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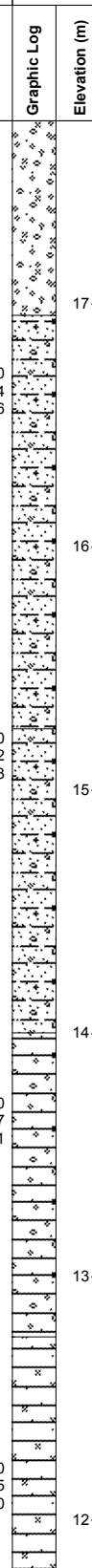
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Commenced: 21/09/2015
 Completed: 21/09/2015
 Logged By: DJ
 Checked By: PM

Easting (MGA94 56): 530377.043
 Northing (MGA94 56): 6918508.327
 Surface RL (m): 17.753
 Inclination (°): 90

Client: Seymour Whyte Constructions Pty Ltd
 Project: M1 Exit 54 Coomera Interchange Upgrade
 Project No.: 1831
 Location: W202 pile P07

DRILLING INFORMATION					MATERIAL DESCRIPTION		STRENGTH		OBSERVATIONS AND TESTING		STRATA			
Groundwater	Method	(TCR) RQD	Samples	Depth (m)	USC / Weathering	Soil Description	Cons-Density	Defect Spacing (mm)	Additional Comments	Testing Results	Graphic Log	Elevation (m)	Depth (m)	
						Soil type, colour, plasticity and particle characteristics, secondary and minor components								Rock Description
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, trace fines, moist	6	20 60 200 600	Fill			0		
				1	SC	FILL: Gravelly Clayey SAND (SC): Grey, Orange brown, fine grained, sub-angular gravel, medium plasticity clay, moist, properties of Stiff Clay						SPT 1.00 2, 2, 4 N=6	17	1
				2	MD								16	2
				3	SC	FILL: Gravelly Clayey SAND (SC): Grey brown, fine grained, fine to medium grained sub-angular gravel, medium plasticity clay, moist, properties of Stiff Clay						SPT 2.50 1, 1, 2 N=3	15	3
				4	CH	FILL: Gravelly Sandy CLAY (CH): Dark brown mottled orange brown, high plasticity, fine to medium grained sub-angular gravel, moist						SPT 4.00 3, 4, 7 N=11	14	4
5	VSt			13	5									
6	CH	FILL: Sandy Silty CLAY (CH): Dark brown, orange brown, grey, high plasticity, with fine to medium grained sub-angular gravel, moist	SPT 5.50 5, 5, 5 N=10	12	6									

Additional Remarks

Driller: Schneider Drilling
 Drill Rig:

QMS-6021.0-A

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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	Testing Results	Graphic Log	Elevation (m)	Depth (m)					
						Soil type, colour, plasticity and particle characteristics, secondary and minor components								Rock Description	Origin, Structure, Defect Descriptions			
Groundwater Not Encountered	WB blade-bit					(continued) FILL: Sandy Silty CLAY (CH): Dark brown, orange brown, grey, high plasticity, with fine to medium grained sub-angular gravel, moist	6 60 600		(continued) Fill			6						
						CH								VSt				
						7								CH	FILL: Silty CLAY (CH): Dark grey brown mottled orange brown, high plasticity, with sub-angular gravel, trace sand	SPT 7.00 2, 3, 5 N=8		7
						CH								VSt-H	Silty CLAY (CH): Dark grey, red grey, high plasticity, minor organics (OM), moist	SPT 7.50 3, 6, 30/100mm		
						CH								ELS	ARGILLITE: Pale to dark grey, mottled orange brown			10
						8								XW	SANDSTONE: Orange brown and grey mottled dark grey, fine to medium grained	SPT 8.50 12, 30/140mm		8
														VLS				9
						9								HW				9
														LS				
						MW								MS	SANDSTONE: Pale brown mottled grey, fine to medium grained	9.43 Jo 30° Ir clay 3mm 9.51 Jo 45° Pl clay 3-5mm 9.61 Jo 45° Ir Ro cn 9.64 Jo 30° Ir Ro sn Fe 9.67 Jo 30° Ir Ro sn Fe 9.70 Jo 60° Pl Ro sn Fe 9.88 Jo 20° Un Sm sn Fe		8
						10								MS-HS	SANDSTONE: Brown grey, pale brown, fine to medium grained, minor argillite inclusions	10.25 Jo 45° Ir cg clay 5mm 10.31 Jo 45° Ir cg clay 5mm 10.33 Jo 20° Ir cg clay 5mm 10.37 Jo x2 75° Pl Ro sn Fe 10.66 Jo 50° St Ro cn 10.77 Ds 5° St clay 10-20mm 10.80 Jo 20° Pl Ro sn Fe 10.98 Jo 20° Pl Sm sn Fe 11.10 Jo 20° Pl cg clay 1mm 11.13 Jo 20° Pl cg clay 1mm 11.17 Jo 10° Ir cg clay 3-5mm 11.19 Jo 70° Ir Ro vn clay cross joint 11.43 Jo 45° Pl Sm sn Fe 11.62 Jo 45° Ir Ro cg clay 3mm 11.70 Jo 45° Ir Ro sn Fe 11.88 Jo 30° Ir Ro cn 11.96 Jo 60° Pl Ro vn Fe		10
														MS				7
	MS-HS				11													
	MW				6													
					12													

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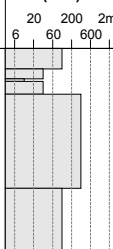
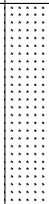
DRILLING INFORMATION					MATERIAL DESCRIPTION		STRENGTH		OBSERVATIONS AND TESTING		STRATA		
Groundwater	Method	(TCR) RQD	Samples	Depth (m)	USC / Weathering	Soil Description	Cons-Density Strength	Defect Spacing (mm)	Additional Comments	Testing Results	Graphic Log	Elevation (m)	Depth (m)
						Soil type, colour, plasticity and particle characteristics, secondary and minor components							
Groundwater Not Encountered	NMLC	(100) 70			MW	(continued) SANDSTONE: Brown grey, pale brown, fine to medium grained, minor argillite inclusions	6 20 60 200 600	20 60 200 600	12.00 Jo 15° Ir Ro cn		[Graphic Log Pattern]	12	12
						12.24 Jo 15° Ir Ro sn Fe							
						12.27 Jo 60° Pl Sm vn clay							
						12.31 Jo 30° Ir Ro sn Fe							
						MS							
						12.66 Jo 60° Ir Ro cg clay 3mm							
						12.72 Jo 30° Pl cg clay 3mm							
						MS							
						12.88 Jo 60° Ir Ro sn Fe							
						13.00 Jo 70° Ir Ro sn Fe							
						13.10 Jo x2 45° Ir Ro sn Fe							
						13.32 Jo 50° Pl Ro vn Fe							
						ARGILLITE: Dark grey, grey brown, minor intercalated fine grained sandstone							
						13.45 Jo 60° Un Ro sn Fe							
						13.56 Jo 30° Ir Ro cn							
						13.57 Jo 70° Ir Ro cg clay 3mm							
						13.66 Jo 45° Pl Sm cn							
						13.69 Jo 75° Ir Sm cn							
13.87-13.95 Cs 80mm													
14.01 Jo 60° St Sm vn clay													
14.17 Jo 45° Ir Ro cg clay 3mm													
14.62 Jo 20° St Ro cn													
14.66 Jo 20° Ir Sm cn													
14.71-14.75 Ds 30° clay 40mm													
14.85 Jo 60° Pl Sm sn Fe													
14.88 Jo 70° Cu Ro vn clay													
15.03 Jo 75° Ir Sm vn clay													
15.08 Jo 5° St Sm vn clay													
15.18 Jo 80° Un Sm sn Fe clay													
15.22 Jo 30° Ir Sm sn Fe													
HS													
15.44 Jo 60° Pl Ro vn clay													
15.46 Jo 60° Ir Ro vn clay													
15.49 Jo 5° Ir Sm cn													
15.78 Jo 4° Ir Sm vn Fe													
15.82 Jo 45° Ir Ro vn Fe													
15.95 Jo 45-90° St Ro sn Fe													
16.00 Jo 45° Pl Sm sn Fe													
16.25-16.31 Jo x3 45° Ir cg clay 2mm													
16.38 Jo 20° Ir Ro sn Fe													
ARGILLITE: Dark grey, grey, intercalated fine grained sandstone													
16.58 Jo 30° Pl Ro cn													
16.75 Jo 60° Ir Ro cn													
17.23 Jo 30° St Ro cn													
17.44 Jo 20° Ir Ro cg clay 3mm													
17.64 Jo 45° Un Sm cn													
17.71 Jo 20° Ir Ro cg clay 3mm													
17.81 Jo 15° Un Ro cn													
17.88 Jo 80° Un Ro sn Fe													
MW-SW													
18													18

Additional Remarks
 Driller: Schneider Drilling
 Drill Rig:

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Groundwater	Method	(TCR) RQD	Samples	Depth (m)	USC / Weathering	Soil Description Soil type, colour, plasticity and particle characteristics, secondary and minor components	Rock Description Rock type, colour, grain size, structure	Cons-Density Strength	Defect Spacing (mm)	Additional Comments Origin, Structure, Defect Descriptions	Testing Results	Graphic Log	Elevation (m)	Depth (m)
Groundwater Not Encountered	NMLC	(100) 84		18	MW-SW	(continued) SANDSTONE: Grey, fine to medium grained, with minor dark grey argillite inclusions		HS		18.00 Jo 45° Pl Ro sn Fe 18.08 Jo 30° St Ro cn 18.12 Jo 5° Ir Ro cg clay 3mm 18.13 Jo 90° Ir Ro sn Fe 18.18 Jo 5° Ir Ro cn 18.55 Jo 15° Un Ro vn Fe clay 18.61 Jo 20° Ir Ro vn clay 18.72 Jo 20° Ir Ro vn clay			18	
						EOH 18.8 m: Target depth							-1	
Additional Remarks Driller: Schneider Drilling Drill Rig:														

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Start Depth (m): 9.20
End Depth (m): 18.80

Start RL (AHD): 8.55
End RL (AHD): -1.05

