



## NOTES:

- 1. ALL DIMENSIONS IN MILLIMETERS.
- 2. CONSTRUCT CONCRETE BULKHEADS & TRENCH STOPS AT LOCATIONS SPECIFIED IN THE DESIGN DRAWINGS.
- 3. BULKHEAD AT RETAINING WALL TO BE UNDER WALL.
- 4. KEY CONCRETE BULKHEADS INTO SIDES & BOTTOM OF TRENCH AGAINST A BEARING SURFACE OF UNDISTURBED SOIL
- 5. CONCRETE TO BE CLASS N25.
- 6. DO NOT DEFORM PIPES DURING PLACEMENT OF CONCRETE.
- 7. SEAL BAGS TO PREVENT LEAKAGE OF CONTAINED MATERIAL.
- 8. PROVIDE A CONTINUOUS DRAINAGE PATH - THROUGH BULKHEADS & TRENCH STOPS
  - AROUND VALVE CHAMBERS
- IN TRENCH EXCAVATIONS ACROSS ROADWAYS TRENCH DRAINAGE TO BE IN ACCORDANCE WITH WSA03-2002 WAT-1210.
- 9. COMPRESSIBLE MEMBRANE AROUND PIPE TO BE 10mm THICK RUBBER FOR BULKHEADS & 3mm THICK FOR TRENCH STOPS.
- 10. FOR SLOPES >30% CONTINUOUSLY ENCASE THE PIPE TO PREVENT MOVEMENT & TRANSFER OF GROUND WATER. WRAP JOINTS TO PREVENT DAMAGE TO RRJ.

E	ANCHOR BLOCK COVER DIMENSION AMENDED & NOTE No.9 AMENDED	S.K.J	01.2019
D	ROAD CROSSING BULKHEAD DETAIL REMOVED & NOTE No.3 REMOVED	G.P.C.	12.2013
С	BULKHEAD HEIGHT ABOVE PIPE AMENDED	G.P.C.	10.2013
В	REINFORCEMENT NOTES AMENDED	G.P.C.	09.2012
Α	ORIGINAL ISSUE	G.P.C.	10.2010
ISSUE	AMENDMENT DETAILS	INITIALS	DATE

0 mm 10 mm 20 mm 30 mm 40 mm 50 mm

TRENCH STOP DETAIL

SCALE 1:20 (A3)

150 mm



DESI	GN UNIT
COUNCIL OF TUMBULGUI MURWILLUN NEW SOUTH	M ROAD,
PHONE FAX WEBSITE	02 6670 2400 02 6672 7513 www.tweed.nsw.gov.au

	10		
ESIGN ENGINEER		9.12.13	PF
ESIGN MANAGER	P. Margo DATE 20	<u>).12.1</u> 3	
RAWN	ENGINEERING & OPERATIONS DESIGN UNIT		PL
CALE	1:20 (A3)		

SECTION

SCALE 1:20 (A3)

2.13	PROJECT:
دی	WATER SUPPLY STANDARDS
2.13	VIATER OUT ET OTANDARDO
	N AN TITLE.
	PLAN TITLE:
	TRENCH DRAINAGE BULKHEADS & TRENCH STOPS
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S.D. 341 **JAN 2014** 

WING NUMBER:

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