

### CHICAGO TESTING LABORATORY, INC.

#### FOUNDATION BORING LOG

SHEET 1 OF 1

PROJECT OSMC227, RETAINING WALL DATE 4/8/05  
 ROUTE DOUGLAS ROAD STRUCTURE BORINGS IN OSWEGO, ILLINOIS BORED BY SPE  
 CHECKED BY WJW

COUNTY		KENDALL		G.W. DURING DRILLING		5.5'	
BORING	STATION	DEPTH	N/6"	tsf	Qu	W	%
RW-4	49+10						
GROUND SURFACE EL. 657±		M (Ft)					
Black Silty Clay LOAM, A-6 to A-7-6: FILL, stiff to firm; c=500psf, k=0pci; Es0=.016, γ=115pcf		1	5	1.5	12		
Yellow-Brown coarse SAND, with GRAVEL, A-1, dense; φ=45°, k=125pci, γ=70pcf (submerged)		(5)	3	0.5	13		
Yellow-Brown SAND (f-c), A-2, slightly dense		2	4				
Grey and Black SILT, A-4			5			16	
Grey coarse SAND, A-1-a, with Gravel and occasional Cobbles and Boulders, dense; φ=38°, k=125pci, γ=65pcf (submerged)		3	7	*	8		
Grey Silty CLAY, A-6, hard to very stiff; c=1750psf, k=225pci; Es0=.007, γ=60pcf (submerged)		4	5	2.5	22		
		(15)	8				
			11				
		5	6	1.78	21		
			12				
			16				
		6	7	1.90	20		
		(20)	11				
			14				

N-Standard Penetration Test- Blows per foot to drive 2 inch with 140 lbs. hammer falling 30 inches  
 c=soil cohesion  
 γ=wet soil unit weight (effective)  
 Qu- Unconfined Compressive Strength (tsf)  
 W- Water Content-percentage of oven dry weight (%)  
 k=lateral modulus cyclic  
 Type failure: B- Bulge Failure  
 S- Shear Failure  
 E- Estimated Value  
 P-Penetrometer  
 Es0=soil strain

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 CHECKED BY WJW

COUNTY		KENDALL		G.W. DURING DRILLING		6.5'	
BORING	STATION	DEPTH	N/6"	tsf	Qu	W	%
RW-5	48+30						
GROUND SURFACE EL. 656±		M (Ft)					
Black Silty Clay LOAM, A-6: FILL, very stiff; c=2000psf, k=250pci; Es0=.006, γ=125pcf		1	8	3.5	21		
over Brown and Black		(5)	11				
Grey Silty CLAY, A-6 c=2000psf, k=250pci, Es0=.006, γ=125pcf		2	5	2.0	17		
Yellow-Brown SAND (f-c) and GRAVEL, A-1, saturated φ=35°, k=60pci, γ=60pcf (submerged)		(15)	5				
Yellow-Brown SAND (f-m), A-2-4 φ=35°, k=60pci, γ=60pcf (submerged)		3	8	2.5	24		
Dark Grey SILT, A-4		(10)	10				
Grey Silty CLAY, A-6, stiff to very stiff; c=1750psf, k=225pci; Es0=.007, γ=60pcf (submerged)		4	6	1.82	22		
		(15)	3				
			6				
		5	9	2.5	20		
		(15)	13				
			15				
		6	6	1.90	22		
			8				
			10				
		12	4	1.34	24		
		(20)	4				
			6				

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 W- Water Content-percentage of oven dry weight (%)  
 k=lateral modulus cyclic  
 Type failure: B- Bulge Failure  
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PLAN SURVEYED ALIGNED CHECKED BY DATE  
 NOTE BOOK NO. FILED

PROFILE SURVEYED GRADES CHECKED BY DATE  
 NOTE BOOK NO. STRUC. DATE NOTARY'S CHKD

8 TIMES DATE FILES



ILLINOIS DEPARTMENT OF TRANSPORTATION  
 F.A.U. 2508 - DOUGLAS ROAD  
 (U.S. RTE 34 TO U.S. RTE 30)  
 SOIL BORING LOGS  
 DOUGLAS ROAD OVER WAUBONSEE CREEK  
 SECTION 02-00039-00-PV, STA. 49+42  
 SN 047-6306, KENDALL COUNTY  
 VERT. DRAWN BY  
 HORIZ. CHECKED BY  
 SCALE: DATE