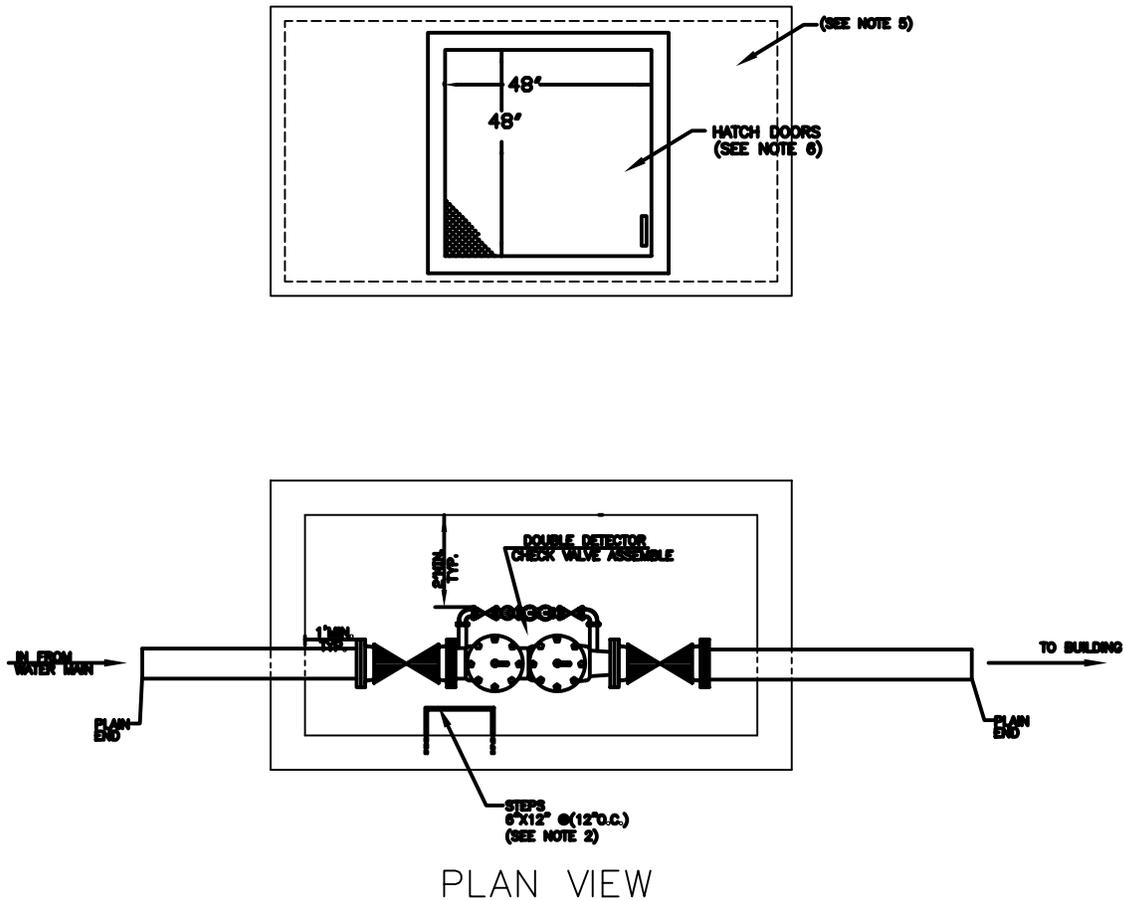


# BACKFLOW PROTECTION DETAIL



## DOUBLE DETECTOR CHECK VALVE PIT ASSEMBLY FOR FIRE PROTECTION SYSTEMS FOR 3"-12" WATER MAINS

NOT TO SCALE

### NOTES:

1. ALL PIPING MATERIAL AND APPURTENANCES TO BE D.I. PIPE WITH FLANGED ENDS.
2. ALL HATCHES MUST BE CENTERED OVER DOUBLE DETECTOR CHECK VALVE ASSEMBLY (DDCVA) AND STEPS IN ORDER TO PROVIDE ACCESS INTO PIT.
3. VAULT WALL MAY BE CONSTRUCTED OF EITHER FILLED CONCRETE MASONRY BLOCK OR REINFORCED CONCRETE AT THE DISCRETION OF THE TOWN OF LEXINGTON.
4. ALL HATCH DOORS MUST HAVE A LOCK PIN AND RETRACTABLE HANDLE.
5. LID OVER PIT AREA TO BE PRECAST REINFORCED CONCRETE OR FABRICATED STEEL, AS DETERMINED BY TOWN OF LEXINGTON ENGINEERING & PLANNING DEPARTMENT.
6. ULTIMATE RESPONSIBILITY FOR DESIGN OF METER PIT RESTS WITH DEVELOPER'S ENGINEER.
8. TOWN OF LEXINGTON WILL OPERATE AND MAINTAIN METER PIT AFTER TOWN ACCEPTANCE OF SYSTEM. OWNER'S ENGINEER MUST SUBMIT SHOP DRAWING OF METER PIT TO TOWN OF LEXINGTON ENGINEERING AND PLANNING DEPARTMENT.
9. BACKFLOW PREVENTOR TO BE A SCDHEC-APPROVED DDCVA. DDCVA TO BE INSTALLED IN SEPARATE PIT OUTSIDE OF BUILDING AS CLOSE TO RIGHT OF WAY AS POSSIBLE. DDCVA TO BE MAINTAINED BY OWNER.
10. A MINIMUM 12 INCH CLEARANCE FROM WALLS AND FLOOR IS REQUIRED.
11. A GRAVEL BOTTOM OR DRAIN HOLE IS REQUIRED.