



## GENERAL NOTES:

1. CONSTRUCTION MATERIALS AND PROCEDURES SHALL COMPLY WITH MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS (MPWSS), 7TH EDITION, APRIL 2021, AS MODIFIED BY THE MISSOULA CITY PUBLIC WORKS STANDARDS AND SPECIFICATIONS MANUAL, APPENDIX 2-A (STANDARD MODIFICATIONS TO MPWSS), CURRENT EDITION.
2. ALL COMMERCIAL AND MULTIFAMILY (GREATER THAN 3 UNITS) SERVICES REQUIRE BACKFLOW PREVENTION DEVICES INSTALLED IN ACCORDANCE WITH MISSOULA WATER'S BACKFLOW RULES, INCLUDING PROVIDING ADEQUATE DRAINAGE IN THE EVENT OF DISCHARGE FROM THE BACKFLOW PREVENTER. IN MOST CASES, REDUCED PRESSURE PRINCIPLE BACKFLOW DEVICES WILL BE REQUIRED ON BOTH DOMESTIC AND FIRE LINES.
3. COMMERCIAL OR MULTIFAMILY BUILDINGS WITH A FIRE LINE MUST HAVE SEPARATE FIRE AND DOMESTIC LINES TO THE WATER MAIN, EACH WITH A SHUTOFF VALVE IN THE RIGHT-OF-WAY.
4. IF MULTIPLE UNITS IN A BUILDING WILL BE METERED SEPARATELY, EACH UNIT MUST HAVE A SEPARATE OUTSIDE SHUTOFF VALVE LOCATED IN THE RIGHT-OF-WAY.
5. COMMERCIAL METERS MUST BE INSTALLED IN A BUILDING MECHANICAL ROOM WITH A MINIMUM CEILING HEIGHT OF 6 FEET.
6. A 1/2-INCH PVC CONDUIT WITH A PULL WIRE MUST BE INSTALLED FROM THE WATER METER ALL THE WAY THROUGH AN EXTERIOR WALL OF THE BUILDING WITHIN 2-5 FEET OF GROUND SURFACE, FOR INSTALLATION OF A REMOTE TRANSMITTER.
7. METERS LARGER THAN 1-INCH REQUIRED A BYPASS LINE.
8. METERS ARE NOT ALLOWED IN CRAWL SPACES.
9. METERS MUST BE INSTALLED HORIZONTALLY
10. METERS MUST BE INSTALLED BETWEEN 1-FOOT AND 5- FEET ABOVE FLOOR LEVEL.
11. NO OBSTRUCTIONS ARE ALLOWED WITHIN 12-INCHES ABOVE OR BELOW THE METER.
12. THERE SHALL BE A MINIMUM OF 6-INCHES OF HORIZONTAL CLEARANCE BETWEEN THE METER AND ANY WALL OR OTHER OBSTRUCTION.
13. SUFFICIENT ACCESS SHALL BE PROVIDED TO THE FRONT OF THE METER FOR INSTALLATION AND REMOVAL. THERE SHALL BE A MINIMUM OF 3- FEET OF CLEAR SPACE IN FRONT OF THE METER.



Engineering Division

## Typical Commercial & Multi-Family Water Service Detail

*Logan McInnis*

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