

**BORING LOG RWB-38**

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 2  
 Location: Ret. Wall RW-6, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 700.28 ft  
 North: 1802654.60 ft  
 East: 1115557.47 ft  
 Station: 218+47.62  
 Offset: 67.90 RT

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 (%)
700.03	10.3-inch thick ASPHALT -PAVEMENT-												
699.7	10-inch thick CRUSHED STONE -BASE COURSE-												
697.2	Stiff, brown and gray SILTY CLAY	1	1	4 4 4	1.75	23							
694.8	Very loose, brown and gray LOAM	2	2	NP		27							
694.8	Loose, brown SANDY LOAM	3	3	NP		19							
692.3	Stiff to hard, gray SILTY CLAY, trace gravel	4	4	4.02		20							
		5	5	1.56		13							
		6	6	1.97		15							
		7	7	1.97		12							
		8	8	1.56		14							
680.3	Boring terminated at 20.00 ft	20											

**GENERAL NOTES**

Begin Drilling: 04-13-2011 Complete Drilling: 04-13-2011  
 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

**BORING LOG RWB-39**

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 2  
 Location: Ret. Wall RW-26, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 706.67 ft  
 North: 1802963.88 ft  
 East: 1115561.47 ft  
 Station: 525+82.63  
 Offset: 48.46 RT

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 (%)
706.43	4.3-inch thick, brown SILTY CLAY -TOPSOIL-												
	Stiff to very stiff, brown and gray SILTY CLAY LOAM, little gravel -FILL-	1	1	2.50		15							
702.2	Medium stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel	2	2	1.50		28							
		3	3	5.00		18							
		4	4	4.43		14							
		5	5	0.66		14							
		6	6	2.13		14							
691.2	Soft, gray SILTY LOAM, trace gravel	7	7	0.25		14							
688.7	Stiff, gray SILTY CLAY LOAM, trace gravel	8	8	1.97		13							
686.2	Medium dense, gray SANDY GRAVEL	9	9	NP		7							
683.7	Stiff, gray SILTY CLAY LOAM	10	10	1.50		13							
681.7	Boring terminated at 25.00 ft	25											

**GENERAL NOTES**

Begin Drilling: 04-21-2011 Complete Drilling: 04-21-2011  
 Drilling Contractor: WTS Drill Rig: B-57 TMR  
 Driller: R&K 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

**BORING LOG RWB-40**

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 2  
 Location: Ret. Wall RW-7, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 710.25 ft  
 North: 1803101.69 ft  
 East: 1115417.70 ft  
 Station: 222+99.21  
 Offset: 56.55 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 (%)
709.85	5-inch thick, ASPHALT -PAVEMENT-												
709.4	5-inch thick, CRUSHED STONE -BASE COURSE-												
702.2	Stiff, brown and gray SILTY CLAY LOAM, little gravel -FILL-	1	1	1.75		19							
704.8	Stiff, black organic SILTY CLAY -BURIED TOPSOIL-	2	2	1.00		16							
702.3	Medium stiff, brown and gray SILTY CLAY	3	3	1.75		35							
		4	4	2.30		23							
		5	5	0.82		31							
697.3	Medium dense, brown SANDY LOAM, some gravel	6	6	NP		19							
695.3	Boring terminated at 15.00 ft	15											

**GENERAL NOTES**

Begin Drilling: 04-21-2011 Complete Drilling: 04-21-2011  
 Drilling Contractor: WTS Drill Rig: B-57 TMR  
 Driller: R&K 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

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