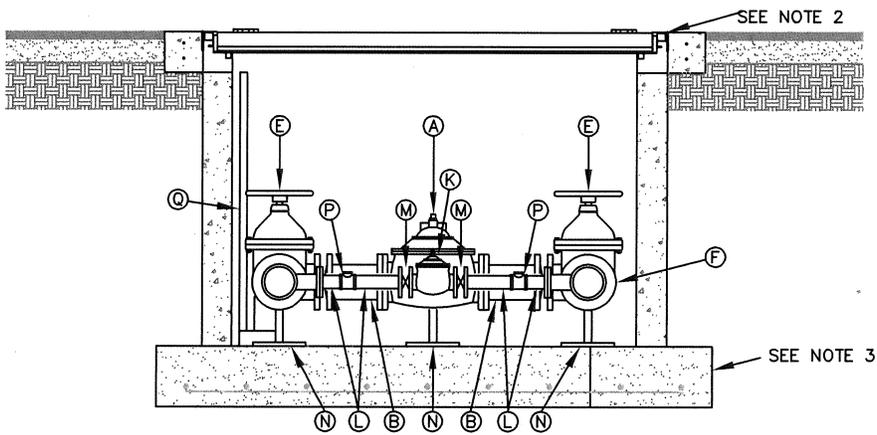
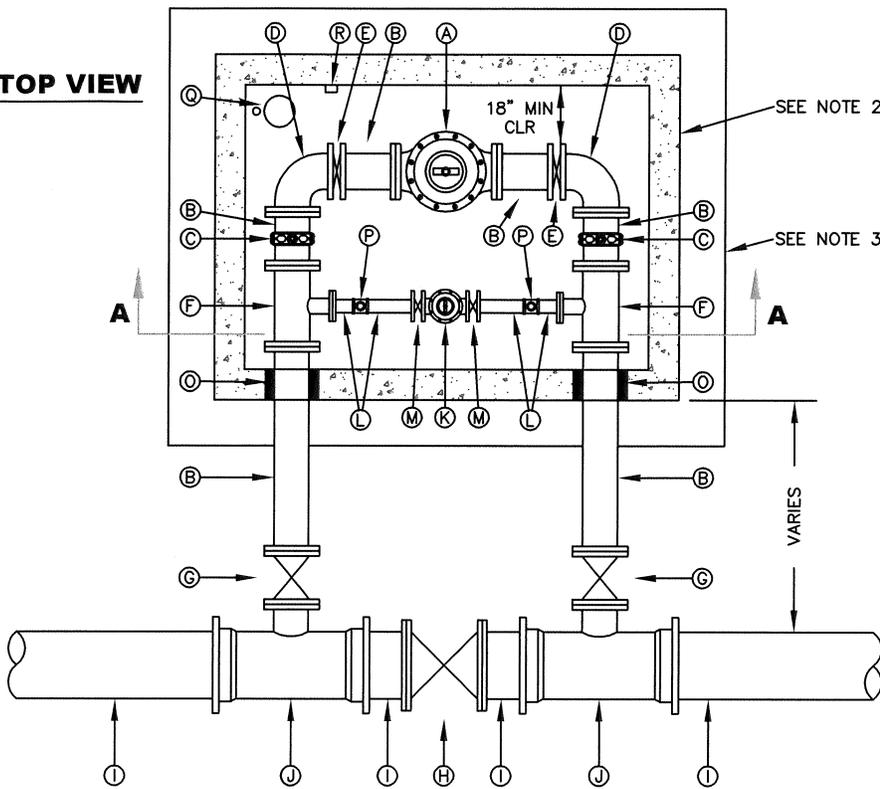


TOP VIEW



SECTION A-A

ITEM CALL OUT:

- A. FLANGED PRESSURE REDUCING VALVE WITH SURGE RELIEF PILOT FOR HIGH FLOWS.
- B. FLANGED DUCTILE IRON SPOOL.
- C. TAPPING SADDLE WITH CORPORATION STOP, BRONZE TEE, AND 3/4 INCH PLUGS.
- D. FLANGED 90° BEND.
- E. BUTTERFLY VALVE.
- F. FLANGED REDUCING TEE.
- G. FLANGED GATE VALVE WITH VALVE BONNET BOX AND COVER.
- H. GATE VALVE (CLOSED) SIZE AS SPECIFIED, WITH VALVE BONNET BOX, COVER, AND STAR NUT.
- I. MAINLINE, SIZE AS SPECIFIED.
- J. MECHANICAL JOINT REDUCING TEE WITH FLANGED BRANCH, MAINLINE SIZE AND BRANCH SIZE AS SPECIFIED.
- K. FLANGED PRESSURE REDUCING VALVE WITH SURGE RELIEF PILOT FOR LOW FLOWS.
- L. FLANGED BRASS OR DUCTILE IRON SPOOL.
- M. BUTTERFLY VALVE.
- N. VALVES INSTALLED WITH PIPE SUPPORTS AS REQUIRED.
- O. WALL SLEEVES AND RUBBER SEAL.
- P. TAPPING SADDLE WITH CORPORATION STOP, BRONZE TEE, AND 3/4 INCH PLUGS.
- Q. SUMP PUMP AND PIPING. SEE NOTES 4, 5, AND 6.
- R. ELECTRICAL OUTLET. SEE NOTE 9.

NOTES:

1. INSTALLATION SHALL GENERALLY BE FOR A MAIN-LINE 12 INCH AND SMALLER. INSTALLATION OF OTHER SIZED VALVES IS SIMILAR.
2. VALVE VAULT LID SHALL BE A HYDRAULICALLY ASSISTED DOUBLE LEAF H-20 ALUMINUM COVER. VALVE VAULT SHALL BE BY JENSEN PRECAST OR APPROVED EQUAL. VAULT DIMENSIONS SHALL BE SIZED APPROPRIATELY TO ACCOMMODATE ALL APPURTENANCES AND MUST BE APPROVED BY THE CITY'S WATER OPERATIONS DIVISION.
3. CONCRETE FOOTING SHALL EXTEND 12 INCH MINIMUM ON ALL SIDES OF VALVE VAULT WALLS. FOOTING SHALL BE CONSTRUCTED WITH No.5 REBAR AT 12 INCH ON CENTER EACH WAY.
4. SUMP PUMP SHALL BE BY DAYTON PUMPS OR CITY APPROVED EQUAL.
5. FLOOR SHALL BE SLOPED TOWARDS SUMP PUMP DRAIN.
6. SUMP PUMP SHALL BE 12 INCH DIAMETER AND BE PARTIALLY FILLED WITH 1/2 INCH DRAIN ROCK. THE DRAIN PIPING SHALL BE PVC HARD PLUMBED TO THE TOP OF THE VAULT CORNER WITH MALE QUICK CONNECTION.
7. VAULT FLOOR SHALL NOT EXCEED 6 FEET IN DEPTH UNLESS APPROVED BY THE CITY ENGINEER.
8. A VERTICAL FIBERGLASS LADDER SHALL BE INSTALLED IN POWDER COATED SAFETY YELLOW WITH NON-SLIP LADDER RUNGS AND WITH A LADDER-UP SAFETY POST, AS MANUFACTURED BY BILCO OR CITY APPROVED EQUAL. LOCATION OF LADDER SHALL BE AS APPROVED BY CITY ENGINEER.
9. ELECTRICAL OUTLET SHALL BE INSTALLED IN PRV VAULT IF FEASIBLE. CONSULT CITY ENGINEER REGARDING IF THIS REQUIREMENT CAN BE WAIVED.

BYPASS PRESSURE REDUCING VALVE VAULT DETAIL



[Signature]
APPROVED BY:

DATE : DEC 2014
REVISED : -

DWG. **29B**