

**Wang Engineering**  
 wangeng@wangeng.com  
 1145 N Main Street  
 Lombard, IL 60148  
 Telephone: 630-953-9928  
 Fax: 630-953-9938

**BORING LOG 1RW8-B-1** Page 1 of 1

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 1  
 Location: Ret. Wall 8, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 717.80 ft  
 North: 1795557.23 ft  
 East: 1115658.46 ft  
 Station: 147+50.32  
 Offset: 74.94 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 (%)
717.1	746-63-inch thick WOOD CHIPS --FILL--												
	6-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL--												
	Stiff to hard, brown and gray SILTY CLAY to SILTY CLAY LOAM, trace to little gravel		1	4 4 7	2.21	25							
			2	3 3 7	2.79	17							
			3	7 12 15	8.28	18							
			4	7 8 10	5.99	17							
			5	7 9 10	6.15	19							
			6	3 4 5	1.56	16							
			7	3 4 6	1.78	14							
			8	4 5 7	1.56	15							
697.8	Boring terminated at 20.00 ft	20											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-21-2011	Complete Drilling	09-21-2011	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	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

**Wang Engineering**  
 wangeng@wangeng.com  
 1145 N Main Street  
 Lombard, IL 60148  
 Telephone: 630-953-9928  
 Fax: 630-953-9938

**BORING LOG 1RW8-B-2** Page 1 of 1

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 1  
 Location: Ret. Wall 8, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 715.40 ft  
 North: 1795621.66 ft  
 East: 1115659.95 ft  
 Station: 148+14.66  
 Offset: 71.25 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 (%)
714.3	715-05-inch thick ASPHALT --PAVEMENT--												
	10-inch thick CRUSHED STONE --BASE COURSE--												
	Very stiff to hard, brown SILTY CLAY, trace to little gravel		1	7 12 7	NR	20							
	--L <sub>v</sub> (%)=39, P <sub>v</sub> (%)=19-- --%Gravel=3.5-- --%Sand=10.3-- --%Silt=49.3-- --%Clay=36.8-- --A-7-6 (27)--		2	8 15 8	5.74	20							
			3	8 8 5	5.00	14							
			4	4 4 7	2.95	13							
704.1	Medium dense, gray SILTY LOAM		5	8 8 8	NP	23							
702.4	--Moist-- Stiff, gray SILTY CLAY LOAM, trace gravel		6	3 3 3	1.72	14							
699.9	Medium dense, gray SILTY LOAM		7	7 9 10	NP	14							
697.4	Very stiff, gray SILTY CLAY, trace gravel		8	4 5 7	3.69	20							
695.4	Boring terminated at 20.00 ft	20											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-21-2011	Complete Drilling	09-21-2011	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	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

**Wang Engineering**  
 wangeng@wangeng.com  
 1145 N Main Street  
 Lombard, IL 60148  
 Telephone: 630-953-9928  
 Fax: 630-953-9938

**BORING LOG 1RW8-B-3** Page 1 of 1

WEI Job No.: 201-40-01  
 Client: McDonough Associates Inc.  
 Project: US 45, Segment 1  
 Location: Ret. Wall 8, Cook Co., T36N, R12E

Datum: NGVD  
 Elevation: 715.40 ft  
 North: 1795689.51 ft  
 East: 1115660.91 ft  
 Station: 148+82.43  
 Offset: 67.98 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 (%)
714.3	746-23-inch thick, brown SILTY CLAY LOAM --TOPSOIL--												
	Medium stiff to very stiff, brown and gray SILTY CLAY LOAM, trace to little gravel		1	4 5 6	3.69	21							
			2	4 7 7	3.28	19							
			3	9 10 14	NR								
			4	4 5 5	2.38	15							
			5	5 6 6	2.13	14							
			6	3 3 4	0.82	14							
			7	4 10 13	1.64	14							
697.4	Medium dense, gray SILT --Moist--		8	5 8 11	NP	15							
695.4	Boring terminated at 20.00 ft	20											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-21-2011	Complete Drilling	09-21-2011	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	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**

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 -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RETAINING WALL SOIL BORING LOGS</b>	F.A.P R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D160F05-SHT-BoringLog14.dgn		CHECKED - JCE	REVISED -			330	103R-3	COOK	932	591	
	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					