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BOREHOLE ENGINEERING LOG

BOREHOLE NO.

BH60

SHEET 1 OF 2

Client: QUEENSLAND MAIN ROADS
Project: TUGUN BYPASS GEOTECHNICAL INVESTIGATION
Borehole Location: Hidden Valley Bridges; Abutment B LHS;
Project Number: 2134070C

Date Commenced: 6/7/05
Date Completed: 6/7/05
Recorded By: AO
Log Checked By: DAW

Drill Model/Mounting: EAZE-CAT TRACKED RIG Hole Angle: 90° Surface RL: 29.0 m AHD
Borehole Diameter: 80 mm Bearing: --- Co-ords: E 48107.1 N 89242.2 PMG

Borehole Information						Field Material Description													
1	2	3	4	5	6	7	8	9			10	11	12	13					
METHOD	SUPPORT	WATER	RL(m) AHD	DEPTH(m)	FIELD TEST	SAMPLE	GRAPHIC LOG	USC SYMBOL	SOIL/ROCK MATERIAL FIELD DESCRIPTION			MOISTURE	RELATIVE DENSITY / CONSISTENCY	HAND PENETROMETER (kPa)	STRUCTURE AND ADDITIONAL OBSERVATIONS				
VS	FB	VL	J	MD	ST	D	VST	D	H	VS	FB	VL	J	MD	ST	D	VST	D	H
TC	C	OSQOTIZ						CL	Silty CLAY: medium plasticity, brown, some gravel, plant roots.										
			0.00						GREYWACKE: fine to medium grained, pale grey, mostly stained orange brown and orange, highly weathered, extremely low strength.										
			-28	1	SPT 6,13,20 N=33	SPT													
			-27	2															
			2.00																
			-26	3	SPT 18,27,28 N=55	SPT			ARGILLITE: pale grey, some orange and red-brown staining, highly weathered, very low strength.										
			-25	4	SPT 30 /65mm	SPT													
			-24	5															
			3.00																
WB	Nil		-23	6	SPT 30 /110mm	SPT			GREYWACKE: fine to medium grained, pale grey, mostly stained orange-brown and red-brown, highly weathered with some moderately weathered fragments, very low strength, occasional argillite interbeds.										
			-22	7	SPT 30 /85mm	SPT			...fine grained greywacke at 7.00-7.085m.										
			-21	8															
			-20	9															

This borehole log should be read in conjunction with Parsons Brinckerhoff's accompanying standard notes.

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WB					SPT 30 /50mm	SPT			GREYWACKE: fine to medium grained, pale grey, mostly stained orange-brown and red-brown, highly weathered with some moderately weathered fragments, very low strength, occasional argillite interbeds. (continued)				
			-18	11					...harder band according to drillers log only at 11.9-12.2m.				
			-17	12									
			-16	13	SPT 30 /50mm	SPT			...fine grained greywacke with extremely weathered argillite interbed.				
			-15	14									
			-14	15									
			-13	16	SPT 3 /50mm	SPT			END OF BOREHOLE AT 16.05 m				No sample recovery.
			-12	17									
			-11	18									
			-10	19									

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