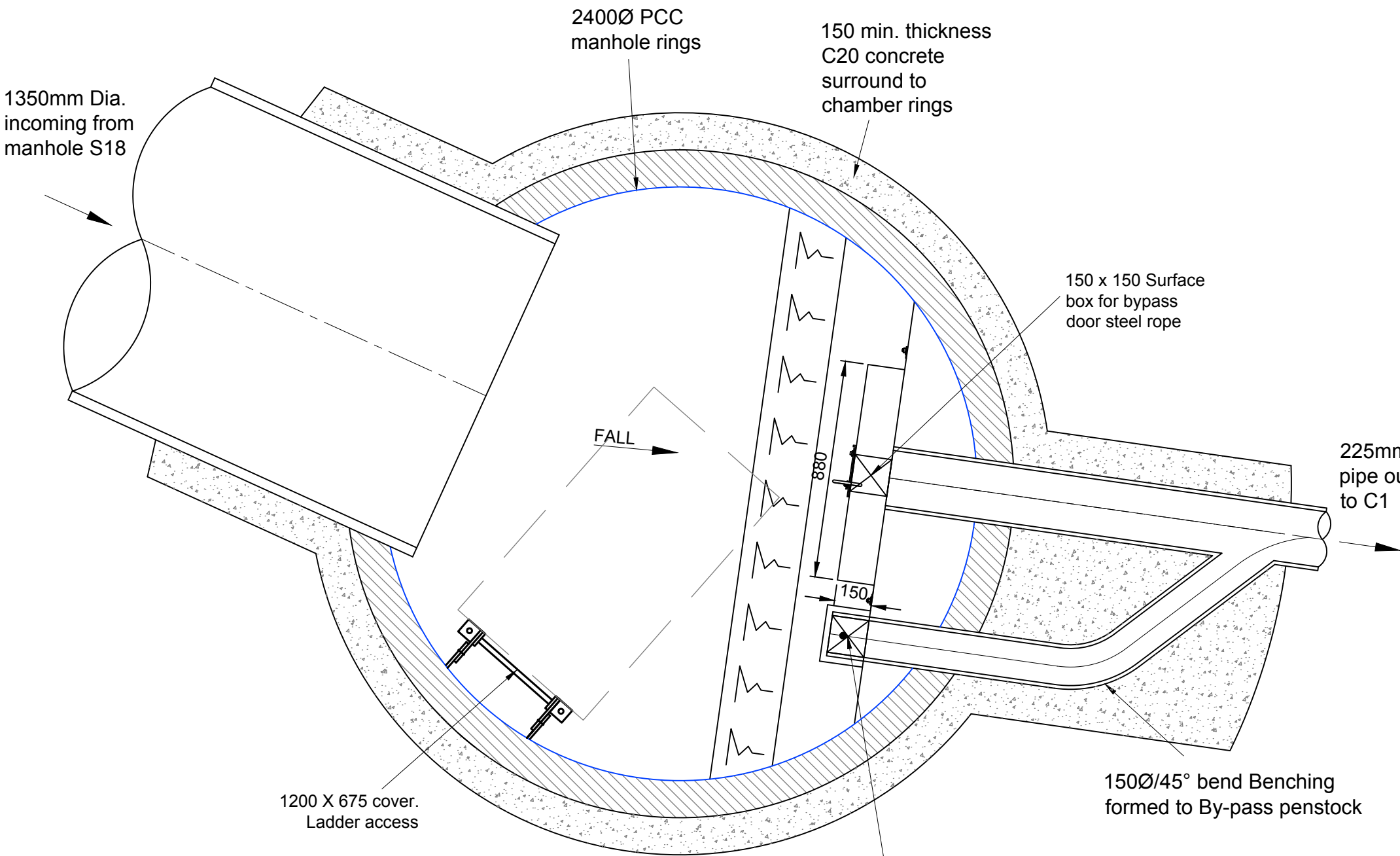


DO NOT SCALE



Hydro-Brake Optimum®
Control Fitted with Pivoting
Bypass Door:
SHE-0144-1500-3150-1500
Flow Restriction 15.0 l/s
Design Head 3.15m
Min sump depth 480mm

150mm Ø By-pass Penstock
with rising spindle extending
to cover level. To be provided
with 150 x 150 Square
opening and frame.

Notes

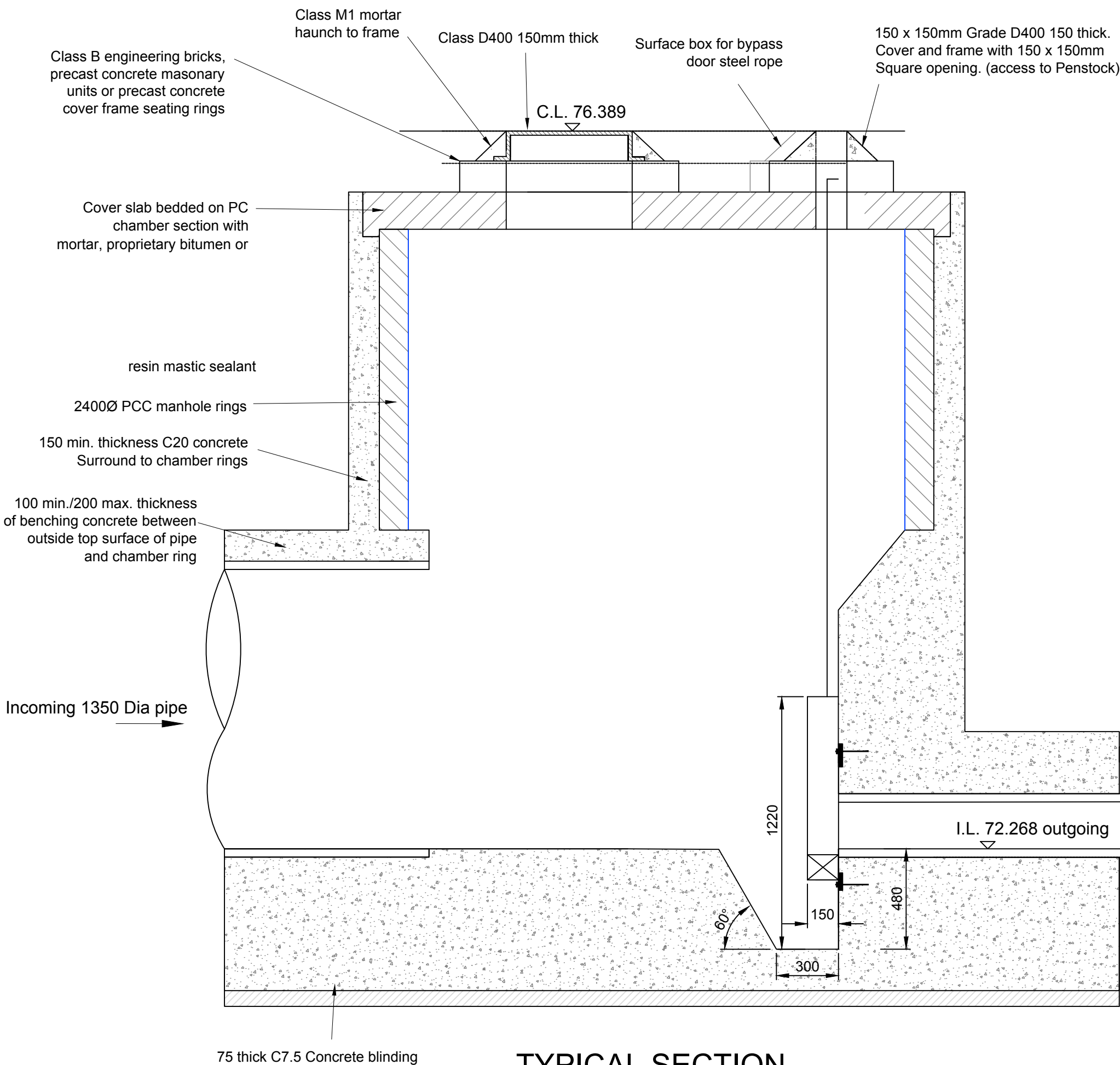
- All dimensions are in millimetres unless shown otherwise.
- All works shall be in accordance with Sewers for Adoption, 6th Edition and United Utilities Standard Guidelines/Details.
- Step Rungs shall be installed in accordance to BS EN 13101.
- Manholes shall be to United Utilities Standard Detail STND/01/001. Ladders, Safety chains and Hand railing shall be to Standard Detail STND/01/002. Back-drops shall be to Standard Detail STND/01/003.
- The flow control unit shall be manufactured by Hydro International
- The flow control units supplied shall pass a maximum flow of:
15 l/s at a design head of 3.15m
- The flow control units supplied shall be fitted in accordance with the manufacturers instructions.
- All lateral connections will be made at soffit level to the main channel.
- Rocker pipes shall be provided in accordance with United Utilities Standard Details and referenced to variable features on STND/19/010.

Manhole S20

Plan

Scale 1:20

Manhole	S20
MH Diameter	2400mm
Cover Level	76.389
Invert Level	72.268
MH Type	Flow Control
Depth to Soffit	2.771
Depth to Invert/benching	4.121
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?	Ladder
Safety Chain	No
Safety Rails	No
Invert Access Steps	No
Hole Size in Cover Slab	1200 x 675mm



TYPICAL SECTION

Scale 1:20

APPROVAL

D	30.06.21	Updated to suit updated design	PW	AJ
C	28.01.21	Updated to suit UU comments	LW	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.

coopers

Chartered Consulting Engineers

Tel: 01244 684910
Fax: 01244 684911
Email: admin@coopers.co.uk
Web: http://coopers.co.uk

Park House
Sandpiper Court
Chester Business Park
Chester
CH4 9QU

Client

BRANLEY HOMES LTD

Project

**White House Club, Middleton Road,
Manchester**

Title

**Flow Control Manhole Details
Sheet 1 of 2
S20**

DRAWING NUMBER	SCALE at A2	1:20	REVISION
7424 / 11-1	DATE	07.09.20	D
	DRAWN	PW	
	CHECKED	AJ	