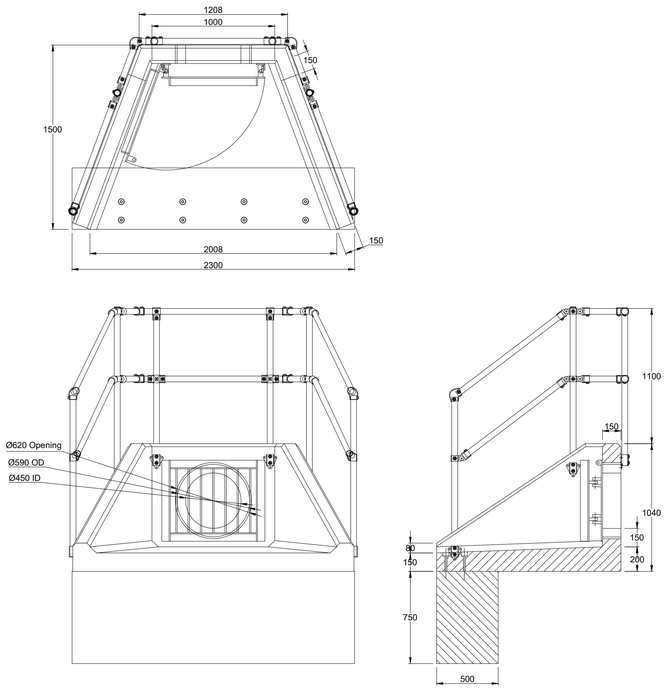
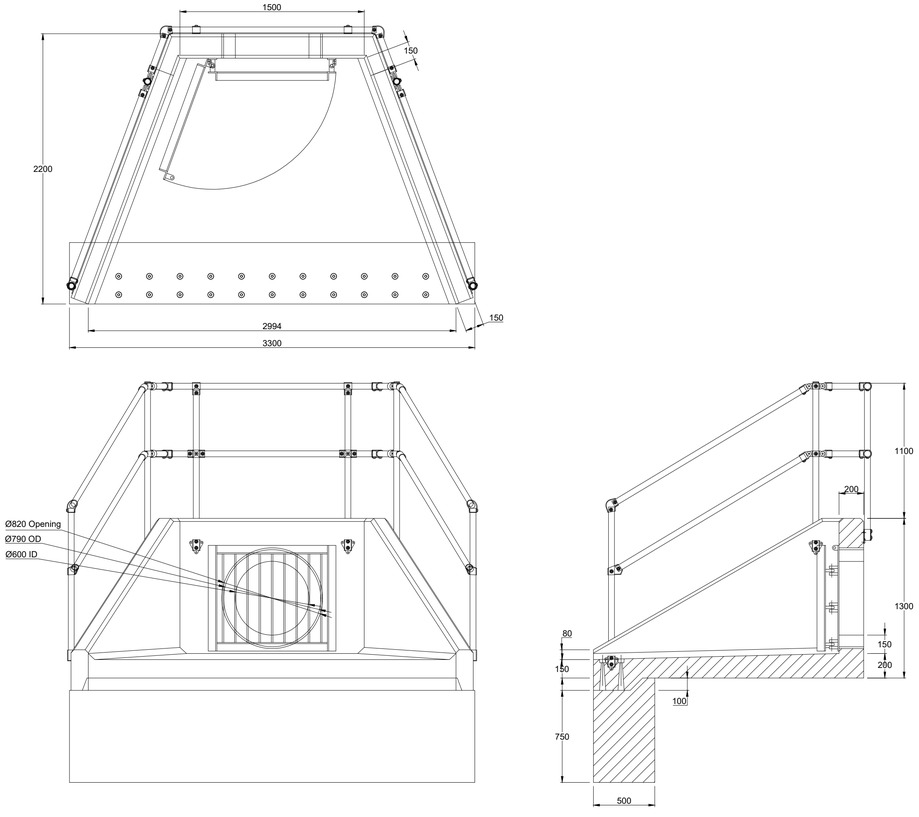
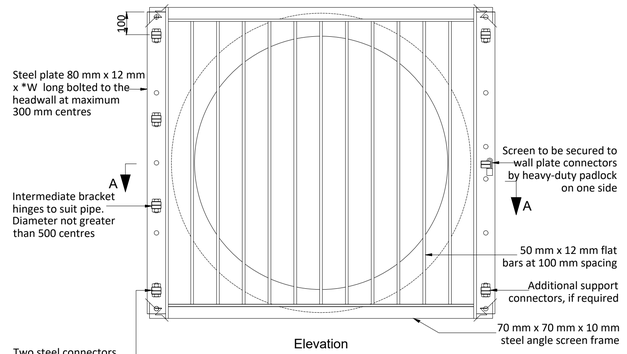


Althon AWSFA10X Inlet Headwall
750 x 500mm Toe, 3 Sided Kee Klamp, Sfa1 450
Outfall Safety Grille, up to 450mm Concrete Pipe

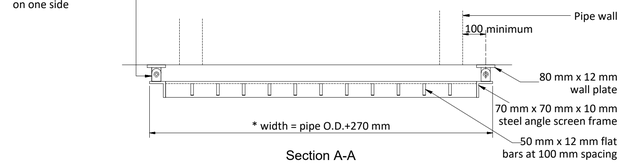


Althon AWSFA15W Drainage Outfall
750 x 500mm Toe, 3 Sided Kee Klamp, Sfa1 600
Outfall Safety Grille, up to 600mm Concrete Pipe

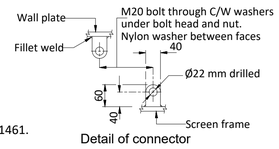
Figure C 3
Typical outfall safety grille
For outfalls of 350 mm diameter or greater



Elevation



Section A-A



Detail of connector

Notes:
1. * width (W) to suit pipe outside diameter.
2. Mild steel fabrication to be hot dip galvanized to BS EN 1461.

Not to scale, dimensions in millimetres

DRAINAGE NOTES:

1. Do not scale.
2. Refer to all other Project Drawings and supporting notes.
3. All adoptable drainage works to be constructed as detailed in Design and Construction Guidance or as stipulated in the Water Authorities Addendum.
4. All public sewers are to be the subject of a Section 104 agreement of the Water Industry Act 1991.
5. Invert levels of existing manholes and sewers are to be checked on site before construction commences and results reported to engineers.
6. The Contractor is responsible for maintaining continuity of flow for all existing sewers within the site boundary and limit of works for the duration of the project.
7. All drainage ironworks to comply with BS EN124, and be stamped with BSI Kitemark. Covers to suit loading as below;
   -Carriageways and Roads - D400
   -Driveways and Verges - C250
   -Footways and Pedestrian Areas - B125
   -Gardens/Landscaping - A15
8. All sewer pipes, up to, and including 600mm are to be vitrified clay or PVC-U to BS EN295 and BS EN1404 respectively. All sewer pipes 675mm diameter and above to be concrete pipes to BS EN1916.
9. All drainage shall be installed and tested strictly in accordance with the Manufacturers' printed instructions, BS EN 752, BS EN 1601, Local Water Authority requirements and the Building Regulations.
10. All bedding shall be Class S unless noted otherwise.
11. All trenches under existing and proposed public highways are to be backfilled with thoroughly compacted Type 1 granular sub-base material.
12. Drainage laid beneath roads and areas of vehicular access (car parking etc) with less than 1200mm of cover shall be encased in concrete bed and surround with associated movement joints. Drainage laid beneath paths, footways and pedestrian areas with less than 900mm of cover shall be similarly treated.
13. Chambers with outgoing pipes greater than 600mm diameter shall be fitted with guard bars, safety chains or other approved safety devices.
14. The use of precast concrete products made with sulphate resisting cement is mandatory, unless a laboratory report proves such precautions are not necessary.
15. All gully connections to use a minimum diameter pipe of 150mm and to be surrounded by a minimum of 150mm of grade C8/C10 concrete over its full length (which should not exceed 15m) and its connection to the carrier system.
16. All sewers to be abandoned must be surveyed to identify any lateral connections that are still live with any found to be reported to the Engineer.
17. All foul and storm water drains which are not to be adopted as public sewers shall be in accordance with Document H of the Building regulations, together with NHBC Standards Chapter 5.3 and BS8301.

ALL PIPE BEDDING TO BE CLASS 'S' GRANULAR SURROUND UNLESS NOTED OTHERWISE ON THE DRAWING

Rev	Date	Description	Drawn	Checked
A	06.25	FIRST ISSUE	RG	CS

Abley Letchford
www.ableyletchford.co.uk

Client
UNIVERSITY OF READING

Project
LODDON GARDEN VILLAGE

Title
DRAINAGE DETAILS
SHEET 2 OF 2

Status

Scale	Date	Drawn	Checked
AS SHOWN @ A1	JUN 2025	RG	CS

Drawing No: A392-OPA-0531
Revision: A