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HOLE NO: AHBV 31 **SOIL LOG** PAGE: 1 OF 1 PROJECT: Brisbane Valley Grade Separation JOB NO: QB10200.4 LOCATION: Brisbane Valley Hwy POSITION : E: 470445, N: 6949908 (56 MGA94) SURFACE ELEVATION: 55.4 (AHD) BUCKET WIDTH: 0.1m RIG TYPE: Nissan Rig CONTRACTOR: R. Battison DATE DRILLED: 23/5/11 to 23/5/11 STANDARD: AS1736 LOGGED BY: LN CHECKED BY: VP LAB DATA ONSISTENCY/DENSIT DCP (blows/100mm) SAMPLES & FIELD DATA GRAPHIC LOG DRILLING WATER DETAIL MOISTURE MATERIAL DESCRIPTION COMMENTS Ξ U. S. C. Moisture Conten Atterberg Limits Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components Dry Density % Fines Field Test Data 닕 & Other Observations 0.00: TOPSOIL SAND - clayey SAND, fine to medium sand, dark brown, high plasticity clay fines, moist, loose. SC М 1 0.20: PP = 120 kPa @ 0.5m CLAY - silty CLAY, high plasticity, orange grey, trace of fine sand, moist, stiff. М St 0.40m B-DS 1 CLAY - sandy silty CLAY, high plasticity, grey streaked brown, fine to coarse sand, moist, stiff 0.70: PP = 140 kPa @ U50 PP = 260 kPa 21m St М 1.28m СН CLAY - silty CLAY, high plasticity, grey mottled orange, some fine gravel, moist, very stiff to hard. СН CLAY - silty CLAY, high plasticity, light grey, trace of fine gravel, moist, very stiff to hard. М VSt / H Terminated @ 3.0m. SAMPLES & FIELD TESTS **DRILLING** CONSISTENCY (Su) {N-value} DCP- N (Blows/100mm) Small Disturbed Sample Env Soil Sample SPT SPT Sample U Undisturbed Tube Sample Hand Auger HQ **HQ** Coring VS Very Soft 0 - 1 ٧S Very Soft < 12 kPa {0-2} Auger Washbore NQ PQ NQ Coring PQ Coring S Soft 1 - 2 S Soft 12 - 25 {2-4} EW Env Water Sample W Water Sample Firm Firm 2 - 3 25 - 50 {4-8} Rock Rolling NMLC NMLC Coring B Bulk Disturbed Sample St Stiff 3 - 7 St Stiff 50 - 100 {8-15} MOISTURE CONDITION
D = Dry M = Moist W = Wet **GROUNDWATER SYMBOLS** VSt Very Stiff 7 - 12 VSt Very Stiff 100 - 200 {15-30} ▼ = Water level (static)

▼ = Water level (during drilling) H Hard >12/100mm Н Hard > 200 kPa {>30} – = Water Inflow (during drilling)