REPORT OF BOREHOLE: BH2D06

SHEET: 1 OF 3

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

PROJECT: Gold Coast Rapid Transit
SURFACE RL: 15.09 m DATUM: AHD
CONTRACTOR: GeoDrill Pty Ltd

LOCATION: Zone 2
INCLINATION: -90°
LOGGED: BT DATE: 15/8/11

JOB NO: 117632047
HOLE DEPTH: 20.40 m
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
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							
			1		SPT 1.00-1.45 m 1, 2, 13 N=15					D - M	L - MD	
												Tree roots
				2.00								
			2	13.09					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			
					SPT 2.50-2.95 m 3, 5, 5 N=10							
			3								St	
			4		SPT 4.00-4.45 m 3, 5, 6 N=11							
			5									
				5.50								
WB	L-M			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
			6									
			7		SPT 7.00-7.45 m 3, 3, 2 N=5						MD	
			8									
				8.30								
				6.79				CH	CLAY high plasticity, pale brown with pale grey lenses			
					SPT 8.50-8.95 m 2, 2, 3 N=5						VSt	
			9									
			10									

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GAP gINT FN. F01a
RL3

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REPORT OF BOREHOLE: BH2D06

SHEET: 2 OF 3

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

PROJECT: Gold Coast Rapid Transit
SURFACE RL: 15.09 m DATUM: AHD
CONTRACTOR: GeoDrill Pty Ltd

LOCATION: Zone 2
INCLINATION: -90°
LOGGED: BT DATE: 15/8/11

JOB NO: 117632047
HOLE DEPTH: 20.40 m
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
WB	L-M	Groundwater not observed	10		SPT 10.00-10.45 m 7, 9, 14 N=23		CH	CLAY high plasticity, pale brown with pale grey lenses	M	VSt	
			11		U50 11.50-12.00 m PP =500 kPa						
			12	12.50 2.59				pale grey, with some fine grained sand			
			13		SPT 13.00-13.45 m 10, 14, 18 N=32						
NMLC				13.50 1.59			CH	Sandy CLAY high plasticity, pale grey		VSt - H	
			14	14.10 0.99	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			
WB	M		15						M		
			16	15.90 -0.81	SPT 16.00-16.45 m 10, 15, 15 N=30			brown		MD - D	
			17								
			18		SPT 17.50-17.95 m 7, 14, 14 N=28						
				18.50 -3.41			CH	Silty CLAY high plasticity, dark grey, inferred EW Siltstone			
NMLC			19	19.20 -4.11	SPT 19.00-19.24 m 18, 30/90 mm N>30			brown, trace pieces of HW siltstone		H	
			20								

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REPORT OF BOREHOLE: BH2D06

SHEET: 3 OF 3

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

PROJECT: Gold Coast Rapid Transit
SURFACE RL: 15.09 m DATUM: AHD
CONTRACTOR: GeoDrill Pty Ltd

LOCATION: Zone 2
INCLINATION: -90°
LOGGED: BT DATE: 15/8/11

JOB NO: 117632047
HOLE DEPTH: 20.40 m
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
NMLC	M		20					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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