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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH04**

Sheet 1 of 1

REFERENCE No **H12193**

PROJECT	Veloway 1 Stage E: Birdwood to Gaza Road				
LOCATION	Bridge over Marshall Rd and Bapaume Rd.		COORDINATES 505462.0 E; 6955382.5 N		
PROJECT No	FG6253	SURFACE RL	19.10m	PLUNGE	90°
		DATE STARTED	10/06/2015	GRID DATUM	MGA94 Zone 56
JOB No	201/C001/4	HEIGHT DATUM	AHD	BEARING	°
		DATE COMPLETED	10/06/2015	DRILLER	Northcoast

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
18.80					Silty SAND (Topsoil) Brown, dry, fine to medium grained. Trace gravel. Sandy CLAY (Residual) Pale grey to orange brown, moist, stiff.	(SM)						
1				A	Medium plasticity. Sand is fine to medium grained.	(C)					3, 3, 6 N=9 SPT	
2				B	Becoming hard. Possible XW rock.					2.00m: No sample recovery	30/40 hb SPT	
16.50				(37)	METAGREYWACKE (Dcf) MW: Orange grey, fine to medium grained, weakly foliated, mainly medium strength.	MW		MH	C	2.90m: J, 40°, Pl/Ro, FL, Cly Ct and Sinf 3.06m: J, 25°, Pl/Ro, FL, Cly Ct, 3mm	Is(50)=1.00 MPa Is(50)=0.68 MPa	D (2.63m) A (2.78m)
4			100 (45)		Defects: -FP: 50°-60° (5-6/m) Pl/Ro, FL, Cly Ct, FeSt -J's: 30°-45° (3/m) Pl/Ro, FL, Cly Ct, FeSt		M	C	3.60m: J, 45°, Pl/Ro, FL, Cly Ct, 10mm 3.75m: J, 30°, Pl/Ro, FL, Cly Ct, 10mm	Is(50)=0.78 MPa Is(50)=0.53 MPa	D (3.52m) A (3.95m)	
14.45			100 (80)		ARGILLITE (Dcf) SW: Dark grey, fine grained, foliated, high to very high strength.	HW		LM	VC	4.50m-4.55m: Qz Vn, 45°, FeSt 4.73m: FP, 75°, Un/Ro, FeSt, Cly Ct 4.85m-4.90m: BZ DI		
5					Defects: -FP: 60°-70° (5-6/m) Pl/Ro, TI, FeSt	SW		H-VH	MW			
6	12.95		100		Borehole completed at 6.15m					6.10m-6.15m: J's *2, 30°, Pl/Sm, TI, FeSt	Is(50)=3.40 MPa Is(50)=0.49 MPa	D (5.97m) A (6.05m)

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

LOGGED BY	REVIEWED BY
TJG	SF

CORE PHOTO LOG

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Department of
 Transport and Main Roads

Project Name	Velway (V1), Section E: Birdwood to Gaza Road		
Project No	FG6253	Date	10/06/15
Borehole No	BH04	TMR H No	12193
Location	Bridge over Marshall Rd and Bapaume Rd	Start Depth (m)	3.6
Detail		Finish Depth (m)	6.15
Chainage		Submitted By	TJG
Remarks			

