

SFA6A Specification Information

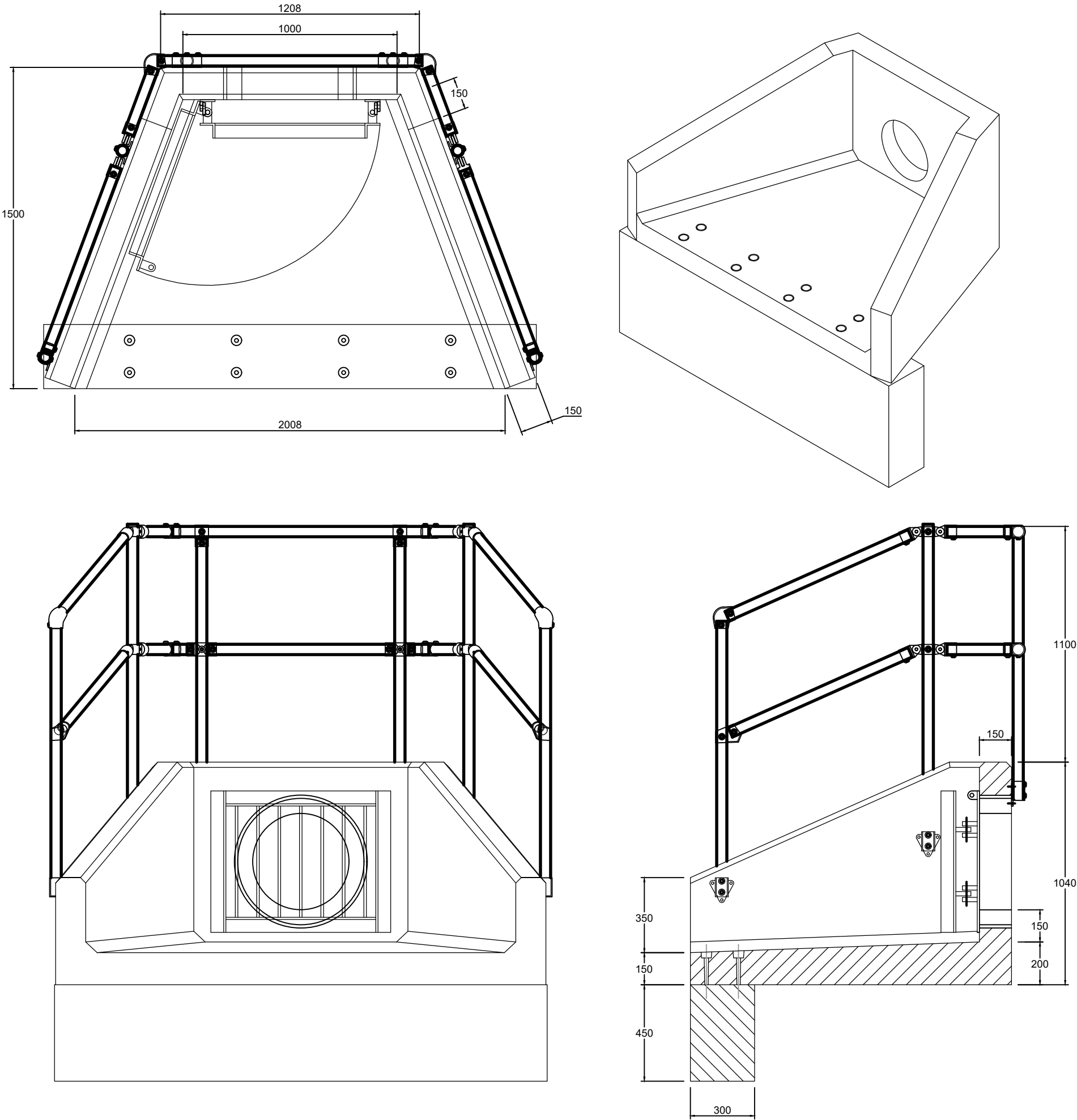
- Opening in back wall cast to suit outside diameter of the pipework
- Invert level of pipe can be set to your specification
- There is a 50mm fall from the back wall of the headwall to the front of the spillway
- SFA6A suitable for pipework up to 450mm ID Plastic or C'ware and 450mm ID PCC with Sewers for Adoption compliant grating, or up to 450mm ID Plastic or C'ware and 450mm ID PCC without Sewers for Adoption compliant grating

Kee Klamp Specification Information

- Galvanised steel kee klamp handrail
- 1040mm high above back wall
- GRP / FRP hand rails also available

Althon SFA6A Headwall Installation

Units should be bedded on minimum 200mm thick well compacted Class 6A* selected well graded granular material.
Material: Reinforced concrete
Weight approximately 2124kg + 754kg Toe
All dimensions in mm



S50 SFA10B HEADWALL
NOT TO SCALE

- Notes:
- Do not scale this drawing
 - The planning, design and construction of sewers shall be in accordance with Sewerage Sector Guidance Appendix C - 'Design and Construction Guidance'.
 - All sewers to be laid soffit to soffit unless otherwise shown.
 - Compliance with Health & Safety matters on any trench/manhole is obligatory and a permit to enter a confined space is required when connecting site drainage to the existing public sewerage system. A permit to enter a confined space will be obtained from Southern Water prior to the works commencing on any public sewerage system.
 - The minimum size of any adoptable surface water sewer it 150mmØ and foul sewer is 100mmØ. Surface water laterals may be 100mmØ
 - Refer to Section 104 drawing for a full set of construction specification notes.
 - All pipes to be plastic unless otherwise shown.
 - Ladders to be galvanised mild steel to BS 4211.
 - Step rungs to be double width, plastic encapsulated mild steel. Distance between step rungs to be 250-300mm.
 - Precast concrete rungs will not be cut under any circumstance.

Soakaway Notes:
1. All soakaways are designed using the nearest worst case infiltration rate taken from Hydrock Geotechnical Report.
2. Prior to construction of any soakaway the contractor shall conduct a test to ensure infiltration rate is the same as or better than the design rate used. All soakaways to be tested and constructed in accordance with BRE 365.
3. All soakaways shown are a minimum of 5m away from any dwelling.
4. All private house soakaways to have a catchpiti immediately upstream of soakaway.

Clause B5.2.12 Table B 1 - Manhole diameters	
Nominal Internal Diameter of Largest Pipe in Manhole (mm)	Minimum Nominal Internal Dimension of Manhole (mm)
Less than 375	1200
375-450	1350
500-600	1800
Greater than 600	Pipe diameter + 900

Diameters considered to be the minimum. Where two or more pipes enter the manhole, the internal dimensions should be increased, where necessary, to accommodate the minimum width of benching. Pipes of different diameters entering manholes should be installed with soffits at the same level.

Clause E6.6.2 Table E 13 - Rocker Pipe details	
Nominal diameter (mm)	Maximum effective length (m)
150 - 600	0.60
601 - 750	1.00
over 750	1.25

REVISIONS

C02	01/10/24	Issued for construction approval.	MT	JAC	JAC
C01	06/09/23	Updated to construction issue.	JL	GH	GH
P02	13/07/23	Updated headwalls to reflect updated drainage strategy to one outfall point located at the south west of the site.	JL	GH	GH
P01	07/10/22	First Issue.	JT	NJ	JC

Rev	Date	Description	By	Ckd	App
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CLIENT
FOREMAN HOMES

PROJECT
LAND OFF MISERY LANE
PROVIDENCE HILL, BURSLEDON
SOUTHAMPTON

TITLE
DRAINAGE CONSTRUCTION DETAILS
SHEET 4 OF 6

HYDROCK PROJECT NO. C-21627-C		SCALE @ A1 AS SHOWN	
STATUS DESCRIPTION FOR APPROVAL			STATUS S4
DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER) 21627-HYD-XX-XX-DR-C-0413			REVISION C02