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**Queensland  
Government**

Department of  
Main Roads

## ENGINEERING BOREHOLE

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

BOREHOLE No BH116  
SHEET 1 of 2  
REFERENCE No H9425

PROJECT GATEWAY UPGRADE PROJECT GEOTECHNICAL INVESTIGATION - NORTHERN SECTION  
LOCATION CONTROL LINE: MCAO - Ch. 21410.3 - OFFSET 1.2 L COORDINATES 8951.7 E; 171833.8 N  
PROJECT No FM2055 SURFACE R.L. 1.60 DATE STARTED 15/7/04 DATUM SETP  
JOB No                      DATUM AHD DATE COMPLETED 15/7/04 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
0	1.60					GRAVELLY SILTY CLAY - FILL Pale grey to grey brown, moist, soft to stiff with depth.							
1							CL					1,1,1 N=2	SPT
2												Peak Su=48kPa, Res Su=6.4kPa	FSV
3	-0.90					ESTUARINE SILTY CLAY Dark grey, moist, soft to firm. High shell content, fissured or desiccated at some places.	CI					APD=2.704t/m3 LL=44.8%, PI=23.4%, LS=13.4% PP=25kPa MC=47.2%, WD=1.16t/m3, DD=0.80t/m3	U100
4	-2.40					SILTY SAND / CLAYEY SAND - ALLUVIUM Grey brown to red brown, moist, loose to mainly medium dense.						FSV was not successful due to sandy nature	FSV
6							SM-SC					3,5,7 N=12	SPT
7												5,7,9 N=16	SPT
8	-6.40					SAND - ALLUVIUM Pale brown, wet, loose to medium dense. Medium to coarse grained sand.	SP					4,4,6 N=10	SPT
10	-8.40												

REMARKS

LOGGED BY  
D.Marks & A.Dissanayake



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BOREHOLE No BH116

SHEET 2 of 2

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

REMARKS

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