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REPORT OF BOREHOLE: BH228

SHEET: 1 OF 3

DRILL RIG: Hydrapower Scout

CONTRACTOR: GeoDrill Pty Ltd

LOGGED: WJH DATE: 24/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82235.8 m E 61299.8 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 17.29 m DATUM: AHD

LOCATION: Zone 2 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 20.60 m

Drilling				Sampling		Field Material Description							
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION		MOISTURE CONDITION	CONSISTENCY	STRUCTURE AND ADDITIONAL OBSERVATIONS
ADV	L-M		0	17.29					FILL: Sandy CLAY high plasticity, brown, with some fine to medium sub-angular gravel	D	F - St		
					SPT 0.50-0.95 m 11, 10, 9 N=19								
			1		SPT 1.00-1.45 m 8, 5, 4 N=9			D - M					
				1.50									
				15.79				FILL: Sandy CLAY fine, dark grey, trace pieces of wood and rubbish					
			2										
					SPT 2.50-2.95 m 4, 3, 12 N=15								
				2.95									
			3	14.34			cuttings consist of wood						
RT	M	Groundwater not observed	4		SPT 4.00-4.45 m 3, 2, 3 N=5								
			5						S - F				
					SPT 5.50-5.95 m 6, 9, 3 N=12			M - W					
			6	5.95			cuttings consist of wood						
				11.34									
			7		SPT 7.00-7.45 m 8, 6, 9 N=15					5.0-8.0 m possibly large pieces of wood in the fill			
				7.50			cuttings consist of wood						
				9.79									
			8										
		SPT 8.50-8.95 m 6, 7, 12 N=19											
								St					

This report of borehole must be read in conjunction with accompanying notes and abbreviations. It has been prepared for geotechnical purposes only, without attempt to assess possible contamination. Any references to potential contamination are for information only and do not necessarily indicate the presence or absence of soil or groundwater contamination.

GAP gINT FN. F01a
RL3



REPORT OF BOREHOLE: BH228

SHEET: 2 OF 3

DRILL RIG: Hydrapower Scout

CONTRACTOR: GeoDrill Pty Ltd

LOGGED: WJH DATE: 24/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82235.8 m E 61299.8 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 17.29 m DATUM: AHD

LOCATION: Zone 2 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 20.60 m

Drilling				Sampling		Field Material Description							
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS	
M	Groundwater not observed		10		SPT 10.00-10.45 m 4, 5, 6 N=11				FILL: Sandy CLAY fine, dark grey, trace pieces of wood and rubbish	M - W	St		
			10.90	6.39									
			11		SPT 11.50-11.95 m 5, 6, 10 N=16		CH	CLAY high plasticity, grey and red					
			12										
			13		SPT 13.00-13.45 m 5, 9, 15 N=24		CL	Silty CLAY low plasticity, pale grey					
			13.20	4.09									
			14		SPT 14.50-14.95 m 7, 10, 12 N=22			trace fine sub-angular gravel					
			14.70	2.59									
			15		SPT 16.00-16.45 m 8, 12, 11 N=23								
			16										
17		SPT 17.50-17.95 m 8, 11, 20 N=31		ML	Clayey SILT low plasticity, pale grey and brown		Inferred EW siltstone						
17.20	0.09												
18													
19		SPT 19.00-19.24 m 22, 30/90 N>30			becoming grey								
19.15	-1.86												

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GAP gINT FN. F01a
RL3



REPORT OF BOREHOLE: BH228

SHEET: 3 OF 3

DRILL RIG: Hydrapower Scout

CONTRACTOR: GeoDrill Pty Ltd

LOGGED: WJH DATE: 24/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82235.8 m E 61299.8 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 17.29 m DATUM: AHD

LOCATION: Zone 2 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 20.60 m

Drilling				Sampling		Field Material Description							
METHOD	PENETRATION RESISTANCE	WATER	DEPTH (metres)	DEPTH RL	SAMPLE OR FIELD TEST	RECOVERED	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL DESCRIPTION	MOISTURE CONDITION	CONSISTENCY	DENSITY	STRUCTURE AND ADDITIONAL OBSERVATIONS
WB	M		20					ML	Clayey SILT low plasticity, pale grey and brown	M (>PL)	VSt - H		
			-3.31		SPT 20.50-20.56 m 30/60 mm				END OF BOREHOLE @ 20.60 m TARGET DEPTH GROUNDWATER NOT OBSERVED				
			21										
			22										
			23										
			24										
			25										
			26										
			27										
			28										
			29										
			30										

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