

NOTES:

- A. ANY USE OF WATER REQUIRES THIS FULL ASSEMBLY (STATE STATUTE #143-355.4)(CHARLOTTE CITY CODE CHAPTER 23, ARTICLE 5).
- B. NO BRANCHES, OUTLETS OR TAPS SHALL BE PERMITTED BETWEEN NO. 1 AND NO. 5.
- C. RP BACKFLOW ASSEMBLY MUST BE TESTED AND APPROVED BY CLTW APPROVED TESTER PRIOR TO MOVING ANY WATER TO THE NEW MAIN.
- D. FLEXIBLE HOSE NO. 8 SHALL BE REMOVED DURING PRESSURE / LEAKAGE TESTS.
- E. CLTW FURNISHED PRESSURE GAUGE NO. 14 AND METER NO. 19, 20 SHALL BE REMOVED DURING CHLORINATION.
- F. CLTW METER SHALL BE INSTALLED AT PRIMARY LOCATION NO. 19 AS SHOWN, UNLESS SPECIFICALLY APPROVED AT ALTERNATE LOCATION NO. 20.
- G. CLTW PRESSURE GAUGES SHALL BE INSTALLED AT LOWEST POINT IN NEW MAIN AND AT OPPOSITE END OF NEW MAIN.
- H. CLTW PRESSURE GAUGE NO. 14 SHALL BE INSTALLED WHILE NEW MAIN IS NOT UNDER PRESSURE. MAIN SHALL THEN BE PUMPED UP TO TEST PRESSURE.
- I. ALL TEMPORARY JUMPER PIPING FROM EXISTING BLOW-OFF TO NEW MAIN SHALL BE SAME DIAMETER AS EXISTING BLOW-OFF - 2" OR 4" DIAMETER.
- J. BRANCH PIPING TO AND FROM TANK AND INJECTOR PUMP SHALL BE SIZED AS DETERMINED BY CONTRACTOR.
- K. ALL DISCHARGE WATER TO GROUND SERVICE SHALL BE 0.02 PARTS PER MILLION OR LESS.
- L. ALL WATER USED TO FILL, FLUSH, CHLORINATE, DE-CHLORINATE, REFLUSH, OR ACTIVATE NEW MAIN SHALL PASS THROUGH TURBINE METER NO. 4.
- M. CLTW INSPECTOR AND CONTRACTOR SHALL READ AND RECORD METER READING WHEN INSTALLED AND PRIOR TO REMOVAL OF METER NO. 4.
- N. DURING COLD WEATHER MONTHS, PROVIDE FREEZE PROTECTION AS NECESSARY.
- O. ALL ABOVE GROUND PIPING/JUMPER ASSEMBLY SHALL BE LOCATED BACK OF CURB/EP AND OUTSIDE THE DOT CLEAR RECOVERY ZONE OR SHALL BE PROTECTED BY CONCRETE BARRIERS.

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" ULTRASONIC METER - (GALS).
- 5. CLTW 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. CLTW 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. CLTW FURNISHED 5/8" ULTRASONIC METER (GALS) - (PRIMARY LOCATION).
- 20. CLTW FURNISHED 5/8" ULTRASONIC METER (GALS) - (ALTERNATE LOCATION).
- 21. INJECTOR PUMP.

