

**Wang Engineering**  
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**BORING LOG 1RW5-B-1** Page 1 of 1

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 1  
 Location: Ret. Wall 5, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 719.50 ft  
 North: 1790645.05 ft  
 East: 1115999.95 ft  
 Station: 96+29.03  
 Offset: 80.21 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 (%)
719.50	15-inch thick, brown SILTY CLAY --TOPSOIL-- Hard, brown and gray SILTY CLAY, trace gray	0-15	1	9 10 12	4.50	18	689.5		0	11	6 8 8	2.87	19
		15-30	2	6 7 9	6.23	18			5	12	6 9 9	2.46	20
		30-45	3	6 8 12	5.66	17			10	3	1 4 7	4.51	20
711.5	Medium dense, brown LOAM, trace gravel	45-50	4	4 4 7	NP	17			15	4	5 7 10	5.08	19
709.0	Very stiff, gray SILTY CLAY, trace gravel	50-55	5	4 6 8	3.69	18			20	5	7 10 11	4.84	18
		55-60	6	6 8 10	3.61	19			25	6	3 8 10	5.74	15
		60-65	7	6 8 10	2.54	22			30	7	3 7 9	3.77	19
		65-70	8	6 8 10	2.95	20			35	8	6 9 9	2.95	20
		70-75	9	6 8 10	2.46	21			40	9	4 7 10	3.28	22
		75-80	10	5 7 10	2.95	20			45	10	3 8 9	4.02	21

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-13-2011	Complete Drilling	09-13-2011	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	Time After Drilling	NA
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion			Depth to Water	▼	NA	

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**BORING LOG 1RW5-B-2** Page 1 of 1

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 1  
 Location: Ret. Wall 5, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 717.50 ft  
 North: 1790721.91 ft  
 East: 1115996.03 ft  
 Station: 99+05.98  
 Offset: 78.89 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 (%)
692.0	15-inch thick, brown SILTY CLAY LOAM --TOPSOIL-- Stiff to hard, brown and gray SILTY CLAY, trace gravel	0-15	1	7 7 7	3.50	21	687.5		0	11	6 8 8	2.30	15
		15-30	2	4 3 3	1.25	23			5	12	5 7 12	3.20	12
		30-45	3	1 4 7	4.51	20			10	4	5 7 10	5.08	19
		45-50	4	7 10 11	4.84	18			15	5	3 8 10	5.74	15
		50-55	5	3 8 10	5.74	15			20	6	3 7 9	3.77	19
		55-60	6	6 8 10	3.61	19			25	7	6 9 9	2.95	20
		60-65	7	6 8 10	2.54	22			30	8	4 7 10	3.28	22
		65-70	8	6 8 10	2.95	20			35	9	3 8 9	4.02	21
		70-75	9	6 8 10	2.46	21			40	10	3 8 9	4.02	21

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-14-2011	Complete Drilling	09-14-2011	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	Time After Drilling	NA
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion			Depth to Water	▼	NA	

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**BORING LOG 1RW5-B-3** Page 1 of 1

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 1  
 Location: Ret. Wall 5, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 716.40 ft  
 North: 1790795.08 ft  
 East: 1115994.88 ft  
 Station: 99+79.15  
 Offset: 80.22 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 (%)
690.9	14-inch thick, brown SILTY CLAY LOAM --TOPSOIL-- Medium stiff, brown and gray SILTY CLAY	0-11	1	4 5 5	0.50	23	686.4		0	11	6 10 11	4.25	13
213.4	Medium stiff, brown and gray CLAY, trace gravel	11-23	2	2 2 3	0.75	26			5	12	17 9 13	4.00	13
210.9	Very stiff to hard, brown and gray SILTY CLAY, trace gravel	23-30	3	4 5 7	3.61	19			10	4	4 5 8	4.18	19
		30-35	4	4 5 8	4.18	19			15	5	4 5 8	1.56	19
		35-40	5	4 5 8	1.56	19			20	6	6 7 8	3.61	20
		40-45	6	6 7 8	3.61	20			25	7	4 7 10	3.77	19
		45-50	7	4 7 10	3.77	19			30	8	3 6 9	3.69	23
		50-55	8	3 6 9	3.69	23			35	9	3 6 9	2.89	20
		55-60	9	3 6 9	2.89	20			40	10	3 6 9	2.89	20

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-14-2011	Complete Drilling	09-14-2011	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	Time After Drilling	NA
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion			Depth to Water	▼	NA	

100 S. WACKER DR.  
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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-BoringLog.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	587	
		PLOT SCALE = 0:2.00' = 1" / in.	REVISED -			CONTRACT NO. 60F05					
		PLOT DATE = 3/12/2013	REVISED -			ILLINOIS FED. AID PROJECT					