

BORING LOG 3RW5-B-2

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: RW5, Cook Co., IL

Datum: NGVD
 Elevation: 700.80 ft
 North: 1814168.68 ft
 East: 1115223.77 ft
 Station: 334+68.67
 Offset: 70.87 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 (%)
700.1	8-inch thick, dark brown SILTY CLAY --TOPSOIL--	0	1	6	0.41	24		--HARD DRILLING-- Cobbles	11	NA			
	Soft, brown and gray SILTY CLAY	1	2	6	0.41	33			12	50/2			
		2	3	6	0.41	33			13	5	7	3.20	10
695.3	Hard, brown and gray SILTY CLAY, trace gravel	3	4	7	5.00	18			14	5	13	2.38	14
		4	5	8	6.48	17			15	5	13	2.38	14
		5	6	8	6.15	20			16	5	13	2.38	14
		6	7	8	6.23	20			17	5	13	2.38	14
685.3	Medium dense, brown and gray SILT with clay and sand seams	7	8	5	NP	23			18	5	13	2.38	14
		8	9	4	1.80	15			19	4	7	4.02	18
682.8	Stiff to hard, gray SILTY CLAY LOAM, trace to little gravel	9	10	7	4.43	14			20	3	7	4.02	18
		10	11	4	1.97	13			21	3	7	4.02	18

GENERAL NOTES

Begin Drilling: 09-30-2011
 Complete Drilling: 09-30-2011
 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: 15.50 ft
 At Completion of Drilling: 25.00 ft
 Time After Drilling: NA
 Depth to Water: NA

BORING LOG 3RW5-B-3

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: RW5, Cook Co., IL

Datum: NGVD
 Elevation: 702.00 ft
 North: 1814243.61 ft
 East: 1115221.53 ft
 Station: 334+43.63
 Offset: 70.94 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 (%)
704.3	4.3-inch thick ASPHALT --PAVEMENT--	0	1	NR		21			11	4	6	3.12	16
701.3	9-inch thick, brown GRAVELLY SAND --BASE COURSE--	1	2	1	0.57	29			12	4	6	3.03	11
	Soft to medium stiff, brown CLAY LOAM, trace gravel --FILL--	2	3	1	0.25	29			13	10	9	4.59	17
694.6	Medium stiff, black CLAY LOAM --BURIED TOPSOIL--	3	4	2	0.50	35			14	4	6	2.62	14
691.5	Very stiff, brown and gray SILTY CLAY	4	5	3	3.36	24			15	4	6	2.62	14
		5	6	3	3.61	17			16	4	6	2.62	14
		6	7	4	7.46	19			17	3	6	4.02	18
686.5	Very stiff to hard, brown to gray SILTY CLAY to SILTY CLAY LOAM, trace to same gravel	7	8	7	4.67	18			18	3	6	4.02	18
		9	9	4	4.02	18			19	3	6	4.02	18
		10	10	3	4.02	18			20	3	6	4.02	18

GENERAL NOTES

Begin Drilling: 09-14-2011
 Complete Drilling: 09-14-2011
 Drilling Contractor: WTS
 Drill Rig: B-57 TMR
 Driller: R&P
 Logger: F. Bozga
 Checked by: C. Marin
 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 3RW6-B-1

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: RW6, Cook Co., IL

Datum: NGVD
 Elevation: 705.20 ft
 North: 1814282.87 ft
 East: 1115219.64 ft
 Station: 334+82.93
 Offset: 71.69 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 (%)
704.4	10-inch thick, black SILTY LOAM --TOPSOIL--	0	1	1	0.50	28			11	7	8	5.49	18
	Medium stiff to stiff, brown and gray CLAY	1	2	1	1.23	28			12	7	9	5.49	18
		2	3	4	3.61	16			13	3	6	4.02	18
699.7	Very stiff to hard, brown and gray SILTY CLAY, trace gravel	3	4	3	3.50	17			14	11	9	4.50	18
		4	5	11	4.50	18			15	4	8	7.38	18
		5	6	4	7.38	18			16	3	6	4.02	18
		6	7	3	4.02	18			17	3	6	4.02	18
687.8	Wet SAND	7	8	3	3.20	16			18	3	6	4.02	18
	Very stiff, gray SILTY CLAY, trace gravel	8	9	3	3.20	16			19	5	9	1.97	14
		9	10	5	1.72	11			20	5	8	1.72	11
684.7	Stiff, gray SILTY LOAM, trace gravel	10	11	5	1.72	11			21	5	8	1.72	11

GENERAL NOTES

Begin Drilling: 09-15-2011
 Complete Drilling: 09-15-2011
 Drilling Contractor: WTS
 Drill Rig: B-57 TMR
 Driller: R&P
 Logger: F. Bozga
 Checked by: C. Marin
 Drilling Method: 3.25" IDA HSA; Boring backfilled upon completion.

WATER LEVEL DATA

While Drilling: 17.50 ft
 At Completion of Drilling: 18.00 ft
 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.