

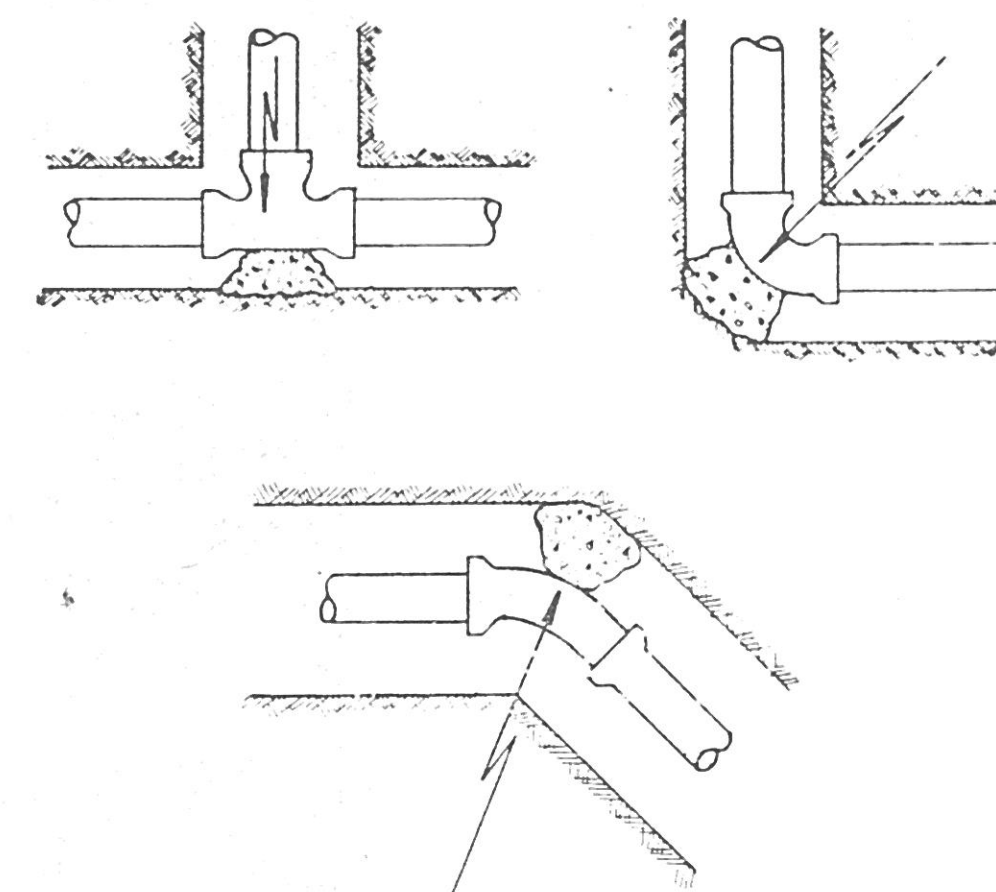
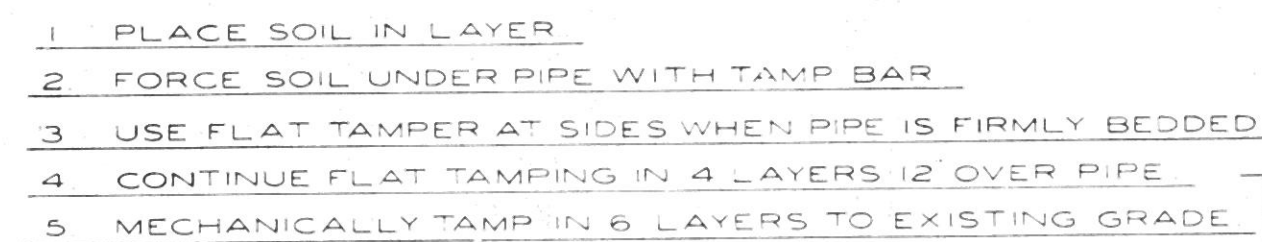


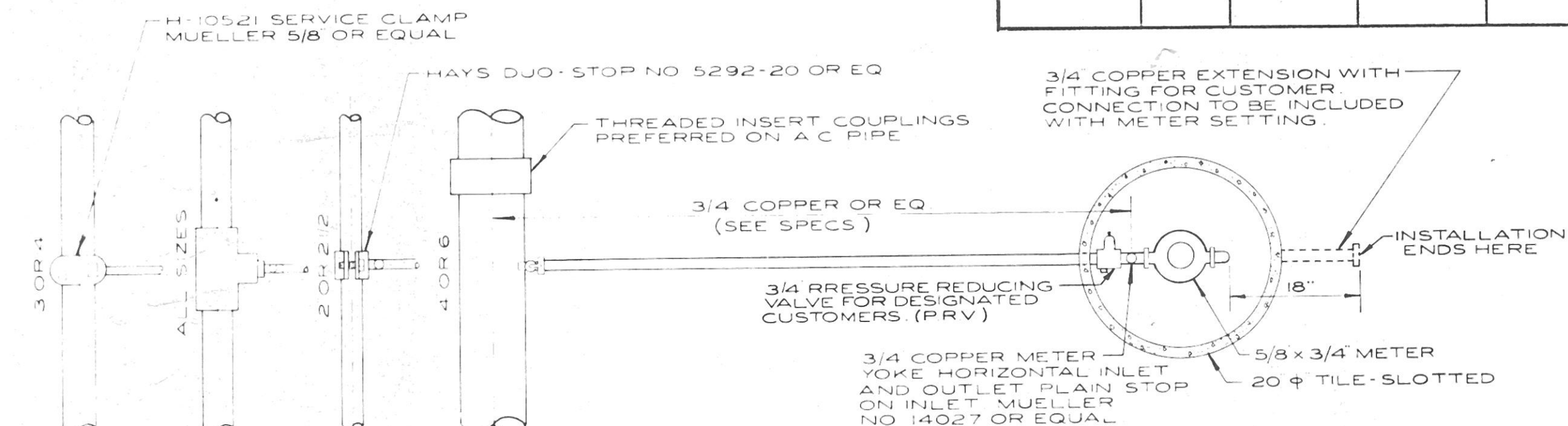
Diagram illustrating the assembly of a valve with a fence post extension. The diagram shows a vertical pipe (labeled "PIPE") and a horizontal pipe (labeled "ING GRADE"). A fence post (labeled "1 1/2\" Φ METAL FENCE POST PAINTED YELLOW LOCATED IN FIELD APPROX 5' FROM VALVE") is shown extending from the ground level (labeled "GROUND OR PAVING LEVEL") down to the valve (labeled "VALVE"). The fence post is shown with a "DROR LEVEL" (likely "DRILL LEVEL") and an "EXTENSION PIECE" (labeled "EXTENSION PIECE"). The valve is shown with a "BELL BOTTOM" (labeled "BELL BOTTOM").

Technical drawing of a frost proof box and line connection. The drawing shows a cross-section of a box with a 3/4 inch 90-degree bend, a 3/4 inch nipple, a 3/4 inch corporation stop, and a 3/4 inch type L copper pipe. A heavy wall coupling is shown on the left, connected to the 3/4 inch corporation stop. The box is labeled "FROST PROOF BOX & LINE" and "24 METER TILE".

Diagram illustrating the trench construction for a carrier pipe. The trench is shown with a central section labeled "PAVEMENT WIDTH" and two side sections labeled "GRAVEL SHOULDER TO BE RESTORED USING NO. 308-1, CLASS 7, TYPE A AGGREGATE". The gravel shoulders are specified to be "5 MIN" thick. The trench is closed at both ends with "90° OR 45° BEND" fittings and "THRUST BLOCKING". The carrier pipe is shown with a "CASING PIPE" above it, and the distance between them is labeled "3.0 MIN".

WATTS NO. U5 OR WILKINS
SERIES 600 PRESSURE
REDUCING VALVE

MINIMUM CONTACT AREA IN SQ. FT. FOR THRU-DRILL BLOCKING BASED ON 2000 LB. SQUARE FOOT BEARING							
PIPE SIZE	TEE	90° BEND	60° BEND	45° BEND	30° BEND	22½° BEND	11½° BEND
100 PSIG INTERNAL PRESSURE							
4"	1	1	1	1			
6"	2	2	2	1	1	1	
8"	3	3	3	2	1	1	
12"	6	8	6	4	3	2	1
14"	8	11	8	6	4	3	2
16"	10	14	10	8	5	4	2
18"	13	18	13	10	7	5	3
20"	16	22	16	12	8	6	3
24"	23	32	23	17	12	8	5
150 PSIG INTERNAL PRESSURE							
4"	1	1	1	1	½		
6"	2	3	2	2	2	1	
8"	4	5	3	3	4	3	1
12"	8	12	8	6	6	5	2
14"	12	16	12	9	6	5	2
16"	15	21	15	12	8	6	3
18"	19	27	19	15	10	8	4
20"	24	33	24	18	12	9	5
24"	34	48	34	26	18	13	7
200 PSIG INTERNAL PRESSURE							
4"	1	2	1	1	1		
6"	3	4	3	2	2	1	1
8"	5	7	4	4	3	2	1
12"	11	16	11	9	6	4	2
14"	16	22	16	12	8	6	3
16"	20	29	20	15	11	8	4
18"	26	36	26	20	13	10	5
20"	31	42	31	24	16	12	6
24"	45	64	45	35	21	18	8
250 PSIG INTERNAL PRESSURE							
4"	1.5	2.5	1.5	1.5	1	1	1
6"	3.5	5	3.5	3	2	1.5	1
8"	6.5	9	6.5	5	3.5	2.5	1.5
12"	15	20	15	11	7.5	5.5	3
16"	25	36	25	19.5	13.5	10	5
20"	40	56	40	30	21	15.5	8
24"	57	80	57	44	30	22	11.5



TAP ON ASBESTOS CEMENT
 PVC PLASTIC
 SOLVENT WELD JOINTS
 TAP ON CAST IRON, OR ASBESTOS CEMENT
 CORPORATION STOP MUELLER H-15000 5/8 x 3/4 OR EQ.
 3/4 COPPER OR EQ. (SEE SPECS)
 FORD C-3 METER L/D OR EQ.
 24
 18
 MUeller H-14027 YORE WITH PLAIN STOP OR APPROVED EQ.
 SERVICE
 SETTING

FORD 6-3 METER
LID OR EQ

24

EQ

H-14027
WITH PLAIN
R APPROVED

18

SETTING

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

1-5/8" x 3/4" CORPORATION STOP-MUELLER
NO H-15000 NOTE SERVICE CLAMPS
AS REQUIRED.

- 1- 18" x 21" METER TILE - SLOTTED
- 1- 11" LID FOR METER BOX - FORD C-32 OR EQ
- 1- 5/8" x 3/4" METER
- 1- METER YOKE WITH PLAIN STOP

8		KELLEY, GIDLEY, BLAIR & WOLFE, INC. CONSULTING ENGINEERS CHARLESTON, WEST VIRGINIA																									
7		CITY OF ST. ALBANS KANAWHA COUNTY WEST VIRGINIA																									
6																											
5		MISCELLANEOUS DETAILS																									
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1		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">DRAWN</td> <td style="width: 15%;">JRS</td> <td style="width: 15%;">CHECKED</td> <td style="width: 15%;">DAW</td> <td style="width: 20%;">PROJECT 93400</td> <td style="width: 20%;">DATE NOV. 82</td> </tr> <tr> <td>DRAWN</td> <td></td> <td>APPROVED</td> <td>HRC</td> <td colspan="2">DRAWING NO.</td> </tr> <tr> <td>NO</td> <td>DATE</td> <td colspan="2"></td> <td colspan="2" rowspan="2" style="text-align: center; vertical-align: middle;"> 93410 </td> </tr> <tr> <td colspan="2">REVISIONS</td> <td>DRAWN</td> <td></td> </tr> </table>				DRAWN	JRS	CHECKED	DAW	PROJECT 93400	DATE NOV. 82	DRAWN		APPROVED	HRC	DRAWING NO.		NO	DATE			93410		REVISIONS		DRAWN	
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