



## TYPICAL DEAD-END FIRE HYDRANT DETAIL

### NOTES:

1. FIRE HYDRANTS SHALL BE MUELLER CENTURION A-423 OR CLOW MEDALLION, MECHANICAL JOINT, WITH (2) ½" HOSE NOZZLES, (1) 4 ½" PUMPER NOZZLE, NATIONAL STANDARDS THREADS CONFORMING TO AWWA CCW TO OPEN, BREAK FLANGES 3" ABOVE GRADE. HYDRANTS TO BE 6" WITH NIPPLE.
2. GATE VALVES SHALL BE AWWA C-509, RESILIENT WEDGE, NONRISING STEM, MECHANICAL JOINT, 150 PSI WORKING PRESSURE, CCW TO OPEN WITH ARROW INDICATING OPEN DIRECTION, MUELLER OR EQUIVALENT.
3. VALVE BOXES SHALL BE 3-PIECE CAST IRON 6" DIAMETER NOMINAL, ADJUSTABLE SCREW TYPE, COVER MARKED "WATER", DOMESTIC MADE ONLY.
4. ALL FITTINGS TO BE RESTRAINED.
5. ALL FITTINGS TO BE AWWA C-153 DUCTILE IRON, COMPACT.
6. ALL VALVES AND HYDRANTS SHALL OPEN LEFT BY TURNING IN A COUNTERCLOCKWISE DIRECTION.
7. WATER MATERIAL SHALL BE DUCTILE IRON PIPE CLASS 52, AWWA C-151, SLIP-ON JOINTS WITH RUBBER GASKETS, OR PVC-150, DR-18, AWWA C-900 WITH MEGALUG RETRAINS OR EQUIVALENT.
8. THE LAYING OF PIPE ON EXISTING DIRT WITH THE BELLS CUT OUT, SHALL NOT BE PERMITTED.
9. THE OPEN ENDS OF ALL PIPES AND SPECIAL CASTINGS SHALL BE PLUGGED OR OTHERWISE CLOSED WITH A WATERTIGHT PLUG TO THE APPROVAL OF THE CITY BEFORE LEAVING THE WORK FOR THE NIGHT.
10. HYDRANT MUST BE CURRENT YEAR MANUFACTURE AND MUST BE CAST BARREL AS TO YEAR OF MANUFACTURE.
11. HYDRANT NEEDS HYDRANT TAG WITH HYDRANT NUMBER ISSUED BY THE CITY.
12. HYDRANT TO BE SELF-DRAINING.
13. ALL EXISTING MAINS WHERE FIRE HYDRANTS ARE TO BE INSTALLED SHALL BE HOT TAPPED.
14. 6" RESTRAINING GLAND NEEDS TO BE USED ON THE HYDRANT FLANGE.
15. VALVE BOX RISER SHALL NOT BEAR ON VALVE OR PIPE.
16. VALVE BOX TO BE 3 PIECE VALVE BOX.
17. PUMPER NOZZLE TO FACE STREET/ROAD.
18. TAPPING SLEEVE TEE OFF OF WATER MAIN. NO CUT IN TEE.
19. REFER TO STANDARD TRENCH DETAIL, TRACER WIRE DETAIL, TYPICAL BLOCKING DETAIL, AND ANY OTHER CITY OF BELLEFONTAINE WATER DETAILS FOR PERTINENT INFORMATION.

**DEAD-END FIRE  
HYDRANT DETAIL  
STANDARD DRAWING  
WA 4.0**

**APPROVED BY: J. BISCHOFF**

**APPROVED DATE: 2/8/24**

**REVISIONS: 0.0**

