

METER AND BACKFLOW PREVENTER VAULT

METER VAULT

BACKFLOW PREVENTER VAULT

- LEGEND**
- A. DOUBLE CHECK VALVE ASSEMBLY.
 - B. OSAKY 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. DOUCTLE IRON FLG TEE.
 - E. FLG COUPLING ADAPTOR.
 - F. DOUCTLE IRON 90° BEND.
 - G. METER (PROVIDED AT COST BY SJWD ALONG WITH ALL ELECTRONICS).
 - H. FIRE DEPARTMENT CONNECTION (AS REQUIRED BY LOCAL FIRE DEPARTMENT).
 - I. DOUCTLE IRON PIPE FLG X P.E. 12" LENGTH.
 - J. DOUCTLE IRON PIPE FLG X FLG 12" LENGTH.
 - K. DOUCTLE IRON PIPE FLG X P.E. LENGTH AS REQUIRED.
 - L. STRAINER (PROVIDED AT COST BY SJWD).
- (NOTE: ALL MATERIAL PER SJWD 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 WST, 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.
 5. EACH DIRECTION, REINFORCING STEEL SHALL BE #5 REBAR AT 12" O.C.
 6. STORM DRAIN COLLECTION AND DISCHARGE, OR AREAS PRONE TO CONSTANT WATER INFILTRATION, VAULT SHALL NOT BE SUBMERGED.
 7. ALTERNATE MEANS, PIPING SHALL NOT BE GRAVITY OR BY WATER.
 8. HIGH DOOR TO BE LOCATED OVER METER AND STRAINER FOR EASE OF REMOVAL.
 9. CONNECTIONS TO BE INSTALLED PRIOR TO VAULT WHEN FIRE DEPARTMENT CONNECTIONS ARE REQUIRED.
 10. ALL BACKFLOW PREVENTION DEVICES SHALL BE APPROVED BY S.C. DHEC AND 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.
 11. A METER TRANSDUCER WILL BE INSTALLED BY SJWD WHEN A DETECTOR CHECK IS PART OF THE BACKFLOW ASSEMBLY.
 12. ALL BACKFLOW PREVENTION DEVICES MUST BE SUCCESSFULLY TESTED PRIOR TO FINAL ACCEPTANCE BY SJWD.
 13. SERVICE WILL NOT BE TURNED ON UNTIL AN AGREEMENT IS EXECUTED BETWEEN THE OWNER AND SJWD, AND THE VAULT IS COMPLETED AND ACCEPTED BY THE SJWD 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

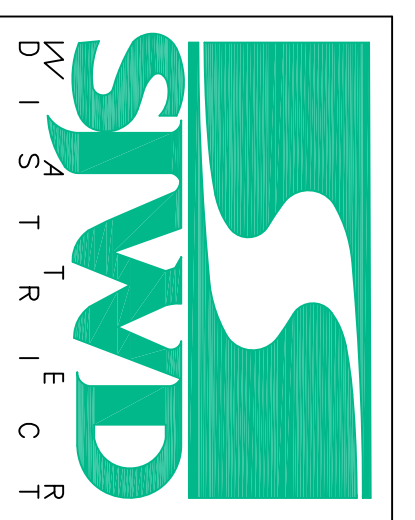
LINE SIZE	A	B	C	DOOR SIZE
2	11'-0"	5'-0"	5'-0"	4' X 4' DBL. DR.
3	12'-0"	6'-0"	5'-0"	4' X 4' "
4	13'-0"	6'-0"	5'-0"	4' X 4' "
6	15'-0"	6'-0"	4'-11"	4' X 4' "
8	*	*	*	4' X 4' "
10	*	*	*	5' X 5' "
12	*	*	*	5' X 5' "

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



SJWD WATER DISTRICT
P.O. BOX 607
LYMAN, SOUTH CAROLINA
29365
864-439-4423

PROJECT NAME
VAULT DETAIL
SEAL