

STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PAGE 2 OF 3

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

BORING NO. B # 19

Rg 13-04

DAILY PROGRESS NO.	SAMPLE DEPTH	BLOWS/6"	SAMPLE DESCRIPTION	CLASS/G.I.	REMARKS
4/17/98 1	0.0'	2	Wet stiff brown fine sandy silt w/some coarse sand and organic matter.	A-4 (0)	
	2.0'	7			
18" Recovery					
2	2.0'	11	No Sieve Analysis - Indication of wet medium dense brown fine sand w/some silt.		
	4.0'	15			
	4.0'	14			
20" Recovery					
3	4.0'	9	Saturated loose brown fine sand w/some silt, trace of coarse sand.	A-2-4 (0)	Water @ 5.0'
	6.0'	3			
	6.0'	11			
22" Recovery					
4	6.0'	9	Wet loose gray fine sand w/some silt, trace of coarse sand.	A-2-4 (0)	
	8.0'	3			
	8.0'	11			
22" Recovery					
5	8.0'	2	Saturated medium dense gray fine sand w/some silt, trace of coarse sand.	A-2-4 (0)	
	10.0'	13			
	10.0'	15			
19" Recovery					
6	10.0'	3	Wet medium dense gray fine sand w/some silt, trace of coarse sand.	A-2-4 (0)	
	12.0'	8			
	12.0'	13			
	12.0'	14			
18" Recovery					
7	12.0'	1	Saturated loose gray fine sand w/trace of coarse sand and silt. (10" Sample)	A-3 (0)	
	14.0'	5			
8	14.0'	2	Saturated firm gray fine sandy silt w/trace of coarse sand and organic matter. (9" Sample)	A-4 (0)	
		6			
					19" Recovery

BORING NO. B # 19
SURFACE ELEV.

STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PAGE 3 OF 3

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

BORING NO. B # 19

Rg 13-04

PROGRESS NO.	DAILY	SAMPLE DEPTH	BLOWS/6"	SAMPLE DESCRIPTION	CLASS/G.I.	REMARKS
9	4/17/98	14.0'	2	Saturated soft gray silt w/some fine sand,	A-4	(0)
		15.0'	1	trace of coarse sand and organic matter.		

6" Recovery

(END)

BORING NO. B # 19
SURFACE ELEV.

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

LOG OF BORING B19 Rg 13-04

SHEET 1 OF

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		SIZE & TYPE OF CORE BARREL		FIRST							
Auger (hollow stem)		2" split spoon		11:50AM							
CASING HAMM.		WEIGHT		WATER LEVEL (FT.)							
No Casing				5'							
SAMPLER		DROP		BORING							
1		30 inches		B19 (Dual)							
SAMPLER HAMMER		WEIGHT		LOCATION							
1-40 lb				Ruwan Rajapakse/Tim Burke							
BLOWS ON CASING		DEPTH FT.		DESCRIPTION		LOG		REMARK			
				SAMPLES							
				PENETR. RESIST. BL/6 IN.		REC. TYPE IN. NO.					
1		2		4		17 S1		Brown fine SAND and Silt		5"	
2		7		7		5'-2'		Black organic SILT, little fine Sand			
3		11		11		15 S2		Gray Silty CLAY, little fine Sand			
4		15		14		2'-4'		Light gray m-f SAND, trace Silt			
5		9		6		S3					
6		6		3		4'-6'					
7		11		5				Light brown CLAY, little Silt		5'11"	
8		8		8		17 S4		Light brown m-f SAND, trace Silt		6'	
9		10		14		6'-8'		Gray m-f SAND, little Silt			
10		2		5		24 S5					
11		13		13		8'-10'		Gray CLAY, little Silt			
12		15		14		10'-12'		Gray m-f SAND, little Silt		9'3"	
13		3		1		S7					
14		10		2		12'-13'		Light brown Clayey SILT, little m-f Sand		12'8"	
15		3		6		S8					
		2		2		13'-14'					
		6		2		S9					
		1		1		14'-15'					
		5		1							
		1								Groundwater at 5'	