The following reference material is only applicable to the following SBU’s

* Gas & Water
* Power Transmission & Distribution
* Living Places
* Rail

All other SBU’s must refer to [HSF-RM-0015f](https://home360.balfourbeatty.com/ghoreferencecentre/Group%20BMS/_layouts/DocIdRedir.aspx?ID=2KHUWT73P6SE-1572-8588)

The minimum extent of exclusion zones vary according to the type of underground utility and the Asset Owner. The Asset Owner must be contacted to confirm safety clearances and any additional requirements. The table below provides guidance on the minimum distances around underground utilities which must not be encroached by any plant or equipment.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Exclusion zones** | | | | |
| **Type of utility** | https://priorityplant.com/sites/default/files/Hydraulic-Breakers-and-Soil%20Picks/MBW%20SP125%20Soil%20Pick%20Sonic%20Air%20Lance%20125CFM.jpg  Air Lance & Vacuum excavator | C:\Users\simon.cooling\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\C2B7EI9U\shovel[1].png  Hand Dig | C:\Users\simon.cooling\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\ZG9TKYZJ\B87C_B67C_B47_Paving_breaker_Jack_hammer[1].jpgPowered hand tool | C:\Users\simon.cooling\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\7SVNO1JQ\Mini_Hydraulic_Backhoe_Excavator[1].jpgMechanical Excavation | http://image.ec21.com/image/cnsdhd/oimg_GC03382544_CA03383725/Rotary_Piling_Rig.jpg  Piling |
| Telecom cable | 0.0m | 0.0m if Safe digging techniques applied, using insulated tools and defined in a safe method of work, otherwise 0.5m | 0.5m depth | 0.5m depth | 1m |
| Low pressure water | 0.5m depth | 0.5m depth | 1m |
| Low Voltage Electric Cables | 0.5m | 0.5m | 1m |
| High Voltage Electric Cables | 0.5m | 0.5m | 5m |
| Low-Medium Pressure Gas < 2bar | 0.5m | 0.5m | 1m |
| Intermediate Pressure Gas 2-7bar | 3m\* | 3m\* | 15m\* |
| High Pressure Gas > 7 bar | 3m\* | 3m\* | 15m\* |
| High Pressure clean/waste water | 0.5m | 0.5m | 1m |
| Heating Networks | 1m | 1m | 1m |
| High Pressure fuel lines | 10m | 10m | 30m |
| Fuel storage tanks | 10m | 10m | 30m |

\* Subject to accurate trace by the Asset Owner