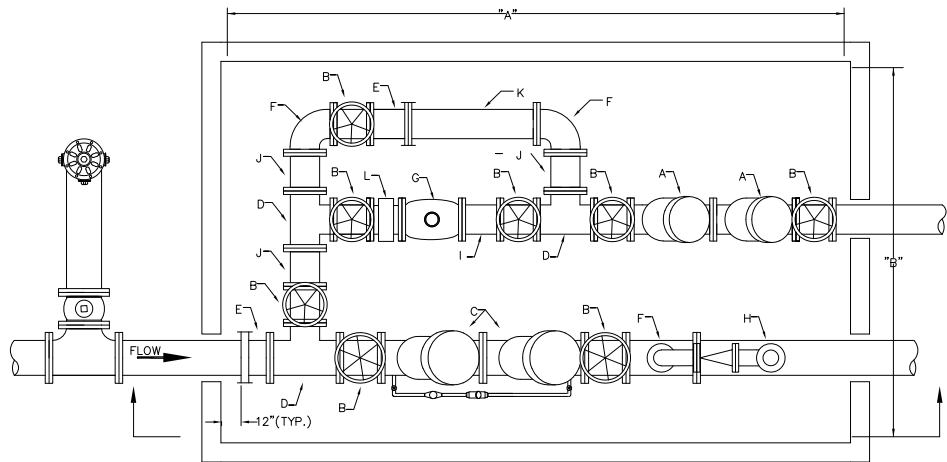
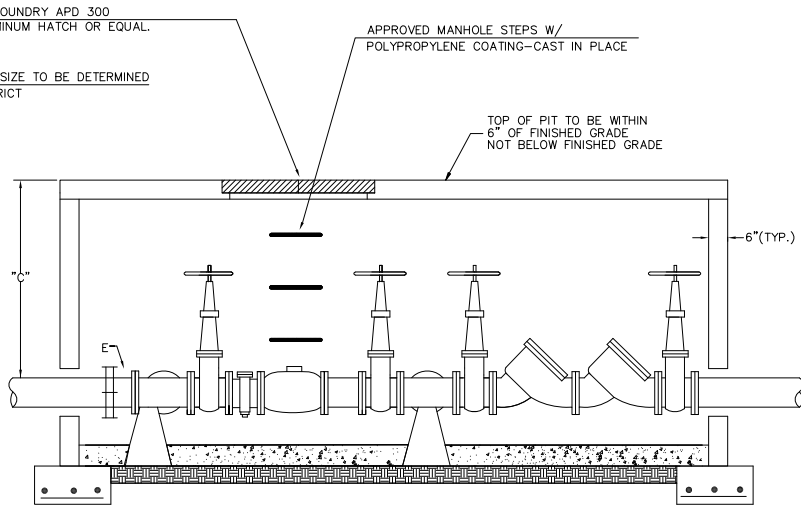


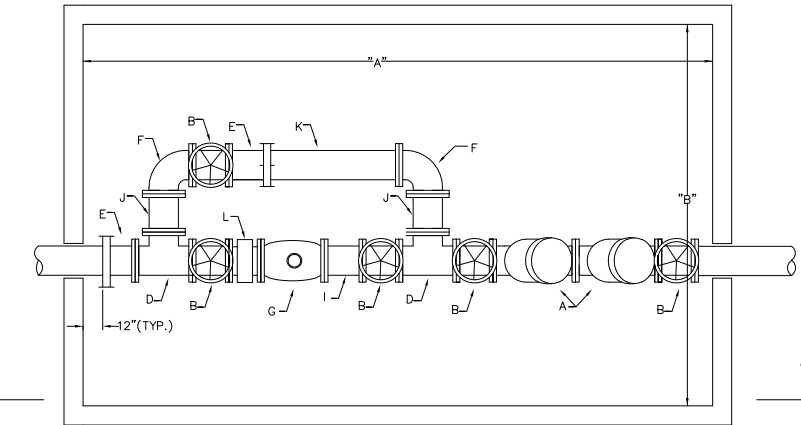
SECTION B-B



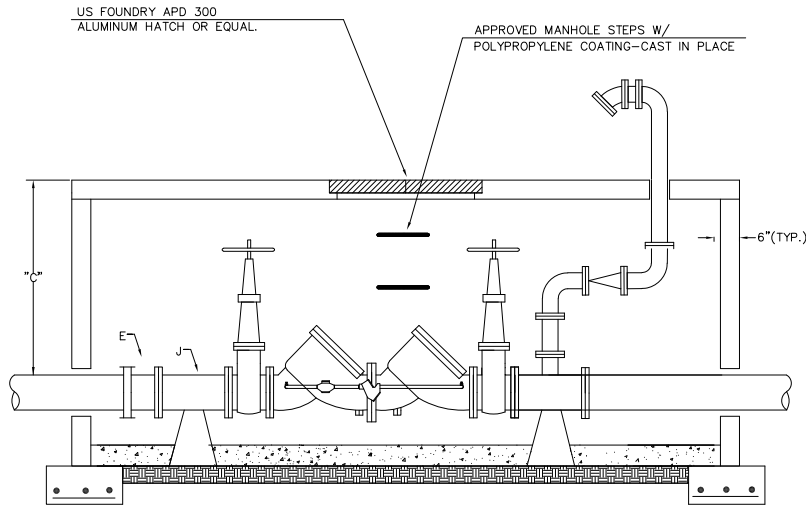
METER AND BACKFLOW PREVENTER VAULT



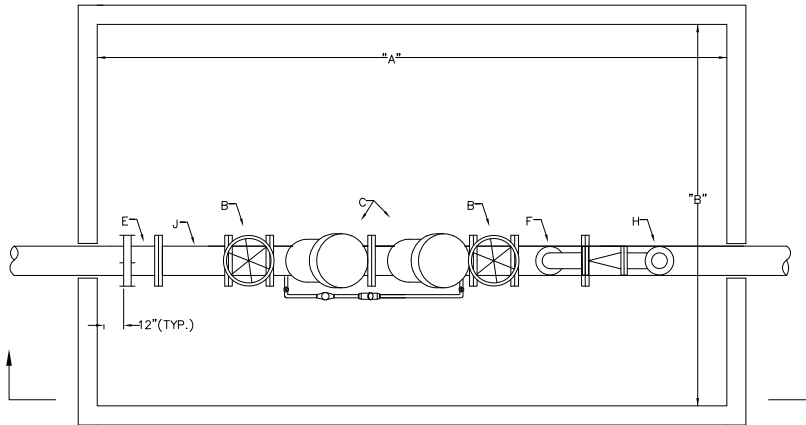
SECTION B-B



METER VAULT



SECTION B-B



BACKFLOW PREVENTER VAULT

LEGEND

- A. DOUBLE CHECK VALVE ASSEMBLY.
- B. OS&Y RESILIENT SEAT GATE VALVE (FLG X FLG WITH HAND WHEEL OPERATOR) AS MANUFACTURED BY MUELLER, US PIPE, AND AMERICAN FLOW CONTROL.
- C. DOUBLE CHECK VALVE ASSEMBLY WITH DETECTOR CHECK.
- D. DUCTILE IRON FLG TEE.
- E. FLG COUPLING ADAPTOR.
- F. DUCTILE IRON 90° BEND.
- G. METER (PROVIDED AT COST BY GREER CPW).
- H. FIRE DEPARTMENT CONNECTION (AS REQUIRED BY LOCAL FIRE DEPARTMENT).
- I. DUCTILE IRON PIPE FLG X FLG 12" LENGTH.
- J. DUCTILE IRON PIPE FLG X FLG 12" LENGTH.
- K. DUCTILE IRON PIPE FLG X P.E. LENGTH AS REQUIRED.
- L. STRAINER (PROVIDED AT COST BY GREER CPW).

(NOTE: ALL MATERIAL PER GREER CPW SPECS)

NOTES

1. VAULT SHALL BE IN NON TRAFFIC AREA OUTSIDE OF ROAD RIGHT-OF-WAY, COMPLETELY ON THE CUSTOMERS PROPERTY. VAULT OWNERSHIP AND MAINTENANCE IS THE RESPONSIBILITY OF THE CUSTOMER / PROPERTY OWNER.
2. VAULT TO BE PRECAST CONCRETE OR POURED IN PLACE. PRECAST CONCRETE VAULT TO BE MST, TINDALL, OR EQUAL (UPON APPROVAL).
3. CONCRETE SHALL BE 3000 PSI, 28 DAY COMPRESSIVE STRENGTH, MINIMUM.
4. REINFORCING STEEL IN TOP SLAB AND WALLS SHALL BE #5 REBAR AT 12" O.C. EACH DIRECTION. REINFORCING STEEL SHALL BE GRADE 60.
5. VAULT SHALL NOT BE LOCATED IN AN AREA SUBJECT TO GROUND WATER RUNOFF, STORM DRAIN COLLECTION AND DISCHARGE, OR AREAS PRONE TO CONSTANT WATER INFILTRATION. VAULT SHALL BE ABLE TO DRAIN BY GRAVITY OR BY ALTERNATE MEANS. PIPING SHALL NOT BE SUBMERGED.
6. HATCH DOOR TO BE LOCATED OVER METER AND STRAINER FOR EASE OF REMOVAL.
7. HYDRANT ASSEMBLY TO BE INSTALLED PRIOR TO VAULT WHEN FIRE DEPARTMENT CONNECTION IS REQUIRED.
8. ALL BACKFLOW PREVENTION DEVICES SHALL BE SELECTED FROM THE SC DHEC LIST OF APPROVED DEVICES AND APPROVED BY GREER CPW .
9. FOR HIGH HEALTH HAZARD LOCATIONS, A REDUCED PRESSURE TYPE BACKFLOW PREVENTION DEVICE SHALL BE USED. REDUCED PRESSURE DEVICE MUST BE LOCATED ABOVE GRADE OR IN VAULT WITH ACCEPTABLE DRAINAGE.
10. A METER TRANSPONDER WILL BE INSTALLED BY GREER CPW WHEN A DETECTOR CHECK IS PART OF THE BACKFLOW ASSEMBLY.
11. ALL BACKFLOW PREVENTION DEVICES MUST BE SUCCESSFULLY TESTED PRIOR TO FINAL ACCEPTANCE BY GREER CPW.
12. SERVICE WILL NOT BE TURNED ON UNTIL AN AGREEMENT IS EXECUTED BETWEEN THE OWNER AND GREER CPW, AND THE VAULT IS COMPLETED AND ACCEPTED BY THE GREER CPW INSPECTOR.

V-1

LINE SIZE	A	B	C	DOOR SIZE
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
6	13'-0"	9'-0"	4'-11"	4' X 4' DBL. DR.
8	13'-0"	9'-0"	4'-10"	4' X 4' "
10	16'-6"	9'-0"	4'-9"	5' X 5' "
12	16'-6"	9'-0"	4'-8"	5' X 5' "

MINIMUM INSIDE DIMENSION

V-2

LINE SIZE	A	B	C	DOOR SIZE
2	11'-0"	5'-0"	5'-0"	4' X 4' DBL. DR.
3	12'-0"	6'-0"	5'-0"	4' X 4' " "
4	13'-0"	6'-0"	5'-0"	4' X 4' " "
6	13'-0"	6'-0"	4'-11"	4' X 4' " "
8	*	*	*	4' X 4' " "
10	*	*	*	5' X 5' " "
12	*	*	*	5' X 5' " "

MINIMUM INSIDE DIMENSION
* AS NEEDED PER JOB

V-3

LINE SIZE	A	B	C	DOOR SIZE
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
6	8'-0"	6'-0"	4'-11"	4' X 4' DBL. DR.
8	8'-0"	6'-0"	4'-10"	4' X 4' " "
10	10'-0"	6'-0"	4'-9"	5' X 5' " "
12	10'-0"	6'-0"	4'-8"	5' X 5' " "

MINIMUM INSIDE DIMENSION

GREER COMMISSION OF PUBLIC WORKS

METER AND BACKFLOW PREVENTER VAULT DETAIL

APPROVED BY:

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SCALE:

NTS



DATE:

FEBRUARY 2021

REVISED:

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DRAWING NO.

W-16