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# ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/5-2009

BOREHOLE No   BH13    
SHEET   1   of   1    
REFERENCE No   H10442  

PROJECT   Gateway Upgrade North (GUN)    
LOCATION   At CPTU 13 adjacent to golf course   COORDINATES   509368.7 E; 697160.9 N    
PROJECT No   FP5249   SURFACE R.L.   2.47 m   PLUNGE   -90 °   DATE STARTED   12/10/08   GRID DATUM   MGA94 Zone 56J    
JOB No            HEIGHT DATUM   AHD   BEARING            DATE COMPLETED   12/10/08   DRILLER   Drillsure Pty Ltd  

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD ( ) %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH				DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								EH	VI	IN	VL	EL			
0	2.47					<b>SILTY SAND (TOPSOIL)</b> Brown, dry. Very fine grained sand fraction.	(SM)								
1	1.97				A	<b>SANDY SILT</b> Brown, mainly dry to slightly moist, very soft.  Low plasticity; very fine grained sand; occasional rounded quartzitic and lithic gravels.	(SM)							2,2,3 N=5	SPT
2	0.72				B	<b>SANDY CLAY</b> Grey to mottled brown, mainly moist to slightly wet, very soft.	(SC)							HW,HW,2 N=2	SPT
3	0.17				C	<b>SILTY SAND</b> Brown, wet, very loose.	(SM)							1,HW,1 N=1	SPT
4	-0.73				D	Occasional concreted/cemented zones. <b>RESIDUAL SANDY SILT</b> Grey and red, moist, very stiff to hard.	(ML)							11,14,15 N=29	SPT
5	-2.53				F	Low plasticity; iron concretions sizing up to 30mm throughout.								15,13,20 N=33	SPT
6					G	<b>BASALT FINE GRAINED EXTRUSIVE IGNEOUS ROCK XW:</b> Exhibits the engineering properties of greenish grey, moist, hard, low plastic sandy silt.	XW							10,16,24 N=40	SPT
7	-4.48				H	Relic texture is visible; sand fraction comprises low strength particles.								15,30,30/110 N=>50	SPT
7						Borehole terminated at 6.95m									
8															
9															
10															

REMARKS \_\_\_\_\_

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