



SOIL BORING LOG

Date 5/27/05

ROUTE Short Road DESCRIPTION Short Road over CN/C Railroad LOGGED BY E. Sandschafer
 SECTION 05-00186-00-BR LOCATION SE 1/4, SEC. 23, TWP. 2 S. RNG. 4 E. 3 PM
 COUNTY Jefferson DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. Station	B L O C K S	U C S	M O I S T U R E	Surface Water Elev. Stream Bed Elev.	Groundwater Elev. First Encounter Upon Completion After Hrs.	D E P T H (ft)	B L O C K S	U C S	M O I S T U R E	D E P T H (ft)	B L O C K S	U C S	M O I S T U R E
041-9926 10' W of exist W Abut 5.00' N of centerline Ground Surface Elev. 194.80				N/A	N/A	501.3	174.10	504"	10				
1" oil & chip surface over estimated soil cement base w/ gravel.													
Brown, CLAY.													
Stiff, damp, gray, CLAY w/ silt.													
Red mottled gray, w/ some sand, sample broken.													
Soft to medium, damp, brown, SILTY LOAM.													
Stiff, damp, brown mottled red, CLAY w/ silt.													
Stiff, damp, gray marbled red, SILTY CLAY.													
Stiff, damp, gray marbled red, CLAY w/ black specks and sandstone fragment.													

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, Form 138 (Rev. 8-98)

BORING 1



ROCK CORE LOG

Date 5/27/05

ROUTE Short Road DESCRIPTION Short Road over CN/C Railroad LOGGED BY E. Sandschafer
 SECTION 05-00186-00-BR LOCATION SE 1/4, SEC. 23, TWP. 2 S. RNG. 4 E. 3 PM
 COUNTY Jefferson CORING METHOD Rotary, surf set diamond bit

STRUCT. NO. Station	CORING BARREL TYPE & SIZE	D E P T H (ft)	C O R E D I A M E T E R (in)	R E C O V E R Y (%)	R E T E N T I O N (%)	C O R E S T R E N G T H (tsf)
041-9926 10' W of exist W Abut 5.00' N of centerline Ground Surface Elev. 194.80	NW, conv dbl bbl, split inner Core Diameter 2.06 in Top of Rock Elev. 175.30 ft Bagin Core Elev. 174.10 ft	501-3	174.10	87	87	0.7
Brown, slightly weathered, SANDY CLAY SHALE.						
Brown and gray, moderately weathered, SANDY CLAY SHALE.						
Extent of exploration.						

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-2338)
 BBS, Form 138 (Rev. 8-98)



SOIL BORING LOG

Date 6/9/05

ROUTE Short Road DESCRIPTION Short Road over CN/C Railroad LOGGED BY E. Sandschafer
 SECTION 05-00186-00-BR LOCATION SE 1/4, SEC. 23, TWP. 2 S. RNG. 4 E. 3 PM
 COUNTY Jefferson DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. Station	B L O C K S	U C S	M O I S T U R E	Surface Water Elev. Stream Bed Elev.	Groundwater Elev. First Encounter Upon Completion After Hrs.	D E P T H (ft)	B L O C K S	U C S	M O I S T U R E	D E P T H (ft)	B L O C K S	U C S	M O I S T U R E
041-9926 10' E of exist E Abut 4.00' S of centerline Ground Surface Elev. 194.80				N/A	N/A	501.3	174.10	504"	10				
1" oil & chip surface over estimated soil cement base w/ gravel.													
Gray, SILTY LOAM.													
Stiff, damp, red mottled gray, CLAY.													
Medium, damp, red w/ gray veining, CLAY.													
Very stiff, very moist, red mottled gray, SANDY CLAY TILL.													
Medium, damp, red mottled gray, SILTY CLAY.													
Medium to stiff, damp, gray mottled red, CLAY w/ silt.													
Stiff, damp, gray/black/red, CLAY TILL.													

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, Form 137 (Rev. 8-98)

BORING 2

<p>HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400</p>	BORINGS SECTIONS 05-00186-00-BR / 06-00001-00-BR VILLAGE OF BLUFORD JEFFERSON COUNTY STRUCTURE NO. 041-9931 / STATION 10+00	
	PROJECT NUMBER: 12-49-0005-1	DATE: 03/21/07
	DESIGNED: R.J.P.	CHECKED: S.W.M.
	DRAWN: D.B.	