

PLAN SURVEYED BY DATE
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 NOTE BOOK NO.
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Illinois Department of Transportation
SOIL BORING LOG Page 1 of 2
 Date 11/02/02

ROUTE FAP 103 DESCRIPTION IL 13/15 from Greenmount Rd. to Deerfield Ct. LOGGED BY P. Kline
 SECTION 27-1R LOCATION South West Quarter, SEC. 6, TWP. 1S, RNG. 7W, 3rd PM
 COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140 lb. Hydraulic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	N/A	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	511.08	E	L	C	O
BORING NO.	P	O	S	I	Groundwater Elev.		P	O	S	I
Station	T	W	S	T	First Encounter	494.4	T	W	S	T
Offset	H	S	Qu	T	Upon Completion	494.4	H	S	Qu	T
Ground Surface Elev.	After	Days	N/A	N/A	After	Days	(ft)	(%)	(ft)	(%)
Gray-Brown SILT	1	0.75	18							
Gray-Brown SILTY LOAM	2	2.0	5							
Dark Gray-Brown below 5.5 Feet	3	4.0	10							
Brown SANDY LOAM	4	N/A	14							
Gray-Brown SAND	5	N/A	16							
Gray-Brown SILTY CLAY LOAM (organic)	6	N/A	22							
Gray SILTY CLAY LOAM	7	2.61	17							

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 (ASTM D 1586)
 BBS, from 137 (Rev. 8-99)

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 COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140 lb. Hydraulic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	N/A	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	511.08	E	L	C	O
BORING NO.	P	O	S	I	Groundwater Elev.		P	O	S	I
Station	T	W	S	T	First Encounter	503.4	T	W	S	T
Offset	H	S	Qu	T	Upon Completion	503.4	H	S	Qu	T
Ground Surface Elev.	After	Days	N/A	N/A	After	Days	(ft)	(%)	(ft)	(%)
Brown SILTY CLAY LOAM (B)	1	1.69	25							
Dark Gray below 3.0 Feet	2	4.0	24							
Gray-Brown SILTY LOAM	3	1.42	24							
Dark Gray-Brown below 25.5 Feet	4	1.08	21							
Gray SANDY LOAM	5	0.90	22							
Brown Very Highly Weathered SHALE	6	0.52	20							
Gray SANDY LOAM	7	0.33	26							
Brown below 18.0 Feet	8	N/A	16							

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 COUNTY St. Clair DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140 lb. Hydraulic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	N/A	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	511.08	E	L	C	O
BORING NO.	P	O	S	I	Groundwater Elev.		P	O	S	I
Station	T	W	S	T	First Encounter	503.4	T	W	S	T
Offset	H	S	Qu	T	Upon Completion	503.4	H	S	Qu	T
Ground Surface Elev.	After	Days	N/A	N/A	After	Days	(ft)	(%)	(ft)	(%)
Dark Gray-Brown, Highly Weathered below 37.0 Feet (continued)	1	1.49	14							
Dark Gray-Brown below 37.0 Feet (continued)	2	1.11	23							
Dark Gray-Brown below 37.0 Feet (continued)	3	0.72	18							
Dark Gray-Brown below 10.5 Feet	4	N/A	17							
Brown SAND	5	N/A	20							
Brown SANDY CLAY LOAM	6	N/A	20							
Gray SILTY CLAY LOAM	7	2.28	18							

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STRUCT. NO.	D	B	U	M	Surface Water Elev.	N/A	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	511.08	E	L	C	O
BORING NO.	P	O	S	I	Groundwater Elev.		P	O	S	I
Station	T	W	S	T	First Encounter	503.4	T	W	S	T
Offset	H	S	Qu	T	Upon Completion	503.4	H	S	Qu	T
Ground Surface Elev.	After	Days	N/A	N/A	After	Days	(ft)	(%)	(ft)	(%)
Dark Brown SILTY CLAY LOAM	1	1.26	20							
Dark Gray-Brown below 3.0 Feet	2	1.11	23							
Dark Gray-Brown below 3.0 Feet	3	0.72	18							
Dark Gray-Brown SANDY LOAM	4	N/A	17							
Brown SAND	5	N/A	20							
Brown SANDY CLAY LOAM	6	N/A	20							
Gray SILTY CLAY LOAM	7	2.28	18							

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL INFORMATION
SINGLE BOX CULVERT 6X6
STATION 215+55.78
F.A.P. 103 (IL. RTE. 13/15)
SECTION 27-1R - ST. CLAIR CO.
 SCALE: AS NOTED DRAWN BY CRO
 DATE June 9, 2004 CHECKED BY RCY

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