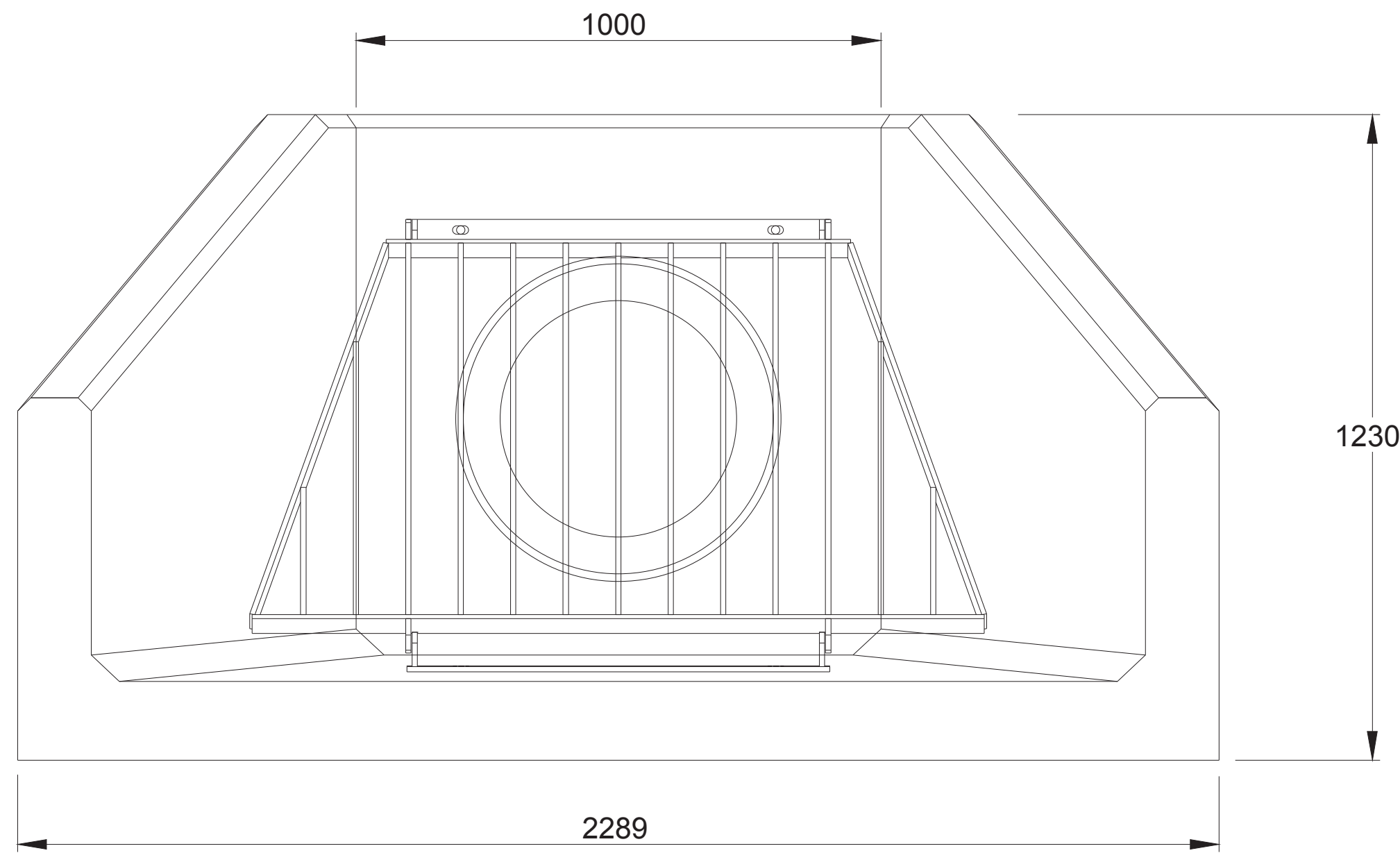
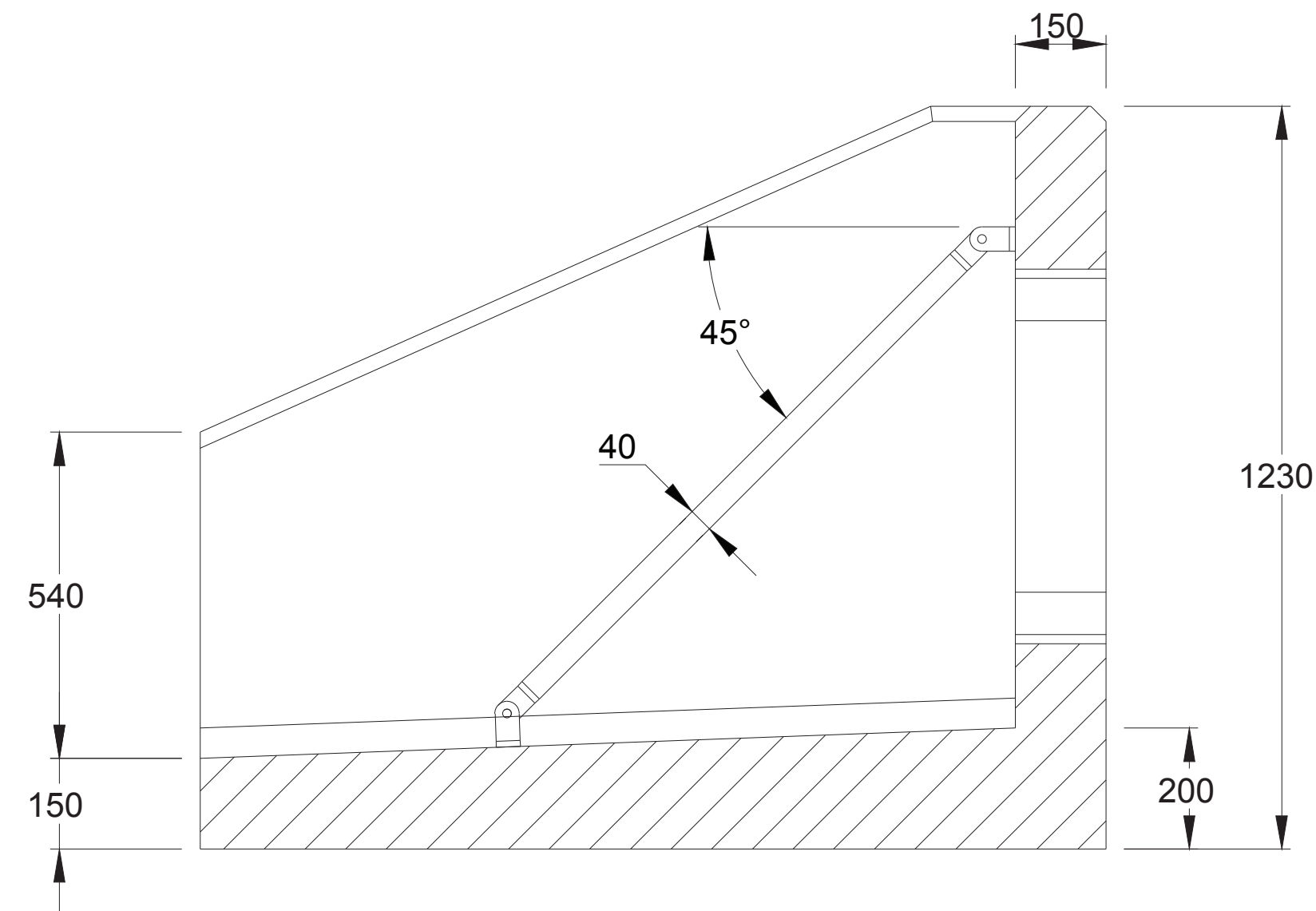
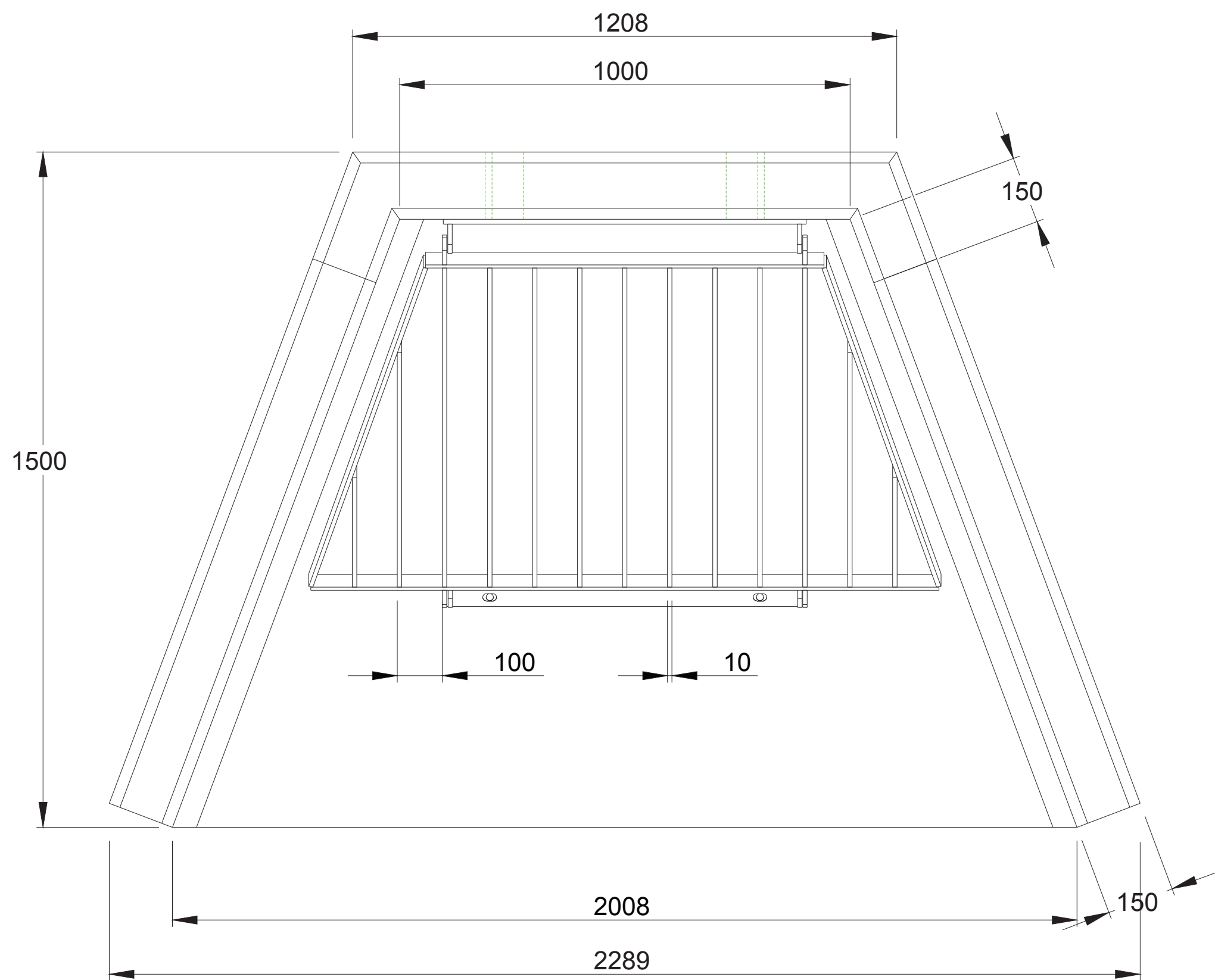




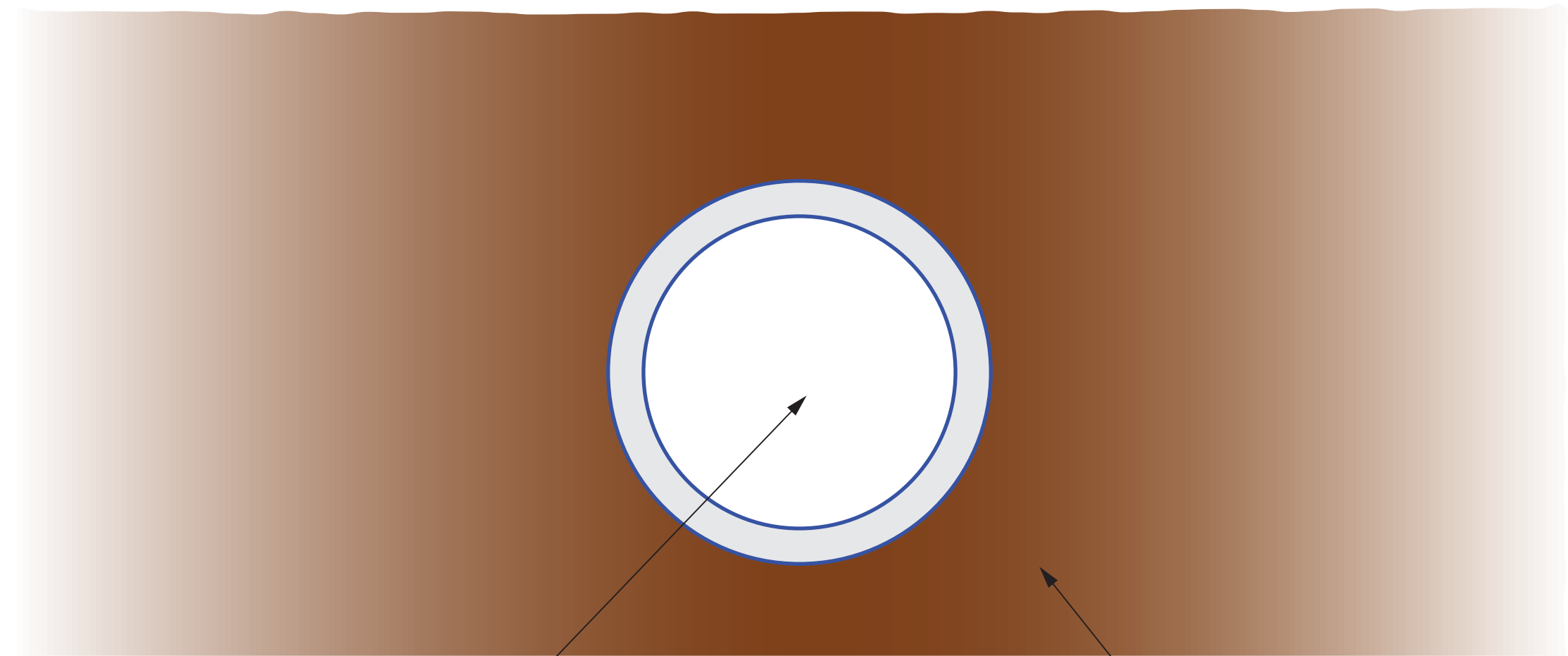
FRONT ELEVATION
SCALE 1:10



SIDE CROSS SECTION
SCALE 1:10



PLAN VIEW
SCALE 1:10



CULVERT
Max Diameter 675mm

CLAY OR GRANULAR EMBANKMENT

EXAMPLE CULVERT CROSS SECTION
NOT TO SCALE

KEY

HEADWALL NOTES:

- Concrete
- A. Mix ref: Self-compacting DC4/DS4 Mix
B. Lifting strength based on 2 cubes = 20N/mm²
C. Characteristic 28 day cube strength = 50N/mm²
D. Concrete provides Design Chemical Class 4 (DC4) to special Digest 1, Table F2.
- Reinforcement
- A. Reinforcement to BS EN 13369
B. Scheduling, dimensioning, bending & cutting to BS8666
C. Cage to be machine tied with steel wire
- Manufacture
- A. Manufacture to BS EN 15258:2008 precast concrete products - Retaining wall elements, Factory Production Control certificate number: 0086-CPR-650448 & BS EN 13369
B. Tolerances to BS EN 13369 clause 4.3.1.1
C. Finishing:
D. Marking: Units shall be indelibly marked to show:
● Mould reference code
● De-mould date
● Job reference number & unique product number
● Unit weight (kg)

Unless otherwise noted all dimensions are in millimetres and all levels are in metres

P01 FIRST ISSUE - FOR PLANNING SUBMISSION				AT	LS	26-06-26
Rev Description				Checked Approved Date		
Author	MS	Drafting Check		LS		
Designer	RM	Design Check		PN		

Telephone: Havant (023) 9249 9888
Fax: Havant (023) 9245 3632
Website: www.portsmouthwater.co.uk
Registered Office: POBox8 West Street
Havant Hampshire PO9 1LG
REGISTERED IN ENGLAND No. 2536455



Future Water
Mackley & Jones Bros. JV

Client
PORTSMOUTH WATER

Project
HAVANT THICKET RESERVOIR

Status
FOR INFORMATION

Status Code **S2**

Drawing Title
PHASE 6 - FE TRACK - HEADWALL AND CULVERT DETAIL

Size

A1

Drawing No.
HTR-FUW-P6-RP-DR-T-3195

Rev
P01

Reproduced by permission of Ordnance Survey on behalf of HMSO.
© Crown Copyright and database right 2026. All rights reserved.
Ordnance Survey Licence Number 100018036.