

BORING LOG RWB-16

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 2
 Location: Ret. Wall RW-1, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 687.20 ft
 North: 1798720.13 ft
 East: 1115547.82 ft
 Station: 179+15.77
 Offset: 75.73 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 (%)
688.94	64-inch thick ASPHALT --PAVEMENT--												
688.7	8-inch thick CRUSHED STONE --BASE COURSE--												
684.2	Medium dense, gravelly LOAM --FILL--	1	1	8-15	NP	14							
	Medium stiff to stiff, brown and gray SILTY CLAY LOAM, trace gravel --FILL--	2	2	10-15		15.6							
		3	3	10-15		0.98							
		4	4	10-15		0.50							
678.7	Medium stiff to stiff, brown and gray SILTY CLAY, trace gravel	5	5	10-15		0.82							
672.2	Boring terminated at 15.00 ft	6	6	10-15		1.80							

GENERAL NOTES

Begin Drilling: 04-22-2011 Complete Drilling: 04-22-2011
 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
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG RWB-17

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 2
 Location: Ret. Wall RW-1, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 686.89 ft
 North: 1798819.53 ft
 East: 1115555.70 ft
 Station: 180+14.84
 Offset: 64.46 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 (%)
686.64	64-inch thick ASPHALT --PAVEMENT--												
686.1	6-inch thick CRUSHED STONE --BASE COURSE--												
683.9	Loose, brown and gray gravelly LOAM --FILL--	1	1	10-15	NP	20							
	Medium stiff to very stiff, brown and gray SILTY CLAY LOAM, trace gravel --FILL--	2	2	10-15		2.54							
		3	3	10-15		0.74							
		4	4	10-15		0.57							
676.4	Medium stiff to stiff, brown and gray SILTY CLAY, trace gravel	5	5	10-15		0.82							
671.9	Boring terminated at 15.00 ft	6	6	10-15		1.31							

GENERAL NOTES

Begin Drilling: 04-22-2011 Complete Drilling: 04-22-2011
 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
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG RWB-20

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 2
 Location: Ret. Wall RW-3, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 694.05 ft
 North: 1799444.34 ft
 East: 1115548.70 ft
 Station: 186+39.54
 Offset: 50.19 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 (%)
683.83	3-inch thick, brown SILTY CLAY --TOPSOIL--												
	Very stiff, brown and gray SILTY CLAY, trace gravel	1	1	2-4	2.05	20							
		2	2	4-7		5.82							
		3	3	5-7		5.00							
686.1	Loose to medium dense, brown and gray, fine SAND --WET--	4	4	2-4	NP	20							
		5	5	3-4		NP							
681.1	Very stiff, gray SILTY CLAY, trace gravel	6	6	4-6		2.62							
		7	7	3-4		2.30							
676.1	Medium dense, gray, fine SAND	8	8	5-6		NP							
674.1	Boring terminated at 20.00 ft	9	9	5-6		NP							

GENERAL NOTES

Begin Drilling: 04-11-2011 Complete Drilling: 04-11-2011
 Drilling Contractor: WTS Drill Rig: D-50 ATV
 Driller: K&R Logger: B. Wilson Checked by: CLM
 Drilling Method: 3.25" IDA HSA; Boring backfilled upon completion.

WATER LEVEL DATA

While Drilling: 8.00 ft
 At Completion of Drilling: 10.00 ft
 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.