



TO INSURE VALID REGISTRATION AND PROPER PERFORMANCE, THE FOLLOWING FACTORS ARE REQUIRED WHEN INSTALLING COMPOUND METERS:

**NOTES:**

1. FOR OPTIMUM LIFE AND BEST ACCURACY, METERS WORK EFFICIENTLY WHEN THERE IS A SWIRL-FREE, UNIFORM-FLOW-VELOCITY PROFILE IN THE PIPE IMMEDIATELY UPSTREAM OF THE METER.
2. ALL METERS SHALL BE POSITIONED HORIZONTALLY.
3. PIPING SHOULD BE ARRANGED TO ENSURE THE METER REMAINS FULL OF WATER AT ALL TIMES AND UNDER A POSITIVE HEAD.
4. FLOOR DRAIN MUST BE WITHIN 10 FEET OF METER.
5. ISOLATING VALVES, PRESSURE REGULATING DEVICES, ELBOWS, REDUCERS, TEES AND CROSSES INSTALLED UPSTREAM AND/OR DOWNSTREAM FROM THE METER SHOULD BE NO CLOSER THAN THE STATED MULTIPLE OF PIPE DIAMETERS. ALL PIPING WITHIN THE UPSTREAM AND DOWNSTREAM AREA MUST BE THE SAME SIZE AS THE METER.
6. FULL-OPENING BALL OR GATE VALVES SHALL BE USED FOR THE METER ISOLATION VALVES.
7. WHEN PRESSURE REGULATING DEVICES ARE REQUIRED, THEY SHALL BE INSTALLED BETWEEN THE INLET VALVE AND METER.
8. WHEN CHECK VALVE, THROTTLING, OR BACKFLOW PREVENTION DEVICES ARE REQUIRED, THEY SHOULD BE INSTALLED DOWNSTREAM OF THE METER AT GREATER THAN THE MINIMUM STATED MULTIPLE OF PIPE DIAMETERS.
9. TO FACILITATE PERIODIC TESTING, PROVISIONS SHOULD BE MADE FOR A TEST TEE OR PLUG AT A MINIMUM OF THREE PIPE DIAMETERS DOWNSTREAM OF THE METER.
10. ALL COMMERCIAL WATER METER CONFIGURATIONS SHALL INCLUDE PROVISIONS FOR IRRIGATION.

NOT TO SCALE

APPROVED JANUARY 1, 2024

CITY ENGINEER REG 23110

**COMMERCIAL  
WATER METER  
INSTALLATION**

City  
**Golden Valley**  
**GV-WM-120**