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CLIENT	DMR	LOGGED BY	MAJ
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA	CHECKED BY	GWB
		DRILLED DATE	26-Mar-08
CONTRACTOR	Terratest	ANGLE	Vertical
DRILL MODEL	Edson 3000	BEARING	-
DRILLER	Terratest	HOLE DIAMETER	100mm ( )
		GROUND LEVEL	RL 13.28m
		LOCATION	32349 E 150385 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	CONSISTENCY								
									COHESIVE				NON COHESIVE				SOIL ORIGIN, STRUCTURE, ETC.
	m	m			Plasticity / Grain Size, Colour, Minor Components	VS	SL	ST	VST	H	VL	J	MD	D	VD		
			MM	x x x	Sandy Clayey SILT (MM) soft, dark brown, sand fine grained.	M	█									ALV	
			CI	x x x	Sandy CLAY (CI) soft to firm, grey and brown mottle, sand fine grained, with organics, interbedded with layers of 10mm thick clayey SAND medium grained.	D	█									ALV	
SPTLS	N=7 2;3,4	1			.... 1.30 Clay changed from intermediate plasticity to high plasticity												
					.... 2.00 Material becoming firm.	D	█										
SPTLS	N=7 2;3,4	2															
			CH		Sandy CLAY (CH) firm, grey, sand medium to coarse grained.	M	█									COHES	
U		3	SC		Clayey SAND (SC) dense, medium grained, grey, with fine grained subangular gravel.	D	█									NONCO	
SB																	
			SP		SAND (SP) medium dense, medium grained, grey with clay.	W										NONCO	
SPTLS	N=48 17;25,23	4	SP		SAND (SP) dense to very dense, coarse grained, brown grey, with fine grained subangular gravel, occasional ironstaining.	M										NONCO	
			SM	x x	Silty SAND (SM) dense, fine to coarse grained, grey, with clay and fine grained angular gravel.											NONCO	
SPTLS	N=42 15;19,23	5	ML	x x	Sandy SILT (ML) soft, dark grey, sand fine grained.		█									COHES	
			SM	x x	Silty SAND (SM) medium dense to dense, medium grained, grey brown mottle with clay.											NONCO	
			SC	x x	Clayey SAND (SC) dense, medium to coarse grained, brown.	D										NONCO	
SPTLS	N=49 14;22,27	7	SC		Clayey SAND (SC) dense, medium grained grey with pockets of sand.											NONCO	
			SC		Clayey SAND (SC) dense, fine grained grey clay high plasticity, increasing clay content.											NONCO	
SPTLS	N=31 16;15,16	8	CH		Sandy CLAY (CH) stiff, dark brown, sand fine grained, small ironstaining.		█									COHES	

NOTES	Hole Diameter 100mm to 25.45m depth. (150mm auger to 4m depth then 100mm washbore to full depth)	JOB	86015
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CLIENT	DMR		
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA		
CONTRACTOR	Terratest	ANGLE	Vertical
DRILL MODEL	Edson 3000	BEARING	-
DRILLER	Terratest	HOLE DIAMETER	100mm ( )

LOGGED BY	MAJ
CHECKED BY	GWB
DRILLED DATE	26-Mar-08
GROUND LEVEL	RL 13.28m
LOCATION	32349 E 150385 N
ELEVATION DATUM	Australian Height Datum
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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	CONSISTENCY							SOIL ORIGIN, STRUCTURE, ETC.	
	m	m				VS	COHESIVE			NON COHESIVE				
							ST	VST	VL	ML	DL	VD		
SPTLS N=36 8;14,22	3.28	10.00	CH	X X X	Silty CLAY (CH) very stiff to hard, dark brown, with fine grained quartz sand.									COHES
U		11		X X X	.... 10.60 Medium grained sand, very thin layer interbedded in every 100mm and Ironstone lenses in the sand layer									
SPTLS N=31 9;13,18		12		X X X	.... 11.50 Sand content increasing, Silty CLAY going from very stiff to hard to very stiff									
U				X X X										
SPTLS N=34 24;15,19	0.28	13.13.00		X X X	Sandy MUDSTONE, extremely low strength, black grey (Properties of hard, clay (CH) with fine to medium grained sand).									MUD
		14		X X X										
	-0.82	14.10		X X X	Sandy MUDSTONE, extremely low strength, dark grey (Properties of hard, sandy clay (CH), sand is fine grained, with pockets of clayey sand grey very dense).									MUD
SPTLS N=69* 22;30/130		15		X X X	.... 15.20 with fine to medium grained sand									
		16		X X X										
SPTLS N=66** 32/145s	-2.52	15.80		X X X	Sandy MUDSTONE, low strength, medium grained, grey brown with gravel of Sandstone, (Properties of very stiff to hard, medium grained sandy clay CH with gravel and silt).									MUD
		17		X X X										
	-3.52	16.80		X X X	Sandy MUDSTONE, low strength, dark grey (Properties of Sand CLAY (CI-CH) hard, sand fine grained).									MUD
SPTLS N=77* 18;58/225		18		X X X										
		19		X X X										
SPTLS N=69* 19;30/130	-5.72	19.19.00		X X X	SANDSTONE medium grained, medium strength.									SNDSTN
	-5.92	19.20		X X X	Sandy MUDSTONE, low strength, dark grey (Properties of Sand CLAY (CI-CH) hard, sand fine grained).									MUD

NOTES	Hole Diameter 100mm to 25.45m depth. (150mm auger to 4m depth then 100mm washbore to full depth)	JOB	<b>86015</b>
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CLIENT	DMR	LOGGED BY	MAJ
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA	CHECKED BY	GWB
		DRILLED DATE	26-Mar-08
CONTRACTOR	Terratest	ANGLE	Vertical
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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	Plasticity / Grain Size, Colour, Minor Components	COHESIVE				NON COHESIVE				SOIL ORIGIN, STRUCTURE, ETC.	
										VS	SL	ST	VST	H		VL	J		MD
		-6.72	20.00	SC	Clayey SAND (SC) very dense, medium grained, quartz.												NONCO		
		-6.92	20.20		Sandy MUDSTONE, low strength, dark grey (Properties of Sand CLAY (CI-CH) hard, sand fine grained).												MUD		
SPTLS	N=60* 20;30/150				.... 20.90m - 20.95m Interbedded with loose to medium dense, fine grained sand, 10mm thick .... 20.95m - 21.00m Hard Lense														
			21		.... 21.80 hard lense .... 22.00 SPT Bouncing .... 22.20m - 22.40m Hard Lense														
SPTLS	N=900** 15/5s				CLAY (CH) hard, dark grey with fine to medium grained sand.												COHES		
		-9.12	22.40	CH															
			23																
SPTLS	N=100** 30/90s				Silty SAND (SM) very dense, medium to coarse grained, light grey.												NONCO		
		-10.32	23.60	SM	.... 24.00 Sand and Gravel														
			24																
		-11.22	24.50		Sandy MUDSTONE, fine to medium grained, dark grey (Properties of a very stiff to hard, fine to medium grained sandy clay CH).												MUD		
SPTLS	N=225** 30/40s																		
		-11.72	25.00		Borehole completed at 25.45m depth														
			25																
			26																
			27																
			28																
			29																

NOTES	Hole Diameter 100mm to 25.45m depth. (150mm auger to 4m depth then 100mm washbore to full depth)	JOB	86015
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