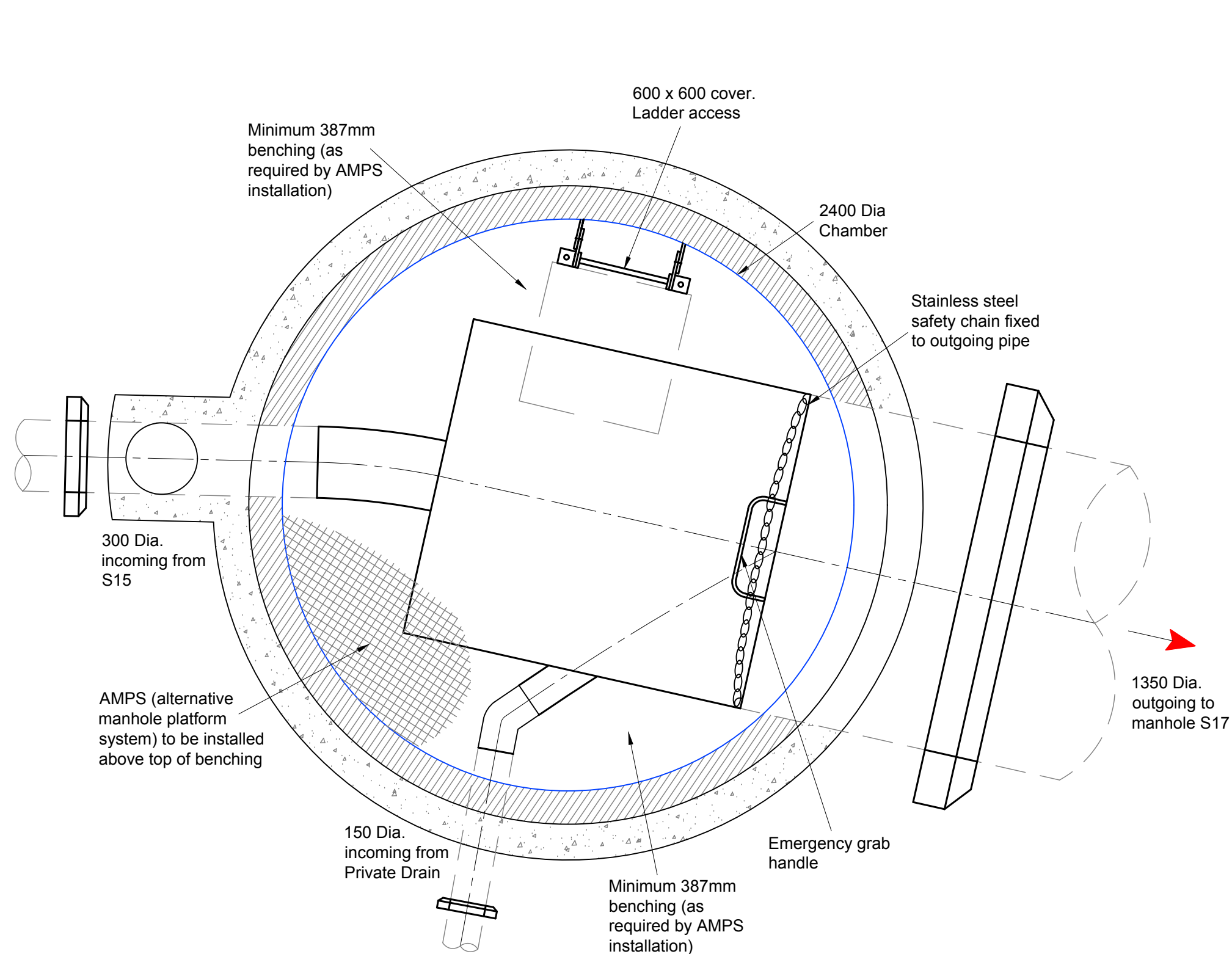
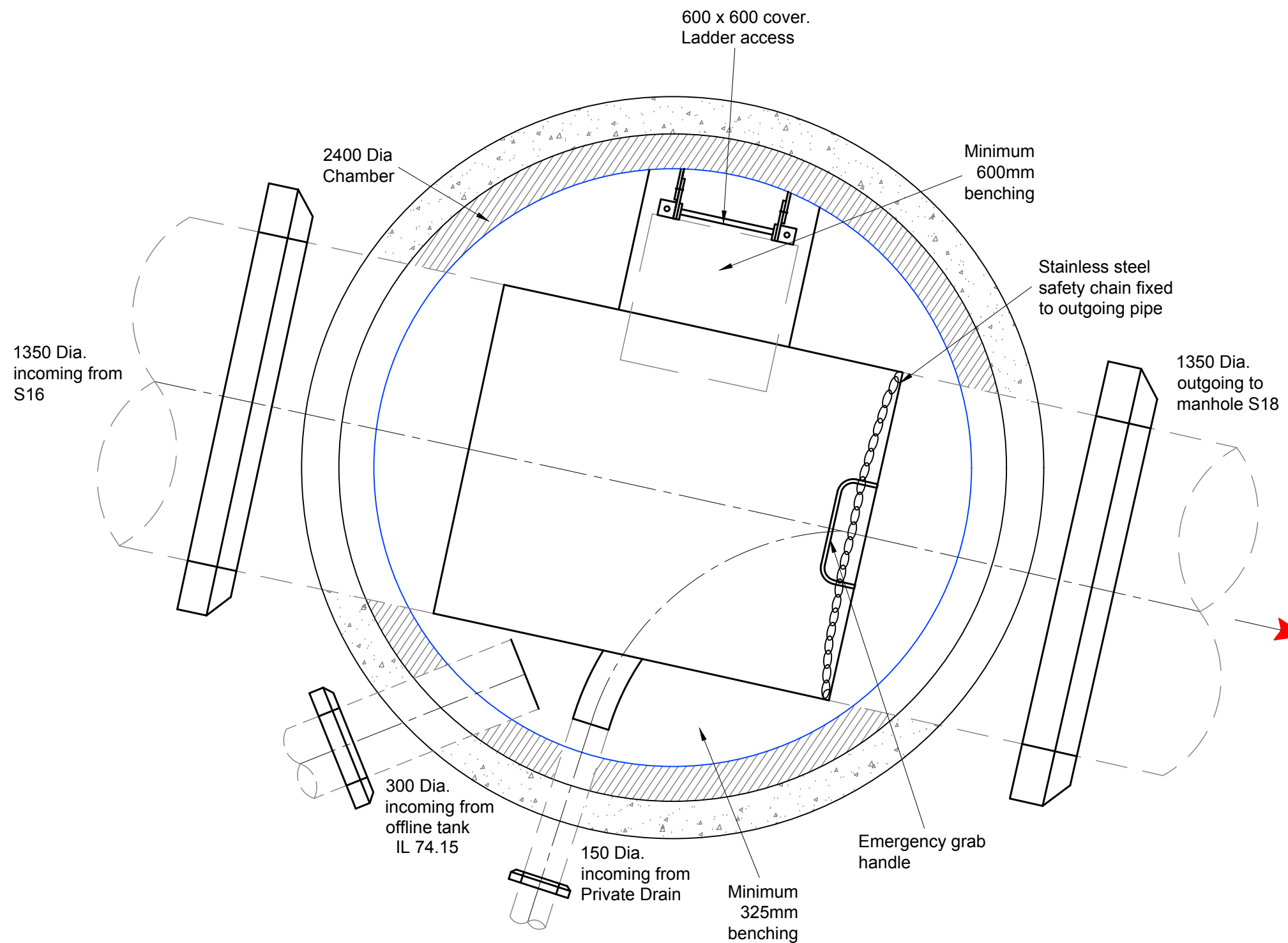
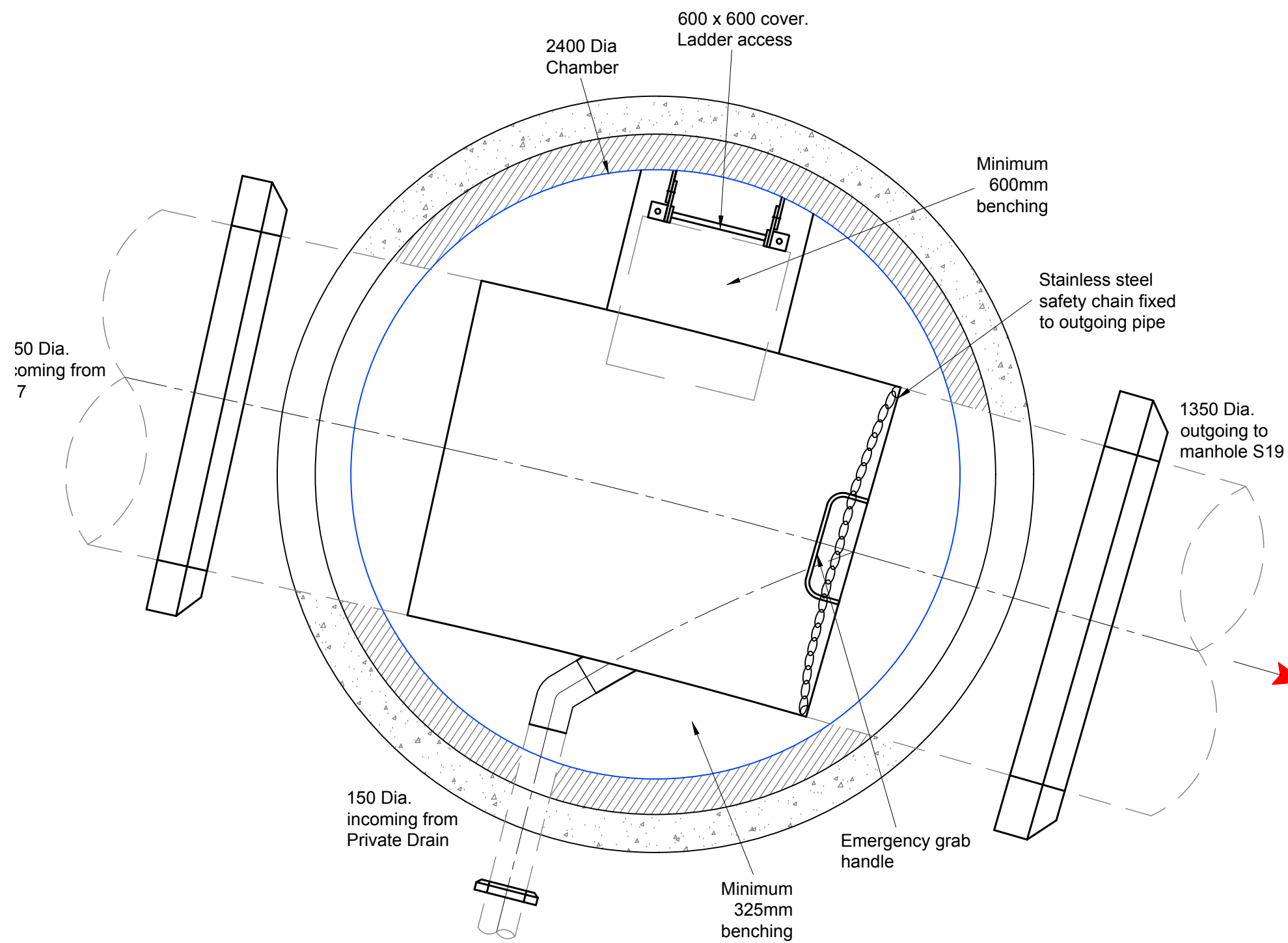




Manhole	S16
MH Diameter	2400mm
Cover Level	77.700
Invert Level	72.518
MH Type	AMPS
Depth to Soffit	3.832
Depth to Cut-Out Recess (SW storage MHs only)	N/A
Cover Size	600 x 600 mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Ladder
Safety Chain	Yes
Safety Rails	No
Invert Access Steps	No



Manhole	S17
MH Diameter	2400mm
Cover Level	76.274
Invert Level	72.445
MH Type	UU Shallow
Depth to Soffit	2.479
Depth to Cut-Out Recess (SW storage MHs only)	3.679
Cover Size	600 x 600 mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Ladder
Safety Chain	Yes
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	750 x 600 mm



Manhole	S18
MH Diameter	2400mm
Cover Level	75.915
Invert Level	72.390
MH Type	UU Shallow
Depth to Soffit	2.175
Depth to Cut-Out Recess (SW storage MHs only)	3.375
Cover Size	600 x 600 mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Ladder
Safety Chain	Yes
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	750 x 600 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

D	09.06.21	Updated S16 and S17	PW	AJ
C	07.06.21	Updated S17	PW	AJ
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 4 of 5

DRAWING NUMBER	SCALE at A1	1:20	
7424 / 12-4	DATE	?	REVISION
	DRAWN	PW	D
	CHECKED	AJ	