Queensland Government
Department of Main Roads

ENGINEERING BOREHOLE LOG

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

BOREHOLE No **BH20**
SHEET 1 of 1
REFERENCE No **H10448**

PROJECT Gateway Upgrade North (GUN)
LOCATION At CPTU 16 adjacent overhead Energex power lines
COORDINATES 509692.9 E; 6972998.7 N
PROJECT No FP5249 SURFACE R.L. 2.48 m PLUNGE -90 ° DATE STARTED 14/10/08 GRID DATUM MGA94 Zone 56J
JOB No HEIGHT DATUM AHD BEARING DATE COMPLETED 15/10/08 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER / CASING / WASH BORING	RQD ( )% CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH (EH VH H M L VL EL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
0	2.48				**FILL** (Drilling records only) Sandy, moist.								
1	1.48			A	**SANDY CLAY** Brown, moist, soft. High plasticity; coarse sand fraction; occasional decomposed plant material present.	(CH)					▽ 14/10/2008 Measured at time of drilling 2,2,1 N=3		SPT
	0.98			B	**SANDY CLAY** Dark grey, moist, soft to firm. Medium plasticity, partially decomposed plant material throughout. Becoming firm with depth.	(CI)					LL=38%, PI=20%, LS=9%		U100
2	0.43			C	**SILTY CLAY** (Alluvial?) Pale brown, moist, firm on top becoming stiff to very stiff with depth. Medium plasticity; relic ironstained joint features.						2,3,3 N=6		SPT
3				D							2,5,7 N=12		SPT
4				E		(CI)					3,7,6 N=13		SPT
5				F							3,5,6 N=11		SPT
6	-3.52			G	**BASALT** **FINE GRAINED EXTRUSIVE IGNEOUS ROCK** **XW:** Exhibits the engineering properties of brown, moist, very stiff sandy clay.						4,8,9 N=17		SPT
7				H	Low to medium plasticity; ironstained relic joint features present; relic rock texture visible.	XW					6,9,15 N=24		SPT
8	-5.52			J	**HW:** Exhibits the engineering properties of grey, moist to slightly wet very dense clayey gravel.	HW					30/100 N=>50		SPT
	-5.62				Borehole terminated at 8.1m								
9													
10													

REMARKS

LOGGED BY
AS/SAB /