

**BORING LOG 3D-B-07**

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: 674.04 ft  
 North: 1611790.49 ft  
 East: 115364.46 ft  
 Station: 309+87.54  
 Offset: 61.86 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)
872.3	14-inch thick, black and brown SILTY CLAY LOAM	0	1	NP	9	NP		848.5	Very stiff to hard, gray SILTY CLAY	0	11	NP	6	3.94	13
	Loose to medium dense, gray CRUSHED STONE (stone size up to 5-inch)	1	2	NP	5	NP				11	12	NP	4	4.24	19
		2	3	NP	9	NP				30					
		3	4	NP	7	NP									
		4	5	NP	6	NP	26								
		5	6	NP	6	NP	10								
		6	7	NP	0	0.33	37								
		7	8	NP	0	0.06	36								
		8	9	P	4	1.00	19								
		9	10	B	3	0.41	20								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-15-2010	Complete Drilling	10-15-2010	While Drilling	▽	1.50 ft	
Drilling Contractor	WTS	Drill Rig	D 50 ATV	At Completion of Drilling	▽	2.00 ft	
Driller	K&K	Logger	C. Davis	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	▽	NA			
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

**BORING LOG 3D-B-08**

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: 674.38 ft  
 North: 1811873.97 ft  
 East: 1115369.13 ft  
 Station: 310+70.95  
 Offset: 67.52 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)
871.9	Medium dense, SILTY CLAY LOAM	0	1	NR	13	NR	16	848.9	Stiff to very stiff, brown to gray SILTY CLAY	0	11	NP	3	1.64	19
	Medium dense CRUSHED STONE (stone size up to 5-inch)	1	2	NP	7	NP	11			11	12	NP	4	3.03	17
		2	3	NP	0	0.25	43			30					
		3	4	NP	0	0.49	68								
		4	5	NP	0	0.25	57								
		5	6	NP	0	0.33	59								
		6	7	NP	0	0.25	23								
		7	8	NP	0	0.25	37								
		8	9	NP	0	0.25	23								
		9	10	NP	0	0.41	26								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-15-2010	Complete Drilling	10-15-2010	While Drilling	▽	3.00 ft	
Drilling Contractor	WTS	Drill Rig	D 50 ATV	At Completion of Drilling	▽	2.00 ft	
Driller	K&K	Logger	C. Davis	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	▽	NA			
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

**BORING LOG 3D-B-09**

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: 681.68 ft  
 North: 1811959.26 ft  
 East: 1115360.43 ft  
 Station: 311+56.34  
 Offset: 59.84 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)
880.0	10-inch thick, dark brown SILTY CLAY LOAM	0	1	S	9	5.25	18								
	Stiff to hard, brown and gray SILTY CLAY LOAM	1	2	B	3	2.62	18								
		2	3	B	4	1.97	22								
		3	4	B	4	4.59	18								
		4	5	B	5	4.26	20								
		5	6	B	3	3.69	18								
		6	7	B	4	1.80	16								
		7	8	B	4	3.12	17								
		8	9	B	1	1.23	18								
		9	10	B	4	4.10	14								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-15-2010	Complete Drilling	10-15-2010	While Drilling	▽	DRY	
Drilling Contractor	WTS	Drill Rig	D 50 ATV	At Completion of Drilling	▽	21.00 ft	
Driller	K&K	Logger	C. Davis	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	▽	NA			
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					