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Commenced: 22/09/2015
 Completed: 22/09/2015
 Logged By: DJ
 Checked By: PM

Easting (MGA94 56): 530371.701
 Northing (MGA94 56): 6918507.803
 Surface RL (m): 17.836
 Inclination (°): 90

Client: Seymour Whyte Constructions Pty Ltd
 Project: M1 Exit 54 Coomera Interchange Upgrade
 Project No.: 1831
 Location: W202 pile P11

DRILLING INFORMATION					MATERIAL DESCRIPTION		STRENGTH		OBSERVATIONS AND TESTING		STRATA			
Groundwater	Method	(TCR) RQD	Samples	Depth (m)	USC / Weathering	Soil Description	Cons-Density Strength	Defect Spacing (mm)	Additional Comments Origin, Structure, Defect Descriptions	Testing Results	Graphic Log	Elevation (m)	Depth (m)	
						Soil type, colour, plasticity and particle characteristics, secondary and minor components								Rock Description Rock type, colour, grain size, structure
Groundwater Not Encountered	Auger TC-bit		SPT	0	GM	FILL: Silty Sandy GRAVEL (GM): Orange brown, fine to coarse grained sub-angular, fine to coarse grained sand, some fines, moist	MD		Fill			0	0	
				1	CL-CH	FILL: Sandy Gravelly CLAY (CL-CH): Orange brown mottled grey, medium plasticity, fine to coarse grained sand, fine to medium grained sub-angular gravel, moist	St			SPT 1.00 4, 3, 3 N=6		17	1	
				2									16	2
				3	CH	FILL: Gravelly Sandy CLAY (CH): Orange brown mottled grey, high plasticity, fine to medium grained sub-angular gravel, fine to coarse grained sand, moist	St-VSt				SPT 2.50 3, 6, 7 N=13		15	3
				4	CH	FILL: Sandy Silty CLAY (CH): Grey to dark grey mottled orange brown, high plasticity, with sub-angular gravel, moist	VSt				SPT 4.00 2, 3, 4 N=7		14	4
5	CH	Silty CLAY (CH): Grey mottled orange brown, high plasticity, moist	VSt-H					Colluvium			13	5		
6	CH	Silty CLAY (CH): Grey to dark grey mottled dark brown, high plasticity, minor organics (OM), moist	VSt					Residual Soil			12	6		

QMS-6021.0-A
Additional Remarks
 Driller: Schneider Drilling
 Drill Rig:

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						Rock Description								
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Groundwater Not Encountered	NMLC	(100) 0		12	MW	(continued) SANDSTONE: Grey brown, fine to medium grained, minor dark grey argillite inclusions		60	200	12.02 Jo 35° Pl Sm sn Fe			12	
				13		from 13.49 m: 2 mm quartz vein at 30°				12.17 Jo 15° Ir Ro cn			13	
				14						12.40 Jo 50° Ir Ro vn Fe clay 1mm			14	
				15						12.54 Jo 35-45° Ir Ro sn Fe			15	
				16		SANDSTONE: Orange brown flecked dark grey, fine to medium grained, with argillite inclusions				13.18 Jo 30° Ir Ro sn Fe			16	
				17		16.25 m to 16.31 m: shear, LS, brecciated 65°				14.14 Jo 50° clay 50mm			17	
				18		SANDSTONE: Grey, dark grey, fine to medium grained, with some argillite bands at 20°				14.22 Jo 35° Pl Ro vn Fe clay 1mm			18	
										14.30 Jo 30° Pl Ro vn Fe clay 1mm				
										14.42 Jo 40° Pl Ro vn Fe clay 1mm				
										14.44 Jo 45° Ir Ro sn Fe				
			14.54 Jo 10-45° Ir Ro sn Fe											
			14.74 Jo 45° Ir Ro cn											
			14.92 Jo 45° Ir Ro sn Fe											
			14.93 Jo clay 5mm											
			15.05 Jo 45° Pl Ro sn Fe											
			15.28 Jo 5° Ir Ro sn Fe											
			15.49 Jo 30° Ir Ro cn											
			15.62 Jo 10-15° Ir Ro cn											
			16.07 Jo 50° Ir clay 20-40mm											
			16.20 Jo 20° Pl Sm sn Fe											
			16.25-16.31 Sz 65°											
			16.32 Jo 25° Pl Sl sn Fe											
			16.42 Jo 50° Pl Sm sn Fe											
			16.69 Jo 15-20° Ir Ro cn											
			17.00 Jo 30° Pl Sm sn Fe											
			17.23 Jo 40° Pl Sm sn Fe											
			17.47 Jo 10-25° Ir Ro sn Fe											
			17.53 Jo 30° Pl Sl sn Fe											
			17.75 Jo 10-25° Ir Ro sn Fe											
			SANDSTONE (50%) and ARGILLITE (50%): Dark grey,											

Additional Remarks

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Groundwater Not Encountered	NMLC	(100) 0		18	SW	grey, fine to medium grained sandstone, distinct bedding at 15-25°		6	20 60 200 600 2m	18.00 Jo 15° Pl Ro cn			18	
				19				HS		18.55 Jo 80° Ir Ro sn Fe 18.70 Jo 30° Pl Sm cn 18.87 Jo 35° Pl Sm cn			-1	19
						SANDSTONE: Dark grey, grey, fine to medium grained, minor argillite bands at 30°				19.59 Jo 75° Ir Ro sn Fe 19.64 Cs 10mm				
				20						19.83 Jo 50° Ir Ro sn Fe 19.84 Jo 70° Pl Sm sn Fe			-2	20
						EOH 20 m: Target depth								
Additional Remarks Driller: Schneider Drilling Drill Rig:														

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Start Depth (m): 8.47
End Depth (m): 20.00

Start RL (AHD): 9.37
End RL (AHD): -2.16

