

# Key information for developers and builders



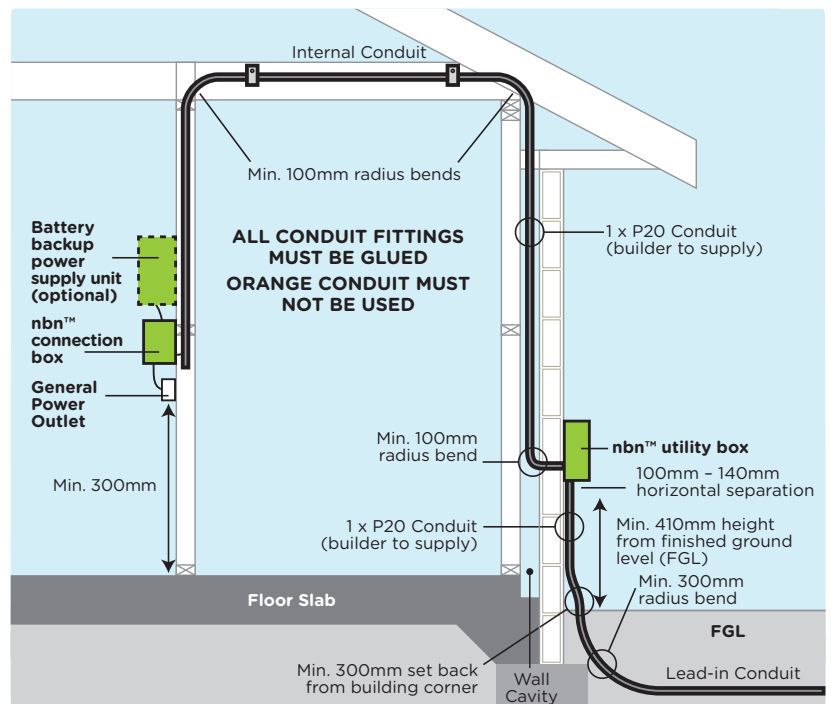
Australia's broadband network



## Fibre to the Premises (FTTP)

### Supply internal and external conduit paths:

- Use rigid white nominal P20 telecommunications conduits (23mm Internal Diameter) in the trench (connecting to the service drop conduit) and within the house. Glue all joints using solvent cement
- Ensure the conduits run as straight as possible
- Install drawstrings in both conduits
- Fix all conduits securely using conduit saddles or similar
- Provide a power point (GPO) within 1500mm of the nbn™ connection box location
- Each bend radius of the street conduit must be no less than 300mm
- Each bend radius of the internal conduit must be no less than 100mm
- Use no more than 3 x 90° (max) bends between draw points



Refer to the diagram above for the Internal P23 and Lead-in Conduit configurations

### Minimum nbn™ utility box separations:

Minimum 250mm from services including:

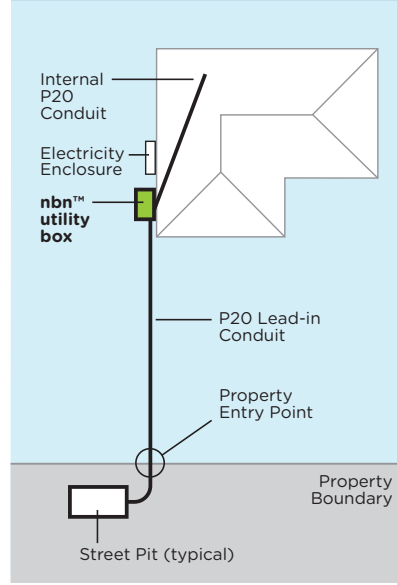
- Electricity, gas\* or water meter enclosures
- Water taps or downpipes

Minimum 1.5m side clearance from gas cylinders\*

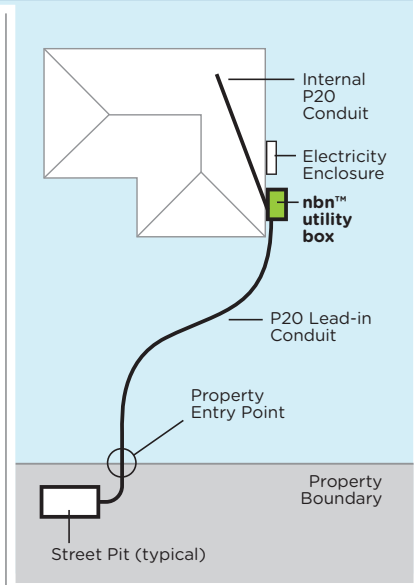
\*Check with your local Authorities for their separations

### nbn to supply:

- The P20 service drop conduit from pit to 1 meter inside the property
- The service drop cable to the nbn™ utility box location
- The nbn™ utility box
- The internal fibre optic cable from the nbn™ utility box to the nbn™ connection box
- The nbn™ connection box
- nbn™ connection box with battery backup power supply unit (if required during pre-installation)
- All the fibre optic cables



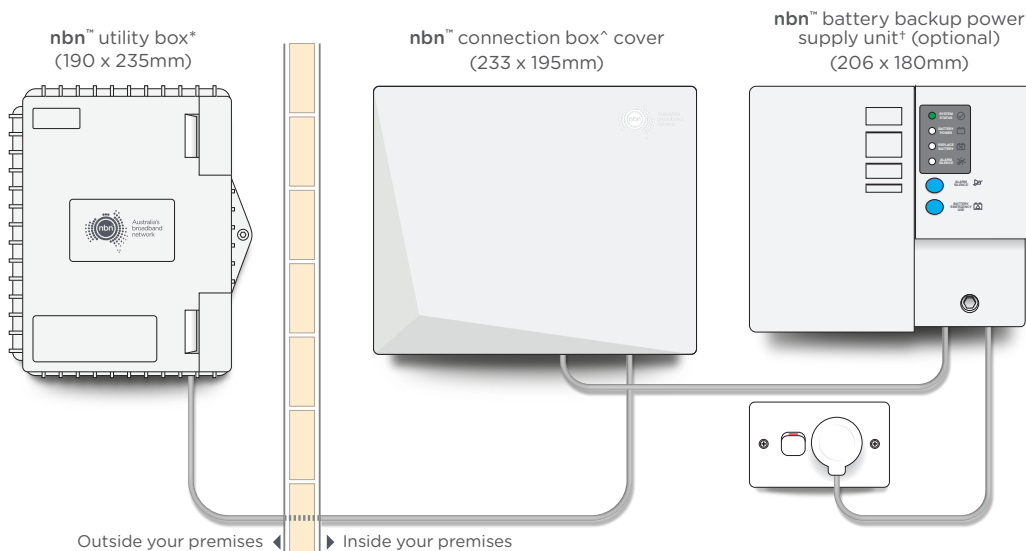
**Figure 1.** Electricity enclosure on the same side of the building to the property entry point



**Figure 2.** Electricity enclosure on the opposite side of the building to the property entry point

**!** If the NTD is to be enclosed, then ventilation is required for safety reasons. Refer to nbn™ Residential Preparation and Installation Guide: SDUs and MDUs for specifications.

## nbn™ supplied equipment installed within the home – wall space reservations



**Layout example only.** For other configurations refer to the **nbn™ Residential Preparation and Installation Guide: SDUs and MDUs.**

† For indoor installation only. **nbn™** supplied equipment should not be installed in prohibited locations, such as bathrooms, laundry etc. as per Residential Preparation and Installation: SDUs and MDUs.

† Builders should always provision space and environment for PS/B. It may be pre-installed or requested by the end user during the life of the building.

\*Also known as Premises Connection Device ^Also known as Network Termination Device

### Preparing new developments for the nbn™ network

It's important that builders and cablers talk to new homeowners about the telecommunications services they may want to access in their homes and provide guidance on where **nbn™** supplied equipment, phone and data outlets should be located.

Both fixed line internet and telephone services will be delivered over the **nbn™** network. **nbn™** supplied equipment should be located in a safe location, where it is convenient to connect the telephone as well as computers and internet TV.

It's important to remember that if customers want to utilise applications like IPTV via Smart TVs in their living room and telework via HD video conferencing in their office they should consider fixed cabling in the home to connect these devices.

### Requesting equipment pre-installation

To enable a smooth and efficient connection to the **nbn™** network, builders/developers may request a pre-installation of the supplied equipment supporting **nbn™** network on behalf of all owners/occupiers of the premises.

Pre-installation of the **nbn™** network supplied equipment should be arranged to take place at least 20 days ahead of the estimated home completion date.

To request a pre-installation of **nbn™** supplied equipment, visit: [nbn.com.au/preinstallrequest](http://nbn.com.au/preinstallrequest)

The following information will be required when submitting a request:

- Confirmation that you have authority of all owners and occupiers to make this request
- Confirmation that you have the agreement of all owners and occupiers to waive their right to be given notice by the **nbn™** of the pre-installation under Schedule 3 of the Telecommunications Act 1997

- Premises address or addresses
- Developer estate name and stage number
- Confirmation that power is available
- Date by which the premises will be at secure 'lock up' stage
- Estimated completion or handover date
- An onsite contact and confirmation that you have their permission to submit their contact details
- Confirmation that an Internal and Lead-in Conduit has been installed in accordance with **nbn™** guidelines
- Confirmation whether Power Supply with Battery Backup will or will not be required
- Preferred installation date

**For more information:**  
1800 687 626  
[newdevelopments@nbn.com.au](mailto:newdevelopments@nbn.com.au)  
[nbn.com.au/newdevelopments](http://nbn.com.au/newdevelopments)