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BOREHOLE ENGINEERING LOG

BOREHOLE NO.

RTBH26

SHEET 1 OF 5

Project: Gold Co						Gold Coast Rapid Transit Gold Coast Highway, Ch: 31316.4									Date Commenced:24/3/10Date Completed:25/3/10Recorded By:NGLog Checked By:LMCK			
	Drill Model/Mounting: Drillpower Hydra Borehole Diameter: 75 mm				rillpower Hydrapower Scout 5 mm				Hole Angle: Bearing:					3.33 m AHD* E 86105.82 N		58950.52 GCCC Grid*		
	В		nole l	nform	nation					F	ield Materi	ial Desc	riptio	n				
1	2	3		4	5	6	7	8		9		1(12 04		13	
DI METHOD	O SUPPORT	WATER	RL(m) AHD*	DEPTH(m)	FIELD TEST	SAMPLE	GRAPHIC LOG	USC SYMBOL		< MATERIAL FIELD D		MOISTURE				0	URE AND ADDITIONAL BSERVATIONS	
WB		103/20	- - - - - - - - - - - - - - - - - - -	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SPT 1,1,0 N=1 SPT 3,4,6 N=10 SPT 1,1,1 N=2	SPT SPT		SP	SAND: medium	n grained, pale bro grey, trace shell fra	wn. gments					FILL	SEDIMENTS	

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BOREHOLE ENGINEERING LOG

BOREHOLE NO.

RTBH26

Pro Bo		: le L	ARS ®		Gold (Gold (Coas Coas	st Ra	pid	nsport and M Transit ay, Ch: 31316	Da	SHEET 2 OF Date Commenced: 24/3/10 Date Completed: 25/3/10 Recorded By: NG						
Dri	l Mo	del/	mber /Mou)iame	nting:	Drillpo	2161016A Drillpower Hydrapower Scout Hole Angle: 90° Surface RL: 75 mm Bearing: Co-ords:									g Check 3.33 m A	HD*	2MU 950.52 GCCC Grid
	21100.8100	545.	10000000000	1.2.1.2000	nation						ield Mater		na neteri		: 00100.	02 N 30	950.52 GCCC Grid
1	2	3		4	5	6	7	8		9	leiu mater		10	11	12		13
METHOD	SUPPORT	WATER	RL(m) AHD*	DEPTH(m)	FIELD TEST	SAMPLE	GRAPHIC LOG	USC SYMBOL		K MATERIAL FIELD [MOISTURE VS FB o		HAND PENETROMETER ((kPa)	STRUCT C	URE AND ADDITIONAL BSERVATIONS
		¥ 0 3/20	7 		SPT 1,3,3 N=6 SPT 1,1,0 N=1	SPT		SP	11.0 m: coa shell fragment	n grained, pale bro rse sand, trace gra s. e shell fragments.			W			SPT: 1 b	ow for 500 mm.
האבחטוב רטט פטאו			- 13 -	- 16.0016 	SPT 9,22,30 /140mm	SPT		SP	medium graine	K (Cemented Sanced, dark brown y dark brown coffee ndant shell fragme	e rock.	0				ESTUAR	INE SEDIMENTS
			- 	17 - - 18 - - - 19.0019	SPT 6,12,16 N=28	SPT		0.5	18 m: brown	n to dark brown coff		2					
			- -16 - -	-	Thich			SP		n grained, pale bro		hoffe			standard		BEDIMENTS

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BOREHOLE ENGINEERING LOG

BOREHOLE NO.

RTBH26

Prc Boi Prc	oject	le L Nu	ocation: mber:	Department of Transport and Main Roads Gold Coast Rapid Transit Gold Coast Highway, Ch: 31316.4 2161016A Drillpower Hydrapower Scout Hole Angle: 90° Surface RL:									Da Re Lo	ate Com ate Com ecorded og Check	: 24/3/10 25/3/10 NG LMIL	
Drill Model/Mounting: Borehole Diameter:				Drillp 75 mr		r Hyd	Irap	ower Scout	Hole Angle: 90° Bearing:		Surface RL: Co-ords:			8.33 m A		8950.52 GCCC Grid
	18286728	5.55502 F	nole Infor	anses i kentik					ield Mater	200200-011-000	S-48-590 40		- 00100.		5550.52 GOOD GIR	
1	2	-	4	5	6	7	8		9	iciu mater		0	11	12		13
МЕТНО В	SUPPORT	WATER	RL(m) AHD*	FIELD TEST	SAMPLE	. GRAPHIC LOG			< MATERIAL FIELD D n grained, pale bro					D ETROM	STRUC	TURE AND ADDITIONAL DBSERVATIONS
			- -17 - -18 - -18 - - - - - - - - - - - - - -	- SPT - SPT 			СН		vn silty sand, fine to						ESTUAR	RINE DEPOSITS

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BOREHOLE ENGINEERING LOG

BOREHOLE NO.

RTBH26

SHEET 4 OF 5

Boi Pro	oject reho oject	le L Nu	ocation: mber:	Department of Transport and Main Roads Gold Coast Rapid Transit Gold Coast Highway, Ch: 31316.4 2161016A Drillpower Hydrapower Scout Hole Angle: 90° Surface RL:								Da Re Lo	te Con te Con cordec g Chec .33 m	24/3/10 25/3/10 NG LMCL		
			Mounting Mounting	75 m		r Hya	rap		Bearing:	90°		ord				950.52 GCCC Grid
	-		hole Info							ield Materi	ial De		iption			
1	2	3	4	5	6	7	8		9			10	11 RELATIVE	12 12		13
METHOD	SUPPORT	WATER	RL(m) AHD*	PLELD TEST	SAMPLE	GRAPHIC LOG	USC SYMBOL		IATERIAL FIELD D			MOIS			STRUCTI	JRE AND ADDITIONAL BSERVATIONS
	3		- 27 - 27 - 31 - 28 - 32 - 32 - 32 - 33 - 34 - 34 - 34 - 34 - 34 - 34 - 34				СН	CLAY: high plast	IE: dark grey, ex nely low strengt	tremely n.		MC~PL				RED ROCK Resistance to wash T not taken.
			- 37 - 37 37 - 38 - 38 - 38 - 38 - 38 - 38 - 38 - 38					REFER TO COR								



CORED BOREHOLE ENGINEERING LOG

BOREHOLE NO.

F										RTBH26				
	100 YEARS	3								SHEET 5 OF 8				
	Project: Gold C				Coast	t of Transport and Main Roads Rapid Transit Highway, Ch: 31316.4	Date Commenced:24/3/10Date Completed:25/3/10Recorded By:NGLog Checked By: \mathcal{MCL}							
Drill Moo Borehole				Drillpo 75 mm		Hydrapower Scout Hole Angle:	90		face RL:	3.33 m AHD* E 86105.82 N 58950.52 GCCC Grid				
Contract of the second second	e Diai		14. F.	AL SUMEROMS			Bearing: Co-ords: Field Material Description							
1 2	3 4			6	7	8	9	10 INFERRED STRENGTH	11 AVERAGE DEFECT	12				
METHOD SUPPORT	WATER CORE	RQD	RL(m) AHD*	DEPTH(m)	GRAPHIC LOG	SOIL/ROCK MATERIAL FIELD DESCRIPTION	WEATHERING	МЕ 4114 MPa MPa MPa MPa MPa MPa MPa MPa		STRUCTURE AND ADDITIONAL OBSERVATIONS				
Parsons Brinckerhoff Australia Py Ltd. Version 5.1 ENGINEERING CORED BOREHOLE LOG GCRT_BOREHOLES.GPJ GEOTECH_24-2-2006.GDT 25/5/10 M SI						COMMENCE CORING AT 36.5 m META-SILTSTONE: dark grey, quartz veining and chlorite alteration.	FR			 36.5 m - 38.0 m: Numerous drill breaks and fracturing of core 36.8 m - 36.9 m: Non intact core 36.95 m - 37.0 m: Numerous quartz veinlets. 37.1 m: J, 50°, P, S, clean 37.4 s m - 37.7 m: Non intact core 37.4 s m - 37.7 m: Non intact core 37.4 s m - 37.7 m: Silicification? 37.8 m: Igneous material Limit of Investigation * Horizontal and vertical data determined by Ground Survey 				
D Darsons			-	This bo	orehol	e log should be read in conjunction with Pars	ons B	rinckerhoff's a	accompany	/ ving standard notes.				

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REPORT OF PHOTOGRAPHS



Borehole number:

RTBH26

				Sheet	t 1 of 1	
Client:	Department of Transport and Main Roads	Coordinates:	E 86105.82 N 58950.52	Depth range:	36.5 m – 38.0 m	
Project:	Gold Coast Rapid Transit	Surface RL:	3.33 m AHD	Inclined length:	-	
Borehole location:	Ch: 31316.7	Hole angle:	90 °	Drill model/mounting:	Hydrapower Scout	
Project number:	2161016A	Bearing:	-	Borehole diameter:	75 mm	

