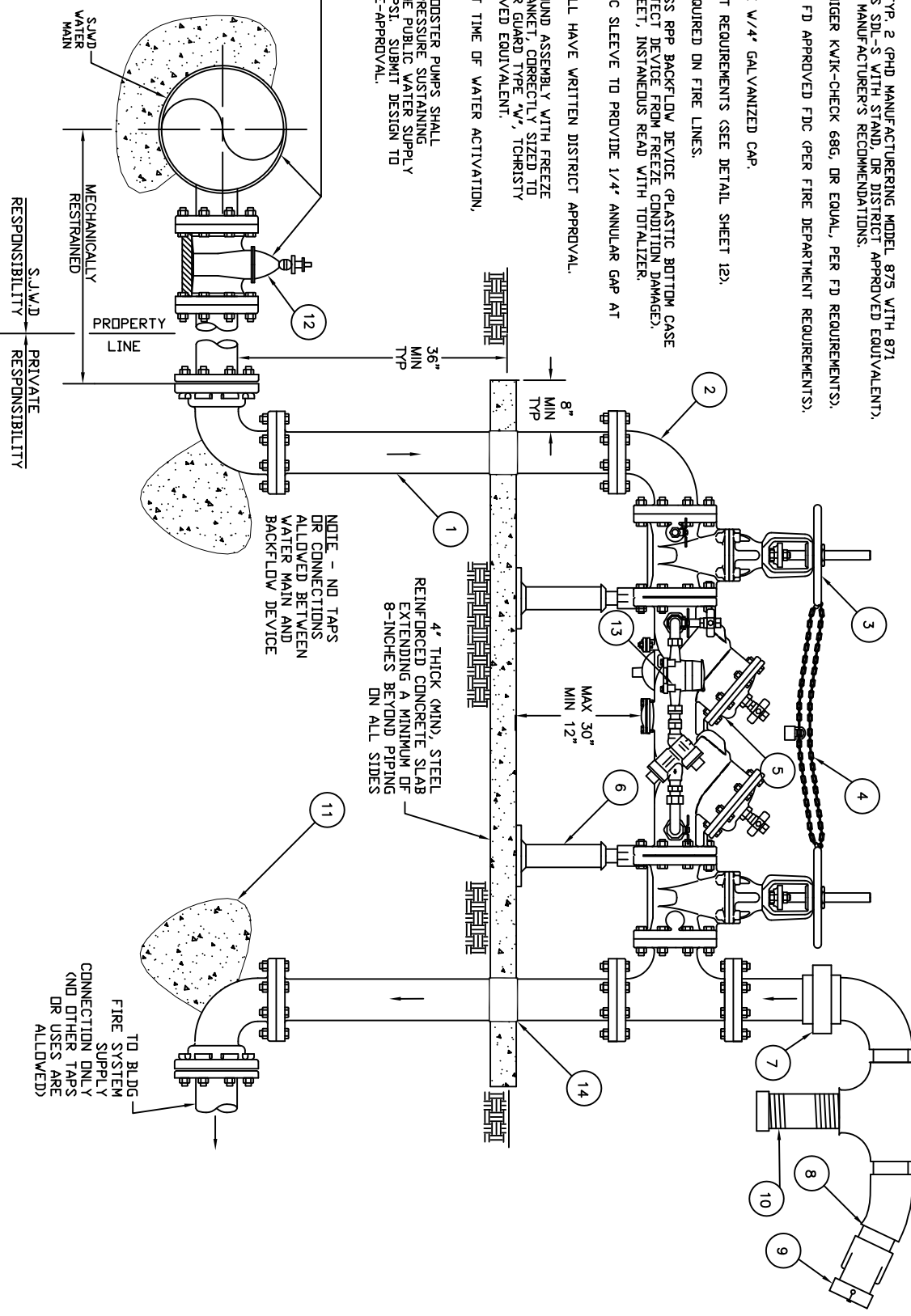


NOTES:

1. ALL PIPING SHALL BE PRESSURE CL-350 DUCTILE IRON PIPE (DIP). 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 EBAA MEGALUG OR APPROVED EQUAL.
3. OS & Y R.S. GATE VALVES, MEETING AWWA STANDARDS, AND LEFT IN NORMALLY 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 (GEBOD 862VD, 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 (PHD MANUFACTURING MODEL 875 WITH 871 STAND, PLACER WATERWORKS SUL-S WITH STAND, OR DISTRICT APPROVED EQUIVALENT).
7. WAFFER CHECK VALVE (GREENIGER KWIK-CHECK 68G, OR EQUAL, PER FD REQUIREMENTS).
8. SIAMESE 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. DR R.V. GATE VALVE REQUIRED ON FIRE LINES.
13. DETECTOR METER WITH BYPASS RPP BACKFLOW DEVICE (PLASTIC BOTTOM CASE TYPE RECOMMENDED TO PROTECT DEVICE FROM FREEZE CONDITION DAMAGE. METER TO READ IN CUBIC FEET, INSTANTANEOUS READ WITH TOTALIZER).
14. INSTALL SCH 80 DR C900 PVC SLEEVE TO PROVIDE 1/4" ANNULAR 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 (WEATHER GUARD TYPE "V", TORRISTY 'BFSC', OR DISTRICT APPROVED EQUIVALENT).
17. BACKFLOW TEST REQUIRED AT TIME OF WATER ACTIVATION, AND ANNUALLY THEREAFTER.
18. CONNECTIONS WITH ONSITE BOOSTER PUMPS SHALL INCORPORATE RPDA AND A PRESSURE SUSTAINING CONTROL VALVE SET TO THE PUBLIC WATER SUPPLY WILL NOT DROP BELOW 20 PSI. SUBMIT DESIGN TO DISTRICT ENGINEER FOR PRE-APPROVAL.




FOR TIE-IN CONNECTIONS ON EXISTING MAIN S.W.J.W.D. SHALL DIRECT AND APPROVE EITHER DIP TEE OR HOT-TAP OUTLET METHOD (SIZE-DN-SIZE HOT-TAP NOT ALLOWED, LONG BODY TAPPING SLEEVE REQ'D, INSTALL ISOLATION VALVE, PIPE AND FITTINGS PER S.W.J.W.D. STANDARDS.

S.W.J.W.D. PRIVATE RESPONSIBILITY

NOTE - NO TAPS OR CONNECTIONS ALLOWED BETWEEN WATER MAIN AND BACKFLOW DEVICE

TO BLDG FIRE SYSTEM SUPPLY CONNECTION ONLY (NO OTHER TAPS OR USES ARE ALLOWED)

NO	DATE	REVISIONS	APP	BY



BACKFLOW PREVENTION DEVICE
WITH FIRE DEPT. CONNECTION
 SAN JUAN WATER DISTRICT

APPROVED FOR S.W.J.W.D.
 ROB WATSON, P.E. - ENGINEERING SERVICES MANAGER
 SCALE: NTS PRINT DATE: 09/13/10 DETAIL NO. SHT 23 OF 27