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**OBA**  
**O'BRIEN & ASSOCIATES, INC.**  
 CONSULTING ENGINEERS  
 1230 E. DAVIS ST./ARLINGTON HTS., IL 60005  
 (847)382-1444 • FAX(847) 382-2275

**STRUCTURE FOUNDATION BORING LOG**

Project: McHenry County Walkup Road Phase II; Retaining Wall/Bike Path OBA Job No.: 09587  
 Teng Job No: 19-3100-03 Date: Sept. 1, 2009  
 County: McHenry Bored By: MR  
 Client: Teng & Associates, Inc. Checked By: DOB

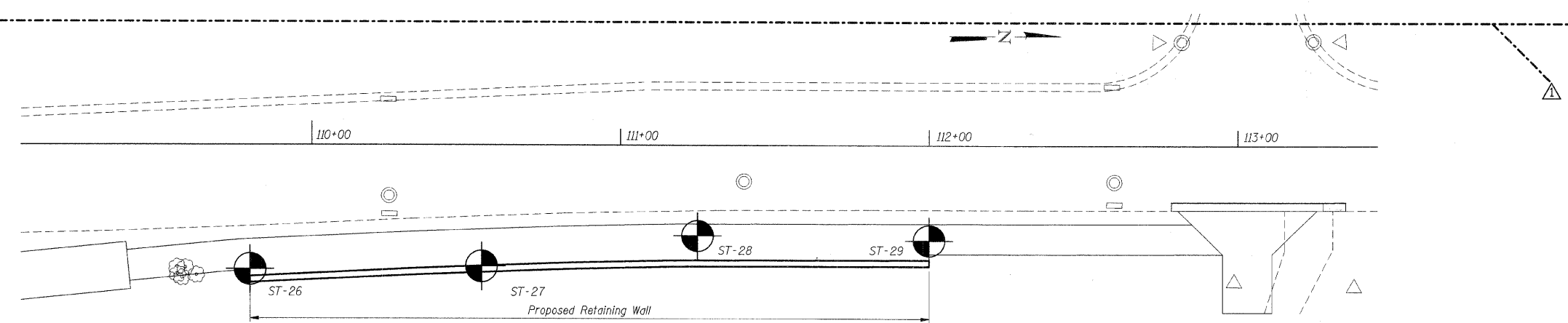
BORING No.: ST-29 Station: 112+03  
 Offset: 31.5' Right  
 Ground Surface Elevation: 854.2' (ft) (6") (taf)

Surface Water Elev.: n/a  
 Groundwater Elevation: 845.7' WD  
 Groundwater Elevation: 845.7' AB  
 Cave In Elevation:  (ft) (6") (taf) (%)

DEPTH (ft)	BLOW COUNT	UCS (psi)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT	UCS (psi)	MOISTURE (%)	
0-2				Black TOPSOIL FILL	0-9				SAND & GRAVEL—brown—medium dense to dense (A-2-4)
2-4				organic content: 5%	9-11				CLAY LOAM—gray—stiff to very stiff (A-6)
4-10	3,75P	14		SANDY CLAY LOAM FILL—dark brown to black—stiff to very stiff (A-6)	11-12	2,25P	11		
10-13	100				12-11				
13-14	0.9S				11-9	1,75P	18		
14-24	100%	24							
24-30				CLAY LOAM—brown—soft (A-6) wet					
30-100	100								
100-101	0.4B	26							
101-108									
108-114	NP	4							
114-117									
117-120	NP	9							
120-124									
124-130	NP	13							
130-140									
140-144	NP	14							
144-150									
150-157	NP	9							
157-161									
161-166	NP	10							
166-171									
171-175	NP	5							

End of Boring @ -30.0'  
 Hollow Stem Augers  
 D-50 Automatic Hammer

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B—Bulge, S—Shear, P—Penetrometer) ST—Shelby Tube Sample VS—Vane Shear Test  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)  
 NR—No Recovery



**SHT. SD-6**

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION  
 WALKUP ROAD F.A.U. 0085  
 SECTION 00-00246-01-FP  
 STATION 109+80.00 TO 112+00.00  
 RETAINING WALL

**SOIL BORING LOGS II**

SCALE: \_\_\_\_\_ DRAWN BY: TCG  
 DATE: 12/01/09 CHECKED BY: \_\_\_\_\_

**TENG** TENG & ASSOCIATES, INC.  
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