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CLIENT	DMR	LOGGED BY	ACS
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA	CHECKED BY	GWB
		DRILLED DATE	03-Oct-07 to 04-Oct-07
CONTRACTOR	Terratest	ANGLE	Vertical
DRILL MODEL	Edson 3000	BEARING	-
DRILLER	Brent Ormsby	HOLE DIAMETER	100mm ()
		GROUND LEVEL	RL 13.87m
		LOCATION	31134 E 149577 N
		ELEVATION DATUM	Australian Height Datum
		COORDINATE SYSTEM	Local Grid

DRILLING	STRATA		GROUP SYMBOL	LEGEND	MATERIAL DESCRIPTION	WATER/MOISTURE	CONDITION										OBSERVATION			
	SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.					DEPTH	SOIL TYPE	Plasticity / Grain Size, Colour, Minor Components	CONSISTENCY										
										COHESIVE					NON COHESIVE					SOIL ORIGIN, STRUCTURE, ETC.
	m	m				VS	S	ST	VST	H	VL	J	MD	D	VD					
		13.47	0.40	SP	Silty Clayey SAND (SP) fine to coarse grained, dark brown, clay (CL) with gravel, fine grained, sub-angular, with tree rootlets.	D-M											NONCO			
		13.27	0.60	CL	Silty CLAY (CL) very soft, dark brown, with a trace of sand fine to medium grained.												COHES			
				CL	Silty CLAY (CL) very soft then firm, light brown mottled grey, with sand fine grained, and a trace of gravel fine grained.	D-M											COHES			
		12.37	1.50	CL	CLAY (CL) stiff, grey and light brown, with silt and sand fine grained.	D-M											COHES			
	SPT at 1.8m N 3;8,11	11.87	2.00	SP	Clayey SAND (SP) medium dense, fine to coarse grained, white-light grey, clay low plasticity, with a trace of silt.	D-M											NONCO			
		11.27	2.60	SP	SAND (SP) medium dense, fine to coarse grained, light brown, with a trace of clay.	D											NONCO			
	SPT at 3.3m N 7;14,16	10.67	3.20	CL	Sandy CLAY (CL) very stiff, mottled light brown red-brown, sand fine to medium grained.												COHES			
				 4.00 sand content increasing															
	SPT at 4.79m N 28;58/270	9.37	4.50	SP	SAND (SP) very dense, medium to coarse grained, red-brown and brown, with silt, and clay (CL) and ironstone gravels, fine grained, angular.	D-M											NONCO			
		7.77	6.10	SP	SAND (SP) dense, fine to coarse grained, grey (mottled light brown in places) with silt, a trace of clay, and a trace of gravel, fine grained, sub-angular.	W											NONCO			
	SPT at 7.8m N 8;9,9	6.15	7.72	CL	Silty CLAY (CL) stiff, grey mottled light brown, with nodules of sand fine grained.												COHES			
	SPT at 9.3m N 5;7,13	4.87	9.00	CL	Silty CLAY (CL) stiff, mottled grey-brown, with silt, ironstained in parts, with a trace of ironstone gravel, fine to medium grained, sub-rounded.	D-M											COHES			

NOTES	Hole Diameter 100mm to 20.30m depth. (SFA to 10.5m. HW casing to 10.5m then HQ to 14.6m. Washbore with 100mm dia. tri-blade bit from 10.5m to 13m, 75mm dia. tri-blade bit from 13m to 17.3m, 75mm tri-cone roller from 17.3m to 20.3m. Groundwater below 4.5m. Hole collapsed to 19.3m.)	JOB	86015
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		DRILLED DATE	03-Oct-07 to 04-Oct-07
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DRILL MODEL	Edson 3000	BEARING	-
DRILLER	Brent Ormsby	HOLE DIAMETER	100mm ()
		GROUND LEVEL	RL 13.87m
		LOCATION	31134 E 149577 N
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DRILLING	STRATA		GROUP SYMBOL	LEGEND	MATERIAL DESCRIPTION	WATER / MOISTURE	CONDITION								OBSERVATION		
	SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.					DEPTH	SOIL TYPE								SOIL ORIGIN, STRUCTURE, ETC.	
								Plasticity / Grain Size, Colour, Minor Components				CONSISTENCY					
	m	m	VS	S	F	ST	VST	H	VL	J	MD	D	VD				
			CL	X	Silty CLAY (CL) stiff, mottled grey-brown, with silt, ironstained in parts, with a trace of ironstone gravel, fine to medium grained, sub-rounded. <i>(continued)</i>										COHES		
			CL	X	Silty CLAY (CL) stiff, grey, with sand fine grained.										COHES		
SPT at 10.76m N 5;48/225	3.37	10.50	SP		Gravelly SAND (SP) very dense, medium to coarse grained, light grey-white, gravel fine to medium grained, sub-angular, with clay.										NONCO		
		11															
SPT at 12.09m N 5;43/280	3.14	10.73	GP		Sandy GRAVEL (GP) dense then very dense, fine to medium grained, red, black, grey and white (multicoloured) sand medium to coarse grained, sub-rounded to sub-angular.										NONCO		
		12															
	1.77	12.10															
		13															
SPT at 13.71m N 13;30/110				 13.50 hole collapsed by 0.8m when trying to do SPT												
		14															
		15															
		16															
		17															
SPT at 17.35m N 30/90s				 17.30 with clay fines												
		18															
		19															
	-5.43	19.30			Borehole completed at 19.3m depth												

NOTES	Hole Diameter 100mm to 20.30m depth. (SFA to 10.5m. HW casing to 10.5m then HQ to 14.6m. Washbore with 100mm dia. tri-blade bit from 10.5m to 13m, 75mm dia. tri-blade bit from 13m to 17.3m, 75mm tri-cone roller from 17.3m to 20.3m. Groundwater below 4.5m. Hole collapsed to 19.3m.) Hole collapsed at 19.3m by 1m	JOB	86015
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