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REPORT OF BOREHOLE: BH402

SHEET: 1 OF 3

CLIENT: McConnell Dowell Constructors (Aust) P/L
PROJECT: Gold Coast Rapid Transit
LOCATION: Zone 4
JOB NO: 117632047

COORDS: 85381.5 m E 60442.0 m N GCCC
SURFACE RL: 1.55 m DATUM: AHD
INCLINATION: -90°
HOLE DEPTH: 11.07 m

DRILL RIG: FD500
CONTRACTOR: Foundril Pty Ltd
LOGGED: WJH DATE: 8/9/11
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
ASV	L-M	Groundwater not observed	0	1.55					FILL: Clayey SAND fine grained, sub-rounded, pale brown			
				0.70								
ADV	M-H		1	0.85	SPT 1.00-1.45 m 6, 5, 2 N=7				FILL: Clayey GRAVEL fine to medium grained, sub-angular, brown	M	L	
				2.00								
RT	L-M		2	-0.45	SPT 2.50-2.95 m 2, 5, 6 N=11			SP	SAND fine grained, sub-rounded, dark grey	W	L - MD	
			3									
			4		SPT 4.00-4.36 m 1, 6, 14/60 mm HB N>20							
									For Continuation Refer to Sheet 2			
			5									
			6									
			7									
			8									
			9									
			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

GAP 8_03 LIB.GLB Log GAP NON-CORED FULL PAGE 117632047BH.GPJ <<DrawingFile>> 27/10/2011 15:33 8.2.800

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REPORT OF BOREHOLE: BH402

SHEET: 2 OF 3

CLIENT: McConnell Dowell Constructors (Aust) P/L
PROJECT: Gold Coast Rapid Transit
LOCATION: Zone 4
JOB NO: 117632047

COORDS: 85381.5 m E 60442.0 m N GCCC
SURFACE RL: 1.55 m DATUM: AHD
INCLINATION: -90°
HOLE DEPTH: 11.07 m

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

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD (SCR)	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH $Is_{(50)}$ MPa (EL 0.03, VL 0.1, L 0.3, M 1, H 3, VH 10, EH)	DEFECT DESCRIPTION & Additional Observations	AVERAGE DEFECT SPACING (mm) (10, 30, 100, 300, 1000, 3000)
				0							
				1							
				2							
				3							
				4	4.40		Continuation of Sheet 1				
NMLC	Groundwater not observed	100	72 (100)	5	-2.85		GREYWACKE fine grained, grey, with quartz veins up to 10-15 mm thick present. Veins oriented at 10-30° and sub-vertically	MW		4.48 m: J, 45°, Un, Ro, Cn-Sn 4.58-4.60 m: CZ 4.71 m: J, 45°, Un, Ro, Cn 4.80 m: J, 15°, Pl, Ro, Sn 4.88 m: J, 60°, Pl, Ro, Cn-Sn	
								SW		5.22-5.55 m: J, 10°, Pl, Ro, sp = 165 mm	
		100	100 (100)	6						6.21 m: J, 50°, Pl, Ro, Cn 6.41 m: J, 5°, Pl, Ro, Cn 6.52 m: J, 10°, Pl, Ro, Cn 6.67 m: J, 15°, Un, Ro, Cn	
		100	83 (100)	7						7.32 m: J, 45°, Un, Ro, Cn 7.74 m: J, Pl, Ro, Cn	
		100	100 (100)	8				SW - FR		8.14 m: J, 35°, Pl, Ro, Cn 8.40 m: HB 8.66 m: DB 8.77 m: DB	
		100	90 (100)	9						8.96 m: HB 9.08 m: J, 10°, Pl, Ro, Cn 9.38 m: DB 9.53 m: DB 9.64 m: J, 45°, Pl, Ro, Cn 9.81 m: J, 40°, Pl, Ro, Cn	
				10	10.00						

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GAP gINT FN. F02a RL3

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REPORT OF BOREHOLE: BH402

SHEET: 3 OF 3

CLIENT: McConnell Dowell Constructors (Aust) P/L
COORDS: 85381.5 m E 60442.0 m N GCCC
DRILL RIG: FD500

PROJECT: Gold Coast Rapid Transit
SURFACE RL: 1.55 m DATUM: AHD
CONTRACTOR: Foundril Pty Ltd

LOCATION: Zone 4
INCLINATION: -90°
LOGGED: WJH DATE: 8/9/11

JOB NO: 117632047
HOLE DEPTH: 11.07 m
CHECKED: NK DATE: 26/9/11

Drilling						Field Material Description				Defect Information	
METHOD	WATER	TCR	RQD (SCR)	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH $Is_{(50)}$ MPa (EL 0.03, VL 0.1, L 0.3, M 1, H 3, VH 10, EH)	DEFECT DESCRIPTION & Additional Observations	AVERAGE DEFECT SPACING (mm) (10, 30, 100, 300, 1000, 3000)
NMLC		100	90 (100)	10	-8.45			SW - FR		9.86 m: J, 40°, Pl, Ro, Cn 10.43 m: J, Un, Ro, Cn	
				11	11.07					10.92 m: HB 10.96 m: HB	
					-9.52		END OF BOREHOLE @ 11.07 m TARGET DEPTH GROUNDWATER NOT OBSERVED				

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GAP gINT FN. F02a
RL3

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REPORT OF CORE PHOTOGRAPHS: BH402

CLIENT: McConnell Dowell Constructors
PROJECT: Gold Coast Rapid Transit
LOCATION: Zone 4
JOB NO: 117632047

COORDS: 85381.5 m E, 60442.7 m N
SURFACE RL: 1.55 m DATUM: AHD
INCLINATION: -90°
HOLE DEPTH: 11.07 m

DEPTH RANGE: 4.40 – 11.07 m
DRILL RIG: FD500
DRILLER: Foundril Pty Ltd
LOGGED: WJH DATE: 8/09/11
CHECKED: NK DATE: 26/09/11



4.40 – 11.07 m

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