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CLIENT DMR

PROJECT IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA

 LOGGED BY ACS
 CHECKED BY GWB
 DRILLED DATE 03-Oct-07 to 04-Oct-07

 CONTRACTOR Terratest
 DRILL MODEL Edson 3000
 DRILLER Brent Ormsby
 ANGLE BEARING -
 HOLE DIAMETER 100mm ()

 GROUND LEVEL RL 13.87m
 LOCATION 31134 E 149577 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	
<div>SPT at 1.8m N 3;8,11</div> <div>SPT at 3.3m N 7;14,16</div> <div>SPT at 4.79m N 28;58/270</div> <div>SPT at 6.3m N 13;20,22</div> <div>SPT at 7.8m N 8;9,9</div> <div>SPT at 9.3m N 5;7,13</div>	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
	1		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
	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
	10.67	3.20	CL		Sandy CLAY (CL) very stiff, mottled light brown red-brown, sand fine to medium grained.										COHES
	4			 4.00 sand content increasing										
	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
7															
6.15	7.72	CL			Silty CLAY (CL) stiff, grey mottled light brown, with nodules of sand fine grained.										COHES
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												JOB			
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.)												86015			



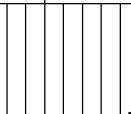


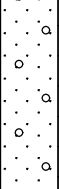

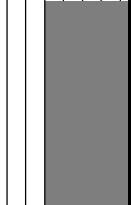



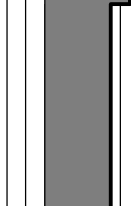



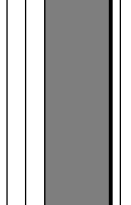



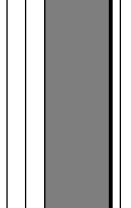



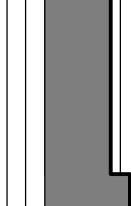



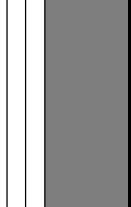













NOTES

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

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			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
<div>SPT at 10.76m N 5;48/225</div> <div>SPT at 12.09m N 5;43/280</div> <div>SPT at 13.71m N 13;30/110</div> <div>SPT at 17.35m N 30/90s</div>	3.37	10.50	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. <i>(continued)</i>				COHES		
	3.14	10.73	CL		Silty CLAY (CL) stiff, grey, with sand fine grained.				COHES		
	11	11	SP		Gravelly SAND (SP) very dense, medium to coarse grained, light grey-white, gravel fine to medium grained, sub-angular, with clay.				NONCO		
	1.77	12.10	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		
	13	13		 13.50 hole collapsed by 0.8m when trying to do SPT				NONCO		
	14	14							NONCO		
	15	15							NONCO		
	16	16							NONCO		
17	17		 17.30 with clay fines				NONCO			
18	18							NONCO			
19	19							NONCO			
-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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