



# SOIL BORING LOG

ROUTE FAS 253(IL 251) DESCRIPTION ILLINOIS 251 OVER SANDY CREEK NORTH OF WENONA LOGGED BY KW  
 SECTION 68BR-1 LOCATION SW 1/4, SEC. 1, TWP. 30N, RNG. 1E, 3<sup>rd</sup> PM  
 COUNTY MARSHALL DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. <u>062-0001 EXISTING</u> Station <u>4+660 166.20</u>	BORING NO. <u>2 N ABUT</u> Station <u>1+011.73 111.45</u> Offset <u>7.8 2.15m-RT</u> Ground Surface Elev. <u>188.27</u> m (m)	DEPT	BLOW	UCS	MOIST	Surface Water Elev. <u>192.56</u> m		DEPT	BLOW	UCS	MOIST
						Stream Bed Elev. _____ m	Groundwater Elev.: First Encounter <u>192.3</u> m $\nabla$ Upon Completion <u>189.7</u> m $\nabla$ After _____ Hrs.				
BITUMINOUS & CONCRETE PAVEMENT Over Black SILTY CLAY									22	4.5	
Soft Black SILTY CLAY & some Brown SILTY CLAY TILL								53	434	15.0	
Very Soft Black SILTY LOAM (Crumbly & Organic)								32			12.0
Hard Brown SILTY CLAY TILL								5	11	47.0	
Hard Brown & Gray SILTY CLAY TILL								8	59	20.0	
Very Stiff Mix of Brown SILTY CLAY TILL; Black SILTY CLAY & Weathered SHALE								10	30	21.0	
Dense Gray SHALE								15		18.0	

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. 8-89)



# SOIL BORING LOG

ROUTE FAS 253(IL 251) DESCRIPTION ILLINOIS 251 OVER SANDY CREEK NORTH OF WENONA LOGGED BY KW  
 SECTION 68BR-1 LOCATION SW 1/4, SEC. 1, TWP. 30N, RNG. 1E, 3<sup>rd</sup> PM  
 COUNTY MARSHALL DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. <u>062-0001 EXISTING</u> Station <u>4+660 166.20</u>	BORING NO. <u>1 S ABUT</u> Station <u>1+514.0 0-288.11</u> Offset <u>6.2 4.83m-LT</u> Ground Surface Elev. <u>188.27</u> m (m)	DEPT	BLOW	UCS	MOIST	Surface Water Elev. <u>192.56</u> m		DEPT	BLOW	UCS	MOIST
						Stream Bed Elev. _____ m	Groundwater Elev.: First Encounter <u>192.7</u> m $\nabla$ Upon Completion <u>190.8</u> m $\nabla$ After _____ Hrs.				
BITUMINOUS & CONCRETE PAVEMENT Over Black SILTY CLAY									22	4.5	
Soft Black SILTY CLAY mixed with Pebbles								53	434	15.0	
Very Soft Black SILTY LOAM (Crumbly & Organic)								32			12.0
Hard 25mm LIMESTONE Layer Over Dense Gray & Black SHALE BOND FORMATION PENNSYLVANIAN SYSTEM								19	4.5		
Dense Red Brown SHALE								17	484	15.0	
Soft Gray SILTY CLAY TILL								25	P		
Very Stiff Gray CLAY TILL								19	4.5		
Dense Red Brown SHALE								34	484	14.0	
Soft Gray SILTY CLAY TILL								90	P		
Very Stiff Gray CLAY TILL								47			
Dense Red Brown SHALE								53		15.0	
Soft Gray SILTY CLAY TILL								2	0.5		
Very Stiff Gray CLAY TILL								2	48	25.0	
Soft Gray SILTY CLAY TILL								2	P		
Very Stiff Gray CLAY TILL								3	1.0		
Soft Gray SILTY CLAY TILL								3	36	28.0	
Very Stiff Gray CLAY TILL								4	P		
Soft Gray SILTY CLAY TILL								4	P		
Very Stiff Gray CLAY TILL								2	0.4		
Soft Gray SILTY CLAY TILL								3	38	21.0	
Very Stiff Gray CLAY TILL								4	B		
Soft Gray SILTY CLAY TILL								4	P		
Very Stiff Gray CLAY TILL								4	3.3		
Soft Gray SILTY CLAY TILL								8	246	18.0	
Very Stiff Gray CLAY TILL								9	B		
Soft Gray SILTY CLAY TILL								5	4.3		
Very Stiff Gray CLAY TILL								8	492	22.0	
Soft Gray SILTY CLAY TILL								15	B		

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. 8-89)

**ESCA**  
CONSULTANTS, INC.

DESIGNED BY:	ELH	11/05
DRAWN BY:	DWH	11/05
CHECKED BY:	ELH	05/06
APPROVED BY:	RDP	05/06

SOIL BORINGS  
 IL ROUTE 251 OVER  
 SANDY CREEK  
 FAS ROUTE 253 - SECTION 68(BR, BR-1)  
 MARSHALL COUNTY  
 STATION 166+20  
 STRUCTURE NO. 062-0071