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**Queensland  
Government**

**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH12**

Sheet 1 of 1

REFERENCE No **H12200**

PROJECT	Veloway 1 Stage E: Birdwood to Gaza Road				
LOCATION	Bridge over Marshall Rd and Bapaume Rd.		COORDINATES 505560.9 E; 6955137.0 N		
PROJECT No	FG6253	SURFACE RL	23.71m	PLUNGE	90°
				DATE STARTED	17/06/2015
				GRID DATUM	MGA94 Zone 56
JOB No	201/C001/4	HEIGHT DATUM	AHD	BEARING	°
				DATE COMPLETED	18/06/2015
				DRILLER	North Coast Drilling

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	VH	H	M	J	VI	EL	EC	VC	C		
23.31					Sandy GRAVEL (Pavement Fill)	(GW)													
23.01					Grey yellow brown, medium to coarse grained.	(SC)													
1					Clayey Gravelly SAND														
					Mottled yellow brown, moist, loose.														
					Coarse sand and fine gravel.														
					Silty CLAY (Residual)														
				A	Grey brown mottled orange brown, moist, very stiff to hard.	(CL)												6, 10, 15 N=25	SPT
					Trace fine gravel.														
3	20.61			B	Grading into XW with depth.													30/60	SPT
			(100)		METAGREYWACKE (Dcf)	MW													
			100		MW: Brown grey, fine to medium grained, weakly foliated, high strength.														
4	19.71		(70)		Defects:														
					-J's: 30° (1/m), Ir/Ro, TI, Cly Vr, some FeSt														
					Foliation at 40° -60°, Qz FL.														
					METAGREYWACKE (Dcf)														
					SW: Grey, fine to medium grained, weakly foliated, high to very high strength.	SW													
			100		Defects:														
			(27)		-FP's : 40°-60° (2-3/m), Pl/Sm-Ro, TI or CD, Cn or some FeSt or Qz FL														
6	17.61		100		-J's: 10°-30° (1/m), Pl/Ro, TI, some FeSt or Cn														
					-J's: 70°-80° (<1/m), Pl/Sm-Ro, QP, some FeSt														
					Borehole completed at 6.10m														
7																			
8																			
9																			

REMARKS: Dcf - Neranleigh Fernvale Beds. Soil samples taken from 0.0-0.5m for environmental testing.

<b>LOGGED BY</b>	<b>REVIEWED BY</b>
JL/DC	SF

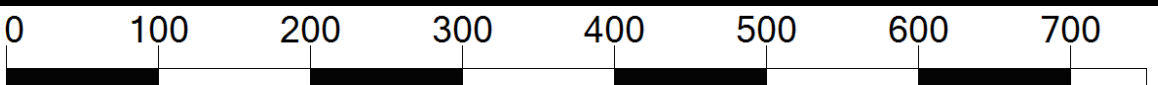
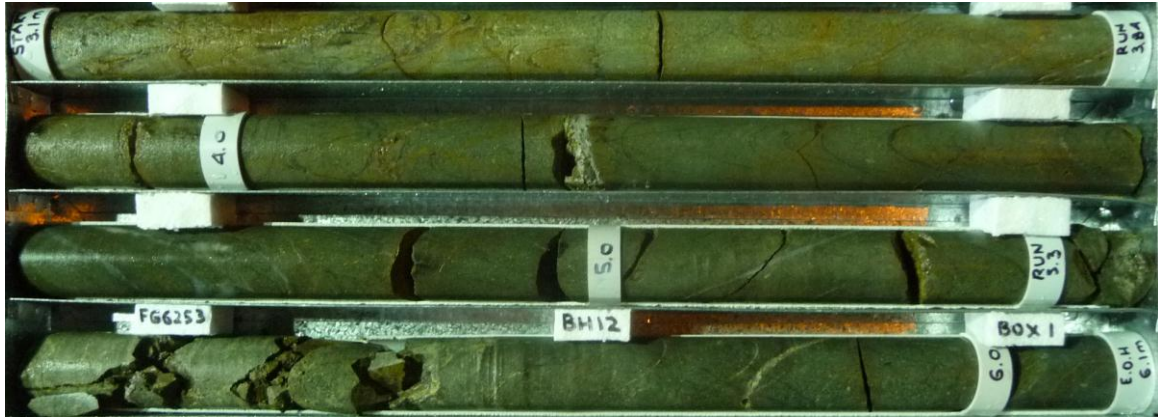
**CORE PHOTO LOG**

DEPARTMENT OF TRANSPORT & MAIN ROADS  
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 35 Butterfield Street, HERSTON Qld 4006  
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Department of  
 Transport and Main Roads

Project Name	<b>Veloway (V1), Section E: Birdwood to Gaza Road</b>		
Project No	FG6253	Date	18/06/15
Borehole No	BH12	TMR H No	12200
Location	Bridge over Marshall Rd and Bapaume Rd	Start Depth (m)	3.1
Detail		Finish Depth (m)	6.1
Chainage		Submitted By	J. Lopez
Remarks			



SCALE 1:5