

BORING LOG PBJ-05

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: Mainline, Peat Area J, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 685.64 ft
 North: 1611813.84 ft
 East: 1115319.16 ft
 Station: 310+11.42
 Offset: 16.84 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)
684.4	14-inch thick ASPHALT --PAVEMENT--						680.1	Medium stiff, gray SANDY CLAY	11			0.50	30
684.4	4-inch thick CRUSHED STONE --BASE COURSE--		1	10	4.50	13	658.1	Boring terminated at 27.50 ft					
684.4	Very stiff to hard, brown SILTY CLAY LOAM, little gravel --FILL--		2	7	3.75	18							
			3	5	4.50	22							
			4	6	4.50	14							
			5	9	3.75	24							
673.9	Loose to very dense CRUSHED STONE (stone size up to 5-inch) --FILL--		6	15	NP	11							
			7	18	NP	3							
			8	14	NP	5							
			9	6	NP	5							
			10	6	NP	5							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-14-2010	Complete Drilling	10-14-2010	While Drilling	▽	13.40 ft	
Drilling Contractor	K&S	Drill Rig	D-50 TMR	At Completion of Drilling	▽	14.00 ft	
Driller	T&M	Logger	B. Wilson	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	▽	NA			
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

BORING LOG PBJ-06

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: Mainline, Peat Area J, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 673.56 ft
 North: 1811842.48 ft
 East: 1115363.44 ft
 Station: 310+39.54
 Offset: 61.45 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)
672.8	8-inch thick Black SILTY CLAY LOAM --TOPSOIL--		1	20	2.50	14							
671.6	Very stiff, brown SILTY CLAY, some gravel --FILL--		2	12	NP	12							
	Medium dense, black gravelLY LOAM --FILL--		3	8	NP	8							
668.1	Loose to medium dense, gray CRUSHED STONE (stone size up to 5-inch) --FILL--		4	12	NP	7							
			5	8	NP	9							
			6	4	NP	14							
			7	4	NP	26							
658.1	Soft, black and gray SILTY CLAY LOAM, organic traces		8	0	0.25	37							
	-L _c (%)=50, P _c (%)=23- -%Gravel=0.3- -%Sand=8.9- -%Silt=67.9-20- -%Clay=22.9- -A-7-6 (30)-		9	0	0.25	47							
653.1	Loose, black and gray SANDY gravel		10	0	NP	14							
650.6	Stiff, brown SILTY CLAY		11	3	1.80	19							
648.6	Boring terminated at 25.00 ft		12	4	B								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-15-2010	Complete Drilling	10-15-2010	While Drilling	▽	3.00 ft	
Drilling Contractor	WTS	Drill Rig	D 50 ATV	At Completion of Drilling	▽	3.00 ft	
Driller	K&K	Logger	C. Davis	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	▽	NA			
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

BORING LOG PBJ-07

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: Mainline, Peat Area J, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 686.53 ft
 North: 1811898.82 ft
 East: 1115322.67 ft
 Station: 310+96.35
 Offset: 21.36 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)
685.5	12-inch thick ASPHALT --PAVEMENT--						681.0	Stiff, gray LOAM, trace gravel	11			1.50	19
685.5	Very stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel --FILL--		1	4	4.50	18	659.0	Boring terminated at 27.50 ft					
			2	5	3.50	21							
			3	5	3.75	15							
			4	4	3.50	20							
			5	6	4.00	16							
			6	12	NP	8							
			7	3	NP	8							
			8	4	NP	10							
			9	3	NP	18							
			10	4	NP	18							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-15-2010	Complete Drilling	10-15-2010	While Drilling	▽	16.00 ft	
Drilling Contractor	K&S	Drill Rig	D-50 TMR	At Completion of Drilling	▽	13.00 ft	
Driller	T&M	Logger	B. Wilson	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	▽	NA			
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					