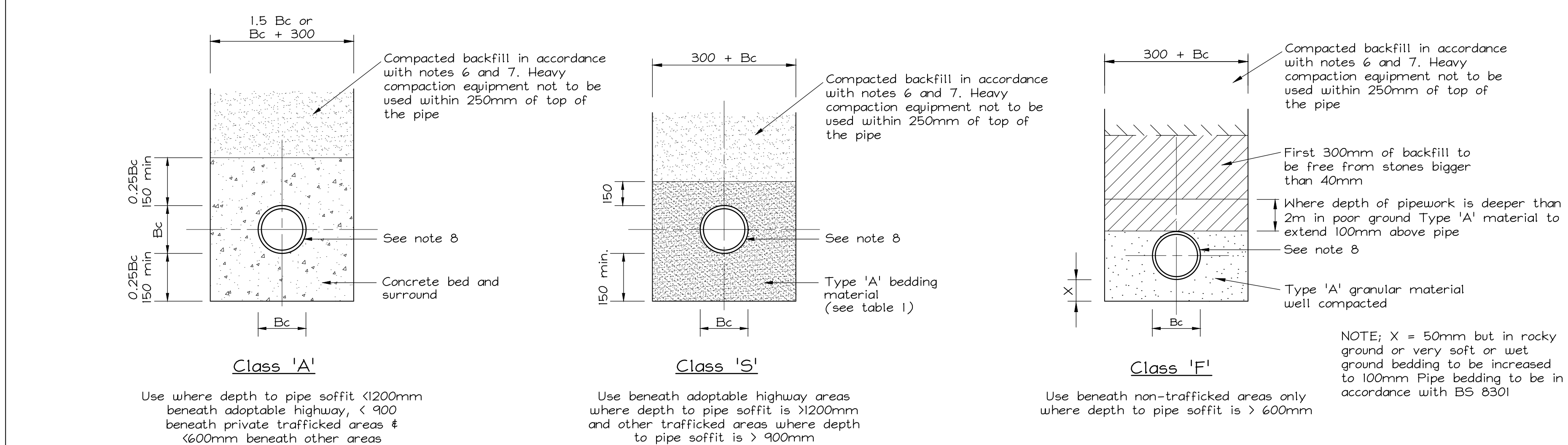


Polypropylene Shallow Inspection Chamber Detail  
(Not suitable for use in trafficked areas)

Rainwater Pipe Detail  
(Suitable for use with separate foul and surface water drains)


Rodding Eye Detail



Typical Pipe Bedding Details

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 285  
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
<div>KRYSTAL ENGINEERING LTD 1 STATION ROAD SOUTH, MERSTHAM, SURREY RH1 3EF 01737 333139</div> <div></div>			
Project LAND AT: GREENSLEEVES, TILTWOOD, HOPHURST LANE, CRAWLEY DOWN. RH10 4LL.			
Drawing Title DRAINAGE DETAILS SHEET 2			
Drawing No. 7684-251		Revision A	
Scale 1:20 @ A1		Date SEPT 2025	
Drawing Status PRELIMINARY			
Drawn By JT		Checked By KH	
Client TILTWOOD HOMES			