

New Sites Delivery

Key Points For Efficient Call Off And
Prevent Delays To Client Connections

July 2026



openreach

Duct Installation Call Off

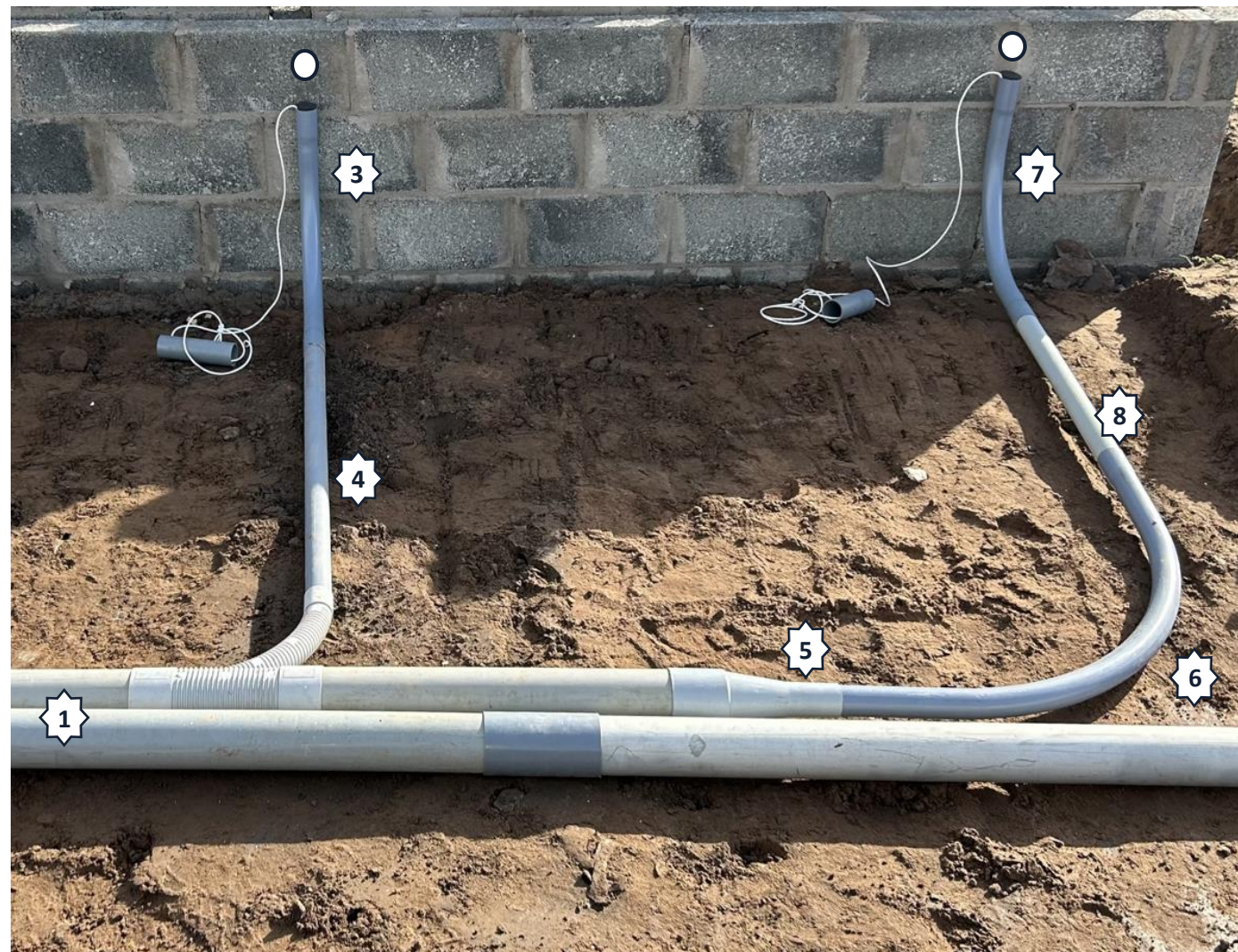
1. Install main and rider/service 90mm duct from chamber.
2. Install 90mm/50mm swept tee on rider/service duct at desired position to serve plot.
3. Install 50mm 350mm radius 90 degree duct bend (house bend) at the plot directly under the fibre ingress point and touch tight to the wall.
4. Connect 50mm duct lengths to the house bend as required and build back towards the rider duct and connect to the 90mm/50mm swept tee. Duct lengths can be cut as required with 45 degree 50mm bends added if required. Once connected to the 90mm/50mm swept tee the house bend MUST remain positioned directly under the fibre ingress point and touch tight to the wall.

Repeat steps 1-4 until last plot in the run is reached.

5. To serve the final plot in a run install a 90mm/50mm reducer to the end of the 90mm rider/service duct.
6. Connect 50mm 622mm radius 90 degree bend to the 90mm/50mm reducer. This must be connected with the flared end facing the plot. If required sections of 50mm duct can be used to extend the bend away from the reducer but the flared end must always face the plot.
7. Repeat step 3.
8. Repeat step 4.

When backfilling, the house bend MUST remain directly under the ingress and all space alongside ducts is to be filled with granular material to a minimum thickness of 75mm. Detectable marker tape is to be installed 75mm above all installed ducts.

Once installed the 50mm house bend must be cut/extended to 50mm above finished ground level, then roped back to the chamber with a minimum of 3m of rope at either end and tied off, and a 50mm duct plug (50mm black foam disk) inserted to prevent debris entering the duct



Ducts to be installed at the following depths:
 Carriageway – Minimum 450mm coverage.
 Surfaced footway/service strip – Minimum 250mm coverage.
 Soft verge/unmade surface – Minimum 450mm coverage.

What does good look like?

1

Correctly installed 50mm house bend touching the wall directly under the ingress. Duct installed to ensure proper coverage relevant to location i.e. footway 250mm soft 450mm carriageway 450mm.



2

50mm duct and house bend installed avoiding an obstruction with 45 degree 50mm bend added to ensure house bend is placed in the correct position touching the wall and directly under the ingress.



3

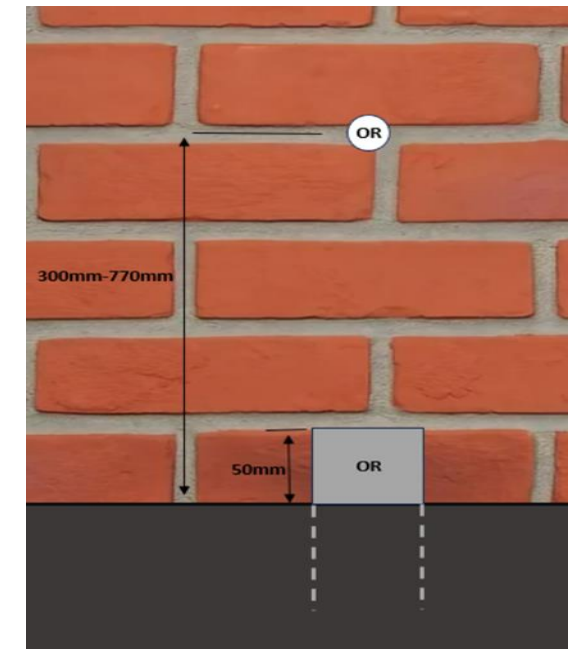
Example of installed duct and internal fibre. Duct directly under the ingress, roped to the chamber and plug fitted to avoid debris entering the duct. Plot can be called off and connection can be completed without any further work required from site teams.



4

Diagram detailing positioning of duct in relation to ingress and finished ground level.

Not meeting this required quality standard can result in delay in call off for plot to be connected, additional work and cost for site teams to remedy, additional cost to site if they require to provide alternative internet solution if clients are moved in prior to connection being completed.



20mm electrical conduit to be installed through cavity wall at a position 300mm – 770mm above FGL. Upward slope required to prevent ingress of rainwater.

Openreach internal fibre cable to be routed from the internal termination point to the external location via recommended copex/conduit. 0.5m coil to be left at green connectorized internal end and 3m coil at external point where Openreach CSP to be fitted.

External capping 25 and connector bend 4 will be installed by Openreach as required.

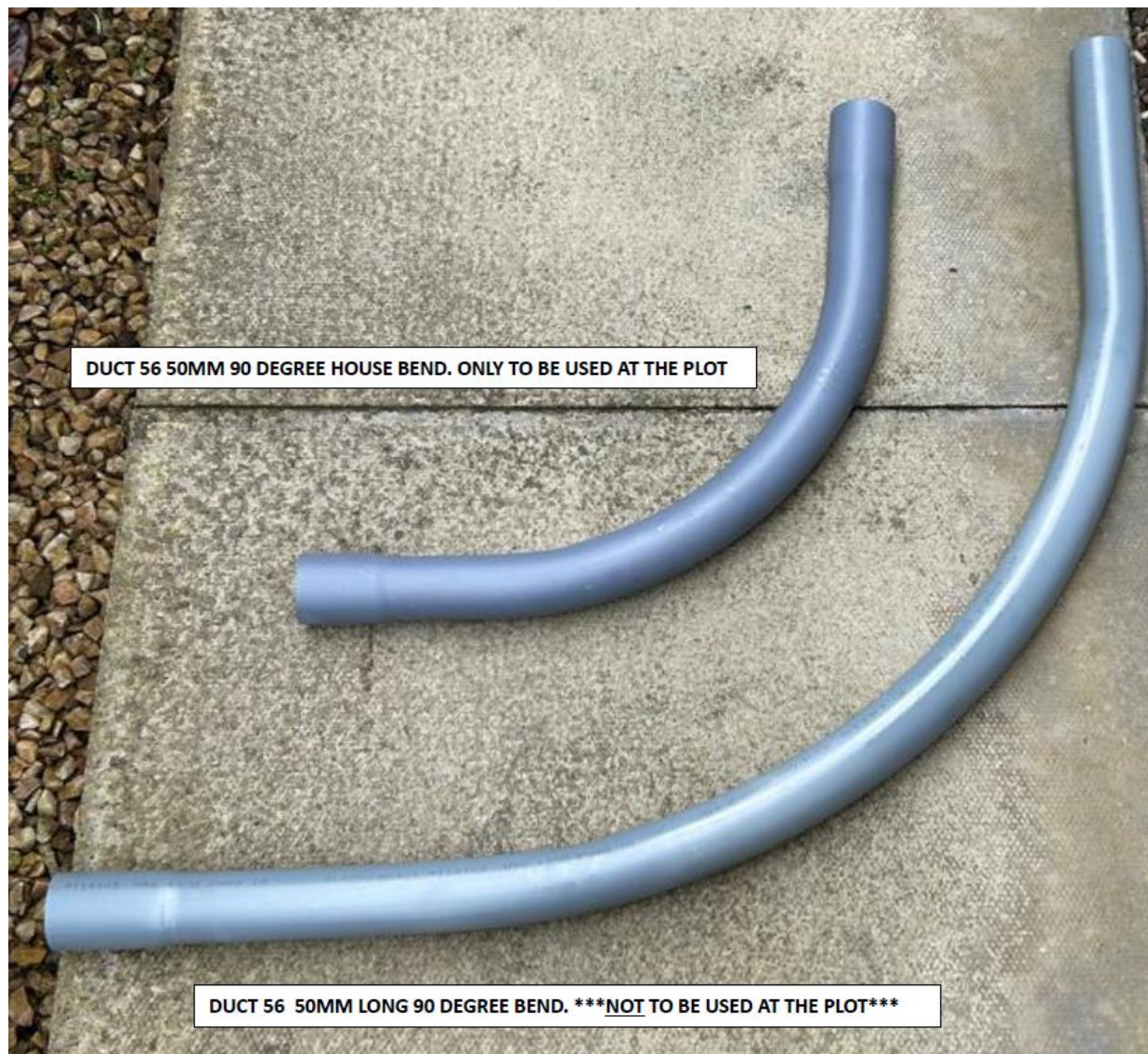
Grey D56 50mm to be cut 50mm above FGL. Duct to be sealed using plug duct 1A (50mm sponge) to prevent ingress of foreign matter and debris.

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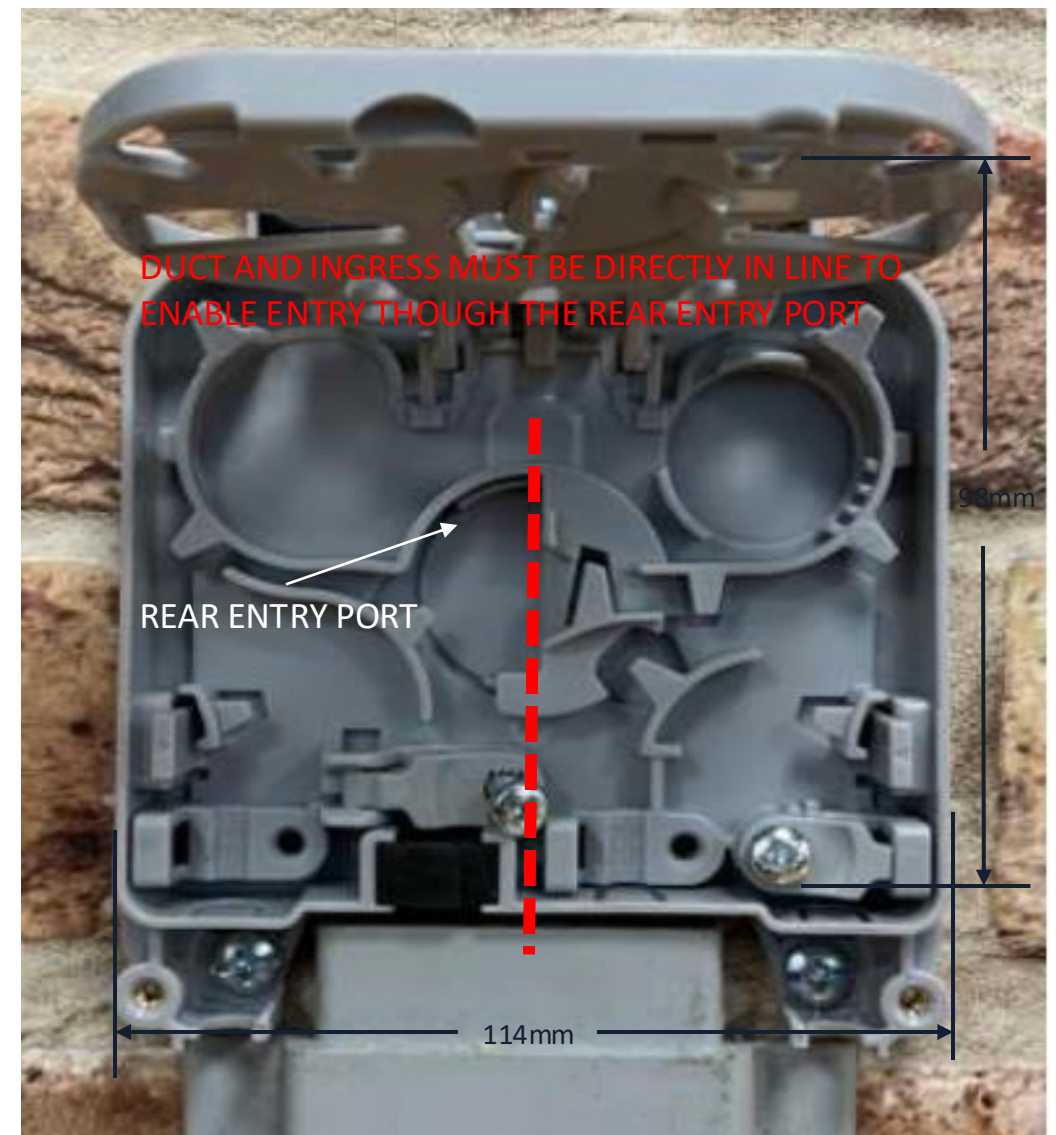
250mm – 450mm

Openreach duct from footway chamber/rider duct to be completed with pre-formed 90-degree 50mm 350mm radius bend presented as shown to the outside wall of the house with a minimum coverage of 250mm in a footpath and 450mm in soft surface. Duct to be installed directly under ingress point.

For wall construction and foundation depth details please refer to Structural Engineers Information.



90 degree house bend is the **ONLY** bend to be used beneath the fibre ingress. As shown above it is a short sharp 90 degree bend with flared ends to allow 50mm duct to be added if required.



New mini CSP (Customer Splice Point). Has a smaller footprint than current model and as such it is critical the 90 degree 50mm house bend is positioned **DIRECTLY** beneath the ingress to ensure proper installation.

Images below show examples of what will not be accepted. Ducts not correctly aligned to the fibre ingress, incorrect bend used, incorrect depth of duct, ducts pushed over to touch the wall, etc

