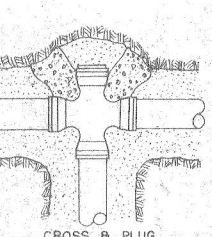
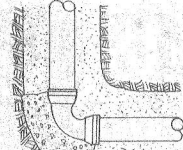


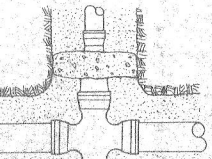
**THRUST BLOCK DETAILS**



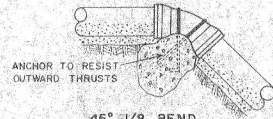
CROSS & PLUG



90° 1/4 BEND

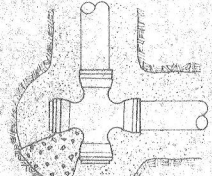


CROSS & REDUCER

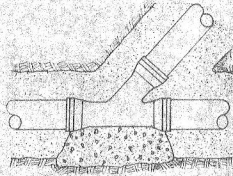


ANCHOR TO RESIST OUTWARD THRUSTS

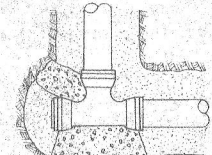
45° 1/8 BEND  
22 1/2° 1/16 BEND



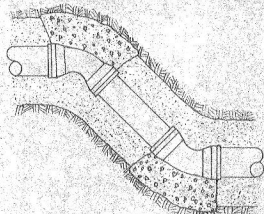
CROSS & PLUGS



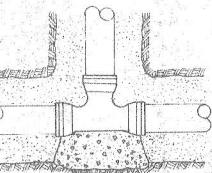
WYE



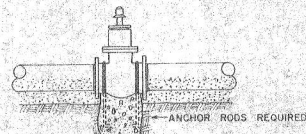
TEE & PLUG



BEND OFFSET



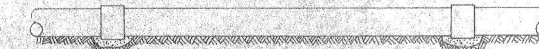
TEE



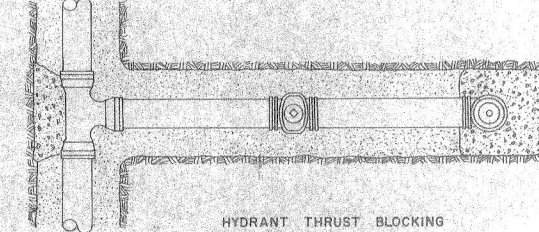
GATE VALVE



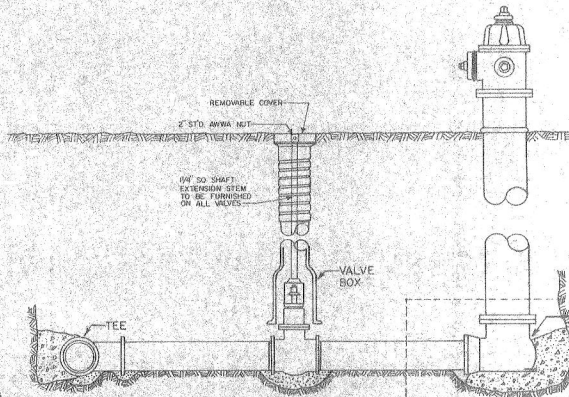
SAND CUSHION BEDDING-SUPPORT ENTIRE LENGTH OF PIPE  
SPECIAL COMPACTION REQUIRED TO PIPE SPRING LINE



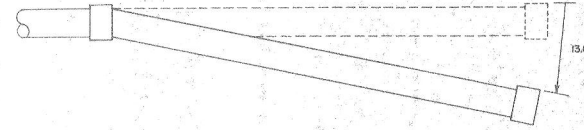
TYPICAL BEDDING TREATMENT USING APPROVED  
OR SITE MATERIAL SHAPED FOR PIPE



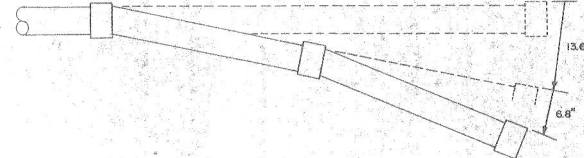
HYDRANT THRUST BLOCKING



LAYOUT OF FIRE HYDRANT & VALVE



MAX. OFFSET PER 13' LENGTH  
ASBESTOS CEMENT PIPE



USING TWO HALF LENGTHS  
ASBESTOS CEMENT PIPE

- NOTE: (1) ALL TYPES OF PIPE TO BE TREATED IN THE SAME GENERAL MANNER AS ASBESTOS CEMENT PIPE FOR DEFLECTIONS.  
(2) BEDDING REQUIREMENTS SHALL BE AS INDICATED HEREON UNLESS MODIFIED IN THE SPECIFICATIONS.  
(3) CONCRETE FOR THRUST BLOCKS SHALL HAVE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI, AND MAX. SLUMP OF 3 INCHES AT TIME OF PLACEMENT.

**LEGEND**

- CONCRETE
- SITE SOIL
- SELECT BACKFILL

DASHED LINES SHOW OUTLINE OF CRIB TO BE USED WHEN PERCOLATION IS NEGLIGIBLE. FILL WITH COARSE GRAVEL OR ROCK TO PROVIDE A MINIMUM EFFECTIVE LEACHING CAPACITY OF AT LEAST ONE CUBIC YARD (4' x 4' x 2')

HYDRANT DRAIN OPENING TO BE UNOBSTRUCTED



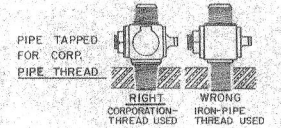
MAXIMUM SIZE OF OUTLET RECOMMENDED WITH SERVICE CLAMPS (INCHES)

NOMINAL PIPE SIZE	OUTLET SIZE SINGLE STRAP	OUTLET SIZE 100-150' DOUBLE STRAP
4"	1/2"	1/2"
6"	1/2"	1/2"
10"	2"	2"
12"	2"	2"
14"	2"	2"
16"	2"	2"

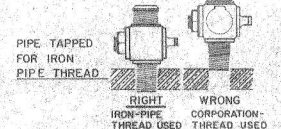
SADDLES FOR ASBESTOS CEMENT



THREAD TREATMENT  
A-C PIPE

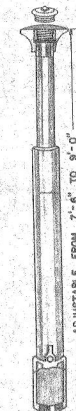


PIPE TAPPED FOR CORR. PIPE THREAD

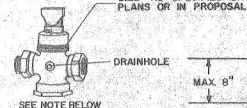


PIPE TAPPED FOR IRON PIPE THREAD

CORPORATION COCK TAPPING

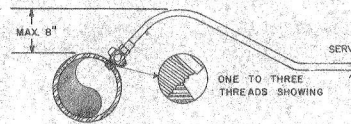


ADJUSTABLE FROM 7'-6" TO 9'-0"



CURB STOP & DRAIN WITH BASE CURB BOX

- NOTE: (1) CURB STOP SHALL BE PLACED ON 4' x 8' x 2" CONCRETE BLOCK.  
(2) AFTER CURB STOP IS PLACED ON CONCRETE BLOCK BACKFILL AROUND CURB STOP WITH WASHED GRAVEL APPROX. 1 FT<sup>3</sup> PER BOX.



SERVICE LINE CORPORATION COCK DIRECT TAP POSITION