



1. THIS DETAIL IS NOT TO BE USED IN SITUATIONS WHERE THE BLOW-OFF MAY STAY IN THE GROUND FOR A PERIOD OF MORE THAN ONE YEAR.

2. MINIMUM BLOW OFF SIZE SHALL BE 2" FOR 8" AND SMALLER MAINS. 3" OR DOUBLE 2" BLOW OFF FOR 10" AND 12" MAINS. 4" BLOW OFF ON 14" AND LARGER MAINS. LARGER BLOW OFFS MAY BE REQUIRED DEPENDING ON AVAILABLE SYSTEM PRESSURE.

3. GALV IRON PIPE AND FITTINGS MUST BE USED ON ONE SIDE OF THE CURB STOP FOR ADEQUATE SUPPORT. PE PIPE AND FITTINGS MAY BE USED ON THE OTHER SIDE.

1. FLUSHING, DISINFECTION, AND PURITY TESTING PER WSDOT 7-09(24) EXCEPT AS MODIFIED HEREIN. SEE DETAIL W-01 FOR PRESSURE TESTING.
2. FLUSH AT LEAST TWICE THE FULL VOLUME, OR AS DIRECTED BY THE DISTRICT. PROVIDE BACKFLOW PREVENTION BETWEEN THE WATER SOURCE AND THE NEW PIPELINES.
3. INITIAL FLUSHING OR PIGGING TO REMOVE DEBRIS AND SEDIMENT BEFORE DISINFECTION IS NOT TYPICALLY REQUIRED BUT MAY BE PERFORMED AT THE CONTRACTOR'S DISCRETION OR IF THE DISTRICT FEELS THERE IS EXCESSIVE DEBRIS OR WAS INSUFFICIENT PROTECTION DURING INSTALLATION.
4. CHLORINATE TO A RESIDUAL OF 50 ppm TO 100 ppm. CL RESIDUAL TESTS MUST BE TAKEN IMMEDIATELY FOLLOWING FILLING AT EACH END OF THE WATER MAIN OR AS DETERMINED BY THE DISTRICT.
5. IF CL RESIDUAL EXCEEDS 100 ppm, THE DISTRICT MAY DIRECT THE CONTRACTOR TO FLUSH AND RETRY.
6. RETENTION TIME SHALL BE 24 HOURS MINIMUM TO 72 HOURS MAXIMUM.
7. IF AFTER THE RETENTION PERIOD THE CL RESIDUAL IS LESS THAN 1 ppm, THE SYSTEM MUST BE FLUSHED AND RE-CHLORINATED. IF THE RESIDUAL IS BETWEEN 1 ppm AND 25 ppm, THE CONTRACTOR MAY CHOOSE TO EITHER FLUSH AND RE-CHLORINATE OR MAY FLUSH AND FILL WITH SYSTEM WATER AND HAVE SAMPLES TAKEN AT THEIR RISK.
8. THE DISTRICT WILL TAKE SAMPLES AS NOTED BELOW, OR AT THEIR DISCRETION:
  - 8.1. EVERY 1,200 FEET OF PIPE, ALL LATERALS LONGER THAN 18 FEET, AND AT EACH END OF THE PIPE.
  - 8.2. VERSION 1: FIRST SAMPLES AFTER FLUSHING, SECOND SAMPLES AT LEAST 16-HOURS LATER.
  - 8.3. VERSION 2: FIRST SAMPLES AT LEAST 16-HOURS AFTER FLUSHING, SECOND SAMPLES 15 MINUTES LATER WITH SAMPLE PORT CONTINUOUSLY RUNNING.
9. SAMPLES WILL NOT BE TAKEN ON FRIDAYS UNLESS AGREED TO BY THE DISTRICT.



# East Wenatchee Water District

## WATER SYSTEM STANDARD DETAIL

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# CONSTRUCTION BLOW-OFF AND PURITY TESTING

FILENAME: EWDTW11  
REVISED: OCT 7, 2025

DRAWING No. W-09  
SHEET No. 12