

ASP General Information

Service Installation & Compliance

Alert Number: GI11_23

29 August 2023

Subject: Underground Service Connection Requirements

Private Service Termination Pits

While the Service and Installation Rules of New South Wales identifies the use of private pits as a suitable connection point, it must be advised that this is not an approved connection point for an underground service on Ausgrid's distribution network. Relevant Ausgrid Network Standards such as NS127 - Low Voltage Joints and Terminations and NS110 - Design and construction Standard for Underground Residential Subdivisions provide detail on approved connection method's, including drawings and approved materials for connections made to Ausgrid's underground distribution network.

Clause 45.0 of NS127 states that only approved materials and equipment may be used in the construction of infrastructure which ultimately forms part of Ausgrid's electrical network.

These standards do not identify private pits as an approved connection point and submersible connectors are not an approved material for use on Ausgrid's underground distribution network.

The installation of a private pit as a connection point for an underground service, will be subject to a defect notice from the publication date of this General Information Notice onward.



Use of Corrugated Conduit for Underground Services

Ausgrid's Service and Installation team would like to clarify where the use of corrugated conduit is permitted for underground service installations.

The Service and Installation Rules of New South Wales states that underground service cables must be installed in heavy duty UPVC conduit as specified in AS/NZS 3000 for Category A system enclosures, or as specified by the electricity distributor. UPVC conduit is made from unplasticized polyvinyl chloride, making the conduit of the rigid type.

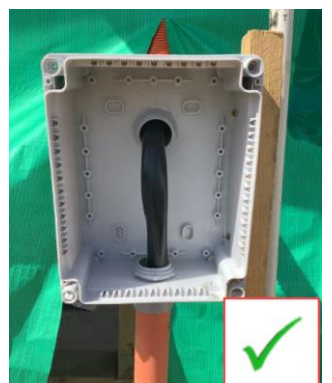
Unless site specific written approval for the use of a draw-in box has been provided by Ausgrid's Service and Installation Compliance team (refer to GI24_22), the underground service must be installed in rigid (UPVC) heavy duty conduit for its entire length.



If the use of a draw-in box has been approved by Ausgrid's Service and Installation Compliance team, only then may a length of heavy duty flexible conduit up to 1.2 metres in length be used from the draw-in box, to allow the cable to enter the cavity and main switchboard.

A private pillar may be required if the above conditions cannot be met.

The use of corrugated conduit for the installation an underground service, other than the approved method in the above noted circumstance, will be subject to a defect notice from the publication date of this General Information Notice onward.



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