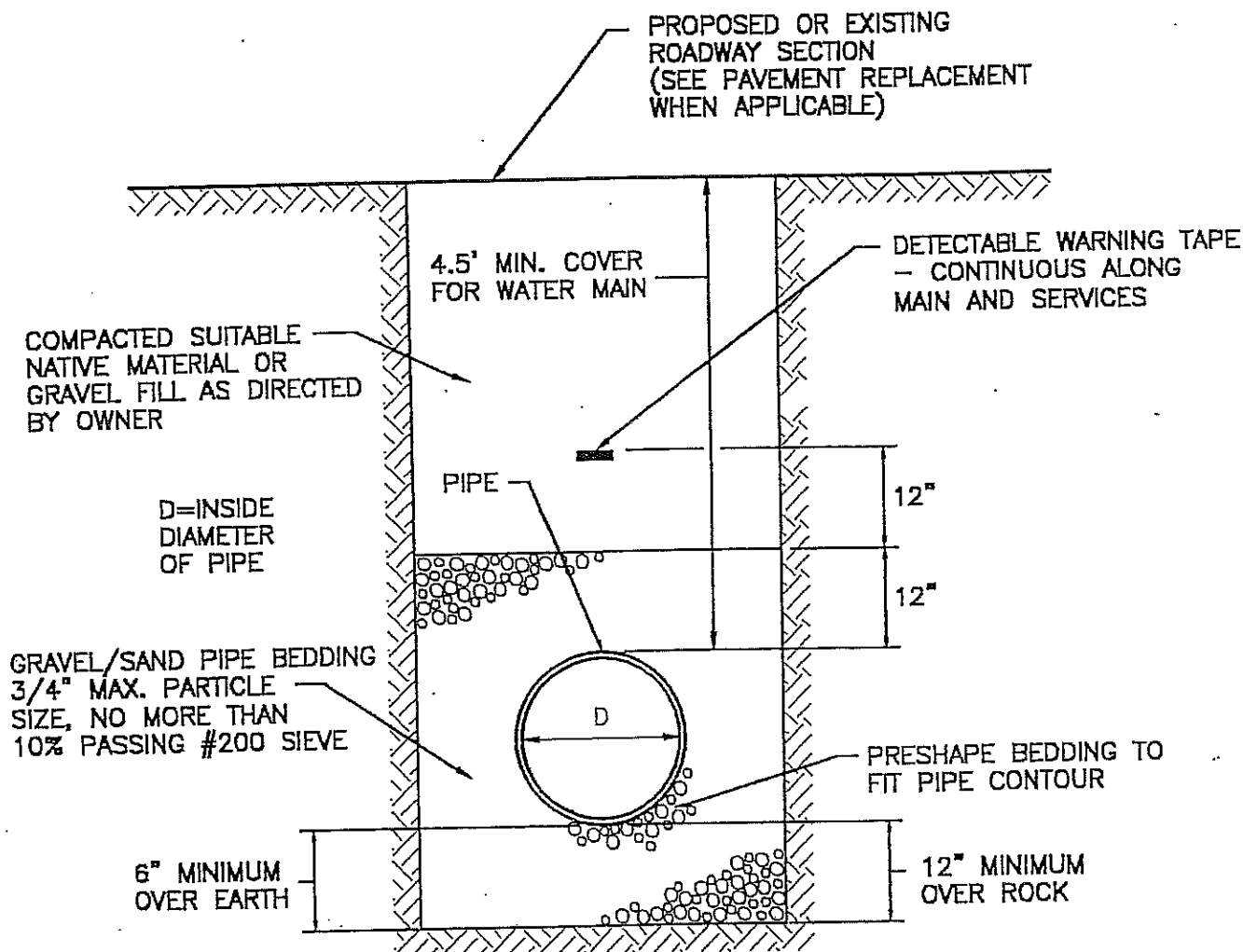
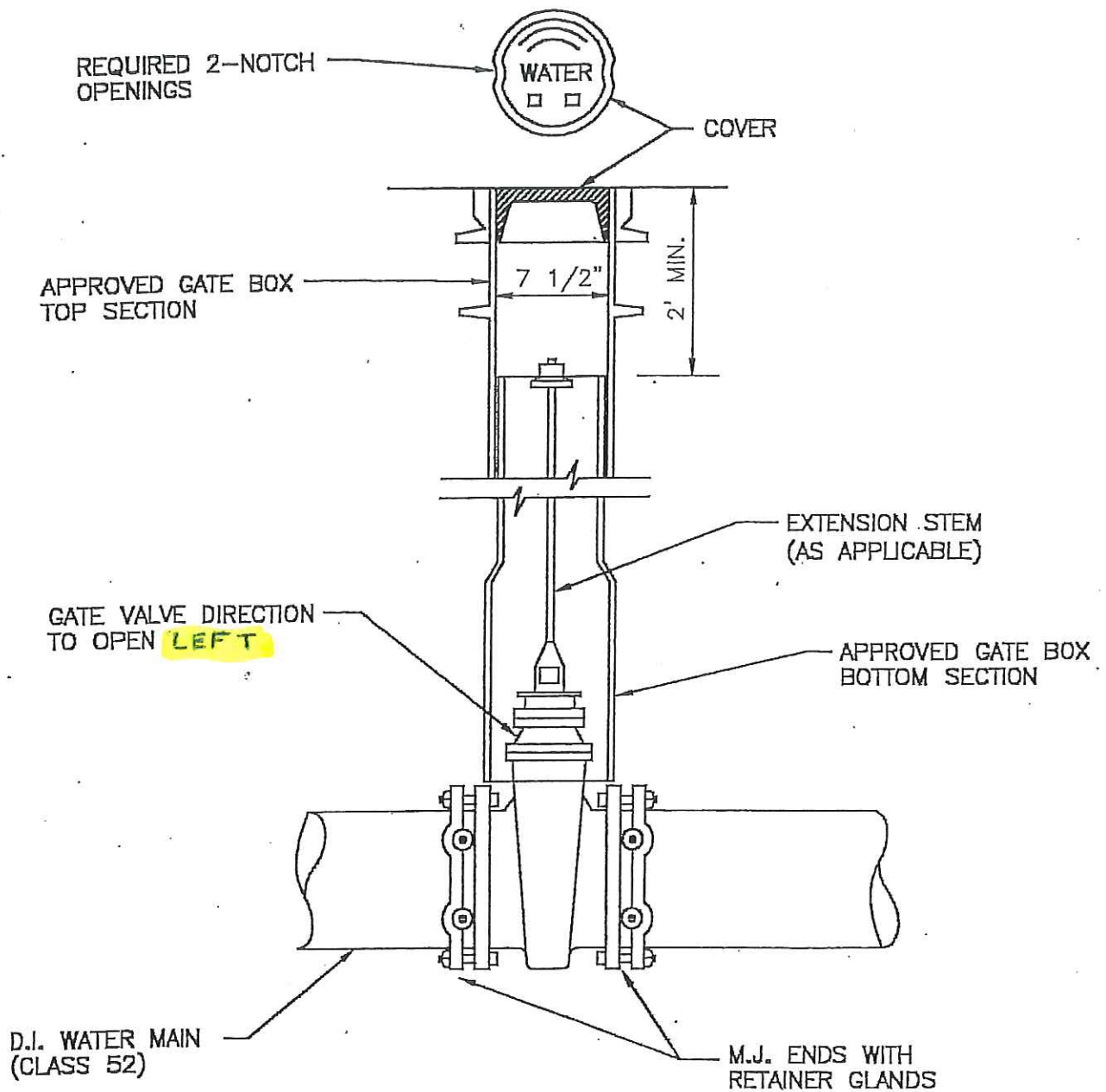


Construction Details



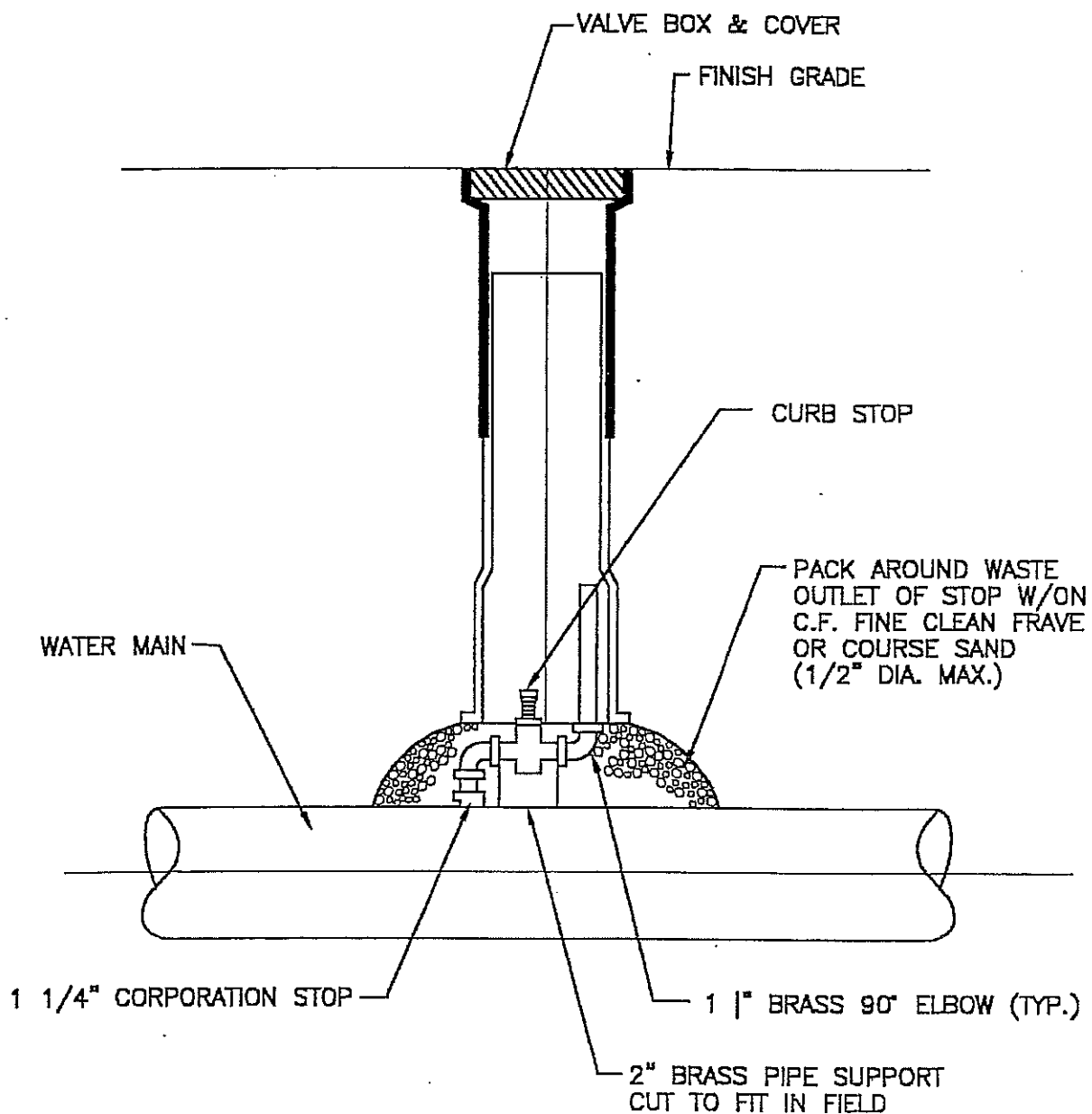
WATER MAIN TRENCH DETAIL

NOT TO SCALE



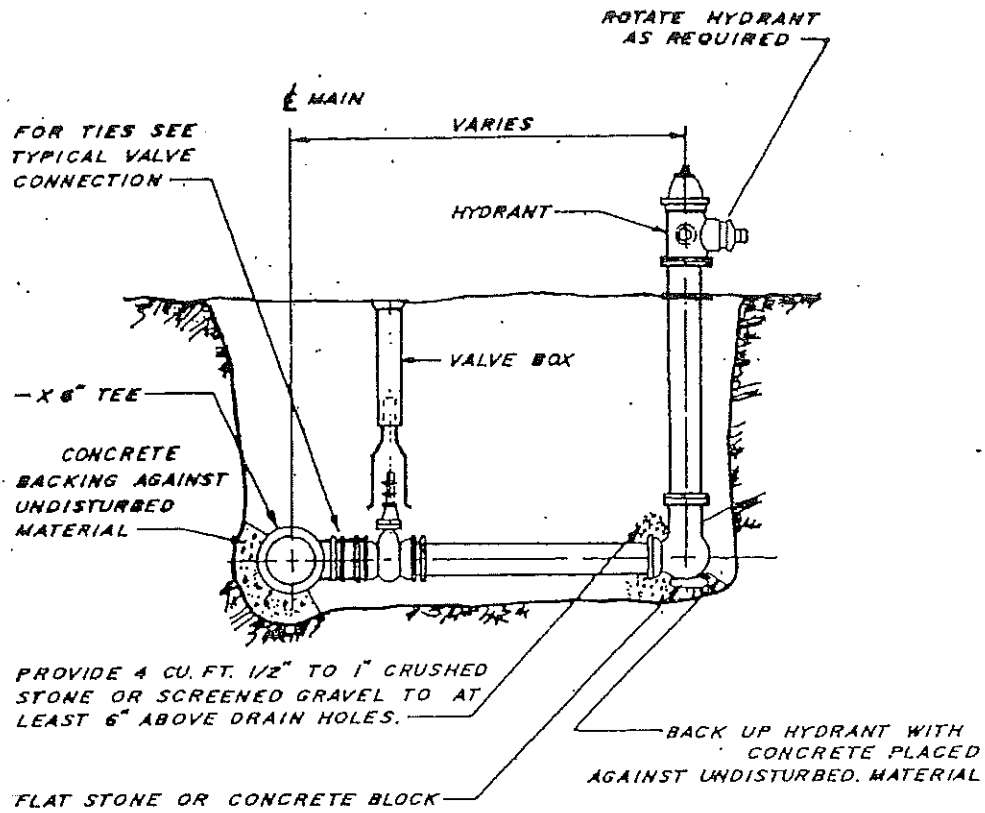
12" OR LESS VERTICAL GATE VALVE AND GATE BOX

NOT TO SCALE



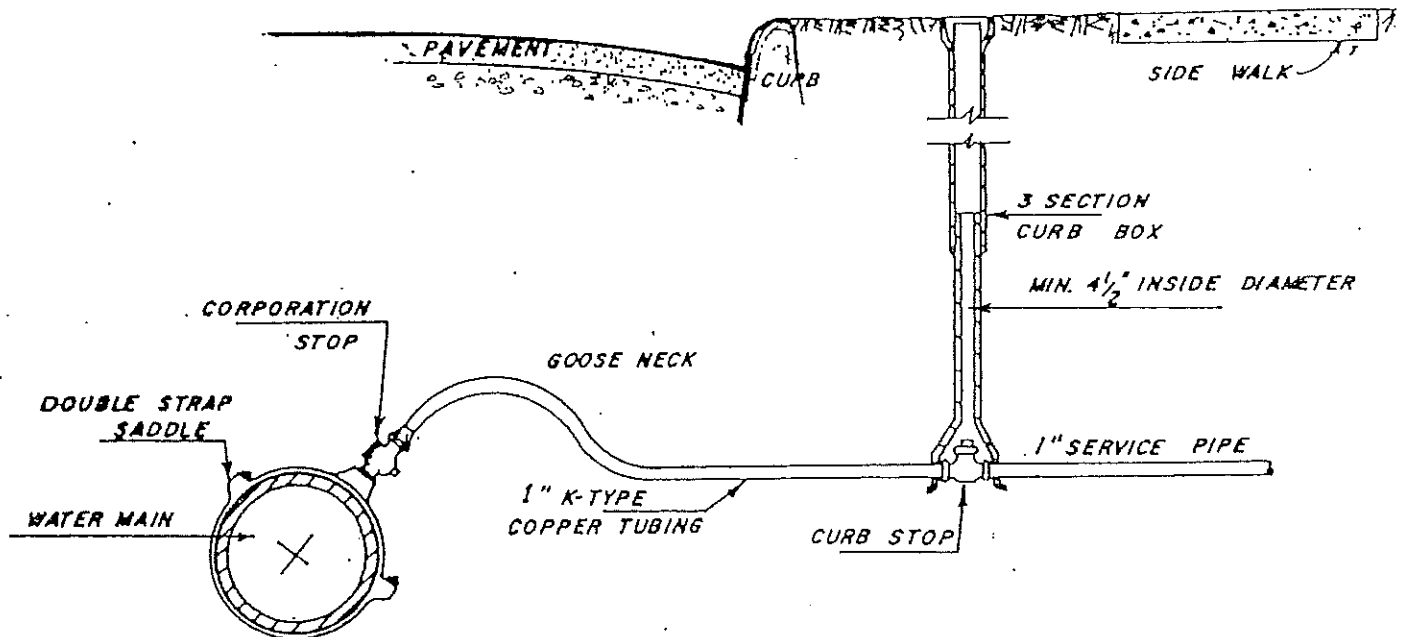
WATER—MANUAL AIR RELEASE

NOT TO SCALE



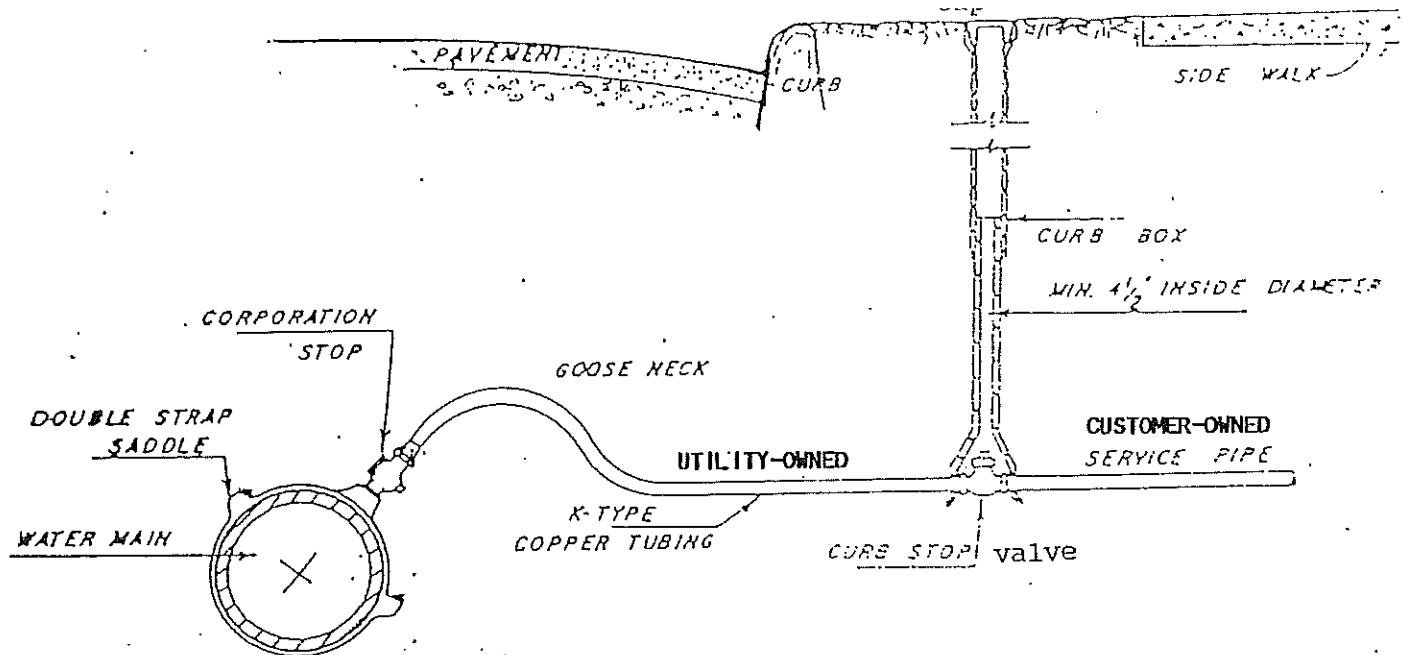
TYPICAL HYDRANT AND VALVE DETAIL

NOT TO SCALE



TYPICAL SERVICE INSTALLATION





TYPICAL SERVICE INSTALLATION

SOUTHEASTERN CONNECTICUT
WATER AUTHORITY



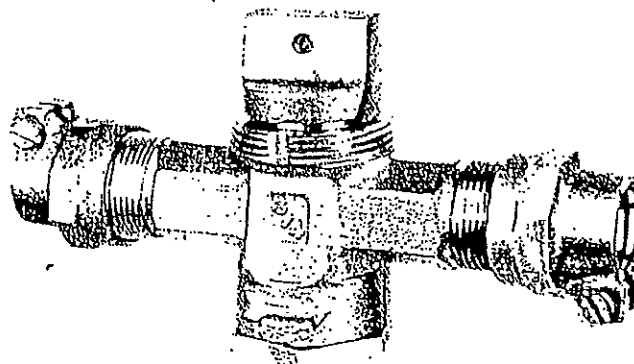
CURB VALVE WRENCH



Curb Box Cap



Curb Valve

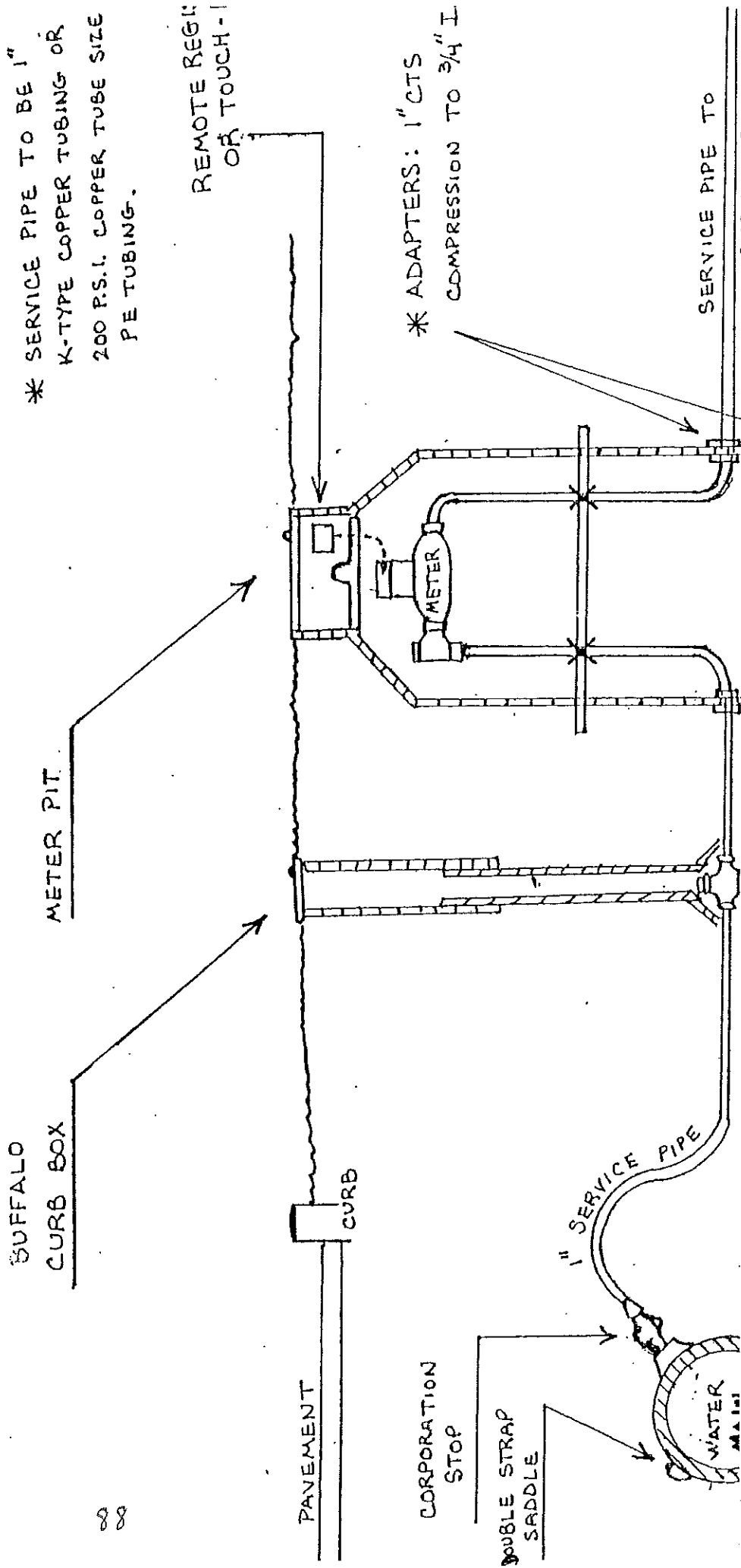


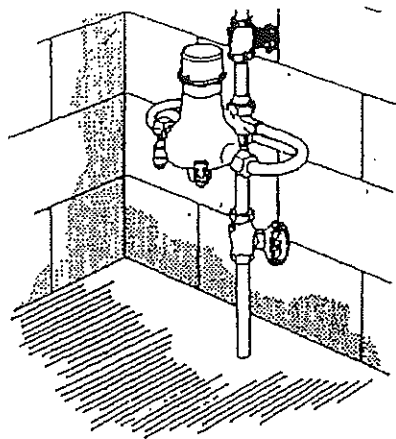
Curb Valve



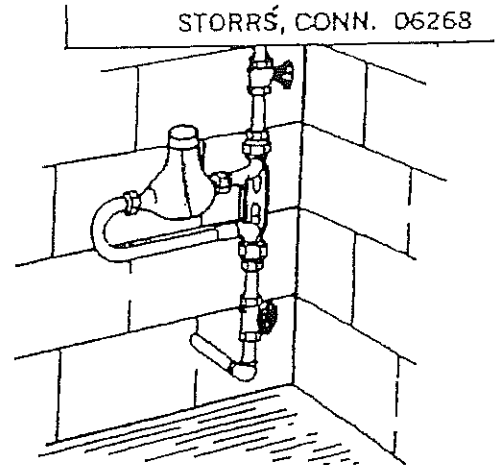
TYPICAL SERVICE INSTALLATION

NOT TO SCALE

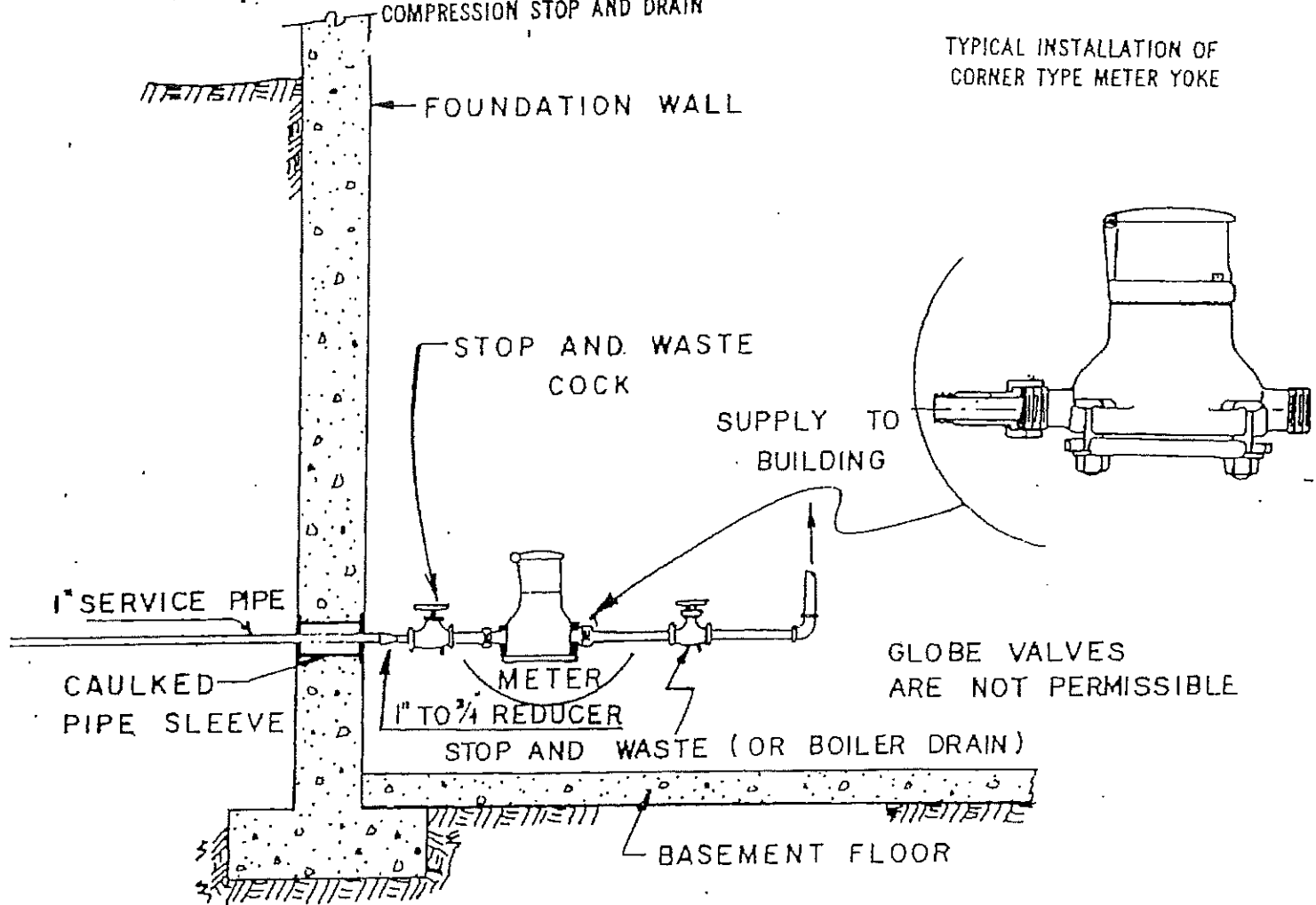




INSIDE METER SETTING SHOWING COPPER METER YOKE AND COMPRESSION STOP AND DRAIN



TYPICAL INSTALLATION OF CORNER TYPE METER YOKE



TYPICAL RESIDENTIAL METER SETTING

NOT TO SCALE

**SOUTHEASTERN CONNECTICUT
WATER AUTHORITY**



SQUARE FEET OF CONCRETE THRUST BLOCKING BEARING ON UNDISTURBED MATERIAL AREAS SHOWN ARE BASED ON 100 PSI TEST PRESSURE (SEE NOTE BELOW)												
REACTION TYPE	PIPE SIZE											
	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"
A 90° ELBOW	0.9	2.2	3.9	5.8	8.6	10.9	15.4	18.0	24.1	34.8	53.8	77.4
B 180° TEE	0.7	1.8	2.8	4.2	6.1	8.4	10.8	13.8	17.0	24.5	38.1	54.7
C 45° ELBOW	0.5	1.2	2.1	3.0	4.7	5.9	8.3	9.7	13.0	18.8	28.1	41.9
D 22° ELBOW	RETAINER GLANDS REQUIRED "MEGA-LUG" OR EQUAL											
E 11° ELBOW												
OTHER TEST PRESSURES FOR THE ABOVE REACTIONS	SQUARE FEET OF CONCRETE THRUST BLOCKING FOR OTHER TEST PRESSURES IS DIRECTLY PROPORTIONAL TO THE ABOVE TABLE. FOR INSTANCE, AT 200 PSI TEST PRESSURE THE ABOVE NUMBERS DOUBLE. THE ABOVE NUMBERS REPRESENT MINIMUM ALLOWABLE SIZES FOR THRUST BLOCKS *											

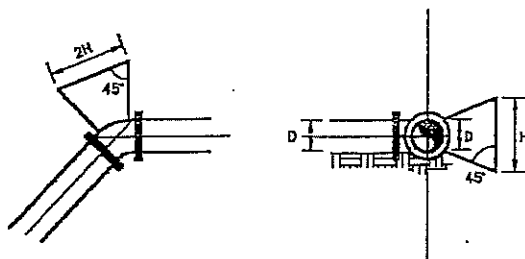
* ACTUAL TEST PRESSURE IS 200 PSI AND ALL BEARING AREA
NUMBERS ABOVE MUST BE MULTIPLIED BY 2

NOTES

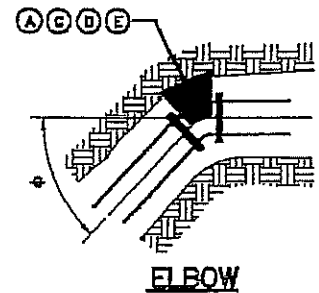
1. POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL. NO JOINTS SHALL BE COVERED WITH CONCRETE.
2. ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
3. PLACE BOARD IN FRONT OF ALL CAPS BEFORE POURING THRUST BLOCK.
4. REQUIREMENTS OF THE ABOVE TABLE PRESUME MINIMUM SOIL BEARING OF ONE TON PER SQUARE FOOT, AND MAY BE VARIED BY THE ENGINEER TO MEET OTHER CONDITIONS ENCOUNTERED.

TYPICAL THRUST BLOCK DETAILS AND DIMENSIONS

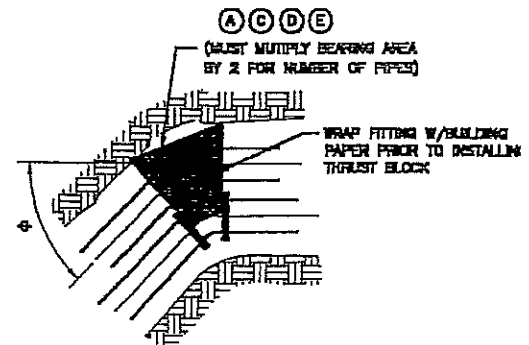
NOT TO SCALE



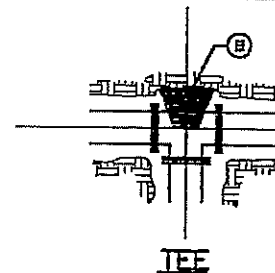
MINIMUM THRUST BLOCK DIMENSION REQUIREMENTS



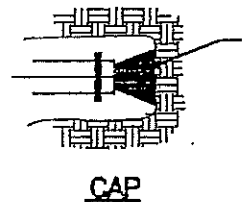
ELBOW



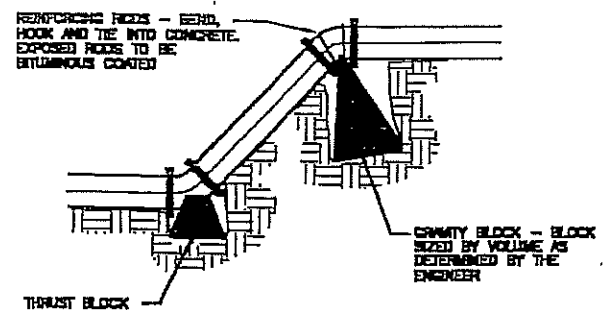
DUAL PIPE BENDS



TEE



CAP



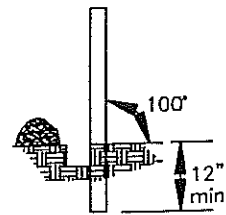
VERTICAL BENDS

THRUST BLOCK DETAIL

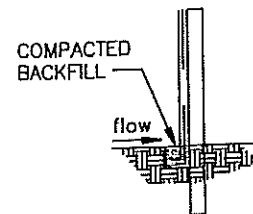
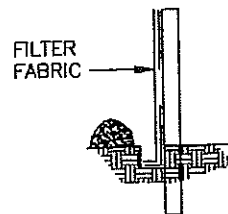
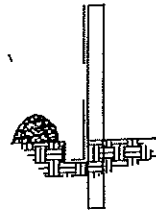
90 NOT TO SCALE

ATTACHMENT DETAILS

1. SET POSTS & EXCAVATE A 6" x 6" TRENCH. SET POSTS DOWNSLOPE. ANGLE UPSLOPE FOR STABILITY & SELF-CLEANING.

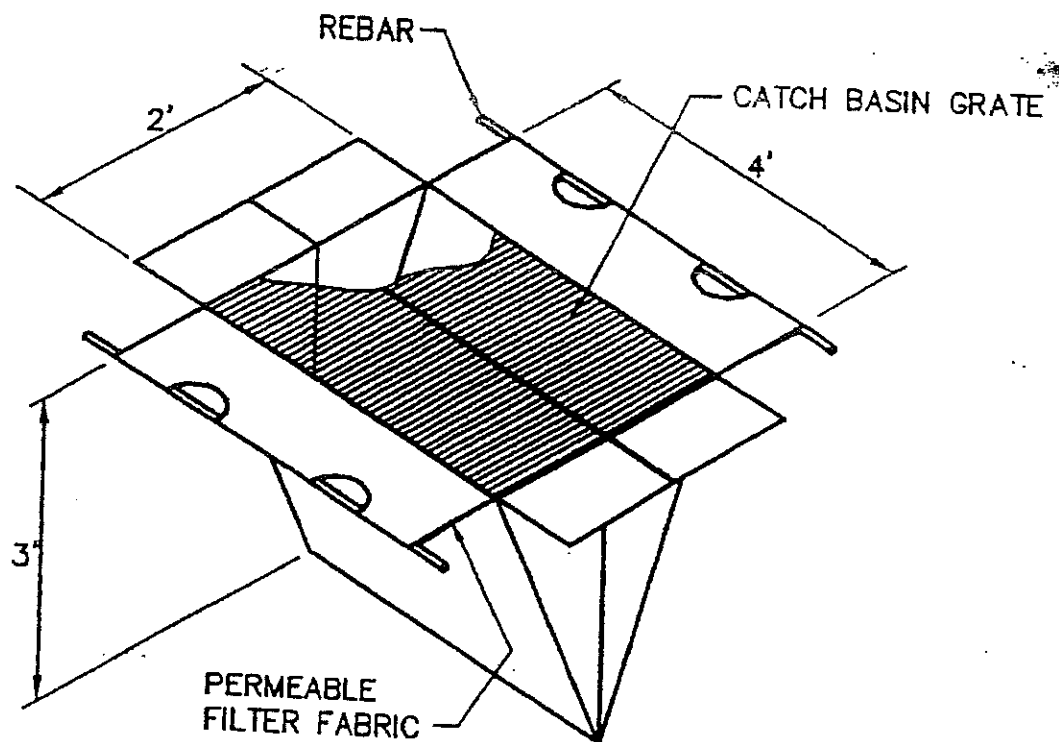


2. STAPLE THE WIRE MESH FENCING TO END POST.



3. ATTACH FILTER FABRIC TO THE WIRE FENCING & EXTEND IT INTO THE TRENCH.

4. BACKFILL THE TRENCH & COMPACT WITH EXCAVATED SOIL.



SILTATION BAG

NOT TO SCALE

*INSTALL IN EXISTING
CB'S AS NOTED PRIOR
TO START OF CONSTRUCTION

91 USE "SILTSACK" AS MANUFACTURED BY
ATLANTIC CONSTRUCTION FABRICS, INC.
OR EQUIVALENT