



## MINOR WORKS WATER SERVICES AND STANDARD PROPERTY WATER SERVICE

THIS FACT SHEET OUTLINES THE REQUIREMENTS TO CONNECT TO HUNTER WATER'S WATER SERVICES EITHER BY STANDARD PROPERTY OR MINOR WORKS CONNECTION.



### STANDARD PROPERTY WATER SERVICE CONNECTION TO MAIN

1. Standard property water service tapping can be drilled on either the top or the side of the main depending on the depth (for excavation see Hunter Water's Guidelines for Preparation of Water Main for Drilling).
2. The property water service is to be configured with the flared elbow pointing along the main and the copper pipe bent square into the property when either drilled on top or the side of the main. This applies for services 20mm up to and including 40mm (refer to photos below).
3. 50mm and 65mm services will require 2 x 25mm drilling with the 25mm copper pipe tails to be installed at equal lengths to the 50mm/65mm tee and configured to allow for easy disconnection between the pipe flare and the flared fitting.
4. Brass or Gun Metal tapping bands should only be used on UPVC / Blue Brute mains.
5. Tapping bands used for cast iron and ductile iron mains should be electronically isolated and be nylon coated to prevent the dissimilar metals reacting.
6. No brass fittings should be silvered brazed or soft soldered between the water main and the outlet of the backflow prevention device located within the meter frame, for sizes 20mm up to and including 50mm diameter.
7. The connection to the watermain tap shall be made by a compression flare union, positioned to allow easy disconnection between the flared pipe fitting and main tap connection for sizes 20mm up to and including 65mm diameter.
8. When using Polyethylene pipe for services 20mm-40mm, the first 600mm of pipe from the main tap shall be configured with copper and the connection between the pipes are to be made via an approved copper to poly adaptor or a flared adaptor to poly MI connector.
9. Poly pipe is one size bigger than copper to be equivalent. E.g. 20mm copper is equivalent to 25mm poly.
10. Polyethylene pipe should not be used in ground containing hydrocarbons or any other contaminants as these contaminants are known to permeate through the walls of the pipe.
11. For services 50mm and 65mm, the poly is to be connected to the copper pipe at the outlet side of the tee. Note: the use of poly pipe from 50mm up should be via Hunter Water approval only.
12. Polyethylene pipe should be a minimum grade of PN16. Copper pipe should be a minimum of type B.

## Standard 20mm copper property water service configuration



## Standard 25mm copper property water service configuration



## Example of a 50mm / 65mm connection



## MINOR WORKS WATER SERVICE CONNECTION TO MAIN

1. Minor works water services are installed for all property subdivision as of January 2013.
2. The water main tapping should only be drilled into the side of the water main. Exceptions can be made due to other existing services (For excavation see Hunter Water Guidelines for Preparation of Water Main for Drilling).
3. The main tap size for all minor works water services is to be 25mm.
4. Pipe sizing shall be 25mm poly or 20mm copper pipe for single and 32mm poly or 25mm copper for dual services.
5. These property water services are to service up to two properties, a single service for one property and a dual service for two properties as shown in the Water Services Association of Australian Water Supply Code.
6. Hunter Water recommends the use of Polyethylene pipe when the new service is to be folded into the ground and buried for a land parcel awaiting development (the copper standpipe can swivel at the copper to poly adaptor).
7. Polyethylene pipe should not be used in ground containing hydrocarbons or any other contaminants as these contaminants

are known to permeate through the walls of the pipe.

8. Brass or Gun Metal tapping bands shall only be used on UPVC / Blue Brute mains.
9. Tapping bands used for cast iron and ductile iron mains should be electrically isolated and be nylon coated to prevent the dissimilar metals reacting.

### Minor Works Water Service Connection



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