

## **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://qgd.org.au/>

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



## SOIL LOG

HOLE NO: AHBV 29

PROJECT : Brisbane Valley Grade Separation

JOB NO : QB10200.4

PAGE : 1 OF 2

POSITION : E: 470441, N: 6949905 (56 MGA94)

SURFACE ELEVATION : 56.1 (AHD)

LOCATION : Brisbane Valley Hwy

RIG TYPE : Nissan Rig

CONTRACTOR : R. Battison

BUCKET WIDTH : 0.1m

DATE DRILLED : 20/5/11 to 20/5/11

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	Aterberg Limits										
										CLAY - silty CLAY, high plasticity, grey streaked orange brown, moist, firm.	M	F		0.00: NATURAL
					0.40m D-DS 1 B-DS 2	55.6	0.5			CLAY - sandy silty CLAY, high plasticity, grey streaked orange brown, fine to coarse sand, moist, stiff.	M	St		0.40: U50 PP = 240 kPa @ 0.6m
					0.60m U-3					CLAY - silty CLAY, high plasticity, grey streaked orange brown, moist, very stiff.	M	VSt		0.80: PP = 220 kPa @ 0.8m
					0.80m 0.82m	55.1	1.0			CLAY - silty CLAY, high plasticity, grey mottled orange brown, some fine to medium gravel, moist, hard.	M	H		1.30: PP = 400 kPa @ 1.3 m
						54.6	1.5			CLAY - sandy CLAY, low plasticity, grey streaked orange brown, fine sand, moist, hard.	M	H		
						54.1	2.0							
						53.6	2.5							
						53.1	3.0			CLAY - silty CLAY, medium plasticity, orange grey, moist, very stiff.	M	VSt		

## DRILLING

HA Hand Auger HQ HQ Coring  
AS Auger NQ NQ Coring  
WB Washbore PQ PQ Coring  
RR Rock Rolling NMLC NMLC Coring

## GROUNDWATER SYMBOLS

▼ = Water level (static)  
▽ = Water level (during drilling)  
► = Water Inflow (during drilling)

## SAMPLES &amp; FIELD TESTS

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

MOISTURE CONDITION  
D = Dry M = Moist W = Wet

## DCP- N (Blows/100mm)

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

## CONSISTENCY (Su) {N-value}

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}



# SOIL LOG

HOLE NO: **AHBV 29**

PROJECT : Brisbane Valley Grade Separation	JOB NO : QB10200.4	PAGE : 2 OF 2
POSITION : E: 470441, N: 6949905 (56 MGA94)	SURFACE ELEVATION : 56.1 (AHD)	LOCATION : Brisbane Valley Hwy
RIG TYPE : Nissan Rig	CONTRACTOR : R. Battison	BUCKET WIDTH : 0.1m
DATE DRILLED : 20/5/11 to 20/5/11	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										
						52.1	4.0			CLAY - silty CLAY, medium plasticity, orange grey, moist, very stiff. (continued)	M	VSt		
						51.6	4.5		Cl	4.50m				
										Terminated @ 4.5m. No water encountered.				
						51.1	5.0							
						50.6	5.5							
						50.1	6.0							
						49.6	6.5							

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