

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 315	55-2	MCDONOUGH	1025	498
FED. ROAD DIST. NO. 4		D LINDS		FED. AID PROJECT

SHEET NO. 20
22 SHEETS

Contract No. 68205

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SOIL BORING LOG

Illinois Department of Transportation
Division of Highways
607

ROUTE FAP 315 (IL 336) DESCRIPTION IL 336 Macomb to Carthage LOGGED BY KJT Date 4/5/04

SECTION 24.31.32 LOCATION SEC. TWP. RNG.

COUNTY McDonough DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTO

STRUCT. NO. _____ Station (N. ABUT)

BORING NO. 49553 (B.118) Station 495+63 Offset 7.00@R Ground Surface Elev. 611.10 ft (ft) (ft) (ft) (%)

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After 24 Hrs. _____ ft

DEPTH (ft)	DESCRIPTION	U	M	Q _u (psi)	W (%)	P (psi)	S (psi)	Failure Mode
0-2	Dk. Br & Gray SANDY CLAY LOAM	2	0.8	23.0				
2-3	Gray & Brown SILTY CLAY LOAM	1	0.1	29.3				
3-4	Dk. Gr & Br Mottled SANDY CLAY LOAM	1	0.4	28.2				
4-5	Gray & Brown Cse SAND	1	0.9	23.4				
5-6	Ll. Gray SHALEY CLAY	15	4.5	9.8				
6-8	Ll. Gray SHALE	20		12.4				

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 T298)
BBS, from 137 (Rev. 8-89)

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SECTION 24.31.32 LOCATION SEC. TWP. RNG.

COUNTY McDonough DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTO

STRUCT. NO. _____ Station (N. ABUT)

BORING NO. 49525 (B.116) Station 495+26 Offset 40.00@R Ground Surface Elev. 611.60 ft (ft) (ft) (ft) (%)

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After 24 Hrs. _____ ft

DEPTH (ft)	DESCRIPTION	U	M	Q _u (psi)	W (%)	P (psi)	S (psi)	Failure Mode
0-2	Gray & Brown Mottled SILTY LOAM	2	1.0	25.4				
2-3	Dk. Gray & Brown SILTY CLAY LOAM	3	2.5	20.8				
3-4	Brown Coarse SAND	2		17.8				
4-5	Ll. Gray & Brown SANDSTONE/SANDY SHALE	11	23	6.9				
5-6	Ll. Gray & Brown SANDSTONE (weakly cemented)	30	83	12.3				
6-7	Ll. Gr & Br to Blue-Gray SHALE	12	42	12.0				
7-8	End of Boring	33	108	13.5				

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 T298)
BBS, from 137 (Rev. 8-89)

BORING LOG

CLAUDE H. HURLEY COMPANY

PROJECT NO. 3-069-D BORING NO. CB-493

PROJECT FAP 315 (IL 336) SECTION 24.31.32 DOT JOB NO. P-94-011-98

LOCATION COLLEGE STATION OFFSET 494+75.00 MCDONOUGH COUNTY, ILLINOIS

DRILLING CONTRACTOR MODERN ENVIRONMENTAL SERVICES

DATE OF DRILLING: STARTED 5-18-00 COMPLETED 5-18-00 SURFACE ELEVATION 617.2

DRILLED BY S. HOWARD LOGGED BY D. ANDERSON

CLASSIFICATION	Depth	Q _u (psi)	W (%)	P (psi)	S (psi)	Failure Mode
OR BR SILTY CLAY LOAM, A-6 w/ FIBERS	0-2	28				
BR & GR SILTY LOAM, A-6	2-3	6.7	18			
OR GR & BR SILTY CLAY LOAM, A-6	3-4	1.1	27			
GR & BR CLAY LOAM, A-6	4-5	1.2	21			
BR BR, BR & GR SANDY CLAY LOAM, A-6	5-6					
BR BR & GR CLAY LOAM, A-6	6-7					
BR BR & GR CLAY LOAM, A-6	7-8					
BR GR SANDY LOAM, A-2-4	8-9					
GR LOAM, A-4	9-10					
GR SILTY CLAY, A-6	10-11					
GR SILTY LOAM, A-6 w/ GRAVELLY SAND, A-1-b SAND	11-12					
GR SAND, A-1-a	12-13					
GR & BR SHALE	13-14					

DESIGNED	PJL
CHECKED	LLV
DRAWN	MGM
CHECKED	PJL

BORING LOGS
IL. ROUTE 336 OVER
TRIBUTARY TO
KILLJORDAN CREEK
F.A.P. ROUTE 315 SECT. 55-2
MCDONOUGH COUNTY
STATION 494+75.00
STRUCTURE NO. 055-0060 (EB)
STRUCTURE NO. 055-0061 (WB)

STS CONSULTANTS
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Peoria, Illinois 61602
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IL Design Firm Reg. No. 184-0C1518

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