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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH11
SHEET 1 of 2
REFERENCE No H10440

PROJECT Gateway Upgrade North (GUN)
LOCATION At CPTU 11 COORDINATES 509415.6 E; 6971178.6 N
PROJECT No FP5249 SURFACE R.L. 2.44 m PLUNGE -90 ° DATE STARTED 06/10/08 GRID DATUM MGA94 Zone 56J
JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 07/10/08 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	2.44		CORE REC %								
1	1.44			A	GRAVELLY SANDY SILT Dark brown, dry. (Drilling records only)	(ML)					
2	0.44			B	ESTUARINE SILTY CLAY - WEATHERED OC CRUST Grey, moist, mainly soft to firm. High plasticity; slightly organic zones.	(CH)				2,2,2 N=4	SPT
3	-0.56			C	ESTUARINE SANDY CLAY Brown, moist, very soft. High plasticity; prominent fine grained sand fraction; shell fragments throughout.	(CH)				HW, HW, 1 N=1	SPT
4				D	ESTUARINE SILTY CLAY Grey, moist, soft, insensitive to sensitive. Slightly organic; high plasticity.					Testing from 3.3-3.4m MC=80%, WD=1.54(t/m ³), DD=0.86(t/m ³) PP(Su)=23kPa	U100
5				E	Sample E contains moderately decomposed plant material throughout and partially decomposed shell fragments	CH				Sand lens from approximately 3.5-4m (CPTu logs only)	
6				F						Peak(Su)=34kPa Res(Su)=20kPa	FSV
7	-4.66			G	ALLUVIAL CLAY Light grey, moist, firm. Medium to high plasticity.	CI-CH				MC=78%, WD=1.58(t/m ³), DD=0.88(t/m ³) OC=10.4% LL=66%, PI=38%, LS=16% UU:GS08-556 (See remarks) Oed:GS08-556 (See remarks) PP(Su)=44kPa	U100
8	-5.56			H	ALLUVIAL SANDY CLAY Dark grey, moist, very stiff. Low to medium plasticity; fine grained mainly quartzitic sand fraction; occasional ironstained zones.	(CL-CI)				Peak(Su)=41kPa Res(Su)=10kPa	FSV
9	-6.56			J	ALLUVIAL SILTY CLAY Grey, moist, mainly stiff with occasional very stiff zones. Medium plasticity; occasional ironstained zones and carbonaceous zones.	(CI)				MC=41%, WD=1.82(t/m ³), DD=1.28(t/m ³) OC=7.35% LL=70%, PI=38%, LS=19% UU:GS08-557 (See remarks) Oed:GS08-557 (See remarks) PP(Su)=41kPa	U100
10	-7.56									4,7,12 N=19	SPT
										5,7,11 N=18	SPT

REMARKS Oedometer consolidation testing - Q183/ AS1289.6.6.1 : Specimen number provided, refer to test report for results. UU
= Unconsolidated undrained triaxial test Q173B : Specimen number provided, see test report for results.

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BOREHOLE No BH11
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REFERENCE No H10440

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								EH	VH	IN	N	J	VL	EL		
10	-7.56															
					K	ALLUVIAL SILTY CLAY (Cont)										4,5,8 N=13 SPT
11																
12					L											4,4,6 N=10 SPT
13					M											3,5,6 N=11 SPT
14																
15	-12.51				N											3,5,6 N=11 SPT
15						Borehole terminated at 14.95m										
16																
17																
18																
19																
20																

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