

LOG OF TEST HOLE

TEST HOLE NO.
TH03-103

LOCATION: See Drawing No. 14-188-9-1

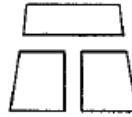
CLIENT: School District #61
PROJECT: Kenneth Street Property

TOP OF HOLE ELEV: 27.27m

METHOD: Solid Stem Auger

DRILLING CO.: Drillwell Enterprises Ltd.

INSPECTOR: P.J.W.



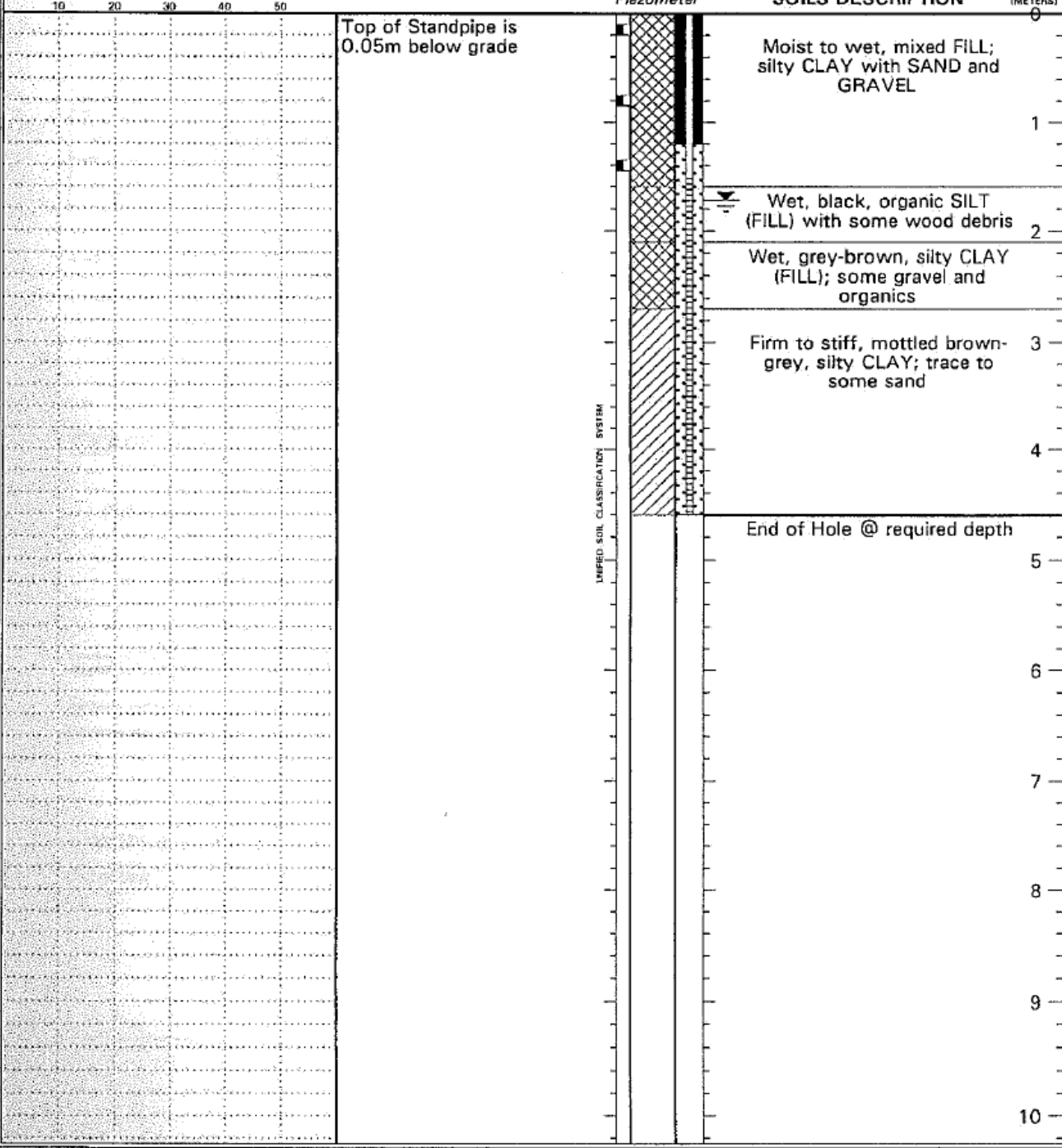
THURBER

DATE: December 22, 2003

FILE NO.: 14-188-9

SCALE: 1:50

PENETRATION (blows per 300 mm)	WATER CONTENT (%)	WATER LEVEL	SAMPLES
	○ Disturbed ● Undisturbed	Plastic Liquid ----- Limit Limit	■ Disturbed □ Undisturbed ⊗ No recovery

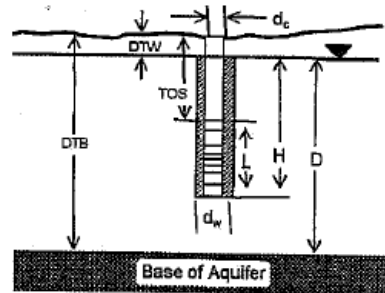


WELL ID: TH03-103

Local ID: 14-188-9
 Date: 1/13/04
 Time:

INPUT

Construction:	
Casing dia. (d_c)	5.08 cm
Annulus dia. (d_w)	10.16 cm
Screen Length (L)	3.05 Meter
Depths to:	
water level (DTW)	1.68 Meter
top of screen (TOS)	1.55 Meter
Base of Aquifer (DTB)	4.6 Meter
Annular Fill:	
across screen – Medium Sand	
above screen – Bentonite	
Aquifer Material – Fine Sand	



COMPUTED

$L_{wettied}$	2.92 Meter
$D =$	2.92 Meter
$H =$	2.92 Meter
$L/r_w =$	6.90
y_0 -DISPLACEMENT =	42.00 cm
y_0 -SLUG =	49.91 cm

From look-up table using L/r_w

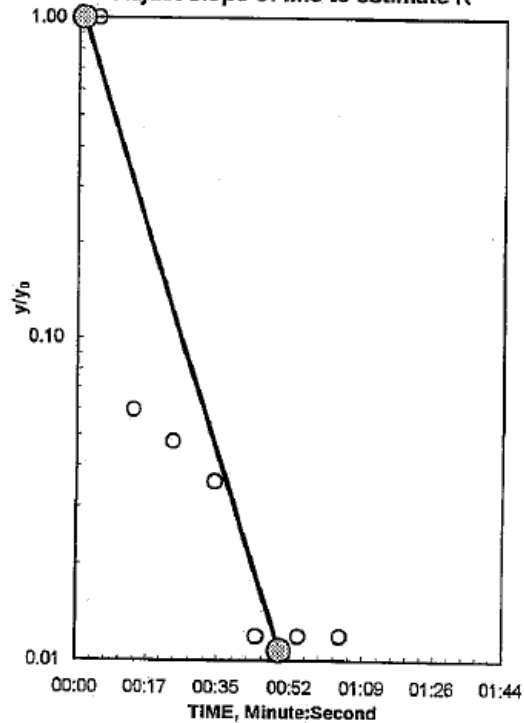
Fully penetrate $C = 1.024$
 $\ln(Re/r_w) = 1.877$
 $Re = 1.09$ cm

Slope = $0.040988 \log_{10}/\text{sec}$
 $t_{90\% \text{ recovery}} = 24$ sec

Input is consistent.

$K = 0.006$ cm/Second

Adjust slope of line to estimate K



REMARKS:

Bouwer and Rice analysis of slug test, WRR 1976

Initial test