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Notes:
1. This drawing is to be read in conjunction with all relevant Architect's engineer's and specialists' drawings and specifications. Any discrepancies from the information indicated on these drawings shall immediately be brought to the attention of the engineer.

Health & Safety:
2. All specific drawing notes are to be read in conjunction with the project "information pack" and "site rules".

3. All drainage design and installation to be carried out in accordance with the following:
BS EN 752: drain and sewer systems outside buildings.
BS EN 12056: gravity drainage systems inside buildings.
Building Regulations - part m.
Sewers for Adoption - current edition
BS 8000 pt.14 - workmanship on building sites.

4. All pipework to be Cast Iron U.N.O.

5. All gullies to be trapped and roddable.

6. All below ground branch pipes to main runs shall be 100mm diameter unless stated otherwise. Initial below ground 100mm diameter foul and surface water lateral pipes shall be laid no flatter than 1:40 and 1:60 respectively (unless stated otherwise), where necessary, to avoid clashes, lateral connections may be laid to nominal falls and ramp at 45 degrees to manhole invert or pipe junction.

7. All drainage pipes to be cast in concrete when passing under foundations.

8. All bends in pipework shall be long radius.

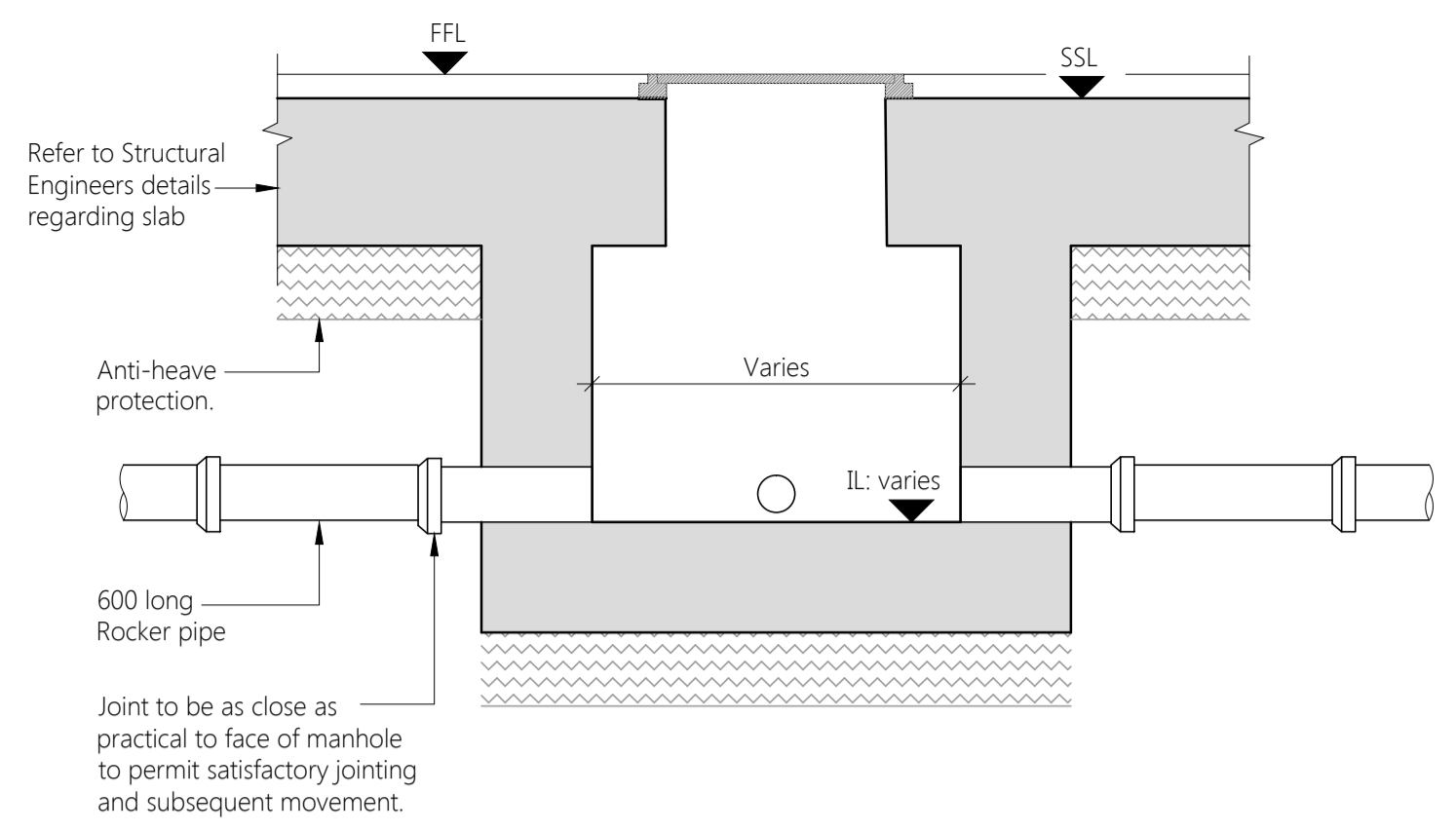
9. Pipe connections not to inspection chambers shall be via preformed oblique junction swept in the direction of flow.

10. All internal manholes to have double sealed and bolted covers to stop the ingress of odours. Covers by component development. Series 4200 with recessed cover for infill to suit architect's floor finishes.

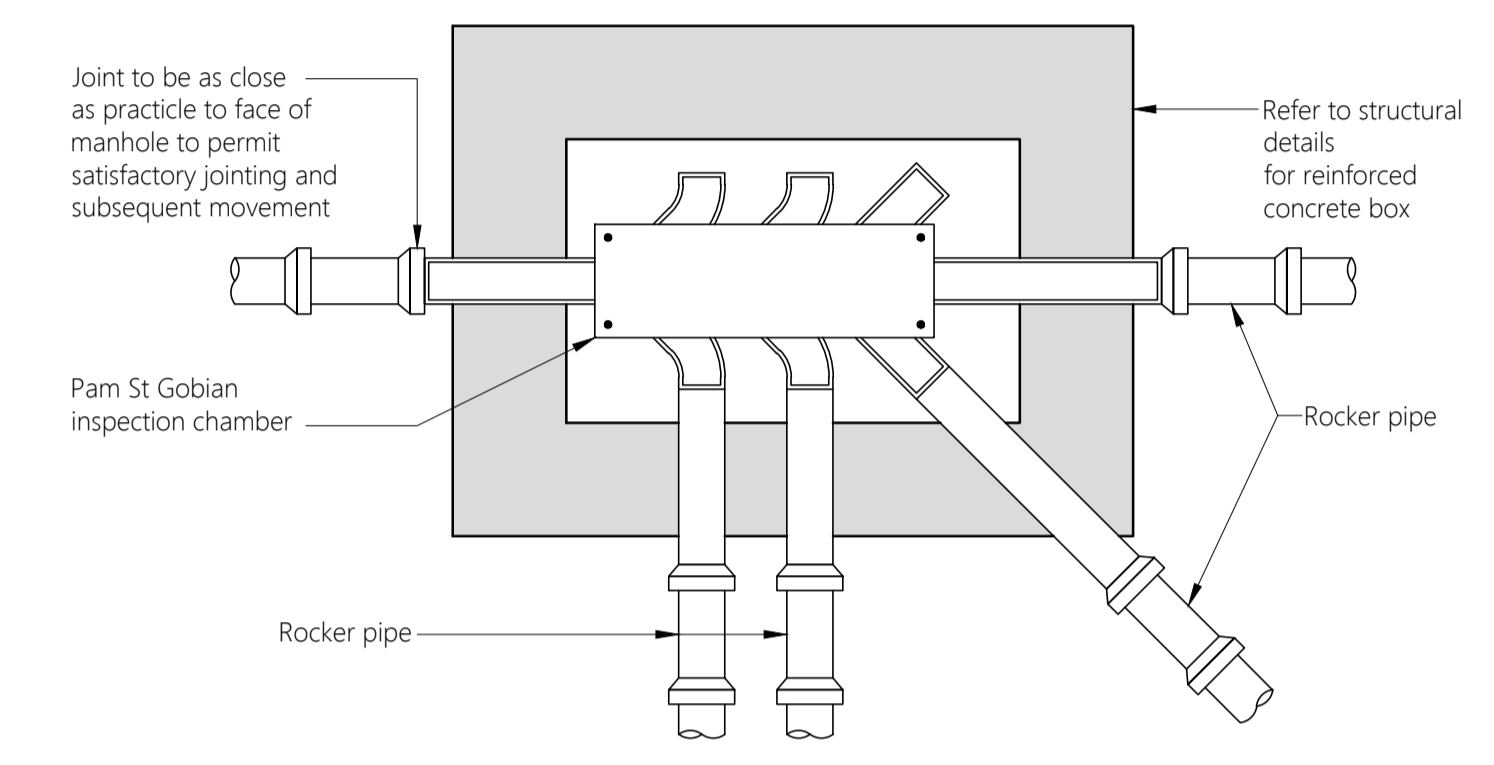
11. The Contractor shall allow for the temporary and permanent support and diversion works as necessary, to all existing services to the satisfaction of the public utilities.

12. The Contractor shall allow for dealing with surface water run-off into excavations and from groundwater by means of sumps, pumping and de-watering as appropriate in order to keep the excavation as reasonably dry as possible during the construction of the project.

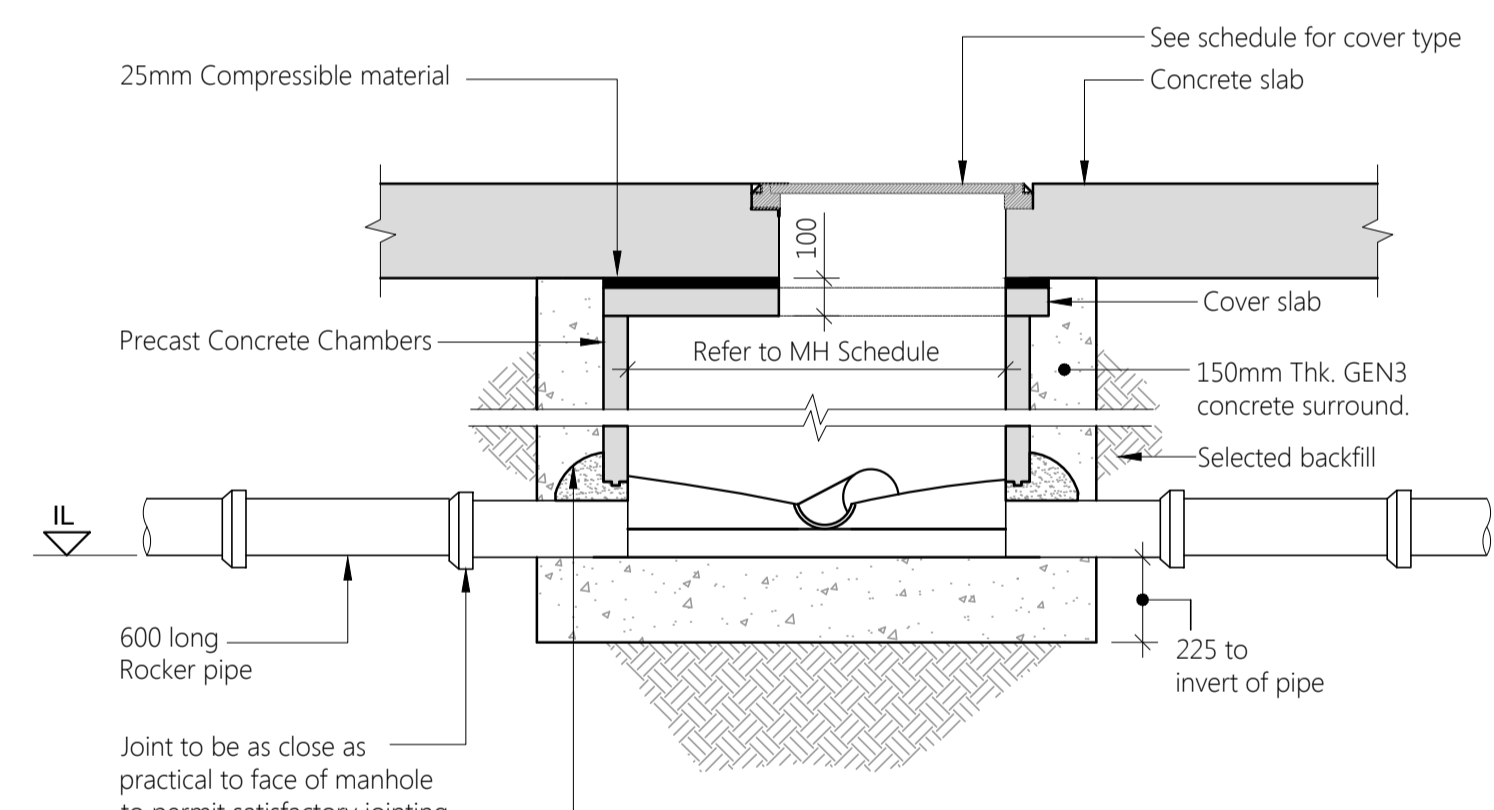
13. All levels and dimensions shall be verified on site prior to the commencement of any works. Any discrepancies shall be immediately brought to the attention of the engineer.



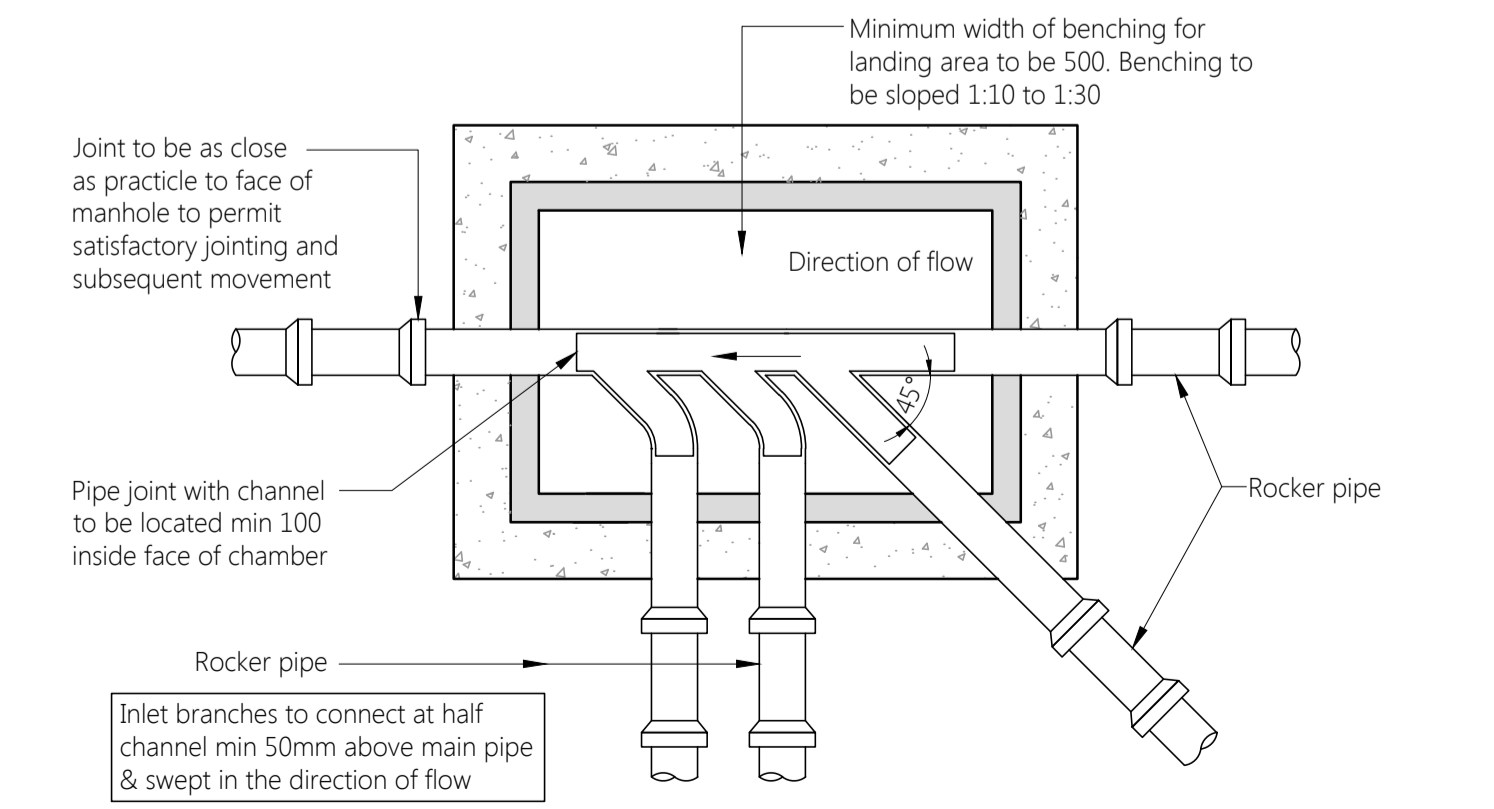
BASEMENT CHAMBER DETAIL - SECTION



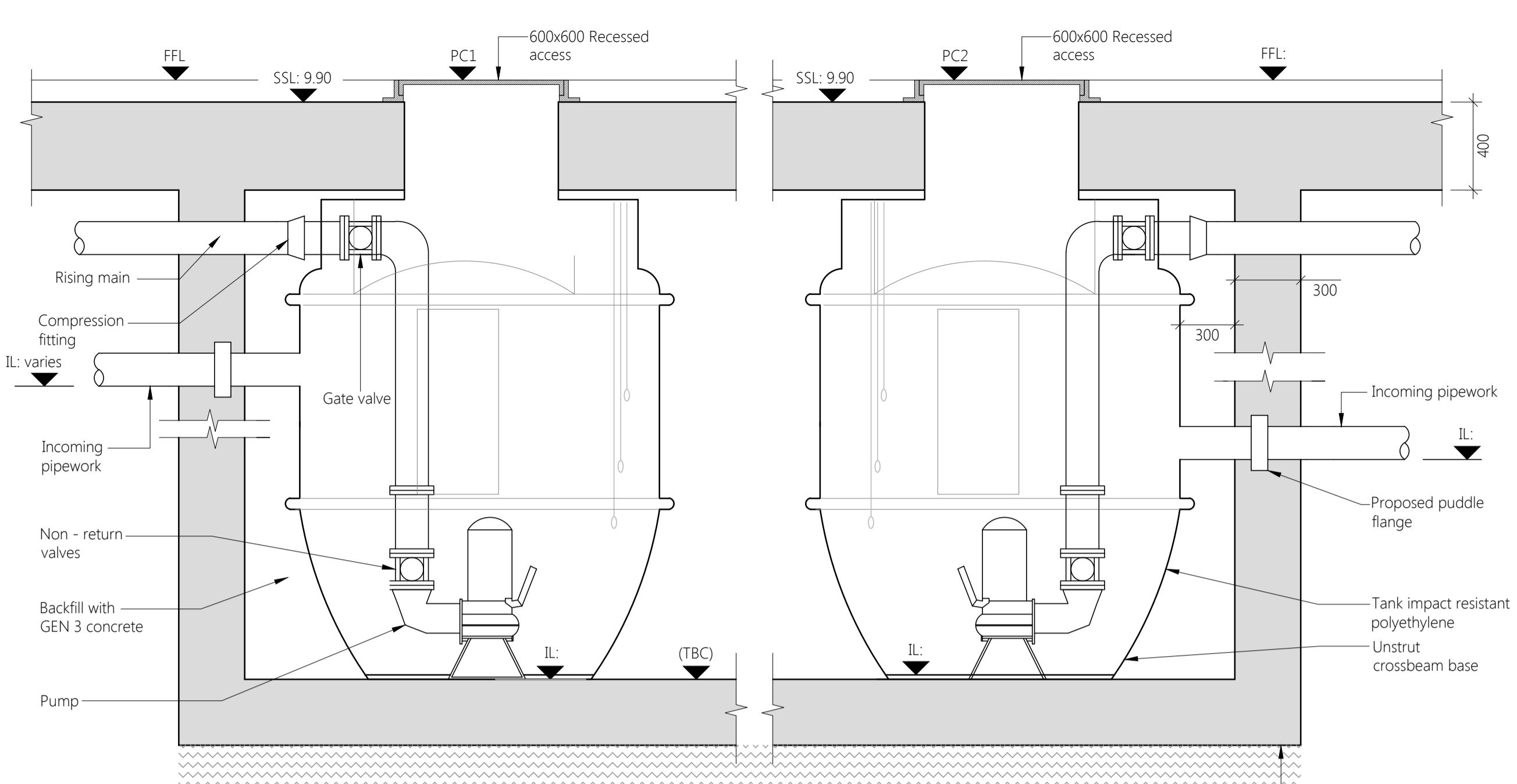
BASEMENT CHAMBER DETAIL - PLAN



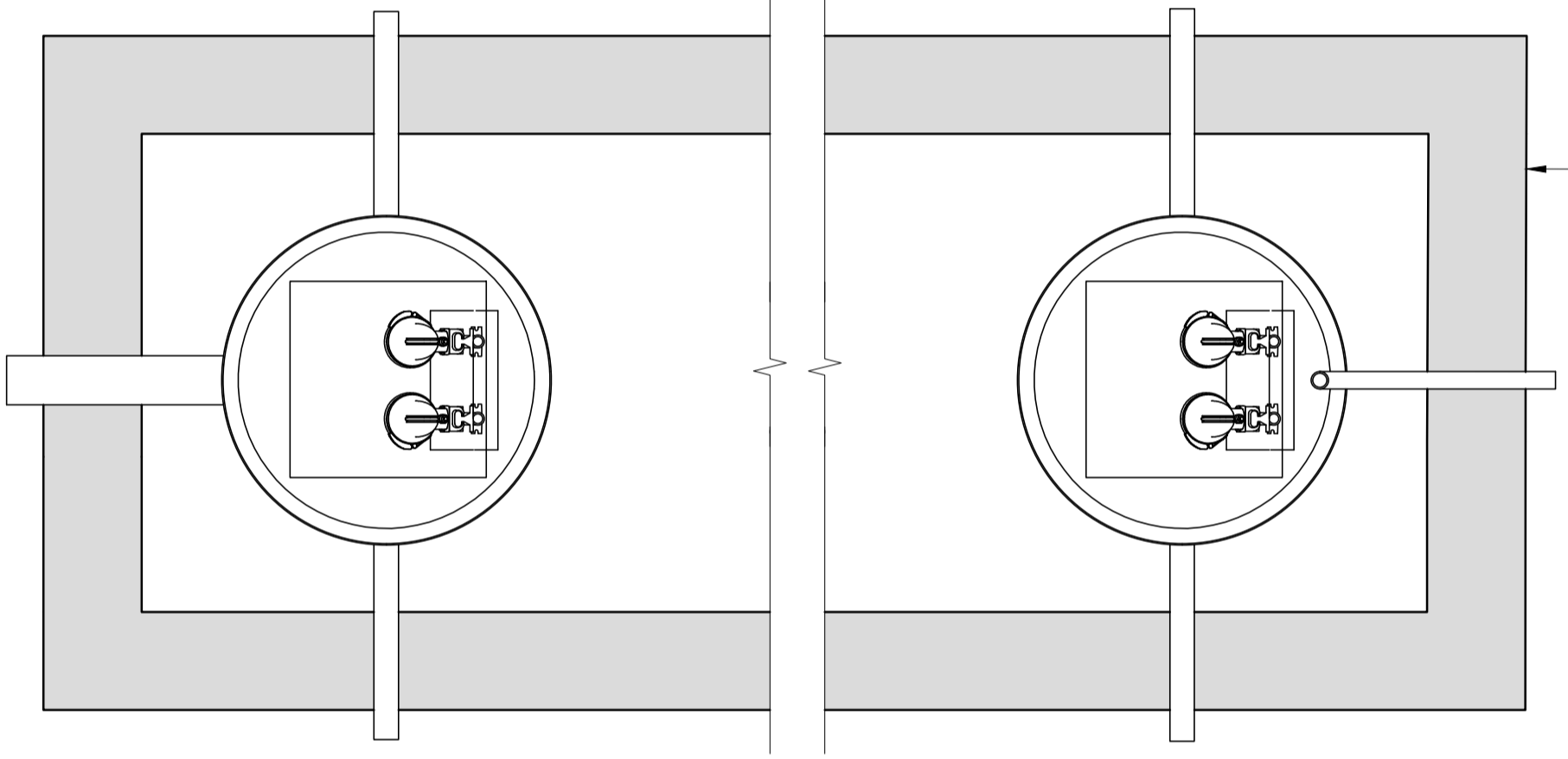
PCC RECTANGULAR INSPECTION CHAMBER - INTERNAL
(Refer to Manhole Schedule for Size & Invert)



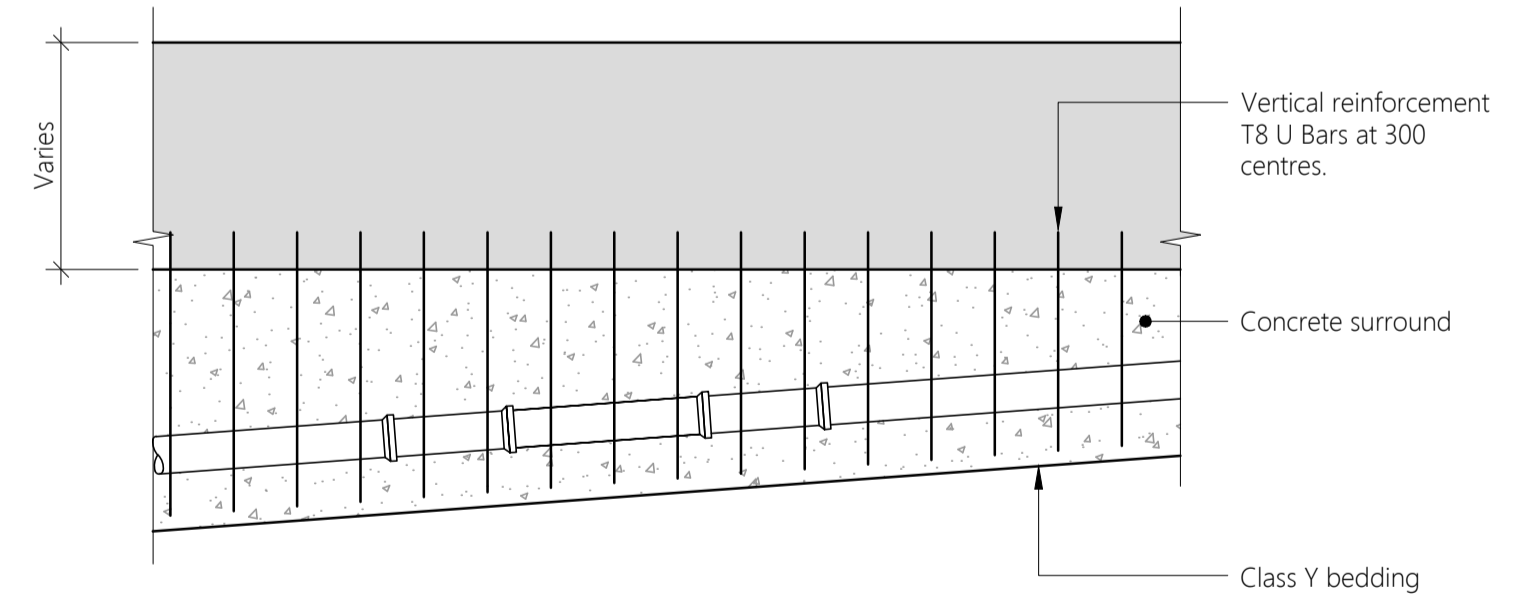
PCC RECTANGULAR INSPECTION CHAMBER - PLAN



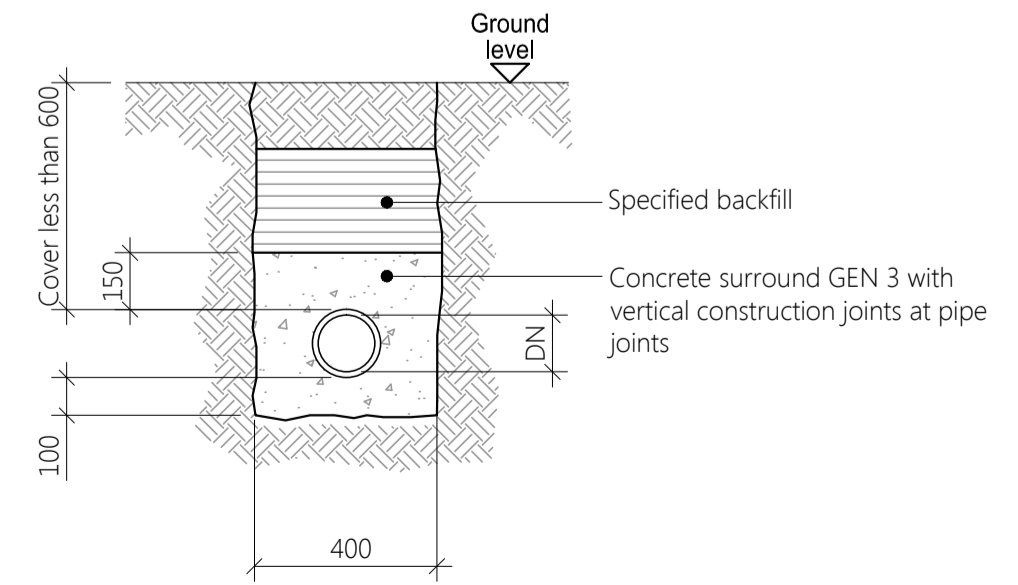
FOUL & SURFACE PACKAGE PLANT ELEVATION



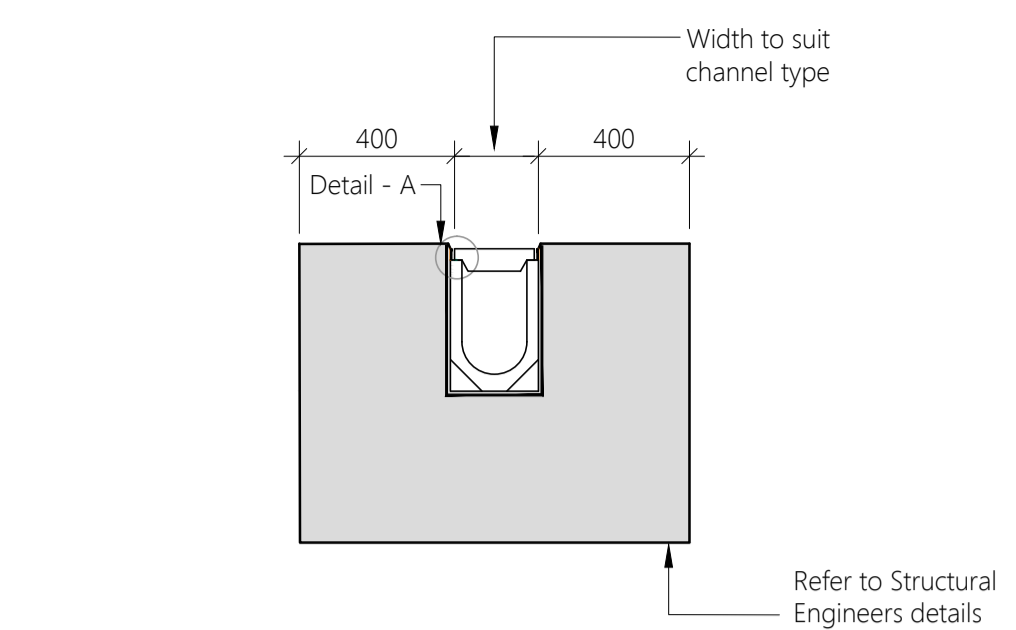
FOUL & SURFACE WATER PUMP PLANT PLAN



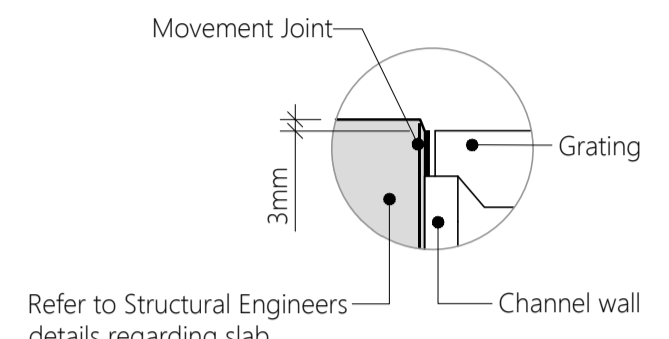
TYPICAL DETAIL FOR PIPELINES UNDER SLABS CLASS Y AND W BEDDING



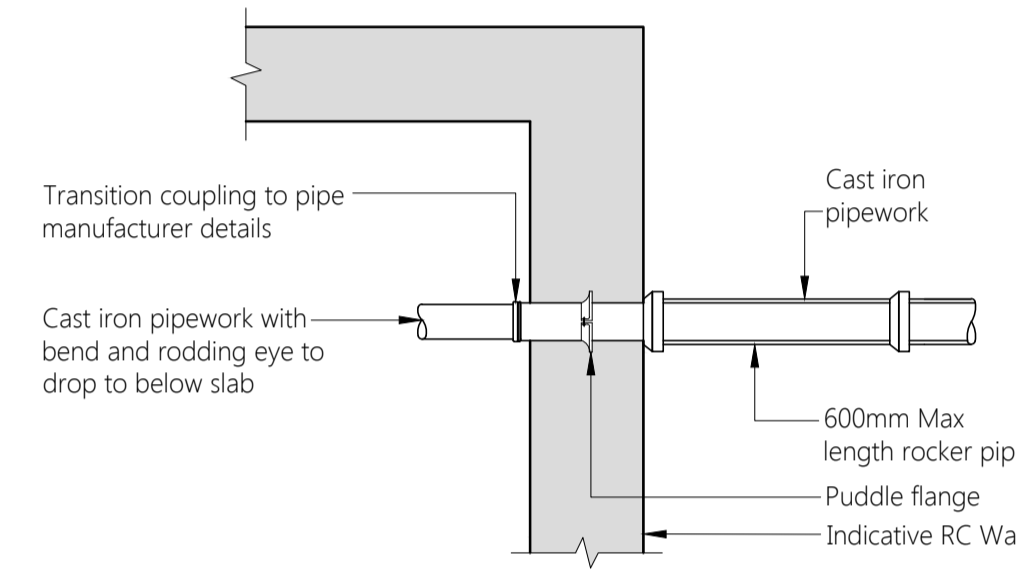
CLASS Z BEDDING CONCRETE PIPE BEDDING SURROUND DETAIL



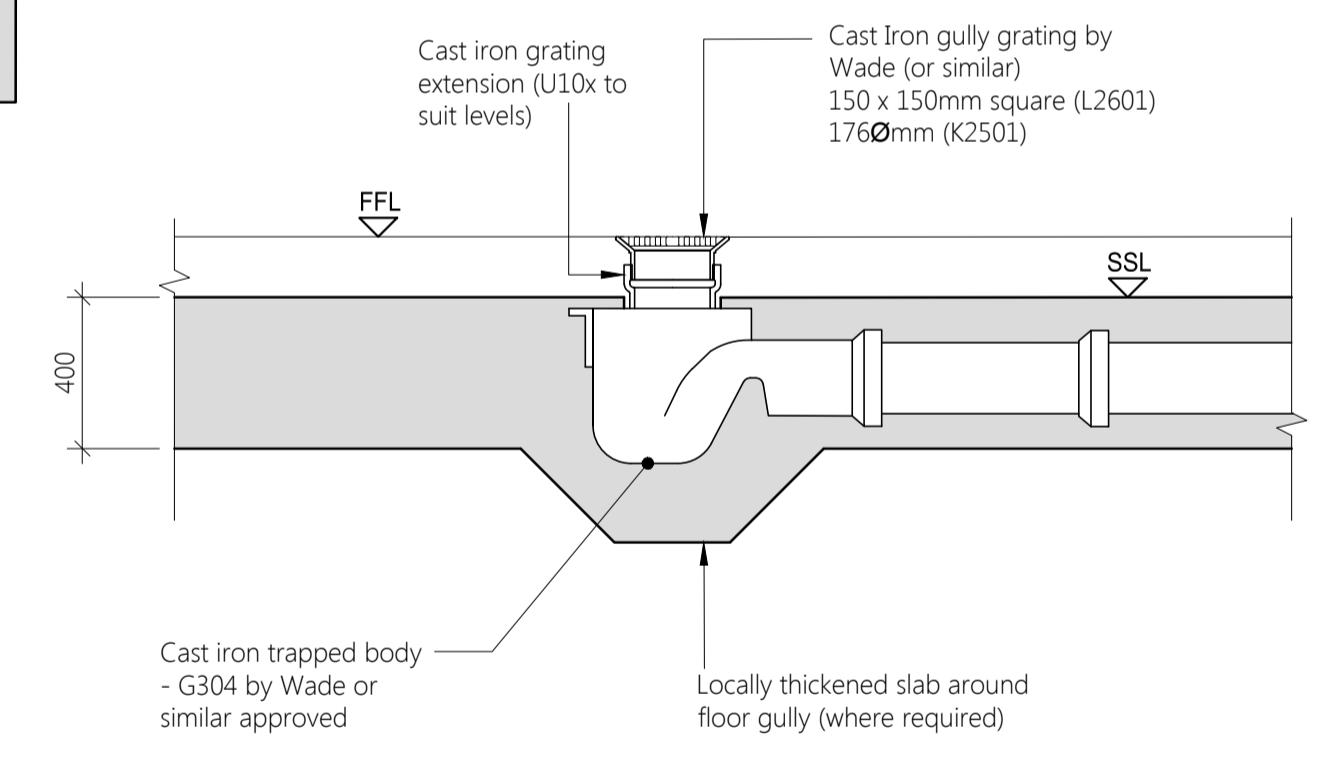
LINEAR DRAIN DETAIL



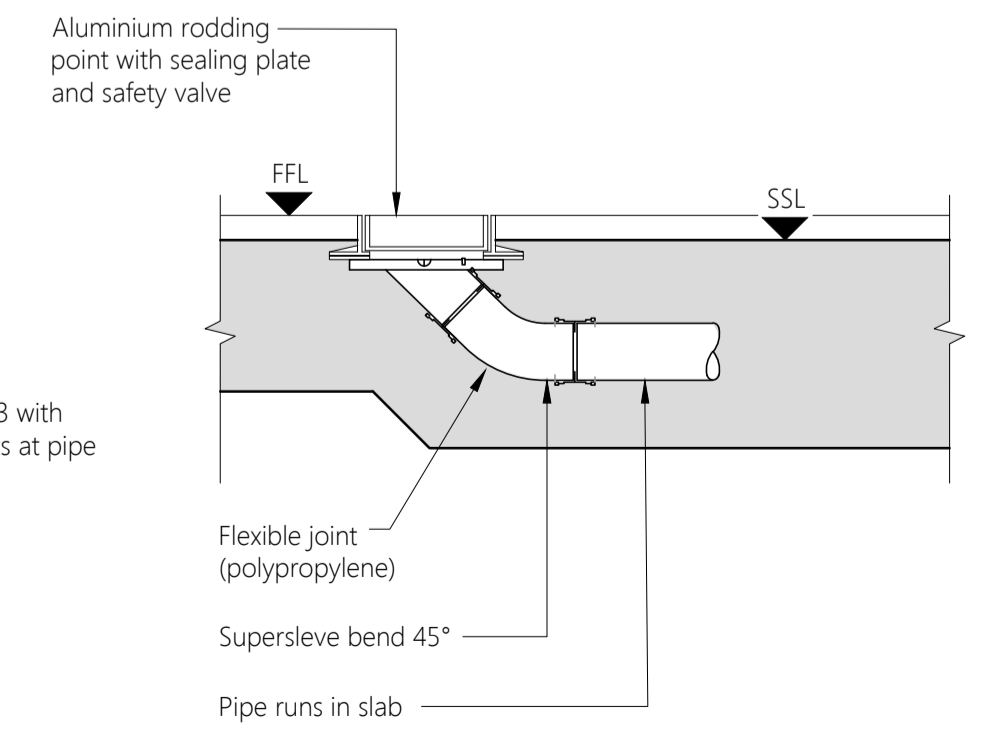
DETAIL - A



PIPE PENETRATING BASEMENT WALL DETAIL



TYPICAL WADE FLOOR GULLY WITH RODDING ACCESS



RODDING EYE

T01	07.12.16	ISSUED FOR TENDER	SK
REV	DATE	DESCRIPTION	BY
AMENDMENTS			

Project:
159-163 KINGS CROSS RD

Title:
BELOW GROUND DRAINAGE DETAILS

Client:
BALCAP RE LTD

Architect:

TENDER

Designed: **MG** Drawn: **SK**

Checked: **MG** Date: **DEC '16**

Project No: **1676** Scale @ A1: **NTS**

Drawing No: **820** Revision: **T01**