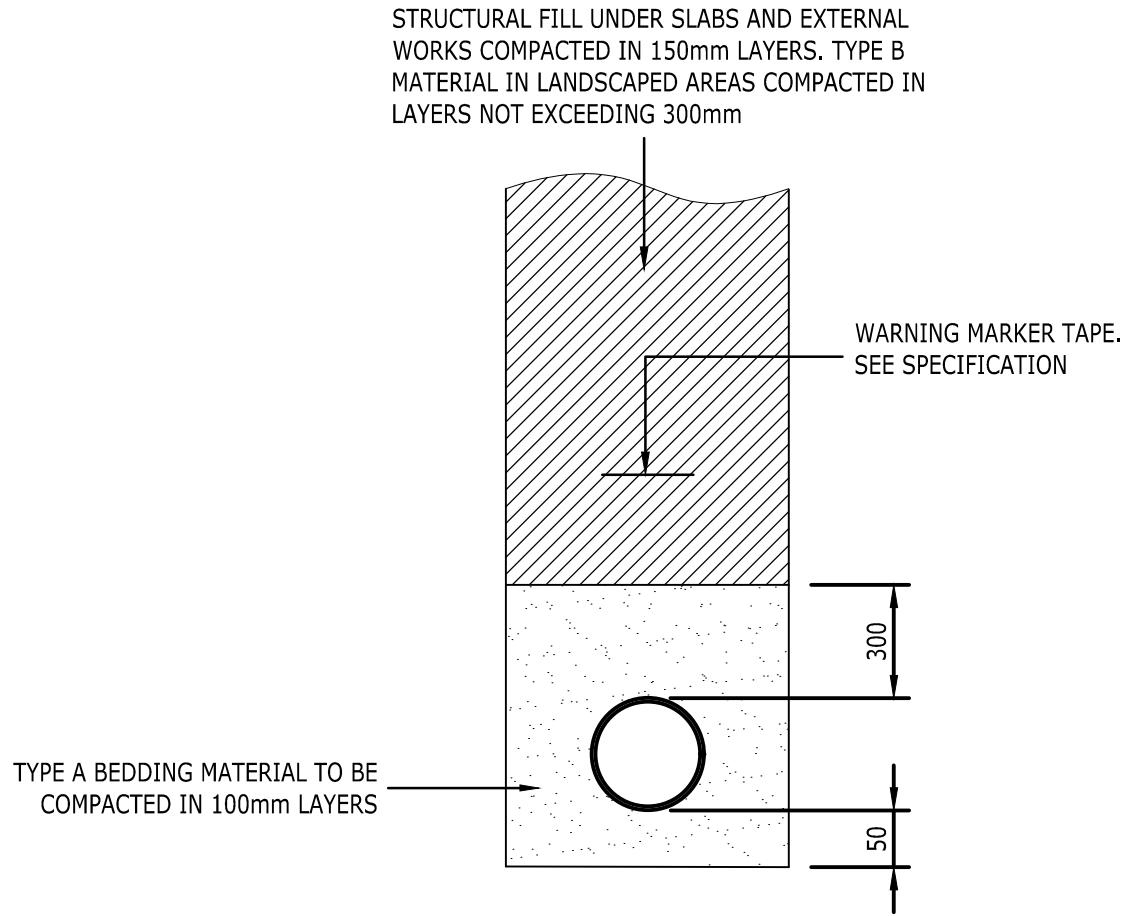
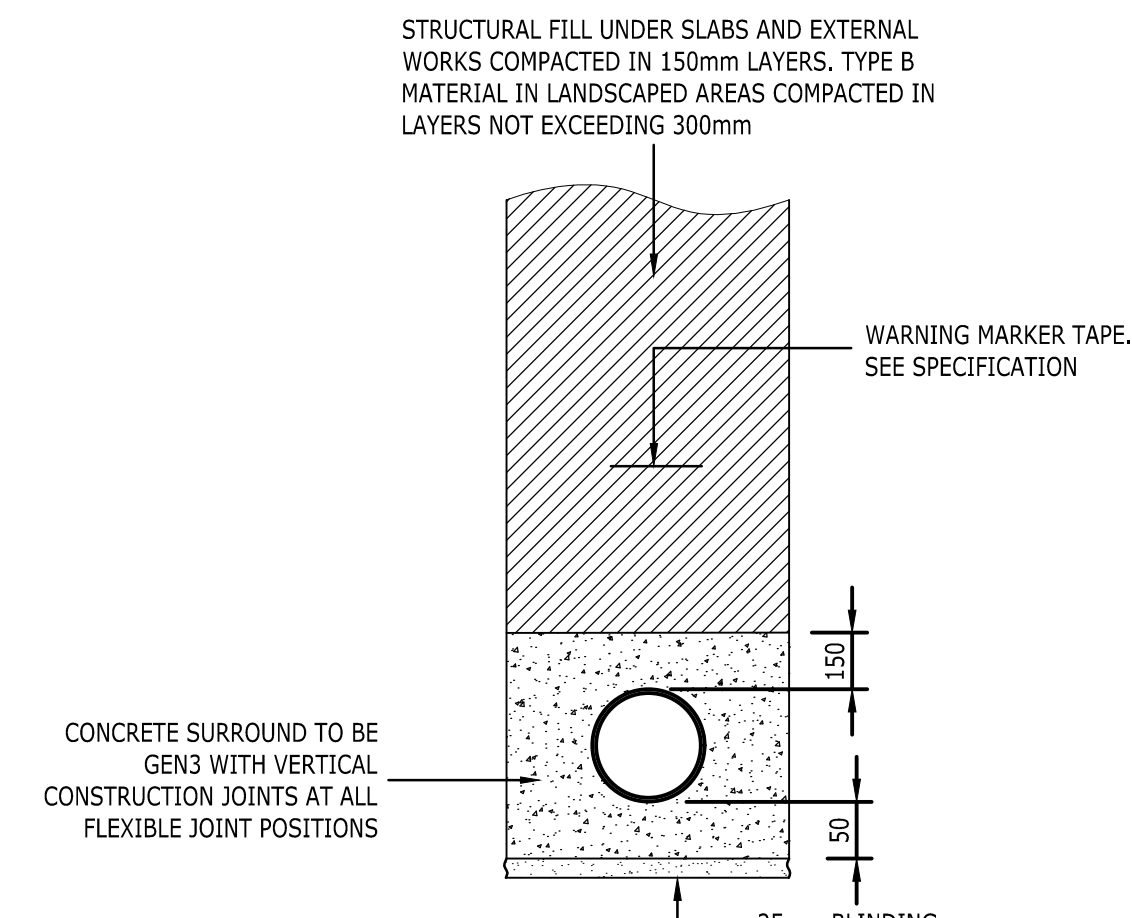




CLASS S
TO BE USED WHERE DEPTH OF COVER TO PIPE IS GREATER THAN 1200mm



CLASS Z
TO BE USED WHERE DEPTH OF COVER TO PIPE IS LESS THAN 1200mm

PIPE BEDDING NOTES:

- ALL MATERIALS SHALL COMPLY WITH THE SPECIFICATION
- TYPE A BEDDING MATERIAL TO BE:-

NOMINAL BORE OF PIPE (mm)	SIZE (mm) SINGLE SIZED	GRADED
100-150	10-15	-
225-300	10, 14 OR 20	14 TO 5 OR 20 TO 5
375-500	14 OR 20	14 TO 5 OR 20 TO 5
OVER 500	10, 20 OR 40	14 TO 5, 20 TO 5, 40 TO 5

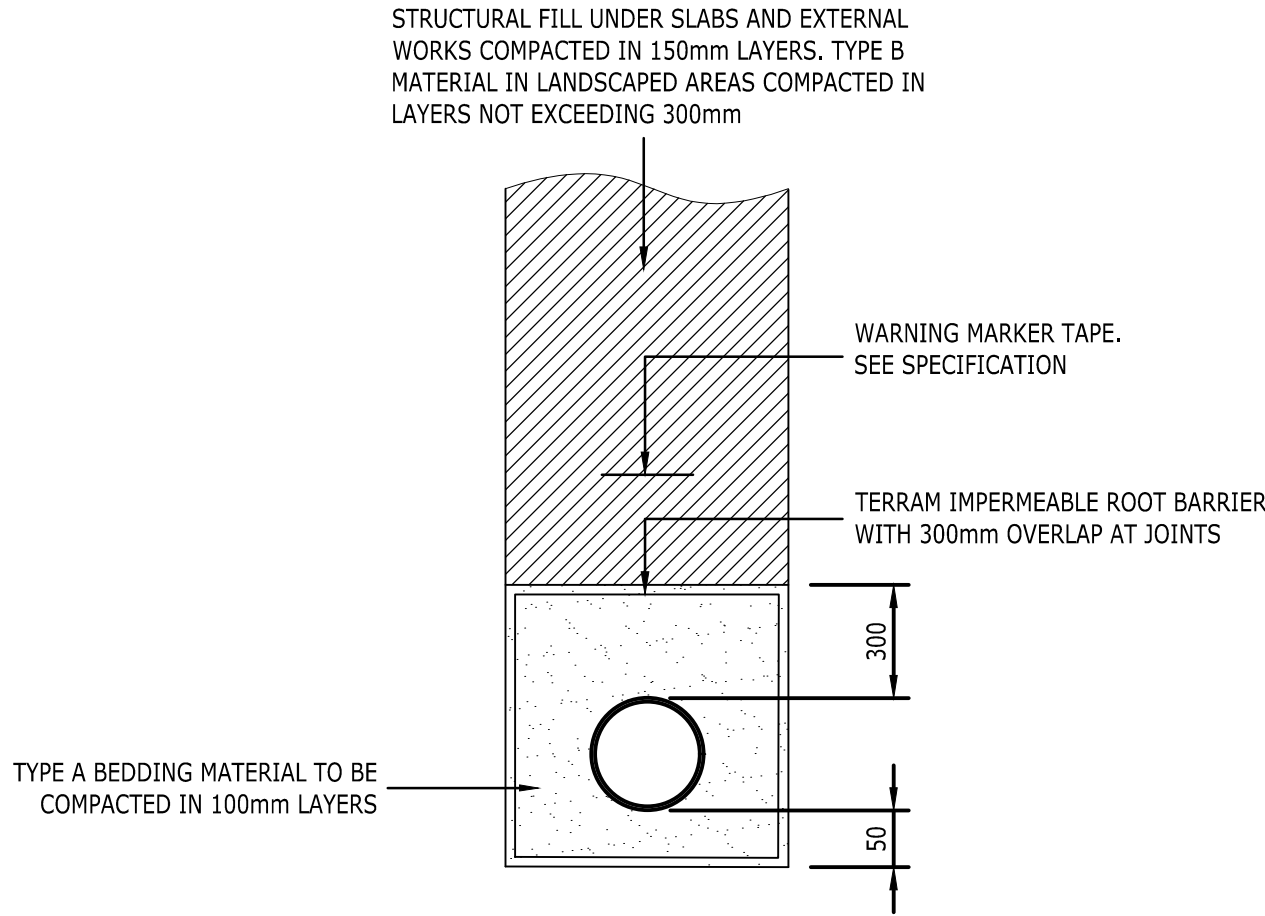
- TRENCH WIDTHS TO BE:-

NOMINAL BORE OF PIPE (mm)	NOMINAL TRENCH WIDTH (METRES)
100	0.55
150	0.60
225	0.70
300	0.75
375	1.05
450	1.15
600	1.20

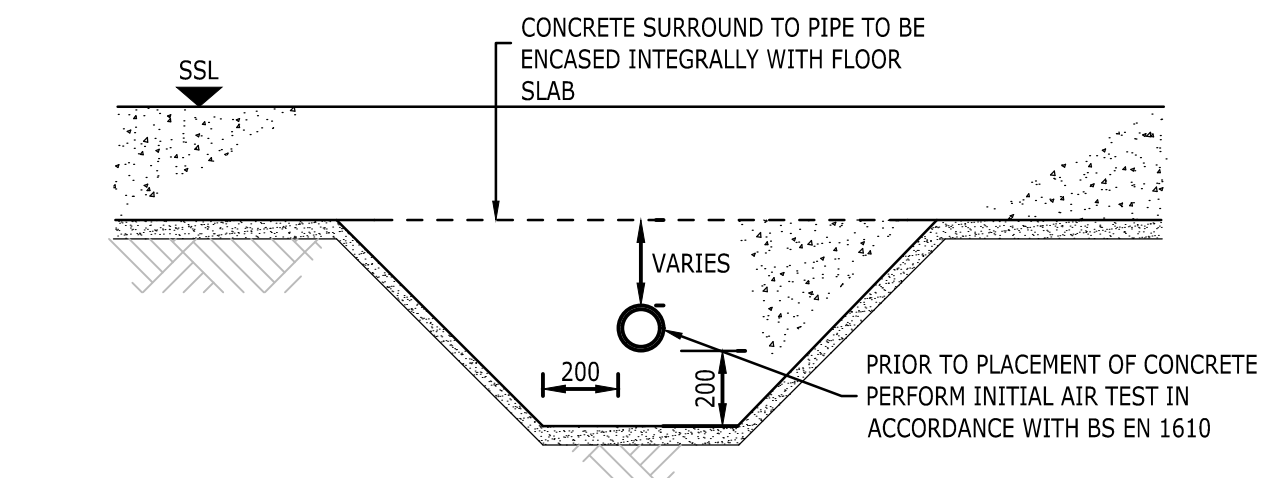
- UNLESS AGREED OTHERWISE STRUCTURAL FILL UP TO FORMATION TO BE MOT TYPE 1
- TYPE B FILL SHALL BE SELECTED OF READILY COMPACTABLE MATERIAL, FREE FROM TREE ROOTS, VEGETABLE MATTER, BUILDING RUBBISH, FROZEN SOIL, CLAY LUMPS OR OTHER MATTER WHICH WOULD BE RETAINED ON A 75mm SIEVE AND STONES WHICH WOULD BE RETAINED ON A 25mm SIEVE

PIPE BEDDING DETAILS

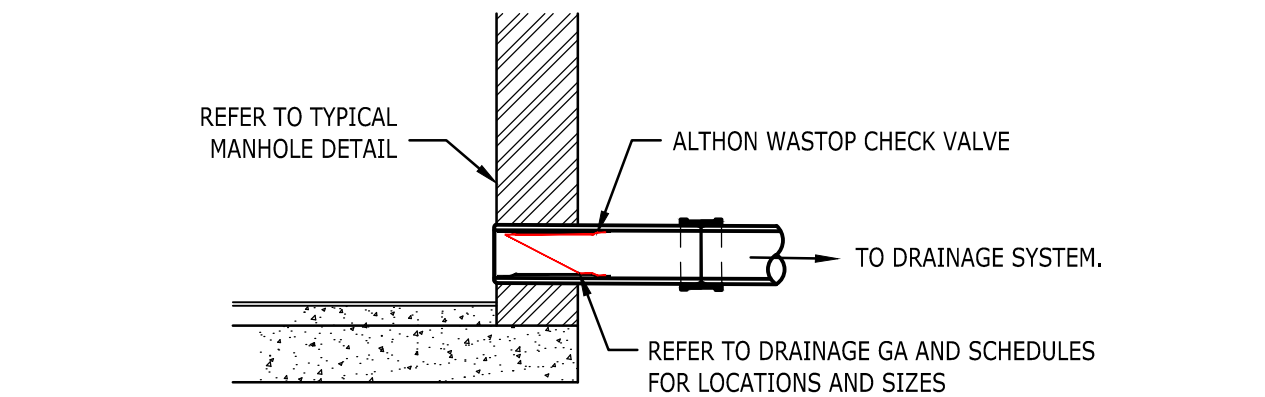
SCALE 1:20



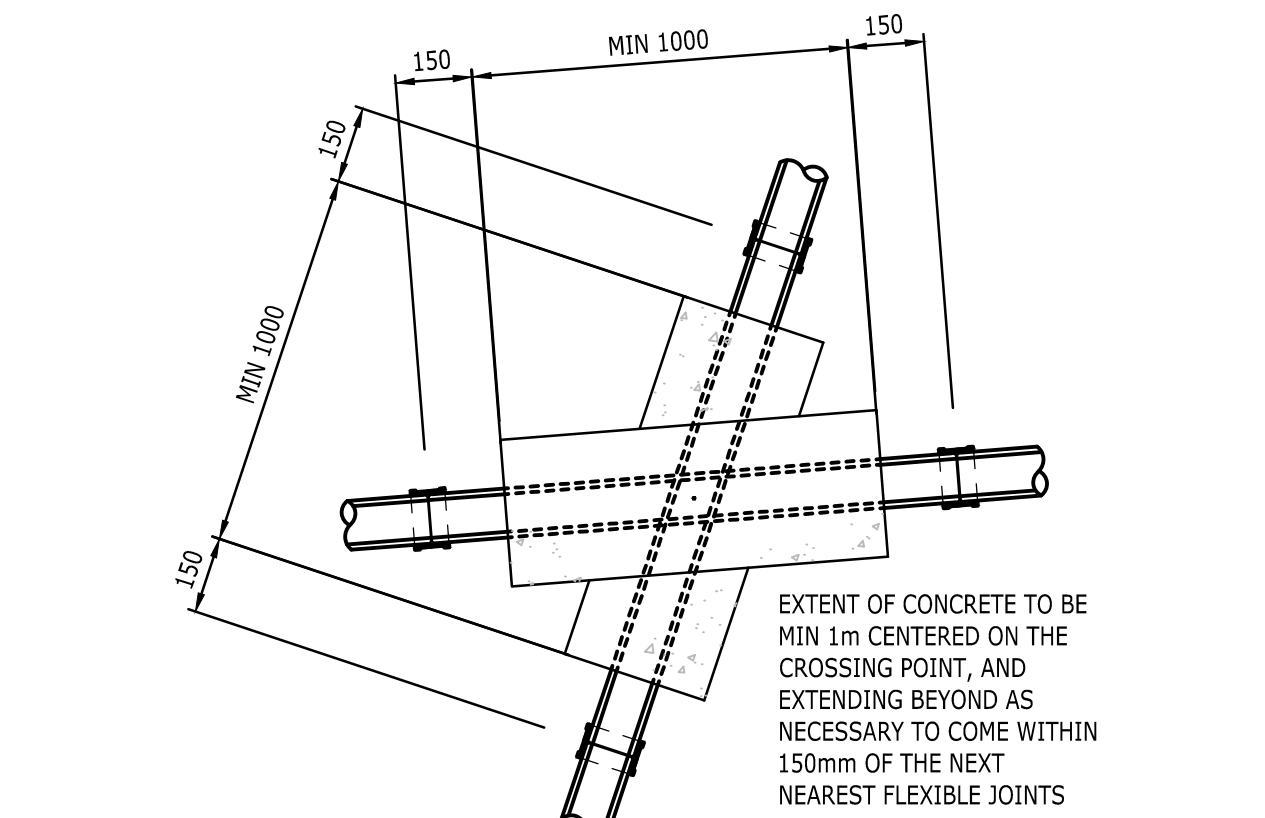
CLASS S (WITH ROOT BARRIER)



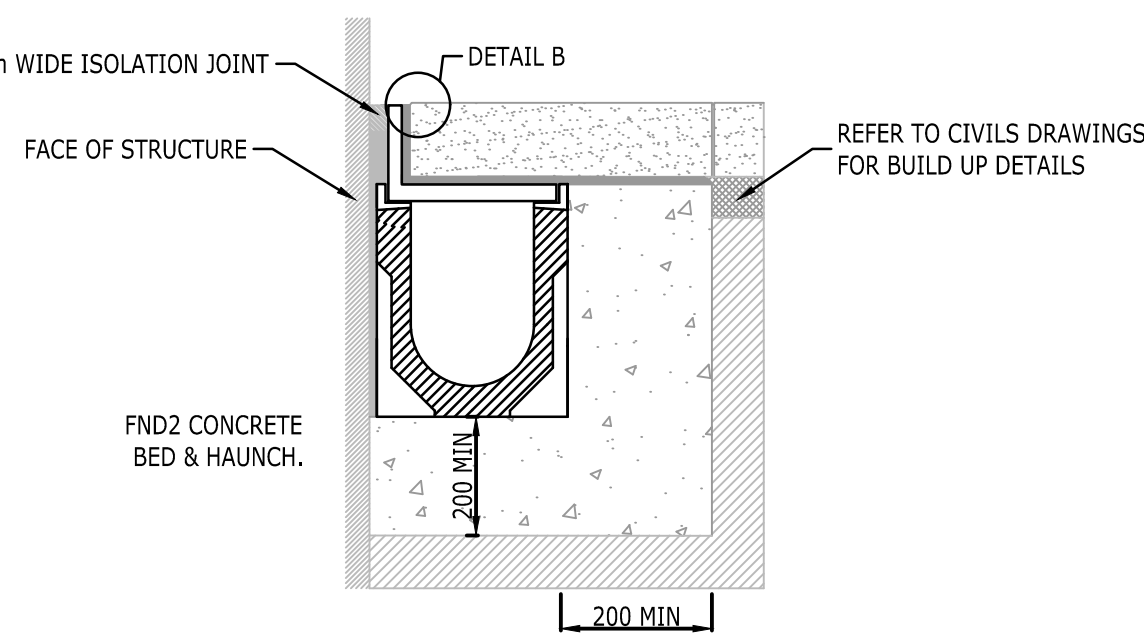
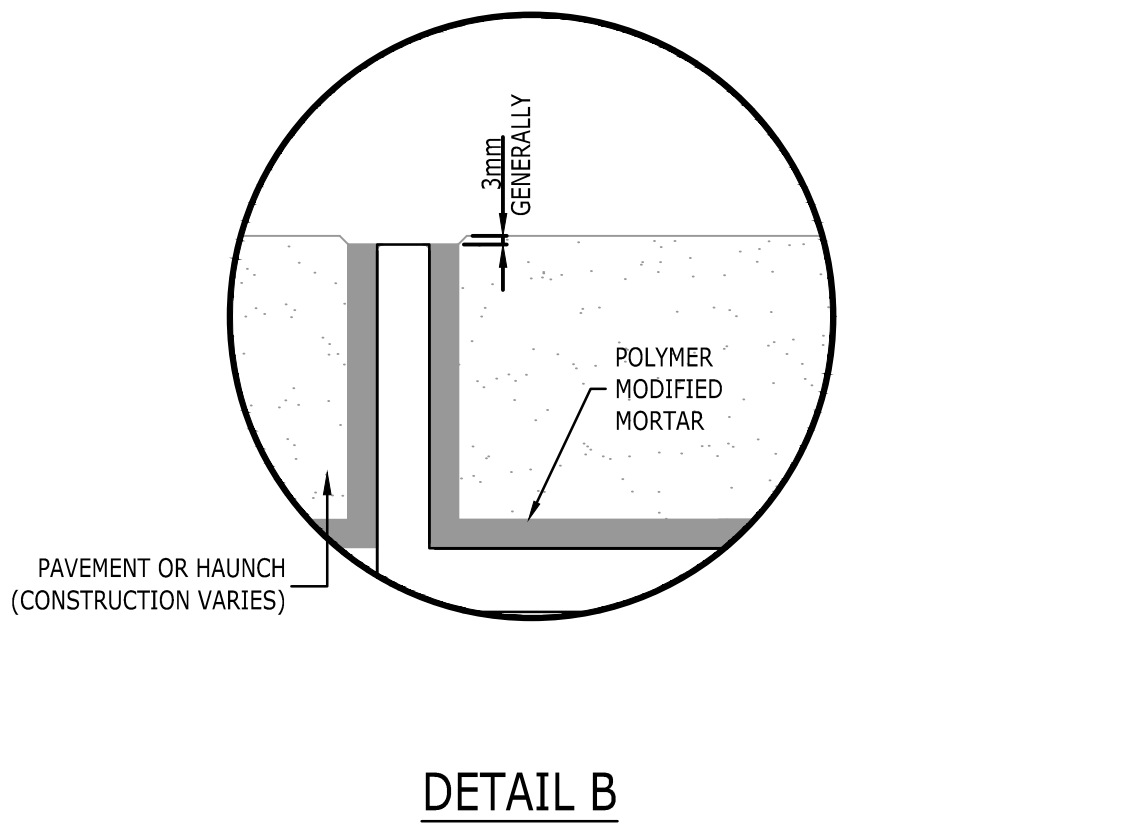
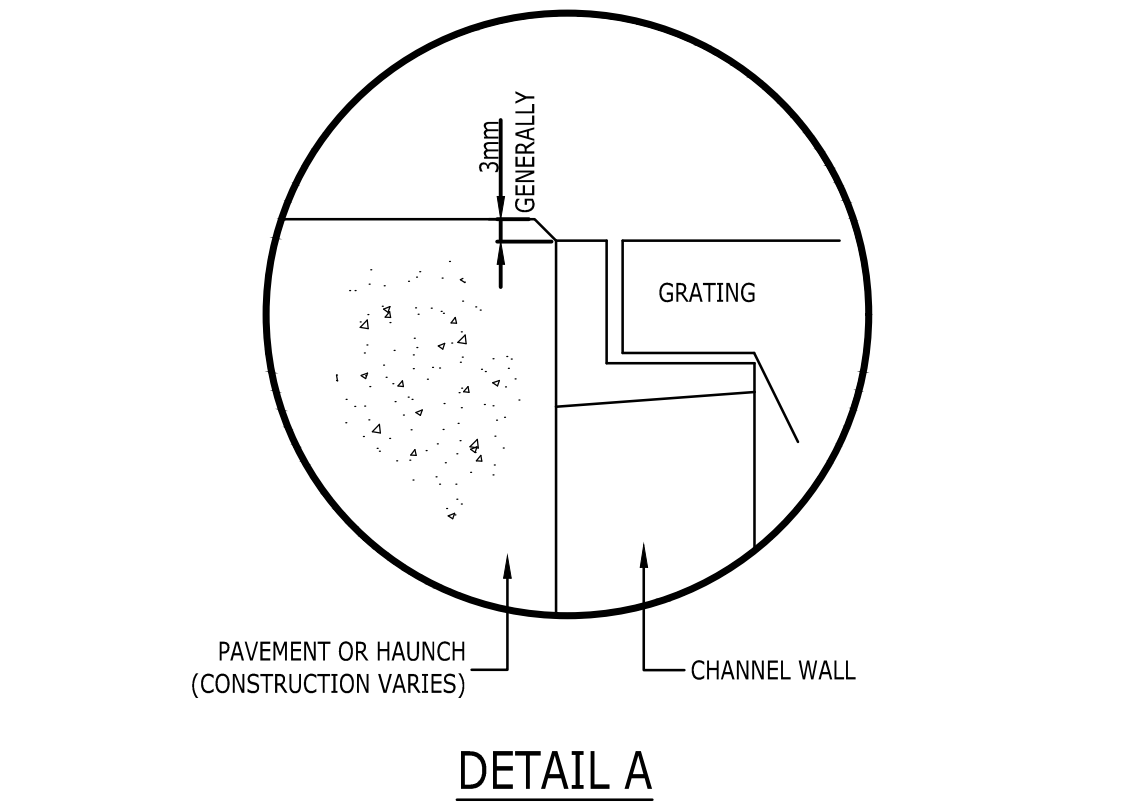
CLASS Y (TO BE USED UNDER GROUND BEARING SLAB)



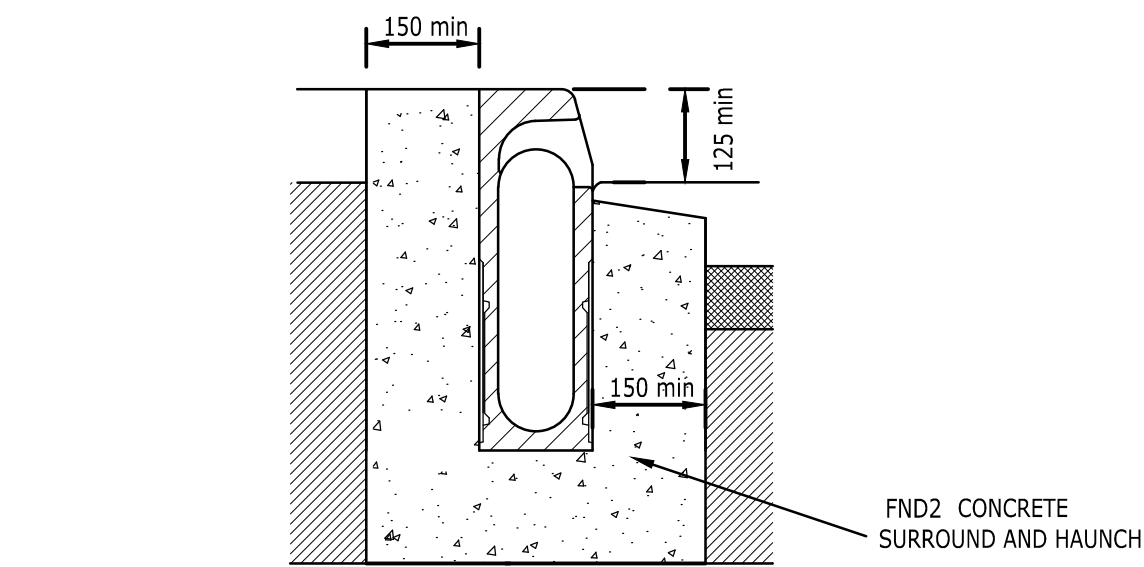
TYPICAL INLINE NON RETURN VALVE DETAIL
SCALE 1:20



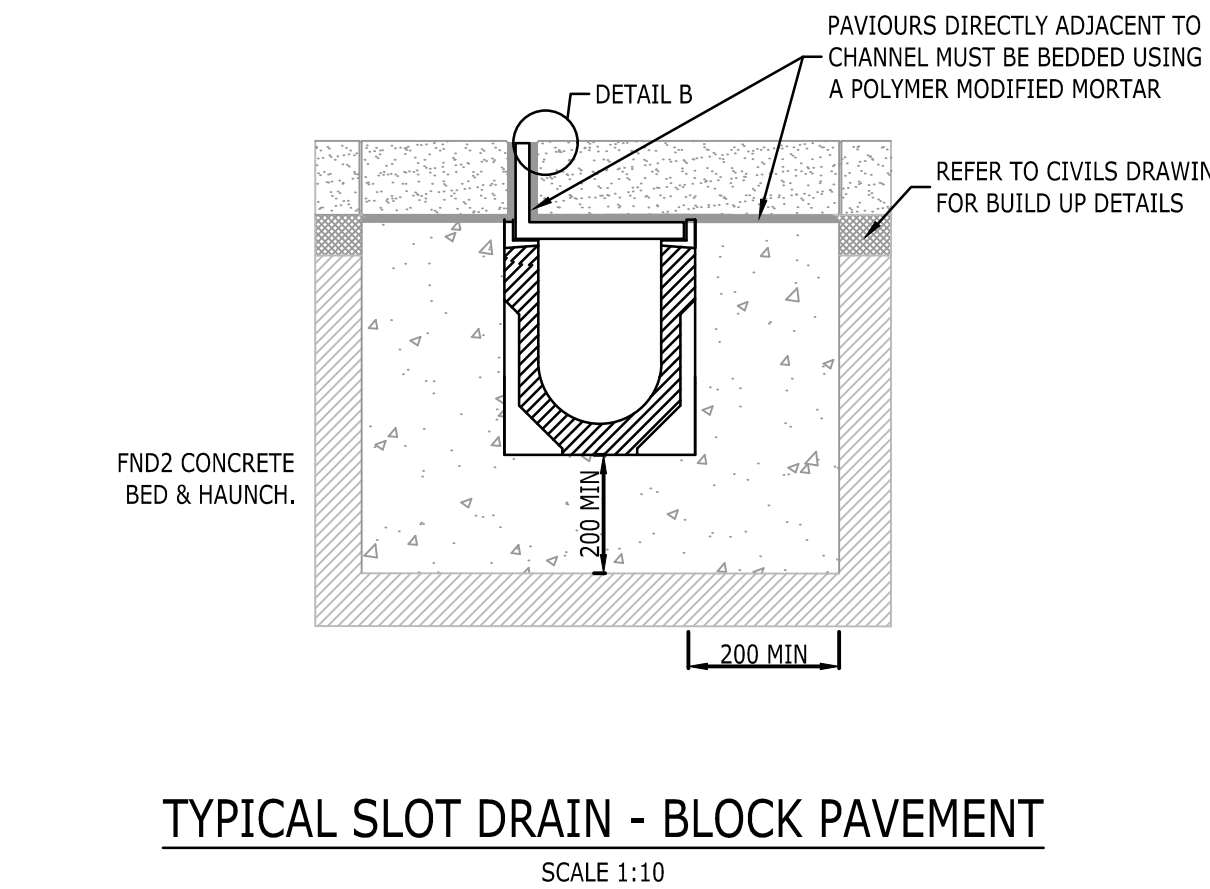
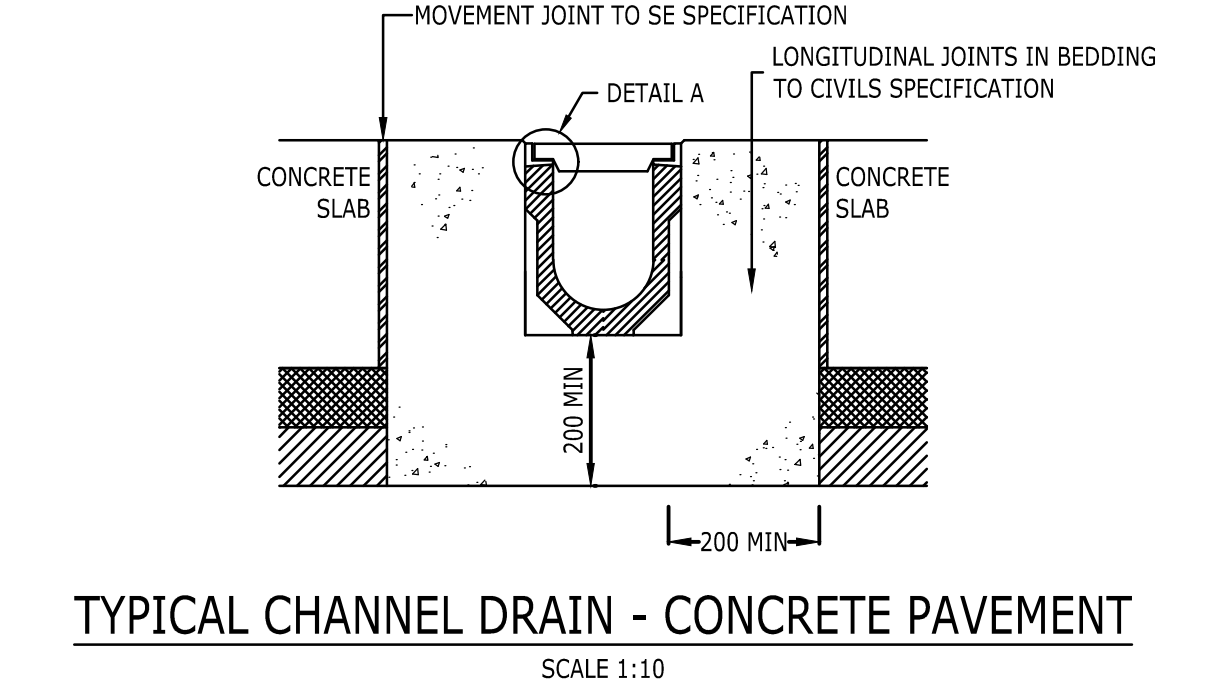
PIPE CROSSING WITH LESS THAN 300mm SEPARATION (PLAN)
NOT TO SCALE



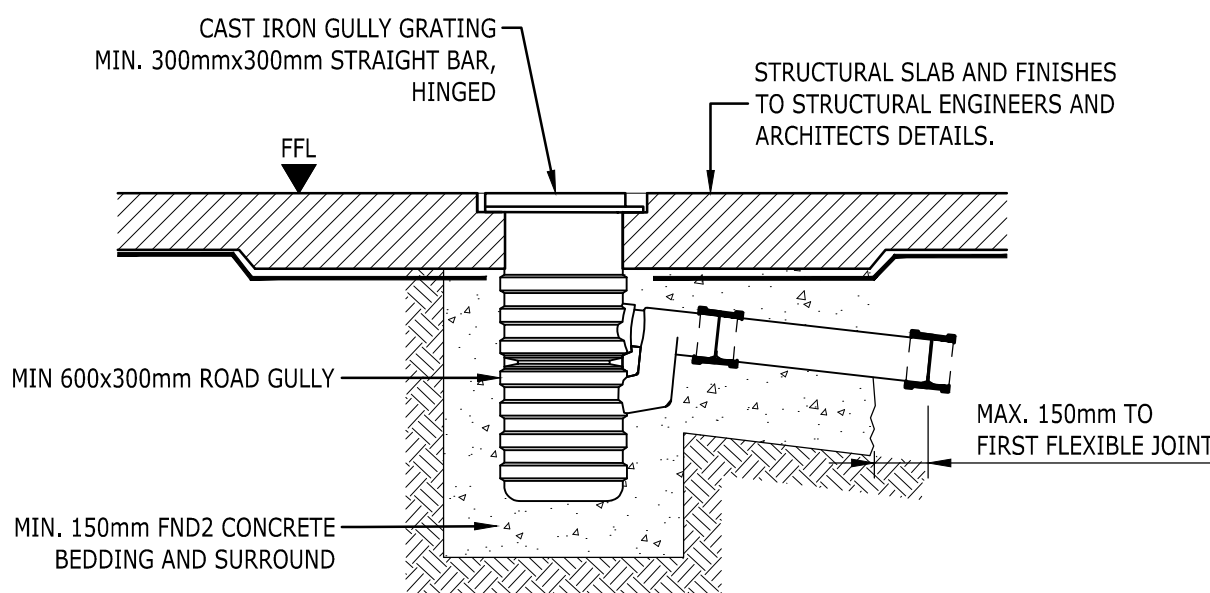
TYPICAL SLOT DRAIN - ADJACENT TO STRUCTURE
SCALE 1:10



TYPICAL KERB DRAIN
SCALE 1:10



- 1.0 SURFACE PROTECTION:** IN ASPHALT PAVEMENTS AVOID CONTACT BETWEEN COMPACTION EQUIPMENT AND CHANNEL/GRATING. THIS MAY BE ACHIEVED BY ENSURING THAT THE FINISHED SURFACE LEVEL LIES ABOVE THE GRATING LEVEL (BY AT LEAST 3mm). STONES SHOULD BE REMOVED FROM GRATING PRIOR TO LAYING/ROLLING WEARING COURSE.
- 2.0 A CHANNEL INSTALLATION IS NOT COMPLETE UNTIL THE FINAL SURFACING IS LAID.** IN ANY TEMPORARY CONDITION, I.E WITH THE CHANNEL WALLS PROJECTING ABOVE AN ASPHALT BASE COURSE OR CONCRETE SUB-BASE, SITE TRAFFIC SHOULD NOT CROSS CHANNELS, LOOSE BOARDS, STONE FILL OR COVER PLATES WILL NOT PROTECT THE CHANNEL WALLS OR GRATING. A TEMPORARY CHANNEL CROSSING SHOULD BE FORMED BY RAISING THE ASPHALT BASE COURSE LOCALLY, TO 3 - 5mm ABOVE GRATING LEVEL, EITHER SIDE OF A CHANNEL FOR A DISTANCE OF 750 TO 1000mm SAY, TO FORM RAMPS. CONCRETE RAMPS SHOULD BE FORMED IN OTHER PAVEMENTS.
- 3.0 ASPHALT PAVEMENT: TOP OF CONCRETE HAUNCH**
Y2 = 35mm MAXIMUM
Y3 = 70mm MAXIMUM
- 4.0 BOLTS:** TO COMPLETE THE INSTALLATION, TIGHTEN THE GRATING FIXING BOLTS TO A TORQUE OF 40NM.



ROAD GULLY - RG
SCALE 1:20

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- Notes
- DO NOT SCALE FROM THIS DRAWING
 - ALL DIMENSIONS ARE MILLIMETRES U.N.O.
 - ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS
 - REFER TO PROPOSED DRAINAGE NOTES DRAWING RAM-XX-ZZ-DR-D-10001 FOR FURTHER DETAILS.

P01	STAGE 3 ISSUE	01/04 2022	CO LS	CK
Rev	Description	Date	By Chk	App

STAGE 3 ISSUE

PLOT 9A FIRST STREET MANCHESTER

RAMBOLL

tel 01244 311855 chester@ramboll.co.uk
www.ramboll.co.uk

STANDARD DRAINAGE DETAILS SHEET 3

Project No:	Scale (@A1):	Drawn:	Date:
1620002943	A/S	CO	MAR 22
Drawing No:	Rev:		
RAM-XX-ZZ-DR-D-10402	P01		