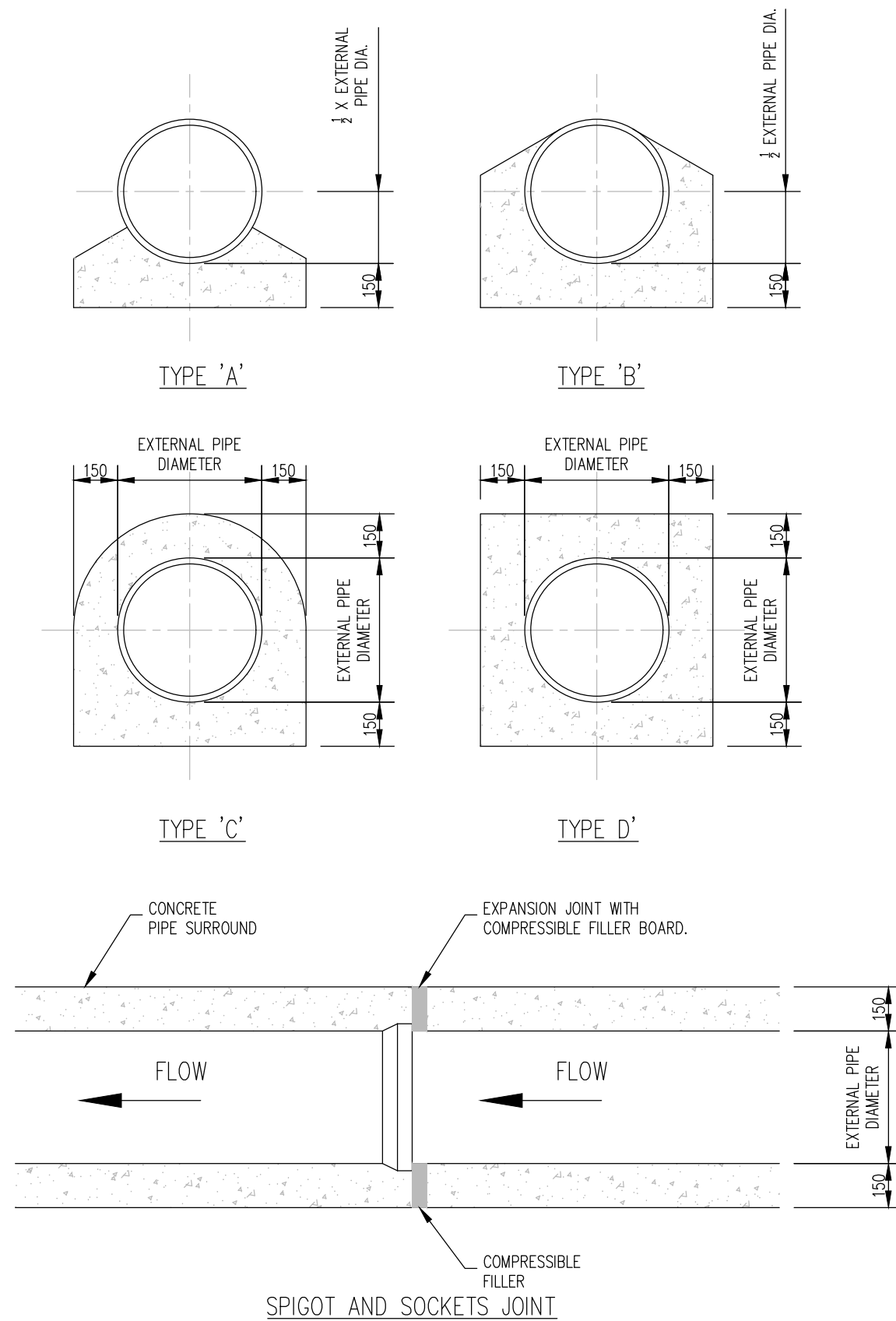


NOTES: WHERE THE 1 ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE. DEPTH OF 2 THE MINIMUM DEPTH OF COVER FROM THE FINISHED SURFACE TO THE CROWN OF GRAVITY PIPES WITHOUT PROTECTION SHOULD SOFT BE AS FOLLOWS: MATERIAL

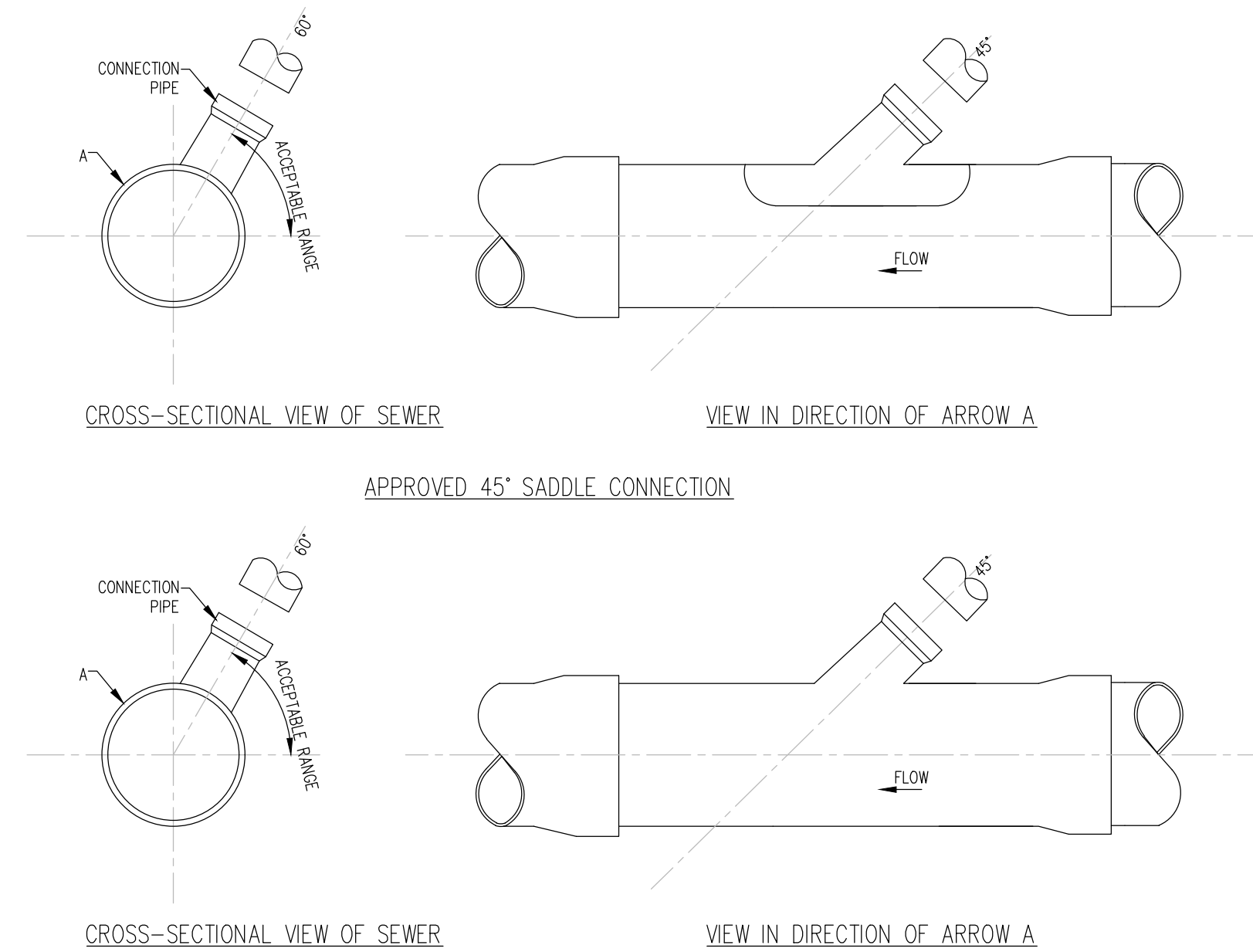
- [illegible]

PIPE DIAMETER 'A' (mm)	DEPTH OF BEDDING 'C' (mm)
< 80 RISING MAIN	< SEE NOTE 10.
< 100	100
150 – 450	200
600	200

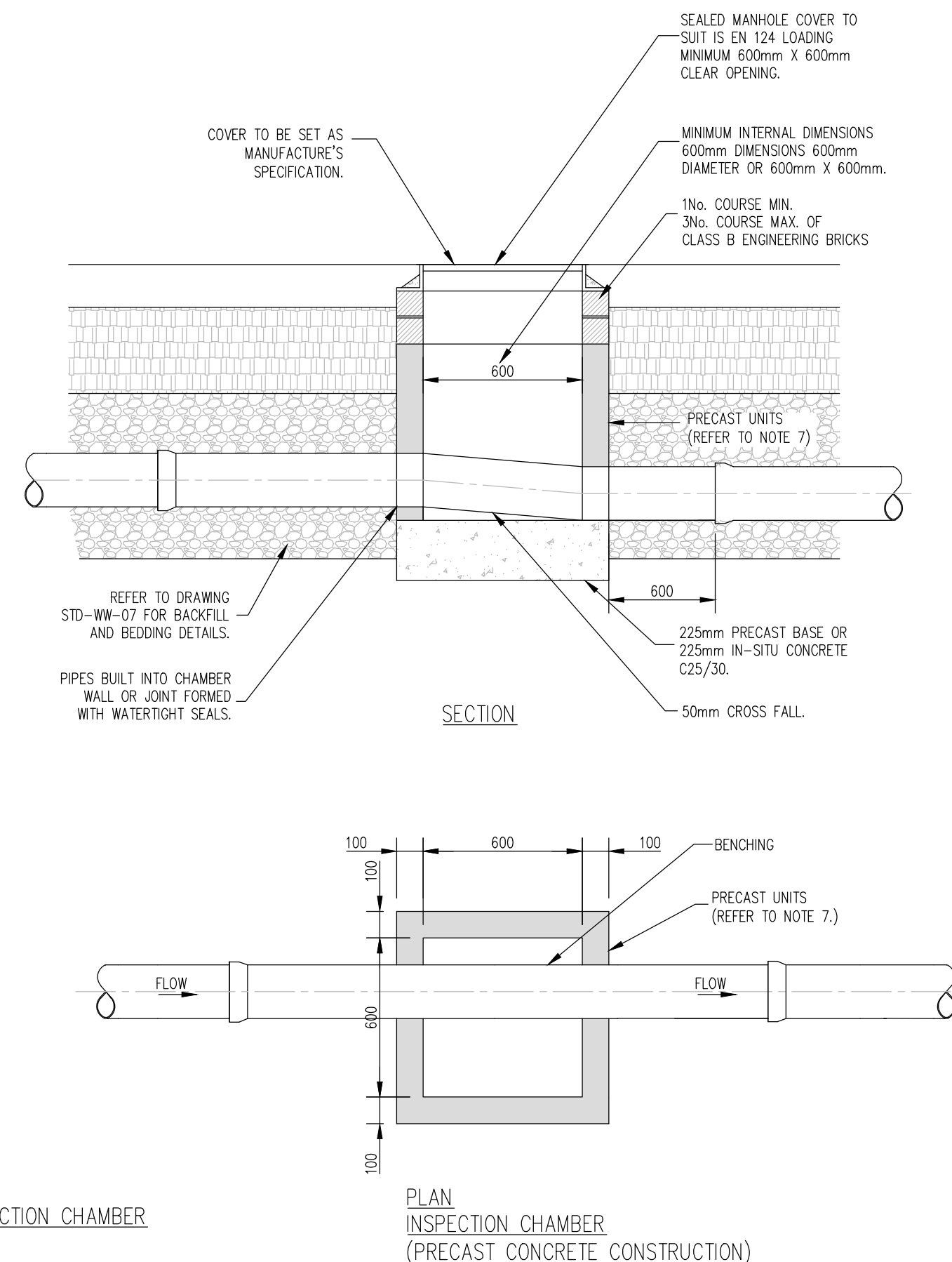
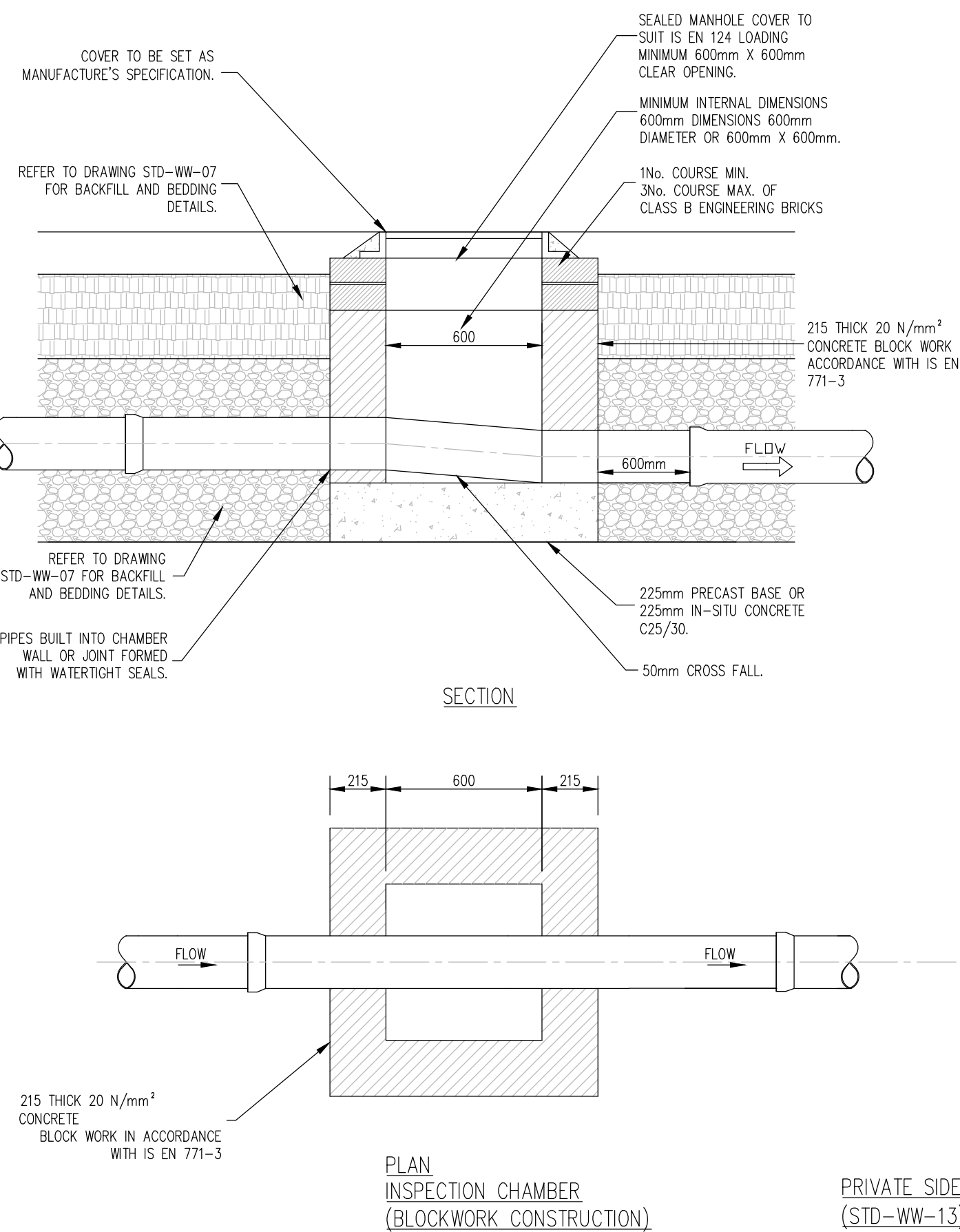
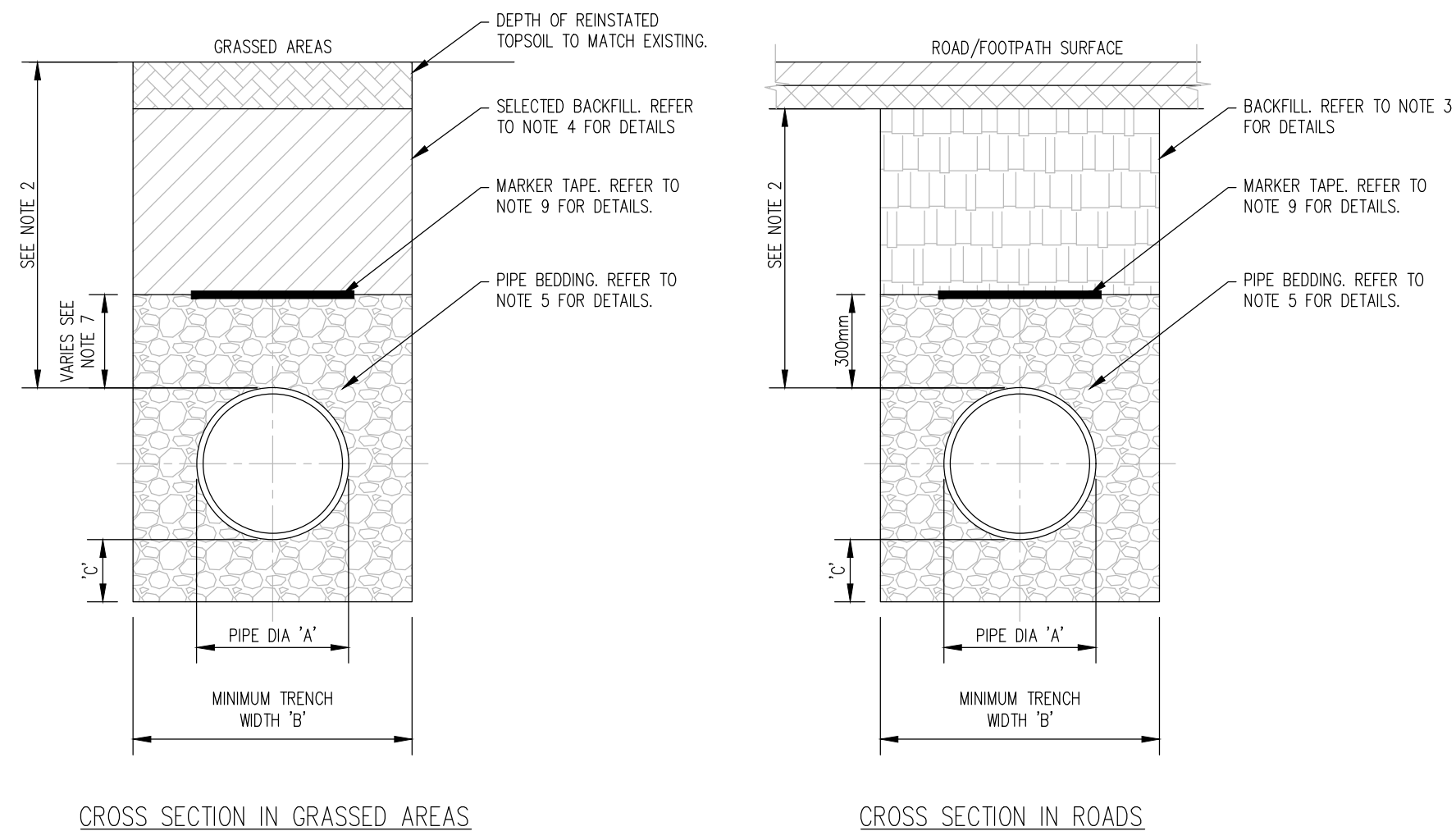
PIPE DIAMETER 'A' (mm)	TRENCH WIDTH 'B' (mm)
< 80 RISING MAIN	< SEE NOTE 10.
100	500
150	600
200	600
250	750
300	750
350	750
400	900
450	900
600	1250



- NOTES
1. ALL DIMENSIONS ARE IN MILLIMETERS (mm)  
UNLESS NOTED OTHERWISE.
2. CONCRETE PIPELINE BEDS AND HAUNCHES MAY BE REQUIRED AT EXISTING MINIMUM COVER AND SHALL BE SUBMITTED FOR SUBMITTAL REVIEW, SUBMISSION AND ASSESSMENT BY IRISH WATER BEFORE ADVANCING WITH THE WORKS.
3. CONCRETE BEDS AND HAUNCHES SHALL HAVE A MINIMUM THICKNESS OF 150MM WITH AN ABSOLUTE MINIMUM DEPTH OF COVER ABOVE THE CONCRETE BEDS AND HAUNCHES OF 150MM.
4. CONCRETE TO BE IN ACCORDANCE WITH IS 206 AND TO BE CLASSIFIED C16/20.
5. ALL JOINTS SHALL BE REINFORCED TO BE FORMED USING FORM WORK TO PROVIDE A ROUGH-CAST FINISH.
6. ALL JOINTS IN THE CONCRETE SHALL BE PROVIDED AT ALL PIPE JOINTS TO ALLOW FOR PIPE FLEXIBILITY, COMPRESSIBILITY FILLER BOUND TO THE JOINTS SHALL BE USED IN ACCORDANCE WITH BS EN 622-4 AND TO BE 18mm Thick.
7. POLYETHYLENE PIPES SHALL BE WRAPPED IN AN APPROPRIATE HAUNCHING MATERIAL WITH A COEFFICIENT WITH BS6576 BEFORE BEING CAST INTO CONCRETE.
8. BITUMINOUS MATERIAL SHALL NOT BE PUT IN CONTACT WITH PE OR PVC PIPES.



1. ALL DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS NOTED OTHERWISE.
2. AS FAR AS PRACTICABLE, JUNCTION AND SERVICE CONNECTION SHALL BE BUILT IN FOR ALL PLANNED AND UNPLANNED SEWER LINES TO BE DISCONNECTED OR RELOCATED. WHETHER IT IS NECESSARY TO MAKE A POST-CONSTRUCTION CONNECTION THE DEVELOPER SHALL BRING THE SEWER TO THE INSPECTION POINT AND SHALL THE SEWER BE CHASED AND SEAL THE UPSTREAM END UNTIL THE CONNECTION IS REQUIRED.
3. THE VERTICAL ANGLE BETWEEN THE SERVICE CONNECTION PIPE AND THE HORIZONTAL SHALL BE GREATER THAN 0° AND NOT MORE THAN 60°.
4. WHEN THE CONNECTION IS BEING MADE TO A SEWER WITH A NORMAL INTERNAL DIAMETER OF 300mm OR GREATER, THE CONNECTIONS SHALL BE MADE USING 45° ANGLE JUNCTION.
5. WHEN THE CONNECTION IS BEING MADE TO A SEWER WITH A NORMAL INTERNAL DIAMETER GREATER THAN 300mm:
  - A) IF THE DIAMETER OF THE CONNECTION PIPE IS GREATER THAN HALF THE DIAMETER OF THE SEWER, AN ACCESS MANHOLE SHALL BE CONSTRUCTED TO THE JOINT CONNECTION POINT.
  - B) IF THE DIAMETER OF THE CONNECTION PIPE IS LESS THAN OR EQUAL TO HALF DIAMETER OF THE SEWER, THE CONNECTION SHALL BE MADE USING A PRE-FABRICATED JOINT. THE JOINT SHALL BE BUILT BETWEEN THE SADDLE AND THE CONNECTION SEWER/DRAIN.
6. CONNECTIONS MADE WITH THE SADDLE FITTINGS SHALL BE MADE BY CUTTING AND SAFELY REMOVING A FIT FROM THE PIPE AND JOINING THE SADDLE TO THE PIPE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO ENSURE A WATER TIGHT JOINT. THE CONNECTION SHALL NOT PROTRUDE INTO THE SEWERS.



- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES (MM) UNLESS NOTED OTHERWISE.
2. AN INSPECTION CHAMBER SHOULD BE LOCATED AT OR WITHIN 1M OF THE PROPERTY BOUNDARY ON THE UPSTREAM END OF EACH SERVICE CONNECTION ON THE PRIVATE SIDE OF THE CURTILAGE, IF PRACTICABLE.
3. ANY PIPE AND ASSOCIATED ACCESS EQUIPMENT OF THE PROPERTY CONNECTION TO A PUBLIC SEWER OR A PRIVATE DRAIN AND SHOULD BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING REGULATIONS.
4. ACCESS POINTS SHOULD BE LOCATED SO THAT THEY ARE ACCESSIBLE AND APPARENT TO THE MAINTENANCE AT ALL TIMES FOR USE. THEY SHOULD AVOID REAR GARDENS OR ENCLOSURE GARDENS & THEY SHOULD NEVER BE OVERLAIN WITH FURNITURE DRESSING, TROPICAL, ETC.
5. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO APPROVAL FROM IRISH WATER.
6. 200mm ALL ROUND, 100mm DEEP CONCRETE PLINTH WITH PROTECTIVE STAINLESS STEEL METAL BAND AROUND COVERS IN GREEN AREAS.
7. PROPERTY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED SUBJECT TO APPROVAL FROM IRISH WATER.
8. COMPACTED CHAMBER SHALL BE SURROUNDED BY A MINIMUM OF 100MM COMPACTED CLAUSE 804 OR CLAUSE 806 MATERIAL AS PER STD-WW-07.

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- ## NOTES
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Architect:	COADY ARCHITECTS				
Project	DEVELOPMENT AT DEVROY BARRACKS, NAAS				
Title	Drainage Details Sheet 2 Of 3				
Dwg. No.	DEV-CSC-00-XX-DR-C-0111				
Date	Dwn by	Chkd by	Apprd by	Scale	Revision
SEPT '20	AB	GL	NB	AS SHOWN @ A1	<b>P01</b>

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Quality	ISO EN ISO 9001:2008
Environment	ISO EN ISO 14001:2004
Energy	ISO EN ISO 50001:2011
Health & Safety	OHSAS 18001:2007

