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Client: RCP on behalf of the Department of Public Works
 Project: TANK STREET BRIDGE
 Borehole Location: North Quay
 Project Number: 2132311A

Date Commenced: 26/10/06
 Date Completed: 26/10/06
 Recorded By: WJB
 Log Checked By: *WJB*

Drill Model/Mounting: Hydra power scout
 Borehole Diameter: 125 mm

Hole Angle: -90°
 Bearing: ---
 Surface RL: 11.0 m AHD
 Co-ords: E 1180.2 N 1258.6

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	STRUCTURE AND ADDITIONAL OBSERVATIONS
TC	NII	m	0.05					SP	ASPHALT 50 mm thick FILL (Silty Gravelly SAND) coarse grained, brown, fine grained gravel, low plastic fines	D		FILL
				1	SPT 3,4,4 N=8	SPT						
				2								
WB	M			3	SPT 5,4,5 N=9	SPT						HW casing installed to 2.5 m for WB
				4	SPT 15,15,30 /150mm	SPT			ARGILLITE: fine grained, grey and black, orange stained, extremely weathered, extremely low strength			WEATHERED ROCK
				5								lost drilling fluid, full tank lost
				6	SPT 30 /60mm							no drilling fluid return
				7	SPT 5 /10mm				... becoming moderately weathered, low to medium strength.			no spt recovery
				8					REFER TO CORED BOREHOLE LOG			NW casing installed to 5.5 m for NMLC
				9								drilling resistance was significantly weaker for 150 mm
												A lot of weight being used to drill
												spt bouncing, no spt recovery

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



CORED BOREHOLE ENGINEERING LOG

BOREHOLE NO.

BH05




SHEET 2 OF 2

Client: RCP on behalf of the Department of Public Works
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Borehole Information						Field Material Description						
1	2	3	4	5	6	7	8	9	10	11	12	
METHOD	SUPPORT	WATER	CORE RECOVERY	RQD	RL(m) AHD	DEPTH(m)	GRAPHIC LOG	SOIL/ROCK MATERIAL FIELD DESCRIPTION	WEATHERING	INFERRED STRENGTH Is(50) MPa	AVERAGE DEFECT SPACING mm	STRUCTURE AND ADDITIONAL OBSERVATIONS
									0.03 0.1 0.3 1 3 10			
						1			EL VL L M T VH EH			
						2						
						3						
						4						
						5						
						6						
						7		COMMENCE CORING AT 7.01 m				
NMLC	Nil		100	0				ARGILLITE: fine grained, brown with black and orange staining, moderately weathered, medium strength END OF BOREHOLE AT 7.30 m	MW			core barrel jamming in hole at 4 m BH05 abandoned and BH05A was drilled 1 m away
						8						
						9						

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