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						HOLE LOGGED BY MAJ	OF 3	
PROJECT	DMR	ЭН МОТО	RWA	Y UPGE	RADE - WACOL TO DARRA	CHECKED BY GWE		
CONTRACTOR DRILL MODEL DRILLER	Ge Mo	odrill odified truc			ANGLE Vertical BEARING - HOLE DIAMETER 100mm ()	GROUND LEVEL ~RL: LOCATION 3286	ar-07 20.85m 5 E 150547 I alian Height Dat Grid	
DRILLING SAMPLE, TEST, BIT, SUPPORT, ETC.		STRA	ΤA		MATERIAL DESCRIPTION	CONDITION	OBSER\	
	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	MON COHESIVE NON COHESIVE	SOIL O	
	m	m	S GRO		Gravelly SAND (SW) Very loose, fine to medium, light brown, Fine to	N N T N T N T N T N T N T N T N T N T N	E.	
-	20.55	0.30	SC		- coarse Subangular gravel with Sitt. Clayey SAND (SC) Very loose, fine to medium, light brown.	<u>.</u> - -	FIL	
SPT at 1.3m N 6;5,4	19.85 -	1 1.00	СМ		Sandy CLAY (CM) Firm, orange red, Fine to medium sand with roots and wood and trace gravel, Ironstaining.		0011	
- - -	18.75	- 2 2.10	CL		1.50m - 2.10m Brown grain size medium Sandy CLAY (CL) Firm, red brown, Coarse sand with gravel.	<u> </u>	сон	
-	18.45	2.40	SC		Gravelly Clayey SAND (SC) Dense, Fine to Coarse, yellow brown, low-plasticity Clay Fine to medium subrounded gravel.		NON	
SPT at 2.8m N 10;20,14	17.95	2.90	CL CM	× × ×	2.70m - 2.90m Percentage clay increases L Silty CLAY (CL - CM) Very stiff, light brown, Ironstaining.		сон	
• • •	17.35	3.50	МН	× ·× × ·× × ·× × .×	Sandy SILT (MH) stiff, grey, fine sand.	- -		
SPT at 4.3m N 4;7,7		+ + -		× × × × × × × × × × × × × × × × × × ×	- - -		СОН	
- - -	-	- 5 - -		× × × × × × × × × × × × × × × × × × ×	- - -			
SPT at 5.8m N 3;5,12	14.75	6 6.10	CL	* .× * .× * .×	- - - - Sandy Gravelly CLAY (CL) very stiff, red, gravel rounded to angular Fine to coarse, sand fine to medium.	- - -		
- L		† - - - 7			6.50m - 6.90m Grey 6.90m - 7.00m Yellow		сон	
SPT at 7.3m N 14;13,10	13.45 13.25	- 7.40 - 7.60	SC		7.00m - 7.40m Grey Clayey SAND (SC) loose to medium dense, Medium to coarse, red orange.	<u> </u>	NON	
-	12.75	- 7.60 - 8 8.10	CL CM	× -× -× -× -× -× -× -× -× -× -× -× -× -×	Silty CLAY (CL - CM) firm to stiff, grey.		сон	
SPT at 8.8m N 6;7,8		+ 3.13 - - -	SC		Clayey SAND (SC) medium dense, fine to medium, grey and yellow orange low plasticity Clay Layering of grey and yellow orange 200mm thick, clay content increases with depth.			
-	-	- 9 - -			<u>-</u> - -	- - - -	NON	

SHEET 2 **BOREHOLE RECORD BH103** OF 3 LOGGED BY MAJ CLIENT **DMR** CHECKED BY **GWB** PROJECT IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA DRILLED DATE 23-Mar-07 ~RL 20.85m 32865 E 150547 N CONTRACTOR ANGLE **GROUND LEVEL** Geodrill Vertical DRILL MODEL Modified truck BEARING LOCATION DRILLER Geodrill 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. STRUCTURE, Plasticity / Grain Size, Colour, Minor Components COHESIVE COHESIVE ETC. ETC. S = TS ST = TS VS1 208∟ m m SC **NONCO** SPT at 10.3m N 9;13,16 10.55 10.30 Sandy CLAY (CL - CM) very stiff, grey and orange, Coarse sand in orange layers, 200mm thick. CL CM **COHES** 9.55 11.30 Sandy CLAY (CL - CM) very stiff, light brown, Sand fine to medium. SPT at 11.8m **COHES** N 11;14,21 8.65 12.20 Silty CLAY (CM - CH) stiff, dark grey, with medium to coarse sand layers 30mm thick **COHES** 13 SPT at 13.3m N 4;5,7 13.70 SC Clayey SAND (SC) dense, orange yellow clay content increases with SPT at 14.8m N 15:19.25 15 NONCO 16 SPT at 16.3m N 9:18.18 4 45 16 40 Sandy CLAY (CL - CM) very stiff, dark grey. **COHES** 17 3.55 17.30 Silty CLAY (CH) stiff to very stiff, dark grey. SPT at 17.8m N 8;11,8 **COHES** 1.50 19.35 N 9;25,30 XW Sandstone, fine to medium, dark to light grey, properties of a Clayey SAND very dense. **SNDSTN NOTES** JOB Hole Diameter 100mm to 23.50m depth. () Standpipe installed to 4m depth. Slotted piping from 4m to 1m depth. 86015

CLIENT	DMR						OGGED BY		MAJ		
PROJECT IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA							CHECKED BY GWB DRILLED DATE 23-Mar-07				
CONTRACTOR DRILL MODEL DRILLER	Mod	odrill dified truc odrill	k		ANGLE Vertical BEARING - HOLE DIAMETER 100mm ()	LOCATION 3286				20.85m 5 E 150547 N alian Height Datum Grid	
DRILLING		STRA	ΤA		MATERIAL DESCRIPTION		CONE	OITIO	N		OBSERVAT
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CON COHESI	- 1	NC COHE	ON ESIVE	ETC
	0.55	20.30)	:::::	XW Sandstone, fine to medium, dark to light grey, properties of a Clayey - SAND very dense. (continued)		70,20				SNDSTI
SPT at 20.8m N 8;14,23	0.55	- 20.30 - - - 21			XW Mudstone, dark grey, properties of a very stiff to hard Silty CLAY CH.						
- - -	- - -	- - -			- - -	-					
SPT at 22.3m N 9;15,24	- - - -	- 22 - -			- - -	-					MUD
SPT at 23.3m N 9;18,24	-2.65	- 23 - 23 - 23 .50			- - - -						
- -	+ - -	- - - 24 -			- Borehole completed at 23.5m depth	-					
-	- - -	- - - - 25			- - -						
-	- - -	-			- - -						
-	-	- 26 - -			- - -						
-	- - -	- 27 			- - -						
-	-	- - 28 -			- - -						
-	- - - - -	- - - 29			- - -	-					
		-			<u>.</u> -						