

BORING LOG 3D-B-10

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: Ret. Wall 016-Z005, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 687.37 ft
 North: 1612057.98 ft
 East: 1115363.16 ft
 Station: 312+55.02
 Offset: 63.74 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)
886.0	16-inch thick, black SILTY CLAY LOAM --TOPSOIL-- Stiff to hard, brown to gray SILTY CLAY, trace gravel	0	1	6 4	5.66	22							
		5	2	10 3	1.72	19							
		10	3	6 8 10	5.33	16							
		15	4	7 5 9	3.85	17							
		20	5	5 5 10	4.92	17							
		25	6	4 7 10	4.10	18							
		30	7	4 4 5	2.13	15							
		35	8	2 4 6	2.30	17							
		40											
		45											
		50											

GENERAL NOTES

Begin Drilling: 10-15-2010
 Complete Drilling: 10-15-2010
 Drilling Contractor: WTS
 Drill Rig: D 50 ATV
 Driller: K&K
 Logger: C. Davis
 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

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

BORING LOG 3D-B-11

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: Ret. Wall 016-Z005, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 673.33 ft
 North: 1811388.13 ft
 East: 1115365.59 ft
 Station: 305+85.19
 Offset: 58.21 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)
872.1	15-inch thick, brown SILTY CLAY --FILL-- Loose to medium dense, gray CRUSHED STONE (stone size up to 5-inch)	0	1	10 8 15	NP								
		5	2	10 7 9	NP								
		10	3	7 7 10	NP	11							
		15	4	6 5 3	NR								
		20	5	2 1 2	NR								
		25	6	0 0 0	0.25	74							
		30	7	0 0 0	0.25	58							
		35	8	0 0 0	0.25	60							
		40	9	0 0 0	0.25	39							
		45	10	0 0 0	0.25	47							
		50											

GENERAL NOTES

Begin Drilling: 10-19-2010
 Complete Drilling: 10-19-2010
 Drilling Contractor: WTS
 Drill Rig: D 50 ATV
 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: 1.00 ft
 At Completion of Drilling: 2.00 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.

BORING LOG 3D-B-12

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: Ret. Wall 016-Z005, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 673.83 ft
 North: 1811527.77 ft
 East: 1115361.03 ft
 Station: 307+24.87
 Offset: 55.31 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)
873.2	8-inch thick, brown SILTY CLAY LOAM --TOPSOIL-- Loose to medium dense, gray CRUSHED STONE (stone size up to 5-inch)	0	1	14 9 11	NP	8							
		5	2	8 10 11	NP	12							
		10	3	10 10 10	NP	9							
		15	4	14 10 10	NP	7							
		20	5	5 5 5	NP	20							
		25	6	7 5 4	NP								
		30	7	0 0 0	0.25	29							
		35	8	0 0 3	0.25	45							
		40	9	3 5 6	1.39	16							
		45	10	3 5 5	1.23	17							
		50											

GENERAL NOTES

Begin Drilling: 10-18-2010
 Complete Drilling: 10-18-2010
 Drilling Contractor: WTS
 Drill Rig: D 50 ATV
 Driller: K&K
 Logger: C. Davis
 Checked by: C. Marin
 Drilling Method: 3.25" IDA HSA; Boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 3.00 ft
 At Completion of Drilling: 2.00 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.