

**Wang Engineering**  
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**BORING LOG 1RW6-B-1** Page 1 of 1

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 1  
 Location: Ret. Wall 6, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 715.00 ft  
 North: 1791310.27 ft  
 East: 1115977.72 ft  
 Station: 1C4+94.62  
 Offset: 80.50 RT

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 (%)
709.5	---POND BOTTOM--- Medium stiff to stiff, brown and gray CLAY	1	1	6 5 5	1.64	25	685.0		11	6 7 8	2.79	21	
		2	2	6 5 5	0.74	33			12	4 5 7	2.54	20	
	Stiff to hard, brown to gray SILTY CLAY, trace gravel	3	3	6 8 11	4.02	20			3	6 8 11	5.08	19	
		4	4	6 9 12	4.67	18			4	6 8 11	6.15	18	
		5	5	6 5 8	2.71	20			5	6 7 9	5.00	18	
		6	6	6 5 8	2.21	21			6	4 5 8	5.00	20	
		7	7	6 3 7	1.97	20			7	4 4 6	2.94	20	
		8	8	6 5 7	2.62	19			8	4 4 6	2.62	20	
		9	9	4 6 7	2.30	21			9	4 5 8	2.54	20	
		10	10	4 6 8	2.13	19			10	5 6 9	2.46	21	

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	09-15-2011	Complete Drilling	09-15-2011	While Drilling	NA
Drilling Contractor	WTS	Drill Rig	D-50 TMR	At Completion of Drilling	NA
Driller	K&K	Logger	B. Wilson	Checked by	C. Marin
Drilling Method	2.75" Rotary Bit; Boring backfilled upon completion.				
		Depth to Water	NA	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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**BORING LOG 1RW6-B-2** Page 1 of 1

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 1  
 Location: Ret. Wall 6, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 714.90 ft  
 North: 1791383.08 ft  
 East: 1115975.13 ft  
 Station: 105+67.47  
 Offset: 70.43 RT

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 (%)
684.9	714-55-inch thick, brown SILTY CLAY LOAM ---TOPSOIL--- Very stiff to hard, brown to gray SILTY CLAY, trace gravel	1	1	4 4 4	2.62	21	684.9		11	6 6 6	2.79	21	
		2	2	4 4 8	5.82	21			12	6 6 9	2.62	19	
		3	3	6 8 11	5.08	19			3	6 8 11	5.08	20	
		4	4	6 8 11	6.15	18			4	6 8 11	6.15	18	
		5	5	6 7 9	5.00	18			5	6 7 9	5.00	18	
		6	6	4 5 8	5.00	20			6	4 5 8	5.00	20	
		7	7	4 4 6	2.94	20			7	4 4 6	2.94	20	
		8	8	4 4 6	2.62	20			8	4 4 6	2.62	20	
		9	9	4 5 8	2.54	20			9	4 5 8	2.54	20	
		10	10	5 6 9	2.46	21			10	5 6 9	2.46	21	

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	09-19-2011	Complete Drilling	09-19-2011	While Drilling	DRY
Drilling Contractor	WTS	Drill Rig	D-50 TMR	At Completion of Drilling	DRY
Driller	K&K	Logger	B. Wilson	Checked by	C. Marin
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion.				
		Depth to Water	NA	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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**BORING LOG 1RW6-B-3** Page 1 of 1

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 1  
 Location: Ret. Wall 6, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 715.40 ft  
 North: 1791464.88 ft  
 East: 1115972.93 ft  
 Station: 106+49.32  
 Offset: 80.96 RT

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 (%)
685.4	215-14-inch thick, brown SILTY CLAY LOAM ---TOPSOIL--- Very stiff to hard, brown to gray SILTY CLAY, trace gravel	1	1	6 7 9	NR	21	685.4		11	3 5 5	2.05	20	
		2	2	6 7 10	6.72	19			12	3 5 5	2.46	20	
		3	3	6 9 12	5.08	20			3	6 9 12	5.08	20	
		4	4	4 6 9	4.92	19			4	4 6 9	4.92	19	
		5	5	5 5 9	3.28	19			5	5 5 9	3.28	19	
		6	6	4 6 8	3.20	18			6	4 6 8	3.20	18	
		7	7	4 5 6	2.95	19			7	4 5 6	2.95	19	
		8	8	3 4 7	2.13	20			8	3 4 7	2.13	20	
		9	9	3 4 8	2.54	20			9	3 4 8	2.54	20	
		10	10	3 3 8	3.20	20			10	3 3 8	3.20	20	

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	09-16-2011	Complete Drilling	09-16-2011	While Drilling	DRY
Drilling Contractor	WTS	Drill Rig	D-50 TMR	At Completion of Drilling	DRY
Driller	K&K	Logger	B. Wilson	Checked by	C. Marin
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion.				
		Depth to Water	NA	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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**URS**

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

FILE NAME = D:\60F05-SHT-BoringLog2.dgn	USER NAME = Anthony.Plutz	DESIGNED - WEI	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RETAINING WALL SOIL BORING LOGS</b>	F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED - JCE	REVISED -			330	103R-3	COOK	932	589	
		PLOT SCALE = 0:2.00 '1" / in.	REVISED -			CONTRACT NO. 60F05					
		PLOT DATE = 3/12/2013	REVISED -			ILLINOIS FED. AID PROJECT					