

STC Consultants Ltd.
STRUCTURE BORING LOG

JOB NO. 32931 Date _____ Page 1 of 1

ROUTE IL RTE 43 DESCRIPTION Tinley Creek Culvert

SECT. _____ STRUCT. NO. 016-2400 DRILLED BY Franks-CME 45

COUNTY Cook LOCATION Illinois Route 43 & Tinley Creek, Orland Park, IL

Boring No.	Station	Offset	DEPTH	BLOW	QU	W	Surface Water Elev.	Groundwater Elev.	DEPTH	BLOW	QU	W
			H	S	tsf	%			H	S	tsf	%
B-2	19+32	30' Lt.										
			659.79									
			658.29									
			657.79									
			652.79									
			651.79									
			646.79									
			641.79									
			640.29									
			634.79									
			634.29									

8" concrete, 4" gravel base course
 Fill: Cinders, sand and topsoil - dark brown
 Fill: Very stiff, brown CLAY with trace sand and gravel

ORGANIC CLAY noted on augers
 Hit concrete at 7.5' offset
 4" East
 Very stiff, brown to brownish gray CLAY with trace sand and gravel
 Medium CLAY from 10.0' to 11.5'

Very stiff to hard, gray CLAY with trace sand and gravel
 Layers of saturated SILT noted.

Hard, brown and gray mottled CLAY with little sand and gravel
 Limestone noted at 19.0'
 Stiff to hard, gray CLAY

Medium dense, gray

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

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			H	S	tsf	%			H	S	tsf	%
B-1	20+94	30' Rt.										
			656.28									
			651.28									
			649.28									
			642.28									
			643.78									
			642.28									
			638.78									
			633.78									
			632.28									

8" concrete, 4" gravel base course
 Fill: Hard, brown CLAY with trace sand and gravel

Fill: Stiff to very stiff, brown, black and gray CLAY with organics noted
 Fill: Very stiff, brown CLAY with trace sand and gravel

Rock split sample from 10.0' to 11.5'

Brown and gray mottled from 12.5' to 13.5'
 Stiff gray, ORGANIC CLAY

Very stiff to hard, brown and gray mottled CLAY
 Seams of wet silt noted.

Stiff, gray to dark gray ORGANIC CLAY & CLAY layers
 Silt layers noted.

Hard gray, CLAY with trace sand and gravel

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

COLLINS ENGINEERS, INC.
 123 N. WACKER DR.
 SUITE 300
 CHICAGO, IL 60606
 (312) 704-9300
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-000993

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 HARLEM AVENUE (IL. 43) OVER
 TINLEY CREEK
 FAP ROUTE 348 SECTION (1214 & 3127-1)RS-1
 COOK COUNTY STATION 20+29
 STRUCTURE NO. 016-2400

SOIL BORINGS

DRAWN BY: KAC
 CHECKED BY: PAS/DGS DATE: JULY, 2003