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CLIENT	DMR	LOGGED BY	ACS
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA	CHECKED BY	GWB
		DRILLED DATE	31-Jul-07
CONTRACTOR	Terratest	ANGLE	Vertical
DRILL MODEL	Edson 3000	BEARING	-
DRILLER	Brent Ormsby	HOLE DIAMETER	100mm ()
		GROUND LEVEL	RL 13.76m
		LOCATION	31947 E 150250 N
		ELEVATION DATUM	Australian Height Datum
		COORDINATE SYSTEM	Local Grid

DRILLING		STRATA			MATERIAL DESCRIPTION		CONDITION		OBSERVATION								
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY										SOIL ORIGIN, STRUCTURE, ETC.
	m	m					COHESIVE					NON COHESIVE					
							VS	SL	ST	VST	H	VL	J	MD	D	VD	
<div>SPT at 1.8m N 4;4,3</div> <div>SPT at 3.3m N 4;3,7</div> <div>SPT at 4.8m N 5;10,13</div> <div>SPT at 6.3m N 4;9,10</div> <div>SPT at 7.71m N 23;30/120</div> <div>SPT at 9.19m N 20;30/75</div>	13.46	0.30	CM		CLAY (CM) firm, brown, with sand fine to medium grained, a trace of gravels fine grained sub-rounded and grass rootlets.												COHES
	13.16	0.60	SP		Sandy CLAY soft, brown-grey, sand, fine grained, with a trace of silt and a trace of gravels fine grained sub-rounded.												COHES
	1				SAND (SP) loose, fine to coarse grained, light brown.											NONCO	
	12.46	1.30	SM		Silty SAND (SM) loose, fine to medium grained, brown and grey, with a trace of clay.												NONCO
	12.00	1.76	CL		Sandy CLAY (CL) soft to firm, grey, sand fine grained.												COHES
	11.46	2.30	SC		Clayey SAND (SC) loose, fine to medium grained, grey.												NONCO
	10.65	3.11	CH		.... 3.00m - 3.11m ironstone gravels, fine to medium grained sub-angular with some ironstone gravels, coarse grained												COHES
	10.37	3.39	SP		Silty CLAY (CH) firm, grey-light brown.												NONCO
					SAND (SP) loose to medium dense, fine to coarse grained, grey, with clay.												NONCO
	9.46	4.30	CM		CLAY (CM) very stiff, red-brown grey (ironstained), with ironstone gravel fine to medium grained, angular to sub-rounded.												COHES
					.... 4.50m - 4.80m ironstone gravels, fine to medium grained, angular to sub-rounded												COHES
	7.76	6.00	CH		CLAY (CH) stiff, red-brown and grey, with ironstone gravels fine grained.												COHES
					.... 7.10m - 7.30m with sand, fine to coarse grained												COHES
	6.26	7.50	SP		SAND (SP) very dense, medium to coarse grained, grey, with gravel fine to medium grained angular to sub-rounded, with clay.												NONCO
																	NONCO
	4.76	9.00	SW		Gravelly SAND (SW) very dense, medium to coarse grained, grey, gravels fine to medium grained with some gravels, coarse grained, angular to sub-rounded with clay, (poorly cemented sands and gravels).												NONCO

NOTES Hole Diameter 100mm to 18.50m depth. (Solid Flight Augering to 3m. HW casing to 4.5m. Washboring with 100mm diameter tri-blade bit from 3m to 18.5m. No free groundwater observed during drilling.)

JOB

86015

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		DRILLED DATE	31-Jul-07
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SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY								SOIL ORIGIN, STRUCTURE, ETC.	
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							VS	SL	ST	VST	H	VL	LD	VD		
← SPT at 10.8m N 7;25,24	3.26	10.50	SW		Gravelly SAND (SW) very dense, medium to coarse grained, grey, gravels fine to medium grained with some gravels, coarse grained, angular to sub-rounded with clay, (poorly cemented sands and gravels). <i>(continued)</i>											NONCO
	2.96	10.80	GW		Sandy GRAVEL (GW) dense, fine to medium grained, white-grey, black, sub-angular to sub-rounded, with gravels, coarse grained.											NONCO
		11	SP		SAND (SP) very dense, fine to medium grained, grey, with trace of clay.											
← SPT at 12.21m N 6;30/120	1.76	12.00	GW		.... 11.90 hole collapsing at this depth Sandy GRAVEL (GW) dense then very dense, fine to medium grained, white-grey, black, sub-angular to sub-rounded, with gravels, coarse grained.											NONCO
		13														
		14	SP		SAND (SP) very dense, medium to coarse grained, grey, with quartz gravels, fine grained.											
← SPT at 13.72m N 9;30/145	0.06	13.70			.... 14.40 hole collapsing due to sands and gravels											
		15														
		16														
		17														
		18														
	-4.74	18.50			.... 18.50 collapsing of sand and gravels Borehole completed at 18.5m depth											
		19														

NOTES Hole Diameter 100mm to 18.50m depth. (Solid Flight Augering to 3m. HW casing to 4.5m. Washboring with 100mm diameter tri-blade bit from 3m to 18.5m. No free groundwater observed during drilling.)

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