ARUP

BOREHOLE RECORD

BH218
HOLE

SHEET 1
OF 2

CLIENT	DMR
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA
CONTRACTOR	Terratest
DRILL MODEL	Edson 3000
DRILLER	Brent Ormsby
ANGLE	Vertical
BEARING	-
HOLE DIAMETER	100mm ()
LOGGED BY	ACS
CHECKED BY	GWB
DRILLED DATE	05-Oct-07
GROUND LEVEL	RL 15.82m
LOCATION	32628 E 150934 N
ELEVATION DATUM	Australian Height Datum
COORDINATE SYSTEM	Local Grid

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION		OBSERVATION
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L. (m)	DEPTH (m)	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY: COHESIVE VS S F ST VST H; NON COHESIVE VL L MD D VD	SOIL ORIGIN, STRUCTURE, ETC.
		0.00	SM		Silty SAND (SM) fine grained, brown, with grass rootlets.			NONCO
	15.62	0.20	CL		Silty Sandy CLAY (CL) soft then firm, fine grained, brown mottled grey, with trace rootlets.			
SPT at 0.8m N 3;3,4		1			.... 0.85 grass rootlets			COHES
		2						
SPT at 2.48m N 7;13,21	13.29	2.53	CL		Sandy CLAY (CL) very stiff, grey, sand fine grained.			
		3			.... 3.00 becoming mottled grey, brown, red-brown/purple			COHES
	11.87	3.95	CL		Silty CLAY (CL) very stiff, grey mottled red-brown, with trace sand fine grained.			COHES
	11.84	3.98	CL					COHES
SPT at 4.25m N 3;7,16	11.52	4.30	CL		Sandy CLAY (CL) very stiff, brown mottled light brown, sand fine to coarse grained, with trace rootlets, wood pieces and silt.			
		5			CLAY (CL) very stiff then hard, grey mottled red-brown, with silt and trace ironstone sand, coarse grained sub-angular. .... 5.32 CI			COHES
SPT at 5.62m N 17;21,28		6						
	9.32	6.50	CL CI		CLAY (CL-CI) very stiff, grey-brown, with silt. .... 6.57 trace root fibres			
SPT at 6.8m N 6;10,16		7						
		8			.... 8.10 some light brown mottling .... 8.25 ironstone nodule, appears as ironstone gravels fine to medium grained sub-angular			COHES
SPT at 8.3m N 9;11,14		9						
SPT at 9.8m N 10;11,15					.... 9.60 CI			

NOTES Hole Diameter 100mm to 17.45m depth. (Solid Flight Augering to 3.5m. HW casing to 3.5m. Washboring with 100mm diameter tri-blade bit from 3.5m to 17m. No free groundwater observed during drilling.)

JOB 86015

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BOREHOLE RECORD

BH218
HOLE

SHEET 2
OF 2

CLIENT	DMR	LOGGED BY	ACS
PROJECT	IPSWICH MOTORWAY UPGRADE - WACOL TO DARRA	CHECKED BY	GWB
		DRILLED DATE	05-Oct-07
CONTRACTOR	Terratest	ANGLE	Vertical
DRILL MODEL	Edson 3000	BEARING	-
DRILLER	Brent Ormsby	HOLE DIAMETER	100mm ()
		GROUND LEVEL	RL 15.82m
		LOCATION	32628 E 150934 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: COHESIVE (VS, S, F, ST, VST, H) / NON COHESIVE (VL, L, MD, D, VD)	SOIL ORIGIN, STRUCTURE, ETC.
	m	m						
			CL CI		.... 9.91 ironstone nodule, breaks down to a gravel medium to coarse grained angular CLAY (CL-CI) very stiff, grey-brown, with silt. *(continued)*			
		11			.... 11.00 CI			
SPT at 11.3m N 5;9,13								
		12						COHES
					.... 12.60 ironstone lens, 30 Deg, PL, S, <3mm .... 12.67 ironstone lens, 30 Deg, PL, S, <3mm .... 12.72 ironstone nodule .... 12.79 ironstone nodule			
SPT at 12.8m N 8;11,14		13						
		14						
SPT at 14.3m N 15;13,16	1.46	14.36	CH		CLAY (CH) very stiff then hard, grey-black, with silt.			
		15			.... 15.50 hard			
SPT at 15.8m N 12;17,27					.... 15.75 siltstone nodule, high strength fragments, light grey			COHES
		16						
		17						
SPT at 17.3m N 13;19,27	-1.63	17.45			*Borehole completed at 17.45m depth*			
		18						
		19						

NOTES Hole Diameter 100mm to 17.45m depth. (Solid Flight Augering to 3.5m. HW casing to 3.5m. Washboring with 100mm diameter tri-blade bit from 3.5m to 17m. No free groundwater observed during drilling.)

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