STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING RW-2 (2 OF 2)

Illinois Department of Transportation — Division of Highways, ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 2 of 2

Date 10/20/05

ROUTE F.A.U. 2578 (IL53) DESCRIPTION Retaining Wall, sta. 169+00 Lt. LOGGED BY M. Esposito

SECTION 532B LOCATION SW 1/4, SEC. 7, TWP. 40N, RNG. 11E, 3rd PM

COUNTY DuPage DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO.
Station

BORING NO. RW-2
Station 168+97
Offset 29.00ft Lt
Ground Surface Elev. 693.47 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 680.5 ft ▼
Upon Completion 681.5 ft ▽
After 24 Hrs. 682.0 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose Gray Fine to Coarse SAND *(continued)*			3		
			2		23.0
			3		
Very Soft Gray SANDY CLAY LOAM	650.47	-45			
			3		
			4	0.2	22.0
			8	B	
Very Soft Gray SILT w/trace Fine Sand	635.47	-60			
			3		
			4	0.0	21.0
			6	P	
		-55			
			3		
			6	0.0	20.0
			8	P	
Very Soft Gray SILT w/trace Fine Sand *(continued)*			3		
			3	0.2	20.0
			4	B	
Medium Dense Gray Coarse SAND	630.47	-65			
			10		20.0
			18		
Stiff Gray SILTY LOAM	627.47		19		20.0
	626.97				

Note: Washed Boring From 17 ft. to 21.5 ft., and 36.5 ft. to 66.5 ft.
State Plane Coordinates: Northing 1929656.416, Easting 1066300.498
End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

BORING RW-3 (1 OF 2)

Illinois Department of Transportation — Division of Highways, ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 1 of 2

Date 10/24/05

ROUTE F.A.U. 2578 (IL53) DESCRIPTION Retaining Wall, sta. 169+00 Lt. LOGGED BY M. Esposito

SECTION 532B LOCATION SW 1/4, SEC. 7, TWP. 40N, RNG. 11E, 3rd PM

COUNTY DuPage DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO.
Station

BORING NO. RW-3
Station 169+50
Offset 30.00ft Lt
Ground Surface Elev. 694.12 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 681.6 ft ▼
Upon Completion 690.1 ft ▽
After 24 Hrs. 683.1 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown SILTY CLAY w/Organics and trace Fine Sand					14.0
Soft Brown SANDY CLAY LOAM	692.12		4		
			4	2.0	14.0
1 inch Sand Seam @ approx. 3.5 ft.			4	P	
Grades to Gray		-5			
Grades w/more Sand			4		
			4	0.4	18.0
1 inch Sand Seam @ approx. 6.0 ft.			4	B	
Encountered a Cobble @ approx. 8.0 ft.			8		
			14		4.0
			10		
Encountered a Cobble @ approx. 10.0 ft.	683.62	-10	9		
Very Stiff Gray SILTY CLAY w/trace Coarse Sand			10	2.5	5.0
			8	P	
Loose to Medium Dense Gray Coarse SAND	681.12		4		
			6		21.0
			10		
		-15			
			0		
			3		24.0
			4		
Note: Begin Washing @ 17 ft.					
			1		20.0
Loose Gray SANDY LOAM	675.87		3		
			3		24.0
		-20			
Loose Gray SANDY LOAM *(continued)*			8		
			4	0.5	22.0
			3	P	
Soft Gray SILTY LOAM	672.12				
			2		
			2	1.0	20.0
			2	P	
		-25			
			2		
			2	0.5	25.0
			2	P	
Loose Gray SANDY LOAM	667.12				
			2		
			2		25.0
			3		
		-30			
			2		
			3		25.0
			3		
		-35			
			3		
			3		23.0
			4		
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

BORING RW-3 (2 OF 2)

Illinois Department of Transportation — Division of Highways, ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 2 of 2

Date 10/24/05

ROUTE F.A.U. 2578 (IL53) DESCRIPTION Retaining Wall, sta. 169+00 Lt. LOGGED BY M. Esposito

SECTION 532B LOCATION SW 1/4, SEC. 7, TWP. 40N, RNG. 11E, 3rd PM

COUNTY DuPage DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO.
Station

BORING NO. RW-3
Station 169+50
Offset 30.00ft Lt
Ground Surface Elev. 694.12 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 681.6 ft ▼
Upon Completion 690.1 ft ▽
After 24 Hrs. 683.1 ft ▽

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose Gray SANDY LOAM *(continued)*			4		
			4		25.0
			5		
		-45			
			4		
			4		21.0
			4		
Medium Dense Gray Coarse SAND	646.12				
		-50			
			7		
			10		20.0
			11		
		-55			
			5		
			5		20.0
			9		
Soft Gray SANDY CLAY LOAM	638.12				
Soft Gray SANDY CLAY LOAM *(continued)*	633.62		5	1.0	
			7	P	24.0
			11		
Medium Dense Gray Fine to Coarse SAND					
		-65			
			4		
			7		23.0
			11		
Stiff Gray SANDY CLAY LOAM	626.12				
		-70			
			5		21.0
			10	1.0	
			10	P	10.0
Loose Gray Coarse SAND and GRAVEL	623.12 / 622.62				
		-75			
		-80			

Note: Washed Boring From 17 ft. to 71.5 ft.
State Plane Coordinates: Northing 1929717.097, Easting 1066285.175
End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

SOIL BORING LOGS (2 OF 4)
ILLINOIS ROUTE 53 (FAU 2578)
RETAINING WALL
FAU 2578 SECTION 532B
STRUCTURE NO. 022-W031
DUPAGE COUNTY
STA. 168+30.00 TO STA. 170+40.00

ZROKA engineering
Zroka Engineering, P.C.
4216 North Hermitage
Chicago, IL 60613

Date: 04-10-09 Drawn By: SW Checked By: LS

SHEET NO. 8	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2578	532B	DUPAGE	117	78
OF 10 SHEETS	SN 022-W031		CONTRACT NO. 62881		
DATE: 6/12/09	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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