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SHEET 1 **BOREHOLE RECORD BH250** OF 2 LOGGED BY ACS CLIENT **DMR** CHECKED BY **GWB** PROJECT IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA DRILLED DATE 15-Oct-07 RL 17.26m CONTRACTOR ANGLE **GROUND LEVEL** Terratest Vertical **DRILL MODEL** 32586 E 151054 N 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. .s. m m Silty SAND (SM) loose, medium to coarse grained, dark brown, with a trace of gravel fine grained sub-rounded and a trace of grass rootlets. SM D **NONCO** 0.50 brown and grey SPT at 0.8m 16.51 0.75 CL CLAY (CL) firm, red-brown grey mottle, with ironstone sand medium to D-M N 2;3,4 **COHES** 14.56 2.70 CLAY (CL-CI) very stiff occasional very soft lenses, grey mottled brown red-brown, with silt and sand medium to coarse grained sub-angular. CL CI 3.00m - 3.45m sand nodules present SPT at 3.3m N 10;13,17 .. 6.00 with sand nodules (ironstained) fine grained SPT at 6.3m **COHES** N 11;13,22 9.00 grey-brown, ironstaining apparent N 6;10,14 **NOTES** JOB Hole Diameter 100mm to 15.09m depth. (Solid Flight Augering to 3m. HW casing to 3.5m. Washboring using 100mm diameter tri-blade bit from 3m to 12m, 100mm diameter tri-cone roller from 12m to 15m. No free groundwater 86015 encountered during drilling.)

CLIENT	DMR					LOGGED BY	ACS	
PROJECT IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA						CHECKED BY GWB DRILLED DATE 15-Oct-07		
CONTRACTOR DRILL MODEL DRILLER	atest on 3000 nt Ormsb	3000 BEARING -			GROUND LEVEL RL 17.26m LOCATION 32586 E 151054 N ELEVATION DATUM Australian Height Datum COORDINATE SYSTEM Local Grid			
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SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH m	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER/ MOISTURE VS S S CONCESIONO ST ST SISSONO H H	NON COHESIVE	SOIL ORIG STRUCTUF ETC.
	+	-11	CL CI		CLAY (CL-CI) very stiff occasional very soft lenses, grey mottled brown red-brown, with silt and sand medium to coarse grained sub-angular. (continued)	> 0 L 0 > 1		COHES
SPT at 12.08m N 30/150s	5.26	-1212.00 -13	СН		CLAY (CH) hard, dark grey-black 12.10 gravel fine to coarse grained angular (possible high strength mudstone nodule)			
SPT at 13.72m N 18;30/130	+	-14			13.55 lenses of siltstone extremely weathered, extremely low strength, with properties of a hard sandy silty clay (CI) with sand fine grained	-		COHES
SPT at 15.05m N 30/90s	2.26 - 2.17 -	- 15 15.00 15.09			SILTSTONE fine grained, extremely weathered, extremely low strength, grey mottled brown, with properties of a very dense clayey silty sand (CL) fine grained. Borehole completed at 15.09m depth	A		MUD
	† † †	-16			- - - - -	- - - - -		
		- 17			- - - - -	- - - - -		
		- 18			- - - -	- - - - -		
-	+	-19			- - -	- - - -		