



SOIL BORING LOG

ROUTE FAP 328 (US 45) DESCRIPTION Buck Creek LOGGED BY E. Sandschafer
 SECTION (6BR-2)B-1 LOCATION Sec 10 - NE 1/4, Sec 11 - NW 1/4, SEC. TWP. 3 N, RNG. 6 E, 3 PM
 COUNTY Clay DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. Station	BORING NO. Station Offset	Ground Surface Elev.	DEPTH (ft)	BLOW COUNT (#)	UNIFIED SOIL TYPE (tsf)	MOISTURE CONTENT (%)	Description	DEPTH (ft)	BLOW COUNT (#)	UNIFIED SOIL TYPE (tsf)	MOISTURE CONTENT (%)
013-0012 1510+00	1 1510+82 10.00ft Rt	488.40					Very stiff, damp, gray, CLAY TILL w/ trace organics. (continued)	5	2.8	18	
			0					8	B		
			0					5			
			1	0.3	25			7	3.1	15	
			2	B				11	B		
			0					4			
			1	0.7	29			9	3.2	14	
			2	B				12	B		
			0					4			
			0	0.3	24			8	4.3	14	
			0	B				12	B		
			7					4			
			11	0.9	16			7	2.4	16	
			9	S				12	B		
			3								
			5	0.4	16						
			6	S							
			1					1			
			11	1.0	22			3	1.5	26	
			1	B				6	S		
			0								
			2	0.8	23						
			3	B							
			0								
			2								

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 T206)
 BBS, from 137 (Rev. 8-99)



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 SECTION (6BR-2)B-1 LOCATION Sec 10 - NE 1/4, Sec 11 - NW 1/4, SEC. TWP. 3 N, RNG. 6 E, 3 PM
 COUNTY Clay DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. Station	BORING NO. Station Offset	Ground Surface Elev.	DEPTH (ft)	BLOW COUNT (#)	UNIFIED SOIL TYPE (tsf)	MOISTURE CONTENT (%)	Description	DEPTH (ft)	BLOW COUNT (#)	UNIFIED SOIL TYPE (tsf)	MOISTURE CONTENT (%)
013-0012 1510+00	1 1510+82 10.00ft Rt	488.40					Very stiff, damp, gray, CLAY TILL w/ trace organics. (continued)	5	1.9	23	
			0					7	B		
			0								
			1	0.7	29			4			
			2	B				9	3.2	14	
			0					4			
			0	0.3	24			8	4.3	14	
			0	B				12	B		
			7					4			
			11	0.9	16			7	2.4	16	
			9	S				12	B		
			3								
			5	0.4	16						
			6	S							
			1					1			
			11	1.0	22			3	1.5	26	
			1	B				6	S		
			0								
			2	0.8	23						
			3	B							
			0								
			2								

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 T206)
 BBS, from 137 (Rev. 8-99)



ROCK CORE LOG

ROUTE FAP 328 (US 45) DESCRIPTION Buck Creek LOGGED BY E. Sandschafer
 SECTION (6BR-2)B-1 LOCATION Sec 10 - NE 1/4, Sec 11 - NW 1/4, SEC. TWP. 3 N, RNG. 6 E, 3 PM
 COUNTY Clay CORING METHOD Rotary, surf set diamond bit

STRUCT. NO. Station	BORING NO. Station Offset	Ground Surface Elev.	DEPTH (ft)	CORING BARREL TYPE & SIZE	RECOVERED (%)	CORE Diameter (in)	CORE Begin Elev. (ft)	CORE End Elev. (ft)	CORE Description	CORE Strength (tsf)
013-0012 1510+00	1 1510+82 10.00ft Rt	488.40		NW, conv dbl bbl, split inner		2.06	411.30		Gray, moderately weathered, SILTY CLAY SHALE	0.9
			1		100					
			0							
			1	2.06						
			2	B						
			0							
			1	0.7	29					
			2	B						
			0							
			0	0.3	24					
			0	B						
			7							
			11	0.9	16					
			9	S						
			3							
			5	0.4	16					
			6	S						
			1							
			11	1.0	22					
			1	B						
			0							
			2	0.8	23					
			3	B						
			0							
			2							

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

ESCA
 CONSULTANTS, INC.

DESIGNED BY:	ELH	11/06
DRAWN BY:	KAH	11/06
CHECKED BY:	ELH	11/06
APPROVED BY:	RDP	11/06

BORING LOGS
 US ROUTE 45 OVER
 BUCK CREEK
 FAP RTE 328-SECTION (6BR-2)B-1
 CLAY COUNTY
 STATION 1510+13.00
 STRUCTURE NO. 013-0041