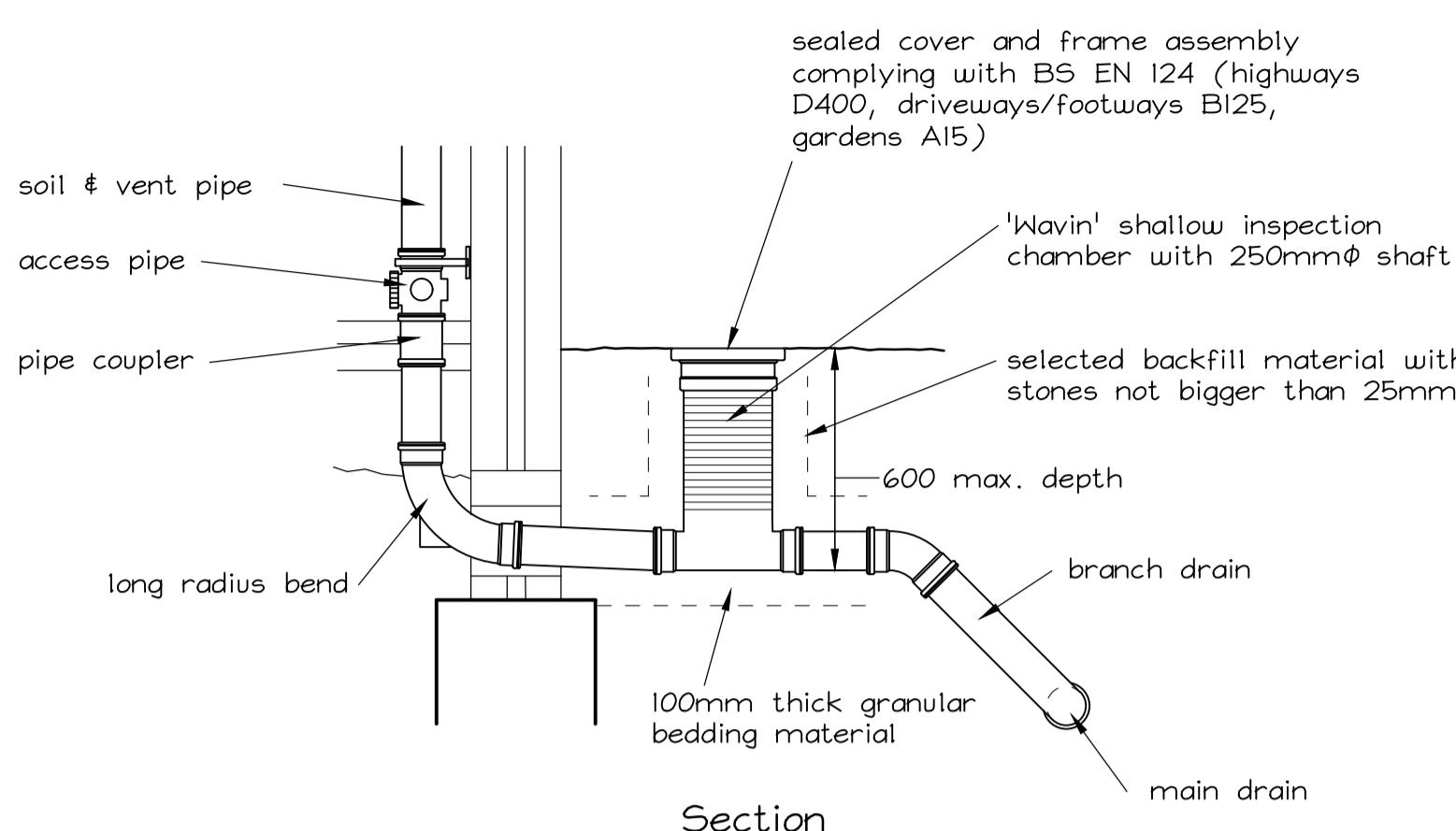


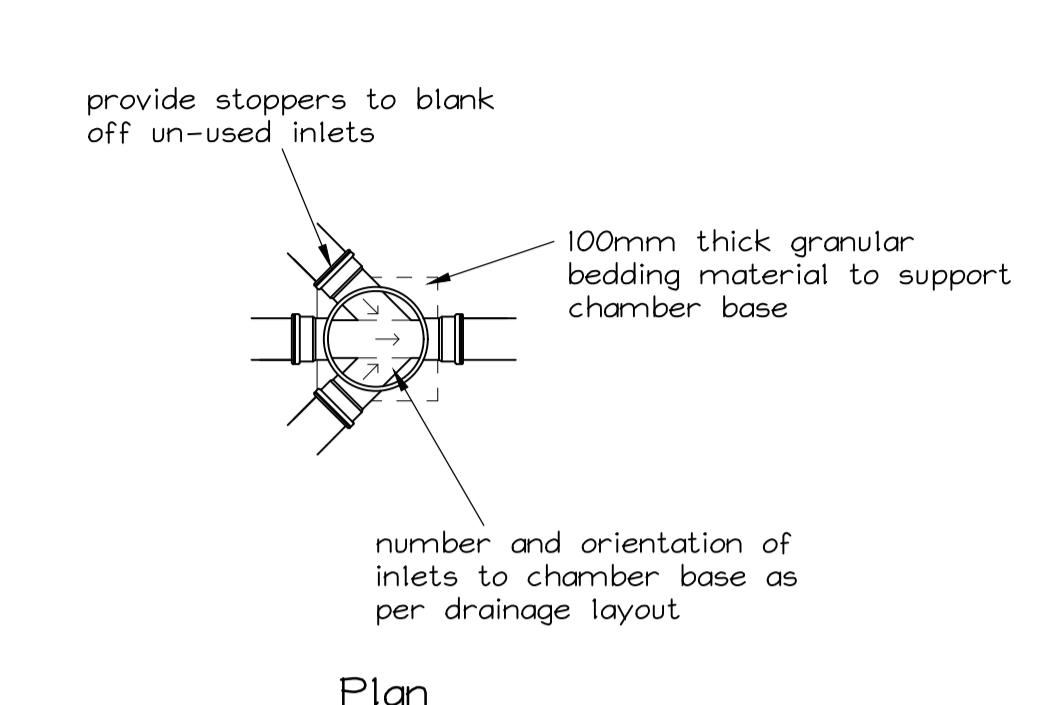
General Notes

- 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 A-2
 - 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 295 Unplasticised PVC to BS EN 1482
- 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 serving manholes and chambers to be selected and compacted in accordance with the Highway Authorities & Utilities Committee Specification for the Rehabilitation of Openings in Highways-Junc. 1995 Acceptable materials (HAUC Specification Appendix A1)
 - Class A - Graded granular
 - Class B - Gravelly/granular
 - Class C - Cohesive/granular
 Compaction to be in accordance with HAUC Specification Appendix A8.
- Beneath non-trafficked areas backfill shall be Type B
- Manhole covers and frames are to be in accordance with BS EN124.
- 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.



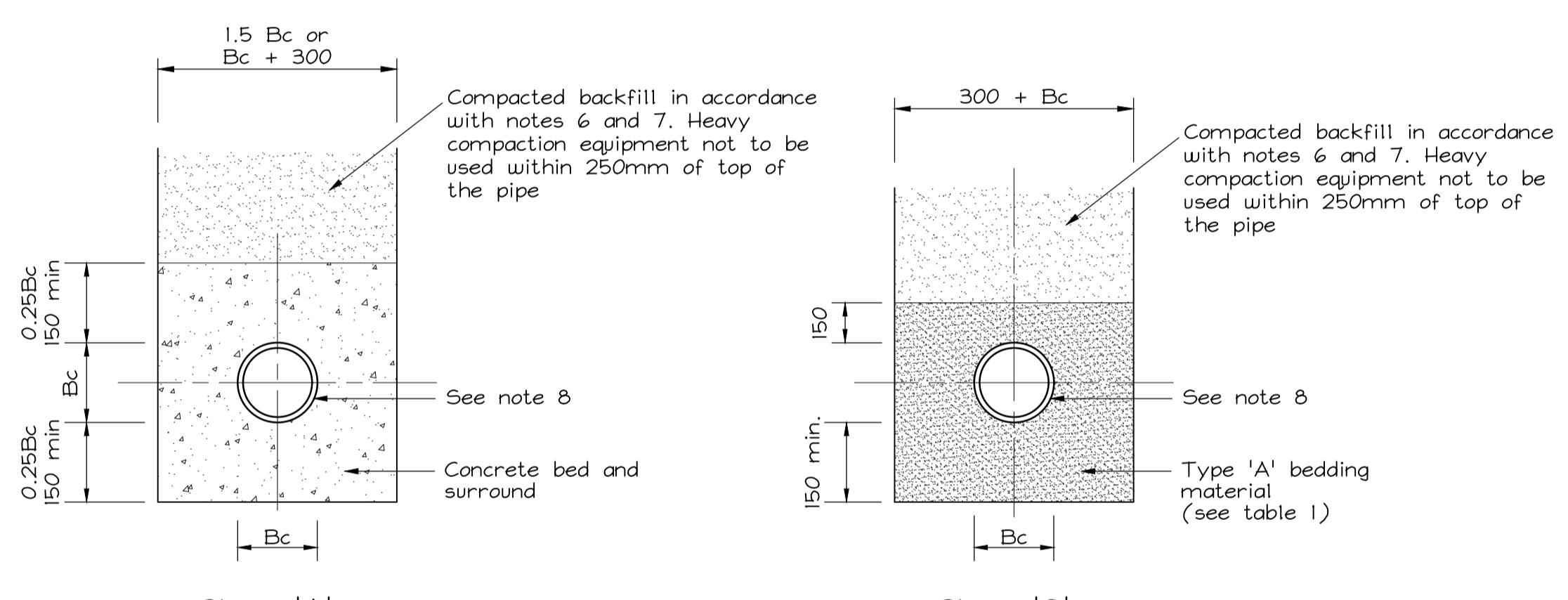
Polypropylene Shallow Inspection Chamber Detail

(Not suitable for use in trafficked areas)



Rainwater Pipe Detail

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



Class 'A'
Use where depth to pipe soffit <1200mm
beneath adoptable highway, < 900
beneath private trafficked areas &
>600mm beneath other areas

Class 'S'
Use beneath adoptable highway areas
where depth to pipe soffit is >1200mm
and other trafficked areas where depth
to pipe soffit is > 900mm

Class 'F'
Use beneath non-trafficked areas only
where depth to pipe soffit is > 600mm

NOTE; X = 50mm but in rocky
ground or very soft or wet
ground bedding to be increased
to 100mm Pipe bedding to be in
accordance with BS 8301

Rodding Eye Detail

A	First Issue.	JT 24.04.25
Rev	Description	By Date
KRYSYL ENGINEERING LTD 1 STATION ROAD SOUTH, MERSTHAM, SURREY RH13 3EF 01737 333139		
Project LAND AT: GREENSLEEVES, TILTWOOD, HOPHURST LANE, CRAWLEY DOWN, RH10 4LL		
Drawing Title DRAINAGE DETAILS SHEET 2		
Drawing No.	Revision	
7684-251	A	
Scale	1:20 @ A1	Date
		SEPT 2025
Drawing Status	PRELIMINARY	
Drawn By	Checked By	
JT	KH	
Client	TILTWOOD HOMES	