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REPORT OF BOREHOLE: BH2D06

SHEET: 1 OF 3

DRILL RIG: Hydrapower Scout

CONTRACTOR: GeoDrill Pty Ltd

LOGGED: BT DATE: 15/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82433.9 m E 61419.1 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 15.09 m DATUM: AHD

LOCATION: Zone 2 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 20.40 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	Groundwater not observed	0	15.09					FILL: Sandy Clayey GRAVEL fine to coarse grained, sub-angular to angular, pale brown, high plasticity clay, fine to coarse grained sand	D		
				SPT 0.50-0.95 m 3, 3, 2 N=5					L - MD			
			1	SPT 1.00-1.45 m 1, 2, 13 N=15								
			2	2.00 13.09	SPT 2.50-2.95 m 3, 5, 5 N=10			FILL: Sandy Gravelly SILT high plasticity, dark brown, fine to medium grained gravel, fine to coarse grained sand, zones of pale red and orange staining		D - M	Tree roots	
			3								St	
			4	SPT 4.00-4.45 m 3, 5, 6 N=11								
			5									
			6	5.50 9.59	SPT 5.50-5.95 m 3, 4, 5 N=9			FILL: Sandy Clayey GRAVEL fine to medium grained, sub-rounded to sub-angular, pale brown with pale orange staining, high plasticity clay, fine to coarse grained sand	M	Pieces of plastic in auger cuttings		
			7		SPT 7.00-7.45 m 3, 3, 2 N=5					MD		
			8	8.30 6.79	SPT 8.50-8.95 m 2, 2, 3 N=5							
9			CH	CLAY high plasticity, pale brown with pale grey lenses		VSt						

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GAP gINT FN. F01a
RL3



REPORT OF BOREHOLE: BH2D06

SHEET: 2 OF 3

DRILL RIG: Hydrapower Scout

CONTRACTOR: GeoDrill Pty Ltd

LOGGED: BT DATE: 15/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82433.9 m E 61419.1 m N GCCC
PROJECT: Gold Coast Rapid Transit SURFACE RL: 15.09 m DATUM: AHD
LOCATION: Zone 2 INCLINATION: -90°
JOB NO: 117632047 HOLE DEPTH: 20.40 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
WB	L-M		10		SPT 10.00-10.45 m 7, 9, 14 N=23			CH	CLAY high plasticity, pale brown with pale grey lenses			VSt
			11									
			12		U50 11.50-12.00 m PP =500 kPa							
			12.50	2.59			pale grey, with some fine grained sand					
			13		SPT 13.00-13.45 m 10, 14, 18 N=32							
			13.50	1.59		CH	Sandy CLAY high plasticity, pale grey		VSt - H			
			14	14.10	SPT 14.15-14.60 m 16, 16, 11 N=27	SP	Clayey SAND fine to medium grained, sub-rounded to sub-angular, pale grey, with some 20-50 mm bands of fine to medium sub-angular quartz gravel					
			15						M			
			15.90	-0.81	SPT 16.00-16.45 m 10, 15, 15 N=30		brown		MD - D			
			16									
NMLC			17		SPT 17.50-17.95 m 7, 14, 14 N=28							
			18	18.50		CH	Silty CLAY high plasticity, dark grey, inferred EW Siltstone					
			19	19.20	SPT 19.00-19.24 m 18, 30/90 mm N>30		brown, trace pieces of HW siltstone		H			
			19.20	-4.11								

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GAP gINT FN. F01a
RL3



REPORT OF BOREHOLE: BH2D06

SHEET: 3 OF 3

DRILL RIG: Hydrapower Scout

CONTRACTOR: GeoDrill Pty Ltd

LOGGED: BT DATE: 15/8/11

CHECKED: NK DATE: 26/9/11

CLIENT: McConnell Dowell Constructors (Aust) P/L COORDS: 82433.9 m E 61419.1 m N GCCC

PROJECT: Gold Coast Rapid Transit SURFACE RL: 15.09 m DATUM: AHD

LOCATION: Zone 2 INCLINATION: -90°

JOB NO: 117632047 HOLE DEPTH: 20.40 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	
NMLC	M		20				X X X	CH	Silty CLAY high plasticity, dark grey, inferred EW Siltstone		M	H			
			-5.31						END OF BOREHOLE @ 20.40 m TARGET DEPTH GROUNDWATER NOT OBSERVED						
			21												
			22												
			23												
			24												
			25												
			26												
			27												
			28												
			29												
			30												

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