

**Wang Engineering**  
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**BORING LOG 1RW2-B-2** Page 1 of 1

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 1  
 Location: Ret. Wall 2, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 735.70 ft  
 North: 1789299.10 ft  
 East: 1116033.49 ft  
 Station: 84+82.69  
 Offset: 68.02 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 (%)
735.2	6-inch thick ASPHALT	0											
735.0	--PAVEMENT--	0											
734.7	6-inch thick CRUSHED STONE	0											
734.5	--BASE COURSE--	0											
734.0	Very stiff, brown SILTY CLAY, trace plant material	1	1	4	3.00	24							
733.0	--BURIED TOPSOIL--	1											
732.7	Very stiff to hard, brown and gray SILTY CLAY, trace gravel	2	2	5	3.36	23							
		3	3	4	6.15	19							
		4	4	7	7.54	18							
		5	5	7	7.71	19							
		6	6	5	4.02	20							
		7	7	3	4.10	22							
		8	8	3	2.46	21							
715.7	Boring terminated at 20.00 ft	20											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-09-2011	Complete Drilling	09-09-2011	While Drilling	▼	DRY	
Drilling Contractor	WTS	Drill Rig	B-57 TMR	At Completion of Drilling	▼	DRY	
Driller	R&P	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 1RW3-B-1** Page 1 of 1

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 1  
 Location: Ret. Wall 3, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 736.00 ft  
 North: 1789445.79 ft  
 East: 1116042.41 ft  
 Station: 86+28.99  
 Offset: 81.97 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 (%)
736.0	7.4-inch thick ASPHALT	0											
735.8	--PAVEMENT--	0											
735.5	7-inch thick CRUSHED STONE	0											
735.3	--BASE COURSE--	0											
733.0	Hard, brown CLAY LOAM, some gravel	1	1	4	4.51	12							
	--FILL--	1											
732.7	Very stiff to hard, brown and gray SILTY CLAY, trace gravel	2	2	5	3.94	21							
		3	3	5	4.26	18							
		4	4	5	7.30	19							
		5	5	5	7.54	19							
		6	6	3	NR								
		7	7	4	3.69	21							
		8	8	3	3.53	21							
716.0	Boring terminated at 20.00 ft	20											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-09-2011	Complete Drilling	09-09-2011	While Drilling	▼	DRY	
Drilling Contractor	WTS	Drill Rig	B-57 TMR	At Completion of Drilling	▼	DRY	
Driller	R&P	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 1RW3-B-2** Page 1 of 1

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 1  
 Location: Ret. Wall 3, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 733.00 ft  
 North: 1789533.14 ft  
 East: 1116032.35 ft  
 Station: 87+16.63  
 Offset: 74.90 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 (%)
733.0	8.3-inch thick ASPHALT	0											
732.8	--PAVEMENT--	0											
732.5	8-inch thick CRUSHED STONE	0											
732.3	--BASE COURSE--	0											
732.0	Medium stiff, brown CLAY LOAM, some gravel	1	1	3	0.75	24							
	--FILL--	1											
730.0	Medium stiff to hard, brown and gray SILTY CLAY, trace gravel	2	2	2	0.98	31							
	--L (%)=40, P <sub>1</sub> (%)=18--	2											
	--%Gravel=0.6--	2											
	--%Sand=10.2--	2											
	--%Silt=50.6--	2											
	--%Clay=38.6--	2											
	--A-6 (20)--	2											
		3	3	6	5.17	20							
		4	4	10	5.00	20							
		5	5	5	4.43	19							
		6	6	4	4.02	22							
		7	7	4	2.62	20							
		8	8	3	2.38	21							
713.0	Boring terminated at 20.00 ft	20											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-09-2011	Complete Drilling	09-09-2011	While Drilling	▼	DRY	
Drilling Contractor	WTS	Drill Rig	B-57 TMR	At Completion of Drilling	▼	DRY	
Driller	R&P	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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 CHICAGO, IL 60606  
 TEL (312) 939-1000  
 FAX (312) 939-4998

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:\160F05-SHT-Boring07.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	584	
	PLOT SCALE = 0:2.00 '1" / 1"	DRAWN - JDK	REVISED -			CONTRACT NO. 60F05					
	PLOT DATE = 3/12/2013	CHECKED - JCE	REVISED -			ILLINOIS FED. AID PROJECT					