

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	36

STA. TO STA.
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
Sheet 7 of 8 Sheets



Illinois Department of Transportation
 Division of Highways
 IDOT District 6

SOIL BORING LOG

Page 1 of 2

Date 9/16/05

ROUTE FAP 304 (IL 96) DESCRIPTION over Jimtown Branch LOGGED BY M. Tappan

SECTION 3B-1 LOCATION NE 14, SEC. 20, TWP. 6 S, RING. 5 W, 4 PM

COUNTY Pike DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. <u>075-0043 Ex</u>	D	B	U	M	Surface Water Elev. <u>483.6</u> ft	D	B	U	M
Station <u>784+75.41</u>	E	L	C	O	Stream Bed Elev. <u>483.6</u> ft	E	L	C	O
	P	O	S	I		P	O	S	I
BORING NO. <u>2 SE Abut</u>	T	W	S	T	Groundwater Elev.: <input type="checkbox"/> First Encounter <u>461.4</u> ft <input checked="" type="checkbox"/> Upon Completion <u>Washed</u> ft <input type="checkbox"/> After <u> </u> Hrs. <u>Plugged</u> ft	T	W	S	T
Station <u>785+17</u>	H	S	Qu	T		H	S	Qu	T
Offset <u>12.06 Ls</u>									
Ground Surface Elev. <u>489.9</u> ft	(ft)	/6"	(tsf)	(%)	(ft)	/6"	(tsf)	(%)	

Greyish Brown Moist SILTY CLAY LOAM (FII)				Brown Moist Coarse Grained Cherty Limestone GRAVEL w/ Clay Seams (Colluvium) (continued)					7	
	0								2	
	1	0.7	21	w/Ls. Brown and Gray V. Moist Silty Clay Loam Seam					8	27
	2	B							5	
	492.40									
Grey and Brown Moist CLAY LOAM (FII)				w/Clay Seams					1	
	1								-26	7
	-5	1.1	17						2	11
	2	B								
	1									
	1	0.7	16	Gray V. Moist SILT LOAM w/1" Brown Medium Grained Sand Seam	488.40					
	1	B							0	
	1								0	0.1
	-10	0.6	21						-30	1
	2	B							1	B
	484.90									
Gray and Brown Moist Clay LOAM w/Angular Cherty Limestone Clasts (Colluvium)										
	1									
	3	0.1	17							
	2	B								
	0								0	
Poor Recovery, Sample Broken	-3			Brown and Gray V. Moist SILT LOAM	479.90				-36	1
	1		12	Free Water					1	B
	1									
Light Brown Moist SILTY CLAY LOAM										
	0									
	1	0.5	24							
	2	B								
	477.40									
Brown Moist Coarse Grained Cherty Limestone GRAVEL w/ Clay Seams (Colluvium)										
	1								0	
	-30	5	11						-40	1
									1	0.4
										28

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
 Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 187 (Rev. 8-99)



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SECTION 3B-1 LOCATION NE 14, SEC. 20, TWP. 6 S, RING. 5 W, 4 PM

COUNTY Pike DRILLING METHOD HSA HAMMER TYPE 140 # Auto

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Station <u>784+75.41</u>	E	L	C	O	Stream Bed Elev. <u>483.6</u> ft	E	L	C	O
	P	O	S	I		P	O	S	I
BORING NO. <u>2 SE Abut</u>	T	W	S	T	Groundwater Elev.: <input type="checkbox"/> First Encounter <u>461.4</u> ft <input checked="" type="checkbox"/> Upon Completion <u>Washed</u> ft <input type="checkbox"/> After <u> </u> Hrs. <u>Plugged</u> ft	T	W	S	T
Station <u>785+17</u>	H	S	Qu	T		H	S	Qu	T
Offset <u>12.06 Ls</u>									
Ground Surface Elev. <u>489.9</u> ft	(ft)	/6"	(tsf)	(%)	(ft)	/6"	(tsf)	(%)	

Gray V. Moist SILT LOAM w/1" Brown Medium Grained Sand Seam (continued)										
	1									
	481.90									
Brown Medium to Coarse Grained SAND w/Coarse Angular Cherty Limestone GRAVEL										
									0	
	-6	1								
	1									
	449.40									
Blue Grey Moist Well Indurated Clayey SHALE Washed										
									21	
									50	12
									50	
									50	
									/6"	
									12	
Grey Dry Well Indurated Clayey SHALE										
									-3	37
									63	11
Boring Completed									/6"	
	440.40									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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PLOT DATE = Aug-31-2007 11:50:13AM
 FILE NAME = c:\projects\46537804\upchurch\final\soilborings.shp
 PLOT SCALE = 4.2, 362' = 1" IN.
 USER NAME = laughlin-1

The Upchurch Group
 HILLSIDE, IL. (708) 449-2321
 MATTOON, IL. (217) 285-3177

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SOIL BORINGS
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
STA. 784+76
PIKE COUNTY STR. 075-2506

SCALE: DRAWN BY GEW
 DATE: \$DATE CHECKED BY MJS