



NOTES:

- 1-VAULT WALLS TO BE THE MIN CONCRETE THICKNESS INDICATED, REINFORCED WITH NO. 4 REBAR ON 12" CENTERS EACH WAY, PLACED 2" FROM THE INSIDE WALL THE AMOUNT OF REINFORCING AND WALL THICKNESS MAY BE INCREASED FOR EXTRA DEPTH WALLS OR IN HEAVY TRAFFIC SITUATIONS AS REQUIRED BY THE ENGINEER.
- 2-SUBSTITUTE MATERIALS MAY BE USED AS APPROVED BY THE ENGINEER.
- 3-REINFORCED CONCRETE LID WITH TRAFFIC BEARING DOORS H-20 LOADING TO BE USED IN TRAFFIC SITUATIONS.
- 4-OPENING IN CONCRETE WALL TO BE LARGE ENOUGH FOR FLANGE OF PIPE; THEN BRICKED IN.
- 5- PIPE OUTSIDE VAULT TO BE M.J. WITH RETAINER GLANDS.
- 6- ALL CLEARANCE DIMENSIONS ARE MINIMUMS.
- 7- ALL JOINTS TO BE FLANGED THROUGH OUT VAULT.
- 8- STEPS ARE TO BE INSTALLED IN ALL VAULTS EXCEEDING 4 FEET DEEP AT A LOCATION FOR EASE OF ACCESS.
- 9- CONCRETE TO BE A MINIMUM OF 3000 PSI.
- 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

INDEX		
SIZE	6" METER	8" METER
A	7'-0"	7'-8"
B	8'-0"(min)	9'-0"(min)
C	15'-0"	16'-0"
D	16'-0"(min)	17'-0"(min)
E	0'-6"(min)	0'-8"(min)
F	0'-6"(min)	0'-6"(min)
G	0'-6"	0'-6"
H	4'-0"	5'-2 5/8"
J	1'-6"	1'-6"
L	1'-6"	1'-6"



DATE 8/16/04	REVISED 10/12/05	SCALE NOT TO SCALE	DETAIL SC-47
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6 AND 8-INCH BELOW GRADE BACKFLOW AND METER ASSEMBLY (SHEET 2 OF 2)
CITY OF BURLINGTON, NORTH CAROLINA
ENGINEERING DEPARTMENT