

General Notes

- Drawing is not to be reproduced or printed at any scale or paper size other than the original scale.
- All dimensions in meters unless otherwise stated.
- Drawing to be read in conjunction with all other relevant Engineers, Architects and Specialist design drawings and details.
- Any discrepancies are to be highlighted to the engineer immediately.
- The Contractor shall establish exact levels of the existing foul and surface water sewers, and/or proposed level at discharge point, prior to the commencement of any drainage works.
- The Contractor must ensure that the gradients indicated on the longitudinal sections are checked between the levels shown, prior to laying pipes. At no times must the contractor proceed with pipe laying by dialling the gradient shown into a laser without checking. Any discrepancy in this respect must be reported to the engineer prior to pipe laying.
- The Contractor shall check his pipe gradients by means of profiles and traveller to verify the laser gradients.
- In the event of the above procedures not being followed, the client will accept no responsibility whatsoever for any consequential loss or damage.
- The Contractor is responsible for ensuring that all works are to the satisfaction of the Engineer and shall be deemed to have included within his rates for any necessary testing.
- Pipes of different diameters entering manholes should be installed with soffits at the same level.
- Sewers shall be constructed to the satisfaction of Severn Trent Water and in accordance with the Design and Construction Guidance (DCG).
- A protective plastic membrane is to be applied to all foul sewers that are laid above surface water sewers.
- Catch pits shall not be adopted.
- Easements to be in accordance with the Local Practice on Sewer Easements by Severn Trent Water.
- Where pipe crossing, plastic membrane to be used for protection to eliminate any chances of cross contamination.
- No backdrops to be used. Steeper gradients are preferred to the use of backdrops.
- Precast concrete manhole rings will not be out under any circumstances. Other options, manhole built up with concrete or brickwork to the top of pipe.
- Protective concrete cover slabs to be used on pipes in non traffic area which doesn't achieve 0.9m cover level and 1.2m cover in trafficked areas.
- All cover and frames to be kitemarked.
- The outside of the sewer should be in vehicle carriageway and not footpath and be at least 1m from the kerb line. The outside of manholes should be at least 0.5m from the kerb line.
- All proposed manhole covers and frames at a minimum of 675mm x 675mm to maintain clear opening and to comply with Severn Trent Water Ltd current Health and Safety standards.
- Only suitable materials to be used.
- All laterals to be 1500 @ 1:80 unless stated otherwise on drawing.
- Infill covers and frames in block paved areas are not to be used.
- The materials to be used are suitable for the ground conditions.
- In situations where traffic loadings is anticipated to be heavier than would typically occur on a residential estate distributor road (ie braking or turning near a junction) a higher specification cover (E500) should be used.

Key:

- Adoptable section 104 storm sewer and manholes (cover & invert levels shown).
- Adoptable section 104 foul sewer and manholes (cover & invert levels shown).
- Trapped road gully with 150mm dia gully connection.
- Severn Trent Water Sewer Easement.
- Site Boundary.

Revision	Description	Date	Drawn	Check

APPROVAL

Status



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Title: Drainage General Arrangement

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