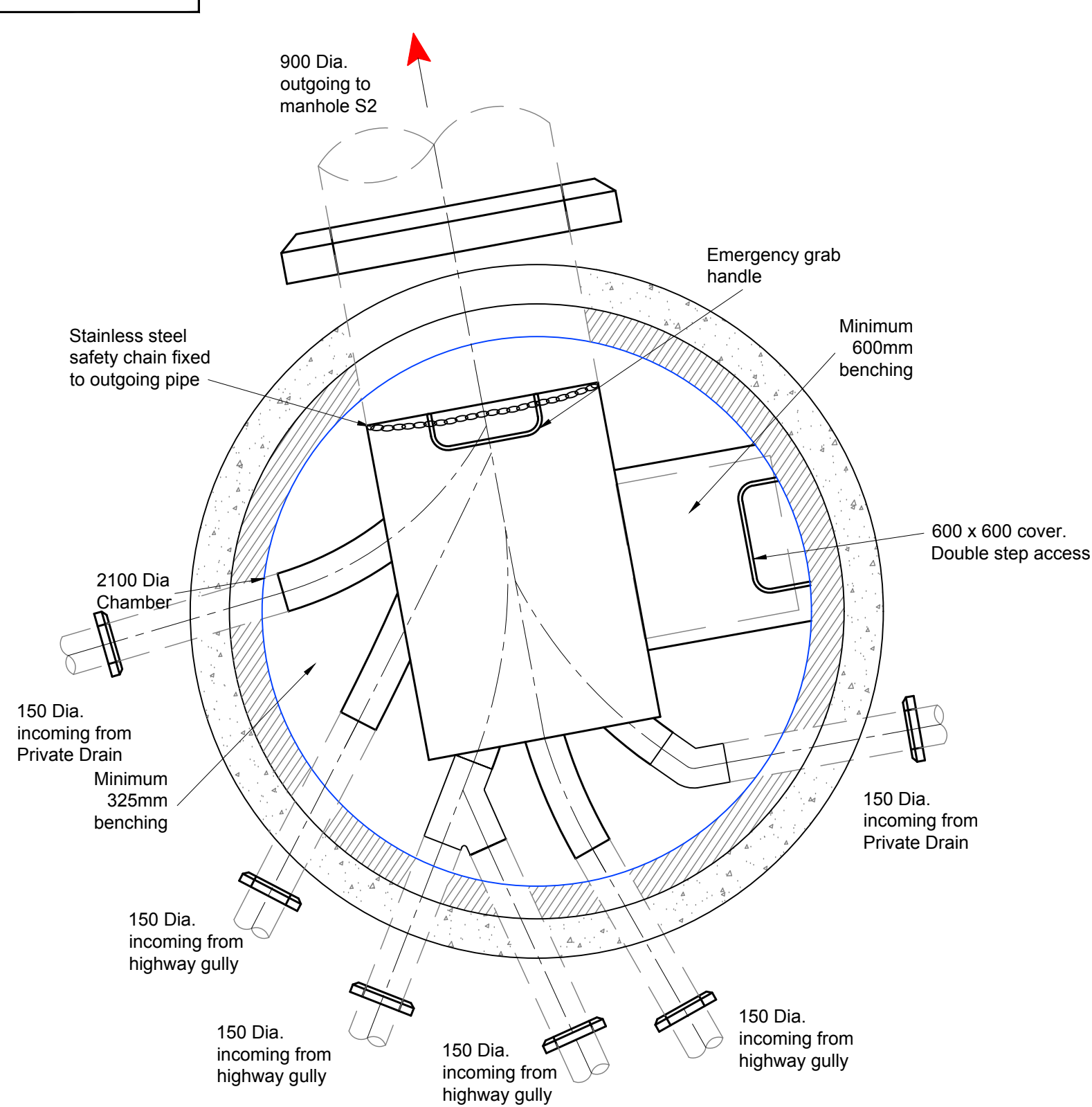
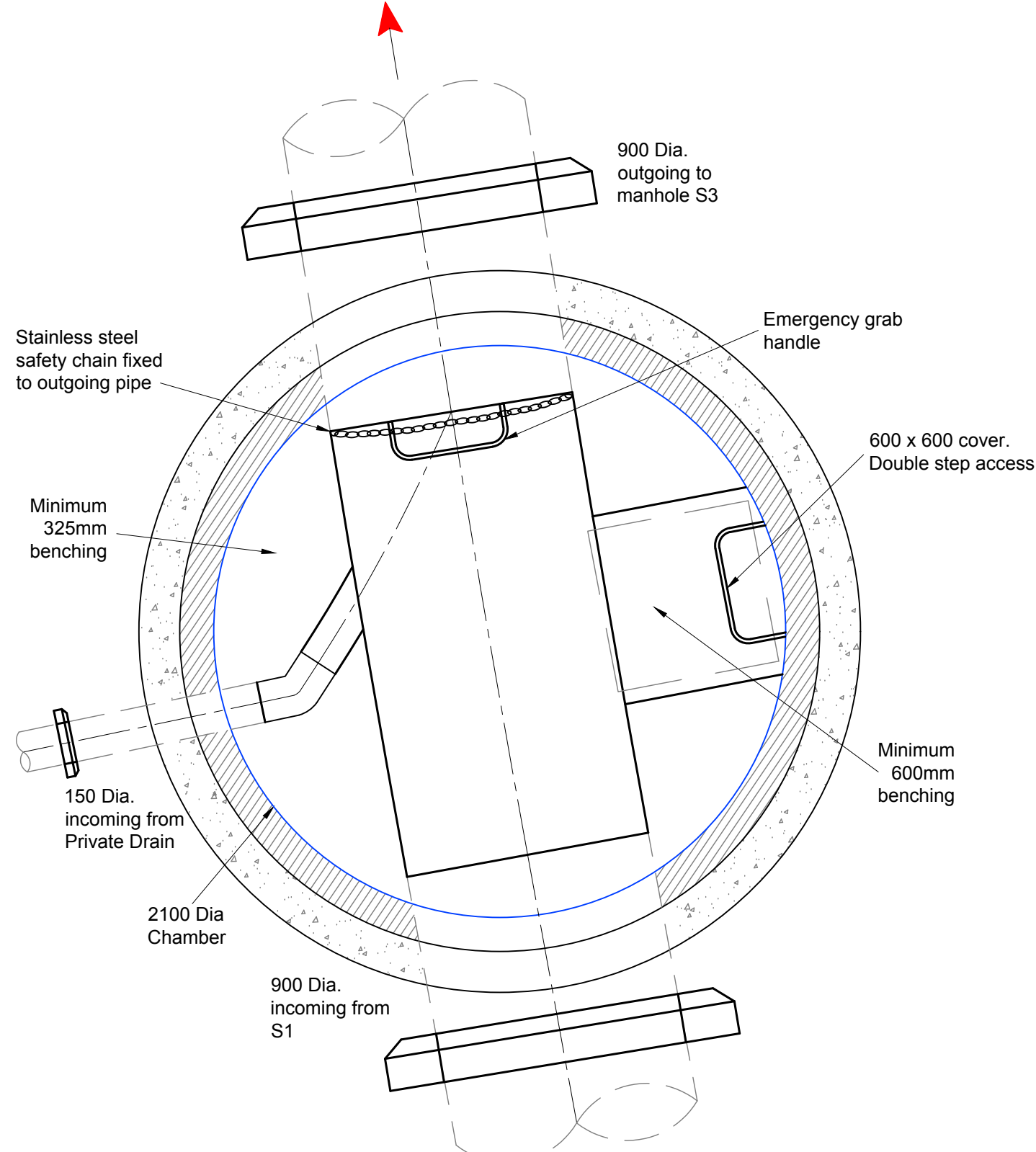


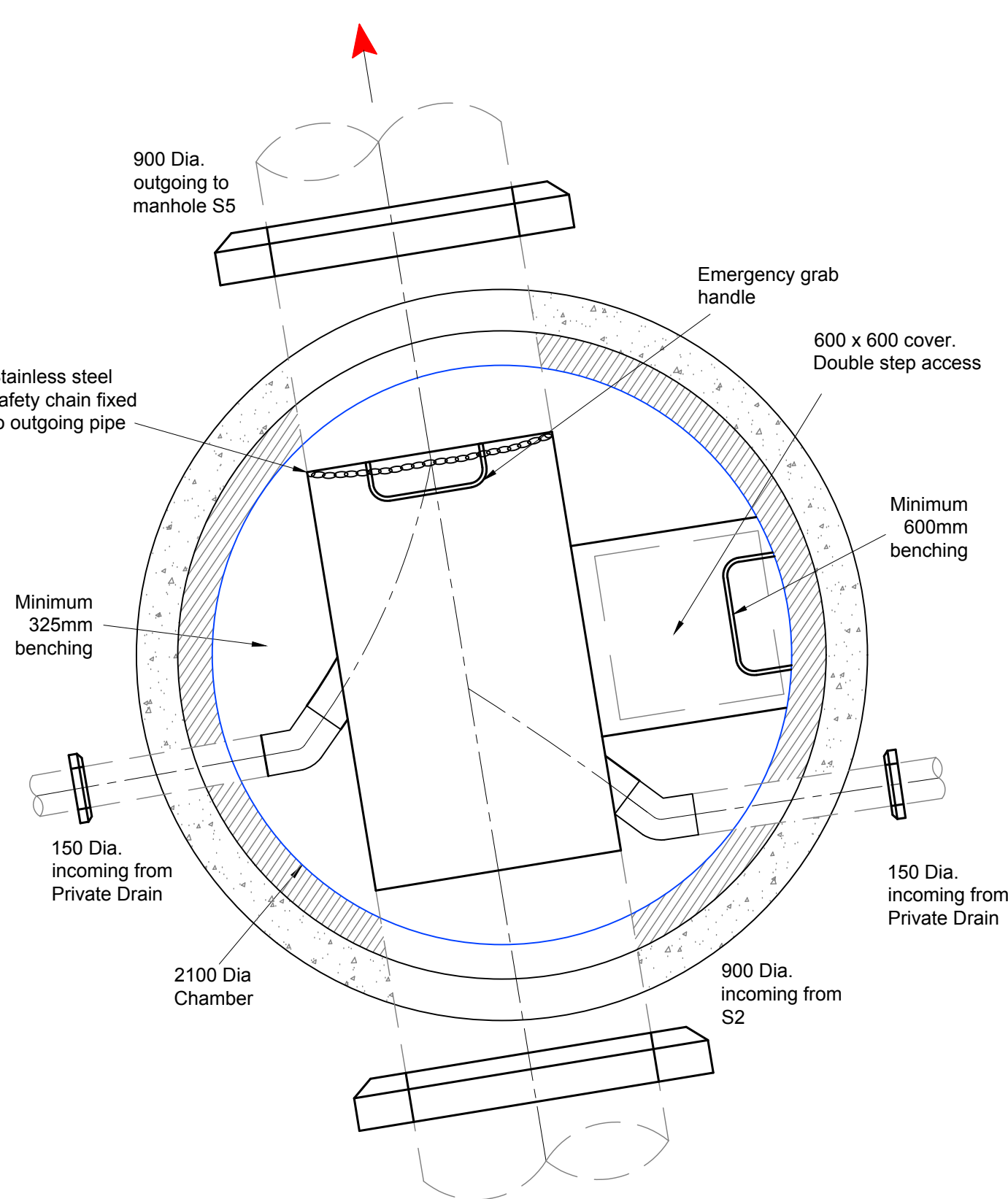
DO NOT SCALE



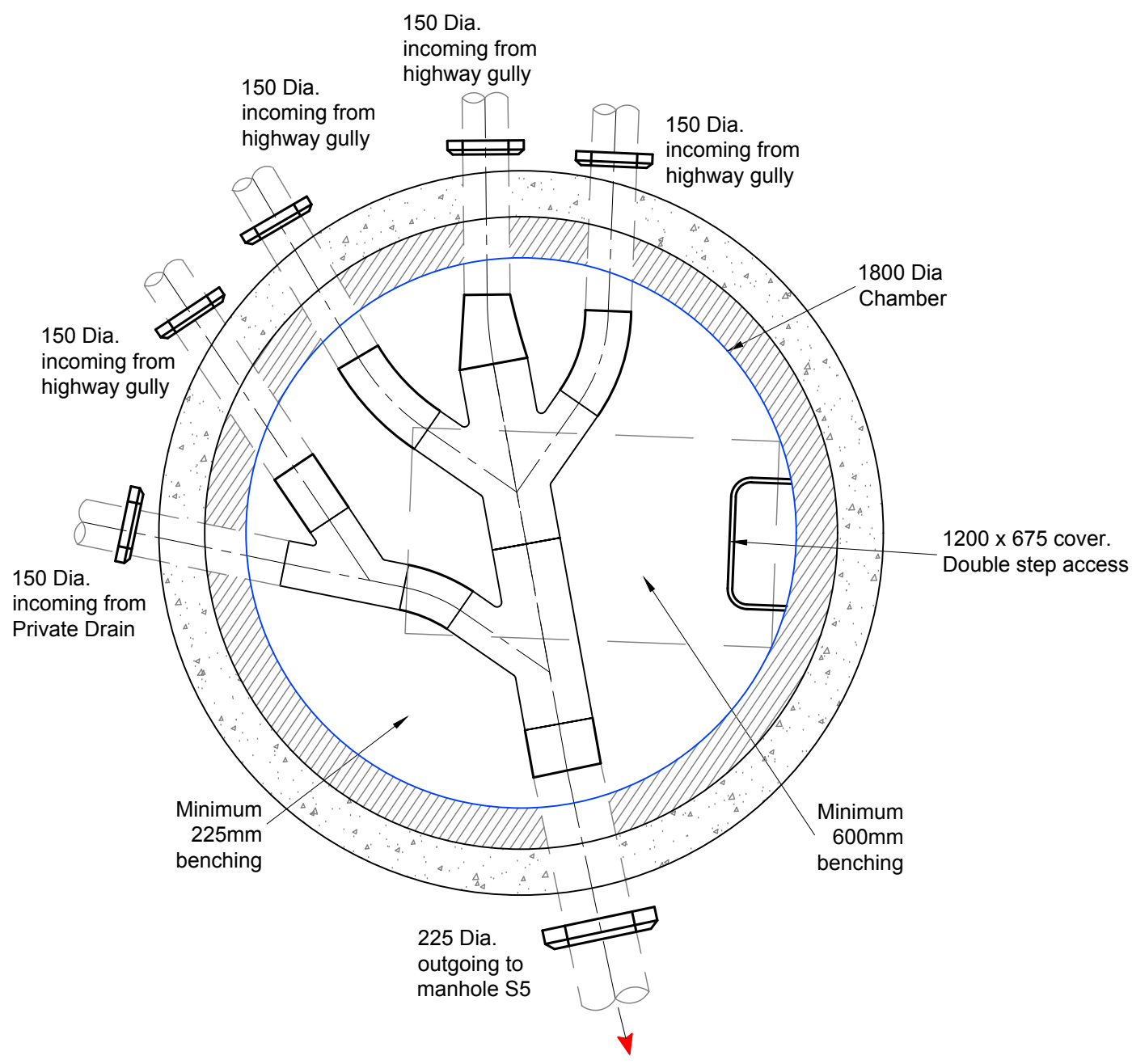
Manhole	S1
MH Diameter	2100mm
Cover Level	81.887
Invert Level	78.939
MH Type	UU Shallow
Depth to Soffit	2.048
Depth to Cut-Out Recess (SW storage MHS only)	2.798
Cover Size	600 x 600 mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Double step
Safety Chain	Yes
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	750 x 600 mm



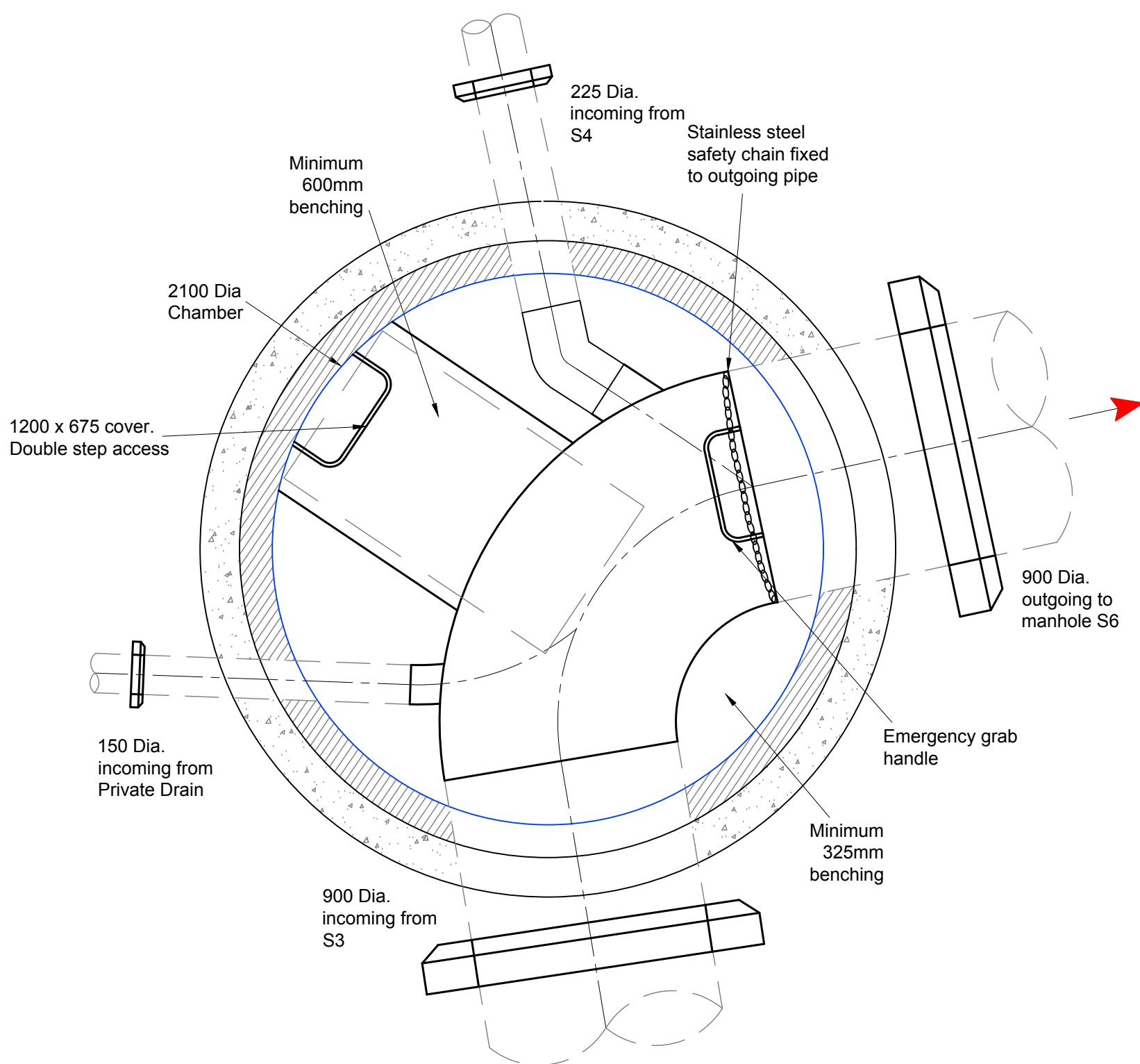
Manhole	S2
MH Diameter	2100mm
Cover Level	81.852
Invert Level	78.877
MH Type	UU Shallow
Depth to Soffit	2.075
Depth to Cut-Out Recess (SW storage MHS only)	2.825
Cover Size	600 x 600 mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Double step
Safety Chain	Yes
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	750 x 600 mm



Manhole	S3
MH Diameter	2100mm
Cover Level	81.450
Invert Level	78.813
MH Type	UU Shallow
Depth to Soffit	1.737
Depth to Cut-Out Recess (SW storage MHS only)	2.487
Cover Size	600 x 600 mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Double step
Safety Chain	Yes
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	750 x 600 mm



Manhole	S4
MH Diameter	1800mm
Cover Level	80.791
Invert Level	79.506
MH Type	Type 4
Depth to Soffit	1.060
Depth to Cut-Out Recess (SW storage MHS only)	N/A
Cover Size	1200 x 675 mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Double step
Safety Chain	No
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	1200 x 675 mm



Manhole	S5
MH Diameter	2100mm
Cover Level	81.011
Invert Level	78.743
MH Type	UU Shallow
Depth to Soffit	1.368
Depth to Cut-Out Recess (SW storage MHS only)	2.118
Cover Size	1200 x 675 mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Double step
Safety Chain	Yes
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	1200 x 675 mm

Notes

- All works shall be in accordance with Sewers for Adoption 6th Edition and United Utilities Standard Details and Guidelines.
- Step Rungs shall be installed in accordance to BS EN 13101.
- Manholes shall be to United Utilities Standard Detail STND/01/001. Ladders, Safety chains and Handrailing shall be to Standard Detail STND/01/002. Back-drops shall be to Standard Detail STND/01/003.
- 150mm min concrete surround required for all adopted Manholes.
- Rocker pipes shall be provided in accordance with United Utilities Standard Detail STND/19/010.
- Pipe materials as table below or similar approved by United Utilities.
- All lateral connections will be made at soffit level to the main channel.

Pipe Materials Table

Pipe Materials Table	Pipe Materials Table
150	CLAYWARE
225	CLAYWARE
300	CLAYWARE
375	CONCRETE
450	CONCRETE
600	CONCRETE
750	CONCRETE
900	CONCRETE
1200	CONCRETE
1500	CONCRETE

Bedding and Surround Table

Depth to Soffit	Bedding and Surround Type
>1.2m	Class S
<1.2m	Class Z

APPROVAL

B	19.01.21	Updated to suit UU comments	PW	AJ
A	04.01.21	Updated to suit UU comments	LW	AJ
Rev.	Date	Revision	By	Appd.



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Client

BRANLEY HOMES LTD

Project
White House Club, Middleton Road,
Manchester

Title
Surface Water Manhole Details
Sheet 1 of 5

DRAWING NUMBER	SCALE at A1	1:20
7424 / 12-1	DATE	?
	DRAWN	PW
	CHECKED	AJ
	REVISION	B