



**KEYED NOTES:**

- ① WATER MAIN VALVES SHALL BE MECHANICAL JOINT AND SHOULD BE PLACED IN LINE WITH THE RIGHT-OF-WAY LINES BUT NO FURTHER THAN 15 FEET FROM THE CURB PC AND NOT WITHIN A CROSSWALK.
- ② VALVES SHALL BE INSTALLED IN AT LEAST TWO DIRECTIONS AT EACH TEE AND IN AT LEAST THREE DIRECTIONS AT EACH CROSS. VALVES SHALL HAVE MECHANICAL JOINTS. VALVES SHALL BE PLACED SO THAT ONLY A SINGLE FIRE HYDRANT IS OUT OF SERVICE WHEN THE MAIN IS SHUTDOWN.
- ③ FIRE HYDRANTS SHOULD BE LOCATED 3 FT FROM EDGE OF LAYDOWN AND A MINIMUM OF 5 FT FROM VALVE. PUMPER NOZZLE NUT SHALL BE A MINIMUM OF 2 FT FROM THE TOP BACK OF CURB OR SIDEWALK WHERE SIDEWALK IS LOCATED ADJACENT TO THE CURB. FIRE HYDRANT SHALL BE LOCATED NO FURTHER THAN 12 FT FROM THE CURB. MINIMUM ROAD WIDTH AT A HYDRANT SHALL BE 26 FT.

**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.



Engineering Division

**Typical Valve Location Detail**

*Logan McInnis*

Approved By  
Utilities Engineer  
Logan McInnis, PE

Adopted:  
Revised: 01/01/2023

**STD - 415**