



**NOTES:**

1. SERVICE SIZE SHALL BE EQUAL TO EXISTING, OR 1"Ø MINIMUM, WHICHEVER IS LARGER.
2. PROVIDE NEW LINE USING CONTINUOUS LENGTHS OF COPPER. NO COUPLING ALLOWED IN ROADWAY WITHOUT APPROVAL OF ENGINEER.
3. TAP ORIENTATION TO BE MADE AT APPROXIMATELY 2:00 AND 10:00.
4. PROVIDE FOR SERVICE LINE CONTRACTION AND EXPANSION BY INSTALLING "S" IN SERVICE LINE NEAR MAIN.
5. 2" RIGID FOAM INSULATION REQUIRED OVER SECTIONS OF SERVICE PIPES WITH LESS THAN 4' OF COVER.
6. REMOVE EXISTING CURB STOP AND REPLACE.
7. CONNECT CURB STOP TO EXISTING SERVICE LINE AT PROPERTY LINE, BACK SIDE OF SIDEWALK, OR AT LOCATION APPROVED BY THE ENGINEER AFTER PRESSURE TESTING AND DISINFECTION.
8. SERVICE CONNECTIONS OF 1-1/4" AND LARGER SHALL USE A SERVICES SADDLE.
9. CONTRACTOR SHALL COORDINATE SERVICE INSTALLATIONS WITH HOMEOWNERS TO ALLOW ADEQUATE ADVANCED NOTICE OF WATER SERVICE INTERRUPTIONS.
10. CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS IMMEDIATELY IN THE EVENT GALVANIZED STEEL PIPE IS ENCOUNTERED. CONTRACTOR SHALL TAKE PHOTOS OF THE CURB STOP CLEARLY IDENTIFYING THE PIPES THAT ARE GALVANIZED STEEL.
11. CURB BOX TOPS INSTALLATION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:  
IN GRASS – STANDARD HAYES TOP.  
IN SIDEWALK AND DRIVEWAYS – OPERATING PIPE SHALL EXTEND TO APPROXIMATELY 2"–3" BELOW FINISHED GRADE AND COVERED WITH A PLASTIC CAP. A BUFFALO BOX TOP (24" DEPTH) SHALL BE PLACED OVER THE OPERATING PIPE AND BROUGHT TO FINISHED SIDEWALK GRADE.  
IN ROADWAY – OPERATING PIPE SHALL EXTEND TO APPROXIMATELY 2"–3" BELOW FINISHED GRADE AND COVERED WITH A PLASTIC CAP. A GATE BOX TOP (24" DEPTH) SHALL BE PLACED OVER THE OPERATING PIPE AND BROUGHT TO FINISHED ROADWAY GRADE.
12. TRACER WIRE ON PRIVATE PROPERTY SIDE SHALL BE BROUGHT TO GRADE AND LEFT IN BOX WHEN PRIVATE SIDE IS PLASTIC. TRACER WIRE SHALL NOT PLACED IN THE OPERATING ROD PIPE.
13. ROD ASSEMBLY: OPERATING ROD AND COTTER PINS SHALL BE STAINLESS STEEL.

## WATER SERVICE CONNECTION

SCALE: N.T.S

REFERENCES:  
CITY OF  
PORTSMOUTH  
STANDARD  
TECHNICAL  
SPECIFICATIONS

DEPARTMENT OF  
PUBLIC WORKS  
CITY OF PORTSMOUTH, NH  
680 PEVERLY HILL ROAD  
603-427-1530



DATE: 05/09/2025  
SCALE: NONE  
PROJ. NO.: N/A  
APVD BY: PHR

PROJECT:  
CITY OF PORTSMOUTH  
STANDARD DETAILS

TITLE:  
WATER SERVICE CONNECTION

SHEET:  
W-002