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Drilling Information				Soil Description				Testing		Strata Information		
Groundwater	Drilling Method	Sample Type	Elevation (m LAT)	USC	Material Type; Colour; Plasticity Or Particle Characteristics; Structure	Moisture Content	Consistency/Relative Density	Comments/ Test Results/ Origin	SPT Values	Graphic Log	Elevation (m LAT)	Depth (m)
	RC				FILL (Sandy GRAVEL) Yellow brown, non organic material, gravel up to 30mm diameter, medium dense to dense	D		Embankment Fill				
		SPT							SPT @ 0.50m to 0.95m (11, 12, 11) N = 23			
			-1.0		Road base							
		SPT		GC (XW/HW)	Clayey GRAVEL Red mottled white and brown, mottle approx 3mm to 5mm, low to medium plasticity, medium dense (Extremely to highly weathered CONGLOMERATE)			Residual Material	SPT @ 1.00m to 1.45m (5, 9, 17) N = 26			
		SPT							SPT @ 1.50m to 1.95m (22, 17, 18) N = 35			
		SPT	-2.0		Brown grey, highly weathered, medium dense				SPT @ 2.00m to 2.15m (30/145mm) N* = 62		-2.0	2.0
		SPT							SPT @ 2.50m to 2.95m (15, 13, 12) N = 25			
			-3.0									
				SW	CONGLOMERATE Brown grey, fine grained, with 300mm to 400mm sequences of slightly weathered, medium strength rock and highly weathered, low strength rock			Water loss @ 3.80m				
		SPT	-4.0		Clayey GRAVEL Red mottled white and brown, mottle approx 3mm to 5mm, low to medium plasticity, medium dense (Extremely to highly weathered CONGLOMERATE)				SPT @ 4.00m to 4.45m (5, 16, 18) N = 34		-4.0	4.0
			-5.0									

Driller: GEODRILL

Remarks:

Logged By: JSM

Date Logged: 30/07/08

Drill Type: Truck Mounted HydrapowerSupport: Casing - 2.50m

Checked By: MS

Date Checked: 12/08/08

Drilling Information				Soil Description				Testing		Strata Information									
Groundwater	Drilling Method	Sample Type	Elevation (m LAT)	USC	Material Type; Colour; Plasticity Or Particle Characteristics; Structure	Moisture Content	Consistency/ Relative Density								Comments/ Test Results/ Origin	SPT Values	Graphic Log	Elevation (m LAT)	Depth (m)
							VS	S	F	St	VSt	H	VL	L					
	RC			GC (XW/HW)	Clayey GRAVEL (Continued) Red mottled white and brown, mottle approx 3mm to 5mm, low to medium plasticity, medium dense	D													
		SPT			(Extremely to highly weathered CONGLOMERATE) White, increased clay content, high plasticity, moist, soft	M								SPT @ 5.50m to 5.65m (30/145mm) N* = 62					
			-6.0	MW	CONGLOMERATE Dark grey mottled white, highly weathered, hard												-6.0 6.0		
					Begin NMLC Rock Log @ 6.30m														
			-7.0														-7.0 7.0		
			-8.0														-8.0 8.0		
			-9.0														-9.0 9.0		
			-10.0														-10.0 10.0		

Driller: GEODRILL

Remarks:

Logged By: JSM

Date Logged: 30/07/08

Drill Type: Truck Mounted HydrapowerSupport: Casing - 2.50m

Checked By: MS

Date Checked: 12/08/08

Drilling Information				Rock Description			Intact Strength			Rock Mass Defects			Strata Information				
Groundwater	Drilling Method	Core Recovery	Elevation (m LAT)	Weathering	Material Type; Colour; Plasticity Or Particle Characteristics; Structure	RQD (%)	Estimated Strength			Is(50) A/irD(MPa)	UCS (MPa)	Defect Spacing (m)	Defect Description (depth, type, angle, roughness, infill, thickness)	Graphic Log	Elevation (m LAT)	Depth (m)	
							VL EL	M L	VH H			0.02 0.006	0.2 0.06	0.6			
			-6.0		Start NLMC Rock Core Log @ 6.30m											-6.0	6.0
	NMLC	100		MW	CONGLOMERATE Dark grey mottled white and grey, moderately weathered, high to very high strength	88								Refer to attached sheet for defect descriptions			
			-7.0	MW-HW	Moderately to highly weathered, high to very high strength											-7.0	7.0
				MW	Moderately weathered, high to very high strength												
		100	-8.0		Crushed seam, light grey clay, high plasticity, soft	89										-8.0	8.0
		100				50											
			-9.0	HW	Highly weathered with crushed rock and clay, possible shear zone, extremely weathered, extremely low strength	72										-9.0	9.0
		100		SW	Increased frequency of white mottle, clasts up to 8mm diameter, sub-angular, slightly weathered, very high to extremely high strength												
			-10.0													-10.0	10.0

Driller: GEODRILL

Remarks:

Logged By: JSM

Date Logged: 30/07/08

Drill Type: Truck Mounted HydrapowerSupport: Casing - 2.50m

Checked By: MS

Date Checked: 12/08/08

Drilling Information				Rock Description		Intact Strength			Rock Mass Defects			Strata Information					
Groundwater	Drilling Method	Core Recovery	Elevation (m LAT)	Weathering	Material Type; Colour; Plasticity Or Particle Characteristics; Structure	RQD (%)	Estimated Strength			Is(50) A/1r/D(MPa)	UCS (MPa)	Defect Spacing (m)	Defect Description (depth, type, angle, roughness, infill, thickness)	Graphic Log	Elevation (m LAT)	Depth (m)	
	NMLC	100		MW	CONGLOMERATE (Continued) Dark grey mottled white and grey, moderately weathered, high to very high strength	72	VL EL	M L	VH H			0.02 0.2 0.006 0.06 0.6		Refer to attached sheet for defect descriptions			
		100	-11.0			65										-11.0	11.0
		100				0											
			-12.0	CH	CLAY White and grey, high plasticity, with some fragments of highly weathered rock, possible shear zone, very stiff												
		100		SW	CONGLOMERATE Dark grey, some ironstaining at defects, slightly weathered to fresh, very high to extremely high strength	97											
			-13.0							30.49						-12.0	12.0
										41.92							
			-14.0													-13.0	13.0
			-15.0													-14.0	14.0
			-15.0													-15.0	15.0
					End of Borehole @ 13.20m												

Driller: GEODRILL

Remarks:

Logged By: JSM

Date Logged: 30/07/08

Drill Type: Truck Mounted HydrapowerSupport: Casing - 2.50m

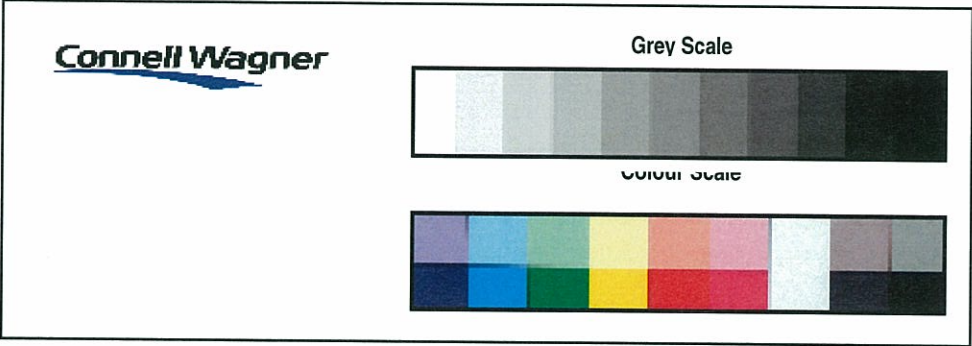
Checked By: MS

Date Checked: 12/08/08

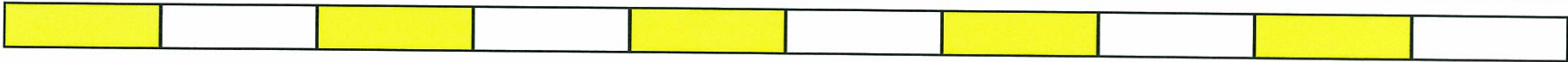
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37009-001-01

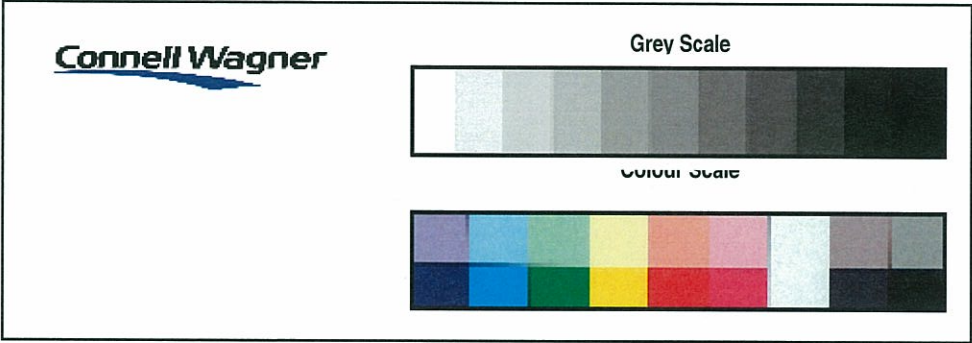
CW-02

Depth (m)	Type	Dip (Degrees)	Aperture (mm)	Nature of Infilling	Infill Consistency	Roughness (Profile, JRC @ 100mm)
6.70	Joint	60	Extremely Narrow (2mm)	Surface Staining	High Strength	Smooth - Planar
6.80	Joint	35	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Undulating
6.90	Joint	65	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Planar
7.15	Joint	40	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Planar
7.30	Joint	45	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Planar
7.40	Joint	45	Extremely Narrow (2mm)	Surface Staining	High Strength	Smooth - Planar
7.58	Joint	40	Extremely Narrow (2mm)	Surface Staining	High Strength	Smooth - Planar
7.73	Joint	60	Extremely Narrow (2mm)	Surface Staining	Soft / Loose	Rough - Planar
7.78	Joint	75	Extremely Narrow (2mm)	Surface Staining	High Strength	Smooth - Planar
7.80	Joint	70	Extremely Narrow (2mm)	Surface Staining	Soft / Loose	Rough - Planar
7.85	Joint	45	Narrow (6-20mm)	Cohesive (clay/silts)	High Strength	Rough - Planar
7.90	Joint	15	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Planar
8.32	Joint	60	Very Narrow (2-6mm)	Cohesive (clay/silts)	High Strength	Rough - Undulating
8.45	Joint	40	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Planar
8.62	Joint	55	Very Narrow (2-6mm)	Quartz	High Strength	Rough - Undulating
8.70	Joint	55	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Planar
8.75	Joint	65	Extremely Narrow (2mm)	Surface Staining	High Strength	Smooth - Planar
8.93-8.96	Joint	40	Moderately Narrow (20-60mm)	Cohesive (clay/silts)	Soft / Loose	Rough - Planar
9.00	Joint	35	Very Narrow (2-6mm)	Cohesive (clay/silts)	Firm/Med Dense	Rough - Planar
9.18	Joint	5	Extremely Narrow (2mm)	Cemented	Stiff/Dense	Rough - Planar
9.3-9.35	Joint	95	Moderately Narrow (20-60mm)	Cohesive (clay/silts)	Soft / Loose	Rough - Planar
9.35	Joint	25	Extremely Narrow (2mm)	Cemented	Very High Strength	Rough - Planar
9.56	Joint	70	Tight	Surface Staining	Extremely High	Rough - Planar
9.70	Joint	50	Extremely Narrow (2mm)	Surface Staining	Extremely High	Smooth - Planar
9.90	Joint	87	Extremely Narrow (2mm)	Surface Staining	Extremely High	Rough - Planar
10.10	Joint	70	Very Narrow (2-6mm)	Cohesive (clay/silts)	High Strength	Rough - Planar
10.20	Joint	50	Extremely Narrow (2mm)	Surface Staining	Extremely High	Smooth - Planar
10.40	Joint	85	Very Narrow (2-6mm)	Cohesive (clay/silts)	Soft / Loose	Smooth - Planar
10.50	Joint	40	Very Narrow (2-6mm)	Surface Staining	Very High Strength	Rough - Undulating
10.60	Joint	20	Moderately Narrow (20-60mm)	Cohesive (clay/silts)	Firm/Med Dense	Rough - Undulating
10.70	Joint	60	Tight	Surface Staining	Extremely High	Smooth - Planar
10.75	Joint	70	Extremely Narrow (2mm)	Surface Staining	Extremely High	Smooth - Planar
10.81	Joint	35	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Undulating
10.86	Joint	65	Extremely Narrow (2mm)	Surface Staining	Very High Strength	Rough - Undulating
10.95	Joint	75	Extremely Narrow (2mm)	Cohesive (clay/silts)	Soft / Loose	Smooth - Planar
11.20	Joint	65	Extremely Narrow (2mm)	Surface Staining	High Strength	Smooth - Planar
11.33	Joint	80	Very Narrow (2-6mm)	Cohesive (clay/silts)	High Strength	Smooth - Planar
11.45 - 11.65	CLAY					
11.75	Joint	85	Extremely Narrow (2mm)	Surface Staining	Very High Strength	Smooth - Planar
11.78	Joint	85	Extremely Narrow (2mm)	Surface Staining	Very High Strength	Rough - Planar
11.80	Joint	10	Extremely Narrow (2mm)	Surface Staining	Extremely High	Rough - Undulating
11.90	Joint	20	Extremely Narrow (2mm)	Surface Staining	Extremely High	Smooth - Planar
12.05	Joint	55	Extremely Narrow (2mm)	Surface Staining	Extremely High	Rough - Planar
12.43	Joint	60	Moderately Narrow (20-60mm)		Soft / Loose	Rough - Planar
12.46	Joint	60	Extremely Narrow (2mm)	Surface Staining	Extremely High	Smooth - Planar
12.90	Joint	65	Extremely Narrow (2mm)	Surface Staining	Extremely High	Smooth - Planar
13.10	Joint	65	Extremely Narrow (2mm)	Clean	Extremely High	Smooth - Planar



Borehole Number		BH02	
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Number	37009-001-01		
Client	Department of Main Roads		





Borehole Number		BH02	
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Depth	11.05	to	13.20
Project	Maleny to Kenilworth Slope Stability Investigation		
Number	37009-001-01		
Client	Department of Main Roads		

