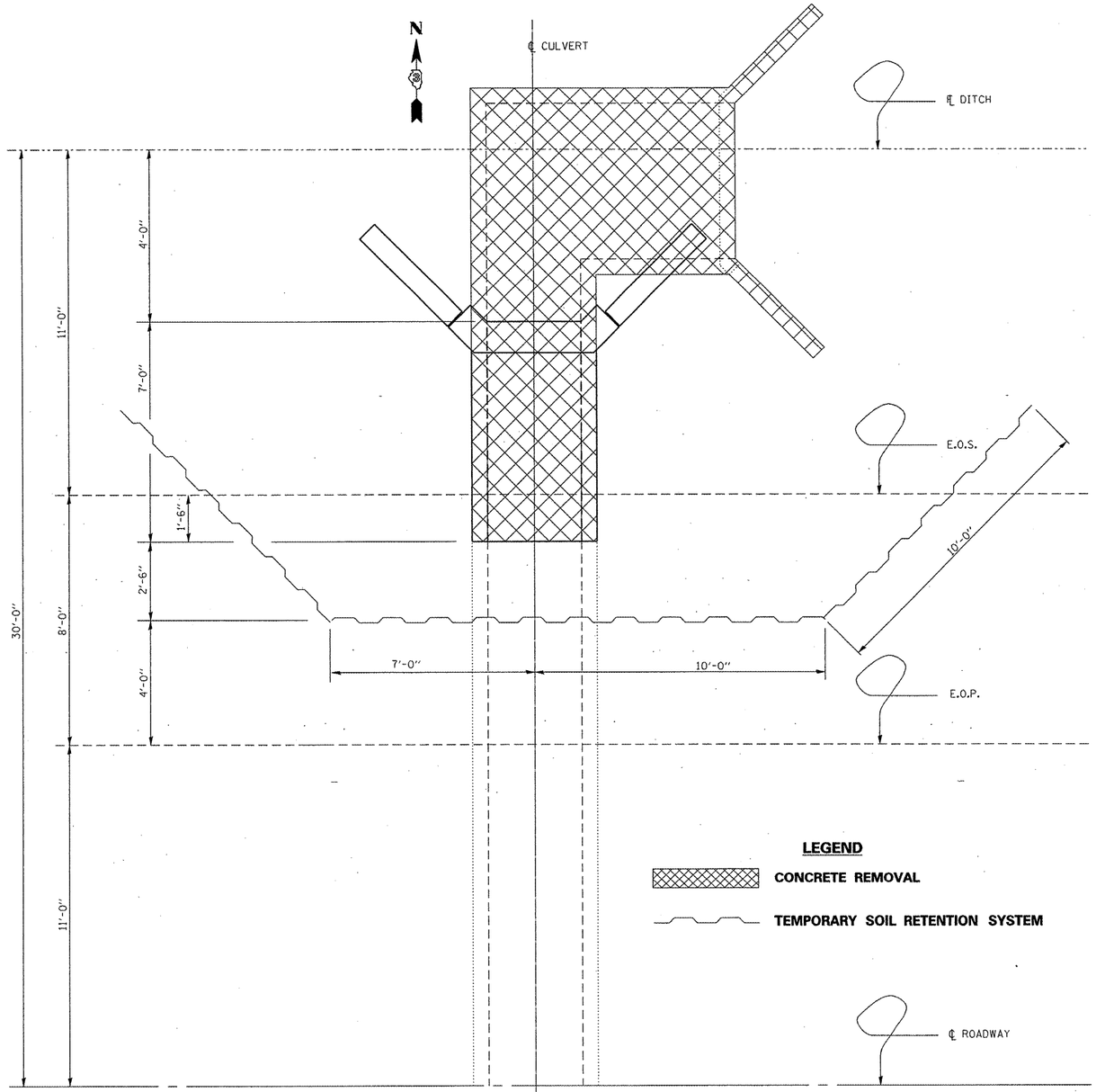

PLAN

STA. 679+34 LT.

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 9/18/09

ROUTE IL 30 DESCRIPTION 5'x2' Box Culvert on IL 30, 0.77 miles East of IL Route 23 LOGGED BY LM

SECTION (116,128)T LOCATION East 1/2, SEC. 14, TWP. 38N, RNG. 4E

COUNTY Dekalb DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. None
Station 679+34

BORING NO. 1 (NE Quad, on Shldr.)
Station 679+47
Offset 18.00ft Lt.
Ground Surface Elev. 769.13 ft

Surface Water Elev. 765.34 ft
Stream Bed Elev. 764.09 ft

Groundwater Elev.:
First Encounter 757.1 ft ▼
Upon Completion 757.1 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Gray Shoulder Stone, Brown Sand & Gravel Fill & Black Silty Clay Loam Fill	766.63				
Hard to Very Stiff Black, Brown, Gray Silty Clay & Silty Clay Loam Fill	764.63		4		
			3	4.0	17.0
			5	P	
Stiff Brown & Gray Silty Clay Loess	762.13	-5			
			2		
			2	1.0	26.9
			3	P	
Soft Brown Loam/Clay Loam with Sand, Gravel & Free Water, Large Gravel pieces	757.13 ▼				
			2		
			1	0.5	14.2
			2	P	
		-10			
			5		
			4	1.0	11.7
			5	P	
Hard Gray Silty Clay Loam Till	754.13	-15			
			5		
			7	4.3	12.0
			8	S	
Medium Gray Silt & Fine to Medium Sand	752.13				
			5		
			7		19.7
			10		
Medium Gray/Brown Fine Sand to Medium Gravel (Washed Sample 20'-21.5')		-20			
			5		
			5		18.8
			5		
Medium Gray/Brown Fine Sand to Medium Gravel (Washed Sample 20'-21.5') (continued)	746.63				
			5		
			8		19.5
			10		
Very Stiff to Hard Grayish Brown Silty Clay Loam Till			9		
			5	3.2	14.2
			5	B	
		-25			
			5		
			8	5.4	17.5
			13	S	
		-30			
			11		
			16	6.7	21.4
			17	S	
		-30			
			9		
			10	6.4	9.0
			10	S	
End of Boring	737.63				
		-35			
		-40			

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. 8-99)

FILE NAME = c:\pw_work\PWIDOT\WOODSHANKRL\d0135041\D366939-details.dgn	USER NAME = woodshankrl	DESIGNED - RON WOOD SHANK	REVISED -
		DRAWN - RON WOOD SHANK	REVISED -
	PLOT SCALE = 48.0349 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Feb 08, 2010 - 01:51:42 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT RECONSTRUCTION

SCALE: ___ SHEET NO. 1 OF 3 SHEETS STA. 679+23 LT.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573/557	(116,128)T	DE KALB	21	19
		CONTRACT NO. 66939		
		ILLINOIS		

Rev. 2-11-10