Preliminary Site Assessment Report

November 14, 2018 (Updated November 20, 2018)
WBS Element: 44625.1.1
State Project: U-5888
Haywood County

at

Rebecca J. Robinson Property
Parcel #022
808 N Main Street, Waynesville, NC 28786
PIN #: 8615-59-8558
Facility ID No.: 00-0-0000017830
Groundwater Incident No.: 18816

Prepared For:

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Keith C. Seramur, P.G.

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1.0 Introduction

1.1 General Site Background Information

Seramur & Associates, PC was contracted to complete a Preliminary Site Assessment (PSA) at:

Rebecca J. Robinson Property
Parcel #022
PIN #: 8615-59-8558
808 N Main Street, Waynesville, NC 28786
Facility ID No.: 00-0-0000017830
Groundwater Incident No.: 18816

This property is located on the southeast side of Main Street between the intersections with Walnut Street and Marshall Street (Figure 1). The property currently operates as a convenience store that sells fuel and as The Water'n Hole, a restaurant and bar. A construction easement runs nearly parallel to Main Street along the northwest side of the property. The northern corner of the property is part of the proposed Right-of-Way (R/W). A Permanent Utility Easement (PUE) is located in the southwest corner of the property (Figure 2). It is our understanding that the proposed R/W and easements are being investigated as part of a traffic circle being built to replace the current intersection.

2.0 Scope of Work

The PSA scope of work included completing a geophysical survey at the property to investigate the potential for underground storage tanks within the proposed R/W and easements. Following the geophysical survey, soil sampling and analyses were performed to assess soil quality and estimate the volume of potentially contaminated soil at the site (Figure 3).

2.1 Background Research

According to Haywood County Tax Administration records, the property is currently owned by Rebecca J. Robinson. A review of historic aerial photographs showed that the property was developed by the 1960's, and perhaps earlier. Haywood County Tax Administration records show the construction records for the property. The gas station and neighboring restaurant are shown as being completed in 1972. The part of the neighboring strip mall on the property is shown as being completed in 1984. The facility number for this property is 00-0-0000017830. The incident number associated with this property is 18816.

A UST Closure Report was obtained from NCDEQ. The report indicates that one 4,000 gallon UST was closed in place by filling it with foam in March of 1998. Because the UST is supposedly partially underneath the building, it could not be removed from its excavation. Soil samples and a groundwater sample were collected during the closure procedure. Soil samples and the groundwater sample were analyzed. Two soil samples and the groundwater sample contained petroleum constituents well above the regulatory limits. A Notice of No Further Action was issued for the site on September 3, 1998. Mr. Garic Williams of the NCDEQ ARO

stated in a phone conversation on November 13, 2018, that this incident file has recently been formally closed.

Seramur and Associates personnel made a pedestrian reconnaissance of the property during the initial site visit on September 25, 2018. The proposed work area was marked with white paint for utility locating purposes. A utility locate request was initiated with the North Carolina 811 system on October 14, 2018, approximately one week before commencing with drilling.

2.2 Plate 1 – Photo of Parcel #022

Plate 1 - Photo of Parcel #022 (10/10/18)

1. View of Parcel #022 from the parking lot of Parcel #008.

2.3 Geophysical Surveys

Due to the limited area that the R/W and easements occupy on the property and because of continuous traffic, Seramur & Associates was not able to set up grids for a geophysical survey at Parcel #022. The GPR and magnetometer were used to survey areas that were within the proposed R/W and easements (Figures 4 and 5)

The Magnetometer survey was completed with a MF-1 Fluxgate magnetometer. The MF-1 Fluxgate magnetometer is designed to measure changes in the Earth's magnetic field associated with larger ferrous objects. It does not respond to smaller objects such as nails or wire, but responds well to variations in the Earth's magnetic field produced by manholes, steel pipe, buried drums and tanks. The sensitivity level is well suited for detecting buried USTs at commercial and industrial facilities.

A Ground Penetrating Radar (GPR) survey was completed across the grids using Geophysical Survey Systems, Inc. 400 MHz antenna and a SIR-3000 Single Channel Data Acquisition System with a calibrated survey wheel. The GPR data was downloaded and saved onto a computer. The data from the GPR transects collected during our survey were processed using Radan® software.

2.4 Soil Sampling and Analyses

Carolina Soil Investigations, LLC mobilized to the site on October 24th, 2018 to drill Geoprobe borings and collect soil samples. Our project design called for collecting a shallow and deep soil sample from each boring (Figure 3). The purpose of collecting samples at a depth of ~3.0 feet is to test for petroleum releases related to surface spills and releases from product lines. The purpose of collecting samples at a depth of ~9.0 feet is to test for petroleum releases related to underground storage tanks. Soil samples were collected at other depths within the Geoprobe cores if soil staining or petroleum vapors were observed or if limited core recovery occurred. Soil borings were drilled in the proposed easements located along North Main Street on the west side of the property (Figure 3).

A track-mounted Geoprobe rig was used to drill a total of five soil borings. A new pair of Nitrile gloves was worn while collecting each soil sample. A representative portion of each soil sample was placed in a zip lock bag and allowed to rest for a period of time to allow volatile vapors to accumulate in the headspace of the bag. A calibrated Photoionization detector (PID) was used to screen the headspace in each bag and the concentration of volatile petroleum vapors was measured and recorded (Table 1). The texture and type of soil material in the Geoprobe cores was described and recorded. Table 1 lists the soil boring data including sample number, depth, PID reading, lithology and type of soil material.

Samples were collected and shipped on ice to REDLab, LLC, in Wilmington, NC for laboratory analyses. REDLab analyzed the soil samples for petroleum constituents by Ultra-Violet Fluorescence using a QED HC-1 analyzer. The analytical results are reported as Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) and Total Petroleum as Hydrocarbons (TPH). REDLab provides a hydrocarbon spectrum with each of the sample results. This spectrum is used for a tentative identification of the type of hydrocarbon detected by the analytical method. A hydrocarbon fingerprint is interpreted by REDLab for each sample using a library search of spectra for known hydrocarbon types and concentrations. The laboratory reports and fingerprint spectra are included in Appendix B.

SAPC personnel observed vaults for four monitoring wells during our site visits. Only one of these wells is within the proposed TCE and it has been drawn on the site plan (Figure 2).

3.0 Results of Investigation

Parcel #022 contains a convenience store that sells fuel and a bar and restaurant in the connected building. One UST incident has been reported at the site. NCDEQ reported that this incident file has been closed.

3.1 Geophysical Surveys

Magnetometer Survey

Two magnetic anomalies were identified during the geophysical surveys at Parcel #022. These were a steel monitoring well vault and a magnetic nail that was driven into the asphalt by the surveyors.

GPR Survey

The GPR profiles showed small hyperbolae at the location of underground utilities that lead to the store and restaurant/bar. No evidence of USTs or a UST system was recorded in the R/W or easements by the geophysical surveys.

3.2 Soil Borings, Sampling and Laboratory Results

The soil type at Parcel #022 consisted of a sandy silt saprolite (Table 1). Groundwater was not encountered in any of the soil borings.

Borings B-26 through B-30 were drilled along North Main Street within the easements from the north side of the property towards the south side of the property.

Petroleum constituents were detected in two of the ten soil samples sent to the laboratory (Table B-3). GRO and DRO concentrations were not detected above 2.1 ppm in either of these soil samples.

3.3 Volume and Extent of Soil Contamination

Contaminated soil, defined as GRO concentrations above 50 ppm and DRO concentrations above 100 ppm, was not detected in soil samples collected at Parcel #022.

3.4 Conclusions

No evidence of a UST system was found within the Right-of-Way or easements of Parcel #022 during this PSA.

Laboratory analyses of soil samples collected within the proposed Right-of-Way and easement on Parcel #022 did not detect concentrations of GRO and DRO constituents above their respective action levels.

3.5 Recommendations

SAPC recommends that no further assessment work take place on the property at this time.

Appendix A

Tables and Figures

Table 1. Soil Boring Data - Parcel #022 - Rebecca J. Robinson Property						
Boring No.	**Depth (ft)**	**Lithology**	**Soil type**	**Soil Sample**	**PID ppm**	**Comments**
B-26	0.0 to 5.0	Sandy Silt	Saprolite	S-50	N/A	Sample at 3.0 feet.
B-26	5.0 to 10.0	Sandy Silt	Saprolite	S-51	N/A	Sample at 9.0 feet.
B-27	0.0 to 5.0	Sandy Silt	Saprolite	S-52	0.7	Sample at 3.0 feet.
B-27	5.0 to 10.0	Sandy Silt	Saprolite	S-53	5.8	Sample at 9.0 feet.
B-28	0.0 to 5.0	Sandy Silt	Saprolite	S-54	0.1	Sample at 3.0 feet.
B-28	5.0 to 10.0	Sandy Silt	Saprolite	S-55	8.0	Sample at 8.5 feet.
B-29	0.0 to 5.0	Sandy Silt	Saprolite	S-56	0.1	Sample at 3.0 feet.
B-29	5.0 to 10.0	Sandy Silt	Saprolite	S-57	0.0	Sample at 9.0 feet.
B-30	0.0 to 5.0	Sandy Silt	Saprolite	S-58	0.1	Sample at 3.0 feet.
B-30	5.0 to 10.0	Sandy Silt	Saprolite	S-59	0.1	Sample at 8.5 feet.
*Top 1.0 foot of each boring consists of concrete, gravel and fill material.						

Table B-3: Summary of Soil Sampling Results
Revision Date: 10/25/18
Incident Name: Rebecca J. Robinson Property
Parcel ID#: 022

Analytical Method (e.g., VOC by EPA 8260) →					UVF	UVF
Contaminant of Concern →					TPH GRO (mg/kg)	TPH DRO (mg/kg)
Sample ID	**Date Collected** (mm/dd/yy)	**Source Area**	**Sample Depth** (ft. BGS)	**Incident Phase**		
S-50	10/24/18	B-26	3.0	PSA	<0.59	0.1
S-51	10/24/18	B-26	9.0	PSA	<0.59	<0.24
S-52	10/24/18	B-27	3.0	PSA	<0.60	<0.24
S-53	10/24/18	B-27	9.0	PSA	<0.58	<0.23
S-54	10/24/18	B-28	3.0	PSA	<0.55	<0.22
S-55	10/24/18	B-28	8.5	PSA	1.3	2.1
S-56	10/24/18	B-29	3.0	PSA	<0.56	<0.22
S-57	10/24/18	B-29	9.0	PSA	<0.60	<0.24
S-58	10/24/18	B-30	3.0	PSA	<0.49	<0.19
S-59	10/24/18	B-30	8.5	PSA	<0.53	<0.21
NC DEQ Action Level (mg/kg)					50	100

ft. BGS = feet below ground surface
mg/kg =milligrams per kilogram

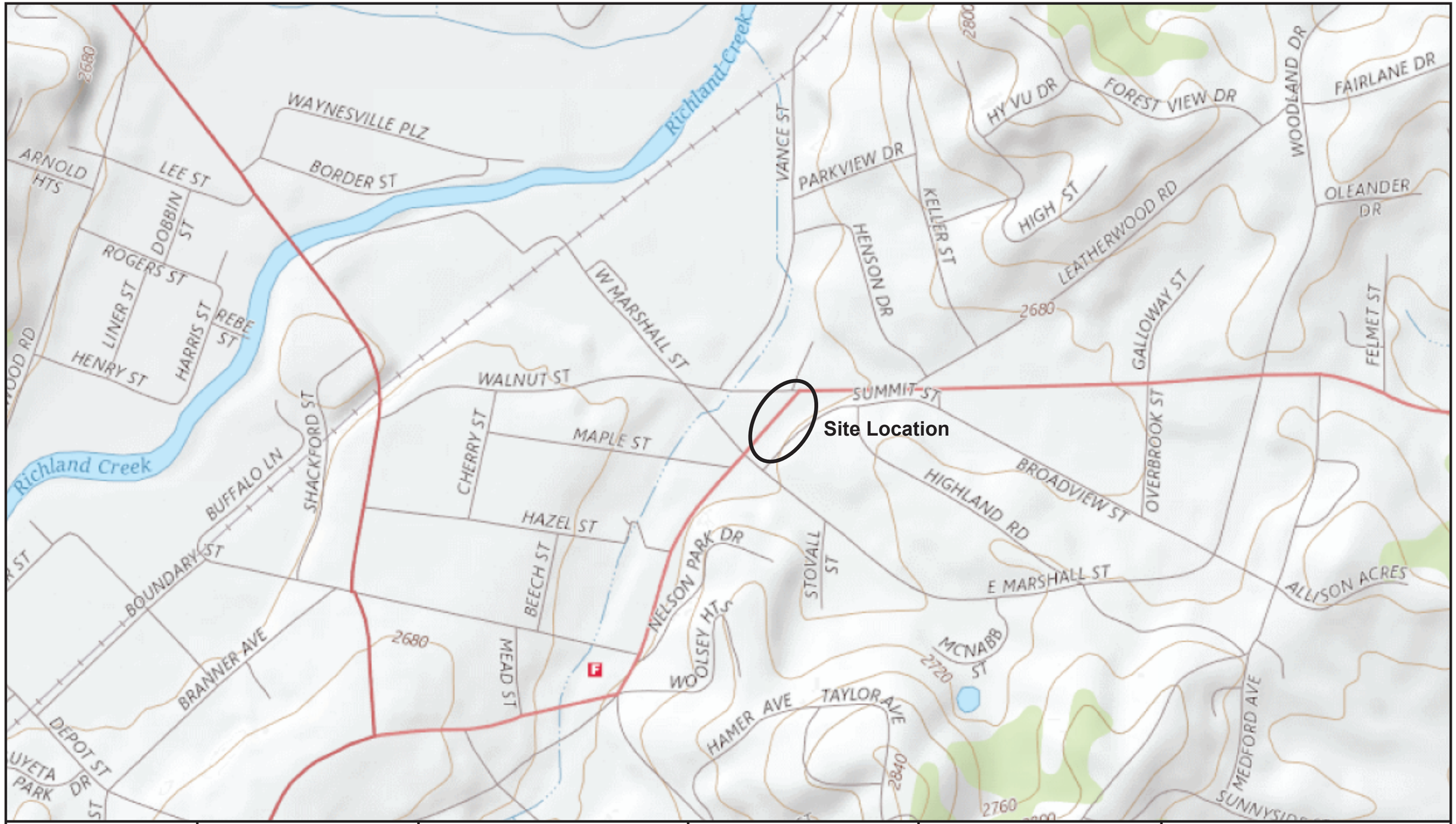


Figure 1 Site Location Map Source: U.S.G.S. The National Map	State Project: U-5888 Haywood County, NC	Rebecca J. Robinson Property 808 N Main Street Waynesville, NC	Parcel #022 Facility I.D.: 0-0-17830	Seramur & Associates, PC Boone, NC	0 300 600 Feet N

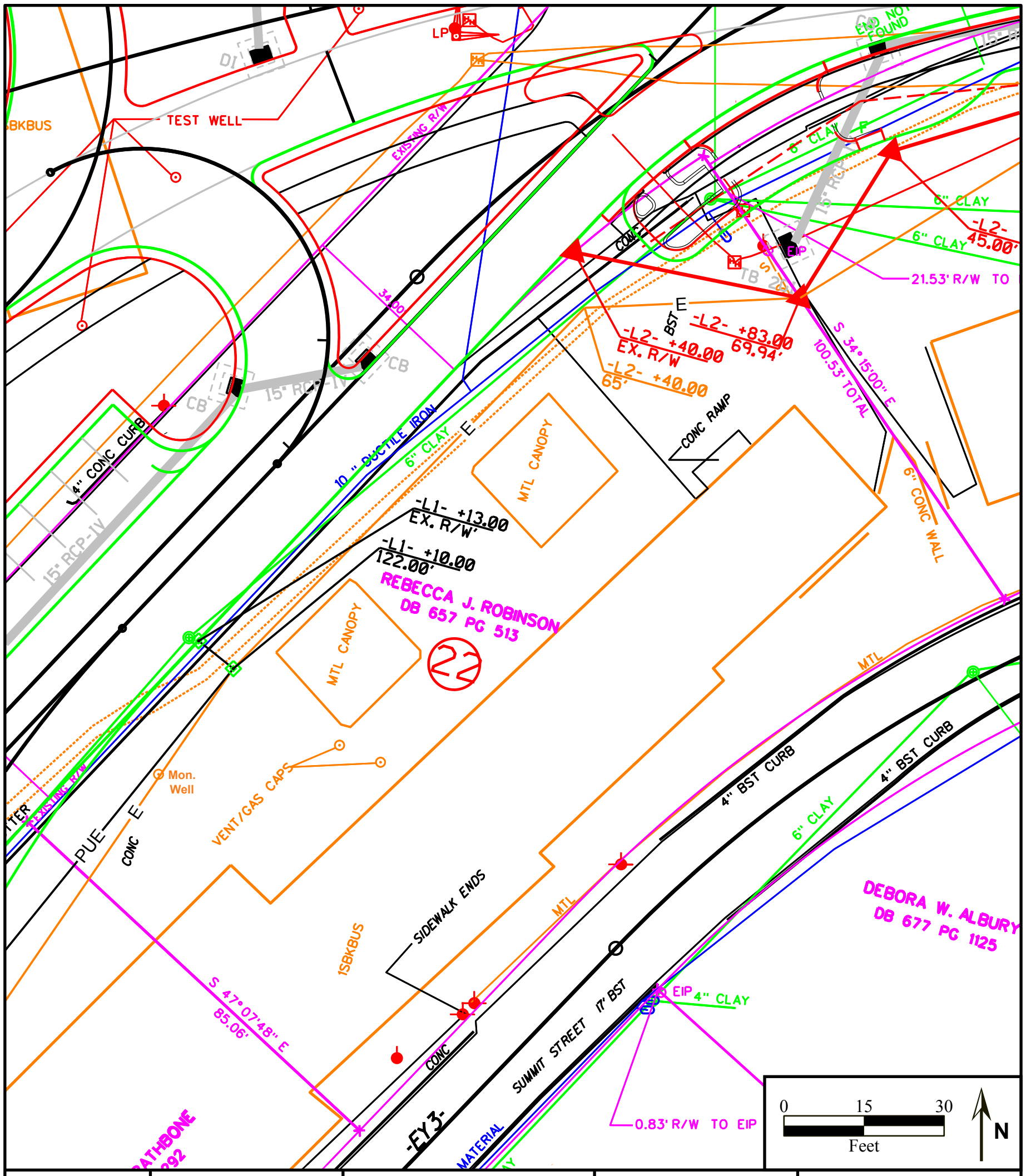


Figure 2 Site Plan	State Project: U-5888 Haywood County, NC	Rebecca J. Robinson Property 808 N Main Street Waynesville, NC	Parcel #022 Facility I.D.: 0-0-17830	Seramur & Associates, PC Boone, NC

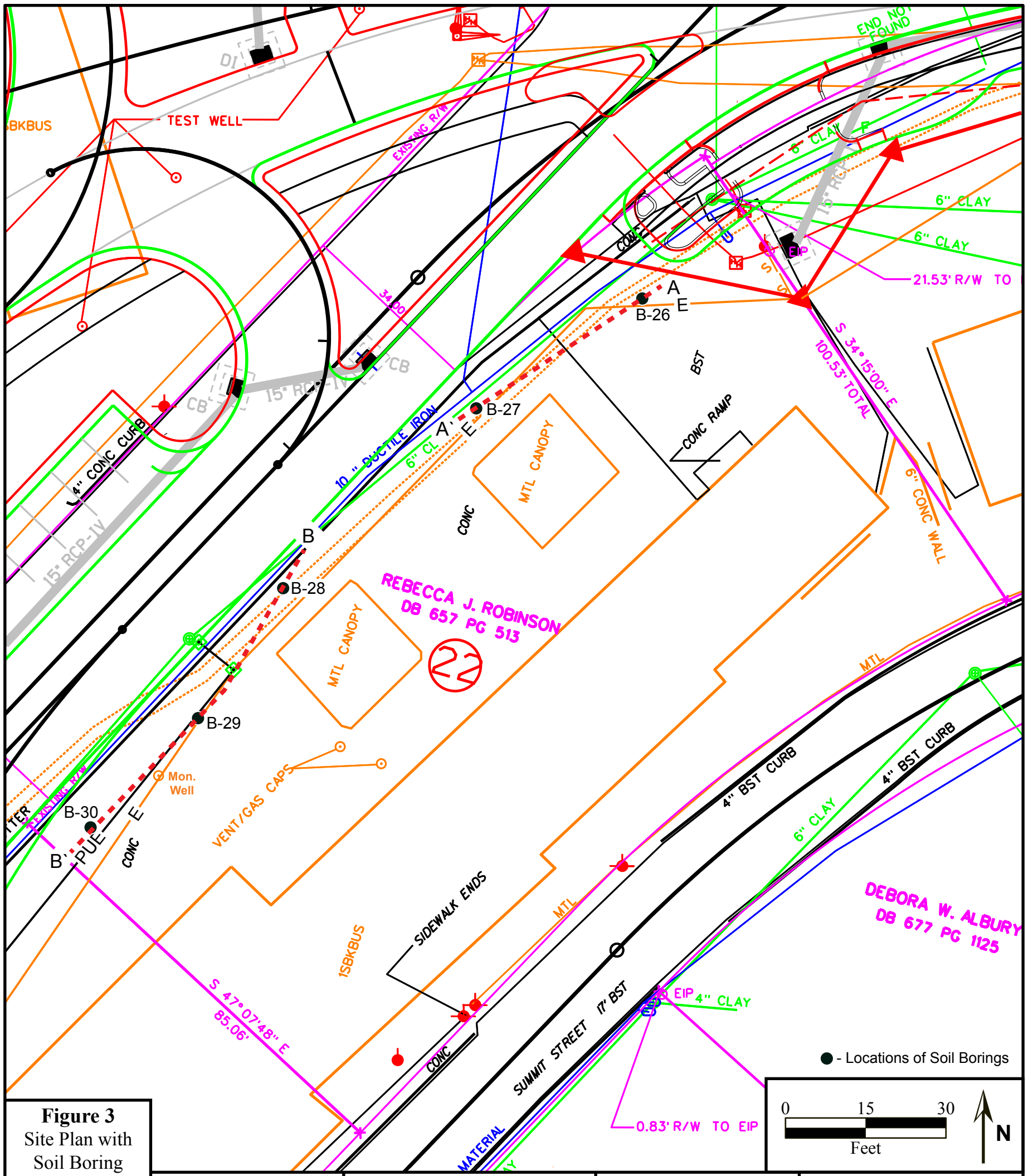


Figure 3 Site Plan with Soil Boring Locations and Approximate Cross-Section Locations	State Project: U-5888 Haywood County, NC	Rebecca J. Robinson Property 808 N Main Street Waynesville, NC	Parcel #022 Facility I.D.: 0-0-17830	Seramur & Associates, PC Boone, NC

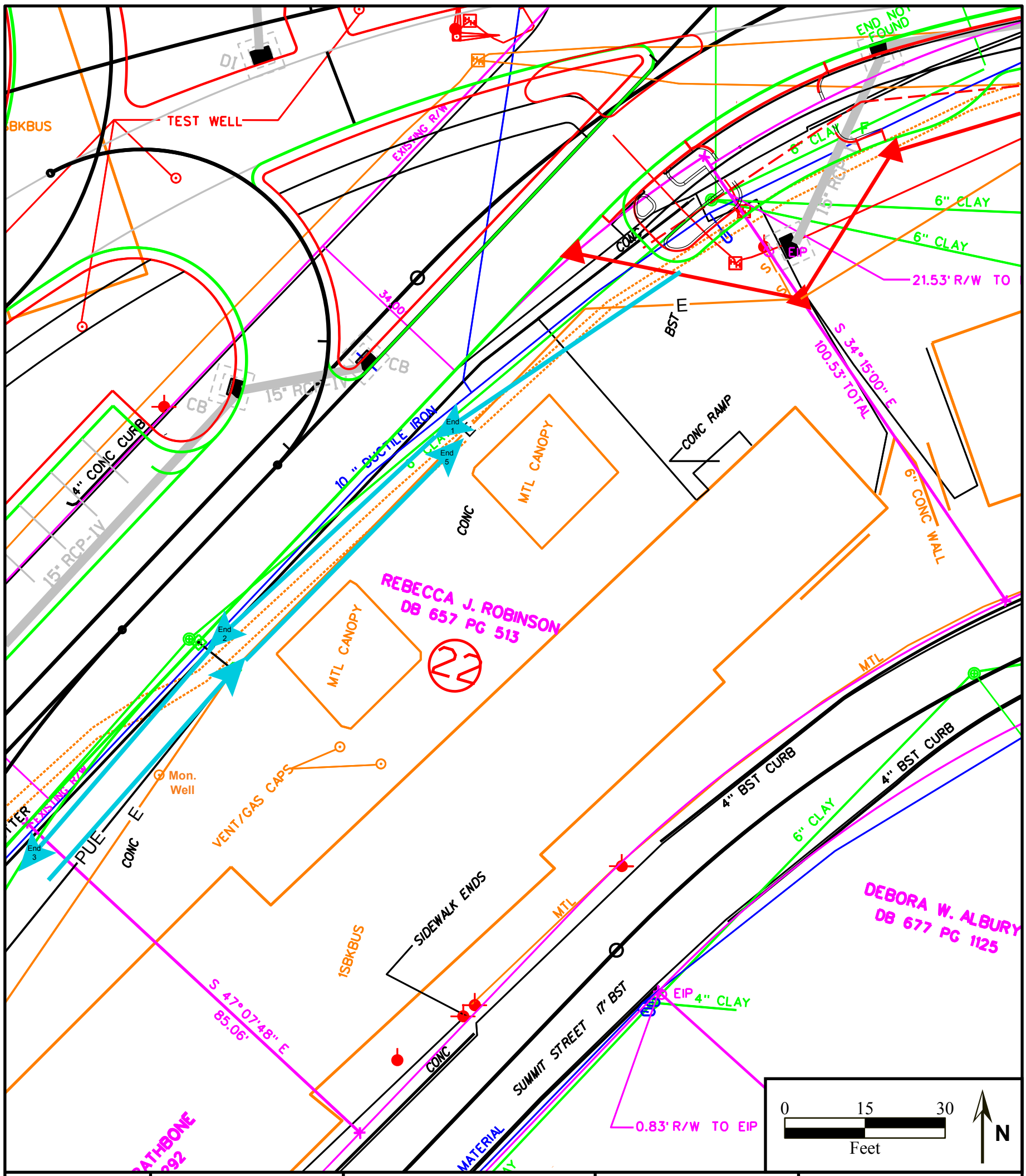
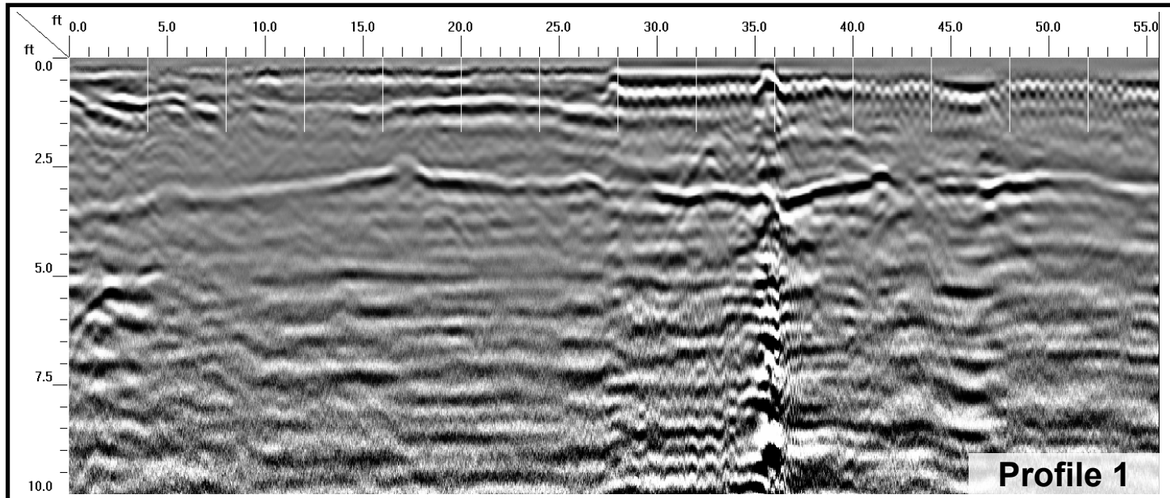
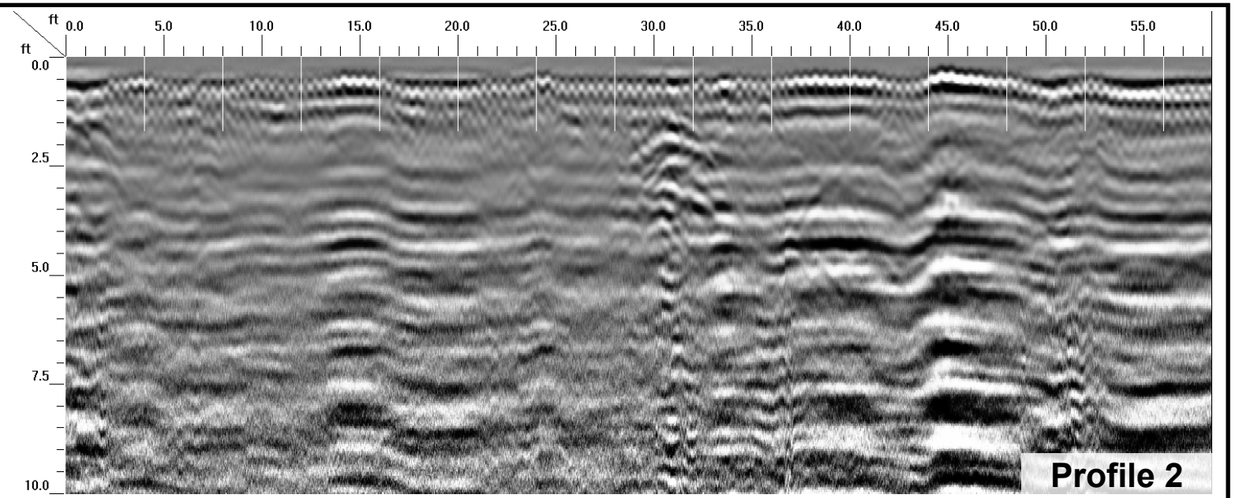
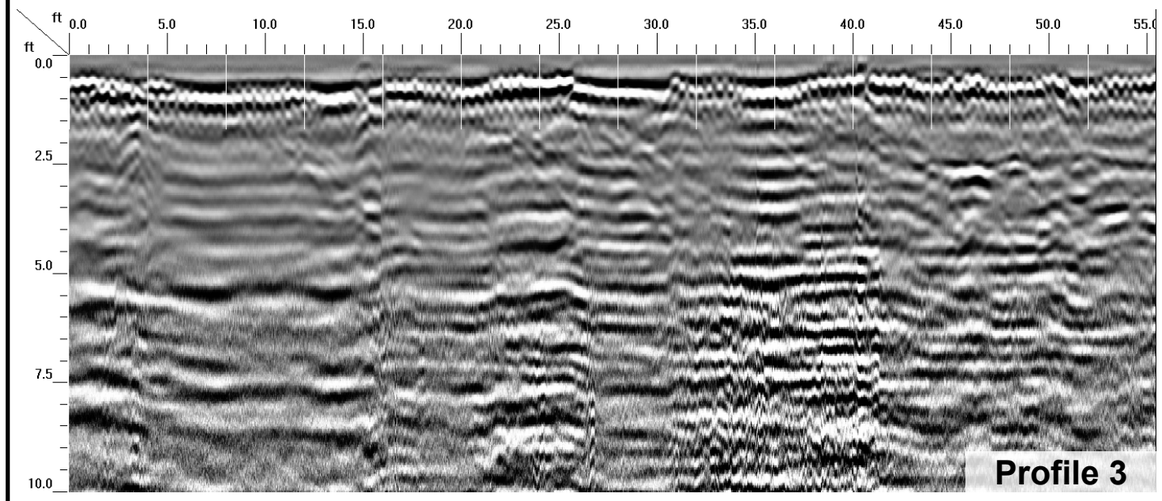
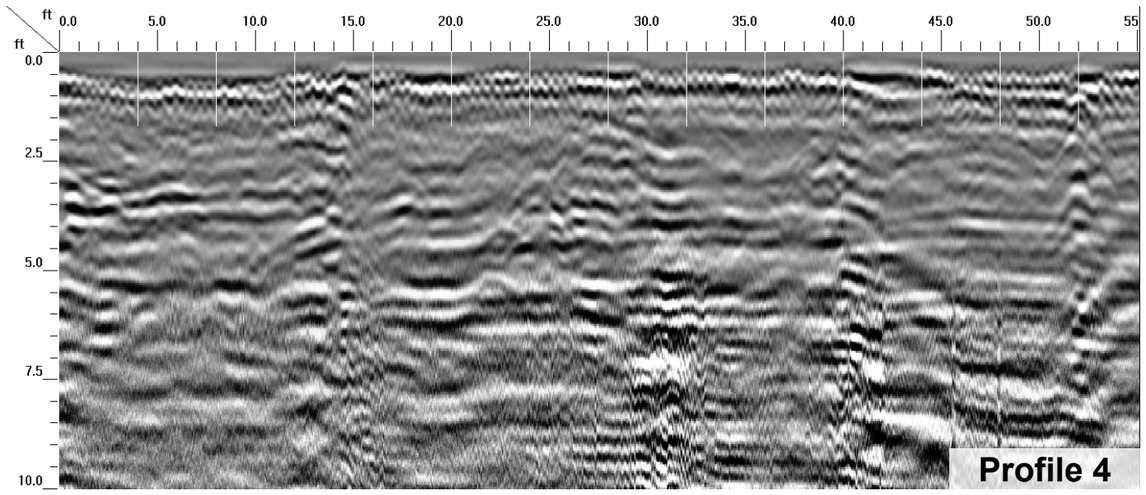


Figure 4 Site Plan with GPR Transect Locations	State Project: U-5888 Haywood County, NC	Rebecca J. Robinson Property 808 N Main Street Waynesville, NC	Parcel #022 Facility I.D.: 0-0-17830	Seramur & Associates, PC Boone, NC









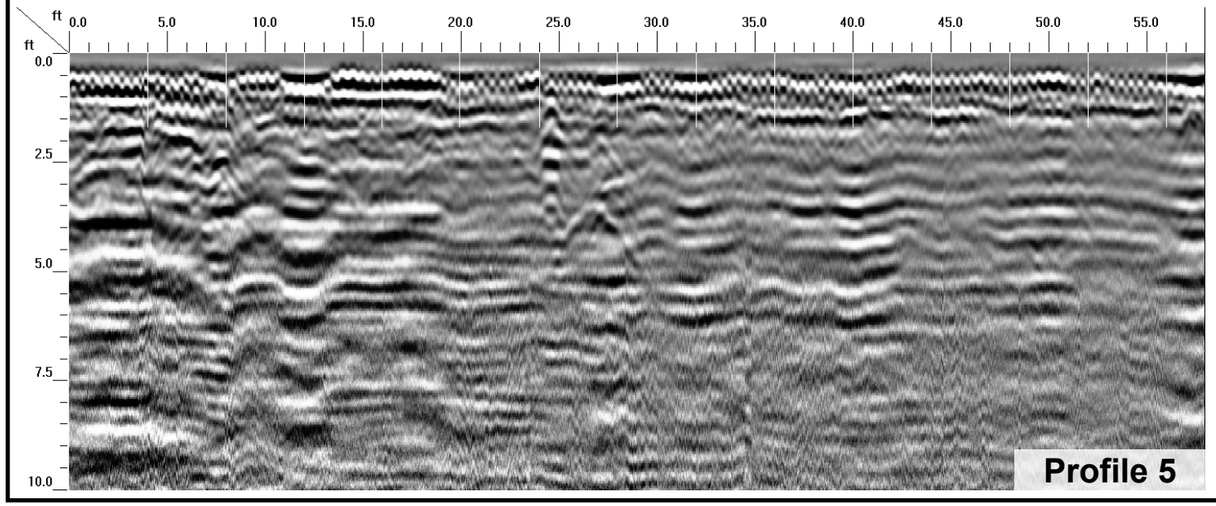


Figure 5 GPR Profiles 1-5	State Project: U-5888 Haywood County, NC	Rebecca J. Robinson Property 808 N Main Street Waynesville, NC
Parcel #022 Facility I.D.: 0-0-17830	Seramur & Associates, PC Boone, NC	

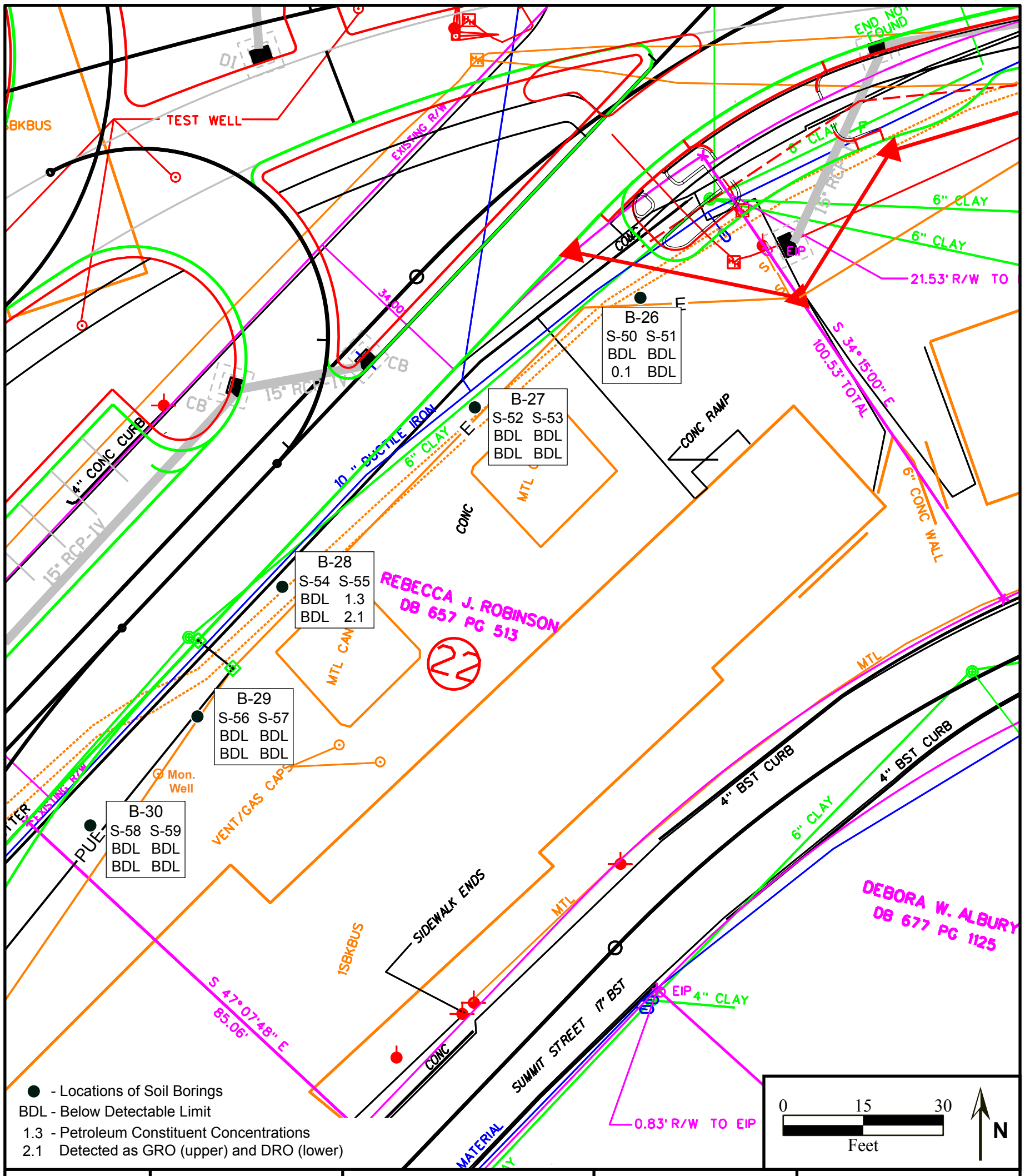
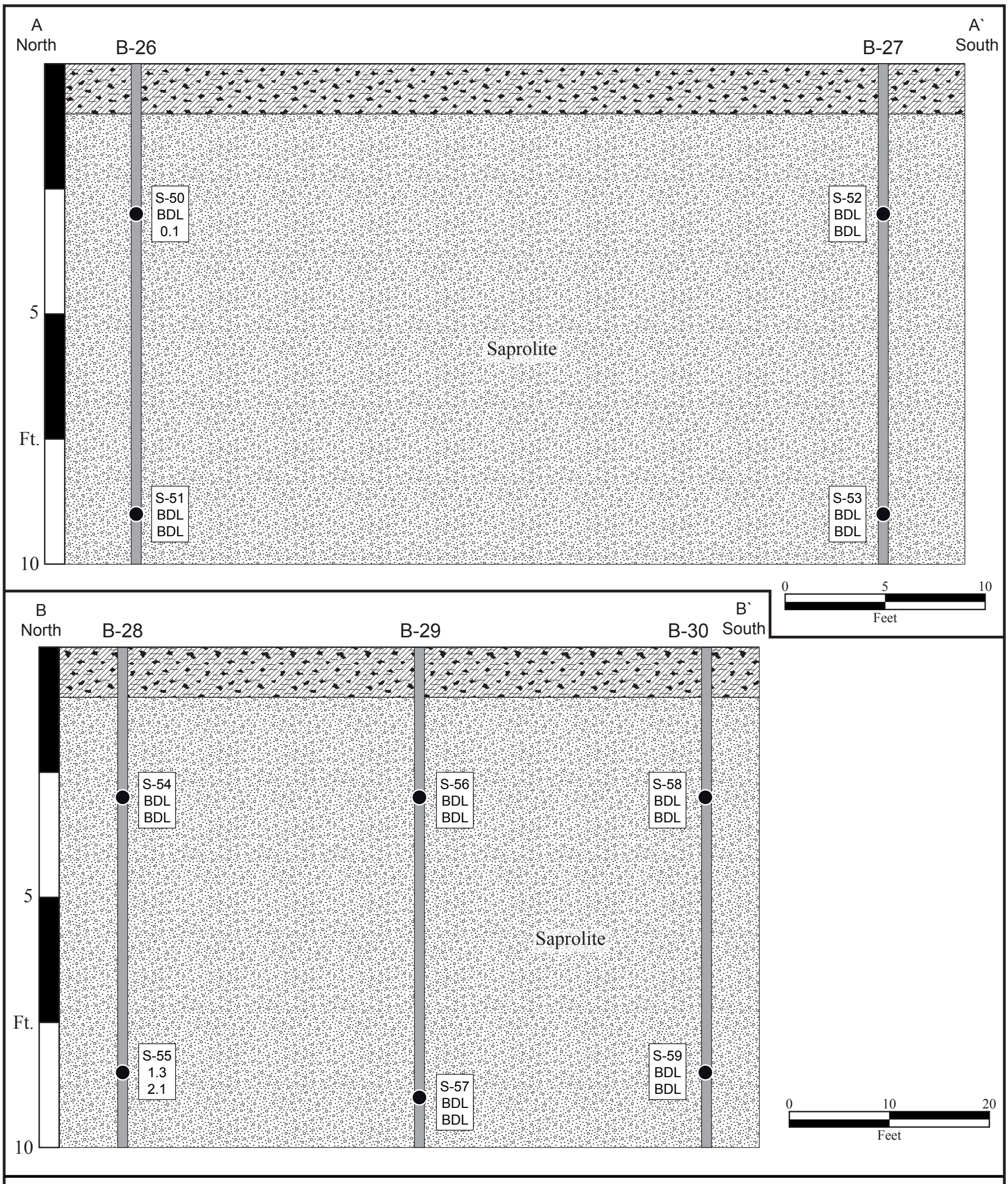


Figure 6 Soil Analytical Results	State Project: U-5888 Haywood County, NC	Rebecca J. Robinson Property 808 N Main Street Waynesville, NC	Parcel #022 Facility I.D.: 0-0-17830	Seramur & Associates, PC Boone, NC



● - Locations of Soil Samples BDL - Below Detectable Limit 1.3 - Petroleum Constituent Concentrations
2.1 Detected as GRO (upper) and DRO (lower)

Figure 7 Cross-Sections A-A` and B-B`	State Project: U-5888 Haywood County, NC	Rebecca J. Robinson Property 808 N Main Street Waynesville, NC	Parcel #022 Facility I.D.: 0-0-17830	Seramur & Associates, PC Boone, NC

Appendix B

Laboratory Reports and Chain of Custody Records

QED REDLAB RAPID ENVIRONMENTAL DIAGNOSTICS AQROS

Hydrocarbon Analysis Results

Client: SERAMUR & ASSOCIATES PC
Address: 165 KNOLL DRIVE
BOONE NC 28607

Contact: KEITH SERAMUR
COLLECTED BY JA
Project: NCDOT U-5888 P022

Samples taken Wednesday, October 24, 2018
Samples extracted Wednesday, October 24, 2018
Samples analysed Thursday, October 25, 2018

Operator NICK HENDRIX

U04049

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
										C5 - C10	C10 - C18	C18	
Soil	S-50	23.6	<0.59	<0.59	0.1	0.1	0.09	0.01	<0.007	0	81.6	18.4	Residual HC
Soil	S-51	23.6	<0.59	<0.59	<0.24	0.02	0.02	0.003	<0.007	0	100	0	Residual HC
Soil	S-52	23.9	<0.6	<0.6	<0.24	<0.6	<0.01	<0.01	<0.007	0	0	0	PHC ND,(FCM)
Soil	S-53	23.2	<0.58	<0.58	<0.23	<0.58	<0.01	<0.01	<0.007	0	0	0	PHC ND,(FCM)
Soil	S-54	21.8	<0.55	<0.55	<0.22	<0.55	<0.01	<0.01	<0.007	0	0	0	PHC ND,(FCM)
Soil	S-55	7.0	<0.18	1.3	2.1	3.4	0.62	0.02	<0.002	72.1	26.9	0.9	Deg.Diesel 85.3%,(FCM)
Soil	S-56	22.2	<0.56	<0.56	<0.22	<0.56	<0.01	<0.01	<0.007	0	0	0	PHC ND,(FCM)
Soil	S-57	24.1	<0.6	<0.6	<0.24	<0.6	<0.01	<0.01	<0.007	0	0	0	PHC ND,(FCM)
Soil	S-58	19.4	<0.49	<0.49	<0.19	<0.49	<0.01	<0.01	<0.006	0	0	0	PHC ND,(FCM)
Soil	S-59	21.3	<0.53	<0.53	<0.21	<0.53	<0.01	<0.01	<0.006	0	0	0	PHC ND,(FCM)

Initial Calibrator QC check OK Final FCM QC Check OK 93.3%

Concentration values in mg/kg for soil samples and mg/L for water samples. Soil values uncorrected for moisture or stone content. Fingerprints provide a tentative hydrocarbon identification.

Abbreviations :- FCM = Results calculated using Fundamental Calibration Mode : % = confidence of hydrocarbon identification : (PFM) = Poor Fingerprint Match : (T) = Turbid : (P) = Particulate detected

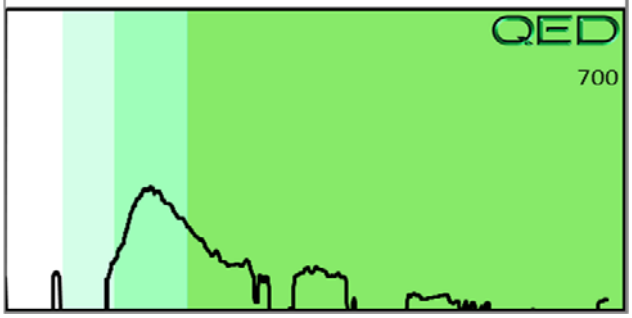
B = Blank Drift : (SBS)/(LBS) = Site Specific or Library Background Subtraction applied to result : (BO) = Background Organics detected : (OCR) = Outside cal range : (M) = Modifed Result.

% Ratios estimated aromatic carbon number proportions : HC = Hydrocarbon : PHC = Petroleum HC : FP = Fingerprint only. **Data generated by HC-1 Analyser**

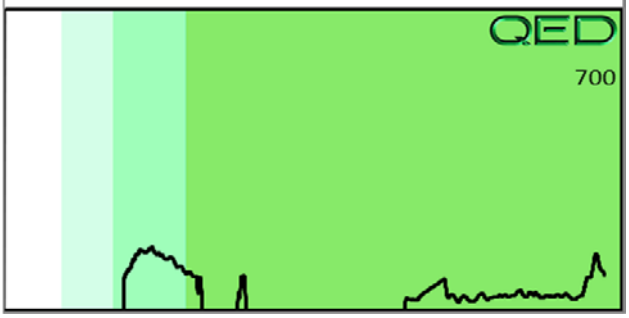
QED Hydrocarbon Fingerprints

Project: NCDOT U-5888 P022 Thursday, October 25, 2018

S-50 : Residual HC



S-51 : Residual HC

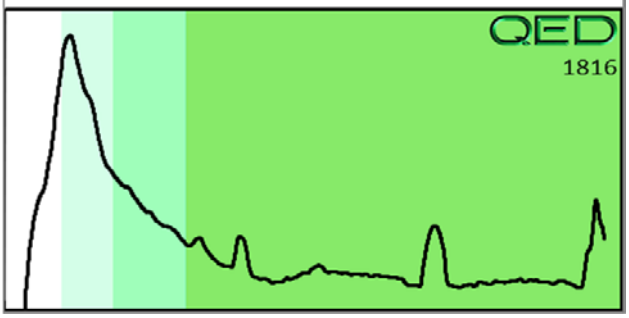


S-52 : PHC ND,(FCM)

S-53 : PHC ND,(FCM)

S-54 : PHC ND,(FCM)

S-55 : Deg.Diesel 85.3%,(FCM)

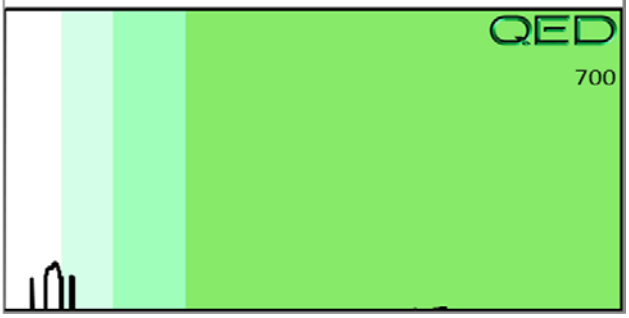


S-56 : PHC ND,(FCM)

S-57 : PHC ND,(FCM)

S-58 : PHC ND,(FCM)

S-59 : PHC ND,(FCM)



Client Name:	Seramur & Associates PC
Address:	165 Knoll Drive Boone, NC 28607
Contact:	Keith Seramur
Project Ref.:	NCDOT 4-5888 A022
Email:	seramur@icloud.com
Phone #:	(828) 264-0289
Collected by:	Joey Anderson

REDLAB™
RAPID ENVIRONMENTAL DIAGNOSTICS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST FORM

RED Lab, LLC
5598 Marvin K Moss Lane
MARBIONC Bldg, Suite 2003
Wilmington, NC 28409

Each sample will be analyzed for BTEX, GRO, DRO, TPH, PAH total aromatics and BaP

Sample Collection Date/Time	TAT Requested 24 Hour	TAT Requested 48 Hour	Initials	Sample ID	Total Wt.	Tare Wt.	Sample Wt.
10/24/18 10:06		X	JBA	S-50	54.8	43.8	11.0
10/24/18 10:08		X	JBA	S-51	54.6	43.6	11.0
10/24/18 10:16		X	JBA	S-52	54.8	43.9	10.9
10/24/18 10:17		X	JBA	S-53	54.7	43.5	11.2
10/24/18 10:24		X	JBA	S-54	55.7	43.8	11.9
10/24/18 10:26		X	JBA	S-55	54.8	43.4	11.4
10/24/18 10:31		X	JBA	S-56	55.3	43.6	11.7
10/24/18 10:32		X	JBA	S-57	54.2	43.4	10.8
10/24/18 10:36		X	JBA	S-58	57.3	43.9	13.4
10/24/18 10:38		X	JBA	S-59	55.7	43.5	12.2

Comments:

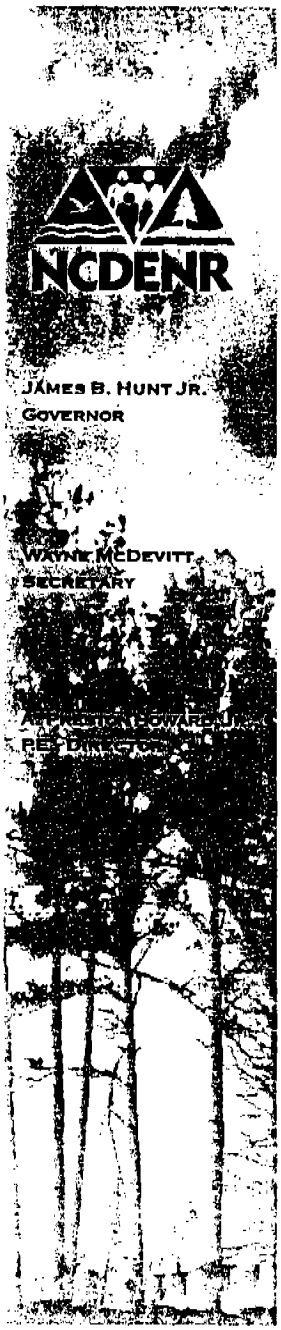
Relinquished by	Date/Time	Accepted by	Date/Time
	10/24/18 12:30	FedEx	10/24/18 12:30
Relinquished by	Date/Time	Accepted by	Date/Time
			10/25 1200

RED Lab USE ONLY

10

Appendix C

Documents From NCDEQ Incident Files



NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WATER QUALITY
ASHEVILLE REGIONAL OFFICE

DIVISION OF WASTE MANAGEMENT

September 3, 1998

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Z 372 625 997

John M. Queen III
808 N. Main Street
Waynesville, NC 28786

RE: Notice of No Further Action
15A NCAC 2L .0115(h)
RISK-BASED ASSESSMENT AND CORRECTIVE ACTION FOR PETROLEUM UNDERGROUND STORAGE TANKS
Short Stop
808 N. Main Street, Waynesville
Haywood, North Carolina
Incident No. (pending)
Low Risk Classification

Dear Mr. Queen:

On September 3, 1998, the Division of Waste Management (DWM), Asheville Regional Office received a Limited Site Assessment Report-Phase II with Soil Assessment and G-3 Groundwater Contaminant Transport Model for the above-referenced site. A review of the reports shows that contaminated groundwater does not exceed gross contamination levels that were established in 15A NCAC 2L .0115(g).

Based on information provided to date, the DWM determines that no further action is required for this incident. This determination is conditional pending completion of the public notice specified below. Once proper public notice has been given, this determination will apply unless the DWM later determines that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment.

Please be advised that because contaminated groundwater has not been restored to the level of the standard or interim standard established in 15A NCAC 2L .0202, groundwater within the area of contamination or within the area where contamination is expected to migrate, **is not suitable** for use as a water supply.

Pursuant to 15A NCAC 2L .0115(e), you have a continuing obligation to notify the DWM of any changes that you know of or should know of, that might affect the level of risk assigned to the discharge or release. Such changes include, but are not limited to, changes in zoning of real property, use of real property or the use of groundwater that has been contaminated or is expected to be contaminated by the discharge or release, if such change could cause the DWM to reclassify the risk. Please note that this responsibility not only pertains to changes involving the property on which the release occurred, but to changes involving the surrounding properties as well.

Please be advised that you must comply with the public notice requirements of 15A NCAC 2L .0115(k) as specified below. **If public notice is not provided as required, this no further action determination will be deemed invalid.** Within **30 days** of receipt of this no further action notice, you must provide a copy of this notice to the following persons:

- local health director;
- chief administrative officer (i.e., Mayor, Chairman of the County Commissioners, County Manager, City Manager or other official of equal or similar position) of each political jurisdiction in which the contamination occurs;
- all property owners and occupants within or contiguous to the area containing contamination; and
- all property owners and occupants within or contiguous to the area where the contamination is expected to migrate.

Copies of this no further action notice must be sent to the persons listed above by certified mail. If it is impractical to provide notice by certified mail to the occupants of apartment buildings, condominiums, office buildings, etc., you may post a copy of this notice in a prominent place where the occupants are most likely to see it.

Within **60 days** of receiving this no further action notice, you must provide the DWM, Asheville Regional Office with proof of receipt of the copy of the notice or of refusal by the addressee to accept delivery of the copy of the notice. If a copy of the notice is posted, you must provide the DWM with a description of the manner in which the notice was posted.

Interested parties may examine the Limited Site Assessment Report-Phase II with Soil Assessment and G-3 Groundwater Contaminant Transport Model by contacting Joseph McMurray with Blue Ridge Environmental Services Inc. at (704) 482-2111. In addition, the DWM, Asheville Regional Office has the Limited Site Assessment Report-Phase II with Soil Assessment and G-3 Groundwater Contaminant Transport Model along with other site information on file and available for public review. Interested parties may arrange to review this information by contacting the regional office as listed below. In addition, comments on the Soil Cleanup Report with Site Closure Request may be submitted to the regional office.

Asheville Regional Office
59 Woodfin Place, Asheville NC 28801
(704) 251-6208

Please be advised that you must close any monitoring wells used to investigate or remediate this incident in accordance with 15A NCAC 2C .0113.

Should you have any questions concerning this notice, please contact Mike Streeter at (704) 251-6208.

Sincerely,

Janice C. Andersen
Regional UST Supervisor

Attachments: 15A NCAC 2C .0113
Well Abandonment Form

cc: Fay Sweat/Groundwater Section
Freddie Harrill/Blue Ridge Env.

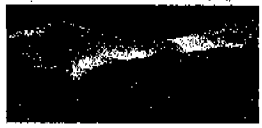
REPORT OF AN UNDERGROUND STORAGE TANK CLOSURE

The Short Stop
808 North Main Street
Haywood County
Waynesville, North Carolina

Facility ID# 0-017830

Prepared for:
John M. Queen III
808 North Main Street
Waynesville, NC

BLUE RIDGE ENVIRONMENTAL SERVICES, INC.



406 Beaumonde Avenue
Shelby, North Carolina 28150
(704) 482-2111
Fax (704) 482-4335
E-mail: BlueridgeB@aol.com

UNDERGROUND STORAGE TANK CLOSURE REPORT

Date: 3/20/98

The closure report should contain, at a minimum, the following information. Any other information that is pertinent to the site should be included.

I. **General Information**

A. Ownership of UST (s)

1. Name of UST Owner: John M. Queen III
2. Owner address and telephone number: 808 N. Main Street, Waynesville, NC 704-456-8981

B. Facility Information

1. Facility name: The Short Stop
2. Facility ID #: 0-017830
3. Facility address, telephone number and county: Same as A.2. above, Haywood County

C. 1. Name, address, telephone number and job title of primary contact person: Pat Henry, Manager, same address, same phone

2. Name, address and telephone number of closure contractor: SPATCO, Candler, NC 800-288-4536
3. Name, address and telephone number of primary consultant: Blue Ridge Environmental Services, Inc., 406 Beaumonde Ave, Shelby, NC 704-482-2111
4. Name, address, telephone number and State certification number of laboratory: Prism, P. O. Box 240543, Charlotte, NC 28224, 704-529-6364; Cert. # 402

D. UST Information:

Tank No.	Installation Dates	Size in Gallons	Tank Dimensions	Last Contents	Previous Contents (If any)
1	unknown	4000	64" x 24'	gasoline	

E. Site Characteristics

1. Describe any past releases at this site: None known
2. Is the facility active or inactive at this time? If the facility is inactive, note the last time the USTs were in operation:Facility active, new tanks installed.

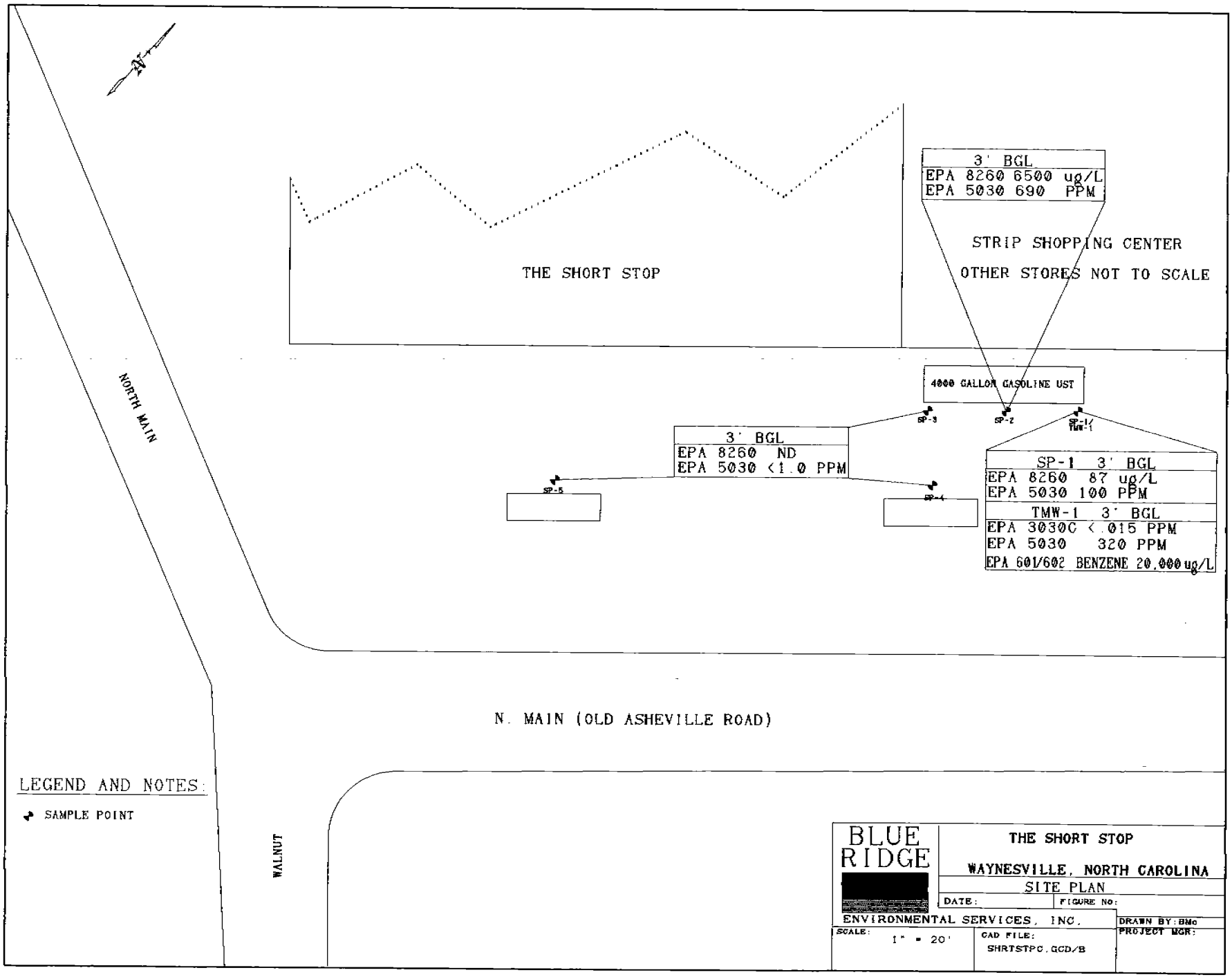

N
THE SHORT STOP
3' BGL
EPA 8260 6500 ug/L
EPA 5030 690 PPM
STRIP SHOPPING CENTER
OTHER STORES NOT TO SCALE
NORTH MAIN
4000 GALLON GASOLINE UST
SP-3
SP-2
SP-1/TMW-1
3' BGL
EPA 8260 ND
EPA 5030 <1.0 PPM
SP-5
SP-4
SP-1 3' BGL
EPA 8260 87 ug/L
EPA 5030 100 PPM
TMW-1 3' BGL
EPA 3030C < .015 PPM
EPA 5030 320 PPM
EPA 601/602 BENZENE 20,000 ug/L
N. MAIN (OLD ASHEVILLE ROAD)
LEGEND AND NOTES:
SAMPLE POINT
WALNUT
BLUE RIDGE
ENVIRONMENTAL SERVICES, INC.
THE SHORT STOP
WAYNESVILLE, NORTH CAROLINA
SITE PLAN
DATE:
FIGURE NO:
SCALE: 1" = 20'
CAD FILE: SHRTSTPC.GCD/B
DRAWN BY: BMc
PROJECT MGR:

TABLE 1		
Field Screening Results		
The Short Stop		
Sample ID	Depth	PID Reading (parts per million)
SP 1	3'	2636
SP 2	3'	2309
SP 3	3'	21
SP 4	3'	0
SP 5	3'	0

TABLE 2					
Laboratory Analyses Results					
The Short Stop					
Sample ID	Depth	Method *8260 Benzene	Method 3030c	Method 5030	Method *601/602 Benzene
SP 1	3'	87	N/S	100	N/S
SP 2	3'	6,500	N/S	690	N/S
SP 3	3'	N/D	N/S	< 1.00	N/S
SP 4	3'	N/D	N/S	< 1.00	N/S
SP 5	3'	N/D	N/S	< 1.00	N/S
TMW 1		N/S	< 0.015	320	20,000

Notes: Methods 3030c and 5030 results expressed in parts per million (PPM)
* See lab results for other 8260 and 601/602 results, expressed in ug/L (parts per billion)
N/D denotes not detected at laboratory method detection limits.
N/S denotes not sampled.