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Client: Department of Transport and Main Roads  
 Project: Brisbane-Woodford Road Slip Repair  
 Project Number: 217132-001-02  
 File Name: GINT\_MONTVILLE-MAPLETON RD.GPJ

Commenced: 1/08/2011  
 Completed: 1/08/2011  
 Location: Site 17 (CH 43.77)  
 Easting: 475077.9 m  
 Northing: 7002940.3 m  
 Elevation: 511.4 m  
 Inclination: 90°

Elevation Datum: AHD  
 Sheet: 1 of 3

Drilling Information				Soil Description			Testing		Strata Information			
Groundwater	Drilling Method	Sample Type	Depth (m)	USC	Material Type; Colour; Plasticity or Particle Characteristics; Structure	Moisture Content	Consistency / Relative Density	Comments / Test Results / Origin	SPT Values	Graphic Log	Elevation (m AHD)	Depth (m)
Not Observed	AT		(0.10)	(SM)	<b>ASPHALT</b> <b>Silty SAND</b> Red brown, fine to coarse grained, with fine to medium grained sub rounded gravel, medium dense, dry	D	[Green shaded area]	ASPHALT ROADBASE		[Graphic Log]	(511.30)	
			(0.50)	(MH)	<b>Clayey SILT</b> Brown, with fine to medium grained sand, trace of coarse sand, high plasticity, soft to firm, dry to moist						D-M	
	1		With coarse grained sand and fine to medium grained sub angular gravel, firm, moist	M				SPT @ 1.0m (4, 4, 4) N=8	(510.40)	1		
	2	U50						U50 @ 2.0 PP = 6.0, 6.0, 6.0kg/cm2 PP (avg) = 6.0kg/cm2	(510.00)	2		
	(2.50)	SM	<b>Silty SAND</b> Brown with stiff grey nodules, well graded, fine to coarse grained, subangular, high plasticity fines, with fine to medium subangular gravel, medium dense, moist	M	Emerson Class Number @ 2.5m - 4 Atterberg Limits LL (%) - 54 PL (%) - 36 LS (%) - 9.0			SPT @ 2.5m (3, 5, 5) N=10	(509.90)	3		
4		(MH)	<b>Clayey SILT</b> Brown, high plasticity, firm, moist	M		SPT @ 4.0m (4, 4, 4) N=8	(507.40)	4				

**Driller:** All-Tech Drilling      **Remarks:** -      **Logged By:** LE      **Date Logged:** 1/08/2011  
**Drill Type:** Explorer 50      **Support:** Open hole      **Checked By:** MS      **Date Checked:** 6/09/2011



**Borehole Number: BH 17-1**

Commenced: 1/08/2011  
 Completed: 1/08/2011  
 Location: Site 17 (CH 43.77)  
 Easting: 475077.9 m  
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Elevation Datum: AHD  
 Sheet: 2 of 3

Drilling Information				Soil Description			Testing		Strata Information			
Groundwater	Drilling Method	Sample Type	Depth (m)	USC	Material Type; Colour; Plasticity or Particle Characteristics; Structure	Moisture Content	Consistency / Relative Density	Comments / Test Results / Origin	SPT Values	Graphic Log	Elevation (m AHD)	Depth (m)
	AT	U50		(MH)	Clayey SILT (As above)	M			U50 @ 5.0 PP = >6.0, >6.0, >6.0kg/cm2 PP (avg) = >6.0kg/cm2		506	
			(5.50)	SM	Sandy SILT Brown with orange grey mottling with black nodules, high plasticity, fine to coarse sand, trace gravel, trace rootlets, stiff, moist	M		RESIDUAL  Emerson Class Number @ 5.5m - 4 Atterberg Limits LL (%) - 69 PL (%) - 39 LS (%) - 12.5	SPT @ 5.5m (6, 9, 13) N=22		(505.90)	6
		SPT	6								505	
			7	(MH)	Clayey SILT Green brown with orange and grey mottling, high plasticity, trace fine to coarse sand, trace fine to medium sub rounded gravel, hard, moist [PHYLLITE Foliated, extremely weathered, very low strength]	M		XW ROCK	SPT @ 7.0m (30/100mm) N*=90		(504.40)	7
											504	
			(8.50)		Becoming light green brown with orange and grey mottling, gravels appear to be highly weathered, forming low to medium strength rock				SPT @ 8.5m (4, 30/110mm) N*=82		(502.90)	9
		SPT	9								502	

Driller: All-Tech Drilling      Remarks: -      Logged By: LE      Date Logged: 1/08/2011  
 Drill Type: Explorer 50      Support: Open hole      Checked By: MS      Date Checked: 6/09/2011



**Borehole Number: BH 17-1**

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**Commenced:** 1/08/2011  
**Completed:** 1/08/2011  
**Location:** Site 17 (CH 43.77)  
**Easting:** 475077.9 m  
**Northing:** 7002940.3 m  
**Elevation:** 511.4 m  
**Inclination:** 90°

**Elevation Datum:** AHD  
**Sheet:** 3 of 3

Drilling Information				Soil Description				Testing		Strata Information			
Groundwater	Drilling Method	Sample Type	Depth (m)	USC	Material Type; Colour; Plasticity or Particle Characteristics; Structure	Moisture Content	Consistency / Relative Density	Comments / Test Results / Origin	SPT Values	Graphic Log	Elevation (m AHD)	Depth (m)	
													VS VL
	AT	SPT			Clayey SILT (As above) [PHYLLITE Becoming low strength]	M			SPT @ 10.0m 28, 30/50mm) N*=180		501		
			11		End of Borehole (E.O.H) @ 10.7 m							11	
												500	
			12										12
												499	
			13									13	
												498	
			14									14	
												497	

**Driller:** All-Tech Drilling

**Remarks:** -

**Logged By:** LE

**Date Logged:** 1/08/2011

**Drill Type:** Explorer 50

**Support:** Open hole

**Checked By:** MS

**Date Checked:** 6/09/2011