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 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 Arup". 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 Arup.

SHEET 1 **BOREHOLE RECORD BH253** OF 3 LOGGED BY MJ/GWB CLIENT **DMR** CHECKED BY **GWB** PROJECT IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA DRILLED DATE 30-Nov-07 to 01-Dec-07 RL 14.64m CONTRACTOR ANGLE **GROUND LEVEL** Terratest Vertical 32385 E 150412 N **DRILL MODEL** Edson 3000 BEARING LOCATION **DRILLER Brent Ormsby** HOLE DIAMETER 100mm () **ELEVATION DATUM** Australian Height Datum COORDINATE SYSTEM Local Grid DRILLING **STRATA** MATERIAL DESCRIPTION **OBSERVATION** CONDITION GROUP SYMBOL CONSISTENCY WATER/ MOISTURE SAMPLE, TEST. EGEND R.L DEPTH SOIL ORIGIN, SOIL TYPE NON BIT. SUPPORT. Plasticity / Grain Size, Colour, Minor Components COHESIVE STRUCTURE, COHESIVE ETC. ETC. ST m m Silty Sandy Gravel (SM) loose, fine to medium grained angular, dark brown, sand, medium to coarse grained, trace white gravel, angular. SM **FILL** SPT at 1.8m 12.74 1.90 CL Sandy CLAY (CL) stiff to very stiff, brown with orange grey mottle, with D fine grained subangular gravel **COHES** 11.74 2.90 SC Clayey SAND (SC) dense, medium grained, grey and light brown. Μ SPT at 3.22m N 14:30/130 **NONCO** 10.54 4.10 СН Sandy CLAY (CH) firm, orange sand, medium grained. М **COHES** 10.24 4.40 SC Clayey SAND (SC) dense to very dense, medium grained, orange. M **NONCO** SPT at 5.05m 5.10 N 17:23.32 9.54 SM Silty Clayey SAND (SM) dense to very dense, medium grained, grey. М NONCO 9.04 5.60 SPT at 5.72m N 19;30/145 Clayey SAND (SC) very dense, medium to coarse grained, grey and orange with a trace of subangular gravels and quartz sands. SC M-W Licenced to ARUP 008801016designigeotechnics/gint/master w2d(14.12.07).gpl 008801086016designigeotechnics/gint/gint library.aus_library.12 (04.10.007).glb 1717RALIA CRENERAL BOSEHOLE LOG (rev 12Dec07 checked ABIACP Feb 2006) W NONCO SPT at 7.8m N 16;52/290 7.80 Sand, medium grained, orange with white mottle W 8.90 SC Clayey Silty SAND (SC) medium dense to dense, dark grey. W SPT at 9.3m N 13;14,19 **NONCO NOTES** JOB Hole Diameter 100mm to 24.00m depth. (Augered to 9.45 then wash-bored to 24m. Cased to 10m. Water level @3.9m bgl on 1/12 morning) 86015

SHEET 2 **BOREHOLE RECORD BH253** OF 3 LOGGED BY MJ/GWB CLIENT **DMR** CHECKED BY **GWB** PROJECT IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA DRILLED DATE 30-Nov-07 to 01-Dec-07 CONTRACTOR ANGLE **GROUND LEVEL** RL 14.64m Terratest Vertical 32385 E 150412 N **DRILL MODEL** Edson 3000 BEARING LOCATION DRILLER **Brent Ormsby** HOLE DIAMETER 100mm () **ELEVATION DATUM** Australian Height Datum COORDINATE SYSTEM Local Grid DRILLING **STRATA** MATERIAL DESCRIPTION **OBSERVATION** CONDITION GROUP SYMBOL CONSISTENCY WATER/ MOISTURE SAMPLE, TEST. EGEND R.L DEPTH SOIL ORIGIN, SOIL TYPE NON BIT. SUPPORT. Plasticity / Grain Size, Colour, Minor Components COHESIVE STRUCTURE, COHESIVE ETC. ETC. ST 208∟ S S T m m Clayey Silty SAND (SC) medium dense to dense, dark grey (continued) SC NONCO 4.14 10.50 SP SAND (SP) very dense, fine to coarse grained, grey with clay. SPT at 10.8m N 18:27.28 **NONCO** 2.64 **12**12.00 PP=400kPa MUDSTONE, extremely low strength, dark grey (Properties of clay very stiff CH), foliation partings noted in SPT sample. SPT at 12.3m N 7;17,17 MUD 1.44 13.20 SM Silty SAND (SM) medium dense, fine grained, grey and thinly laminated with black sandy peat. SPT at 13.8m N 7;9,16 NONCO 14.50 thin layer of sand peat, black. noted from wash return -0.16 14.80 MUDSTONE, extremely low strength, dark grey, (Properties of clay hard 15 PP=70kPa MUD SPT at 15.55m N 25:27.33 -0.96 15.60 SP SAND (SP) very dense, fine to medium grained, grey, with a trace of NONCO silt. -1.36 **16**16.00 MUDSTONE, extremely low strength, thinly laminated, dark grey, (Properties of clay, hard, hard, CH). SPT at 16.8m 1.013 Licenced to ARUP (1800) and 1900 17 18 MUD 18.05 thin band (<5mm) of low strength sandstone, fine grained SPT at 18.3m N 12;19,28 18.15 thin band (<5mm) of low strength sandstone, fine grained **NOTES** JOB Hole Diameter 100mm to 24.00m depth. (Augered to 9.45 then wash-bored to 24m. Cased to 10m. Water level @3.9m bgl on 1/12 morning) 86015

CLIENT	DMR					LOGGED BY		GWB	
PROJECT IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA						CHECKED BY GWB DRILLED DATE 30-Nov-07 to 01-De			
CONTRACTOR DRILL MODEL DRILLER	Eds	Terratest ANGLE Vertical Edson 3000 BEARING - Brent Ormsby HOLE DIAMETER 100mm ()					GROUND LEVEL RL 14.64m LOCATION 32385 E 150412 N ELEVATION DATUM Australian Height Datu COORDINATE SYSTEM Local Grid		
DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION		OBSERVA	
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH m	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	MATER/ COHESIVE	STENCY NON COHESIVE		
SPT at 21.28m N 7;50/250	-	-	121.00 × × × × × × × × × × × × × × × × × ×		MUDSTONE, extremely low strength, thinly laminated, dark grey, (Properties of clay, hard, hard, CH). (continued) SILTSTONE, extremely low strength, grey, (Properties of Sandy SILT with clay, hard, ML).	-		MUE	
	-6.36 - - -	- 21 21.00		1 X X /					
		- 22 -					MUE		
		- 23 - -		X		- - - -			
-	-9.36 -	24 24.00		× × >	MUDSTONE, low strength, dark grey, with traces of ironstaining,				
SPT at 24.21m N 20;30/115	-9.63	24.27			- (Properties of clay, hard, CH). Borehole completed at 24.265m depth			MUI	
		- - - 25			- -	-			
	-	- -			: - -	-			
	- - -	- 26			- - -				
	- - - -	- - 27 -			- - - -				
	- - - -	- - 28 -			- - - -				
	- - -	- - - 29			- - -				
	-				- -	1			