**Material List**

**Item** | **QTY** | **Description**
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1 | EA | 8" FLG/D Angle Pressure Regulator w/4" Four-Port Bonnet
2 | EA | F X VICTAULIC SPOOL (OUT TO FIT)
3 | EA | VICTAULIC COUPLING
4 | EA | F X F 90° ELBOW (MIN 8" I.D.)
5 | EA | F X F BUTTERFLY VALVE
6 | EA | 8" X 4" FLG/D Tee w/4" Companion Flange
7 | EA | STAINLESS STEEL BALL VALVE w/CLOSE NIPPLE (SIZE AS REQUIRED)
8 | EA | COPPER OR BRASS PIPE (SIZE AS REQUIRED)
9 | EA | 45° COPPER OR BRASS ELBOW W/CLOSE NIPPLE (SIZE AS REQUIRED)
10 | EA | 4" Threaded Globe Direct-Acting Pressure Regulator w/Union
11 | EA | F X F CM/L&C STEEL OR D.I. PIPE (MIN 8" I.D.)
12 | EA | ( ) X 8" FLG/D Reducer, if Required
13 | EA | 8" F X F CM/L&C STEEL OR D.I. PIPE SPOOL
14 | EA | #4 Rebar GR 60 12" O.C. EA.
15 | EA | PREFORMED EXPANSION PAPER PER ASTM 1751
16 | EA | CONCRETE SLAB (LENGTH= 24" LARGER THAN O.D. OF RISER PIPE)
17 | EA | 2" Threaded Globe Direct-Acting Pressure Regulator w/Union
18 | EA | 8" X 4" FLG/D Tee w/4" X 2" Companion Flange

**Notes:**

1. Pressure Regulator shall be Min. 24" Above Finish Grade.
2. Below ground installation of Press. Reg. to be allowed only when above ground assembly is not permitted by the governing agency.
3. In areas prone to freezing, bypass piping shall be wrapped with Insulating Tape.
4. All CM/L&C pipe to meet EMWD specification 15061.
5. Enclosure manufacturers, or approved Equal:
   - Backflow Prevention Device Enclosure, Phoenix, Az.
   - B. Le Muer Welding & Manufacturing, Wilmington, CA.
6. EMWD O&M may require a vertical Flow Meter on Inlet piping.
7. Install an equal length spool on Outlet piping.
8. EMWD O&M may require a chart recorder installed w/Companion Flange to Main Press. Reg. Body Ports.
   - Placed inside NEMA enclosure, exact location to be determined in the field.