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REPORT OF BOREHOLE: BH433

SHEET: 1 OF 2

DRILL RIG: Hydrapower Scout

CONTRACTOR: GeoDrill Pty Ltd

LOGGED: BT DATE: 31/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 86061.5 m E 59110.2 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 3.75 m DATUM: AHD

LOCATION: Zone 4 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 19.45 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			0	3.75					FILL: Clayey SAND fine to coarse grained, sub-rounded to sub-angular, dark brown, with some fine to coarse gravel			Grass roots, inferred topsoil
			0.80		SPT 0.50-0.95 m 10, 9, 12 N=21							
			1	2.95	SPT 1.00-1.45 m 4, 9, 9 N=18		SM	Silty SAND fine to coarse grained, sub-rounded to sub-angular, pale grey brown, with some clay lenses, trace shell fragments up to 10 mm in diameter	M			
			2						MD			
			3		SPT 2.50-2.95 m 4, 5, 6 N=11							
			4		SPT 4.00-4.45 m 3, 4, 5 N=9							
			5						L			
			6		SPT 5.50-5.95 m 3, 4, 2 N=6				W			
			7		SPT 7.00-7.45 m 5, 6, 8 N=14				MD			
			8	8.00				less clay with depth				
RD			9	-4.25	SPT 8.50-8.92 m 19, 30, 30/120 mm N>60				VD			
			10									

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: BH433

SHEET: 2 OF 2

DRILL RIG: Hydrapower Scout

CONTRACTOR: GeoDrill Pty Ltd

LOGGED: BT DATE: 31/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 86061.5 m E 59110.2 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 3.75 m DATUM: AHD

LOCATION: Zone 4 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 19.45 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
RD	L		10		SPT 10.00-10.29 m 22, 30/140 mm N>30			SM	Silty SAND fine to coarse grained, sub-rounded to sub-angular, pale grey brown, with some clay lenses, trace shell fragments up to 10 mm in diameter	W	VD	
			11	11.00 -7.25			SM	Silty SAND fine to coarse grained, sub-rounded to sub-angular, grey, with some shell fragments up to 10 mm in diameter				
			12		SPT 11.50-11.73 m 27, 30/80 mm N>30							
			13		SPT 13.00-13.24 m 27, 30/90 mm N>30							
			14									
			15		SPT 14.50-14.77 m 26, 30/120 mm N>30							
			16	15.40 -11.65			SM	Silty SAND fine to coarse grained, brown, inferred coffee rock				
			17		SPT 16.00-16.13 m 30/130 mm							
			18		SPT 17.50-17.64 m 30/140 mm							
			19		SPT 19.00-19.45 m 14, 23, 29 N=52							
			20	-15.70				END OF BOREHOLE @ 19.45 m TARGET DEPTH				

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RL3