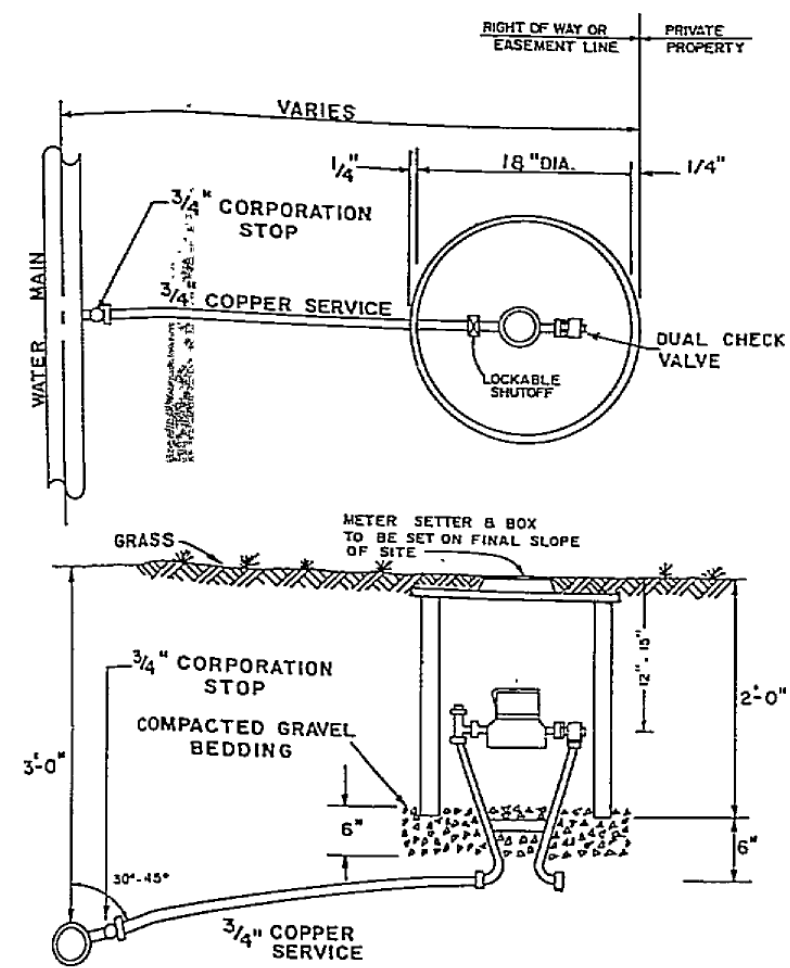
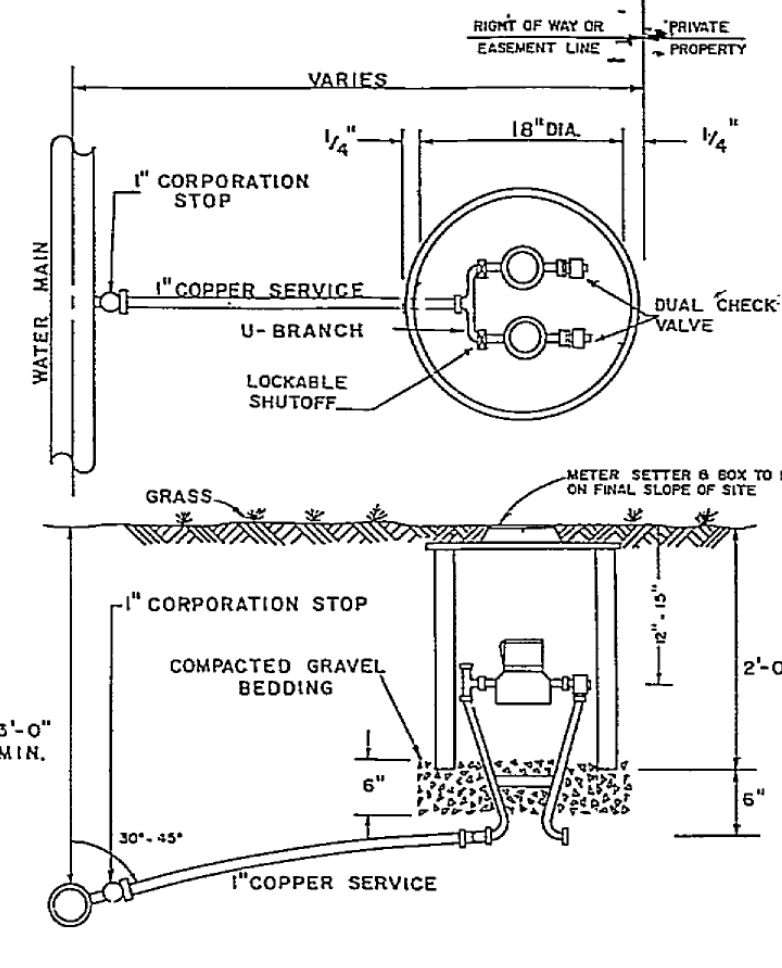
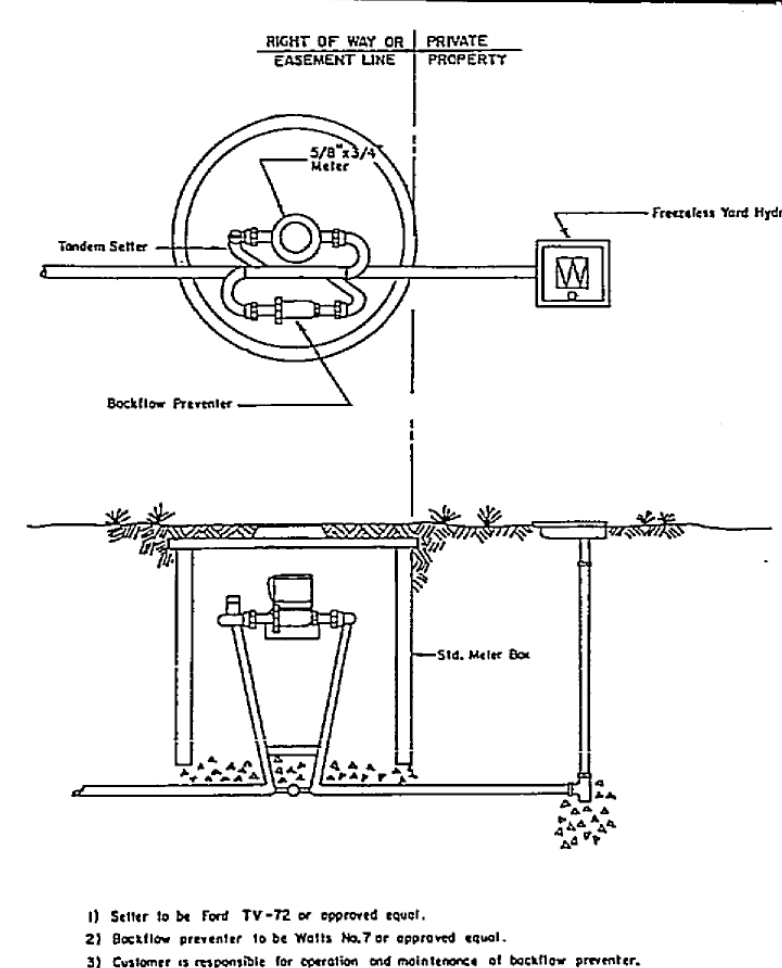




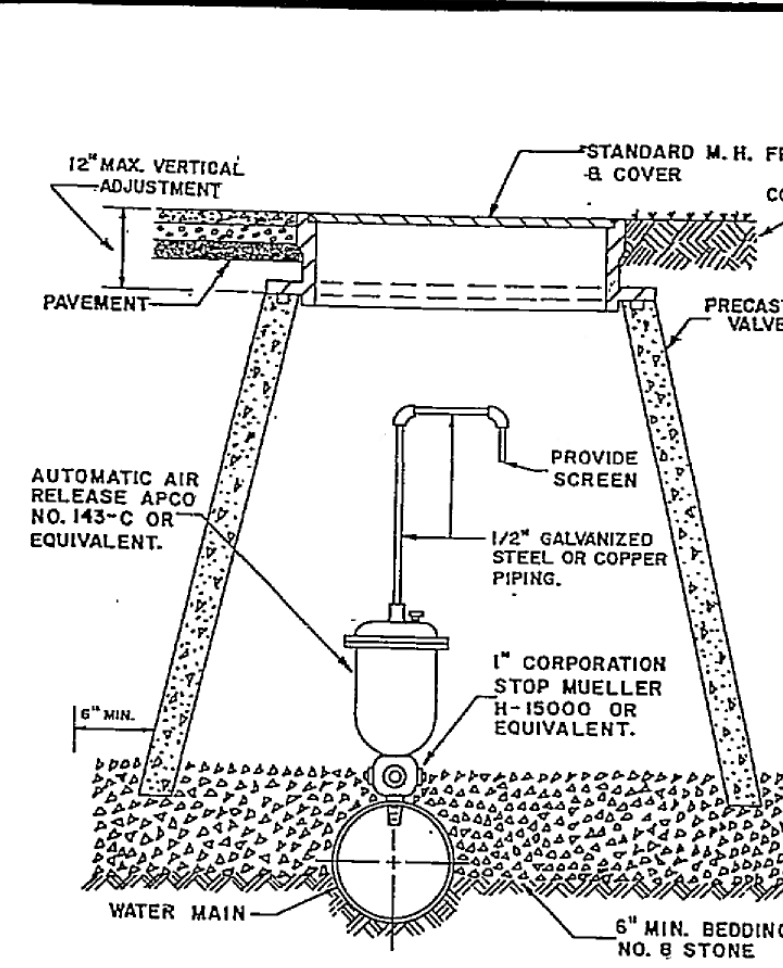
SINGLE RESIDENTIAL WATER SERVICE



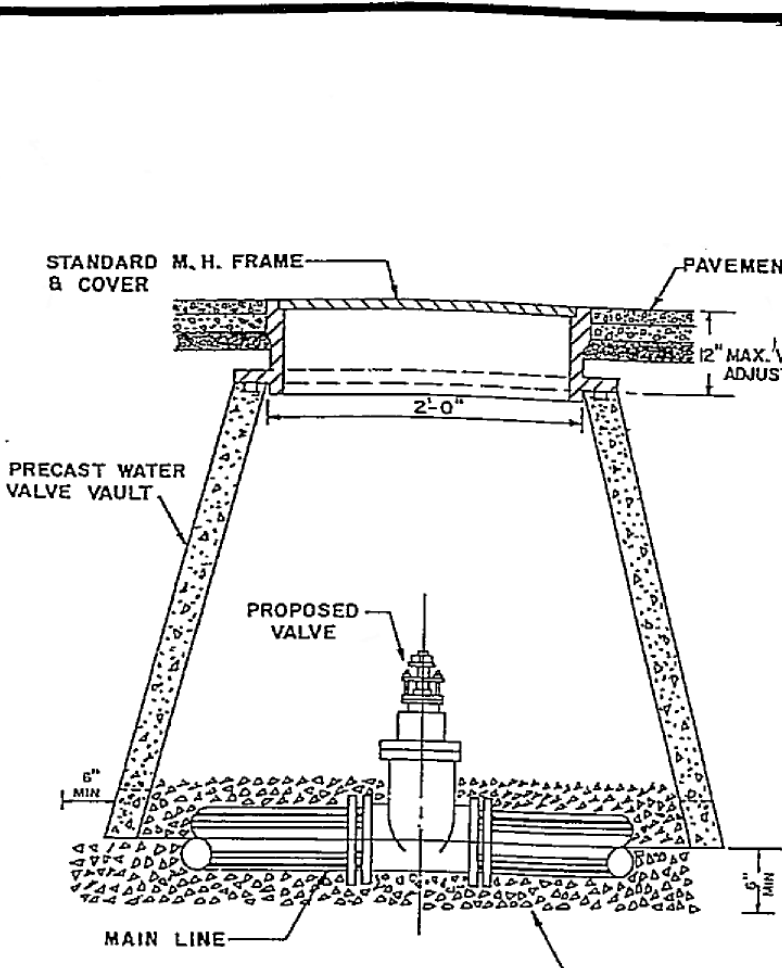
DOUBLE RESIDENTIAL WATER SERVICE



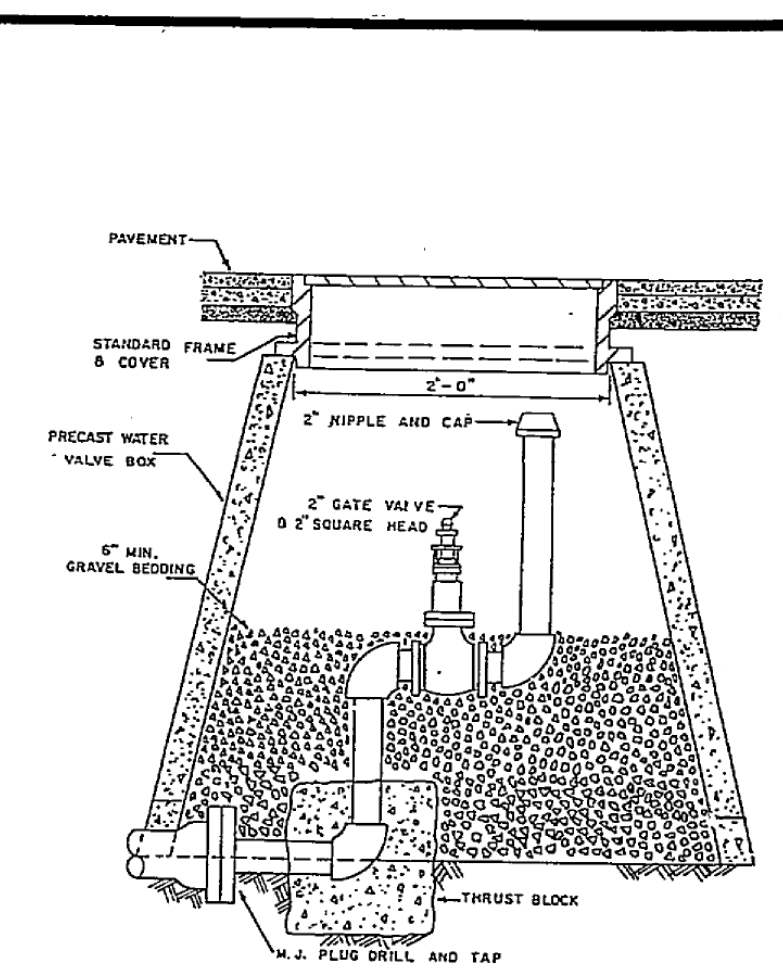
TYPICAL SPRINKLER SERVICE



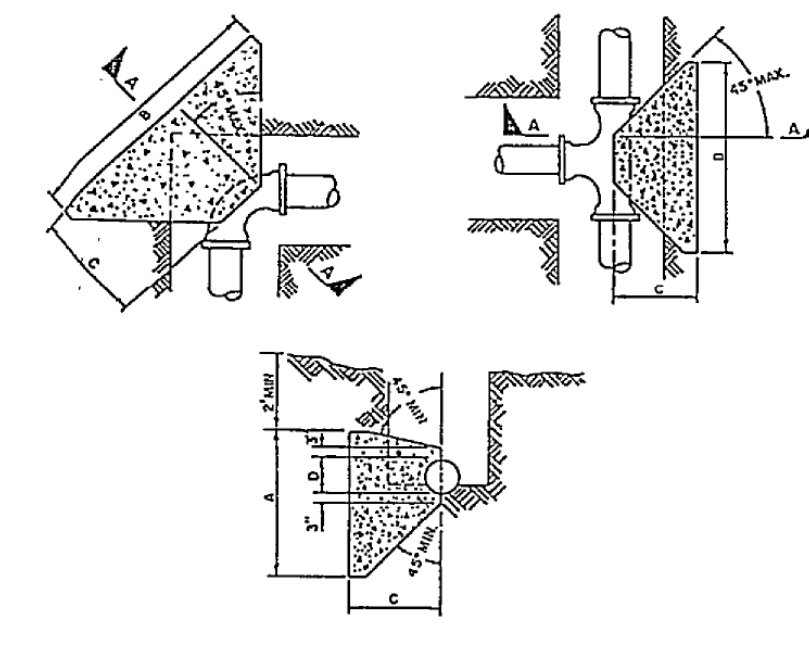
AUTOMATIC AIR RELEASE ASSEMBLY



WATER LINE VALVE INSTALLATION



PERMANENT END OF LINE

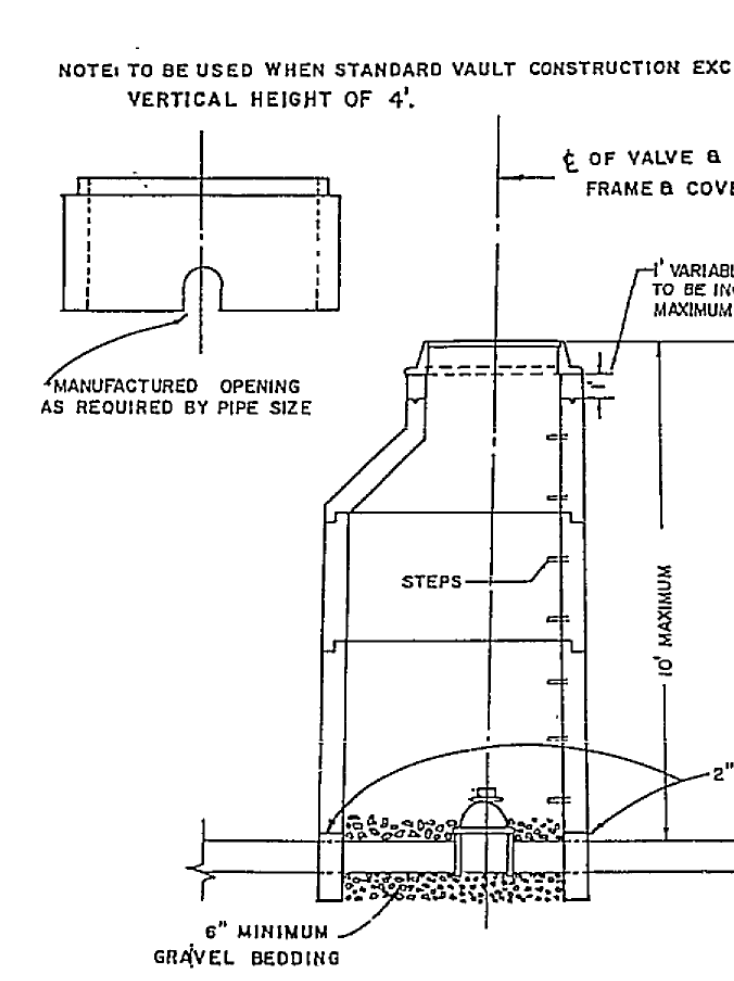


SECTION A-A

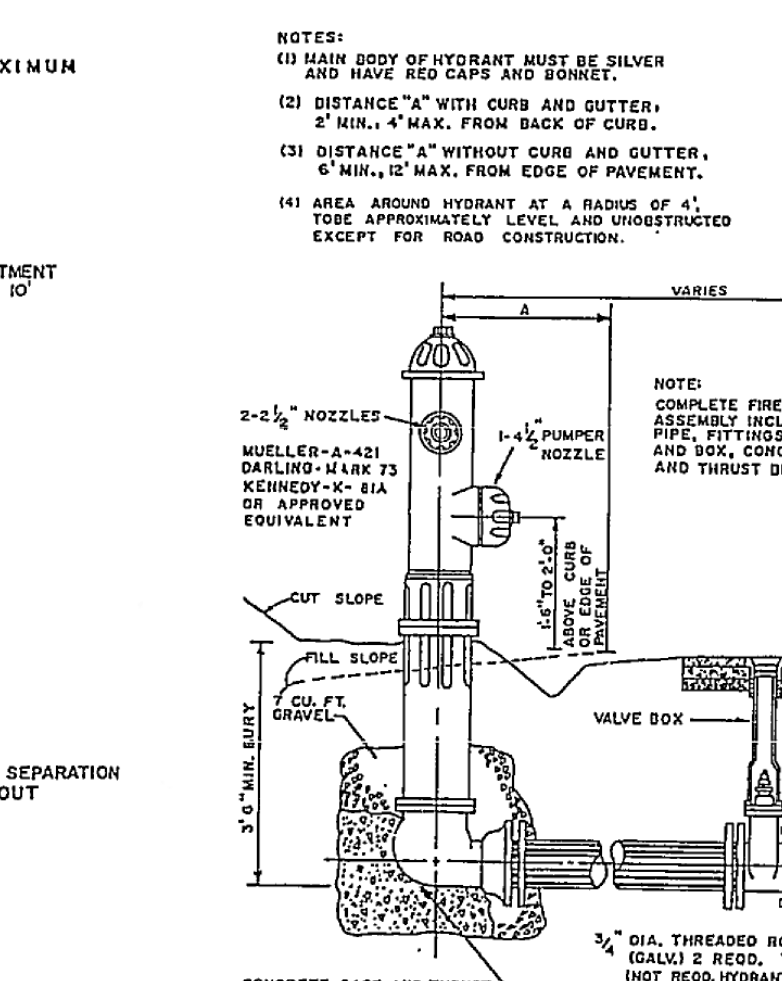
PIPE	TEE OR DEAD END	90° BEND	45° BEND	22.5° LOSS BEND
4"	1.2	1.2	1.2	1.2
6"	1.2	1.2	1.2	1.2
8"	1.2	1.2	1.2	1.2
10"	1.2	1.2	1.2	1.2
12"	1.2	1.2	1.2	1.2
14"	1.2	1.2	1.2	1.2
16"	1.2	1.2	1.2	1.2
18"	1.2	1.2	1.2	1.2
20"	1.2	1.2	1.2	1.2
22"	1.2	1.2	1.2	1.2
24"	1.2	1.2	1.2	1.2
26"	1.2	1.2	1.2	1.2
28"	1.2	1.2	1.2	1.2
30"	1.2	1.2	1.2	1.2
32"	1.2	1.2	1.2	1.2
34"	1.2	1.2	1.2	1.2
36"	1.2	1.2	1.2	1.2
38"	1.2	1.2	1.2	1.2
40"	1.2	1.2	1.2	1.2
42"	1.2	1.2	1.2	1.2
44"	1.2	1.2	1.2	1.2
46"	1.2	1.2	1.2	1.2
48"	1.2	1.2	1.2	1.2
50"	1.2	1.2	1.2	1.2

NOTES:
1. The above noted dimensions are minimum based on concrete anchor extending to undisturbed soil, water pressure not to exceed 150 psi and, minimum soil bearing capacity of 2,500 psi/satisfactory soil bearing or excess pressure will require additional design.
2. Concrete shall not be poured on joints or bolts.
3. Concrete to be minimum 1,000 psi - 28 day compressive strength.

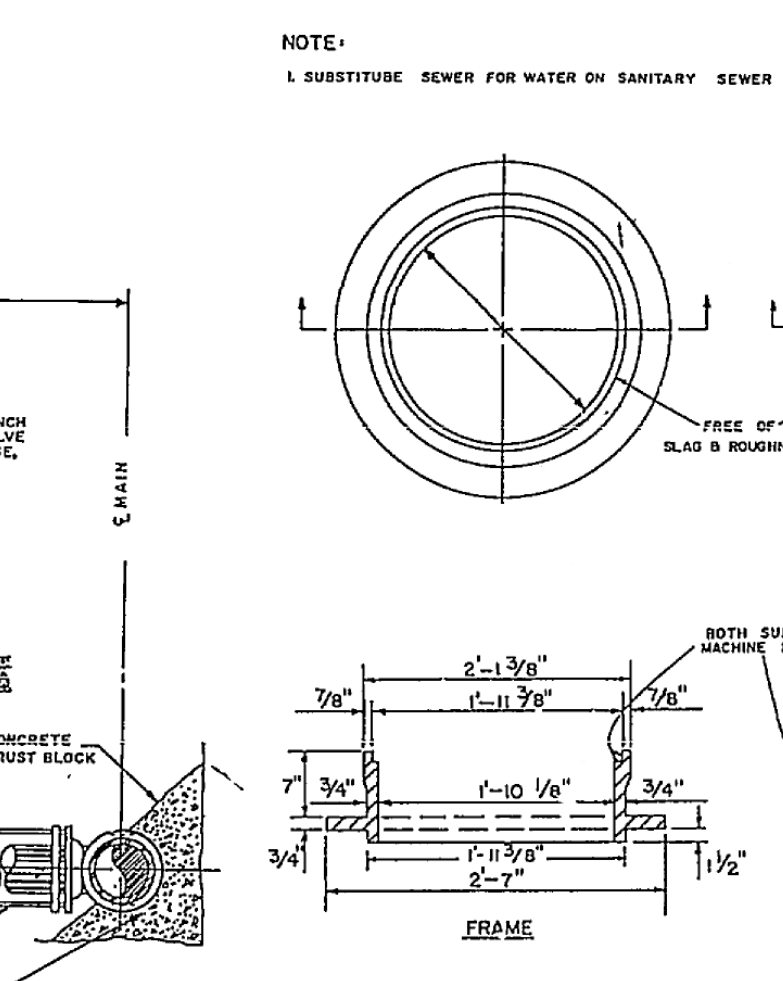
THRUST BLOCK FOR HORIZONTAL & LOWER VERTICAL BENDS



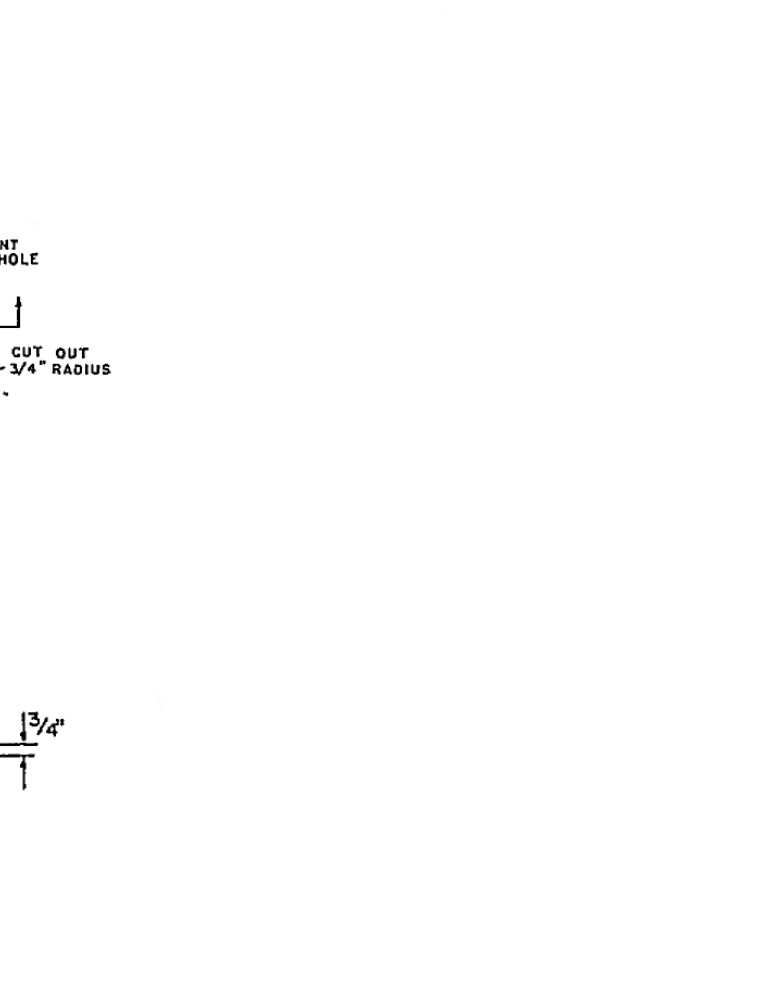
ALTERNATE VALVE VAULT (MANHOLE)



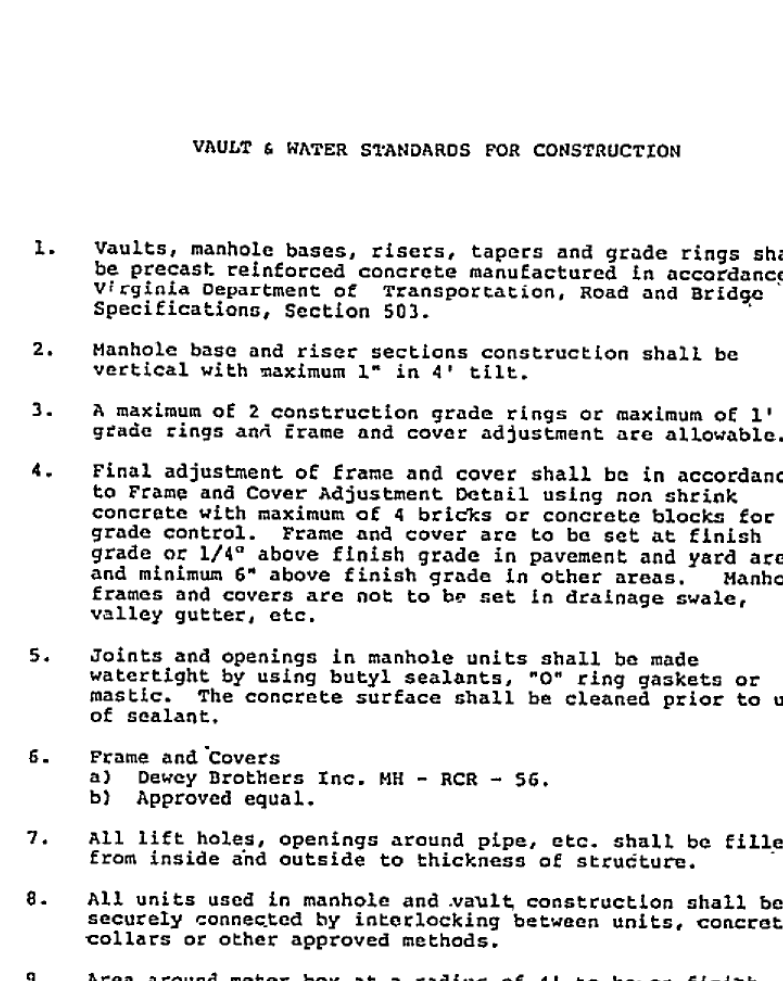
FIRE HYDRANT SETTING



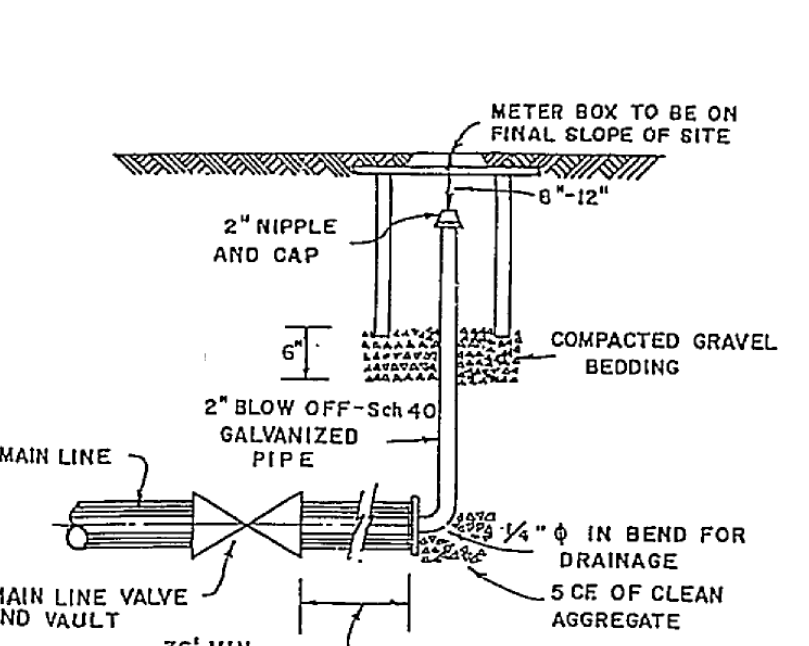
MANHOLE FRAME AND COVER



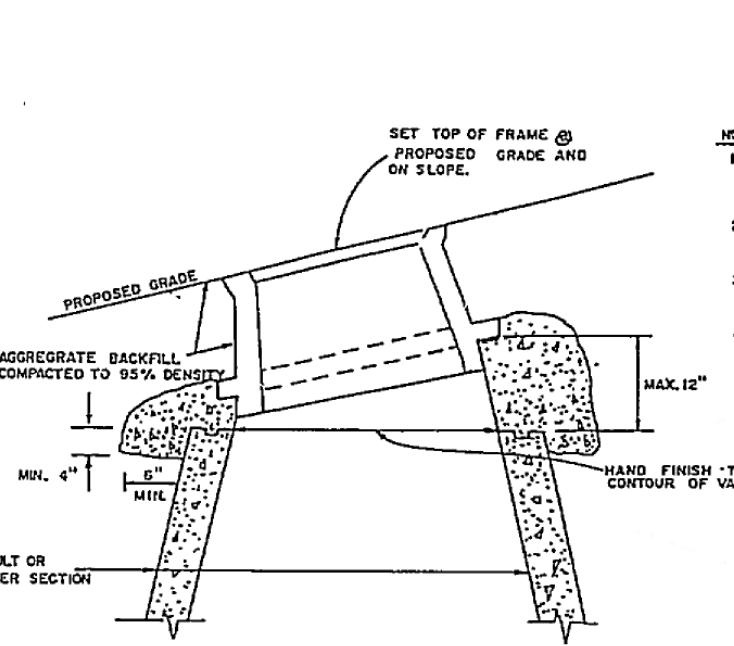
BLOW OFF ASSEMBLY FOR MAIN LINE



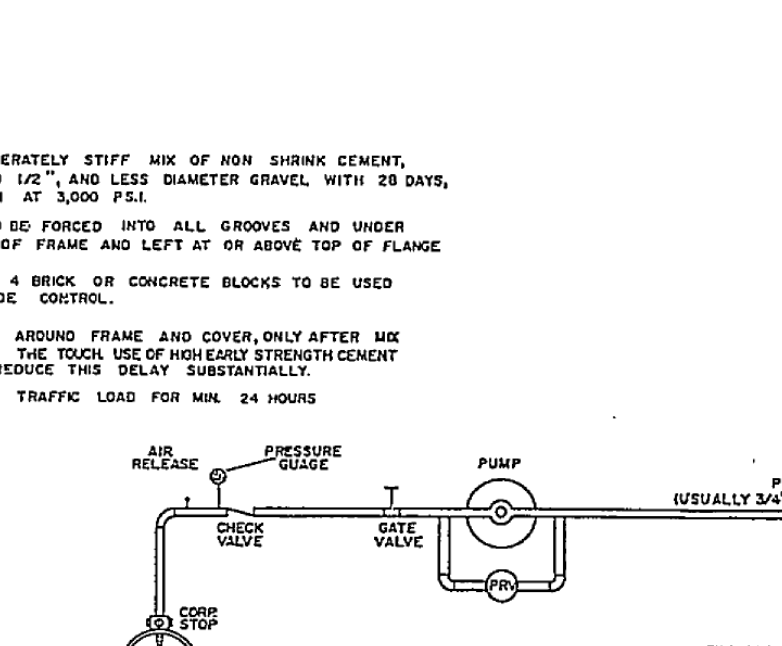
MANHOLE FRAME & COVER ADJUSTMENT



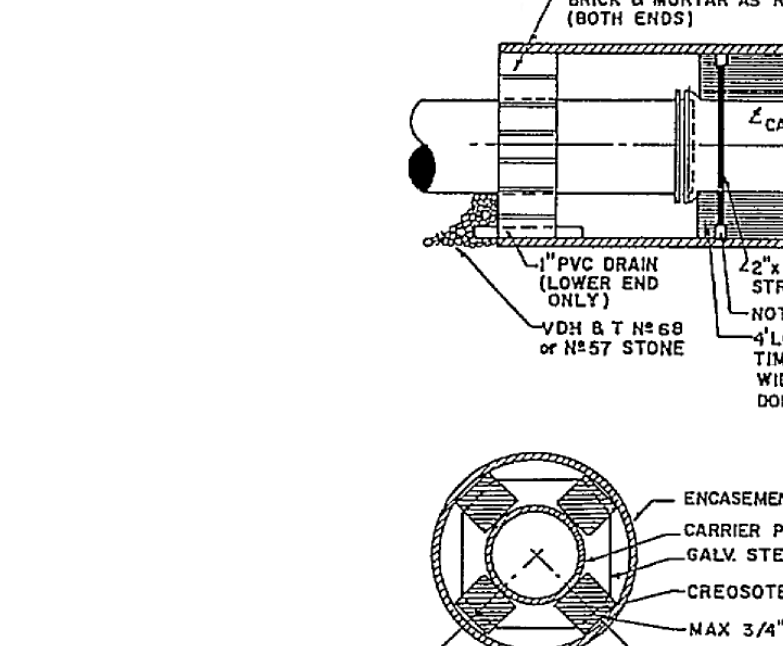
TYPICAL WATER PRESSURE TEST RIG



PIPE SUPPORT IN CASING PIPE



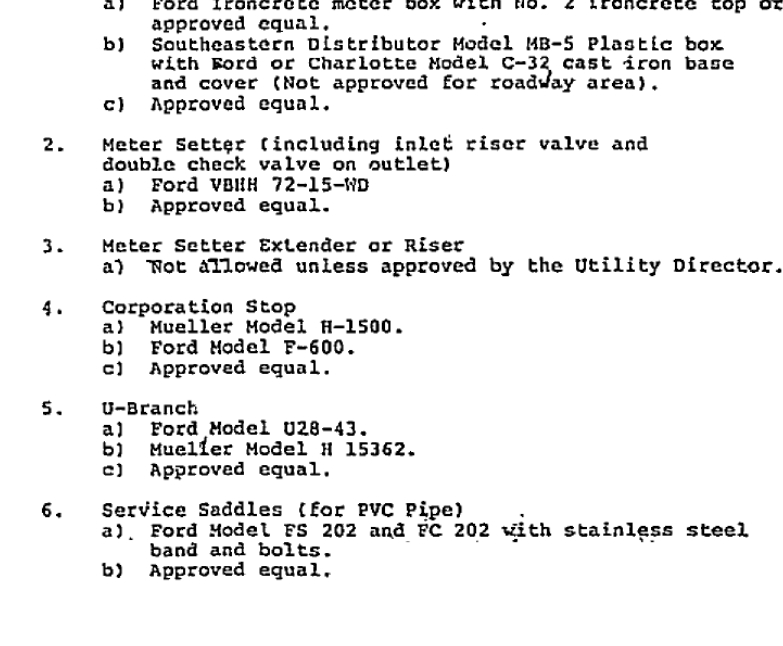
MANHOLE FRAME & COVER ADJUSTMENT



MANHOLE FRAME & COVER ADJUSTMENT



MANHOLE FRAME & COVER ADJUSTMENT



MANHOLE FRAME & COVER ADJUSTMENT

ENGINEERING DEPARTMENT
AND
UTILITY DEPARTMENT

NO.	REVISIONS	DATE
1		3/16/88

WATER DETAILS

DATE: 03-16-88
SCALE: NOT TO SCALE
DRAWING BY: A.F.
DESIGNED BY: A.P.H.
APPROVED BY: [Signature]

RC-0437

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