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October 8, 2012

Mr. Thomas C. Niver, P.G.  
Roadside Environmental Unit  
North Carolina Department of Transportation  
4809 Beryl Road  
Raleigh, North Carolina 27606

**Subject: Soil Investigation Summary Report  
Former North Carolina Department of Transportation  
Asphalt Site No. 6-48 (34613.3.13)  
Pittsboro, Chatham County, North Carolina**

Dear Mr. Niver:

AECOM North Carolina, Inc. (AECOM) is pleased to submit to the North Carolina Department of Transportation (NCDOT) a summary of results from the soil investigations conducted by AECOM at the former NCDOT Asphalt Site in Pittsboro, Chatham County, North Carolina (Figure 1) in April and November 2010. The Site is currently owned by S.T. Wooten Company and is used as an asphalt production facility and an active asphalt testing laboratory. The NCDOT has never owned or controlled the Site.

## Background

AECOM conducted an initial soil investigation at the Site in April 2010. This investigation was intended to evaluate potential volatile organic carbon (VOC) source areas including:

- Former Asphalt Testing Laboratory and Septic Tank Area
- Current Asphalt Testing Laboratory Area
- Former Potable Water Well Area
- Septic Tank Percolation Area

The April 2010 investigation indicated the presence of NCDOT Target Compounds at concentrations exceeding their respective Inactive Hazardous Sites Branch (IHSB) Protection of Groundwater Soil Remediation Goals (PGSRGs) and Health Based Soil Remediation Goals (HBSRG). NCDOT Target Compounds include carbon tetrachloride; 1,1,1-trichloroethane; trichloroethene (TCE); 1,1-dichloroethene; 1,1-dichloroethane; trans-1,2-dichloroethene; cis-1,2-dichloroethene; vinyl chloride; chloroethane; chloroform; methylene chloride; and methyl chloride. Non-target compounds are other VOCs on the United States Environmental Protection Agency (EPA) Method 8260 target compound list that, if present, may be associated with non-NCDOT related releases.

Based on the results of the April investigation, the primary source area was determined to be in the vicinity of the former asphalt testing laboratory and septic tanks area. Since the objective of the investigation was to confirm the presence of potential source areas rather than source area delineation, the April investigation did not achieve complete horizontal or vertical source area delineation.

Following the initial investigation, additional sampling was completed in November 2010 to delineate surface soil impacts (0 to 8-feet below land surface [bls]) in the area of the former asphalt testing laboratory. A secondary objective was to characterize the soil pending potential excavation and disposal. To accomplish these goals, AECOM mobilized to the Site on November 10 and 11, 2010. Twenty soil borings were advanced using a direct push technology at locations indicated on Figure 2. The target depth for each boring was 8 feet bls. Soil cores were field screened at approximate 2-foot intervals using a photoionization detector and transferred to laboratory supplied containers. The samples were then submitted under chain of custody documentation to SGS Laboratories, a certified laboratory, for analysis of VOCs via EPA Method 8260B.

Results of the April 2010 site investigation are summarized in the *2010 Site Assessment Report*<sup>1</sup>. The November 2010 soil investigation is summarized below.

### November 2010 Results

A total of 81 samples were collected from 20 borings during the November 2010 soil investigation. Table 1 provides a summary of the November 2010 soil results compared to the Residential HBSRG, PGSRG and the IHSB 20 times rule (20x Rule)<sup>2</sup>. The *Inactive Hazardous Site Branch Guidelines for Assessment and Cleanup*<sup>3</sup> states at sites where residual soil contaminant concentrations (total concentrations in milligrams per kilograms [mg/kg]) do not exceed values of twenty times the corresponding groundwater remediation goals (in milligrams per liter) the PGSRGs do not apply.


 The NCDOT Target Compounds 1,1,1-TCA and TCE were detected at concentrations exceeding their respective 20x Rule values. 1,1,1-TCA exceeded the 20x Rule (4 mg/kg) in 3 samples and TCE exceeded the 20x Rule (0.06 mg/kg) in 41 samples. Tetrachloroethene, a non-NCDOT target compound, was detected in excess of its 20X Rule value in 3 samples collected from boring B-13 (0-2 feet bls, 2-4 feet bls and 4-6 feet bls).

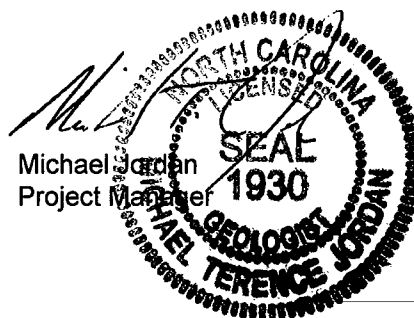
Figure 3 provides a TCE isoconcentration map based on the April 2010 data only. TCE isoconcentration maps (Figures 4 through 7) for analytical data collected in November 2010 were constructed for each 2-foot interval between 0 and 8 ft bls (i.e., 0-2 foot interval, 2-4 foot interval, etc.). TCE concentrations generally increase with depth, and B-13 contained the highest TCE concentration at each depth interval.

AECOM appreciates the opportunity to continue working with NCDOT. If you have any questions regarding these results, please contact the undersigned at (919) 872-6600.

Yours sincerely,



Matthew Brennan  
Project Geologist



<sup>1</sup> AECOM, 2010, 2010 Site Assessment Report, November 2010.

<sup>2</sup> North Carolina Department of Environment and Natural Resources (NCDENR), 2012, Inactive Hazardous Sites Branch Soil Remediation Goals. July 2012

<sup>3</sup> NCDENR, 2011 Guidelines for Assessment and Cleanup, August 2011.

Attachments:

Figure 1. Site Location Map

Figure 2. Soil Sample Location Map

Figure 3. Soil TCE Isoconcentration Map – April 2010

Figure 4. Soil TCE Isoconcentration Map (0-2 feet) – November 2010

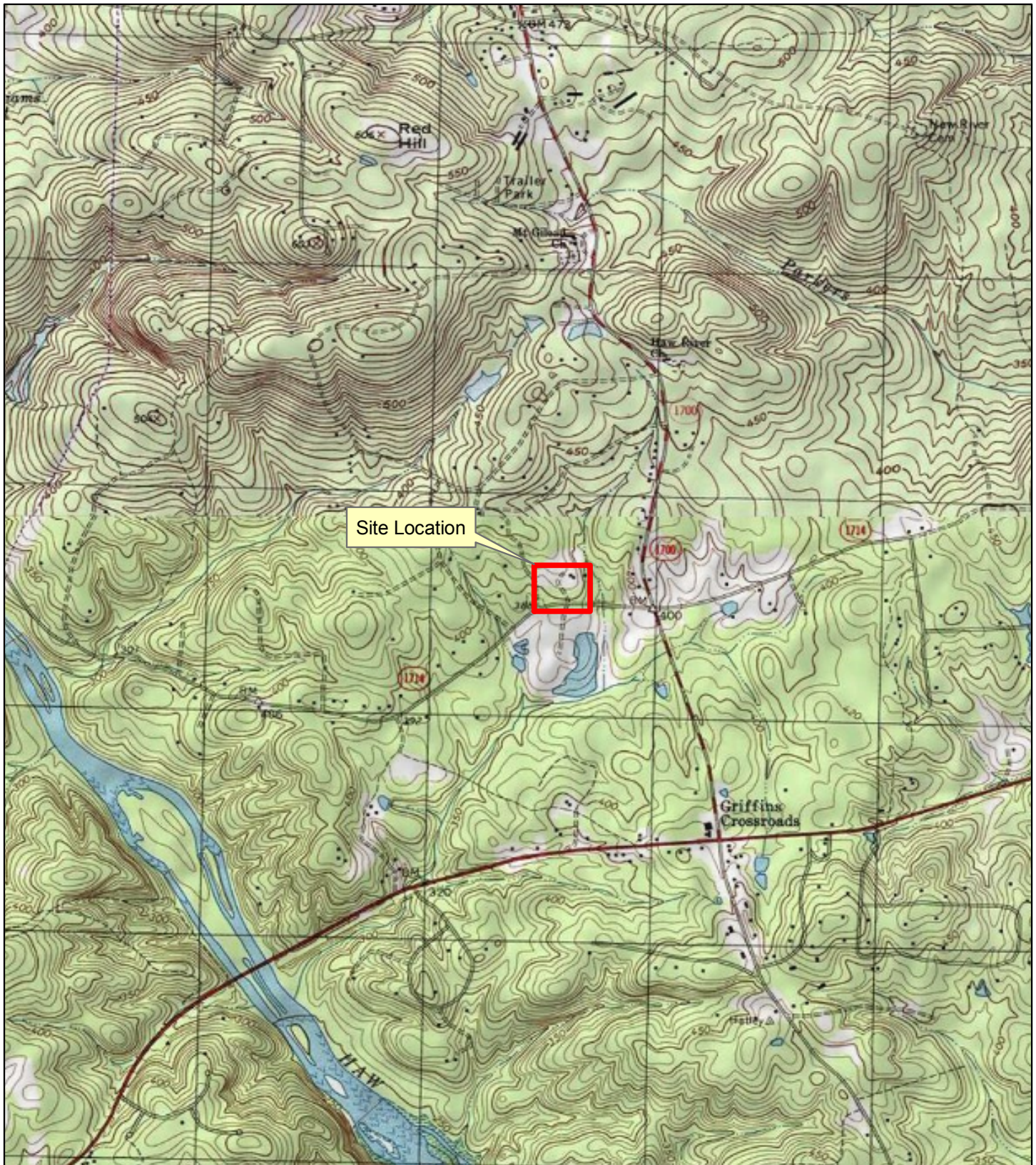
Figure 5. Soil TCE Isoconcentration Map (2-4 feet) – November 2010

Figure 6. Soil TCE Isoconcentration Map (4-6 feet) – November 2010

Figure 7. Soil TCE Isoconcentration Map (6-8 feet) – November 2010

Table 1. Soil Boring Laboratory Analytical Results





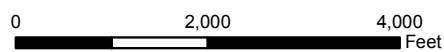
Map Location



### Site Location Map

Former NCDOT Asphalt Testing Site No. 6-48  
 240 Sugar Lake Road  
 Pittsboro, North Carolina

Merry Oaks, NC USGS Topographic Quadrangle (1983)



March 17, 2010



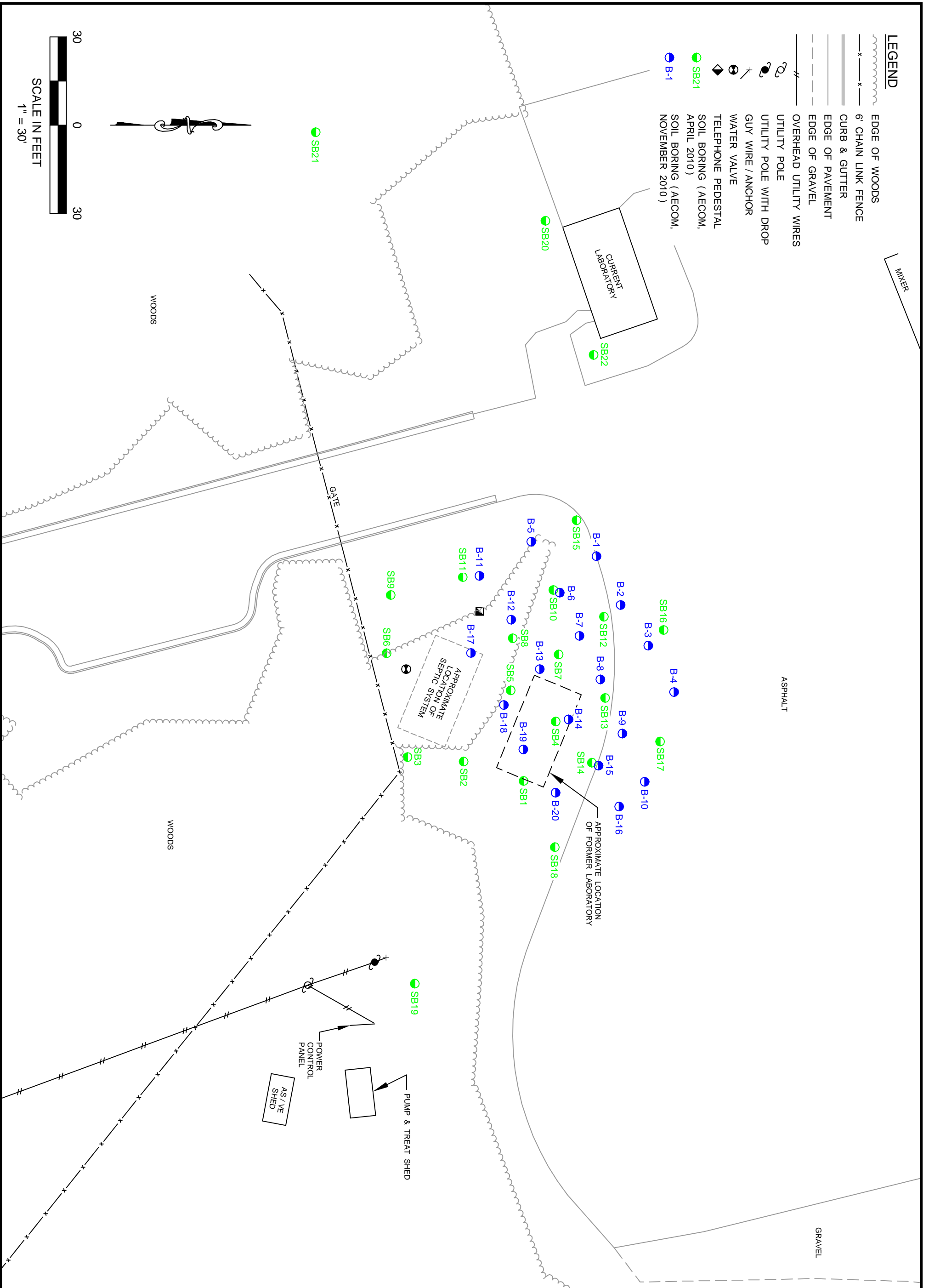
60154105.4

Figure 1

**AECOM**

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**LEGEND**

- EDGE OF WOODS
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL
- SOIL BORING (AECOM, APRIL 2010)
- SOIL BORING (AECOM, NOVEMBER 2010)

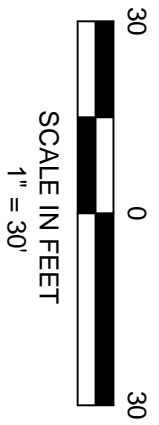


FIGURE NUMBER:	<b>2</b>
SHEET NUMBER:	<b>B110022B</b>

SOIL SAMPLE LOCATION MAP		
Former NCDOT Asphalt Testing Site No. 6-48 Sugar Lake Road, Pittsboro, North Carolina		
SCALE: 1"=30'	DATE: 03/17/11	PROJECT NUMBER: 60154105.4

AECOM North Carolina, Inc.  
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DESIGNED BY:	REVISIONS			
	NO.:	DESCRIPTION:	DATE:	BY:
DRAWN BY: <b>KLR</b>				
CHECKED BY:				
APPROVED BY:				

**LEGEND**

- EDGE OF WOODS
- CREEK WITH FLOW DIRECTION
- 6" CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL

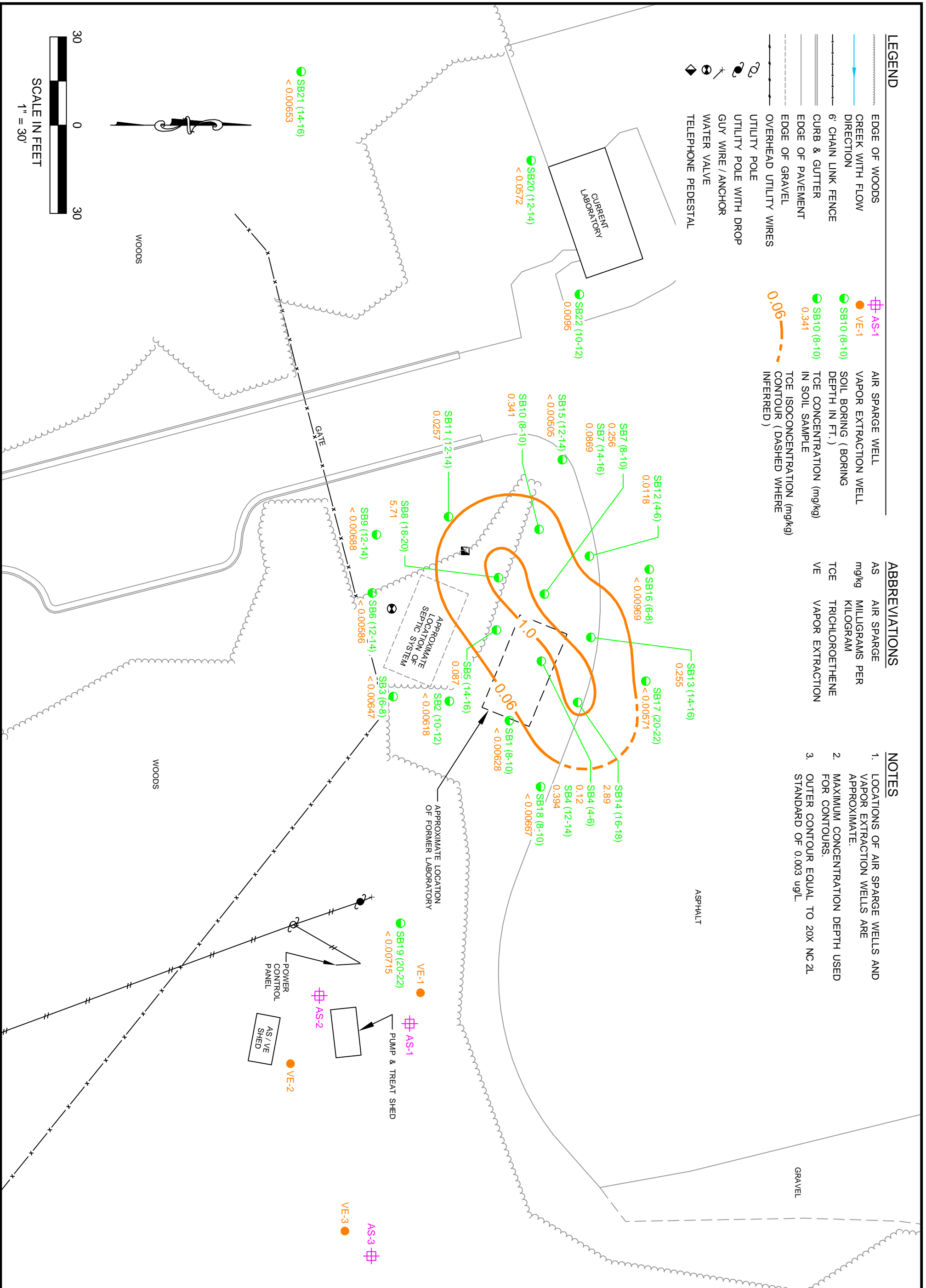
- ⊕ AS-1 AIR SPARGE WELL
- VE-1 VAPOR EXTRACTION WELL
- SB10 (8-10) SOIL BORING (BORING DEPTH IN FT.)
- SB10 (8-10) TCE CONCENTRATION (mg/kg) IN SOIL SAMPLE
- 0.341 TCE ISOCONCENTRATION (mg/kg) CONTOUR (DASHED WHERE INFERRED)

**ABBREVIATIONS**

- AS AIR SPARGE
- mg/kg MILLIGRAMS PER KILOGRAM
- TCE TRICHLOROETHENE
- VE VAPOR EXTRACTION

**NOTES**

1. LOCATIONS OF AIR SPARGE WELLS AND VAPOR EXTRACTION WELLS ARE APPROXIMATE.
2. MAXIMUM CONCENTRATION DEPTH USED FOR CONTOURS.
3. OUTER CONTOUR EQUAL TO 20X NC 2L STANDARD OF 0.003 ug/L.



**SOIL TCE ISOCONCENTRATION MAP  
APRIL 2010**

Former NCDOT Asphalt Testing Site No. 6-48  
Sugar Lake Road, Pittsboro, North Carolina

SCALE: 1"=30'	DATE: 03/17/11	PROJECT NUMBER: 60154105.4
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	NO.:	DESCRIPTION:	DATE:	BY:
DRAWN BY: KLR				
CHECKED BY:				
APPROVED BY:				

FIGURE NUMBER:

3

SHEET NUMBER:  
C110023B



WOODS

WOODS

ASPHALT

GRAVEL

CURRENT  
LABORATORY

APPROXIMATE  
LOCATION OF  
SEPTIC SYSTEM

APPROXIMATE LOCATION  
OF FORMER LABORATORY

POWER  
CONTROL  
PANEL

AS/VE  
SHED

PUMP & TREAT  
SHED

AS-2

AS-1

AS-3

VE-2

VE-3

SB21 (14-16)  
< 0.00653

SB20 (12-14)  
< 0.0572

SB22 (10-12)  
0.0095

SB15 (12-14)  
< 0.00505

SB10 (8-10)  
0.341

SB11 (12-14)  
0.0257

SB8 (18-20)  
5.71

SB9 (12-14)  
< 0.00688

SB6 (12-14)  
< 0.00586

SB3 (6-8)  
< 0.00647

SB2 (10-12)  
< 0.00618

SB5 (4-16)  
0.087

SB1 (8-10)  
< 0.00628

SB18 (8-10)  
< 0.00667

SB14 (16-18)  
2.89

SB4 (4-6)  
0.12

SB4 (12-14)  
0.394

SB12 (4-6)  
0.0118

SB16 (6-8)  
< 0.00969

SB17 (20-22)  
< 0.00571

SB13 (14-16)  
0.255

GATE

**LEGEND**

- EDGE OF WOODS
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL
- SOIL BORING (AECOM, APRIL 2010)
- SOIL BORING (AECOM, NOVEMBER 2010)

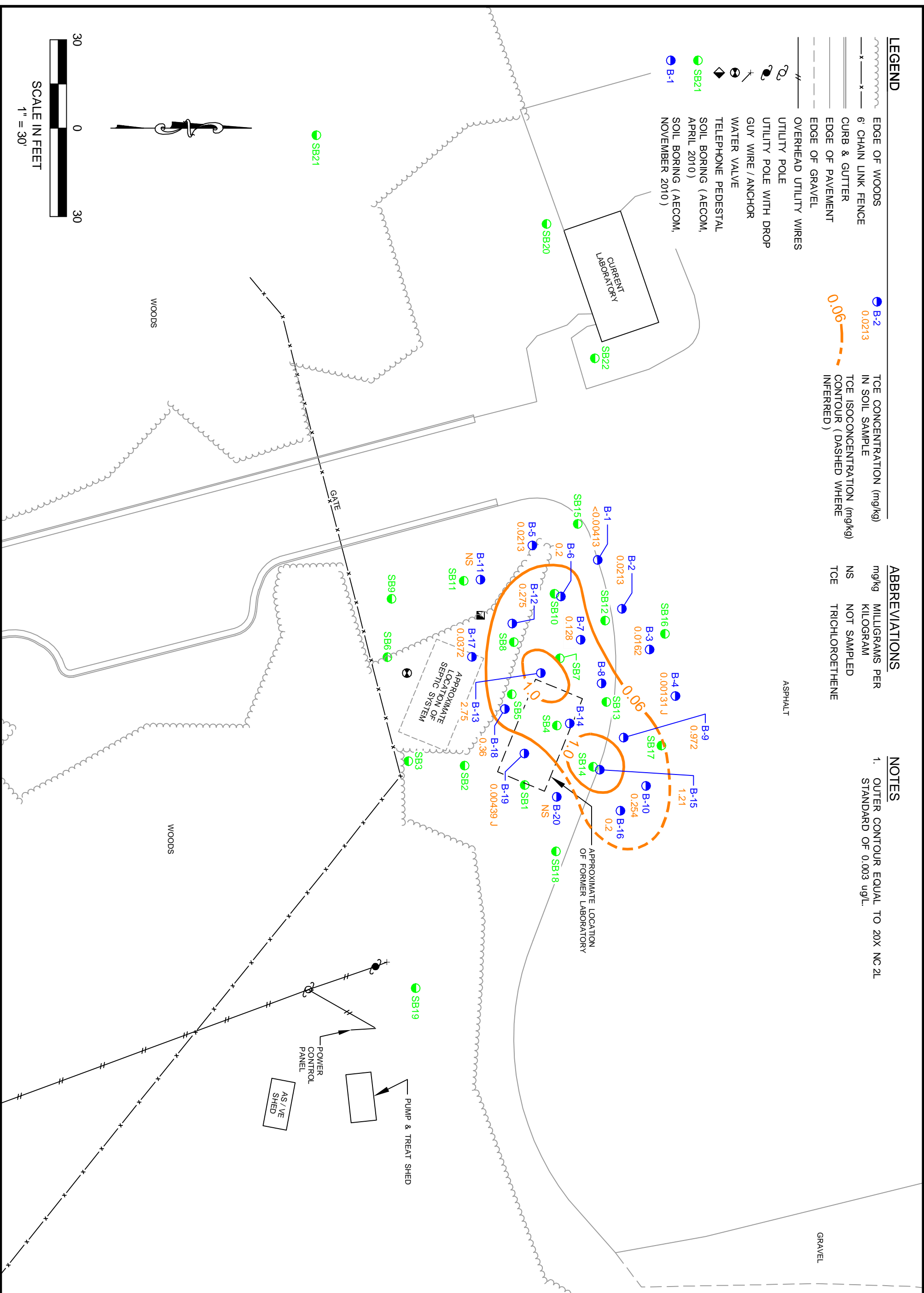
- B-2
  - 0.0213
  - 0.06
- TCE CONCENTRATION (mg/kg)  
IN SOIL SAMPLE
- TCE ISOCONCENTRATION (mg/kg)  
CONTOUR (DASHED WHERE  
INFERRED)

**ABBREVIATIONS**

- mg/kg MILLIGRAMS PER KILOGRAM
- NS NOT SAMPLED
- TCE TRICHLOROETHENE

**NOTES**

1. OUTER CONTOUR EQUAL TO 20X NC 2L STANDARD OF 0.003 ug/L.



**SOIL TCE ISOCONCENTRATION MAP (0-2 FEET) - NOVEMBER 2010**

Former NCDOT Asphalt Testing Site No. 6-48  
Sugar Lake Road, Pittsboro, North Carolina

SCALE: 1"=30'	DATE: 03/17/11	PROJECT NUMBER: 60154105.4
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APPROVED BY:				

FIGURE NUMBER: 4
SHEET NUMBER: C110024B

**LEGEND**

- EDGE OF WOODS
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL
- SOIL BORING (AECOM, APRIL 2010)
- SOIL BORING (AECOM, NOVEMBER 2010)

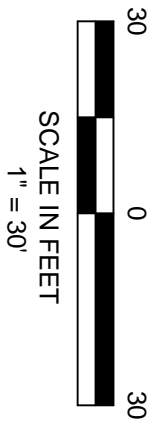
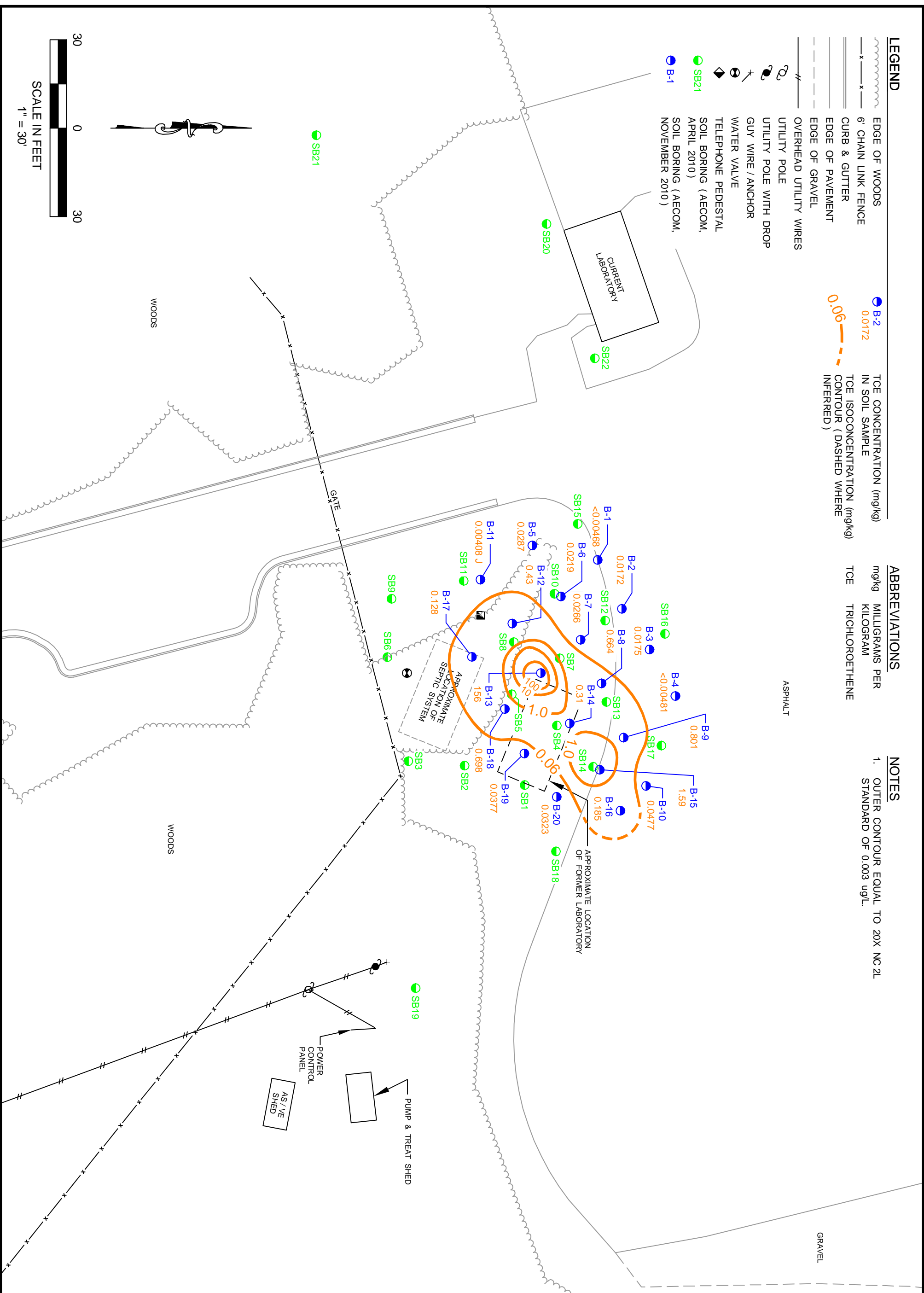
- B-2 0.0172 TCE CONCENTRATION (mg/kg) IN SOIL SAMPLE
- 0.06 TCE ISOCONCENTRATION (mg/kg) CONTOUR (DASHED WHERE INFERRED)

**ABBREVIATIONS**

- mg/kg MILLIGRAMS PER KILOGRAM
- TCE TRICHLOROETHENE

**NOTES**

1. OUTER CONTOUR EQUAL TO 20X NC 2L STANDARD OF 0.003 ug/L.



**SOIL TCE ISOCONCENTRATION MAP  
(2-4 FEET) - NOVEMBER 2010**

Former NCDOT Asphalt Testing Site No. 6-48  
Sugar Lake Road, Pittsboro, North Carolina

SCALE: 1"=30'	DATE: 03/17/11	PROJECT NUMBER: 60154105.4
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APPROVED BY:				

FIGURE NUMBER:  
**5**

SHEET NUMBER:  
C110025B



**LEGEND**

- EDGE OF WOODS
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL
- SOIL BORING (AECOM, APRIL 2010)
- SOIL BORING (AECOM, NOVEMBER 2010)
- SB21
- B-1
- SB20
- SB22
- SB21

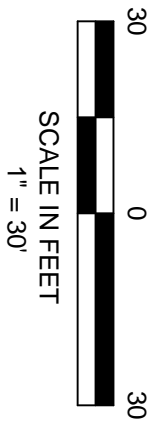
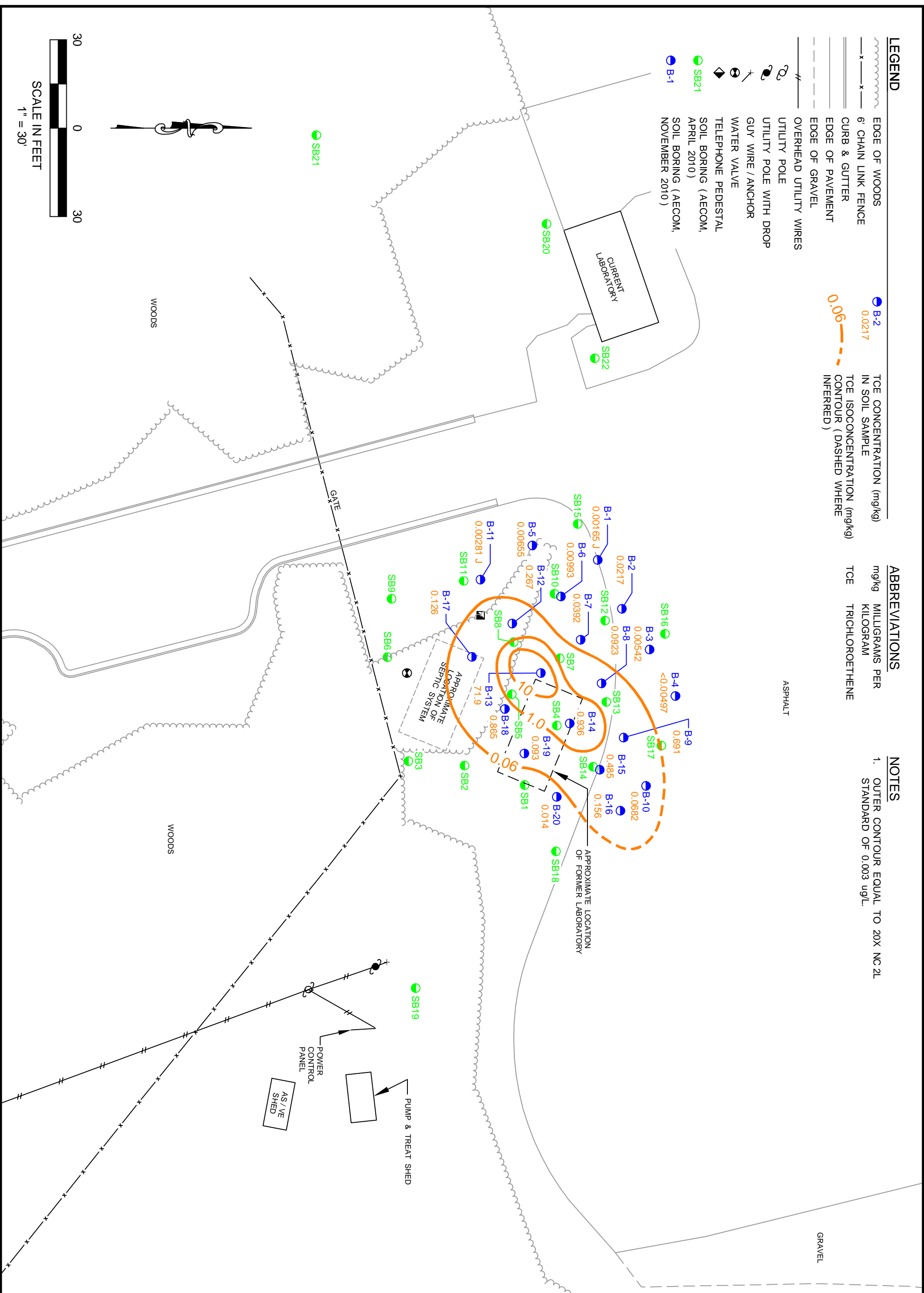
B-2  
0.0217  
 0.06  
TCE CONCENTRATION (mg/kg)  
IN SOIL SAMPLE  
TCE ISOCONCENTRATION (mg/kg)  
CONTOUR (DASHED WHERE  
INFERRED)

**ABBREVIATIONS**

mg/kg MILLIGRAMS PER  
KILOGRAM  
TCE TRICHLOROETHENE

**NOTES**

1. OUTER CONTOUR EQUAL TO 20X NC 2L  
STANDARD OF 0.003 ug/L.



**SOIL TCE ISOCONCENTRATION MAP  
(4-6 FEET) - NOVEMBER 2010**

Former NCDOT Asphalt Testing Site No. 6-48  
Sugar Lake Road, Pittsboro, North Carolina

SCALE: 1"=30'	DATE: 03/17/11	PROJECT NUMBER: 60154105.4
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APPROVED BY:				

FIGURE NUMBER:  
**6**

SHEET NUMBER:  
C110026B

**LEGEND**

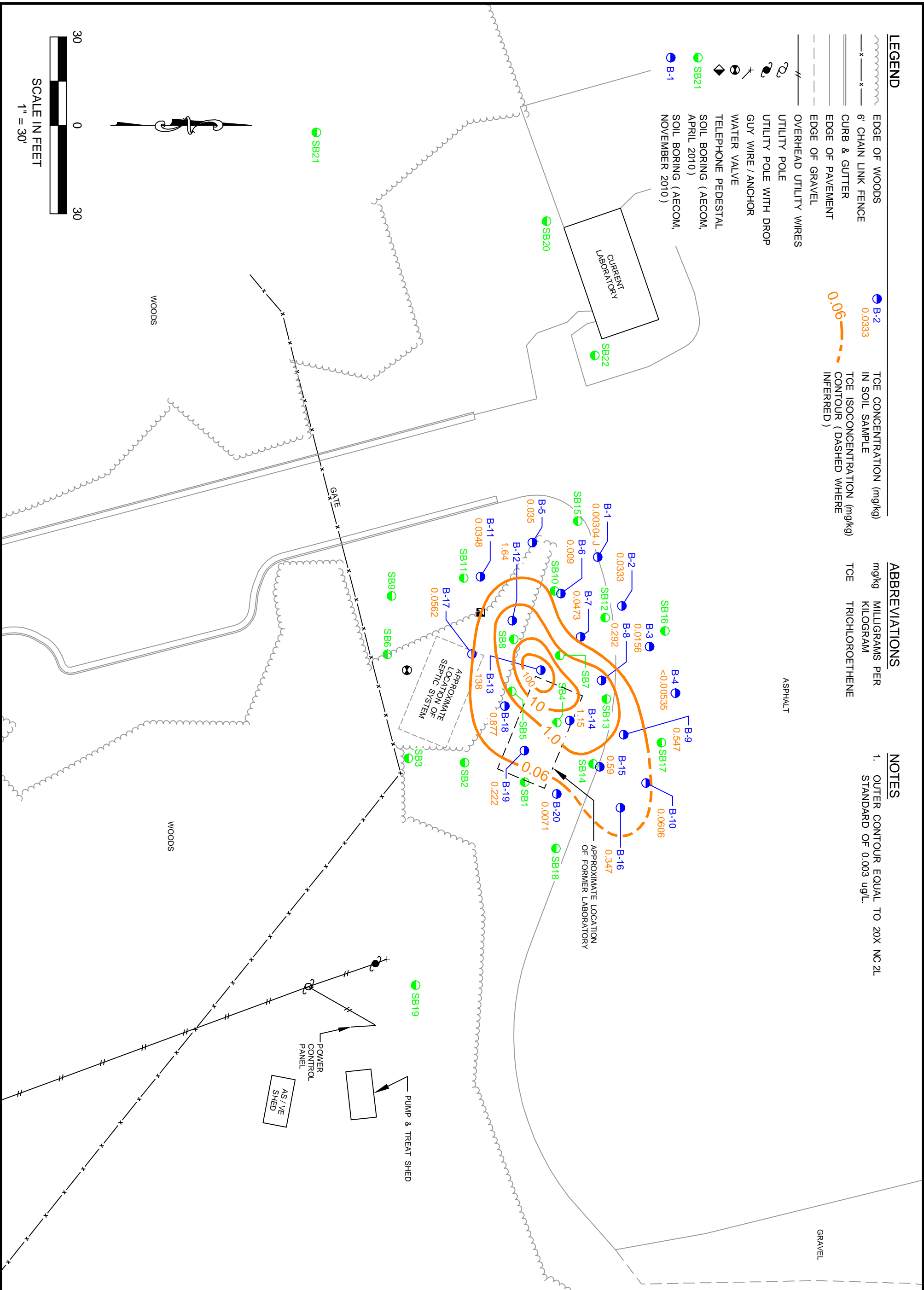
- EDGE OF WOODS
- 6' CHAIN LINK FENCE
- CURB & GUTTER
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- OVERHEAD UTILITY WIRES
- UTILITY POLE
- UTILITY POLE WITH DROP
- GUY WIRE / ANCHOR
- WATER VALVE
- TELEPHONE PEDESTAL
- SOIL BORING (AECOM, APRIL 2010)
- SOIL BORING (AECOM, NOVEMBER 2010)
- B-2
- 0.0333
- TCE ISOCONCENTRATION (mg/kg) IN SOIL SAMPLE
- TCE ISOCONCENTRATION (mg/kg) CONTOUR (DASHED WHERE INFERRED)

**ABBREVIATIONS**

- mg/kg MILLIGRAMS PER KILOGRAM
- TCE TRICHLOROETHENE

**NOTES**

1. OUTER CONTOUR EQUAL TO 20X NC 2L STANDARD OF 0.003 ug/L.



**SOIL TCE ISOCONCENTRATION MAP (6-8 FEET) - NOVEMBER 2010**

Former NCDOT Asphalt Testing Site No. 6-48  
Sugar Lake Road, Pittsboro, North Carolina

SCALE: 1"=30'	DATE: 03/17/11	PROJECT NUMBER: 60154105.4
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	NO.:	DESCRIPTION:	DATE:	BY:
DRAWN BY: KLR				
CHECKED BY:				
APPROVED BY:				

FIGURE NUMBER:

7

SHEET NUMBER:  
C110027B

**Table 1**  
**Soil Boring Laboratory Analytical Results - November 2010**  
**NCDOT - Former Asphalt Testing Plant Site**  
**Pittsboro, North Carolina**

Constituent (mg/kg)	HBSRG	PGSRG	20X	B-1				B-2				B-3				B-4				B-5			
				(0-2)	(2-4)	(4-6)	(6-8)	(0-2)	(2-4)	(4-6)	(6-8)	(0-2)	(2-4)	(4-6)	(6-8)	(0-2)	(2-4)	(4-6)	(6-8)	(0-2)	(2-4)	(4-6)	(6-8)
1,1,1-Trichloroethane	640	1.2	4	<0.00413	<0.00468	<0.00501	<0.00478	<0.0046	<0.00553	<0.00494	<0.0051	<0.00395	<0.0046	<0.0056	<0.005	<0.00415	<0.00481	<0.00497	<0.00535	<0.00475	<0.00532	<0.0053	<0.00533
1,1,2-Trichloroethane	0.32	0.0032	0.012	<0.00413	<0.00468	<0.00501	<0.00478	<0.0046	<0.00553	<0.00494	<0.0051	<0.00395	<0.0046	<0.0056	<0.005	<0.00415	<0.00481	<0.00497	<0.00535	<0.00475	<0.00532	<0.0053	<0.00533
1,2,3-Trichloropropane	78	NV	0.0001	<0.00413	<0.00468	<0.00501	<0.00478	<0.0046	<0.00553	<0.00494	<0.0051	<0.00395	<0.0046	<0.0056	<0.005	<0.00415	<0.00481	<0.00497	<0.00535	<0.00475	<0.00532	<0.0053	<0.00533
Acetone	12000	24	120	0.223	0.0234 J	0.0156 J	0.0209 J	0.183	0.0208 J	0.0106 J	0.0103 J	0.392	0.183	0.0149 J	<0.05	0.171	0.046 J	0.0186 J	0.0108 J	0.0857	0.0269 J	0.0377 J	0.00961 J
Benzene	1.1	0.0073	0.02	<0.00413	<0.00468	<0.00501	<0.00478	<0.0046	<0.00553	<0.00494	<0.0051	<0.00395	<0.0046	<0.0056	<0.005	<0.00415	<0.00481	<0.00497	<0.00535	<0.00475	<0.00532	<0.0053	<0.00533
Bromodichloromethane	0.27	0.0029	0.012	<0.00413	<0.00468	<0.00501	<0.00478	<0.0046	<0.00553	<0.00494	<0.0051	<0.00395	<0.0046	<0.0056	<0.005	<0.00415	<0.00481	<0.00497	<0.00535	<0.00475	<0.00532	<0.0053	<0.00533
Bromoform	62	0.019	0.08	<0.00413	<0.00468	<0.00501	<0.00478	<0.0046	<0.00553	<0.00494	<0.0051	<0.00395	<0.0046	<0.0056	<0.005	<0.00415	<0.00481	<0.00497	<0.00535	<0.00475	<0.00532	<0.0053	<0.00533
Bromomethane	1.5	0.048	0.2	<0.00413	<0.00468	<0.00501	<0.00478	<0.0046	<0.00553	<0.00494	<0.0051	<0.00395	<0.0046	<0.0056	<0.005	<0.00415	<0.00481	<0.00497	<0.00535	<0.00475	<0.00532	<0.0053	<0.00533
Carbon tetrachloride	0.61	0.0021	0.006	<0.00413	<0.00468	<0.00501	<0.00478	<0.0046	<0.00553	<0.00494	<0.0051	<0.00395	<0.0046	<0.0056	<0.005	<0.00415	<0.00481	<0.00497	<0.00535	<0.00475	<0.00532	<0.0053	<0.00533
Tetrachloroethene	17	0.005	0.014	<0.00413	<0.00468	<0.00501	<0.00478	0.00148	<0.00553	<0.00494	<0.0051	0.00502	0.00131 J	<0.0056	<0.005	0.0009 J	<0.00481	<0.00497	<0.00535	<0.00475	<0.00532	<0.0053	<0.00533
Trichloroethene	0.88	0.018	0.06	<0.00413	<0.00468	0.00165 J	0.00304 J	0.0213	0.0172	0.0217	0.0333	0.0162	0.0175	0.00542	0.0156	0.00131 J	<0.00481	<0.00497	<0.00535	0.0213	0.0287	0.00655	0.035
Vinyl chloride	0.06	0.00019	0.0006	<0.00413	<0.00468	<0.00501	<0.00478	<0.0046	<0.00553	<0.00494	<0.0051	<0.00395	<0.0046	<0.0056	<0.005	<0.00415	<0.00481	<0.00497	<0.00535	<0.00475	<0.00532	<0.0053	<0.00533

**Notes:**  
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**Table 1**  
**Soil Boring Laboratory Analytical Results - November 2010**  
**NCDOT - Former Asphalt Testing Plant Site**  
**Pittsboro, North Carolina**

Constituent (mg/kg)	HBSRG	PGSRG	20X	B-6				B-7					B-8				B-9				B-10			
				(0-2)	(2-4)	(4-6)	(6-8)	(0-2)	(2-4)	(4-6)	(6-8)	(8-10)	(2-4)	(4-6)	(6-8)	(8-10)	(0-2)	(2-4)	(4-6)	(6-8)	(0-2)	(2-4)	(4-6)	(6-8)
1,1,1-Trichloroethane	--	--	4	0.00294 J	<0.00616	<0.00539	<0.00565	0.00517	<0.0051	<0.00572	<0.00589	0.00145 J	0.0153 J	<0.0537	<0.0514	0.0456 J	<0.0477	<0.0647	<0.0544	<0.0527	<0.0482	<0.00458	<0.00524	<0.0062
1,1,2-Trichloroethane	640	1.2	0.012	<0.00522	<0.00616	<0.00539	<0.00565	<0.00436	<0.0051	<0.00572	<0.00589	<0.00473	<0.0493	<0.0537	<0.0514	<0.0557	<0.0477	<0.0647	<0.0544	<0.0527	<0.0482	<0.00458	<0.00524	<0.0062
1,2,3-Trichloropropane	0.005	0.000032	0.0001	<0.00522	<0.00616	<0.00539	<0.00565	<0.00436	<0.0051	<0.00572	<0.00589	<0.00473	<0.0493	<0.0537	<0.0514	<0.0557	<0.0477	<0.0647	<0.0544	<0.0527	<0.0482	<0.00458	<0.00524	<0.0062
Acetone	12000	24	120	0.0601	0.0925	0.0385 J	0.029 J	0.354	0.0559	0.186	0.0217 J	0.0221 J	<1.23	<1.34	<1.29	<1.39	<1.19	<1.62	<1.36	<1.32	<1.21	0.0314 J	0.0423 J	0.0196 J
Benzene	1.1	0.0073	0.02	<0.00522	<0.00616	<0.00539	<0.00565	<0.00436	<0.0051	<0.00572	<0.00589	<0.00473	<0.0493	<0.0537	<0.0514	<0.0557	<0.0477	<0.0647	<0.0544	<0.0527	<0.0482	<0.00458	<0.00524	<0.0062
Bromodichloromethane	0.27	0.0029	0.012	<0.00522	<0.00616	<0.00539	<0.00565	<0.00436	<0.0051	<0.00572	<0.00589	<0.00473	<0.0493	<0.0537	<0.0514	<0.0557	<0.0477	<0.0647	<0.0544	<0.0527	<0.0482	<0.00458	<0.00524	<0.0062
Bromoform	61	0.019	0.08	<0.00522	<0.00616	<0.00539	<0.00565	<0.00436	<0.0051	<0.00572	<0.00589	<0.00473	<0.0493	<0.0537	<0.0514	<0.0557	<0.0477	<0.0647	<0.0544	<0.0527	<0.0482	<0.00458	<0.00524	<0.0062
Bromomethane	1.5	0.048	0.2	<0.00522	<0.00616	<0.00539	<0.00565	<0.00436	<0.0051	<0.00572	<0.00589	<0.00473	<0.0493	<0.0537	<0.0514	<0.0557	<0.0477	<0.0647	<0.0544	<0.0527	<0.0482	<0.00458	<0.00524	<0.0062
Carbon tetrachloride	0.61	0.002	0.006	<0.00522	<0.00616	<0.00539	<0.00565	<0.00436	<0.0051	<0.00572	<0.00589	<0.00473	<0.0493	<0.0537	<0.0514	<0.0557	<0.0477	<0.0647	<0.0544	<0.0527	<0.0482	<0.00458	<0.00524	<0.0062
Tetrachloroethene	0.55	0.005	0.014	0.00136 J	<0.00616	<0.00539	<0.00565	0.00411 J	<0.0051	<0.00572	<0.00589	<0.00473	0.00789 J	<0.0537	<0.0514	<0.0557	<0.0477	<0.0647	<0.0544	<0.0527	<0.0482	<0.00458	<0.00524	<0.0062
Trichloroethene	2.8	0.018	0.06	0.2	0.0219	0.00993	0.009	0.128	0.0266	0.0392	0.0473	0.0494	0.664	0.0923	0.292	1.31	0.972	0.801	0.691	0.547	0.254	0.0477	0.0682	0.0606
Vinyl chloride	0.06	0.00019	0.0006	<0.00522	<0.00616	<0.00539	<0.00565	<0.00436	<0.0051	<0.00572	<0.00589	<0.00473	<0.0493	<0.0537	<0.0514	<0.0557	<0.0477	<0.0647	<0.0544	<0.0527	<0.0482	<0.00458	<0.00524	<0.0062

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**NCDOT - Former Asphalt Testing Plant Site**  
**Pittsboro, North Carolina**

Constituent (mg/kg)	HBSRG	PGSRG	20X	B-11			B-12				B-13				B-14				B-15			
				(2-4)	(4-6)	(6-8)	(0-2)	(2-4)	(4-6)	(6-8)	(0-2)	(2-4)	(4-6)	(6-8)	(2-4)	(4-6)	(6-8)	(8-10)	(0-2)	(2-4)	(4-6)	(6-8)
1,1,1-Trichloroethane	--	--	4	<0.00606	<0.00638	<0.00578	0.00671 J	0.0105 J	0.00738 J	0.0368 J	0.231	<b>12</b>	<b>7.17</b>	<b>16.3</b>	0.0392 J	0.12	0.11	0.695	<0.0469	0.055 J	<0.0636	0.0168 J
1,1,2-Trichloroethane	640	1.2	0.012	<0.00606	<0.00638	<0.00578	<0.048	<0.0554	<0.0527	<0.102	<0.0860	<10.5	<4.81	<9.87	<0.0445	<0.0448	<0.0602	<0.267	<0.0469	<0.0965	<0.0636	<0.0599
1,2,3-Trichloropropane	0.005	0.000032	0.0001	<0.00606	<0.00638	<0.00578	<0.048	<0.0554	<0.0527	<0.102	<0.0860	<10.5	<4.81	<9.87	<0.0445	<0.0448	<0.0602	<0.267	<0.0469	<0.0965	<0.0636	<0.0599
Acetone	12000	24	120	0.0551 J	0.0809	0.0626	<1.2	<1.38	<1.32	<2.56	<2.15	<261	<120	<247	<1.11	<1.12	<1.51	<6.68	<1.17	<2.41	<1.59	<1.5
Benzene	1.1	0.0073	0.02	<0.00606	<0.00638	<0.00578	<0.048	<0.0554	<0.0527	<0.102	<0.0860	<10.5	<4.81	<9.87	<0.0445	<0.0448	<0.0602	<0.267	<0.0469	<0.0965	<0.0636	<0.0599
Bromodichloromethane	0.27	0.0029	0.012	<0.00606	<0.00638	<0.00578	<0.048	<0.0554	<0.0527	<0.102	<0.0860	<10.5	<4.81	<9.87	<0.0445	<0.0448	<0.0602	<0.267	<0.0469	<0.0965	<0.0636	<0.0599
Bromoform	61	0.019	0.08	<0.00606	<0.00638	<0.00578	<0.048	<0.0554	<0.0527	<0.102	<0.0860	<10.5	<4.81	<9.87	<0.0445	<0.0448	<0.0602	<0.267	<0.0469	<0.0965	<0.0636	<0.0599
Bromomethane	1.5	0.048	0.2	<0.00606	<0.00638	<0.00578	<0.048	<0.0554	<0.0527	<0.102	<0.0860	<10.5	<4.81	<9.87	<0.0445	<0.0448	<0.0602	<0.267	<0.0469	<0.0965	<0.0636	<0.0599
Carbon tetrachloride	0.61	0.002	0.006	<0.00606	<0.00638	<0.00578	<0.048	<0.0554	<0.0527	<0.102	<0.0860	<10.5	<4.81	<9.87	<0.0445	<0.0448	<0.0602	<0.267	<0.0469	<0.0965	<0.0636	<0.0599
Tetrachloroethene	0.55	0.005	0.014	<0.00606	<0.00638	<0.00578	<0.048	<0.0554	<0.0527	<0.102	<b>0.0507 J</b>	<b>3.87 J</b>	<b>1.11 J</b>	<b>9.87</b>	<b>&lt;0.0445</b>	<b>&lt;0.0448</b>	<b>&lt;0.0602</b>	<b>&lt;0.267</b>	<b>0.0112 J</b>	<b>&lt;0.0965</b>	<b>&lt;0.0636</b>	<b>&lt;0.0599</b>
<b>Trichloroethene</b>	<b>2.8</b>	<b>0.018</b>	<b>0.06</b>	<b>0.00408 J</b>	<b>0.00281 J</b>	<b>0.0348</b>	<b>0.275</b>	<b>0.43</b>	<b>0.267</b>	<b>1.64</b>	<b>2.75</b>	<b>156</b>	<b>71.9</b>	<b>138</b>	<b>0.31</b>	<b>0.936</b>	<b>1.15</b>	<b>6.28</b>	<b>1.21</b>	<b>1.59</b>	<b>0.485</b>	<b>0.59</b>
Vinyl chloride	0.06	0.00019	0.0006	<0.00606	<0.00638	<0.00578	<0.048	<0.0554	<0.0527	<0.102	<0.0860	<10.5	<4.81	<9.87	<0.0445	<0.0448	<0.0602	<0.267	<0.0469	<0.0965	<0.0636	<0.0599

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Constituent (mg/kg)	HBSRG	PGSRG	20X	B-16				B-17				B-18				B-19				B-20			
				(0-2)	(2-4)	(4-6)	(6-8)	(0-2)	(2-4)	(4-6)	(6-8)	(0-2)	(2-4)	(4-6)	(6-8)	(0-2)	(2-4)	(4-6)	(6-8)	(2-4)	(4-6)	(6-8)	(8-10)
1,1,1-Trichloroethane	--	--	4	<0.0424	0.00136 J	<0.0543	<0.0502	0.00359 J	0.0101	0.00597	0.00352 J	0.0238 J	0.0571	0.054 J	0.0499 J	0.00283 J	0.00668	0.00755	0.0185 J	0.00774	0.00496	0.00256 J	0.00187 J
1,1,2-Trichloroethane	640	1.2	0.012	<0.0424	<0.00544	<0.0543	<0.0502	<0.00434	<0.00533	<0.00591	<0.00511	<0.045	<0.045	<0.062	<0.0519	<0.00466	<0.00512	<0.00554	<0.045	<0.00424	<0.00406	<0.0046	<0.0048
1,2,3-Trichloropropane	0.005	0.000032	0.0001	<0.0424	<0.00544	<0.0543	<0.0502	<0.00434	<0.00533	<0.00591	<0.00511	<0.045	<0.045	<0.062	<0.0519	<0.00466	<0.00512	<0.00554	<0.045	<0.00424	<0.00406	<0.0046	<0.0048
Acetone	12000	24	120	<1.06	0.109	<1.36	<1.25	0.082	0.0225 J	0.0374 J	0.0523	<1.12	<1.12	<1.55	<1.3	0.171	0.0259 J	0.0293 J	<1.13	0.329	0.165	0.0414 J	0.0155 J
Benzene	1.1	0.0073	0.02	<0.0424	<0.00544	<0.0543	<0.0502	<0.00434	<0.00533	<0.00591	<0.00511	<0.045	<0.045	<0.062	<0.0519	<0.00466	<0.00512	<0.00554	<0.045	<0.00424	<0.00406	<0.0046	<0.0048
Bromodichloromethane	0.27	0.0029	0.012	<0.0424	<0.00544	<0.0543	<0.0502	<0.00434	<0.00533	<0.00591	<0.00511	<0.045	<0.045	<0.062	<0.0519	<0.00466	<0.00512	<0.00554	<0.045	<0.00424	<0.00406	<0.0046	<0.0048
Bromoform	61	0.019	0.08	<0.0424	<0.00544	<0.0543	<0.0502	<0.00434	<0.00533	<0.00591	<0.00511	<0.045	<0.045	<0.062	<0.0519	<0.00466	<0.00512	<0.00554	<0.045	<0.00424	<0.00406	<0.0046	<0.0048
Bromomethane	1.5	0.048	0.2	<0.0424	<0.00544	<0.0543	<0.0502	<0.00434	<0.00533	<0.00591	<0.00511	<0.045	<0.045	<0.062	<0.0519	<0.00466	<0.00512	<0.00554	<0.045	<0.00424	<0.00406	<0.0046	<0.0048
Carbon tetrachloride	0.61	0.002	0.006	<0.0424	<0.00544	<0.0543	<0.0502	<0.00434	<0.00533	<0.00591	<0.00511	<0.045	<0.045	<0.062	<0.0519	<0.00466	<0.00512	<0.00554	<0.045	<0.00424	<0.00406	<0.0046	<0.0048
Tetrachloroethene	0.55	0.005	0.014	<0.0424	0.00203 J	<0.0543	<0.0502	0.0009 J	0.00144 J	<0.00591	<0.00511	<0.045	<0.045	<0.062	0.0119 J	0.00107 J	0.00097 J	<0.00554	<0.045	0.00463	0.00148 J	<0.0046	<0.0048
Trichloroethene	2.8	0.018	0.06	<b>0.2</b>	<b>0.185</b>	<b>0.156</b>	<b>0.347</b>	0.0372	<b>0.128</b>	<b>0.126</b>	0.0562	<b>0.36</b>	<b>0.698</b>	<b>0.865</b>	<b>0.877</b>	0.00439 J	0.0377	<b>0.093</b>	<b>0.222</b>	0.0323	0.014	0.0071	0.0101
Vinyl chloride	0.06	0.00019	0.0006	<0.0424	<0.00544	<0.0543	<0.0502	<0.00434	<0.00533	<0.00591	<0.00511	<0.045	<0.045	<0.062	<0.0519	<0.00466	<0.00512	<0.00554	<0.045	<0.00424	<0.00406	<0.0046	<0.0048

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