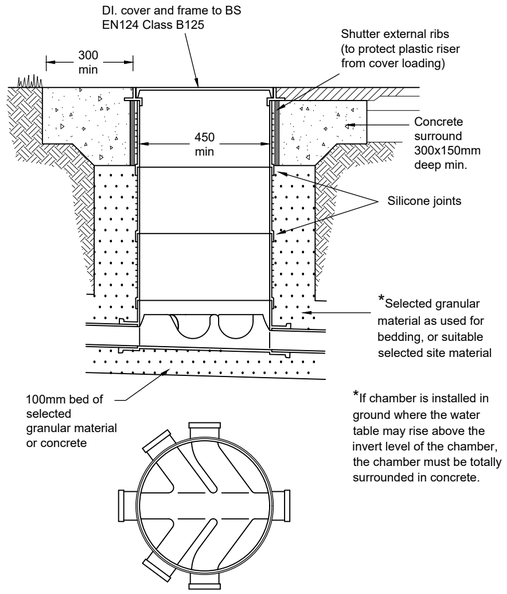
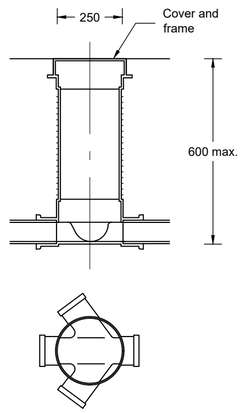
If depth to invert is >1.2m, access must be restricted to 350mm dia.

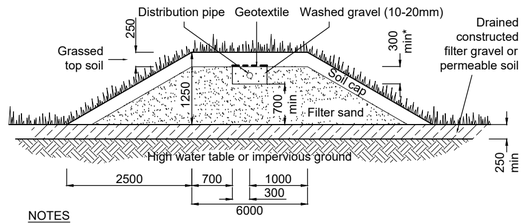


All chambers must be installed in accordance with manufacturers instructions for required loading conditions.

uPVC INSPECTION CHAMBER TYPICAL INSTALLATION for B125 LOADING



uPVC ACCESS CHAMBER 250mm



NOTES

1. To provide venting of the filter, the upstream ends of the distribution pipes may be extended vertically above the mound level and capped with a cowl or grille.
2. Surface water run-off and uncontaminated seepage from the surrounding soil may be cut off by shallow interceptor drains and diverted away from the mound. There must be no seepage of wastewater to such an interceptor drain.
3. Where the permeable soil is slow draining and overlaid on an impervious layer, the mound filter system should be constructed on a gently sloping site.
4. The geotextile to be 1000 grade Terram or similar material.
5. End of the pipe to be capped off.

* The minimum depth of the washed gravel assumes there is 100mm of gravel above and below the distribution pipes.

DRAINAGE MOUND 1 PIPE SECTION

Nominal Size of Pipe (mm)	Nominal maximum Particle Size (mm)	Maximum CF value	Materials specified in British Standards
100	10	0.15	10mm nominal single-size
Over 100 to 150	15	0.15	10 or 14mm. nominal single-size or 14mm to 5mm graded.
Over 150 to 300	20	0.15	10, 14 or 20mm nominal single-size or 14mm to 5mm graded or 20mm to 5mm graded.
Over 300 to 550	20	0.15	14 or 20mm nominal single-size or 14mm to 5mm graded or 20mm to 5mm graded.
Over 550	20	0.15	14, 20 or 40mm nominal single-size or 14mm to 5mm graded or 20mm to 5mm graded. or 40mm to 5mm graded.

The table (A2 from WIS 4-08-02) shows specification for processed granular material. Processed granular materials may include aggregates to BS 882, air-cooled blast furnace slag to BS 1047 and lightweight aggregates to BS 3797.

BEDDING AND SIDEFILL MATERIALS FOR FLEXIBLE PIPES

Bc=External pipe diameter
W=Trench width (Bc+300 min, Bc+600 max)

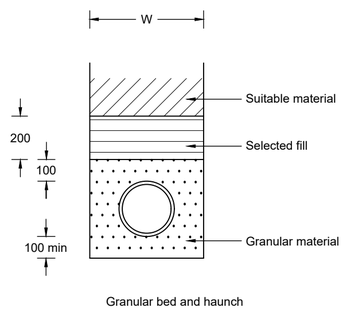
Bedding and sidefill materials shall be placed in layers not exceeding 100mm. Hand tamp the material fully at the sides of the pipe while tamping lightly over the crown.
Continue hand tamping until a finished layer of 300mm has been placed over the pipe.

Subsequent backfilling shall be deposited in layers not exceeding 225mm and fully compacted.

Selected fill should be readily compactible, and should not contain stones larger than 40mm, lumps of clay over 75mm, timber, frozen material, vegetable matter or foreign matter.

Refer to table for specification for granular material.

FLEXIBLE PIPE BEDDING NOTES



Granular bed and haunch

FLEXIBLE PIPE BEDDING - CLASS S

Notes

1. Do not scale from this drawing.
2. All drawings are to be checked by the contractor and setting out engineer and read in conjunction with one another to ensure they are mutually compatible with each other before any setting out or construction commences.
   In the event of apparent ambiguity or contradiction the engineer and/or architect shall be notified immediately. Sumner Consultancy accepts no liability in the event of not being so notified and where construction work has commenced.
3. All drainage works are to be constructed in accordance with The Welsh Ministers Standards for Sewers and Lateral Drains, Welsh Building Regulations 2010 Edition Approved Document H or current British Standards for Drainage.

ISSUED FOR PLANNING
NOT FOR CONSTRUCTION

Revisions

Rev	Date	Description

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Drawing Title: FOUL DRAINAGE CONSTRUCTION DETAILS

Scale: - | Drawn by: JRS | Date: January 2026

Drawing Number: 1018-25-30 | Revision:

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Drawing Size: A2