

BORING LOG 3SW-3B-1

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: Ret. Wall 1, Cook Co., IL

Datum: NGVD
 Elevation: 594.96 ft
 North: 1812231.54 ft
 East: 1115266.08 ft
 Station: 314+29.72
 Offset: 31.27 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
684.0	12-inch thick ASPHALT --PAVEMENT--												
683.5	6-inch thick CRUSHED STONE --BASE COURSE--												
	Very stiff to hard, brown CLAY LOAM, little gravel												
	--FILL--												
687.0	Very stiff to hard, brown to gray SILTY CLAY, little gravel --L _c (%)=37, P _c (%)=18-- --%Gravel=0.6-- --%Sand=9.7-- --%Silt=56.1-- --%Clay=33.6-- --A-6 (17)--	1	50	4.50	18								
		2	4	4.50	16								
		3	3	2.54	17								
		4	21	2.00	16								
		5	19	4.25	14								
		6	8	4.02	16								
679.5	Medium stiff, gray SILT	15											
678.2	Very stiff, gray SILTY CLAY LOAM to SILTY LOAM, little to some gravel	7	15	2.05	14								
		8	10	2.00	13								
	--HARD DRILLING-- --PEBBLY--	9		NA									
671.4	Boring terminated at 24.00 ft	10		50/2									

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-11-2010	Complete Drilling	10-11-2010	While Drilling	▼	DRY	
Drilling Contractor	K&S	Drill Rig	D-50 TMR	At Completion of Drilling	▼	DRY	
Driller	T&M	Logger	C. Marin	Time After Drilling	NA		
Checked by	A. Kurnia	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 3SW-3B-2

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: Ret. Wall 1, Cook Co., IL

Datum: NGVD
 Elevation: 692.17 ft
 North: 1812344.08 ft
 East: 1115220.72 ft
 Station: 315+42.80
 Offset: 75.29 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
691.3	10-inch thick, dark brown LOAM --TOPSOIL--												
	Stiff to very stiff, brown SILTY CLAY, trace roots												
	--L _c (%)=51, P _c (%)=19-- --%Gravel=0.6-- --%Sand=10.5-- --%Silt=53.0-- --%Clay=35.9-- --A-7-6 (30)--	1	4	3.50	22								
		2	3	1.64	23								
		3	3	2.87	15								
	Stiff to very stiff, brown to gray SILTY CLAY LOAM, trace to little gravel	4	4	2.46	16								
		5	5	2.87	17								
	--L _c (%)=31, P _c (%)=17-- --%Gravel=4.0-- --%Sand=19.7-- --%Silt=54.8-- --%Clay=21.5-- --A-6 (9)--	6	4	2.46	16								
		7	3	2.38	16								
		8	3	2.38	15								
		9	4	1.89	16								
		10	4	1.56	24								
687.9	Medium dense, gray SAND	25											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-08-2010	Complete Drilling	10-08-2010	While Drilling	▼	23.50 ft	
Drilling Contractor	K&S	Drill Rig	D-50 TMR	At Completion of Drilling	▼	21.00 ft	
Driller	T&M	Logger	C. Marin	Time After Drilling	NA		
Checked by	A. Kurnia	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 3SW-3B-3

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: Ret. Wall 1, Cook Co., IL

Datum: NGVD
 Elevation: 694.39 ft
 North: 1812440.58 ft
 East: 1115222.34 ft
 Station: 316+37.98
 Offset: 73.22 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
684.1	14-inch thick, dark brown LOAM --TOPSOIL--												
	Very stiff, brown SILTY CLAY LOAM to SILTY LOAM, trace gravel												
		1	4	3.50	20								
		2	7	3.53	15								
		3	3	2.53	16								
		4	2	NP	19								
685.6	Medium dense, brown SANDY LOAM, little gravel	10											
683.9	Very stiff, brown to gray SILTY CLAY, trace gravel	5											
		6	3	4.02	18								
679.7	Medium dense, gray SANDY LOAM	15											
678.6	Very stiff, gray SILTY CLAY LOAM, trace gravel	7											
		8	3	2.00	15								
		9	3	2.38	15								
		10	15	3.28	17								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-08-2010	Complete Drilling	10-08-2010	While Drilling	▼	10.50 ft	
Drilling Contractor	K&S	Drill Rig	D-50 TMR	At Completion of Drilling	▼	DRY	
Driller	T&M	Logger	C. Marin	Time After Drilling	NA		
Checked by	A. Kurnia	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.			

Note:
 For retaining wall key plan see sheet 1.
 For typical wall details see sheet 2.
 See individual wall sheets for boring locations.