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**Queensland
Government**

GEOTECHNICAL TEST PIT LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS
REFER TO TMR FORM F:GEOT 017/10 - 2019

EXCAVATION No **TP01**

Sheet 1 of 1

DATE EXCAVATED **11/06/2019**

PROJECT	Centenary Bridge Upgrade			REFERENCE NUMBER	T00616		
LOCATION	M5 Centenary Motorway, Jindalee to Kenmore			COORDINATES	494700.69E; 6954817.00N		
PROJECT No	FG18012	SURFACE R.L.	9.88m	HEIGHT DATUM	m AHD		
				BEARING			
				GRID DATUM	MGA94 56J		
JOB No	498/05038	PLANT TYPE AND MODEL	Kubota U55		BUCKET SIZE	600mm	
					CONTRACTOR	Aussie Hydrovac	

DEPTH (m)	R.L. (m)	AUGER BUCKET (BLADE) BUCKET (TEETH) ROCK RIPPER	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	GROUP SYMBOL / WEATHERING	Dynamic Cone Penetrometer (DCP) Blows Per 100mm				ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
							5	10	15	20		
0.20	9.68			Silty Sandy GRAVEL (FILL) brown, moist, loose-medium dense. 50% fine to medium grained gravel, angular grains. 30% medium to coarse grained sand. 20% silt. Sandy CLAY with gravel (FILL) orange brown mottled pale grey, moist, firm-stiff. 42% clay, medium plasticity. 39% fine to coarse grained sand. 19% fine to medium grained gravel, angular to sub-angular.	(GP)						LL= 39% PI= 21% MC= 14.8% LS= 9% WPI=1218 <75µm= 42% CBR= 1.5%	BULK
			1	From 0.50m: becoming stiff.								
				From 0.70m: becoming orange brown - brown, gravelly sandy CLAY. 36% clay, medium plasticity, 32% fine to medium grained gravel, angular, 32% sand.	CI						LL= 37% PI= 20% MC= 12.2% LS= 9% WPI=980 <75µm= 36% CBR= 3% ECN= 4	BULK
1			2									
1.10	8.78			Clayey GRAVEL with sand (FILL) grey - dark grey, moist, medium dense. 70% fine to medium grained gravel, angular grains. 20% clay, high plasticity. 10% medium to coarse grained sand.	(GC)							
1.40	8.48			CLAY trace sand (Alluvium) Dark grey, moist, very stiff. 92% clay, medium plasticity. 7% fine to medium grained sand. 1% gravel.							LL= 44% PI= 24% MC= 29.9% LS= 10% WPI=2328 <75µm= 92% CBR= 2% ECN= 6	BULK
			3	From 1.50m: becoming hard.								
				1.7 - 2.0m: grey, sandy CLAY band. Medium to coarse grained sand.								
2					CI							
				From 2.25m: sand becoming medium to coarse grained.								
			4								LL= 44% PI= 24% MC= 23.3% LS= 14% WPI=2391 <75µm= 92% CBR= 3%	BULK
2.75	7.14			Excavation completed at 2.75 m.								

REMARKS No free groundwater or seepage observed
Test pit moved 1 m west of original nominated location to avoid in-ground service (fibre optic in 100 mm white conduit?)

LOGGED BY

REVIEWED BY

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