



NOTES:

- ROAD CROSSING SHALL BE BORED (UNCASED) FOR ALL SEALED ROADS. CASING PIPE TO BE INSTALLED WHERE GROUND CONDITIONS WILL NOT PERMIT AN UNCASED BORE.
- ANY EXISTING BURIED PIPE OR UTILITY WITHIN CLOSE PROXIMITY OF THE PIPELINE PATH OR EXCAVATION AREA SHALL BE HAND DUG TO ESTABLISH ITS EXACT LOCATION AND ELEVATION PRIOR TO MACHINE EXCAVATION.
- HEAVY WALL PIPE TO BE INSTALLED WITHIN ROAD RESERVE.
- STANDARD MAINLINE PIPE COATING TO BE EMPLOYED FOR BORED SECTION.
- MINIMUM DEPTH OF 1500mm COVER AT THE TABLE DRAIN SHALL BE MAINTAINED.
- CONCRETE SLABS TO BE INSTALLED UNDER TABLE DRAINS WHEN BORED. CONCRETE SLABS TO BE INSTALLED TOTAL LENGTH FROM TABLE DRAIN TO TABLE DRAIN WHEN OPEN CUT.
- PIPE SHALL BE INSTALLED STRAIGHT ACROSS WIDTH OF ROAD RESERVE UNLESS OTHERWISE APPROVED.
- DRAWING IS APPLICABLE FOR BOTH BITUMEN SEALED AND GRAVEL ROAD TYPES.
- LOCATION OF ALL SERVICES SHALL BE CONFIRMED PRIOR TO GAS PIPELINE INSTALLATION, MINIMUM HORIZONTAL SEPARATION BETWEEN PIPE AND SERVICES TO BE 7.5m.
- THE WORK AREA AND SURFACE DRAINAGE SHALL BE REINSTATED TO THE SATISFACTION OF THE COUNCIL.

- MARKER TAPE SHALL BE INSTALLED AT A NOMINAL 300mm ABOVE PIPE AND EXTENDED 10m BEYOND THE FULL WIDTH OF ROAD RESERVE OR FURTHERMOST PROPERTY FENCE WHEN ROAD IS LOCATED OUTSIDE ROAD RESERVE.
- PIPELINE WARNING SIGN SHALL BE INSTALLED AT FURTHERMOST POSITION FROM ROAD EITHER AT FENCE LINE OR ROAD BOUNDARY. BOTH SIGNS TO BE CLEARLY VISIBLE FROM THE ROAD. SIGNS MUST BE NO GREATER THAN 15m FROM THE ROAD PAVEMENT CENTRELINER.
- PIPE TO BE SUPPORTED AT 2m CENTRES WITH SAND BAGS/FOAM PILLOWS OR EQUIVALENT USING 2M CENTRES WHEN CONSTRUCTED USING THE BORED METHOD.
- ALL DIMENSION ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- CONCRETE SLAB WILL BE REQUIRED TO PROTECT UTILITY SERVICES.
- SLAB DETAIL - REFER DWG CMDG-R-092
- TRENCH AND BACKFILL DETAILS - REFER TO DWG CMDG-D-010

APPLICABILITY TABLE

Council	BSC	CHRC	GRC	IRC	LSC	MRC	RRC
Applicable	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Applicable DWG							

REVISIONS	DATE
D IRC ADDED	12/2016
C GRC AND LSC ADDED	01/2015
B NOTE 12 AMENDED NOTE 16, 17 ADDED	09/2013
A POST AMALGAMATION REVIEW	09/2013

DISCLAIMER.
The authors and sponsoring organisations shall have no liability or responsibility to the user or any other person or entity with respect to any liability, loss or damage caused or alleged to be caused, directly or indirectly, by the adoption and use of these Standard Drawings including, but not limited to, any interruption of service, loss of business or anticipatory profits, of consequential damages resulting from the use of these Standard Drawings. Persons must not rely on these Standard Drawings as the equivalent of, or a substitute for, project-specific design and assessment by an appropriately qualified professional.

Capricorn Municipal Development Guidelines

Incorporating:
Banana Shire Council (BSC) Livingstone Shire Council (LSC)
Central Highlands Regional Council (CHRC) Maranoa Regional Council (MRC)
Gladstone Regional Council (GRC) Rockhampton Regional Council (RRC)
Isaac Regional Council (IRC)

**GAS PIPELINE CROSS OVER
TYPICAL CROSS SECTION**

ROADS
STANDARD DRAWING CMDG-R-093
REV. A B C D