COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the <u>Creative Commons Attribution 4.0 Licence</u> (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department as follows: "(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence". 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/



ENGINEERING BOREHOLE LOG

BOREHOLE No	<u>_BH120</u>
SHEET	<u>1</u> of <u>4</u>
REFERENCE No	<u>H10914</u>

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

PRO	JECT _	<u>lpsw</u>	ich Mot	<u>orwa</u>	y Upgrade - Rocklea to Darra						
LOC	ATION	<u>Cnr S</u>	<u>Scotts I</u>	<u>Road</u>	and Ipswich Road service road				СС	ORDINATES	.4 <u>N</u>
PRO	JECT No_	F <u>G</u> 57	<u>779 _</u>		SURFACE R.L. <u>35.52m</u> PLUNGE <u>-90 °</u>		DATE S	TARTED	<u>23/11</u>	I/10GRID DATUM <u></u>	
JOB	No _	<u>140/l</u>	<u>J16/90</u>	2	HEIGHT DATUM <u>AHD</u> BEARING		DATE COM		<u>24/11</u>	I/10 DRILLER <u>Soil Surveys</u>	
DEPTH (m)	R.L. (m)	HER SH BORING	RQD ()% CORE	MPLE	MATERIAL DESCRIPTION	C ATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	APHIC LOG	ADDITIONAL DATA AND TEST RESULTS	MPLES
0	<u>35.52</u> 전	₽ş	REC %	SA		NE	╜╱┰፩╌╱┉		GR		S A
	33.52									Non destructive digging (Based on Drillers logs only)	
				A	Silty CLAY (Residual) Mottled red brown to grey, moist, friable, mainly very stiff. High plasticity. Iron concretions nodules throughout.	(CH)				7,13,12 N=25 8,13,13	SPT
- - - - -	31.52								Ž	- Gravel	
	30.52			С	SILTSTONE FINE GRAINED SEDIMENTARY ROCK COMPOSED MAINLY OF SILT SIZED PARTICLES HW: Generally exhibits engineering properties of pale grey, moist, hard clayey silt.	нw				22,30/105mm N>50 30/85mm	SPT
				D	Low to medium plasticity. SANDSTONE FINE TO MEDIUM GRAINED, MASSIVE, POORLY CEMENTED SEDIMENTARY ROCK HW: Generally exhibits engineering properties of yellow-brown, moist yery dense silty sand.	J				30/100mm	SPT
-				E	Sand fraction fine grained; yellow iron stained.	нw				N>50	SPT

DMR_LIB_01.GLB_Log_A_ENGINEERING BOREHOLE LOG_F65779 IPSWCH 30/110mm SPT F N>50 27.52 -30/120mm G Silty SANDSTONE HW: Generally exhibits engineering properties of pale grey, moist, very dense sandy silt. SPT -----N>50 Low plasticity. Sand fraction fine grained; minor clay fraction throughout. нw 30/120mm SPT Н N>50 Ŧ Ī 25.52 10 REMARKS Observation well installed, infiltration zone from 5.0m to 31.27m. LOGGED BY CM / SG

(c) State of Queensland (Department of Transport and Main Roads) 2020, CC BY 4.0. Please note copyright and limitation of liability notices on attached cover page.



ENGINEERING BOREHOLE LOG

BOREHOLE No	<u>_BH120</u>
SHEET	<u>2</u> of <u>4</u>
REFERENCE No	<u>H10914</u>

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

PRC	JECT	_lpsw	ich Moto	<u>orwa</u>	<u>y Upgrade - Rocklea to Darra</u>								
LOC	ATION	<u>_Cnr</u>	<u>Scotts R</u>	oad	and Ipswich Road service roa	d				со	ORDINATES	495525.5 E; 6950039	9.4 <u>N</u>
PROJECT No <u>FG5779</u> SURFACE R.L. <u>35.52m</u> PLUNGE <u>-90</u> DATE STARTED <u>23/11/10</u> GRID DATUM <u>GDA94</u>													
JOE	No	<u> 140/</u>	<u>U16/902</u>	<u> </u>	HEIGHT DATUM <u>AHD</u>	BEARING		DATE COM	IPLETED _	<u>24/11</u>	<u>/10</u> DR	ILLER <u>Soil Survey</u> s	
DEPTH (m)	R.L. (m)	CASING OTHER WASH BORING	RQD ()% CORE REC%	SAMPLE	MATERIAL	DN	USC	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITI	ONAL DATA AND RESULTS	SAMPLES TESTS
					SANDSTONE HW: Generally exhibits engin	eering prope	rties					30/100mm N>50	SPT



(c) State of Queensland (Department of Transport and Main Roads) 2020, CC BY 4.0. Please note copyright and limitation of liability notices on attached cover page.



ENGINEERING BOREHOLE LOG

BOREHOLE No	<u>_BH120</u>
SHEET	<u>3</u> of <u>4</u>
REFERENCE No	<u>H10914</u>

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

PROJECT	<u>Ipswich Motorway</u>	Upgrade - Rockle	<u>a to Darra</u>								
LOCATION	Cnr Scotts Road a	nd Ipswich Road s	service road	!				COORDI	NATES <u>49552</u>	5.5 E; 6950039	<u>4 N </u>
PROJECT No		SURFACE R.L.	<u>35.52m</u>	PLUNGE	<u>-90 °</u>	DATE S	TARTED	23/11/10	GRID DATUM	GDA94	
JOB No	<u>140/U16/902</u>	HEIGHT DATUM	_ <u>AHD</u>	BEARING		DATE COM	PLETED .	24/11/10	DRILLER	Soil Surveys	
R.L.	RQD り ()%					INTACT STRENGTH	DEFECT	(1)	ADDITIONAL	DATA	

E T	()	NIN N		()		MATERIAL	RINC	(mr	n)	LOC		0
DEPTI	15.50	SASING DTHER VASH BC		CORE	SAMPLE	DESCRIPTION	JSC VEATHE	유도도고 관망 않음	600 2000	BRAPHIC	TEST RESULTS	SAMPLES
20 	15.52			REC %	R	CLAYSTONE (Cont'd) HW: Becoming HW Mudstone below 20m denth	<u> </u>			0	12,21,30 N>50	SPT
									· · ·			
21 - - -					s		HW		· · ·		14,23,30/140mm N>50	SPT
-	13.52								· · · · · · · · · · · · · · · · · · ·			
- 22 -					т	SANDSTONE HW:Generally exhibits engineering properties of pale grey, moist, very dense silty sand.			· · ·		27,30/130mm N>50	SPT
- - - - 23						Sand fraction fine grained; minor silt and clay fraction throughout.			· · · · · · · · · · · · · · · · · · ·		00.00//50	
- - - -					U				· · · · · · · · · · · · · · · · · · ·		22,30/150mm N>50	SPT
- - - - 24					V		нw		· · · · · · · · · · · · · · · · · · ·		30/150mm	SPT
- - -									· · ·		N>50	
- - 25					W				· · · · · · · · · · · · · · · · · · ·		30/150mm N>50	SPT
-	9.82								· · · · · · · · · · · · · · · · · · ·			
- 26 					x	CLAYSTONE HW: Generally exhibits engineering properties of mottled brown, moist, hard silty clay.			· · · · · · · · · · · · · · · · · · ·		18,32/150mm N>50	SPT
- - - -						High plasticity; red iron staining in parts.			· · · · · · · · · · · · · · · · · · ·			
- 27 -					Y				· · · · · · · · · · · · · · · · · · ·		21,30/130mm N>50	SPT
- - -									· · · · · · · · · · · · · · · · · · ·			
- 28 - -					z				· · · · · · · · · · · · · · · · · · ·		24,30/135mm N>50	SPT
-									· · ·			
- 29 - - -					AA				· · · · · · · · · · · · · · · · · · ·		23,30/135mm N>50	SPT
- - - - 30									· · · · · · · · · · · · · · · · · · ·			
R	EMARK	s <u>Ob</u>	ser	rvation w	el <u>l</u> ir	stalled, infiltration zone from 5.0m to 31.27m.					LOGGED BY	<u> </u>
											CM / SG	

(c) State of Queensland (Department of Transport and Main Roads) 2020, CC BY 4.0. Please note copyright and limitation of liability notices on attached cover page.



Ipswich Motorway Upgrade - Rocklea to Darra

PROJECT

ENGINEERING BOREHOLE LOG

BOREHOLE No	<u>BH120_</u>
SHEET	4 of4
REFERENCE No	<u>H10914</u>

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

LOC	ATION	<u>_Cnr </u>	<u>Scotts R</u>	o <u>ad</u>	and Ipswich Road service road					СС	OORDINATES
PRO	JECT No		<u>779</u>		SURFACE R.L. <u>35.52m</u> PLUNGE	<u>-90 °</u>		DATE S	TARTED	<u>23/1</u>	1/10GRID DATUM
JOB	No	<u>140/l</u>	<u>J16/902</u>		HEIGHT DATUM <u>AHD</u> BEARING			DATE COM		<u>24/1</u>	1/10 DRILLER Soil Surveys
DEPTH (m)	R.L. (m)	ASING THER VASH BORING	RQD ()% CORE	AMPLE	MATERIAL DESCRIPTION		ISC VEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	RAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS
30	5.52	005	REC %	S BB	MUDSTONE HW:(Cont'd)		2 5	· · · · · · · ·		G	25,30/135mm
- - - - - - - - - - - - - - - - - - -				DD CC	Becoming more greenish with depth.		HW				N>50 3F1
	4.25			UU	Borehole terminated at 31.27m						N>50 SP1
OLD DMR_LIB_ 01.GLB Log A_ENCINEERING BOREHOLE LOG FG5779 IPSWICH MWY_ROCKLEA TO DARRAGPU <					Borehole terminated at 31.27m						

REMARKS Observation well installed, infiltration zone from 5.0m to 31.27m.

LOGGED BY

CM / SG