

Wang Engineering
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BORING LOG RWB-11
 WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45**
 Location: **ORLAND PARK, T 36N, R 12E**

Datum: NGVD
 Elevation: 722.50 ft
 North: 1794400.88 ft
 East: 1115699.85 ft
 Station: 135+93.23
 Offset: 72.95 LT

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 (%)
722.33	22-33-inch thick, black SILTY CLAY LOAM --TOPSOIL-- Hard, brown and gray CLAY, trace gravel	1	10	10	7.13	17							
	--FILL-- --L _c (%)=44, P _c (%)=17-- --%Gravel=2.5-- --%Sand=13.6-- --%Silt=48.6-- --%Clay=35.2-- --A-7-6 (23)--	2	4	12	4.50	14							
717.0	Hard, brown and gray CLAY LOAM, trace gravel	3	7	10	5.82	16							
		4	4	9	5.41	19							
712.0	Very stiff, brown SILTY LOAM, trace gravel --L _c (%)=23, P _c (%)=13-- --%Gravel=4.3-- --%Sand=29.1-- --%Silt=50.0-- --%Clay=16.6-- --A-4 (4)--	5	4	6	2.38	12							
		6	7	10	2.75	11							
707.0	Very stiff, gray SILTY CLAY, trace gravel	7	3	7	3.28	19							
		8	3	6	3.50	22							
702.5	Boring terminated at 20.00 ft	20											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	12-01-2010	Complete Drilling	12-01-2010	While Drilling	▼	DRY	
Drilling Contractor	WTS	Drill Rig	D-50 ATV	At Completion of Drilling	▼	DRY	
Driller	K&K	Logger	F. Bozga	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 RWB-12
 WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45**
 Location: **ORLAND PARK, T 36N, R 12E**

Datum: NGVD
 Elevation: 722.42 ft
 North: 1794520.59 ft
 East: 1115693.73 ft
 Station: 137+13.08
 Offset: 74.98 LT

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 (%)
722.14	22-14-inch thick, black SILTY CLAY LOAM --TOPSOIL-- Hard, brown CLAY LOAM, little gravel	1	8	8	4.50	13							
	--FILL-- Very stiff to hard, brown and gray SILTY CLAY, trace gravel	2	3	8	5.08	17							
718.4		3	12	14	7.95	18							
		4	3	6	4.18	19							
		5	6	10	5.90	18							
		6	4	7	4.43	18							
		7	5	8	3.53	18							
		8	3	6	3.28	18							
702.4	Boring terminated at 20.00 ft	20											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	12-01-2010	Complete Drilling	12-01-2010	While Drilling	▼	DRY	
Drilling Contractor	WTS	Drill Rig	D-50 ATV	At Completion of Drilling	▼	DRY	
Driller	K&K	Logger	F. Bozga	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 SGB-024
 WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45**
 Location: **ORLAND PARK, T 36N, R 12E**

Datum: NGVD
 Elevation: 736.13 ft
 North: 1789407.64 ft
 East: 1116012.45 ft
 Station: 85+91.91
 Offset: 50.74 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 (%)
	Loose, brown SILTY LOAM --FILL--	1	4	4	NP	15							
734.1	Very stiff to hard, brown and gray gravelly SILTY CLAY --L _c (%)=47, P _c (%)=19-- --%Gravel=17.1-- --%Sand=11.0-- --%Silt=44.4-- --%Clay=27.5-- --A-7-6 (19)--	2	3	3	3.50	24							
		3	3	3	3.00	23							
		4	2	4	2.75	22							
		5	3	4	4.50	19							
726.1	Boring terminated at 10.00 ft	10											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-17-2010	Complete Drilling	11-17-2010	While Drilling	▼	DRY	
Drilling Contractor	WTS	Drill Rig	B-57 TMR	At Completion of Drilling	▼	DRY	
Driller	R&J	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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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 =	USER NAME = Anthony.Plutz	DESIGNED - WEI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RETAINING WALL SOIL BORING LOGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D:\160F05-SHT-Boring\18.dgn		CHECKED - JCE	REVISED -			330	103R-3	COOK	932	595	
	PLOT SCALE = 0:2.00' = 1" / in.	DRAWN - JDK	REVISED -			CONTRACT NO. 60F05					
	PLOT DATE = 3/12/2013	CHECKED - JCE	REVISED -			SHEET NO. 40 OF 41 SHEETS					