# MAIN ROADS DEPARTMENT
## ENGINEERING BORE LOG

Form 23ZL(c) (P) /10/74

PROJECT: FIG TREE POCKET ROAD OVERPASS AND ASSOCIATED STRUCTURES FOUNDATION INVESTIGATION

HOLE No: 7

REF. H: 4677

LOCATION: Co-ordinates 24693.70N 32191.80E

DATUM: AHD

GROUND SURFACE: 10.33

JOB No: 140/U18/104 PROJECT No: 1/402 DATE: 3,4/4/79

TYPE OF DRILLING: Solid Augering ☐ 50mm Hollow Augering ☐ Casing ☒ NMLC Coring ☒

| STRATA DESCRIPTION | Depth | Field Sample & N Value | R.L. 1:50 | Graphic Log | ENGINEERING PROPERTIES |
|---|---|---|---|---|---|
| Soil Type / Lithology / Weathering | | | | | Parameters & Indices; MC(%)x DD(t/m³)o 5 x 15 x 25 x 35 1.4 o 1.8 o 2.2 o 2.6 |
| **FILL** Brown, moist, firm, silty clay and gravel. Gravel to 10mm. | 0.00 | A | 10.33 | | |
| | 1.00 | | 9.33 | | |
| **SANDY CLAY AND GRAVEL** Brown, moist, firm alluvium with gravel to 50mm. | | B 5<br>C **<br>D 8**<br>E | | | c=92kPa<br>ϕ=3° |
| | 3.90 | | 6.43 | | |
| **DECOMPOSED** Grey-green, clayey gravel. | 4.20 F | 30/150* | 6.13 | | STRUCTURE; Intact Strength; Defect Spacing (EH VH H M L VL EL / VC C M W VW) |
| **HIGHLY WEATHERED** Grey-brown iron-stained throughout. Some clay. Fractured core throughout. | | Core Rec % 45 | | | Fractured quartz vein. |
| | 6.58 | 71 | 3.75 | | |
| **MODERATELY WEATHERED** Low angle defects common. Orange ironstaining occurs only in defects. | 8.08 | 100 | 2.25 | | Quartz vein. |
| PHYLLITE Grey and white, closely laminated (1-10mm), contorted, fine grained metamorphic rock. | | | | | |
| END OF HOLE | | | | | |

REMARKS: ** Sampling unsuccessful
x Point Load Test

GEOLOGIST:

ENGINEER:

APPROVED: G.W. Eades

DATE: 25/6/79

50mm TUBE | 76mm TUBE | S.P.T. TEST | WATER LEVEL

NOTE:- For other symbols see Appendix I