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COFFEY & HOLLINGSWORTH  
 CONSULTING ENGINEERS - SOIL MECHANICS & FOUNDATIONS  
 112 BOWEN STREET, BRISBANE, 2-3471.

Job No. 1787B

Test Bore No. 104

Date 13-4-66

SUB SURFACE EXPLORATION - LOG OF BORE

Project FOUNDATION INVESTIGATION Location BOTANIC GARDENS - BRISBANE

Type & Size Bore GEMCO-4 1/2" & N.Y. SIZE Co-ordinates G.S. RL - 3.03

MC	U/W	Qu. (Triax Sheet)	N	Core Rec. %	RL -3.0	Depth	Log	Sample & Pressure	Classification & Physical Condition
						10			CLAY - Very soft to soft, dark grey, massive, silty clay of high plasticity. CH.
					-24.5	24'6"			GRAVEL - Just firm to firm, well graded, med. sized (to 1/2") alluvial gravel. GW.  Firm, well graded, medium to large (to 1 1/2") alluvial gravel. GW.
					-31.0	28'0"			
					30				
					-49.0	46'0"			
						50			CLAY - Soft to just firm, grey clay of high plasticity. CH.
						60			
						70			Firm, grey clay of high plasticity. CH.
						80			Alternate bands of soft & v. firm clay & sandy clay. Very firm layers assumed sandy clay. Sand is fine gr. Ch-SC.
				27	-83.0	80			PHYLLITE - Firm to hd, friable, lt grey, whtd. phyllite with almost vertical bedding. Some vesicular quartz seams. Soft, very decomposed phyllite.  Soft to firm, grey to green-brown, weathered to very weathered phyllite with possible clay seams.
					-88.0	85'0"			
					-89.5	86'6"			
						90			
						100			Firm to hd, friable, lt grey & green (with some br. staining) whtd. phyllite. Some quartz seams. Bedding 45°. Some vertical fracture.
				50	-101.8	98'9"			Firm to hd, mid-grey, whtd phyllite with some soft seams. Bedding parallel at 60°.
					-107.0	104'0"			
				90	-111.0	108'0"			Firm to hd, mid-grey, whtd. phyllite with some quartz seams. Bedding is 60° & slightly contorted. Easily fractured.
				100		110			
						110'6"			

NOTE

27% recovery of core from 80' to 85' (crust). From 85' to 98'9", became too weathered to core. Tricone roller bit was used for this section, until phyllite firm enough (at 98'9") to core.

See Note

153-B 187,000 lb/ft<sup>2</sup> (L.P. 87 psi)

Sample C.