
MOB Scope of Works & General information

Address: Upavon Court,
Penhill Drive, Swindon. SN2
5HD

Asset Ref:

Matthew Phillips

1 Site Information and Terms of Reference

Wales and West utilities have a number of conditions and mains replacement driven MOB schemes that are to be completed in 2020.

Works are to replace existing Gas risers and laterals on the multiple occupancy building as indicated. Full scope of works in section 1.2

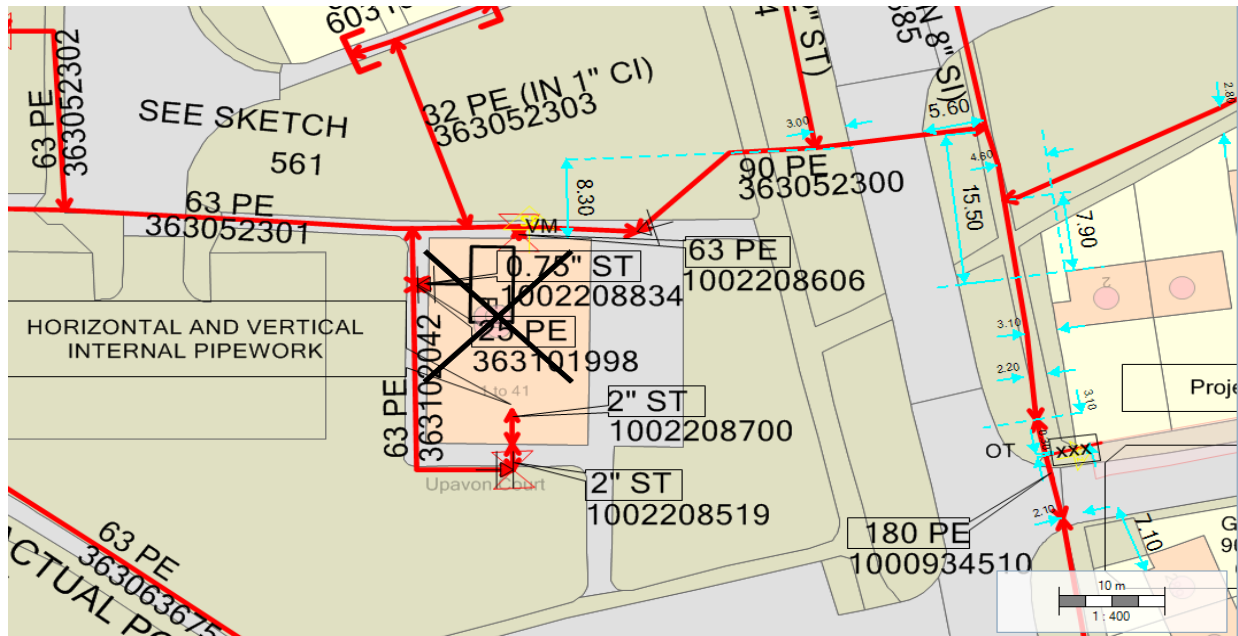


Figure 1 – Gas Map View of the Site

1.1 SITE LOCATIONS



Figure 2 – Satellite view of Site Location

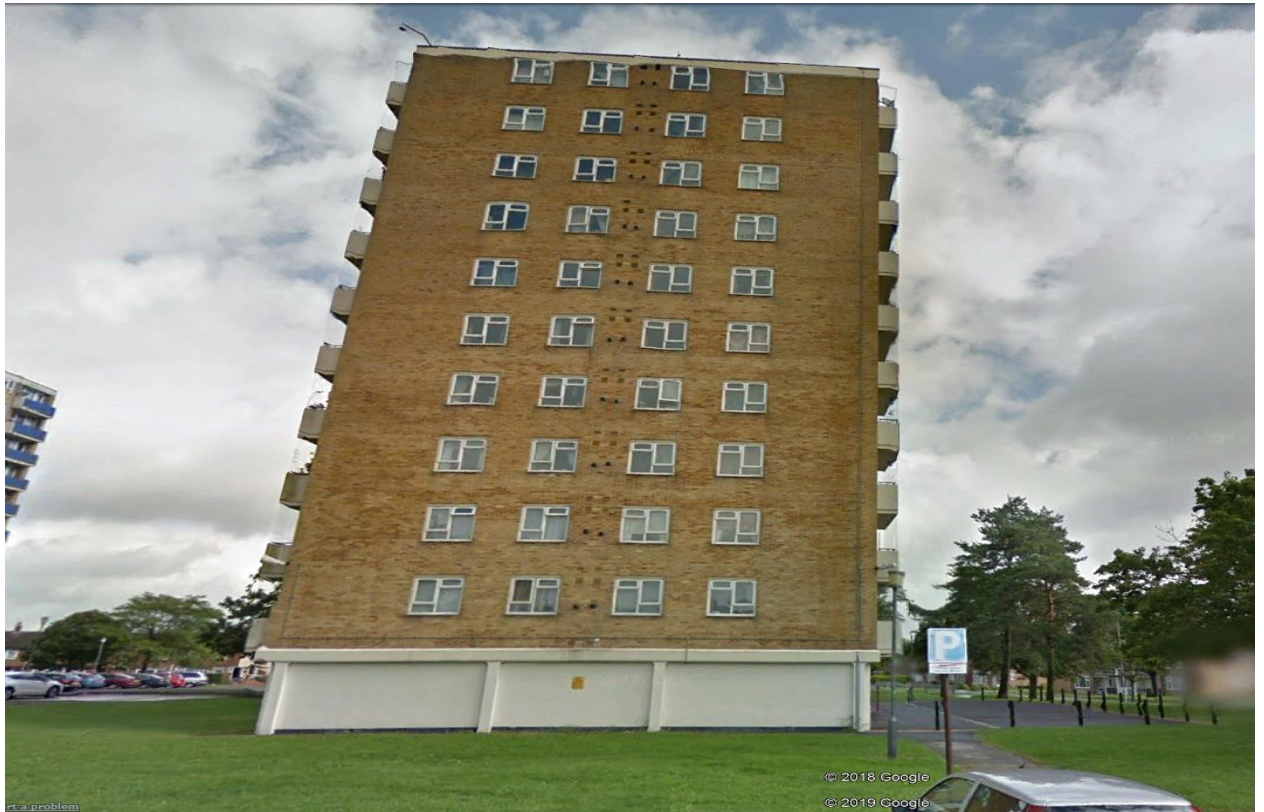
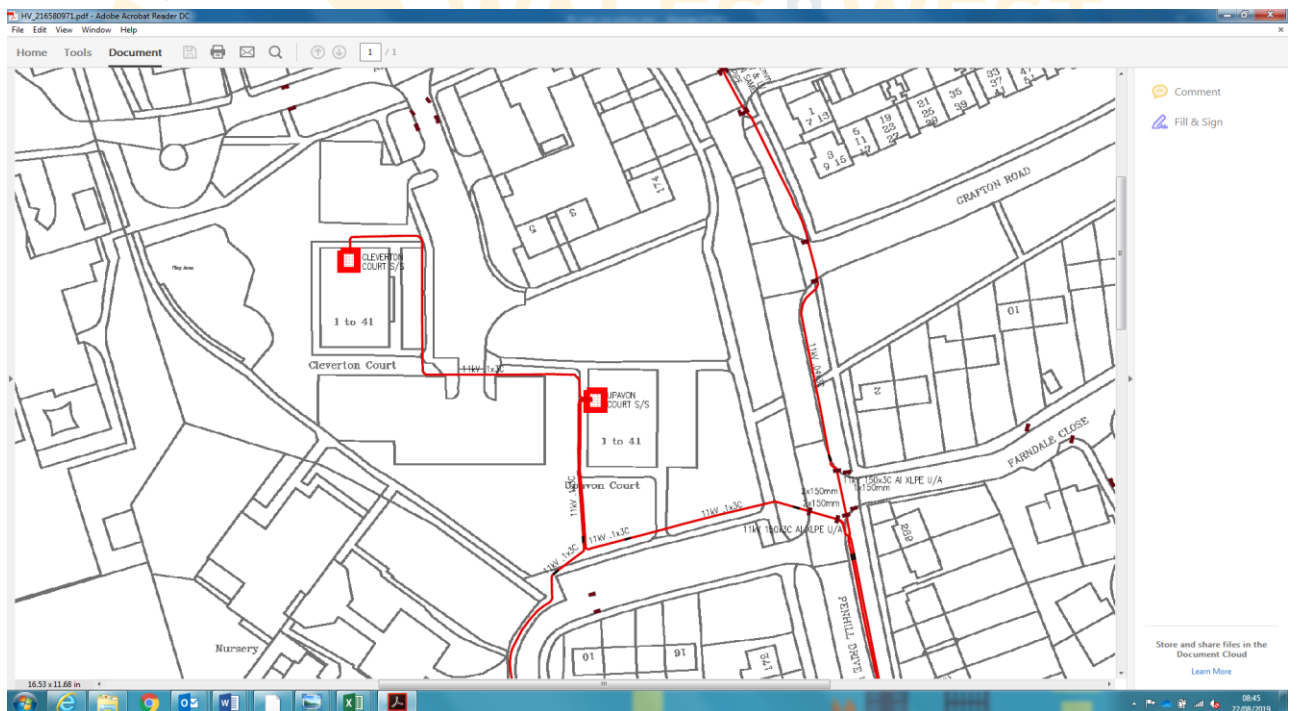
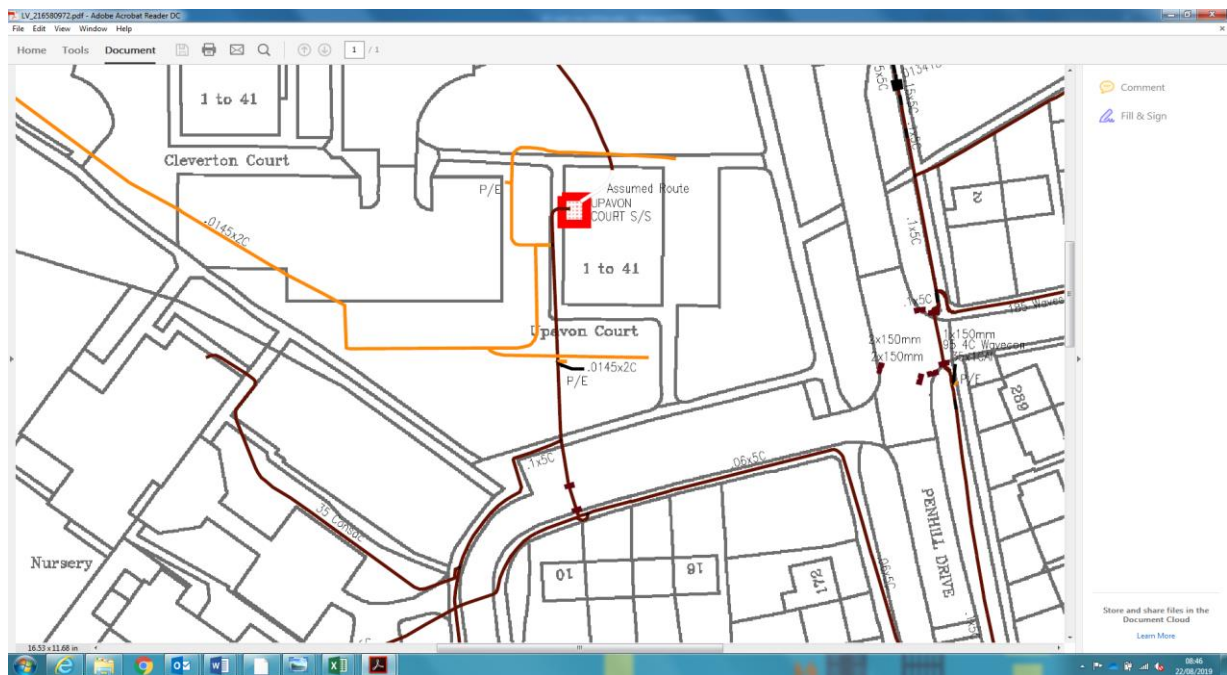


Figure 3 – Google Street View





1.2 PROPOSED WORKLOAD

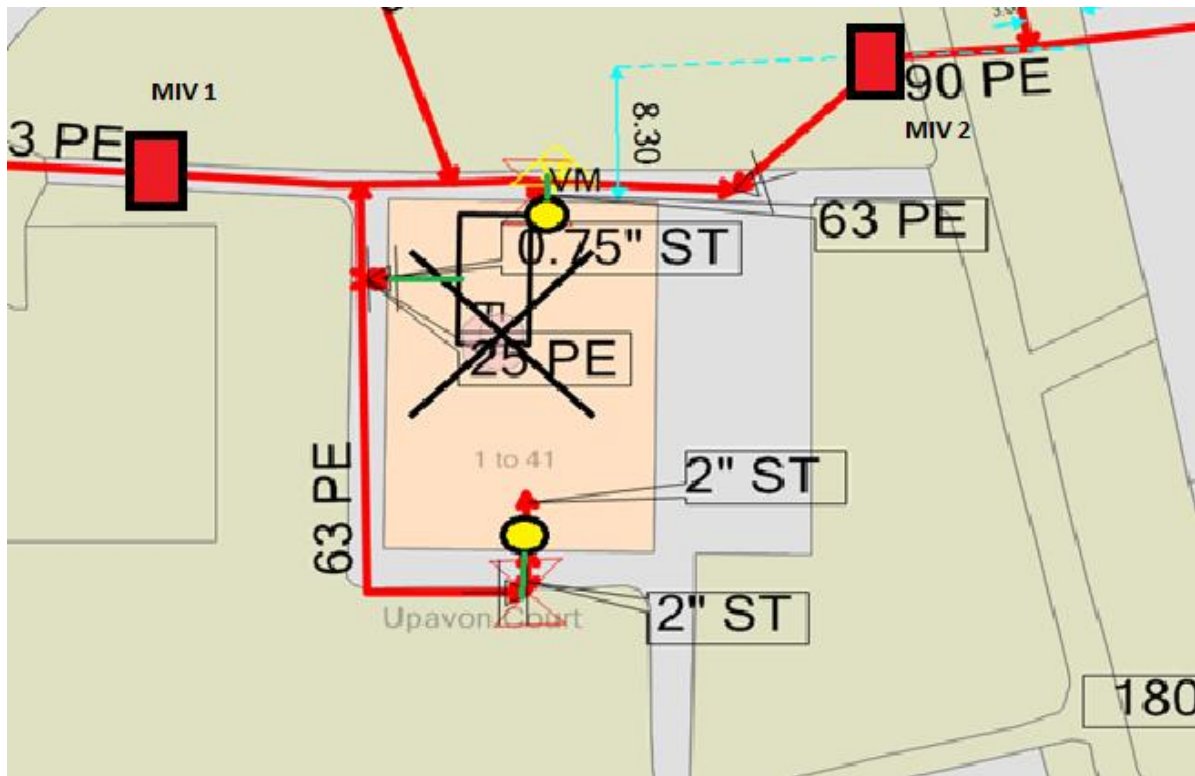


Figure 5 – Detailed scope of works

Install 2 x 63mm WASK Risers Systems in accordance with the Scope of Works – highlighted in yellow.

Install 1 x 32mm PE single service.

Lay approximately 10mtrs of 63mm PE mains – highlighted in green.

Installation of 2Nr MIV's

Allow for installing steel impact protection to the riser located on the ground floor – this required due to the location of the building and the structure of the building.

Locate and isolate existing risers

Locate and abandon existing below ground mains

Please refer to the appendix for more design illustrations of the works required.

1.3 SITE ESTABLISHMENT

To be negotiated when given authorisation from Western Gas Alliance project manager.

Appendix A

Existing Pipework

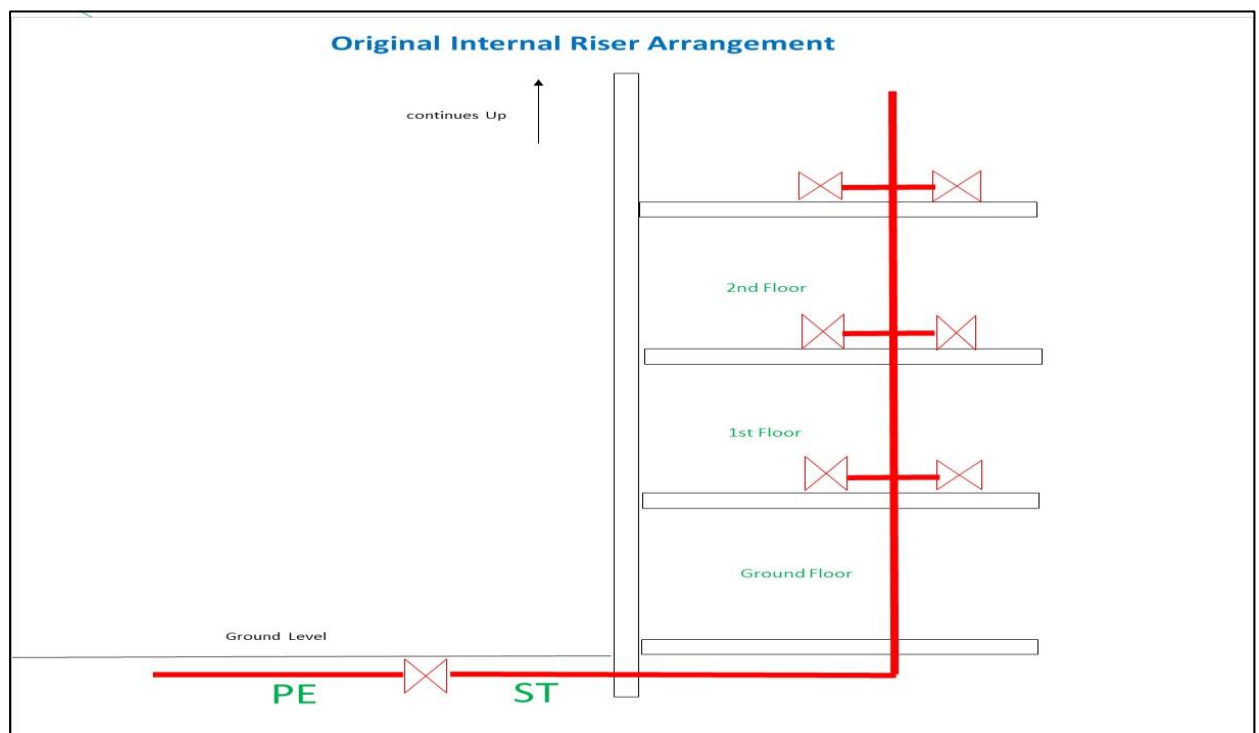
Pipework Summary

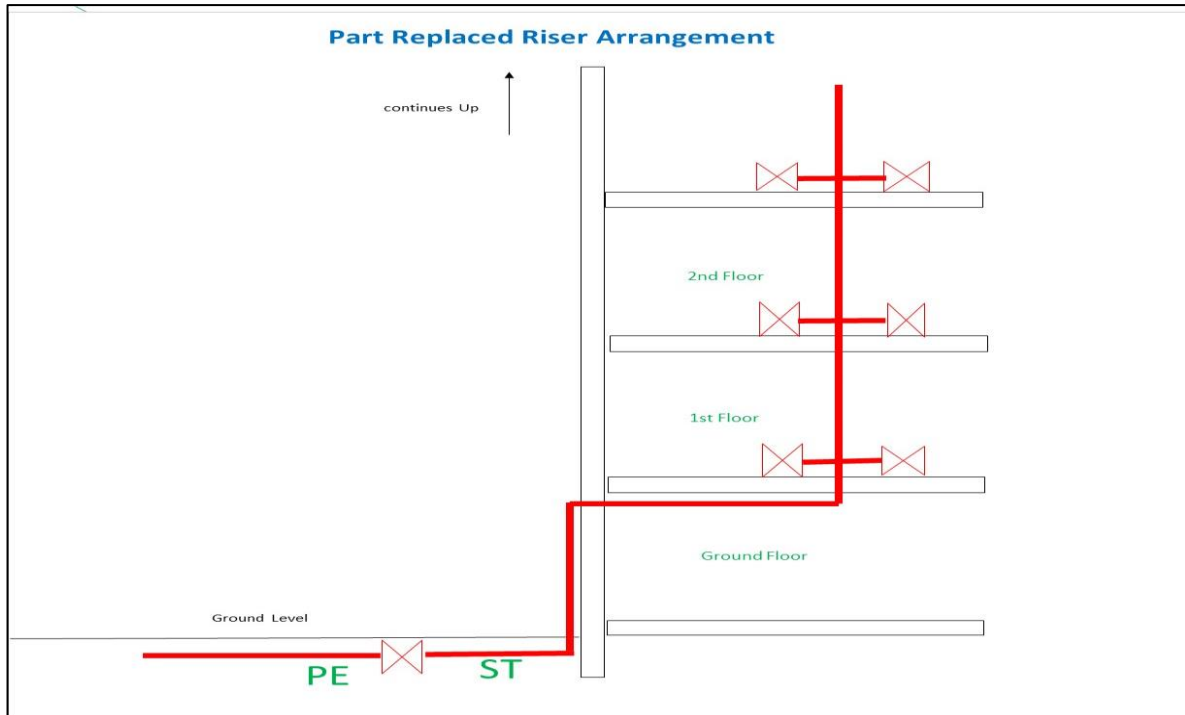
The pipework within this building is confirmed as:-

- 2 x 2" diameter ST internal risers at live (LI) status.
- 40 x 1" diameter ST services fed from the risers.
- 1 x 50mm diameter ST external part riser (replacement section).
- 1 x separate PE service to the single flat on the ground floor.

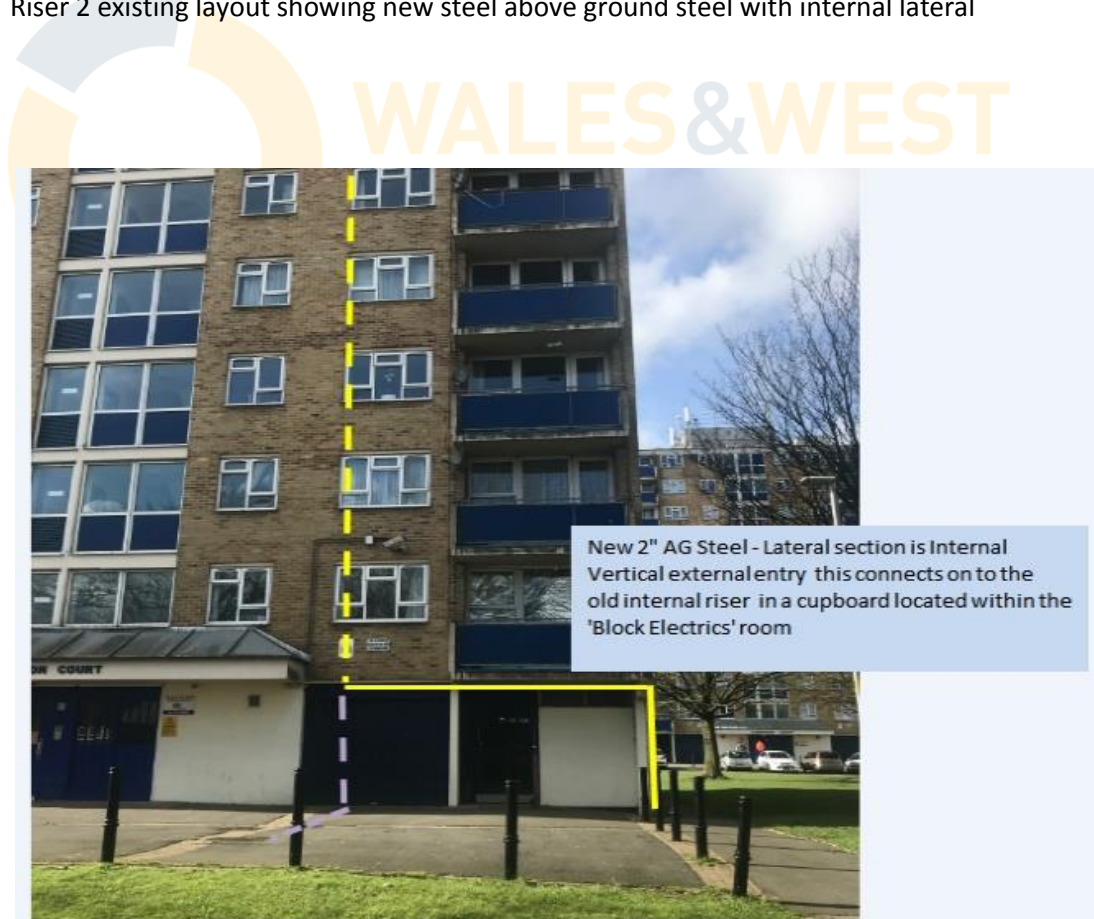
Due to previous leakage the two existing risers have slightly different layouts as

Per the diagrams below:-





Riser 2 existing layout showing new steel above ground steel with internal lateral

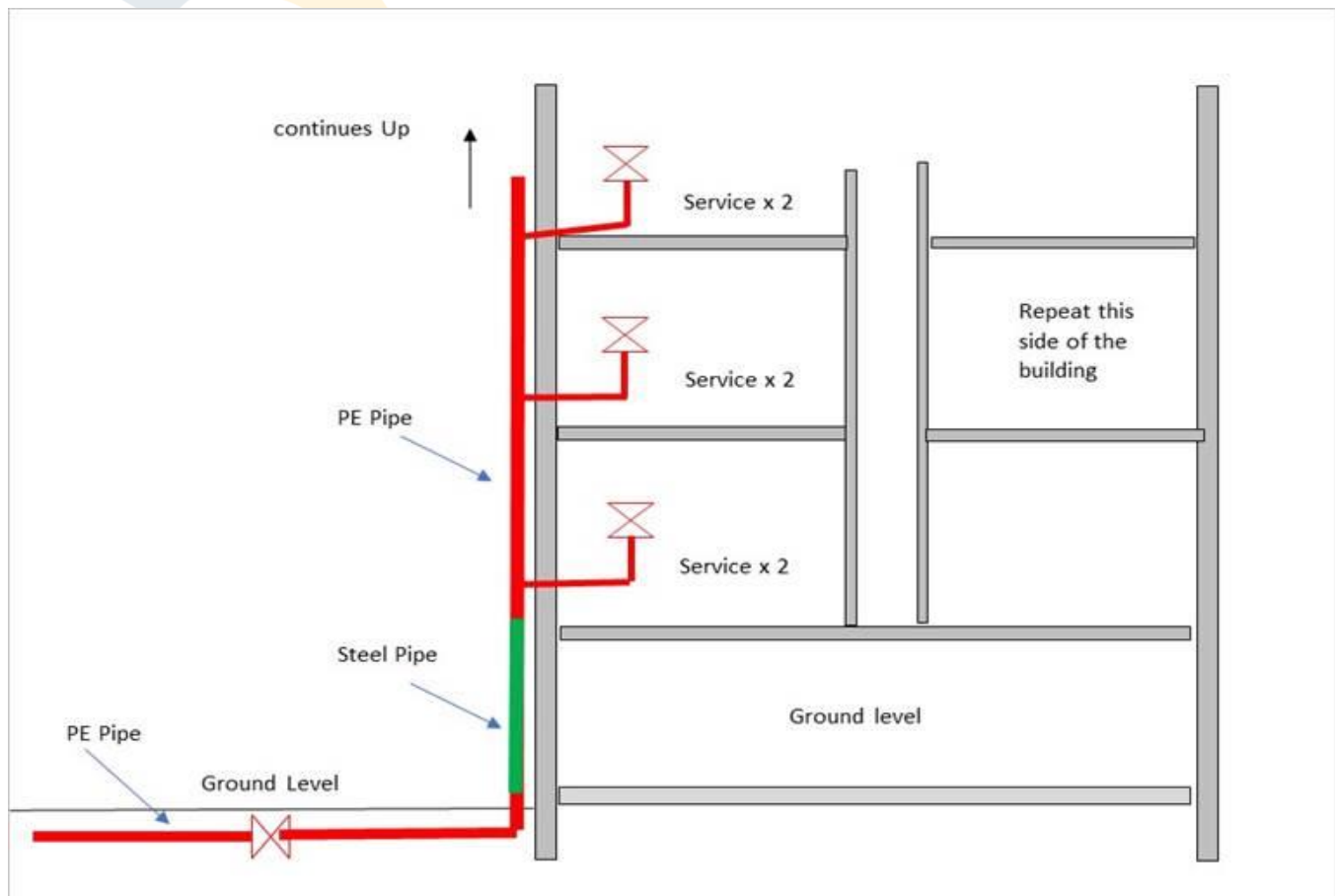


Proposed Replacement Works

The Existing steel risers will need to be cut and capped on the ground floor as per the diagram below:-



50mm Steel should be used above ground from the ground floor to the first floor including an impact protection barrier to protect the pipe – this is due to the location of the building and the structure of the building.



For reference this has already been completed on the neighbouring block called Millerton court (SN3 2NG) as can be seen in the pictures below:-



This will then need to connect onto a new 63mm PE Wask riser system from the first floor to the 11th Floor.

Again this mirrors the neighbouring block as per the photos below: -

