

# PRIMEX ENVIRONMENTAL LTD.

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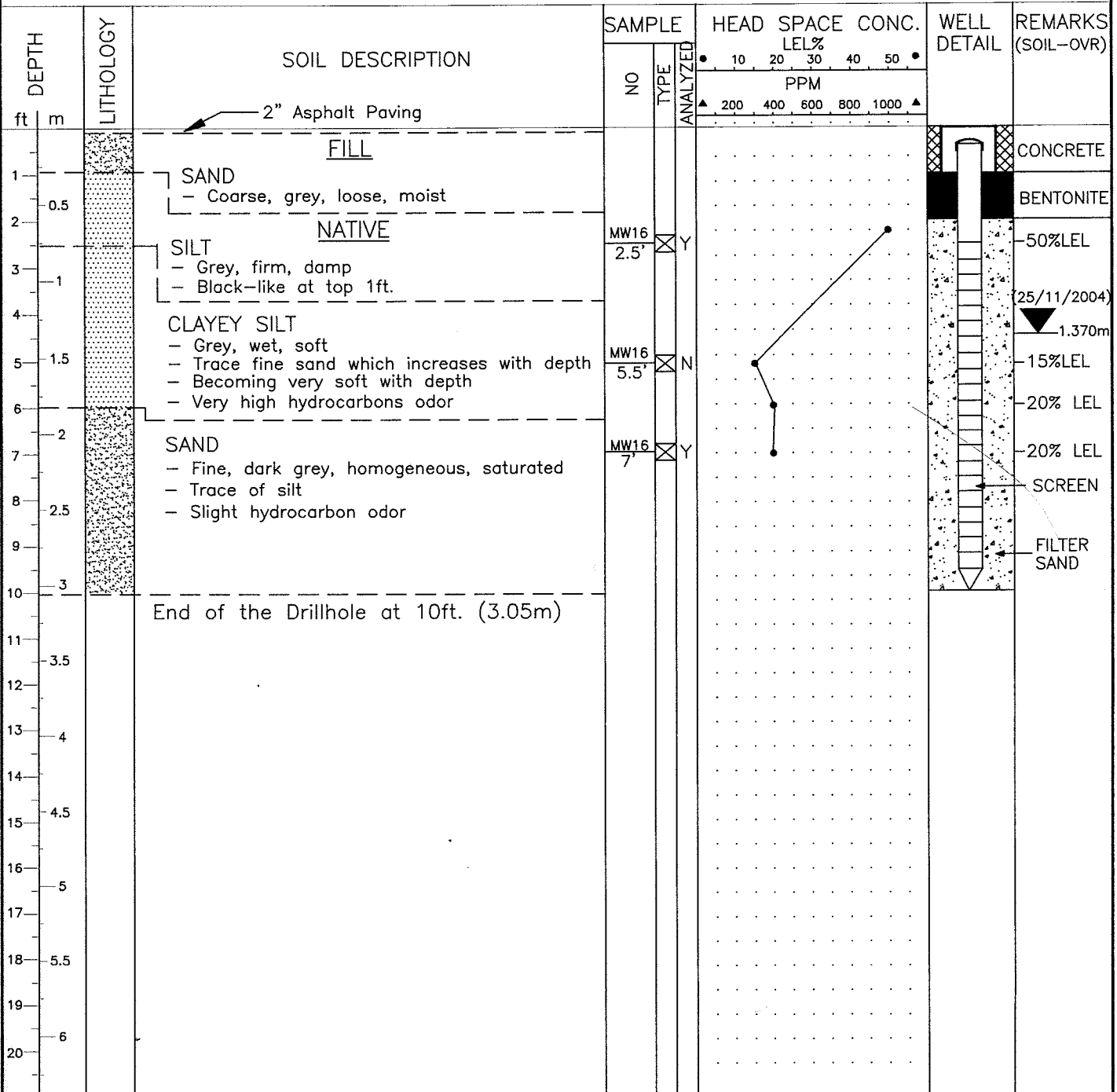
DRILLHOLE NO. MW16

PROJECT NO: JSS-0105-0904

BOREHOLE SIZE: 6" (150mm)  
 RISER CASING: 2" (51mm) i/d PVC  
 SCREEN TYPE: PVC with #10 Horizontal Slots  
 SCREEN LENGTH: 7.5ft. (2.291m)  
 DATUM: Electric Pole Base  
 SUR. ELEV: 99.240  
 GWT. ELEV: 97.87      DATE: Nov. 25, 2004

PROJECT NAME: DSI  
 CLIENT NAME: H.A. Berg Investment Ltd.  
 SITE ADDRESS: 11991-No.1 Road, Richmond, BC  
 DRILLING COMPANY: Beck Drilling Ltd.  
 DRILLING METHOD: Solid Stem Auger  
 DRILLING DATE: Sept. 27, 2004  
 SUPERVISED BY: SKD

SAMPLE TYPE:  AUGER     SPLIT SPOON     GRAB     SHELBY TUBE     CORE  
 LEGEND:  FILTER PACK     BENTONITE     CEMENT GROUT     CUTTING/BACKFILL     SCREEN





**Time Lag (T) Calculations**

t = T when H/H<sub>0</sub> = 0.37

T (sec)	MW9	MW16
	3491.8	2114

**Hydraulic Conductivity (k) Determination**

Hvorslev case G (well point-filter in uniform soil) basic time lag formulas:

$$K_h = \frac{d^2 * \text{Ln} \{mL/D + \text{sqrt} [1 + ( mL/D )^2]\}}{8LT}$$

$$K_h = \frac{d^2 * \text{Ln} \{2mL/D\}}{8LT} \text{ for } mL/D > 4$$

standpipe internal diameter = 0.05 m  
 diameter of the borehole = 0.152 m  
 anisotropy factor = sqrt(10) for more homogenous medium and sqrt(100) for  
 bed or structurally oriented sequence of rock  
 length of well screen

	MW16
	1.678

/D >4	MW9	MW16
3.16	35.2	34.9
10	111.2	110.4

for all wells.

	MW9	MW16	Average
3.16	2.25E-07	3.74E-07	3.00E-07
10	2.86E-07	4.75E-07	3.81E-07
<b>Average</b>	<b>2.56E-07</b>	<b>4.25E-07</b>	<b>3.40E-07</b>

The calculated average value represents the silt to clayey silt soil as per Freeze and Cherry, 1979, and agrees with the silt to clayey silt soil identified within the saturated zone at the location of MW9 and MW16.