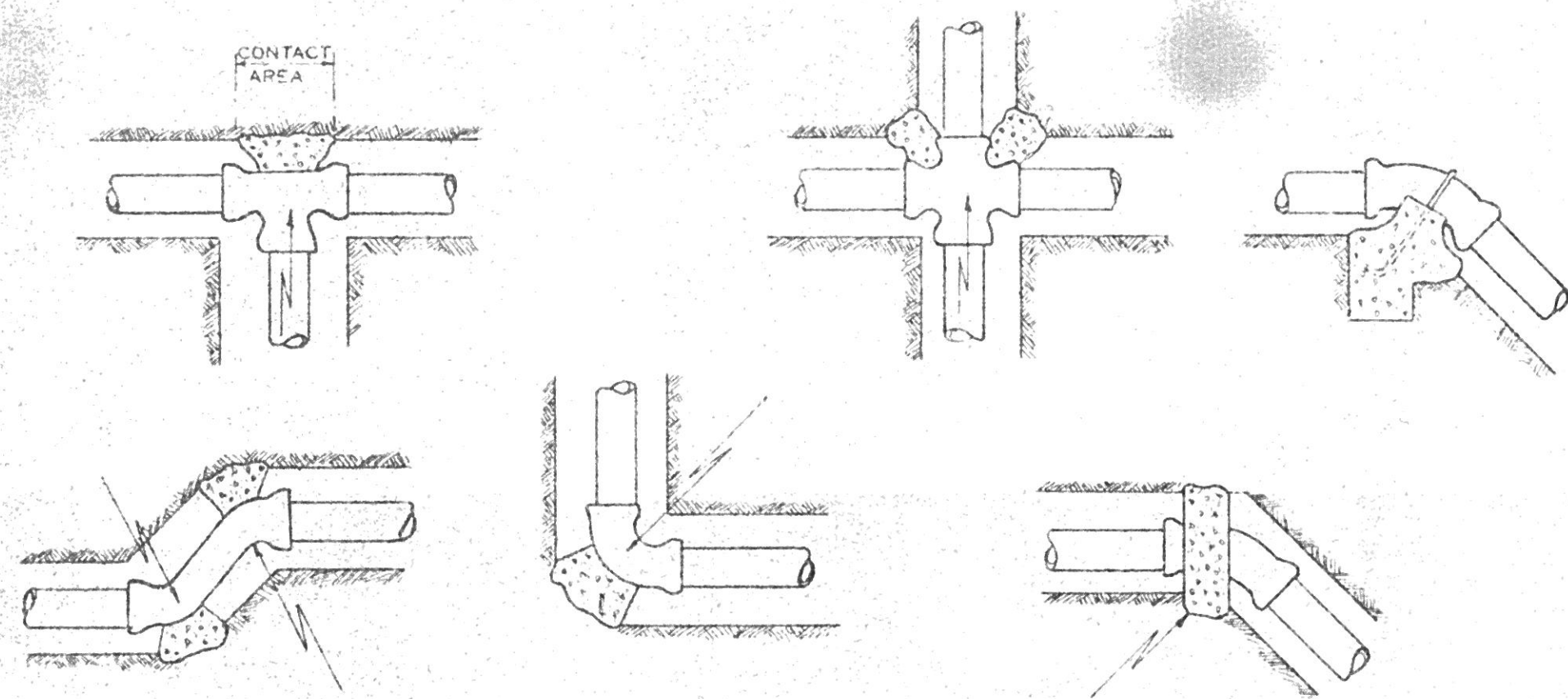
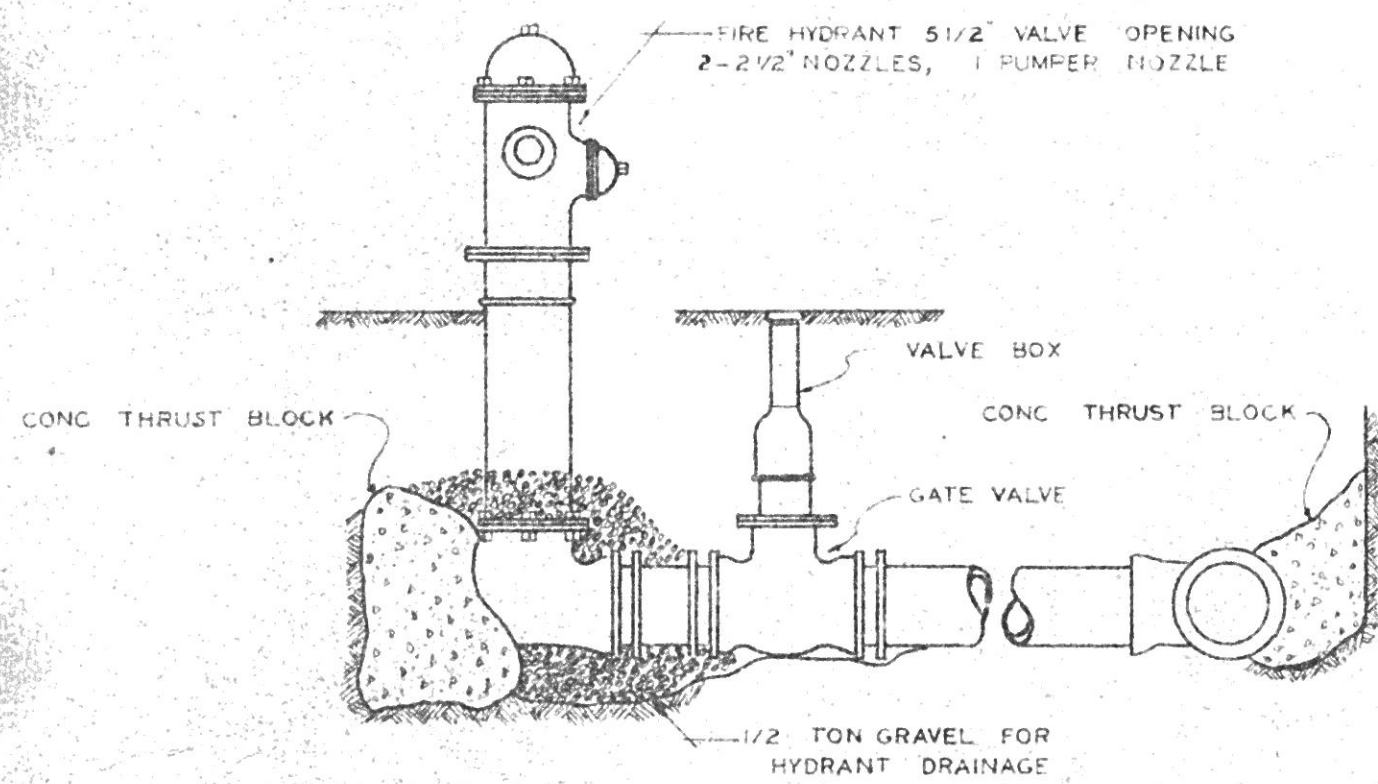


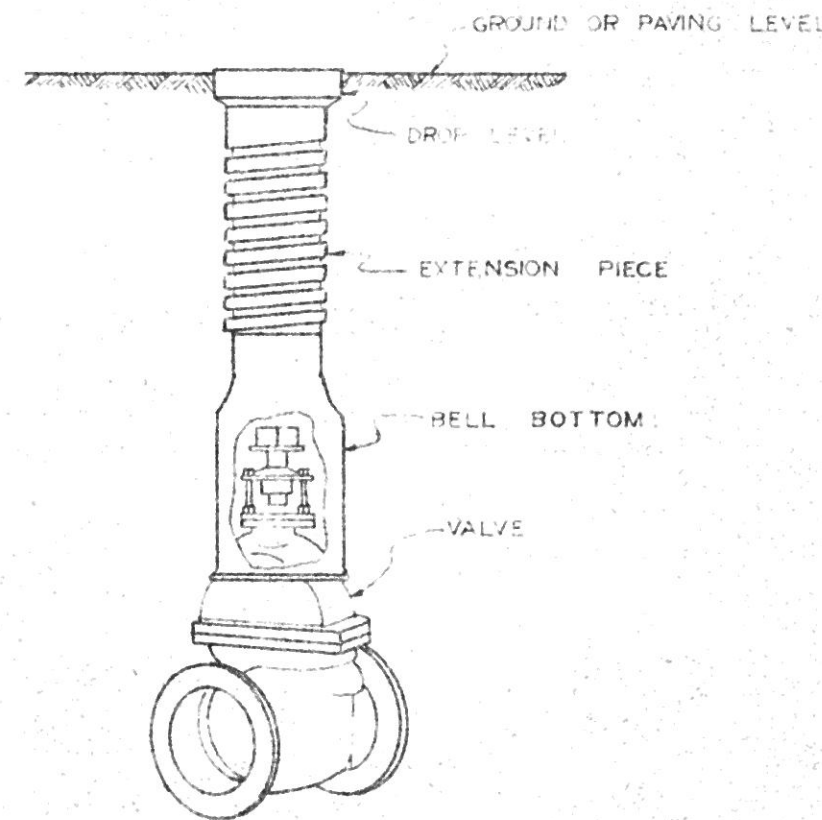
MINIMUM CONTACT AREA IN 50 FEET FOR THRUST BLOCKING 150 PSI & 3000 LB SQUARE FOOT BEARING				
PIPE SIZE	TEE	90° BEND	45° BEND	22 1/2° BEND
6"	2 FT 3 IN	2 FT	1 FT	
8"	3 FT 6 IN	4 FT	1.5 FT	



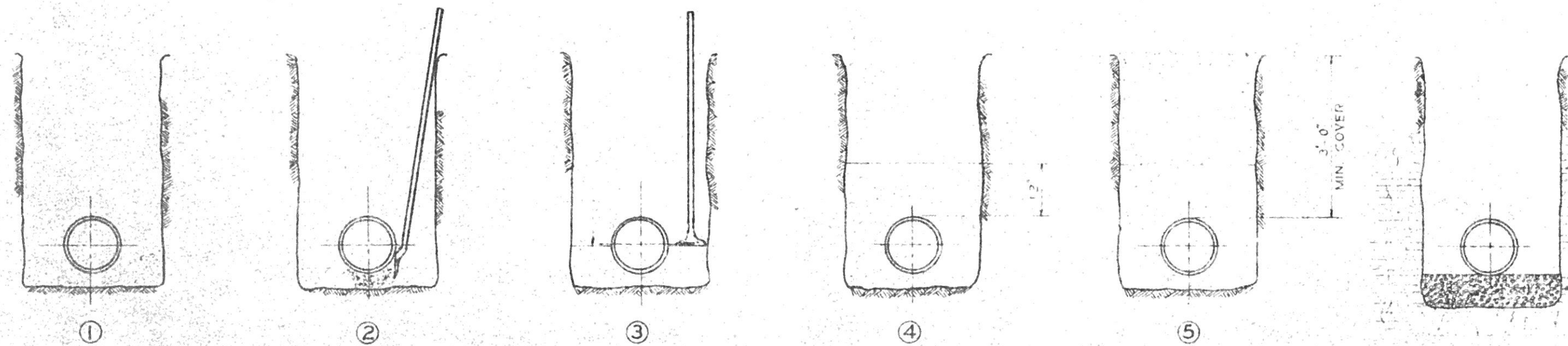
TYPICAL THRUST BLOCKING DETAILS
NO SCALE



TYPICAL FIRE HYDRANT INSTALLATION
NO SCALE

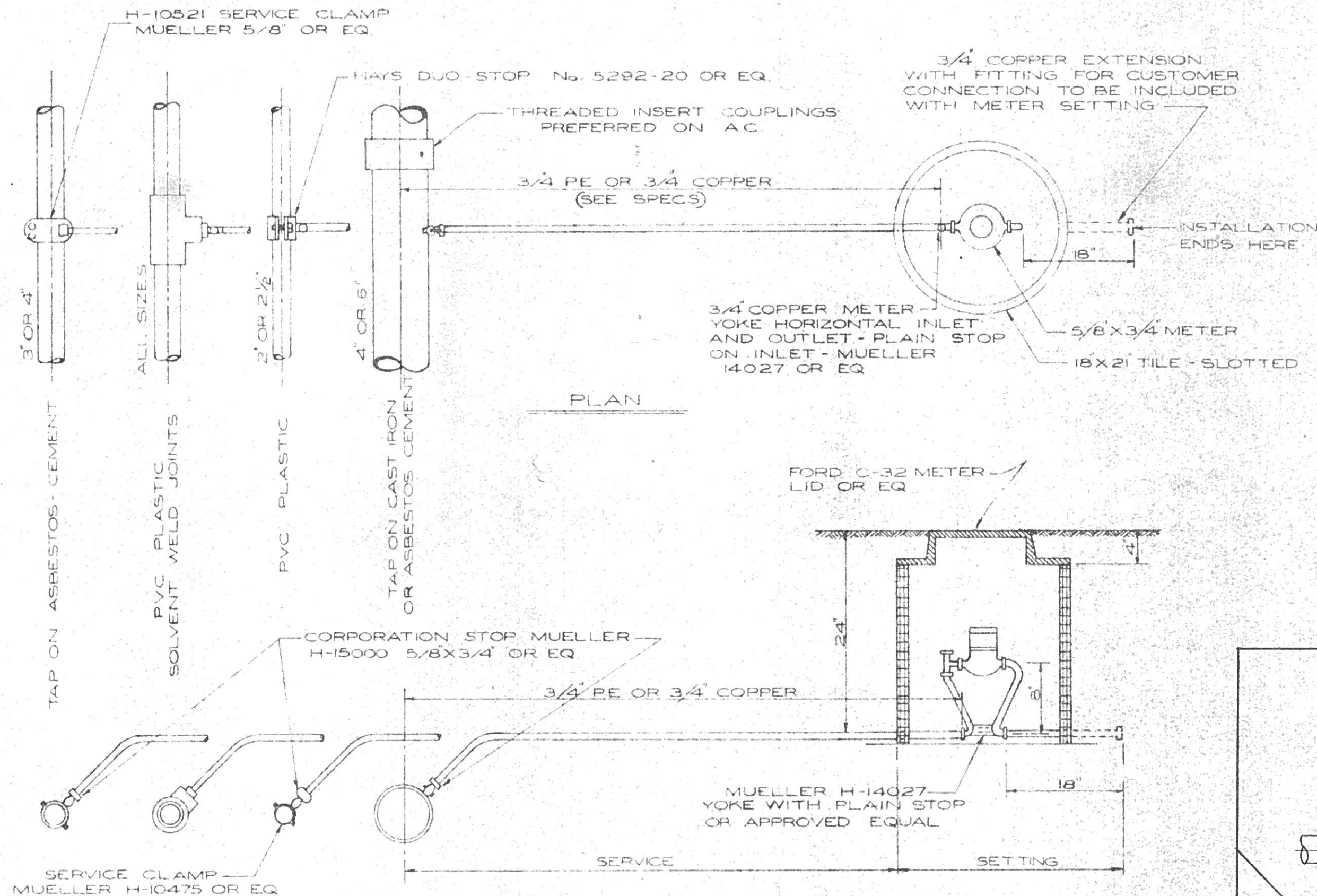


TYPICAL VALVE & VALVE BOX
NO SCALE

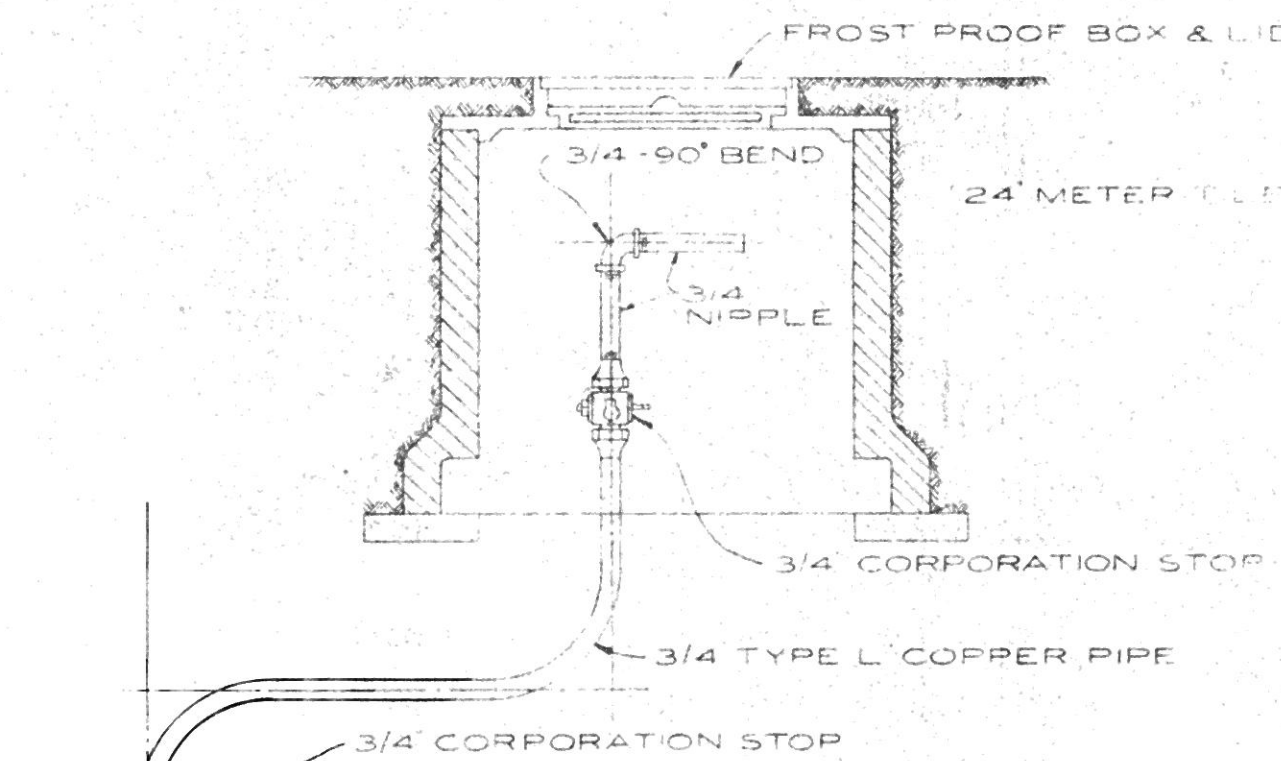


1. PLACE SOIL IN LAYER
2. FORCE SOIL UNDER PIPE WITH TAMP BAR
3. USE FLAT TAMPERS AT SIDES WHEN PIPE IS FIRMLY BEDDED
4. CONTINUE FLAT TAMPING IN 4 LAYERS 12 OVER PIPE
5. MECHANICALLY TAMP IN 6 LAYERS TO EXIST GRADE

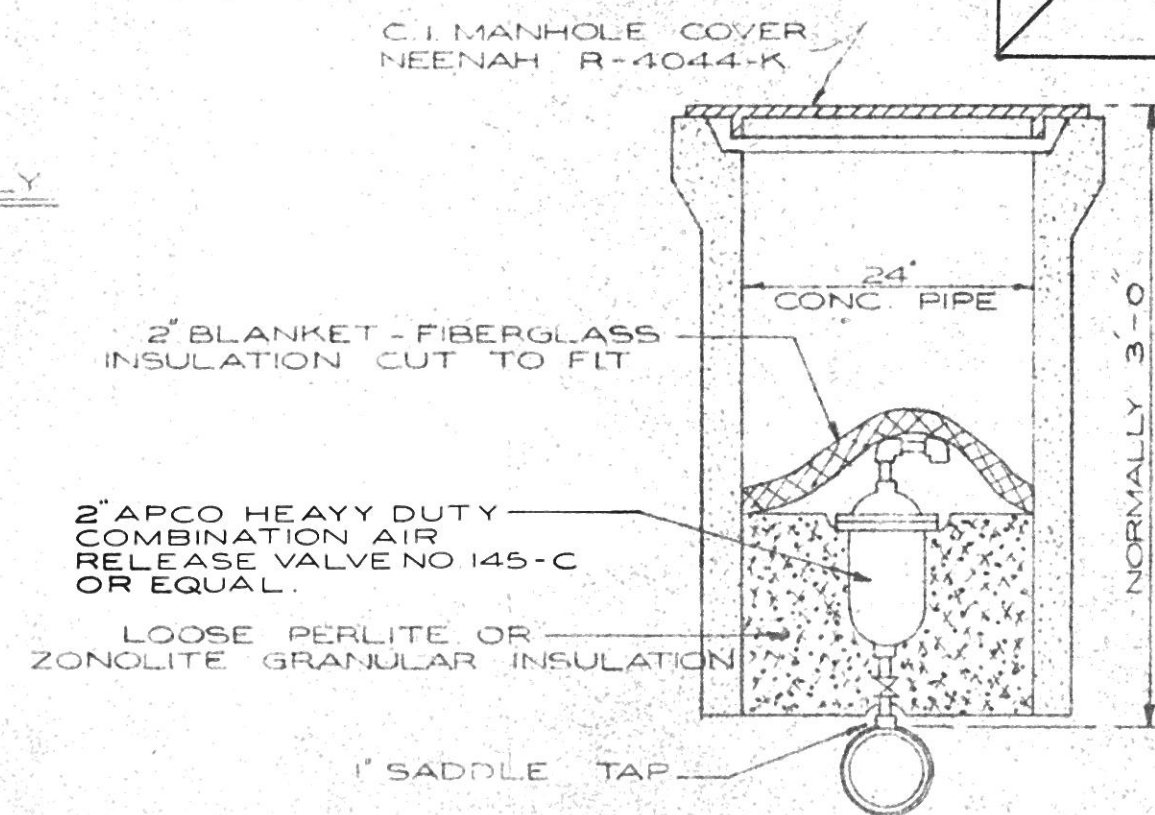
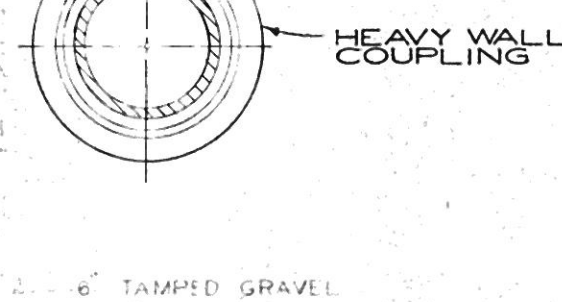
TYPICAL BEDDING
ROCK EXCAVATION
NO SCALE



TYPICAL METER SETTING DETAILS
NO SCALE



BLOW-OFF ASSEMBLY
NOT TO SCALE



DETAIL - AIR RELIEF VALVE
NO SCALE

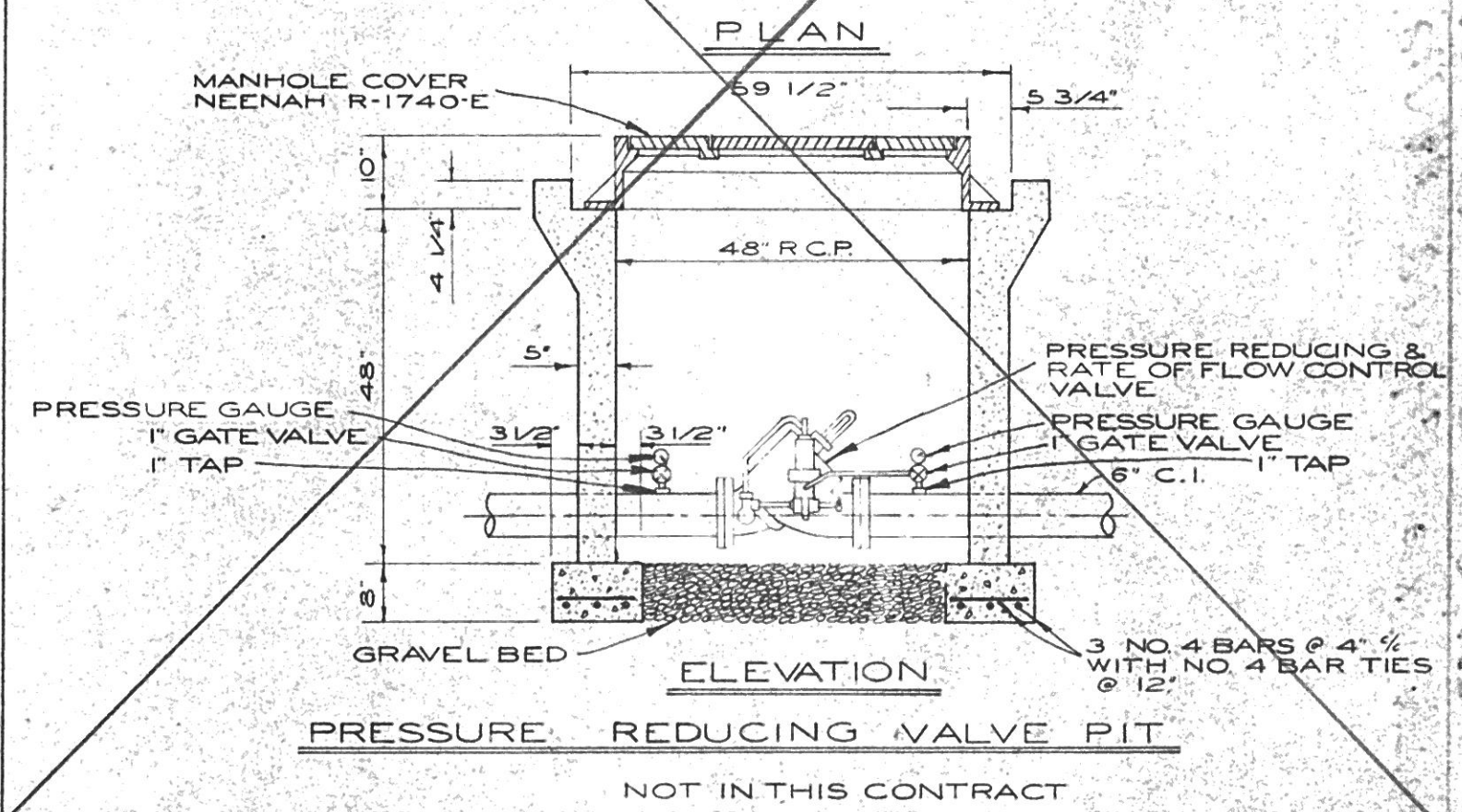
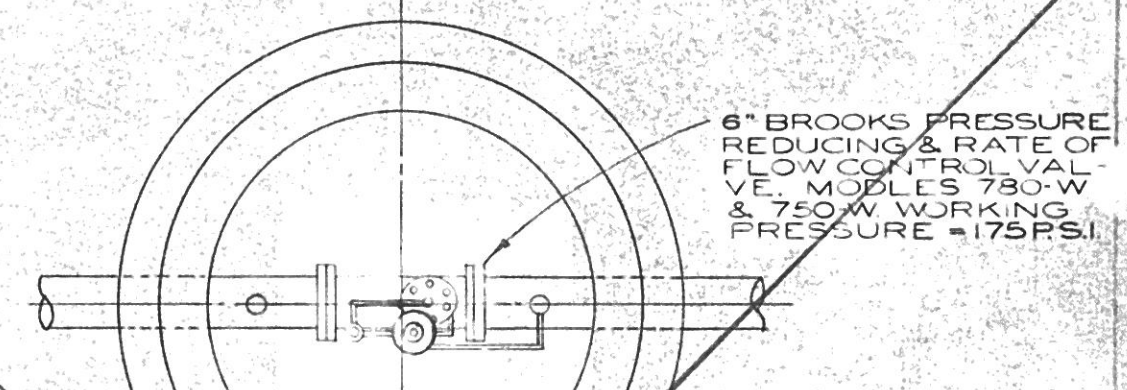
NOTE:
USE OF TRADE NAME IS
INDICATIVE OF MATERIAL DESIRED
APPROVE MATERIAL OF EQUAL
QUALITY ACCEPTABLE

BILL OF MATERIALS

SERVICE 3/4" COPPER
1-5/8x3/4" CORP STOP MUELLER H-15000
NOTE: SERVICE CLAMPS AS REQUIRED

METER SETTING 5/8x3/4"

1-16x21" METER TILE - SLOTTED
1-11" LID FOR METER BOX - FORD C-32 OR EQ
1-5/8x3/4" METER
1-METER YOKE WITH PLAIN STOP



NOT IN THIS CONTRACT

NO.	DATE	REVISIONS	DESCRIPTION
MUNICIPAL UTILITY COMMISSION CITY OF ST. ALBANS KANAWHA COUNTY WEST VIRGINIA			
MISCELLANEOUS DETAILS			
CHECKED BY G.A.C.	APPROVED BY T.J.B.	DATE SEPT. 1974	SCALE AS SHOWN
KELLEY, GIDLEY, STAUB & BLAIR, INC. CONSULTING ENGINEERS - CHARLESTON, WEST VIRGINIA			C-2806