

STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PAGE 2 OF 3

BORING NO. B # 9

CONTRACT: 97-200-13 CYPRESS SWAMP

Rg14-08

BORING LOCATION:

DAILY PROGRESS	NO.	SAMPLE DEPTH	BLOWS/6"	SAMPLE DESCRIPTION	CLASS/G.I.	REMARKS
4/8/98	1	0.0'	W/H	Saturated loose brown silty fine sand	A-2-4 (0)	
			2	w/some coarse sand, trace of gravel.		
			5			
		2.0'	8			
16" Recovery						
	2	2.0'	10	Saturated medium dense brown silty fine	A-2-4 (0)	
			10	sand w/trace of coarse sand.		
			9			
		4.0'	10			
15" Recovery						
	3	4.0'	8	Wet medium dense brown fine sand w/some	A-3 (0)	Water @ 4.5'
			13	coarse sand, trace of silt.		
			15			
		6.0'	17			
23" Recovery						
	4	6.0'	8	Wet medium dense brown fine sand w/some	A-2-4 (0)	
			12	silt, trace of coarse sand.		
			11			
		8.0'	20			
20" Recovery						
	5	8.0'	3	Wet medium dense brown fine sand w/some	A-2-4 (0)	
			11	silt, trace of coarse sand.		
			9			
		10.0'	7			
12" Recovery						
	6	10.0'	1	Saturated soft gray organic silt w/trace	A-4 (1)	
			2	of fine sand.		
			2			
		12.0'	3			
16" Recovery						
	7	12.0'	1	Saturated firm brown organic fine sandy	A-4 (0)	
			2	silt.		
			3			
		14.0'	3			
16" Recovery						

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SURFACE ELEV.

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PAGE 3 OF 3

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DAILY PROGRESS	NO.	SAMPLE DEPTH	BLOWS/6"	SAMPLE DESCRIPTION	CLASS/G.I.	REMARKS
4/8/98	8	14.0'	W/H	Saturated soft brown organic fine sandy	A-4 (0)	
		15.0'	W/H	silt w/some coarse sand.		

5" Recovery

(END)

BORING NO. B # 9
SURFACE ELEV.

LOUIS BERGER & ASSOCIATES, INC.
ENGINEERS, ECONOMISTS, PLANNERS

LOG OF BORING B9 Rg 14-08 SHEET 1 OF 1

PROJECT AND LOCATION Delaware DOT Great Cypress Swamp Wetland Mitigation Bank				ELEVATION (FT)		PROJECT NO. JG-1317	
DRILLING CONTRACTOR Walton Corporation		FOREMAN Andy Talley		DATE STARTED 4/8/98		DATE FINISHED 4/8/98	
DRILLING EQUIPMENT Truck mounted drill rig				COMPLETION DEPTH 15'		ROCK DEPTH	
TYPE BIT Auger (hollow stem)		SIZE & TYPE OF CORE BARREL		GW DATA		FIRST COMPL. HR.	
CASING No Casing		2" split spoon		TIME			
CASING HAMM.		WEIGHT		DROP		WATER LEVEL (FT.) 4.50	
SAMPLER 1				BORING B9 (Single)			
SAMPLER HAMMER		WEIGHT 140 lb		DROP 30 inches		LOCATION	
				INSPECTOR Ruwan Rajapakse/Tim Burke			
BLOWS ON CASING	DEPTH FT.	SAMPLES			DESCRIPTION	LOG	REMARKS
		PENETR. RESIST. BL/6 IN.	REC. IN.	TYPE NO.			
		WOH			Dark brown-black organic SILT and fine Sand	9.5"	Topsoil
1	2	2		S1	Brown SILT, some fine Sand, trace Clay		
	5	16	9.5"-2'				
2	8						
	10				Dark brown SAND, some Silt		
3	10	15	S2				
	9		2'-4'		Brown SILT, some Clay, little fine Sand		
4	10						
	8				Tan m-f SAND, some Silt		Groundwater at 4.5'
5	13	23	S3				
	15		4'-6'				
6	17						
	8						
7	12	20	S4				
	11		6'-8'		Brown SILT and fine Sand	7.5'	
8	20				Tan m-f SAND, some Silt	7'9"	
	3						
9	11	12				9'9"	
	9						
10	7				Tan m-f SAND and Silt		
	1				Gray CLAY, some Silt		
11	2	16					
	2						
12	3						
	1				Dark brown SILT, little Clay, trace fine Sand		Slight organic odor
13	2	16					
	3						
14	3						
	WOH						
15	WOH	5			Dark brown Silty CLAY, little fine Sand		