

BORING LOG RWB-47

WEI Job No.: 201-40-01

Client: **McDonough Associates Inc.**
 Project: **US 45, Segment 2**
 Location: **Ret. Wall RW-8, Cook Co., T36N, R12E**

Datum: NGVD
 Elevation: 714.22 ft
 North: 1803825.39 ft
 East: 1115388.38 ft
 Station: 230+23.49
 Offset: 61.21 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
713.94	12-inch thick, ASPHALT --PAVEMENT--	0											
713.3	8-inch thick, CRUSHED STONE --BASE COURSE--	1	1	10	NP	15							
711.9	Loose, gray LOAM, trace gravel --FILL--	2	2	10	5.00	15							
	Stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel	3	3	10	1.15	16							
		4	4	10	3.44	15							
		5	5	10	1.72	13							
		6	6	10	2.38	13							
699.2	Boring terminated at 15.00 ft	15											

GENERAL NOTES

Begin Drilling: **04-20-2011** Complete Drilling: **04-20-2011**
 Drilling Contractor: **WTS** Drill Rig: **B-57 TMR**
 Driller: **K&R** Logger: **B. Wilson** Checked by: **CLM**
 Drilling Method: **3.25" IDA HSA; Boring backfilled upon completion.**

WATER LEVEL DATA

While Drilling: **DRY**
 At Completion of Drilling: **DRY**
 Time After Drilling: **NA**
 Depth to Water: **NA**
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG RWB-48

WEI Job No.: 201-40-01

Client: **McDonough Associates Inc.**
 Project: **US 45, Segment 2**
 Location: **Ret. Wall RW-9, Cook Co., T36N, R12E**

Datum: NGVD
 Elevation: 714.92 ft
 North: 1805054.89 ft
 East: 1115348.35 ft
 Station: 242+53.64
 Offset: 59.37 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
714.64	12-inch thick, ASPHALT --PAVEMENT--	0											
713.2	10-inch thick, CRUSHED STONE --BASE COURSE--	1	1	10	2.25	29							
711.9	Very stiff, black SILTY CLAY --BURIED TOPSOIL--	2	2	10	0.74	30							
	Medium stiff to hard, brown and gray SILTY CLAY, trace gravel	3	3	10	3.69	21							
		4	4	10	5.25	20							
704.4	Loose, brown and gray SILTY LOAM, trace gravel	5	5	10	NP	15							
701.9	Medium stiff to very stiff, gray SILTY CLAY LOAM, trace gravel	6	6	10	0.57	16							
		7	7	10	1.07	12							
		8	8	10	3.03	12							
694.9	Boring terminated at 15.00 ft	15											

GENERAL NOTES

Begin Drilling: **04-20-2011** Complete Drilling: **04-20-2011**
 Drilling Contractor: **WTS** Drill Rig: **B-57 TMR**
 Driller: **K&R** Logger: **B. Wilson** Checked by: **CLM**
 Drilling Method: **3.25" IDA HSA; Boring backfilled upon completion.**

WATER LEVEL DATA

While Drilling: **DRY**
 At Completion of Drilling: **DRY**
 Time After Drilling: **NA**
 Depth to Water: **NA**
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG RWB-50

WEI Job No.: 201-40-01

Client: **McDonough Associates Inc.**
 Project: **US 45, Segment 2**
 Location: **Ret. Wall RW-10, Cook Co., T36N, R12E**

Datum: NGVD
 Elevation: 715.53 ft
 North: 1805187.80 ft
 East: 1115346.30 ft
 Station: 243+86.54
 Offset: 56.88 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
714.5	12-inch thick, ASPHALT --PAVEMENT--	0											
714.2	4-inch thick, CRUSHED STONE --BASE COURSE--	1	1	10	1.25	17							
	Stiff to very stiff, brown and gray SILTY CLAY LOAM, little to some gravel and debris	2	2	10	2.21	21							
	--FILL--	3	3	10	1.25	17							
710.0	Stiff, black organic SILTY CLAY --MUCK--	4	4	10	0.33	25							
707.5	Soft, gray SILTY CLAY, trace organics	5	5	10	0.82	25							
705.0	Medium stiff to very stiff, gray SILTY CLAY, trace gravel	6	6	10	1.56	24							
		7	7	10	2.30	20							
		8	8	10	3.28	25							
695.5	Boring terminated at 20.00 ft	20											

GENERAL NOTES

Begin Drilling: **04-20-2011** Complete Drilling: **04-20-2011**
 Drilling Contractor: **WTS** Drill Rig: **B-57 TMR**
 Driller: **K&R** Logger: **B. Wilson** Checked by: **CLM**
 Drilling Method: **3.25" IDA HSA; Boring backfilled upon completion.**

WATER LEVEL DATA

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