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REPORT OF BOREHOLE: BH440

SHEET: 1 OF 3

DRILL RIG: Fox B40

CONTRACTOR: Schneider Drilling Pty Ltd

LOGGED: BC DATE: 6/9/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 86092.5 m E 58966.4 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: -1.40 m DATUM: AHD

LOCATION: Zone 4 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 25.50 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-H			0	-1.40				FILL: BOULDERS grey, bed protection boulders, no recovery, from channel edges boulders angular 200 mm to 600 mm			
			1								
			2								
			3								
			3.30	-4.70	SPT 3.35-3.80 m 5, 4, 3 N=7		SM	SAND fine to coarse grained, sub-rounded to angular, pale brown, recovered with trace fine gravel sized shell fragments		L - MD	
RT			4								
			5		SPT 4.90-5.20 m 24, 30/149 mm N>30				W		
			6								
			7		SPT 6.40-6.66 m 22, 30/110 mm N>30					D - VD	
			8		SPT 7.90-8.05 m 30/149 mm HB						
			9								
			9.40	-10.80	SPT 9.40-9.64 m 25, 30/90 mm N>30		SM	SAND fine to medium grained, angular, dark brown			
			10								

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GAP gINT FN. F01a
RL3



REPORT OF BOREHOLE: BH440

SHEET: 2 OF 3

DRILL RIG: Fox B40

CONTRACTOR: Schneider Drilling Pty Ltd

LOGGED: BC DATE: 6/9/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 86092.5 m E 58966.4 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: -1.40 m DATUM: AHD

LOCATION: Zone 4 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 25.50 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
RT			10				SM	SAND fine to medium grained, angular, dark brown		
			11		SPT 10.90-11.05 m 30/149 mm HB					
			12							
			13		SPT 12.40-12.85 m 11, 18, 26 N=44					
			14		SPT 13.55-13.99 m 20, 20, 30/140 mm N>50					
			15	15.00 -16.40	SPT 15.15-15.59 m 7, 11, 30/140 mm HB N>41			becoming brown fine to medium grained	W	D - VD
			16							
			17		SPT 16.65-16.92 m 15, 30/120 mm HB N>30					
			18	17.50 -18.90	SPT 18.00-18.41 m 8, 24, 30/110 mm N>54		SM	SAND fine to medium grained, angular, pale brown, trace fine to coarse angular gravel recovered from 17.5 to approximately 18.0 m		
			19							
			20		SPT 19.50-19.80 m 14, 30/149 mm N>30					

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REPORT OF BOREHOLE: BH440

SHEET: 3 OF 3

DRILL RIG: Fox B40

CONTRACTOR: Schneider Drilling Pty Ltd

LOGGED: BC DATE: 6/9/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 86092.5 m E 58966.4 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: -1.40 m DATUM: AHD

LOCATION: Zone 4 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 25.50 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			20					SM			W	D - VD	
			20.40	-21.80				CL	Sandy Silty CLAY low plasticity, grey, clay in places, reducing sand content with depth				
			21		SPT 20.50-20.95 m 5, 3, 5 N=8 PP =100 kPa					M - W	F		
			22	22.00 -23.40	SPT 22.00-22.45 m 1, 16, 29 N=45			SM	SAND fine to medium grained, angular, grey	W	D - VD		
			23	23.00 -24.40				CH	CLAY high plasticity, grey, with trace shell fragments and rare partings/dustings of brown fine sand				
			24		U50 23.50-24.00 m					M	F - St		
			25		SPT 25.00-25.45 m 1, 2, 6 N=8 PP =280 kPa								
			26	-26.90					END OF BOREHOLE @ 25.50 m DRILLED OVER WATER				
			27										
			28										
		29											
		30											

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