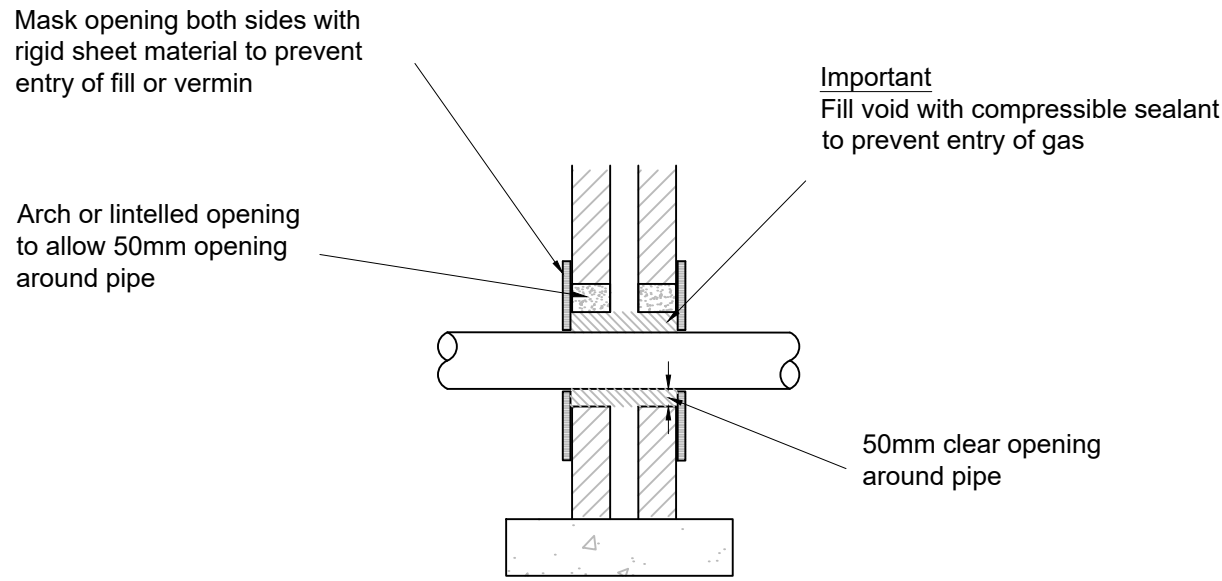
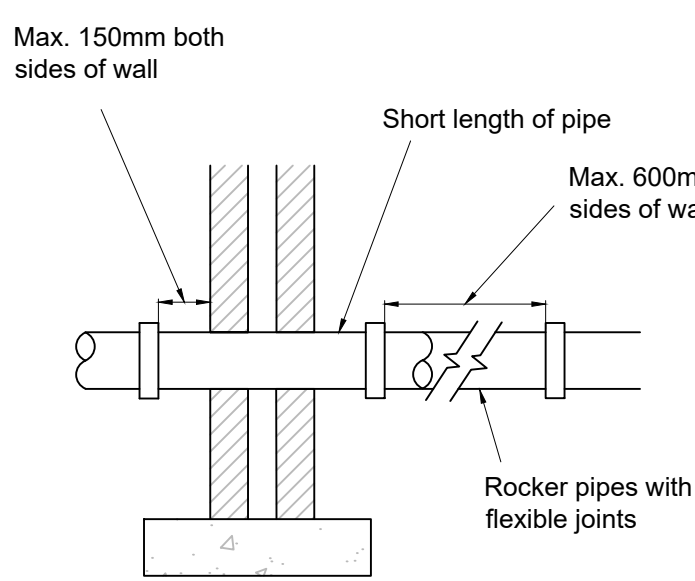
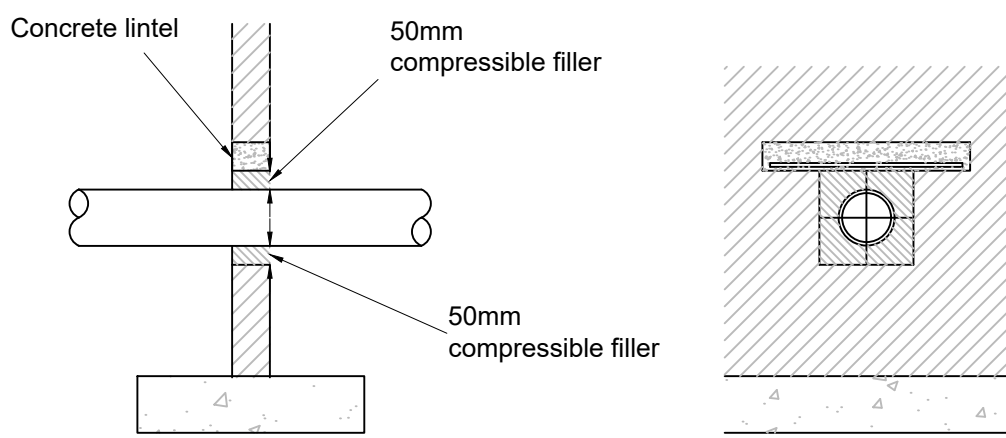




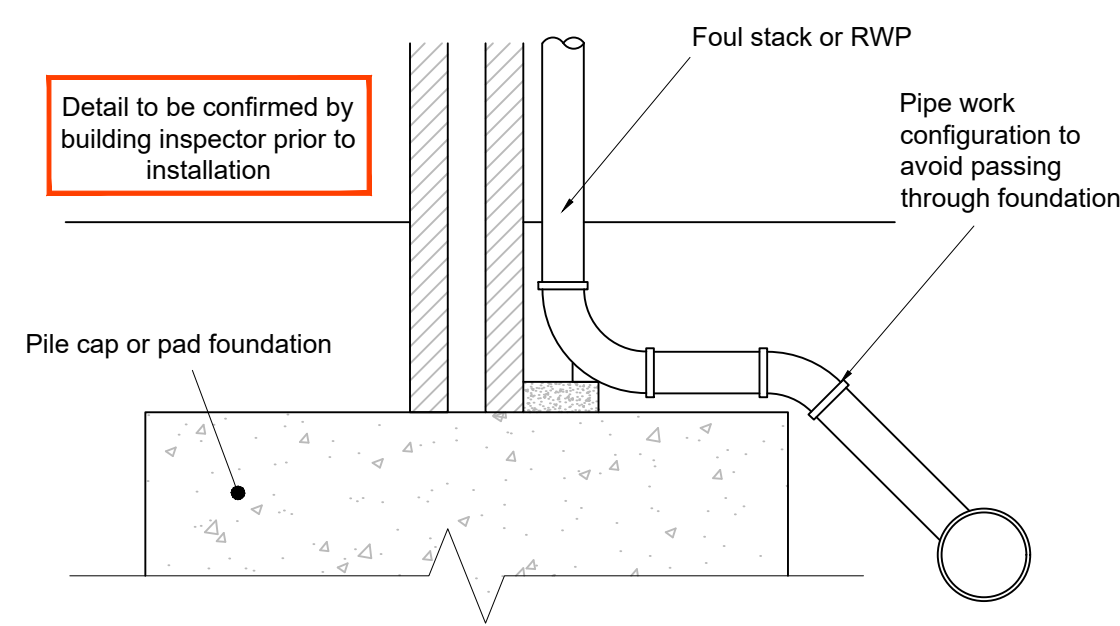
Pipe Penetrating Wall
Detail 1



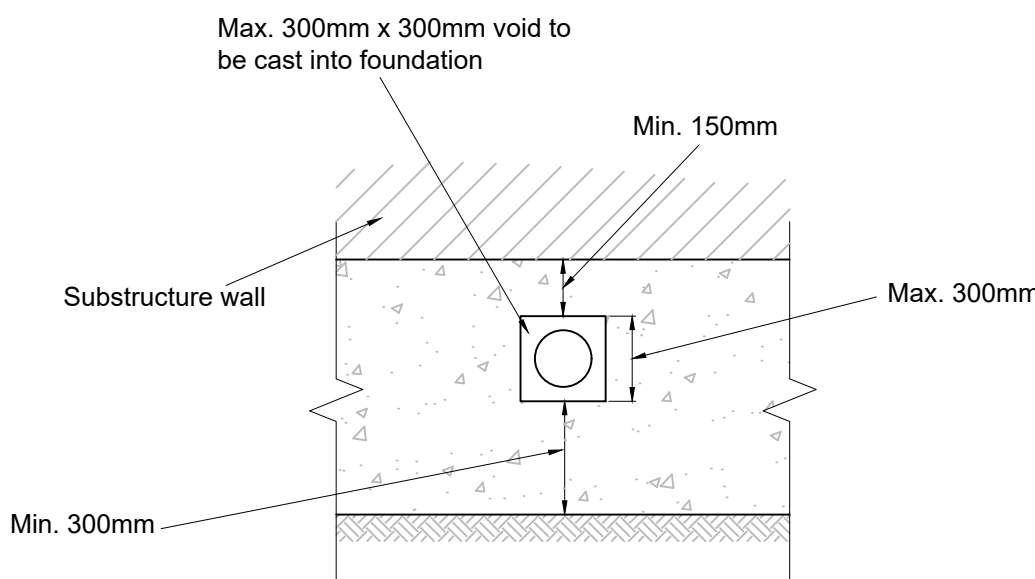
Pipe Penetrating Wall
Detail 2



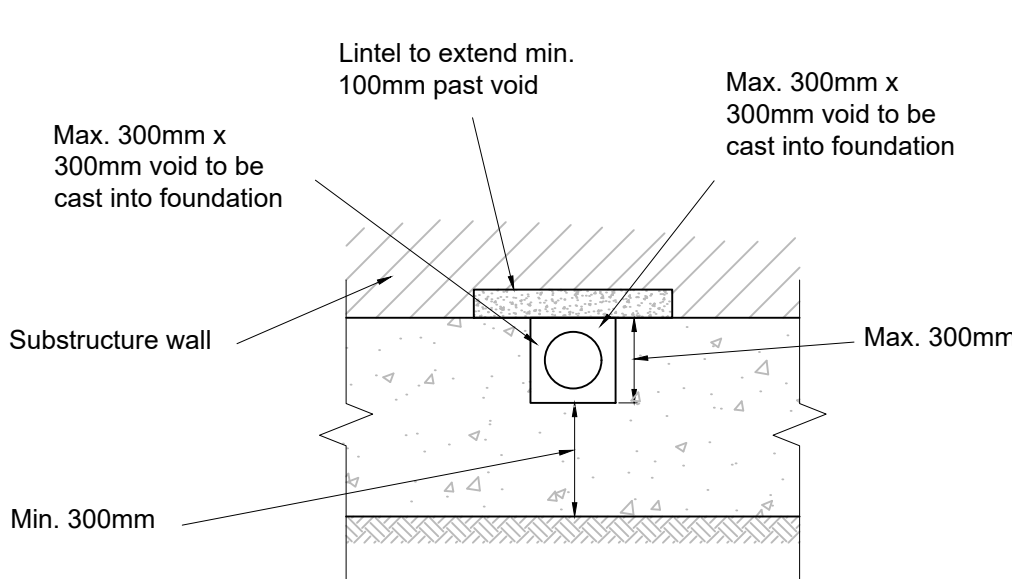
Protection of Pipes Penetrating Single Leaf
Boundary Walls



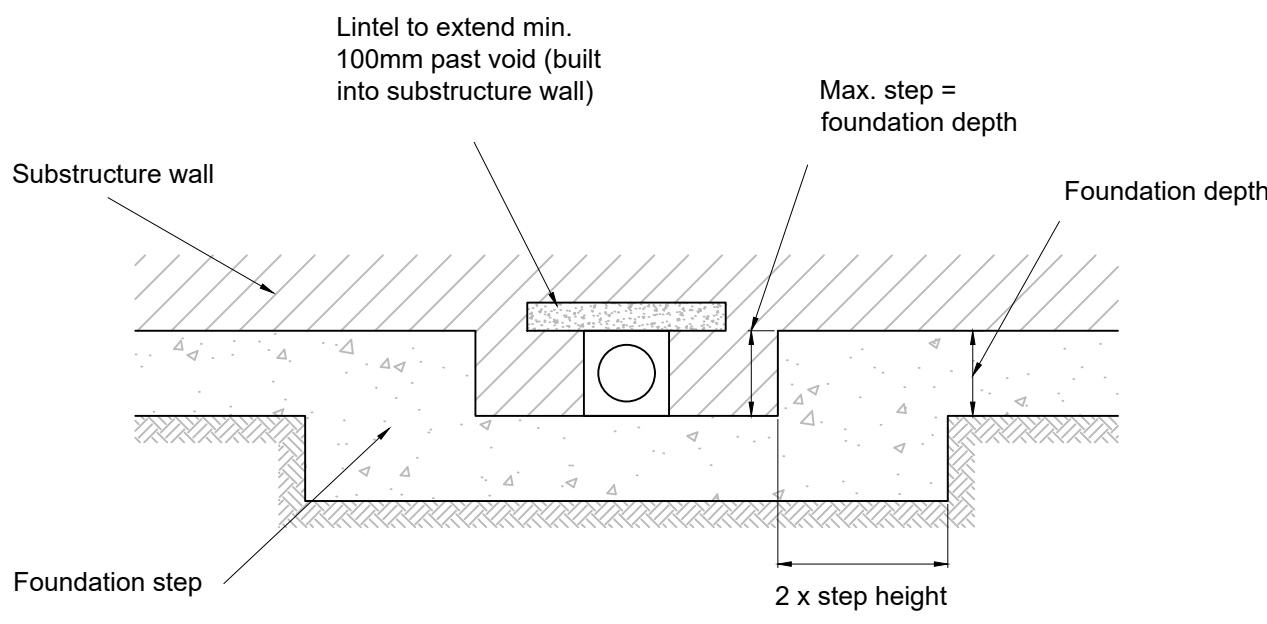
Foul Stack or RWP Connecting Over Foundation



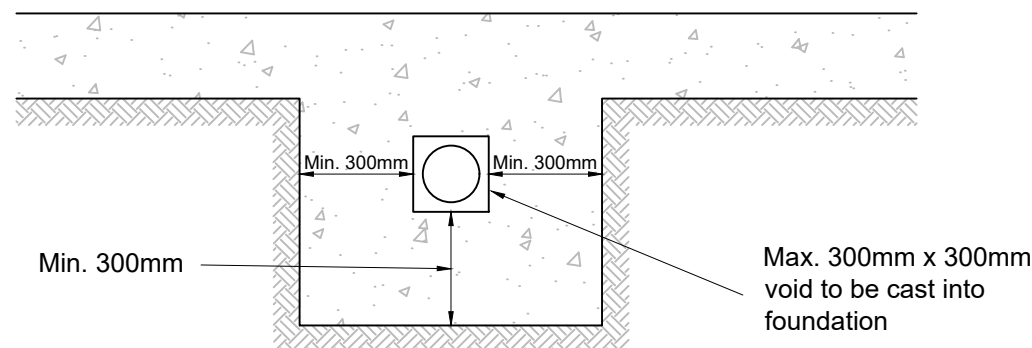
Pipe Passing Through Foundation
Detail 1



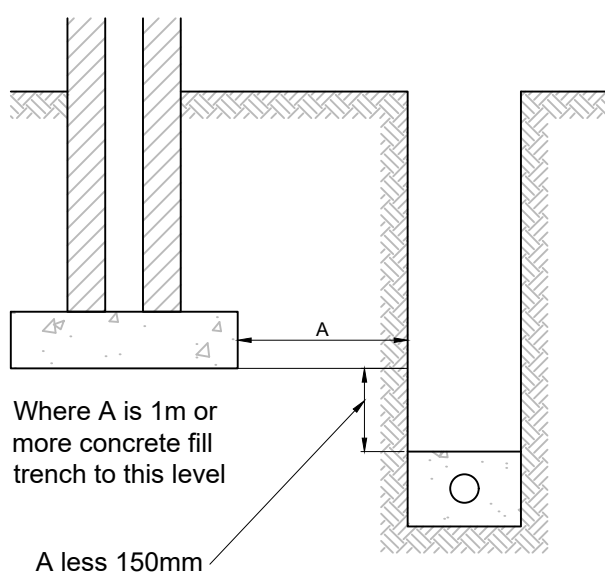
Pipe Passing Through Foundation
Detail 2



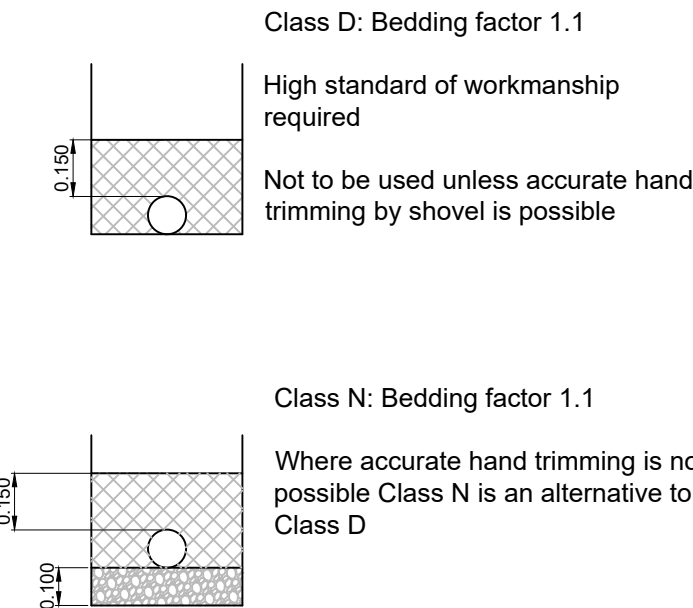
Pipes Passing Below or Through Shallow
Foundation (Standard Foundation stepped
down)



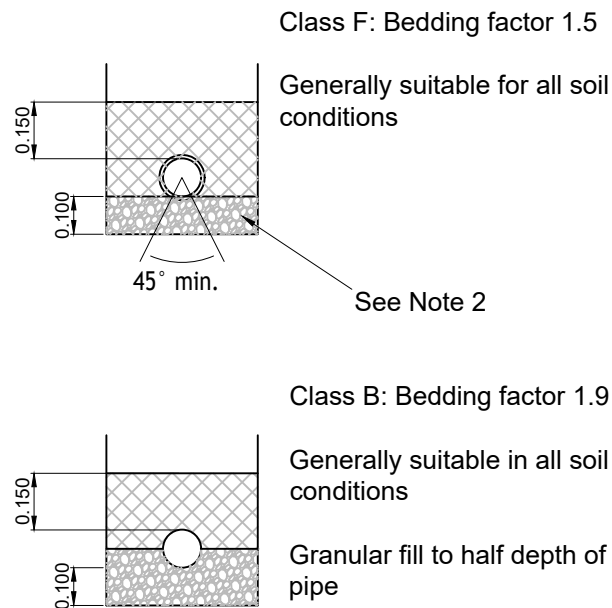
Pipes Passing Below or Through Shallow
Foundation (Foundation Deepened Locally)



Building Regulations Part 'H' Private Pipe Runs
Near Buildings
Detail 1



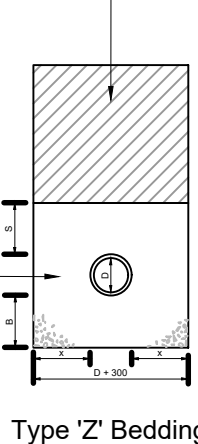
Building Regulations Part 'H' Private Pipe Runs
Near Buildings
Detail 2



Flexible Pipes

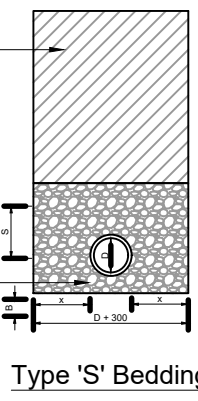
Open ground:
Selected as-dug backfill comprising readily compatible material free from vegetable matter and construction debris.

Paved Areas (Footways / Driveways etc):
Type 1 granular material in accordance with clause 803 of the specification for highway works compacted in layers not exceeding 300mm thickness.

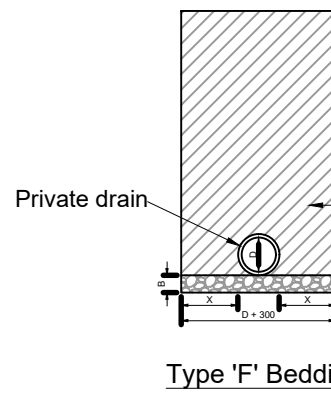


Type 'Z' Bedding
B= 150mm minimum
S= 150mm minimum above crown

Sizing of Pipe Bedding		
Nominal Bore Of Pipe	Single Size (mm)	Graded (mm)
100 - 125	10	-
150 - 200	10 or 14	14 to 5
225 - 300	10, 14, or 20	14 to 5 or 20 to 5



Type 'S' Bedding
B= 50mm minimum
S= 300mm minimum above crown



Pipe Bedding

Notes: Pipe Bedding / Trenches

- Trench excavation and pipe bedding shall comply with the requirements of sewers for adoption and the civil engineering specification for the water industry.
- Prior to any excavation the position of all underground services shall be established by utility company plans and marked onsite using detection equipment and hand dug trial pits.
- Trenches shall be excavated and supported as and when necessary.
- To ensure uniform support along the run all hard or soft spots, that may cause differential settlement, shall be removed and replaced with tamped selected as-dug backfill or type 1 granular material.
- The finished trench base shall be true to line and gradient.
- Trench bases shall be free of standing water and have minimal disturbance by foot traffic to reduce damage to the formation.
- Immediately following the excavation of the trench, the pipes shall be laid and jointed on the pipe bed. Pipes shall be laid so that each one is in contact with the bed throughout the length of its barrel.
- Trenches shall be backfilled as soon as possible to prevent injury by falls, where trenches are left open they shall be appropriately secured by barriers to prevent access into the excavation. Backfilling shall be undertaken in such manner to prevent uneven loading or damage to the pipe. Filling material shall be deposited in layers not exceeding 225 unconsolidated thickness, and then compacted to form a stable backfill. Where excavations have been supported and the supports are to be removed, these where practicable, shall be withdrawn progressively as backfilling proceeds. The progressive withdrawal shall be done in such a manner as to minimise the danger of collapse and all voids formed behind the supports shall be carefully filled and compacted to prevent depressions forming in the final surface.
- Recommended trench widths:
100mm pipe - 0.45m width
150mm pipe - 0.60m width
225mm pipe - 0.70m width
300mm pipe - 0.80m width
- Lever type chain cutters should be used on 100 & 150mm pipes with 225mm cut by either a double screw type chain cutter or masonry saw. Cut ends shall be trimmed with a pipe trimmer / emery stone.

General Notes:
1. All dimensions and details are to be checked prior to the commencement of any work or preparation of other drawings.
2. This drawing should not be scaled, refer to figured dimensions only.
3. Any drawing or design discrepancies identified should be reported to Civil Studio immediately.
4. This drawing is to be read in conjunction with all architectural and / or other relevant drawings and details.
5. The Contractor is required to verify the location and depth of all Statutory Undertakers' Apparatus prior to commencement of work and to take any precautions necessary when working in the vicinity of apparatus.
6. In the event of any contradiction between this drawing and the specification, the Contractor shall seek clarification from Civil Studio before proceeding.

THESE DETAILS ARE GENERIC ONLY AND MAY NOT BE APPLICABLE TO THE CURRENT FOUNDATION DESIGN. SHOULD THERE BE ANY DOUBT IN IMPLEMENTING THE INFORMATION SHOWN IN THESE DETAILS THE PLEASE CONTACT THE ENGINEER.

DRAINAGE SHOULD BE INSTALLED TO AVOID PASSING UNDER OR THROUGH FOUNDATIONS IF POSSIBLE.

FOUNDATIONS SHOWN IN DETAILS ARE INDICATIVE ONLY, FOR EXACT FOUNDATION DETAILS REFER TO STRUCTURAL FOUNDATION PLANS

B	Initial Construction Issue	27.08.25
A	Initial Preliminary Issue	04.04.25
REV:	DESCRIPTION:	DATE:

STATUS: CONSTRUCTION



CLIENT:
CAPITAL HAIR & BEAUTY LTD

SITE:
**UNIT A, CONSORT WAY,
BURGESS HILL, RH15 9TJ**

TITLE:
**PRIVATE DRAINAGE
CONSTRUCTION DETAILS
SHEET 1**

SCALE AT A1: NTS	DATE: Apr 2025	DRAWN: JT	CHECKED: JP
PROJECT NO: 24.064	DRAWING NO: 41.01	REVISION: B	