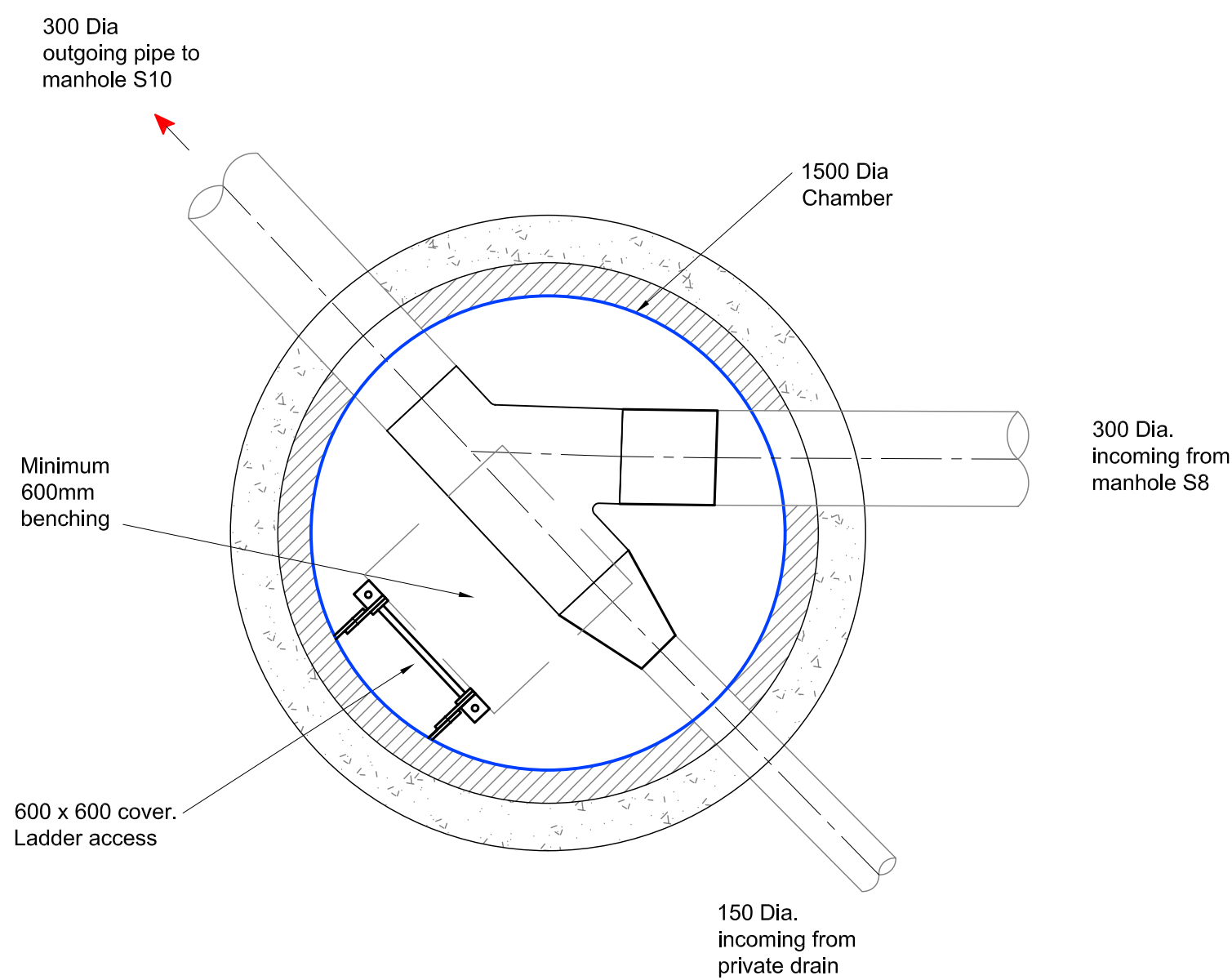
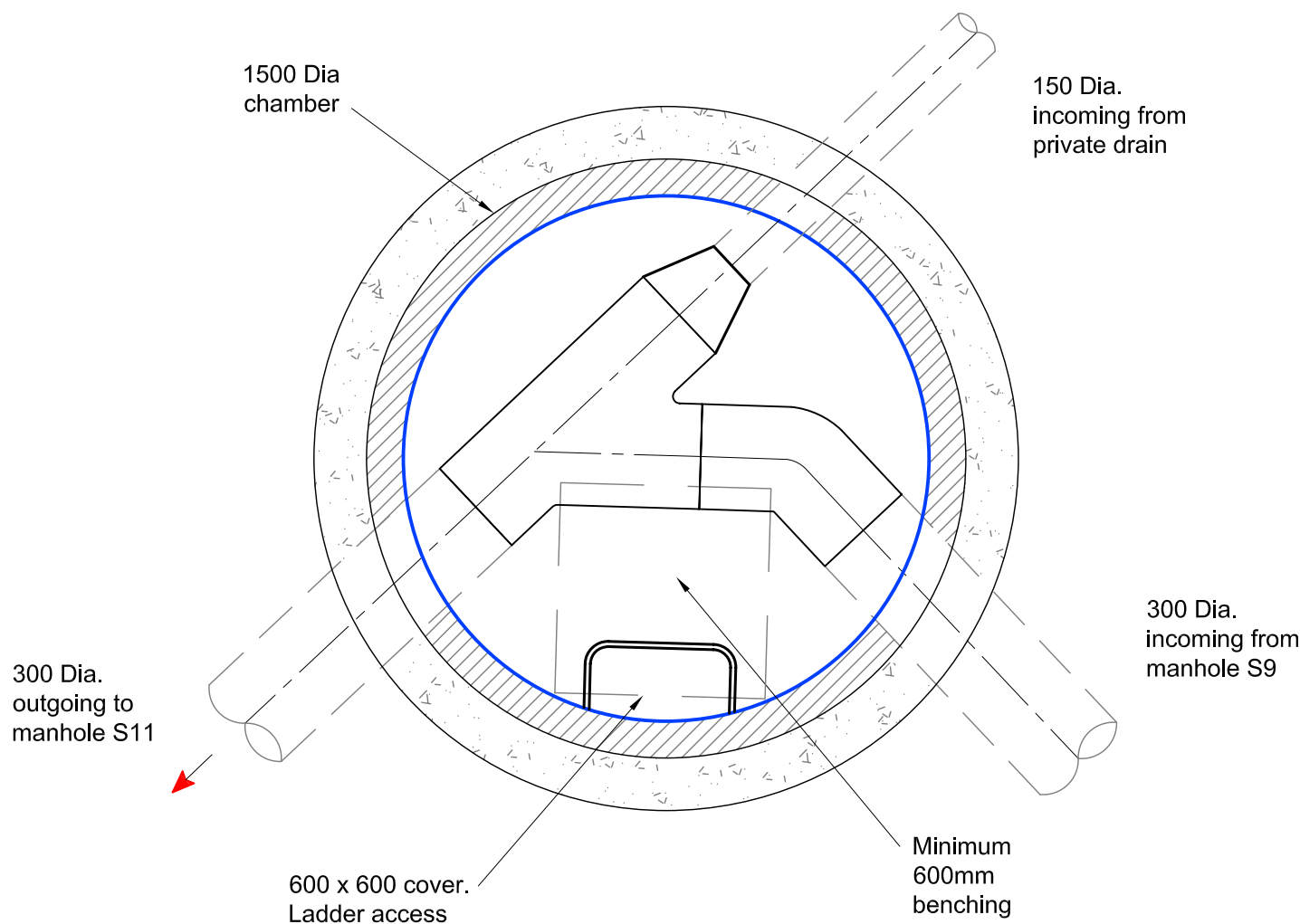
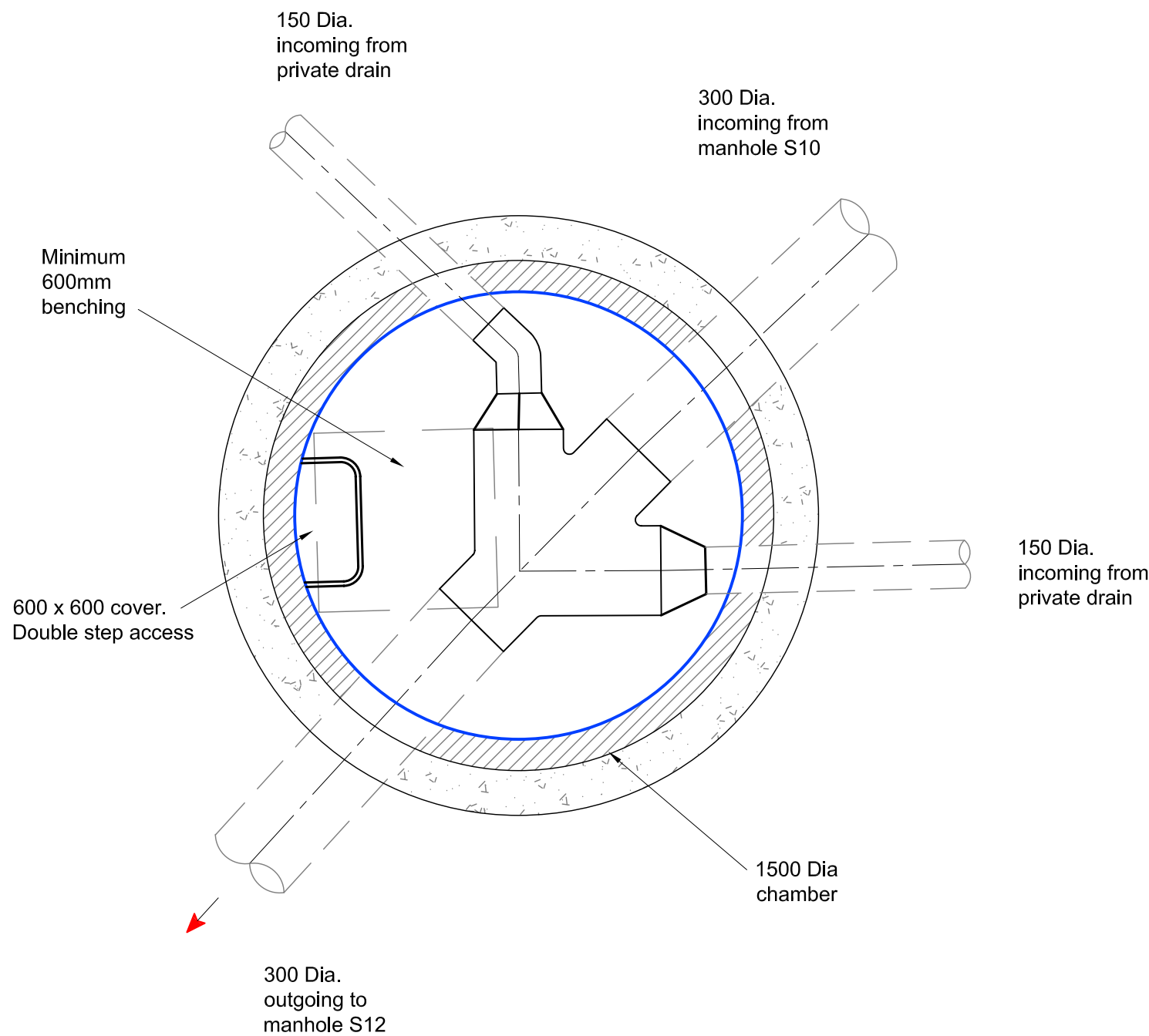




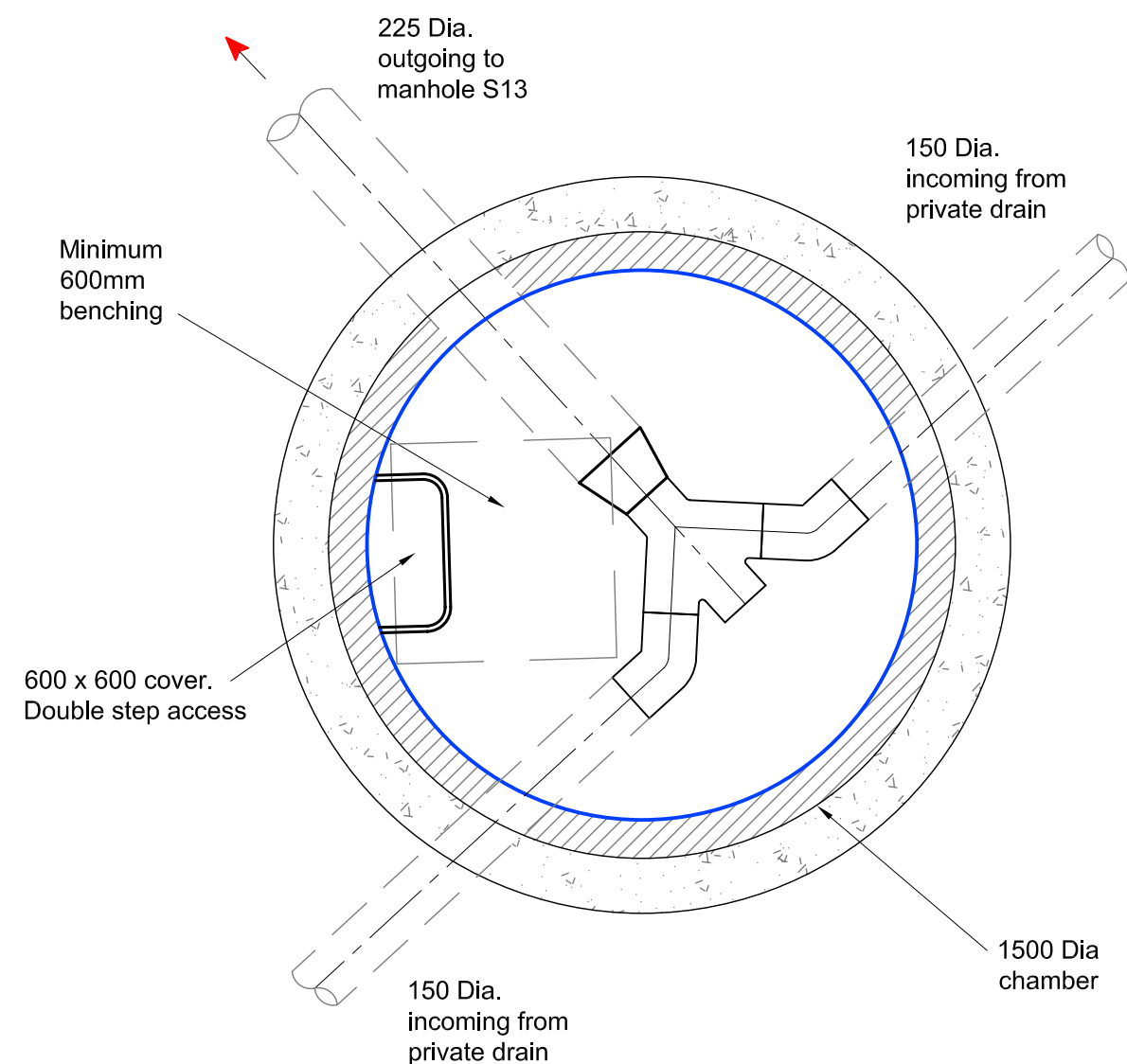
Manhole S9
Plan
Scale 1:20
CL 74.650
IL 71.513



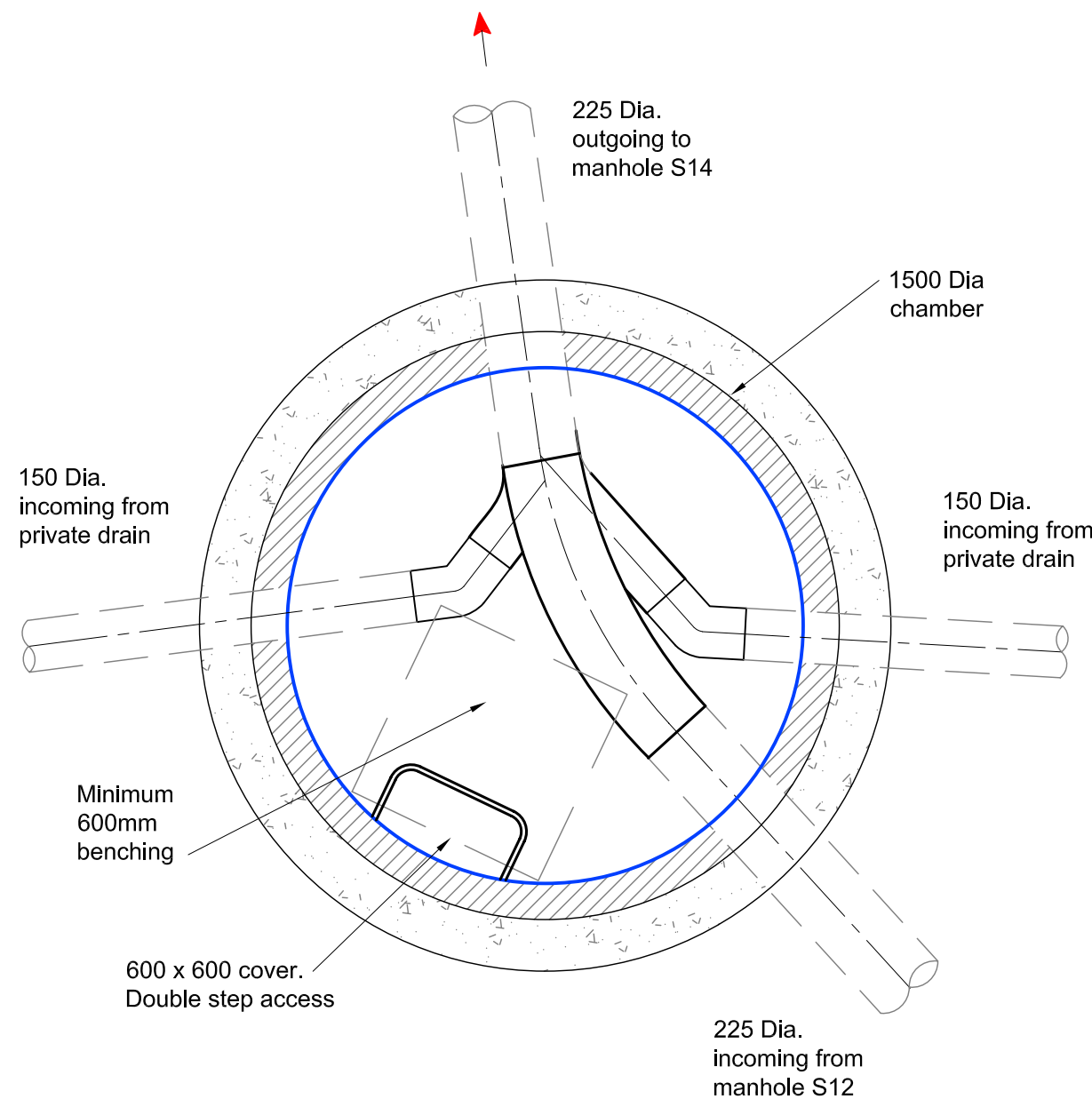
Manhole S10
Plan
Scale 1:20
CL 73.220
IL 70.513



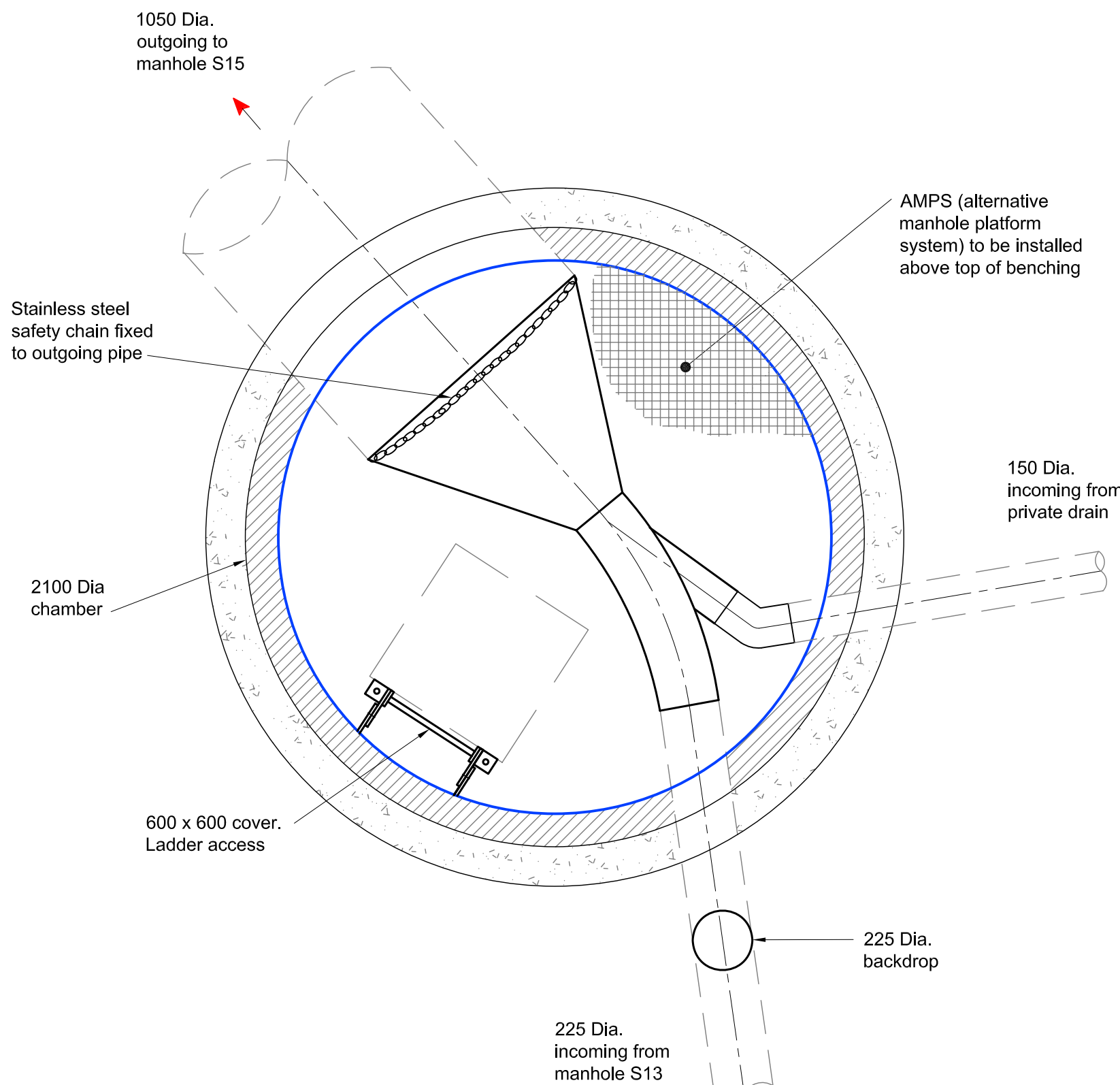
Manhole S11
Plan
Scale 1:20
CL 72.580
IL 70.163



Manhole S12
Plan
Scale 1:20
CL 72.870
IL 71.145



Manhole S13
Plan
Scale 1:20
CL 72.490
IL 70.565



Manhole S14
Plan
Scale 1:20
CL 72.230
IL 67.100

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 Utilitie Standard Details.
- Pipe materials as table below or similar approved by United Utilities.

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

Coopers Drawing List:

5399/01	Proposed Drainage Layout
5399/02	Proposed Drainage Longsections
5399/03	Proposed Highway Layout
5399/04	Proposed Highway Levels
5399/05	Highway Construction Details
5399/06	Drainage Construction Details
5399/07	Manhole Schedule
5399/08	Private Drainage Layout
5399/09	External Works Layout
5399/10	Section 38 Composite Plan
5399/11	Section 278 Works - Alderley
5399/12	Section 278 Works - Dlgmoor Road
5399/13	Foul Manhole Details
5399/14	Surface Water Manhole Details
5399/15	Flow Control Manhole Details
5399/16	Section 278 Works - Highway Construction Details

APPROVAL

coopers

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Client
Miller Homes Limited - North West Region

Project
Primrose Mill, Woone Lane
Clitheroe

Title
Surface Water Manhole Details
Sheet 2 of 3

DRAWING NUMBER	SCALE at A1	REVISION
5454/12-2	DATE July 2012	REVISION C
	DRAWN AJ	
	CHECKED DTC	