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HOLE NO: AHBV 39 **SOIL LOG** PAGE: 1 OF 1 PROJECT: Brisbane Valley Grade Separation JOB NO: QB10200.4 LOCATION: Brisbane Valley Hwy POSITION : E: 470272, N: 6950211 (56 MGA94) SURFACE ELEVATION: 61.1 (AHD) BUCKET WIDTH: 0.1m RIG TYPE: Nissan Rig CONTRACTOR: R. Battison DATE DRILLED: 2/5/11 to 2/5/11 STANDARD: AS1736 LOGGED BY: LN CHECKED BY: VP LAB DATA DCP (blows/100mm) CONSISTENCY/DENSI SAMPLES & FIELD DATA GRAPHIC LOG DRILLING WATER DETAIL MOISTURE MATERIAL DESCRIPTION COMMENTS Ξ U.S. Moisture Conten Soil Type, Colour, Plasticity or Particle Characteristic Secondary and Minor Components Dry Density Atterberg Limits % Fines Field Test Data 닕 & Other Observations 0.00: FILL SAND - silty SAND, fine to medium sand, trace of coarse sand, brown, some fine gravel, moist, medium dense. М MD CLAY - silty sandy CLAY, medium plasticity, dark brown mottled red grey, fine to medium sand, trace of fine gravel, moist, hard. 0.10: FILL М Н CI 0.35: NATURAL CLAY - silty CLAY, high plasticity, dark brown streaked grey, moist, hard. Н CLAY sandy CLAY, high plasticity, grey streaked red, fine to coarse sand, trace of fine ironstone gravel, moist, hard. СН М B-DS 1 CLAY sandy CLAY, high plasticity, grey streaked orange, fine to coarse sand, moist, hard. М Н 9.00 SANDSTONE - extremely weathered, extremely low strength, light orange grey, moist.
(Recovered as a silty sand, fine to medium sand, dense). 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 2 - 3 25 - 50 {4-8} Firm 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)