

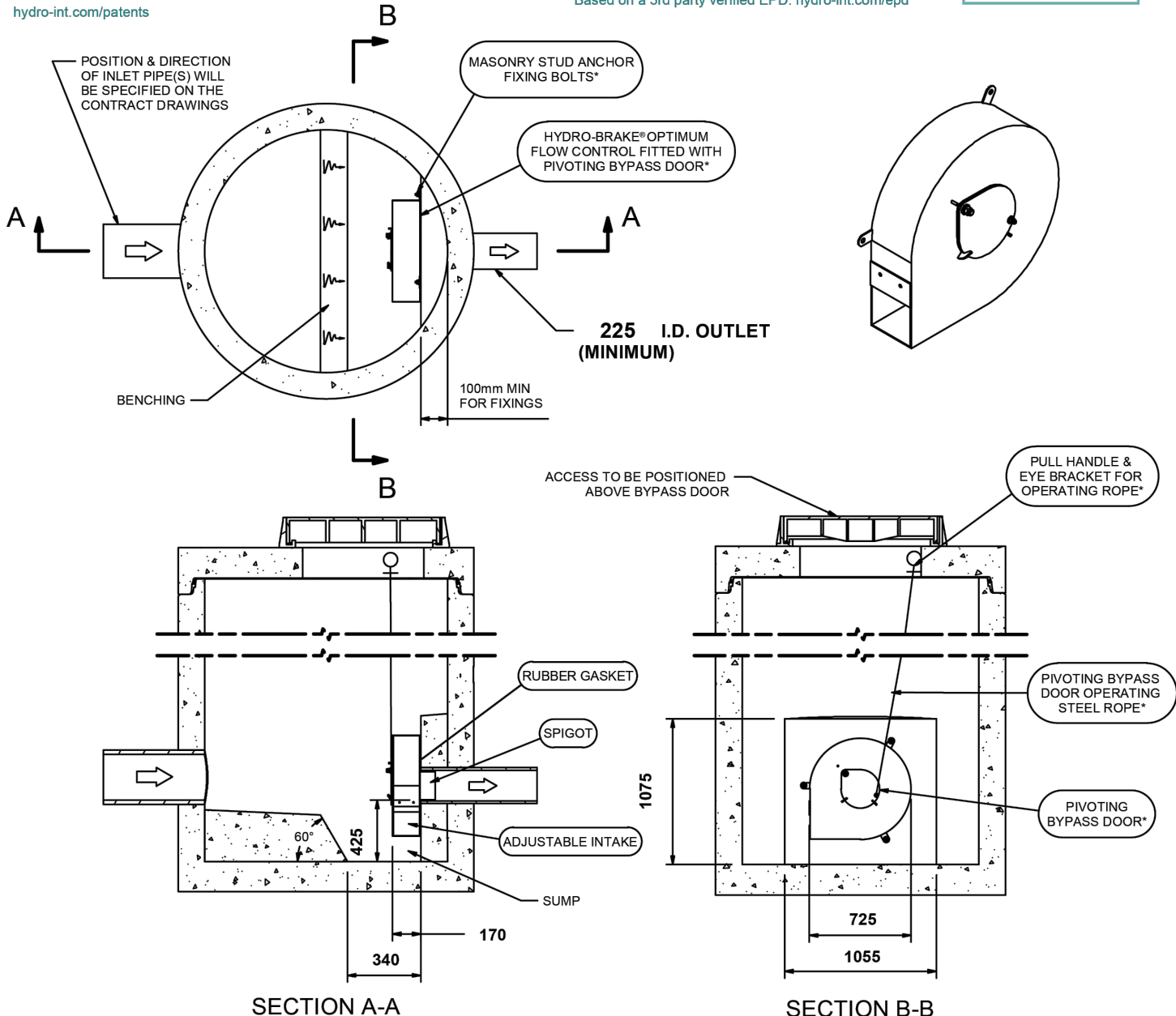
Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.356	14.000
Flush-Flo™	0.401	13.980
Kick-Flo®	0.877	11.396
Mean Flow		12.101

This Hydro-Brake® Optimum includes:

- All in 3 mm Grade 304L stainless steel
- Integral pivoting by-pass door allowing clear line of sight through to outlet, c/w operating rope
- Media blasted for corrosion resistance
- Variable flow rate post installation via adjustable inlet (if necessary)
- Indicative Weight: 30 kg
- Product Carbon Footprint: 131.35 kgCO2e

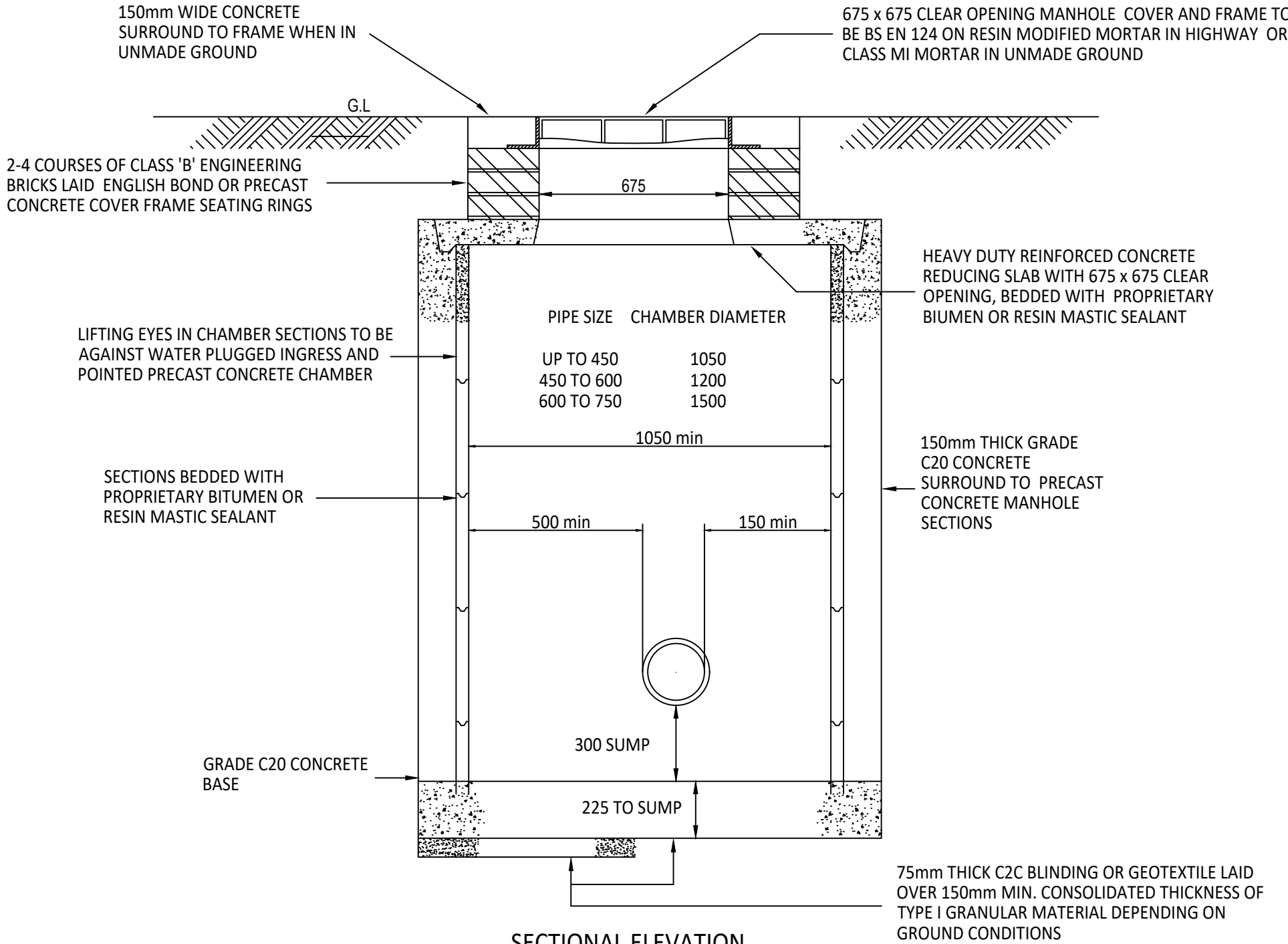
Based on a 3rd party verified EPD: hydro-int.com/epd



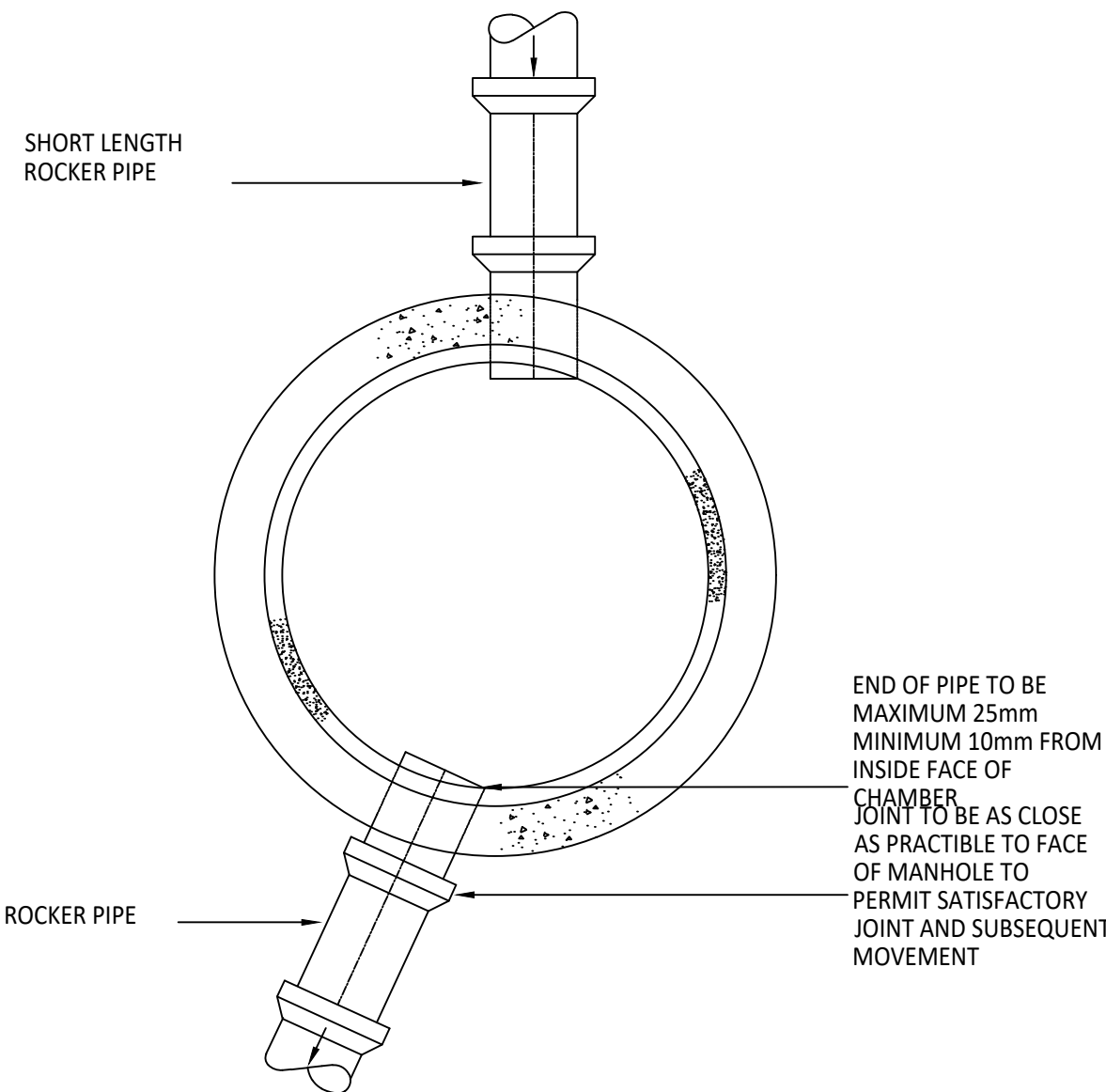
IMPORTANT: LIMIT OF HYDRO INTERNATIONAL SUPPLY THE DEVICE WILL BE HANDED TO SUIT SITE CONDITIONS FOR SITE SPECIFIC DETAILS AND MINIMUM CHAMBER SIZE REFER TO HYDRO INTERNATIONAL ALL CIVIL AND INSTALLATION WORK BY OTHERS * WHERE SUPPLIED HYDRO-BRAKE® IS A REGISTERED TRADEMARK FOR FLOW CONTROLS DESIGNED AND MANUFACTURED EXCLUSIVELY BY HYDRO INTERNATIONAL

THIS DESIGN LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE.

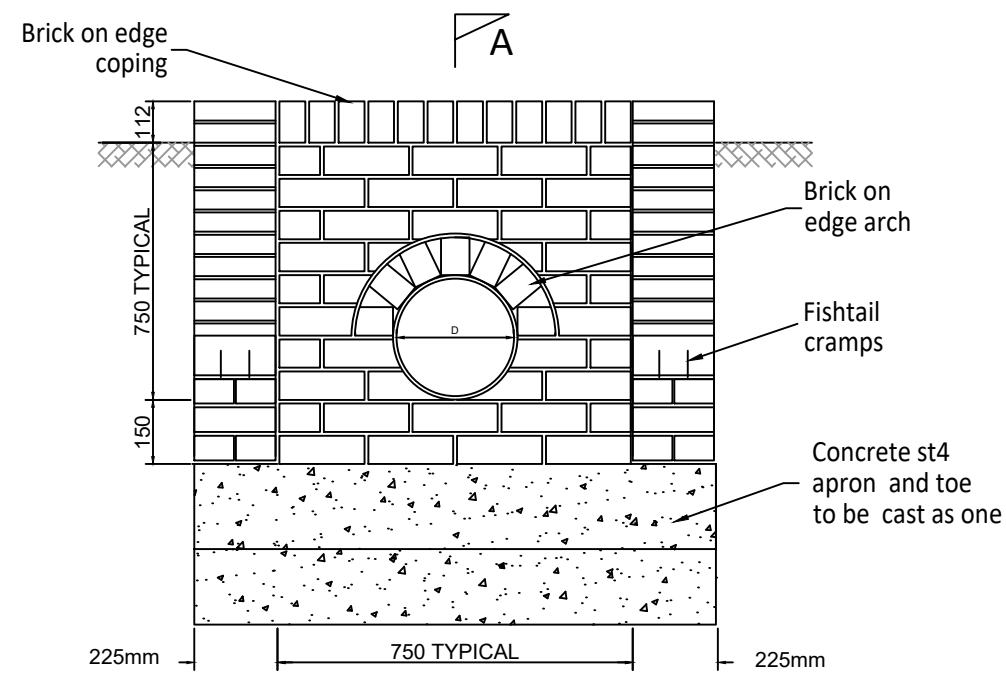
DESIGN ADVICE	The head/flow characteristics of this SHE-0164-1400-1356-1400 Hydro-Brake® Optimum Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve. The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.	Hydro International A CRH COMPANY
DATE	07/11/2025 11:04	
SITE	A389 South Wokingham	
DESIGNER	Anthony Salala	
REF	Phase 2B R7 & R13	Hydro-Brake® Optimum
© 2025 Hydro International Ltd • Unit 2, Rivermead Court • Kern Business Park • Windmill Road • Kern • Clevedon • B521 8PT • Tel: 01275 878371 • Website: hydro-int.com • Email: enquiries@hydro-int.com asalala@alpc.co.uk		



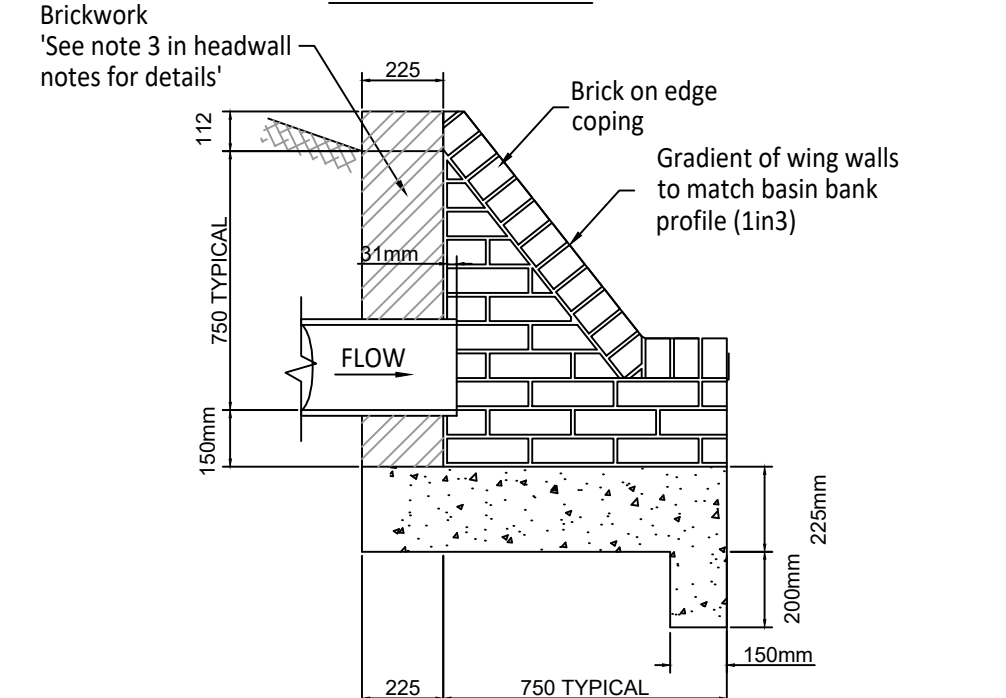
SECTIONAL ELEVATION



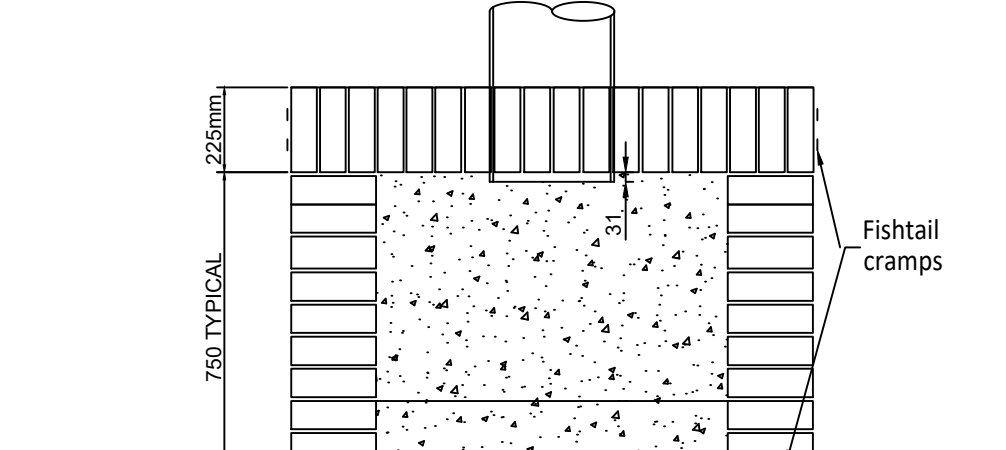
SECTIONAL ELEVATION
TYPICAL CATCHPIT DETAIL



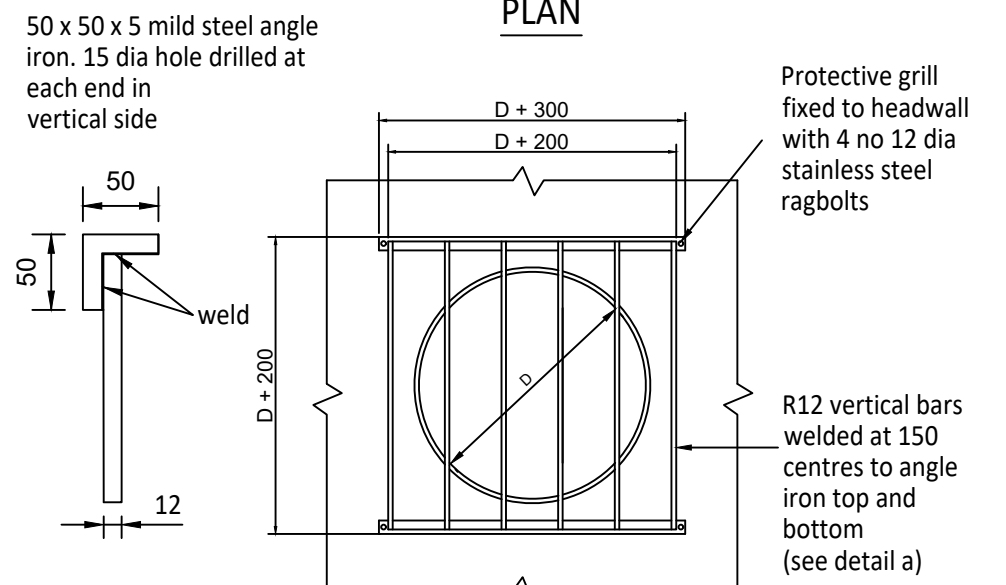
ELEVATION



SECTION A-A



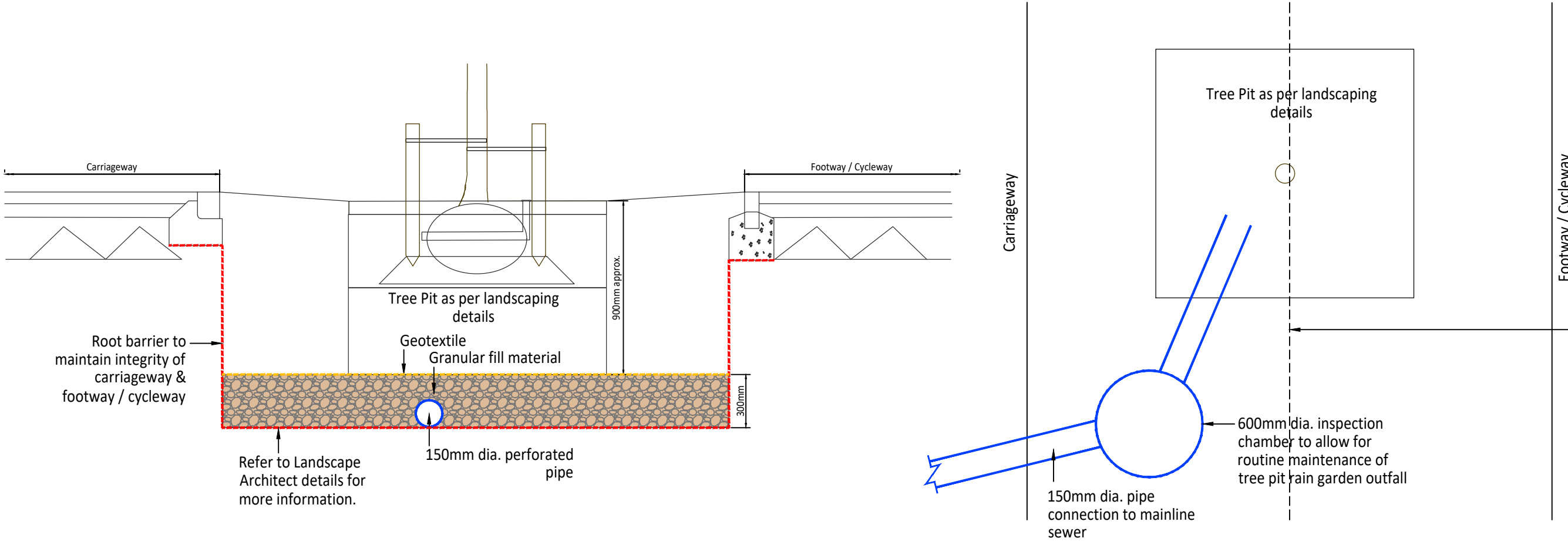
PLAN



WELDED GRILLE DETAIL

TYPICAL DOWNSTREAM HEADWALL DETAIL

All headwalls to be in accordance Wokingham Borough Council requirements and Structural Engineers designs.



RAIN GARDEN TREE PIT OUTLET

SCALE 1:20

Figure B 16
Typical vertical and ramped detail (rigid materials)
For use in manhole types A to D
Note: Steeper gradients are preferred to the use of backdrops.
Type of backdrop to be used to be agreed with the water company.

