

STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PAGE 2 OF 3

CONTRACT: 97-200-13 CYPRESS SWAMP

BORING LOCATION:

Rg 14-04

BORING NO. B # 5

PROGRESS NO.	DAILY SAMPLE DEPTH	BLOWS/6"	SAMPLE DESCRIPTION	CLASS/G.I.	REMARKS
4/9/98	1 0.0'	1	Saturated very loose brown silty fine sand w/some organic matter and coarse sand.	A-2-4 (0)	
	2 2.0'	2			
	2 2.0'	2			
	4 2.0'	4			
			21" Recovery		
	2 2.0'	9	Wet medium dense brown fine sand w/some silt, trace of coarse sand.	A-2-4 (0)	
	10 4.0'	10			
	13 4.0'	13			
	15 4.0'	15			
			16" Recovery		
	3 4.0'	7	Wet medium dense brown silty fine sand w/trace of coarse sand.	A-2-4 (0)	Water @ 4.5'
	9 6.0'	9			
	15 6.0'	15			
	23 6.0'	23			
			18" Recovery		
	4 6.0'	10	Wet dense brown fine sand w/some silt and coarse sand.	A-2-4 (0)	
	12 8.0'	12			
	24 8.0'	24			
	39 8.0'	39			
			24" Recovery		
	5 8.0'	10	Wet medium dense brown fine sand w/some silt, trace of coarse sand.	A-2-4 (0)	
	13 10.0'	13			
	12 10.0'	12			
	17 10.0'	17			
			24" Recovery		
	6 10.0'	4	Saturated medium dense brown silty fine sand w/trace of coarse sand. (10" Sample)	A-2-4 (0)	
	9 12.0'	9			
	5 12.0'	5	Saturated stiff gray silt w/some organic matter, trace of fine sand. (9" Sample)	A-4 (0)	
	4 12.0'	4			
			19" Recovery		
	8 12.0'	1	Saturated firm gray fine sandy silt w/some organic matter.	A-4 (0)	
	3 14.0'	3			
	2 14.0'	2			
	5 14.0'	5			
			19" Recovery		

BORING NO. B # 5
SURFACE ELEV.

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PAGE 3 OF 3

CONTRACT: 97-200-13 CYPRESS SWAMP
BORING LOCATION:

BORING NO. B # 5

RS14-04

PROGRESS NO.	DAILY	DEPTH	BLOWS/6"	SAMPLE DESCRIPTION	CLASS/G.I.	REMARKS
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4/9/98	9	14.0'	6	Saturated medium dense gray silty fine sand.		
		15.0'	6			

6" Recovery

(END)

BORING NO. B # 5
SURFACE ELEV.

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

LOG OF BORING

B5 R₃14-04

SHEET 1 OF 1

PROJECT AND LOCATION		ELEVATION (FT)		PROJECT NO.		
Delaware DOT Great Cypress Swamp Wetland Mitigation Bank				JG-1317		
DRILLING CONTRACTOR		DATE STARTED		DATE FINISHED		
Walton Corporation		4/9/98		4/9/98		
DRILLING EQUIPMENT		COMPLETION DEPTH		ROCK DEPTH		
Truck mounted drill rig		15'				
TYPE BIT		NO. SAMP.		UNDIST.		
Auger (hollow stem)						
CASING		GW DATA		FIRST		
No Casing						
CASING HAMM.		TIME		COMPL.		
SAMPLER		WATER LEVEL (FT.)		HR.		
1						
SAMPLER HAMMER		BORING		B5 (Single Peizometer)		
140 lb		LOCATION				
BLOWS		INSPECTOR		Ruwan Rajapakse/Tim Burke		
ON CASING	DEPTH FT.	SIZE & TYPE OF CORE BARREL		DESCRIPTION	LOG	REMARKS
		WEIGHT	DROP			
		2" split spoon	30 inches			
		SAMPLES		DESCRIPTION	LOG	REMARKS
		PENETR. RESIST. BL/6 IN.	REC. IN. NO.			
	1	1	S1	Brown SAND and Silt		Topsoil
	2	2	21	Organic black SILT and fine Sand	9"	
	2	2	0'-2'	Brown SILT and fine Sand	1'2"	
	4	4				
	3	9	S2	Brown SAND and Silt, trace Clay		
	10	10	16	Tan fine SAND, some Silt		
	13	13	2'-4'			
	15	15				
	7	7	S3	Light brown fine SAND, little Silt		
	9	9	18	1" thick layers of SILT, same color mixed with the Sand		
	15	15	4'-6'			
	23	23				
	10	10	S4	Light rown Sand, some Silt	7'2"	
	12	12	24			
	24	24	6'-8'	Light brown Silty CLAY and fine Sand		
	39	39		Light brown SAND some Silt		
	10	10	S5			
	13	13	24			
	12	12	8'-10'			
	17	17				
	4	4	S6			
	9	9	19	Light brown Silty CLAY		
	5	5	S7			
	4	4	11'-12'			
	1	1	S8	Light brown CLAY, some Silt		
	3	3	19			
	2	2	12'-14'	Light gray CLAY, some Silt		
	5	5				
	15	15	S9	Gray fine SAND, little Clay		
			14'-15'			