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.

OLIENT.	D					HOLE LOGGED BY	MAJ		
CLIENT PROJECT	DMR IPSWI	СН МОТО	RWA	Y UPGF	RADE - WACOL TO DARRA	CHECKED BY DRILLED DAT	CKED BY GWB		
CONTRACTOR DRILL MODEL DRILLER	Geodrill Modified truck Geodrill				ANGLE Vertical BEARING - HOLE DIAMETER 100mm ()	GROUND LEV LOCATION ELEVATION DAT COORDINATE S	5.90m 7 E 150665 Nalian Height Date		
DRILLING		STRA	ΤA		MATERIAL DESCRIPTION	CONDIT	OBSERV/		
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	OOHESIVE COHESIVE	COUESIAE	SOIL (STRU(ET	
-	m	m -	S GRO	1/2 . 34 1/2	SAND (SW) very loose, medium to coarse, light brown, with organics.		H L K	то	
- - -	25.30 25.10	- 0.60 - 0.80 -1	SW SP		SAND (SW) very loose, medium to coarse, orange, with Medium gravel and ironstone fragments. Gravelly SAND (SP) loose to very loose, coarse, dark red, sub-angular gravel, with Clay pockets and ironstone fragments.			NON	
SPT at 1.3m N 16;11,23	24.65	1.25	SC		Clayey SAND (SC) dense, coarse, red and grey, with fine to medium subangular gravel, some layers of white sandy CLAY (at 20mm thick), moist.	- - - -			
SPT at 2.8m N 12;17,19	-	-3				-		NON	
SPT at 4.3m N 10;10,8	21.50	4.40	CM CH		Sandy CLAY (CM - CH) stiff, red and yellow white, fine sand, with silt and quartz subangular gravel, Ironstaining.				
-	20.40	5.50	SM	 	Silty SAND (SM) dense, fine to coarse, grey yellow, Ironstaining.	-	-	СОН	
SPT at 5.8m N 6;14,30		6 	, J141	· · · × · · · · × · · · · × · · · · ×		- - - - -		NON	
SPT at 7.3m N 25;30,28	18.90 -	- 7 7.00	SW	×	Silty Gravelly SAND (SW) very dense, fine to medium, white yellow, fine to medium angular to subrounded gravel, with low to medium plasticity Silt.	- - - - -		NON	
SPT at 8.8m	17.40	8.50	SW		Clayey Gravelly SAND (SW) very dense, fine to medium, orange, fine to medium angular to subrounded gravel, with low to medium plasticity Clay.			NON	
N 8;29,29 - - -	16.90 -	9 9.00	MI		Sandy Clayey SILT (MI) very stiff, grey.	-		сон	

CLIENT	JP B						HOLE LOGGED BY MAJ		MAJ	OF 3	
PROJECT		СН МОТО	RWA	Y UPGF	RADE - WACOL TO DARRA	CHECKED BY DRILLED DATE				GWB 22-Mar-07	
CONTRACTOR DRILL MODEL DRILLER	Geodrill Modified truck Geodrill				ANGLE Vertical BEARING - HOLE DIAMETER 100mm ()		GROUND LEVEL RL 25 LOCATION 32927			5.90m 7 E 150665 I alian Height Dati Grid	
DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION			OBSERVA		
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER/ MOISTURE	CONS	SISTENCY NC COHE)N	SOIL (
	m	m		××		> ž	S S T S T S	± = = = =		E	
SPT at 10.3m N 7;11,24		Ī	MI	× × ×	Sandy Clayey SILT (MI) very stiff, grey. (continued)	}				СОН	
	15.30	10.60	sc	× × ×	Clayey SAND (SC) dense becoming very dense, fine to medium, white yellow, medium plasticity clay with fine gravel, Ironstaining.						
- -	-	+11 +			-						
SPT at 11.8m N 19;12,17		†			- - -	-					
-		+ 12 + +			12.00m - 13.50m Clay content is high placticity						
- -		+ + + 13				-				NON	
SPT at 13.3m N 16;25,26		†		- 	13.50m - 14.50m Grain size medium to fine (clay content is high	-			5		
-					placticity)	-					
SPT at 14.8m	11.20	14.70	SW		14.50m - 14.70m Grain size medium to fine (clay content is high placticity)						
N 29;25,29	-	† +15 +			Clayey Gravelly SAND (SW) very dense, fine to medium, yellow, with Subrounded medium gravel and medium plasticity Clay.	-				1101	
-		†			15.30m - 16.00m grain size coarse - -	1				NON	
SPT at 16.3m N 3;0,0	9.90 -	16 16.00	CL		Clayey SAND (CL) loose, medium to coarse, orange yellow, low plasticity clay with Trace of fine gravel.	-					
-		Ī								NON	
-	8.70	17 17.20	СН	- · · · · · · · · · · · · · · · · · · ·	Silty CLAY (CH) very stiff, grey.	-			-		
SPT at 17.8m		<u> </u>		X X	17.40m - 20.20m With fine sand						
N 5;10,15		† + 18		× × ×	-						
-		‡		× × × × × × × × × × × × × × × × × × ×		1				сон	
SPT at 19.3m N 8;8,25	-	19		× × ×							
		Ĭ		× ×	19.50m - 24.00m Dark Grey						

CLIENT	DIMD	ļ				LOGGED BY	MAJ	OF 3			
CLIENT DMR PROJECT IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA							CHECKED BY GWB DRILLED DATE 22-Mar-07				
CONTRACTOR Geodrill DRILL MODEL Modified truck DRILLER Geodrill					ANGLE Vertical BEARING - HOLE DIAMETER 100mm ()	GROUND LEV LOCATION ELEVATION DATE COORDINATE SY	5.90m 7 E 150665 N alian Height Datum Grid				
DRILLING		STRA	TA		MATERIAL DESCRIPTION	CONDIT	ON	OBSERVAT			
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH m	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE / VS COHESINE ST COHESINE COHESINE ST	NON COHESIVE	SOIL ORK STRUCTU ETC.			
SPT at 20.8m N 7;15,19	-	- 21	CH	X X X X X X X X X X X X X X X X X X X	Silty CLAY (CH) very stiff, grey. (continued) 20.20m - 20.30m Tough Ironstone Lens 20.20m - 20.90m With Ironstone and gravel	-					
SPT at 22.3m N 10;17,24	+	- 22		X_ X X_ X X_ X X_ X X_ X X_ X X_ X X_ X				COHES			
SPT at 23.3m N 11;19,30	1.90	- 23		X X X X X X X X X X X X X X X X X X X	23.00m - 24.00m With Pockets of sandstone XW Borehole completed at 24m depth						
-	+	- 25 - 25 26									
-	+	- 27				-					
- - - - -	+	- 28 - 28 29									