

## **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.



# SOIL LOG

HOLE NO: **AHBV 18**

PROJECT : Brisbane Valley Grade Separation      JOB NO : QB10200.4      PAGE : 1 OF 1  
 POSITION : E: 471530, N: 6949488 (56 MGA94)      SURFACE ELEVATION : 43.4 (AHD)      LOCATION : Brisbane Valley Hwy  
 RIG TYPE : Nissan Rig      CONTRACTOR : R. Battison      BUCKET WIDTH : 0.1m  
 DATE DRILLED : 28/4/11 to 28/4/11      LOGGED BY : LN      CHECKED BY : VP      STANDARD : AS1736

DRILLING & WATER DETAIL	LAB DATA				SAMPLES & FIELD DATA	RL (m)	DEPTH (m)	GRAPHIC LOG	C.O.C.	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										
									GM	GRAVEL - silty sandy GRAVEL, fine to coarse sand and gravel, grey-orange brown, moist, medium dense.	M	MD	5	0.00: FILL
									GM	GRAVEL - silty sandy GRAVEL, fine to coarse sand and gravel, grey-orange brown, moist, very dense.	M	VD	10	0.10: FILL
						42.9	0.50m		GM	GRAVEL - silty sandy GRAVEL, fine to coarse sand and gravel, grey-orange brown, moist, very dense.	M	VD	15	
						42.9	0.50m		CH	CLAY - gravelly sandy silty CLAY, high plasticity, grey mottled orange, fine to coarse sand, fine gravel, moist, hard.	M	H	20	0.50: NATURAL
						42.4	1.00m		CH	CLAY - gravelly sandy silty CLAY, high plasticity, grey mottled orange, fine to coarse sand, fine gravel, moist, hard.	M	H		
						42.4	1.00m		SM	SAND - silty SAND, fine to medium sand, trace to minor fine gravel, light orange grey, moist, dense.	M	D		
						41.9	1.30m		SM	SAND - silty SAND, fine to medium sand, trace to minor fine gravel, light orange grey, moist, dense.	M	D		
										Terminated @ 1.3m. No water encountered.				
						41.9	1.5							
						41.4	2.0							
						40.9	2.5							
						40.4	3.0							

<b>DRILLING</b> HA Hand Auger      HQ HQ Coring AS Auger            NQ NQ Coring WB Washbore      PQ PQ Coring RR Rock Rolling    NMLC NMLC Coring  <b>GROUNDWATER SYMBOLS</b> = Water level (static) = Water level (during drilling) = Water Inflow (during drilling)	<b>SAMPLES &amp; FIELD TESTS</b> D Small Disturbed Sample      SPT SPT Sample ES Env Soil Sample              U Undisturbed Tube Sample EW Env Water Sample            W Water Sample B Bulk Disturbed Sample  <b>MOISTURE CONDITION</b> D = Dry    M = Moist    W = Wet	<b>DCP- N (Blows/100mm)</b> VS Very Soft      0 - 1 S Soft              1 - 2 F Firm              2 - 3 St Stiff              3 - 7 VSt Very Stiff      7 - 12 H Hard              >12/100mm	<b>CONSISTENCY (Su) {N-value}</b> VS Very Soft      < 12 kPa {0-2} S Soft              12 - 25 {2-4} F Firm              25 - 50 {4-8} St Stiff              50 - 100 {8-15} VSt Very Stiff      100 - 200 {15-30} H Hard              > 200 kPa {>30}
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------