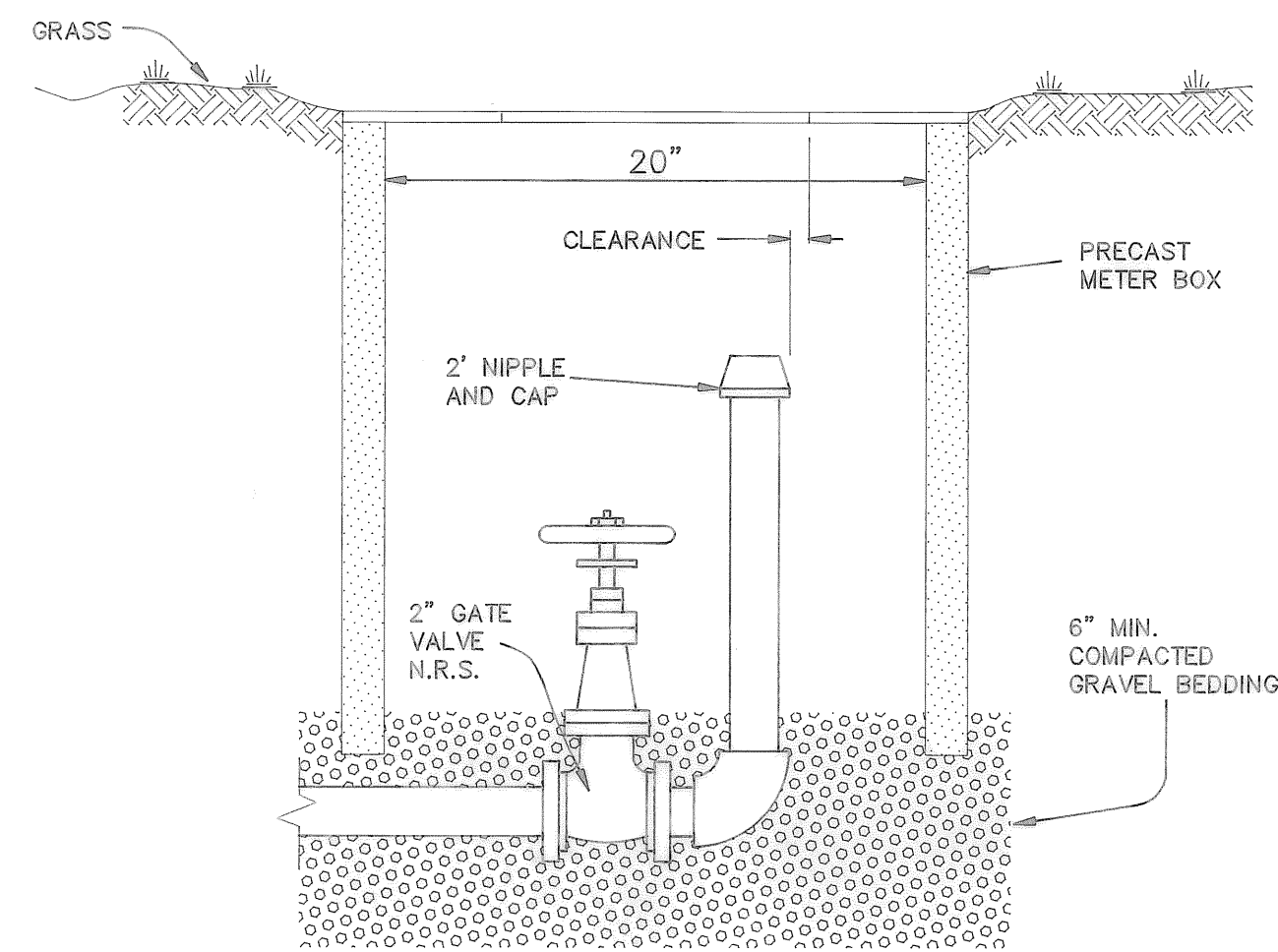
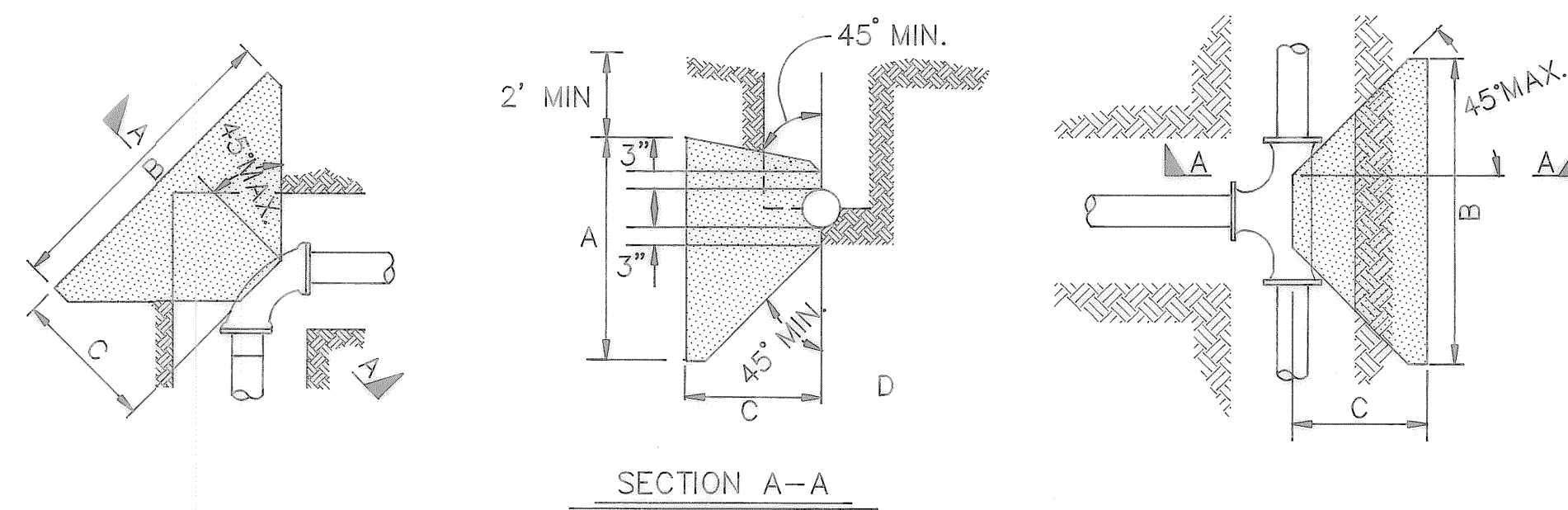




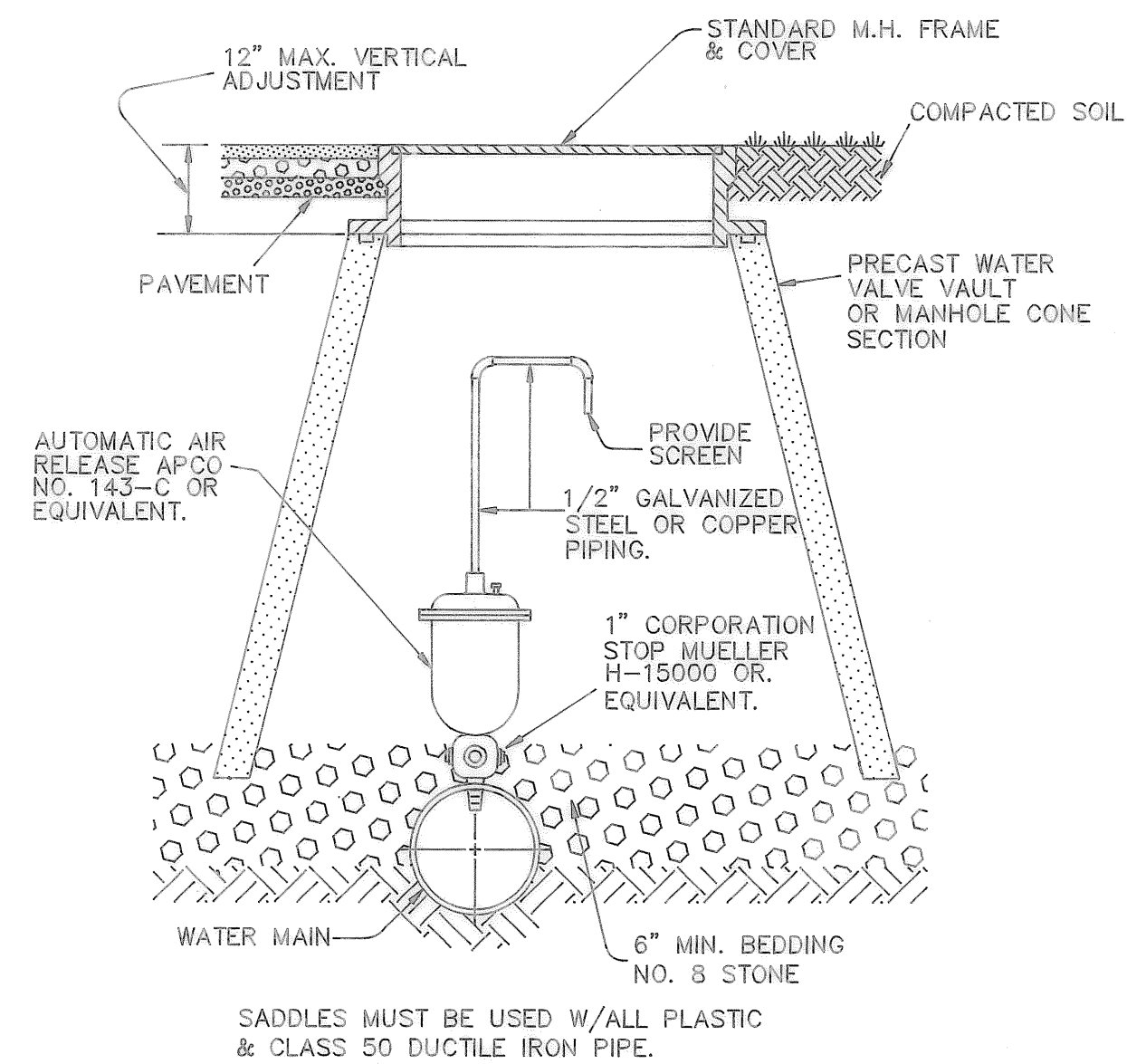
TYPICAL BLOW-OFF ASSEMBLY



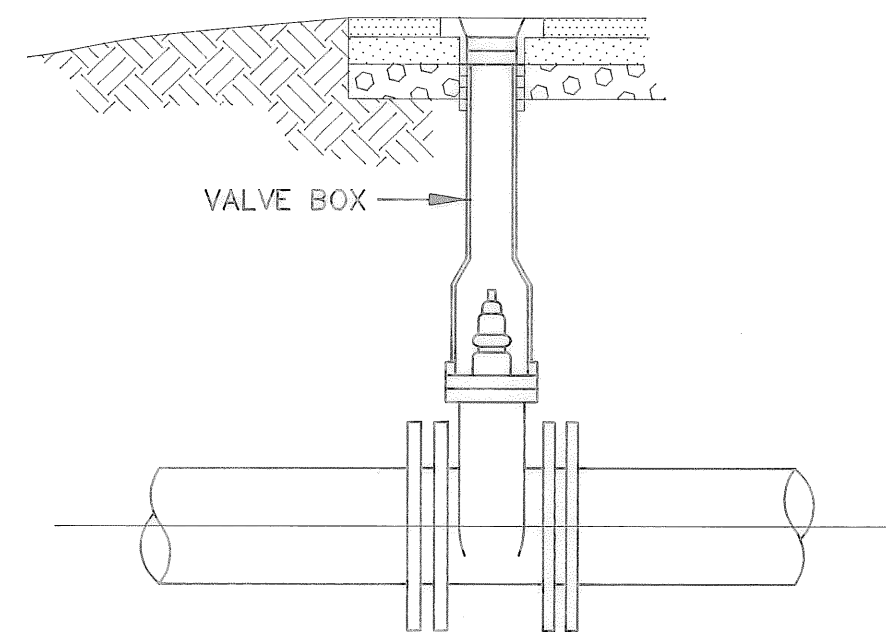
PIPE SIZE	TEE OR DEAD END	90° BEND	45° BEND	22.5° LESS BEND
6" OR LESS	1.2' A, 3.0' B, 1.0' C	1.5' A, 3.3' B, 2.0' C	1.2' A, 2.3' B, 1.0' C	1.2' A, 2.0' B, 1.0' C
8"	1.7' A, 3.8' B, 1.5' C	2.0' A, 4.5' B, 2.0' C	1.3' A, 3.6' B, 1.5' C	1.3' A, 2.0' B, 1.0' C
10"	2.0' A, 4.9' B, 2.0' C	3.0' A, 4.7' B, 2.0' C	1.7' A, 4.5' B, 2.0' C	1.5' A, 2.8' B, 1.5' C
12"	2.5' A, 5.7' B, 2.0' C	3.5' A, 5.3' B, 2.5' C	2.2' A, 5.0' B, 2.5' C	1.7' A, 3.3' B, 1.5' C
16"	3.5' A, 7.0' B, 3.0' C	4.5' A, 6.0' B, 3.5' C	3.0' A, 6.5' B, 3.0' C	2.5' A, 4.0' B, 2.0' C
24"	3.5' A, 7.0' B, 3.0' C	3.5' A, 7.0' B, 3.0' C	3.5' A, 7.0' B, 3.0' C	3.5' A, 7.0' B, 3.0' C

- NOTES:
1. THE ABOVE NOTED DIMENSIONS ARE MINIMUM BASED ON CONCRETE ANCHOR EXTENDING TO UNDISTURBED SOIL. LINE PRESSURE NOT TO EXCEED 150 PSI AND, MINIMUM SOIL BEARING CAPACITY OF 2500 PSF. UNSATISFACTORY SOIL BEARING OR EXCESS PRESSURE WILL REQUIRE ADDITIONAL DESIGN.
 2. CONCRETE SHALL NOT BE POURED ON JOINTS OR BOLTS.
 3. CONCRETE TO BE MINIMUM 3000 PSI - 28 DAY COMPRESSIVE STRENGTH.

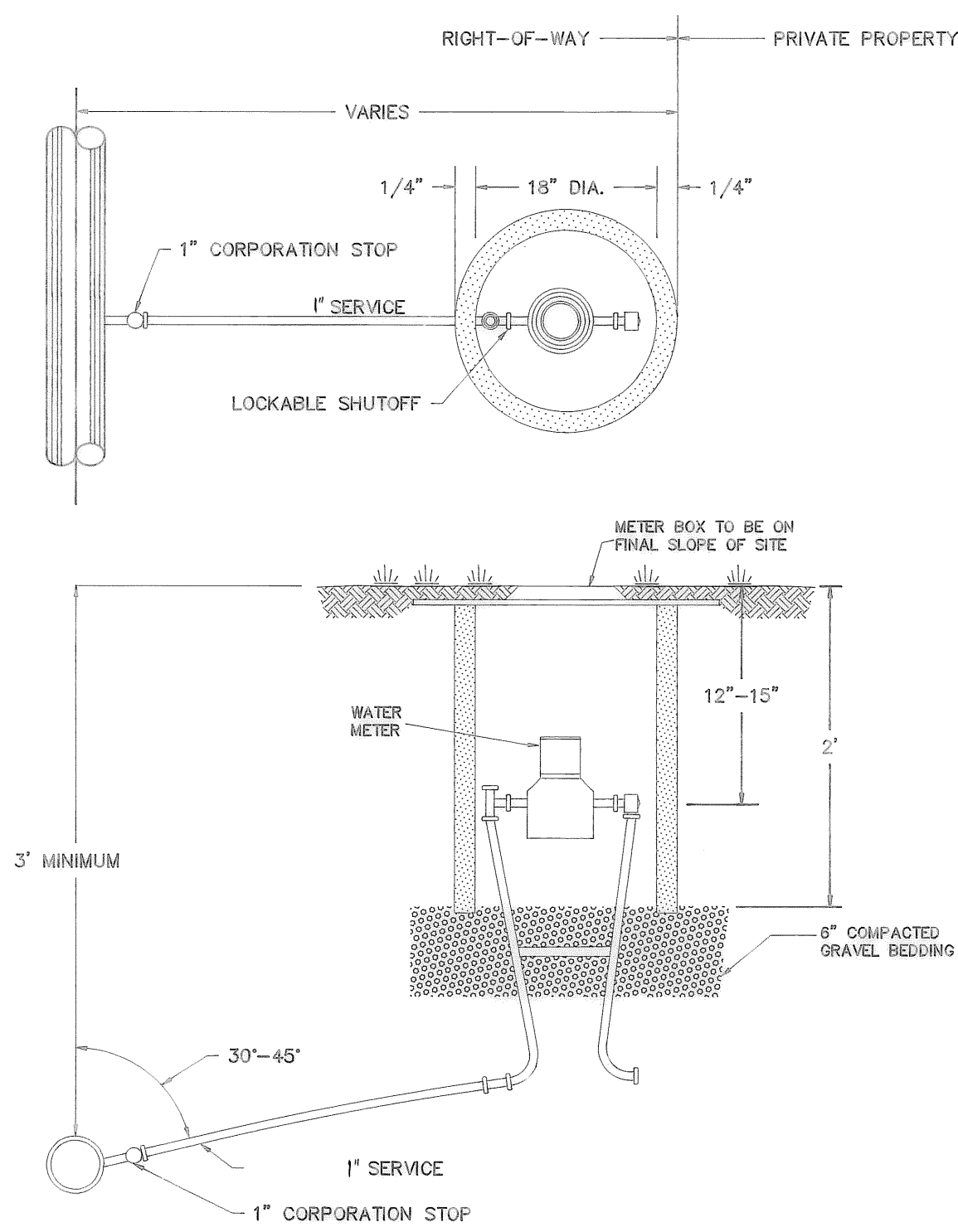
THRUST BLOCK FOR HORIZONTAL & LOWER VERTICAL BENDS



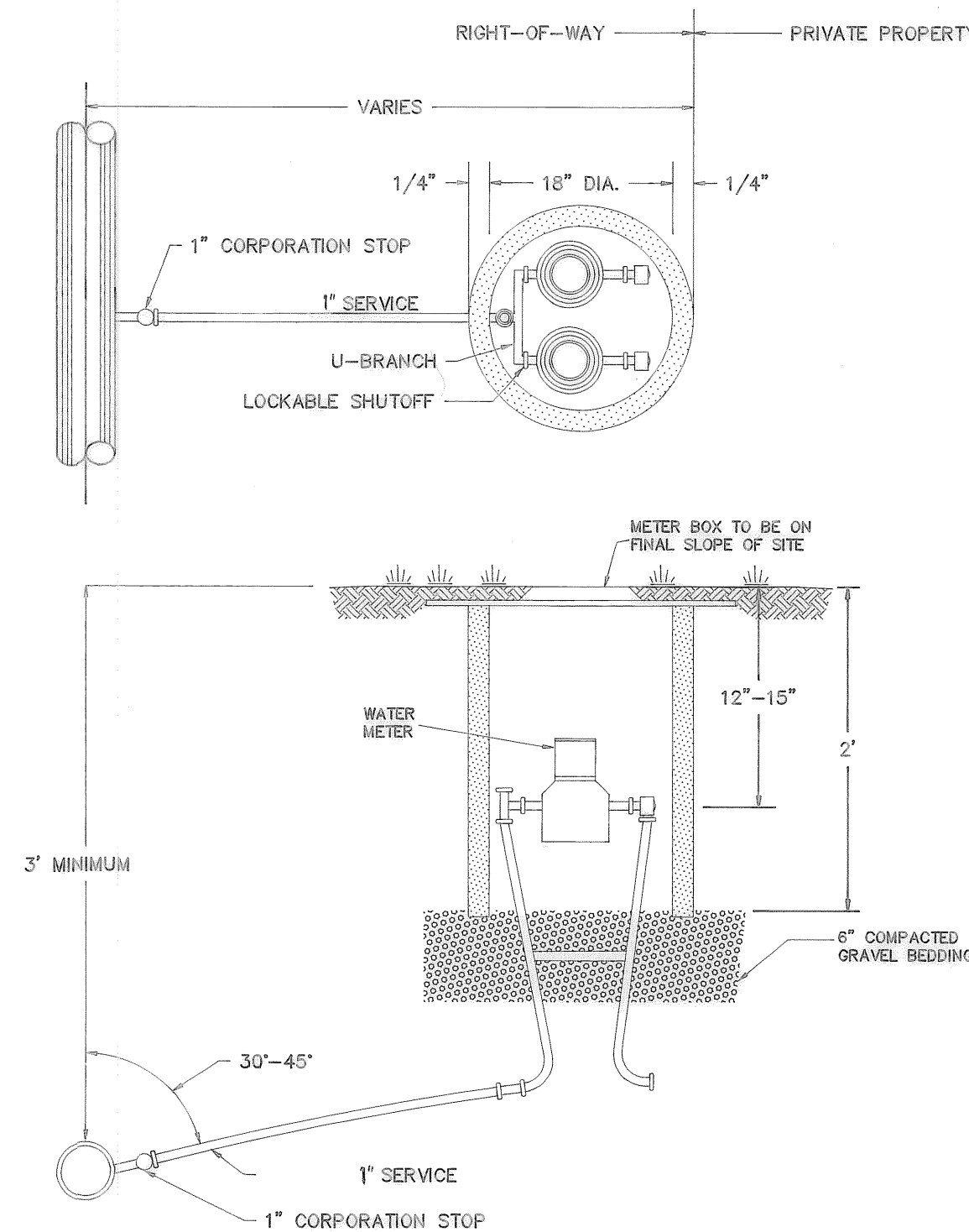
AUTOMATIC AIR RELEASE ASSEMBLY



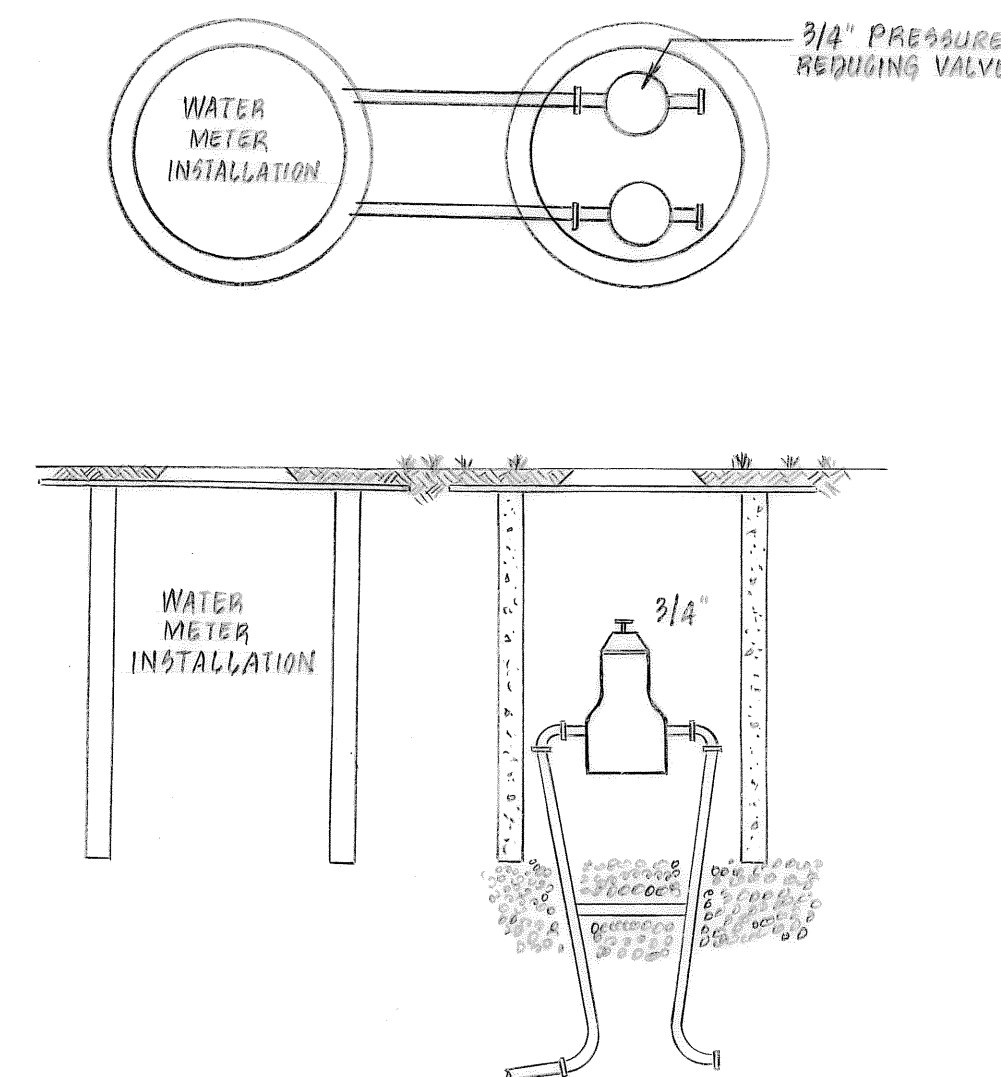
WATER LINE VALVE INSTALLATION



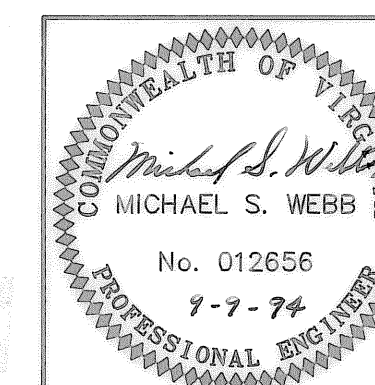
SINGLE RESIDENTIAL WATER SERVICE



DOUBLE RESIDENTIAL WATER SERVICE



PRESSURE REDUCING VALVE DETAIL



REVISION	DATE	DESCRIPTION
DESIGNED	MHW	WATER DETAILS FOR SECTIONS No. 1 & 2 "BoxwoodGreen"
DRAWN	PVR	PREPARED FOR ALOUF CONSTRUCTION AND DEVELOPMENT CO. GILLS CREEK MAGISTERIAL DISTRICT FRANKLIN COUNTY, VIRGINIA
CHECKED	MHW	
LUMSDEN ASSOCIATES, P.C. ENGINEERS-SURVEYORS-PLANNERS ROANOKE, VIRGINIA		SCALE: AS SHOWN DATE: 6 OCT 1994
		COMM: 9-94-48 SHEET 5 of 5