

## WATER DATA

- 1) All second source domestic water connections require separate accounts, meters and check valves at point of entry.
- 2) New water service(s) shall be activated by Boston Water and Sewer Commission (BWSC) personnel after meter is installed. In addition, when required, BWSC must have an approved as-built plan before activation.
- 3) All taps must be direct taps. The only exception to this rule is when making a 1.5" tap on a water main that is 10" in diameter or smaller. In these instances the use of a saddle will be permitted.
- 4) The connection of water services 4-inches and larger shall be made using a tapping sleeve and valve (Mueller Type H615 or equal).
- 5) If the existing water main is 6-inches or less, any water service 4-inches or larger must be connected using 3-way branch and a gate valve.
- 6) If the building is more than 40 feet from the property line, a meter pit in the sidewalk may be required by the BWSC.
- 7) All outside meter pits and covers shall conform to the sizes and specifications on file at BWSC.
- 8) All meter installations require the installation of a Meter Transmission Unit (MTU) as part of BWSC's Automatic Meter Reading (AMR) system. BWSC will wire and program the MTU with the necessary account information. BWSC reserves the right to have the owner provide a suitable location for the installation of the MTU and the installation of all associated wiring, conduits and penetration points. Provisions must be made for a location that does not interfere with beams, columns, panels and other obstructions, both on the interior and exterior of the building.
- 9) For any property requiring a new meter 3" and above, the property owner shall provide for the purchase of the MTU. The MTU must be purchased at BWSC, Engineering Customer Services Department, 980 Harrison Avenue, Boston, MA. 02119. BWSC will connect the meter to the MTU and program the MTU at BWSC's expense.
- 10) For meters 3-inches and above, only meters of a type approved by BWSC, which register in cubic feet and have six wheel encoders, will be accepted. These meters must be accompanied with a strainer of the same manufacturer upstream of the meter and a spool piece with a *mechanical 3-way (meter diameter x 3") and 3-inch ball valve* downstream of the meter. These meters will be supplied by the owner at his own expense. The *3-inch ball valve* is used for meter testing by the BWSC. See Section M-02b of the Standard Details.
  - a. All meters become the property of the BWSC when the water account is activated.
- 11) All meters 2-inches or less will be supplied by BWSC. BWSC will also supply the meter bushings and coupling for each such meter on a new service.
- 12) All water meters need to be installed as close as possible to the point where the water line enters the building. The water shut off valve should be the same size as the service no matter what size meter to

be installed. Also, the spacing between flanges on larger services shall be sufficient to allow BWSC to install a full size meter in the event that the downsized meter can not handle the demand of the building.

- 13) For all new services 8-inch or larger, a minimum 10-inch diameter standpipe with a 16-inch by 18-inch frame and cover marked BWSC must be used with each gate valve.
- 14) All fire pipes and domestic water services must have separate taps and cannot be interconnected in any way.
- 15) Any existing water service to be abandoned must be shut off, disconnected and sealed at the main and the upright, frame and cover removed by the General Contractor. For all services 3" and above, the pipe and valve must be cut and removed from the main. All repairs on services 3" and above shall be done with full ductile iron split repair sleeves or the equivalent or the installation of new piping with approved couplings. The installation of lightweight repair clamps (band aids) to plug holes or as a permanent repair is not acceptable.
- 16) The cutting, repairing, installation and capping of fire protection building sprinkler services whether for the demolition of a building, the rehabilitation of a building or any other reason must be approved in written request by the Boston Fire Department and Inspectional Services Department. All abandonment of the fire protection building sprinkler service must be cut and capped off at the main in the street. All such work must be performed by a Licensed Drainlayer. For a lateral 4 inches and over, the pipe must be cut and removed from the main. This procedure will involve a main line shut down that the drainlayer will coordinate with BWSC's Water Operations Department. See Section A-15 of the Standard Details.
- 17) All hydrants must be purchased from BWSC.
- 18) Hydrant relocation requires a site plan submittal and approval. If a hydrant is to be relocated within 10 feet of its existing location, BWSC may allow the lateral relocation of the hydrant within the sidewalk using 2-45 degree bends and proper restraint; otherwise the removal of the existing connection and appurtenances and the establishment of a new connection and appurtenances is required. All costs, permitting and approvals, for moving hydrants are the responsibility of the proponent.
- 19) All new water connections, valves, tees, crosses and bends must be stationed. When possible STA 0+00 should be aligned with the corner of the property line of the street where the work is taking place.
- 20) BWSC has the right to inspect the installation of water service pipes, fire pipes and appurtenances and any taps and connections to BWSC's water distribution system. Inspection points must be delineated on the site plan, along with sign off by a BWSC inspector.
- 21) Any request for an upgrade of an existing water service shall be accompanied by a site plan. The existing service must be cut and capped at the main. The site plan submission shall include the existing WATER ACCOUNT NUMBER.