





BOX CULVERT CONCRETE PLAN SCALE 1:100

SUBGRADE AT CULVERT BASE SLAB:

- CE1. SUBGRADE SURFACE TO BE PROOF ROLLED AND INSPECTED BY THE GEOTECHNICAL ENGINEER. ALL SOFT SPOTS IDENTIFIED DURING THE PROOF ROLL ARE TO BE REMOVED AND REPLACED WITH COMPACTED FILL AS DIRECTED BY THE GEOTECHNICAL ENGINEER. VERIFICATION TESTING OF THE SUBGRADE STRENGTH IS REQUIRED ON ALL SUBGRADE MATERIAL UNLESS DIRECTED OTHERWISE BY THE GEOTECHNICAL ENGINEER. CE2. THE SUBGRADE VERIFICATION TESTING SHALL CONFIRM THAT THE FOUNDATION SOIL
- ACHIEVES A MINIMUM ALLOWABLE BEARING CAPACITY OF 150kPa (SLS) AND ADOPTING A GEOTECHNICAL REDUCTION FACTOR OF 0.35. ALL SUBGRADE MATERIAL THAT DOES NOT HAVE A MINIMUM UNDRAINED SHEAR STRENGTH OF 80kPa SHALL BE REMOVED AND REPLACED WITH CONTROLLED FILL. REFER TO THE GEOTECHNICAL ENGINEER FOR ALL UNDERCUT REQUIREMENTS. THE SUBGRADE TESTING SHALL COMPRISE HAND AUGERS ADVANCED TO A MINIMUM DEPTH OF 3.0m BELOW THE EXISTING GROUND LEVEL WITHIN ALLUVIUM OR 0.3m INTO RESIDUAL SOIL, WHICHEVER OCCURS FIRST. SHANE VANE TEST SHALL BE COMPLETED FROM A DEPTH OF 0.2m BELOW THE GROUND SURFACE AND THEN AT 0.2m INTERVALS AS THE HAND AUGER IS ADVANCED. WHERE SUBGRADE MATERIAL REQUIRES TESTING THE HAND AUGERS SHALL BE CARRIED OUT ON A 5m x 5m TO

BEDDING:

BEDDING FOR THE CAST-IN-PLACE CONCRETE BASE SLAB SHALL CONSIST OF A COMPACTED LAYER OF 20mm CLASS 3 CRUSHED ROCK OF NOT LESS THAT 150mm COMPACTED THICKNESS. WHERE SHOWN ON THE DRAWINGS, THIS MATERIAL SHALL BE PLACED ON 40mm CLASS 3 CRUSHED ROCK SPREAD IN LAYERS NOT EXCEEDING 150mm COMPACTED THICKNESS AND COMPACTED TO ACHIEVE THE REQUIRED BEARING PRESSURE SPECIFIED ON THE DRAWINGS.

10m x 10m GRID. ALL HAND AUGER HOLES SHALL BE BACKFILLED WITH

HAND-RAMMED CLEAN SAND OR ENGINEER APPROVED EQUIVALENT.

T.B.C.

PRELIMINARY DESIGN

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES
THE LOCATIONS OF UNDERGROUND/OVERHEAD SERVICES
ARE APPROXIMATE ONLY AND THEIR EXACT POSITION
SHOULD BE PROVEN ON SITE. NO GUARANTEE IS
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE D DOT SUPPLIED SURVEY AND SERVICES SHOWN IS TO MGA94Z55 DIMENSIONS ARE TO BE LINE OF KERB, UNLESS NOTED OTHERWISE A T.G. 04.07.22 PRELIMINARY ISSUE BALLARTO ROAD - DECLARED ROAD - 70Km/h LYREBIRD DR - LOCAL ROAD - 50Km/h ISSUE APP'D DATE AMENDMENT

BG&E DRAWING NO.

ST-0042

DESIGNED

G. MARANAN 04.07.22

T. GARDINER 04.07.22

FILE: V21199-DRG-ST-0041.dwg

√ vic roads

BALLARTO ROAD BALLARTO ROAD / LYREBIRD DRIVE INTERSECTION UPGRADE

CITY OF FRANKSTON BOX CULVERT CONCRETE PLAN

CONTRACT NO. SHEET NO. DRAWING NO. DOT26000 3 OF 4 V21199 7880123 A

