



### SOIL BORING LOG

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Date 11/6/01

ROUTE FAP 627(IL71) DESCRIPTION IL 71 OVER ARMSTRONG BROOK NEAR THE EAST ENTRANCE TO STARVED ROCK PARK LOGGED BY K.W.

SECTION I-BR LOCATION SE 1/4, SEC. 24, TWP. 33N, RNG. 2E, 3<sup>rd</sup> PM

COUNTY LASALLE DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-0142 DEPT W S Qu T  
Station 14+08  
BORING NO. 2 WEST ABUT. B L O S M  
Station 13+80 T W S Qu T  
Offset 15.50R RT H S Qu T  
Ground Surface Elev. 488.23 ft (ft) (#) (in) (min) (lb)

DEPTH (ft)	DESCRIPTION	DEPT	W	S	Qu	T	M	UCS
0	Surface Water Elev. <u>458.70</u> ft							
0	Stream Bed Elev. _____ ft							
0	Groundwater Elev.: _____ ft							
0	First Encounter _____ ft							
0	Upon Completion _____ ft							
0	After _____ Hrs.							
0	Gray Fine to Coarse SAND	100						18.0
0	TOP OF ROCK Dense White to Gray Weathered ST. PETER SANDSTONE (continued)	5"						
458.73	Stiff Brown SILTY CLAY LOAM with GRAVEL	100	2	1.5	12.8			15.0
443.23	Borehole continued with rock coring.							
442.23	Stiff Brown LOAM to CLAY LOAM with GRAVEL including COAL, CHERT SHALE, SANDSTONE	1			14.1			
453.73	Very Soft LOAM with GRAVEL (AS ABOVE)	1	0.2	18.3				
450.23	Very Soft Black/Dark Olive Gray LOAM to CLAY LOAM with Traces of White SAND & Shell	1			29.2			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (S-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, form 137 (Rev. 8-99)



### ROCK CORE LOG

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SECTION I-BR LOCATION SE 1/4, SEC. 24, TWP. 33N, RNG. 2E, 3<sup>rd</sup> PM

COUNTY LASALLE CORING METHOD 5' DOUBLE BARREL

STRUCT. NO. 050-0142 CORING BARREL TYPE & SIZE 5' DOUBLE BARREL  
Station 14+08  
BORING NO. 2 WEST ABUT. Core Diameter 2.1 in  
Station 13+80 Top of Rock Elev. 448.73 ft  
Offset 15.50R RT Begin Core Elev. 443.23 ft  
Ground Surface Elev. 488.23 ft

DEPTH (ft)	RECOVERY (%)	ROQ (%)	CORE TIME (min)	STRENGTH (tsf)
443.23	1	36	20	62.9
443.23	2	0	0	
443.23	3	77	40	65.8
443.23	4	38	0	35.2

Color pictures of the cores Yes  
Cores will be stored for examination until 2004  
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)  
BBS, form 138 (Rev. 8-99)



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Station 13+80 Top of Rock Elev. 448.73 ft  
Offset 15.50R RT Begin Core Elev. 443.23 ft  
Ground Surface Elev. 488.23 ft

DEPTH (ft)	RECOVERY (%)	ROQ (%)	CORE TIME (min)	STRENGTH (tsf)
443.23	6	14	0	
418.23				

Color pictures of the cores Yes  
Cores will be stored for examination until 2004  
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)  
BBS, form 138 (Rev. 8-99)

DESIGNED	P.S.L.
CHECKED	A.R.K. & F.J.S.
DRAWN	K.T.R.
CHECKED	P.S.L. & A.R.K.

SOIL BORING & ROCK CORE LOG  
IL. RTE. 71 OVER UNNAMED STREAM  
F.A.P. ROUTE 627 - SECTION IBR  
LaSALLE COUNTY  
STA. 14+08.00  
STR. NO. 050-0244

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OZYURT AND STONE, INC.  
CONSULTING ENGINEERS

JOB NO.: 0306.4  
FILE: boring2.dgn  
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