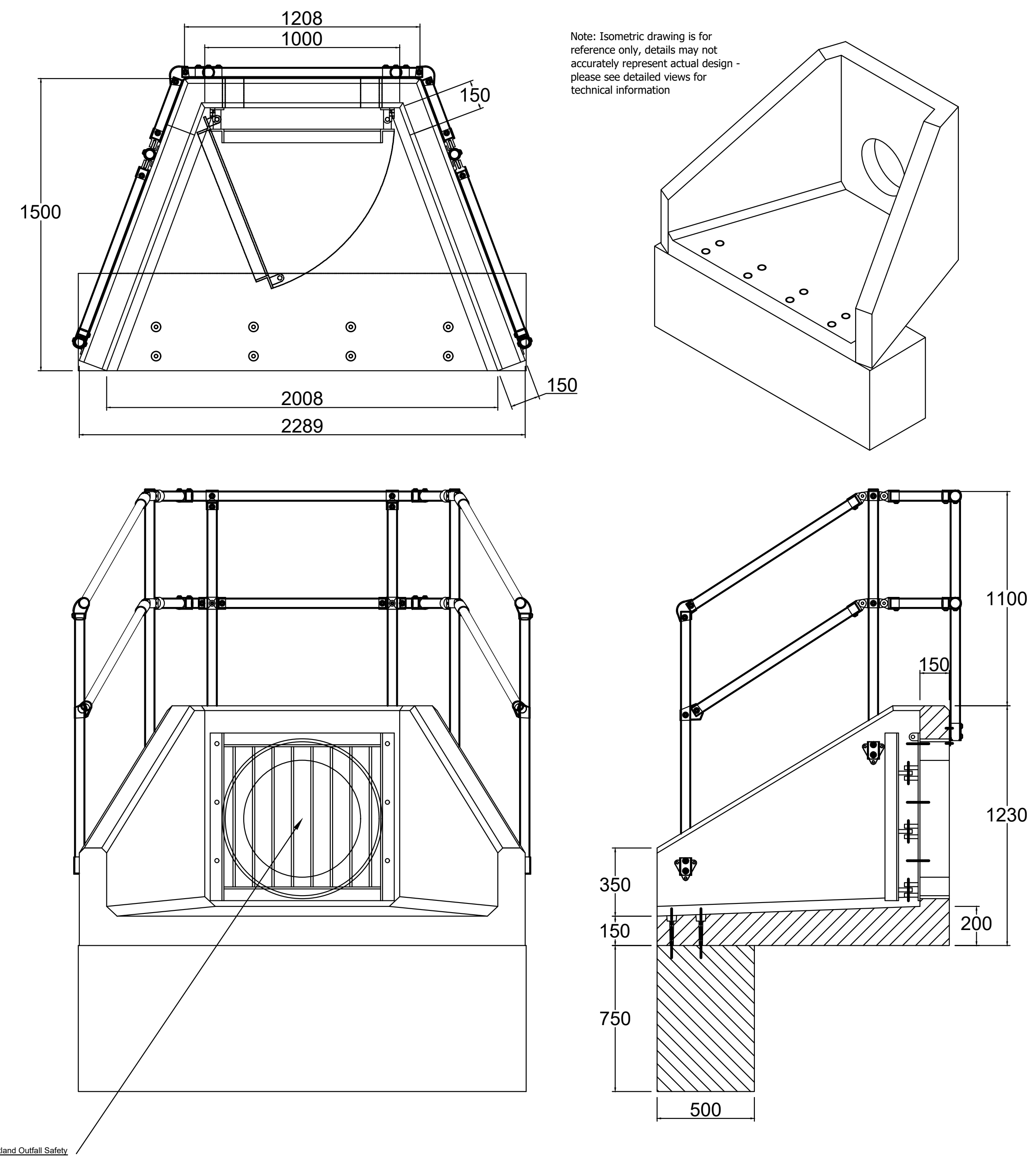
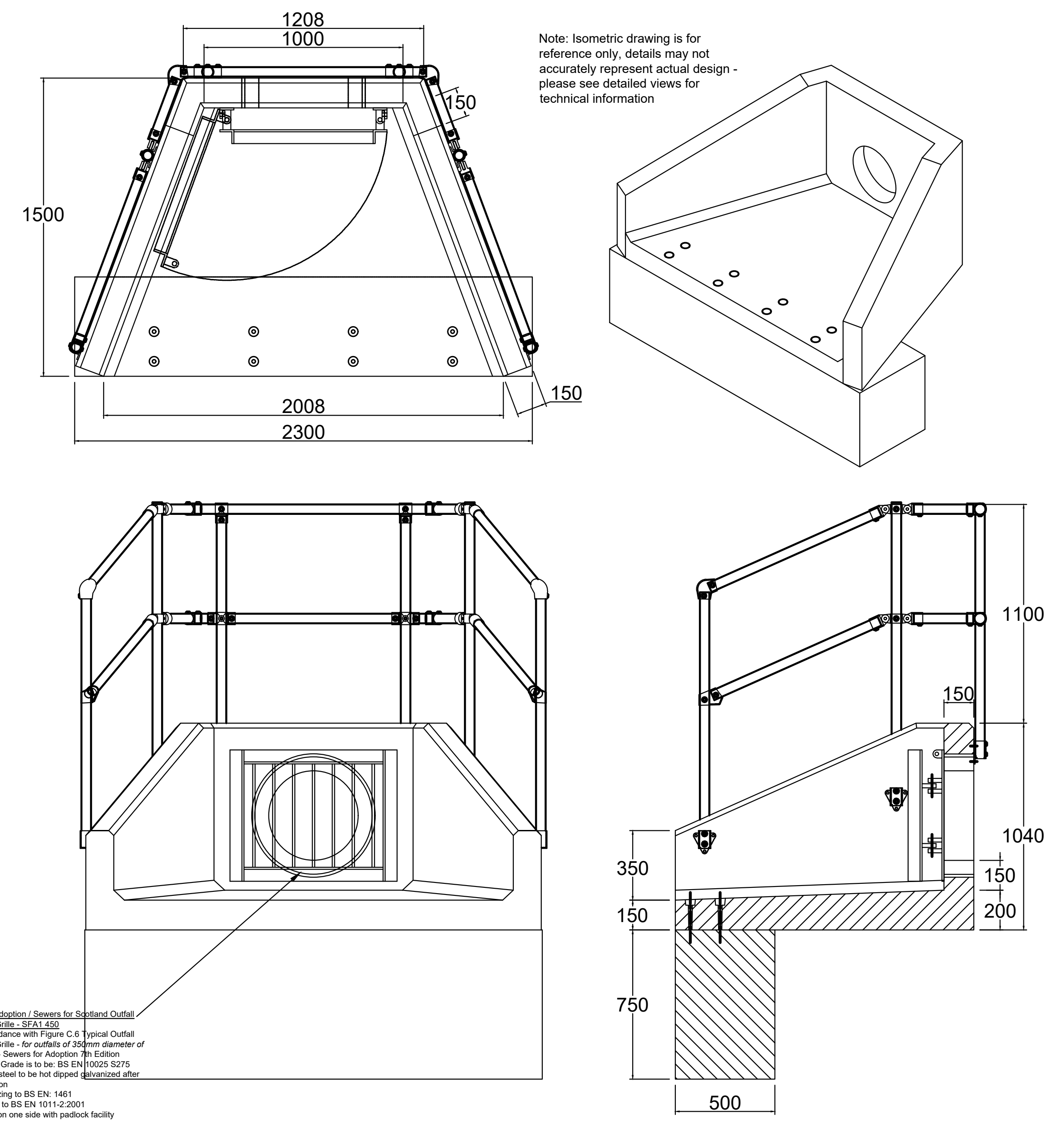


Note: Isometric drawing is for reference only, details may not accurately represent actual design - please see detailed views for technical information

Sewers for Adoption / Sewers for Scotland Outfall Safety Grille - SFA1 600
1. In accordance with Figure C.6 Typical Outfall Safety Grille - *for outfalls of 350mm diameter of greater* - Sewers for Adoption 7th Edition
2. Material Grade is to be: BS EN 10025 S275
3. All mild steel to be hot dipped galvanized after fabrication
4. Galvanizing to BS EN: 1461
5. Welding to BS EN 1011-2:2001
6. Hinged on one side with padlock facility
7. Weight Approx: 80kg

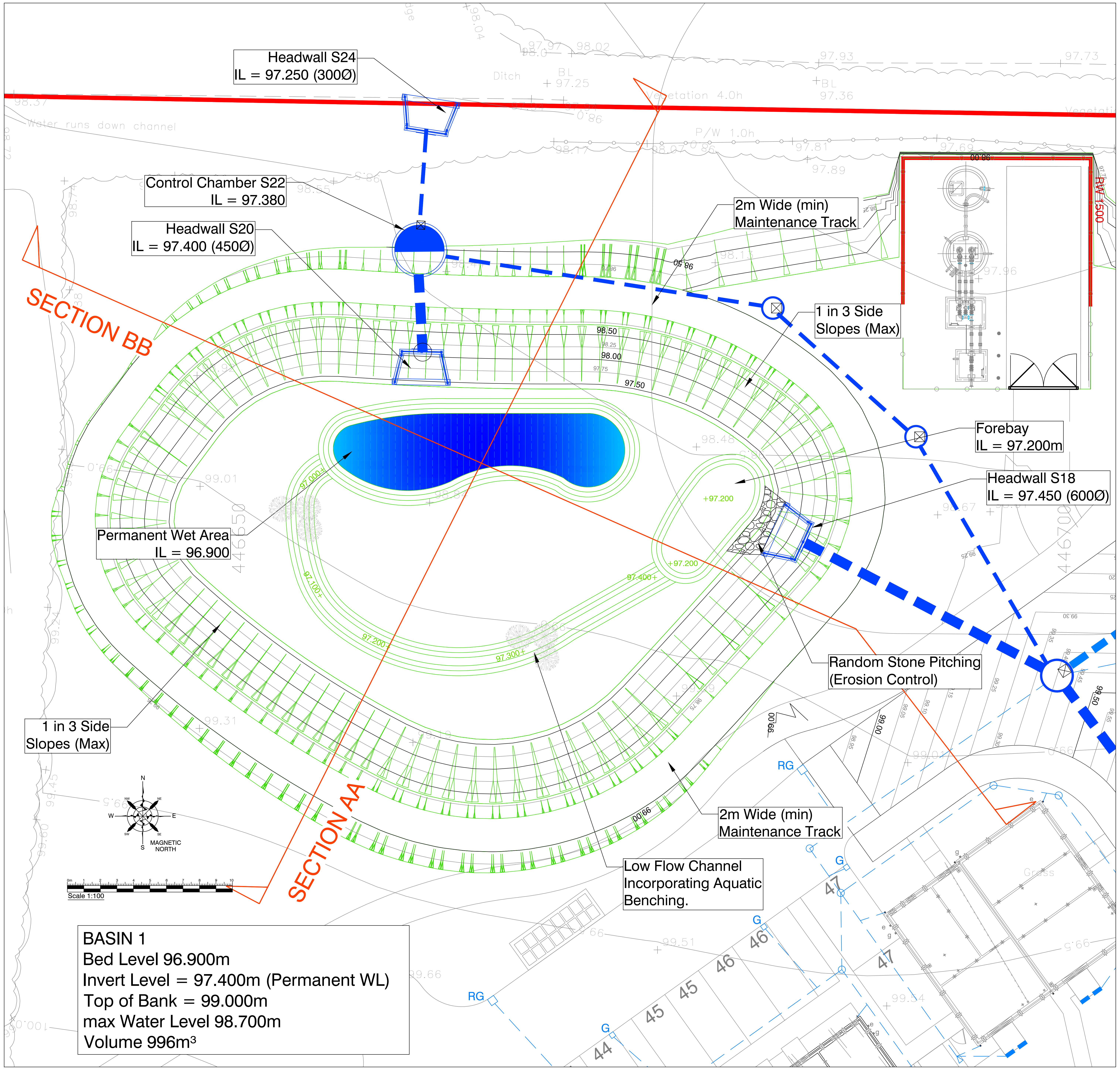
## HEADWALL S18



Note: Isometric drawing is for reference only, details may not accurately represent actual design - please see detailed views for technical information

Sewers for Adoption / Sewers for Scotland Outfall Safety Grille - SFA1 450
1. In accordance with Figure C.6 Typical Outfall Safety Grille - *for outfalls of 350mm diameter of greater* - Sewers for Adoption 7th Edition
2. Material Grade is to be: BS EN 10025 S275
3. All mild steel to be hot dipped galvanized after fabrication
4. Galvanizing to BS EN: 1461
5. Welding to BS EN 1011-2:2001
6. Hinged on one side with padlock facility
7. Weight Approx: 55kg

## HEADWALL S20



BASIN 1
Bed Level 96.900m
Invert Level = 97.400m (Permanent WL)
Top of Bank = 99.000m
max Water Level 98.700m
Volume 996m³

## Notes

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Drawings must not be scaled. Work to figured dimensions only

1. Due to a change in legislation on 1st October 2011, there could be formally private sewers which have transferred over to the responsibility of the Sewerage Undertaker. If such sewers are located on site during construction works, please contact Stewart and Harris so that a Section 185 Agreement can be prepared to divert these sewers.
2. The survey information used in the preparation of this drawing is not warranted. The contractor shall check all dimensions and levels on site.
3. This drawing must be read in conjunction with the site investigation report. Before work commences contractor should consult the engineer and the SI report regarding any contamination issues. All necessary health and Safety measures to be taken.
4. Before work commences, the contractor shall liaise with all Statutory Authorities to determine the exact location of all apparatus and take all precautions deemed necessary to locate, protect and where necessary divert such equipment.
5. This drawing is subject to approval by Local Authority, Building Control, Sewerage Undertaker and the Environment Agency. Any works undertaken prior to the granting of these approvals is carried out at at risk to others.
6. Should any surplus excavated material require disposal off site, it should be taken to a suitably licensed landfill site.
7. The contractor shall check all dimensions and levels on site.
8. Setting out to be confirmed by the Architect.
9. Prior to commencing work on the drainage, all existing drains, sewers manholes and outfalls to remain shall be located, identified and a CCTV condition survey carried out. Where necessary, protection to the existing drainage infrastructure shall be provided.
10. All existing sewers and manholes abandoned due to the proposed works are to be either removed, and suitably backfilled or grouted up.
7. All adoptable drainage work shall be constructed in accordance with the WRc publication 'Design and Construction Guidance for Foul and Surface Water Sewers' (DCG) and the Water Authority's guidance.
8. Private drainage in accordance with the Building regulations Part H and BS.EN 752.
9. All existing drainage levels, diameters & locations need to be checked on site prior to any drainage works, and any discrepancies need to be reported back to the Engineer.
10. Cover levels for manholes are approximate only and should be adjusted to match surrounding levels.
11. All manhole and drainage covers shall comply with BS.EN124. Manhole covers within block paved area and buildings shall be recessed. Cover strengths to be:-
    Class E600 in areas of heavy loading.
    Class D400 in heavy trafficked areas (roads, services yards).
    Class C250 Lightly trafficked areas ( car parks).
    Class B125 in landscape and non trafficked areas (min. 100mm dp frame).
12. Drainage pipes 100mm Ø unless stated otherwise.
13. Pipes to be :- Vitrified clay to BS EN 295 or Concrete to BS 5911 or UPVC pipes to BS EN 1452 or Thermoplastic Structured wall pipes complying with WIS 4-35-01. BSi kitemarked. Class 8kM/m$^2$ nominal short term ring stiffness.
14. All pipes to be laid with soffits level, unless noted otherwise.
15. Where cover to pipes is less than 1200mm under carriageway - concrete bed and surround or concrete protection slab is required.
16. All pipes beneath buildings to be B&S in concrete. Where cover is less than 300mm the concrete is to be cast integrally with the floor slab.
17. Pipes Penetrating Walls.
    An opening is to be formed through walls to give pipes at least 50mm clearance all round. Brickwork over shall be supported by a lintel. Opening to be masked each side with rigid sheet material.
    Pipes embedded in walls shall have joints formed within 150mm of either wall face. Adjacent rocker pipes of max 600mm length with flexible joints shall continue the pipework.
18. Pipe runs near Buildings.
    If a trench is within 1m of a building it shall be filled with concrete up to the lowest level of the adjacent foundation. If a trench is greater than 1m from a building the trench shall be filled with concrete up to a level below the building equal to the distance from the building less 150mm.
19. Ventilation shall be provided at the head of the foul drainage runs.
20. For setting out of svp and rwp, see architects layout.
21. Threshold drainage is required where levels fall towards a building entrance. Architect to confirm if not required.
22. Yard Gully positions are indicative, should be adjusted on site to suit levels.
23. All gully positions to suit low points and to be trapped.
24. Road gullies shall be trapped 450Ø x 900mm deep with Class D 400 frame and grating to BS EN 124.
25. Drainage channel detailed design to be undertaken by manufactures. Alternative channels may be used, subject to Engineers approval.
26. All concrete to drainage, manholes bases, surrounds etc to be in accordance with the BRE special digest 1 - Concrete in aggressive ground. Refer to site investigation report for sulphate requirements.
27. All manholes, pipe trenches etc. to be backfilled with imported granular fill to Class 6F1-6F5 (Capping material) to (SHW) Table 6/1 & compacted in accordance with Table 6/4.
28. All pipelines shall be tested both before and after backfilling, using either air test or water test, in accordance with BS EN 1610.
29. Demarcation manholes and lateral drains need All adoptable drainage work shall be constructed in accordance with the WRc publication 'Design and Construction Guidance for Foul and Surface Water Sewers' (DCG) and the Water Authority's guidance.
30. Requirement for Land Drains to be assessed on site by the Site Manager

| REV | DATE | AMENDMENT | BY |
|---|---|---|---|
| A | 19.03.2025 | Additional annotation | AJM |

MUCKLOW & HARRIS
CONSULTING CIVIL & STRUCTURAL ENGINEERS
5 Ardent Court,
William James Way,
Henley-in-Arden, B95 5GF
t: 0121 771 0845
e: info@mucklowandharris.co.uk
w: www.mucklowandharris.co.uk

DRAWING STATUS: COMMENT / APPROVAL

CLIENT
Vistry Partnerships

PROJECT
Leicester Road,
Earl Shilton

TITLE
Head Wall Details
(Sheet 1 of 2)

DATE 14.02.2025
DRAWN BPL
SCALE As Shown
SIZE A0
CHECKED DJH
DRAWING NUMBER 22071-114
REVISION A