NOTE:
AN ISOLATION VALVE IS REQUIRED TO SHUT OFF WATER TO THE FIRE SPRINKLER VAULT. IF A TAPPING VALVE AND SLEEVE IS USED, NO SEPARATE ISOLATION VALVE IS REQUIRED. THE ISOLATION VALVE MUST BE AN AMERICAN FLOW CONTROL SERIES 500 RESILIENT WEDGE VALVE OR EQUAL.
6" FLANGED COUPLING ADAPTOR, TYLER/UNION C153 MJxFE ADAPTER OR APPROVED EQUAL

ISOLATION VALVE WITH 2 PIECE ADJUSTABLE C.I. VALVE STACK.

INSTALL A MIN. OF TWO STAINLESS STEEL ALL-THREAD RETAINER RODS WITH FLAT WASHERS AND HEX NUTS (EACH END) RODS TO BE SAME DIA. AS FLANGE BOLTS. (THROUGH COUPLING ONLY—NOT CONNECTED TO VALVE)

PLACE 3/4" EXP. JOINT FILLER AROUND PIPE AND GROUT (EACH END.)

8"X16"X10" CONCRETE BLOCKS (GROUT AS REQUIRED TO STABILIZE)

WATER DEPT. APPROVED BACKFLOW DEVICE

6" OF 1-1/2" GRAVEL

SECTION A-A
BACKFLOW DEVICE VAULT
COVER LATCH IS TO BE LOCATED ON THE OPPOSITE SIDE OF WHERE THE LADDER IS POSITIONED.

MIN. 3'x5' BILCO ALUMINUM HATCH ASSEMBLY OR APPROVED EQUAL. IF LOCATED IN TRAFFIC AREA, HATCH ASSEMBLY MUST BE H2O TRAFFIC BEARING. HATCH ASSEMBLY CAST FLUSH WITH CONCRETE LID. HATCH IS SPRING ASSISTED FOR EASY OPENING.

LADDER MADE OF 2"x2"x1/4" ALUMINUM ANGLE

2"x1/4" LADDER SUPPORTS W/ 3/8" STAINLESS STEEL WEDGE ANCHOR BOLTS

3"x1/4" ALUMINUM STEPS WELDED TO LADDER COATED W/ SKID RESISTANT MATERIAL

14"x14" OPENING AT EACH END

1-1/2" GRAVEL

OPTION FOR DRAIN
1. INSTALL 6" OF 1/2" GRAVEL UNDER VAULT.
2. PROVIDE 6" PVC SLEEVE THRU VAULT FLOOR.

6" PVC SUMP DRAIN

GRAVEL FILL

MIN. 3000 P.S.I. CONCRETE

SECTION B-B

CONCRETE VAULT FOR 3", 4", 6" & 8"

BACKFLOW DEVICE VAULT
NOTE:

AN ISOLATION VALVE IS REQUIRED TO SHUT OFF WATER TO THE VAULT.
IF A TAPPING VALVE AND SLEEVE IS USED, NO SEPARATE ISOLATION VALVE IS REQUIRED.
THE ISOLATION VALVE MUST BE AN AMERICAN FLOW CONTROL SERIES 500 RESILIENT WEDGE VALVE OR EQUAL.
6" FLANGED COUPLING ADAPTOR, TYLER/UNION C153 MJxFE ADAPTER OR APPROVED EQUAL

ISOLATION VALVE WITH 2 PIECE ADJUSTABLE C.I. VALVE STACK.

INSTALL A MIN. OF TWO STAINLESS STEEL ALL-THREAD RETAINER RODS WITH FLAT WASHERS AND HEX NUTS (EACH END) RODS TO BE SAME DIA. AS FLANGE BOLTS. (THROUGH COUPLING ONLY—NOT CONNECTED TO VALVE)

PLACE 3/4" EXP. JOINT FILLER AROUND PIPE AND GROUT (EACH END.)

8"X16"X10" CONCRETE BLOCKS (GROUT AS REQUIRED TO STABILIZE)

WATER DEPT. APPROVED BACKFLOW DEVICE

6" OF 1-1/2" GRAVEL

6" FLANGED COUPLING ADAPTOR, TYLER/UNION C153 MJxFE ADAPTER OR APPROVED EQUAL

TWO – 1/4"X3"X3"X22" LONG STAINLESS STEEL ANGLE IRON BRACKETS. (EACH END)

SECTION A–A
BACKFLOW DEVICE VAULT