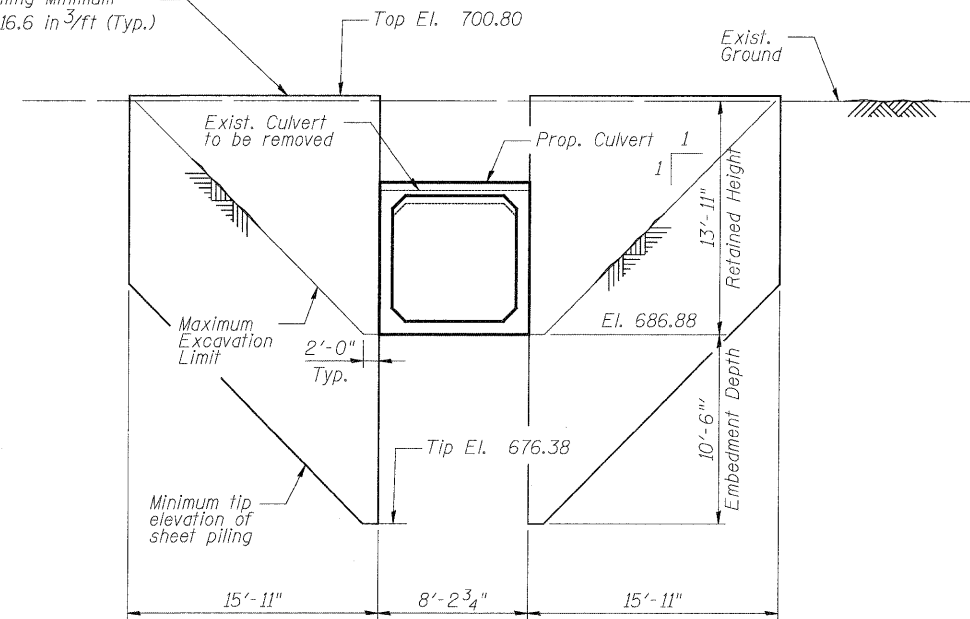


BLOOM COMPANIES, LLC.		BORING LOG		CHICAGO, ILLINOIS			
JOB NO:	BM3-1272	CLIENT:	ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO:	BR4-L4		
PROJECT:	IL-53 Improvements - Thorndale Avenue to Army Trail Road	STATION:	176+71	LOCATION:	Barrier Wall No. 4		
BORING RIG & METHOD:	Diedrich D-50 w/Hollow Stem Augers	OFFSET:	15' LT	SURF ELEV:	700.2		
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS*	STRAIN %	WATER CONTENT %
0.0-1.0	699.2	699.2	8" Bituminous Concrete 1" Steel A-1-a	10	Auger 3-4 (3.5)		14.3
1.0-2.5				15	3-4	1.7	18.5
3.5-6.0			FILL: Br to Gr Clay A-6, trace Gravel and Organics	10	2-3	0.5	19.1
6.0-7.5				12	3-4	1.3	25.3
8.5-10.0				6	2-2 (0.8)		24.9
11.0-12.5	687.2	687.2	Very Stiff Br Clay A-6, trace Gravel	17	4-5	2.8	23.8
13.5-15.0	684.2	684.2		12	2-4 (0.3)		19.2
16.0-17.5			Soft to Medium Stiff Gr Sandy Clay A-4, trace Gravel	15	5-7 (0.6)		20.0
18.5-20.0	579.2	579.2		19	6-10		20.2
21.0-22.5				5	6-8		19.7
23.5-25.0			Medium Dense Fine Sand A-3, trace Gravel 6" Clay Seam @ 26.5' (Hard Gr Clay A-6)	18	8-11	5.8	17.6
26.0-27.5				18	6-8		19.9
28.5-30.0	570.2	570.2		14	5-9	2.3	19.8
31.0-32.5			Very Stiff to Stiff Gr Clay A-6, trace Gravel	16	6-10	1.4	13.4
33.5-35.0	665.2	665.2					
Boring terminated @ 35'							
REMARKS: Automatic Hammer Used. () Denotes Calibrated Penetrometer Estimate							
WATER:	17 FT. ELEV.	693.2	DURING DRILLING	✓	CORE SIZE	IN.	DATE: Mar 29, 10
WATER:	12.5 FT. ELEV.	687.7	AT COMPLETION	✓	CASING LENGTH	FT.	DRILLER: Shimon
WATER:	FT. ELEV.		AFTER HRS.	✓	CASING DIAMETER	IN.	INSPECTOR: Alsalami

BLOOM COMPANIES, LLC.		BORING LOG		CHICAGO, ILLINOIS			
JOB NO:	BM3-1272	CLIENT:	ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING NO:	BR4-3		
PROJECT:	IL-53 Improvements - Thorndale Avenue to Army Trail Road	STATION:	176+28	LOCATION:	Barrier Wall No. 4		
BORING RIG & METHOD:	Diedrich D-50 w/Hollow Stem Augers	OFFSET:	30' RT	SURF ELEV:	699.2		
DEPTH	SAMPLE FROM - TO	ELEV.	SOIL DESCRIPTION	REC.	BLOWS*	STRAIN %	WATER CONTENT %
0.0-1.0	699.2	699.2	Sand A-1-g (Gravel Shoulder)	Auger 35 20-12			5.2
1.0-2.5			FILL: Br Sand A-1-a, trace Clay Lumps	14	3-6	1.7	22.3
3.5-5.0				10	3-4	1.2	26.3
6.0-7.5			Probable FILL: Br to Gr Clay A-6, trace Gravel and Organics	17	3-7	1.7	19.0
8.5-10.0				9	4-6	1.2	36.4
11.0-12.5	686.2	686.2		17	3-4	1.7	23.6
13.5-15.0			Stiff to Medium Stiff Br to Gr Clay A-7-5, trace Gravel	18	1-2 (0.5)		21.4
16.0-17.5	661.2	661.2		17	4-5	1.7	13.1
18.5-20.0	678.2	678.2	Stiff Br to Gr Clay Loam A-6				
Boring terminated @ 20'							
REMARKS: Automatic Hammer Used. () Denotes Calibrated Penetrometer Estimate							
WATER:	15 FT. ELEV.	684.2	DURING DRILLING	✓	CORE SIZE	IN.	DATE: Jan 5, 10
WATER:	Caved @ 14.5 FT. ELEV.	684.7	AT COMPLETION	✓	CASING LENGTH	FT.	DRILLER: Shimon
WATER:	FT. ELEV.		AFTER HRS.	✓	CASING DIAMETER	IN.	INSPECTOR: Kuzel

Temporary Sheet Piling Minimum
Section Modulus = 16.6 in³/ft (Typ.)



TEMPORARY SHEET PILING ELEV.

DESIGNED - A. Durbak
 CHECKED - R. DiGiulio
 DRAWN - A. Durbak
 CHECKED - R. DiGiulio

SOIL BORINGS
ILLINOIS ROUTE 53
FAU 2578 SECTION 532B-1
DUPAGE COUNTY STATION 176+91.55


PATRICK ENGINEERING INC.
 4970 VARSITY DRIVE
 Lisle, IL 60532
 patrickengineering.com

SHEET NO. S8 OF S25	F.A.P. RTE. 2578	SECTION 532B	COUNTY DUPAGE	TOTAL SHEETS 781	SHEET NO. 587
	CONTRACT NO. 60477				
12/3/2010		ILLINOIS FED. AID PROJECT			