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**Queensland  
Government**

**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH05**

Sheet 1 of 1

REFERENCE No **H12194**

PROJECT Velway 1 Stage E: Birdwood to Gaza Road  
 LOCATION Bridge over Marshall Rd and Bapaume Rd. COORDINATES 505475.7 E; 6955355.1 N  
 PROJECT No FG6253 SURFACE RL 22.65m PLUNGE 90° DATE STARTED 03/06/2015 GRID DATUM MGA94 Zone 56  
 JOB No 201/C001/4 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 03/06/2015 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
22.45					Sandy Silty CLAY (Topsoil) Mottled yellow brown, moist, soft. Low plasticity Trace fine gravel.	(CL)						
1				A	Silty CLAY (Fill?) Brown grey, moist, very stiff to hard. Low plasticity. Trace fine sand. Trace fine gravel in parts.	(CL)				6, 9, 15 N=24	SPT	
2				B		(CL)				12, 25, 29 N=54	SPT	
19.65				C	Silty SAND (Alluvium) Brown, moist, medium dense. Trace fine quartz gravel.					5, 5, 6 N=11	SPT	
4				D	Becoming loose.	(SM)				2, 2, 2 N=4	SPT	
5				E	Becoming grey, medium dense. Trace clay. Trace fine to medium quartz gravel.					2, 5, 17 N=22	SPT	
17.05				F	METAGREYWACKE (Dcf) XW: Recovered as brown grey, moist, very dense, Clayey SAND.	XW				30/100	SPT	
16.45			(14)		METAGREYWACKE (Dcf) SW: Brown grey, fine to medium grained, weakly foliated, generally high to very high strength. Defects: -J's: 0°-20° (2-3/m) Pl/Sm-Ro, TI, Cly Vr, FeSt -J's: 30°-50° (3-4/m) Pl/Sm-Ro, TI, Cly Vr, FeSt -J's: 70°-80° (<1/m) Pl/Ro-Sm, TI, Cly Vr, FeSt Frequent Qz Veinlets.	SW					D (6.32m) A (6.68m) D (7.44m) A (7.55m)	
100 (36)										Is(50)=1.10 MPa Is(50)=1.90 MPa		
100 (42)										Is(50)=4.30 MPa Is(50)=1.50 MPa		
13.45			100									
Borehole completed at 9.20m												

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**

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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	3/6/15
Borehole No	BH 05	TMR H No	12194
Location	Bridge over Marshall Rd and Bapaume Rd	Start Depth (m)	5.2
Detail		Finish Depth (m)	9.2
Chainage		Submitted By	J. Lopez
Remarks			



SCALE 1:5