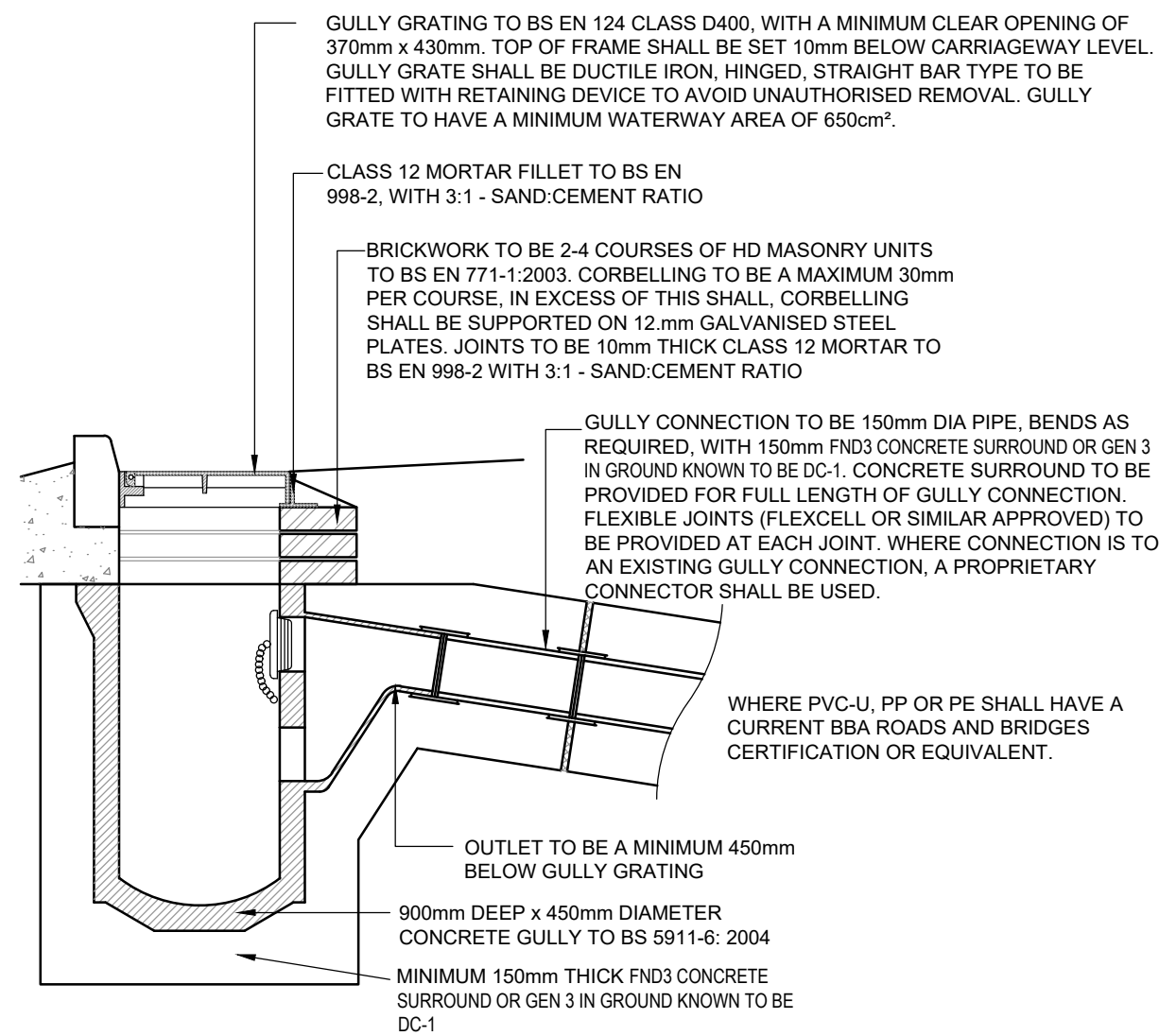
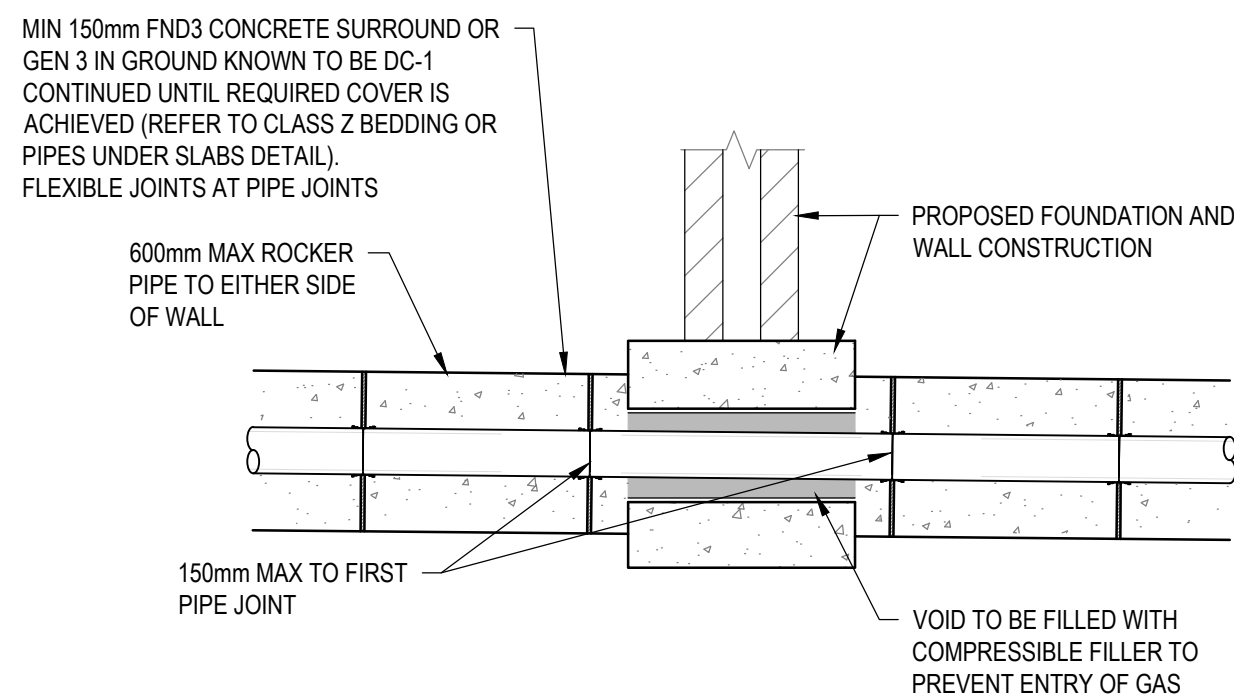




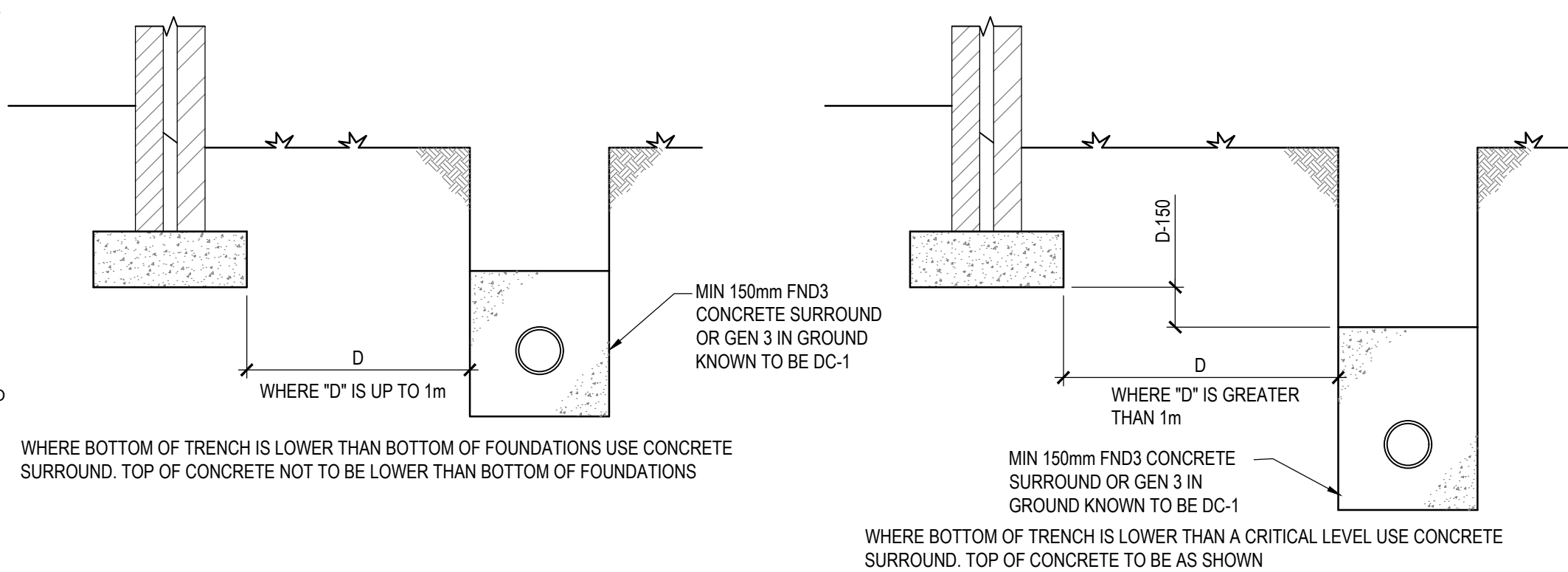
ROAD GULLY DETAIL

SCALE 1:20



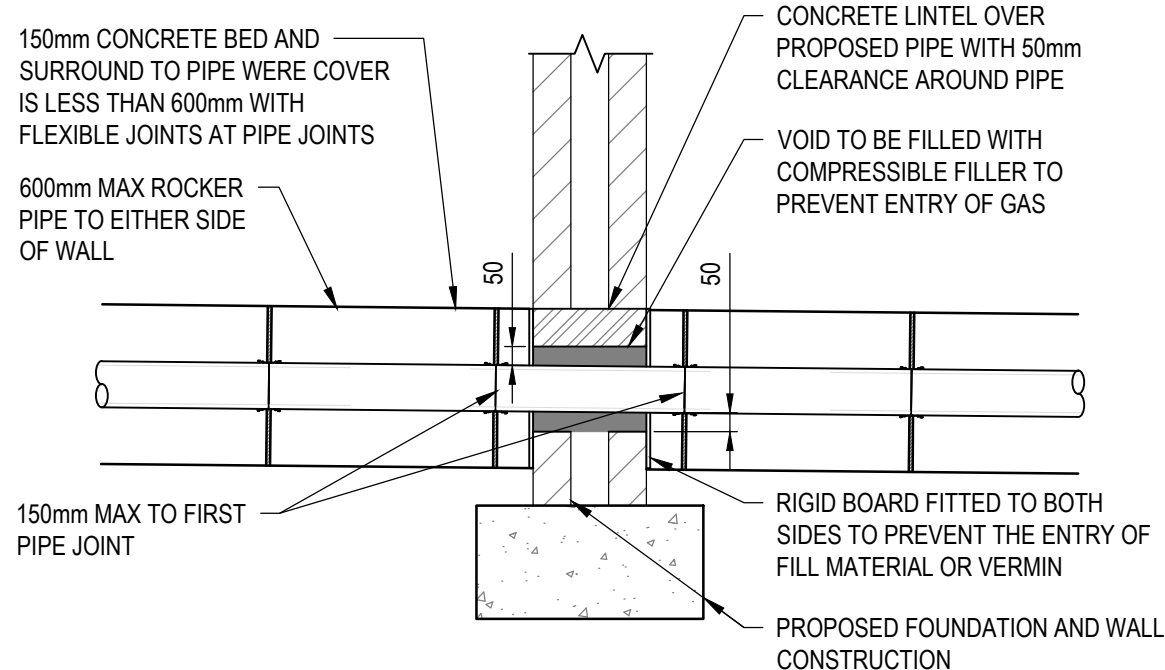
PIPE THROUGH FOUNDATION TYPICAL DETAIL

SCALE 1:20



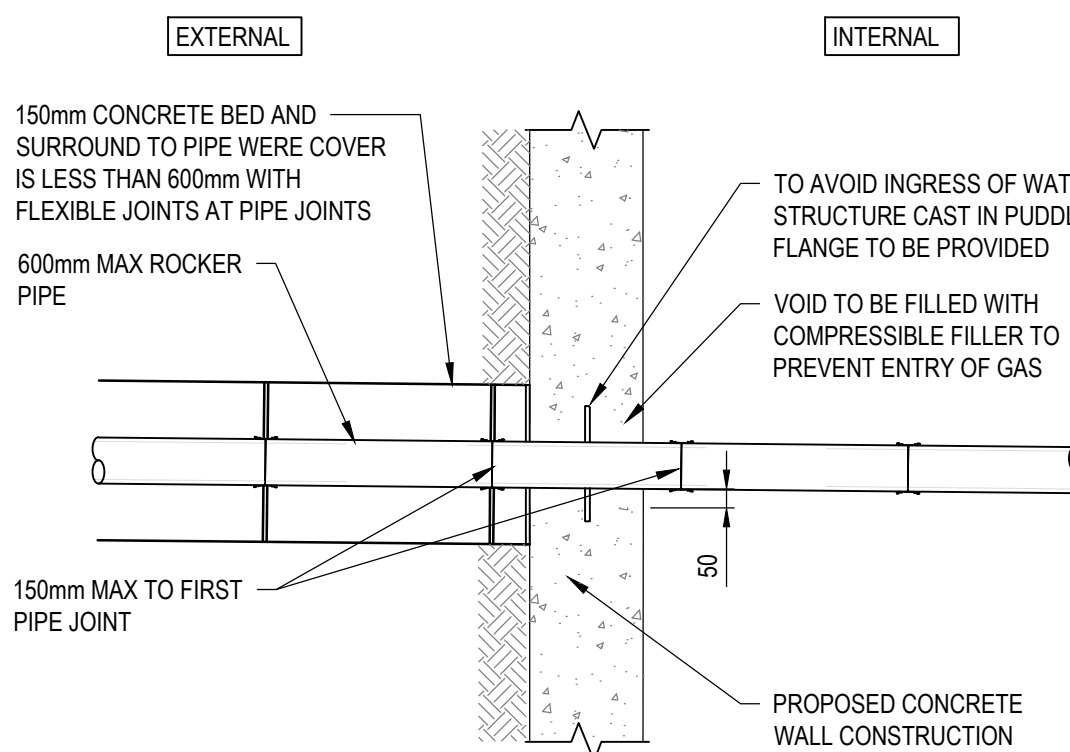
PIPES NEAR FOUNDATIONS

[SCALE 1:20]



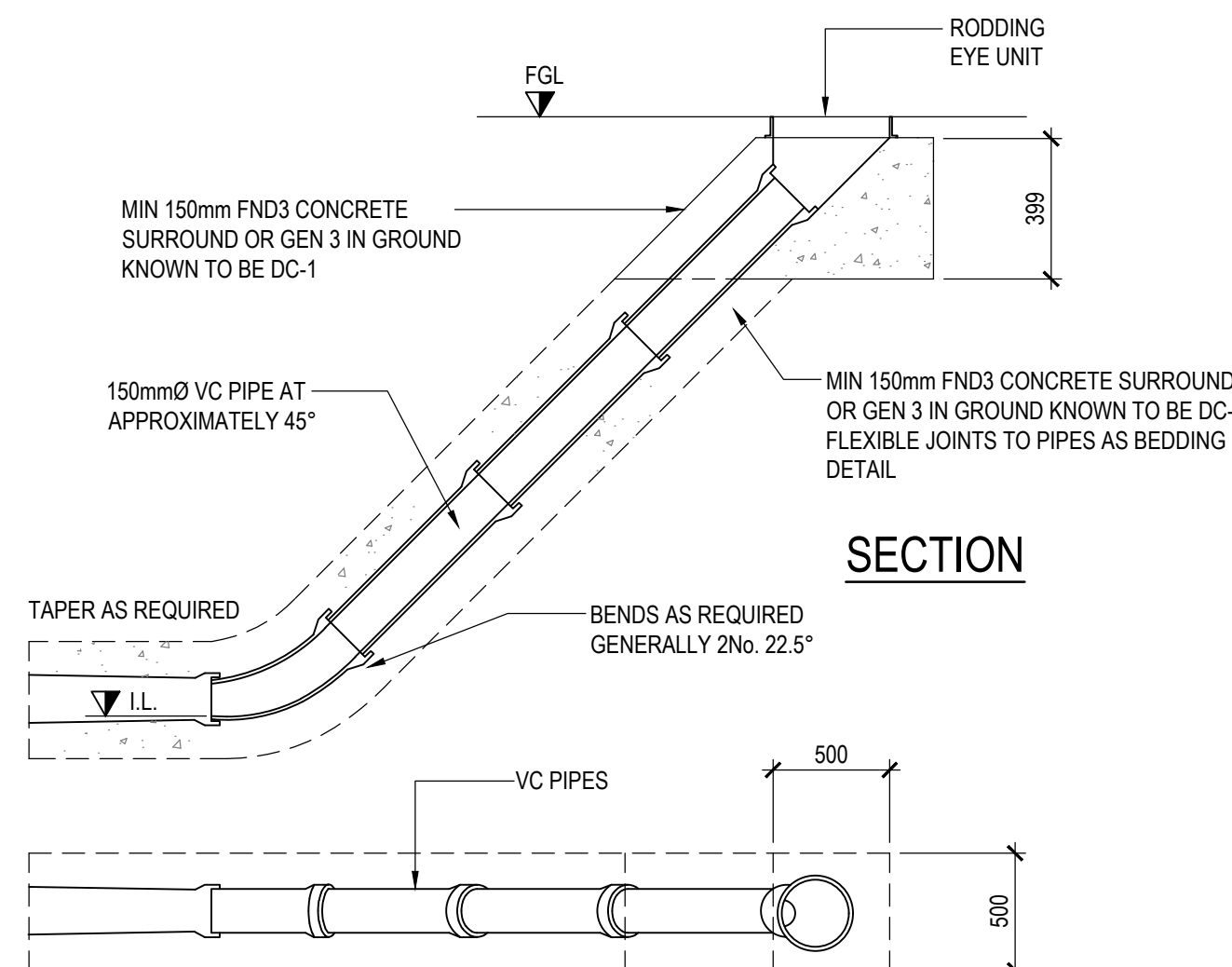
PIPE THROUGH FOUNDATION WALL

SCALE 1:20



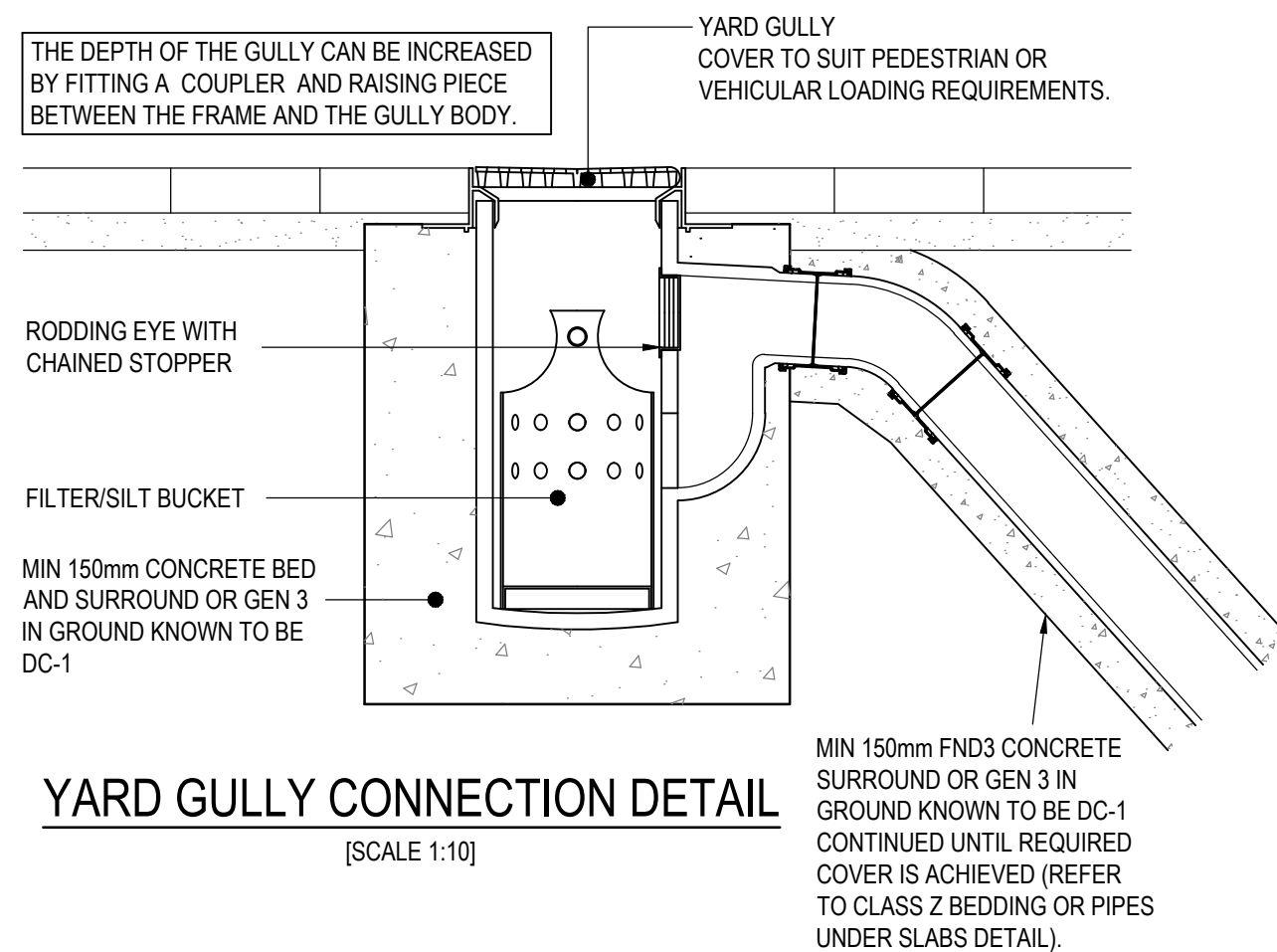
CAST-IN PIPE THROUGH CONCRETE WALL TYPICAL DETAIL

SCALE 1:20



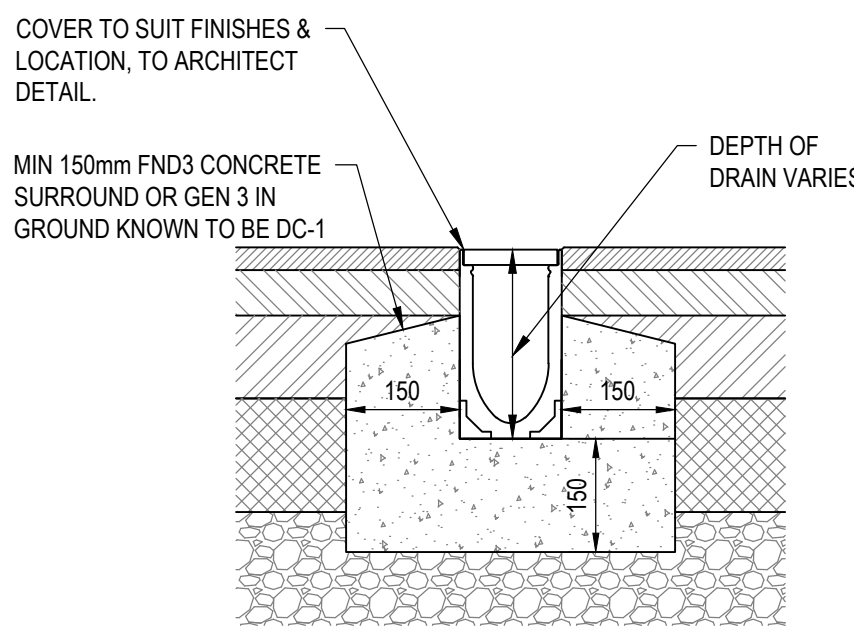
RODDING EYE DETAIL (PLAN & SECTION)

[SCALE 1:20]



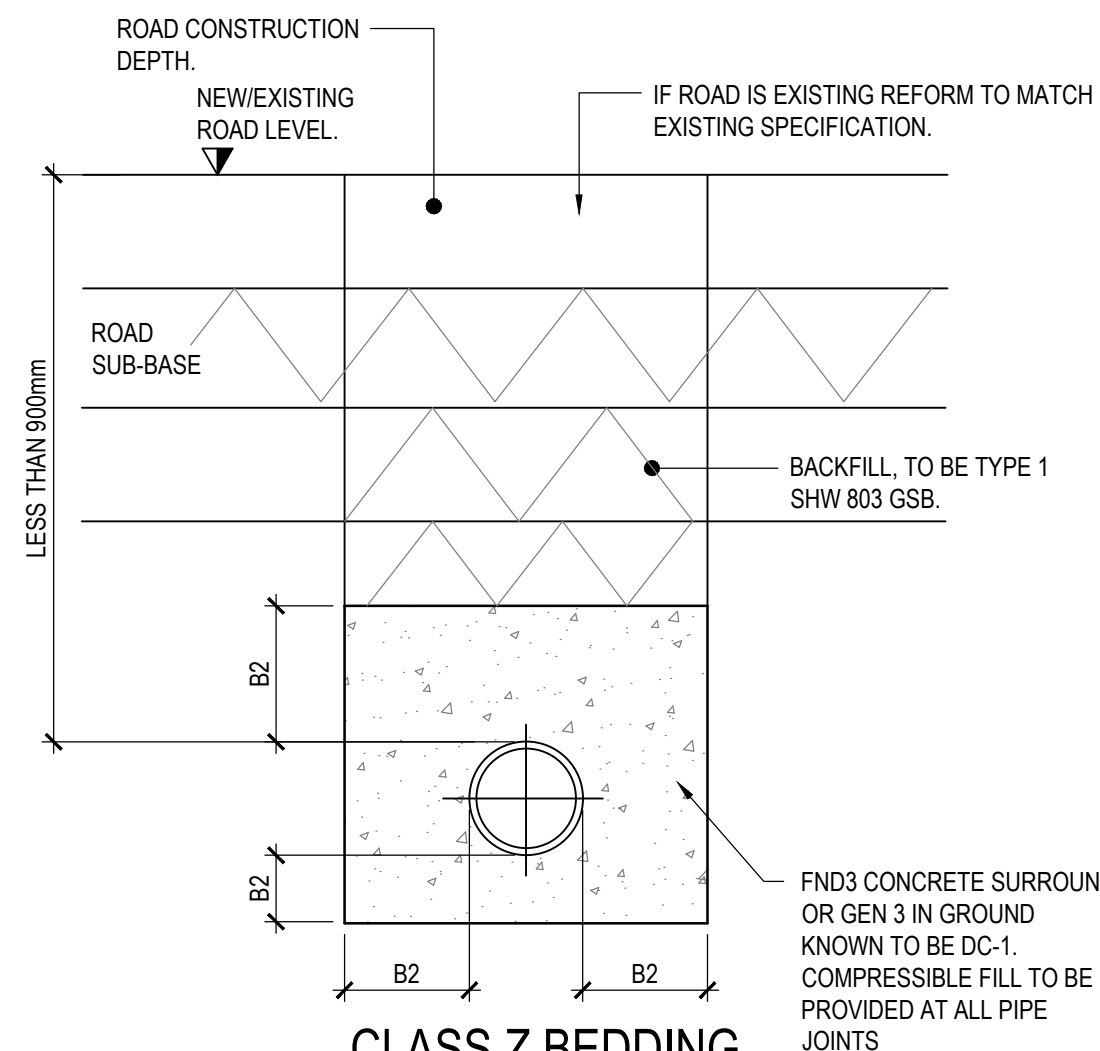
YARD GULLY CONNECTION DETAIL

SCALE 1:10



TYP. CHANNEL DRAIN DETAIL

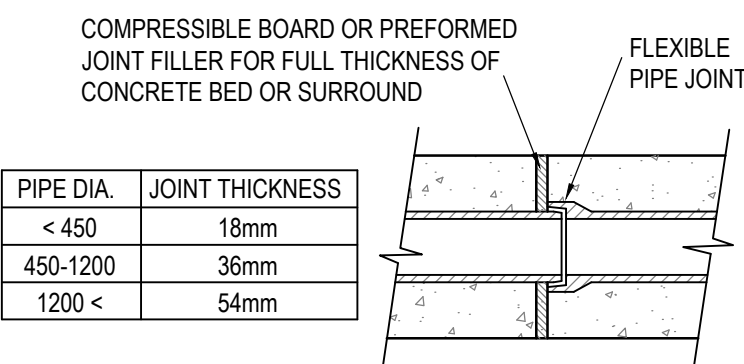
SCALE 1:10



CLASS Z BEDDING

CONCRETE SURROUND UNDER ROADS LESS THAN 1200mm COVER & NON-TRAFFICKED LESS THAN 900mm COVER.

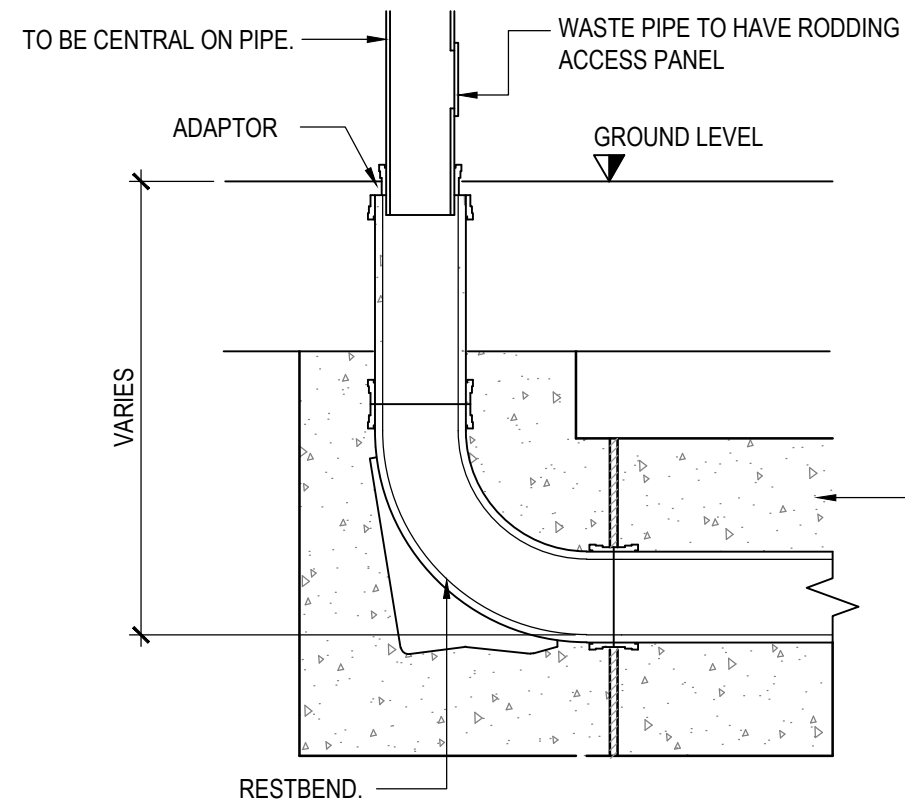
[SCALE 1:10 @ A1]



EXPANSION JOINT FOR CONCRETE

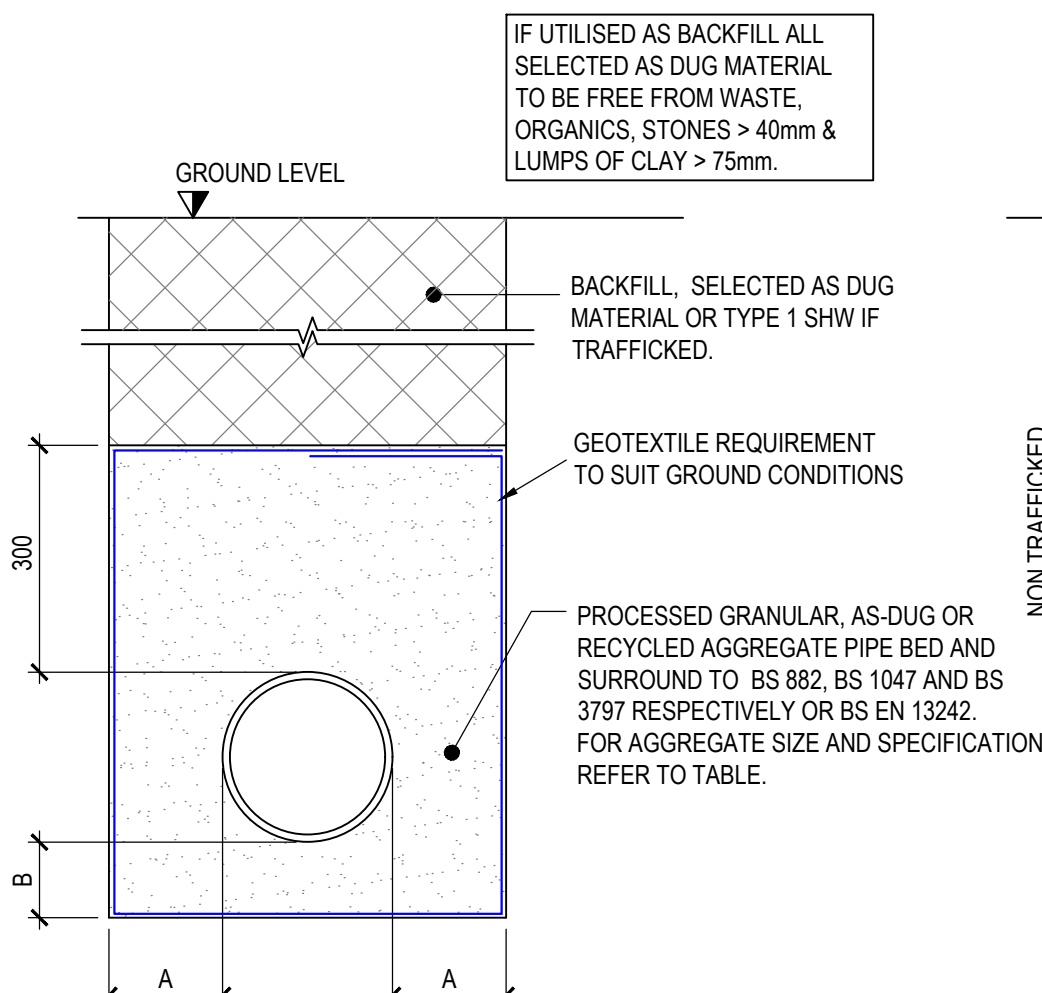
TO OCCUR AT EVERY JOINT

[SCALE 1:10 @ A1]



INTERNAL SVP / RWP DETAIL

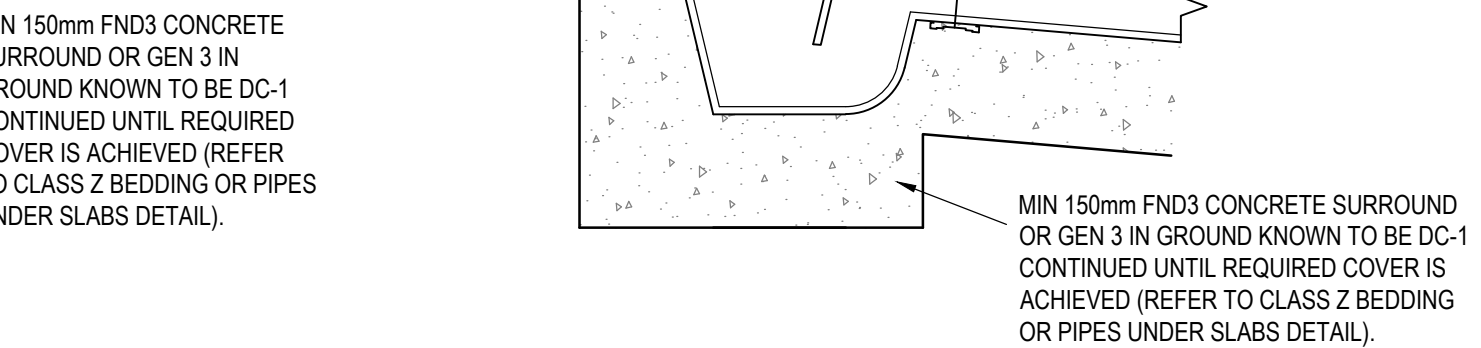
SCALE 1:10



CLASS S BEDDING

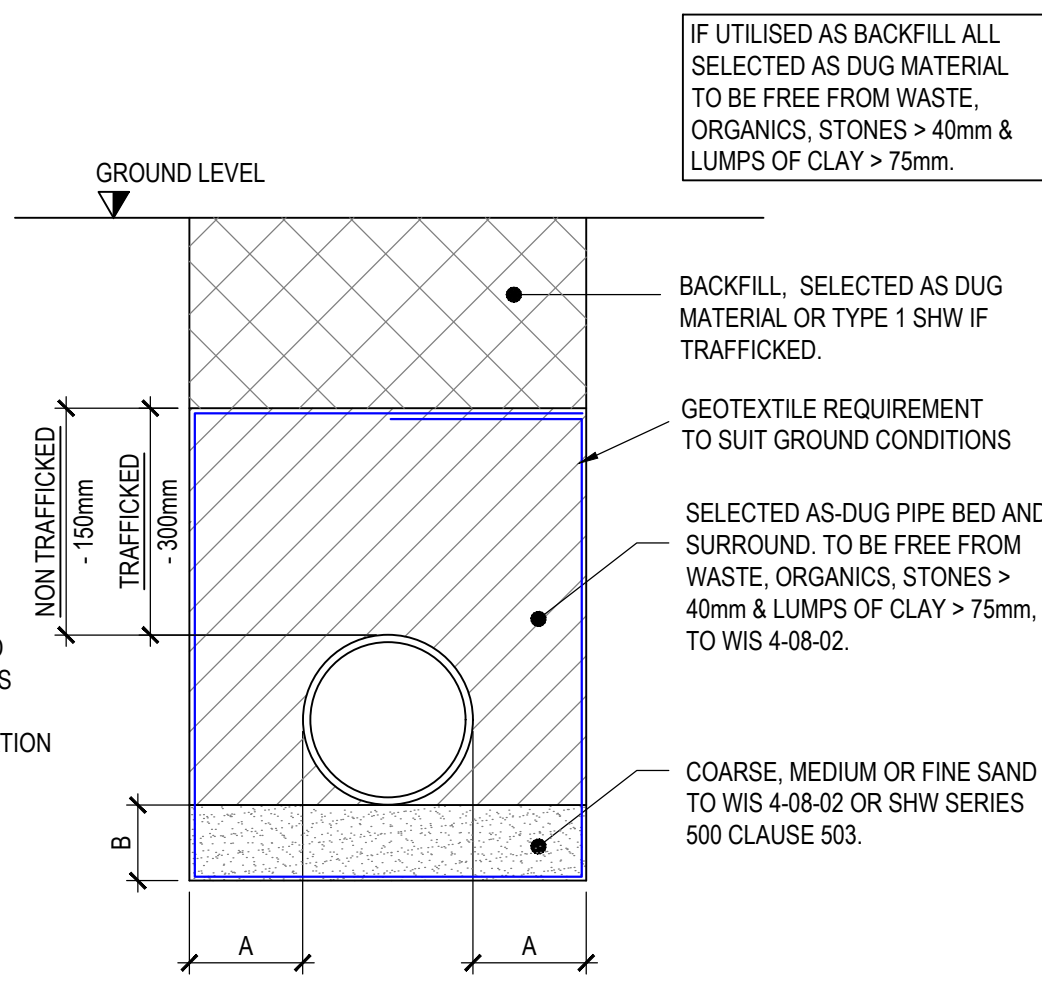
NON PRESSURISED PLASTIC PIPES

SCALE 1:10 @ A1



EXTERNAL RWP DETAIL

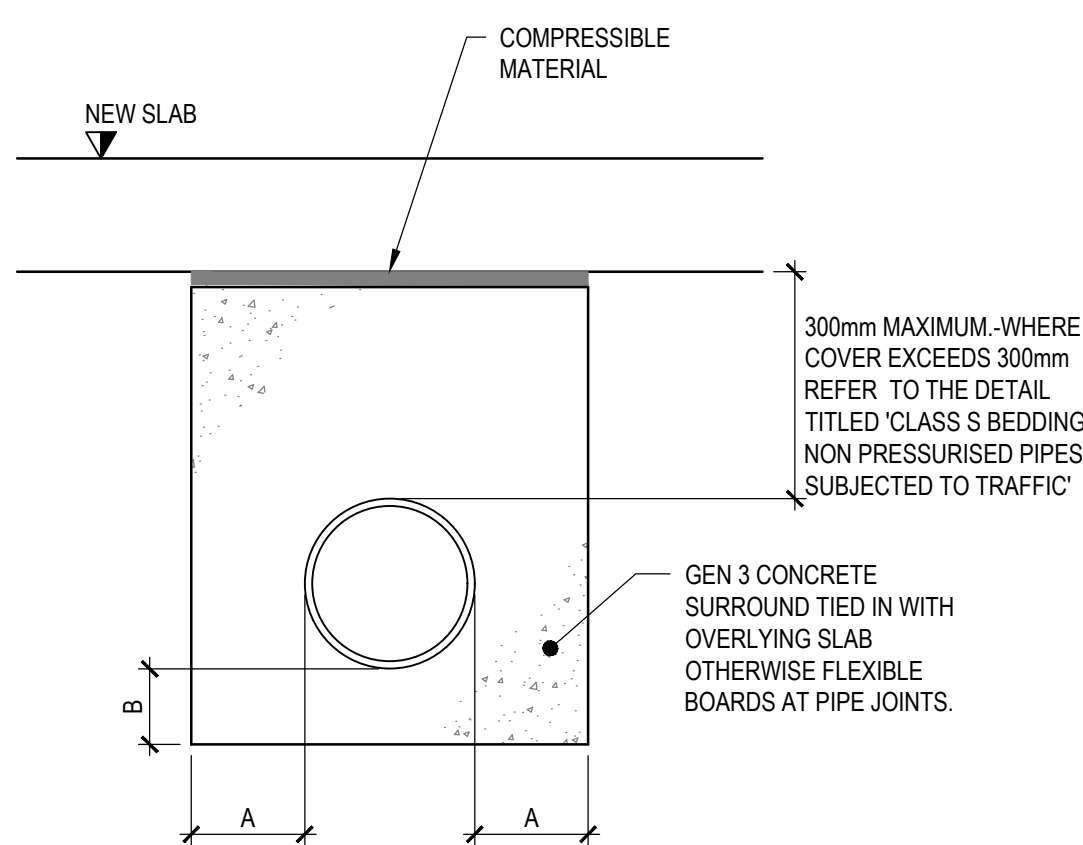
SCALE 1:10



CLASS N BEDDING

NON PRESSURISED RIGID PIPES

SCALE 1:10 @ A1



PIPES UNDER SLABS

SCALE 1:10

BEDDING CLASS DIMENSIONS FOR FLEXIBLE PIPES

PIPE NOM. ID	(A) MIN	(A) MAX	(B1) EVEN TRENCH BOTTOM	(B2) ROCK OR UNEVEN TRENCH BOTTOM
< 300mm	100mm	300mm	100mm	150mm
350mm	100mm	300mm	100mm	200mm
400-700mm	150mm	350mm	150mm	250mm
725-900mm	200mm	400mm	200mm	300mm
925-1200mm	250mm	550mm	250mm	350mm

PIPE SURROUND AGGREGATE SIZE (FROM WIS 4-08-02)

PIPE NOM. ID	CLASS OF BEDDING	PERMISSIBLE BEDDING MATERIAL
100mm	S	10mm NOM. SINGLE SIZE
	N	COURSE, MEDIUM OR FINE SAND
100-150mm	S	10 OR 14mm NOM. SINGLE SIZE OR 14-5mm GRADED
	N	COURSE, MEDIUM OR FINE SAND
150-300mm	S	10, 14 OR 20mm NOM. SINGLE SIZE OR 14-5mm GRADED
	N	ALL-IN AGG. OR COURSE, MEDIUM OR FINE SAND
300-550mm	S	14 OR 20mm NOM. SINGLE SIZE OR 14-5mm GRADED
	N	ALL-IN AGG. OR COURSE, MEDIUM OR FINE SAND
OVER 550mm	S	14, 20 OR 40mm NOM. SINGLE SIZE OR 14-5mm GRADED
	N	ALL-IN AGG. OR COURSE, MEDIUM OR FINE SAND

NOTE: PROCESSED AGGREGATE MATERIALS TO BS 882, AIR-COOLED BLAST FURNACE SLAG TO BS 1047 AND LIGHTWEIGHT AGGREGATES TO BS 379

General notes

- This drainage drawing is to be read in conjunction with all relevant Architect's, Engineer's drawings and specifications.
- Do not scale this drawing. Any ambiguities, omissions and errors on the drawings shall be brought to the Engineer's attention immediately. All dimensions must be checked and verified on-site before construction commences.
- All dimensions are in Metres unless otherwise noted.
- All levels in mAOD unless otherwise noted.
- The contractor is responsible for verifying the accuracy of the topographical survey and undertaking additional surveys for validation purposes.
- Refer To SGI Drawing C1811-SGI-ZZ-XX-DR-C-110 for drainage notes

Drainage notes

Dwg No. C1811-SGI-ZZ-XX-DR-C-113

Ref.

P01	PRELIMINARY ISSUE	AS	20.12.24
Rev.	Description	By	Date

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Client
Great Places Housing Group

Project
Russell Road. Whalley Range

Title
**DRAINAGE DETAILS
SHEET 2 OF 3**

Date	20.12.24	Drawn By	AS
Size	A1	Checked By	RBG
Scale	AS NOTED	Approved By	RBG

SGI Proj No.	RIBA	Status Code	Issue Status
C1811			

Dwg No. C1811-SGI-ZZ-XX-DR-C-113

Ref.