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**Queensland  
Government**

**GEOTECHNICAL  
BOREHOLE LOG**

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH08**

Sheet 1 of 1

REFERENCE No **H12196**

PROJECT	Veloway 1 Stage E: Birdwood to Gaza Road		
LOCATION	Bridge over Marshall Rd and Bapaume Rd.	COORDINATES 505520.2 E; 6955266.4 N	
PROJECT No	FG6253	SURFACE RL 22.71m	PLUNGE 90°
			DATE STARTED 01/06/2015
			GRID DATUM MGA94 Zone 56
JOB No	201/C001/4	HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 01/06/2015
			DRILLER Geodrill

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	ROD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
												EH
22.31					Silty GRAVEL (Fill) Grey brown, dry, loose. Gravel <40mm, angular to subangular.	(GM)						
21.01				A	Silty CLAY (Fill) Brown, moist, very stiff. Trace fine to medium sand. Low plasticity.	(CL)				6, 7, 19 N=26	SPT	
19.71				B	Clayey SAND (Alluvium) Grey brown, moist, very loose. Fine to medium grained. Trace fine gravel.	(SC)			2.00m: Total water loss.	hw, hw, hw N<1	SPT	
18.71				C	Gravelly Sandy CLAY (Alluvium) Grey brown mottled orange brown, moist, stiff. Fine gravel and sand.	(CI)				8, 5, 9 N=14	SPT	
16.71				D	Gravelly Silty CLAY (Residual) Pale grey to grey brown, moist, hard. Fine to medium quartz gravel.	(CI)				8, 17, 20 N=37	SPT	
15.21				E	METAGREYWACKE (Dcf) MW: Grey brown, fine to medium grained, weakly foliated, generally high strength. Defects: J's: 0°-20° (3/m), Pl-Ir/Ro, TI, Cn or Cly Vr/Ct FP: 40°-60° (1-2/m) Pl/Ro, TI, Cly Vr or Ct, FeSt J's: 70°-80° (1/m), Pl/Sm, TI, Cn or Cly Vr, some FeSt	MW			6.00m: No SPT sample recovery. 6.34m-6.35m: Clay Seam	14, 17, 30 N=47	SPT	
13.71					METAGREYWACKE (Dcf) SW: Grey, fine to medium grained, weakly foliated, high to very high strength. Defects: J's: 5°-20° (5/m) Pl-Ir/Ro, TI, FeSt, Cly Vr FP: 40°-50° (1-2/m) Pl/Sm, TI, Cly Vr, FeSt	SW			8.65m: Frequent Qz veinlets, parallel to foliation	Is(50)=3.50 MPa Is(50)=2.20 MPa	HB hb D (6.65m) A (6.78m)	
										Is(50)=1.30 MPa Is(50)=3.30 MPa UCS=34.30 MPa	D (8.08m) A (8.12m) (8.18m)	

REMARKS: Dcf - Neranleigh Fernvale Beds. Soil samples taken from 0.0-0.5m for environmental testing.	LOGGED BY	REVIEWED BY
	JL/DC	SF

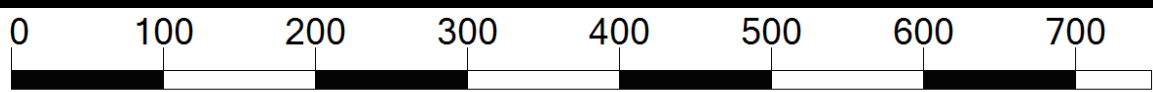
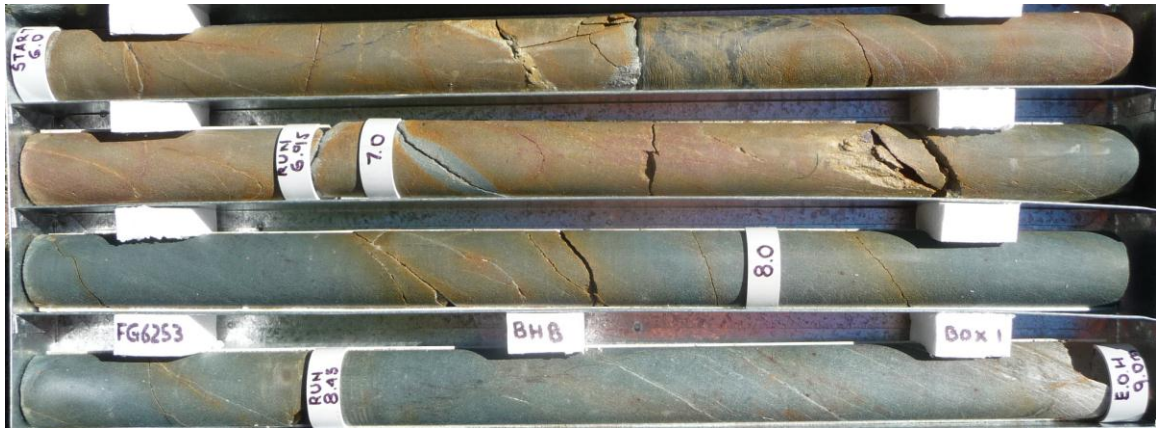
**CORE PHOTO LOG**

DEPARTMENT OF TRANSPORT & MAIN ROADS  
 Geotechnical Branch  
 35 Butterfield Street, HERSTON Qld 4006  
 Phone 07 3066 3336



Department of  
 Transport and Main Roads

Project Name	<b>Veloway (V1), Section E: Birdwood to Gaza Road</b>		
Project No	FG6253	Date	01/06/15
Borehole No	BH 08	TMR H No	12196
Location	Bridge over Marshall Rd and Bapaume Rd	Start Depth (m)	6.0
Detail		Finish Depth (m)	9.0
Chainage		Submitted By	J. Lopez
Remarks			



SCALE 1:5