

**BORING LOG 3SW-3B-4**

WEI Job No.: 201-40-01

Client: **McDonough Associates Inc.**  
 Project: **US 45, Segment 3**  
 Location: **RW1, Cook Co., IL**

Datum: NGVD  
 Elevation: 592.00 ft  
 North: 1812215.15 ft  
 East: 1115224.10 ft  
 Station: 314+13.86  
 Offset: 73.44 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	3-inch thick, brown SILTY CLAY LOAM --TOPSOIL-- Hard, brown and gray SILTY CLAY LOAM, little gravel	0-10	1	10 13 13	4.50 P	13							
		10-15	2	7 12 14	4.50 P	17							
		15-20	3	6 9 12	4.50 P	14							
		20-25	4	4 8 8	4.92 P	13							
		25-30	5	8 9 13	5.99 P	18							
678.3	Medium dense, brown and gray SILT	30-35	6	6 6 4	NP	18							
676.5	Stiff, gray SILTY CLAY LOAM, little gravel	35-40	7	3 4 13	1.48 P	9							
674.8	Medium dense, gray SANDY LOAM, trace gravel --DRY--	40-45	8	10 10 12	NP	11							
672.0	Boring terminated at 20.00 ft	45-50											

**GENERAL NOTES**

Begin Drilling: **09-22-2011** Complete Drilling: **09-22-2011**  
 Drilling Contractor: **WTS** Drill Rig: **D-50 TMR**  
 Driller: **K&K** Logger: **B. Wilson** Checked by: **C. Marin**  
 Drilling Method: **3.25" IDA HSA; Boring backfilled upon completion.**

**WATER LEVEL DATA**

While Drilling: **13.75 ft**  
 At Completion of Drilling: **DRY**  
 Time After Drilling: **NA**  
 Depth to Water: **NA**

**BORING LOG SGB-087**

WEI Job No.: 201-40-01

Client: **McDonough Associates Inc.**  
 Project: **US 45, Segment 3**  
 Location: **Mainline, Cook Co., IL**

Datum: NGVD  
 Elevation: 700.74 ft  
 North: 1812531.76 ft  
 East: 1115239.93 ft  
 Station: 317+29.11  
 Offset: 76.16 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 (%)
700.7	6-inch thick black LOAM --TOPSOIL-- Loose, brown gravelly SANDY LOAM	0-1	1	8 8 8	NP	8							
697.7	--FILL-- Very stiff to hard, brown SILTY CLAY --L <sub>c</sub> (%)=35, P <sub>c</sub> (%)=18-- --%Gravel=0.9-- --%Sand=15.1-- --%Silt=52.6-- --%Clay=31.4-- --A-6 (13)--	1-5	2	10 10 10	NP	14							
		5-10	3	4 4 4	2.50 P	22							
		10-15	4	3 4 4	2.50 P	22							
		15-20	5	4 7 10	4.50 P	19							
690.7	Boring terminated at 10.00 ft	20-25											

**GENERAL NOTES**

Begin Drilling: **07-26-2010** Complete Drilling: **07-26-2010**  
 Drilling Contractor: **WTS** Drill Rig: **B-57 TMR**  
 Driller: **K&J** Logger: **F. Bozga** Checked by: **C. Marin**  
 Drilling Method: **2.25" SSA; Boring backfilled upon completion.**

**WATER LEVEL DATA**

While Drilling: **DRY**  
 At Completion of Drilling: **DRY**  
 Time After Drilling: **NA**  
 Depth to Water: **NA**

**BORING LOG SGB-091**

WEI Job No.: 201-40-01

Client: **McDonough Associates Inc.**  
 Project: **US 45, Segment 3**  
 Location: **Mainline, Cook Co., IL**

Datum: NGVD  
 Elevation: 706.65 ft  
 North: 1814108.49 ft  
 East: 1115257.99 ft  
 Station: 333+07.51  
 Offset: 38.4 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 (%)
706.7	6-inch thick black LOAM --TOPSOIL-- Stiff to hard, brown to dark brown CLAY LOAM, trace gravel	0-1	1	5 5 5	4.50 P	13							
	--FILL--	1-2	2	3 3 5	2.75 P	21							
		2-3	3	3 4 6	1.75 P	18							
		3-4	4	7 7 8	NR								
		4-5	5	9 11 14	4.00 P	21							
696.7	Boring terminated at 10.00 ft	5-10											

**GENERAL NOTES**

Begin Drilling: **07-23-2010** Complete Drilling: **07-23-2010**  
 Drilling Contractor: **WTS** Drill Rig: **B-57 TMR**  
 Driller: **K&J** Logger: **F. Bozga** Checked by: **C. Marin**  
 Drilling Method: **2.25" SSA; Boring backfilled upon completion.**

**WATER LEVEL DATA**

While Drilling: **DRY**  
 At Completion of Drilling: **DRY**  
 Time After Drilling: **NA**  
 Depth to Water: **NA**

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