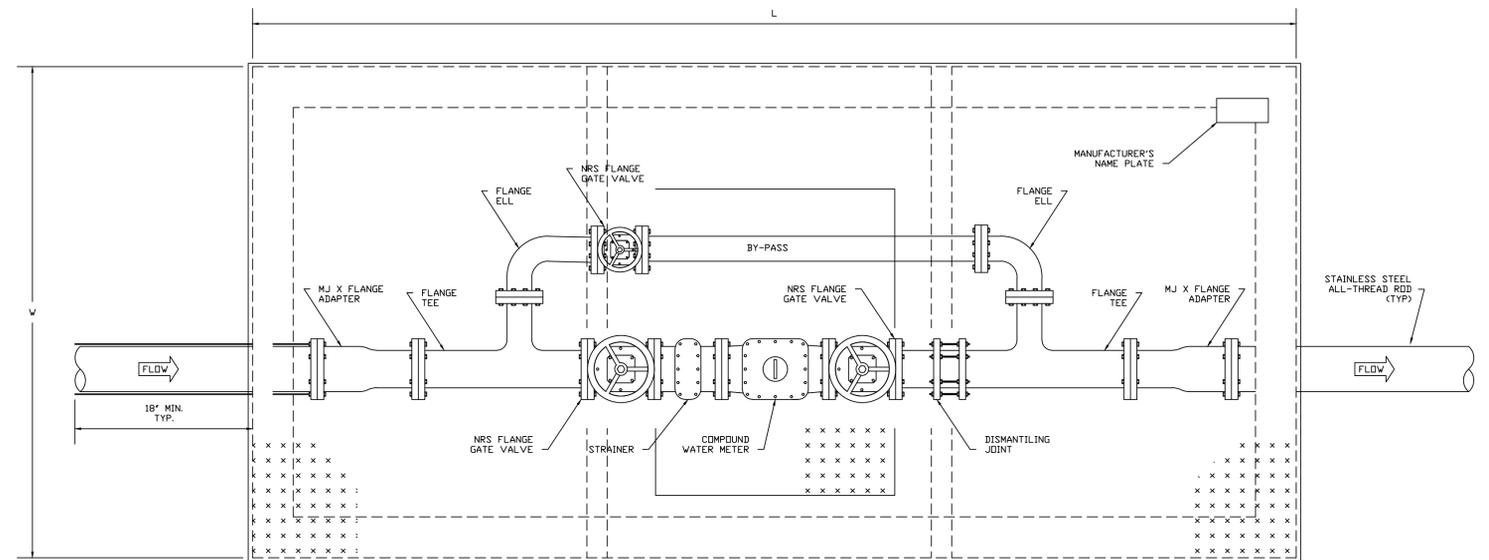
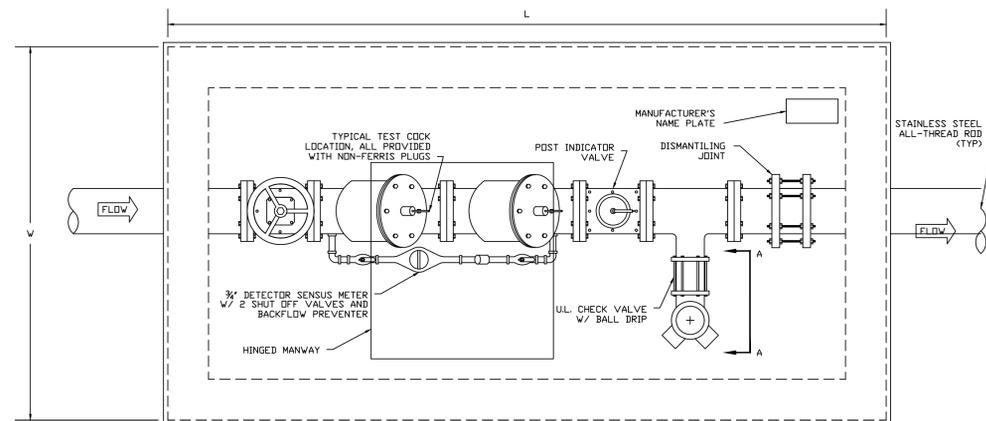


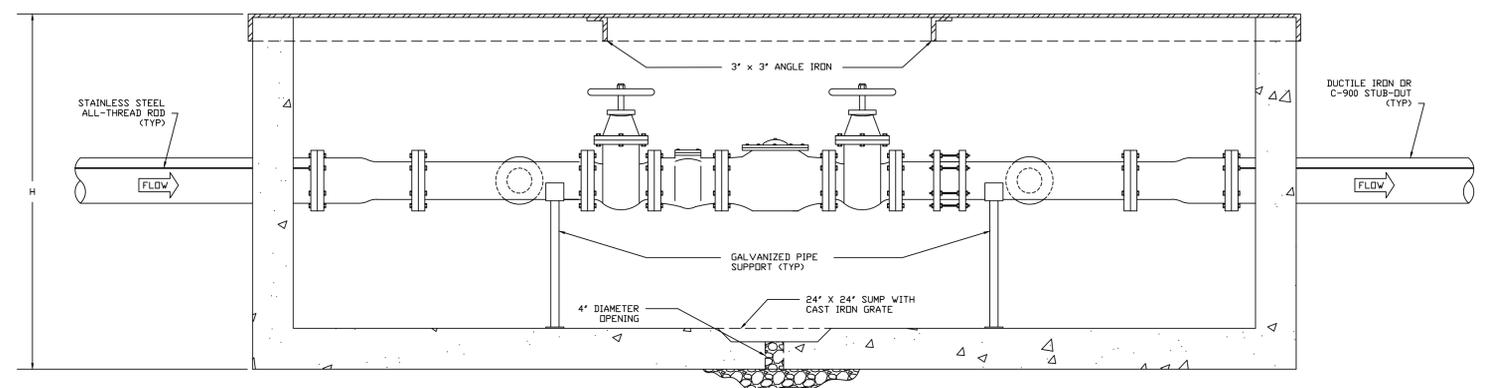
PROFILE  
PLAN  
WATER SERVICE CONNECTIONS



PLAN



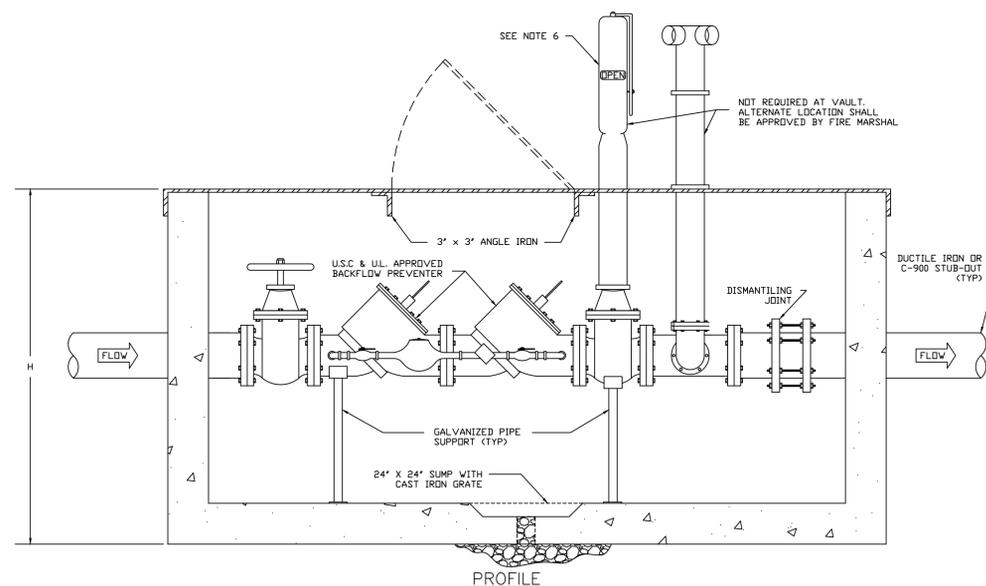
PLAN



PROFILE

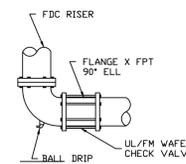
METER VAULT DIMENSIONS				
PIPE SIZE	BY-PASS SIZE	L	V	H
3"	2"	8'-8"	4'-8"	4'-0"
4"	2"	8'-8"	4'-8"	4'-0"
6"	3"	8'-8"	4'-8"	4'-0"
8"	4"	11'-0"	11'-0"	4'-6"
10"	6"	11'-0"	11'-0"	4'-6"

METER VAULT



PROFILE

BACKFLOW PREVENTER WITH OPTIONAL FDC/PIV IN VAULT



SECTION A-A

BACKFLOW PREVENTER W/ FDC AND PIV VAULT DIMENSIONS			
PIPE SIZE	L	V	H
4"	7'-10"	4'-4"	5'-6"
6"	7'-10"	4'-4"	5'-6"
8"	8'-8"	5'-0"	5'-6"
10"	9'-0"	6'-0"	6'-6"

METER AND VAULT CONSTRUCTION NOTES

- CLASS 1 CONCRETE WITH A DESIGN STRENGTH OF 4500 PSI AT 28 DAYS.
- REINFORCING STEEL SHALL BE GRADE 60, CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.
- COVER SHALL BE GALVANIZED STEEL SKID-RESISTANT FLOOR PLATE, WELDED TO 3" X 3" ANGLE SUPPORTS (300 PSF).
- VAULTS SHALL BE SET ON SIX (6) INCH BED OF GRAVEL FOR POSITIVE DRAINING.
- ALL BOLTS, NUTS, AND WASHERS SHALL BE MADE OF 316 STAINLESS STEEL.
- ALL VALVES CONTROLLING THE WATER SUPPLY FOR AN AUTOMATIC SPRINKLER SYSTEM SHALL BE ELECTRICALLY SUPERVISED AT THE FIRE ALARM CONTROL PANEL.

METER AND VAULT STANDARD DETAILS



ENGINEERING DEPARTMENT

FILE NAME:  
6-MVSD-2022.DWG

DATE APPROVED: MARCH 30, 2022  
SCALE: NTS REVISED DATE: MARCH 2022

PROJECT NUMBER: DATE SUBMITTED: SHEET:  
1 OF 1