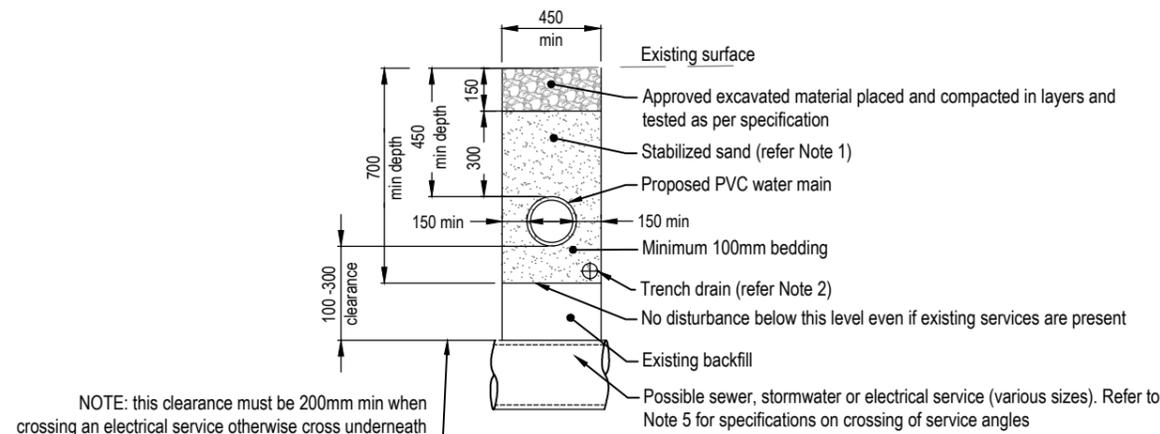


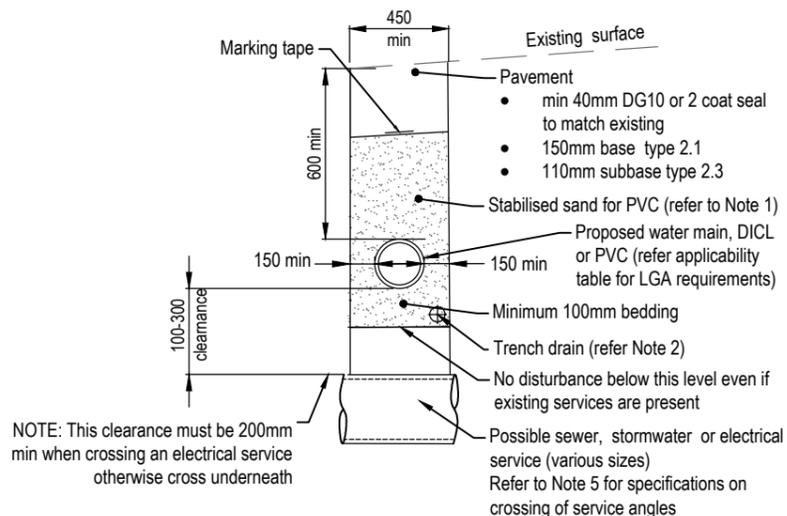
### TYPE A - NON TRAFFICABLE ROAD VERGE

Scale NTS



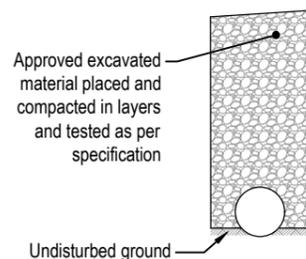
### TYPE B - NON TRAFFICABLE ROAD VERGE FOR PVC

(USE ONLY FOR SHORT LENGTHS WHEN 600mm COVER CANNOT BE ACHIEVED AND WITH SPECIFIC LGA APPROVAL)  
450mm to 600mm COVER  
Scale NTS



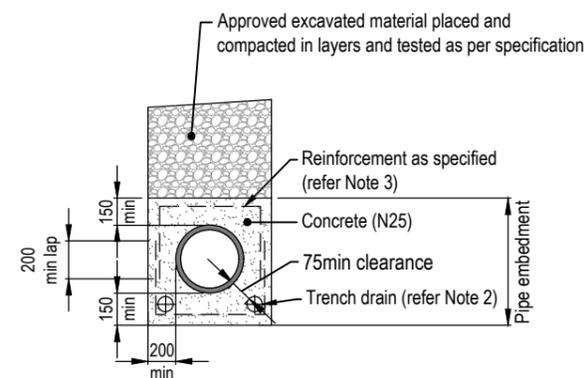
### TYPE C - UNDER CARRIAGEWAY (SEALED)

Scale NTS



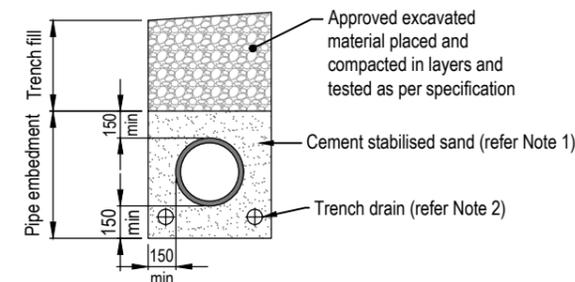
### TYPE D - APPROVED NATURAL BEDDING

FOR USE IN SANDY GROUND  
(SPECIFIC LGA APPROVAL REQUIRED)



### TYPE E - UTILISING CONCRETE

EMBEDMENT UTILISE IN LOW BEARING CAPACITY GROUND AS DIRECTED BY DESIGNER  
(RIGID & FLEXIBLE PIPES)  
Scale NTS



### TYPE F - UTILISING CEMENT STABILISED EMBEDMENT

UTILISE IN LOW BEARING CAPACITY GROUND AS DIRECTED BY DESIGNER  
(RIGID & FLEXIBLE PIPES)

### NOTES:

- Cement stabilised sand (3% by weight) or well graded crushed rock to be 25:1 sand: cement (placed dry).
- The trench drain shall be min DN 100 slotted pipe with filter sock or sleeve. Use where trenches require continuous drainage.
- Reinforcement to be specified in design drawings. Minimum reinforcement to be 0.4% of concrete cross section placed centrally with 65mm minimum cover.
- Geotextile wrapping of bedding sand may be ordered in silt or clay environments.
- Refer to D11 water supply network design guidelines for crossing of service angles.

#### APPLICABILITY TABLE

	BSC	CHRC	GRC	IRC	LSC	MRC	RRC
Applicable	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DICL for road crossing	Yes	Yes	Yes	Yes	No	No	No

REVISIONS	DATE
G REWORK OF TRENCH PROFILES	05/2022
F IRC ADDED	11/2016
E GRC AND LSC ADDED	09/2014
D APPLICATION AMMENDED	01/2013
C BSC ADDED	09/2007
B CMDG REVIEW CHANGES	04/2007

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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)  
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)

### BEDDING AND BACKFILL FOR WATER MAIN CONSTRUCTION

WATER	
STANDARD DRAWING	A3
CMDG-W-040	
REV.	B C D E F G