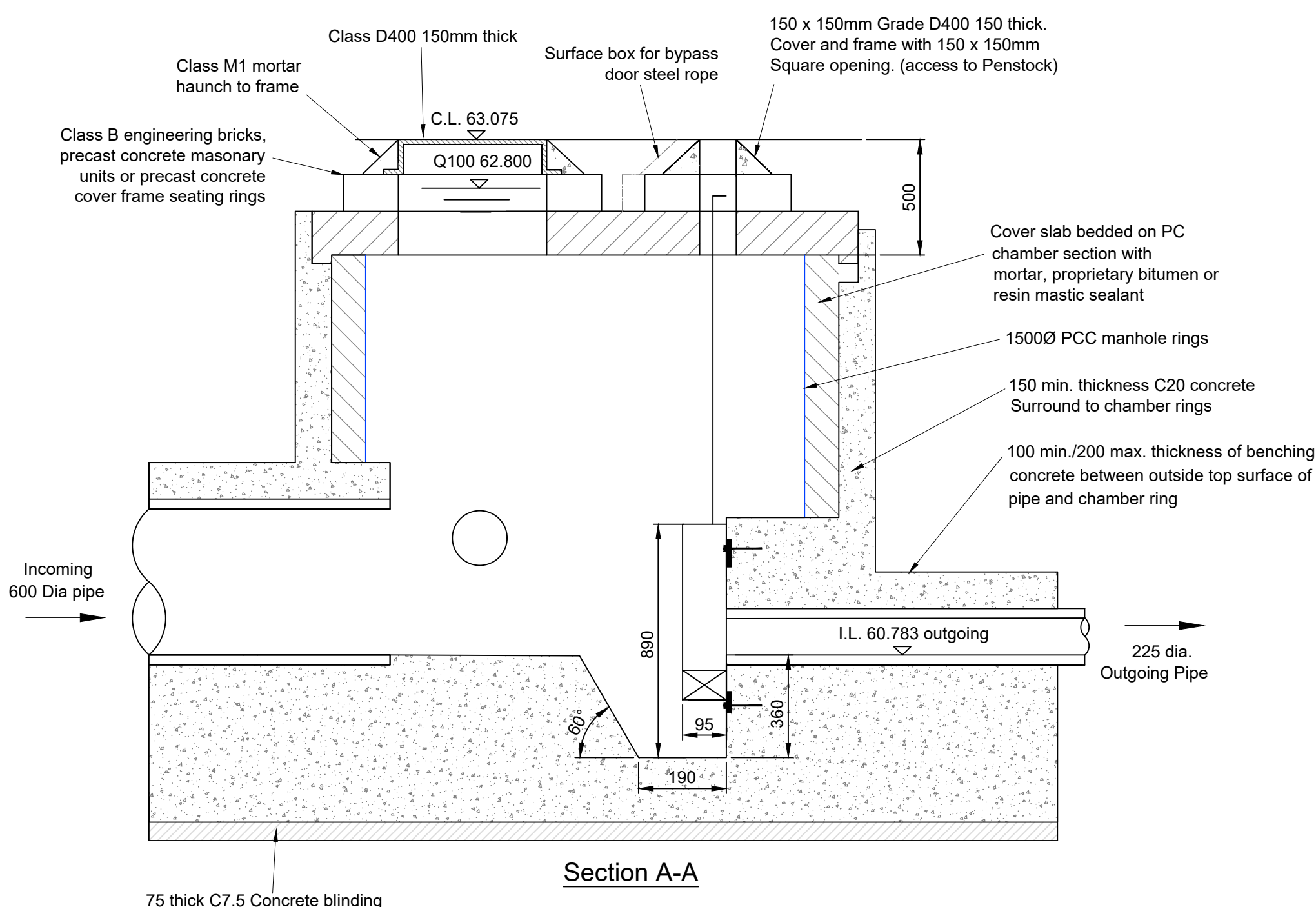
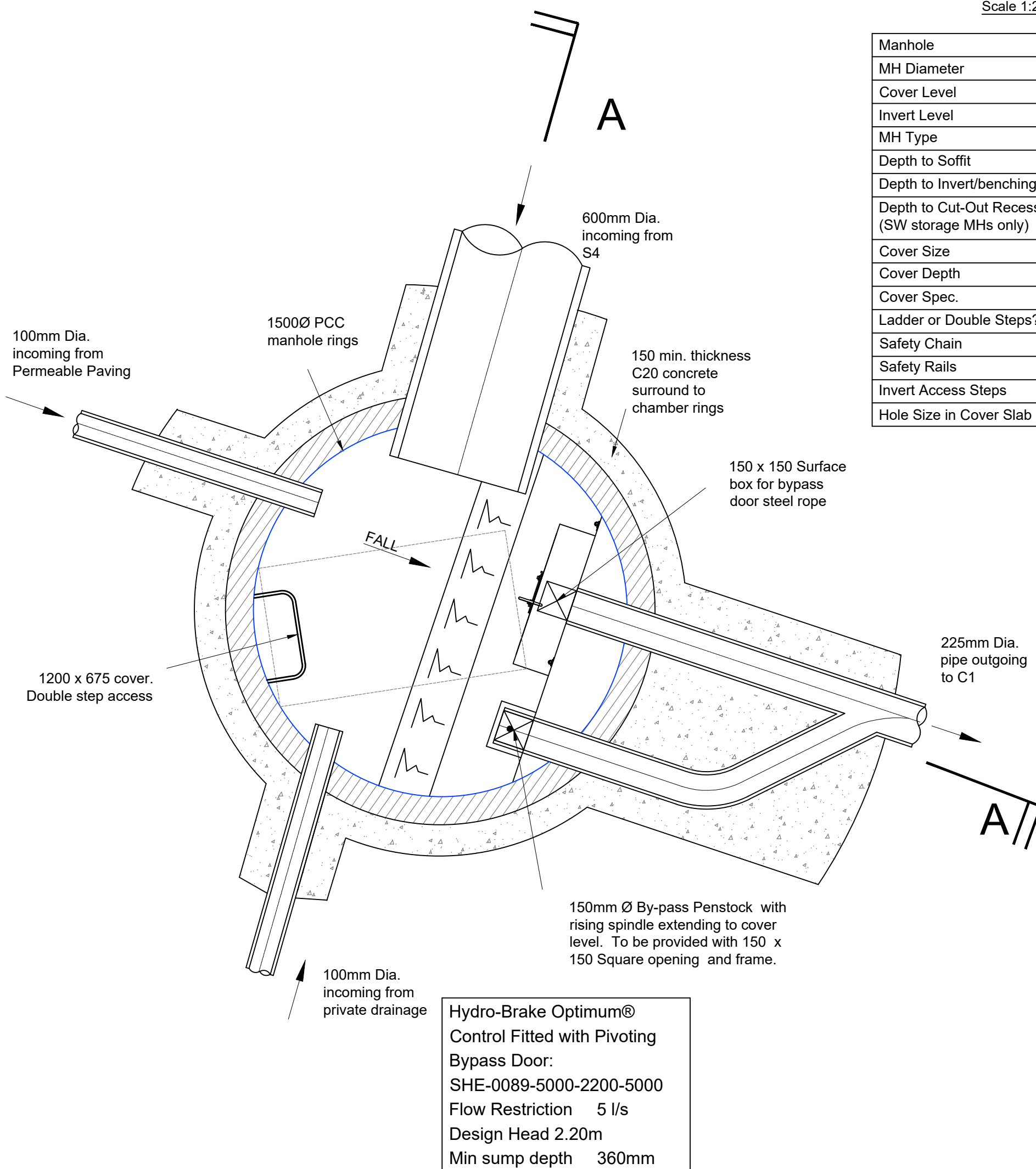


DO NOT SCALE

Manhole S5
Plan

Scale 1:20

Manhole	S5
MH Diameter	1500mm
Cover Level	63.075
Invert Level	60.783
MH Type	Flow Control
Depth to Soffit	2.067
Depth to Invert/benching	2.292
Depth to Cut-Out Recess (SW storage MHs only)	N/A
Cover Size	1200 x 675mm
Cover Depth	150mm
Cover Spec.	D400
Ladder or Double Steps?	Double Steps
Safety Chain	No
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	1200 x 675mm



TYPICAL SECTION

Scale 1:20

Notes

1. Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
2. The minimum gravity pipe diameter under adoptable highways shall be 150mm
3. It is the responsibility of the Contractor to verify all information given with regards to existing services and drainage connections etc. prior to commencing the works. The rates shall include for hand dig around services where necessary. The Contractor shall adhere to the CDM Regulations at all times
4. Existing flows in watercourses, sewers and land drains shall be maintained at all times
5. Only trained personnel shall be permitted to enter confined spaces
6. All materials to bear the relevant B.S. Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement to withstand Class 3 condition (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur).
7. All opening notices etc. as required under Highways Acts etc. are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or the Network Operator as applicable.
8. Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material all in accordance with Sewers for Adoption.
9. Slab levels shall not be varied without reference to the Engineer for guidance.
10. Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction.
11. All SVP and RWP connections are indicative and shall be confirmed by architect.
12. Pipe gradients out of the building to connecting manhole to be laid at 1:40 in accordance with Building Regulations, Part H, Table 6.
13. Where pipe sizes are not indicated 100Ø to be used for surface and foul unless stated otherwise.
14. Minimum surface water gradients shall be:
100Ø laid at 1:100
150Ø laid at 1:150
15. Minimum 100Ø foul drainage gradient to be 1:80 with the exception of the first connection which shall be maximum 1:40.
16. Manhole covers to be marked FWS or SW as appropriate.
17. All manhole covers and frames shall comply with BS EN124. Covers in roads to be grade D400 and be 150mm deep. Manhole covers in car parking areas and drives to be grade B125 and covers in landscaping areas to be grade A15. All to be sized in accordance with Building Regulations Part H, Tables 11 & 12.
18. Precast concrete rings to be reinforced.
19. Backdrops in private manholes / inspection chambers to be internal
20. Private drains laid under adopted / private roads to be Class S granular bed and surround with a minimum of 1.2m cover, where this cannot be achieved a Class Z concrete bed and surround shall be provided.
21. Private drains located under landscape areas or driveways / car parking bays to be Class F granular bed and surround with a minimum 0.6m cover, where this cannot be achieved a Class Z concrete bed and surround shall be provided.

TENDER

A	25.03.22	Updated to suit revised design	LW	LW
Rev	Date	Revision	By	Appd.



Tel: 01244 684910
Email: admin@coopers.co.uk
Web: <http://coopers.co.uk>

Park House
Sandpiper Court
Chester Business Park
Chester
CH4 9QU

Client

MANGROVE ESTATES LTD

Project

CHATSWORTH MILL,
WILLIAMS ROAD, GORTON

Title

Flow Control Detail

DRAWING NUMBER 7588 / 11	SCALE at A2 1:20		REVISION A
	DATE	11.01.22	
	DRAWN	LW	
	CHECKED	AJ	