

**Preliminary Site Assessment
Colvard Oil Property Parcel #42
Ray Khan Property Parcel #40
Boone, Watauga County, NC**

**H&H Job No. ROW-148
State Project U-4020
WBS Element # 35015.1.1
May 29, 2008**



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704-586-0007

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Raleigh, NC 27607
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**Preliminary Site Assessment
Colvard Oil Property Parcel #42
Ray Khan Property Parcel #40
Boone, Watauga County, North Carolina
H&H Project ROW-148**

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**Preliminary Site Assessment
Colvard Oil Property Parcel #42
Ray Khan Property Parcel #40
Boone, Watauga County, North Carolina
H&H Project ROW-148**

1.0 Introduction

Hart & Hickman, PC (H&H) has prepared this Preliminary Site Assessment (PSA) report documenting assessment activities performed at the Colvard Oil property (NC DOT Parcel #42) located in the southeast corner of the King Street (aka US Highway 421) and Wood Circle intersection in Boone, Watauga County, North Carolina. The address for Colvard Oil is 500 East King Street. Colvard Oil is situated on Parcel #42 but impacts extent to the west onto Parcel #40, which is owned by Mr. Ray Khan. This assessment was conducted on behalf of the North Carolina Department of Transportation (NC DOT) in accordance with H&H's February 29, 2008 proposal.

The purpose of this assessment was to determine the presence or absence of impacted soil at the subject property related to the widening of US Highway 421 (State Project U-4020). Because this is expected to be a total take by NC DOT, the entire parcel was investigated. A site location map is included as Figure 1 and a site map is presented as Figure 2. The NC DOT preliminary plan of the US Highway 421 widening area near the Colvard Oil property is included in Appendix A.

Based on information provided by NC DOT, the Colvard Oil property (NC DOT Parcel #42) has in the past and currently operates as a petroleum bulk storage facility. Three large fuel above-ground storage tanks (ASTs) are located on the property. According to an Environmental Data Resources (EDR) report for the site vicinity, the property does not appear on the North Carolina Underground Storage Tank (UST) database. However, Colvard Oil employees also stated that USTs were removed from the property in the past.

2.0 Site Assessment

Soil Assessment Field Activities

H&H mobilized to the Colvard Oil property (NC DOT Parcel #42) on April 2, 9 and 10, 2008 to advance thirty-one soil borings (42-1 through 42-31) by direct push technology (DPT). Prior to advancing the soil borings, H&H reviewed a Geophysical Investigation Report (GIR) and UST Delineation report prepared by Schnabel Engineering (Schnabel) dated April 28, 2008. Schnabel utilized ground penetrating radar (GPR) and time domain electromagnetic (TDEM) technology to identify geophysical anomalies and potential USTs at the site. The Schnabel report indicates a potential UST on the property. Follow-up with GPR also indicated the presence of a possible UST centered just east of a small shed in the northwest portion of the property. The size of the potential UST is reported to be 270 gallons. The Schnabel report is included in Appendix B.

Schnabel did not survey within the AST farm secondary containment area. H&H identified another potential UST in the western portion of the AST farm secondary containment area.

Prior to conducting soil borings, utilities were marked via NC One Call and by DOT's contractor, Vaughn and Melton. Borings were also cleared to a five foot depth by hand auger. H&H utilized Geologic Exploration of Statesville, North Carolina to advance soil borings by DPT (see Figure 2). To facilitate the selection of soil samples for laboratory analysis from these borings, soil was field screened continuously for the presence of volatile organic compounds (VOCs) with an organic vapor analyzer (OVA). Additionally, H&H observed the soil for visual and olfactory indications of petroleum impacts. In general, soil samples that exhibited the highest reading on the OVA were selected for laboratory analysis. Soil boring logs are included in Appendix C.

H&H submitted 34 samples from 31 soil borings for laboratory analysis (Table 1). Soil samples are identified by the NC DOT parcel number, soil boring number, and the depth in feet of sample collection. Due to the potential for USTs and possible petroleum releases, all samples were sent to Prism Laboratories Inc., of Charlotte, North Carolina, for analysis of total petroleum hydrocarbons (TPH) by EPA Method 8015B for gasoline-range organics (GRO) and diesel-range organics (DRO). Sample 42-12 @ 10-12 ft was submitted for laboratory analysis of VOCs and TPH Oil and

Grease (O&G) by EPA Methods 8260B and 9071 respectively, due to the boring's proximity to drums stored next to the building. Table 1 summarizes sample depths and analytical results. Laboratory analytical data sheets and chain-of-custody documentation for this site are provided in Appendix D. The chain-of-custody form includes samples from other nearby properties associated with this project. The analytical results are discussed below.

3.0 Analytical Results

Target compounds were detected in all site soil borings except for six locations or depths. TPH GRO and/or TPH DRO were detected in all samples except the following: 42-7 @ 10-12 ft; 42-15 @ 10-12 ft; 42-23 @ 2-5 ft; 42-25 @ 5-7 ft; 42-26 @ 5-7 ft; and 42-28 @ 25-5 ft. Impacts were detected near the two potential USTs, in the AST farm, near the kerosene dispensers, near the fuel loading rack, and elsewhere on Parcel #40 and #42. VOCs and O&G were not detected above NC DENR target levels in sample 42-12 @ 10-12 ft.

Based on laboratory analytical results and OVA readings, widespread TPH concentrations are situated on most of Parcel 42 and extending to the west onto Parcel 40. H&H estimates that there are a total of 8,000 cubic yards (11,200 tons) of impacted soil above 12 ft on Parcel #40 and #42. The deepest soil samples were collected at 12 ft and impacted soil likely extends even deeper. DOT plans indicate a proposed fill of approximately 7 ft in this area. Because this is a fill area, most of the impacted soil will not likely be disturbed, except during UST and below grade fuel piping removal work. Of the above impacted soil amount, H&H estimates that 350 cubic yards (490 tons) of impacted soil will be removed during installation of a catch basin in the northwest corner of the property, removal of the two USTs, below grade fuel piping, and other below grade structures on the site. Additional impacted soil will be generated by any soil grading work below the existing grade and during any future utility line installations deeper than the proposed fill depth. Impacted soil that is removed should be properly managed and disposed at a permitted facility.

Two USTs appear to be present on the property. In addition, an AST farm with associated piping, a loading rack, and a spill collection sump are located on this property. Soil impacts were detected

near the potential USTs and at the AST farm. The USTs, fuel piping, AST farm, and their contents should be removed and disposed in accordance with NCDENR regulations.

4.0 Summary and Regulatory Considerations

H&H has reviewed geophysical survey results and collected soil samples at Parcel #40 and #42. These properties are proposed total takes. Two USTs appear to be present on Parcel #42. Analytical results and OVA readings indicate widespread concentrations of TPH GRO and TPH DRO above NC DENR Action Levels. H&H estimates that there are a total of 8,000 cubic yards (11,200 tons) of impacted soil above 12 ft on Parcel #40 and #42. Soil impacts likely extend deeper than 12 ft. The impacted soil is situated on most of Parcel #42, extending to the west onto Parcel #40. DOT plans indicate a proposed fill of approximately 7 ft in this area. Because this is a fill area, most of the impacted soil will not likely be disturbed by the road work. Of the above impacted soil amount, H&H estimates that 350 cubic yards (490 tons) of impacted soil will be removed during installation of a catch basin in the northwest portion of the property, removal of the two USTs, below grade fuel piping, and other below grade structures on the site. Additional impacted soil will be generated by any soil grading work below the existing grade and during any future utility line installations deeper than the proposed fill depth. Impacted soil that is removed should be properly managed and disposed at a permitted facility. The USTs, fuel piping, AST farm components, and their contents should be removed and disposed in accordance with NCDENR regulations.

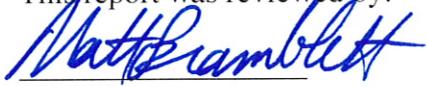
5.0 Signature Page

This report was prepared by:



Mike Falknor
Staff Scientist for
Hart and Hickman, PC

This report was reviewed by:



Matt Bramblett, PE
Principal and Project Manager for
Hart and Hickman, PC

Table 1 (Page 1 of 3)
Soil Analytical Results
Colvard Oil, Parcel #42
Boone, North Carolina
H&H Job No. ROW-148

Sample ID Sample Depth (ft) Sample Date Units	42-1	42-2	42-3	42-4	42-4	42-5	42-6	42-7	42-7	42-8	42-9	42-10	NC DENR Soil-to-Groundwater MSCCs (mg/kg)
	10-12	8-10	2-4	4-6	10-12	6-8	2-4	6-8	10-12	6-8	8-10	10-12	
	4/1/2008 (mg/kg)	4/1/2008 (mg/kg)	4/1/2008 (mg/kg)	4/2/2008 (mg/kg)	4/2/2008 (mg/kg)	4/2/2008 (mg/kg)	4/2/2008 (mg/kg)	4/2/2008 (mg/kg)	4/2/2008 (mg/kg)	4/2/2008 (mg/kg)	4/2/2008 (mg/kg)	4/2/2008 (mg/kg)	
<u>VOCs (5035/8260B)</u>													
Ethylbenzene	NA	NA	NA	NA	NA	NA	4.6						
Isopropylbenzene	NA	NA	NA	NA	NA	NA	1.7						
m,p-Xylenes	NA	NA	NA	NA	NA	NA	5						
n-Butylbenzene	NA	NA	NA	NA	NA	NA	4.3						
n-Propylbenzene	NA	NA	NA	NA	NA	NA	1.7						
Naphthalene	NA	NA	NA	NA	NA	NA	0.58						
p-Isopropylene	NA	NA	NA	NA	NA	NA	NE						
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	3.3						
tert-Butylbenzene	NA	NA	NA	NA	NA	NA	3.4						
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	7.5						
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	7.3						
													NC DENR Action Level (mg/kg)
<u>TPH O&G(9071)</u> Oil and Grease	NA	NA	NA	NA	NA	NA	250						
<u>TPH-DRO/GRO (8015B)</u> Diesel-Range Organics (DRO) Gasoline-Range Organics (GRO)	2,500 41	53	23 <6.2	4,400 120	13 <6.2	11 <6.9	1,400 1,400	500 22	<7.7 <5.6	19 <6.4	7,400 88	3,300 1,900	10 10

Notes:

EPA Method follows parameter in parenthesis

NA= Not analyzed; BRL=Below Reporting Limit; NE = Not Established

Bold values exceed NC DENR MSCC's or Action Levels

MSCCs = Maximum Soil Contaminant Concentrations

as listed in the UST Section Guidelines for

Assessment and Corrective Action, 2007

Table 1 (Page 2 of 3)
Soil Analytical Results
Colvard Oil, Parcel #42
Boone, North Carolina
H&H Job No. ROW-148

Sample ID Sample Depth (ft) Sample Date Units	42-11 8-10 4/2/2008 (mg/kg)	42-12 10-12 4/2/2008 (mg/kg)	42-13 8-10 4/2/2008 (mg/kg)	42-14 2-4 4/2/2008 (mg/kg)	42-15 6-8 4/2/2008 (mg/kg)	42-15 10-12 4/2/2008 (mg/kg)	42-16 2-5 4/2/2008 (mg/kg)	42-17 2-5 4/9/2008 (mg/kg)	42-18 7-10 4/9/2008 (mg/kg)	42-19 0-2 4/9/2008 (mg/kg)	42-20 6-7 4/9/2008 (mg/kg)	NC DENR Soil-to-Groundwater MSCCs (mg/kg)
VOCs (5035/8260B)												
Ethylbenzene	NA	0.027	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.6
Isopropylbenzene	NA	0.014	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7
m,p-Xylenes	NA	0.038	NA	NA	NA	NA	NA	NA	NA	NA	NA	5
n-Butylbenzene	NA	0.037	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3
n-Propylbenzene	NA	0.031	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.7
Naphthalene	NA	0.060	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.58
p-Isopropylene	NA	0.033	NA	NA	NA	NA	NA	NA	NA	NA	NA	NE
sec-Butylbenzene	NA	0.033	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.3
tert-Butylbenzene	NA	0.0075	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.4
1,2,4-Trimethylbenzene	NA	0.15	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.5
1,3,5-Trimethylbenzene	NA	0.073	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.3
												NC DENR Action Level (mg/kg)
TPH O&G(9071) Oil and Grease	NA	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	250
TPH-DRO/GRO (8015B) Diesel-Range Organics (DRO) Gasoline-Range Organics (GRO)	12,000 2,200	550 20	8,300 350	4,700 1,800	62 41	<7.8 <5.6	1,300 65	11,000 180	16,000 940	120 10	5,800 1,000	10 10

Notes:

EPA Method follows parameter in parenthesis

NA= Not analyzed; BRL=Below Reporting Limit; NE = Not Est

Bold values exceed NC DENR MSCC's or Action Levels

MSCCs = Maximum Soil Contaminant Concentrations

as listed in the UST Section Guidelines for

Assessment and Corrective Action, 2007

Table 1 (Page 3 of 3)
Soil Analytical Results
Colvard Oil, Parcel #42
Boone, North Carolina
H&H Job No. ROW-148

Sample ID	42-21	42-22	42-23	42-24	42-25	42-26	42-27	42-28	42-29	42-30	42-31	NC DENR Soil-to-Groundwater MSCCs (mg/kg)
Sample Depth (ft)	2-4	10-12	2-5	2-5	5-7	5-7	5-7	2-5	7-9	7-9	7-9	
Sample Date Units	4/9/2008 (mg/kg)	4/10/2008 (mg/kg)	4/10/2008 (mg/kg)	4/10/2008 (mg/kg)	4/10/2008 (mg/kg)							
VOCs (5035/8260B)												
Ethylbenzene	NA	NA	NA	NA	4.6							
Isopropylbenzene	NA	NA	NA	NA	1.7							
m,p-Xylenes	NA	NA	NA	NA	5							
n-Butylbenzene	NA	NA	NA	NA	4.3							
n-Propylbenzene	NA	NA	NA	NA	1.7							
Naphthalene	NA	NA	NA	NA	0.58							
p-Isopropylene	NA	NA	NA	NA	NE							
sec-Butylbenzene	NA	NA	NA	NA	3.3							
tert-Butylbenzene	NA	NA	NA	NA	3.4							
1,2,4-Trimethylbenzene	NA	NA	NA	NA	7.5							
1,3,5-Trimethylbenzene	NA	NA	NA	NA	7.3							
												NC DENR Action Level (mg/kg)
TPH O&G(9071) Oil and Grease	NA	NA	NA	NA	250							
TPH-DRO/GRO (8015B) Diesel-Range Organics (DRO) Gasoline-Range Organics (GRO)	13,000 810	8,200 1,600	<8.9 <6.4	22 <6.3	<8.5 <6.1	<9.1 <6.5	180 <6.3	<8.7 <6.2	220 15	28 <6.7	23 <5.7	10 10

Notes:

EPA Method follows parameter in parenthesis

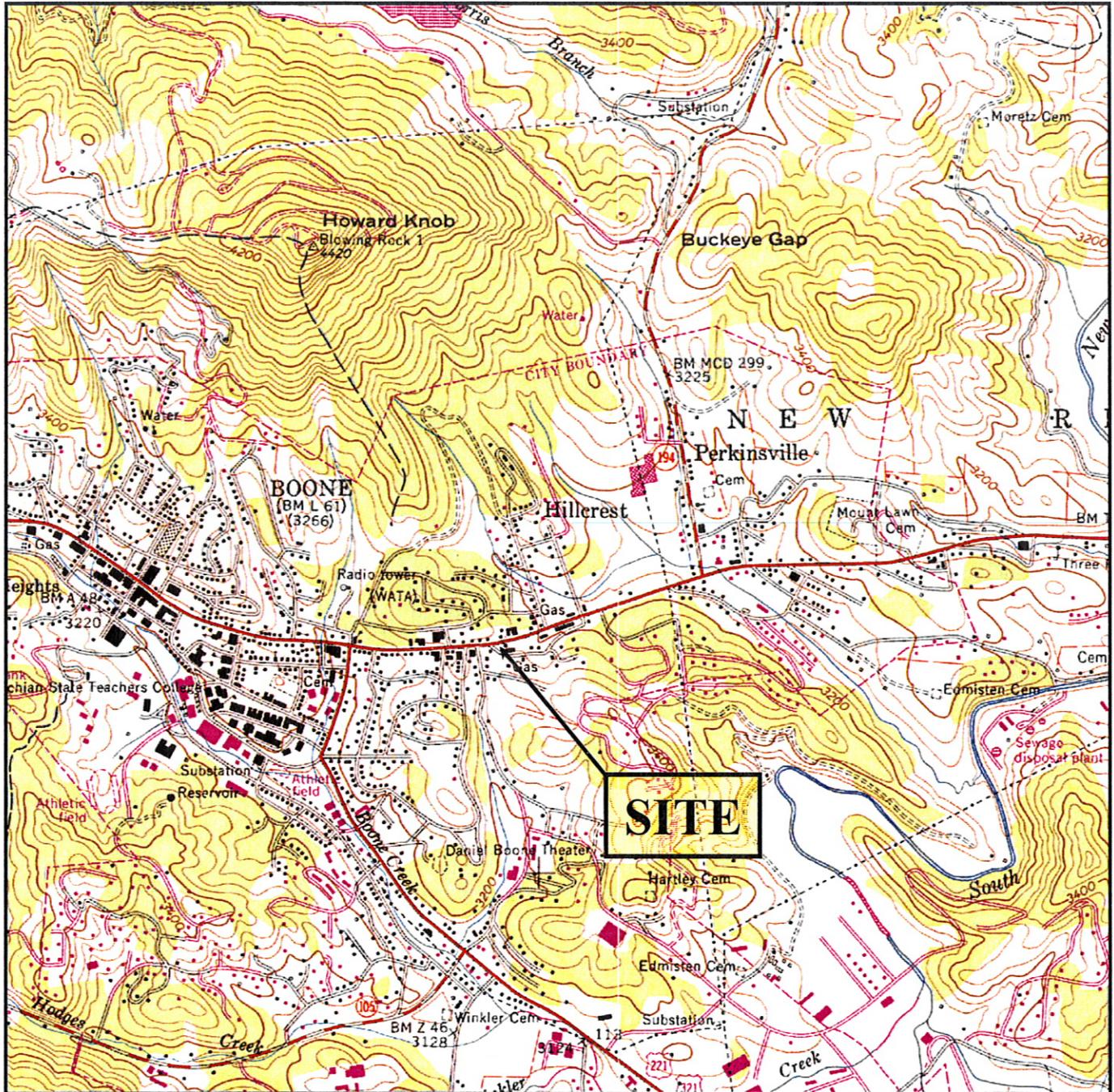
NA= Not analyzed; BRL=Below Reporting Limit; NE = Not Est

Bold values exceed NC DENR MSCC's or Action Levels

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as listed in the UST Section Guidelines for

Assessment and Corrective Action, 2007



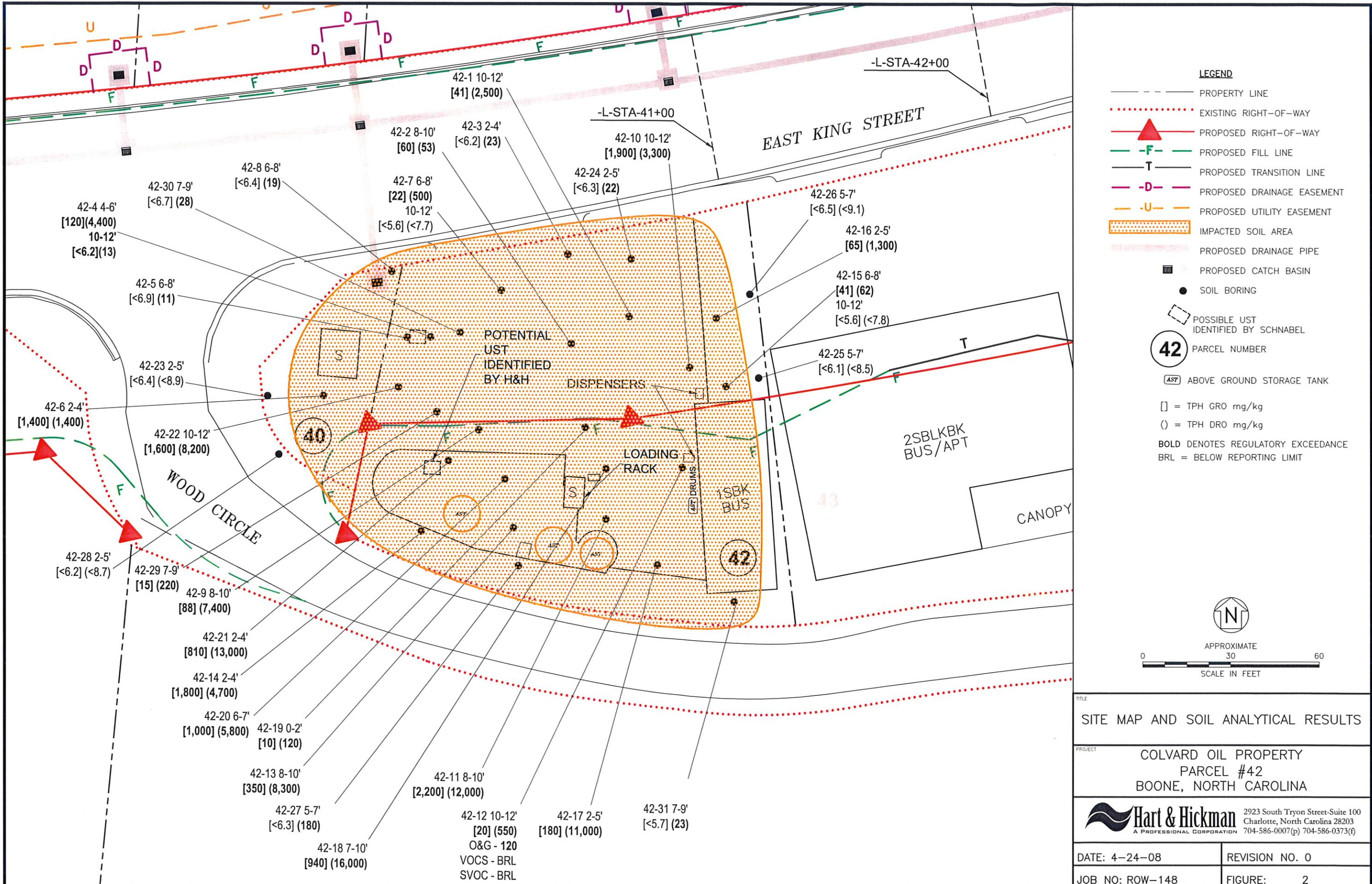
APPROXIMATE
0 2000 4000
SCALE IN FEET

U.S.G.S. QUADRANGLE MAP

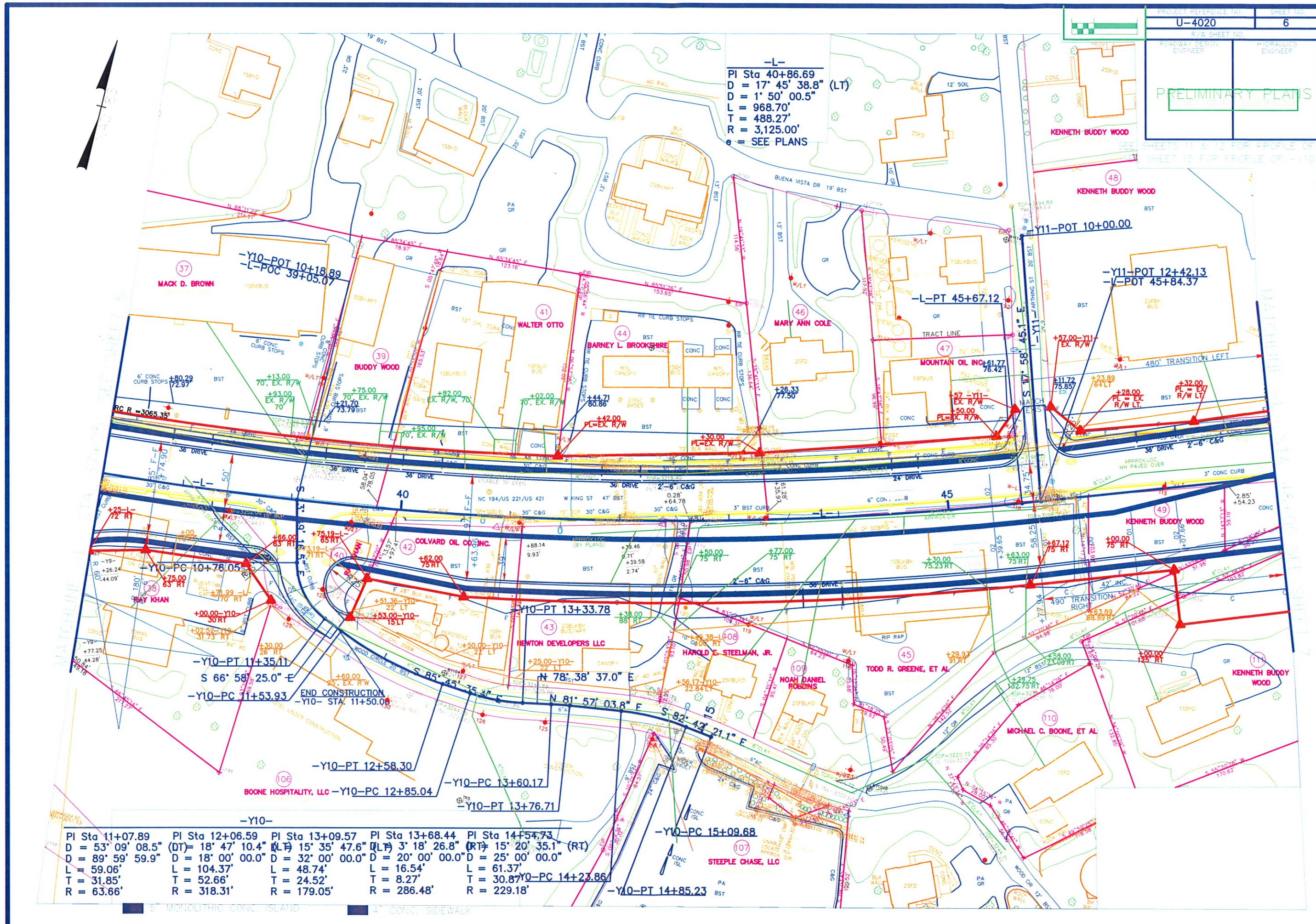
BOONE, NC 1959
PHOTOREVISED 1978

QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE	
SITE LOCATION MAP	
PROJECT	COLVARD OIL PROPERTY PARCEL #42 BOONE, NORTH CAROLINA
Hart & Hickman A PROFESSIONAL CORPORATION	2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007 (p) 704-586-0370 (f)
DATE:	4-28-08
REVISION NO:	0
JOB NO:	ROW-148
FIGURE NO:	1



Appendix A
NC DOT Preliminary Plan



Appendix B
Schnabel Engineering Site Plan



11-A Oak Branch Drive
Greensboro, NC 27407
Phone (336) 274-9456
Fax (336) 274-9486
www.schnabel-eng.com

April 28, 2008

Mr. Matt Bramblett, PE
Hart & Hickman, PC
2923 South Tryon Street, Suite 100
Charlotte, NC 28203

RE: State Project: U-4020
WBS Element: 35015.1.1
County: Watauga
Description: US 421 (King Street) from US 321 (Hardin Street) to east
of NC 194 (Jefferson Road) in Boone

SUBJECT: Report on Geophysical Surveys of Parcel 42
Schnabel Engineering Project No. 07210023.07

Dear Mr. Bramblett:

This letter contains our report on the geophysical surveys we conducted on the subject property. We understand this letter report will be included as an appendix in your report to the NCDOT. The report includes one 8.5x11 color figure and two 11x17 color figures.

1.0 INTRODUCTION

Schnabel Engineering conducted geophysical surveys on March 10 and 18, 2008, in the accessible areas of Parcel 42 (Colvard Oil Bulk Storage Property) under our 2007 contract with the NCDOT. Parcel 42 is located at the southeast corner of the intersection of US 421 (King Street) and Wood Circle in Boone, NC. The work was conducted at the location indicated by the NCDOT to support their environmental assessment of the subject parcel. The purpose of the geophysical surveys was to locate possible metal underground storage tanks (UST's) and associated metal product lines in the accessible areas of the site.

2.0 FIELD METHODOLOGY

Locations of geophysical data points were obtained using a sub-meter Trimble Pro-XRS DGPS system. References to direction and location in this report are based on the US State Plane 1983 system, North Carolina 3200 zone, using the NAD 83 datum, with units in US survey feet. The locations of existing site features (building, curbs, signs, etc.) were recorded for later correlation with the geophysical data and for location references to the NCDOT drawings. The geophysical investigation consisted of an electromagnetic (EM) induction survey using a Geonics EM61-MK2 instrument, and a ground-penetrating radar (GPR) survey using a Geophysical Survey Systems SIR-3000 system equipped with a 400 MHz antenna.

The EM61 data were collected along parallel survey lines spaced about 2.5 feet apart. The EM61 and DGPS data were recorded digitally using a field computer and later transferred to a desktop computer for data processing. The GPR data were collected along survey lines spaced one to two feet apart in orthogonal directions over anomalous EM readings not attributed to cultural features and areas of reinforced concrete.

Preliminary results were sent to David Graham and Matt Bramblett of Hart & Hickman on March 24, 2008.

3.0 DISCUSSION OF RESULTS

A possible UST was located and marked on the ground at this site. Pictures of the location of this possible UST as marked in the field are shown in Figure 1.

The contoured EM61 data are shown on Figures 2 and 3. The EM61 early time gate results are plotted on Figure 2. The early time gate data provide the most sensitive detection of metal object targets, regardless of size. Figure 3 shows the difference between the response of the top and bottom coils of the EM61 instrument (differential response). The difference is taken to remove the effect of surface and very shallowly buried metallic objects. Typically, the differential response emphasizes anomalies from deeper and larger objects such as UST's.

The early time gate and differential results indicate several anomalies probably caused by buried utilities, reinforced concrete, or known site features. Areas containing anomalies not attributed to known cultural features in the EM61 data, and an area of reinforced concrete were investigated using GPR. The GPR data indicated the presence of a possible UST centered about 25 feet east of the small building. An example GPR image showing the reflection from the possible UST is shown on Figures 2 and 3. Figures 2 and 3 also include the location of the possible UST as marked in the field. The GPR data indicate that the possible UST is buried about 2.5 to 3.5 feet below the ground surface, and it is about 3 feet in diameter and about 5 feet long, equivalent to a capacity of about 270 gallons.

4.0 CONCLUSIONS

Our evaluation of the geophysical data collected on Parcel 42 of Project U-4020 in Boone, NC indicates the following:

- The geophysical data indicate the presence of one possible UST on Parcel 42. The possible UST is about 270-gallon capacity and is buried about 2.5 to 3.5 feet below ground surface.

5.0 LIMITATIONS

These services have been performed and this report prepared for Hart & Hickman and the North Carolina Department of Transportation in accordance with generally accepted guidelines for conducting geophysical surveys. It is generally recognized that the results of geophysical surveys are non-unique and may not represent actual subsurface conditions.

Thank you for the opportunity to serve you on this project. Please call if you need additional information or have any questions.

Sincerely,

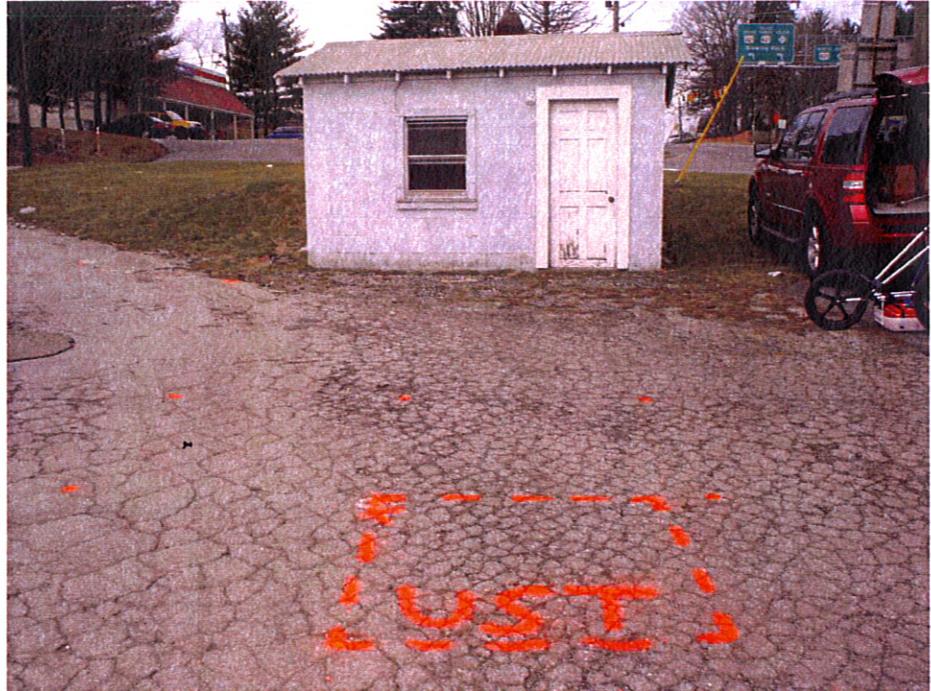


Jeremy S. Strohmeyer, P.G.
Project Manager

JW/JS/NB

Attachment: Figures (3)

FILE: G:\2007 PROJECTS\07210023 (NCDOT 2007 GEOPHYSICAL SERVICES)\PHASE 07 (U-4020 - WATAUGA COUNTY)\REPORT\HART & HICKMAN\PARCEL 42\REPORT ON PARCEL 42.DOC



Parcel 42 – Colvard Oil Bulk Storage, looking west
UST: 3' x 5'



Parcel 42 – Colvard Oil Bulk Storage, looking south
UST: 3' x 5'

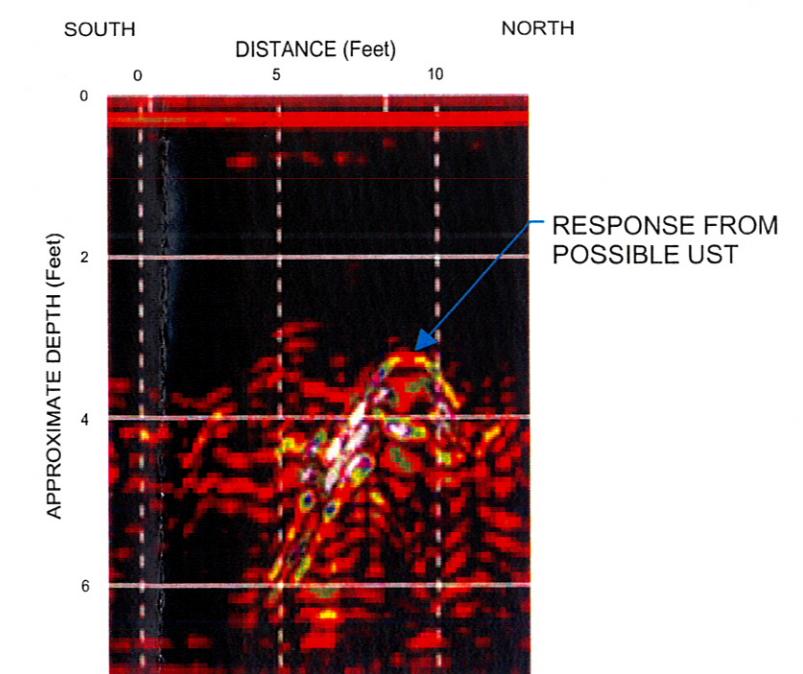
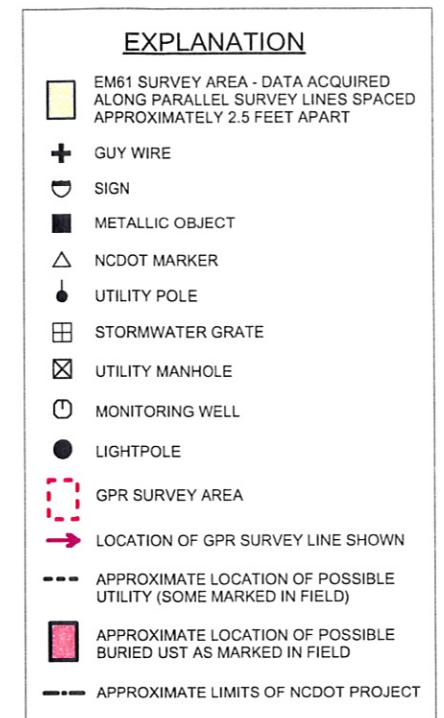
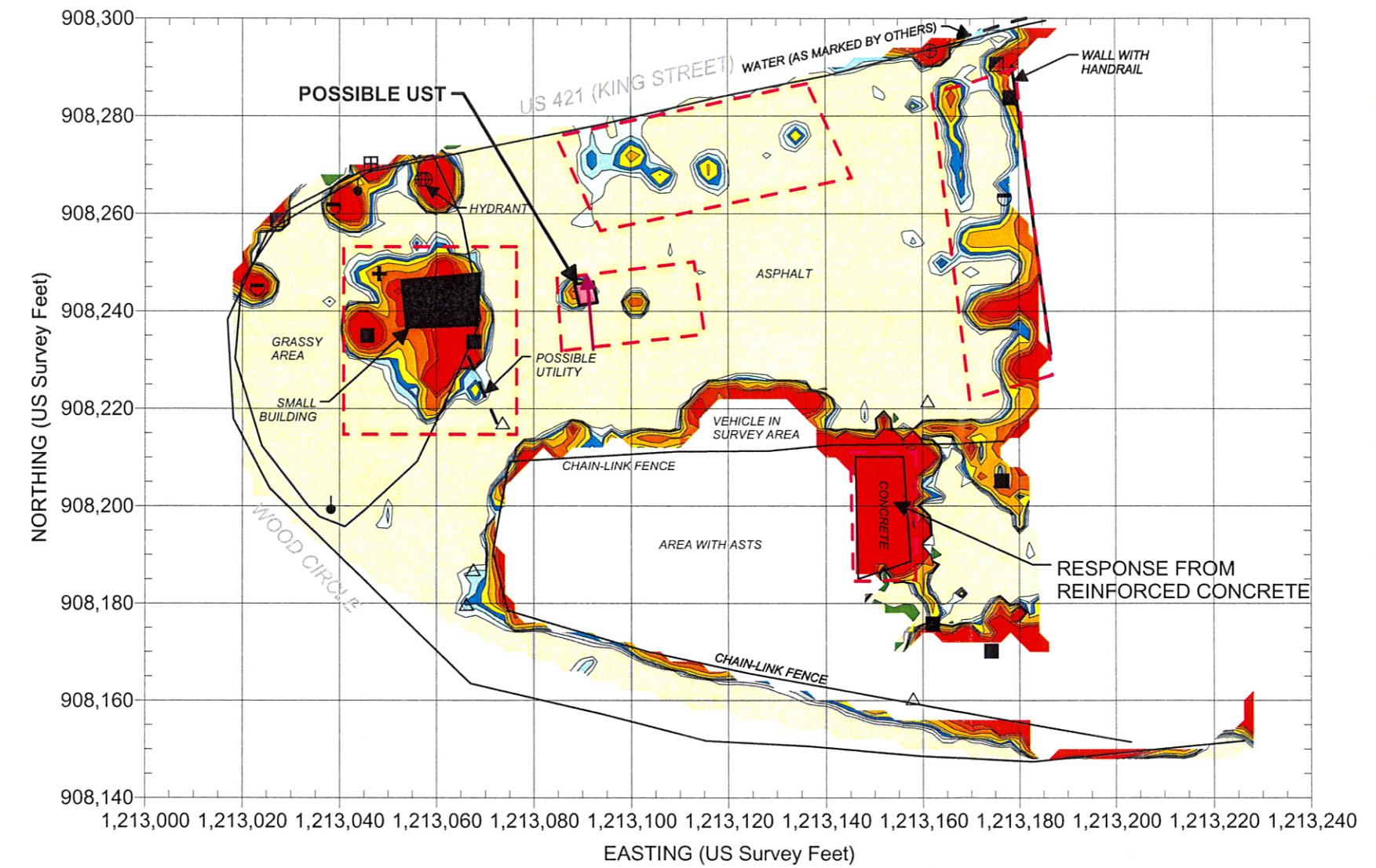


NC Department of Transportation
Geotechnical Engineering Unit

State Project No. U-4020
Watauga County, North Carolina

PARCEL 42
PHOTOS OF POSSIBLE
UST LOCATION

FIGURE 1



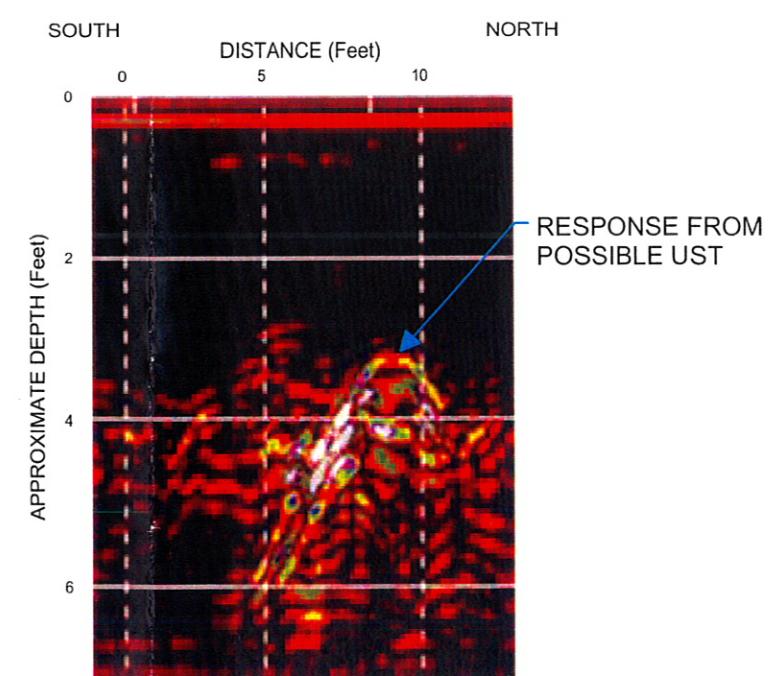
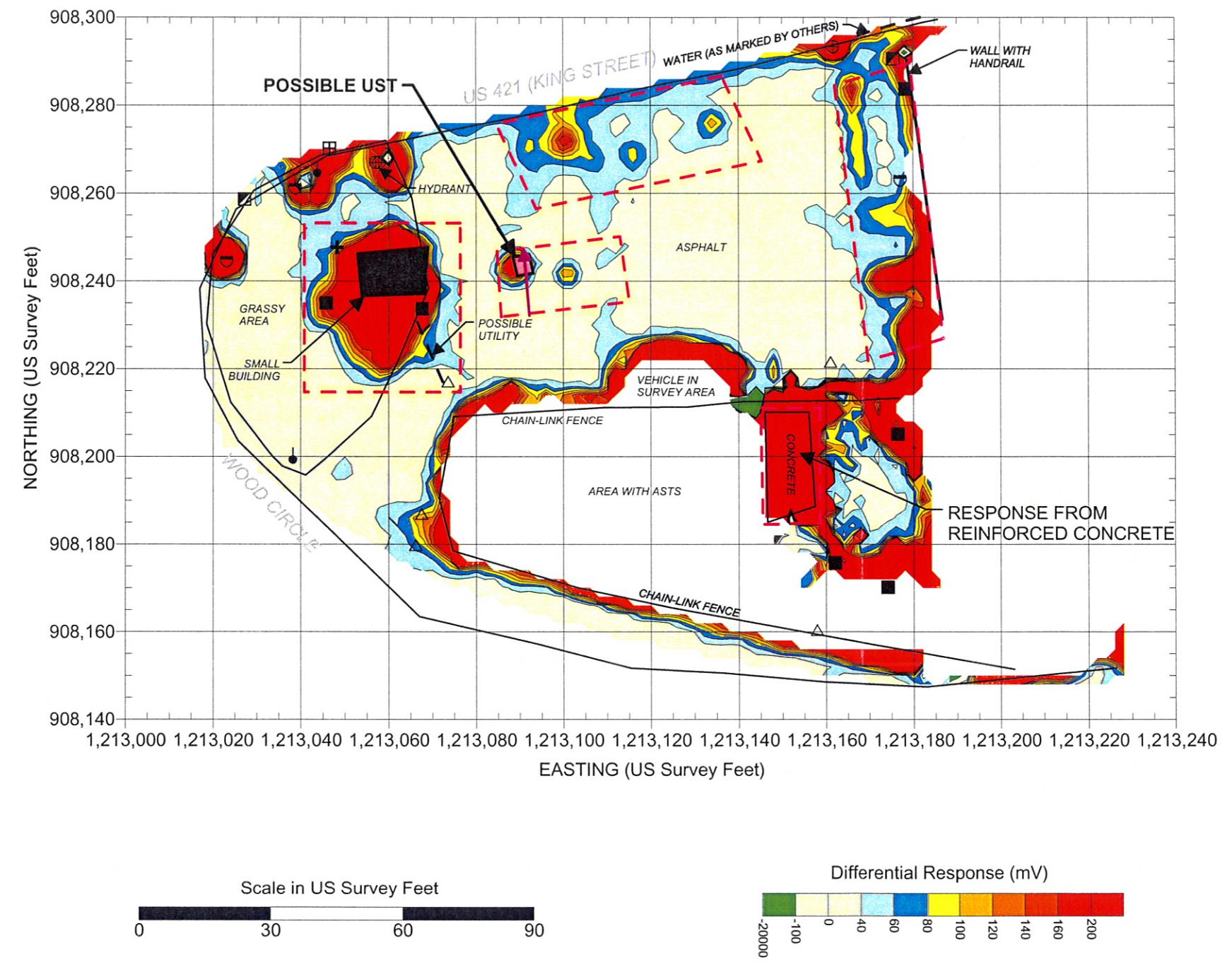
Note: The contour plot shows the earliest and most sensitive time gate of the EM61 bottom coil/channel in millivolts (mV). The EM data were collected on March 10, 2008, using a Geonics EM61-MK2 instrument. Positioning for the EM61 survey was provided using a submeter Trimble ProXRS DGPS system. Coordinates are in the US State Plane 1983 System, North Carolina Zone 3200, using the NAD 1983 datum. GPR data were acquired on March 18, 2008, using a Geophysical Survey Systems SIR 3000 equipped with a 400 MHz antenna.



NC Department of Transportation
Geotechnical Engineering Unit
State Project No. U-4020
Watauga County, North Carolina

PARCEL 42
EM61 EARLY TIME
GATE RESPONSE

FIGURE 2



Note: The contour plot shows the difference, in millivolts (mV), between the readings from the top and bottom coils of the EM61. The difference is taken to reduce the effect of shallow metal objects and emphasize anomalies caused by deeper metallic objects, such as pipes and tanks. The EM data were collected on March 10, 2008, using a Geonics EM61-MK2 instrument. Positioning for the EM61 survey was provided using a submeter Trimble ProXRS DGPS system. Coordinates are in the US State Plane 1983 System, North Carolina 3200 Zone, using the NAD 1983 datum. GPR data were acquired on March 18, 2008, using a Geophysical Survey Systems SIR 3000 equipped with a 400 MHz antenna.



NC Department of Transportation
Geotechnical Engineering Unit
State Project No. U-4020
Watauga County, North Carolina

PARCEL 42
EM61 DIFFERENTIAL
RESPONSE

FIGURE 3

Appendix C

Soil Boring Logs

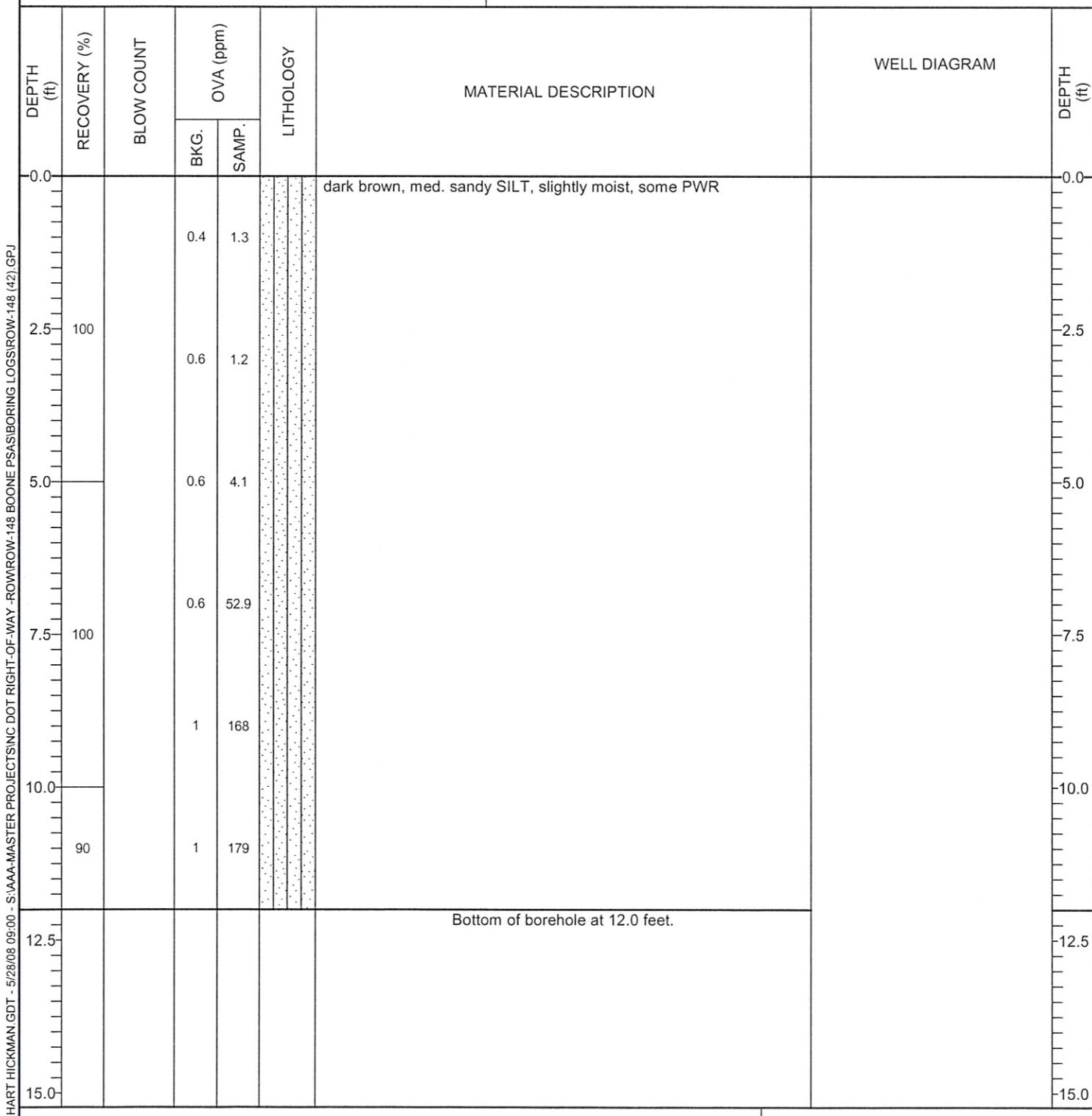


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3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-01

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



DRILLING CONTRACTOR: GEOLOGIC EXPLORATION
DRILL RIG/ METHOD: Geoprobe 6620DT
SAMPLING METHOD: DPT Sleeves
LOGGED BY MHF
DRAWN BY:

BORING STARTED 4/1/08
BORING COMPLETED: 4/1/08
TOTAL DEPTH: 12
SURFACE ELEV:
DEPTH TO WATER:

Remarks:
Borehole hand-augered to 5'
Soil samples collected from 10-12'



2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

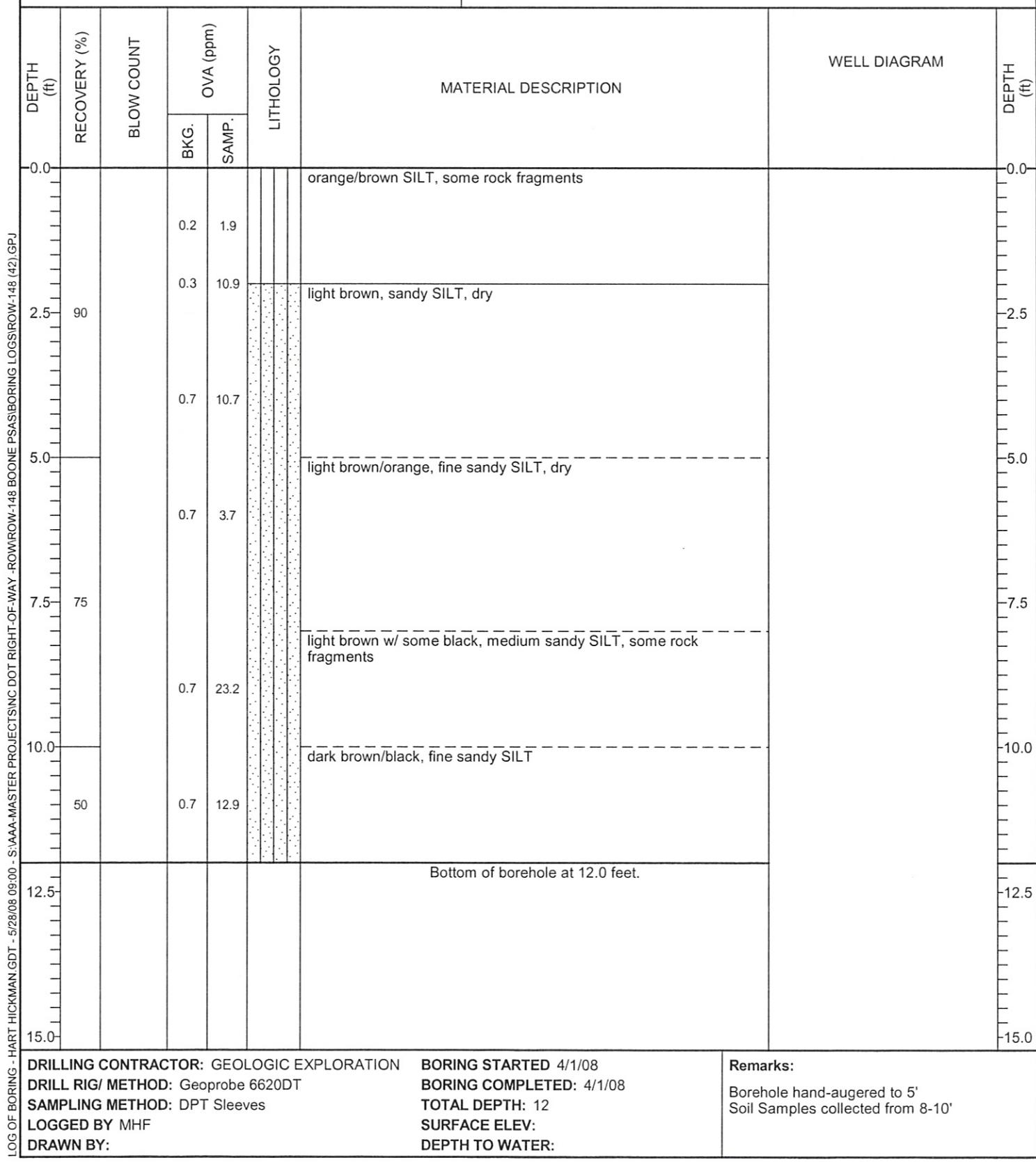
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-02

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC





2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

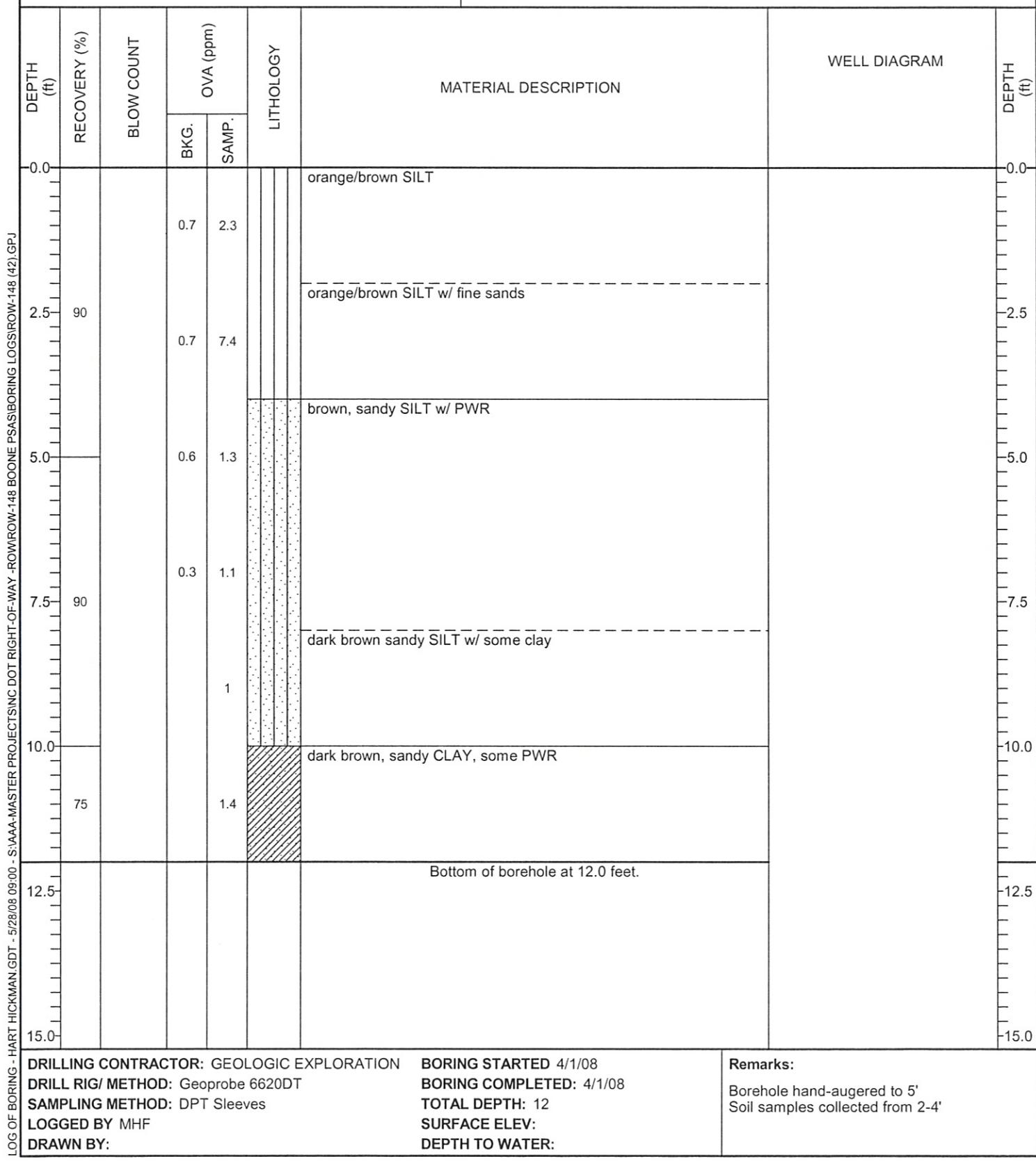
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-03

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC



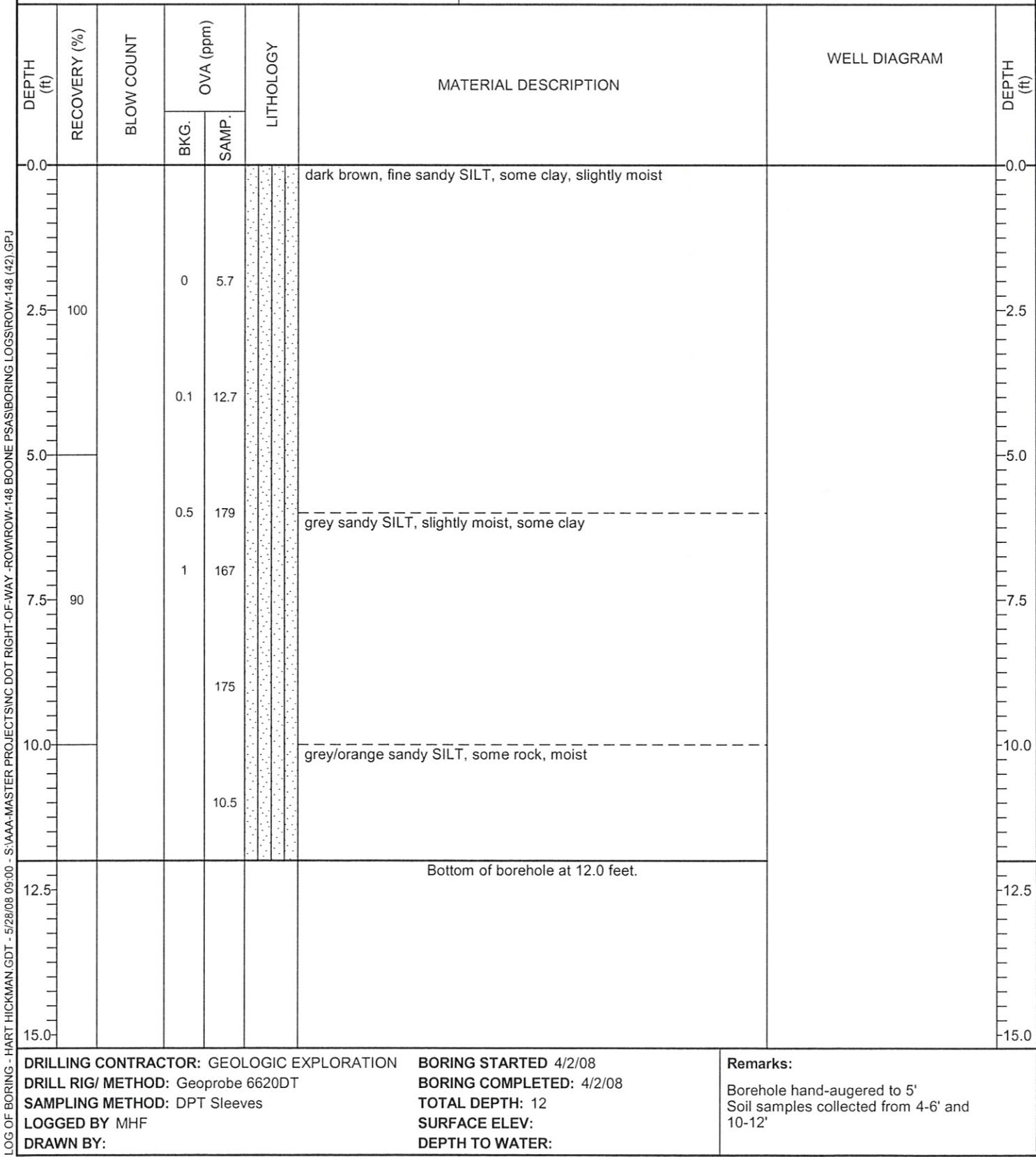


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3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-04

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



(Continued Next Page)



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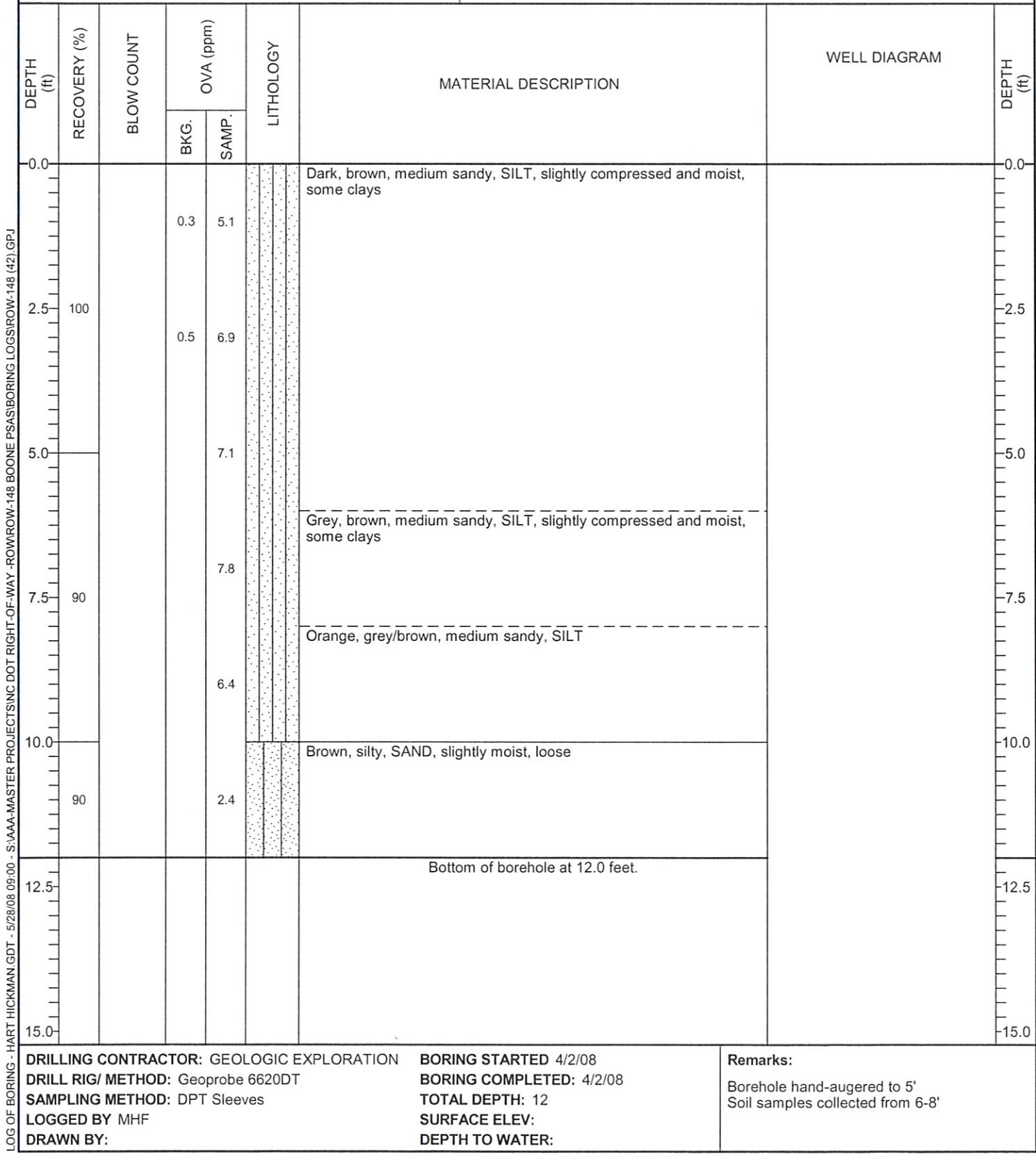
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-05

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC



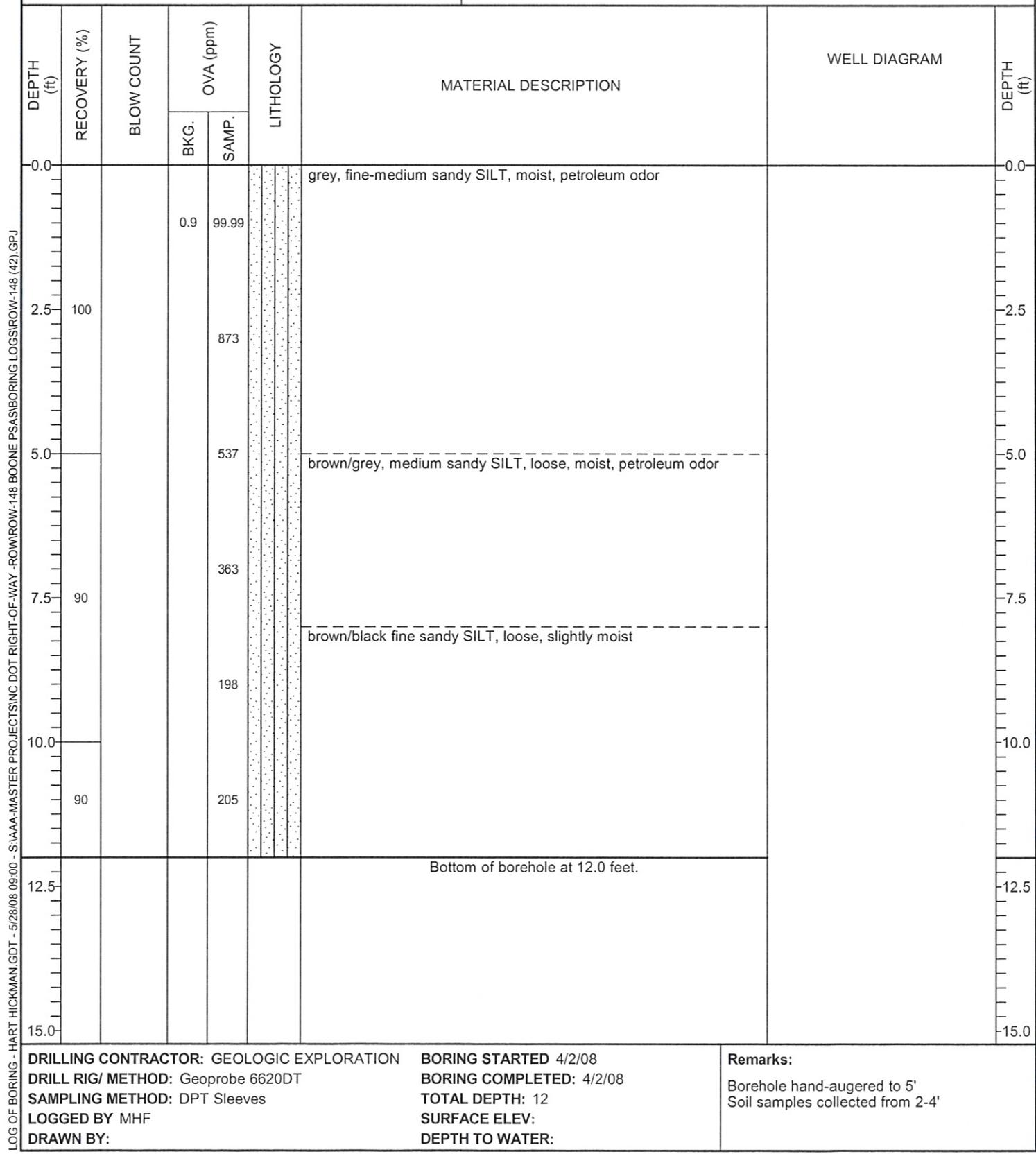


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3334 Hillsborough Street
Raleigh, North Carolina 27615
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BORING NUMBER 42-06

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



DRILLING CONTRACTOR: GEOLOGIC EXPLORATION
DRILL RIG/ METHOD: Geoprobe 6620DT
SAMPLING METHOD: DPT Sleeves
LOGGED BY MHF
DRAWN BY:

BORING STARTED 4/2/08
BORING COMPLETED: 4/2/08
TOTAL DEPTH: 12
SURFACE ELEV:
DEPTH TO WATER:

Remarks:
Borehole hand-augered to 5'
Soil samples collected from 2-4'



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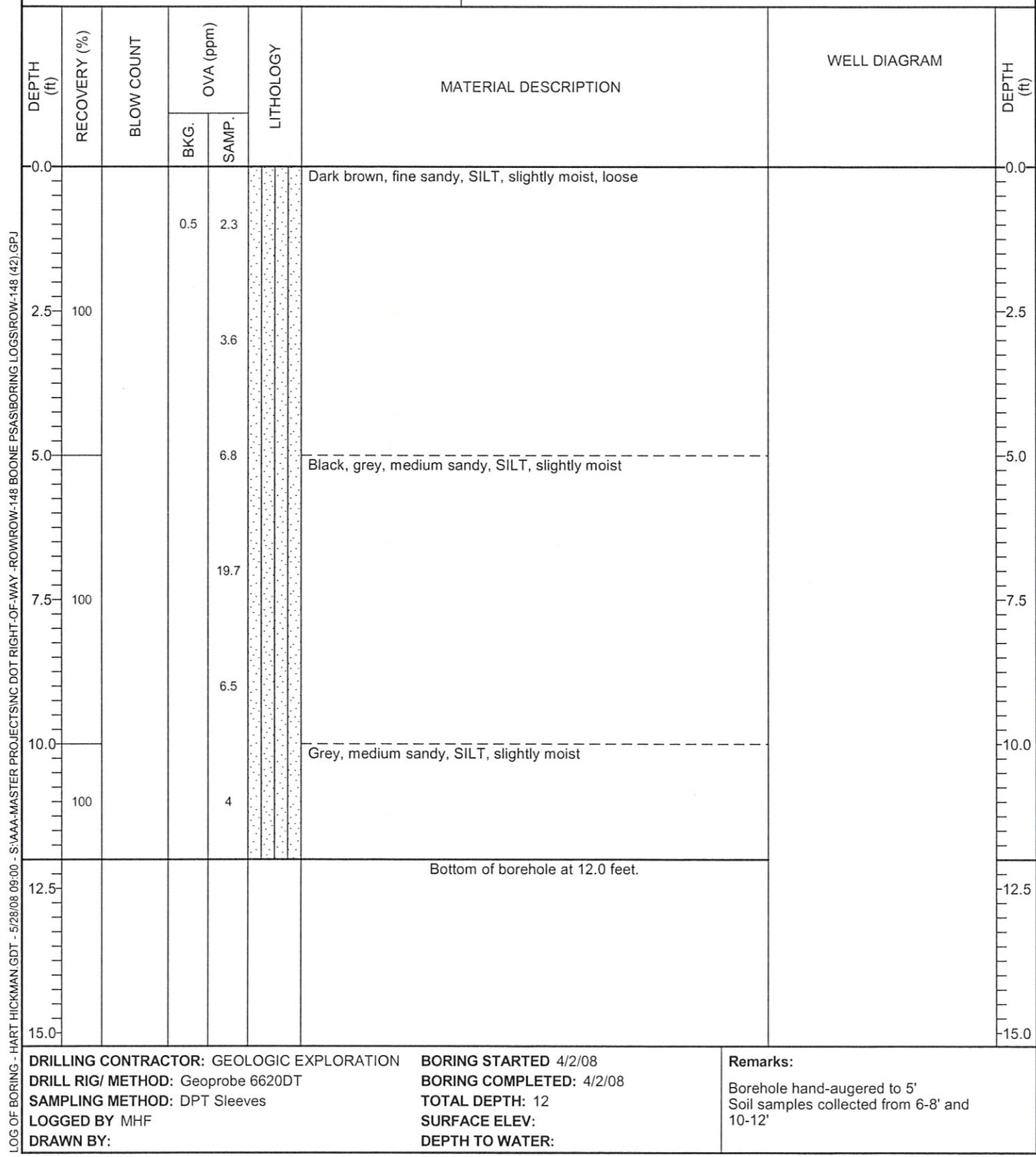
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-07

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC



DRILLING CONTRACTOR: GEOLOGIC EXPLORATION
DRILL RIG/ METHOD: Geoprobe 6620DT
SAMPLING METHOD: DPT Sleeves
LOGGED BY MHF
DRAWN BY:

BORING STARTED 4/2/08
BORING COMPLETED: 4/2/08
TOTAL DEPTH: 12
SURFACE ELEV:
DEPTH TO WATER:

Remarks:

Borehole hand-augered to 5'
Soil samples collected from 6-8' and
10-12'

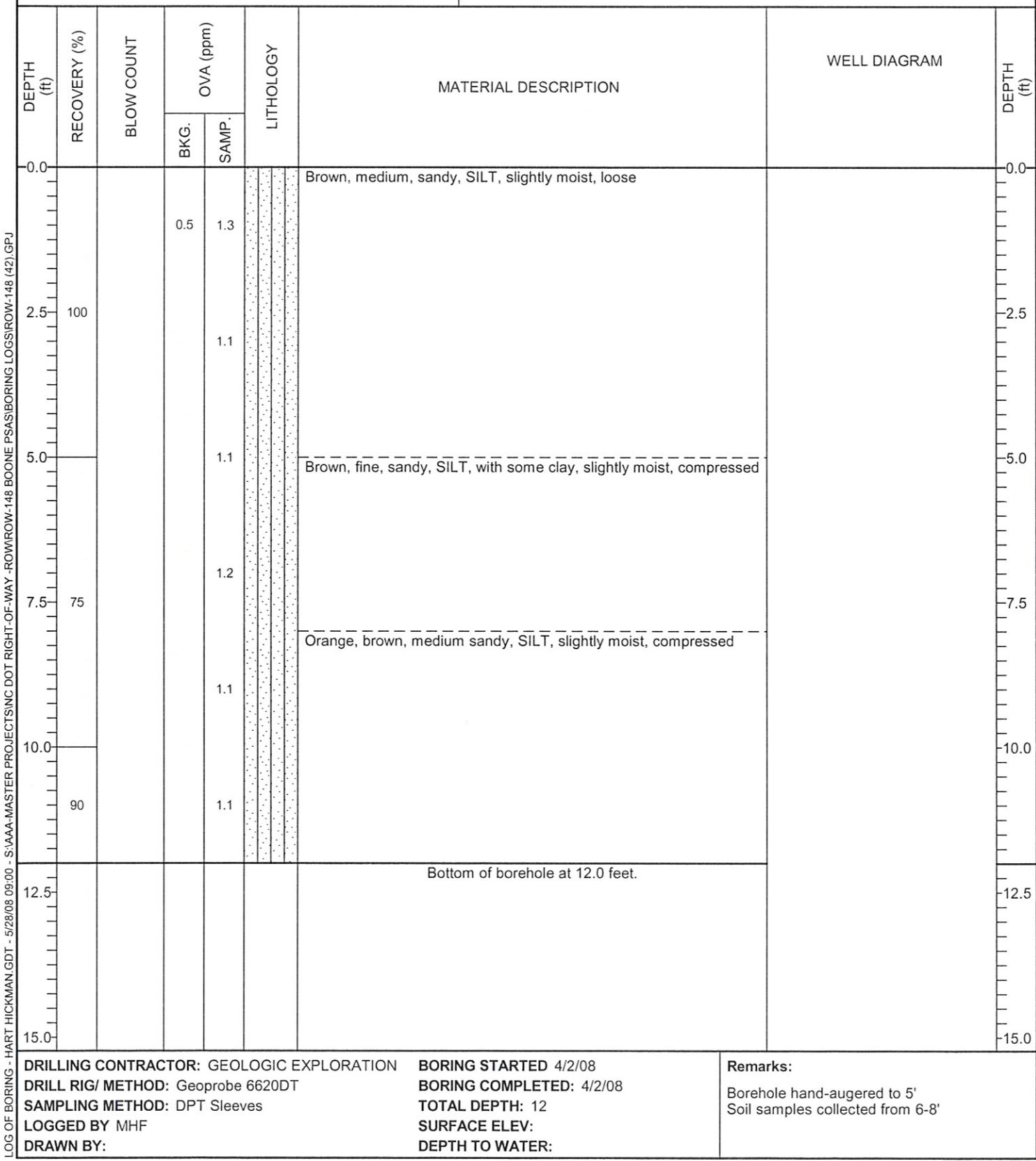


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Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-08

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



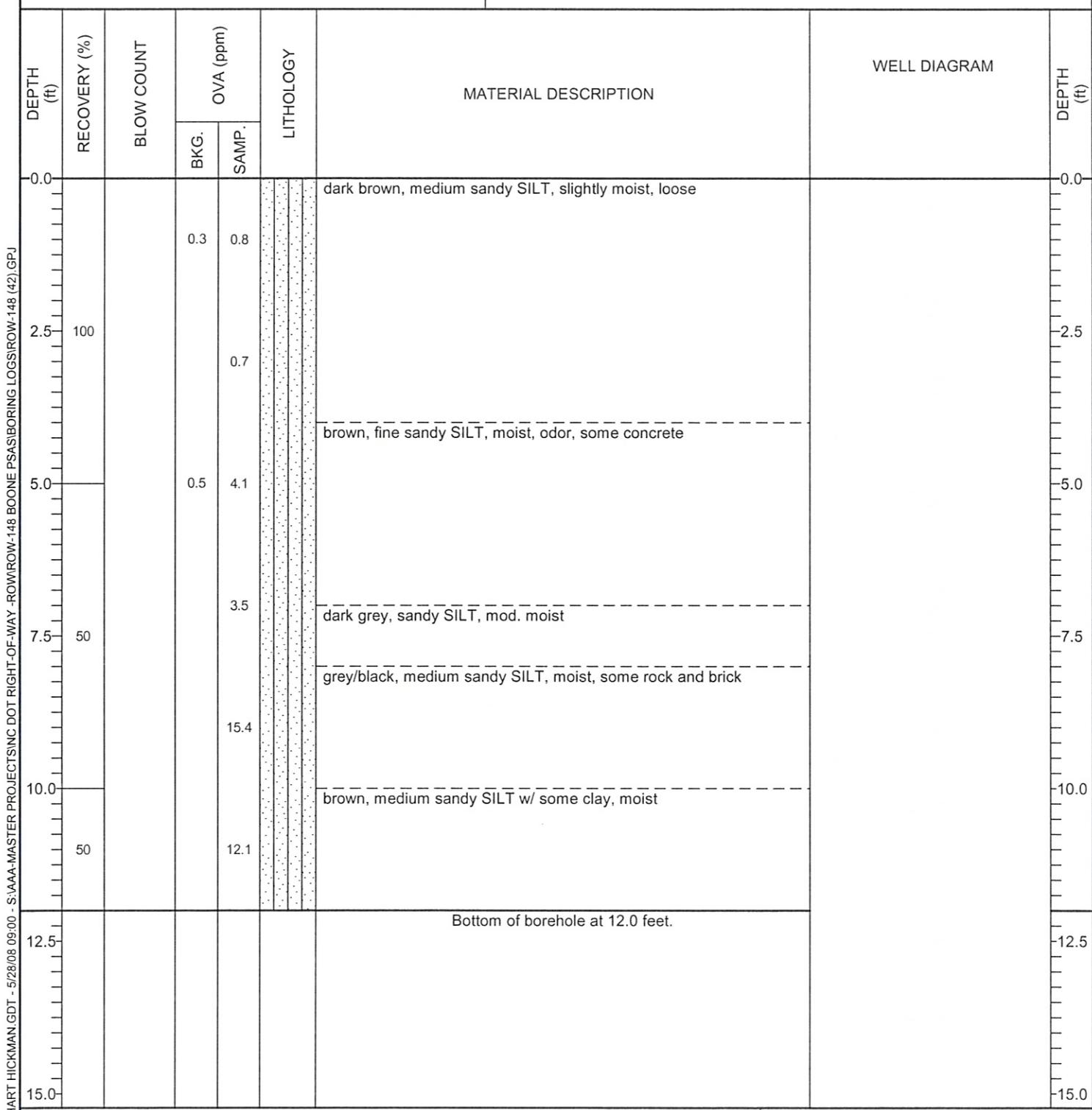


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3334 Hillsborough Street
Raleigh, North Carolina 27615
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BORING NUMBER 42-09

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



DRILLING CONTRACTOR: GEOLOGIC EXPLORATION
DRILL RIG/ METHOD: Geoprobe 6620DT
SAMPLING METHOD: DPT Sleeves
LOGGED BY MHF
DRAWN BY:

BORING STARTED 4/2/08
BORING COMPLETED: 4/3/08
TOTAL DEPTH: 12
SURFACE ELEV:
DEPTH TO WATER:

Remarks:

Borehole hand-augered to 5'
Soil samples collected from 8-10'

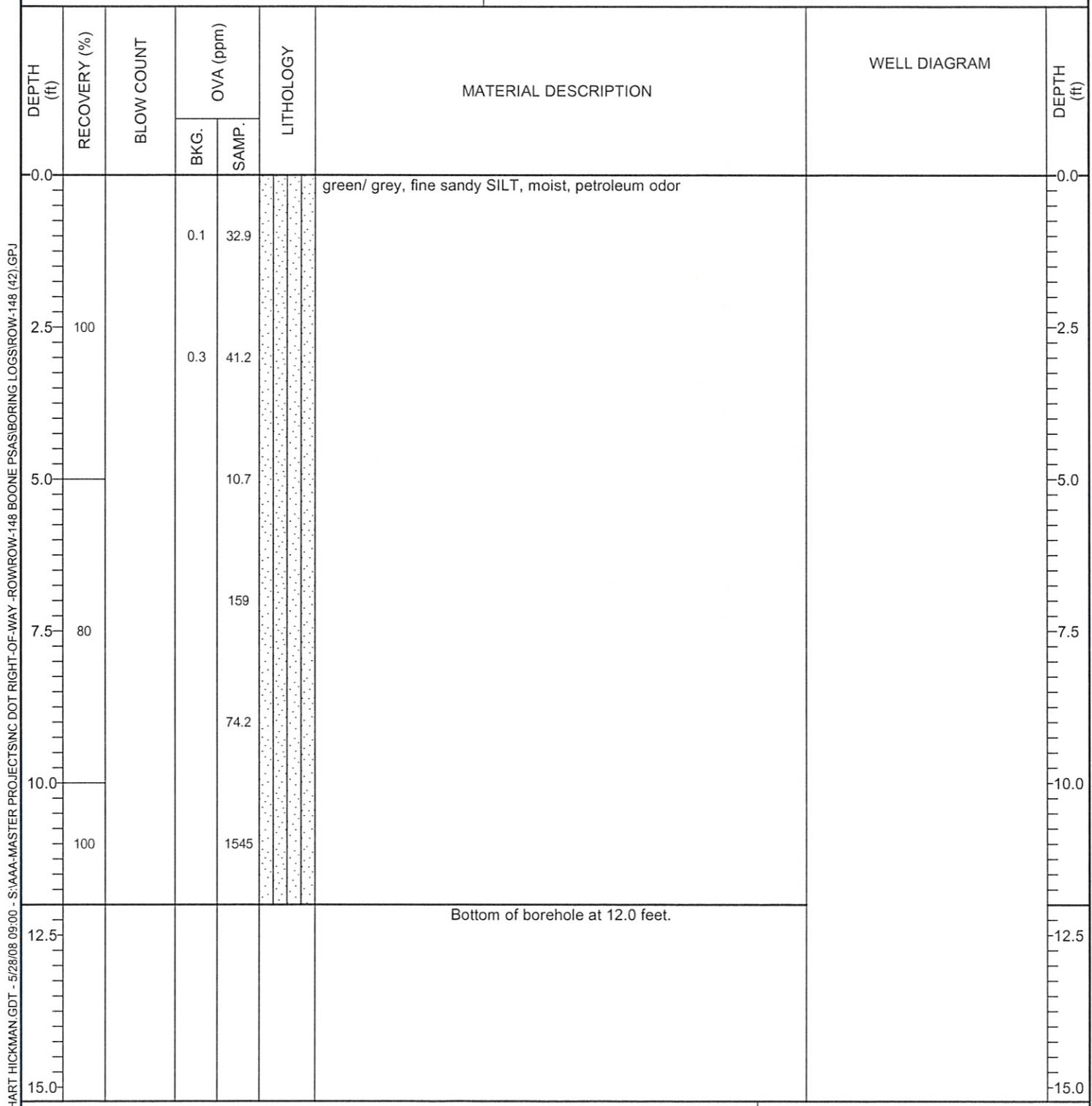


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Raleigh, North Carolina 27615
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BORING NUMBER 42-10

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



DRILLING CONTRACTOR: GEOLOGIC EXPLORATION
DRILL RIG/ METHOD: Geoprobe 6620DT
SAMPLING METHOD: DPT Sleeves
LOGGED BY MHF
DRAWN BY:

BORING STARTED 4/2/08
BORING COMPLETED: 4/2/08
TOTAL DEPTH: 12
SURFACE ELEV:
DEPTH TO WATER:

Remarks:
Borehole hand-augered to 5'
Soil samples collected from 10-12'



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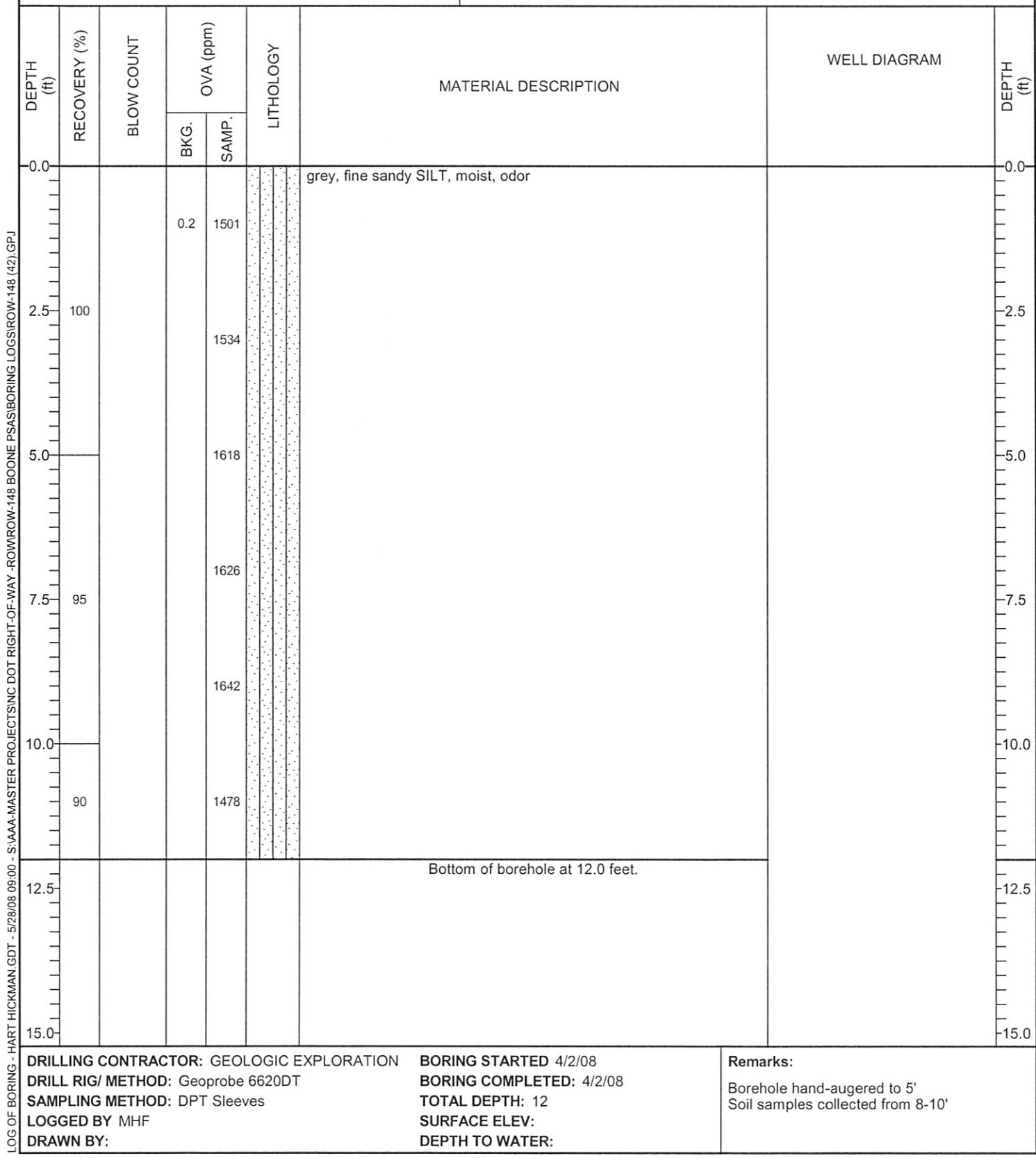
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-11

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC





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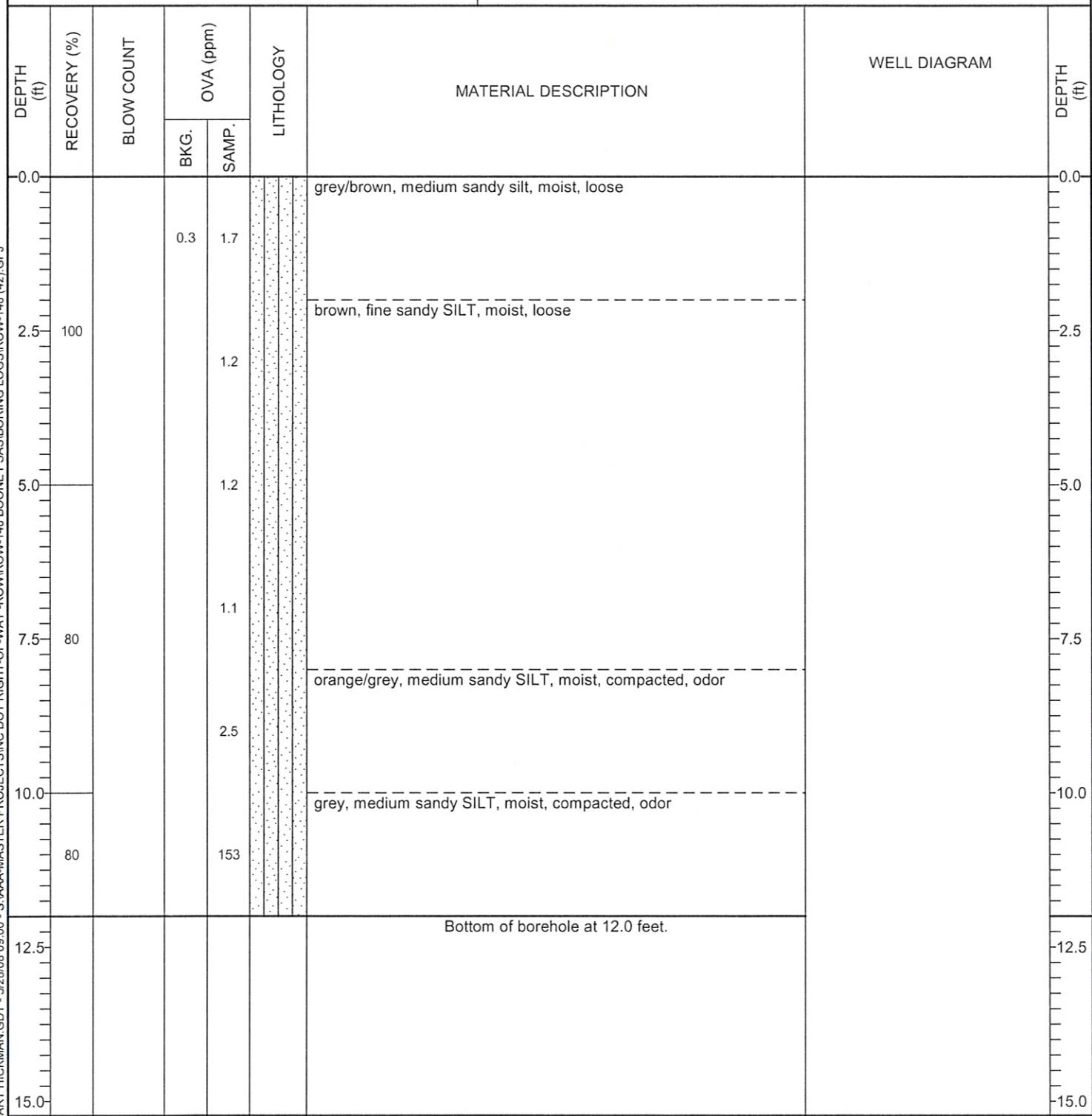
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-12

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC



DRILLING CONTRACTOR: GEOLOGIC EXPLORATION
DRILL RIG/ METHOD: Geoprobe 6620DT
SAMPLING METHOD: DPT Sleeves
LOGGED BY: MHF
DRAWN BY:

BORING STARTED: 4/2/08
BORING COMPLETED: 4/2/08
TOTAL DEPTH: 12
SURFACE ELEV:
DEPTH TO WATER:

Remarks:
Borehole hand-augered to 5'
Soil samples collected from 10-12'

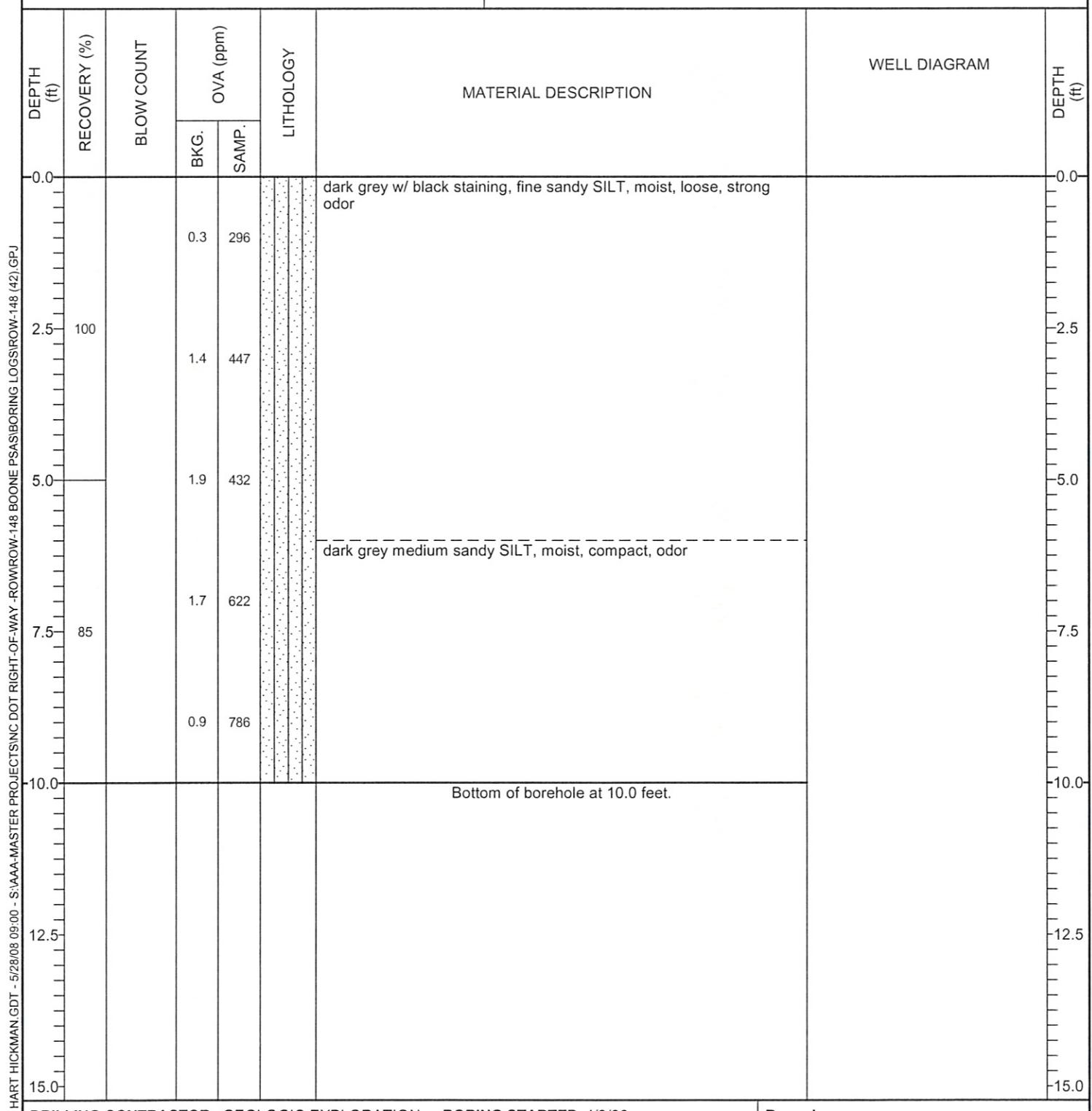


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Raleigh, North Carolina 27615
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BORING NUMBER 42-13

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



DRILLING CONTRACTOR: GEOLOGIC EXPLORATION	BORING STARTED 4/2/08	Remarks:
DRILL RIG/ METHOD: Geoprobe 6620DT	BORING COMPLETED: 4/2/08	
SAMPLING METHOD: DPT Sleeves	TOTAL DEPTH: 10	
LOGGED BY MHF	SURFACE ELEV:	
DRAWN BY:	DEPTH TO WATER:	

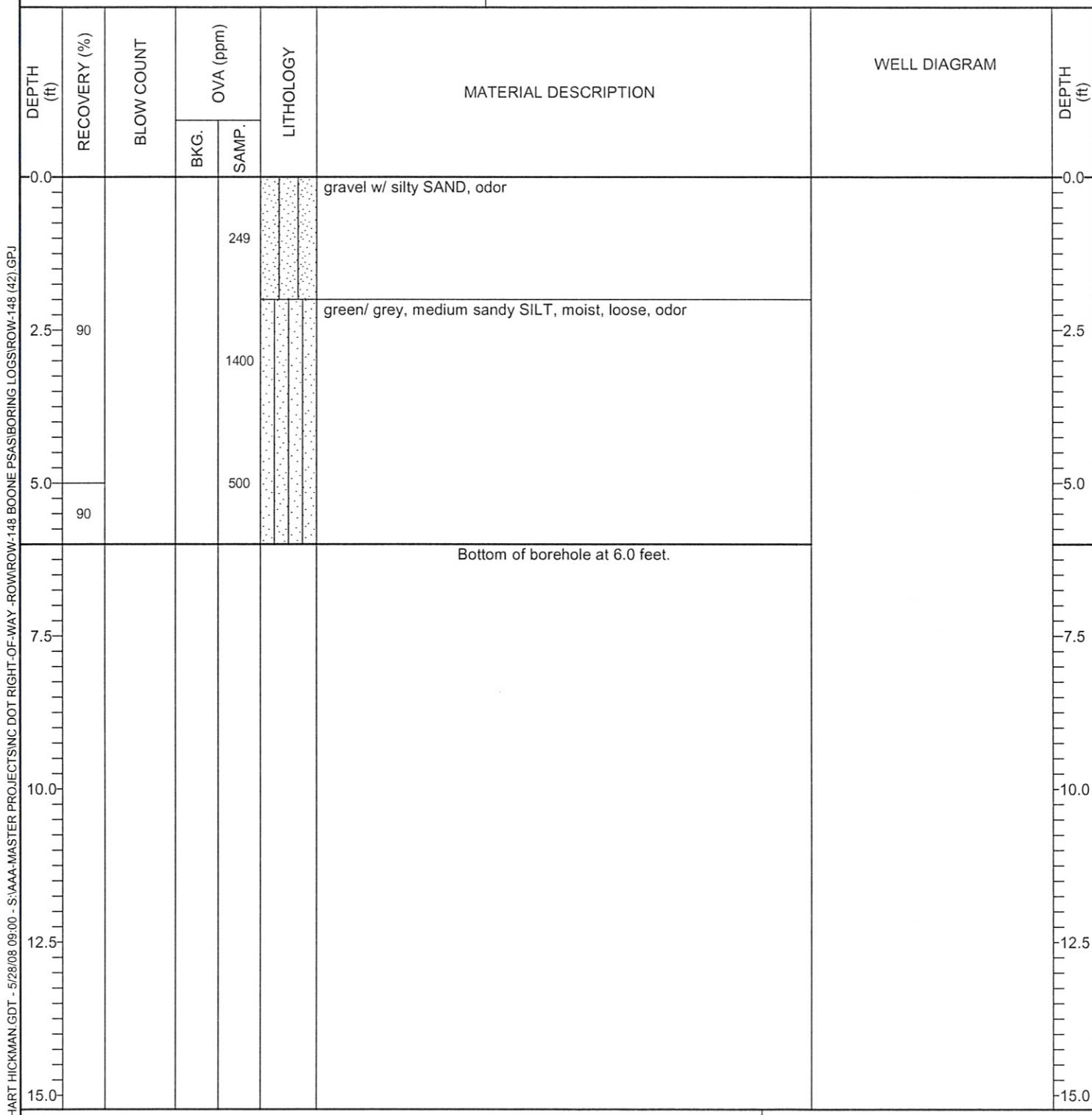


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BORING NUMBER 42-14

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



LOG OF BORING - HART HICKMAN GDT - 5/28/08 09:00 - S:\AAA-MASTER\PROJECTS\INC DOT RIGHT-OF-WAY -ROW\ROW-148 BOONE PSAS\BORING LOGS\ROW-148 (42) GPJ	DRILLING CONTRACTOR: GEOLOGIC EXPLORATION	BORING STARTED 4/2/08	Remarks:
	DRILL RIG/ METHOD: Geoprobe 6620DT	BORING COMPLETED: 4/2/08	Borehole hand-augered to 5'
	SAMPLING METHOD: DPT Sleeves	TOTAL DEPTH: 6	Soil samples collected from 2-4'
	LOGGED BY MHF	SURFACE ELEV:	
	DRAWN BY:	DEPTH TO WATER:	

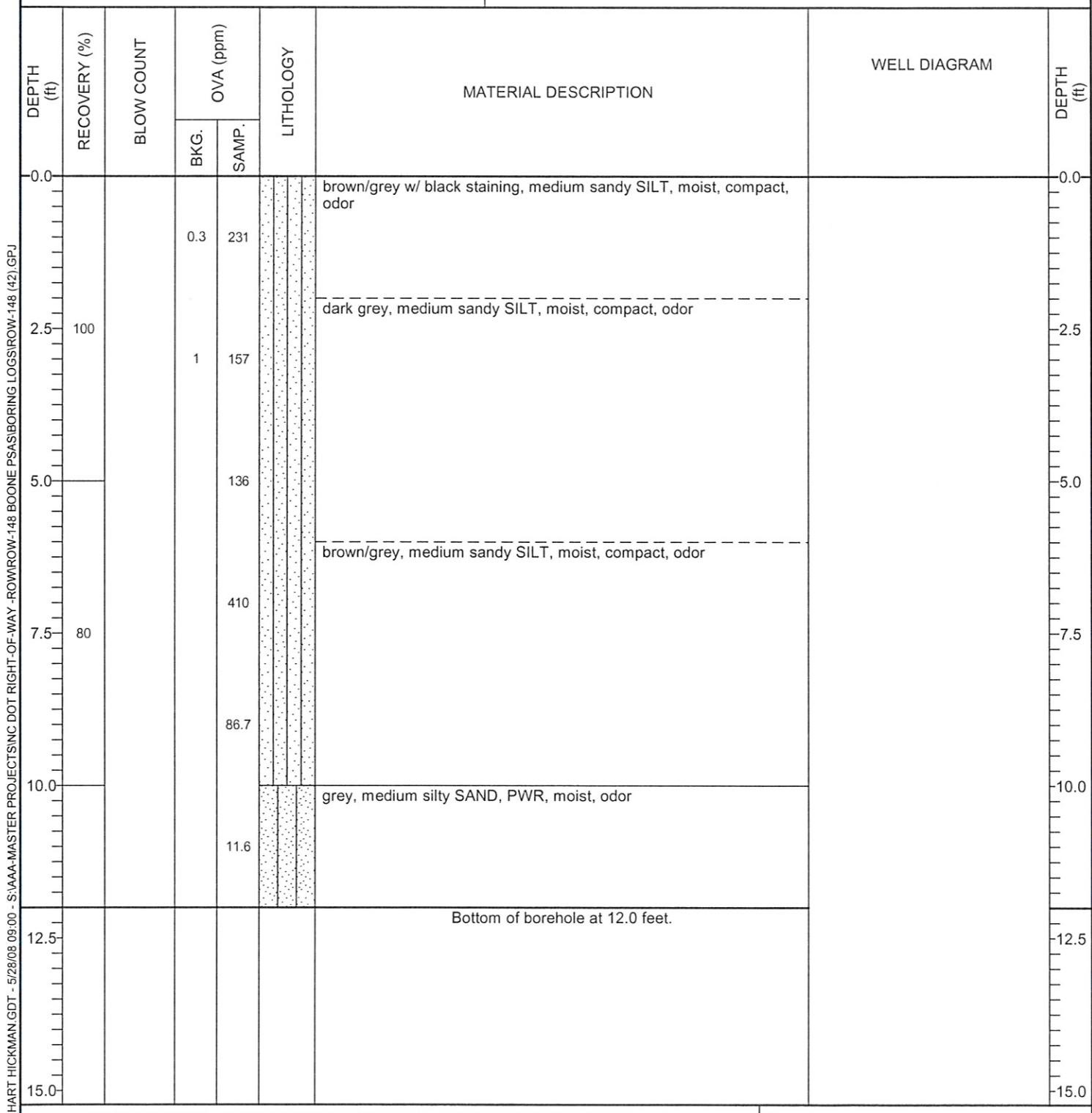


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Raleigh, North Carolina 27615
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BORING NUMBER 42-15

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



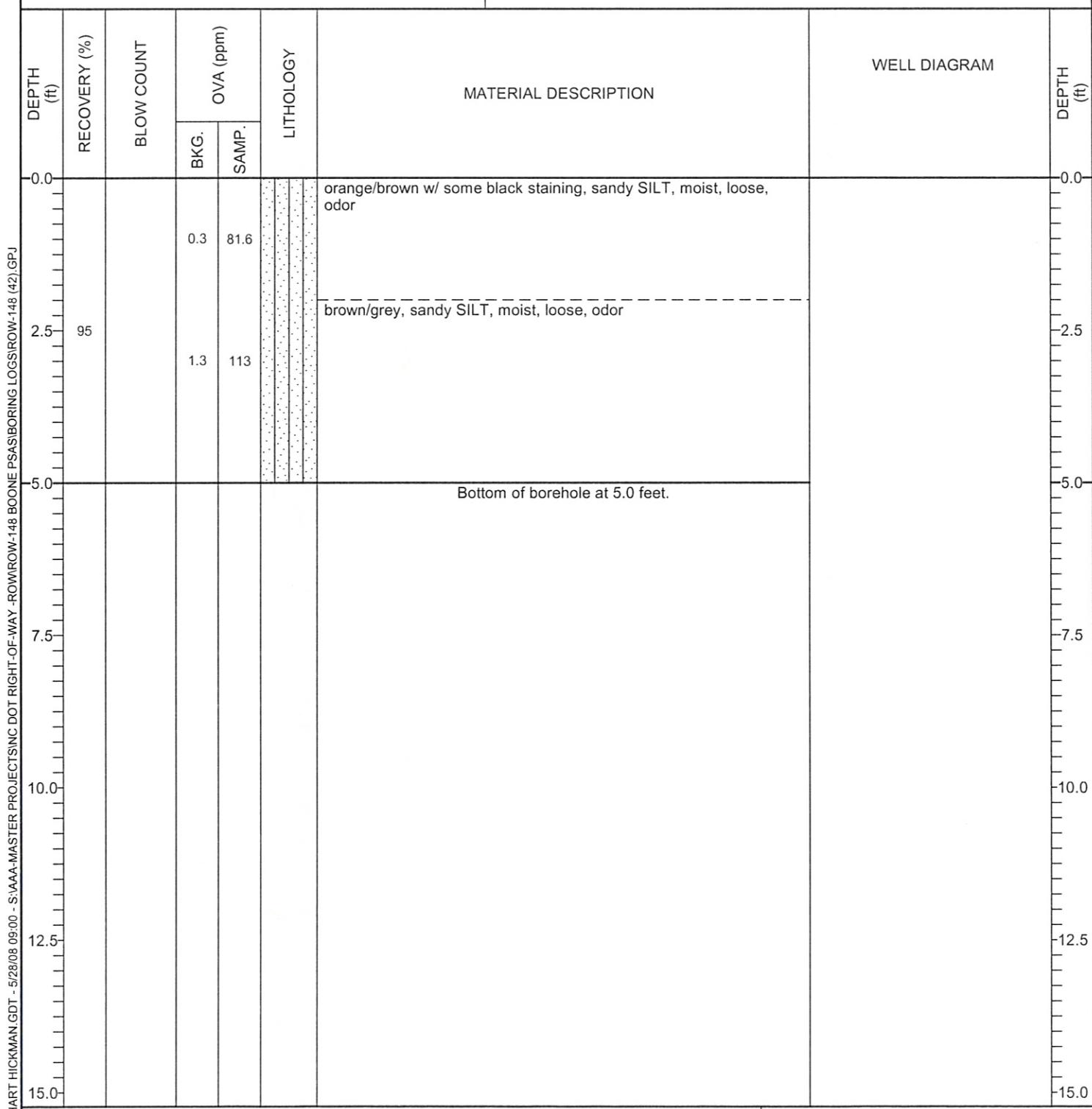
DRILLING CONTRACTOR: GEOLOGIC EXPLORATION	BORING STARTED 4/2/08	Remarks:
DRILL RIG/ METHOD: Geoprobe 6620DT	BORING COMPLETED: 4/2/08	
SAMPLING METHOD: DPT Sleeves	TOTAL DEPTH: 12	
LOGGED BY MHF	SURFACE ELEV:	
DRAWN BY:	DEPTH TO WATER:	Borehole hand-augered to 5' Soil samples collected from 6-8' and 10-12'



BORING NUMBER 42-16

2923 South Tryon Street-Suite 100 3334 Hillsborough Street
Charlotte, North Carolina 28203 Raleigh, North Carolina 27615
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PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



DRILLING CONTRACTOR: GEOLOGIC EXPLORATION
DRILL RIG/ METHOD: Geoprobe 6620DT
SAMPLING METHOD: DPT Sleeves
LOGGED BY MHF
DRAWN BY:

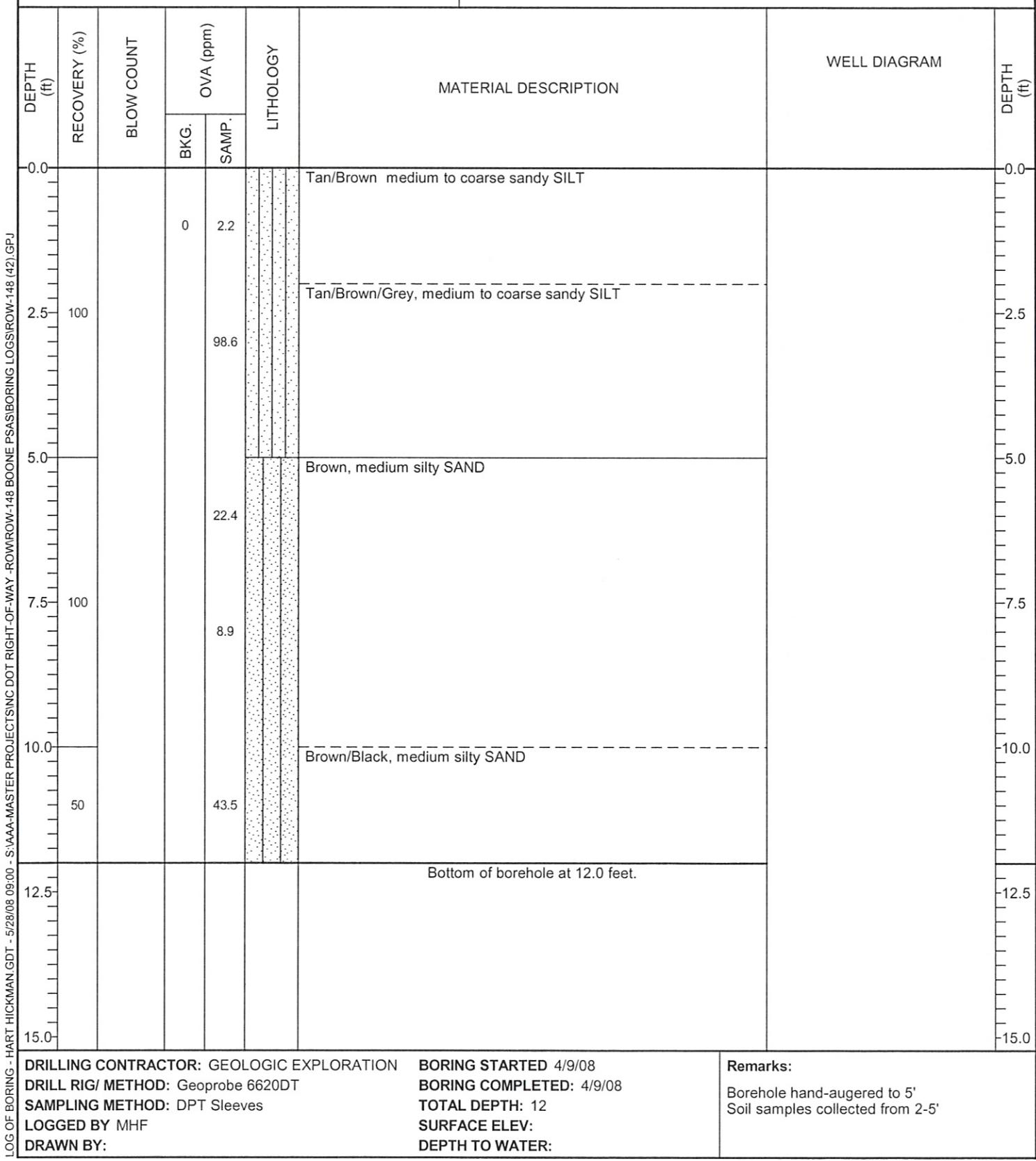


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Charlotte, North Carolina 28203
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3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-17

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC





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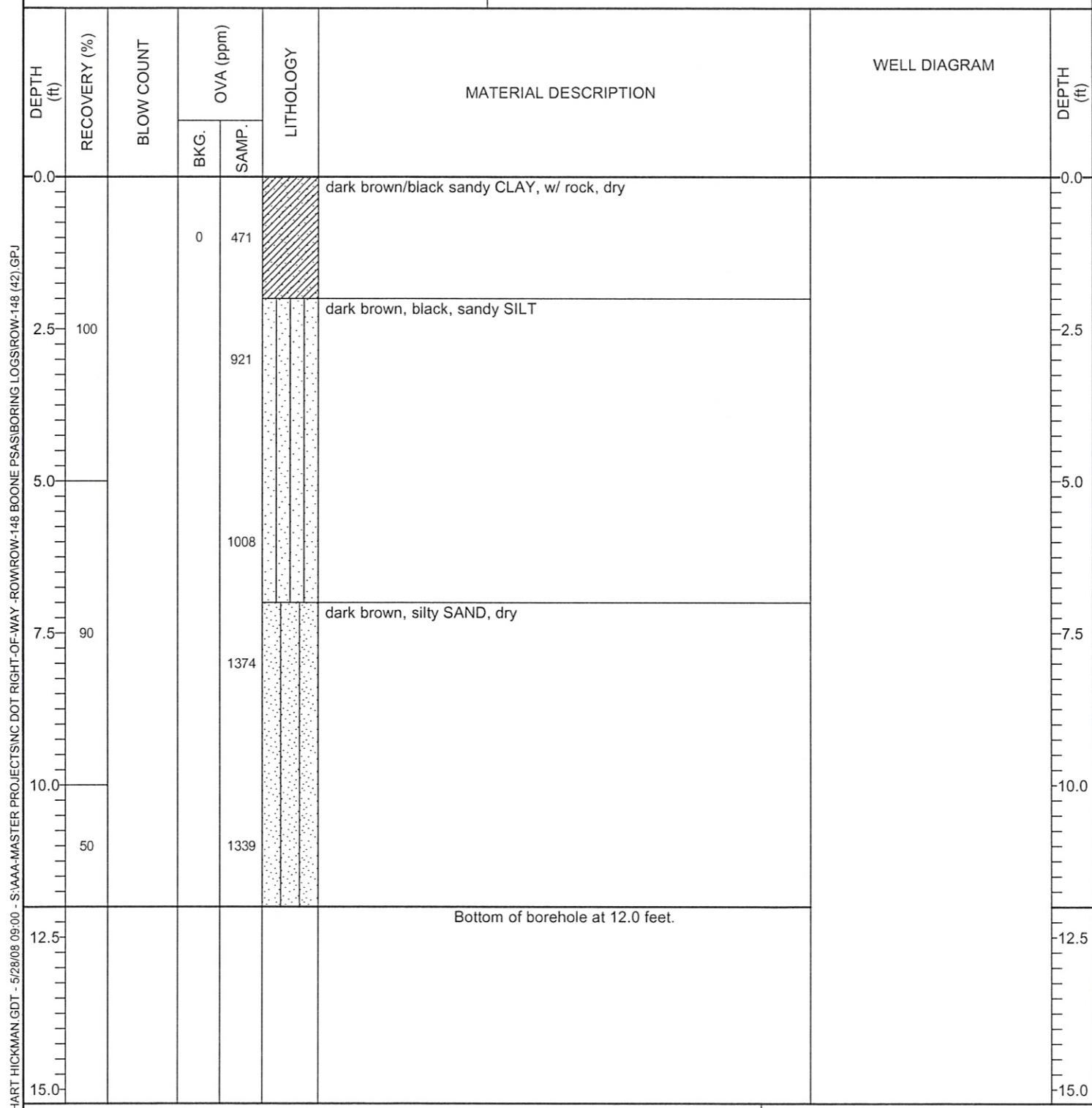
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-18

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC



LOG OF BORING - HART HICKMAN GDT - 5/28/08 09:00 - S:\\AAA-MASTER\\PROJECTS\\INC DOT RIGHT-OF-WAY -ROW\\ROW-148 BOONE PSAS\\BORING LOGS\\ROW-148 (42) GPJ	DRILLING CONTRACTOR: GEOLOGIC EXPLORATION	BORING STARTED 4/9/08	Remarks:
	DRILL RIG/ METHOD: Geoprobe 6620DT	BORING COMPLETED: 4/9/08	
	SAMPLING METHOD: DPT Sleeves	TOTAL DEPTH: 12	Borehole hand-augered to 5'
	LOGGED BY MHF	SURFACE ELEV:	Soil samples collected from 7-10'
	DRAWN BY:	DEPTH TO WATER:	

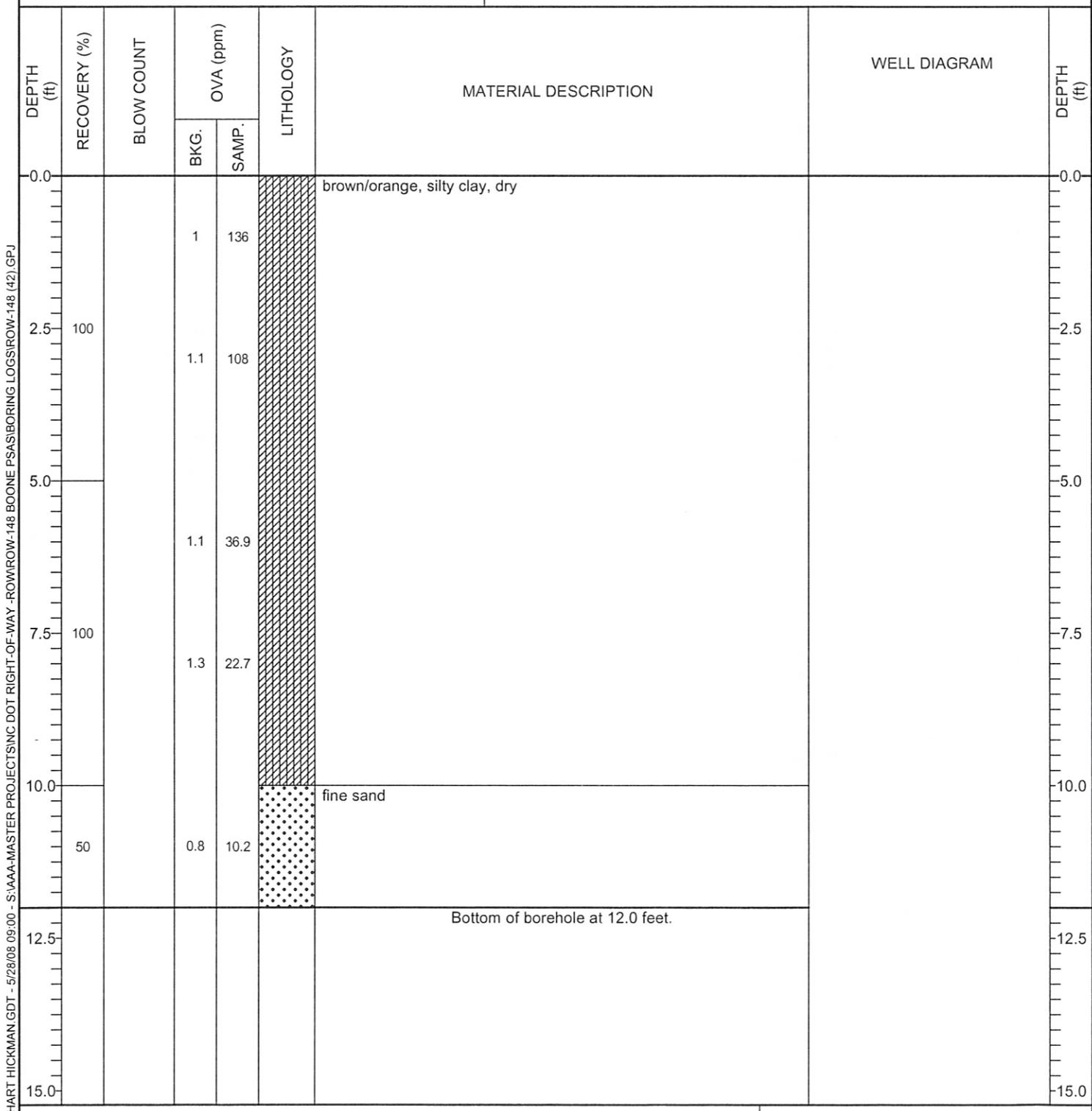


2923 South Tryon Street-Suite 100
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704-586-0007(p) 704-586-0373(f)

3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-19

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



LOG OF BORING - HART HICKMAN GDT - 5/28/08 09:00 - S:\AAA-MASTER\PROJECTS\INC DOT RIGHT-OF-WAY -ROW\ROW-148 BOONE PSAS\BORING LOGS\ROW-148 (42).GPJ	DRILLING CONTRACTOR: GEOLOGIC EXPLORATION	BORING STARTED 4/9/08	Remarks:
	DRILL RIG/ METHOD: Geoprobe 6620DT	BORING COMPLETED: 4/9/08	Borehole hand-augered to 5'
	SAMPLING METHOD: DPT Sleeves	TOTAL DEPTH: 12	Soil samples collected from 0-2'
	LOGGED BY MHF	SURFACE ELEV:	
	DRAWN BY:	DEPTH TO WATER:	

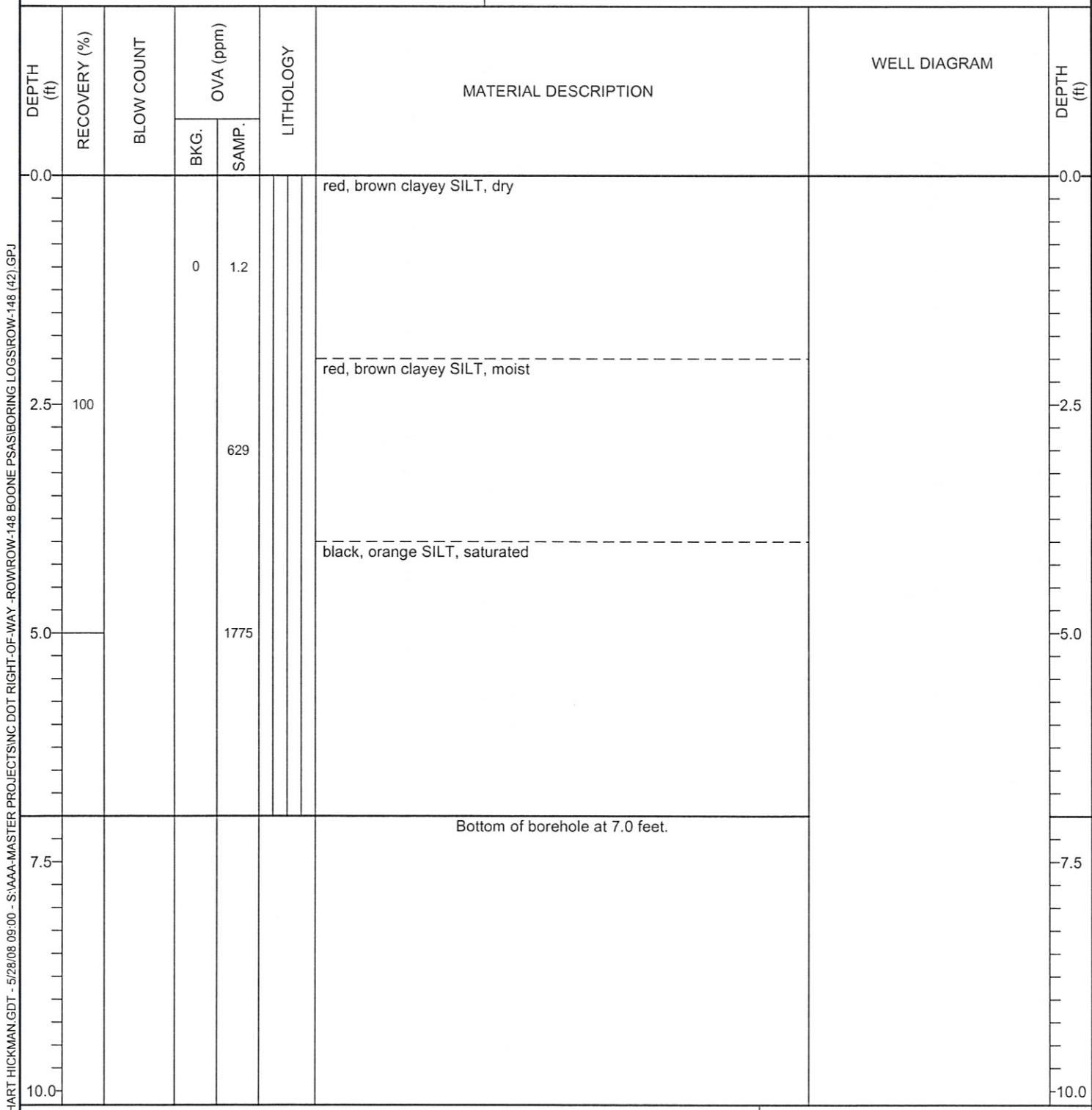


BORING NUMBER 42-20

2923 South Tryon Street-Suite 100
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3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



DRILLING CONTRACTOR: GEOLOGIC EXPLORATION
DRILL RIG/ METHOD: Geoprobe 6620DT
SAMPLING METHOD: DPT Sleeves
LOGGED BY MHF
DRAWN BY:

BORING STARTED 4/9/08
BORING COMPLETED: 4/9/08
TOTAL DEPTH: 7
SURFACE ELEV:
DEPTH TO WATER:

Remarks:
Borehole hand-augered to 7'
Soil samples collected from 6-7'

(Continued Next Page)



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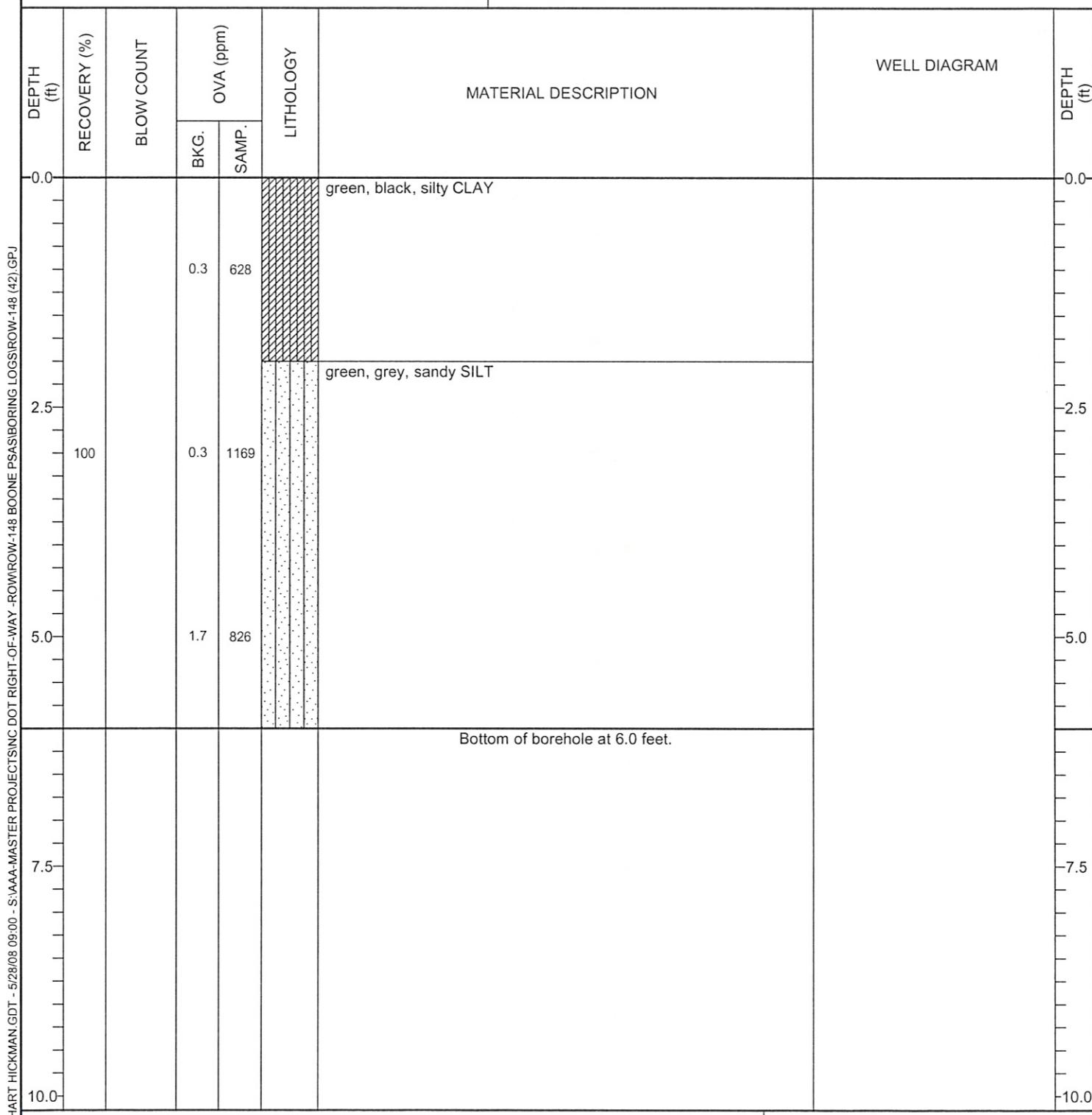
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-21

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC



LOG OF BORING - HART HICKMAN GDT - 5/28/08 09:00 - S:\AAA-MASTER\PROJECTS\INC DOT RIGHT-OF-WAY -ROW\ROW-148 BOONE PSAS\BORING LOGS\ROW-148 (42).GPJ	DRILLING CONTRACTOR: GEOLOGIC EXPLORATION	BORING STARTED 4/9/08	Remarks:
	DRILL RIG/ METHOD: Geoprobe 6620DT	BORING COMPLETED: 4/9/08	
	SAMPLING METHOD: DPT Sleeves	TOTAL DEPTH: 6	Borehole hand-augered to 6'
	LOGGED BY MHF	SURFACE ELEV:	Samples collected from 2-4'
	DRAWN BY:	DEPTH TO WATER:	



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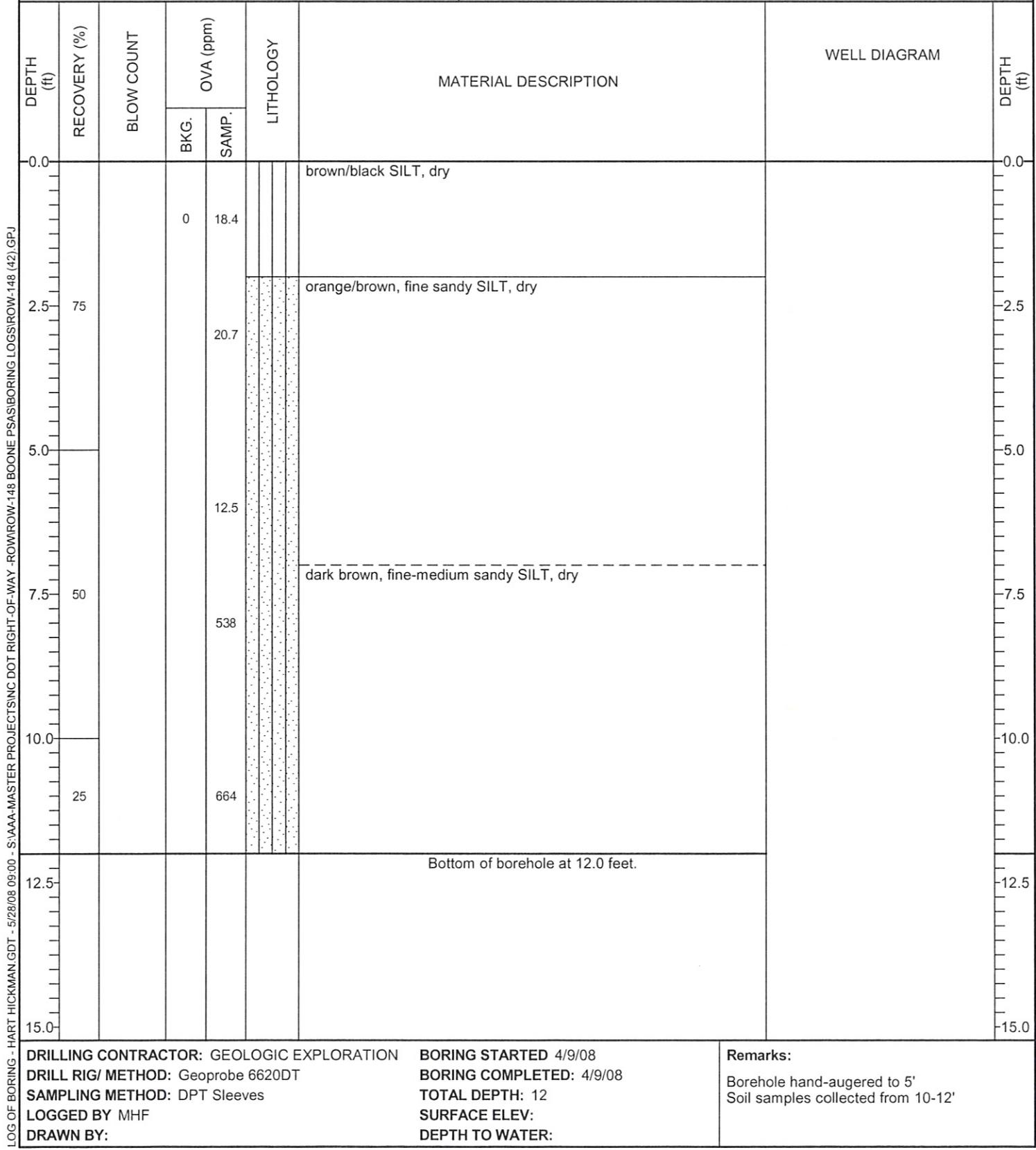
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-22

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC





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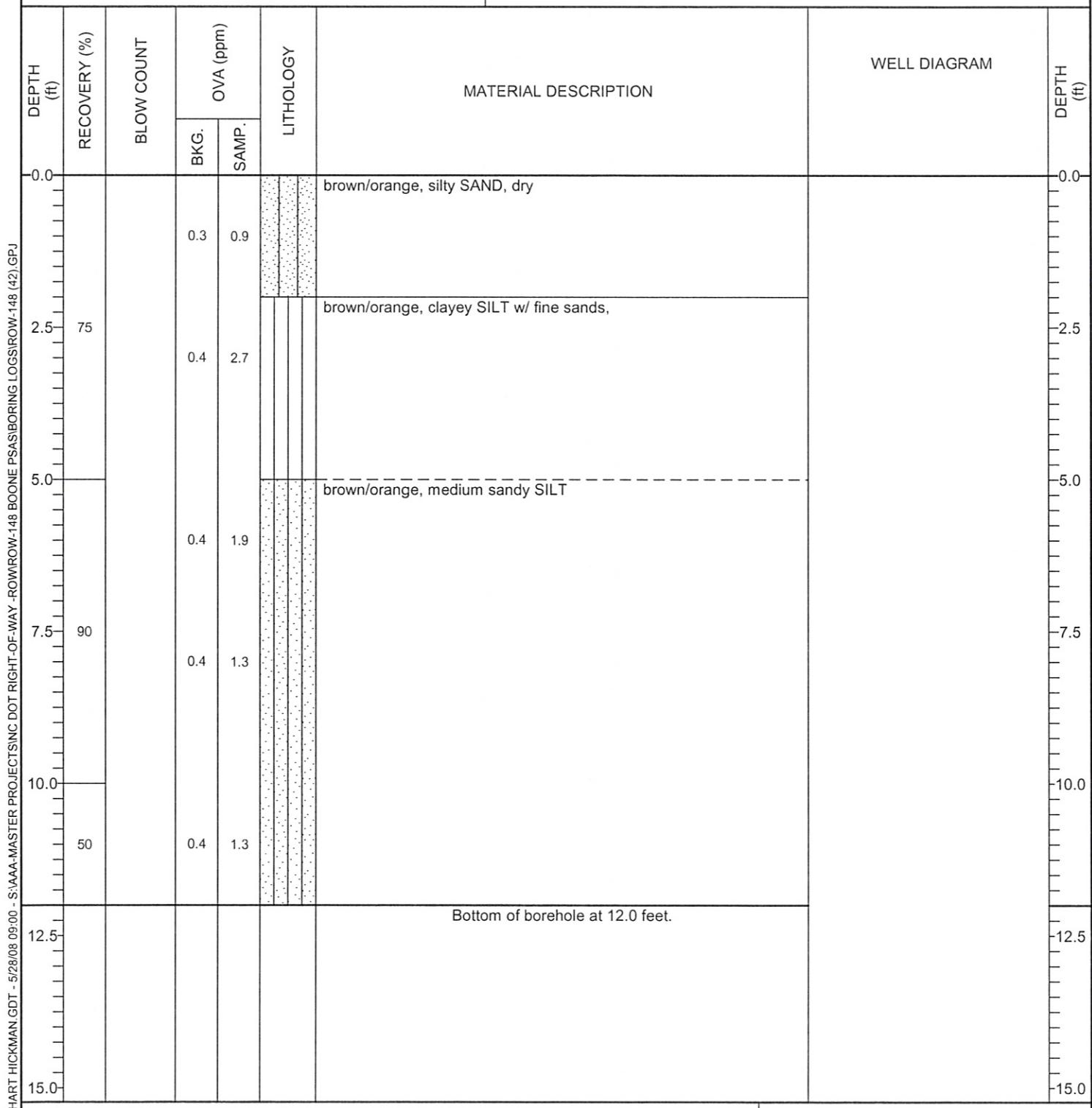
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-23

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC



DRILLING CONTRACTOR: GEOLOGIC EXPLORATION	BORING STARTED 4/9/08	Remarks:
DRILL RIG/ METHOD: Geoprobe 6620DT	BORING COMPLETED: 4/9/08	
SAMPLING METHOD: DPT Sleeves	TOTAL DEPTH: 12	
LOGGED BY MHF	SURFACE ELEV:	
DRAWN BY:	DEPTH TO WATER:	Borhole hand-augered to 5' Soil samples collected from 2-5'



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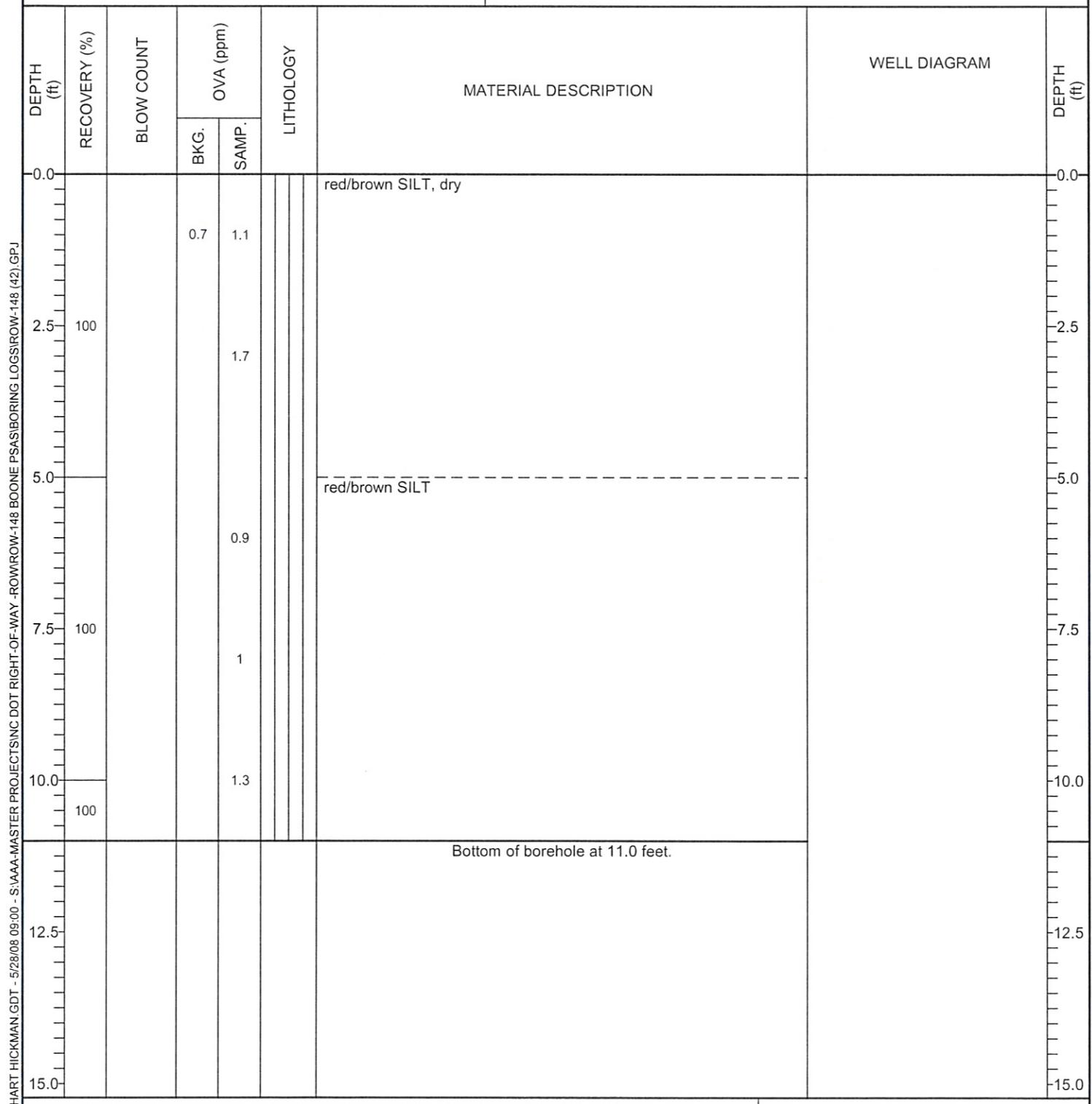
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-24

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC



LOG OF BORING - HART HICKMAN GDT - 5/28/08 09:00 - S:\AAA-MASTER\PROJECTS\INC DOT RIGHT-OF-WAY -ROW\ROW-148 BOONE PSAS\BORING LOGS\ROW-148 (42).GPJ	DRILLING CONTRACTOR: GEOLOGIC EXPLORATION	BORING STARTED 4/9/08	Remarks:
	DRILL RIG/ METHOD: Geoprobe 6620DT	BORING COMPLETED: 4/9/08	Borehole hand-augered to 5'
	SAMPLING METHOD: DPT Sleeves	TOTAL DEPTH: 11	Soil samples collected from 2-5'
	LOGGED BY MHF	SURFACE ELEV:	
	DRAWN BY:	DEPTH TO WATER:	



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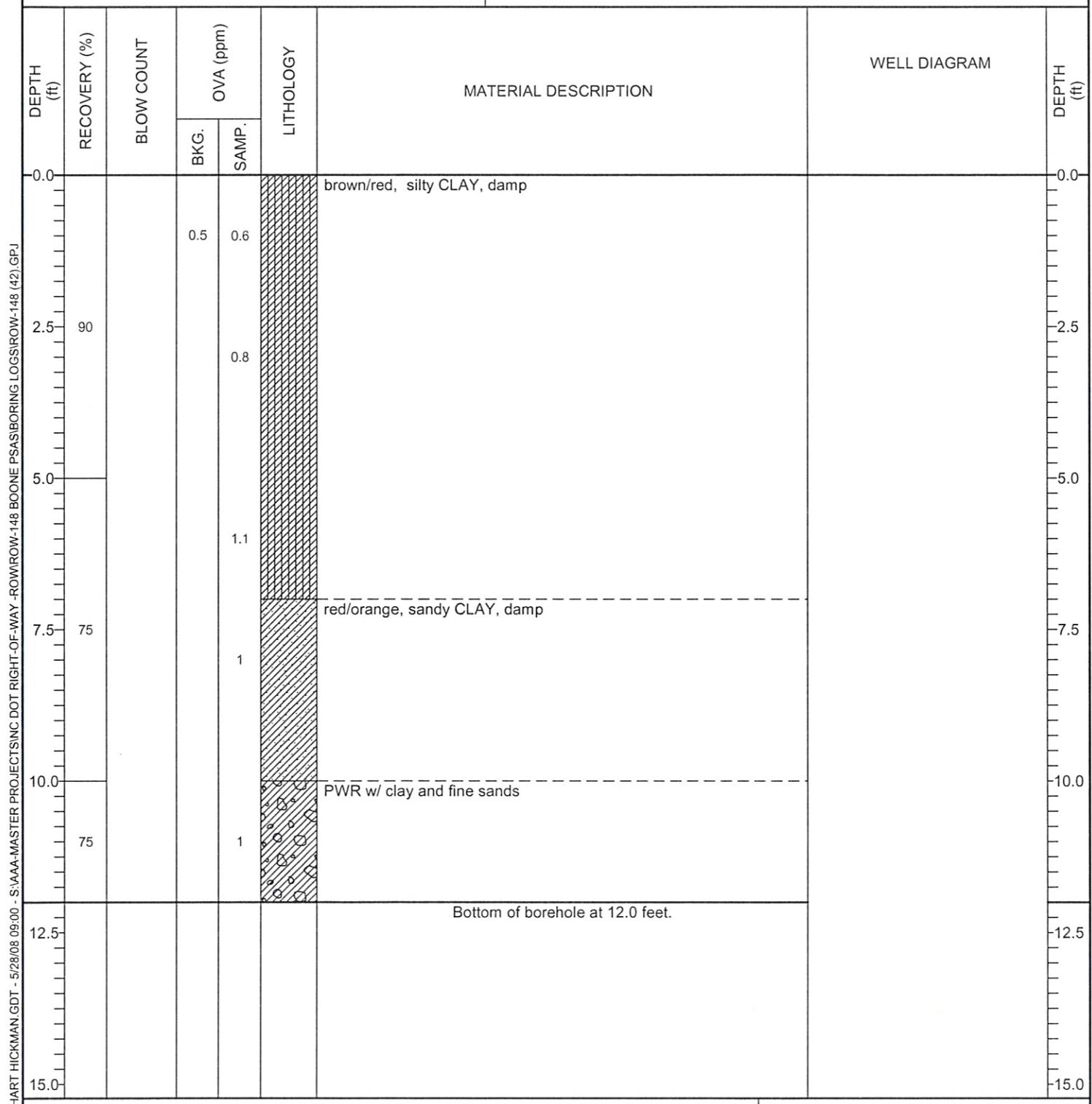
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-25

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC



DRILLING CONTRACTOR: GEOLOGIC EXPLORATION
DRILL RIG/ METHOD: Geoprobe 6620DT
SAMPLING METHOD: DPT Sleeves
LOGGED BY MHF
DRAWN BY:

BORING STARTED 4/9/08
BORING COMPLETED: 4/9/08
TOTAL DEPTH: 12
SURFACE ELEV:
DEPTH TO WATER:

Remarks:

Borehole hand-augered to 5'
Soil samples collected from 5-7'

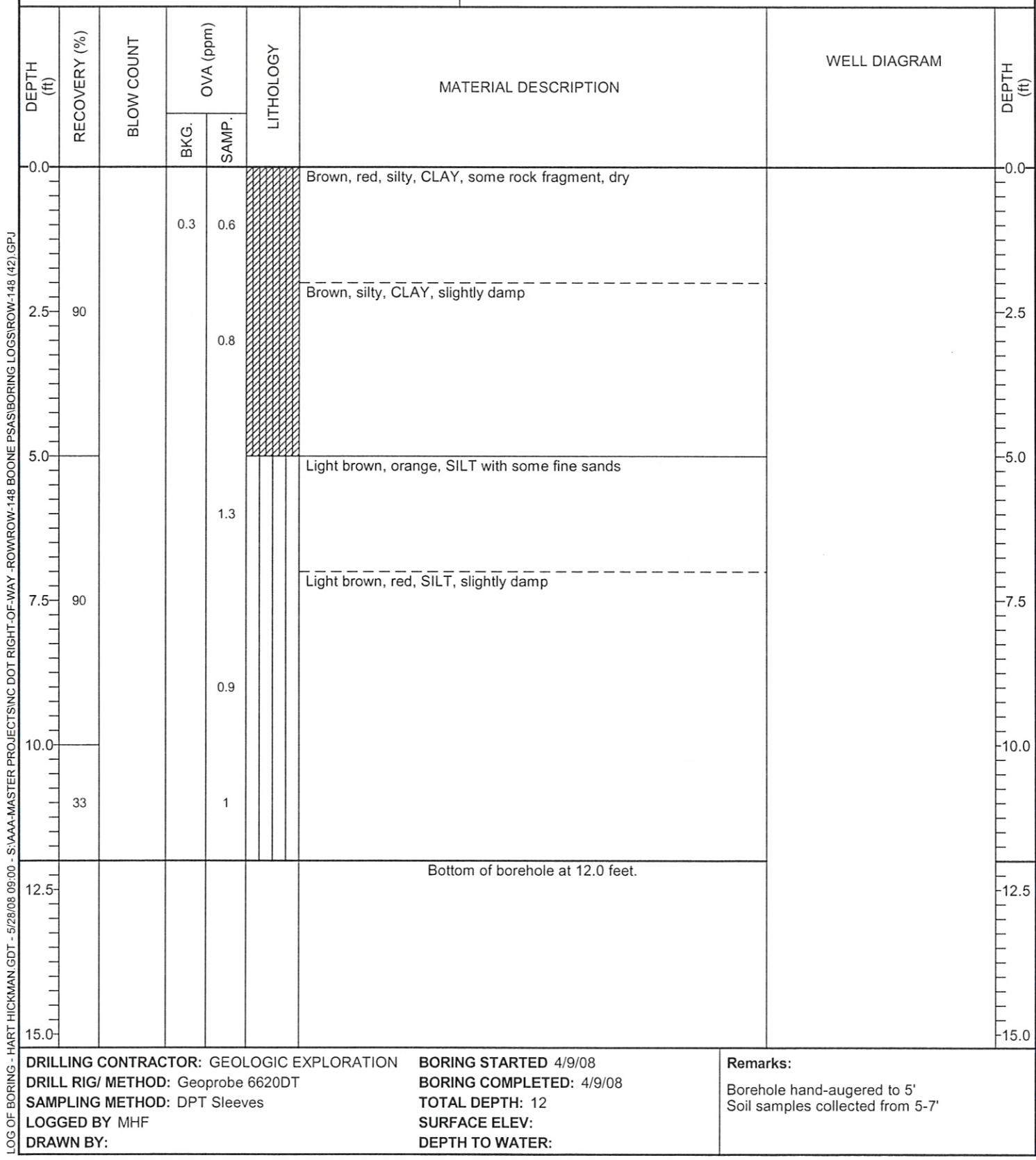


BORING NUMBER 42-26

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



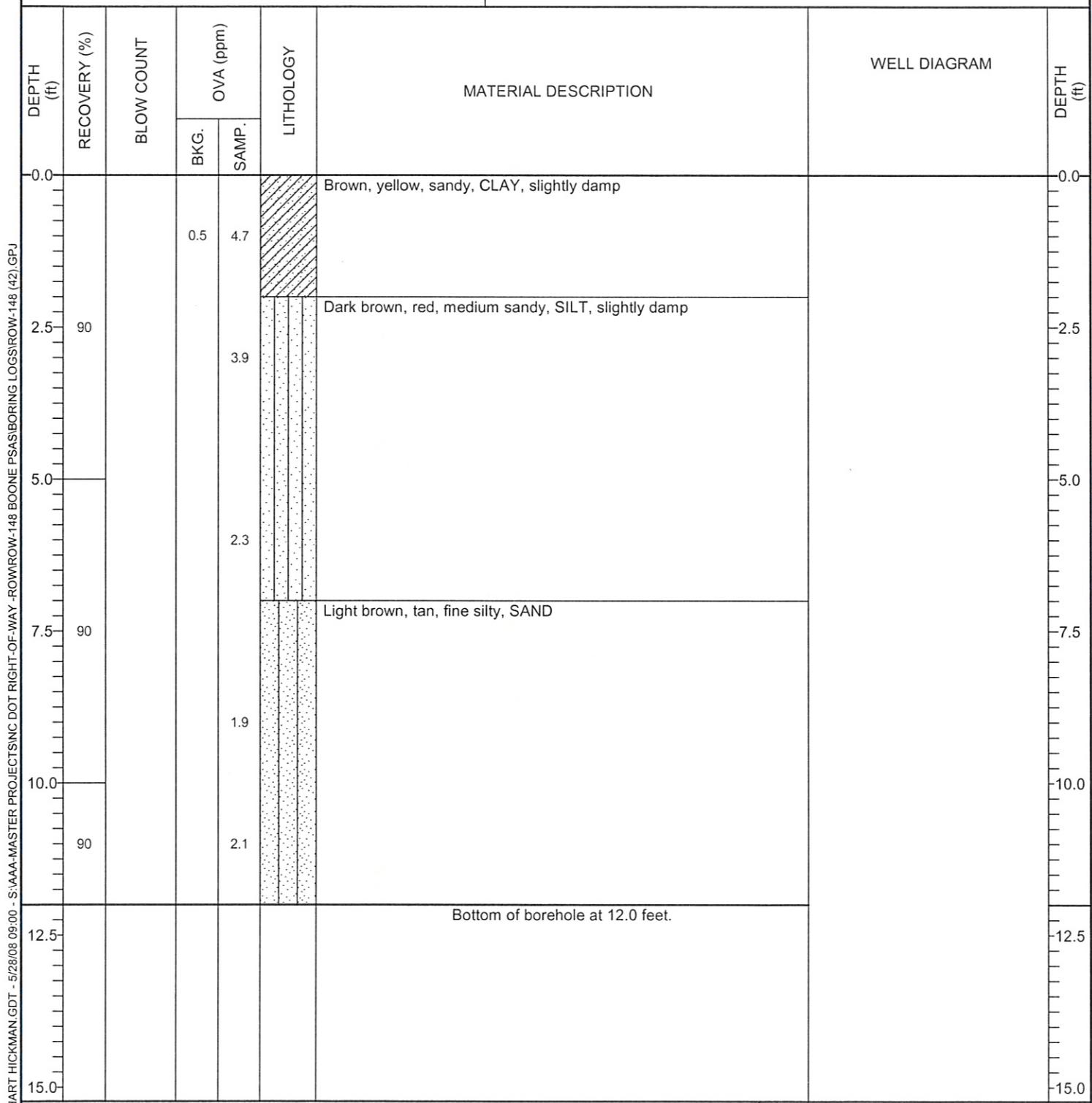


BORING NUMBER 42-27

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

3334 Hillsborough Street
Raleigh, North Carolina 27615
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PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



LOG OF BORING - HART HICKMAN GDT - 5/28/08 09:00 - S:\\AAA-MASTER PROJECTS\\INC DOT RIGHT-OF-WAY -ROW\\ROW-148 BOONE PSAS\\BORING LOGS\\ROW-148 (42) GPJ	DRILLING CONTRACTOR: GEOLOGIC EXPLORATION	BORING STARTED 4/9/08	Remarks:
DRILL RIG/ METHOD: Geoprobe 6620DT		BORING COMPLETED: 4/9/08	
SAMPLING METHOD: DPT Sleeves		TOTAL DEPTH: 12	Borehole hand-augered to 5'
LOGGED BY MHF		SURFACE ELEV:	Soil samples collected from 5-7'
DRAWN BY:		DEPTH TO WATER:	

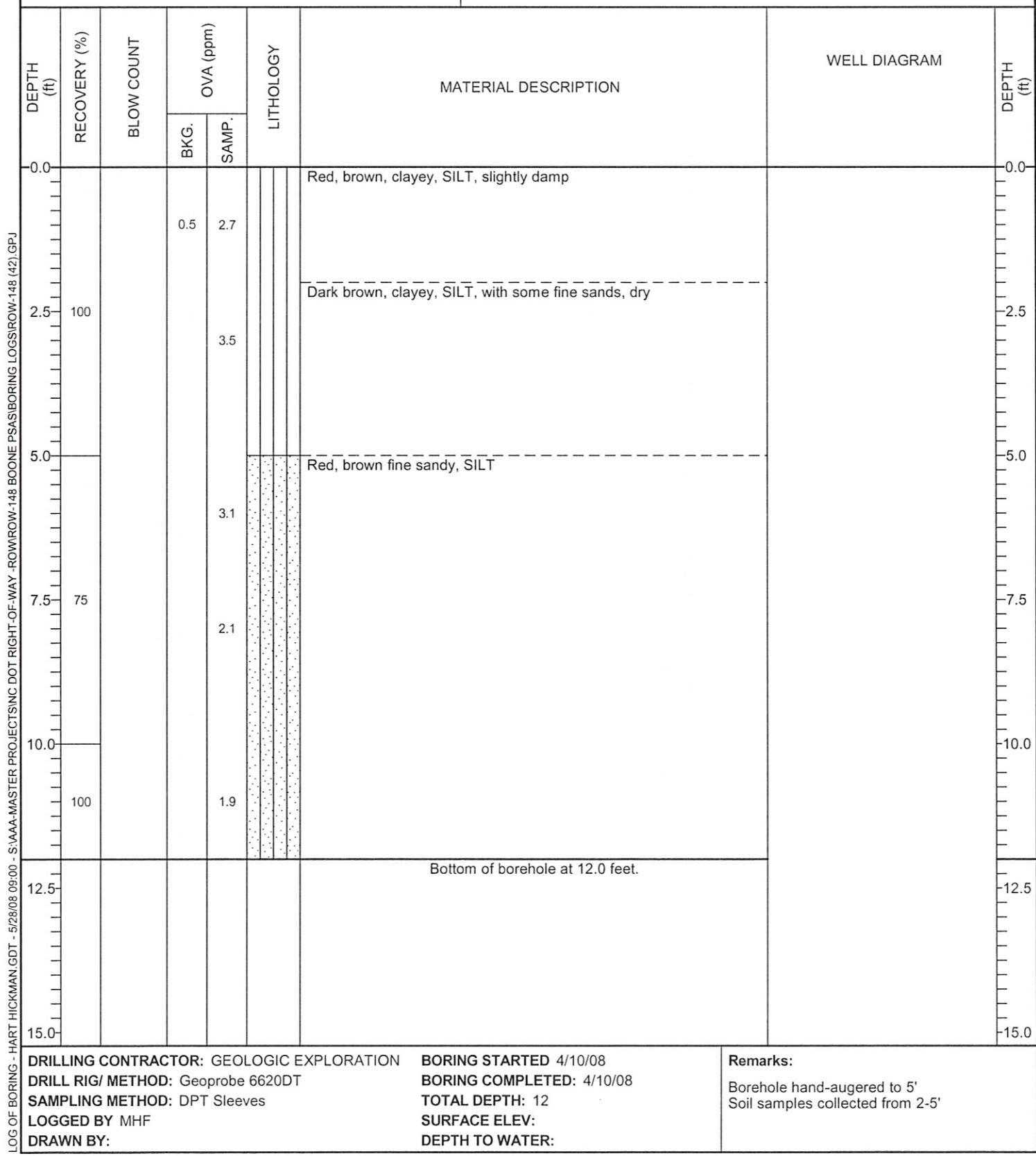


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BORING NUMBER 42-28

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC





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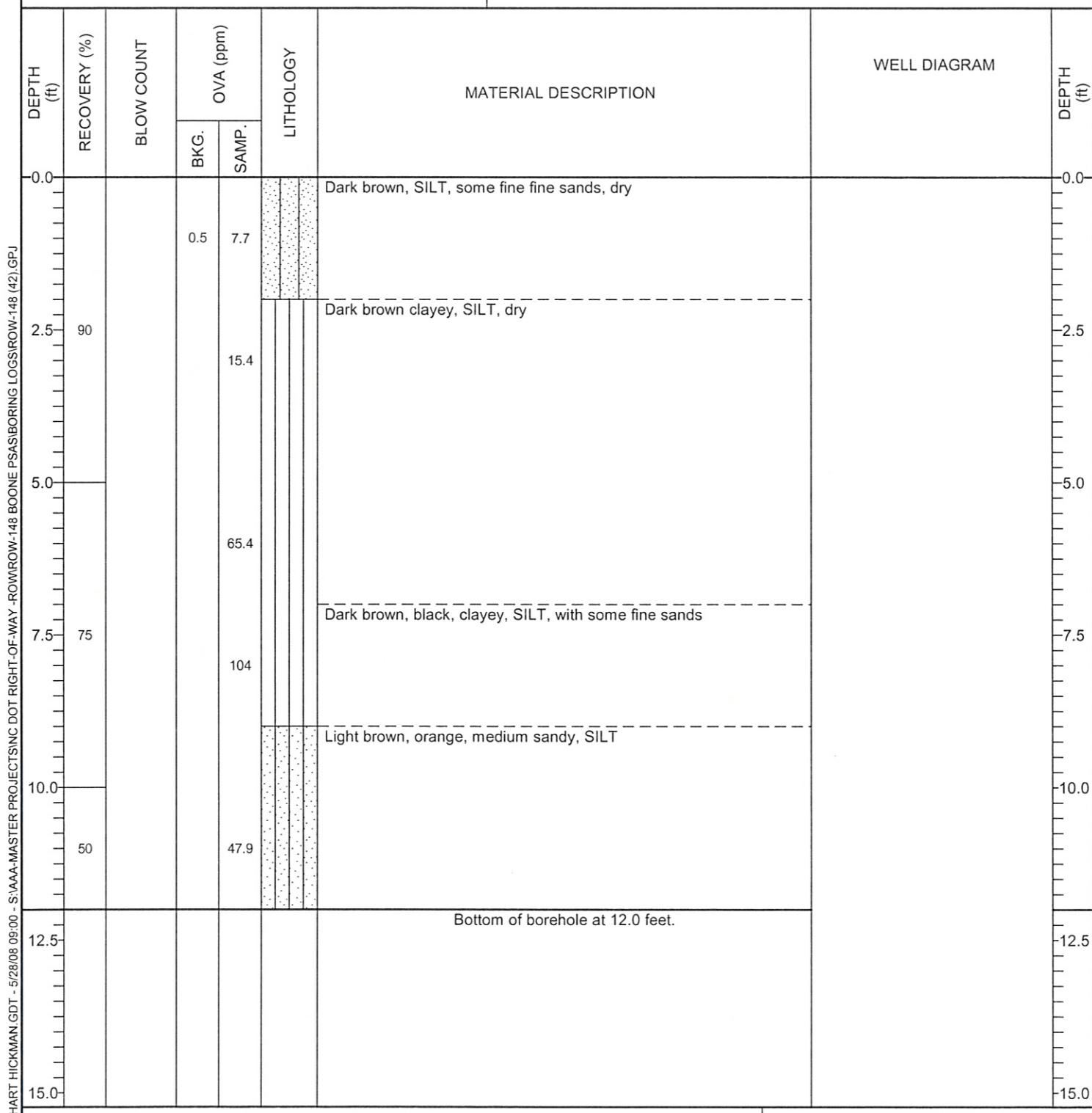
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-29

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC



DRILLING CONTRACTOR: GEOLOGIC EXPLORATION	BORING STARTED 4/10/08	Remarks:
DRILL RIG/ METHOD: Geoprobe 6620DT	BORING COMPLETED: 4/10/08	
SAMPLING METHOD: DPT Sleeves	TOTAL DEPTH: 12	
LOGGED BY MHF	SURFACE ELEV:	
DRAWN BY:	DEPTH TO WATER:	Borehole hand-augered to 5' Soil samples collected from 7-9'

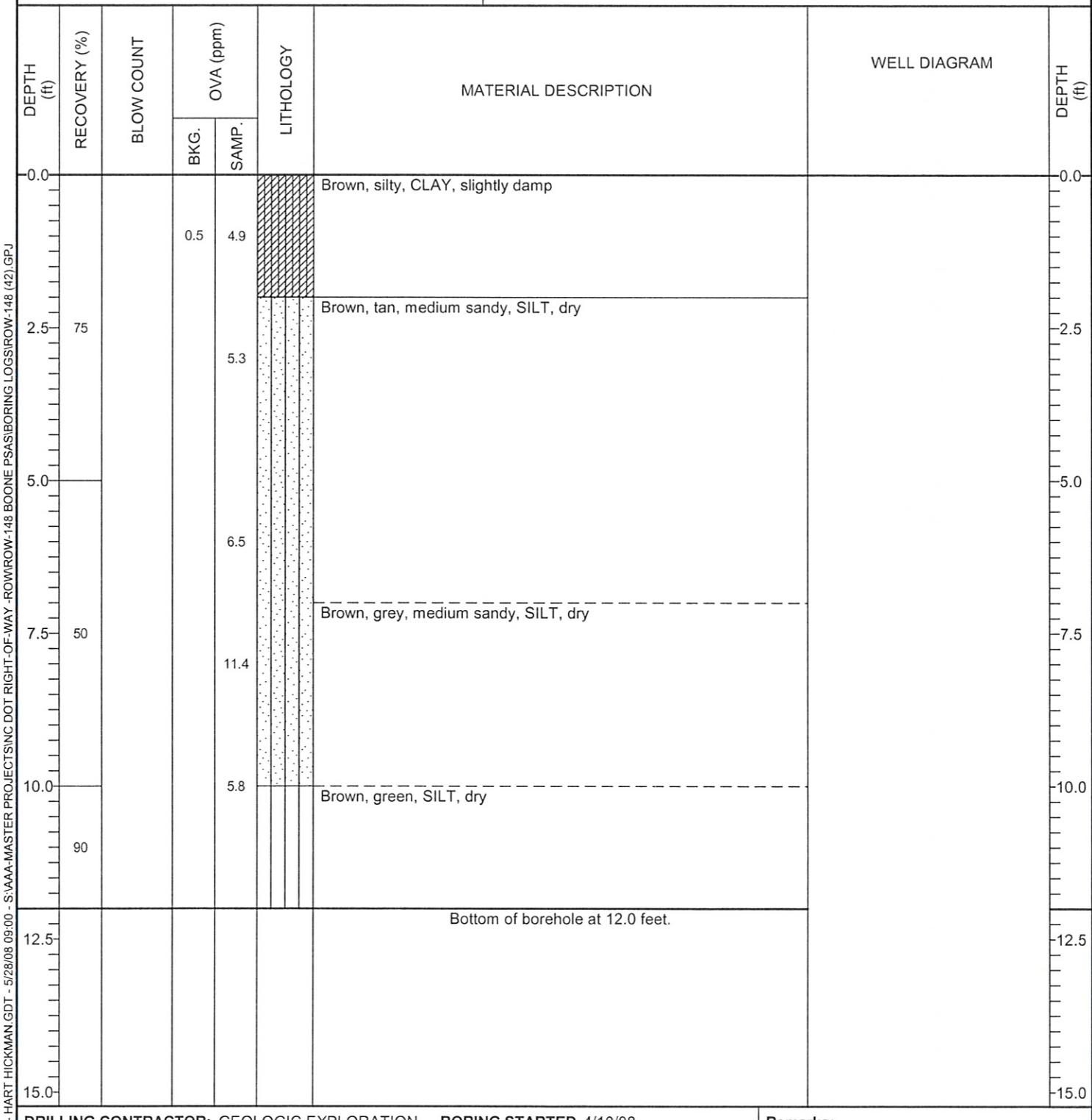


BORING NUMBER 42-30

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

PROJECT: Boone PSAs
JOB NUMBER: ROW-148
LOCATION: Boone, NC



DRILLING CONTRACTOR: GEOLOGIC EXPLORATION	BORING STARTED 4/10/08	Remarks:
DRILL RIG/ METHOD: Geoprobe 6620DT	BORING COMPLETED: 4/10/08	
SAMPLING METHOD: DPT Sleeves	TOTAL DEPTH: 12	
LOGGED BY MHF	SURFACE ELEV:	
DRAWN BY:	DEPTH TO WATER:	



2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)

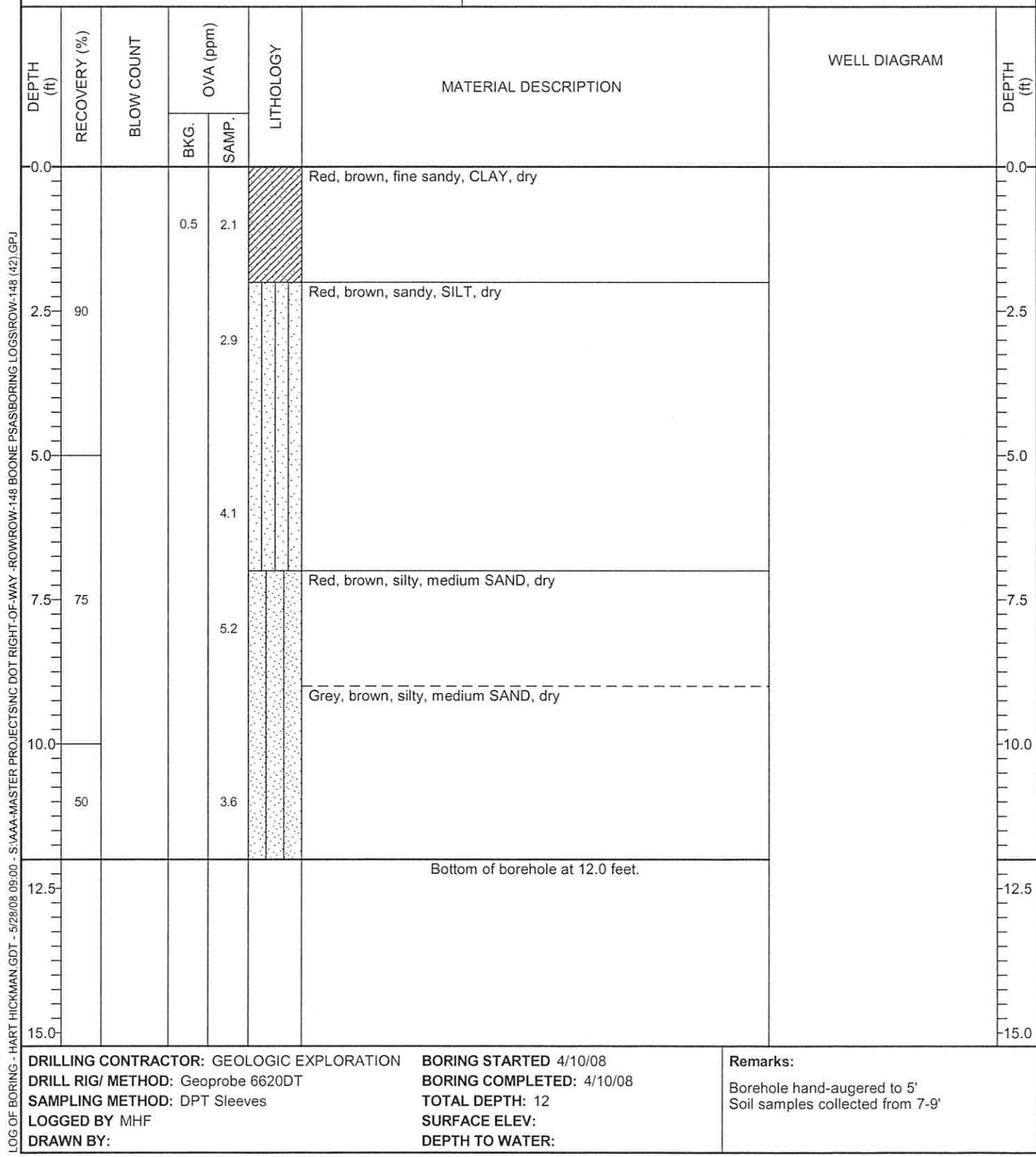
3334 Hillsborough Street
Raleigh, North Carolina 27615
919-847-4241(p) 919-847-4261(f)

BORING NUMBER 42-31

PROJECT: Boone PSAs

JOB NUMBER: ROW-148

LOCATION: Boone, NC



Appendix D
Laboratory Analytical Report



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

Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-1 (10-12')
Prism Sample ID: 210376
COC Group: G0408076
Time Collected: 04/01/08 14:30
Time Submitted: 04/03/08 8:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	74.2	%			1	SM2640 G	04/07/08 13:45	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	2500	mg/kg	9.4	1.5	20	8015B	04/09/08 11:59	jvogel	Q31590
Sample Preparation:			25.48 g	/	1 mL	3545	04/07/08 16:00	Wconder	P21277
Surrogate									
o-Terphenyl									
DO #									
49 - 124									
Sample Weight Determination									
Weight 1	5.13	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	4.74	g			1	GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	41	mg/kg	6.7	4.2	50	8015B	04/09/08 23:09	wbradley	Q31604
Surrogate									
aaa-TFT									
85									
55 - 129									

Sample Comment(s):

BRL = Below Reporting Limit

Values are reported down to the reporting limit only. No J-Flags applied.

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All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

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

Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-2 (8-10')
Prism Sample ID: 210377
COC Group: G0408076
Time Collected: 04/01/08 15:30
Time Submitted: 04/03/08 8:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	49.5	%			1	SM2540 G	04/07/08 13:45	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	53	mg/kg	14	2.2	1	8015B	04/09/08 10:51	jvogel	Q31590
Sample Preparation:			25.54 g	/	1 mL	3545	04/07/08 16:00	Wconder	P21277
Surrogate % Recovery Control Limits									
			c-Terphenyl				49		49 - 124
Sample Weight Determination									
Weight 1	4.44	g			1	GRO	04/08/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	60	mg/kg	10	6.3	50	8015B	04/10/08 10:15	wbradley	Q31604
One surrogate recovery was outside of the control limits. The analysis was repeated, with no improvement in recovery. Matrix interference is suspected.									
Surrogate % Recovery Control Limits									
			aaa-TFT				53 #		55 - 129

Sample Comment(s):

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

Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-3 (2-4')
Prism Sample ID: 210378
COC Group: G0408076
Time Collected: 04/01/08 16:15
Time Submitted: 04/03/08 8:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	80.2	%			1	SM2540 G	04/07/08 13:45	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	23	mg/kg	8.6	1.4	1	8015B	04/09/08 11:23	jvogel	Q31590
Sample Preparation:			25.35 g	/	1 mL	3545	04/07/08 16:00	wconder	P21277
Surrogate % Recovery Control Limits									
o-Terphenyl 96 49 - 124									
Sample Weight Determination									
Weight 1	5.03	g			1	GRO	04/14/08 0:00	tbrown	
Weight 2	5.37	g			1	GRO	04/14/08 0:00	tbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	BRL	mg/kg	6.2	3.9	50	8015B	04/10/08 9:43	wbradley	Q31604
Surrogate % Recovery Control Limits									
aaa-TFT 88 55 - 129									

Sample Comment(s):

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Angela D. Overcash, V.P. Laboratory Services



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

Laboratory Report

04/18/08

North Carolina Department of Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-4 (4-6')
Prism Sample ID: 210591
COC Group: G0408148
Time Collected: 04/02/08 9:30
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	82.8	%			1	SM2540 G	04/08/08 12:35	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	4400	mg/kg	850	140	100	8015B	04/14/08 18:51	jvogel	Q31720
Sample Preparation:			26.15 g	/	1 mL	3545	04/10/08 17:15	wconder	P21301
Surrogate % Recovery Control Limits									
			o-Terphenyl			DO #			49 - 124
Sample Weight Determination									
Weight 1	5.96	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	5.89	g			1	GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	120	mg/kg	60	38	500	8015B	04/10/08 4:25	wbradley	Q31604
						Surrogate	% Recovery		Control Limits
						aaa-TFT	DO #		55 - 129

Sample Comment(s):

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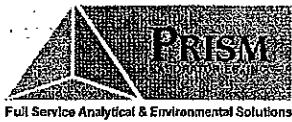
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NC Certification No. 402
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NC Drinking Water Cert. No. 37735

Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-4 (10-12)
Prism Sample ID: 210592
COC Group: G0408148
Time Collected: 04/02/08 9:30
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	80.9	%			1	SM2540 G	04/08/08 12:35	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	13	mg/kg	8.6	1.4	1	8015B	04/14/08 14:40	jvogel	Q31720
Sample Preparation:			26.13 g	/	1 mL	3545	04/10/08 17:15	wconder	P21301
Surrogate % Recovery Control Limits									
o-Terphenyl 68 49 - 124									
Sample Weight Determination									
Weight 1	6.46	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	5.07	g			1	GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	BRL	mg/kg	6.2	3.9	50	8015B	04/10/08 0:44	wbradley	Q31604
Surrogate % Recovery Control Limits									
aaa-TFT 91 55 - 129									

Sample Comment(s):

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

Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-5 (6-8')
Prism Sample ID: 210593
COC Group: G0408148
Time Collected: 04/02/08 9:50
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<u>Percent Solids Determination</u>									
Percent Solids	72.1	%			1	SM2540 G	04/08/08 12:35	mbarber	
<u>Diesel Range Organics (DRO) by GC-FID</u>									
Diesel Range Organics (DRO)	11	mg/kg	9.7	1.6	1	8015B	04/12/08 0:58	jvogel	Q31720
Sample Preparation:			25.13 g	/	1 mL	3545	04/10/08 17:15	wconder	P21301
Surrogate % Recovery Control Limits									
o-Terphenyl 50 49 - 124									
<u>Sample Weight Determination</u>									
Weight 1	4.12	g			1	GRO	04/14/08 0:00	jbrown	
Weight 2	6.25	g			1	GRO	04/14/08 0:00	jbrown	
<u>Gasoline Range Organics (GRO) by GC-FID</u>									
Gasoline Range Organics (GRO)	BRL	mg/kg	6.9	4.3	50	8015B	04/10/08 1:16	wbradley	Q31604
Surrogate % Recovery Control Limits									
aaa-TFT 67 55 - 129									

Sample Comment(s):

BRL = Below Reporting Limit

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

Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-6 (2-4')
Prism Sample ID: 210594
COC Group: G0408148
Time Collected: 04/02/08 10:05
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	75.8	%			1	SM2540 G	04/08/08 12:35	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	1400	mg/kg	92	15	10	8015B	04/14/08 19:26	jvogel	Q31720
Sample Preparation:			25.36 g	/	1 mL	3545	04/10/08 17:15	wconder	P21301
Surrogate % Recovery Control Limits									
o-Terphenyl DO # 49 - 124									
Sample Weight Determination									
Weight 1	5.77	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	6.38	g			1	GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	1400	mg/kg	66	41	500	8015B	04/10/08 5:28	wbradley	Q31604
Surrogate % Recovery Control Limits									
aaa-TFT DO # 55 - 129									

Sample Comment(s):

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

Laboratory Report

04/18/08

North Carolina Department of Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-7 (6-8')
Prism Sample ID: 210595
COC Group: G0408148
Time Collected: 04/02/08 10:40
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	64.3	%			1	SM2540 G	04/08/08 12:35	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	500	mg/kg	54	8.8	5	8015B	04/14/08 20:02	jvogel	Q31720
Sample Preparation:			25.63 g	/	1 mL	3545	04/10/08 17:15	wconder	P21301
Surrogate % Recovery Control Limits									
						o-Terphenyl	M #		49 - 124
Sample Weight Determination									
Weight 1	5.33	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	4.36	g			1	GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	22	mg/kg	7.8	4.9	50	8015B	04/10/08 1:47	wbradley	Q31604
						Surrogate	% Recovery		Control Limits
						aaa-TFT	80		55 - 129

Sample Comment(s):

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NC Certification No. 402
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Laboratory Report

04/18/08

North Carolina Department of Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-7 (10-12')
Prism Sample ID: 210596
COC Group: G0408148
Time Collected: 04/02/08 10:40
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<u>Percent Solids Determination</u>									
Percent Solids	89.6	%			1	SM2540 G	04/08/08 12:35	mbarber	
<u>Diesel Range Organics (DRO) by GC-FID</u>									
Diesel Range Organics (DRO)	BRL	mg/kg	7.7	1.3	1	8015B	04/14/08 14:04	jvogel	Q31720
Sample Preparation:			25.21 g	/	1 mL	3545	04/10/08 17:15	wconder	P21301
<u>Surrogate</u>									
o-Terphenyl									
57									
<u>Control Limits</u>									
49 - 124									
<u>Sample Weight Determination</u>									
Weight 1	5.24	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	4.73	g			1	GRO	04/14/08 0:00	lbrown	
<u>Gasoline Range Organics (GRO) by GC-FID</u>									
Gasoline Range Organics (GRO)	BRL	mg/kg	5.6	3.5	50	8015B	04/10/08 2:19	wbradley	Q31604
<u>Surrogate</u>									
aaa-TFT									
86									
<u>Control Limits</u>									
55 - 129									

Sample Comment(s):

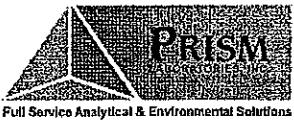
BRL = Below Reporting Limit

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Angela D. Overcash, V.P. Laboratory Services



NC Certification No. 402
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Laboratory Report

04/18/08

North Carolina Department of Transportation
Attn: David Graham
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2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-8 (6-8')
Prism Sample ID: 210597
COC Group: G0408148
Time Collected: 04/02/08 11:15
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	78.2	%			1	SM2540 G	04/08/08 12:35	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	19	mg/kg	8.8	1.4	1	8015B	04/12/08 3:22	jvogel	Q31720
Sample Preparation:			25.3 g	/	1 mL	3545	04/10/08 17:15	wconder	P21301
Surrogate % Recovery Control Limits									
			o-Terphenyl				72		49 - 124
Sample Weight Determination									
Weight 1	2.86	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	7.72	g			1	GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	BRL	mg/kg	6.4	4.0	50	8015B	04/10/08 18:44	wbradley	Q31634
One surrogate recovery was outside the control limits. No target compounds were detected in this sample. No further action was taken.									
Surrogate % Recovery Control Limits									
			aaa-TFT				133 #		55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

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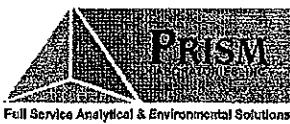
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NC Certification No. 402
SC Certification No. 99012
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Laboratory Report

04/18/08

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2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-9 (8-10')
Prism Sample ID: 210598
COC Group: G0408148
Time Collected: 04/02/08 11:40
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	72.8	%			1	SM2540 G	04/08/08 12:36	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	7400	mg/kg	480	120	50	8015B	04/14/08 23:02	jvogel	Q31718
Sample Preparation:			49.89 g	/	2 mL	3550B	04/11/08 9:30	jvogel	P21328
Surrogate % Recovery Control Limits									
o-Terphenyl DC # 48 - 130									
Sample Weight Determination									
Weight 1	5.79	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	5.55	g			1	GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	88	mg/kg	6.9	4.3	50	8015B	04/10/08 19:16	wbradley	Q31634
Surrogate % Recovery Control Limits									
aaa-TFT 79 55 - 129									

Sample Comment(s):

BRL = Below Reporting Limit

Values are reported down to the reporting limit only. No J-Flags applied.

The results in this report relate only to the samples submitted for analysis and meet state certification requirements other than NELAC certification except for those instances indicated in the case narrative and/or test comments.

All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



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

Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-10 (10-12')
Prism Sample ID: 210599
COC Group: G0408148
Time Collected: 04/02/08 13:10
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<u>Percent Solids Determination</u>									
Percent Solids	80.9	%			1	SM2540 G	04/08/08 12:35	mbarber	
<u>Diesel Range Organics (DRO) by GC-FID</u>									
Diesel Range Organics (DRO)	3300	mg/kg	430	110	50	8015B	04/14/08 20:38	jvogel	Q31718
Sample Preparation:			50.35 g	/	2 mL	3550B	04/11/08 9:30	jvogel	P21328
Surrogate % Recovery Control Limits									
o-Terphenyl DO # 48 - 130									
<u>Sample Weight Determination</u>									
Weight 1	5.65	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	6.02	g			1	GRO	04/14/08 0:00	lbrown	
<u>Gasoline Range Organics (GRO) by GC-FID</u>									
Gasoline Range Organics (GRO)	1900	mg/kg	62	39	500	8015B	04/11/08 0:31	wbradley	Q31634
Surrogate % Recovery Control Limits									
aaa-TFT DO # 55 - 129									

Sample Comment(s):

BRL = Below Reporting Limit

Values are reported down to the reporting limit only. No J-Flags applied.

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Angela D. Overcash, V.P. Laboratory Services

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NC Certification No. 402
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Laboratory Report

04/18/08

North Carolina Department of Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WB# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-11 (8-10')
Prism Sample ID: 210600
COC Group: G0408148
Time Collected: 04/02/08 13:25
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	82.8	%			1	SM2540 G	04/08/08 12:35	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	12000	mg/kg	850	210	100	8015B	04/14/08 23:38	jvogel	Q31718
Sample Preparation:			50.55 g	/	2 mL	3550B	04/11/08 9:30	jvogel	P21328
Surrogate									
o-Terphenyl									
DO #									
48 - 130									
Sample Weight Determination									
Weight 1	5.39	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	4.97	g			1	GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	2200	mg/kg	60	38	500	8015B	04/11/08 1:34	wbradley	Q31634
Surrogate									
aaa-TFT									
DO #									
55 - 129									

Sample Comment(s):

BRL = Below Reporting Limit

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

Laboratory Report

04/18/08

North Carolina Department of Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-12 (10-12')
Prism Sample ID: 210601
COC Group: G0408148
Time Collected: 04/02/08 13:50
Time Submitted: 04/03/08 16:10

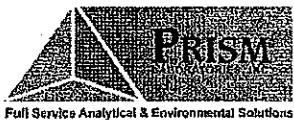
Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<u>Percent Solids Determination</u>									
Percent Solids	83.5	%			1	SM2540 G	04/08/08 12:35	mbarber	
<u>Sample Weight Determination</u>									
Weight Bisulfate 1	4.89	g			1	5035	04/07/08 0:00	Ibrown	
Weight Bisulfate 2	6.04	g			1	5035	04/07/08 0:00	Ibrown	
Weight Methanol	4.76	g			1	5035	04/07/08 0:00	Ibrown	
<u>Volatile Organic Compounds by GC/MS</u>									
1,1,1-Trichloroethane	BRL	mg/kg	0.0061	0.00072	1	8260B	04/08/08 17:07	Iwity	Q31548
1,1,2,2-Tetrachloroethane	BRL	mg/kg	0.0061	0.00044	1	8260B	04/08/08 17:07	Iwity	Q31548
1,1,2-Trichloroethane	BRL	mg/kg	0.0061	0.00065	1	8260B	04/08/08 17:07	Iwity	Q31548
1,1-Dichloroethane	BRL	mg/kg	0.0061	0.0007	1	8260B	04/08/08 17:07	Iwity	Q31548
1,1-Dichloroethene	BRL	mg/kg	0.0061	0.0011	1	8260B	04/08/08 17:07	Iwity	Q31548
1,1-Dichloropropene	BRL	mg/kg	0.0061	0.00072	1	8260B	04/08/08 17:07	Iwity	Q31548
1,2,3-Trichlorobenzene	BRL	mg/kg	0.0061	0.0007	1	8260B	04/08/08 17:07	Iwity	Q31548
1,2,3-Trichloropropane	BRL	mg/kg	0.0061	0.00082	1	8260B	04/08/08 17:07	Iwity	Q31548
1,2,4-Trichlorobenzene	BRL	mg/kg	0.0061	0.0008	1	8260B	04/08/08 17:07	Iwity	Q31548
1,2,4-Trimethylbenzene	0.15	mg/kg	0.0061	0.00031	1	8260B	04/08/08 17:07	Iwity	Q31548
1,2-Dibromoethane (EDB)	BRL	mg/kg	0.0061	0.00076	1	8260B	04/08/08 17:07	Iwity	Q31548
1,2-Dichlorobenzene	BRL	mg/kg	0.0061	0.00039	1	8260B	04/08/08 17:07	Iwity	Q31548
1,2-Dichloroethane	BRL	mg/kg	0.0061	0.00069	1	8260B	04/08/08 17:07	Iwity	Q31548
1,2-Dichloropropane	BRL	mg/kg	0.0061	0.0015	1	8260B	04/08/08 17:07	Iwity	Q31548
1,3,5-Trimethylbenzene	0.073	mg/kg	0.0061	0.00051	1	8260B	04/08/08 17:07	Iwity	Q31548
1,3-Dichlorobenzene	BRL	mg/kg	0.0061	0.0004	1	8260B	04/08/08 17:07	Iwity	Q31548
1,3-Dichloropropane	BRL	mg/kg	0.0061	0.00026	1	8260B	04/08/08 17:07	Iwity	Q31548
1,4-Dichlorobenzene	BRL	mg/kg	0.0061	0.00078	1	8260B	04/08/08 17:07	Iwity	Q31548
2,2-Dichloropropane	BRL	mg/kg	0.0061	0.00088	1	8260B	04/08/08 17:07	Iwity	Q31548
2-Chlorotoluene	BRL	mg/kg	0.0061	0.00034	1	8260B	04/08/08 17:07	Iwity	Q31548

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NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37736

Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

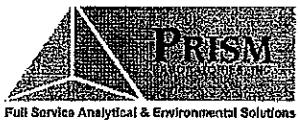
Client Sample ID: 42-12 (10-12')
Prism Sample ID: 210601
COC Group: G0408148
Time Collected: 04/02/08 13:50
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
2-Hexanone	BRL	mg/kg	0.061	0.0053	1	8260B	04/08/08 17:07	Iwiry	Q31548
4-Chlorotoluene	BRL	mg/kg	0.0061	0.00045	1	8260B	04/08/08 17:07	Iwiry	Q31548
4-Methyl-2-pentanone (MIBK)	BRL	mg/kg	0.061	0.0064	1	8260B	04/08/08 17:07	Iwiry	Q31548
Acetone	BRL	mg/kg	0.061	0.018	1	8260B	04/08/08 17:07	Iwiry	Q31548
Benzene	BRL	mg/kg	0.0037	0.00051	1	8260B	04/08/08 17:07	Iwiry	Q31548
Bromobenzene	BRL	mg/kg	0.0061	0.00078	1	8260B	04/08/08 17:07	Iwiry	Q31548
Bromochloromethane	BRL	mg/kg	0.0061	0.0005	1	8260B	04/08/08 17:07	Iwiry	Q31548
Bromodichloromethane	BRL	mg/kg	0.0061	0.00066	1	8260B	04/08/08 17:07	Iwiry	Q31548
Bromoform	BRL	mg/kg	0.0061	0.00055	1	8260B	04/08/08 17:07	Iwiry	Q31548
Bromomethane	BRL	mg/kg	0.012	0.0014	1	8260B	04/08/08 17:07	Iwiry	Q31548
Carbon tetrachloride	BRL	mg/kg	0.0061	0.0004	1	8260B	04/08/08 17:07	Iwiry	Q31548
Chlorobenzene	BRL	mg/kg	0.0061	0.00062	1	8260B	04/08/08 17:07	Iwiry	Q31548
Chlorodibromomethane	BRL	mg/kg	0.0061	0.00056	1	8260B	04/08/08 17:07	Iwiry	Q31548
Chloroethane	BRL	mg/kg	0.012	0.0021	1	8260B	04/08/08 17:07	Iwiry	Q31548
Chloroform	BRL	mg/kg	0.0061	0.0010	1	8260B	04/08/08 17:07	Iwiry	Q31548
Chloromethane	BRL	mg/kg	0.0061	0.0015	1	8260B	04/08/08 17:07	Iwiry	Q31548
cis-1,2-Dichloroethene	BRL	mg/kg	0.0061	0.00098	1	8260B	04/08/08 17:07	Iwiry	Q31548
cis-1,3-Dichloropropene	BRL	mg/kg	0.0061	0.00081	1	8260B	04/08/08 17:07	Iwiry	Q31548
Dichlorodifluoromethane	BRL	mg/kg	0.0061	0.0017	1	8260B	04/08/08 17:07	Iwiry	Q31548
Ethylbenzene	0.027	mg/kg	0.0061	0.00028	1	8260B	04/08/08 17:07	Iwiry	Q31548
Isopropyl ether (IPE)	BRL	mg/kg	0.0061	0.00056	1	8260B	04/08/08 17:07	Iwiry	Q31548
Isopropylbenzene	0.014	mg/kg	0.0061	0.00036	1	8260B	04/08/08 17:07	Iwiry	Q31548
m,p-Xylenes	0.038	mg/kg	0.012	0.0010	1	8260B	04/08/08 17:07	Iwiry	Q31548
Methyl ethyl ketone (MEK)	BRL	mg/kg	0.12	0.018	1	8260B	04/08/08 17:07	Iwiry	Q31548
Methyl t-butyl ether (MTBE)	BRL	mg/kg	0.012	0.00051	1	8260B	04/08/08 17:07	Iwiry	Q31548
Methylene chloride	BRL	mg/kg	0.0061	0.0010	1	8260B	04/08/08 17:07	Iwiry	Q31548
n-Butylbenzene	0.037	mg/kg	0.0061	0.00044	1	8260B	04/08/08 17:07	Iwiry	Q31548

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

Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-12 (10-12')
Prism Sample ID: 210601
COC Group: G0408148
Time Collected: 04/02/08 13:50
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
n-Propylbenzene	0.031	mg/kg	0.0061	0.0004	1	8260B	04/08/08 17:07	Iwtry	Q31548
Naphthalene	0.060	mg/kg	0.012	0.00073	1	8260B	04/08/08 17:07	Iwtry	Q31548
o-Xylene	BRL	mg/kg	0.0061	0.00026	1	8260B	04/08/08 17:07	Iwtry	Q31548
p-Isopropyltoluene	0.033	mg/kg	0.0061	0.00049	1	8260B	04/08/08 17:07	Iwtry	Q31548
sec-Butylbenzene	0.033	mg/kg	0.0061	0.00042	1	8260B	04/08/08 17:07	Iwtry	Q31548
Styrene	BRL	mg/kg	0.0061	0.00069	1	8260B	04/08/08 17:07	Iwtry	Q31548
tert-Butylbenzene	0.0075	mg/kg	0.0061	0.00051	1	8260B	04/08/08 17:07	Iwtry	Q31548
Tetrachloroethene	BRL	mg/kg	0.0061	0.00055	1	8260B	04/08/08 17:07	Iwtry	Q31548
Toluene	BRL	mg/kg	0.0061	0.00045	1	8260B	04/08/08 17:07	Iwtry	Q31548
trans-1,2-Dichloroethene	BRL	mg/kg	0.0061	0.00078	1	8260B	04/08/08 17:07	Iwtry	Q31548
trans-1,3-Dichloropropene	BRL	mg/kg	0.0061	0.00072	1	8260B	04/08/08 17:07	Iwtry	Q31548
Trichloroethene	BRL	mg/kg	0.0061	0.00089	1	8260B	04/08/08 17:07	Iwtry	Q31548
Trichlorofluoromethane	BRL	mg/kg	0.0061	0.0011	1	8260B	04/08/08 17:07	Iwtry	Q31548
Vinyl acetate	BRL	mg/kg	0.031	0.0017	1	8260B	04/08/08 17:07	Iwtry	Q31548
Vinyl chloride	BRL	mg/kg	0.0061	0.0011	1	8260B	04/08/08 17:07	Iwtry	Q31548

One surrogate recovery was outside of the control limits. Matrix interference is suspected.

Surrogate	% Recovery	Control Limits
Toluene-d8	106	81 - 128
Dibromofluoromethane	92	67 - 143
Bromofluorobenzene	162 #	77 - 128

Oil and Grease by Soxhlet Extraction

Oil and Grease	120	mg/kg	42	42	1	9071A	04/17/08 10:00	smanvanh.	Q31844
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Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	550	mg/kg	84	20	10	8015B	04/14/08 21:14	Jvogel	Q31718
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NC Certification No. 402
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Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-12 (10-12')
Prism Sample ID: 210601
COC Group: G0408148
Time Collected: 04/02/08 13:50
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Sample Preparation:			50 g /	2 mL		3550B	04/11/08 9:30	jvogel	P21328
Surrogate				% Recovery			Control Limits		
o-Terphenyl				DO #			48 - 130		
Sample Weight Determination									
Weight 1	4.85	g		1		GRO	04/14/08 0:00	lbrown	
Weight 2	4.67	g		1		GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	20	mg/kg	6.0	3.7	.50	8015B	04/11/08 10:35	wbradley	Q31634
Surrogate				% Recovery			Control Limits		
aaa-TFT				82			55 - 129		

Sample Comment(s):

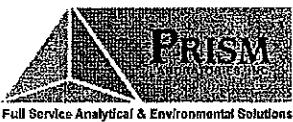
BRL = Below Reporting Limit

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Angela D. Overcash, V.P. Laboratory Services



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

Laboratory Report

04/18/08

North Carolina Department of Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-13 (8-10')
Prism Sample ID: 210602
COC Group: G0408148
Time Collected: 04/02/08 14:10
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	88.4	%			1	SM2540 G	04/08/08 12:35	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	8300	mg/kg	790	190	100	8015B	04/14/08 21:50	jvogel	Q31718
Sample Preparation:			49.9 g	/	2 mL	3550B	04/11/08 9:30	jvogel	P21328
Surrogate % Recovery Control Limits									
					o-Terphenyl	DO #			48 - 130
Sample Weight Determination									
Weight 1	4.67	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	4.53	g			1	GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	350	mg/kg	57	35	500	8015B	04/11/08 2:37	wbradley	Q31634
Surrogate % Recovery Control Limits									
					aaa-TFT	DO #			55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

Values are reported down to the reporting limit only. No J-Flags applied.

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Angela D. Overcash, V.P. Laboratory Services

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NC Drinking Water Cert. No. 37735

Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-14 (2-4)
Prism Sample ID: 210603
COC Group: G0408148
Time Collected: 04/02/08 14:20
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	82.6	%			1	SM2540 G	04/08/08 12:35	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	4700	mg/kg	170	41	20	8015B	04/12/08 18:53	jvogel	Q31718
Sample Preparation:			49.94 g	/	2 mL	3550B	04/11/08 9:30	jvogel	P21328
Surrogate % Recovery Control Limits									
o-Terphenyl DO # 48 - 130									
Sample Weight Determination									
Weight 1	5.61	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	5.46	g			1	GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	1800	mg/kg	61	38	500	8015B	04/11/08 3:40	wbradley	Q31634
Surrogate % Recovery Control Limits									
aaa-TFT DO # 55 - 129									

Sample Comment(s):

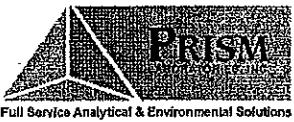
BRL = Below Reporting Limit

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All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services



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

Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-15 (6-8')
Prism Sample ID: 210604
COC Group: G0408148
Time Collected: 04/02/08 14:55
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	82.5	%			1	SM2540 G	04/08/08 12:35	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	62	mg/kg	8.5	2.1	1	8015B	04/12/08 9:19	jvogel	Q31718
Sample Preparation:			49.74 g	/	2 mL	3550B	04/11/08 9:30	jvogel	P21328
Surrogate % Recovery Control Limits									
						o-Terphenyl	84		48 - 130
Sample Weight Determination									
Weight 1	5.61	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	5.77	g			1	GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	41	mg/kg	6.1	3.8	50	8015B	04/11/08 11:41	wbradley	Q31634
						Surrogate	% Recovery		Control Limits
						aaa-TFT	87		55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

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NC Certification No. 402
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Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
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2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-15 (10-12')
Prism Sample ID: 210605
COC Group: G0408148
Time Collected: 04/02/08 14:55
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	89.9	%			1	SM2540 G	04/08/08 12:35	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	BRL	mg/kg	7.8	1.9	1	8015B	04/12/08 9:55	jvogel	Q31718
Sample Preparation:			50.08 g	/	2 mL	3550B	04/11/08 9:30	jvogel	P21328
Surrogate % Recovery Control Limits									
o-Terphenyl 88 48 - 130									
Sample Weight Determination									
Weight 1	5.70	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	5.06	g			1	GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	BRL	mg/kg	5.6	3.5	50	8015B	04/10/08 20:50	wbradley	Q31634
Surrogate % Recovery Control Limits									
aaa-TFT 88 55 - 129									

Sample Comment(s):

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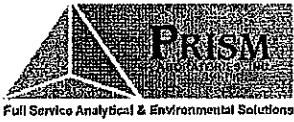
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NC Certification No. 402
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Laboratory Report

04/18/08

North Carolina Department of
Transportation
Attn: David Graham
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2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-16 (2-5')
Prism Sample ID: 210606
COC Group: G0408148
Time Collected: 04/02/08 15:05
Time Submitted: 04/03/08 16:10

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	77.9	%			1	SM2540 G	04/08/08 12:35	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	1300	mg/kg	90	22	10	8015B	04/14/08 22:26	jvogel	Q31718
Sample Preparation:			50.09 g	/	2 mL	3550B	04/11/08 9:30	jvogel	P21328
Surrogate % Recovery Control Limits									
o-Terphenyl DO # 48 - 130									
Sample Weight Determination									
Weight 1	6.24	g			1	GRO	04/14/08 0:00	lbrown	
Weight 2	6.52	g			1	GRO	04/14/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	65	mg/kg	6.4	4.0	50	8015B	04/10/08 21:22	wbradley	Q31634
Surrogate % Recovery Control Limits									
aaa-TFT 80 55 - 129									

Sample Comment(s):

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NC Certification No. 402
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NC Drinking Water Cert. No. 37736

Laboratory Report

04/28/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-17 (2-5)
Prism Sample ID: 211266
COC Group: G0408351
Time Collected: 04/09/08 11:10
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<u>Percent Solids Determination</u>									
Percent Solids	85.3	%			1	SM2540 G	04/15/08 11:15	mbarber	
<u>Diesel Range Organics (DRO) by GC-FID</u>									
Diesel Range Organics (DRO)	11000	mg/kg	820	130	100	8015B	04/23/08 16:33	jvogel	Q31936
Sample Preparation:			25.03 g	/	1 mL	3545	04/21/08 15:15	wconder	P21394
<u>Surrogate</u>									
o-Terphenyl									
DO #									
49 - 124									
<u>Sample Weight Determination</u>									
Weight 1	6.95	g			1	GRO	04/15/08 0:00	lbrown	
Weight 2	6.92	g			1	GRO	04/15/08 0:00.	lbrown	
<u>Gasoline Range Organics (GRO) by GC-FID</u>									
Gasoline Range Organics (GRO)	180	mg/kg	59	37	500	8015B	04/18/08 0:47	wbradley	Q31818
<u>Surrogate</u>									
aaa-TFT									
DO #									
55 - 129									

Sample Comment(s):

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NC Certification No. 402
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Laboratory Report

04/28/08

North Carolina Department of
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Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-18 (7-10)
Prism Sample ID: 211267
COC Group: G0408351
Time Collected: 04/09/08 11:20
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<u>Percent Solids Determination</u>									
Percent Solids	83.1	%			1	SM2540 G	04/15/08 11:15	mbarber	
<u>Diesel Range Organics (DRO) by GC-FID</u>									
Diesel Range Organics (DRO)	16000	mg/kg	1700	270	200	8015B	04/23/08 17:11	jvogel	Q31936
Sample Preparation:			25.27 g	/	1 mL	3545	04/21/08 15:15	wconder	P21394
<u>Surrogate</u>									
<u>o-Terphenyl</u>									
<u>Control Limits</u>									
<u>DO #</u>									
<u>49 - 124</u>									
<u>Sample Weight Determination</u>									
Weight 1	5.91	g			1	GRO	04/15/08 0:00	lbrown	
Weight 2	6.35	g			1	GRO	04/15/08 0:00	lbrown	
<u>Gasoline Range Organics (GRO) by GC-FID</u>									
Gasoline Range Organics (GRO)	940	mg/kg	60	38	500	8015B	04/18/08 4:59	wbradley	Q31818
<u>Surrogate</u>									
<u>aaa-TFT</u>									
<u>Control Limits</u>									
<u>DO #</u>									
<u>55 - 129</u>									

Sample Comment(s):

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NC Certification No. 402
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Laboratory Report

04/28/08

North Carolina Department of
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Attn: David Graham
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2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-19 (0-2)
Prism Sample ID: 211268
COC Group: G0408351
Time Collected: 04/09/08 11:30
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	82.9	%			1	SM2540 G	04/15/08 11:15	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	120	mg/kg	8.4	1.4	1	8015B	04/23/08 15:55	jvogel	Q31936
Sample Preparation:			25.22 g	/	1 mL	3545	04/21/08 15:15	wconder	P21394
Surrogate % Recovery Control Limits									
			o-Terphenyl				120		49 - 124
Sample Weight Determination									
Weight 1	6.47	g			1	GRO	04/17/08 0:00	athao	
Weight 2	6.67	g			1	GRO	04/17/08 0:00	athao	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	10	mg/kg	6.0	3.8	50	8015B	04/18/08 0:16	wbradley	Q31818
Surrogate % Recovery Control Limits									
			aaa-TFT				55		55 - 129

Sample Comment(s):

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NC Certification No. 402
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Laboratory Report

04/28/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-20 (6-7)
Prism Sample ID: 211269
COC Group: G0408351
Time Collected: 04/09/08 11:40
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	69.0	%			1	SM2540 G	04/15/08 11:15	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	5800	mg/kg	510	82	50	8015B	04/22/08 14:31	jvogel	Q31936
Sample Preparation:			25.37 g	/	1 mL	3545	04/21/08 15:15	wconder	P21394
Surrogate % Recovery Control Limits									
						o-Terphenyl	DO #		49 - 124
Sample Weight Determination									
Weight 1	3.34	g			1	GRO	04/17/08 0:00	athao	
Weight 2	2.88	g			1	GRO	04/17/08 0:00	athao	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	1000	mg/kg	72	45	500	8015B	04/18/08 1:18	wbradley	Q31818
						Surrogate	% Recovery		Control Limits
						aaa-TFT	DO #		55 - 129

Sample Comment(s):

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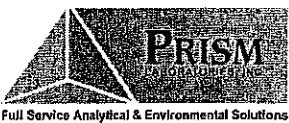
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NC Certification No. 402
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Laboratory Report

04/28/08

North Carolina Department of
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Attn: David Graham
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2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-21 (2-4)
Prism Sample ID: 211272
COC Group: G0408351
Time Collected: 04/09/08 12:00
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<u>Percent Solids Determination</u>									
Percent Solids	79.7	%			1	SM2540 G	04/15/08 11:15	mbarber	
<u>Diesel Range Organics (DRO) by GC-FID</u>									
Diesel Range Organics (DRO)	13000	mg/kg	880	140	100	8015B	04/23/08 15:18	jvogel	Q31936
Sample Preparation:			25.14 g	/	1 mL	3545	04/21/08 15:15	wconder	P21394
Surrogate % Recovery Control Limits									
o-Terphenyl DO # 49 - 124									
<u>Sample Weight Determination</u>									
Weight 1	7.91	g			1	GRO	04/17/08 0:00	athao	
Weight 2	6.57	g			1	GRO	04/17/08 0:00	athao	
<u>Gasoline Range Organics (GRO) by GC-FID</u>									
Gasoline Range Organics (GRO)	810	mg/kg	63	39	500	8015B	04/18/08 2:22	wbradley	Q31818
Surrogate % Recovery Control Limits									
aaa-TFT DO # 55 - 129									

Sample Comment(s):

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Laboratory Report

04/28/08

North Carolina Department of Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-23 (2-5)
Prism Sample ID: 211273
COC Group: G0408351
Time Collected: 04/09/08 12:10
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	78.1	%			1	SM2540 G	04/16/08 11:15	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	BRL	mg/kg	8.9	1.4	1	8015B	04/22/08 17:01	jvogel	Q31936
Sample Preparation:			25.27 g	/	1 mL	3545	04/21/08 15:15	wconder	P21394
Surrogate % Recovery Control Limits									
o-Terphenyl 93 49 - 124									
Sample Weight Determination									
Weight 1	6.52	g			1	GRO	04/17/08 0:00	athao	
Weight 2	6.48	g			1	GRO	04/17/08 0:00	athao	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	BRL	mg/kg	6.4	4.0	50	8015B	04/18/08 14:03	grappaccholi	Q31819
One surrogate recovery was outside the control limits. No target compounds were detected in this sample. No further action was taken.									
Surrogate % Recovery Control Limits									
aaa-TFT 132 # 55 - 129									

Sample Comment(s):

BRL = Below Reporting Limit

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Laboratory Report

04/28/08

North Carolina Department of Transportation
Attn: David Graham
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2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-22 (10-12)
Prism Sample ID: 211270
COC Group: G0408351
Time Collected: 04/09/08 11:50
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<u>Percent Solids Determination</u>									
Percent Solids	82.5	%			1	SM2540 G	04/15/08 11:15	mbarber	
<u>Diesel Range Organics (DRO) by GC-FID</u>									
Diesel Range Organics (DRO)	8200	mg/kg	420	68	50	8015B	04/21/08 10:36	jvogel	Q31936
Sample Preparation:			25.01 g	/	1 mL	3545	04/21/08 15:15	wconder	P21394
Surrogate % Recovery Control Limits									
o-Terphenyl DO # 49 - 124									
<u>Sample Weight Determination</u>									
Weight 1	7.02	g			1	GRO	04/17/08 0:00	athao	
Weight 2	6.02	g			1	GRO	04/17/08 0:00	athao	
<u>Gasoline Range Organics (GRO) by GC-FID</u>									
Gasoline Range Organics (GRO)	1600	mg/kg	61	38	500	8015B	04/18/08 1:49	wbradley	Q31818
Sample Preparation:									
Surrogate % Recovery Control Limits									
aaa-TFT DO # 55 - 129									

Sample Comment(s):

BRL = Below Reporting Limit

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2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-24 (2-5)
Prism Sample ID: 211274
COC Group: G0408351
Time Collected: 04/09/08 12:20
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
-----------	--------	-------	--------------	-----	-----------------	--------	--------------------	---------	----------

Percent Solids Determination

Percent Solids	79.0	%			1	SM2540 G	04/15/08 11:15	mbarber	
----------------	------	---	--	--	---	----------	----------------	---------	--

Diesel Range Organics (DRO) by GC-FID

Diesel Range Organics (DRO)	22	mg/kg	8.8	1.4	1	8015B	04/23/08 12:47	jvogel	Q31936
-----------------------------	----	-------	-----	-----	---	-------	----------------	--------	--------

Sample Preparation:	25.28 g	/	1 mL	3545	04/21/08 15:15	wconder	P21394
---------------------	---------	---	------	------	----------------	---------	--------

Surrogate	% Recovery	Control Limits
o-Terphenyl	123	49 - 124

Sample Weight Determination

Weight 1	5.85	g		1	GRO	04/17/08 0:00	althao	
----------	------	---	--	---	-----	---------------	--------	--

Weight 2	6.02	g		1	GRO	04/17/08 0:00	althao	
----------	------	---	--	---	-----	---------------	--------	--

Gasoline Range Organics (GRO) by GC-FID

Gasoline Range Organics (GRO)	BRL	mg/kg	6.3	4.0	50	8015B	04/18/08 14:35	grappaccio	Q31819
-------------------------------	-----	-------	-----	-----	----	-------	----------------	------------	--------

One surrogate recovery was outside the control limits. No target compounds were detected in this sample. No further action was taken.

Surrogate	% Recovery	Control Limits
aaa-TFT	140 #	55 - 129

Sample Comment(s):

- BRL = Below Reporting Limit

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All results are reported on a dry-weight basis

Angela D. Overcash, V.P. Laboratory Services

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

Laboratory Report

04/28/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-25 (5-7)
Prism Sample ID: 211275
COC Group: G0408351
Time Collected: 04/09/08 12:30
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<u>Percent Solids Determination</u>									
Percent Solids	81.9	%			1	SM2540 G	04/15/08 11:15	mbarber	
<u>Diesel Range Organics (DRO) by GC-FID</u>									
Diesel Range Organics (DRO)	BRL	mg/kg	8.5	1.4	1	8015B	04/22/08 18:54	Jvogel	Q31936
Sample Preparation:			25 g	/	1 mL	3545	04/21/08 15:15	wconder	P21394
<u>Surrogate</u>									
o-Terphenyl									
97									
<u>Control Limits</u>									
49 - 124									
<u>Sample Weight Determination</u>									
Weight 1	6.51	g			1	GRO	04/15/08 0:00	Lbrown	
Weight 2	6.22	g			1	GRO	04/15/08 0:00	Lbrown	
<u>Gasoline Range Organics (GRO) by GC-FID</u>									
Gasoline Range Organics (GRO)	BRL	mg/kg	6.1	3.8	50	8015B	04/18/08 15:06	grappaccioi	Q31819
One surrogate recovery was outside the control limits. No target compounds were detected in this sample. No further action was taken.									
<u>Surrogate</u>									
aaa-TFT									
131 #									
<u>Control Limits</u>									
55 - 129									

Sample Comment(s):

BRL = Below Reporting Limit

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Angela D. Overcash, V.P. Laboratory Services

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

Laboratory Report

04/28/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-26 (5-7)
Prism Sample ID: 211276
COC Group: G0408351
Time Collected: 04/09/08 12:40
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID						
<u>Percent Solids Determination</u>															
Percent Solids	76.7	%			1	SM2540 G	04/15/08 11:15	mbarber							
<u>Diesel Range Organics (DRO) by GC-FID</u>															
Diesel Range Organics (DRO)	BRL	mg/kg	9.1	1.5	1	8015B	04/23/08 17:48	jvogel	Q31936						
Sample Preparation:			25.27 g	/	1 mL	3545	04/21/08 15:15	wconder	P21394						
<table border="1"><thead><tr><th>Surrogate</th><th>% Recovery</th><th>Control Limits</th></tr></thead><tbody><tr><td>o-Terphenyl</td><td>122</td><td>49 - 124</td></tr></tbody></table>										Surrogate	% Recovery	Control Limits	o-Terphenyl	122	49 - 124
Surrogate	% Recovery	Control Limits													
o-Terphenyl	122	49 - 124													
<u>Sample Weight Determination</u>															
Weight 1	6.47	g			1	GRO	04/17/08 0:00	athao							
Weight 2	5.91	g			1	GRO	04/17/08 0:00	athao							
<u>Gasoline Range Organics (GRO) by GC-FID</u>															
Gasoline Range Organics (GRO)	BRL	mg/kg	6.5	4.1	50	8015B	04/18/08 15:37	grappaccholi	Q31819						
One surrogate recovery was outside the control limits. No target compounds were detected in this sample. No further action was taken.															
<table border="1"><thead><tr><th>Surrogate</th><th>% Recovery</th><th>Control Limits</th></tr></thead><tbody><tr><td>aaa-TFT</td><td>135 #</td><td>55 - 129</td></tr></tbody></table>										Surrogate	% Recovery	Control Limits	aaa-TFT	135 #	55 - 129
Surrogate	% Recovery	Control Limits													
aaa-TFT	135 #	55 - 129													

Sample Comment(s):

BRL = Below Reporting Limit

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Angela D. Overcash, V.P. Laboratory Services

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

Laboratory Report

04/28/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-27 (5-7)
Prism Sample ID: 211277
COC Group: G0408351
Time Collected: 04/09/08 13:00
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID						
<u>Percent Solids Determination</u>															
Percent Solids	79.5	%			1	SM2540 G	04/15/08 11:15	mbarber							
<u>Diesel Range Organics (DRO) by GC-FID</u>															
Diesel Range Organics (DRO)	180	mg/kg	8.7	1.4	1	8015B	04/23/08 9:40	jvogel	Q31936						
Sample Preparation:			25.33 g	/	1 mL	3545	04/21/08 15:15	wconder	P21394						
<table border="1"><thead><tr><th>Surrogate</th><th>% Recovery</th><th>Control Limits</th></tr></thead><tbody><tr><td>o-Terphenyl</td><td>114</td><td>49 - 124</td></tr></tbody></table>										Surrogate	% Recovery	Control Limits	o-Terphenyl	114	49 - 124
Surrogate	% Recovery	Control Limits													
o-Terphenyl	114	49 - 124													
<u>Sample Weight Determination</u>															
Weight 1	6.26	g			1	GRO	04/17/08 0:00	athao							
Weight 2	6.40	g			1	GRO	04/17/08 0:00	athao							
<u>Gasoline Range Organics (GRO) by GC-FID</u>															
Gasoline Range Organics (GRO)	BRL	mg/kg	6.3	3.9	50	8015B	04/18/08 16:10	grappacioli	Q31819						
One surrogate recovery was outside the control limits. No target compounds were detected in this sample. No further action was taken.															
<table border="1"><thead><tr><th>Surrogate</th><th>% Recovery</th><th>Control Limits</th></tr></thead><tbody><tr><td>aaa-TFT</td><td>171 #</td><td>55 - 129</td></tr></tbody></table>										Surrogate	% Recovery	Control Limits	aaa-TFT	171 #	55 - 129
Surrogate	% Recovery	Control Limits													
aaa-TFT	171 #	55 - 129													

Sample Comment(s):

BRL = Below Reporting Limit

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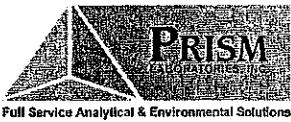
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NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert. No. 37735

Laboratory Report

04/28/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-28 (2-5)
Prism Sample ID: 211300
COC Group: G0408351
Time Collected: 04/10/08 10:00
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	80.1	%			1	SM2640 G	04/16/08 15:15	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	BRL	mg/kg	8.7	1.4	1	8015B	04/24/08 10:25	jvogel	Q31961
Sample Preparation:			25.16 g	/	1 mL	3545	04/22/08 16:30	wconder	P21413
Surrogate % Recovery Control Limits									
						o-Terphenyl	59		49 - 124
Sample Weight Determination									
Weight 1	6.18	g			1	GRO	04/15/08 0:00	lbrown	
Weight 2	6.30	g			1	GRO	04/15/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	BRL	mg/kg	6.2	3.9	50	8015B	04/19/08 18:10	grappacciol	Q31853
						Surrogate	% Recovery		Control Limits
						aaa-TFT	109		55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

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Angela D. Overcash, V.P. Laboratory Services

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

Laboratory Report

04/28/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-29 (7-9)
Prism Sample ID: 211301
COC Group: G0408351
Time Collected: 04/10/08 10:10
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	72.6	%			1	SM2540 G	04/16/08 15:15	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	220	mg/kg	48	7.8	5	8015B	04/25/08 13:35	jvogel	Q31993
Sample Preparation:			25.4 g	/	1 mL	3545	04/23/08 17:10	wconder	P21424
Surrogate % Recovery Control Limits									
o-Terphenyl DO # 49 - 124									
Sample Weight Determination									
Weight 1	6.57	g			1	GRO	04/15/08 0:00	lbrown	
Weight 2	6.27	g			1	GRO	04/15/08 0:00	lbrown	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	15	mg/kg	6.9	4.3	50	8015B	04/19/08 18:42	grappaccolli	Q31853
Surrogate % Recovery Control Limits									
aaa-TFT 102 55 - 129									

Sample Comment(s):

BRL = Below Reporting Limit

Values are reported down to the reporting limit only. No J-Flags applied.

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

Laboratory Report

04/28/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-30 (7-9)
Prism Sample ID: 211302
COC Group: G0408351
Time Collected: 04/10/08 10:20
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	74.5	%			1	SM2540 G	04/16/08 15:15	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	28	mg/kg	9.3	1.5	1	8015B	04/25/08 2:49	jvogel	Q31993
Sample Preparation:			25.29 g	/	1 mL	3545	04/23/08 17:10	wconder	P21424
Surrogate % Recovery Control Limits									
						o-Terphenyl	58		49 - 124
Sample Weight Determination									
Weight 1	5.93	g			1	GRO	04/17/08 0:00	athao	
Weight 2	6.44	g			1	GRO	04/17/08 0:00	athao	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	BRL	mg/kg	6.7	4.2	50	8015B	04/19/08 19:13	grappacciol	Q31853
						Surrogate	% Recovery		Control Limits
						aaa-TFT	91		55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

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

Laboratory Report

04/28/08

North Carolina Department of
Transportation
Attn: David Graham
c/o Hart and Hickman
2923 South Tryon St. Ste 100
Charlotte, NC 28203

Project Name: Boone PSAs
Project ID: ROW-148
Project No.: WBS# 35015.1.1
Sample Matrix: Soil

Client Sample ID: 42-31 (7-9)
Prism Sample ID: 211303
COC Group: G0408351
Time Collected: 04/10/08 10:30
Time Submitted: 04/11/08 9:20

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Percent Solids Determination									
Percent Solids	88.1	%			1	SM2540 G	04/16/08 15:15	mbarber	
Diesel Range Organics (DRO) by GC-FID									
Diesel Range Organics (DRO)	23	mg/kg	7.9	1.3	1	8015B	04/25/08 3:25	jvogel	Q31993
Sample Preparation:			25.18 g	/	1 mL	3545	04/23/08 17:10	wconder	P21424
Surrogate % Recovery Control Limits									
						o-Terphenyl	63		49 - 124
Sample Weight Determination									
Weight 1	5.14	g			1	GRO	04/17/08 0:00	athao	
Weight 2	4.32	g			1	GRO	04/17/08 0:00	athao	
Gasoline Range Organics (GRO) by GC-FID									
Gasoline Range Organics (GRO)	BRL	mg/kg	5.7	3.6	50	8015B	04/19/08 19:45	grappaccioli	Q31853
						Surrogate	% Recovery		Control Limits
						aaa-TFT	91		55 - 129

Sample Comment(s):

BRL = Below Reporting Limit

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CHAIN OF CUSTODY RECORD

PAGE 9 OF 10 QUOTE # TO ENSURE PROPER BILLING:

Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543

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

Client Company Name: HillmanReport To/Contact Name: D. GrahamReporting Address: 2517 3rd Street St.

Address:

Phone: 704-536-0101 Fax (Yes) (No): YesEmail (Yes) (No) Email Address doan@prism-lab.comEDD Type: PDF Excel Other OtherSite Location Name: Banc - DOTSite Location Physical Address: People, Inc.

Reporting Address:

Project Name: Row - 145Short Hold Analysis: (Yes) (No): Yes

*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements

Invoice To: None

Address:

Samples IN TACT upon arrival? Yes NO N/A XReceived ON WET ICE? Temp 1:3 C

PROPER PRESERVATIVES indicated?

Received WITHIN HOLDING TIMES?

CUSTODY SEALS INTACT?

VOLATILES recd/W/O HEADSPACE?

PROPER CONTAINERS used?

Purchase Order No./Billing Reference:

Requested Due Date 1 Day 2 Days 3 Days 4 Days 5 Days"Working Days" 6-9 Days Standard 10 days Rush Work Must Be Pre-Approved

Samples received after 15:00 will be processed next business day.

Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC USACE FL NC

SC OTHER N/A

Water Chlorinated: YES NO

Sample Iced Upon Collection: YES NO

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER		PRESER- VATIVES	ANALYSES REQUESTED	REMARKS	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.				
38-15(10-12)	4/10/08	0845	Soil	Vial	3	Wool Soil	X		211293
38-16(5-7)	4/10/08	0855	Soil	Vial			X		211294
38-17(2-5)		0915	Soil				X		211295
38-18(10-12)		0920	Soil				X		211296
38-19(1-4)		0930	Soil				X		211297
38-20(7-9)		0940	Soil				X		211298
38-19(7-9)		0945	Soil				X		211299
42-28(2-5)		1000	Soil				X		211300
42-29(7-9)		1010	Soil				X		211301
42-30(7-9)		1020	Soil				X		211302

PRESS DOWN FIRMLY - 3 COPIES

Sampler's Signature B. Dunn Sampled By (Print Name) M. Falkos Affiliation 1114

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Received By: (Signature) J. Doan Received By: (Signature) J. DoanReceived For Prism Laboratories By: J. DoanRelinquished By: (Signature) J. Doan

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPE SHUT WITH CUSTODY SEALS PERMANENTLY TRANSPORTATION TO THE LABORATORY. COOLERS ARE NOT ACCEPTED AND VERIFIED AGAINST COOLERS UNTIL RECEIVED AT THE LABORATORY.

❑ Fed Ex	❑ UPS	❑ Hand-delivered	❑ Prism Field Service	❑ Other	❑ GROUNDWATER:	❑ DRINKING WATER:	❑ SOLID WASTE:	❑ RCRA:	❑ CERCLA	❑ LANDFILL	❑ OTHER:
❑ NC	❑ SC	❑ NC	❑ SC	❑ NC	❑ SC	❑ NC	❑ SC	❑ NC	❑ SC	❑ NC	❑ SC

❑ NPDES:	❑ US:	❑ NC	❑ SC								
----------	-------	------	------	------	------	------	------	------	------	------	------

SEE REVERSE FOR TERMS & CONDITIONS
*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic: TI = Taffon-Lined Can VOA = Volatile Organics Analysis (7am Head Space)

ORIGINAL



CHAIN OF CUSTODY RECORD

PAGE 2 OF 2 QUOTE # TO ENSURE PROPER BILLING:

Full Service Analytical & Environmental Solutions	Project Name: <u>Bon 148 - Book PSAs</u>
449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543	Short Hold Analysis: (Yes) (No)
Phone: 704/529-6384 • Fax: 704/525-0409	UST Project: (Yes) (No)
Client Company Name: <u>West Hickman</u>	*Please ATTACH any project specific reporting (QC LEVEL I II III IV provisions and/or QC Requirements
Report To/Contact Name: <u>David Gration</u>	Invoice To: <u>West Hickman Project U-4020</u>
Reporting Address: _____	Address: _____

Phone: 882 4630 Fax (Yes) (No): _____
 Email (Yes) (No) Email Address: _____
 EDD Type: PDF _____ Excel _____ Other _____
 Site Location Name: 2204 E 75th
 Site Location Physical Address: _____
 Reporting Address: _____

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA- TIVES	ANALYSES REQUESTED	DRY WT BASIS REMARKS	PRISM LAB ID NO.
				"TYPE" SEE BELOW	NO.	SIZE				
42-12(10-12')	04/20/08	1350	SOIL	C.G.	8			✓	✓	210601
42-13(8-10')	1410		C.G., VAC	2	1	40ml				210602
42-14(2-4')	1420		C.G.	2	1					210603
42-15(6-8')	1455			2	1					210604
42-15(10-12')	1505			2	1					210605
42-16(2-5')	1525			2	1					210606
43-1(4-6')	1540			2	1					210607
43-2(3-10')	1550			2	1					210608
43-3(5-7')	1605			2	1					210609
43-4(5-7')	1605			2	1					210610

PRESS DOWN FIRMLY - 3 COPIES

PRISM USE ONLY

Site/Location: _____
 Site/Address: _____
 Site/Building: _____
 Field/Technique: _____
 Wires: _____
 Wires: _____

Additional Comments:

Date: 4/20/08 Military/Hours: 16/0

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPE SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COD UNTIL RECEIVED AT THE LABORATORY.

□ Fed Ex □ UPS □ Hand-delivered □ Prism Field Services □ Other

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

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

G-04-08143

Sampled By (Print Name): Mike Tracy/Cool Brothers Affiliation: H&H

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature): M. Tracy

Received By: (Signature)

Received For Prism Laboratories By: C. Johnson

Date: 4/3/08

COG Group No.: 1610

Method of Shipment: Hand-delivered

Other: _____

Landfill: _____

Other: _____