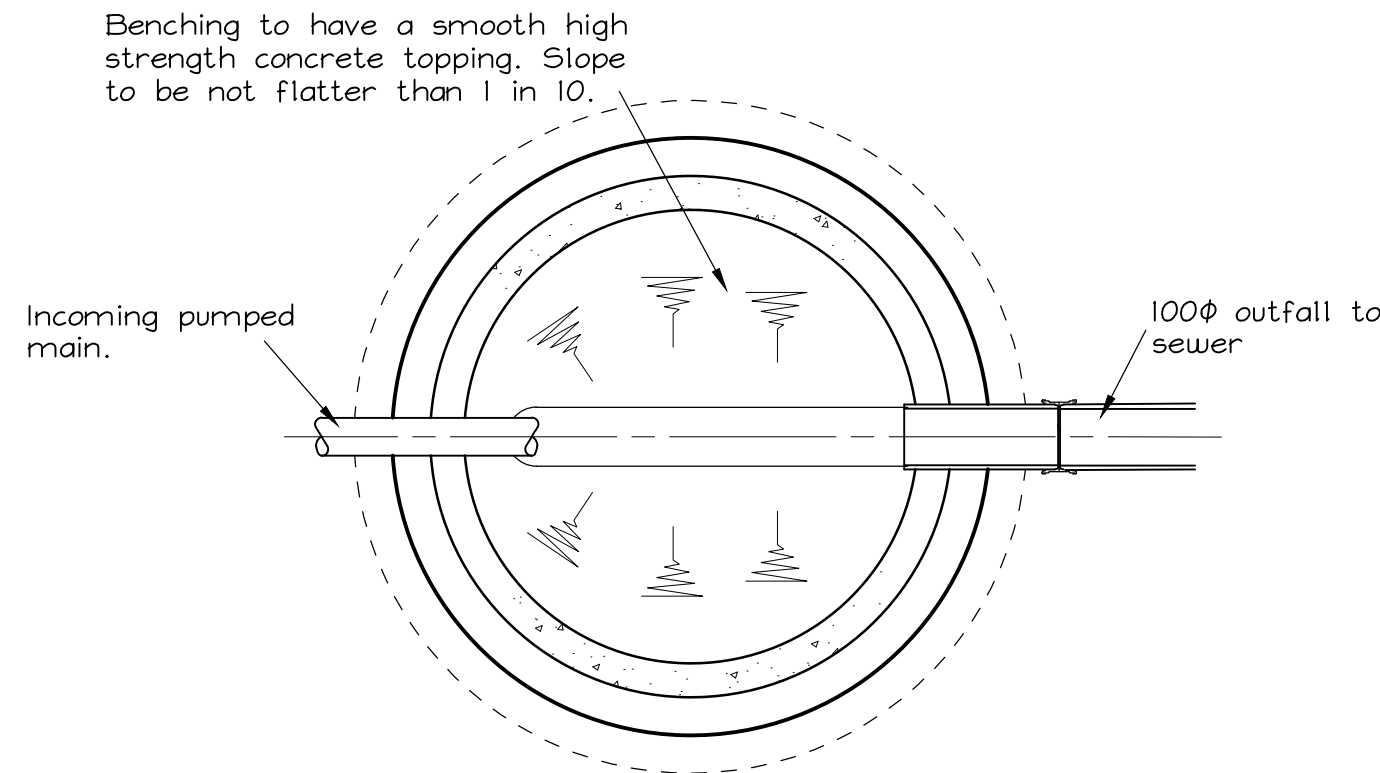
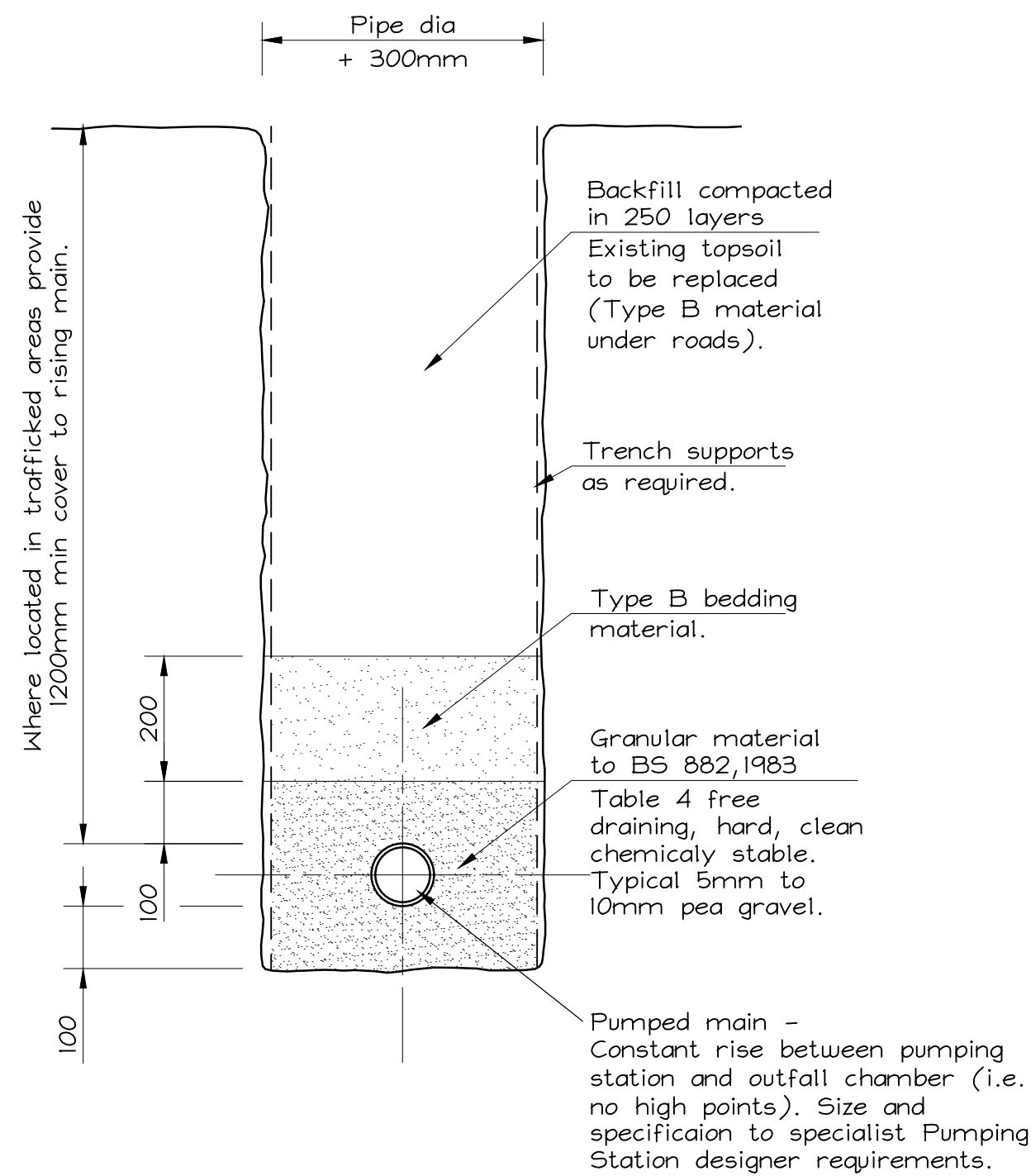


Section



Plan

Pumped Main Outfall Chamber



Pumped Main Typical Section

General Notes

- All concrete used in drainage works shall comply with BRE Special Digest SD1 for the following aggressive conditions in the ground:
Design sulphate class DS-1
Aggressive chemical environment class AC-21
Design concrete class DC-1 (TBC)
No additional protective measures (APMs).
The strength criteria for the specified standard mixes (ST4 etc.) should also be observed. Concrete mixes should meet the most onerous design criteria between strength and resistance to chemical attack.
- Pipes and channels to be either:
Concrete to BS EN 1916 & BS 5911
Extra Strength Vitrified Clay to BS EN 288
Unplasticised PVC to BS EN 1452
- All flexible pipes in trafficked areas with less than 900mm cover to have concrete surround.
- All flexible pipes in gardens and planted areas with less than 600mm cover to have concrete surround.
- Backfill material to pipe trenches beneath trafficked areas to be selected and compacted in accordance with the Highway Authorities & Utilities Committee Specification for the Reinstatement of Openings in Highways-June 1992.
Acceptable materials (HAUC Specification Appendix A1):
Class A - Graded granular
Class B - Granular
Class C - Cohesive/granular.
Compaction to be in accordance with HAUC Specification Appendix AB).
- Beneath non-trafficked areas backfill shall be Type B
- Manhole covers and frames are to be in accordance with BS EN124:
Class D400 for carriageways
Class B125 for footways, pedestrian areas & car parks
Class A15 for areas only subject to pedestrians.
- The minimum size of any manhole serving a sewer (i.e any drain serving more than one property) should be 1200mm x 675mm rectangular or 1200mm diameter.
- Where drainage passes within 300mm of the underside of the floor slab, concrete protection is required. Greater than 300mm, granular bed and surround 100mm thick is to be used.

A First Issue. JT 24.04.25

Rev	Description	By	Date
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MERSTHAM,
SURREY
RH1 3EF
01737 333139



Project
LAND AT:
GREENSLEEVES, TILTWOOD,
HOPHURST LANE, CRAWLEY
DOWN, RH10 4LL.

Drawing Title
PUMPED MAIN
DETAILS

Drawing No.	Revision
7684-254	A

Scale 1:20 @ A1 Date SEPT 2025

Drawing Status PRELIMINARY

Drawn By JT Checked By KH

Client
TILTWOOD HOMES