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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	FILL (Sandy GRAVEL) Black, loose	M		Embankment Fill				
				ML	Gravelly SILT Pale yellow, medium plasticity, stiff	D						
		SPT							SPT @ 0.50m to 0.95m (5, 7, 6) N = 13			1.0
		SPT							SPT @ 1.00m to 1.45m (6, 8, 18) N = 26			
		SPT		MH (XW)	Gravelly SILT Reddish brown stained black, red and yellow, high plasticity, sub-rounded to rounded gravel, very stiff (Extremely weathered CONGLOMERATE)	D		Residual Material	SPT @ 1.50m to 1.95m (5, 17, 24) N = 41			2.0
		SPT		(HW)	Pale yellow brown, decomposed clasts, sub-rounded to rounded, in red clayey matrix, high plasticity, very stiff (Highly Weathered CONGLOMERATE)				SPT @ 2.50m to 2.80m (10, 30/145mm) N* = 62			3.0
					Brown, red and black clasts, up to 5mm diameter, very stiff							4.0
		SPT							SPT @ 4.00m to 4.45m (12, 20, 30/145mm) N* = 51			5.0

Driller: GEODRILL

Remarks:

Logged By: JSM

Date Logged: 29/07/08

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)
	RC			MH (HW)	Gravelly SILT (Continued) Pale yellow brown, decomposed clasts, sub-rounded to subrounded, in red clayey matrix, high plasticity, very stiff	D	VS S F St VSt H VL L MD D VD C					
		SPT		MH (XW/ HW)	(Highly Weathered CONGLOMERATE) White grey, high plasticity, with very stiff clasts, up to 100mm diameter, in red clayey sand matrix, very stiff to hard				SPT @ 5.50m to 5.95m (6, 16, 24) N = 40			6.0
		SPT			(Extremely to highly weathered CONGLOMERATE)				SPT @ 7.00m to -7.12m (30/115mm) N* = 76			7.0
		SPT			As previous, very stiff to hard				SPT @ 8.50m to -8.77m (17, 30/115mm) N* = 78			8.0
												9.0
												10.0

Driller: GEODRILL

Remarks:

Logged By: JSM

Date Logged: 29/07/08

Drill Type: Truck Mounted HydrapowerSupport: Casing - 2.50m

Checked By: MS

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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	SPT		HW	CONGLOMERATE Pale yellow brown, some red, white and black nodules, fine grained, some black stained infill of defects, stiff Sequence of extremely low to low strength CONGLOMERATE at 200mm and 50mm intervals	D	VS S F St VSt H VL L MD D VD C		SPT @ 10.00m to 10.11m (30/110mm) N* = 82			
		SPT			Begin NMLC Rock Log @ 11.53m				SPT @ 11.50m to 11.54m (30/35mm) N* = 257 Nil Sample			

Driller: GEODRILL

Remarks:

Logged By: JSM

Date Logged: 29/07/08

Drill Type: Truck Mounted HydrapowerSupport: Casing - 2.50m

Checked By: MS

Date Checked: 12/08/08

File Name: P:\WP\37009\Winlog

[illegible]

Date Checked: 12/08/08

Client: Department of Main Roads
Project: Maleny to Kenilworth
Project Number: 37009-001-01
File Name: P:\WP\37009\Winlog

Commenced: 29/07/08 **Borehole Number: CW-01**
Completed: 29/07/08
Location: CH 32600
Easting: 468739m
Northing: 7054092m
Elevation: Not Surveyed
Inclination: 90°
Datum: UTM - Zone 56J
Sheet: 5 of 5

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/Ir/D(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							
	NMLC	86		MW	SANDSTONE (Continued) Yellow brown, fine grained, moderately weathered, medium strength	83							Refer to attached sheet for defect descriptions			
		88		MW	CORE LOSS - 100mm 15.10m to 15.20m	65										
						SANDSTONE Yellow brown, fine grained, some infilled seams of white, high plasticity, clay fines, highly weathered, medium strength										
		100		SW	CONGLOMERATE Yellow brown mottled red, blue and white, fine grained matrix, moderately weathered, medium strength	76										16.0
					CORE LOSS - 80mm 15.80m to 15.88m											
					CONGLOMERATE Yellow brown mottled red, blue and white, fine grained matrix, slightly weathered, high strength											17.0
					End of Borehole @ 16.53m											
																18.0
																19.0
																20.0

Driller: GEODRILL

Remarks:

Logged By: JSM

Date Logged: 29/07/08

Drill Type: Truck Mounted HydrapowerSupport: Casing - 2.50m

Checked By: MS

Date Checked: 12/08/08


Maleny To Kenilworth
37009-001-01

CW-01


Depth (m)	Type	Dip (Degrees)	Aperture (mm)	Nature of Infilling	Infill Consistency	Roughness (Profile, JRC @ 100mm)
11.56	Joint	10	Moderately Narrow (20-60mm)	Surface Staining	Medium Strength	Rough - Undulating
11.64	Joint	70	Narrow (6-20mm)	Surface Staining	Medium Strength	Rough - Undulating
11.68	Joint	15	Moderately Narrow (20-60mm)	Surface Staining	Medium Strength	Rough - Undulating
11.72	Joint	10	Moderately Narrow (20-60mm)	Surface Staining	Medium Strength	Rough - Undulating
11.77	Joint	50	Tight	Surface Staining	Medium Strength	Smooth - Planar
11.92	Joint	5	Extremely Narrow (2mm)	Surface Staining	Medium Strength	Rough - Undulating
12.21	Joint	60	Tight	Surface Staining	Medium Strength	Smooth - Planar
12.27	Joint	75	Tight	Surface Staining	Medium Strength	Smooth - Planar
12.34 - 12.50	Crushed Core					
12.50 - 12.60	Core Loss					
12.60 - 12.90	Crushed Core					
12.94	Joint	15	Narrow (6-20mm)	Surface Staining	Soft / Loose	Rough - Undulating
13.2	Joint	70	Moderately Narrow (20-60mm)	Surface Staining	Soft / Loose	Rough - Planar
13.20-13.40	Crushed Core					
13.4	Joint	5	Very Narrow (2-6mm)	Surface Staining	Medium Strength	Rough - Undulating
13.45	Joint	75	Very Narrow (2-6mm)	Surface Staining	High Strength	Rough - Undulating
13.5	Joint	45	Narrow (6-20mm)	Surface Staining	High Strength	Rough - Planar
13.6	Joint	10	Very Narrow (2-6mm)	Surface Staining	High Strength	Smooth - Planar
13.65	Joint	30	Extremely Narrow (2mm)	Surface Staining	High Strength	Smooth - Planar
13.75	Joint	30	Very Narrow (2-6mm)	Surface Staining	High Strength	Rough - Planar
13.8	Joint	20	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Planar
13.85	Joint	55	Extremely Narrow (2mm)	Surface Staining	High Strength	Smooth - Planar
14.01	Joint	55	Extremely Narrow (2mm)	Surface Staining	High Strength	Smooth - Planar
14.06	Joint	40	Extremely Narrow (2mm)	Surface Staining	High Strength	Smooth - Planar
14.1	Joint	50	Very Narrow (2-6mm)	Surface Staining	High Strength	Smooth - Planar
14.17	Joint	50	Very Narrow (2-6mm)	Surface Staining	High Strength	Rough - Planar
14.2	Joint	70	Very Narrow (2-6mm)	Surface Staining	High Strength	Rough - Undulating
14.20-14.30	Crushed Core					
14.3	Joint	55	Very Narrow (2-6mm)	Surface Staining	Medium Strength	Rough - Planar
14.35	Joint	15	Extremely Narrow (2mm)	Surface Staining	Medium Strength	Rough - Planar
14.44	Joint	70	Tight	Surface Staining	High Strength	Smooth - Planar
14.9	Joint	70	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Undulating
15	Joint	60	Extremely Narrow (2mm)	Surface Staining	High Strength	Smooth - Planar
15.10-15.20	Core Loss					
15.44	Joint	70	Extremely Narrow (2mm)	Surface Staining	Medium Strength	Rough - Planar
15.52	Joint	30	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Planar
15.56	Joint	30	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Planar
15.62	Joint	80	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Planar
15.8	Joint	25	Very Narrow (2-6mm)	Surface Staining	High Strength	Rough - Undulating
15.85-15.93	Core Loss					
16.09	Joint	35	Narrow (6-20mm)	Surface Staining	Firm / Med. Dense	Rough - Undulating
16.3	Joint	5	Very Narrow (2-6mm)	Surface Staining	High Strength	Rough - Undulating
16.44	Joint	25	Extremely Narrow (2mm)	Surface Staining	High Strength	Rough - Undulating

Connell Wagner

Grey Scale



Colour Scale



Borehole Number		BH01	
Page	1	of	1
Depth	11.35	to	16.53
Project	Maleny to Kenilworth Slope Stability Investigation		
Number	37009-001-01		
Client	Department of Main Roads		

