1. All piping shall be pressure class CL-350 DI pipe unless otherwise directed. Poly-wrap per AWWA C105.
2. Fittings shall be FLG x FLG or FLG x MJ mechanically restrained (BAMA Megalug, or approved equal).
3. Resilient seated AWWA C509 gate valves.
4. Min. of 3/8" non-case hardened chain w/latch between valves.
5. BPP backflow prevention device (Wilkins model 975, FEBCO 825D, or district approved equivalent).
6. Pipe supports (FID Manufacturing 875 with E71 stand, Placer Waterworks 811-S saddle with stand, or district approved equivalent). Install anchors per manufacturer's recommendations.
7. Thrust blocks per district requirements (see sheet 1D).
8. Install SCH 80 or C900 PVC sleeve to provide 1/4" annular gap at all pipe penetrations through slab.
9. Any deviation from design shall be approved in writing by district prior to construction.
10. Insulate all aboveground piping with freeze protection blanket (Weatherguard "WG", Therma-Style "BSF", or equal).
11. Backflow testing by a San Juan Water District certified tester is required at time of water service activation (Turn ON), and annually thereafter.
12. If dual supply needed then install tee (and other req'd piping) with proper thrust block per sheet 13 of 27.

For tie-in connections on existing main SJWD small diameter and approve either BPP tee or hot-tap outlet method (size-of-size hot-tap not allowed). Long body tapping sleeve. Meda install isolation valve, pipe and fittings per SJWD standards.

NOTE - This detail is for installations where water supply will normally have flow (not a "standing" type connection). For fire and other "standing" service connections reference detail sheet 23 and sheet 25. For residential fire service installations reference sheet 4.

SAN JUAN WATER DISTRICT

NEW

5/11/12

APR BY

SHEET 22 OF 27

BACKFLOW PREVENTION DEVICE WITH METER (2-1/2" OR LARGER)