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Gateway Upgrade North (GUN)

PROJECT

ENGINEERING BOREHOLE LOG

BOREHOLE No	<u>BH10</u>
SHEET	<u>1</u> of <u>2</u>
REFERENCE No	<u>H10333</u>

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

LOCATION	At CPTU10	adja				CO	DORDINATES <u>509438.2 E; 6971118</u> .	<u>1 N</u>
PROJECT No FP5249 SURFACE R.L. 2.70 m PLUNGE -90 ° DATE STARTED 05/10/08 GRID DATUM MGA94 Zone 56J						<u>56J</u>		
JOB No			HEIGHT DATUM <u>AHD</u> BEARING		DATE COMPLETED	06/10	0/08 DRILLER Drillsure Pty L	<u>_td</u>
(m) (m) (m) (m) (m) (m) (m) (m) (m) (m)	CORE DECARD	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT DEFECT STRENGTH SPACING (mm) 표풍포로그거리 않응않않?	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
- 1		A	ESTUARINE SILTY CLAY - PROBABLE OC CRUST Black and grey to mottled orange, moist, soft. High plasticity; organic.	(CH)			1,2,2 N=4 ∑ 05/10/2008 - Measured at time	SPT
		в	ESTUARINE SILTY CLAY Grey to mottled orange, mainly moist to slightly wet, very soft. High plasticity: partially decomposed shell	(CH)				SPT
- 		С	fragments throughout; partially decomposed plant material throughout; minor very fine grained sand.	,, I			- — — — MC =64%, WD=1.62(t/m³), DD=0.98(t/m ³) PP(Su)=32kPa Oed:GS08-553(See remarks)	U100
INI Add-In 16/09/20			Grey to dark grey, moist, soft to firm, moderately sensitive. Slightly organic; very minor fine grained sand above 4.0m; high plasticity.				HW,HW,HW	
ile>> Datgel CPT Tool 9		D	Occasional partially decomposed shell fragments present below 4.0m	СН			N<1; MC=75% LL=73%, PI=45%, LS=17%	SPT
- Dawing 2.80		E					Res(Su)=2/kPa	FSV
9			ESTUARINE CLAY Grey, moist, sensitive, soft to firm. High plasticity: sensitive: moderately				MC=87%, WD=1.54(t/m ³), DD=0.82(t/m ³)	
TEWAY NORTH PR		F	decomposed plant material in parts; highly organic.				OC=10.4% PP(Su)=8.2kPa Oed:GS08-554 (See remarks)	U100
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		G		(CH)			Peak(Su)=37kPa Res(Su)=7kPa	FSV
6 BOREHOLE			Possible sand lens (from CPTu logs)				HW 12	
		Н					N=3	SPT
т_9 <u>-0.30</u> - 9 		J	RESIDUAL CLAYEY SAND Grey, moist, medium dense.	(90)		+	7,10,13 N=23	SPT
ама Го 10 -7.30			Fine grained sand; minor clay fraction.					

REMARKS Oedometer consolidation test - Q183/ AS1289.6.6.1 : Specimen number provided, refer to test report for results.

LOGGED BY AS / SAB

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ENGINEERING BOREHOLE LOG

BOREHOLE No	<u>BH10</u>
SHEET	<u>2</u> of <u>2</u>
REFERENCE No	<u>H10333</u>

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

PROJECT Gateway Upgrade North (GUN)
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_____ LOCATION At CPTU10 adjacent to creek COORDINATES 509438.2 E; 6971118.1 N

JOB	No	

_____ HEIGHT DATUM __AHD ___ BEARING _____ DATE COMPLETED __06/10/08__

PROJECT No FP5249 _____ SURFACE R.L. 2.70 m PLUNGE _90 ° ___ DATE STARTED _05/10/08 GRID DATUM _MGA94 Zone 56J ___ DRILLER <u>Drillsure Pty Ltd</u>

DEPTH (m)	R.L. (m) -7.30	AÚGER CASING WASH ROPING	CORE DRILLING	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
	1.00				к	SANDSTONE FINE TO MEDIUM GRAINED MASSIVE SEDIMENTARY ROCK					12,19,24 N=43	SPT
- - - - - - 11						XW: Exhibits the engineering properties of grey to slightly banded orange, moist, dense, fine to medium grained clayey sand.						
-						Relic texture is visible; minor clayey matrix.	xw					-
- - - 12					L						11,20,26 N=46	SPT :
	-9 80											
- ·						HW: Pale orange, moist, very dense, fine to medium orained sand gradually grading into low						
13 - -	-10 75				м	strength rock.	HW				13,26,30/130 N=>50	SPT
				(90)		MW: Pale orange, fine to medium grained, poorly cemented, mainly extremely low to low strength.	MW				Is(50) = 0.06MPa Is(50) = 0.03MPa	x -
-	-12.05			100		Defects: - Healed planar joints at 50° (1/m) - Drilling induced breaks (3/m)			-			-
						Borehole terminated at 14.75m						
<u>20</u>	REMARK	s <u>O</u> e	don	neter co	nsoli	l dation test - Q183/ AS1289.6.6.1 : Specimen number pro	videc	l, refer to test	report for r	esults	LOGGED BY	

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Project: <u>GATEWAY NORTH UPGRADE</u>

Borehole No: BH 10

 Start Depth:
 13.45m

 Finish Depth:
 14.75m

 Project No:
 FP5249

 H No:
 10342





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