

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	OF	TOTAL
383	29R-T	McHENRY	88		71
F.A.P. 383		ILLINOIS		FED. AID PROJECT	

CONTRACT NO. 62202

BORING NO. B-7 (1 OF 1)

BORING NO. B-8 (1 OF 1)

BORING NO. B-9 (1 OF 1)

**GROUND ENGINEERING CONSULTANTS, INC.**  
**STRUCTURE BORING LOG**

Page 1 of 1  
Date 3/14/02

ROUTE \_\_\_\_\_ DESCRIPTION \_\_\_\_\_

SECT. \_\_\_\_\_ STRUCT. NO. \_\_\_\_\_ DRILLED BY BP

COUNTY McHenry LOCATION US 14 over Mokeler Creek S. \_\_\_\_\_, TWP. \_\_\_\_\_, RNG. \_\_\_\_\_

Boring No. B-7  
Station 0+913.195  
Offset 11.8 m Lt

Surface Elev. 283.30 (m)

DEPTH (m)	D E P T H	B L O W S	QU KPa	W %	DESCRIPTION	DEPTH (m)	D E P T H	B L O W S	QU KPa	W %
275.5		4	30		FILL, 6" concrete, topsoil, sand & clay, black & brown, medium dense	275.5		9		15
		5						10		
		5			SANDY LOAM, brown & gray, medium dense			11		
		4						8		11
-1.5		6	19		STONE & GRAVEL, brown, extremely dense, saturated	-1.5		10		
		8						12		
281.5		20	12		SANDY LOAM, brown, loose to medium dense	281.5		5		10
		50						8		
		27			SAND, light gray & brown, medium dense to dense, saturated			14		
		33						12		
280.6		6	19		SAND, some gravel, brown, medium dense, saturated	280.6		6		13
		6						8		
-3.0		2			SAND, some gravel, brown, medium dense, saturated	-3.0		12		
		2						8		
280.3		3	19		SANDY LOAM, brown, loose	280.3		2		18
		2						2		
		2			SANDY LOAM, brown, loose			2		11
		2						3		
-4.5		2	14		SAND, some gravel, brown, medium dense, saturated	-4.5		2		14
		2						3		
277.9		3	12		SAND, some gravel, brown, medium dense, saturated	277.9		2		14
		7						3		
		7			SAND, some gravel, brown, medium dense, saturated			8		23
		4						5		
-6.0		6	16		SAND, tr. gravel, brown, medium dense to dense, saturated	-6.0		2		16
		9						7		
		9			SAND, tr. gravel, brown, medium dense to dense, saturated			15		15
		12						15		
277.1		9	16		SAND, tr. gravel, brown, medium dense to dense, saturated	277.1		5		16
		12						7		
		9			SAND, tr. gravel, brown, medium dense to dense, saturated			15		15
		16						15		
-7.5		12	16		SAND, tr. gravel, brown, medium dense to dense, saturated	-7.5		15		15

Surface Water Elev. \_\_\_\_\_  
Groundwater Elev. when drilling \_\_\_\_\_  
at Completion \_\_\_\_\_  
after \_\_\_\_\_ Hrs. 283.30

END OF BORING 271.3 -12.0

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test  
Stations, Depths, Offset, and Elevations are in Meters

**GROUND ENGINEERING CONSULTANTS, INC.**  
**STRUCTURE BORING LOG**

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Date 3/14/02

ROUTE \_\_\_\_\_ DESCRIPTION \_\_\_\_\_

SECT. \_\_\_\_\_ STRUCT. NO. \_\_\_\_\_ DRILLED BY BP

COUNTY McHenry LOCATION US 14 over Mokeler Creek S. \_\_\_\_\_, TWP. \_\_\_\_\_, RNG. \_\_\_\_\_

Boring No. B-8  
Station 0+926.718  
Offset 12.3 m Rt

Surface Elev. 283.40 (m)

DEPTH (m)	D E P T H	B L O W S	QU KPa	W %	DESCRIPTION	DEPTH (m)	D E P T H	B L O W S	QU KPa	W %
274.5		3	27		FILL, sand & clay, brown & dark brown, loose	274.5		18		13
		4						23		
		5			SANDY LOAM, brown & gray, medium dense			30		
		3						21		13
281.9		3	21		SANDY LOAM, gray & brown, very stiff to hard	281.9		42	192	13
		3						33		
-1.5		3			SAND, some gravel, brown, medium dense, moist	-1.5		13		14
		10						10		
281.0		10	14		SANDY CLAY, brown, stiff	281.0		2		21
		13						4	144	
280.2		5	21		SAND, light gray & brown, medium dense to dense, saturated	280.2		5		21
		2						13		11
-3.0		4			SAND, some gravel, brown, medium dense, saturated	-3.0		18	431	
		5						21		
280.2		7	12		SAND, light gray & brown, medium dense to dense, saturated	280.2		7		12
		6						6		
-8.0		4			SAND, light gray & brown, medium dense to dense, saturated	-8.0		8		12
		8						8		
271.4		6	14		SAND, light gray & brown, medium dense to dense, saturated	271.4		13		31
		4						21		
-4.5		8			SAND, light gray & brown, medium dense to dense, saturated	-4.5		13		31
		5						9		11
271.4		5	11		SAND, light gray & brown, medium dense to dense, saturated	271.4		5		11
		9						11		
-8.0		6			SAND, light gray & brown, medium dense to dense, saturated	-8.0		6		12
		4						4		
271.4		8	12		SAND, light gray & brown, medium dense to dense, saturated	271.4		8		12
		11						15		
-7.5		8			SAND, light gray & brown, medium dense to dense, saturated	-7.5		11		12
		11						15		
271.4		11	14		SAND, light gray & brown, medium dense to dense, saturated	271.4		11		14
		20						27		
-7.5		27			SAND, light gray & brown, medium dense to dense, saturated	-7.5		20		14
		11						27		

Surface Water Elev. \_\_\_\_\_  
Groundwater Elev. when drilling \_\_\_\_\_  
at Completion \_\_\_\_\_  
after \_\_\_\_\_ Hrs. \_\_\_\_\_

END OF BORING 271.4 -12.0

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test  
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**GROUND ENGINEERING CONSULTANTS, INC.**  
**STRUCTURE BORING LOG**

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Date 3/19/02

ROUTE \_\_\_\_\_ DESCRIPTION \_\_\_\_\_

SECT. \_\_\_\_\_ STRUCT. NO. \_\_\_\_\_ DRILLED BY BP

COUNTY McHenry LOCATION US 14 over Mokeler Creek S. \_\_\_\_\_, TWP. \_\_\_\_\_, RNG. \_\_\_\_\_

Boring No. B-9  
Station 0+898.079  
Offset 11.3 m Lt

Surface Elev. 283.44 (m)

DEPTH (m)	D E P T H	B L O W S	QU KPa	W %	DESCRIPTION	DEPTH (m)	D E P T H	B L O W S	QU KPa	W %
275.8		2	29		FILL, 8.5" concrete, topsoil, clay & sand, black & brown, medium dense	275.8		9		9
		5						9		
		5			SANDY LOAM, brown & gray, medium dense & dense			12		
		3						10		11
281.9		7	16		SAND, some gravel, brown, dense, saturated	281.9		19		
		5						19		
-1.5		3			SAND, some gravel, brown, dense, saturated	-1.5		5		10
		7						15		
280.3		20	10		SANDY LOAM, brown, loose	280.3		5		15
		15						20		
-3.0		8			SANDY LOAM, brown, loose	-3.0		8		15
		13						13		10
280.3		13	11		SANDY LOAM, brown, loose	280.3		13		11
		18						27		
-3.0		2			SANDY LOAM, brown, loose	-3.0		2		18
		2						4		
280.3		2	18		SANDY LOAM, brown, loose	280.3		2		18
		2						4		
-4.5		2			SANDY LOAM, brown, loose	-4.5		2		11
		2						3		
271.4		14	10		SANDY LOAM, brown, loose	271.4		14		10
		13						16		
-12.0		16			SANDY LOAM, brown, loose	-12.0		16		
		2						3		
271.4		2	14		SANDY LOAM, brown, loose	271.4		2		14
		3						2		
-8.0		8			SANDY LOAM, brown, loose	-8.0		8		23
		5						2		
277.1		2	16		SAND, tr. gravel, brown, medium dense to dense, saturated	277.1		2		16
		7						15		
-7.5		15			SAND, tr. gravel, brown, medium dense to dense, saturated	-7.5		15		15
		15						15		

Surface Water Elev. \_\_\_\_\_  
Groundwater Elev. when drilling \_\_\_\_\_  
at Completion \_\_\_\_\_  
after \_\_\_\_\_ Hrs. 283.44

END OF BORING 271.4 -12.0

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test  
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Sheet S1-32 of 37

**BORING LOGS (2 of 7)**

U.S. 14 RETAINING WALLS  
AT MOKELER CREEK  
SECTION 29R-T  
McHENRY COUNTY  
STA. 0+647.90 TO STA. 0+982.78  
AT STRUCTURE NO. 056-007

Date: February, 2005 Scale: None

DESIGNED J.S./R.A.  
CHECKED H.T./N.S.  
DRAWN J.S./B.I.D.  
CHECKED H.T./M.R.

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