

Notes:

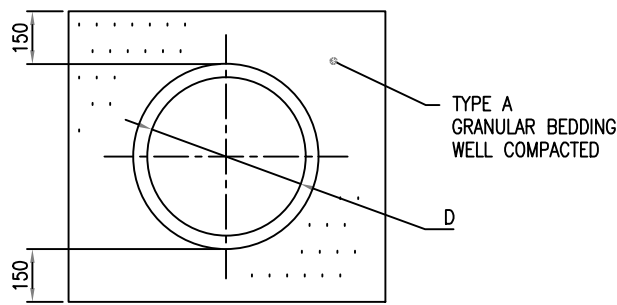
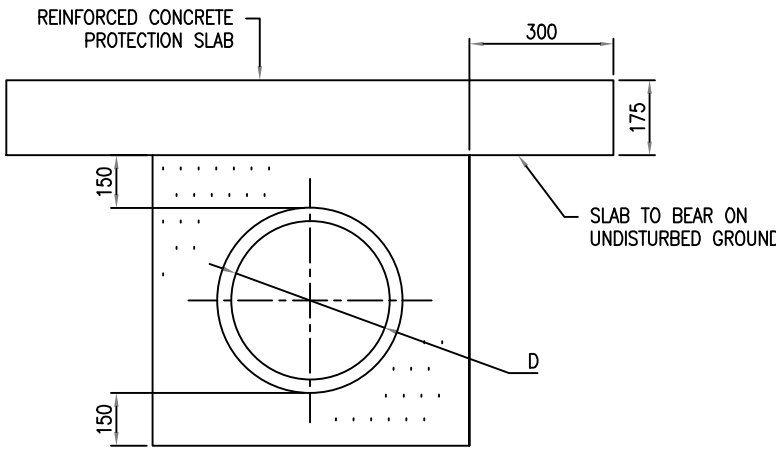
General

- All dimensions are in mm unless stated otherwise.
- No works shall commence on site until all relevant technical approvals are in place and agreed in writing with the appropriate approval body, any works implemented prior to approval is at risk and is the responsibility of the Principal Contractor.
- All adoptable drainage works shall comply with Sewers for Adoption 6th Edition and any Anglian Water amendments to that document.
- Under any circumstances, the cutting of precast manhole ring should be avoided. Construction process and precast rings should be selected accordingly.

Materials

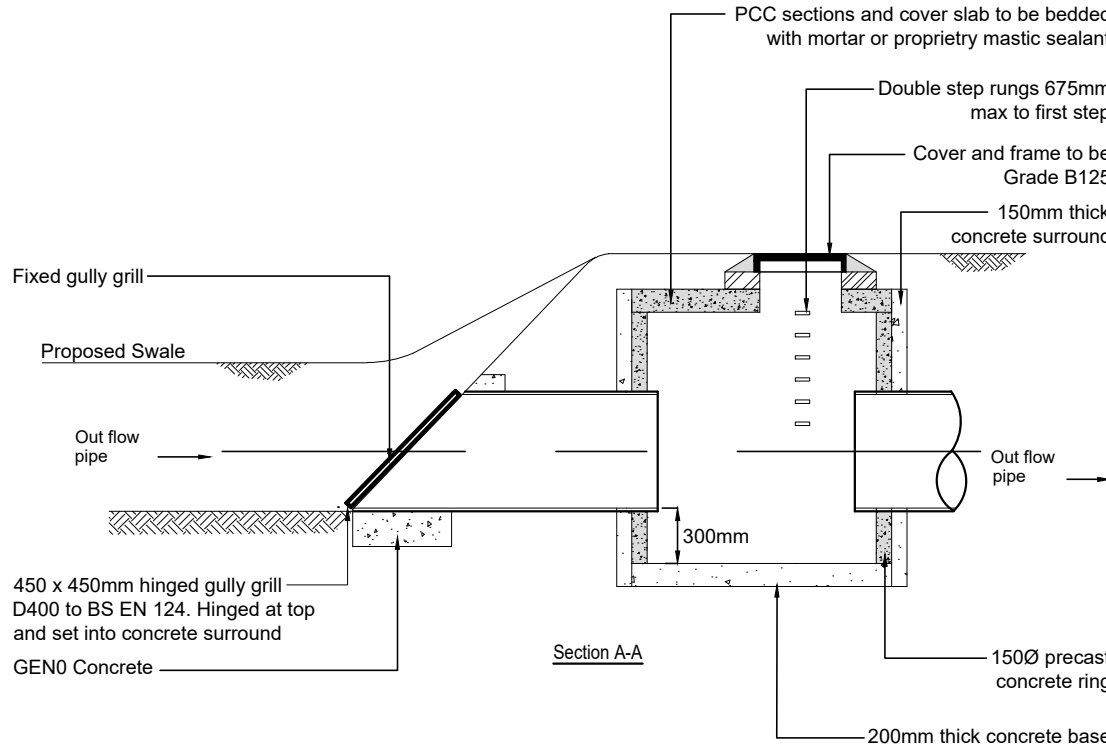
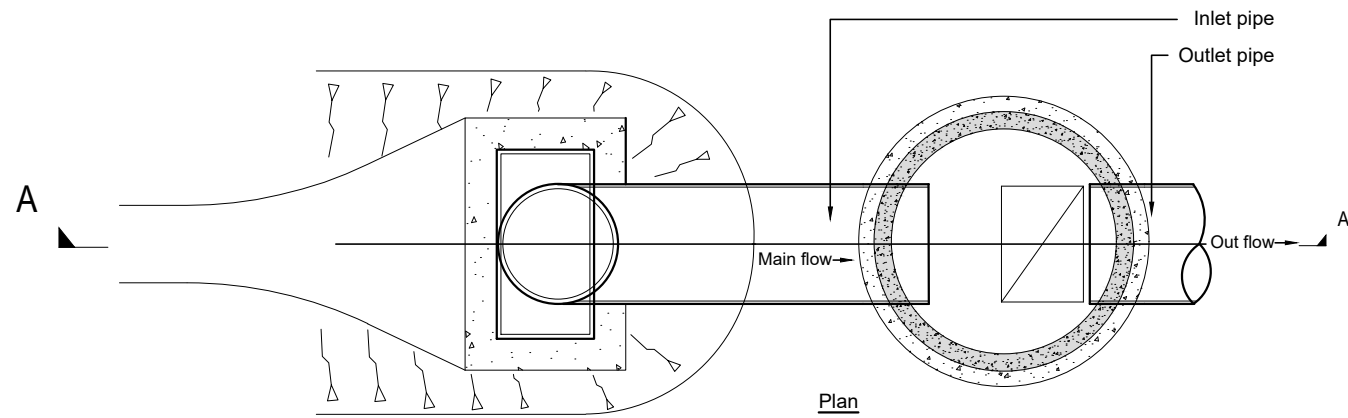
- All chamber covers and frames shall be heavy duty ductile iron, kitemarked and compliant with BS EN 124. All covers used in areas with vehicle access to be D400 classification and B125 in pedestrian areas.
- All precast concrete chamber rings, covers slabs and seating rings to conform with BS EN 1917 and BS 5911-3 and shall be installed in accordance with the manufacturer's recommendations and guidance.
- The high strength concrete topping as shown on this drawing shall be a granolithic concrete complying with the relevant provisions of BS 8204-2.
- All institu concrete specified on this drawing shall be compliant with BS EN 206 and BS 8500.
- For requirements respective to root protection to pipe lines, refer to the Landscape Architect's drawings.
- All materials to be BS kitemarked
- This drawing to be read in conjunction with Design and Construction Guidance for foul and surface water sewers offered for adoption under the Code of adoption agreements for water and sewage companies operating wholly or mainly in England, approved version 2.0 10/03/2020.

For pipework with less than 0.9m cover, structural engineer to be consulted to confirm adequate pipe protection measures

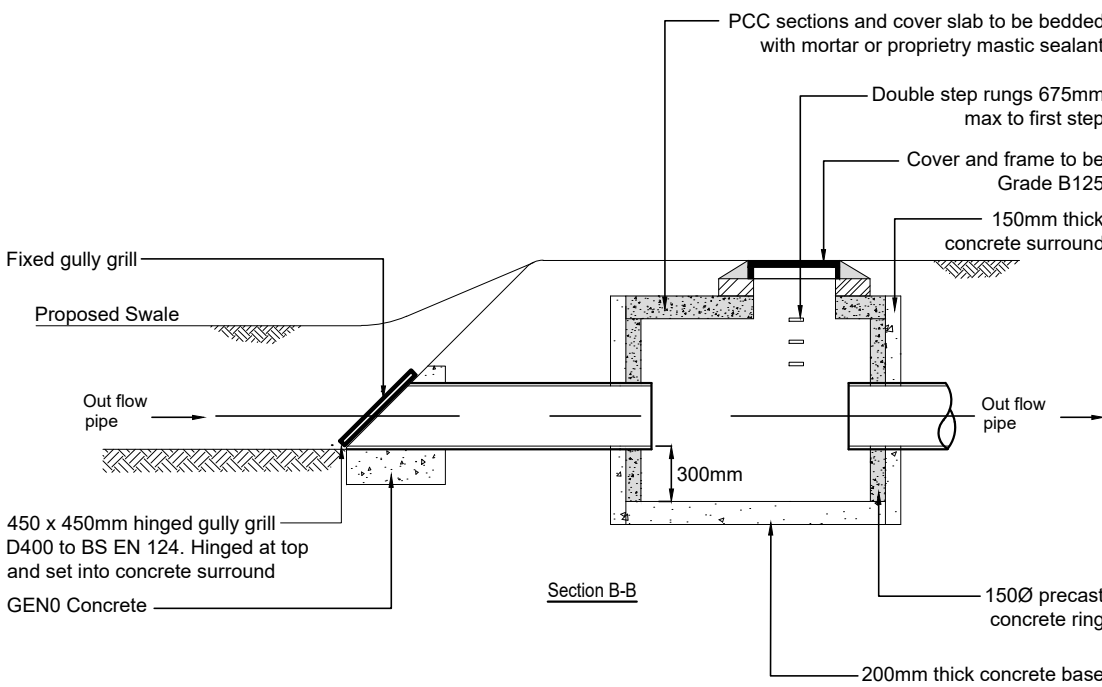
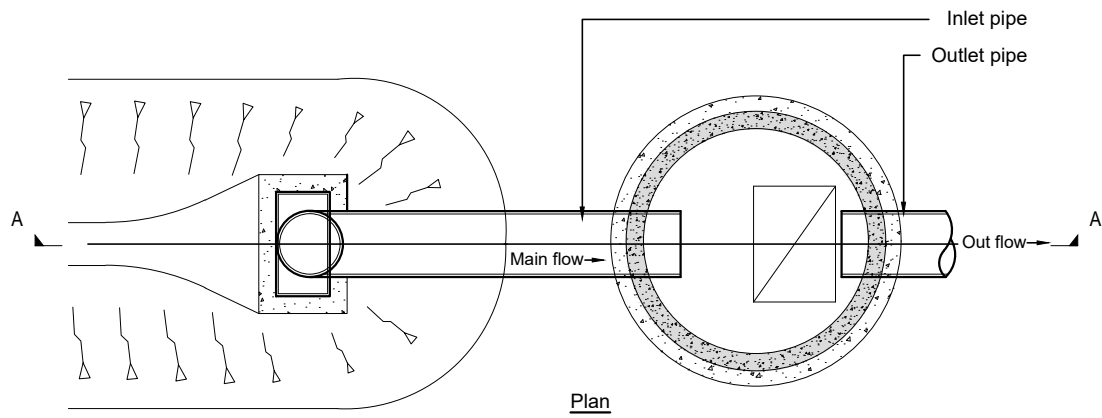


GRANULAR BED AND SURROUND
CLASS S
BEDDING FACTOR 2.2

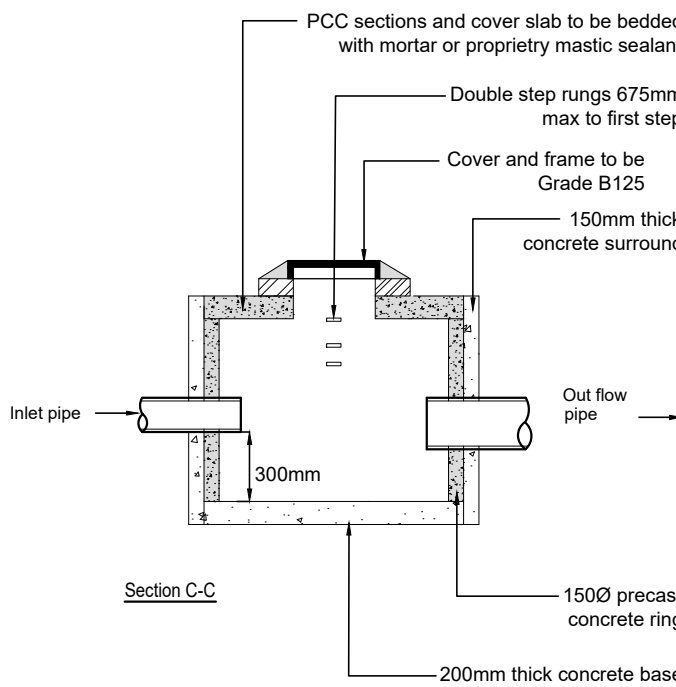
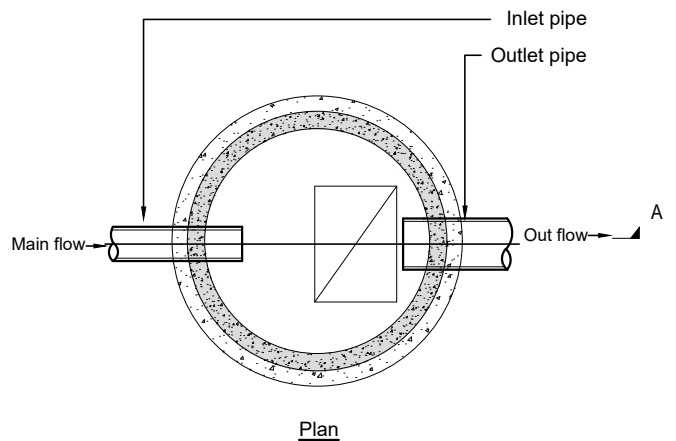
- NOTES:
- CLASS 'S' GRANULAR BED AND SURROUND PREFERRED WITH THE ADDITION OF A REINFORCED CONCRETE PROTECTION SLAB WHERE THE DEPTH OF COVER BENEATH THE HIGHWAY IS LESS THAN 1.2m OR LESS THAN 0.9m IN NON TRAFFICKED AREAS.
 - SEE WS 4-08-02 FOR BEDDING MATERIAL SPECIFICATION.
 - REFER TO IGN 4-11-02 FOR TRENCH WIDTH DETAILS.



TYPICAL CATCHPIT TO SWALE
(450MM DIA PIPE) CONNECTION



TYPICAL CATCHPIT TO SWALE (300-375MM
DIA PIPE) CONNECTION



TYPICAL CATCHPIT
DETAIL 150-225MM DIA PIPE)

CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-

RSK LDE LTD has followed its Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing. Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type.

Where rigid pipes are used, a flexible joint shall be provided as close as is feasible to the outside face of any structure into which a pipe is built, within 150mm for pipe diameters less than 300mm. The design of the joints shall be compatible with any subsequent movement.
150 to 600 - effective length 0.6m
601 to 750 - 1.0m
Over 750 - 1.25m

Rev.	Date	Amendment	Drawn	Chkd.	Appd.
P5	25.07.23	Drawing updated to Client comments	MS		
P4	29.06.23	Drawing updated to latest drainage design	PO	MS	
P3	05.01.22	Updated to suit Anglian Water comments dated 21.12.21	LGS	MAR	
P2	07.12.21	Updated to suit Anglian Water comments dated 14.10.21	LGS	MAR	
P1	01.10.21	First Issue	LGS	MAR	

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Client
Allison Homes

Project Title
**Moulton Chapel
Spalding**

Status
DETAILED DESIGN

Drawing Title
**Drainage Construction Details
Sheet 2 of 2**

Drawn LGS	Date SEP 21	Checked MAR	Date SEP 21	Approved Date
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Scale NTS	Orig Size A1	Dimensions
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Project No. 881565	Drawing File
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Drawing No. 40-07-02	Rev. P5
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