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SHEET 1 BH210 BOREHOLE RECORD OF 2 LOGGED BY ACS CLIENT DMR **CHECKED BY** PROJECT IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA DRILLED DATE 19-Sep-07 to 20-Sep-07 CONTRACTOR GROUND LEVEL Terratest ANGI F Vertical RL 19.14m 32538 E 151540 N **DRILL MODEL** Edson 3000 BEARING LOCATION **DRILLER Brent Ormsby** HOLE DIAMETER 100mm () **ELEVATION DATUM** Australian Height Datum COORDINATE SYSTEM Local Grid DRILLING **STRATA OBSERVATION** MATERIAL DESCRIPTION CONDITION SYMBOL CONSISTENCY WATER/ MOISTURE SAMPLE, TEST. EGEND DEPTH SOIL ORIGIN, R.L SOIL TYPE BIT. SUPPORT. NON Plasticity / Grain Size, Colour, Minor Components COHESIVE STRUCTURE, GROUP COHESIVE ETC. ETC. S S T S YS _8_8 m m ASPHALT **FILL** 19.06 0.08 CONCRETE **FILL** 18.84 0.30 Sandy GRAVEL (road base) (GP) medium dense, fine to coarse grained, sub-angular, blue-grey, sand, fine to coarse grained. GP NONCO 00 18.64 0.50 CL Sandy CLAY (CL) stiff, red-brown-grey, sand, fine to coarse grained, **COHES** with ironstone gravels fine grained sub-angular 18.34 0.80 CL **COHES** CLAY (CL) stiff, grey mottled red-brown, sand, fine to coarse grained SPT at 1m 18.14 1.00 N 6:12.17 GP Sandy GRAVEL (road base) (GP) fine to medium grained, sub-angular 00 NONCO sand, fine to coarse grained, (with crushed mudstone fragments). 17.84 1.30 CL Sandy CLAY (CL) very stiff, grey red-brown, sand, medium to coarse COHES 17.64 1.50 grained CL Sandy CLAY (CL) very stiff, mottled red-brown, brown-grey, sand, fine **COHES** SPT at 1.8m to coarse grained, with ironstone nodules. 1.57m - 1.91m - contains sandstone gravels, medium to coarse N 7;21,10 17.23 1.91 CL grained (nodules or just fill) Sandy CLAY (CL) very stiff, red-brown, brown, sand, very fine grained, with ironstone and sandstone gravels, fine to medium grained, **COHES** sub-angular . 2.30m - 2.58m - possible well cemented, fine grained sand band. 2.58 Appears as sandy gravel, fine to medium grained sub-rounded, grey 16.56 SPT at 2.68m CI COHES 16.52 2 62 N 26:30/60 Sandy CLAY (CL) hard, with gravel, coarse grained, angular SAND (SP) very dense, fine grained, dark brown, well cemented **NONCO** SPT at 3.54m 15.64 3.50 SP Clayey SAND (SP) very dense, fine to coarse grained, red-brown, with N 30/80s gravel, fine grained, sub-angular NONCO SPT at 4.56m 14.58 4.56 N 30/125s SP SAND (SP) very dense, fine to medium grained, well cemented, (sandstone, extremely weathered, extremely low strength). **NONCO** - 5 5.00 14.14 Clayey SAND (SP) very dense, fine to medium grained, light brown-brown (sandstone, extremely weathered, extremely low strength). SP NONCO 5.40 13.74 SANDSTONE, medium to coarse grained, extremely low strength, extremely weathered, grey-brown, (well cemented clayey sand). **SNDSTN** 13.64 5.50 SNDSTN SPT at 5.7m 13.44 5.70 SANDSTONE, fine to medium grained, extremely low strength, N 30;30/90 extremely weathered, grey-white, (well cemented sand). SANDSTONE, fine to coarse grained, (cemented clayey sand) **SNDSTN** 12.64 6.50 SANDSTONE, fine to coarse grained, extremely low strength, extremely weathered, grey mottled red-brown, (well cemented fine to coarse SPT at 6.8m grained sand, with a trace of clay). Stdesignigeotechnics/gintlmaster w2d(14.12.07).gpj Stdesignigeotechnics/gintlgint librarylaus, library_12 (04.10.007).glb GenErAL BORFHOLE LOG (rev 12Dec07 checked AB/ACP Feb 2006) 2. Made Z2Jan08 10.49 7.50m - 7.95m - ironstained **SNDSTN** SPT at 7.8m 8.90 CL CLAY (CL) very stiff, red-brown, grey, sand, fine to coarse grained, with **COHES** 9.50 ironstone sand, medium to coarse grained, angular SPT at 9.8m N 9;17,18 9.36 9.78 CI **COHES NOTES** JOB Hole Diameter 100mm to 14.11m depth. (Solid Flight Augering to 13.7m. No free groundwater observed during drilling.) 86015

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CLIENT PROJECT						CHECKED BY DRILLED DATE 19-Sep-07 to 20-Sep		
CONTRACTOR	Terratest ANGLE Vertical Edson 3000 BEARING - Brent Ormsby HOLE DIAMETER 100mm ()					GROUND LEVEL	RL 19	9.14m
DRILL MODEL DRILLER						LOCATION 32538 E 151540 N ELEVATION DATUM Australian Height Datum		
DDILLING		CTDA	Τ.		MATERIAL DESCRIPTION	COORDINATE SYST		
DRILLING		STRA		Ī	MATERIAL DESCRIPTION	CONDITIO		OBSERVA
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	Q.	SOIL TYPE	CONSISTENCY WON COHESIVE		SOIL OF
			SOUP	LEGEND	Plasticity / Grain Size, Colour, Minor Components	TAW COHESIVE	COHESIVE	STRUCT ETC
	m	m	CI		CLAY (CI) very stiff, grey mottled light brown, with root fibres (possible		<u> </u>	
	-	<u> </u>			- mudstone). (continued)			00115
	-					-		COHE
-	8.14 -	11 11.00	CL		CLAY (CL) very stiff.			COHE
SPT at 11.3m N 5;10,12	7.96 7.84	11.18 11.30	CL CL		CLAY (CL) soft to firm, red-brown, grey, ironstone sand, medium to coarse grained, angular.			COHE
		_			CLAY (CL) soft then very stiff, grey, mottled light brown. 11.41 ironstone sands, medium to coarse grained 11.42 sub-angular, stiff to very stiff, low plasticity, grey mottled light	-	$\prod $	
	-	12			11.42 sub-angular, sun to very sun, low plasucity, grey motitied right brown -	-		COHE
	-					-		
	6.64	12.50	СН		CLAY (CH) very stiff then hard, grey-brown, (mudstone extremely low strength, extremely weathered, massive).			
SPT at 13.98m N 11;57/260	-	13				-		
		. .			<u>.</u>	-		COHE
		† 			. •			
	5.44	13.70			. MUDSTONE, grey-brown/grey-black, (clay CH, hard).	-		MUD
	5.13 - 5.03	14 14.01 14.11		× × >	SILTSTONE/fine grained SANDSTONE, extremely low strength, extremely weathered, massive grey.	7		MUD
	-	<u> </u>			Borehole completed at 14.11m depth			
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