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REPORT OF BOREHOLE: BH2D04

SHEET: 1 OF 3

DRILL RIG: FD500

CONTRACTOR: Foundril Pty Ltd

LOGGED: FHH DATE: 11/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82409.00 m E 61357.80 m N GCCC
PROJECT: Gold Coast Rapid Transit SURFACE RL: 16.60 m DATUM: AHD
LOCATION: Zone 2 INCLINATION: -90°
JOB NO: 117632047 HOLE DEPTH: 23.00 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		0	16.60	SPT 1.00-1.45 m 4, 5, 3 N=8				FILL: Silty CLAY high plasticity, dark brown, with some fine to medium pale orange brown angular to sub-angular gravel, occasional cobbles, grading to gravelly clay in places, some bricks, moist, firm to stiff	M	F - St	Drilling platform created for drilling, 1.3 m high, gravelly clay, coarse gravel, some plastic, cable and steel		
			2	2.00 14.60					2.40 14.20				FILL: Silty CLAY high plasticity, dark grey, moist to wet, soft to firm	M - W
RD	H	3		SPT 2.50-2.95 m 2, 2, 4 N=6 PP >600 kPa				FILL dark grey, timber, glass, plastic, concrete and coarse sand and fine to medium gravels in soft to firm dark grey clayey matrix						
		4		SPT 4.00-4.45 m 3, 8, 11 N=19										
RT	L		5		SPT 5.50-5.95 m 5, 5, 4 N=9				clayey matrix becoming pale yellow brown below approximately 7.0 m depth					
			6											
			7	7.00 9.60	SPT 7.00-7.45 m 1, 4, 3 N=7 PP =100 kPa									
			8		SPT 8.50-8.95 m 11, 11, 5 N=16									
			9											
10	9.60 7.00		CI	Sandy CLAY medium plasticity, pale yellow brown, medium sand, with some silt, grading to silty clay in places, moist, stiff	M				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: BH2D04

SHEET: 2 OF 3

DRILL RIG: FD500

CONTRACTOR: Foundril Pty Ltd

LOGGED: FHH DATE: 11/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82409.00 m E 61357.80 m N GCCC
PROJECT: Gold Coast Rapid Transit SURFACE RL: 16.60 m DATUM: AHD
LOCATION: Zone 2 INCLINATION: -90°
JOB NO: 117632047 HOLE DEPTH: 23.00 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
Groundwater not encountered			10		PP >600 kPa SPT 10.00-10.45 m 3, 5, 6 N=11			CI	Sandy CLAY medium plasticity, pale yellow brown, medium sand, with some silt, grading to silty clay in places, moist, stiff		St	Contamination odour of the clayey sand layer
			11	11.20 5.40				CH	Silty CLAY high plasticity, pale grey and red brown, with some medium to coarse grained sand, moist, very stiff		VSt	
			12		SPT 11.50-11.95 m 7, 12, 14 N=26 PP =350 kPa							
			13	12.80 3.80				SC	Clayey SAND medium to coarse grained, pale grey, low to medium plasticity clay, moist, medium dense		MD	
			14	13.80 2.80				GP	Sandy GRAVEL fine grained, sub-angular to angular, pale grey, coarse grained sand, quartz gravels, moist, medium dense to dense		MD - D	
			15	14.20 2.40				CH	Silty CLAY high plasticity, pale grey, interbedded with orange brown sandy clay showing relic of rock structure in places, moist, very stiff to hard	M	VSt - H	
			16		SPT 16.00-16.45 m 7, 14, 16 N=30 PP =500 kPa							
			17	17.30 -0.70								
			18		SPT 17.50-17.95 m 7, 14, 12 N=26 PP =300 kPa			CH	Silty CLAY (EW Greywacke) high plasticity, pale grey and orange brown, trace medium sand in places, relic of rock structure, relic iron stained joints, moist, very stiff		VSt	
			19	19.10 -2.50		SPT 19.00-19.44 m 21, 29, 30/140 mm PP =500 kPa			GREYWACKE fine, pale grey and orange brown, extremely weathered, extremely low strength			

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RL3



REPORT OF BOREHOLE: BH2D04

SHEET: 3 OF 3

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82409.00 m E 61357.80 m N GCCC
PROJECT: Gold Coast Rapid Transit SURFACE RL: 16.60 m DATUM: AHD
LOCATION: Zone 2 INCLINATION: -90°
JOB NO: 117632047 HOLE DEPTH: 23.00 m

DRILL RIG: FD500
CONTRACTOR: Foundril Pty Ltd
LOGGED: FHH DATE: 11/8/11
CHECKED: NK DATE: 26/9/11

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	Groundwater not encountered	20		PP >600 kPa				GREYWACKE fine, pale grey and orange brown, extremely weathered, extremely low strength			
			21		SPT 20.50-20.76 m 18, 30/110 mm							
			22		SPT 22.00-22.27 m 25, 30/120 mm							
			22.50	-5.90					becoming grey and orange brown below approximately 22.5 m depth			
			23	-6.40					END OF BOREHOLE @ 23.00 m TARGET DEPTH GROUNDWATER NOT ENCOUNTERED Grouted to the bottom of the fill			
			24									
			25									
			26									
			27									
			28									
			29									

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