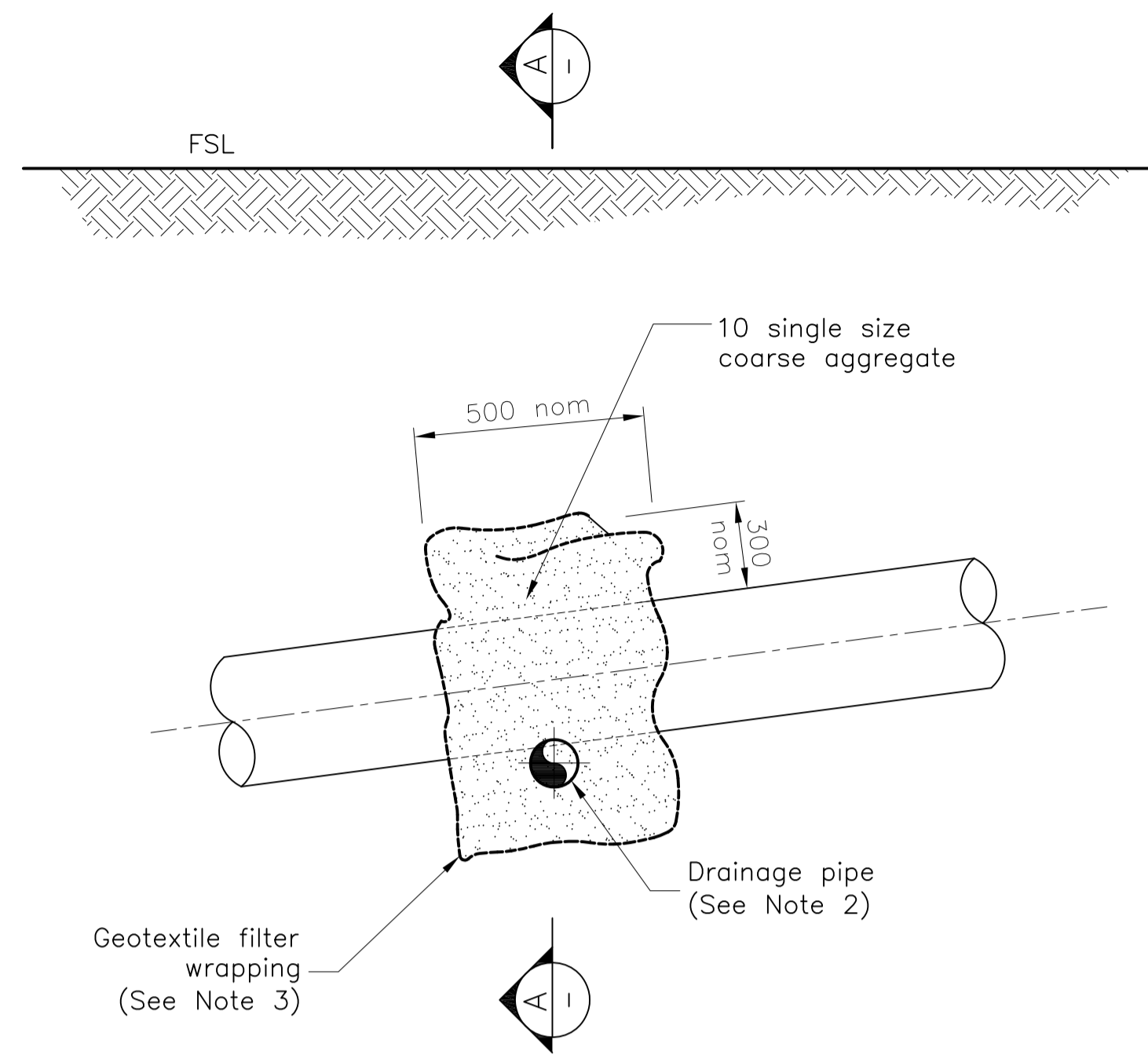


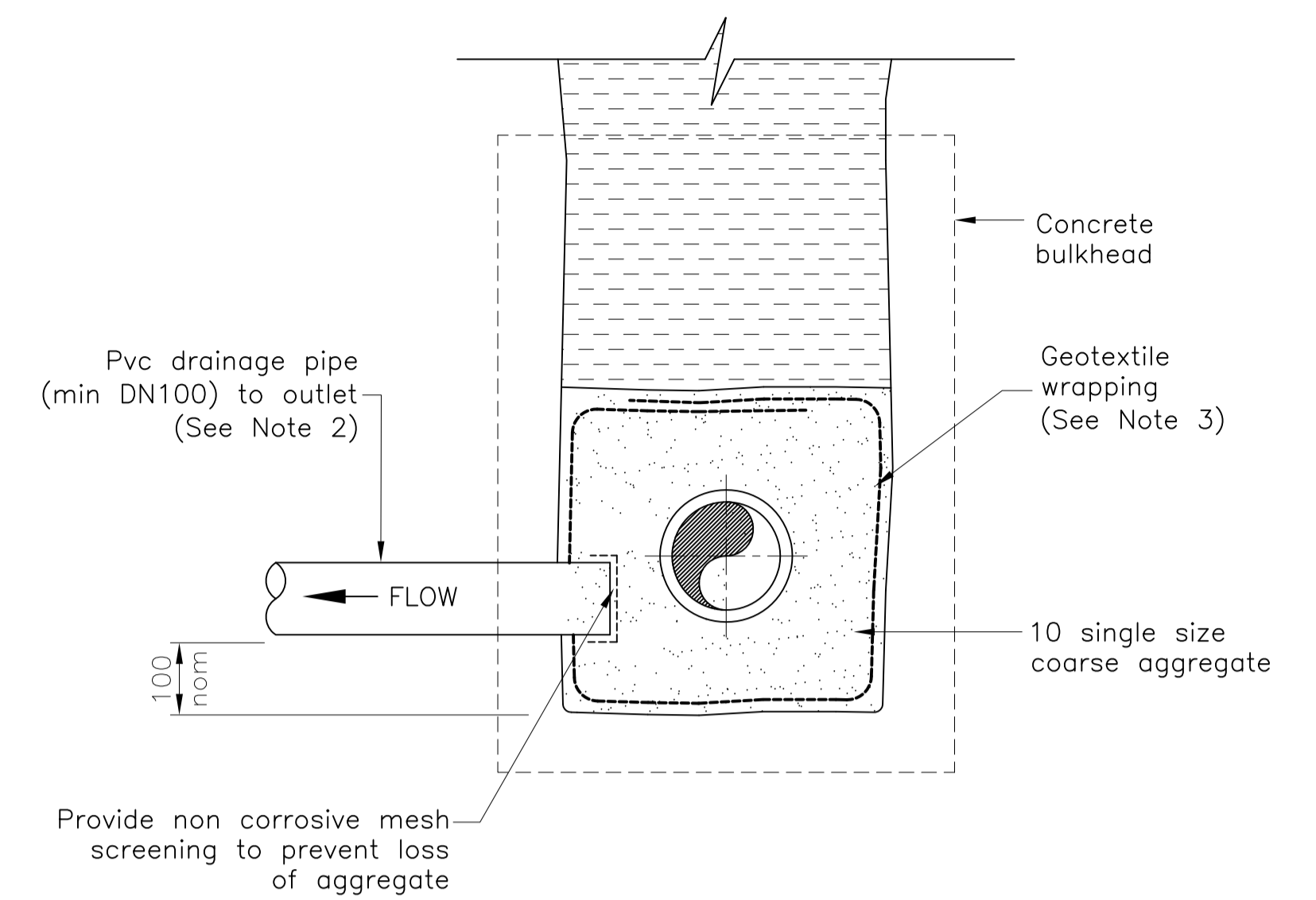
ELEVATION

DRAINAGE SYSTEM WITH BULKHEADS



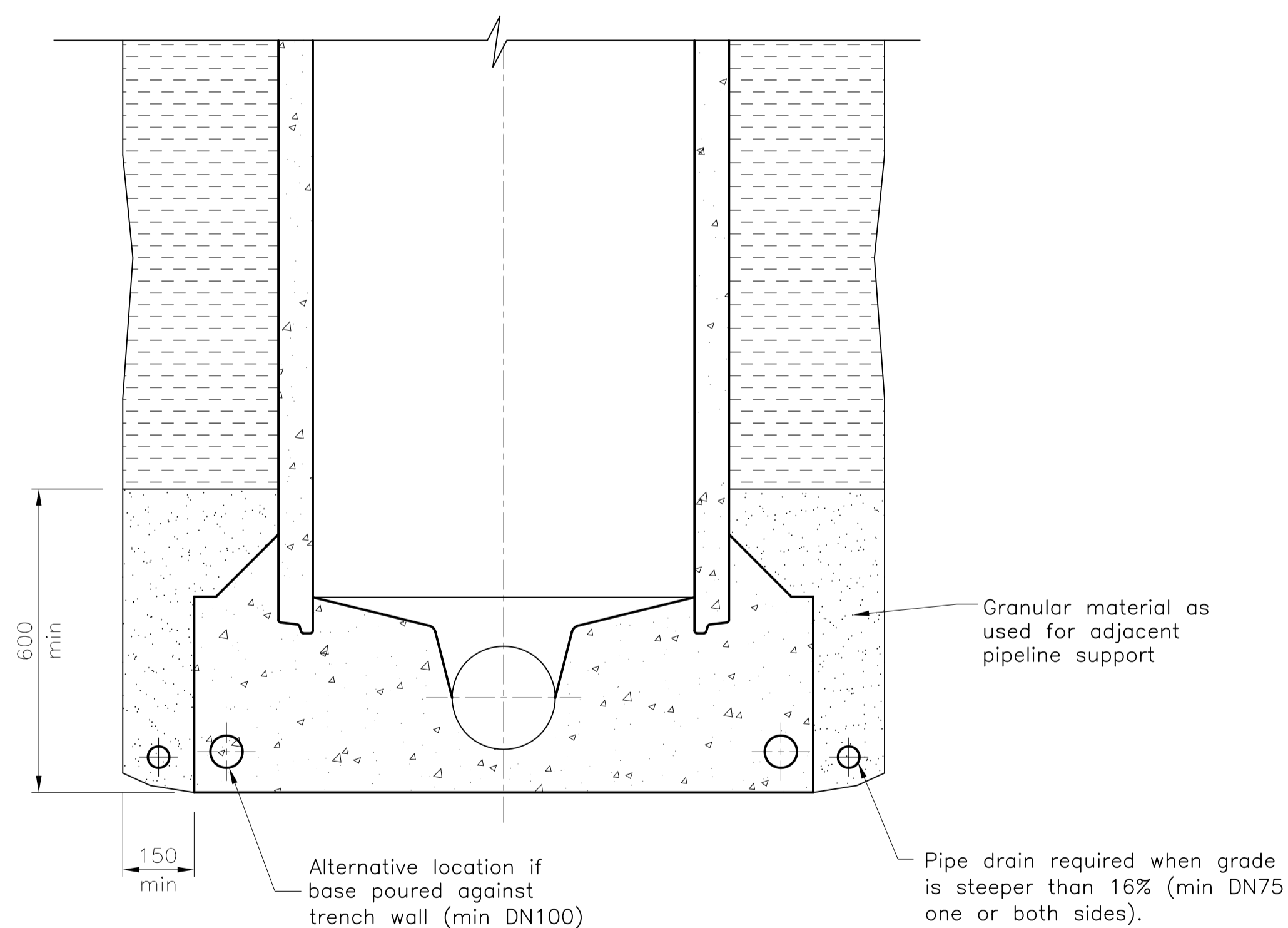
ELEVATION

DRAINAGE SYSTEM WITHOUT BULKHEADS

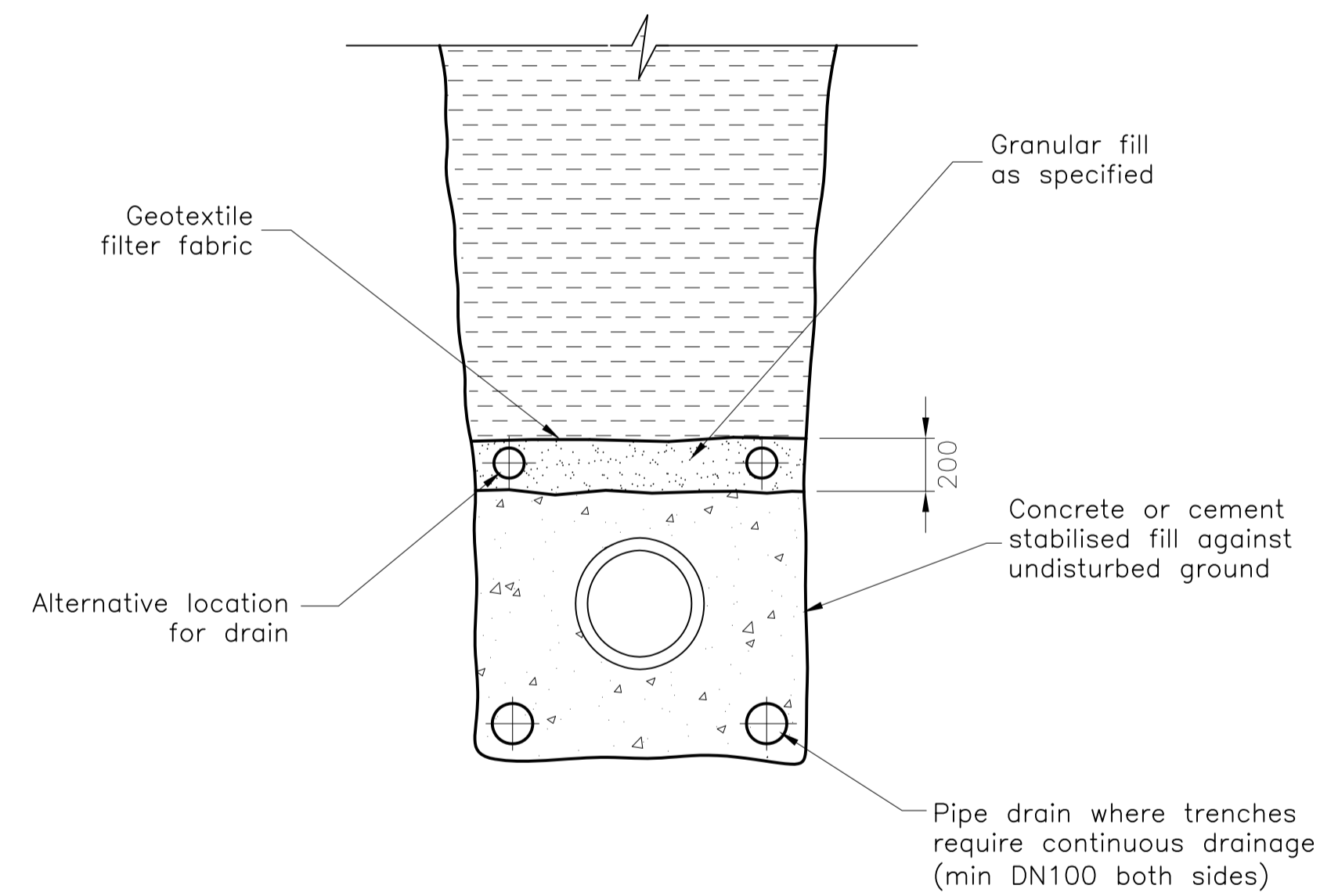


SECTION A-A

TYPICAL DISCHARGE SYSTEM FOR PIPE TRENCHES



DRAINAGE PAST MAINTENANCE HOLES



TRENCH DRAINAGE FOR CONCRETE ENCASEMENT/STABILISATION

NOTES

1. All dimensions in millimetres.
2. Drainage pipes to discharge into authorised water discharge areas as detailed in design drawings.
3. Lay geotextile filter fabric in trench to fully encapsulate the drainage material (coarse aggregate). Provide minimum of 250 lap at all filter fabric joints. Use drainage systems as specified where sewer is laid at a grade of  $\geq 16\%$
4. Provide continuous drainage path
  - Through bulkheads
  - Around maintenance structures
  - In trench excavations across roadways

NOTES : BASED ON FORMER WSAА DRAWING SEW-1207

Full Size A1

DRAWN: DESIGN OFFICE

CHECKED: D. MOSELEY

Not to Scale

Design Engineer Approved: Original signed by P. TURL

Date: 26/07/2012

Manager Approved: Original signed by P. MENDIOLEA

Date: 26/07/2012



Ph: (07) 4727 9000  
www.townsville.qld.gov.au

TRENCH DRAINAGE  
TYPICAL SYSTEMS

STANDARD  
DRAWING  
SEWERAGE

SD-483 | A

No.	DATE	DESCRIPTION	AP'D
A		ORIGINAL ISSUE	
		REVISIONS	