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REPORT OF BOREHOLE: BH2D09

SHEET: 1 OF 3

DRILL RIG: Hydrapower Scout

CONTRACTOR: GeoDrill Pty Ltd

LOGGED: BT DATE: 13/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82473.2 m E 61456.1 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 15.29 m DATUM: AHD

LOCATION: Zone 2 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 17.00 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			0	15.29	SPT 0.50-0.95 m 2, 2, 5 N=7			GC	Sandy Clayey GRAVEL fine to coarse grained, sub-angular to angular, brown, high plasticity clay, fine to coarse grained sand, becoming less coarse with depth	M	L - MD	Grass at surface. Rootlets <

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: BH2D09

SHEET: 2 OF 3

DRILL RIG: Hydrapower Scout

CONTRACTOR: GeoDrill Pty Ltd

LOGGED: BT DATE: 13/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82473.2 m E 61456.1 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 15.29 m DATUM: AHD

LOCATION: Zone 2 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 17.00 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	STRUCTURE AND ADDITIONAL OBSERVATIONS
RT	L		10		SPT 10.10-10.55 m 4, 8, 11 N=19 U50 10.40-10.80 m PP =400 kPa		CH	Sandy CLAY high plasticity, pale orange brown pale red, fine to coarse grained sand, trace fine to medium gravel	VSt	Casing installed to 10.5 m depth
			11						M - W	
			12		SPT 11.50-11.95 m 7, 14, 21 N=35				H	
			13					For Continuation Refer to Sheet 3		
			14							
			15							
			16							
			17							
			18							
			19							
			20							

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GAP gINT FN. F01a
RL3



REPORT OF BOREHOLE: BH2D09

SHEET: 3 OF 3

DRILL RIG: Hydrapower Scout

CONTRACTOR: GeoDrill Pty Ltd

LOGGED: BT DATE: 13/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82473.2 m E 61456.1 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 15.29 m DATUM: AHD

LOCATION: Zone 2 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 17.00 m

Drilling					Field Material Description					Defect Information				
METHOD	WATER	TCR	RQD (SCR)	DEPTH (metres)	DEPTH RL	GRAPHIC LOG	ROCK / SOIL MATERIAL DESCRIPTION	WEATHERING	INFERRED STRENGTH $I_{s(50)}$ MPa	DEFECT DESCRIPTION & Additional Observations			AVERAGE DEFECT SPACING (mm)	
				10									10	
				11									20	
				12	12.05		Continuation of Sheet 2						30	
					3.24		SANDSTONE	EW					40	
							fine to coarse grained, white and pale red, clayey fines						50	
					12.65		CORE LOSS						60	
					2.64								70	
				13	13.00		SANDSTONE	EW					80	
					2.29		fine to coarse grained, white and pale grey, clayey fines						90	
					13.60		CORE LOSS						100	
					13.73								110	
					1.56		SANDSTONE	EW					120	
					14.15		fine to coarse grained, white and pale grey, clayey fines						130	
					14.35		CORE LOSS						140	
					0.94								150	
							SANDSTONE						160	
							fine to coarse grained, white and pale red, quartz crystals up to 20 mm in diameter in clayey sandstone matrix, orange from 15.5-15.63 m						170	
				15									180	
					15.63		CORE LOSS						190	
					-0.34								200	
				16	16.00		ARGILLACEOUS MUDSTONE						210	
					-0.71		fine grained, white, silty and clayey fines, quartz crystals up to 50 mm in diameter in a sandy mudstone matrix, orange from 16.5-16.7 m						220	
					16.87		CORE LOSS						230	
					17.00								240	
					-1.71		END OF BOREHOLE @ 17.00 m						250	
				18									260	
				19									270	
				20									280	

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GAP gINT FN. F02a
RL3



REPORT OF CORE PHOTOGRAPHS: BH2D09

CLIENT: McConnell Dowell Constructors
PROJECT: Gold Coast Rapid Transit
LOCATION: Zone 2
JOB NO: 117632047

COORDS: 82473.23 m E, 61456.16 m N MGA94 56
SURFACE RL: 15.29m DATUM: AHD
INCLINATION: -90°
HOLE DEPTH: 17.00 m

DEPTH RANGE: 12.05 – 17.00 m
DRILL RIG: Hydrapower Scout
DRILLER: Geodrill Pty Ltd
LOGGED: BT DATE: 13/08/11
CHECKED: NK DATE: 26/9/11



12.05 – 17.00 m