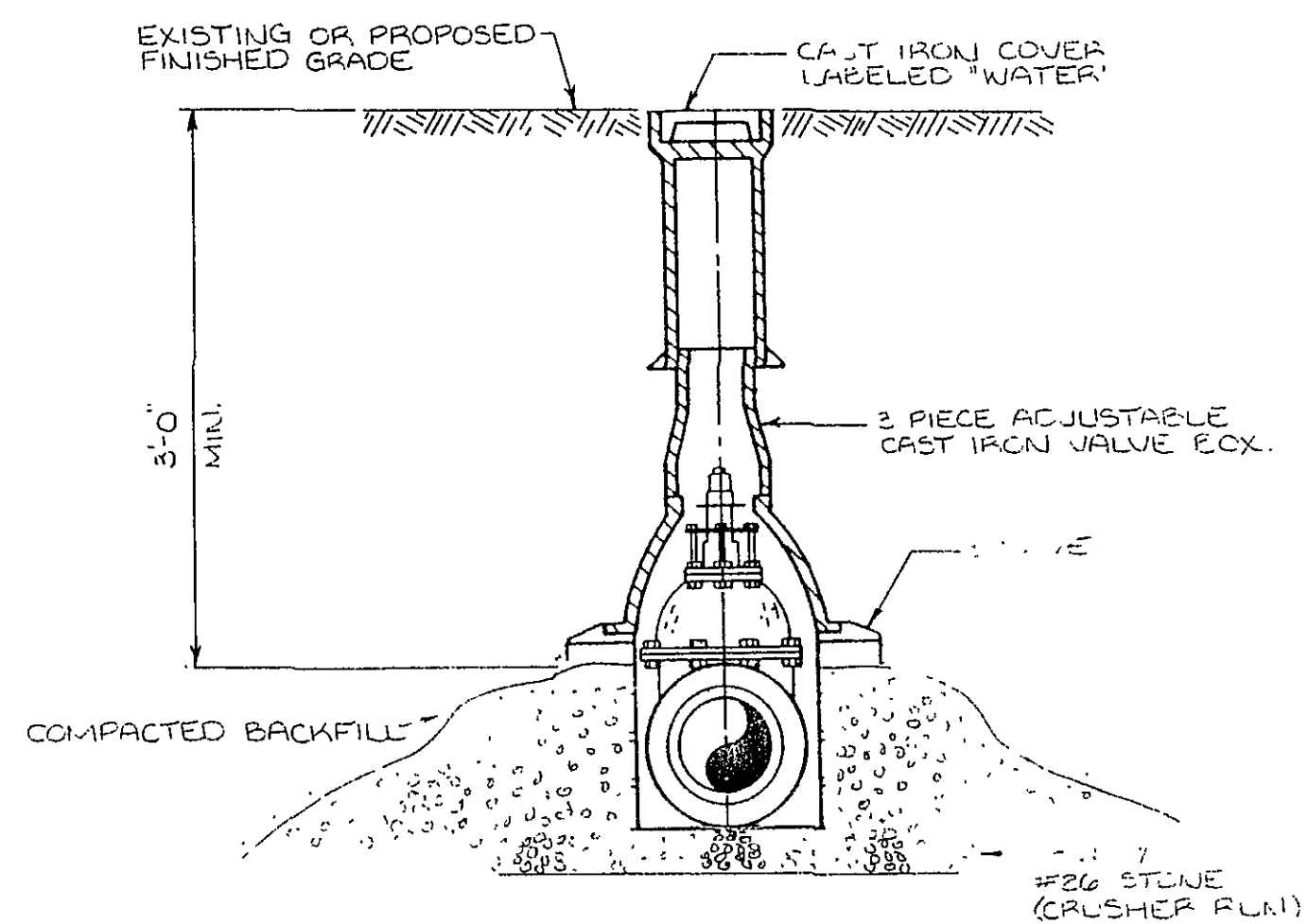
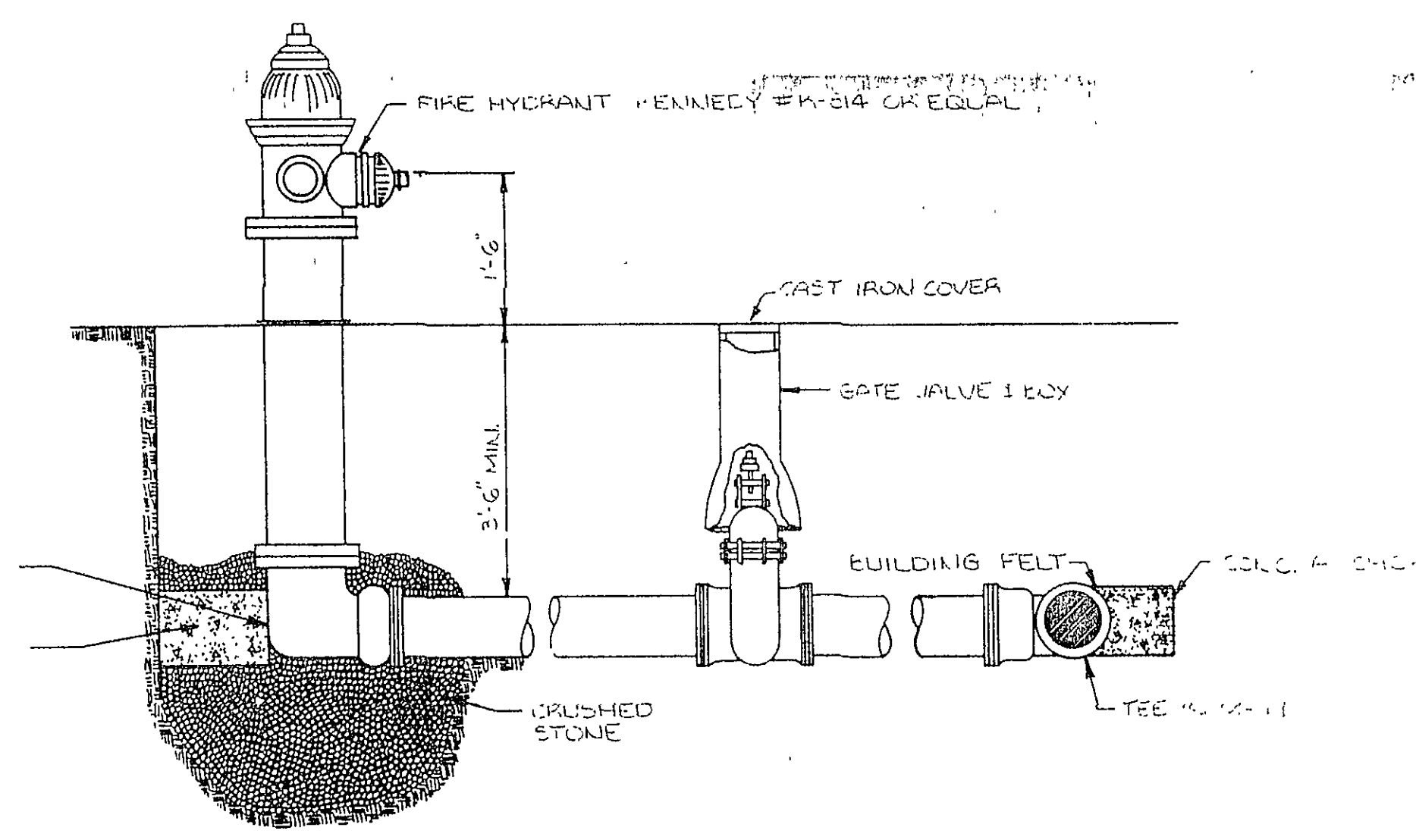
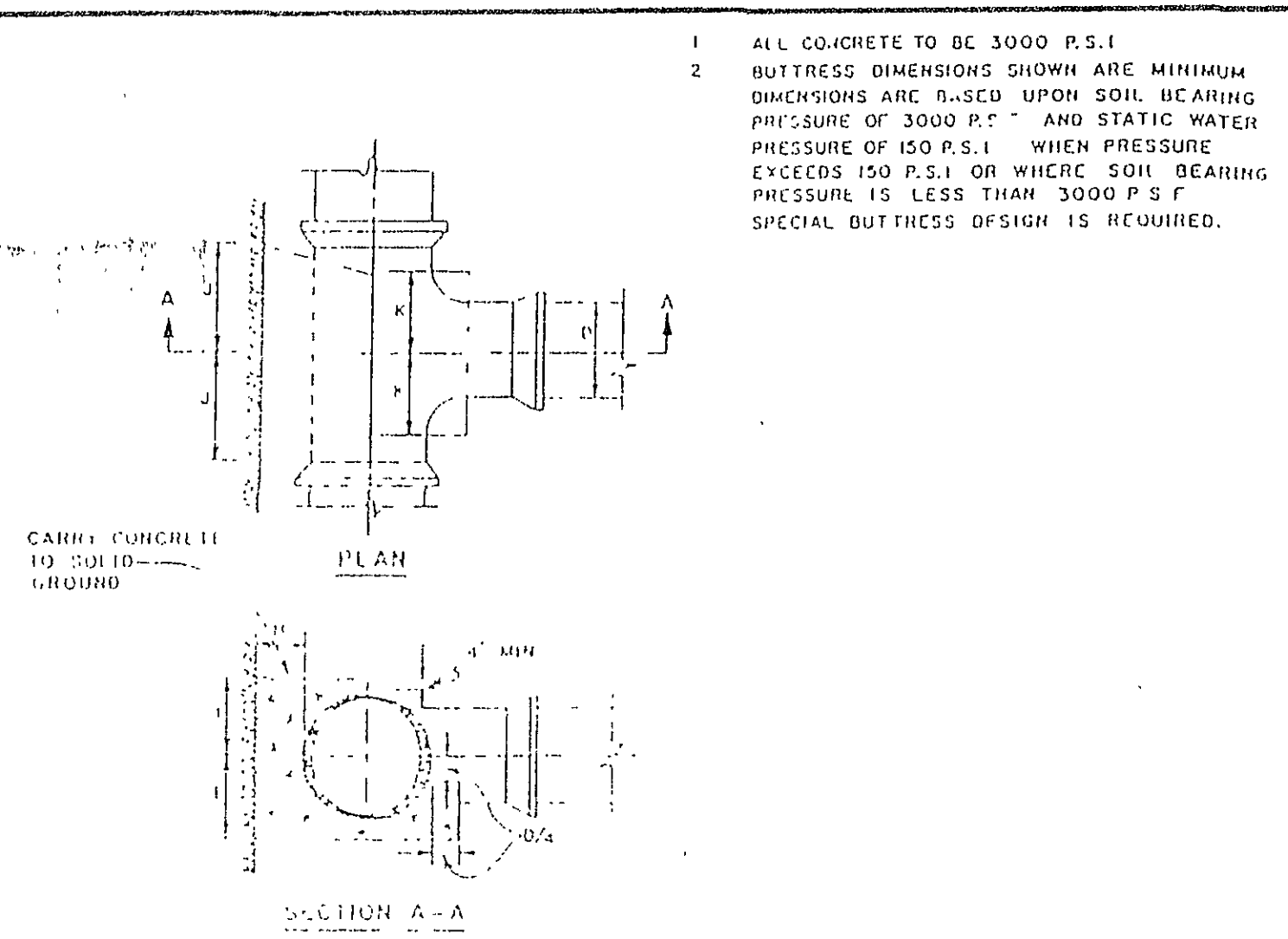




TYPICAL GATE VALVE INSTALLATION 301.1
NO SCALE 301



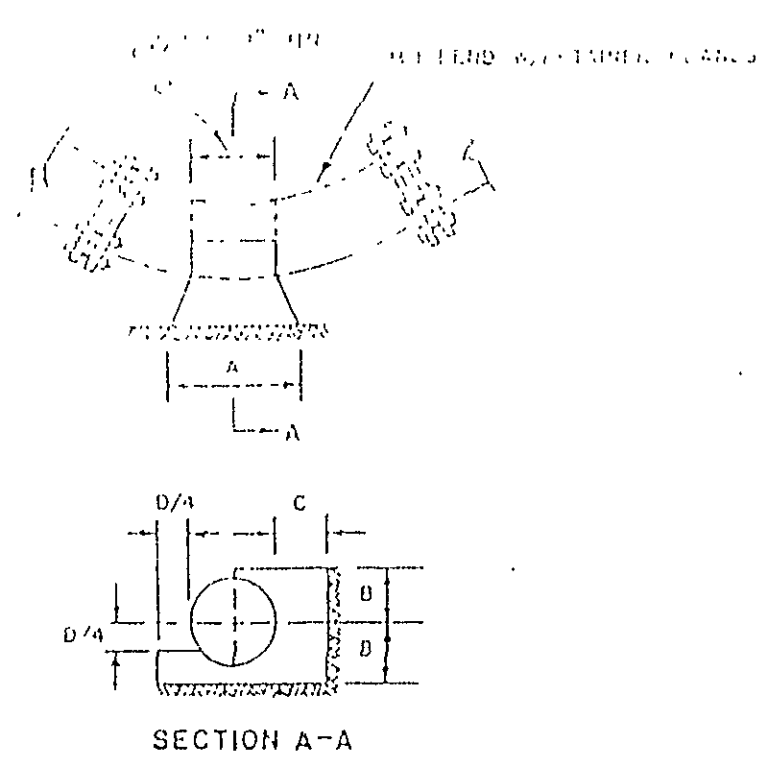
TYPICAL FIRE HYDRANT CONNECTION 301.2
NO SCALE 301



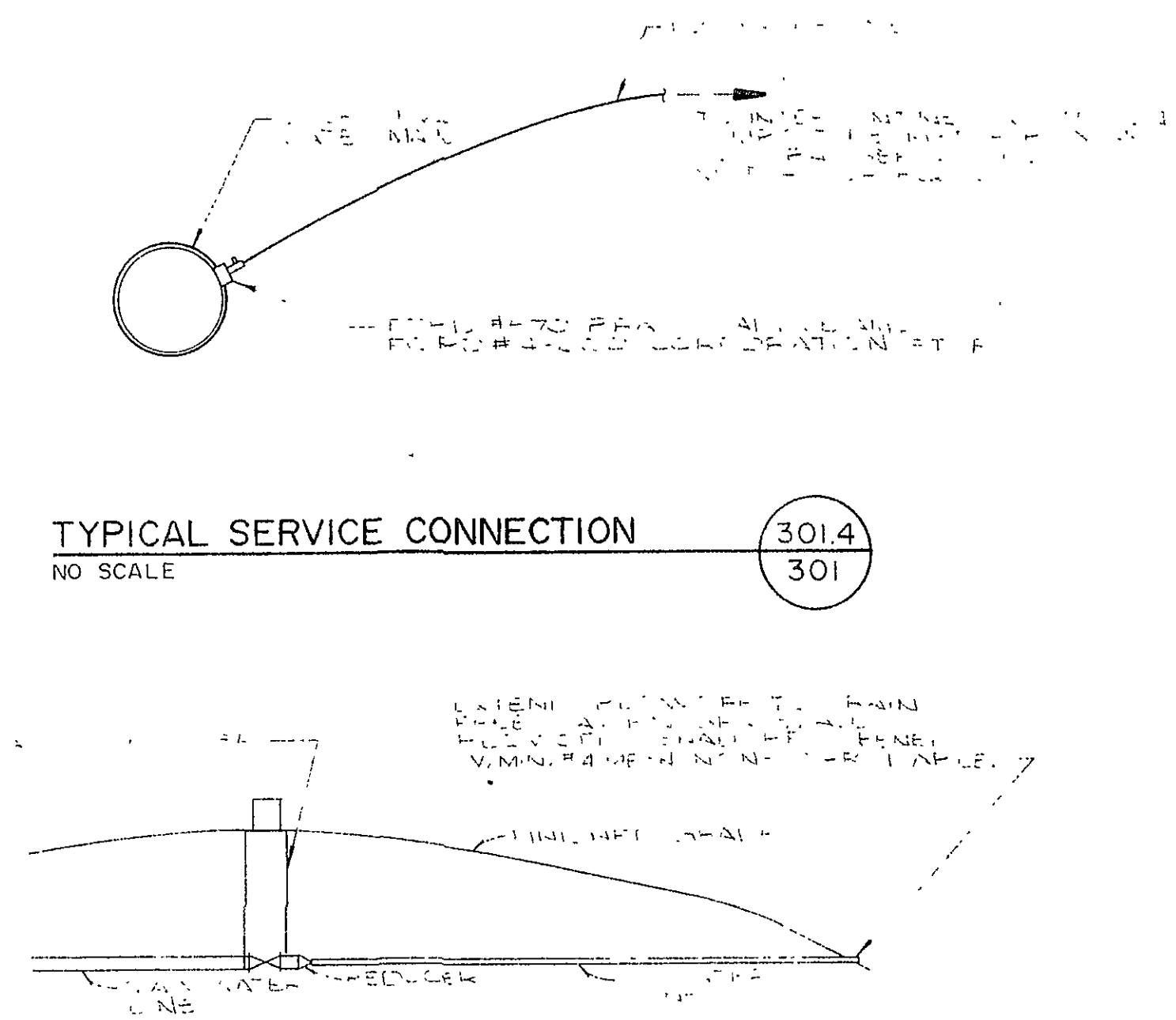
SIZE OF BRANCH									
D	6"	8"	10"	12"	18"	20"	24"	30"	36"
H	8"	9"	10"	1'-0"	1'-2"	1'-4"	1'-6"	1'-9"	2'-0"
I	8"	10"	1'-0"	1'-3"	1'-5"	1'-7"	2'-0"	3'-1"	3'-9"
J	6"	8"	1'-0"	1'-0"	1'-4"	1'-8"	2'-0"	2'-6"	3'-0"
K	6"	8"	8"	8"	10"	1'-2"	1'-4"	1'-6"	1'-10"

BEND	6"	8"	10"	12"	18"	20"	24"	30"	36"
1/64	A	B	C						
	A	B	C						
1/32	A	B	C						
	A	B	C						
1/16	A	B	C						
	A	B	C						
1/8	A	B	C						
	A	B	C						

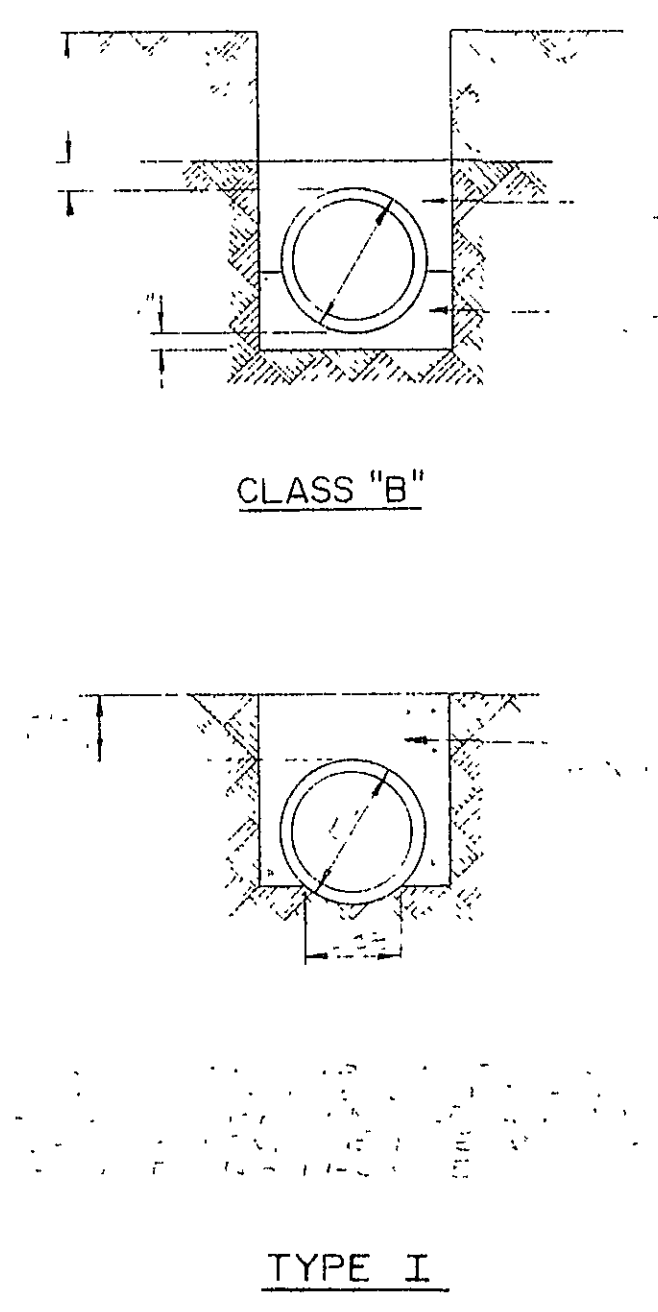
NOTES:
1. ALL CONCRETE TO BE 3000 P.S.I.
2. BUTTRESS DIMENSIONS SHOWN ARE MINIMUM DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 3000 P.S.I. AND STATIC WATER PRESSURE OF 150 P.S.I. WHEN PRESSURE EXCEEDS 150 P.S.I. OR WHERE SOIL BEARING PRESSURE IS LESS THAN 3000 P.S.I. SPECIAL BUTTRESS DESIGN IS REQUIRED.



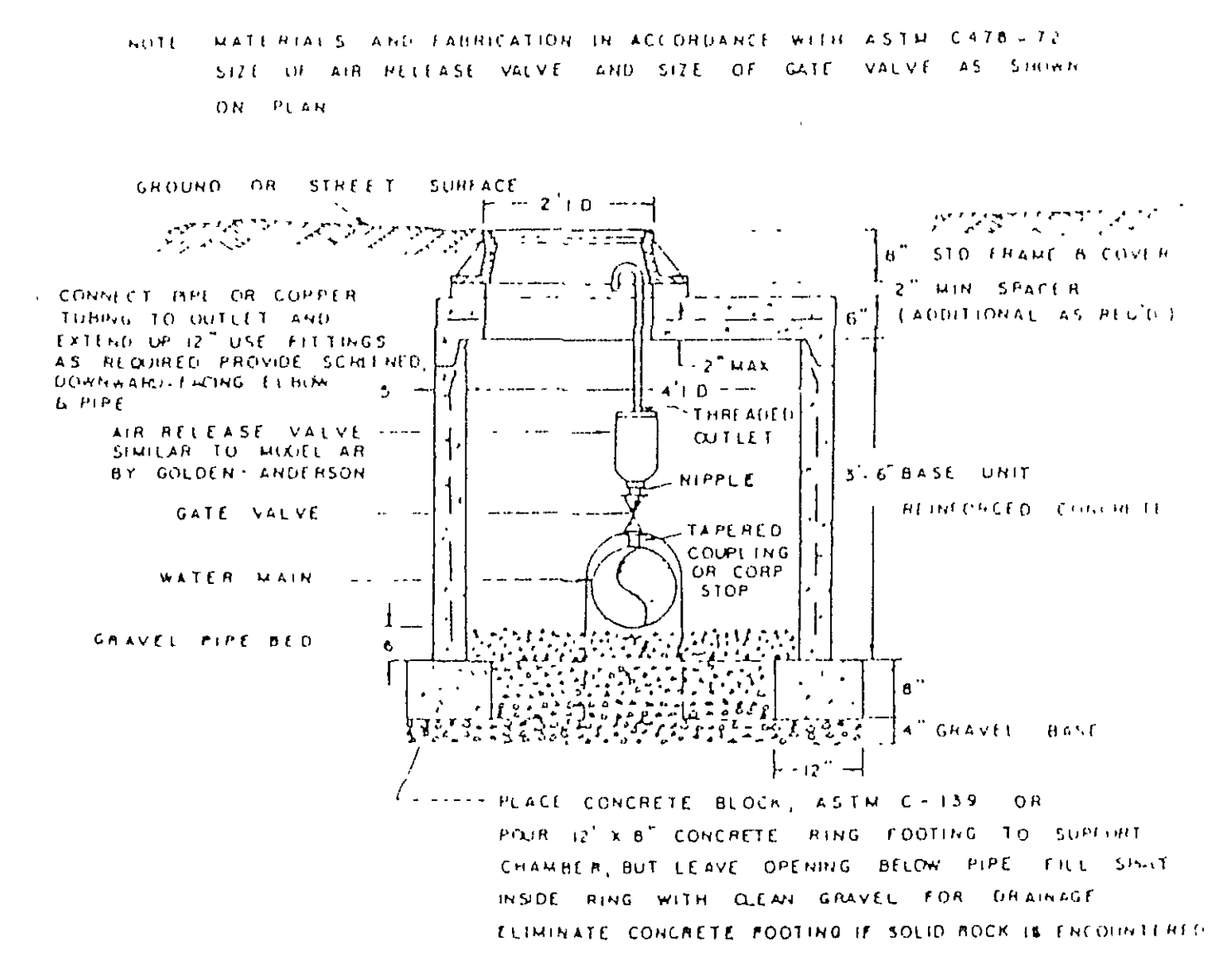
TYPICAL THRUST BLOCK 301.8
NO SCALE 301



TYPICAL SERVICE CONNECTION 301.4
NO SCALE 301



TRENCH BEDDINGS DETAIL 301.6
NO SCALE 301



AUTOMATIC AIR RELEASE VALVE 301.7
NO SCALE 301