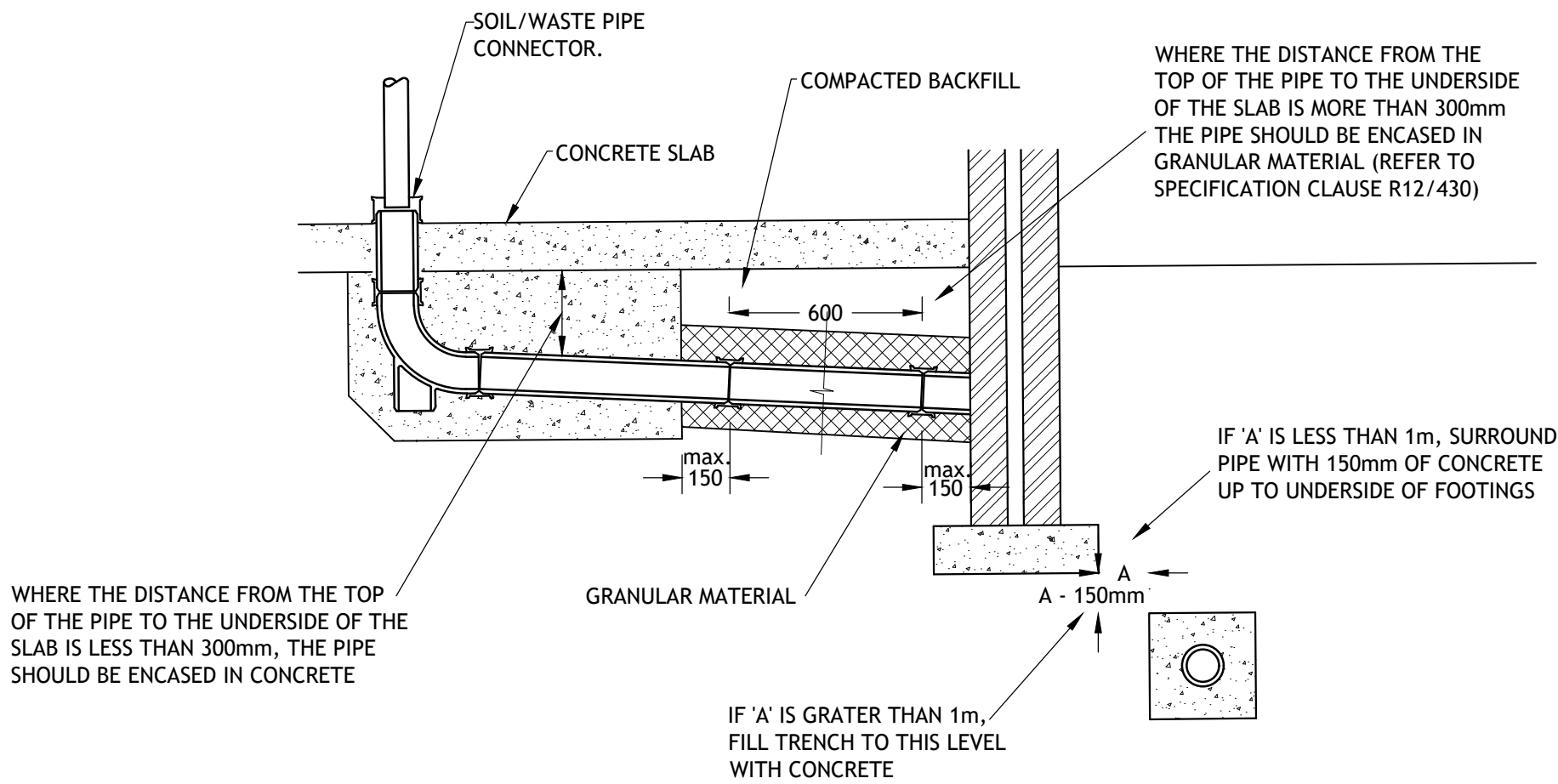
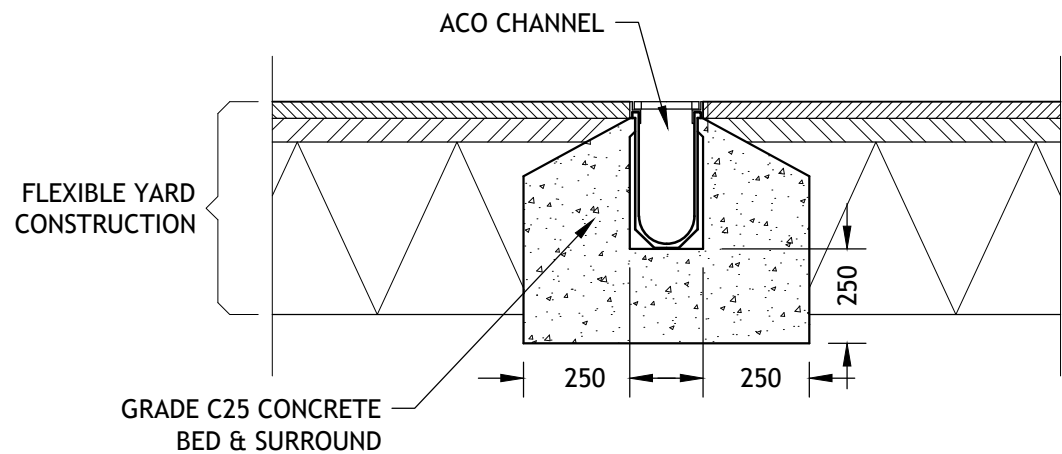
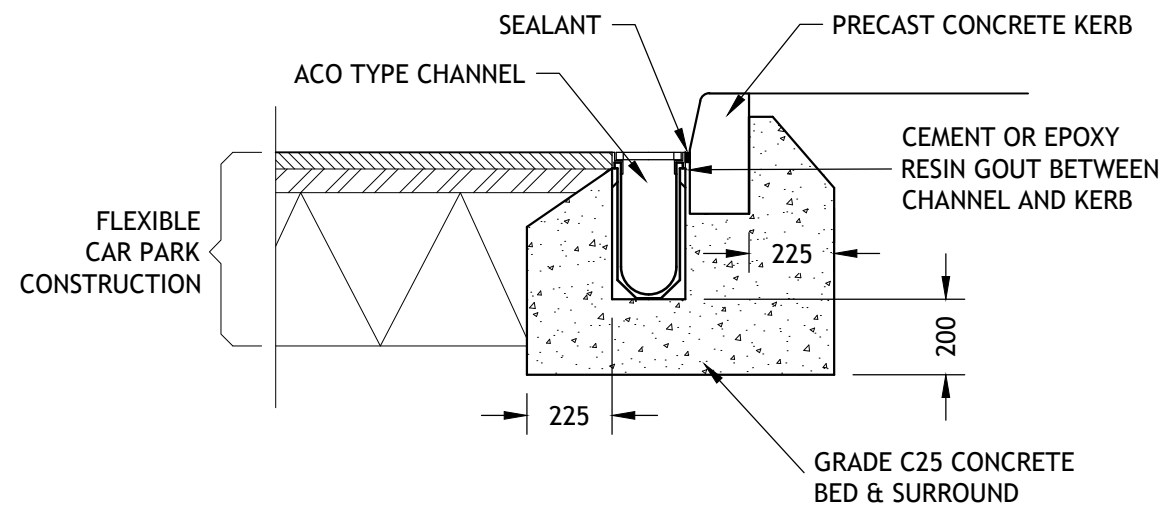




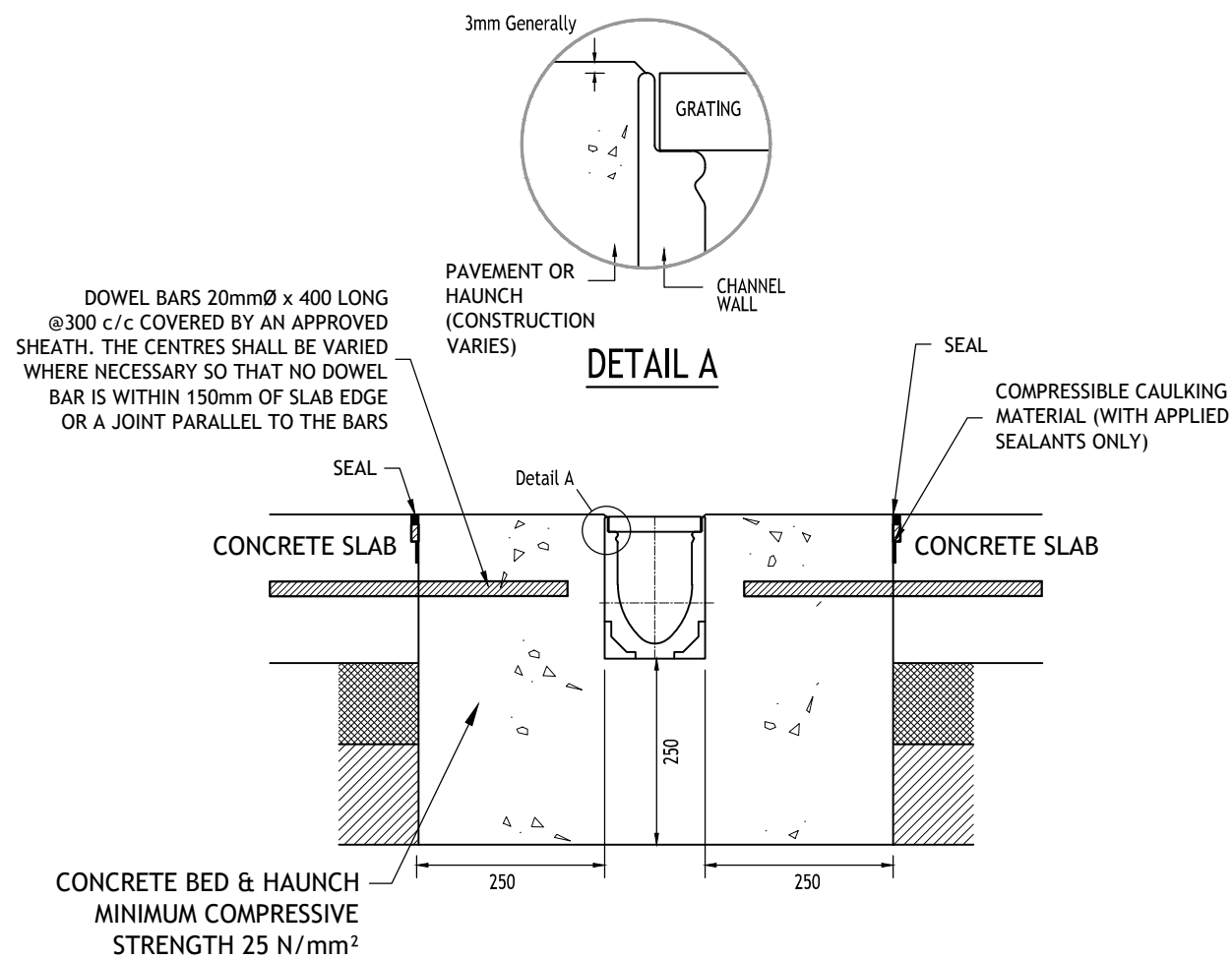
PIPE BEDDING - TYPE W & Y
SCALE 1:20



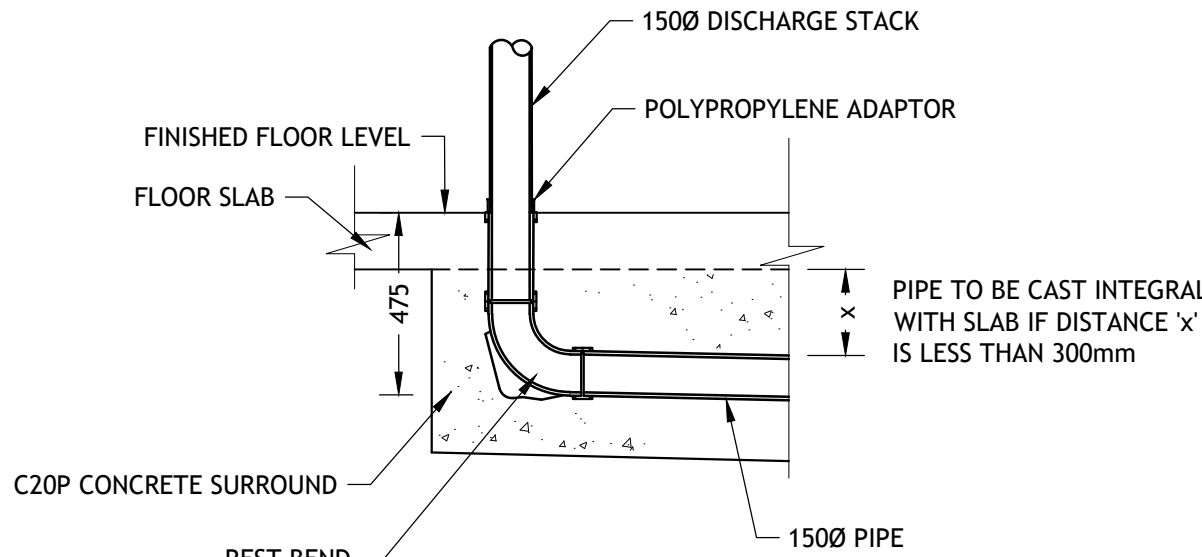
DETAILS OF ACO CHANNEL INSTALLATION
SCALE 1:20



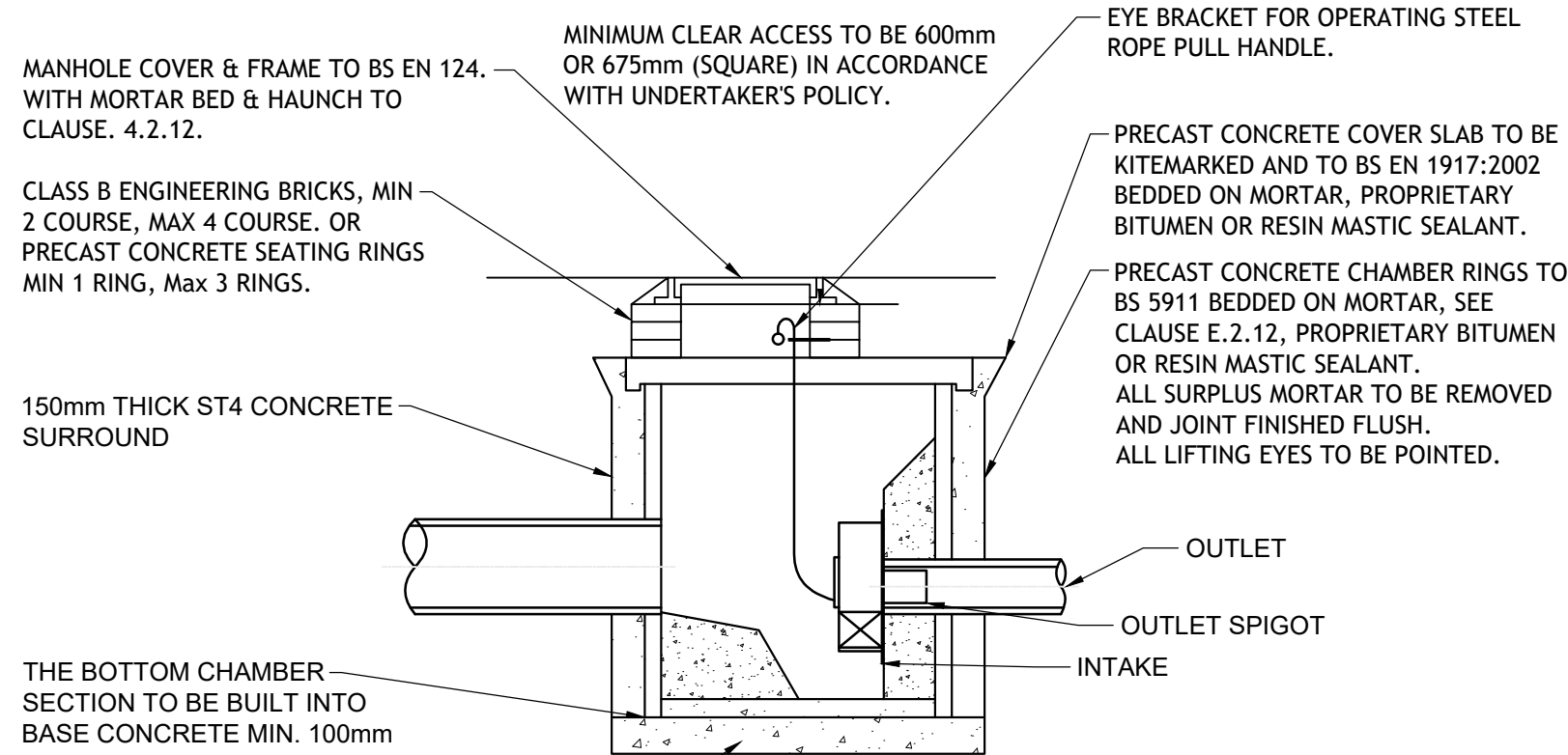
DETAILS OF CHANNEL INSTALLATION
ADJACENT TO KERB
SCALE 1:20



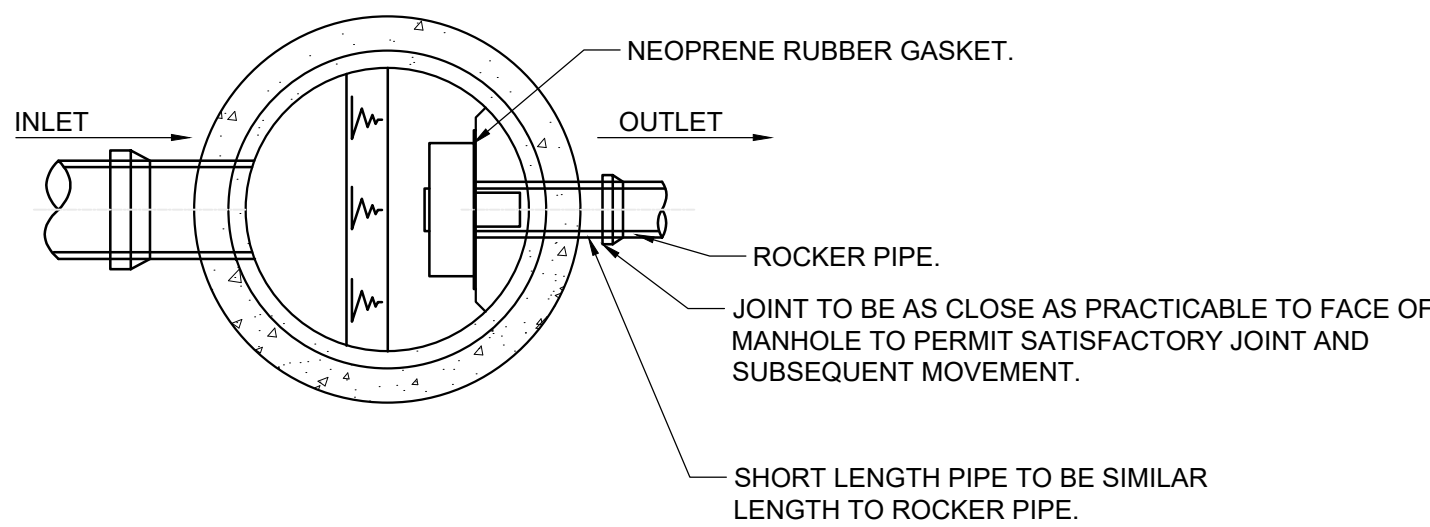
ACO CHANNEL WITHIN CONCRETE PAVEMENT
SCALE 1:10



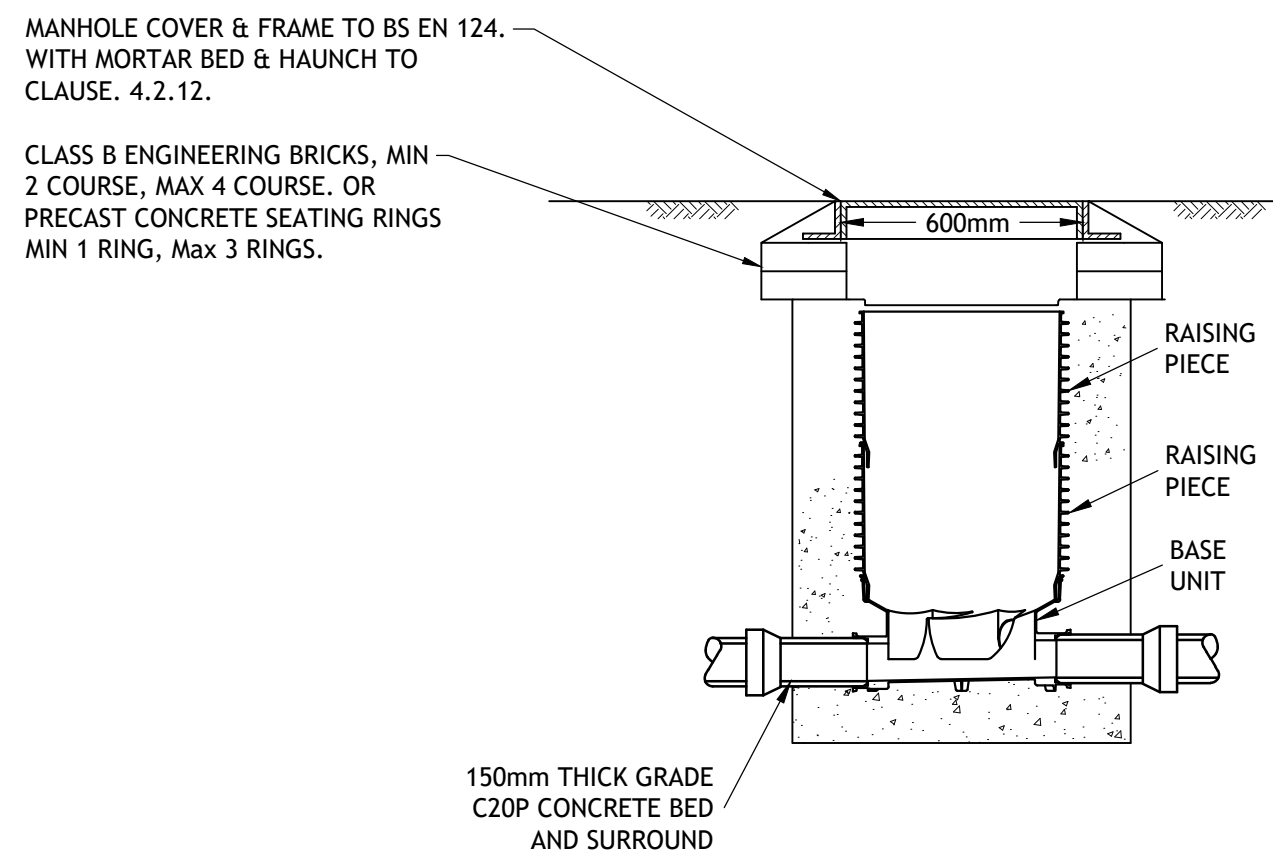
FOUL OUTLET CONNECTION DETAIL
SCALE 1:20



SECTION A-A

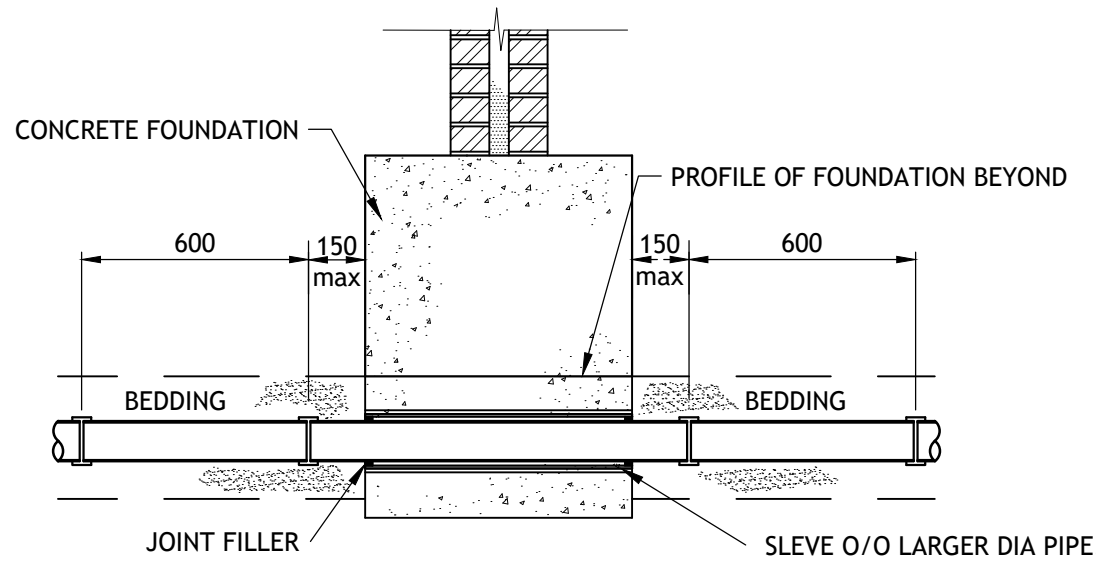


TYPICAL HYDROBRAKE MANHOLE CONSTRUCTION DETAIL
SCALE 1:20

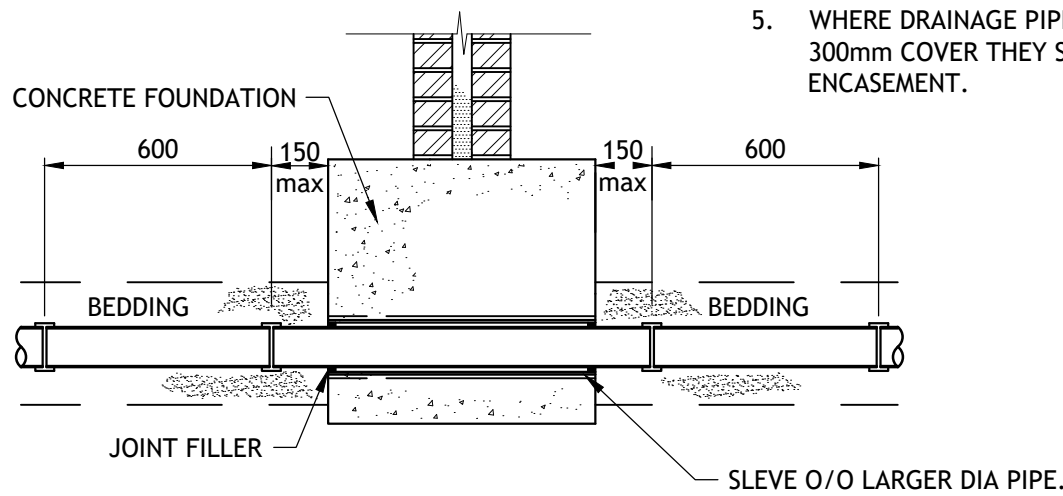


HEAVY DUTY POLYPROPYLENE
INSPECTION CHAMBER
SCALE 1:20

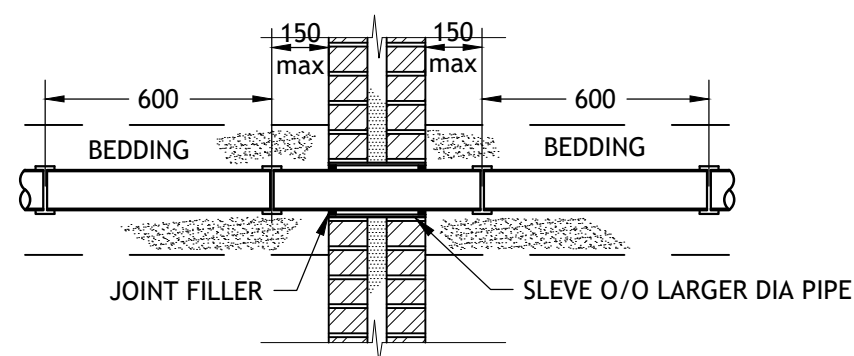
- NOTES:
1. WHEN FOUNDATION IS MORE THAN 450mm ABOVE DRAIN DO NOT ENCASE IN CONCRETE.
 2. JOINT FILLER TO BE PLASTAZOTE OR SIMILARLY APPROVED.
 3. 12mm DIA CHORD FOR 100mm DRAINAGE PIPES WITH 150mm DIA CASING.
 4. 25mm DIAMETER CHORD FILLER FOR 150mm DRAINAGE PIPES WITH 225mm DIAMETER CASING.
 5. WHERE DRAINAGE PIPES UNDER BUILDINGS HAVE LESS THAN 300mm COVER THEY SHALL HAVE 150mm CONCRETE ENCASEMENT.



DRAIN PASSING BELOW FOUNDATION
(ENCASE IN CONCRETE BELOW FOOTING)
SCALE 1:20



DRAIN PASSING THROUGH FOUNDATION
SCALE 1:20



DRAIN PASSING THROUGH WALLS

Notes

1. THIS DRAWING IS THE COPYRIGHT OF TIER CONSULT LTD AND CANNOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM THE COMPANY.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS, ENGINEERS AND SPECIALIST'S DRAWINGS TOGETHER WITH THE APPROPRIATE SPECIFICATION.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNO, FOR THE PURPOSES OF CONSTRUCTION THIS DRAWING MUST NOT BE SCALED AND ONLY WRITTEN DIMENSIONS USED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK ALL DIMENSIONS ON SITE PRIOR TO CONSTRUCTION AND ANY DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER IN WRITING.
4. ALL LEVELS ARE IN METRES UNO & TO OS DATUM.
5. THE WORKS SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING SPECIFICATION.
6. THE LOCATION LINE & LEVEL OF ALL KNOWN EXISTING DRAINAGE PIPEWORK INDICATED ON THE DRAWINGS ARE APPROXIMATE AND FOR GUIDANCE PURPOSES ONLY.
7. CONNECTION TO THE EXISTING PUBLIC SEWERS WILL BE SUBJECT TO THE RELEVANT APPROVALS FROM THE STATUTORY UNDERTAKER.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXACT LINE AND LEVEL, BY WAY OF HAND EXCAVATED TRIAL PITS, PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS ON SITE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND MAINTAIN THE STRUCTURAL INTEGRITY OF ALL ABOVE AND BELOW GROUND SERVICE INSTALLATIONS.
9. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THROUGHOUT THE DURATION OF THE CONTRACT A FULL TRAFFIC MANAGEMENT SYSTEM TO ENSURE SAFE PASSAGE OF VEHICLES/PEDESTRIANS IN THE VICINITY OF THE WORKS. ALL TRAFFIC SIGNS, SIGNALS, BARRIERS ETC. SHALL BE IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
10. THE CONTRACTOR SHALL MAKE ADEQUATE PROVISION FOR DEALING WITH AND DISPOSING OF GROUND/SURFACE WATER ENCOUNTERED DURING EXCAVATIONS.
11. ALL SOFT / HARD PAVED AREAS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED FOLLOWING THE INSTALLATION OF ALL DRAINAGE WORKS. ALL SURFACE MARKINGS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED.
12. ALL SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED IN A DESIGNATED AREA ON SITE.
13. UPON COMPLETION OF THE WORKS THE CONTRACTOR SHALL PROVIDE AS BUILT SETTING OUT CO-ORDINATE AND LEVEL INFORMATION.
14. PIPEWORK WITH LESS THAN 750mm OF COVER IN TRAFFICKED AREAS TO BE CONCRETE ENCASED. (BEDDING CLASS 2)
15. PIPEWORK WITH MORE THAN 750mm OF COVER TO HAVE CLASS 5 GRANULAR BED AND SURROUND.
16. POLYPROPYLENE INSPECTION CHAMBERS OF 5000 > 1.2m DEEP TO BE FITTED WITH A REDUCED ACCESS FITTING.
17. FOR 6 STOREY BUILDINGS AND ABOVE - GROUND FLOOR APPLIANCES TO DISCHARGE TO THEIR OWN STACKS.
18. SOIL STACKS - WHERE SOIL STACKS SERVE MULTIPLE STOREYS THE STACK REST BEND IS TO BE MINIMUM 750mm BELOW THE LOWEST BRANCH CONNECTION.
19. WHERE SEPARATE STACKS ARE PROVIDED FOR GROUND FLOOR, REST BENDS MAY BE 450mm MINIMUM BELOW THE LOWEST CONNECTION.
20. SVP CONNECTIONS TO BE 100mm DIA UNO.
21. ALL FO AND RWP LOCATIONS TO BE TO BE COMPLETE WITH A LOW LEVEL ACCESS PLATE FOR RODDING.
22. WHERE PROPOSED DRAINAGE PIPEWORK RUNS ARE IN CLOSE PROXIMITY TO THE NEW FOUNDATIONS, THE CONTRACTOR SHALL ALLOW FOR EXTENDING THE DEPTH OF NEW FOUNDATIONS IN LEAN MIX CONCRETE DOWN TO THE PROPOSED PIPE BEDDING LEVEL.

P1	03.04.2020	CCF	ISSUED FOR COMMENT	JH	PJB
Rev	Date	By	Description	Chk	App

PRELIMINARY



Tier Consult Ltd.
Richmond House,
Sandpiper Court,
Chester Business Park,
Chester | CH4 9QZ
T: 01244 684900



Project
TCB BUILDING EXTENSION.
WREXHAM INDUSTRIAL ESTATE.

Title
TYPICAL DRAINAGE DETAILS.
SHEET 2.

Scale	Drawn	Revision
AS SHOWN	C.C.FITTON	P1
Date	Checked	
13.01.2020	J.HALE	

Drawing No :
T_20_2265-55-04