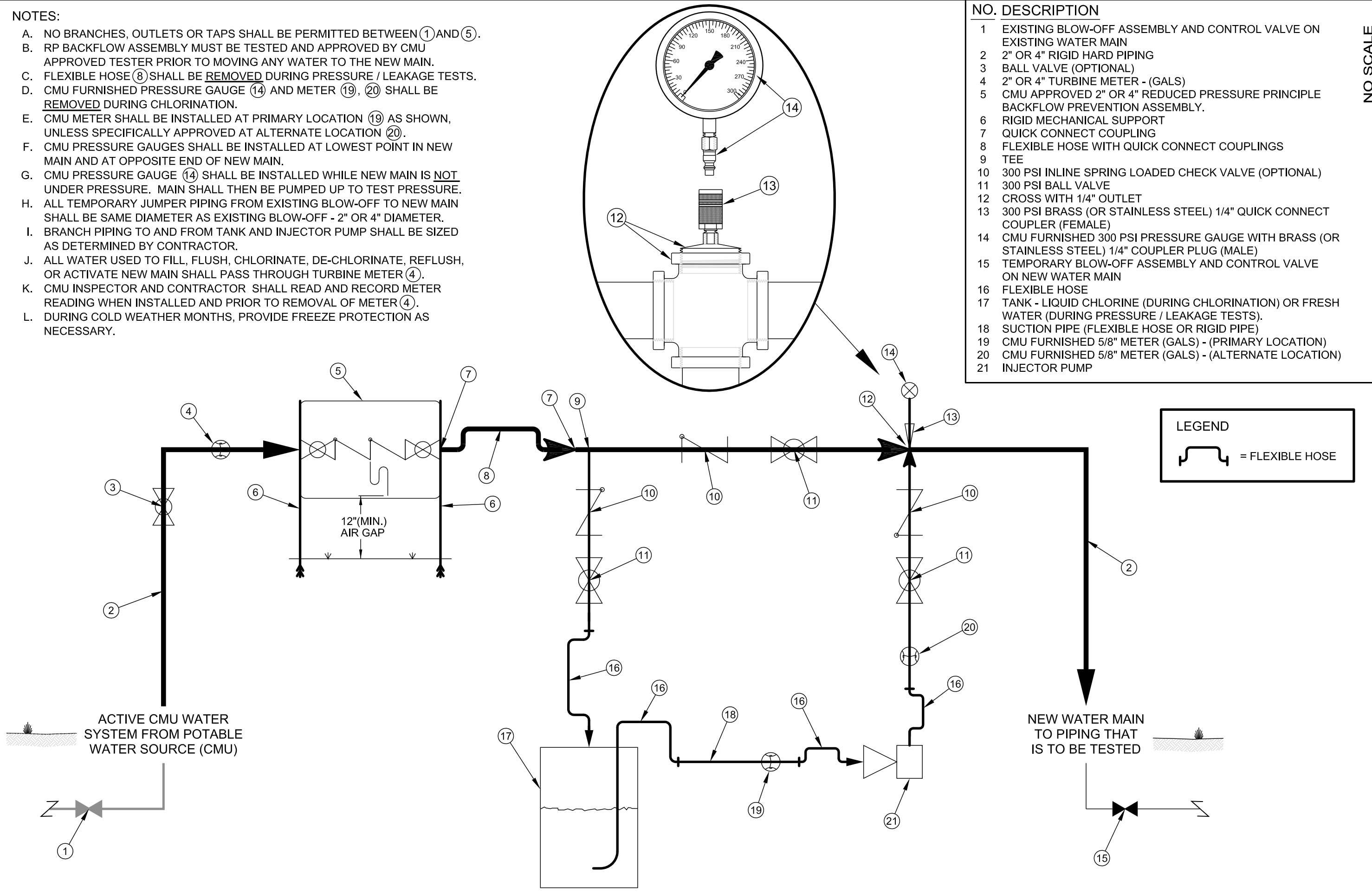


NOTES:

- A. NO BRANCHES, OUTLETS OR TAPS SHALL BE PERMITTED BETWEEN ① AND ⑤.
- B. RP BACKFLOW ASSEMBLY MUST BE TESTED AND APPROVED BY CMU APPROVED TESTER PRIOR TO MOVING ANY WATER TO THE NEW MAIN.
- C. FLEXIBLE HOSE ⑧ SHALL BE REMOVED DURING PRESSURE / LEAKAGE TESTS.
- D. CMU FURNISHED PRESSURE GAUGE ⑭ AND METER ⑲, ⑳ SHALL BE REMOVED DURING CHLORINATION.
- E. CMU METER SHALL BE INSTALLED AT PRIMARY LOCATION ⑲ AS SHOWN, UNLESS SPECIFICALLY APPROVED AT ALTERNATE LOCATION ⑳.
- F. CMU PRESSURE GAUGES SHALL BE INSTALLED AT LOWEST POINT IN NEW MAIN AND AT OPPOSITE END OF NEW MAIN.
- G. CMU PRESSURE GAUGE ⑭ SHALL BE INSTALLED WHILE NEW MAIN IS NOT UNDER PRESSURE. MAIN SHALL THEN BE PUMPED UP TO TEST PRESSURE.
- H. ALL TEMPORARY JUMPER PIPING FROM EXISTING BLOW-OFF TO NEW MAIN SHALL BE SAME DIAMETER AS EXISTING BLOW-OFF - 2" OR 4" DIAMETER.
- I. BRANCH PIPING TO AND FROM TANK AND INJECTOR PUMP SHALL BE SIZED AS DETERMINED BY CONTRACTOR.
- J. ALL WATER USED TO FILL, FLUSH, CHLORINATE, DE-CHLORINATE, REFLUSH, OR ACTIVATE NEW MAIN SHALL PASS THROUGH TURBINE METER ④.
- K. CMU INSPECTOR AND CONTRACTOR SHALL READ AND RECORD METER READING WHEN INSTALLED AND PRIOR TO REMOVAL OF METER ④.
- L. DURING COLD WEATHER MONTHS, PROVIDE FREEZE PROTECTION AS NECESSARY.

NO. DESCRIPTION

- 1 EXISTING BLOW-OFF ASSEMBLY AND CONTROL VALVE ON EXISTING WATER MAIN
- 2 2" OR 4" RIGID HARD PIPING
- 3 BALL VALVE (OPTIONAL)
- 4 2" OR 4" TURBINE METER - (GALS)
- 5 CMU APPROVED 2" OR 4" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY.
- 6 RIGID MECHANICAL SUPPORT
- 7 QUICK CONNECT COUPLING
- 8 FLEXIBLE HOSE WITH QUICK CONNECT COUPLINGS
- 9 TEE
- 10 300 PSI INLINE SPRING LOADED CHECK VALVE (OPTIONAL)
- 11 300 PSI BALL VALVE
- 12 CROSS WITH 1/4" OUTLET
- 13 300 PSI BRASS (OR STAINLESS STEEL) 1/4" QUICK CONNECT COUPLER (FEMALE)
- 14 CMU FURNISHED 300 PSI PRESSURE GAUGE WITH BRASS (OR STAINLESS STEEL) 1/4" COUPLER PLUG (MALE)
- 15 TEMPORARY BLOW-OFF ASSEMBLY AND CONTROL VALVE ON NEW WATER MAIN
- 16 FLEXIBLE HOSE
- 17 TANK - LIQUID CHLORINE (DURING CHLORINATION) OR FRESH WATER (DURING PRESSURE / LEAKAGE TESTS).
- 18 SUCTION PIPE (FLEXIBLE HOSE OR RIGID PIPE)
- 19 CMU FURNISHED 5/8" METER (GALS) - (PRIMARY LOCATION)
- 20 CMU FURNISHED 5/8" METER (GALS) - (ALTERNATE LOCATION)
- 21 INJECTOR PUMP



NO SCALE

STANDARD NO.	G
VERSION NO.	1.1
VERSION DATE	02.12.2010

**NEW WATER MAIN JUMPER
SCHEMATIC FOR 2" - 24" MAINS**

CHARLOTTE-MECKLENBURG UTILITIES
STANDARD DETAILS
WATER

