

Patrick Engineering Inc.  
STRUCTURE BORING LOG

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Date 4/22/09

ROUTE 0336 DESCRIPTION Crystal Creek Culvert Extension

SECT. 05-00308-00-WR STRUCT. NO. DRILLED BY Groff Testing

COUNTY McHenry LOCATION Crystal Lake, IL S. 17, TWP. 43N, RNG. 8E

Boring No. B-7  
Station 113+00  
Offset 85ft R  
Surface Elev. 860.00 ft  
Surface Water Elev. \_\_\_\_\_  
Groundwater Elev.: \_\_\_\_\_  
when drilling Dry  
at Completion Dry  
after \_\_\_\_\_ Hrs. \_\_\_\_\_

DEPTH	DESCRIPTION	DEPTH	BLOWS	QU	W
0	Black topsoil				
1			0	NP	23
1	Gray fine sand, trace roots, soft, moist		1		
2			1	NP	11
2			2		
2			2		
2			3		
2	Brown clay, with medium sand, trace fine gravel, soft, moist		2		14
2			2		
2			3		
2			2		13
2			2		
2			2		
2			6		
2			3	2.0	11
2			5	*	
2			6		
2	Gray silty loam, with medium to coarse sand, moist		2	NP	15
3			3		
3			3		
2	Brown clay, with medium to coarse sand, trace fine gravel, medium stiff, moist		2		13
2			2		
3			3		
1			1		12
3			3		
3			3		
3	Brown clay, with medium to coarse sand, trace fine gravel, stiff, moist		3	1.5	12
5			5	*	
6			6		

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 Feet

\* qu values determined using pocket penetrometer

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STRUCTURE BORING LOG

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Date 4/24/09

ROUTE 0336 DESCRIPTION Retaining Wall #1

SECT. 05-00308-00-WR STRUCT. NO. DRILLED BY Groff Testing



COUNTY McHenry LOCATION Crystal Lake, IL S. 9, TWP. 43N, RNG. 8E

Boring No. B-17  
Station 186+00  
Offset 70ft L  
Surface Elev. \_\_\_\_\_ ft  
Surface Water Elev. \_\_\_\_\_  
Groundwater Elev.: \_\_\_\_\_  
when drilling Dry  
at Completion Dry  
after \_\_\_\_\_ Hrs. \_\_\_\_\_

DEPTH	DESCRIPTION	DEPTH	BLOWS	QU	W
0	6" topsoil				
3	Dark brown silty clay with coarse sand and fine gravel, stiff, moist		3		16
5			5		
3			3		15
3			3		
3			4		
2			2		15
4			4		
6			6		
7	Brown medium to coarse sand and fine gravel, poorly graded, medium dense, moist		7	NP	6
6			6		
6			6		

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 Feet

BORINGS II

	USER NAME = Rdmj.Lisle	DESIGNED - A. Durbak	REVISED -		<b>MCHENRY COUNTY</b> <b>DIVISION OF TRANSPORTATION</b>	<b>RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31</b> <b>SOIL BORINGS</b>		F.A. RTE. 0336	SECTION 05-00308-00-WR	COUNTY MCHENRY	TOTAL SHEETS 606	SHEET NO. 424
	PLOT CONFIG= PDF(Grey, Large).plt	DRAWN - A. Durbak	REVISED -			SCALE: NONE	SHEET NO. STR 22 OF 22	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	CONTRACT NO.		
PLOT SCALE = 1/4	CHECKED - A. Yargicoglu	REVISED -										
PLOT DATE = 7/28/2010	DATE - 8/2/2010	REVISED -										