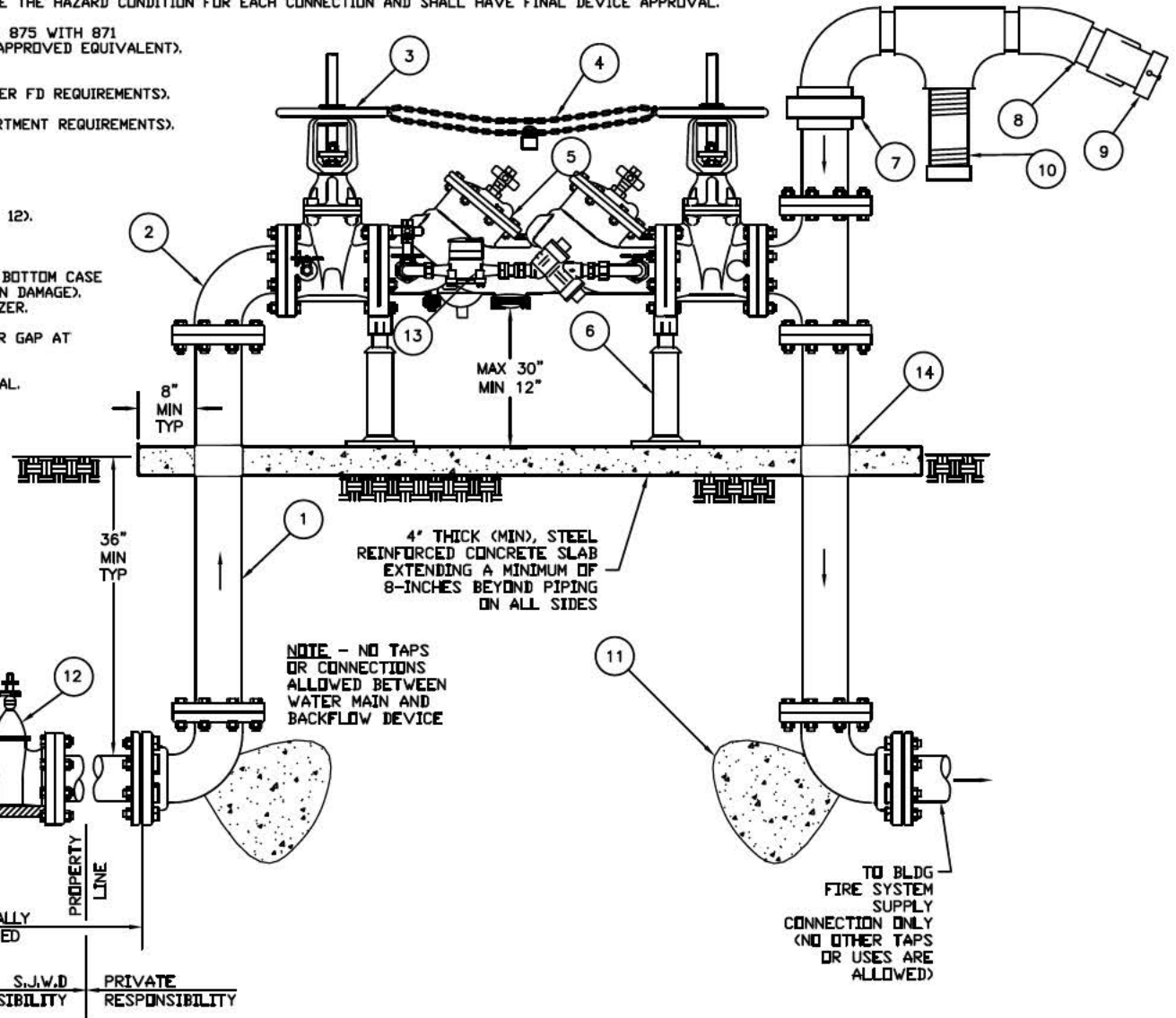
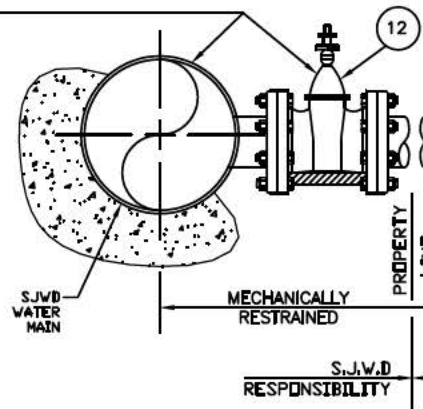


**NOTES:**

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 (FEBCO 826YD, 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 SDL-S WITH STAND, OR DISTRICT APPROVED EQUIVALENT). ANCHOR BOLT TO SLAB PER MANUFACTURER'S RECOMMENDATIONS.
7. WAFER CHECK VALVE (GROENIGER 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. OR R.W. 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, INSTANEOUS READ WITH TOTALIZER.
14. INSTALL SCH 80 OR 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 "W", TCHRISTY "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 SO 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 SJWD SHALL DIRECT AND APPROVE EITHER DIP TEE OR HOT-TAP OUTLET METHOD (SIZE-ON-SIZE HOT-TAP NOT ALLOWED. LONG BODY TAPPING SLEEVE REQ'D). INSTALL ISOLATION VALVE, PIPE AND FITTINGS PER SJWD STANDARDS.



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 SJWD:			
ROB WATSON, P.E. - ENGINEERING SERVICES MANAGER			
SCALE	PRINT DATE	DETAIL NO	
NTS	09/13/10	SHT 23 OF 27	