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

REFERENCE No **H10445**

JOB No	HEIGHT DATUM	AHD	BEARING	DATE COMPLETED	21/10/08	DRILLER	Drillsure Pty Ltd
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OLD DMR LIB 01.GLB Log A_ENGINEERING BOREHOLE LOG FP5249 GATEWAY NORTH PROJECT.GPJ <<DrawingFile>> Datgel CPT Tool.gInt Add-In 16/09/2009 09:05

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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH16
SHEET 2 of 3
REFERENCE No H10445

PROJECT Gateway Upgrade North (GUN)
LOCATION Offset 2.5 east of survey peg COORDINATES 509563.4 E; 6972262.5 N
PROJECT No FP5249 SURFACE R.L. 8.50m PLUNGE -90 ° DATE STARTED 19/10/08 GRID DATUM MGA94 Zone 56J
JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 21/10/08 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	-1.50											
11					G	RESIDUAL SILTY CLAY Pale yellowish grey, moist, very stiff. Low to medium plasticity; relic ironstained joint structures present.					6,9,12 N=21	SPT
12					H		(CL-CH)				13,11,12 N=23	SPT
13					J						8,12,12 N=24	SPT
14	-5.65				K	BASALT FINE TO MEDIUM GRAINED, EXTRUSIVE IGNEOUS ROCK XW: Exhibits the engineering properties of brown, moist, hard clayey gravelly silt. Low plasticity; gravel fraction consists of medium to high strength ferrogenised angular basaltic fragments sizing up to and possibly over 40mm.	XW				14,30,25 N>50	SPT
15					L						22,30/70 N=>50	SPT
16					M	HW: Reddish brown, moist, very dense silty sandy gravel gradually grading into low strength rock.					30/70 N=>50	SPT
17	-8.50				N		HW				30/40 N=>50	SPT
18	-10.70											
19	-10.90		(0)		X	Core loss 19.2-19.4m					Core loss 19.2-19.4m	
20	-11.50					HW-MW: (See next page)	HW-MW				Possible interface between two basalt flows	

REMARKS _____

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WORLD DMR LIB 01.GLB Log A ENGINEERING BOREHOLE LOG FP5249 GATEWAY NORTH PROJECT.GPJ <<DrawingFile>> Date: 16/09/2009 09:05

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Project: **GATEWAY NORTH UPGRADE**

Borehole No: **BH 16**

Start Depth: 19.20m

Finish Depth: 24.58m

Project No: FP5249

H No: 10345



SCALE 1:5