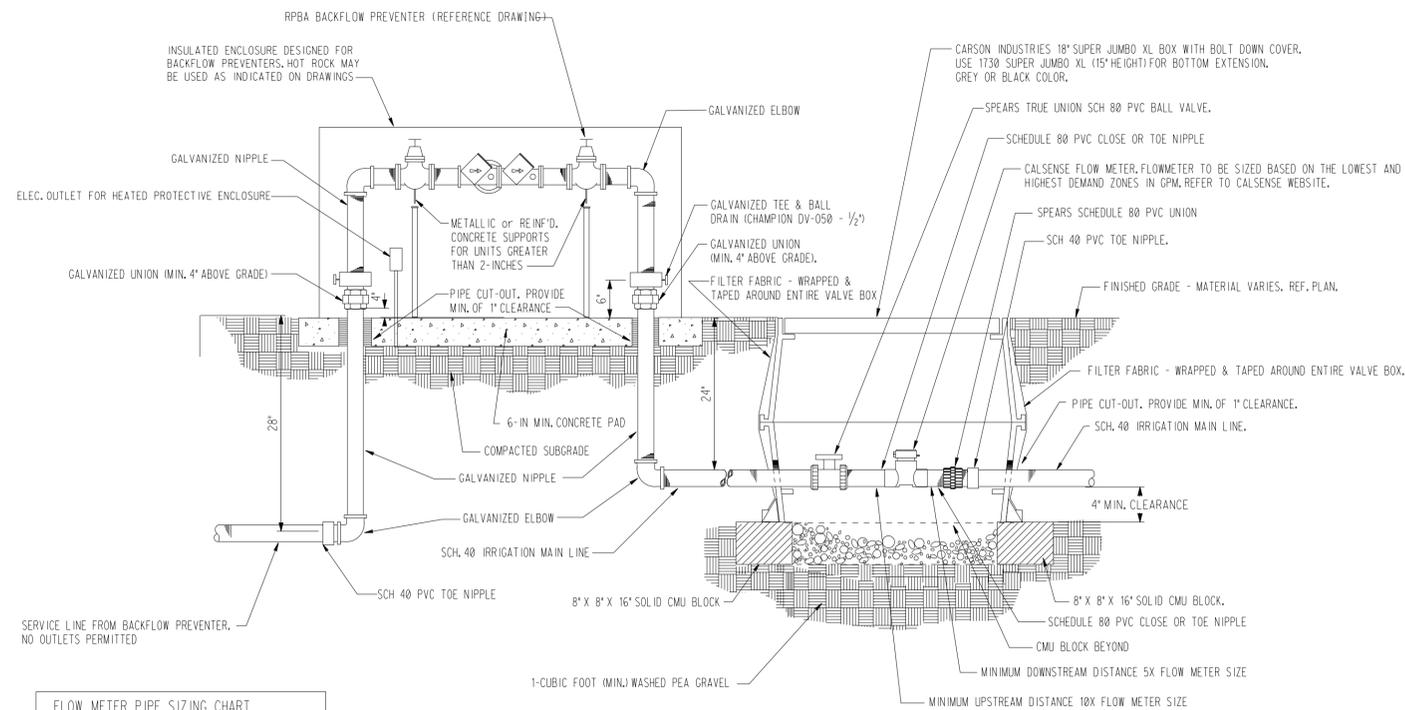
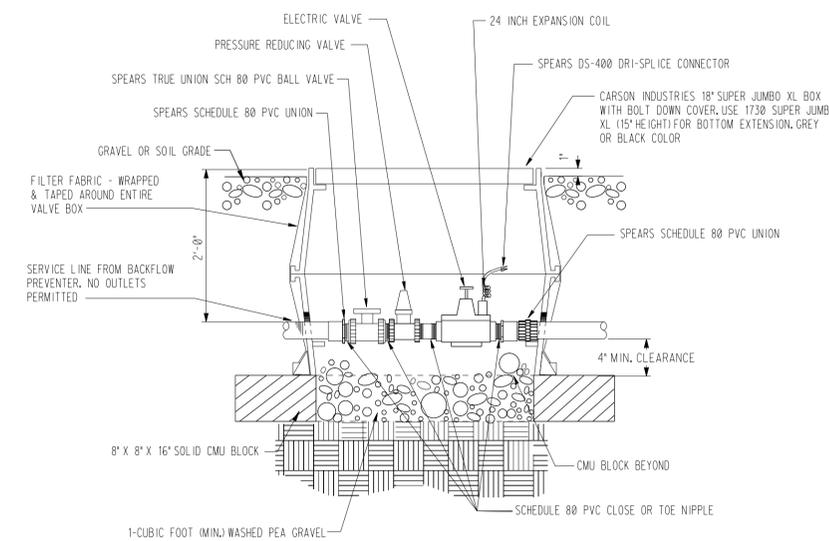


GENERAL NOTES

1. RPBA INSTALLATION: HORIZONTAL & ABOVE GRADE INSTALLATION REQUIRED.
2. WATER LINE PRESSURE AND TEMP. MUST NOT EXCEED RATED CAPACITY OF RPBA.
3. PROTECT FROM FREEZING WITH POSITIVE HEAT SOURCE AND INSULATION.
4. MINIMUM RPBA SIZE MUST BE THE BUILDING SERVICE LINE SIZE.
5. DO NOT INSTALL IN FLOOD PRONE AREAS.
6. INSTALL WATER HAMMER ARRESTORS AND THERMAL EXPANSION PROTECTION AS NECESSARY.
7. METALLIC RISER PIPING REQUIRED.
8. JOINTS TO BE ADEQUATELY RESTRAINED.
9. DEVIATION FROM THESE SPECIFICATIONS MUST HAVE PRIOR WRITTEN APPROVAL FROM THE SCO.
10. CONCRETE MOW STRIP SHALL BE INSTALLED AROUND THE ENTIRE PERIMETER OF THE MASTER VALVE AND RPBA ASSEMBLY. MOW STRIP SHALL BE A MIN. OF 12" FROM PIPING AND VALVE BOX- OPTIONAL DEPENDING ON APPLICATION.
11. INSTALL CALSENSE CONTROLLER SYSTEM PER "CALSENSE DESIGNERS GUIDE" AT http://calsense.com/designers_guide.pdf.



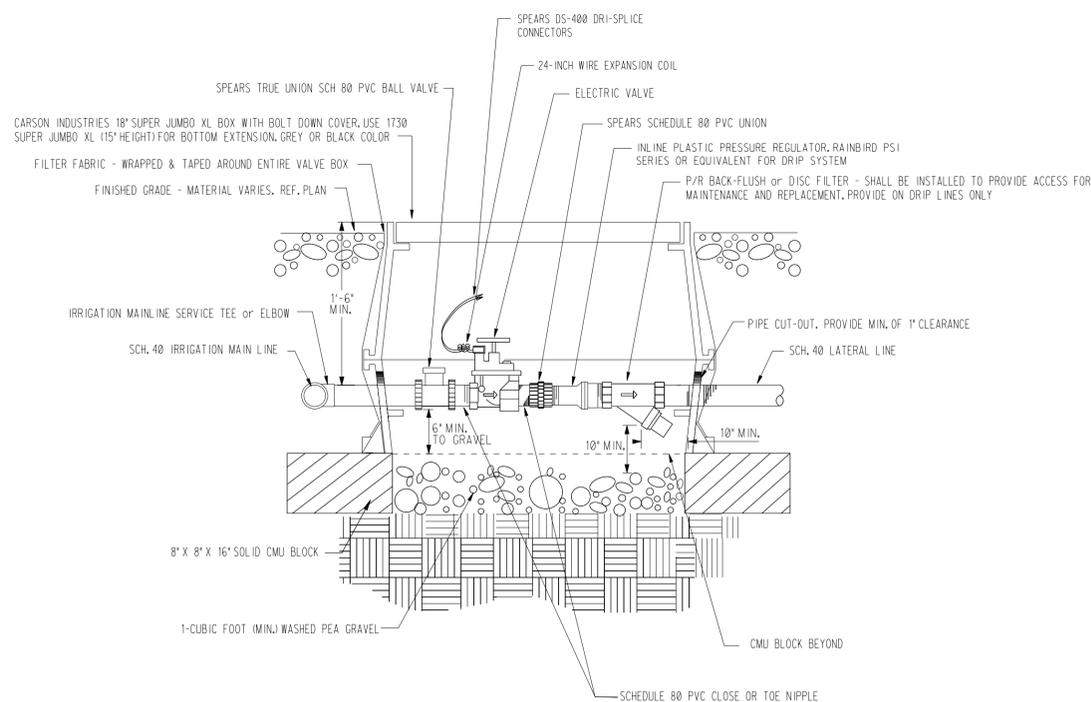
1 CALSENSE FLOW METER WITH RPBA SCALE: NOT TO SCALE



2 IRRIGATION MASTER VALVE SCALE: NOT TO SCALE

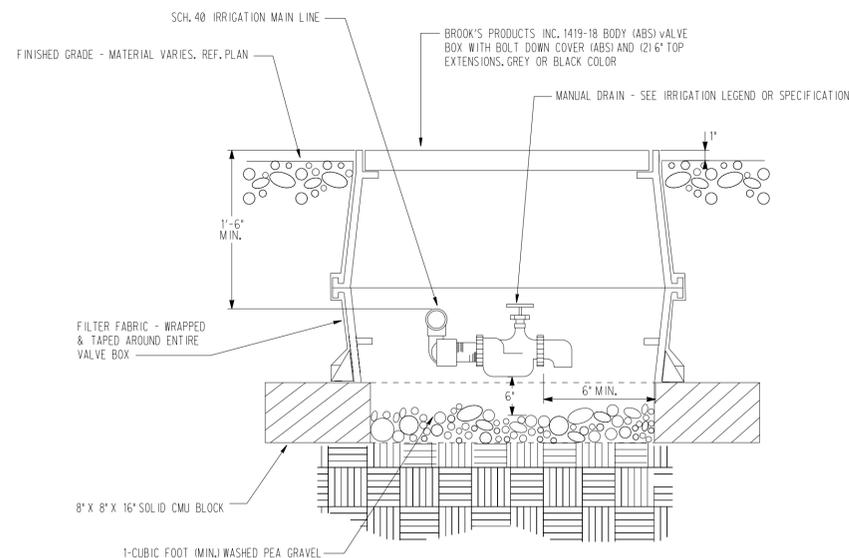
FLOW METER PIPE SIZING CHART

FLOW METER SIZE	UPSTREAM LENGTH	DOWNSTREAM LENGTH
1"	10'	5'
1.25"	12.5'	6.25'
1.5"	15'	7.5'
2"	20'	10'
3"	30'	15'



3 DRIP VALVE & FILTER ASSEMBLY
AUTOMATIC VALVE ASSEMBLY SCALE: NOT TO SCALE

FOR STANDARD AUTOMATIC VALVE ASSEMBLY, DELETE FILTER & INLINE PRESSURE REGULATOR.



4 MANUAL DRAIN VALVE SCALE: NOT TO SCALE

NOTE: CONTRACTOR SHALL FIELD LOCATE AND INSTALL AT LOW POINT OF MAIN LINE.

P.O. PROJECT NO.	REV	DATE	DESCRIPTION	DWN	CKD	APP
		11/07	ADDED DETAILS AND REORGANIZED SHEETS	PES		SK
U.S. DEPARTMENT OF ENERGY NNSA/SANDIA SITE OFFICE ALBUQUERQUE, NEW MEXICO						
SANDIA NATIONAL LABORATORIES						
Irrigation Details						P.O.
						PROJECT NO.
						DRAWN BY
						CHECKED BY
						SNL ENGR
DISCIP: L	SUB-DISCIP: P	STD	DATE	11/30/2006	SEC.	
OLD FILENAME: LP5001STD.DGN FILENAME: LP5001STD.dgn						SIZE DRAWING NO D+ LP5001STD.DGN

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