

Wang Engineering
 wangeng@wangeng.com
 1145 N Main Street
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 Telephone: 630-953-9928
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BORING LOG 1RW11-B-2

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: 738.10 ft
 North: 1789063.29 ft
 East: 1116037.20 ft
 Station: 82+46.00
 Offset: 63.71 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 (%)
730.1	Very stiff to hard, brown and gray CLAY LOAM, little to some gravel --FILL--	1	1	4.50	17								
		2	2	4.00	20								
		3	3	3.00	19								
730.1	Very stiff to hard, brown and gray SILTY CLAY, trace gravel	4	4	2.95	24								
		5	5	2.30	24								
		6	6	8.53	19								
		7	7	7.38	19								
		8	8	5.00	18								
718.1	Boring terminated at 20.00 ft												

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	Time After Drilling	NA		
Checked by	C. Marin			Depth to Water	▽	NA	
Drilling Method: 3.25" IDA HSA; Boring backfilled upon completion.				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG 1RW12-B-1

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 1
 Location: Ret. Wall 12, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 704.50 ft
 North: 1793092.71 ft
 East: 1115902.80 ft
 Station: 122+76.37
 Offset: 69.97 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 (%)
703.8	8-inch thick, black SILTY CLAY LOAM --TOPSOIL--	1	1	2.00	18								
	Stiff to very stiff, brown CLAY LOAM, trace gravel --FILL--	2	2	1.50	26								
699.0	Soft, brown SANDY CLAY	3	3	0.41	22								
696.5	Loose, brown and gray LOAM	4	4	NP	20								
694.0	Very stiff, gray SILTY CLAY, trace gravel	5	5	2.54	20								
691.5	Medium dense, gray GRAVELLY SANDY LOAM	6	6	10	18								
		7	7	NP	NR								
688.5	Stiff to very stiff, gray SILTY CLAY LOAM, trace to little gravel	8	8	1.07	15								
		9	9	1.80	14								
		10	10	1.82	15								
		11	11	2.21	13								
		12	12	2.38	15								
674.5	Boring terminated at 30.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-16-2011	Complete Drilling	09-16-2011	While Drilling	▽	13.50 ft	
Drilling Contractor	WTS	Drill Rig	B-57 TMR	At Completion of Drilling	▽	13.50 ft	
Driller	R&F	Logger	F. Bozga	Time After Drilling	NA		
Checked by	C. Marin			Depth to Water	▽	NA	
Drilling Method: 3.25" IDA HSA; Boring backfilled upon completion.				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG 1RW12-B-2

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 1
 Location: Ret. Wall 12, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 704.00 ft
 North: 1793167.57 ft
 East: 1115896.05 ft
 Station: 123+50.69
 Offset: 70.53 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 (%)
700.83	83-inch thick, black SILTY CLAY LOAM --TOPSOIL--	1	1	4.50	21								
	Medium stiff to hard, brown CLAY LOAM, trace gravel --FILL--	2	2	0.75	34								
698.5	Stiff, brown SILTY CLAY --L ₁ (%)=52, P ₁ (%)=16-- --%Gravel=0.9-- --%Sand=12.7-- --%Silt=54.8-- --A-7-6 (32)--	3	3	1.72	24								
696.0	Hard, brown SILTY CLAY, trace gravel	4	4	5.82	18								
691.7	Brown GRAVELLY SAND	5	5	6.40	18								
690.7	Stiff to very stiff, gray SILTY CLAY, trace to little gravel	6	6	2.91	20								
		7	7	2.05	18								
		8	8	1.75	21								
		9	9	1.48	14								
		10	10	2.05	13								
674.0	Boring terminated at 30.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-16-2011	Complete Drilling	09-16-2011	While Drilling	▽	12.50 ft	
Drilling Contractor	WTS	Drill Rig	B-57 TMR	At Completion of Drilling	▽	12.50 ft	
Driller	R&F	Logger	F. Bozga	Time After Drilling	NA		
Checked by	C. Marin			Depth to Water	▽	NA	
Drilling Method: 3.25" IDA HSA; Boring backfilled upon completion.				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

100 S. WACKER DR.
 SUITE 600
 CHICAGO, IL 60606
 TEL (312) 939-1000
 FAX (312) 939-4998

URS

FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - WEI	REVISED -
D:\60F05-SHT-Boring02.dgn		CHECKED - JCE	REVISED -
	PLOT SCALE = 0:2.00' = 1" / 10'	DRAWN - JDK	REVISED -
	PLOT DATE = 3/12/2013	CHECKED - JCE	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RETAINING WALL
 SOIL BORING LOGS

SHEET NO. 24 OF 41 SHEETS

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

F.A.P R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	579
CONTRACT NO. 60F05				
ILLINOIS FED. AID PROJECT				