

## **COPYRIGHT NOTICE**

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the [Creative Commons Attribution 4.0 Licence](#) (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department and author as follows: "*(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence, prepared by Jacobs*". This licence does not apply to the Queensland Government logo or trademarks.

## **LIMITATION OF LIABILITY**

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for Departmental use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

Retrieved from the Queensland Geotechnical Database <http://ggd.org.au/>

This log has been contributed to the Queensland Geotechnical Database with the permission of Jacobs.

PROJECT : Brisbane Valley Grade Separation      JOB NO : QB10200.4      PAGE : 1 OF 1  
 POSITION : E: 470626, N: 6949661 (56 MGA94)      SURFACE ELEVATION : 54.1 (AHD)      LOCATION : Brisbane Valley Hwy  
 EQUIPMENT TYPE : 5t Excavator      CONTRACTOR : Aussie Excavators      BUCKET WIDTH : 0.5m  
 DATE DRILLED : 14/4/11 to 14/4/11      LOGGED BY : LN      CHECKED BY : VP      STANDARD : AS1736

EXCAVATION & WATER DETAIL	LAB DATA				SAMPLES & FIELD DATA	RL (m)	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components	MOISTURE	CONSISTENCY/DENSITY	DCP (blows/100mm)	COMMENTS Field Test Data & Other Observations
	Moisture Content	Dry Density	% Fines	Atterberg Limits									
Groundwater						53.6 - 0.5	0.60m D-DS 1	CLAY - sandy CLAY, medium plasticity, dark yellow grey, fine to medium sand, moist, stiff.	M	St	5	0.00: TOPSOIL 0.0 m - 0.3 m	
						53.1 - 1.0	0.75m	CLAY - gravelly CLAY, high plasticity, yellow orange with dark grey mottling, trace of medium grained angular basalt gravel, moist, stiff, clay fissured.	M	St	10	0.60: Shear Vane P = 90 kPa / R = 24 kPa	
						52.6 - 1.5	1.50m	CLAY - high plasticity, dark yellow orange, moist, very stiff.	M	VSt	15		
						52.1 - 2.0	1.90m	CLAY - gravelly sandy clay, high plasticity, dark orange grey, fine to medium sand, trace of medium grained black vesicular basalt gravel, moist, very stiff.	M	VSt	20		
						51.6 - 2.5	2.30m B-DS 2	2.60m	CLAY - high plasticity, light grey with some orange mottling, moist, very stiff.	M	VSt		
						51.6 - 2.5	2.60m D-DS 3	2.80m	Trace of sand.	M	VSt		
						51.1 - 3.0	2.90m	Test pit terminated at 2.9 m. No water encountered.	M	VSt			

<b>EXCAVATION</b> N Natural/Existing cutting E Excavator BH Backhoe Bucket B Bulldozer R Ripper	<b>SAMPLES &amp; FIELD TESTS</b> B Bulk Sample D Small Disturbed Sample ES Env Soil Sample EW Env Water Sample U Undisturbed Tube Sample W Water Sample HP Hand Penetrometer HV Hand Vane Shear (P: Peak Su, R: Residual Su)	<b>DENSITY</b> VL Very Loose L Loose MD Medium Dense D Dense VD Very Dense CO Compact	<b>CONSISTENCY (Su)</b> VS Very Soft (0-12.5kPa) S Soft (12.5-25kPa) F Firm (25-50kPa) St Stiff (50-100kPa) VSt Very Stiff (100-200kPa) H Hard (>200kPa)
<b>GROUNDWATER SYMBOLS</b> ▽ = Water level (static) ▽ = Water level (during excavation) ▶ = Water inflow	PHOTOGRAPHS NOTES <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<b>MOISTURE CONDITION</b> D = Dry    M = Moist    W = Wet	