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# ENGINEERING BOREHOLE LOG

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

BOREHOLE No **BH8**  
SHEET **1** of **1**  
REFERENCE No **H10438**

PROJECT Gateway Upgrade North (GUN)  
LOCATION At CPTU 8 inside Jalu Site (Cultural heritage site) COORDINATES 509473.2 E; 6970976.7 N  
PROJECT No FP5249 SURFACE R.L. 1.78m PLUNGE -90° DATE STARTED 09/10/08 GRID DATUM MGA94 Zone 56J  
JOB No            HEIGHT DATUM AHD BEARING            DATE COMPLETED 10/10/08 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
0	1.78					<b>SANDY CLAY - POSSIBLE FILL</b> Brown, moist, soft.						
1					A	High plasticity; fine grained sand fraction; occasional subrounded to subangular gravels sizing up to 10mm; occasional flakes of pyrite.	(CH)				1,1,2 N=3	SPT
2	-0.02				B	<b>ESTUARINE SANDY CLAY - PROBABLE OC WEATHERED CRUST</b> Brown, moist, very soft. High plasticity, prominent very fine grained sand fraction; partially to highly decomposed shell fragments throughout.	(CH)				09/10/2008 - Measured at time of drilling HW, HW, 1 N=1; N=1	SPT
3	-0.77				C	<b>RESIDUAL SANDY CLAY</b> Pale grey to white, moist, mainly firm becoming stiff with depth.					2,2,3 N=5	SPT
4					D	High plasticity, occasional ferrogenised zones and iron concretions present; some fine grained sand.	(CH)				2,3,4 N=7	SPT
5					E						3,5,6 N=11	SPT
6	-3.52				F	<b>RESIDUAL CLAYEY SAND</b> Orange, moist, loose becoming medium dense with depth.					4,3,6 N=9	SPT
7					G	Fine grained sand fraction; occasional pale grey zones.	(SC)				4,6,8 N=14	SPT
8	-5.87				H	<b>SANDSTONE FINE GRAINED MASSIVE SEDIMENTARY ROCK</b> XW: Exhibits the engineering properties of orange, moist, medium dense fine grained clayey sand.					6,9,12 N=21	SPT
9					J	Minor clay fraction; becoming dense with depth.	XW				7,11,12 N=23	SPT
10	-8.17				I						8,12,17 N=29	SPT

REMARKS Borehole terminated at 9.95m

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