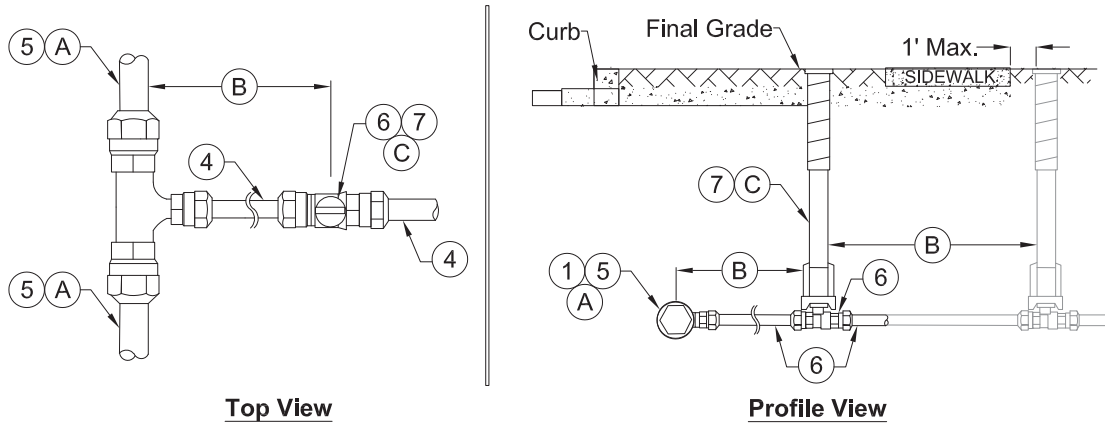




# WATER T&D Construction Standard

## SERVICE CONNECTION - 1" TAP OFF 2" COPPER WATER MAIN

APPLICATION: Standard 1" service tap off 2" copper tube mains.  
Typical application for cul-de-sacs.



**INSTALLATION NOTES:**

- Refer to Water T&D Construction Standard W-03-0015 for requirements for a standard 1" service stub.
- Refer to Water T&D Construction Standard W-03-0025 & W-03-0035 for requirements for a standard 1" curb box to building installation.

- (A) The 2" copper water main is typically installed to serve cul-de-sacs.
- (B) Separation between the 2" copper main and the 1" curb stop shall be no less than 18". Curb stop/curb box should always be located between the curb and the sidewalk. If no sidewalk exists, the curb stop shall be located within the Right-Of-Way with the preferred location being 3' behind the curb. In the event that there is not enough physical space to locate the curb stop between the curb and the sidewalk, the curb stop/curb box shall be installed no more than 1' past the sidewalk.
- (C) After the curb box is installed, raise the curb box to final grade.

| MATERIALS |          |          |                                   |
|-----------|----------|----------|-----------------------------------|
| REF       | ITEM NO. | QTY      | DESCRIPTION                       |
| 1         | 30-33452 | 1        | TEE, BRASS 2" X 2" X 1" THRD ENDS |
| 2         | 30-26887 | 2        | COUPLING, 2" CTS COMP X 2" MIP    |
| 3         | 30-25567 | 1        | COUPLING, 1" CTS COMP X 1" MIP    |
| 4         | 30-45345 | AS REQ'D | TUBE, COPPER TYPE K, 1" X 60FT    |
| 5         | 30-45402 | AS REQ'D | TUBE, COPPER TYPE K, 2" X 20FT    |
| 6         | 30-06166 | 1        | CURB STOP, 1" CTS COMP BOTH ENDS  |
| 7         | 30-00320 | 1        | CURB BOX, COMPLETE                |

Manager, Water & Steam Distribution *Todd Russell* Date: 8/18/2022  
 Director of Water Operations *Sanjeev Munjarwadi* Date: 8/19/2022