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REPORT OF BOREHOLE: BH427

SHEET: 1 OF 2

DRILL RIG: Hydrapower Scout

CONTRACTOR: GeoDrill Pty Ltd

LOGGED: BT DATE: 5/9/11

CHECKED: NK DATE: 27/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 85492.5 m E 60011.1 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 2.37 m DATUM: AHD

LOCATION: Zone 4 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 16.14 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		
ADT	L	Partial loss from 2.5m to base of hole	0	2.37					FILL: Clayey SAND coarse to coarse grained, sub-rounded to sub-angular, brown, low plasticity clay Silty SAND fine to coarse grained, sub-rounded to sub-angular, pale brown	M	L	Grass at surface. Roots		
				0.20										
				2.17	SPT 0.50-0.95 m 2, 3, 4 N=7		SW							
			1		SPT 1.00-1.45 m 4, 5, 8 N=13									
			2											
				2.65	SPT 2.50-2.95 m 6, 7, 5 N=12									
				-0.28										
			3											
			4		SPT 4.00-4.45 m 5, 8, 10 N=18									
			5											
RT	M				SPT 5.50-5.95 m 5, 7, 7 N=14				MD	W	High plasticity clay present			
			6											
			7		SPT 7.00-7.45 m 8, 10, 12 N=22									
				7.50										
				-5.13										
			8		SPT 8.50-8.95 m 10, 18, 24 N=42									
			9											
RD	L							with some shell fragments up to 5 mm in diameter	D					

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: BH427

SHEET: 2 OF 2

DRILL RIG: Hydrapower Scout

CONTRACTOR: GeoDrill Pty Ltd

LOGGED: BT DATE: 5/9/11

CHECKED: NK DATE: 27/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 85492.5 m E 60011.1 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 2.37 m DATUM: AHD

LOCATION: Zone 4 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 16.14 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	STRUCTURE AND ADDITIONAL OBSERVATIONS
RD	L		10		SPT 10.00-10.45 m 11, 19, 25 N=44		SW	Silty SAND fine to coarse grained, sub-rounded to sub-angular, pale brown			H ₂ S odour noted
			11							D	
			12		SPT 11.50-11.95 m 21, 25, 24 N=49					VD	
			13	12.80 -10.43	SPT 13.00-13.45 m 4, 7, 8 N=15		SC	Clayey SAND fine to coarse grained, sub-rounded to sub-angular, brown, high plasticity clay, inferred coffee rock		W	
			14							MD	
			15	15.20 -12.83	SPT 14.50-14.95 m 6, 8, 12 N=20						
			16		SPT 16.00-16.14 m 30/140 mm		CL-CI	Silty CLAY low to medium plasticity, pale grey with pale green staining, inferred EW argillite		VD	
			17	-13.77				END OF BOREHOLE @ 16.14 m TARGET DEPTH GROUNDWATER ENCOUNTERED @ 2.50 m DEPTH			
			18								
			19								
			20								

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