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**Queensland
Government**

**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **BH13**

Sheet 1 of 1

REFERENCE No **H12201**

PROJECT Velway 1 Stage E: Birdwood to Gaza Road
 LOCATION Bridge over Marshall Rd and Bapaume Rd. COORDINATES 505571.0 E; 6955106.7 N
 PROJECT No FG6253 SURFACE RL 24.40m PLUNGE 90° DATE STARTED 17/06/2015 GRID DATUM MGA94 Zone 56
 JOB No 201/C001/4 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 17/06/2015 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
23.60					Silty CLAY (Residual) Brown mottled yellow brown, moist, soft to firm. Trace fine sand and gravel.	(CI)							
23.20					Clayey SILT (Residual) Mottled pale grey yellow, moist, stiff.	(ML)							
21.80					ARGILLITE (Dcf) XW: Recovered as pale grey to yellow brown, dry, hard, Clayey SILT with Gravel. Gravel is HW rock fragments.	XW				21, 30/145	SPT		
19.72			100 (18)		ARGILLITE (Dcf) MW: Grey to dark grey, mainly fine grained, weakly foliated, generally medium strength. Frequent Metagreywacke interbeds <200mm. Defects: -FP's : 50°-70° (2/m), Pl/Sm, TI, Cly Ct, some FeSt. -J's : 10°-30° (2-3/m), Pl/Ro, TI, Cly Vr, some FeSt	MW				2.60m-2.68m: Clay Seam, 80 3.14m-3.18m: BZ Clay Zone 4.20m-4.44m: Clay coated FP, 80	Is(50)=1.90 MPa Is(50)=0.76 MPa Is(50)=0.82 MPa Is(50)=0.60 MPa	D (3.00m) A (3.05m) A (4.20m) D (4.25m)	
18.80			100 (40)		ARGILLITE (Dcf) SW: Grey to dark grey, fine grained, weakly foliated, generally high strength. Some Metagreywacke interbeds <200mm. Defects: FP's: 70-80 (1/m), Pl/Sm, TI, Cly Vr or Ct. J's: 10-30, (2/m), Pl/Ro, TI, Cly Ct and FeSt.	SW					Is(50)=1.80 MPa Is(50)=1.50 MPa	D (5.40m) A (5.50m)	
					Borehole completed at 5.60m								

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

LOGGED BY	REVIEWED BY
TJG	SF

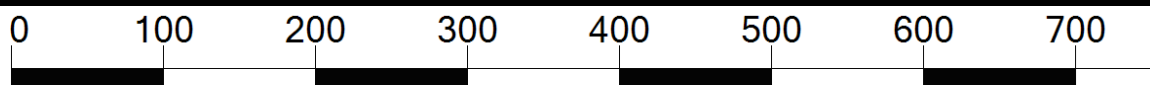
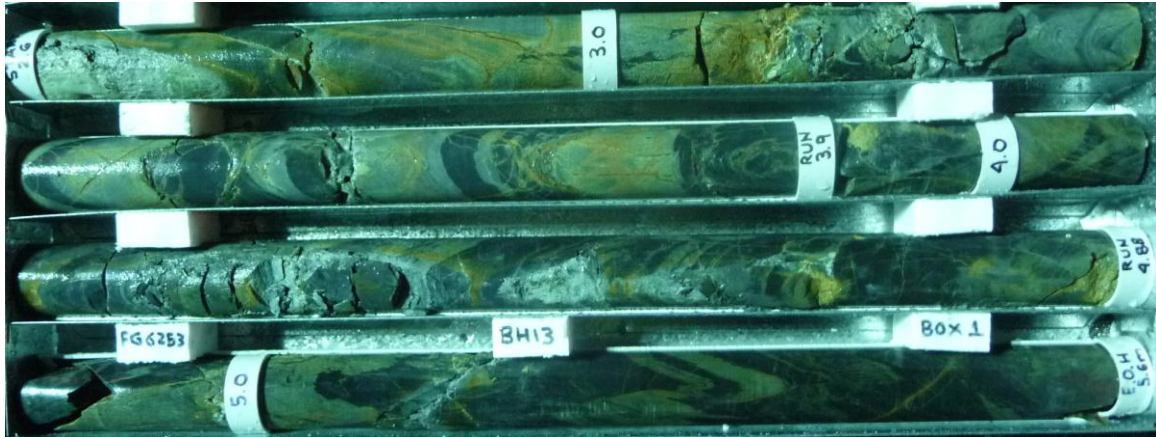
CORE PHOTO LOG

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	Veloway (V1), Section E: Birdwood to Gaza Road		
Project No	FG6253	Date	17/06/15
Borehole No	BH13	TMR H No	12201
Location	Bridge over Marshall Rd and Bapaume Rd	Start Depth (m)	2.6
Detail		Finish Depth (m)	5.6
Chainage		Submitted By	J. Lopez
Remarks			



SCALE 1:5