

STATE OF DELAWARE  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

BORING NO. B # 16

CONTRACT: 97-200-13 CYPRESS SWAMP

BORING LOCATION:

Rg13-02

DAILY	SAMPLE		BLOWS/6"	SAMPLE DESCRIPTION	CLASS/G.I.	REMARKS
PROGRESS	NO.	DEPTH				
4/13/98	1	0.0'	1	Saturated soft brown fine sandy silt	A-4 (0)	
			1	w/some organic matter, trace of coarse		
			1	sand and clay.		
		2.0'	3			
20" Recovery						
	2	2.0'	4	Wet medium dense brown fine sand w/trace	A-3 (0)	Water @ 2.2'
			7	of coarse sand and silt.		
			7			
		4.0'	7			
16" Recovery						
	3	4.0'	1	Saturated medium dense brown silty fine	A-2-4 (0)	
			4	sand w/trace of coarse sand.		
			7			
		6.0'	10			
24" Recovery						
	4	6.0'	5	Wet very stiff gray silt w/trace of	A-4 (0)	
			6	fine to coarse sand.		
			13			
		8.0'	14			
18" Recovery						
	5	8.0'	5	Saturated loose gray fine sand w/some	A-3 (0)	
			4	coarse sand, trace of silt and organic		
			1	matter.		
		10.0'	3			
13" Recovery						
	6	10.0'	W/H	Saturated firm grayish brown organic silt	A-4 (2)	
			3	w/some fine sand, trace of coarse sand.		
			3			
		12.0'	3			
18" Recovery						
	7	12.0'	W/H	Saturated soft brown organic fine sandy	A-4 (0)	
			2	silt w/trace of coarse sand.		
			1			
		14.0'	3			
20" Recovery						

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DAILY	SAMPLE					
PROGRESS	NO.	DEPTH	BLOWS/6"	SAMPLE DESCRIPTION	CLASS/G. I.	REMARKS
4/13/98	8	14.0'	5	Saturated medium dense brown silty fine	A-2-4 (0)	
		15.0'	7	sand w/trace of coarse sand and organic matter.		
10" Recovery						
( END )						

BORING NO. B # 16  
SURFACE ELEV.

# LOUIS BERGER & ASSOCIATES, INC.

ENGINEERS, ECONOMISTS, PLANNERS

## LOG OF BORING B16 Rg 13-02 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 4/13/98		DATE FINISHED 4/13/98	
DRILLING EQUIPMENT Truck mounted drill rig				COMPLETION DEPTH 15'		ROCK DEPTH	
TYPE BIT Auger (hollow stem)		SIZE & TYPE OF CORE BARREL 2" split spoon		GW DATA		FIRST	COMPL.
CASING No Casing				TIME		4:30PM	HR.
CASING HAMM.		WEIGHT		DROP		WATER LEVEL (FT.)	
SAMPLER 1				BORING B16 (Dual)		2.2'	
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.			
	1	1	20	S1 0'-2'	Brown SILT and fine Sand	8"	Topsoil
	2	1			Black CLAY (organic)		
	3	3					
	4	4					
	5	7	18	S2 2'-4'	Light gray m-f SAND, little Silt	2'8"	
	6	7					
	7	7					
	8	10	24	S3 4'-6'	Gray CLAY, trace fine Sand		
	9	5			Light gray m-f SAND, trace Silt		
	10	6	18	S4 6'-8'	Light gray m-f SAND, some Silt		
	11	13					
	12	14					
	13	5	12	S5 8'-10'	Light brown Silty CLAY, trace fine Sand		
	14	4					
	15	1					
	16	3					
	17	3					
	18	3					
	19	WOH			Gray to brown CLAY, some Silt		
	20	3					
	21	3					
	22	WOH			Dark brown Silty CLAY, some Silt, little fine Sand		
	23	2	22	S7 12'-14'			
	24	1					
	25	3					
	26	5					
	27	7	10	S8 14'-15'	Gray fine SAND and Silt		