

STATE OF DELAWARE  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

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

BORING NO. B # 20

R912-01

PROGRESS NO.	DEPTH	SAMPLE BLOWS/6"	SAMPLE DESCRIPTION	CLASS/G.I.	REMARKS
4/14/98 1	0.0'	1	Wet loose brown fine sand w/some coarse sand, trace of silt and organic matter.	A-3 (0)	Water @ 1.5'
		3			
		2			
	2.0'	2			
			12" Recovery		
2	2.0'	2	Saturated very loose brown fine sand w/some coarse sand and organic matter, trace of silt.	A-3 (0)	
		2			
		1			
	4.0'	2			
			4" Recovery		
3	4.0'	2	Saturated loose brown silty fine sand w/some coarse sand, trace of organic matter. (11" Spl)	A-2-4 (0)	
		4			
4	6.0'	7	Saturated medium dense brown fine sand w/some silt and coarse sand. (9" Sample)	A-2-4 (0)	
		8			
			20" Recovery		
5	6.0'	4	Saturated medium dense gray fine sand w/some coarse sand, trace of silt.	A-3 (0)	
		9			
		11			
	8.0'	10			
			15" Recovery		
6	8.0'	2	Saturated medium dense gray silty fine sand w/trace of coarse sand.	A-2-4 (0)	
		4			
		12			
	10.0'	14			
			21" Recovery		
7	10.0'	1	Saturated soft brown silt w/some organic matter, trace of fine sand.	A-4 (1)	
		1			
		3			
	12.0'	4			
			20" Recovery		
8	12.0'	1	Saturated soft brown organic fine sandy silt w/trace of coarse sand.	A-4 (0)	
		1			
		2			
	14.0'	2			
			22" Recovery		

BORING NO. B # 20  
SURFACE ELEV.

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

Rg 12-01

BORING NO. B # 20

PROGRESS NO.	DAILY	SAMPLE	DEPTH	BLOWS/6"	SAMPLE DESCRIPTION	CLASS/G.I.	REMARKS
4/14/98	9	14.0'	2		Saturated very loose brown organic silty	A-2-4	(0)
		15.0'	2		fine sand w/trace of coarse sand.		

11" Recovery

( END )

BORING NO. B # 20  
SURFACE ELEV.

# LOUIS BERGER & ASSOCIATES, INC.

ENGINEERS, ECONOMISTS, PLANNERS

**LOG OF BORING**      **B20**      **R<sub>g</sub>12-01**      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		4/14/98		4/14/98					
DRILLING EQUIPMENT		COMPLETION DEPTH		ROCK DEPTH					
Truck mounted drill rig		15'		UNDIST.					
TYPE BIT		NO. SAMP. -		DIST.					
Auger (hollow stem)		2" split spoon		FIRST					
CASING		SIZE & TYPE OF CORE BARREL		COMPL.					
No Casing		2" split spoon		3:10PM					
CASING HAMM.		WEIGHT		WATER LEVEL (FT.)					
		1		1.5'					
SAMPLER		DROP		BORING					
1		30 inches		B20 (Dual)					
SAMPLER HAMMER		WEIGHT		LOCATION					
		140 lb		Ruwan Rajapakse/Tim Burke					
BLOWS ON CASING		DEPTH FT.		DESCRIPTION		LOG		REMARKS	
				SAMPLES					
				PENETR. RESIST. BL/6 IN.		REC. IN. NO.			
		1				S1		6"	
1		3		12		6'-2'		Brown SILT and fine Sand	
2		2		2				Light brown SAND, little Silt	
3		2		2		S2		Dark brown Clayey SILT and m-f SAND	
4		1		2		2'-4'			
5		2		2		S3			
6		4		20		4'-5'			
7		7		7		S4		5'3"	
8		8		8		5'-6'		Gray CLAY, some m-f Sand	
9		4		4				Light brown m-f SAND, trace Silt	
10		9		15		S5			
11		11		11		6'-8'			
12		10		10					
13		2		2		S6		gray m-f SAND, some Silt	
14		9		21		8'-10'			
15		12		12					
		14		14					
		1		1		S7		Gray Clayey SILT	
		1		1		10'-12'			
		3		3					
		4		4					
		1		1		S8		Brown Clayey SILT	
		1		1		12'-14'			
		2		2					
		2		2					
		2		2					
		2		2		12			