

SOIL BORING LOG
PAGE 1 of 4
DATE 9/14/2004
LOGGED BY D&G Drilling
OBA JOB No. 04118

ROUTE F.A.U. 1463 (31st Street) DESCRIPTION 31st Street over CW RR & Kilbourn Avenue
SECTION 1010.1B LOCATION Cicero Avenue Retaining Wall South of 31st Street
COUNTY Cook-District One DRILLING METHOD 4.25" Hollow Stem Auger HAMMER TYPE Mobil Automatic

STRUCT. NO. Retaining Wall
Station 405+50 to 408+50 Cicero Ave.
BORING NO. B-1
Station 405+50
Offset: 56" Right
Ground Surface Elev. 607.8

DEPTH (ft)	U.C.S. (psi)	MOIST. (%)	DEPT. (ft)	U.C.S. (psi)	MOIST. (%)
0.0			2		
1			3		
2			2	NP	45
3			2		
4			1		
5			2	NP	56
6			3		
7			2	NP	47
8			1		
9			3		
10			1		
11			2	NP	55
12			1		
13			1	NP	16
14			3		
15			1		
16			3	NP	60
17			1		
18			6	NP	23
19			2		
20			4	NP	NR

Blind Drill from 0.0' to -6.0'

Drillers Observation: Miscellaneous Brick, Wood, Gravel, Cinders, Clay, Asphalt & Metal (Fill)

Miscellaneous Brick, Wood, Gravel, Cinders, Clay, Asphalt & Metal - very loose to dense (Fill), Saturated Strong Oil/Creosote odor noted.

Miscellaneous Brick, Wood, Gravel, Cinders, Clay, Asphalt & Metal - very loose to dense (Fill)

Strong Oil/Creosote odor noted.

Blind Drill from -50.0' to -138.0'

Drillers Observation: Miscellaneous Brick, Wood, Gravel, Cinders, Clay, Asphalt & Metal (Fill)

Strong Oil/Creosote odor noted.

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Station 405+50
Offset: 56" Right
Ground Surface Elev. 607.8

DEPTH (ft)	U.C.S. (psi)	MOIST. (%)	DEPT. (ft)	U.C.S. (psi)	MOIST. (%)
0.0			3		
1			3		
2			4	NP	48
3			3		
4			3		
5			3		
6			3		
7			3		
8			3		
9			3		
10			3		
11			3		
12			3		
13			3		
14			3		
15			3		
16			3		
17			3		
18			3		
19			3		
20			3		

Blind Drill from -50.0' to -138.0'

Drillers Observation: Miscellaneous Brick, Wood, Gravel, Cinders, Clay, Asphalt & Metal (Fill)

Strong Oil/Creosote odor noted.

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COUNTY Cook-District One DRILLING METHOD 4.25" Hollow Stem Auger HAMMER TYPE Mobil Automatic

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BORING NO. B-1
Station 405+50
Offset: 56" Right
Ground Surface Elev. 607.8

DEPTH (ft)	U.C.S. (psi)	MOIST. (%)	DEPT. (ft)	U.C.S. (psi)	MOIST. (%)
0.0			3		
1			3		
2			3		
3			3		
4			3		
5			3		
6			3		
7			3		
8			3		
9			3		
10			3		
11			3		
12			3		
13			3		
14			3		
15			3		
16			3		
17			3		
18			3		
19			3		
20			3		

Blind Drill from -50.0' to -138.0'

Drillers Observation: Miscellaneous Brick, Wood, Gravel, Cinders, Clay, Asphalt & Metal (Fill)

Strong Oil/Creosote odor noted.

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SECTION 1010.1B LOCATION Cicero Avenue Retaining Wall South of 31st Street
COUNTY Cook-District One DRILLING METHOD 4.25" Hollow Stem Auger HAMMER TYPE Mobil Automatic

STRUCT. NO. Retaining Wall
Station 405+50 to 408+50 Cicero Ave.
BORING NO. B-1
Station 405+50
Offset: 56" Right
Ground Surface Elev. 607.8

DEPTH (ft)	U.C.S. (psi)	MOIST. (%)	DEPT. (ft)	U.C.S. (psi)	MOIST. (%)
0.0			1		
1			1		
2			1		
3			1		
4			1		
5			1		
6			1		
7			1		
8			1		
9			1		
10			1		
11			1		
12			1		
13			1		
14			1		
15			1		
16			1		
17			1		
18			1		
19			1		
20			1		

Blind Drill from -50.0' to -138.0'

Drillers Observation: Miscellaneous Brick, Wood, Gravel, Cinders, Clay, Asphalt & Metal (Fill)

Strong Oil/Creosote odor noted.

Recovery=100.0%
RQD=99.1%

End of Boring @ -148.5'
Hollow Stem Augers to -50.0'
Rotary Drilling to Completion
138.0' 4" Casing Used
139.0' 3" Casing Used

Drillers Observation: Apparent Bedrock

RUN 1 (-139.0' to -148.5')
Silurian System, Niagaran Series Dolomite

ROCK CORE LOG
PAGE 1 of 1
DATE 9/14/2004
LOGGED BY D&G Drilling
OBA JOB No. 04118

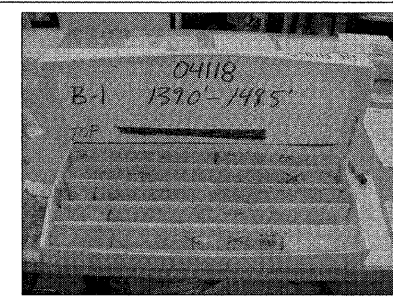
ROUTE F.A.U. 1463 (31st Street) DESCRIPTION 31st Street over CW RR & Kilbourn Avenue
SECTION 1010.1B LOCATION Cicero Avenue Retaining Wall South of 31st Street
COUNTY Cook-District One CORING METHOD Rotary Wash

STRUCT. NO. Retaining Wall
Station 405+50 to 408+50 Cicero Ave
BORING NO. B-1
Station 405+50
Offset: 56" Right
Ground Surface Elev. 607.8

CORING BARREL TYPE & SIZE NX Double Swivel-10 ft
Core Diameter 2.0 in
Top of Rock Elev. 488.8
Begin Core Elev. 488.8

DEPTH (ft)	RECOVERY (%)	CORRECTION (%)	ROCK TYPE	COMMENT
0.0	100.0	99.1	n/a	n/a
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

RUN 1 (-139.0' to -148.5')
SILURIAN SYSTEM, NIAGARAN SERIES DOLOMITE
Light gray to gray with horizontal to wavy bedding. Fine grained with few small vugs. Some tight horizontal fractures throughout. Horizontal fractures at -140.1', -141.1', -143.4', -144.4', -145.6', -146.2', -147.1', -147.5' & -148.4'.



Color pictures of the cores are attached. Cores will be stored for examination for 30 days.
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORING B-1
CICERO AVE. RETAINING WALL
IL ROUTE 50 SECTION 1010.1B
COOK COUNTY
STATION 405+33.58 TO 408+53.58
STR. NO. 016-W981

REVISIONS	
NAME	DATE
Revised Layout	9/25/08

SCALE: VERT. N.T.S.
DATE SEPTEMBER 25, 2008

DRAWN BY GF
CHECKED BY CLS