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REPORT OF BOREHOLE: BH2D03

SHEET: 1 OF 3

DRILL RIG: FD500

CONTRACTOR: Foundril Pty Ltd

LOGGED: FHH DATE: 9/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82388.4 m E 61357.9 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 20.90 m DATUM: AHD

LOCATION: Zone 2 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 25.27 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
ADT	L		0	20.90				FILL: Silty CLAY medium plasticity, dark brown, moist, firm to stiff		
			1	19.90	SPT 1.00-1.45 m 2, 6, 5 N=11			FILL low to medium plasticity, dark grey, low plasticity silty clay matrix with numerous wood pieces, copper cables, aluminium pieces, glass, tiles, some paint and solvent and rock fragment possibly concrete		Uncontrolled fill
			2							
			3		SPT 2.50-2.95 m 7, 5, 8 N=13					
			4		SPT 4.00-4.45 m 3, 2, 3 N=5					
			5							
			6		SPT 5.50-5.95 m 8, 11, 12 N=23					
			7	14.40	SPT 7.00-7.45 m 4, 6, 7 N=13			with sand and gravels below approximately 6.5 m depth		
			8							
			9		SPT 8.50-8.95 m 10, 5, 5 N=10					
RT	L		10	11.00						
			10	11.00						
H	L		10	11.00						
			10	11.00						

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GAP gINT FN. F01a
RL3



REPORT OF BOREHOLE: BH2D03

SHEET: 2 OF 3

DRILL RIG: FD500

CONTRACTOR: Foundril Pty Ltd

LOGGED: FHH DATE: 9/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82388.4 m E 61357.9 m N GCCC
PROJECT: Gold Coast Rapid Transit SURFACE RL: 20.90 m DATUM: AHD
LOCATION: Zone 2 INCLINATION: -90°
JOB NO: 117632047 HOLE DEPTH: 25.27 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	
RT	L	M-H	Groundwater not observed	10	SPT 10.00-10.45 m 3, 8, 6 N=14 PP =100 kPa			CH	Silty CLAY high plasticity, grey and yellow red, occasional medium sub-angular gravel, moist stiff		St	Possible bottom cap of fill	
				10.60				GP			Sandy GRAVEL fine grained, sub-angular to angular, pale grey and pale yellow brown, medium to coarse grained sand, with some medium plasticity clay, moist, medium dense		MD
				10.30				CL-CH					F
				11.30	SPT 11.50-11.95 m 4, 8, 6 N=14			CL-CH	Sandy CLAY medium to high plasticity, yellow brown, fine grained sand, trace angular pale grey gravel, moist, firm				
				11.65				CL-CH					Silty CLAY medium to high plasticity, pale brown and red brown, some roots and plastic (could have travelled with root), moist, firm to stiff
				9.25				CL					
				11.90									
				9.00									
				12	SPT 13.00-13.45 m 3, 7, 7 N=14 PP =100 kPa								F - St
				13									
				14									
				14.30	SPT 14.50-14.95 m 3, 5, 10 N=15 PP =150 kPa			CH	high plasticity, grey, with some fine to medium grained sand, moist, stiff to very stiff			St - VSt	
				6.60									
				15	SPT 16.00-16.45 m 5, 9, 14 N=23 PP =280 kPa							VSt	
				15.50									
				5.40	SPT 17.50-17.95 m 7, 17, 16 N=33							VSt - H	
				16									
				17									
				17.30	SPT 19.00-19.45 m 5, 10, 12 N=22			CH	Silty CLAY high plasticity, dark grey and orange brown, relic of rock structure and relic of iron stained joints, moist, very stiff			VSt	
				3.60									
				18									
				18.10									
				2.80									
				19									
				20.00									

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RL3



REPORT OF BOREHOLE: BH2D03

SHEET: 3 OF 3

DRILL RIG: FD500

CONTRACTOR: Foundril Pty Ltd

LOGGED: FHH DATE: 9/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82388.4 m E 61357.9 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 20.90 m DATUM: AHD

LOCATION: Zone 2 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 25.27 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		
RT		Groundwater not observed	20	0.90	SPT 20.50-20.95 m 6, 11, 18 N=29			CH	Silty CLAY high plasticity, dark grey and orange brown, relic of rock structure and relic of iron stained joints, moist, very stiff		VSt			
			21											
			21.50	-0.60									becoming hard below approximately 21.5 m depth	
			22	SPT 22.00-22.45 m 10, 18, 24 N=42										M
			23											H
			23.50	-2.60	SPT 23.50-23.94 m 14, 23, 30/140 mm N>53				MUDSTONE (?) fine grained, grey and orange brown, extremely weathered, extremely low strength					
			24											
			25		SPT 25.00-25.27 m 17, 30/120 mm N>30									
				-4.37					END OF BOREHOLE @ 25.27 m GROUNDWATER NOT OBSERVED					
			26											
			27											
			28											
			29											

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