



NOTE:

A	5'-0"
B	6'-0"(MIN)
C	12'-0"
D	13'-0"(MIN)
E	0'-6"(MIN)
F	0'-6"
H	2'-0"
J	1'-6"
L	1'-6"

1. ALL CLEARANCE DIMENSIONS ARE MINIMUMS.
2. ALL JOINTS TO BE FLANGED THROUGH OUT VAULT.
3. REINFORCED CONC. WALL WILL HAVE NO. 4 BARS 12" O.C. EACH WAY, REINFORCED STEEL WILL HAVE 2" COVER FROM INSIDE WALL.
4. REINFORCED CONCRETE LID WITH ALUMINUM DOORS, H-20 LOADING TO BE USED IN TRAFFIC SITUATIONS.
5. SUBSTITUTE MATERIALS MAY BE USED AS APPROVED BY THE ENGINEER.
6. CONCRETE TO BE A MINIMUM OF 3000 PSI.
7. OPENING IN CONCRETE WALL TO BE LARGE ENOUGH FOR FLANGE OF PIPE.
8. STEPS ARE TO BE INSTALLED IN ALL VAULTS EXCEEDING 4 FEET DEEP AT A LOCATION FOR EASE OF ACCESS.
9. WHEN MANHOLE COVERS ARE USED FOR VAULT LID, A MINIMUM OF 2 MUST BE INSTALLED.
10. ALL METERS MUST BE INSTALLED LEVEL.
11. MFM-MCT METERS MUST BE INSTALLED WITH AT LEAST 8 DIAMETERS OF STRAIGHT PIPE SAME SIZE AS METER ON INLET SIDE.
12. ALL VALVES GREATER THAN 2" SHALL BE OS&Y VALVES



DATE
8/16/04

REVISED
10/11/05

SCALE
NOT TO SCALE

DETAIL

SC-45

4" BELOW GRADE BACKFLOW AND METER ASSEMBLY (SHEET 2 OF 2)
CITY OF BURLINGTON, NORTH CAROLINA
ENGINEERING DEPARTMENT