

Sheet 1 of 1

LOG OF TEST HOLE

TEST HOLE NO.
TH03-101

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

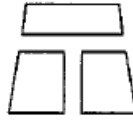
CLIENT: School District #61
PROJECT: Kenneth Street Property

TOP OF HOLE ELEV: 28.80m

METHOD: Solid Stem Auger

DRILLING CO.: Drillwell Enterprises Ltd.

INSPECTOR: P.J.W.

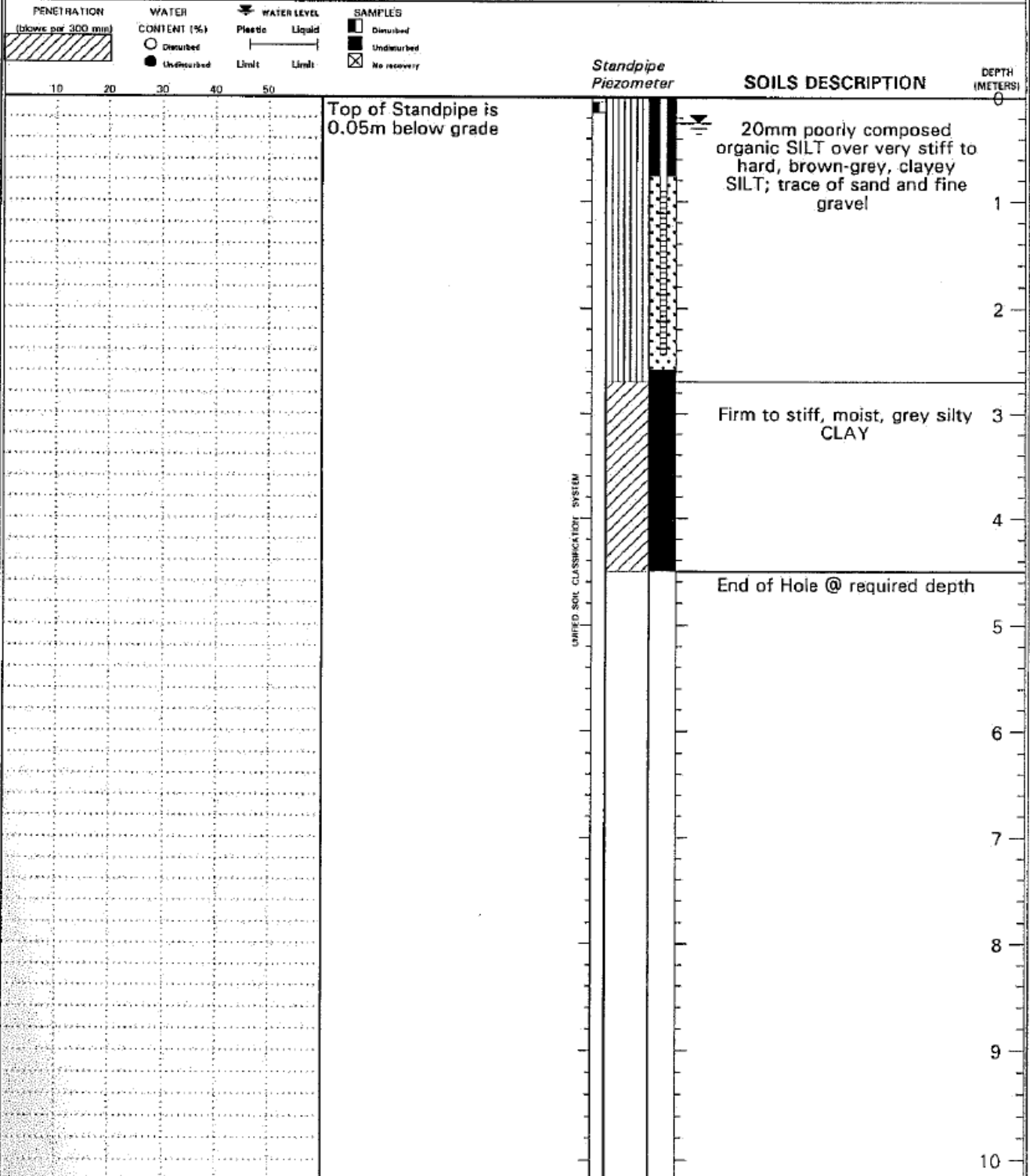


THURBER

DATE: December 18, 2003

FILE NO.: 14-188-9

SCALE: 1:50



WELL ID: TH03-101

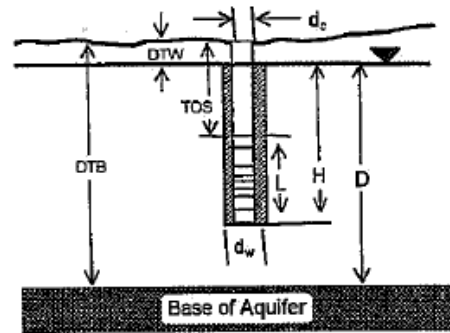
Local ID: 14-188-9

Date: 1/13/04

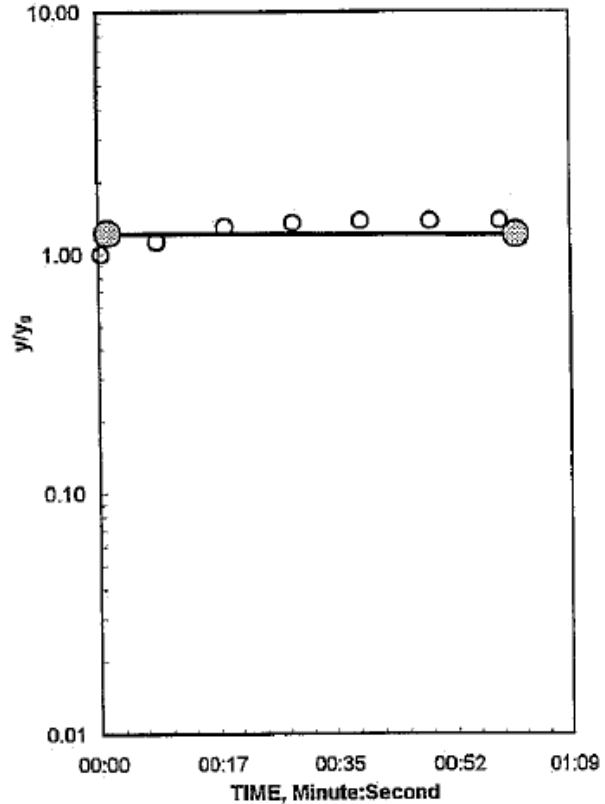
Time:

INPUT

Construction:	
Casing dia. (d_c)	5.08 cm
Annulus dia. (d_w)	10.16 cm
Screen Length (L)	1.524 Meter
Depths to:	
water level (DTW)	0.93 Meter
top of screen (TOS)	0.9144 Meter
Base of Aquifer (DTB)	2.54 Meter
Annular Fill:	
across screen – Medium Sand	
above screen – Bentonite	
Aquifer Material – Clay soils (surface)	



Adjust slope of line to estimate K



COMPUTED

$L_{wettered}$	1.5084 Meter
$D =$	1.61 Meter
$H =$	1.5084 Meter
$L/r_w =$	3.56
Y_0 -DISPLACEMENT =	40.30 cm
Y_0 -SLUG =	48.57 cm
From look-up table using L/r_w	
Partial penetrate $A =$	1.738
$B =$	0.229
$\ln(Re/r_w) =$	1.047
$Re =$	0.48 cm
Slope =	0.000134 \log_{10}/sec
$t_{50\%}$ recovery =	7441 sec
Input is consistent.	
$K = 0.00002 \text{ cm/Second}$	

REMARKS:

Bouwer and Rice analysis of slug test, WRR 1976

Initial test