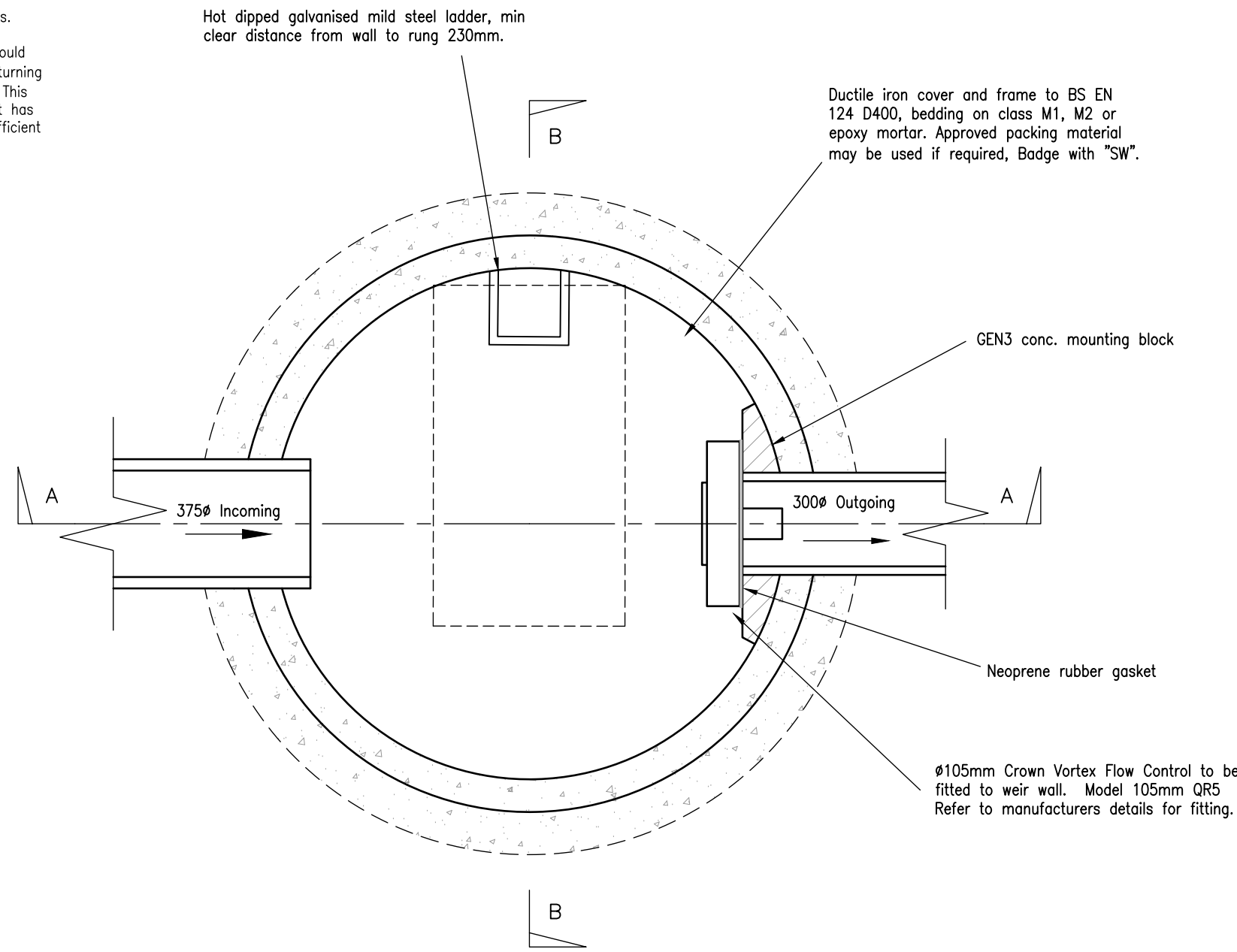


ICOSA:
General Notes.

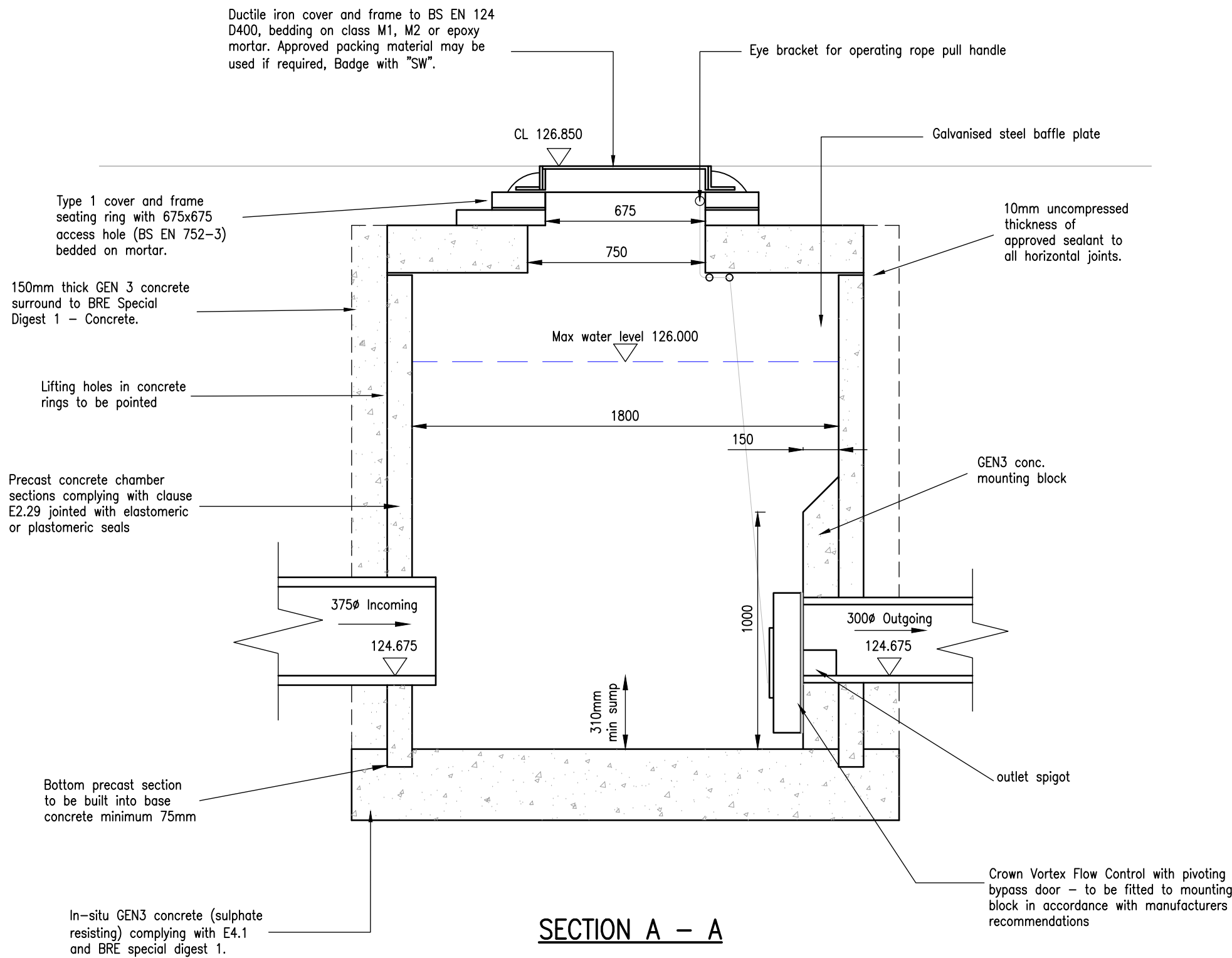
- No backdrops to be used, steeper gradients are preferred to the use of backdrops.
- For Type C manholes the opening cover and frame should be located centrally over the pipe – refer to the Sewer Sector Guidance Design and Construction Document Version 2.0 Figure B14
- The outside of the sewer should be in vehicle carriageway (not footpath) and be at least 1m from the kerb line. The outside manholes should be at least 0.5m from kerb line.
- The materials to be used should be suitable for the ground conditions.
- In situations where traffic loading is anticipated to be heavier than would occur on a typical residential estate distributor road (i.e. braking or turning near a junction) a higher specification cover (E600) should be used. This should comprise either a Class E600 cover or a D400 of a type that has been assessed and approved by the sewerage company as having sufficient additional ruggedness to ensure durability

ICOSA:
Plastic Pipe Standards.

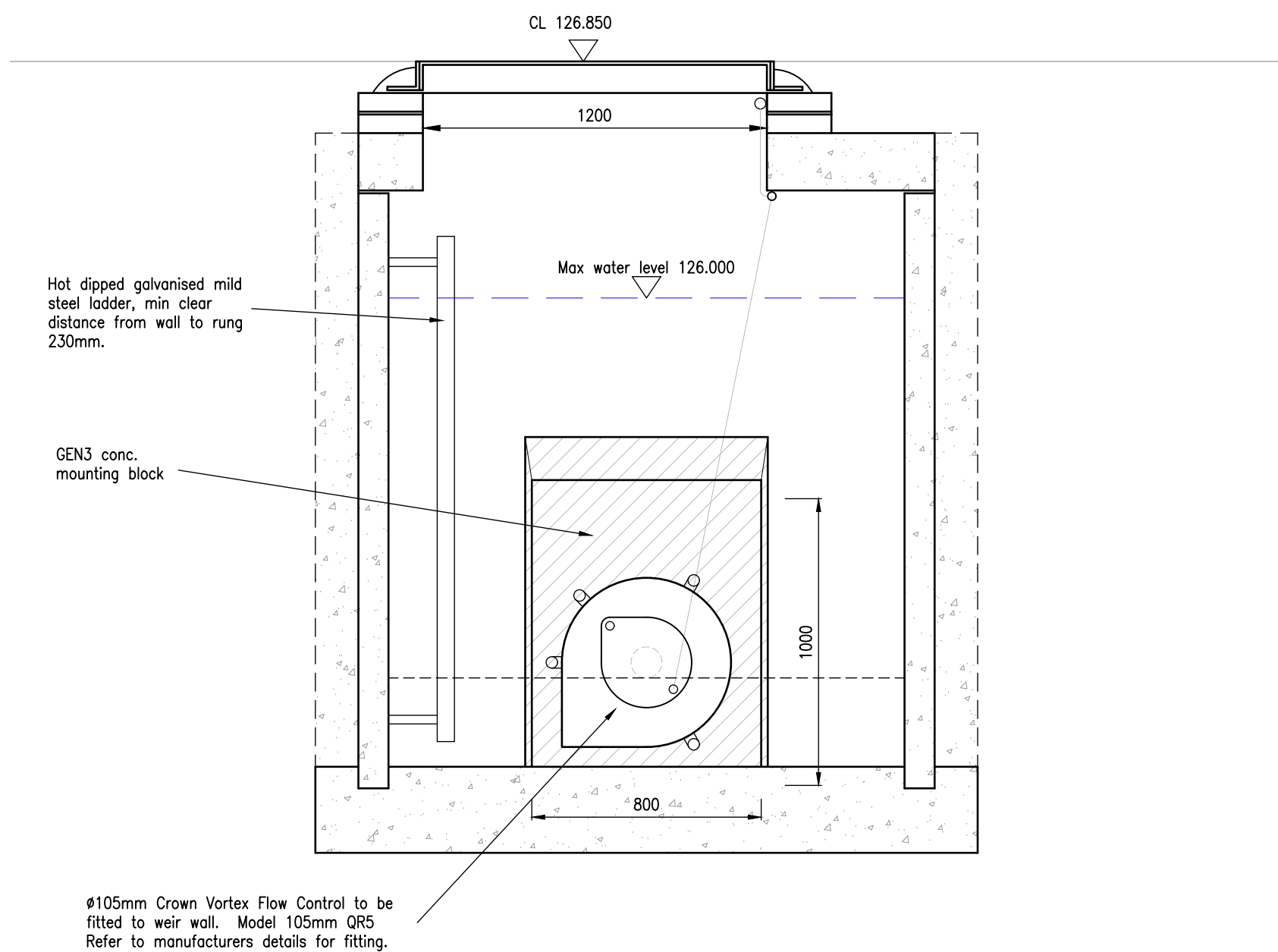
- Solid wall PVC-U to BS EN 1401.
- Spiral wound welded HDPE to EN 13476 Parts 1&2.
- Structural-wall thermoplastics to EN 13476 Parts 1&3.
- Polypropylene to BS EN 1852.



S110 – PLAN



SECTION A – A



SECTION B – B

FLOW CONTROL CHAMBER NOTES

- Refer to drawing E279-10-01 for details of the overall drainage system.
- Chamber No. S110 is to contain an approved flow control device to restrict flow to a maximum of 5.7 l/s.
- Flow control device to be installed generally in accordance with the manufacturers recommendations.
- Flow control to be:
 - Crown Vortex Flow Control
 - 105mmø
 - Design Head 1.325m
 - Design flow 5.7 l/s (max)
 - Installed IL=124.675
- Manhole access opening / cover size shall be adequate to enable installation and removal of flow control device.
- Mounting block to consist of GEN3 concrete secured to the PCC chamber rings using proprietary ties. Class F2 formwork to all exposed faces, U" finish to unformed surfaces.

STANDARD DETAIL NOTES:
General Notes.

- If this drawing has been received electronically it is the recipients responsibility to print the document to the correct scale.
 - This drawing should be read in conjunction with all other relevant drawings and specifications. Should there be any conflict between the details indicated on this drawing and those indicated on other drawings the Engineer should be informed prior to construction on site.
 - All dimensions are in millimetres unless otherwise stated.
 - Until technical approval has been obtained from the relevant authority, it should be understood that all drawings issued are preliminary and not for construction.
 - All levels on site to be confirmed prior to construction, following full topographical survey and drainage levels survey information and current existing services plans and maps.
 - Existing manhole invert levels are to be checked prior to commencing construction.
- Severn Trent Water Applicable Notes:
- All sewers to be constructed in accordance with the procedures and specification Sewer Sector Guidance Design and Construction Version 2.0.
 - Storm branch connections and gully connections to be 150ø and laid no flatter than 1:150.
 - Foul branch connections to be 150ø and laid no flatter than 1:150.
 - All branch connections to be laid soffit to soffit unless otherwise stated.
 - Sewers to be laid in class "S" bedding 150mm granular bed and surround. Where depth of cover to top of sewer is less than 1.2m in highways and verges or less than 90mm in none vehicular access areas, concrete pipe protection shall be provided.
 - All clay pipes with cover less than 1.2m shall be extra strength.
 - All concrete pipework with cover less than 1.2m shall be to class 120.
 - Concrete protection to pipework shall be in the form of protective concrete cover slab and is to be used where cover is less than 900mm in none trafficked areas or 1.2m in trafficked areas.
 - Precast concrete products and in-situ concrete to contain minimum Class 3 S.R.C.
 - All manhole covers to be in accordance with BS EN 124 Class D400 and embossed FW or SW as appropriate, where applicable.
 - 150mmø clay to be crushing strength class no. 267
225mmø clay to be crushing strength class no. 200
300mmø to 600mmø concrete to be crushing strength class no. 120.
 - In-fill type covers should not be use. Where a cover is located in area of block paving the frame should be 150mm deep.
 - Where pipes cross a plastic membrane, as approved by Severn Trent Water, is to be used for protection to eliminate and chances of cross contamination.
 - Precast concrete manhole rings are not to be cut under any circumstances, instead manholes are to be either built up in concrete or brickwork to the top of the pipe.

B	UPDATED TO SECTION 104 COMMENTS. CROWN VORTEX SPECIFIED IN NOTES.	17.12.24	JG
A	UPDATED TO CLIENT COMMENTS.	17.10.24	JG
REV	DESCRIPTION	DATE	INITIAL

ridehalgh nicholls
consulting engineers

T 01164 829032
E contact@ridnic.co.uk W www.ridnic.co.uk
A 4 Pear Tree Business Park, Desford Lane, Ratby, LE6 0PG
Company registration number: 10827228

CLIENT

mypad
From land to living

PROJECT

PROPOSED RESIDENTIAL DEVELOPMENT AT
**BARTON ROAD,
BARLESTONE**

TITLE

**CONTROL CHAMBER
S110 DETAILS**

DRAWN	JG	DATE	07-10-2024	PURPOSE OF ISSUE
SCALE	1/20	SIZE	A1	☒ PRELIMINARY ☐ APPROVAL ☐ CONSTRUCTION
DWG NO.	E279-40-05			REV. B