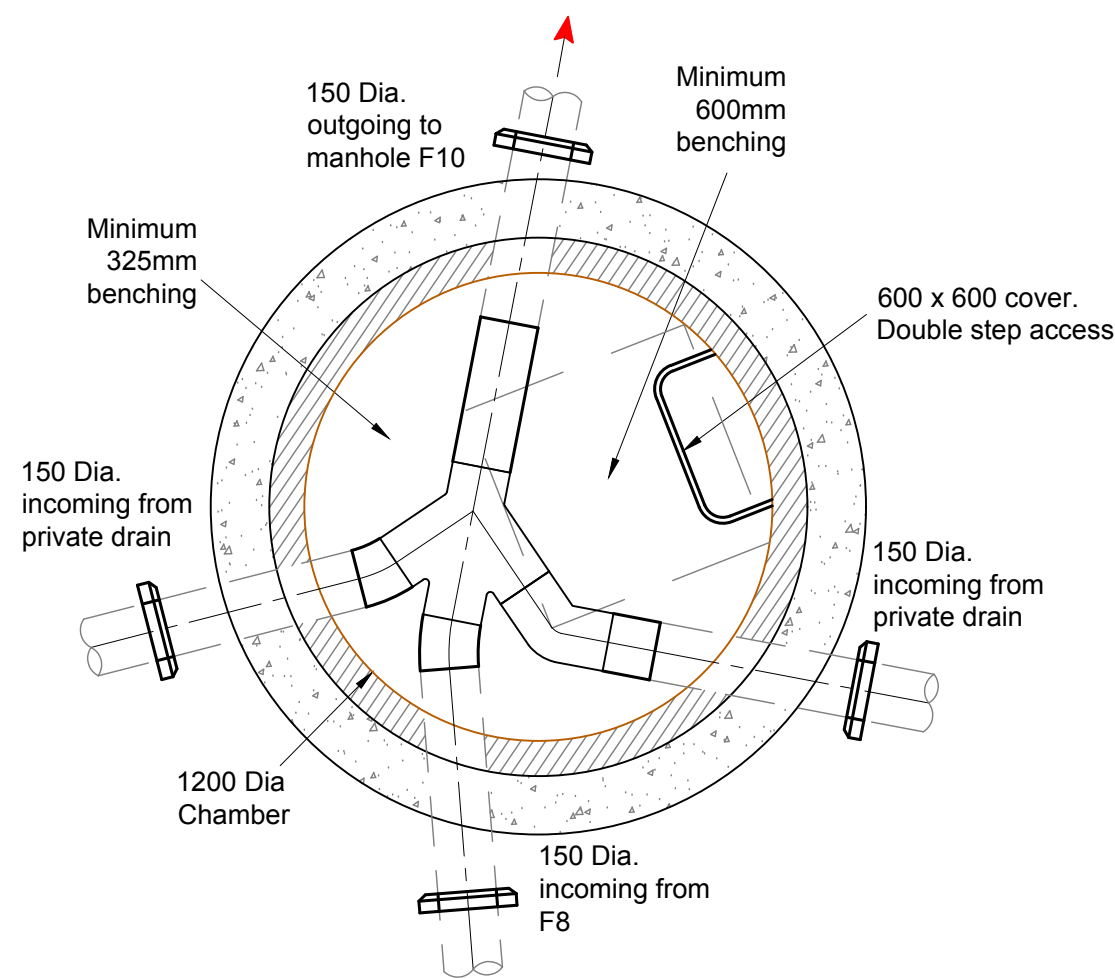
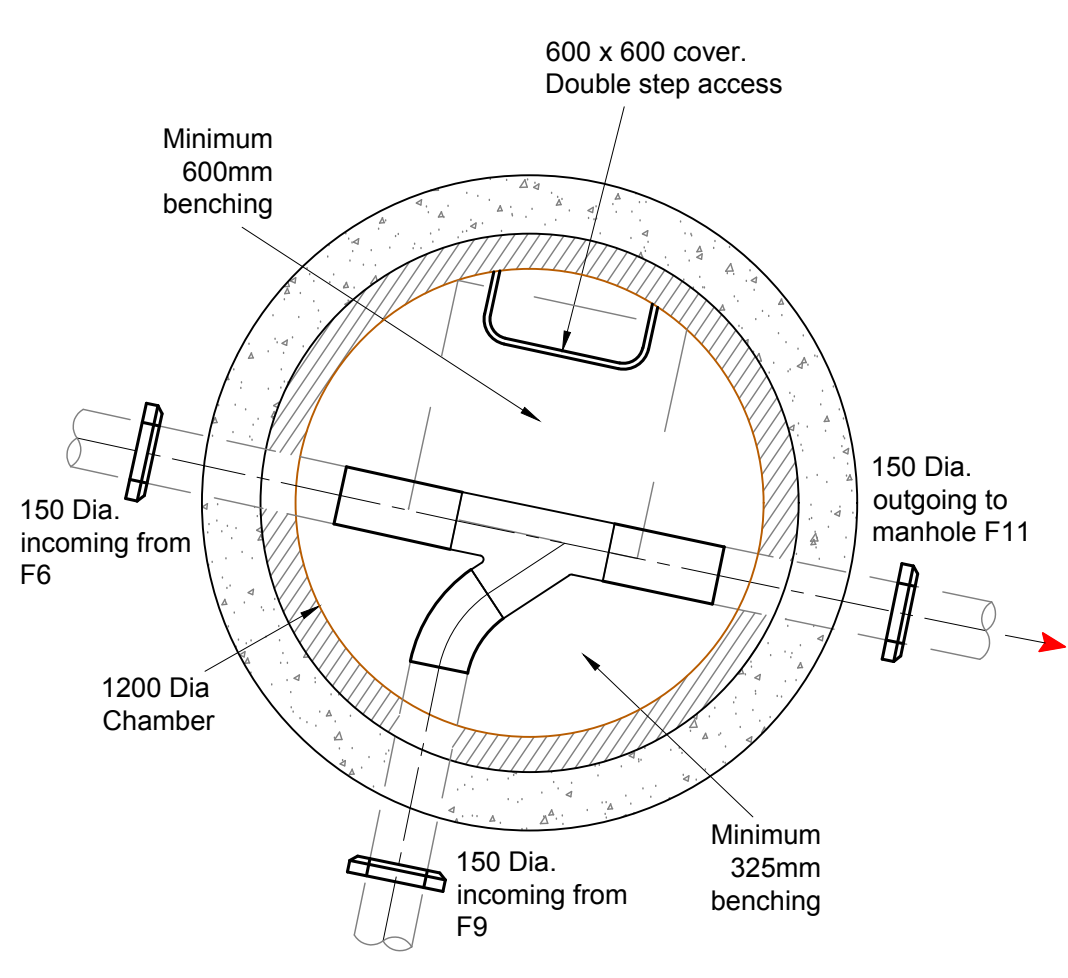
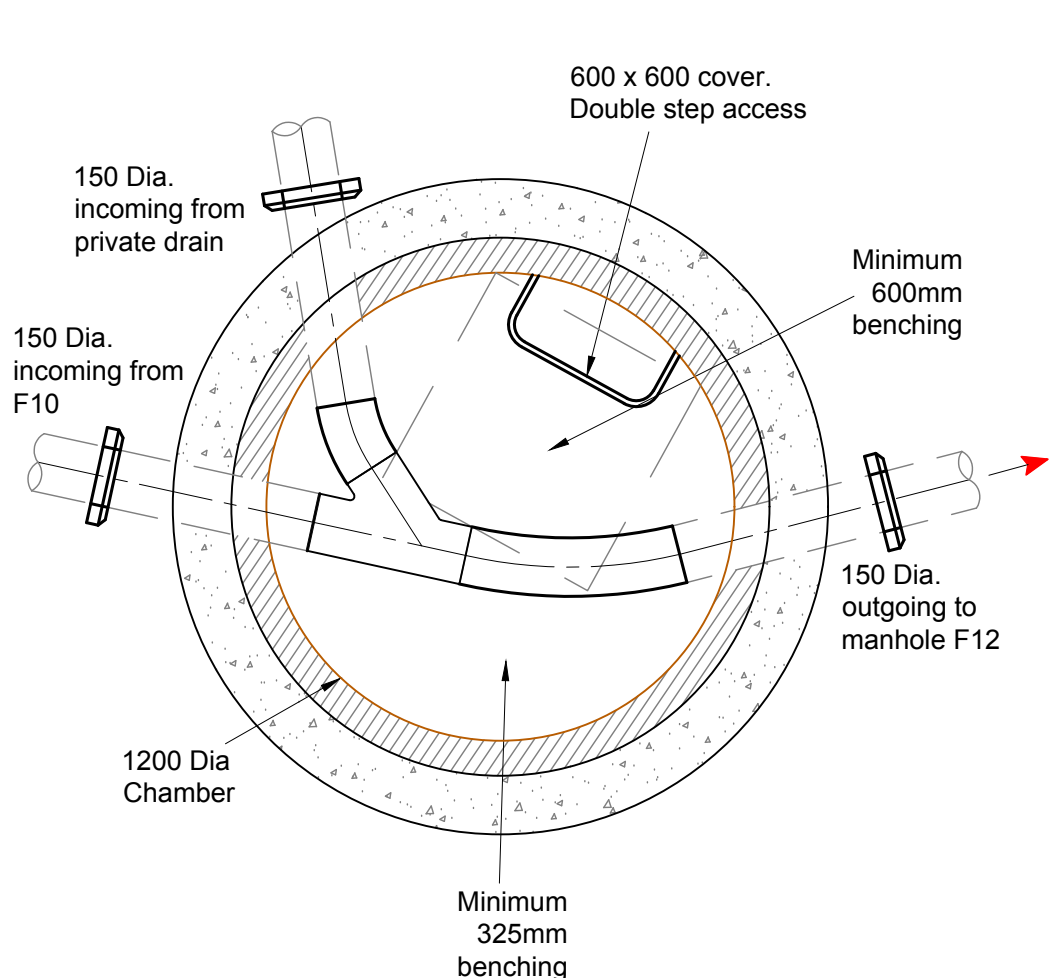




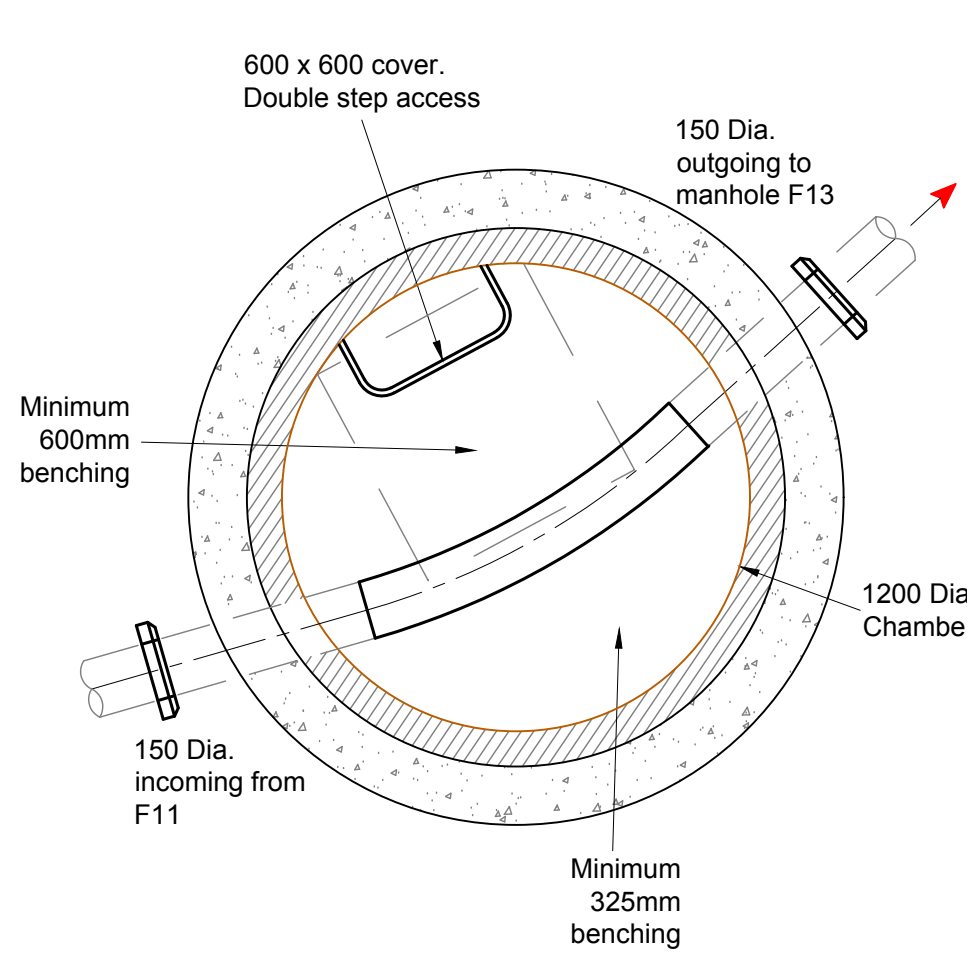
Manhole	F9
MH Diameter	1200mm
Cover Level	81.046
Invert Level	78.058
MH Type	Type 1
Depth to Soffit	2.838
Depth to Cut-Out Recess (SW storage MHs only)	N/A
Cover Size	600 x 600 mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Double step
Safety Chain	No
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	750 x 600 mm



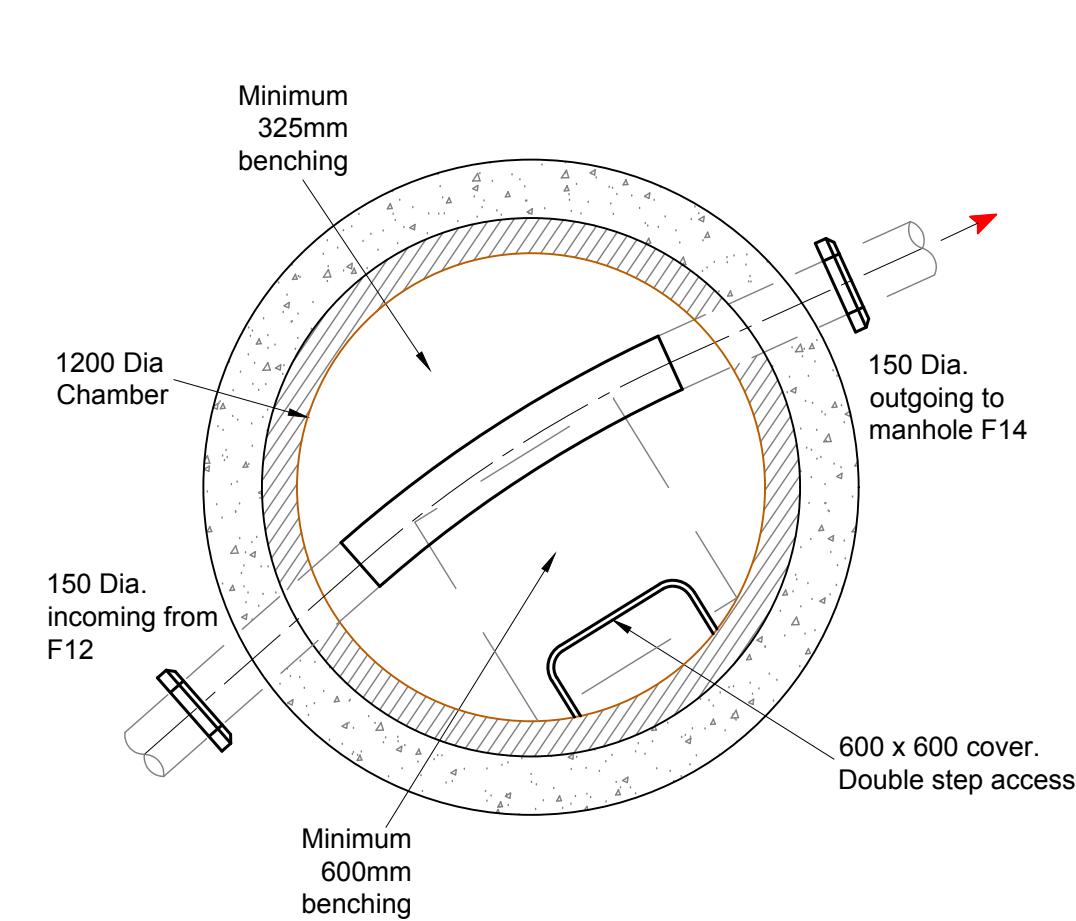
Manhole	F10
MH Diameter	1200mm
Cover Level	81.031
Invert Level	77.997
MH Type	Type 1
Depth to Soffit	2.884
Depth to Cut-Out Recess (SW storage MHs only)	N/A
Cover Size	600 x 600 mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Double step
Safety Chain	No
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	750 x 600 mm



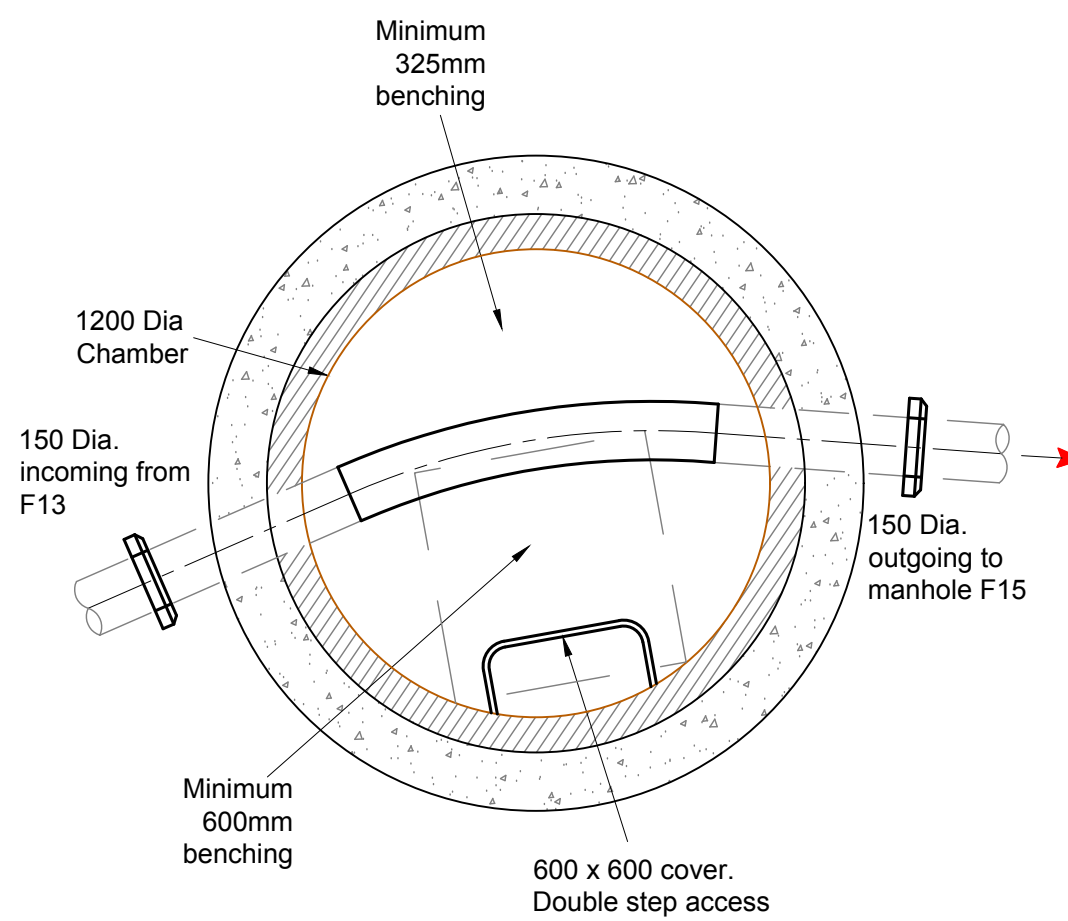
Manhole	F11
MH Diameter	1200mm
Cover Level	80.266
Invert Level	77.849
MH Type	Type 1
Depth to Soffit	2.267
Depth to Cut-Out Recess (SW storage MHs only)	N/A
Cover Size	600 x 600 mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Double step
Safety Chain	No
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	750 x 600 mm



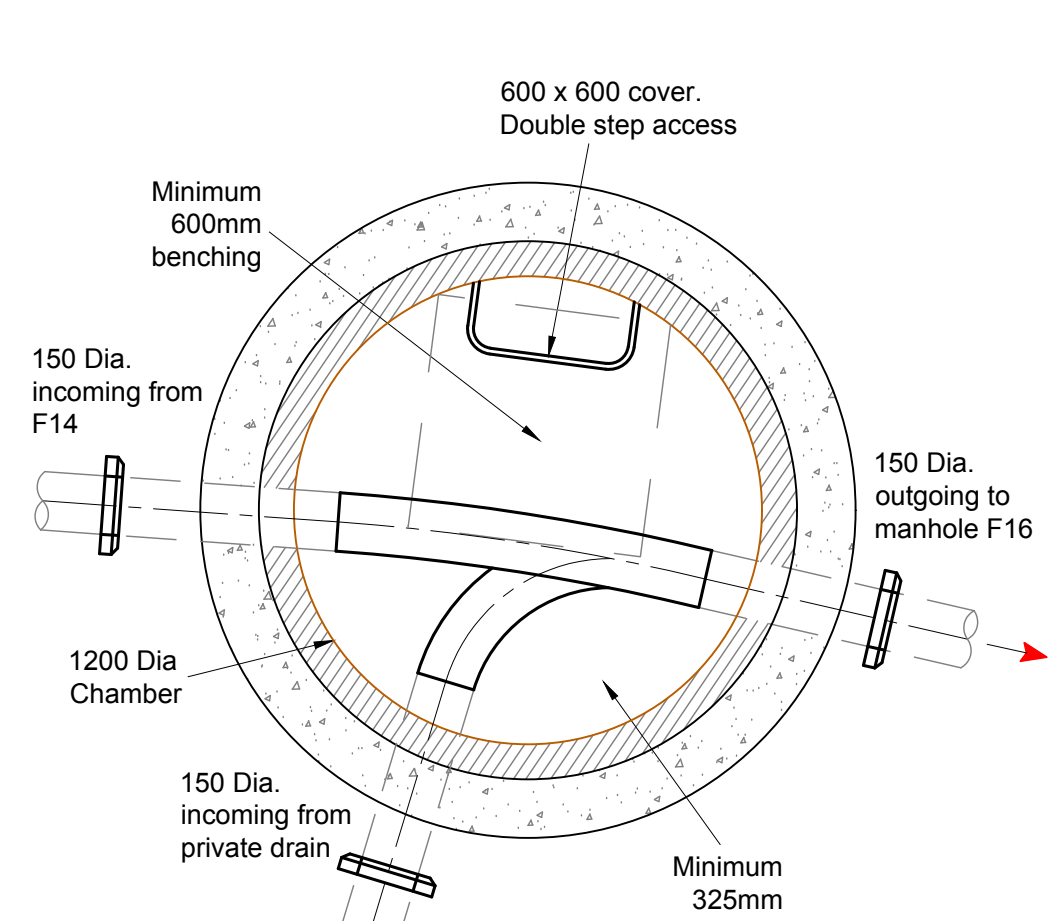
Manhole	F12
MH Diameter	1200mm
Cover Level	79.803
Invert Level	77.793
MH Type	Type 1
Depth to Soffit	1.860
Depth to Cut-Out Recess (SW storage MHs only)	N/A
Cover Size	600 x 600 mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Double step
Safety Chain	No
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	750 x 600 mm



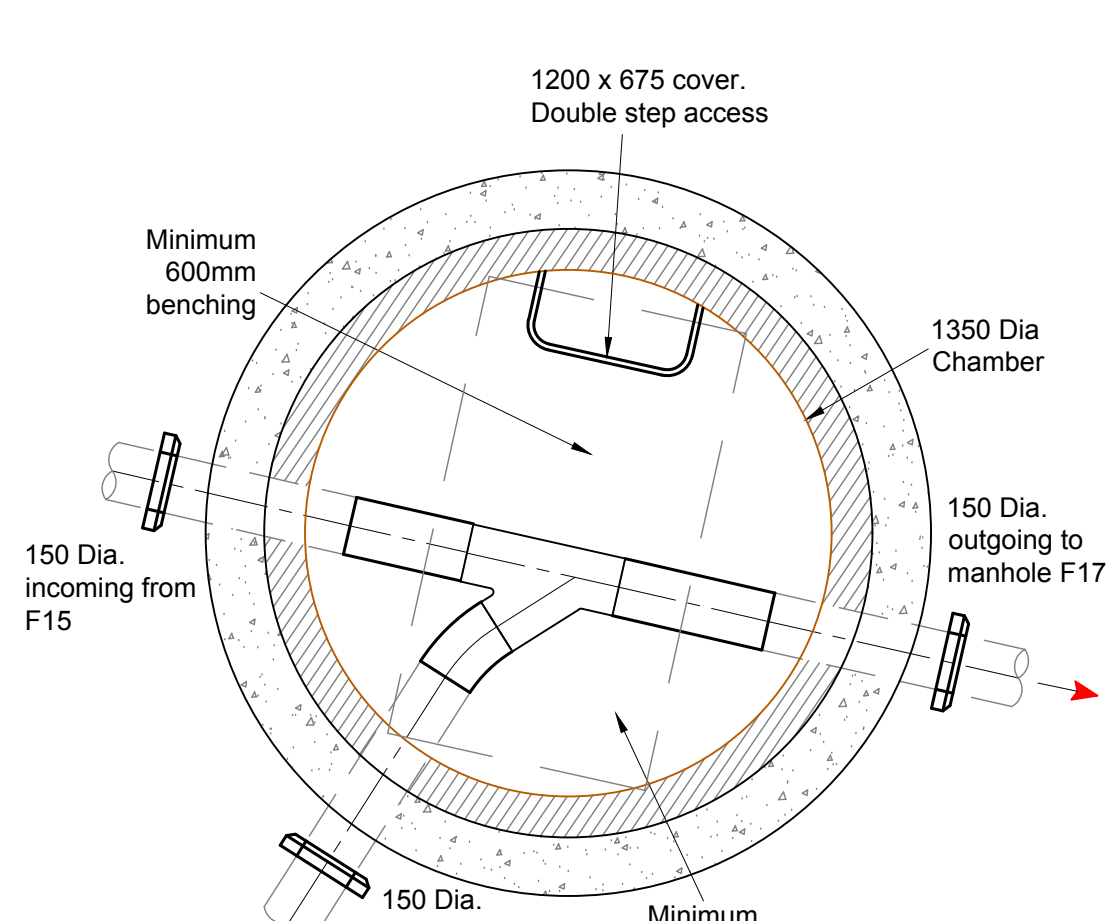
Manhole	F13
MH Diameter	1200mm
Cover Level	79.220
Invert Level	77.268
MH Type	Type 1
Depth to Soffit	1.802
Depth to Cut-Out Recess (SW storage MHs only)	N/A
Cover Size	600 x 600 mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Double step
Safety Chain	No
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	750 x 600 mm



Manhole	F14
MH Diameter	1200mm
Cover Level	78.663
Invert Level	76.863
MH Type	Type 1
Depth to Soffit	1.650
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?	Double step
Safety Chain	No
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	750 x 600 mm



Manhole	F15
MH Diameter	1200mm
Cover Level	77.457
Invert Level	75.357
MH Type	Type 1
Depth to Soffit	1.950
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?	Double step
Safety Chain	No
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	750 x 600 mm



Manhole	F16
MH Diameter	1350mm
Cover Level	76.094
Invert Level	74.744
MH Type	Type 4
Depth to Soffit	1.200
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

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	09.06.21	F15 Updated	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

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Manchester

Title

Foul Water Manhole Details
Sheet 2 of 3

DRAWING NUMBER	SCALE at A1	1:20	REVISION
7424 / 13-2	DATE	?	B
	DRAWN	PW	
	CHECKED	AJ	