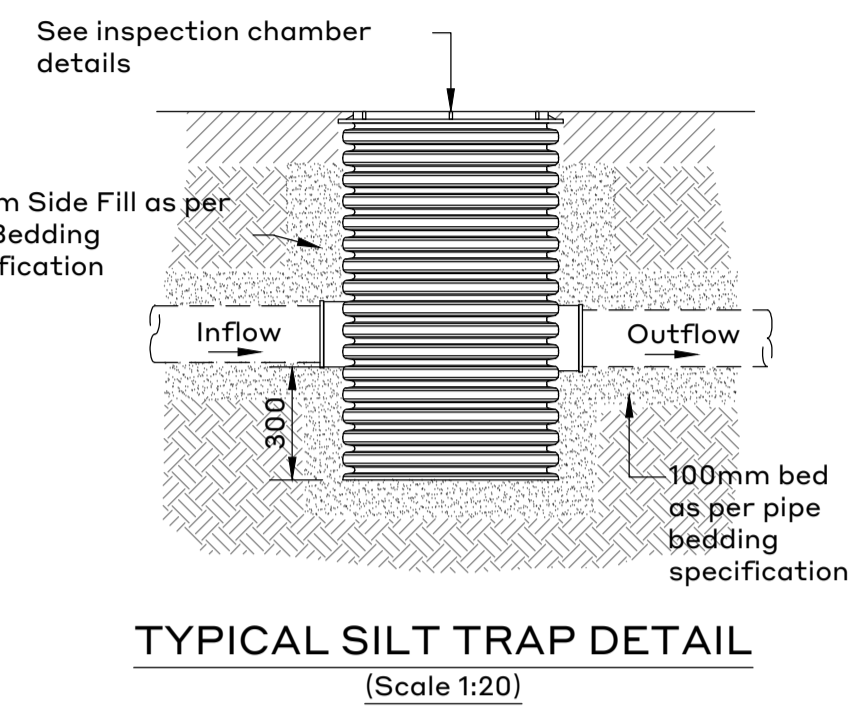
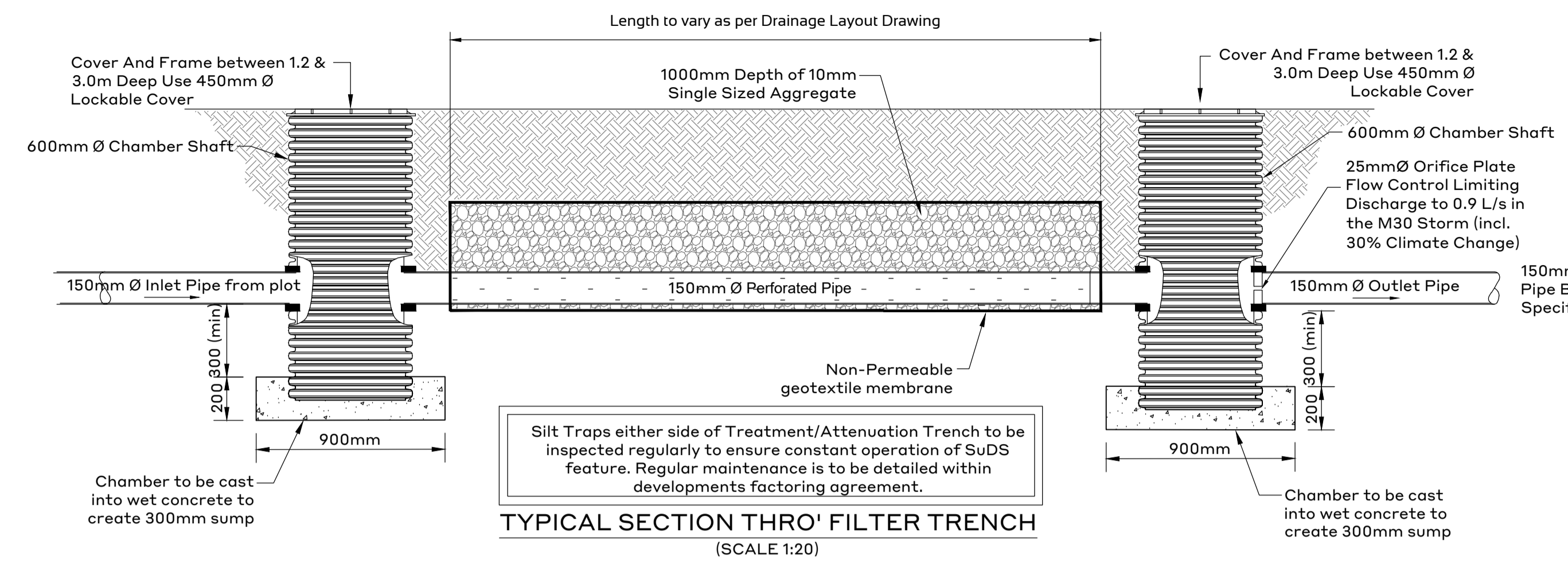


General notes:
 This drawing is to be read in conjunction with all relevant Engineers and Architects drawings.
 Refer to Architects design drawings for internal drainage runs and details.
 Drainage - all sewers to be constructed in accordance with Scottish Water's publication "Sewers for Scotland (v4.0) 2018 - A technical specification for the design and construction of sewage infrastructure"
 Sewers laid within roads should have a minimum cover of 1.5m from final road surface to pipe soffit level. Where this cannot be achieved then rigid pipes shall be protected by a full concrete surround, similarly, flexible pipes shall be protected by a concrete slab at a depth less than 1.2m.
 The Contractor is responsible for checking the line and level of all existing services prior to commencement of works. Any discrepancies from design information must be reported to the Site Manager and Site Engineer in writing.

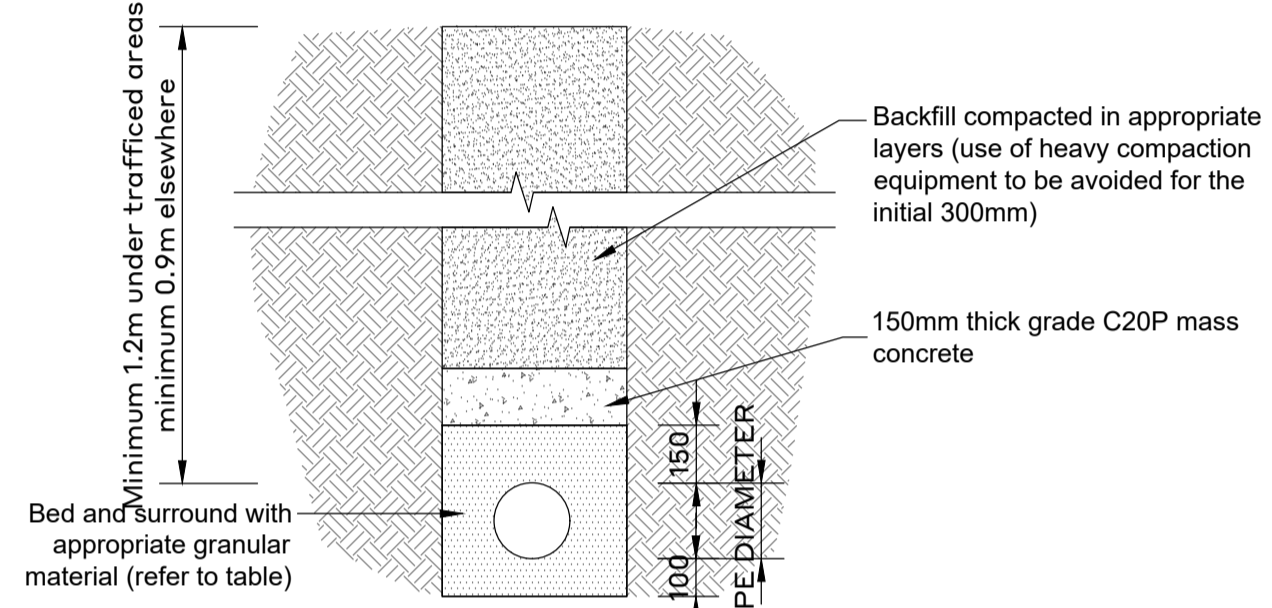


NOTE:
 All mains and service pipe installations will require a degree of over excavation. Trenches should be double width and backfilled with clean, imported, certified, inert material to a minimum of 1.3m deep and 0.8m wide.

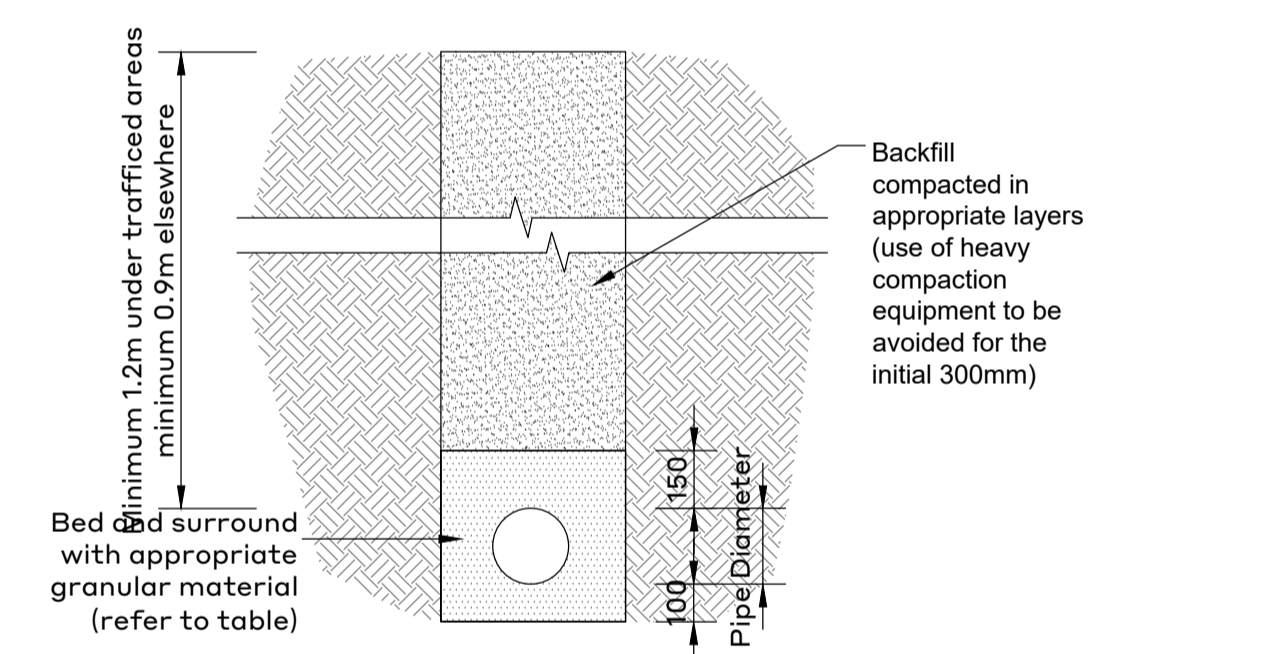
Nominal Pipe Size	Granular Material Size
150mm	10 or 14mm nominal single size or 14 to 5mm course graded
225mm and over	10, 14 OR 20mm nominal size or 14 or 20 to 5mm course graded

GRANULAR BEDDING MATERIAL TABLE

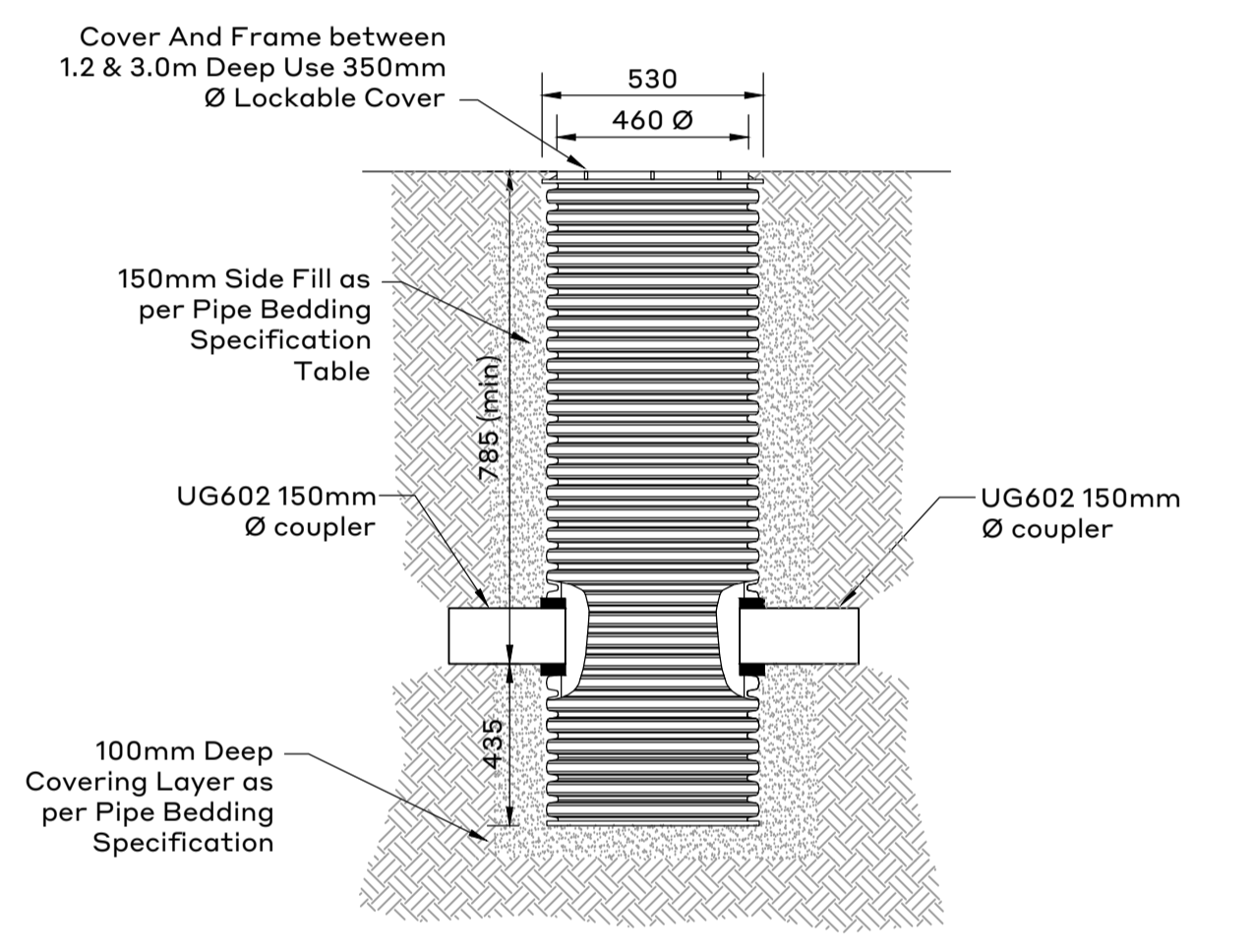
SUITABILITY OF MATERIALS
 The number of below-ground joints should be minimised, and joints welded where possible, to reduce risk of contamination entering the pipe through leaking joints. Extra care should be taken to avoid the introduction of contaminated soils or water into the pipe-work during installation.



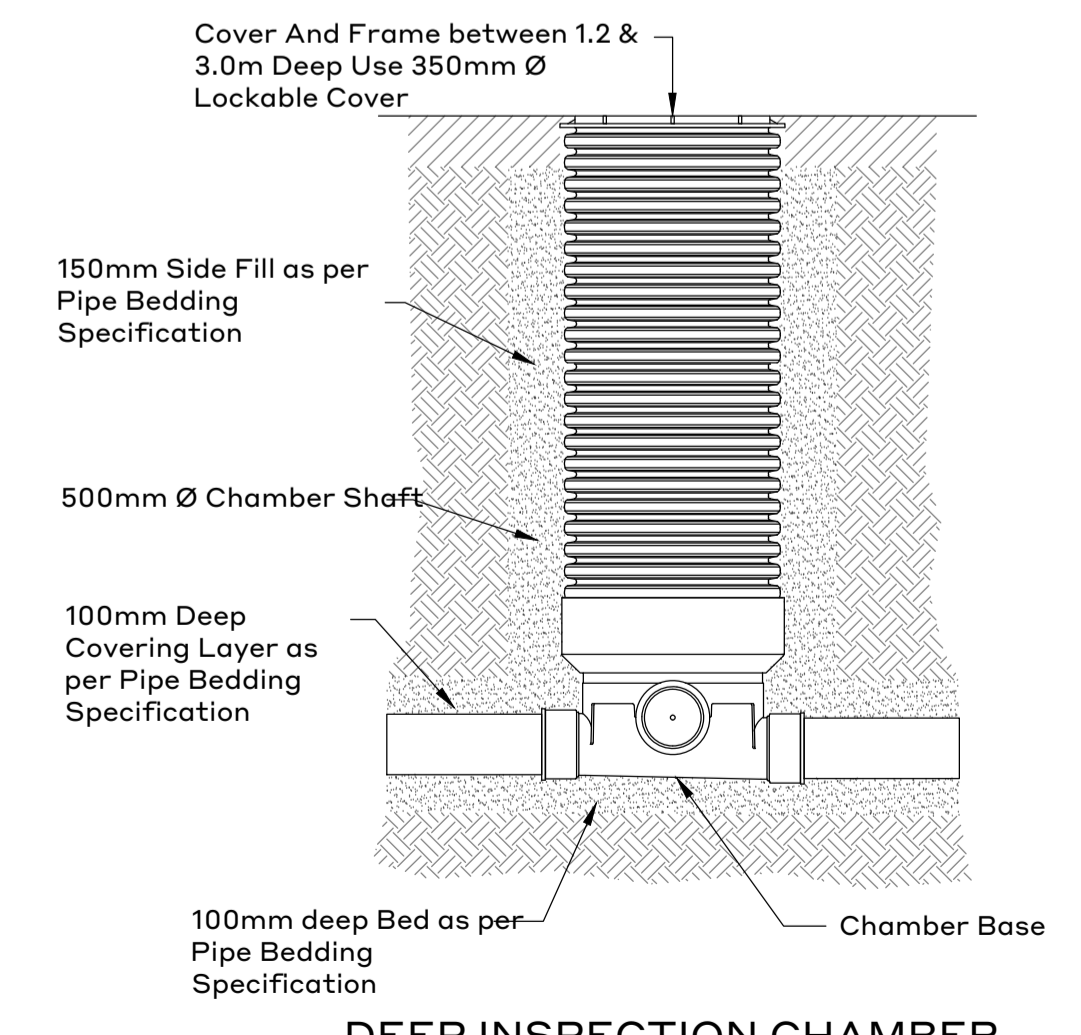
CONCRETE PROTECTION DETAIL (PVC)
 (Scale 1:20)



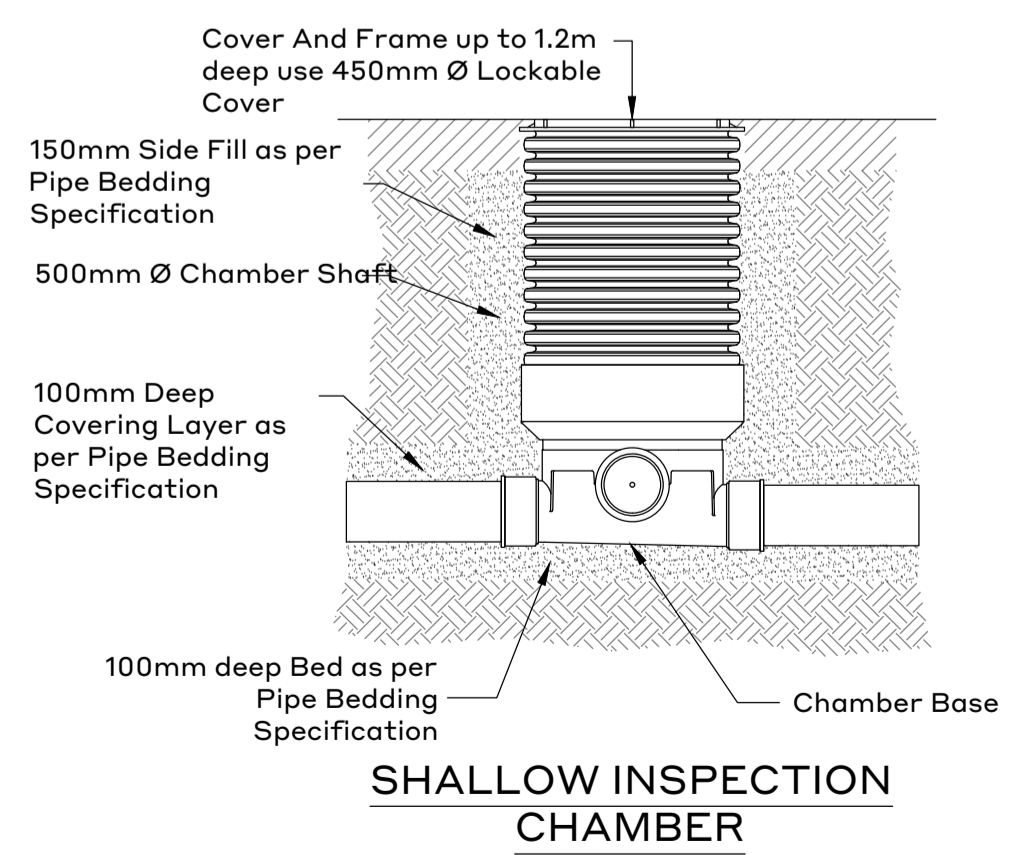
PIPE BEDDING DETAIL (PVC & VC)
 (Scale 1:20)



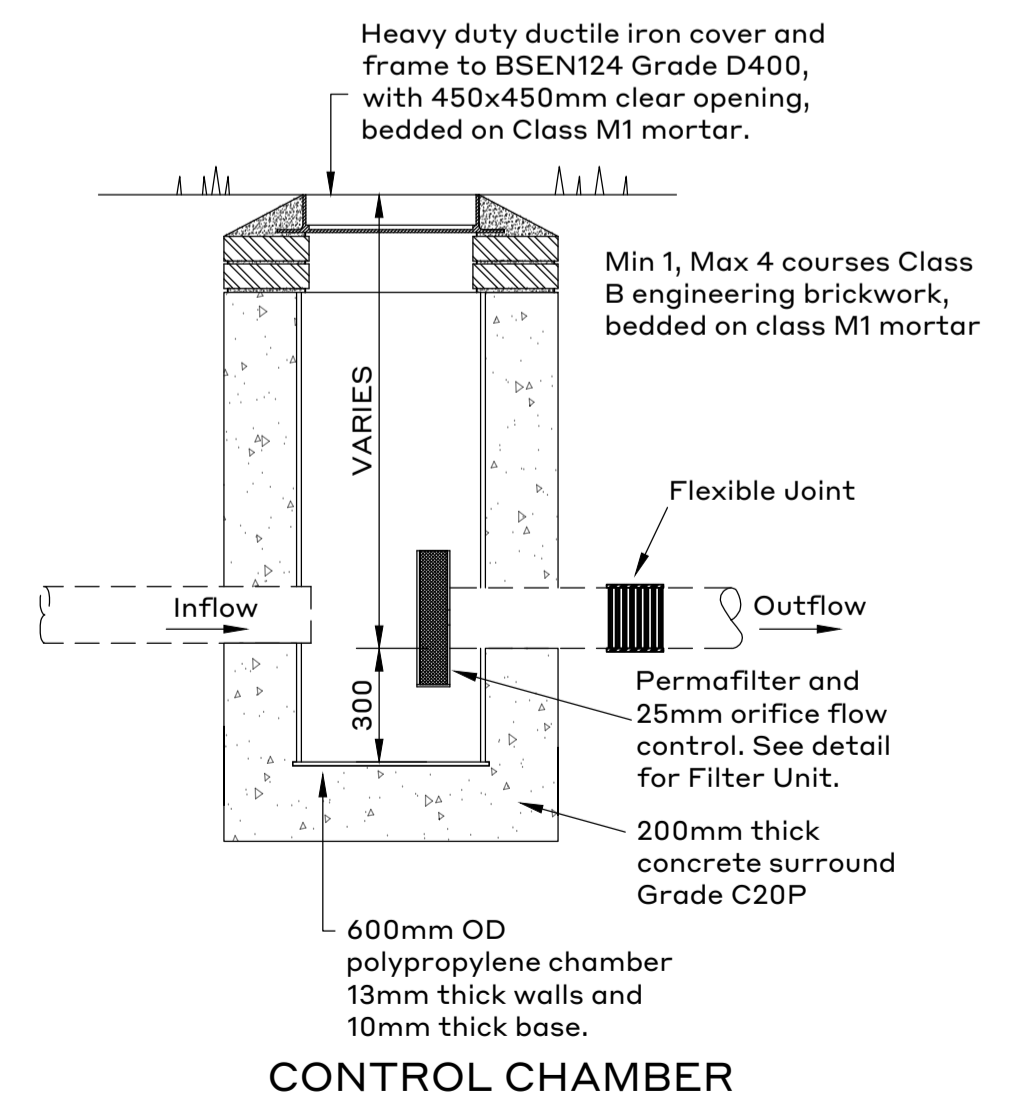
Ridgiform Separate Silt Trap/ Sampling Chamber (ST-SC)
 SCALE 1:20 (Suitable for Depth of up to 3 Meters)



DEEP INSPECTION CHAMBER
 (Scale 1:20)
 DEPTH TO INVERT 1.2 to 3.0m



SHALLOW INSPECTION CHAMBER
 (Scale 1:20)
 DEPTH TO INVERT NOT EXCEEDING 1.2m



CONTROL CHAMBER DETAIL FOR FILTER TRENCH
 (Scale 1:20)

Rev	Revision Description	Initials	Date

Cameron+Ross
 CIVIL + STRUCTURAL ENGINEERING
 Forbes House | 15 Victoria Street | Aberdeen | AB10 1XB
 CameronRoss.co.uk
 Aberdeen 01224 642 400 | Edinburgh 0131 374 7960 | Inverness 01463 570 100

Client:
Mr David Edgar

Project:
Replacement Dwelling Greenways Kirkton of Durris

Drawing Title:
Drainage Construction Details

Status:
Planning

Scale: As Shown @ A1 Date: 16/11/2023
 By: GCO Checked: GGC Approved: GGC

Dwg. No.
230907-000-CAM-DR-C-460 Rev. -