

Wang Engineering
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 1145 N Main Street
 Lombard, IL 60148
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BORING LOG 1RW10-B-1 Page 1 of 1

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 1
 Location: Ret. Wall 10, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 737.70 ft
 North: 1788298.03 ft
 East: 1116060.18 ft
 Station: 74+81.32
 Offset: 60.56 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 (%)
737.7	Medium stiff, black to brown CLAY to CLAY LOAM, trace organic material	0	1	4.5	0.90	32	737.7	Boring terminated at 30.00 ft	0	11	4.7	2.54	28
		5	2	0.57		28			5	12	4.8	2.95	24
732.2	Stiff to very stiff, brown to gray SILTY CLAY, trace gravel	10	3	2.62		22			10	3	2.46		23
		15	4	2.46		23			15	5	NR		
		20	5	NR					20	6	2.87		19
		25	6	1.64		21			25	7	1.48		23
			7	1.80		22				8	1.80		21
			8	1.80		21				9	1.80		21
			9	1.80		21				10	1.80		21

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-12-2011	Complete Drilling	09-12-2011	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	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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BORING LOG 1RW10-B-2 Page 1 of 1

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 1
 Location: Ret. Wall 10, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 737.60 ft
 North: 1788348.15 ft
 East: 1116055.90 ft
 Station: 75+31.56
 Offset: 57.99 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 (%)
737.6	Stiff, black to dark brown CLAY to CLAY LOAM, trace organic material	0	1	1.30		34	737.6	Medium dense, gray SILT	0	11	7.14	NP	20
		5	2	1.07		35		Very stiff, gray SILTY CLAY	5	12	6.10	2.38	21
732.1	Very stiff, brown to gray SILTY CLAY, trace gravel	10	3	2.95		23		Boring terminated at 30.00 ft	10	3	3.36		21
		15	4	3.36		21			15	5	2.46		23
		20	5	2.46		23			20	6	2.62		20
		25	6	2.62		20			25	7	4.71	2.21	18
721.1	Very stiff, gray SANDY CLAY LOAM	30	7	4.71		18			30	8	4.78	NP	22
718.6	Medium dense, gray SANDY LOAM	35	8	4.78		22			35	9	3.86	NP	21
		40	9	3.86		21			40	10	8.13	NP	14
		45	10	8.13		14			45				

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-12-2011	Complete Drilling	09-12-2011	While Drilling	18.00 ft		
Drilling Contractor	WTS	Drill Rig	D-50 ATV	At Completion of Drilling	23.00 ft		
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	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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BORING LOG 1RW11-B-1 Page 1 of 1

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 1
 Location: Ret. Wall 11, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 738.00 ft
 North: 1789001.91 ft
 East: 1116039.64 ft
 Station: 81+84.49
 Offset: 64.06 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 (%)
738.0	Hard, brown and gray CLAY LOAM, little to some gravel	0	1	5.5	4.50	19	738.0	Hard, brown and gray CLAY LOAM, little to some gravel	0	1	5.5	4.50	19
	--FILL--	5	2	5.5	4.50	20			5	2	5.5	4.50	20
732.5	Stiff, brown and gray CLAY	10	3	3.45	1.50	30	732.5	Stiff, brown and gray CLAY	10	3	3.45	1.50	30
	--L ₁ (%)=55, P ₁ (%)=22--	15	4	3.45	2.46	23			15	4	3.45	2.46	23
	--%Gravel=0.9--	20	5	5.90	5.90	19			20	5	5.90	5.90	19
	--%Sand=6.6--	25	6	6.40	6.40	20			25	6	6.40	6.40	20
	--%Silt=49.1--	30	7	6.67	4.50	19			30	7	6.67	4.50	19
	--%Clay=43.5--	35	8	6.67	NP	15			35	8	6.67	NP	15
	--A-7-6 (34)--	40	9	6.67					40	9	6.67		
		45	10	6.67					45	10	6.67		
		50							50				

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-08-2011	Complete Drilling	09-08-2011	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	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:\160F05-SHT-8oring01.dgn	USER NAME = Anthony.Plutz	DESIGNED - WEI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RETAINING WALL SOIL BORING LOGS	F.A.P. RTE. 330	SECTION 103R-3	COUNTY COOK	TOTAL SHEETS 932	SHEET NO. 578
PLOT SCALE = 0:2.00 '1" = 10'	DRAWN - JDK	REVISED -	CONTRACT NO. 60F05							
PLOT DATE = 3/12/2013	CHECKED - JCE	REVISED -	ILLINOIS FED. AID PROJECT							
			SHEET NO. 23 OF 41 SHEETS							