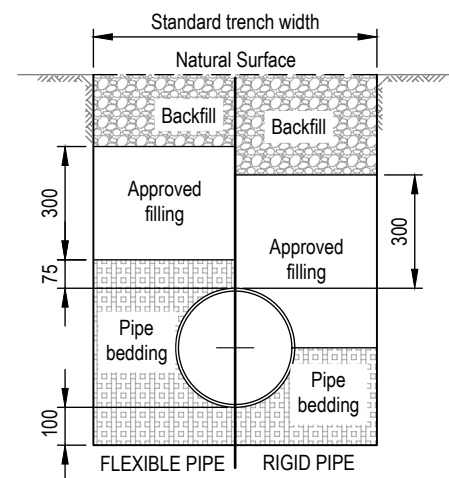
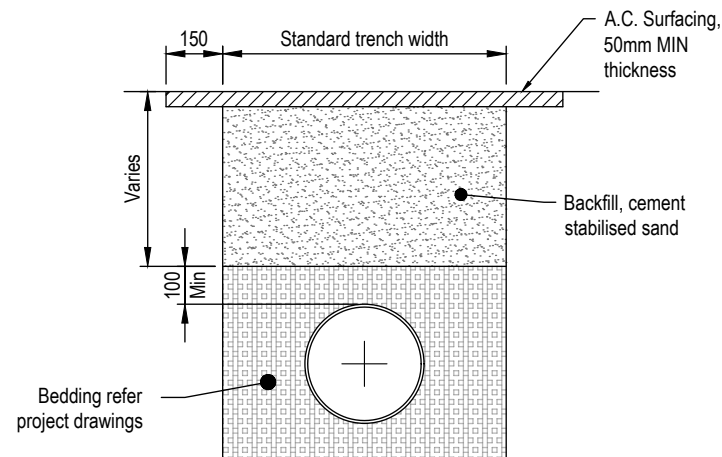
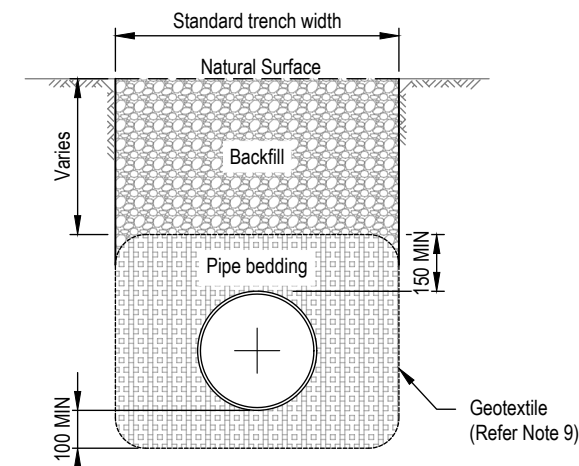




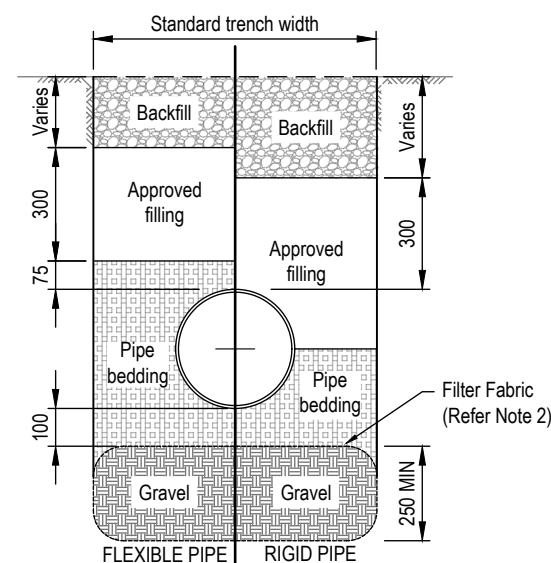
TYPE 1 - STANDARD SUPPORT
1:20



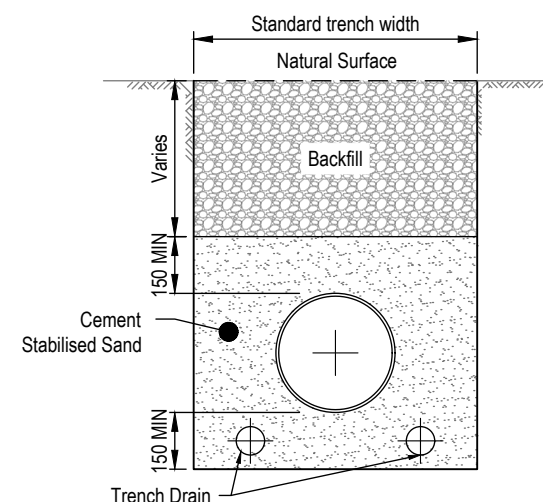
TYPE 2 - UNDER EXISTING ROADS
1:20



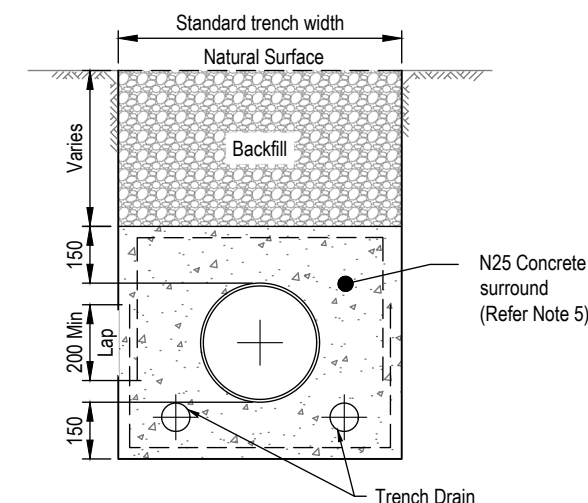
TYPE 3 - GEOTEXTILE WRAPPED
1:20



TYPE 4 - GEOTEXTILE WRAPPED
ROCK/GRAVEL PILLOW
1:20



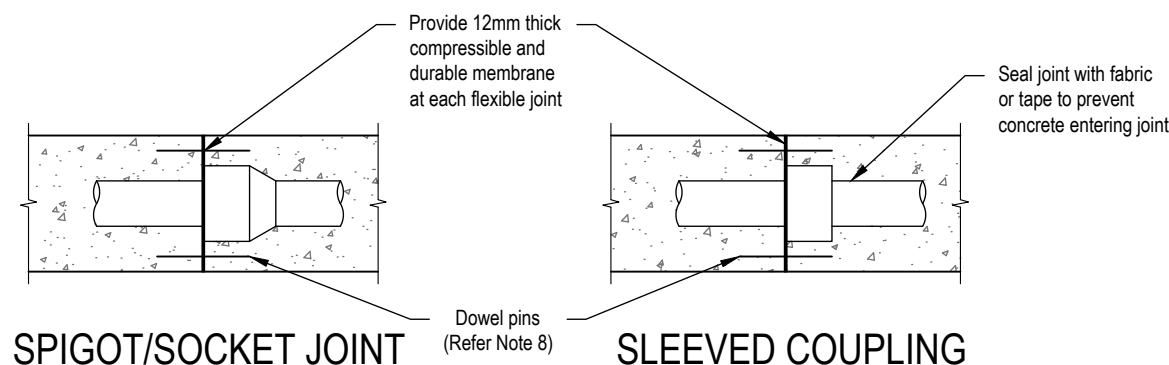
TYPE 5 - CEMENT STABILISED
1:20



TYPE 6 - CONCRETE SURROUND
1:20

NOTES:

- Pipe bedding classification
 - Rigid Pipes: Vitrified clay, steel, ductile iron, fibre cement and concrete.
 - Flexible Pipes: Unplasticised polyvinyl chloride, glass filament reinforced thermosetting plastics, acrylonitrile butadiene styrene and polyethylene.
- An approved geotextile fabric shall be used in all trenches around crushed rock pipe bedding.
- The road surface finish shall be asphaltic concrete or other surface specified in the project drawings or by the Superintendent.
- Sand surround (compacted in 150mm layers) > 70% D.I. or 95% standard compaction in bedding and side support. Density index (D.I.) as per A.S.1289.5.1.1: 1998 Standard compaction as per A.S. 1289.5.1.1: 2017.
- Concrete N25 in accordance with AS 1379 and AS 3600.
- All dimensions in millimetres.
- Cement stabilised sand (3% by weight) or well graded crushed rock to be 25:1 sand cement (placed dry).
- Provide dowel pins, as detailed in design drawings at each concrete encasement joint to prevent pipe damage.
- Lay geotextile filter fabric against trench floor and walls such that it fully encases the embedment.
 - Press fabric into the voids before installing embedment to prevent fabric tearing
 - Provide a minimum of 250mm overlap at all fabric joints.



SPIGOT/SOCKET JOINT
SLEEVED COUPLING
CONCRETE ENCASEMENT JOINT DETAILS
1:50

STANDARD TRENCH WIDTHS												
Diameter of Pipe	100	150	225	300	375	450	525	600	675	750	825	900
Trench Width	600	600	675	750	825	900	1000	1075	1150	1300	1375	1450

APPLICABILITY TABLE								
Council	BSC	CHRC	GRC	IRC	LSC	MRC	RRC	
Applicable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

REVISIONS		DATE	DISCLAIMER.				SEWER	
E	REWORK OF TRENCH PROFILES	07/2022	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.				STANDARD DRAWING	A3
D	IRC ADDED	11/2016					CMDG-S-090	
C	GRC AND LSC ADDED	09/2014						
B	RRC AMENDMENTS	05/2011						
A	POST AMALGAMATION REVIEW	01/2010					REV.	A B C D E

Capricorn Municipal Development Guidelines

Incorporating:
Banana Shire Council (BSC)
Central Highlands Regional Council (CHRC)
Gladstone Regional Council (GRC)
Livingstone Shire Council (LSC)

Maranoa Regional Council (MRC)
Rockhampton Regional Council (RRC)
Isaac Regional Council (IRC)

SEWER CONSTRUCTION PIPELINE CONSTRUCTION TYPES