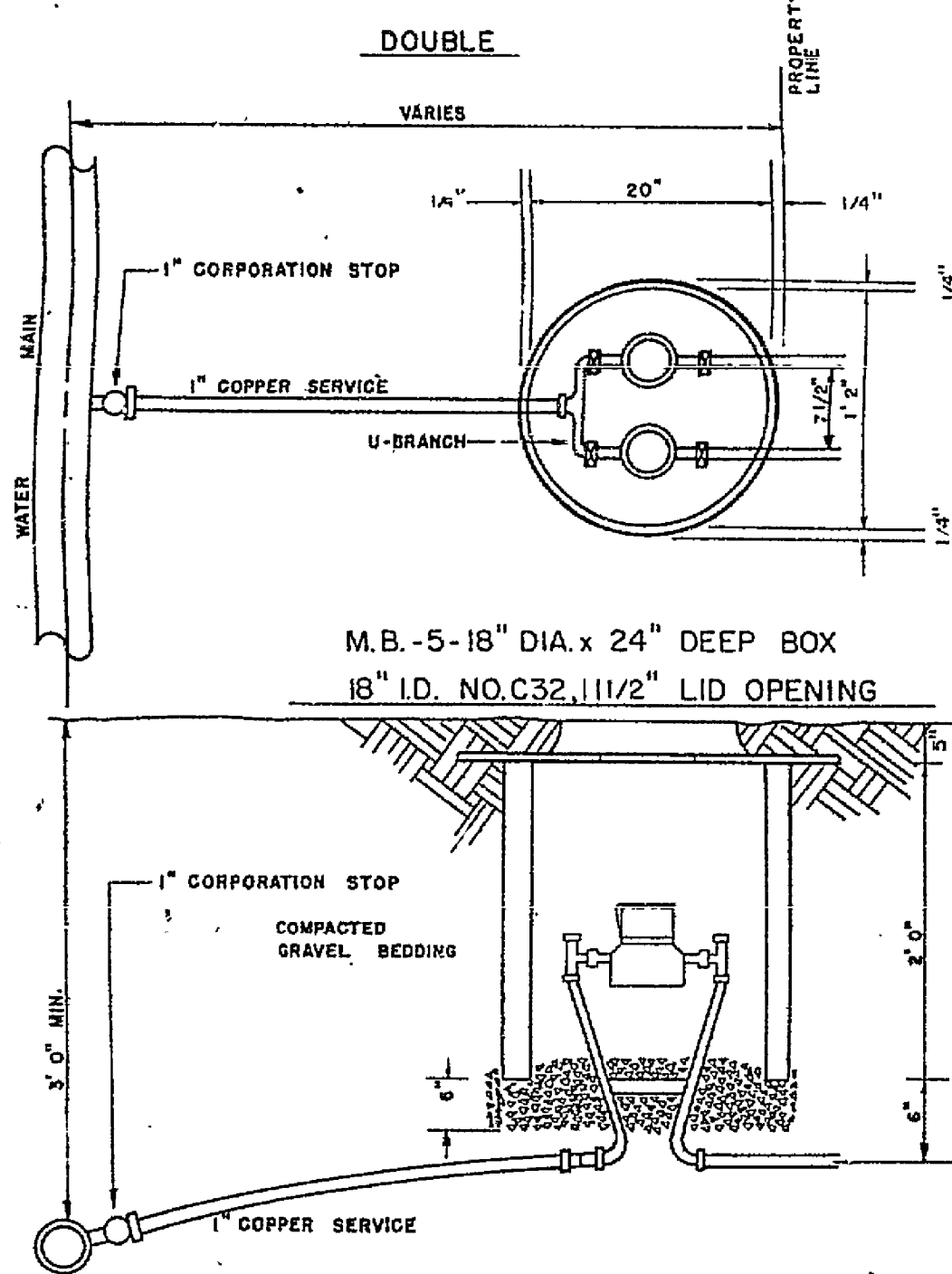
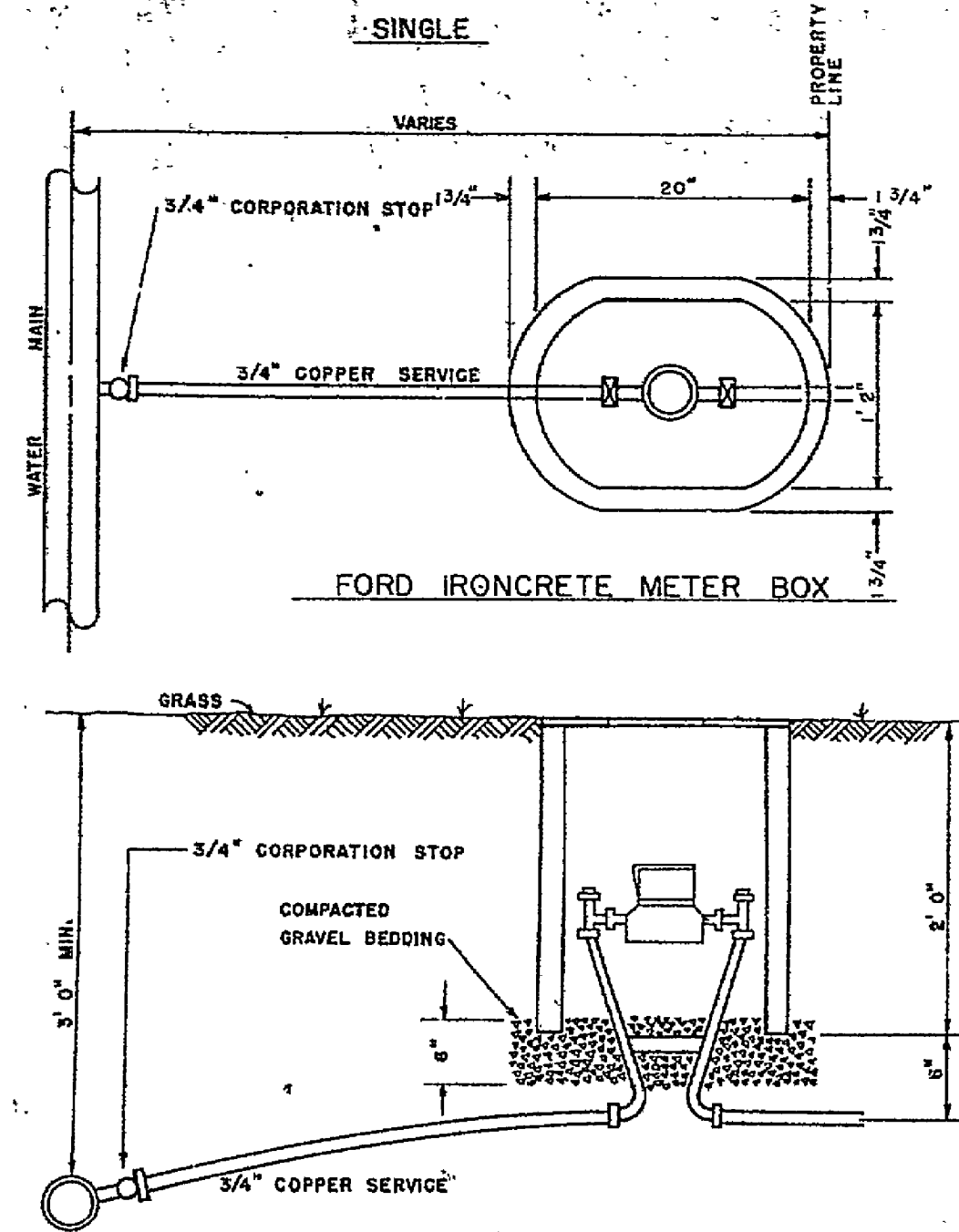


RESIDENTIAL WATER METER INSTALLATION



MATERIALS

METER BOX MUST BE FORD IRONCRETE METER BOX WITH NO. 2 IRONCRETE TOP OR APPROVED EQUIVALENT.

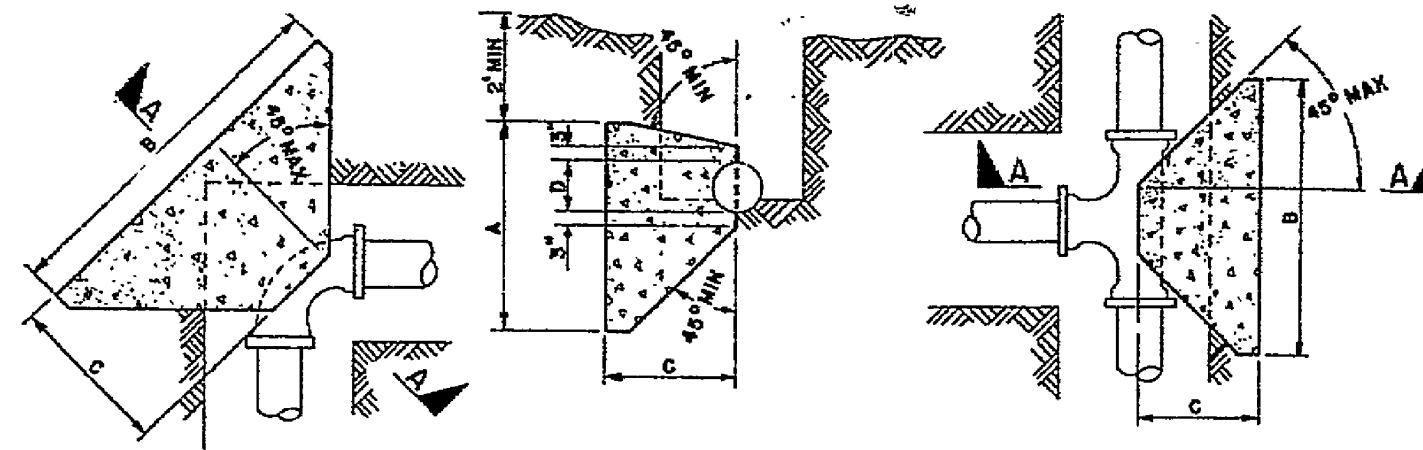
METER SETTER MUST BE FORD V.V. 72-15 WITH PADLOCK WINGS, McDONALD 12-15 V.V.W. OR APPROVED EQUIVALENT.

CORPORATION STOP MUST BE MUELLER H15000, FORD F-600 OR APPROVED EQUIVALENT.

U-BRANCH MUST BE FORD U28-43, MUELLER H-15362, OR APPROVED EQUIVALENT.

THRUST BLOCK

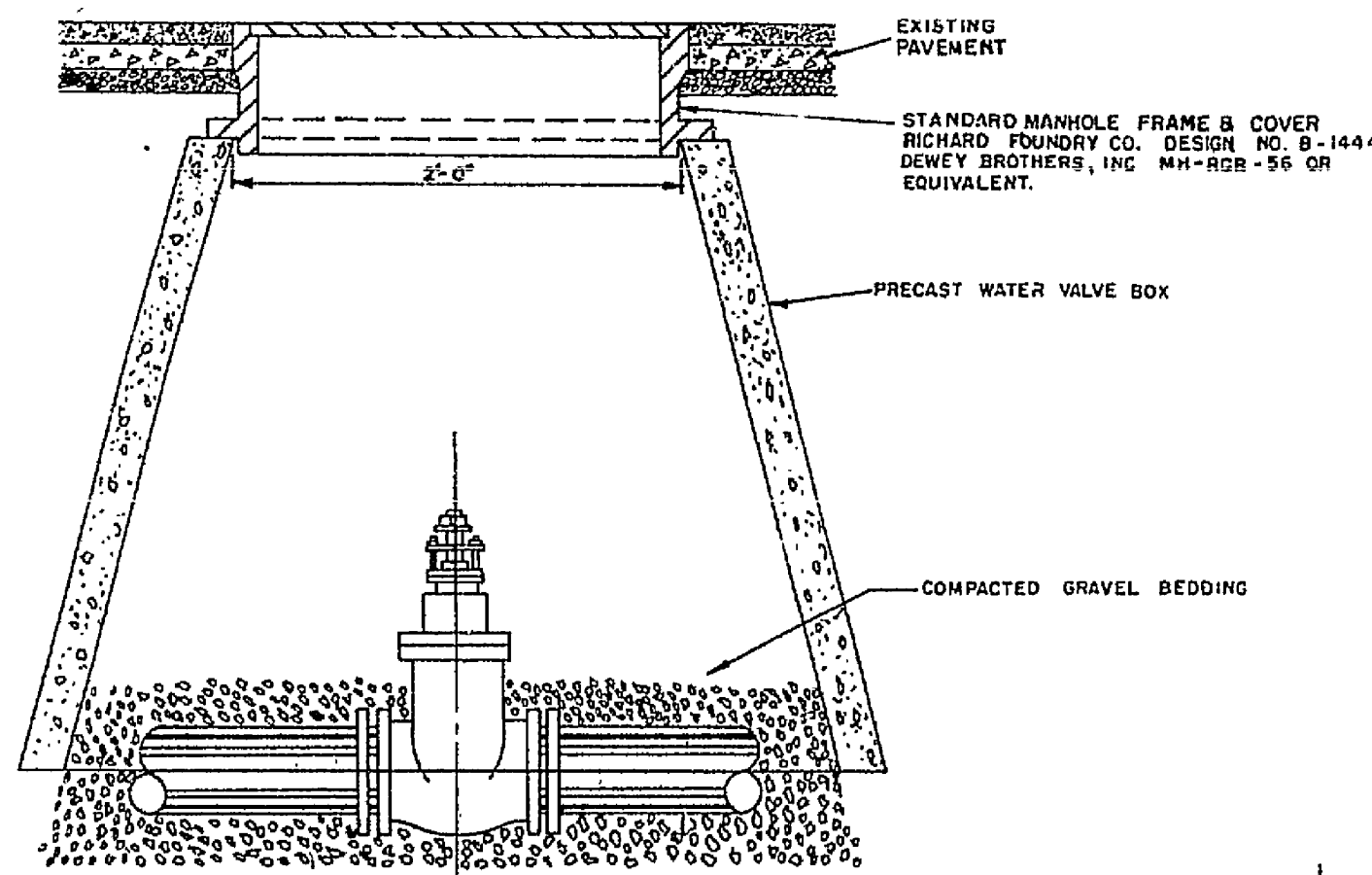
(HORIZONTAL AND VERTICAL BENDS)



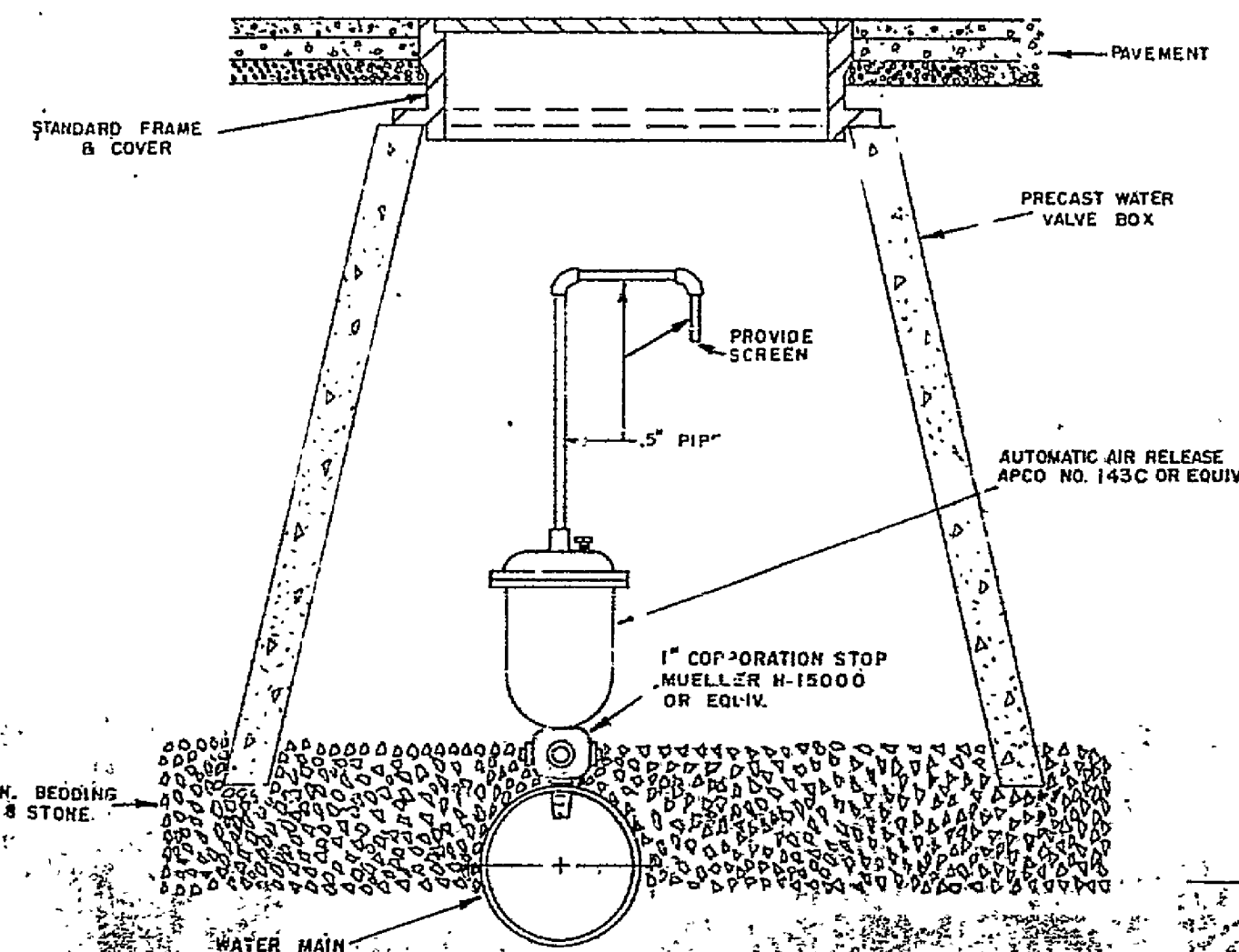
PIPE SIZE	TEE OR DEAD END			90° BEND			45° BEND			22½° & 11¼° BENDS		
	A	B	C	A	B	C	A	B	C	A	B	C
4"	2.0	3.0	1.5	3.0	4.0	1.5	2.0	3.0	1.5	2.0	3.0	1.5
6" - 8"	2.5	4.0	2.0	3.5	4.5	2.0	2.5	3.5	2.0	2.5	3.5	2.0
10"	3.0	4.5	2.0	4.0	5.0	2.5	3.5	4.0	2.0	2.5	4.0	2.5
12"	3.5	5.0	2.5	4.0	6.0	3.0	4.5	4.5	2.5	3.0	4.5	2.5
16"	3.5	5.5	2.5	4.5	6.5	3.0	3.5	5.0	3.0	3.5	5.0	3.0

NOTE: CONCRETE SHALL NOT BE POURED ON JOINTS, LIMITING FLEXIBILITY. ALL TEES, BENDS, PLUGS AND CAPS SHALL BE ANCHORED WITH THRUST BLOCKS

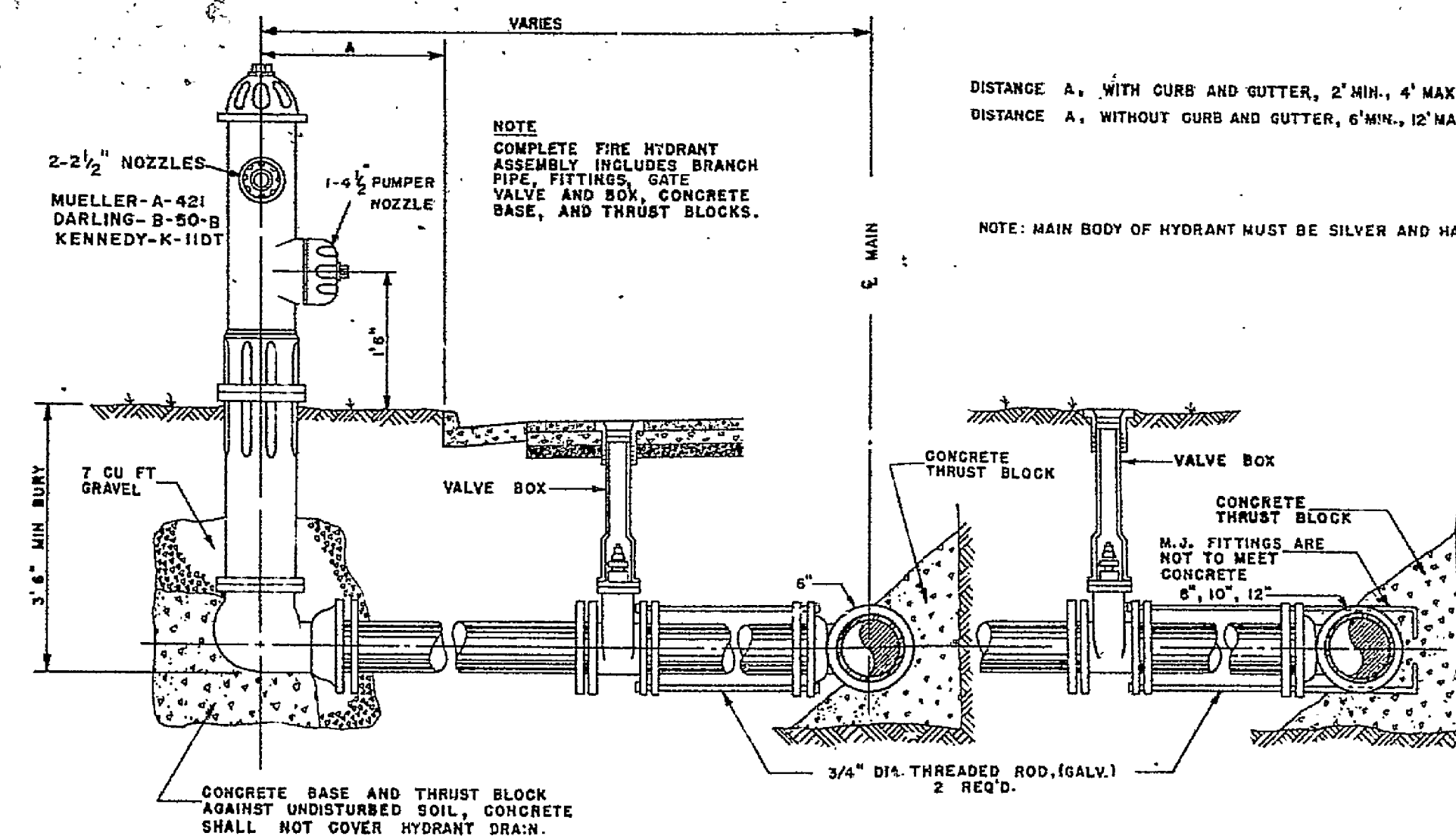
MAIN LINE VALVE INSTALLATION



AUTOMATIC AIR RELEASE ASSEMBLY



FIRE HYDRANT SETTING



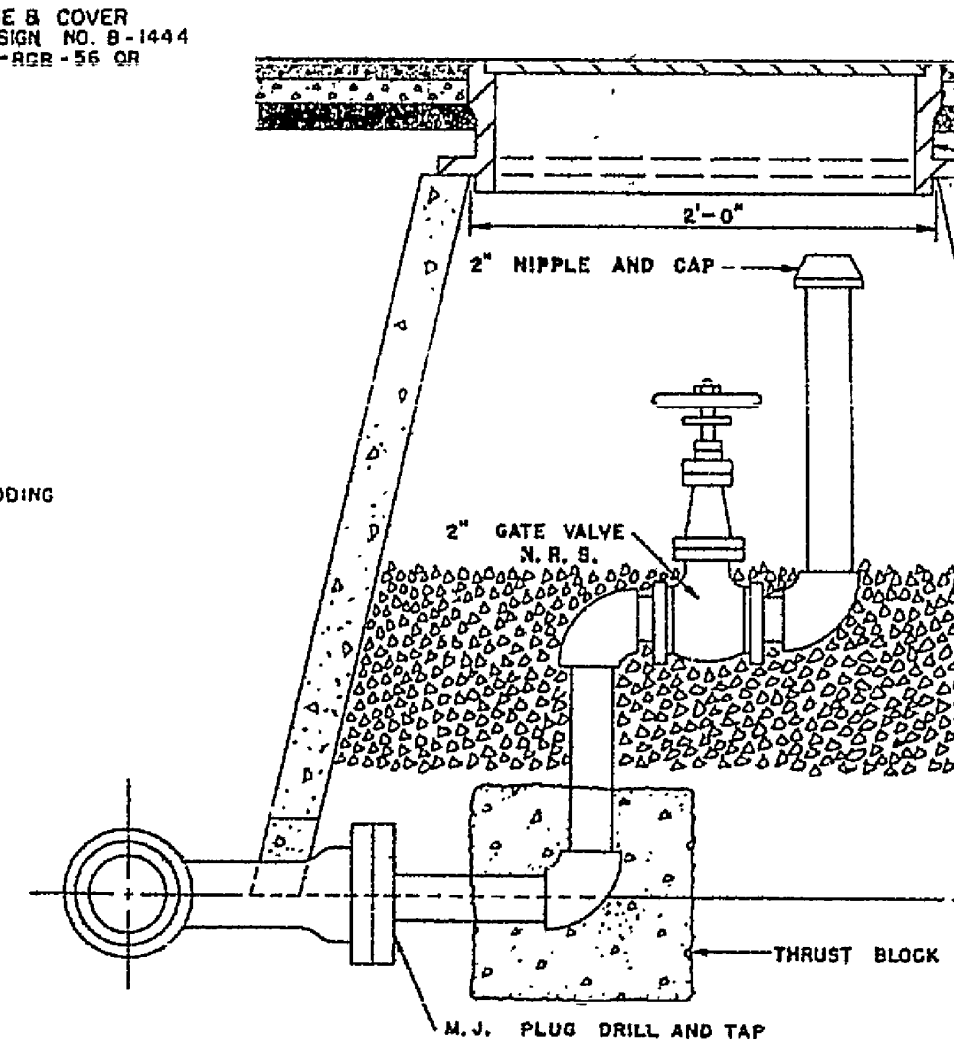
NOTE: COMPLETE FIRE HYDRANT ASSEMBLY INCLUDES BRANCH PIPE, FITTINGS, GATE VALVE, AND BOX, CONCRETE BASE, AND THRUST BLOCKS.

DISTANCE A, WITH CURB AND GUTTER, 2" MIN., 4" MAX. FROM SACK OF CURB.

DISTANCE A, WITHOUT CURB AND GUTTER, 6" MIN., 12" MAX. FROM EDGE OF PAVEMENT.

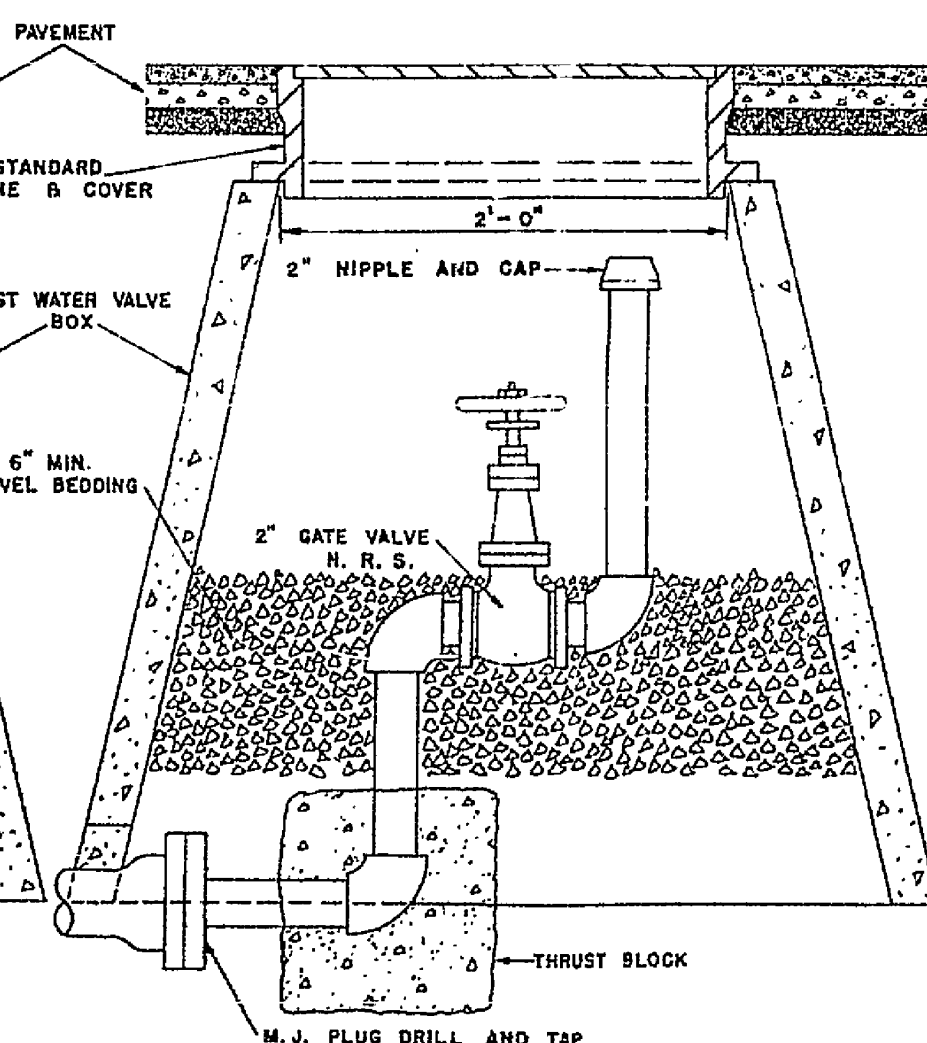
NOTE: MAIN BODY OF HYDRANT MUST BE SILVER AND HAVE RED CAPS & BONNET.

BLOW OFF ASSEMBLY TYPE I

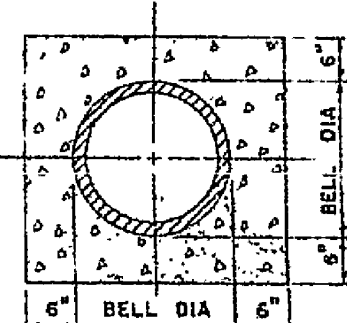


BLOW OFF ASSEMBLY TYPE II

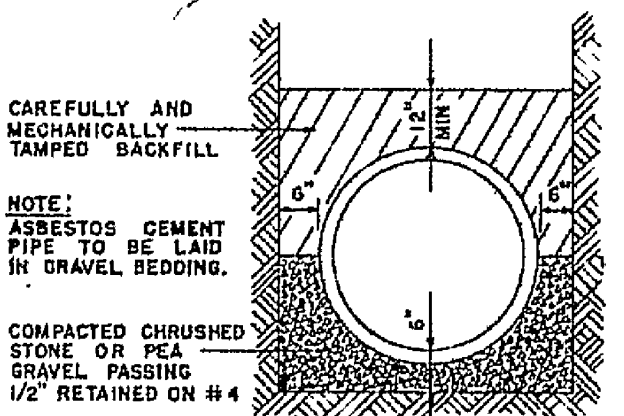
FOR USE AT TERMINAL END OF MAIN



CONCRETE ENCASEMENT



GRAVEL BEDDING

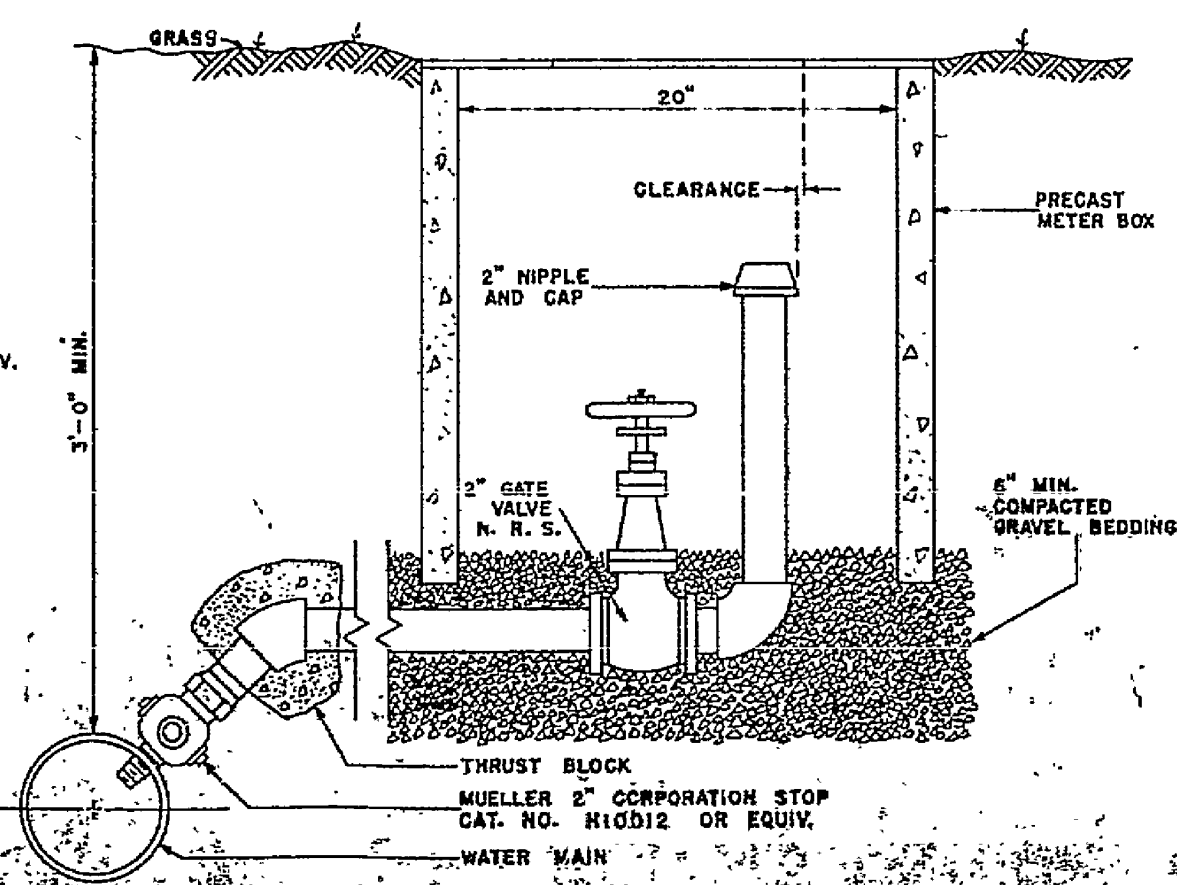


CAREFULLY AND MECHANICALLY TAMPED BACKFILL.

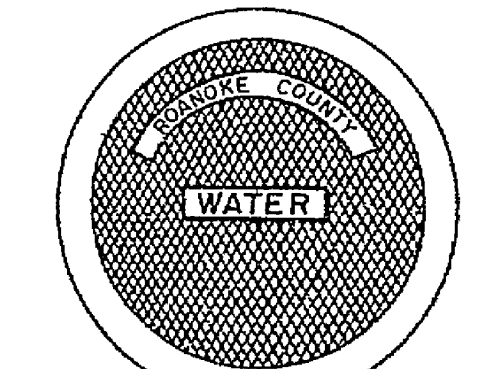
NOTE: ASPHALT CEMENT PIPE TO BE LAID IN GRAVEL BEDDING.

COMPACTED CRUSHED STONE OR PEA GRAVEL PASSING 1/2" RETAINED ON #4

BLOW OFF ASSEMBLY TYPE III



STANDARD WATER COVER



NOTE: STANDARD FRAME & COVER RICHARD FOUNDRY CO. DESIGN NO. B-1444 DEWEY BROTHERS, INC. MH-R2B-56 OR EQUIVALENT.

ROANOKE COUNTY
DEPARTMENT OF
PUBLIC FACILITIES
ENGINEERING DIVISION
WATER DETAILS

SCALE: AS SHOWN

New Branch Office for
Virginia First Savings Bank
HOMER & ASSOCIATES, P.C.
CONSULTING ENGINEERS
REGISTERED PROFESSIONAL ENGINEERS
SPECIALIZING IN LAND PLANNING

RC-0694