

BORING LOG PBJ-02

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: 684.97 ft
 North: 1611670.13 ft
 East: 1115318.99 ft
 Station: 308+67.73
 Offset: 14.95 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
884.0	12-inch thick ASPHALT --PAVEMENT--						884.0	Very stiff, gray SILTY CLAY, trace gravel					
883.5	6-inch thick CRUSHED STONE --BASE COURSE--		1	8 8 8	4.50	16	883.5	--WET--		10	8 8 8	3.50	19
	Very stiff to hard, brown SILTY CLAY LOAM, trace to little gravel --FILL--		2	6 6 7	3.50	21		Boring terminated at 27.50 ft					
			3	3 4 8	3.00	14							
			4	4 8 9	4.50	17							
874.5	Medium dense to dense CRUSHED STONE (stone size up to 5-inch) --FILL--		5	10 10 12	NP	8							
			6	16 13 15	NP	8							
			7	14 11 15	NP	6							
			8	15 19 24	NP	10							
			9	10 8 8	NP								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-14-2010	Complete Drilling	10-14-2010	While Drilling	▽	13.50 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-03

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: 673.01 ft
 North: 1811730.01 ft
 East: 1115367.26 ft
 Station: 309+27.03
 Offset: 63.94 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
882.0	12-inch thick brown SILTY CLAY LOAM --TOPSOIL--		1	6 7 9	NP	2	882.0	Very soft to soft, black and gray, organic SILTY CLAY		6	0 0 0	0.25	70
	Medium dense, gray CRUSHED STONE (stone size up to 5-inch) --FILL--		2	10 9 7	NP	4				7	0 0 0	0.25	47
			3	11 10 8	NP	5				8	1 3 3	NP	17
			4	9 8 8	NP	7				9	1 1 3	NP	24
			5	7 8 14	NP	4				10	3 7 7	2.87	20
			10	10 10 10	NP					11	2 7 10	2.62	19
882.5	Very soft to soft, black and gray, organic SILTY CLAY		6	0 0 0	0.25	70							
882.5	Loose, black coarse SAND		7	0 0 0	0.25	47							
883.5	Medium stiff, black and gray, inorganic SILTY CLAY (Qu=0.75 tsf)		8	1 3 3	NP	17							
883.5	Very stiff, brown SILTY CLAY		9	1 1 3	NP	24							
848.0	Boring terminated at 25.00 ft		10	3 7 7	2.87	20							
			11	2 7 10	2.62	19							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-18-2010	Complete Drilling	10-18-2010	While Drilling	▽	2.50 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-04

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: 685.01 ft
 North: 1811731.16 ft
 East: 1115321.51 ft
 Station: 309+28.72
 Offset: 18.21 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
884.0	12-inch thick ASPHALT --PAVEMENT--						884.0	Very stiff, gray SILTY CLAY, trace gravel					
883.5	4-inch thick CRUSHED STONE --BASE COURSE--		1	8 8 8	4.50	16	883.5	Boring terminated at 27.50 ft		11	3 4 6	2.50	18
	Very stiff to hard, brown SILTY CLAY LOAM, trace gravel --FILL--		2	8 6 8	3.75	19							
			3	4 6 8	4.50	17							
			4	4 5 8	4.50	16							
			5	13 10 15	4.50	15							
873.5	Medium dense to dense, gray CRUSHED STONE (stone size up to 5-inch) --FILL--		6	10 11 15	NP	4							
			7	13 15 19	NP	6							
			8	7 8 18	NP	5							
			9	9 3 14	0.25	27							
			10	13 14 12	NP	6							
	--Soft, black organic SILTY CLAY in the CRUSHED STONE--												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-14-2010	Complete Drilling	10-14-2010	While Drilling	▽	13.50 ft	
Drilling Contractor	K&S	Drill Rig	D-50 TMR	At Completion of Drilling	▽	13.50 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.					