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REPORT OF BOREHOLE: BH232

Golder Associates

SHEET: 1 OF 3

CLIENT: McConnell Dowell Constructors (Aust) P/L
PROJECT: Gold Coast Rapid Transit
LOCATION: Zone 2
JOB NO: 117632047

COORDS: 82282.3 m E 61291.9 m N GCCC
SURFACE RL: 17.86 m DATUM: AHD
INCLINATION: -90°
HOLE DEPTH: 20.61 m

DRILL RIG: Hydrapower Scout
CONTRACTOR: GeoDrill Pty Ltd
LOGGED: BT DATE: 29/8/11
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
ADV			0	17.86					FILL: Sandy CLAY high plasticity, brown, fine to coarse grained sand, with some fine gravel	D	F - St	Glass, paper, rusted metal, shards of plastic, chips of wood, fibrous material inferred to be wool
					SPT 0.50-0.95 m 5, 4, 6 N=10							
			1		SPT 1.00-1.45 m 5, 5, 5 N=10					D - M		
				1.80 16.06					FILL: Silty Sandy CLAY high plasticity, dark brown grey, fine to coarse grained sand, with some fine to medium gravel			
			2		SPT 2.50-2.95 m 2, 1, 3 N=4							
			3							M - W	S - F	
			4		SPT 4.00-4.45 m 9, 4, 2 N=6							
RT	L-M	Full loss to 11.5 m	5							W		
			6		SPT 5.50-5.89 m 7, 5, 10/90 mm HB N>15							
			7		SPT 7.00-7.45 m 10, 6, 8 N=14							
				7.45 10.41					cuttings contain plastic	M (>PL)	St - VSt	
			8	8.50 9.36	SPT 8.50-8.95 m 9, 12, 15 N=27				cuttings consist of gravel, fibrous material and wood			
			9									
			10									

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REPORT OF BOREHOLE: BH232

SHEET: 2 OF 3

CLIENT: McConnell Dowell Constructors (Aust) P/L
PROJECT: Gold Coast Rapid Transit
LOCATION: Zone 2
JOB NO: 117632047

COORDS: 82282.3 m E 61291.9 m N GCCC
SURFACE RL: 17.86 m DATUM: AHD
INCLINATION: -90°
HOLE DEPTH: 20.61 m

DRILL RIG: Hydrapower Scout
CONTRACTOR: GeoDrill Pty Ltd
LOGGED: BT DATE: 29/8/11
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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	L-M		10		SPT 10.00-10.45 m 9, 22, 17 N=39				FILL: Silty Sandy CLAY high plasticity, dark brown grey, fine to coarse grained sand, with some fine to medium gravel			Glass, paper, rusted metal, shards of plastic, chips of wood, fibrous material inferred to be wool
			11		SPT 11.50-11.95 m 11, 12, 18 N=30							
				11.90 5.96								
			12						Silty CLAY low plasticity, white and orange, trace fine grained sand, colour is variable with depth		St - VSt	
			13		SPT 13.00-13.45 m 13, 13, 7 N=20							
				14.00 3.86					with some fine to coarse grained sand, trace fine gravel			
RD	M		14		SPT 14.50-14.75 m 19, 30/100 mm HB N>30					M (>PL)		
			15									
			16		SPT 16.00-16.08 m 30/80 mm							
			17								VSt - H	
			18		SPT 17.50-17.95 m 15, 29, 24 N=53							
				18.70 -0.84					cuttings appear to have some rock structure, quartz gravel observed			
			19		SPT 19.00-19.05 m 20/50 mm HB							
			20									

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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
RD	M		20						Silty CLAY low plasticity, white and orange, trace fine grained sand, colour is variable with depth	M (>PL)	VSt - H	
					SPT 20.50-20.61 m 30/110 mm HB							
				-2.75					END OF BOREHOLE @ 20.61 m TARGET DEPTH			
			21									
			22									
			23									
			24									
			25									
			26									
			27									
			28									
			29									
			30									

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