NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 42270.1.1	**TIP** B-5124	**COUNTY** NASH	**GEOLOGIST** Oti, O. B.
SITE DESCRIPTION BRIDGE NO. 85 ON US 301 (-L-) OVER SWIFT CREEK OVERFLOW			**GROUND WTR (ft)**
BORING NO. B1-B	**STATION** 22+56	**OFFSET** 3 ft RT	**ALIGNMENT** -L- — **0 HR.** N/A
COLLAR ELEV. 86.8 ft	**TOTAL DEPTH** 76.8 ft	**NORTHING** 846,538	**EASTING** 2,369,749 — **24 HR.** N/A
DRILL RIG/HAMMER EFF./DATE RFO0074 CME-55 92% 07/12/2011		**DRILL METHOD** Mud Rotary	**HAMMER TYPE** Automatic
DRILLER Conley, H. R.	**START DATE** 02/28/14	**COMP. DATE** 03/04/14	**SURFACE WATER DEPTH** 1.7ft

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 25 50 75 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION ELEV. (ft)	DEPTH (ft)
100											
95											
90										WATER SURFACE (02/28/14)	
	86.8	0.0	1	2	10	12		Sat.		86.8 GROUND SURFACE	0.0
85										**ALLUVIAL** GRAY, SILTY SAND AND COARSE SAND WITH GRAVEL	
	81.8	5.0	1	1	1	2		Sat.		83.8	3.0
80											
	76.8	10.0	2	3	3	6		Sat.		73.3	13.5
75											
	71.8	15.0	2	6	5	11		Sat.		68.3	18.5
70										**COASTAL PLAIN** GREEN, GRAY AND BROWN, SILTY CLAY, SANDY CLAY AND SANDY SILT WITH SHELL FRAGMENTS (YORKTOWN FORMATION)	
	66.8	20.0	2	2	3	5		W			
65											
	61.6	25.2	1	1	1	2		W			
60											
	56.6	30.2	6	8	11	19		W			
55											
	51.5	35.3	8	14	17	31		W			
50											
	46.5	40.3	9	12	19	31		W			
45										43.3	43.5
	41.5	45.3	11	17	25	42		W		38.3	48.5
40											
	36.5	50.3	8	8	11	19		W			
35											
	31.5	55.3	6	9	11	20		W		28.3	58.5
30											
	26.5	60.3	10	17	24	41		W		23.3	63.5
25											
	21.5	65.3	11	15	25	40		W			
20											

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20						Match Line				
	16.5	70.3	1	1	1	2		Sat.		18.3 GRAY, SILTY SAND 68.5
15										
	11.5	75.3	10	11	17	28		Sat.		10.0 Boring Terminated at Elevation 10.0 ft IN MED. DENSE SAND 76.8
10										

NCDOT BORE DOUBLE B5124_GEO_BRDG0085_SPT_BORINGS.GPJ NC_DOT.GDT 5/1/14