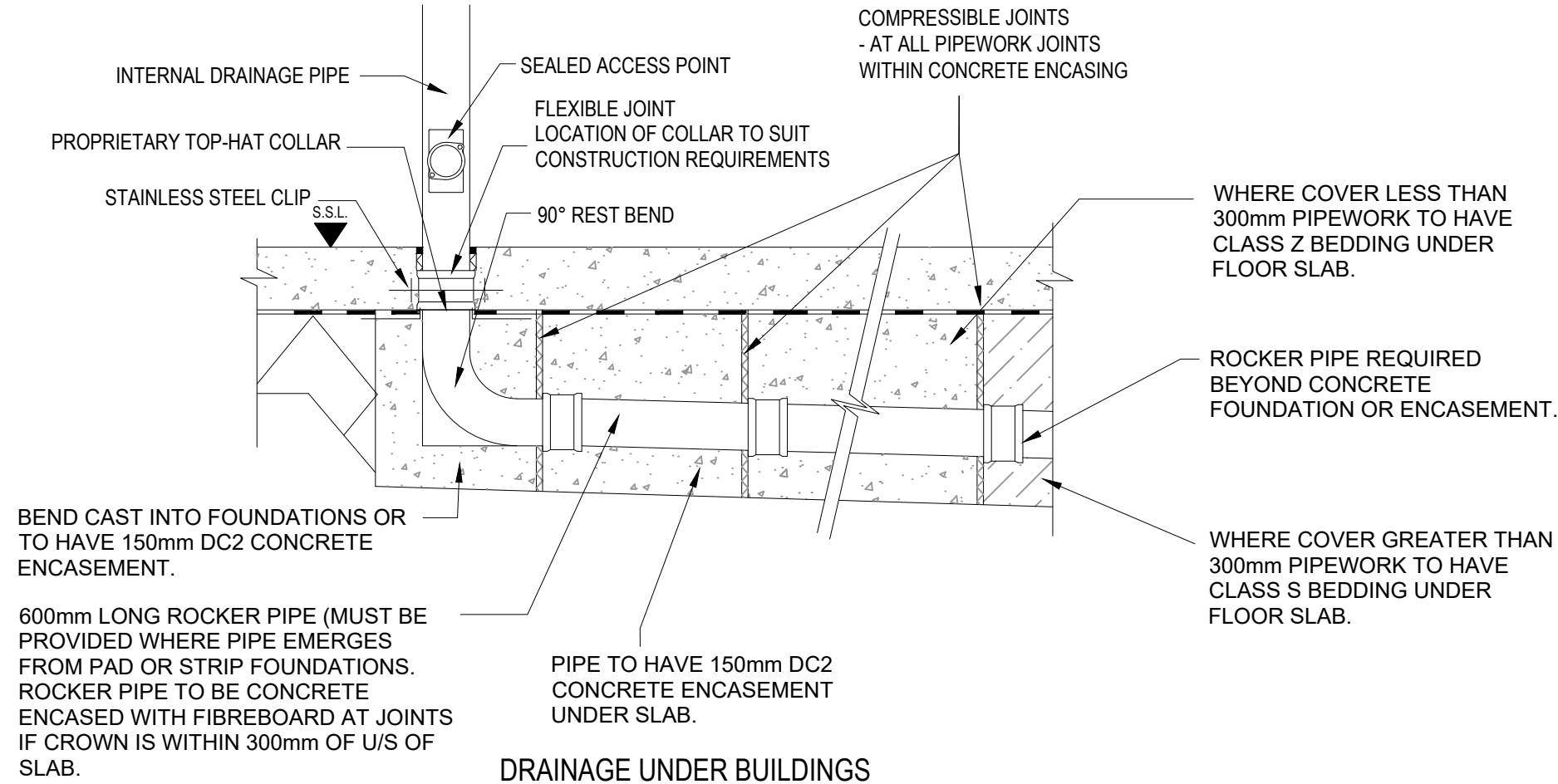
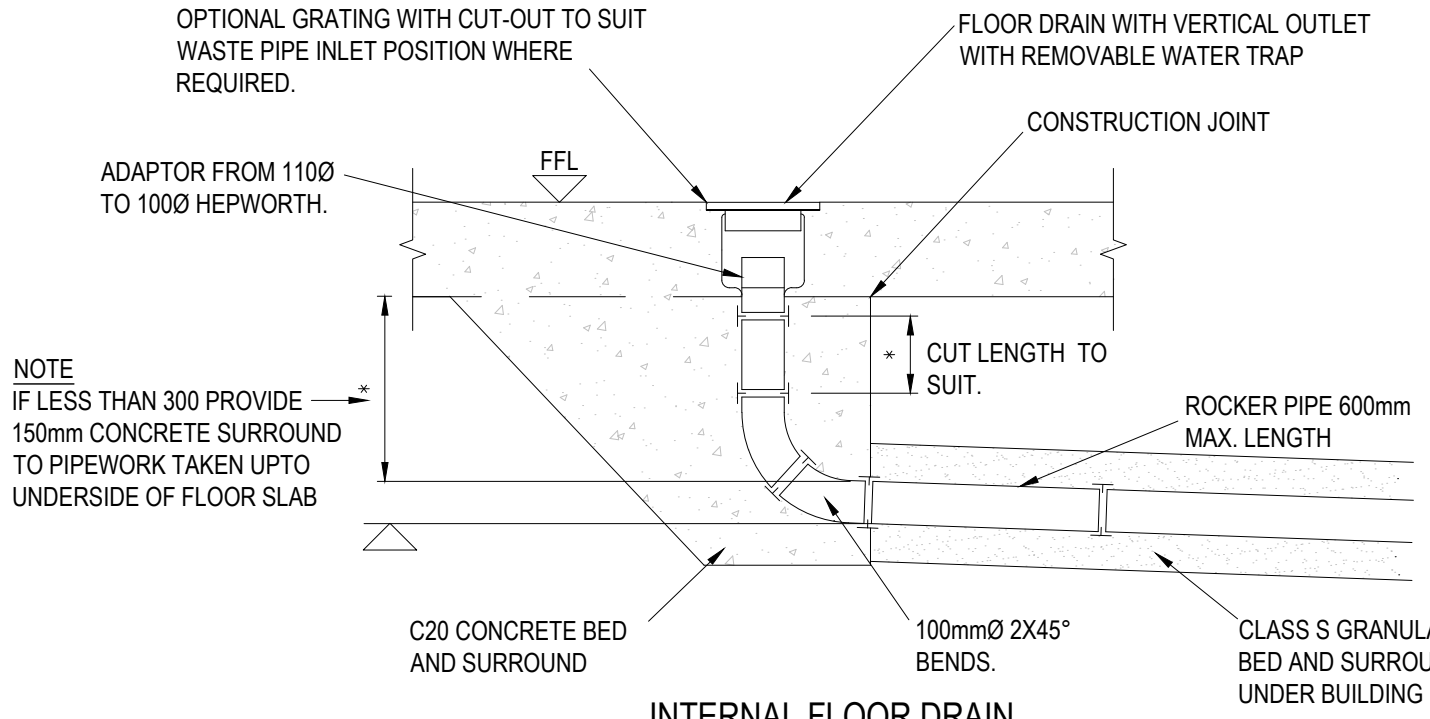
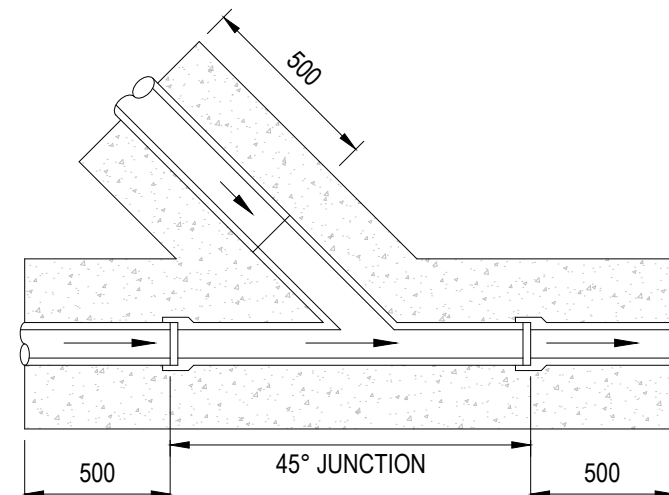




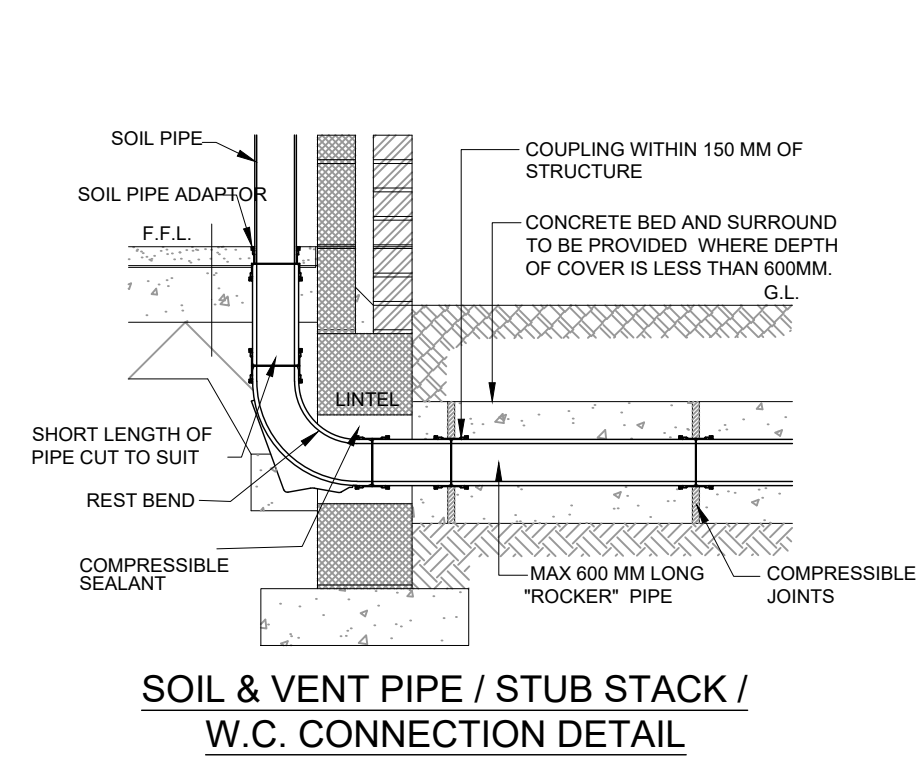
DRAINAGE UNDER BUILDINGS



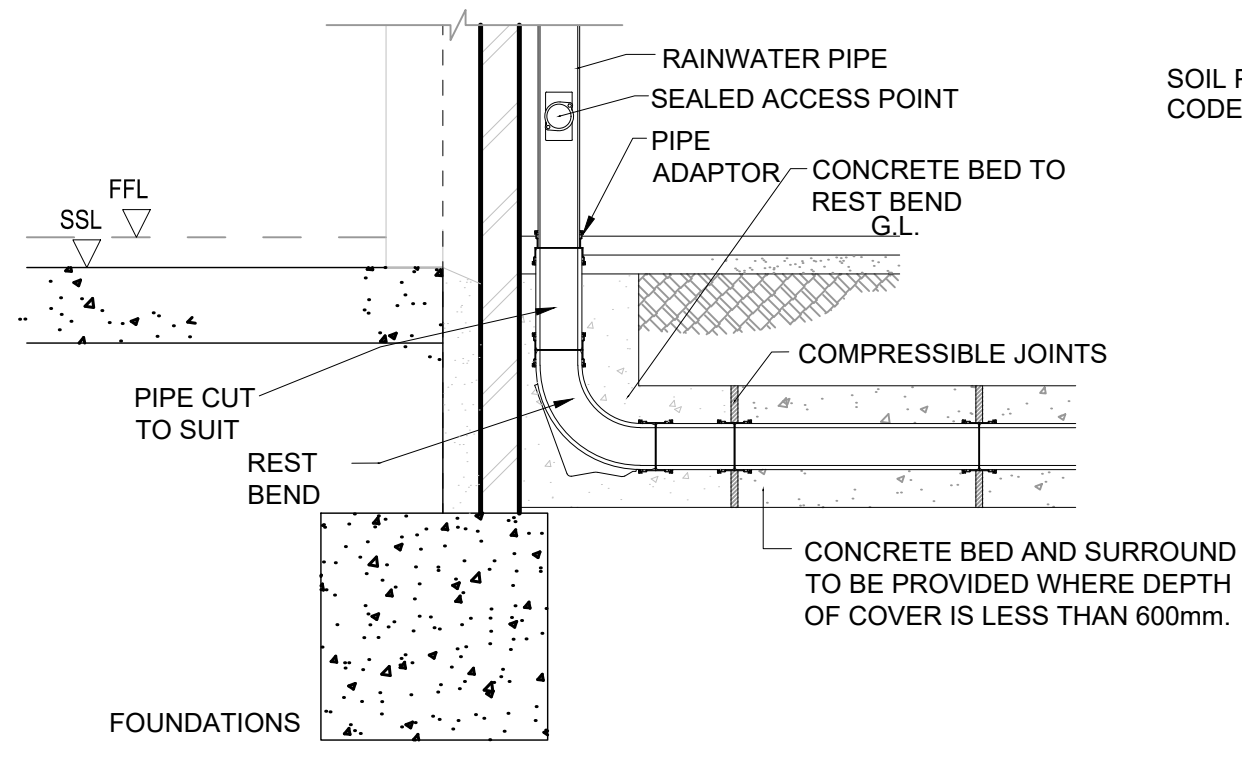
INTERNAL FLOOR DRAIN



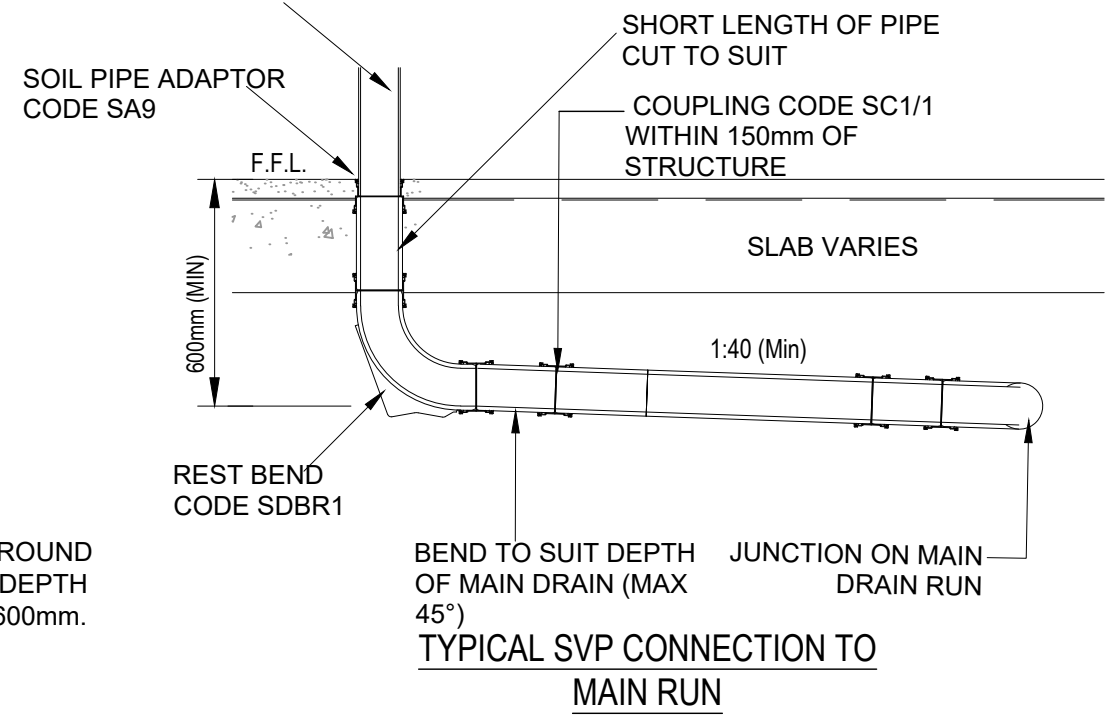
TYPICAL SADDLE CONNECTION



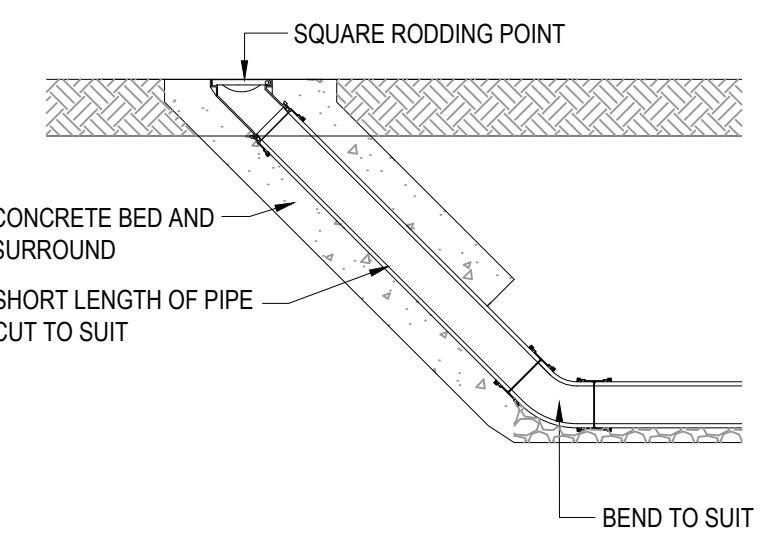
SOIL & VENT PIPE / STUB STACK / W.C. CONNECTION DETAIL



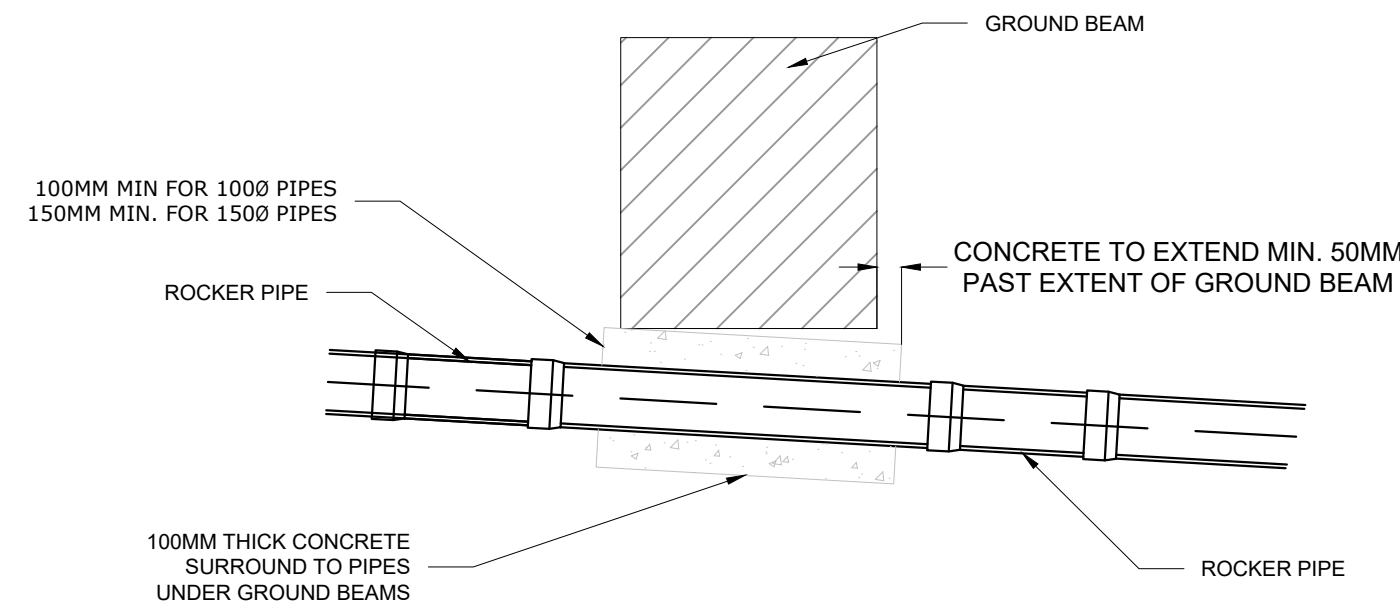
RWP CONNECTION DETAIL



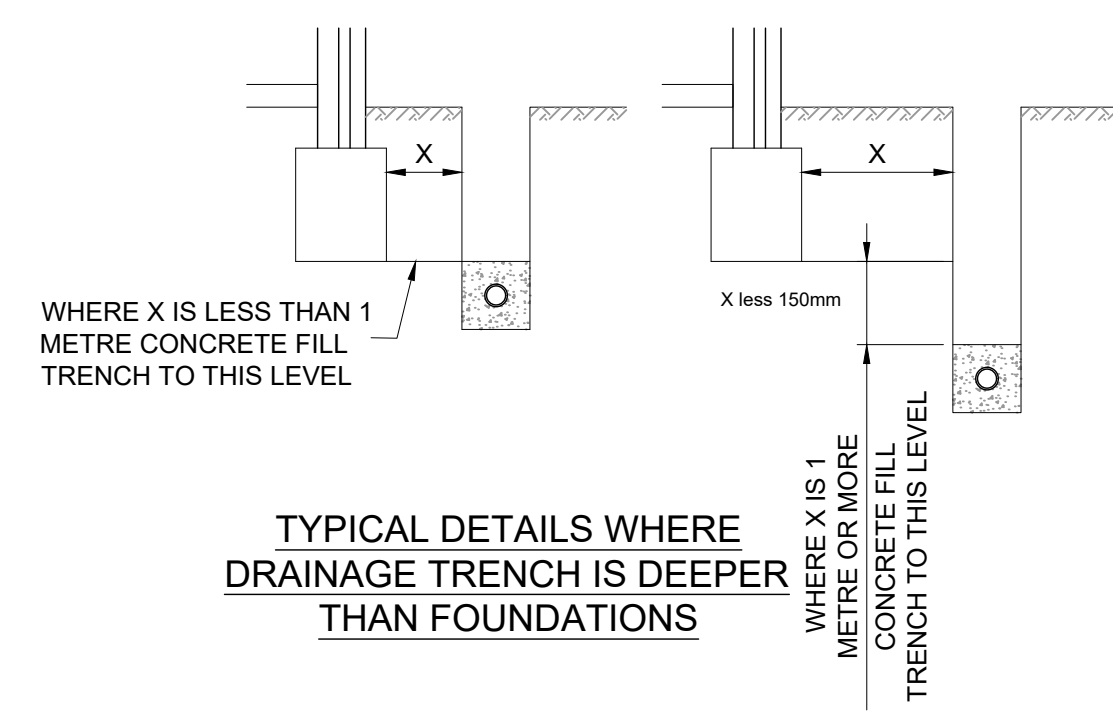
TYPICAL SVP CONNECTION TO MAIN RUN



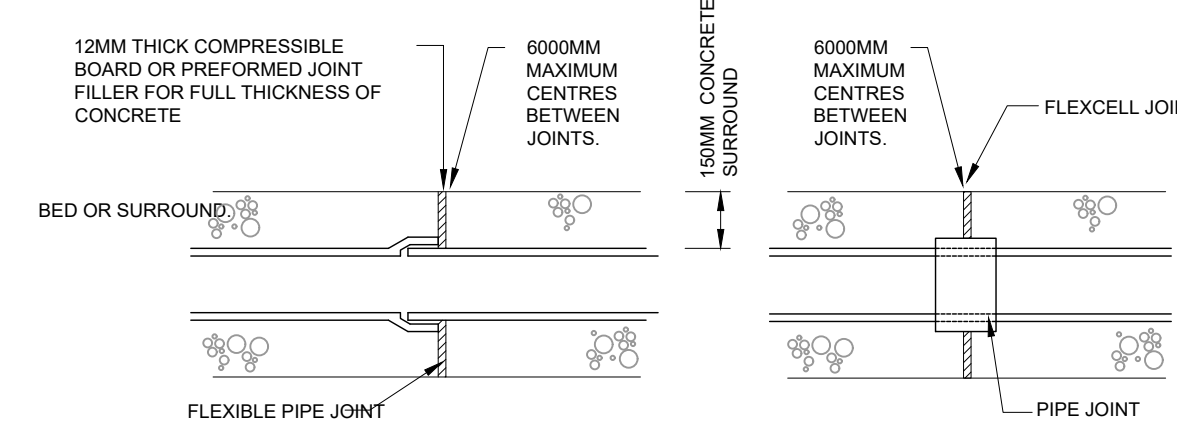
RODDING POINT DETAIL (RE)



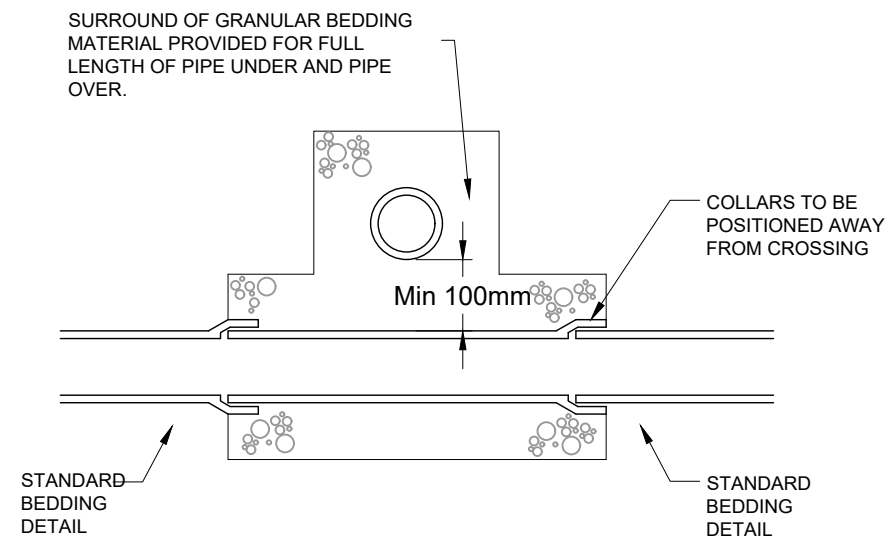
TYPICAL PIPE DETAIL UNDER GROUND BEAMS (SCALE 1:20)



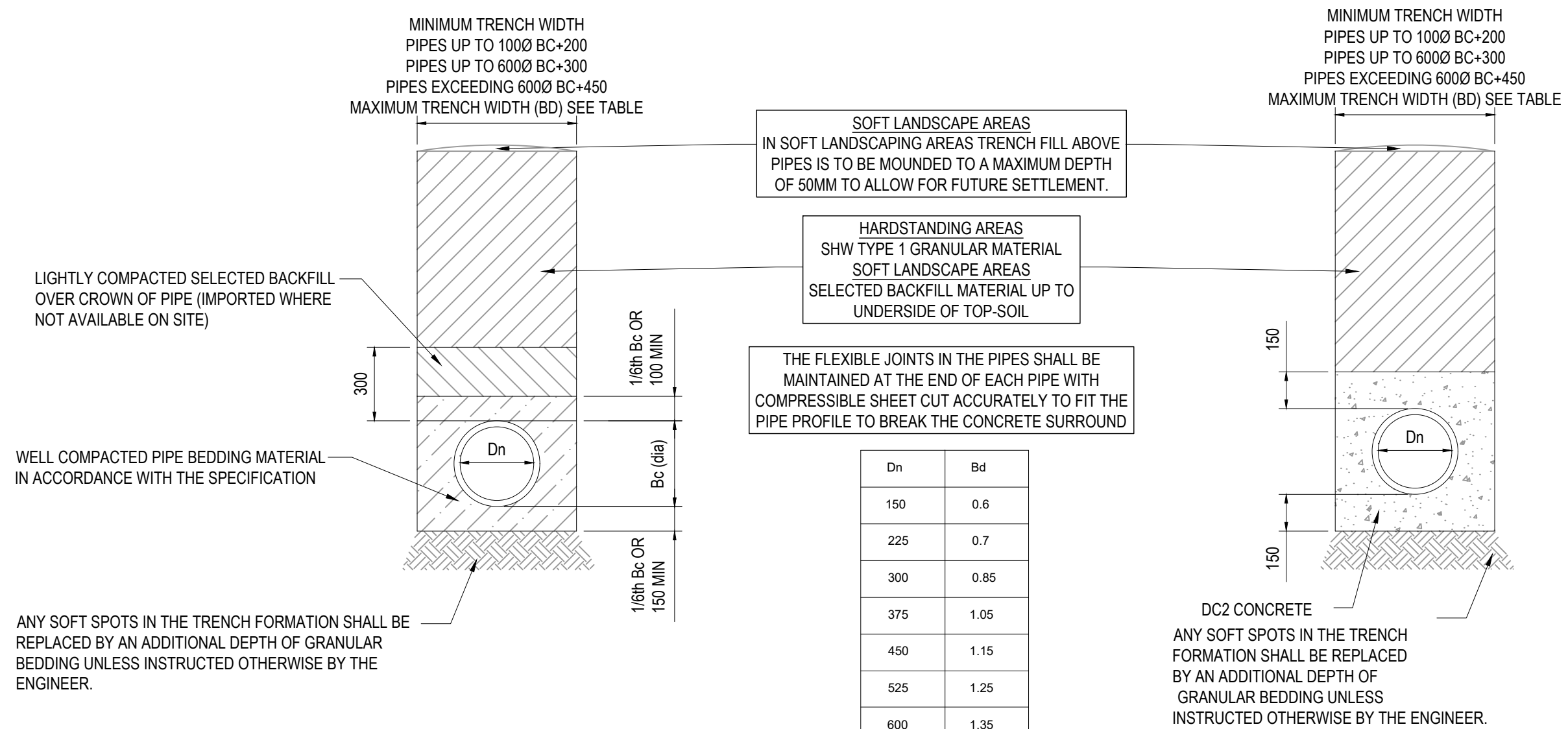
TYPICAL DETAILS WHERE DRAINAGE TRENCH IS DEEPER THAN FOUNDATIONS



EXPANSION JOINT FOR CONCRETE BED AND SURROUND



PIPE CROSSINGS DETAIL

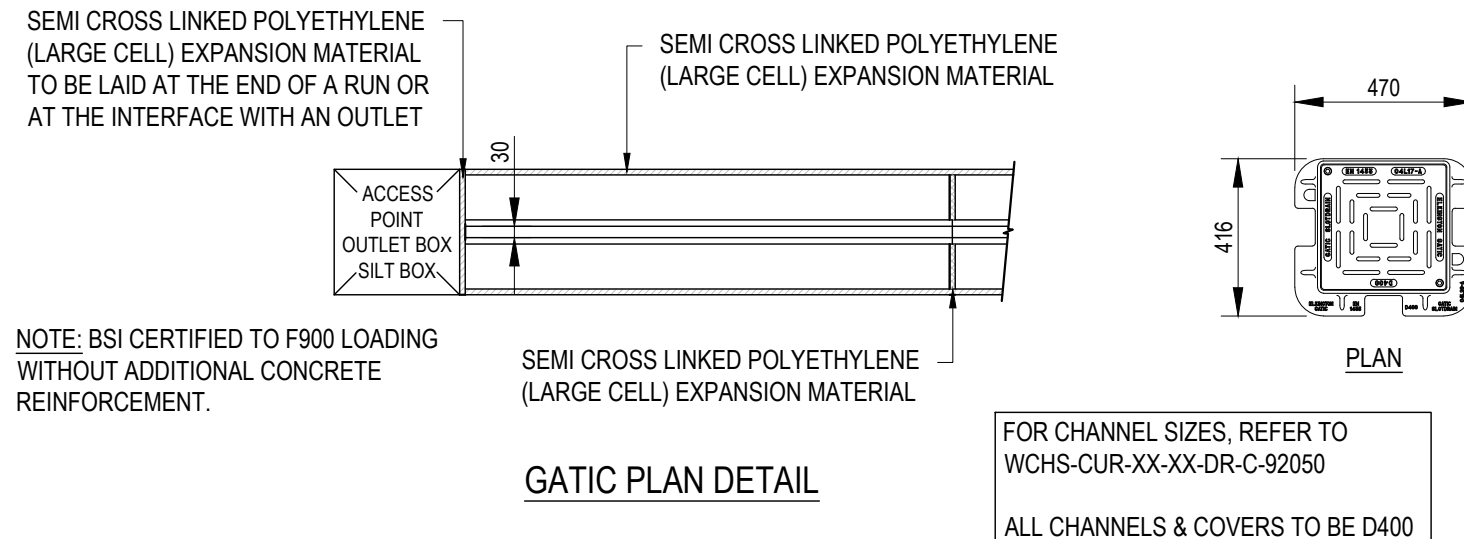


CLASS S - 360° GRANULAR SURROUND PIPE BEDDING DETAIL

Dn	Bd
150	0.6
225	0.7
300	0.85
375	1.05
450	1.15
525	1.25
600	1.35
675	1.45
750	1.50

MAXIMUM TRENCH WIDTH

CLASS Z - CONCRETE BED AND (SURROUND PIPE BEDDING DETAIL) COVER < 900mm IN VEHICULAR LOADING AND OPEN FIELD. COVER < 600mm ELSEWHERE EXCEPT UNDER BUILDINGS.



GATIC PLAN DETAIL

WIDTH 'A'	INVERT 'B'	DEPTH 'C'
100	308	357
150	366	415
225	452	501

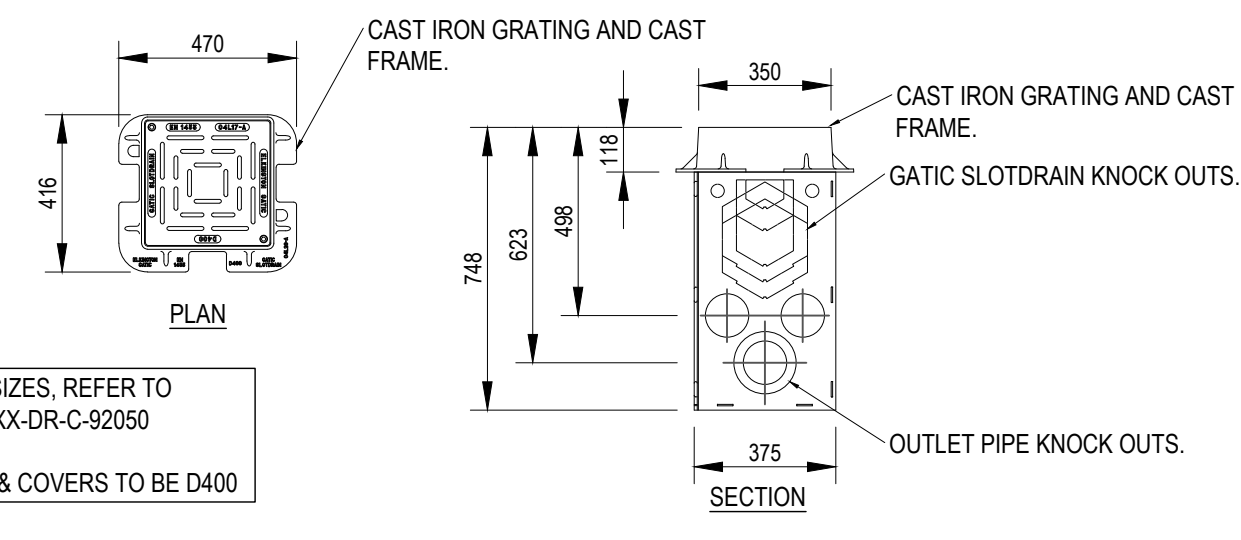
SLOT DRAIN LAID TO A 10MM FALL FROM THE OUTSIDE OF THE TRENCH TO THE CENTRE OF THE CHANNEL

SEMI CROSS LINKED POLYETHYLENE (LARGE CELL) EXPANSION MATERIAL. EXPANSION JOINT TO BE LAID TO THE DEPTH OF THE PAVEMENT QUALITY CONCRETE

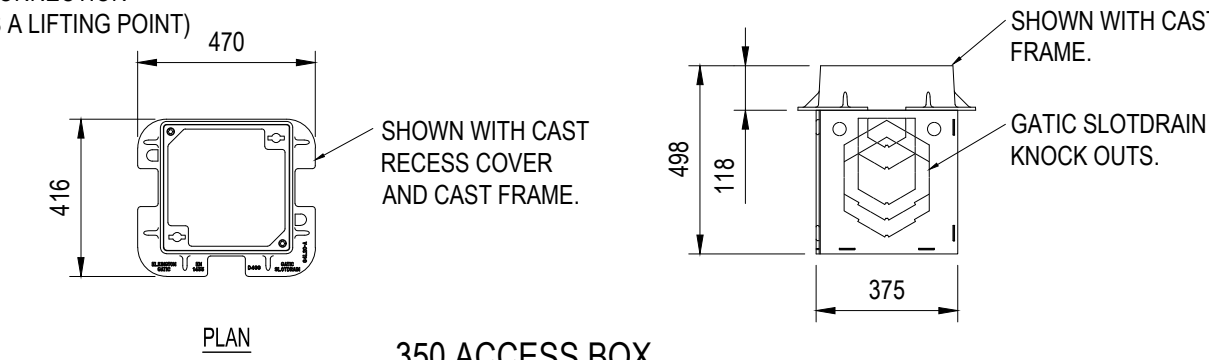
PQ (PAVEMENT QUALITY) CONCRETE SECOND POUR TO BE DONE WHEN THE FIRST POUR HAS SUFFICIENTLY CURED MINIMUM GRADE C32/40 CONCRETE (ELKINGTON GATIC RECOMMENDS USING 20mm AGGREGATE)

FIRST CONCRETE POUR TO FIX THE CHANNEL TO THE BOTTOM OF THE TRENCH MINIMUM GRADE C32/40 CONCRETE (ELKINGTON GATIC RECOMMENDS USING 20mm AGGREGATE) TO 20MM BELOW THE INVERT OF THE CHANNEL TO ALLOW THE CONCRETE TO FLOW UNDERNEATH

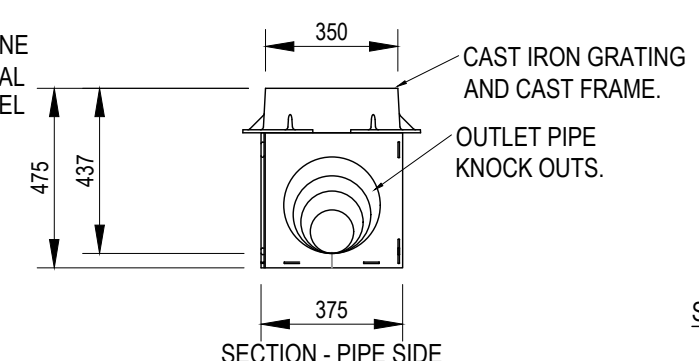
GATIC SLOT DRAIN CASTSLOT TREADSAFE CONCRETE INSTALLATION



GATIC SLOT DRAIN 350mm OUTLET UNIT SECTION AND PLAN DETAILS



350 ACCESS BOX SECTION AND PLAN DETAILS



GATIC SLOT DRAIN 350mm REDUCED DEPTH OUTLET UNIT SECTION AND PLAN DETAILS

GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- SULPHATE RESISTANT CEMENT AND PRECAST CONCRETE PRODUCTS MUST BE USED WHERE SULPHATE FOUND, OR WHERE NO SULPHATES THEN C20-GEN 3

P03	STAGE 4 ISSUE. DRAWING RENUMBERED FOR BEP	26/08/25	GD	GD
P02	REDUCED DEPTH GATIC DRAIN OUTLET ADDED	19/06/25	ATL	MW
P01	ISSUED FOR COMMENT	01/05/25	KS	MW
Rev:	Description:	Date:	By:	Chkd:

Curtins

Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG
0161 236 2394
manchester@curtins.com
www.curtins.com

Civils & Structures - Transport Planning - Environmental - Infrastructure - Geotechnical - Conservation & Heritage - Principal Designer
Birmingham - Bristol - Cambridge - Cardiff - Douglas - Dublin - Edinburgh - Glasgow - Kendal - Leeds - Liverpool - London - Manchester - Nottingham

Status: **S4**

Project: **HAWTHORN MEDICAL CENTRE**

Orig Title: **DRAINAGE DETAILS SHEET 2**

Drawn By	KS	Designed By	MW	Checked By	MW
Date	01/05/2025	Scales @ A1	1:20	Revision	
Project No - Originator - Function - Spatial - Form - Discipline - Number	HMCNMC - CUR - ZZ - 00 - DR - C - 92521				P03