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TEST PIT LOG

HOLE NO: **TPBV 3**

| | | |
|---|--------------------------------|--------------------------------|
| PROJECT : Brisbane Valley Grade Separation | JOB NO : QB10200.4 | PAGE : 1 OF 1 |
| POSITION : E: 470456, N: 6949572 (56 MGA94) | SURFACE ELEVATION : 59.7 (AHD) | LOCATION : Brisbane Valley Hwy |
| EQUIPMENT TYPE : 8t Excavator | CONTRACTOR : Aussie Excavators | BUCKET WIDTH : 0.6m |
| DATE DRILLED : 13/4/11 to 13/4/11 | LOGGED BY : LN | CHECKED BY : VP |
| STANDARD : AS1736 | | |

| EXCAVATION & WATER DETAIL | LAB DATA | | | | SAMPLES & FIELD DATA | RL (m) | DEPTH (m) | GRAPHIC LOG | MATERIAL DESCRIPTION Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components | MOISTURE | CONSISTENCY/DENSITY | DCP (blows/100mm) | COMMENTS Field Test Data & Other Observations |
|---------------------------|------------------|-------------|---------|-----------------|----------------------|--------|-----------|-------------|--|----------|---------------------|-------------------|---|
| | Moisture Content | Dry Density | % Fines | Aterberg Limits | | | | | | | | | |
| Groundwater | | | | | | 59.2 | 0.5 | | CLAY - high plasticity, dark grey-black, moist, firm, some fine roots. | M | F | | 0.00: TOPSOIL 0.0 m - 0.3 m |
| | | | | | 0.60m D-DS 1 | | | | | | | | |
| | | | | | | 58.7 | 1.0 | | Becoming stiff to very stiff. | M | St to VSt | | |
| | | | | | | | | | | | | | |
| | | | | | | 58.2 | 1.5 | | CLAY - sandy CLAY, high plasticity, dark grey-black, fine and medium sand, trace of fine gravel, moist, stiff to very stiff. | M | VSt | | |
| | | | | | 1.70m D-DS 2 | | | | | | | | |
| | | | | | | 57.7 | 2.0 | | Becoming red-brown in colour. | M | VSt | | |
| | | | | | | | | | | | | | |
| | | | | | 2.30m B-DS 3 | | | | | | | | |
| | | | | | | 57.2 | 2.5 | | Becoming yellow-brown in colour. | M | VSt | | |
| | | | | | | | | | | | | | |
| | | | | | | 57.2 | 2.5 | | SAND - silty SAND, fine and medium sand, low plasticity silt, yellow-brown, moist, dense. | M | D | | |
| | | | | | | | | | | | | | |
| | | | | | | 57.0 | 2.7 | | Test pit refused at 2.7 m. No water encountered. | | | | |
| | | | | | | | | | | | | | |
| | | | | | | 56.7 | 3.0 | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | 56.2 | 3.5 | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | 55.7 | 4.0 | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | 55.2 | 4.5 | | | | | | |

| EXCAVATION | | | | SAMPLES & FIELD TESTS | | | | DENSITY | | CONSISTENCY (Su) | |
|------------|--------------------------|---|-----------|-----------------------|---|---|-------------------------|---------------------------|--------------|------------------|-------------------------|
| N | Natural/Existing cutting | B | Bulldozer | B | Bulk Sample | U | Undisturbed Tube Sample | VL | Very Loose | VS | Very Soft (0-12.5kPa) |
| E | Excavator | R | Ripper | D | Small Disturbed Sample | W | Water Sample | L | Loose | S | Soft (12.5-25kPa) |
| BH | Backhoe Bucket | | | ES | Env Soil Sample | | | MD | Medium Dense | F | Firm (25-50kPa) |
| | | | | EW | Env Water Sample | | | D | Dense | St | Stiff (50-100kPa) |
| | | | | | HP Hand Penetrometer | | | VD | Very Dense | VSt | Very Stiff (100-200kPa) |
| | | | | | HV Hand Vane Shear (P: Peak Su, R: Residual Su) | | | CO | Compact | H | Hard (>200kPa) |
| | | | | | | | | MOISTURE CONDITION | | | |
| | | | | | | | | D = Dry M = Moist W = Wet | | | |

GROUNDWATER SYMBOLS

▼ = Water level (static)

▽ = Water level (during excavation)

▶ = Water inflow

PHOTOGRAPHS

NOTES ☐ YES ☒ NO