESS)	MY 1	A. A. Care	rii I	لتن

Sample Iced Upon Collection: YES 7 USACE SC___OTHER Water Chlorinated: YES__ NO __ Certification: NELAC andard 10 days C Pre-Approved Tumaround time is based on business days, excluding weekends and holidays. (SEE REVERSE FOR TETAIS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT) Requested Due Date 0 1 Day 0 2 Days 0 3 Days 0 4 Days 0 5 Days Samples received after 15:00 will by processed next business day. Purchase Order No./Billing-Reference O 6-9 Days

"Working Days"

Site Location Physical Address:

ACCE

Site Location Name:

Email (Yes) No) Email Address

EDD Type: PDF_DX_Excel_

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL 4

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Ω.		SAMPLE CONTAINER	AINER	PRESERVA.	A CO	ANALYSES REQUESTED		PRISM
MILITARY W	WATER OR *TYPE SLUDGE) SEE BELOW	OW NO.	SIZE	TIVES	3		REMARKS	LAB ID NO.
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9630	R	6			メ			
6830	R	3			×			04
0920	B	3			X			2
9880	\$	¢		\triangleright	イイ			8
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our authoritinger. There	pon relinquishing, this dhain of custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be abmitted in writing to each prom, Project Manager. There will be charges for any changes after analyses have been initialized.	any changes	the analyses after analys	s as requested ab	ove. Any changes alized.	must be	PRISM USE ONLY	SE ONLY
	Received By: (Signature)	ature)			ジアン語の	y/Hours	Additional Comments:	だ。はこのでが

W65#

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7-20-10 H=47

RANSPORTATION TO THE LABORATORY

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTAT! SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY

☐ Prism Field Service GROUNDWATER: ONC OSC

Hand-delivered

O Fed Ex O UPS NPDES:

Relinquished By: (Signature)

ONC OSC ONC OSC

5

Received By: (Signature)

SEE REVERSE FOR TERMS & CONDITIONS

Page 14 of 14

ONC OSC

ONC OSC LANDFILL

RCRA: CERCLA

SOLID WASTE: ONC OSC

DRINKING WATER:

ONC OSC

OTHER:

De30539

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