

COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the [Creative Commons Attribution 4.0 Licence](#) (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department as follows: "*(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence*". This licence does not apply to the Queensland Government logo or trademarks.

LIMITATION OF LIABILITY

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for Departmental use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

Retrieved from the Queensland Geotechnical Database <http://qgd.org.au/>



ENGINEERING BOREHOLE

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F.GEOT 017/2-2004

BOREHOLE No BH136
SHEET 1 of 2
REFERENCE No H9445

PROJECT GATEWAY UPGRADE PROJECT GEOTECHNICAL INVESTIGATION - NORTHERN SECTION
LOCATION CONTROL LINE: MCAO - Ch. 19460.1 - OFFSET 15.6 R COORDINATES 9302.1 E; 16991.3 N
PROJECT No FM2055 SURFACE R.L. 2.80 DATE STARTED 29/7/04 DATUM SETP
JOB No DATUM AHD DATE COMPLETED 29/7/04 DRILLER R&D DRILLING PTY LTD

DEPTH (m)	R.L. (m)	ALGER CASING WASH BORING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	2.80					GRAVELLY CLAY - FILL Brown, moist.	CI					Drilling record only	
1	1.90					ORGANIC CLAY / PEAT - FILL ? Black, loamy, moist, soft to firm. Partly decomposed plant material.	OL						1,2,2 N=4 SPT
2	1.20					CLAYEY SAND - FILL ? Dark grey to slightly mottled, moist, medium dense.	SC-SM					APD=2.678t/m3 LL=32.6%, PI=14.8%, LS=8.4% pHf=6.26, pHfox=2.83	U100
2	0.80					SILTY CLAY - FILL ? Dark grey, moist, soft firm.	CI-CL					MC=25.0%, WD=1.98t/m3, DD=1.58t/m3	U100
3	-0.10					SILTY SAND - FILL ? Pale grey to slightly mottled, moist, medium dense, medium to coarse sand.	SM					MC=30.6%, WD=1.96t/m3, DD=1.50t/m3 pHf=6.08, pHfox=3.42	U100
4	-1.20					ESTUARINE SILTY CLAY Dark grey, moist, very soft to soft. High organic content, high plasticity, partly decomposed plant material, scattered silty sand interlayers.	OH					LL=87.2%, PI=51.0%, LS=19.4% APD=2.555t/m3 MC=116.8%, WD=1.38t/m3, DD=0.64t/m3	HW, r N<1 SPT U100
5												MC=105.4%, WD=1.40t/m3, DD=0.68t/m3	U100
6												MC=54.2%, WD=1.70t/m3, DD=1.10t/m3	U100
7													
8	-4.95					Minor sandy fraction towards bottom. SILTY CLAY - ALLUVIUM Pale grey to mottled brown, moist to mainly dry, stiff to very stiff. Becoming pale grey and slightly sandy with depth.	CI						5,7,10 N=17 SPT
9													
10	-7.20												

REMARKS

LOGGED BY
B.Woodgate & A.Dissanayake



**Queensland
Government**

Department of
Main Roads

ENGINEERING BOREHOLE

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/2-2004

BOREHOLE No BH136

SHEET 2 of 2

REFERENCE No H9445

PROJECT GATEWAY UPGRADE PROJECT GEOTECHNICAL INVESTIGATION - NORTHERN SECTION

LOCATION CONTROL LINE: MCAO - Ch. 19460.1 - OFFSET 15.6 R COORDINATES 9302.1 E; 16991.3 N

PROJECT No FM2055 SURFACE R.L. 2.80 DATE STARTED 29/7/04 DATUM SETP

JOB No DATUM AHD DATE COMPLETED 29/7/04 DRILLER R&D DRILLING PTY LTD

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	-7.20					SILTY CLAY - ALLUVIUM (As above)	CI					4,6,6 N=12	SPT
	-7.65					Borehole terminated at 10.45m							
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

BOREHOLE WITH LITHOLOGY GATEWAY NORTHERN UPGRADE.GPJ ENG BOREHOLE FINAL.GDT 28/4/05

REMARKS _____

LOGGED BY
B.Woodgate & A.Dissanayake