

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL UNIT BORING LOG

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SHEET 8 OF 12

PROJECT NO. 6.469002T		ID. R-0513BA		COUNTY ROBESON		GEOLOGIST O.B. OTI							
SITE DESCRIPTION STRUCTURES NO.1 AND 2 ON -L- (US 74 BYPASS) OVER -YI- (NC 710)							GROUND WATER						
BORING NO. EBI-A(W)		BORING LOCATION 113+22.5		OFFSET 21.5m LT	ALIGNMENT -L-		0 HR. N/A						
COLLAR ELEV. 47.62m		NORTHING 99959.9		EASTING 587171.6		24 HR. 1.00m							
TOTAL DEPTH 19.55m		DRILL MACHINE CME-550		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC							
START DATE 4/8/03		COMPLETION DATE 4/23/03		SURFACE WATER DEPTH N/A		DEPTH TO ROCK N/A							
ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75	100			
47.62	0.86	1	2	3	0.30	X 5					SS-165	M	DUPLIN FORMATION, TAN-BROWN, SILTY CLAY
46.00	2.38	1	3	6	0.30	X 9					SS-166	M	TAN-GRAY, SANDY CLAY
44.00	3.90	WOH	WOH	WOH	0.30	X WOH					SS-167	W	DARK GRAY, SILTY CLAY
42.00	5.42	8	12	10	0.30	X 22					SS-168	W	TAN-WHITE, COARSE SAND
40.00	6.94	4	9	12	0.30	X 21					SS-169	W	TAN-WHITE, SAND
38.00	8.46	7	12	15	0.30	X 27					SS-170	W	TAN-WHITE, COARSE SAND
36.00	9.98	3	5	5	0.30	X 10					SS-171	W	TAN-WHITE, SAND
34.00	11.50	1	4	7	0.30	X 11						27%	
32.00	13.02	3	8	8	0.30	X 16						W	
30.00	14.54	3	5	9	0.30	X 14						W	BLACK CREEK FORMATION LIGHT GRAY, SILTY CLAY
28.00	16.06	8	11	12	0.30	X 23						W	
	17.58	5	12	17	0.30	X 29						W	
	19.10	14	20	21	0.30	X 41						W	
BORING TERMINATED AT ELEVATION 28.07 METERS IN SILTY CLAY													

PROJECT NO. 6.469002T		ID. R-0513BA		COUNTY ROBESON		GEOLOGIST O.B. OTI							
SITE DESCRIPTION STRUCTURES NO.1 AND 2 ON -L- (US 74 BYPASS) OVER -YI- (NC 710)							GROUND WATER						
BORING NO. EBI-B(E)		BORING LOCATION 113+63.1		OFFSET 19.8m RT	ALIGNMENT -L-		0 HR. N/A						
COLLAR ELEV. 47.63m		NORTHING 99902.5		EASTING 587163.9		24 HR. 1.00m							
TOTAL DEPTH 19.55m		DRILL MACHINE CME-550		DRILL METHOD ROTARY W/MUD		HAMMER TYPE AUTOMATIC							
START DATE 4/22/03		COMPLETION DATE 4/22/03		SURFACE WATER DEPTH N/A		DEPTH TO ROCK N/A							
ELEV.	DEPTH	BLOW COUNT			PEN. (m)	BLOWS PER 30cm				SAMPLE NUMBER	LOG	SOIL AND ROCK DESCRIPTION	
		15cm	15cm	15cm		0	25	50	75	100			
47.63	0.87	3	3	4	0.30	X 7					SS-172	M	DUPLIN FORMATION, TAN-BROWN, COARSE SAND
46.00	2.39	1	1	2	0.30	X 3					SS-173	M	LIGHT GRAY, SANDY CLAY
44.00	3.91	3	3	5	0.30	X 8						W	
42.00	5.43	5	7	8	0.30	X 15						W	
40.00	6.95	3	6	10	0.30	X 16						W	GRAY-WHITE, COARSE SAND
38.00	8.47	6	11	14	0.30	X 25						W	
36.00	9.99	4	9	6	0.30	X 15						W	TAN-WHITE, SAND
34.00	11.51	2	4	5	0.30	X 9						W	
32.00	13.03	3	8	10	0.30	X 18					SS-174	W	BLACK CREEK FORMATION, LIGHT GRAY, SILTY CLAY
30.00	14.55	4	8	10	0.30	X 18						W	
28.00	16.07	4	8	11	0.30	X 19					SS-175	W	
	17.59	3	8	14	0.30	X 22					SS-176	W	LIGHT GRAY, SANDY CLAY
	19.11	4	10	11	0.30	X 21					SS-177	W	LIGHT GRAY, SILTY SAND
BORING TERMINATED AT ELEVATION 28.08 METERS IN SILTY SAND													