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SOIL BORING LOG

DATE 10/3/2012
LOGGED BY MD
GSI JOB No. 08032

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60563
(630) 358-2638

ROUTE F.A. 361 DESCRIPTION Stearns Road (IL Route 25) From Dunham Road To CC&P RR
SECTION 98-00214-02-BR LOCATION SEC. 1-SW 1/4, TWP. 40 N., RNG. 8 E., 3rd P.M.
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 045-3168
Station -
BORING NO. UP-05
Station: 2001+38 UPRR
Offset: 27.9' Left
Ground Surface Elev. 731.5

DEPTH (ft)	BLOW S	UCS Qu	MOIST T (%)	Surface Water Elev.		Stream Bed Elev.		Groundwater Elevation:	
				(ft)	(/6")	(tsf)	(%)	(ft)	(/6")
				n/a		n/a		Dry to 10.0'	n/a
								Upon Completion	
								After	
649.5									
29									
32									
-85	34	NP	16						
644.5									
35									
50	5								
-90			8						
23									
31									
-95	45		8						
50	4								
-100			7						

CLAYEY SAND & GRAVEL-gray-very dense (A-2)
SAND-gray-very dense (A-3)
SANDY GRAVELLY CLAY LOAM with Fractured Rock-gray-very dense (A-2)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR-No Recovery

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				(ft)	(/6")	(tsf)	(%)	(ft)	(/6")
				n/a		n/a		Dry to 10.0'	n/a
								Upon Completion	
								After	
611.1									
-125									
601.5-130									
-135									
-140									

RUN 1 (-120.0' to -120.4') SILTY CLAY LOAM
RUN 1 (-120.4' to -130.0') Silurian System, Niagaran Series Dolomite
Gray & fine grained with horizontal bedding. Soft & argillaceous with some thin clay partings. Tight horizontal fractures throughout. Becoming light gray with wavy bedding & some chert nodules @ -127.2'.
Recovery=98.5%
R.Q.D.=50.2%

End Of Boring @ -130.0'
Hollow Stem Augers To -10.0'
Rotary Drilling To Completion
10.0' Of 4.0" Casing Used
CME Automatic Hammer

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FILE NAME = Parr_Br_010_Borings_6.dgn	USER NAME = mginn	DESIGNED = JLS	REVISIONS = -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		M.P. 37.71 BELVIDERE SUBDIVISION - STRUCTURE NO. 045-3168 LOG OF BORINGS (6 OF 8)		F.A.P. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE = 12/13/2012	CHECKED = LRB	DRAWN = RMG	REVISIONS = -					361	06-00214-38-RP	KANE	451	270
	CHECKED = LRB	REVISIONS = -		SHEET NO. UP-10 OF UP-52 SHEETS		CONTRACT NO. 63598		ILLINOIS FED. AID PROJECT				

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12/13/2012