1. ALL PIPING SHALL BE PRESSURE CL-350 DUCTILE IRON PIPE (CIP). ALL BURIED PIPE UP TO BACKFLOW DEVICE INLET SHALL BE POLY-WRAPPED PER AWWA C105.

2. FITTINGS SHALL BE FlG x FlG OR MECHANICALLY RESTRAINED FlG x MJ (CBA MEDALUG OR APPROVED EQUAL).

3. 3" & 4" R.S. GATE VALVES, MEETING AWWA STANDARDS, AND LEFT IN NORMAL OPEN POSITION.

4. PROVIDE A MIN OF 3/8" NON-CASE HARDENED CHAIN W/LOCK BETWEEN VALVES.

5. REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) type BACKFLOW PREVENTION DEVICE (FEBCO 8265S, WILKINS 975DA, OR DISTRICT APPROVED EQUIVALENT SUITED FOR HEALTH HAZARD CONDITION USE). DISTRICT SHALL DETERMINE THE HAZARD CONDITION FOR EACH CONNECTION AND SHALL HAVE FINAL DEVICE APPROVAL.

6. FABRICATED PIPE SUPPORT, TYP. 2 (PH) MANUFACTURING MODEL 875 WITH 871 STAND, PLACER WATER Works 201L-S WITH STAND, OR DISTRICT APPROVED EQUIVALENT.

7. WAFFER CHECK VALVE (GRENIER KVX CHECK 680, OR APPROVED, PER FD REQUIREMENTS).

8. STAINLESS 45 DEGREE-FDC UL, FD APPROVED FDC (PER FIRE DEPARTMENT REQUIREMENTS).

9. 2-1/2" BRASS PLUGS.

10. 4" x 12" GALVANIZED NIPPLE W/4" GALVANIZED CAP.

11. THRUST BLOCKS PER DISTRICT REQUIREMENTS (SEE DETAIL SHEET 12).

12. R.S. OR R.W. GATE VALVE REQUIRED ON FIRE LINES.

13. DETECTOR METER WITH BYPASS BFP BACKFLOW DEVICE (PLASTIC BOTTOM CASE TYPE RECOMMENDED TO PROTECT DEVICE FROM FREEZE CONDITION DAMAGE).

14. INSTALL SCH 80 OR C500 PVC SLEEVE TO PROVIDE 1/4" ANNUAL GAP AT ALL PIPE PENETRATIONS.

15. ANY DESIGN DEVIATIONS SHALL HAVE WRITTEN DISTRICT APPROVAL.

16. INSULATE ENTIRE ABOVE-GROUND ASSEMBLY WITH FREEZE PROTECTION INSULATION BLANKET, CORRECTLY SIZED TO FIT INSTALLATION OVER GUARD TYPE 4". THERMISTOR "TS20", OR DISTRICT APPROVED EQUIVALENT.

17. BACKFLOW TEST REQUIRED AT TIME OF WATER ACTIVATION, AND ANNUALLY THEREAFTER.

18. CONNECTIONS WITH ON-SITE BOOSTER PUMPS SHALL INCORPORATE RPDA AND A PRESSURE SUSTAINING CONTROL VALVE SET SO THE PUBLIC WATER SUPPLY WILL NOT DROP BELOW 20 PSI. SUBMIT DESIGN TO DISTRICT ENGINEER FOR PRE-APPROVAL.