

· PREFACE

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IN AN EFFORT TO STANDARDISE CONSTRUCTION PRACTICES OF EASTERN CARIBBEAN WATER UTILITIES THUS AVOIDING TIME-CONSUMING AD HOC DECISIONS AND INDIVIDUAL METHODOLOGY, A SET OF TYPICAL DETAILED DRAWINGS WERE PREPARED.

THE STANDARD CONSTRUCTION DETAILS PRESENTED IN THIS BOOKLET, PREPARED AND COMPILED BY J.C. ROYER, CIVIL ENGINEER-ING TECHNOLOGIST, ARE INTENDED TO PROVIDE THE ENGINEERS, SUPERVISORS AND CONSTRUCTION FOREMEN IN WATER SYSTEM CON-STRUCTION WITH A COMPREHENSIVE SET OF GUIDELINE DRAWINGS DIRECTLY APPLICABLE TO WATERWORKS CONSTRUCTION.

THESE DRAWINGS ARE BY NO MEANS THE BE ALL AND END ALL BUT SIMPLY A GUIDE TO CONSTRUCTION PRACTICES AND METHODOLOGY IN AN EFFORT TO STANDARDISE CONSTRUCTION PRACTICES THROUGHOUT THE EASTERN CARIBBEAN WATER UTILITIES.

STANDARD DETAIL DRAWINGS - WATERWORKS

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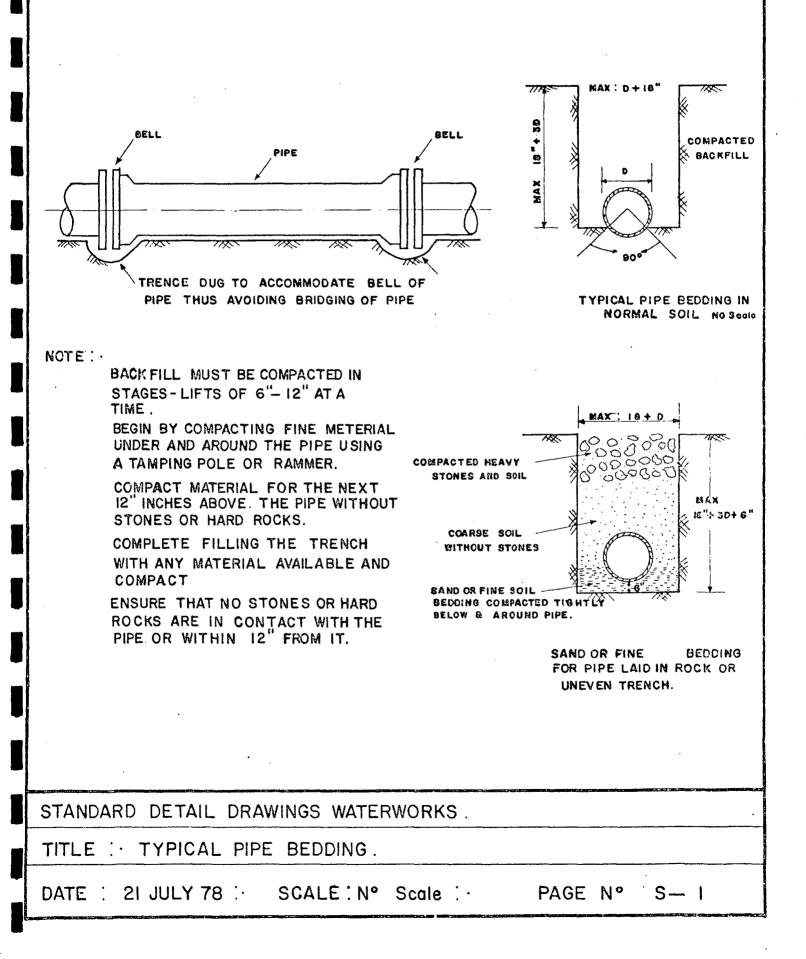
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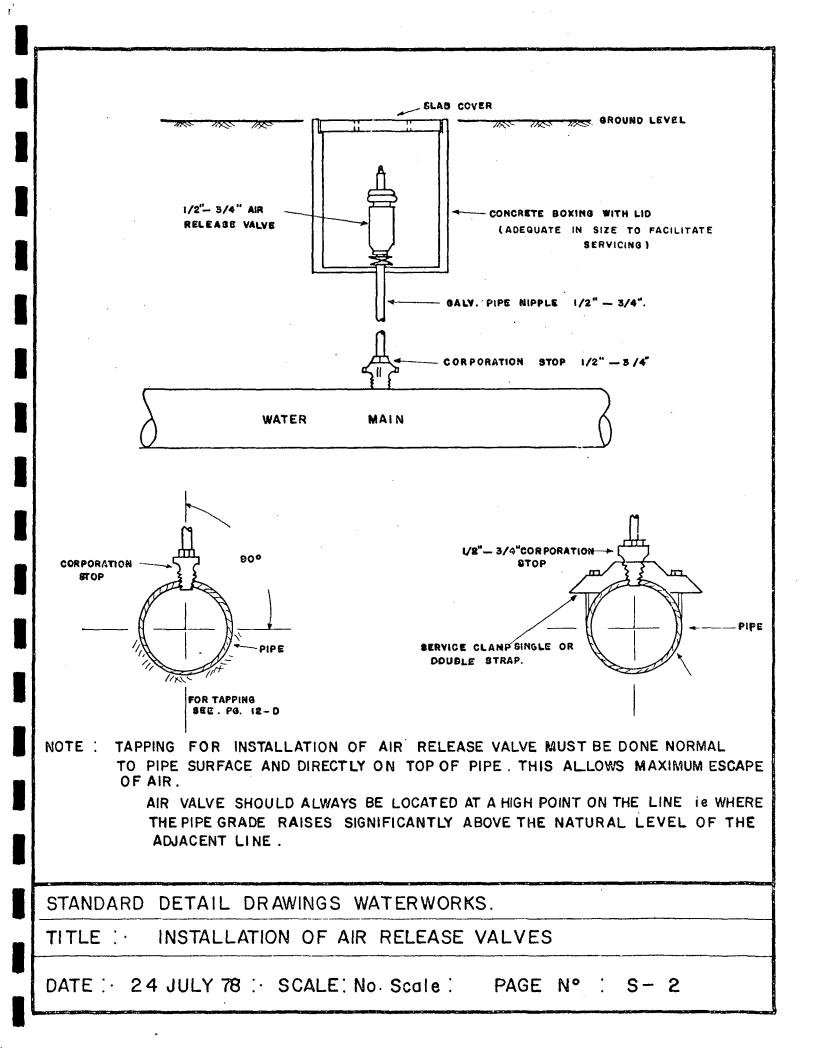
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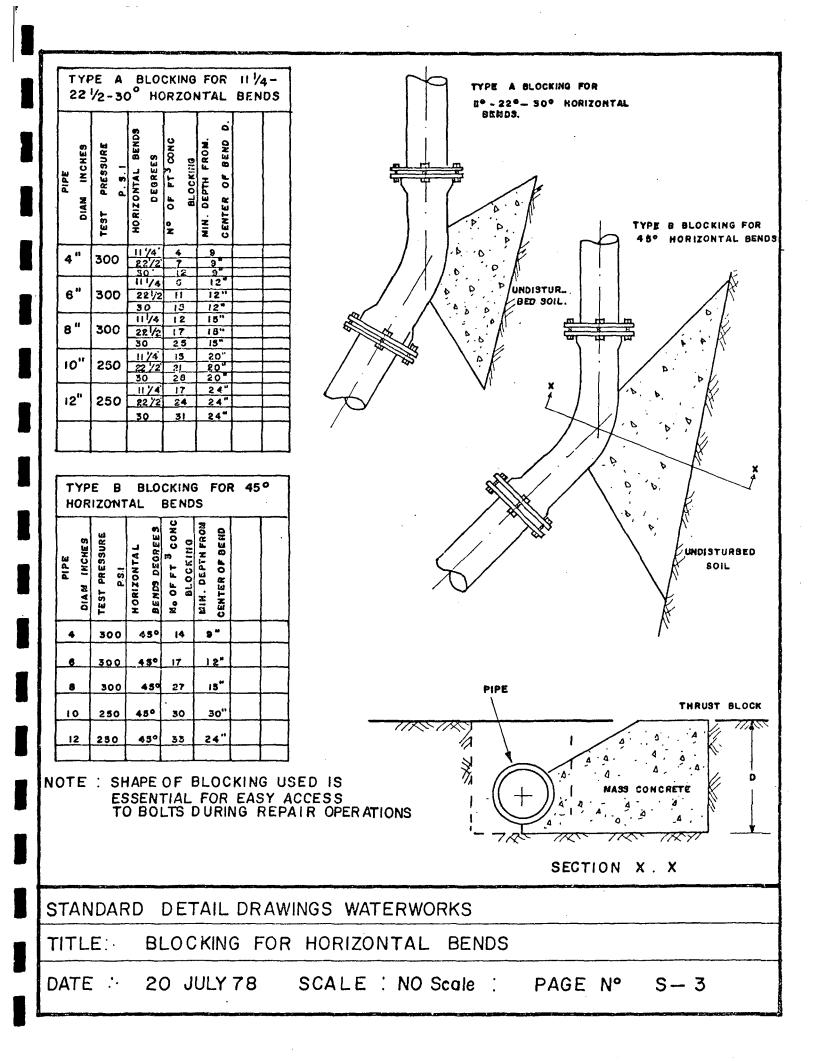
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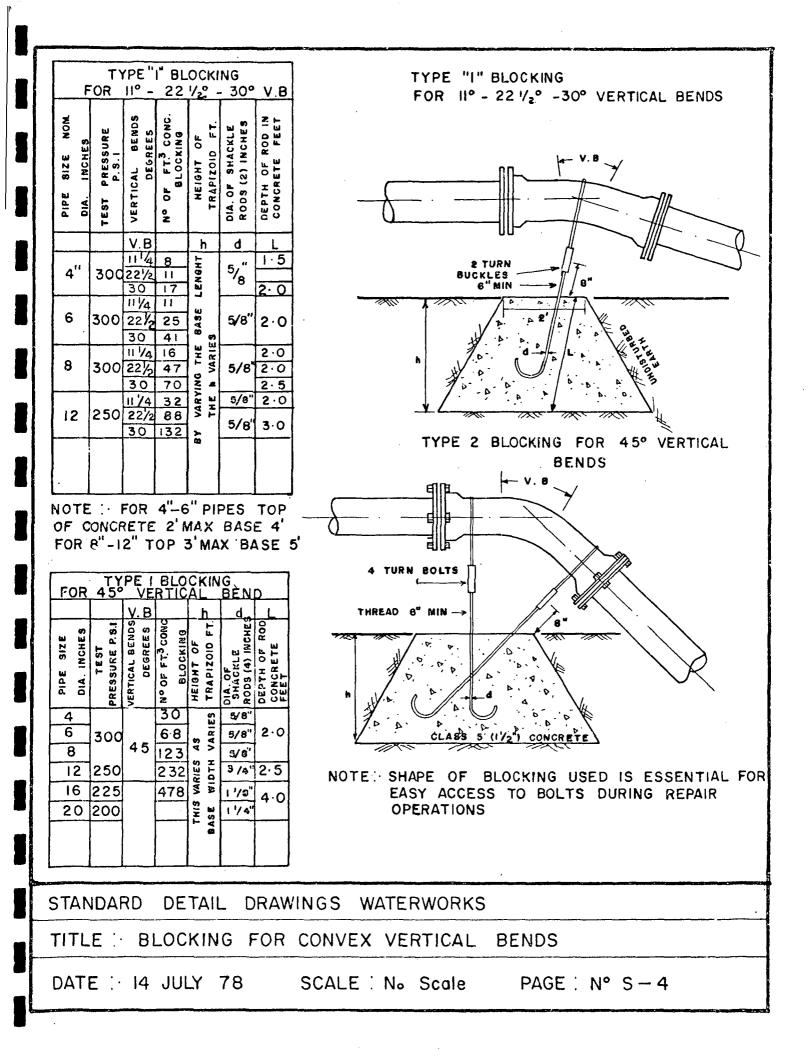
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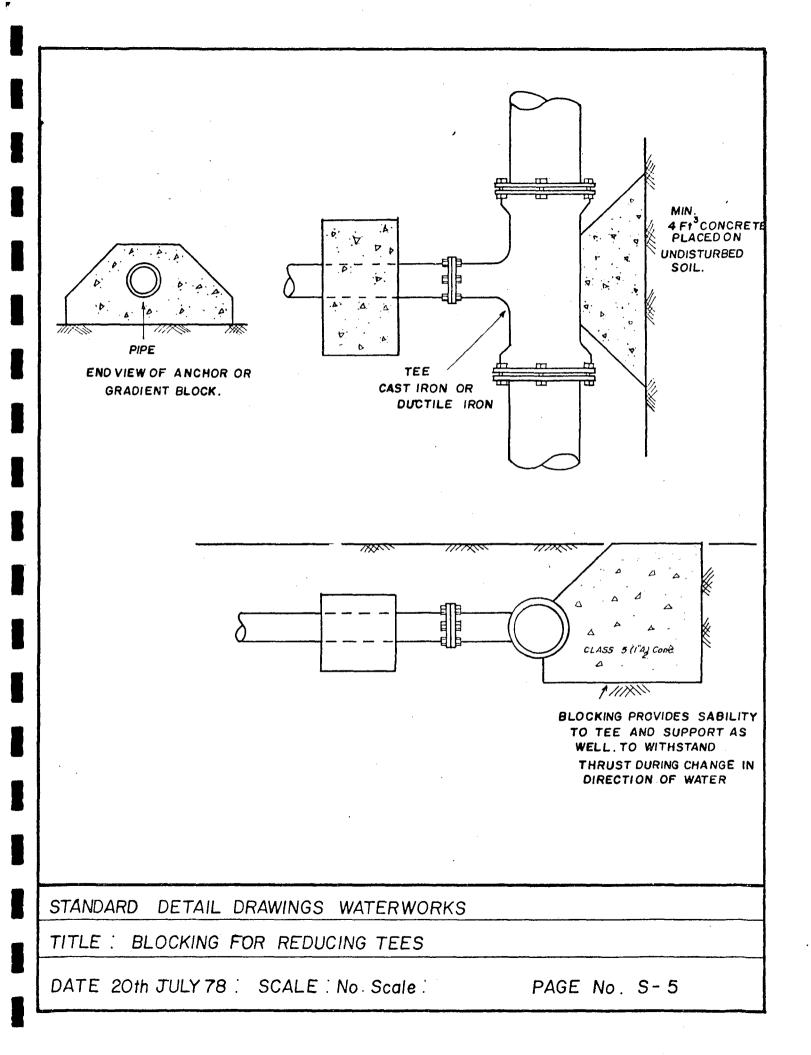
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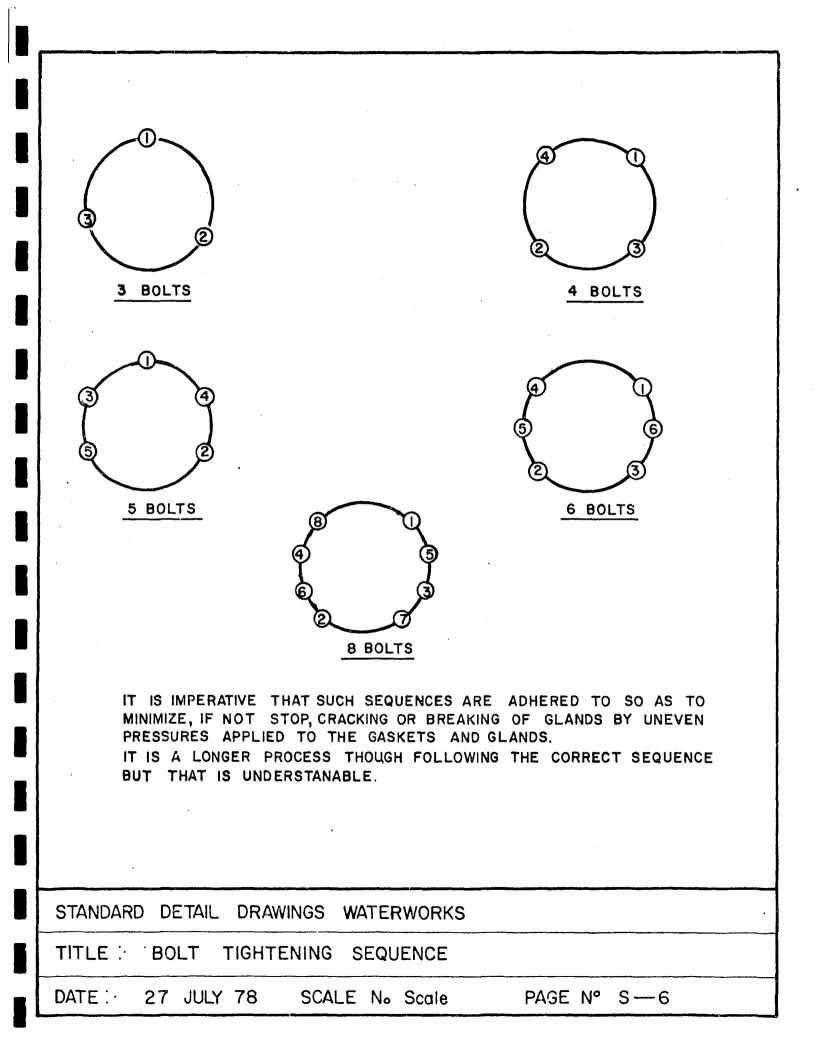


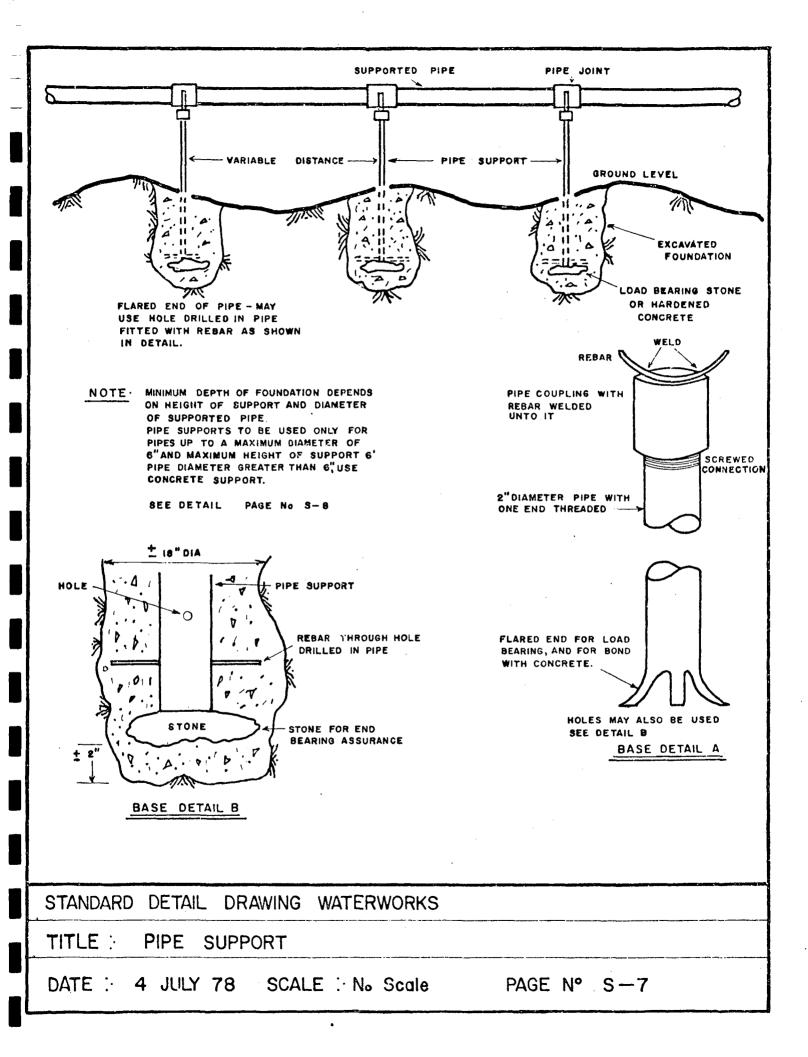


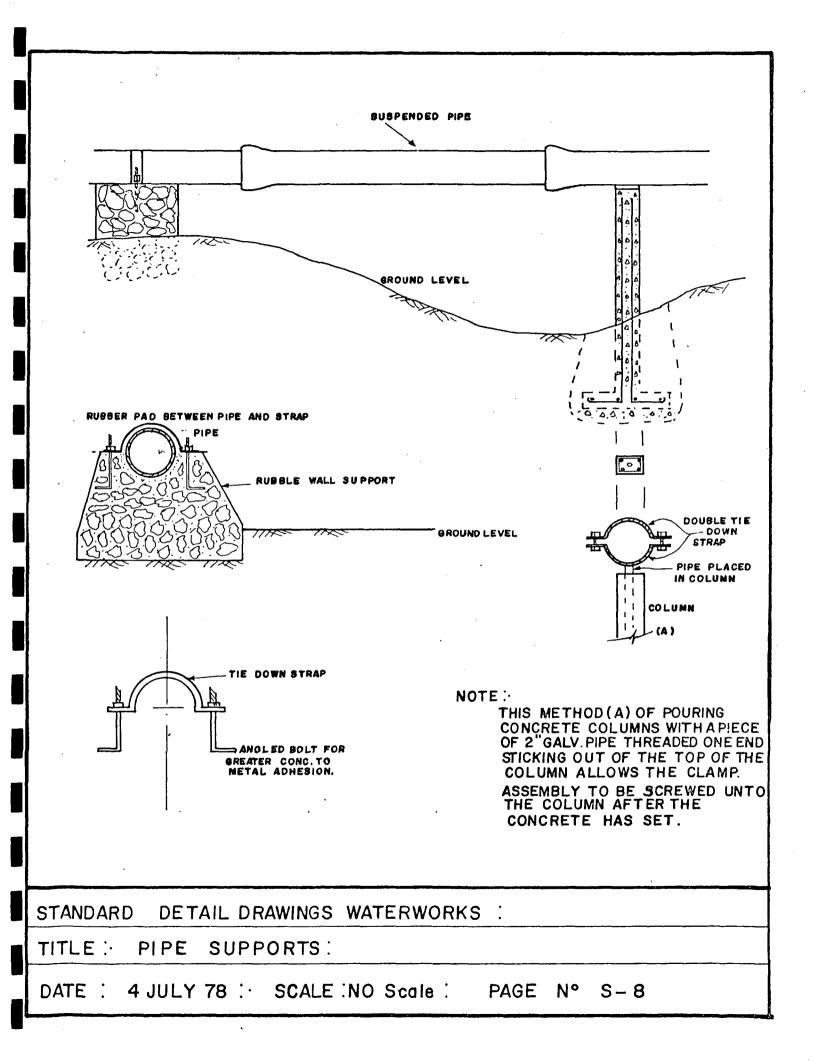


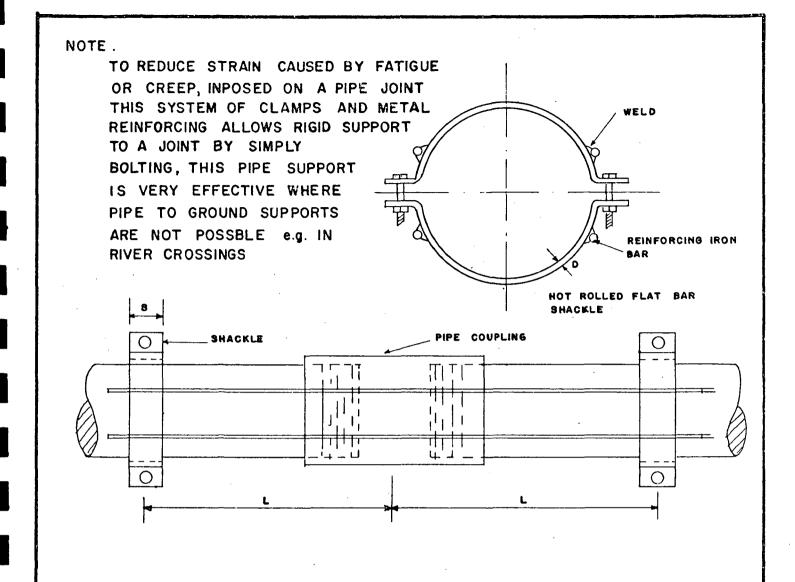










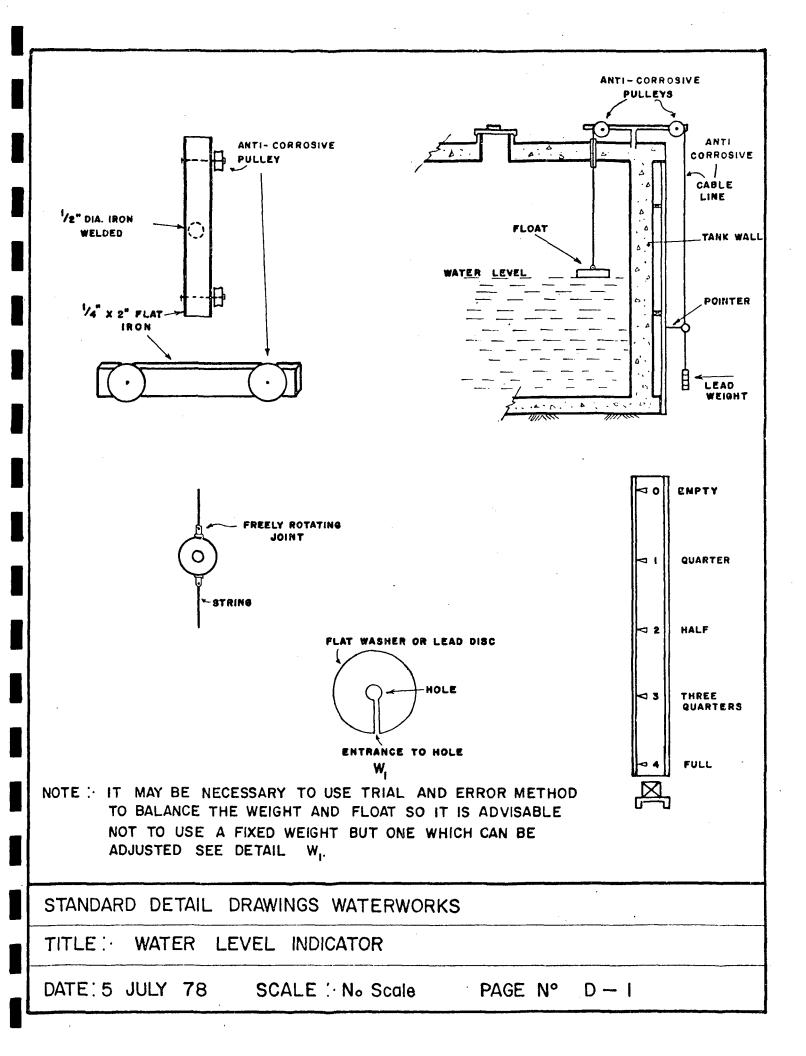


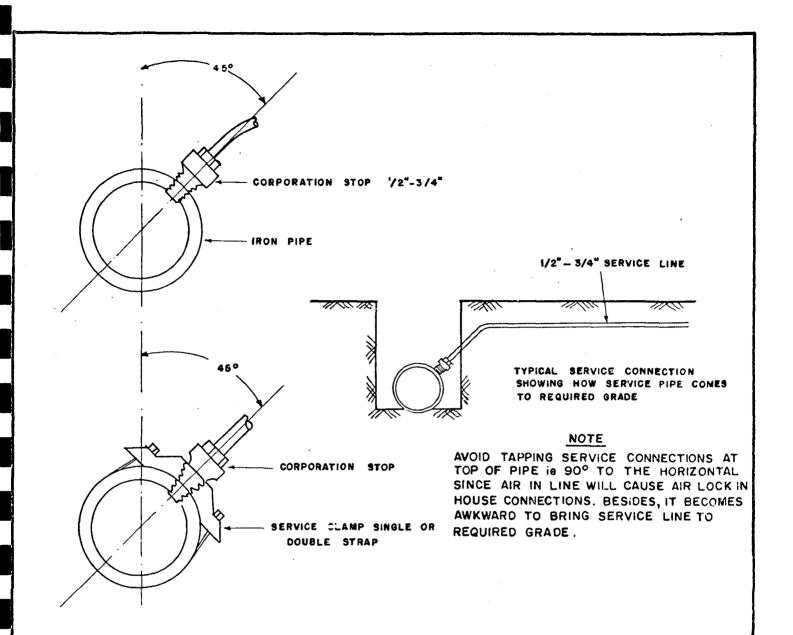
SIZE OF PIPE	BOLT THICKNESS	Ď	A	L	S		
٤ "	1/2*	3/8"	5/8	9''	11/2		
4''	3/4"	¹ /2"	3/4"	9"	2		
6	3/4"	1/2"	3/4"	12 "	2"		
8 *	ı"	1/2"	1"	12	2 1/2	.]	
							 · ·

STANDARD DETAIL DRAWINGS WATERWORKS

TITLE SMALL DIAMETER THREADED PIPE SUPPORT

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SERVICE	³ /4"	1"	1 1/2"	2"	1/2=
CLAMP STRAP	SINGLE	SINGLE	DOUBLE	DOUBLE	SINGLE
CORP STOP	3/4"	t"	11/2"	1 ¹ / _{2"} X 2"	٧ ₂ •
SERVICE PIPE	3/4"	l ¹⁴	1 1/2"	2"	1/2
MINIMUM. MAINS DIA.	4"	4"	6"	8"	3"

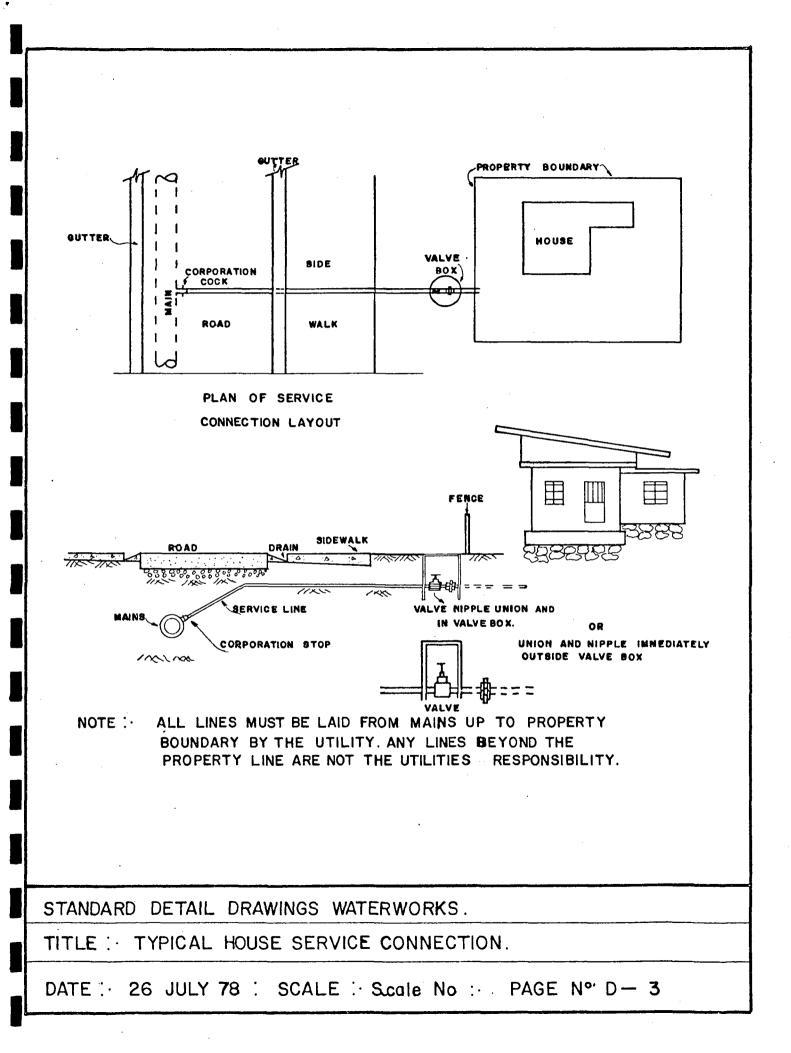
STANDARD DETAIL DRAWINGS WATERWORKS

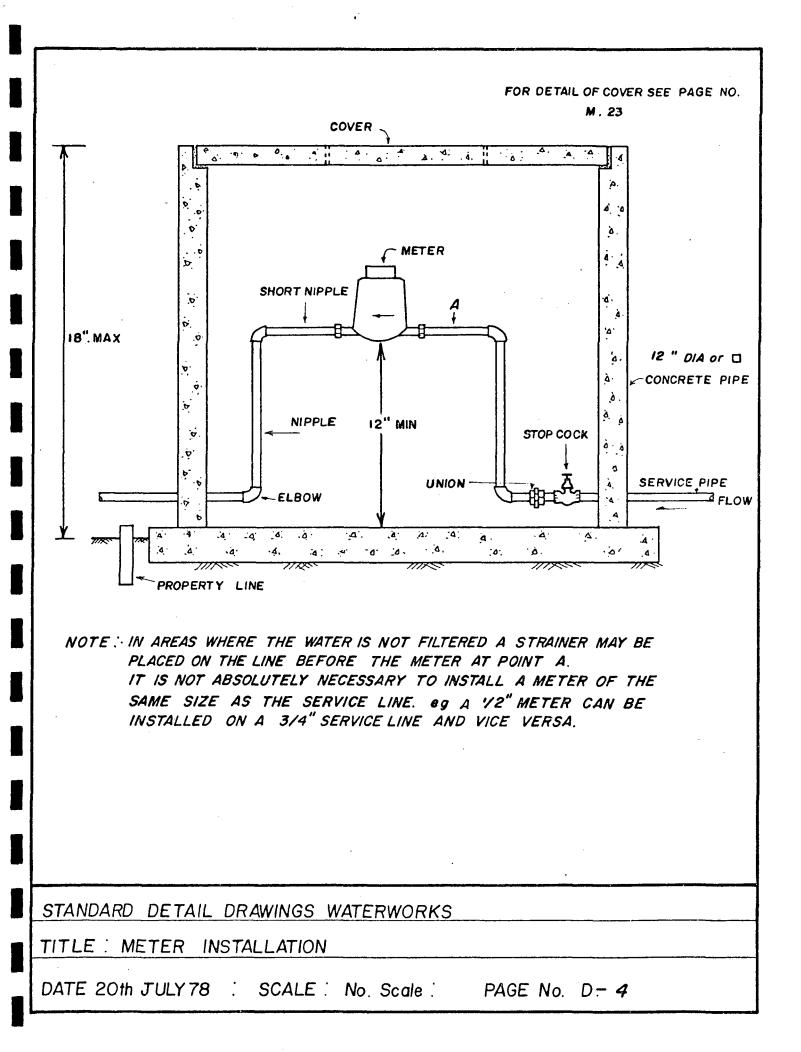
TITLE : TYPICAL SERVICE CONNECTION TAPPINGS

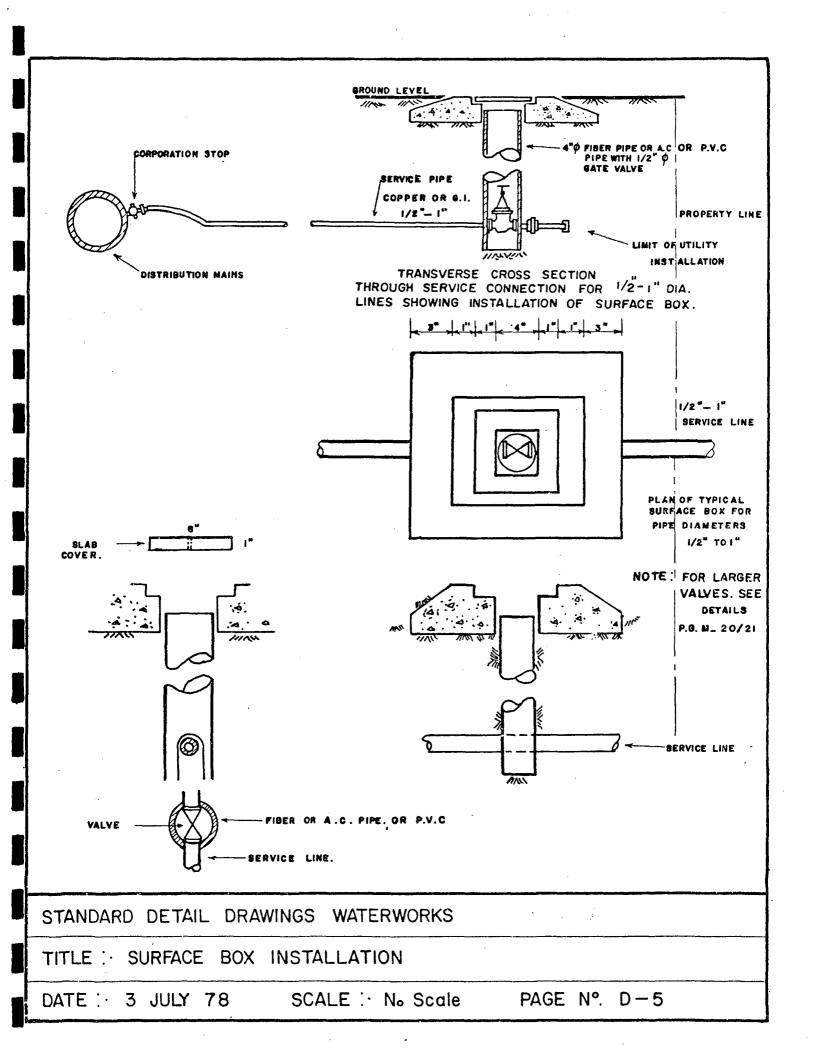
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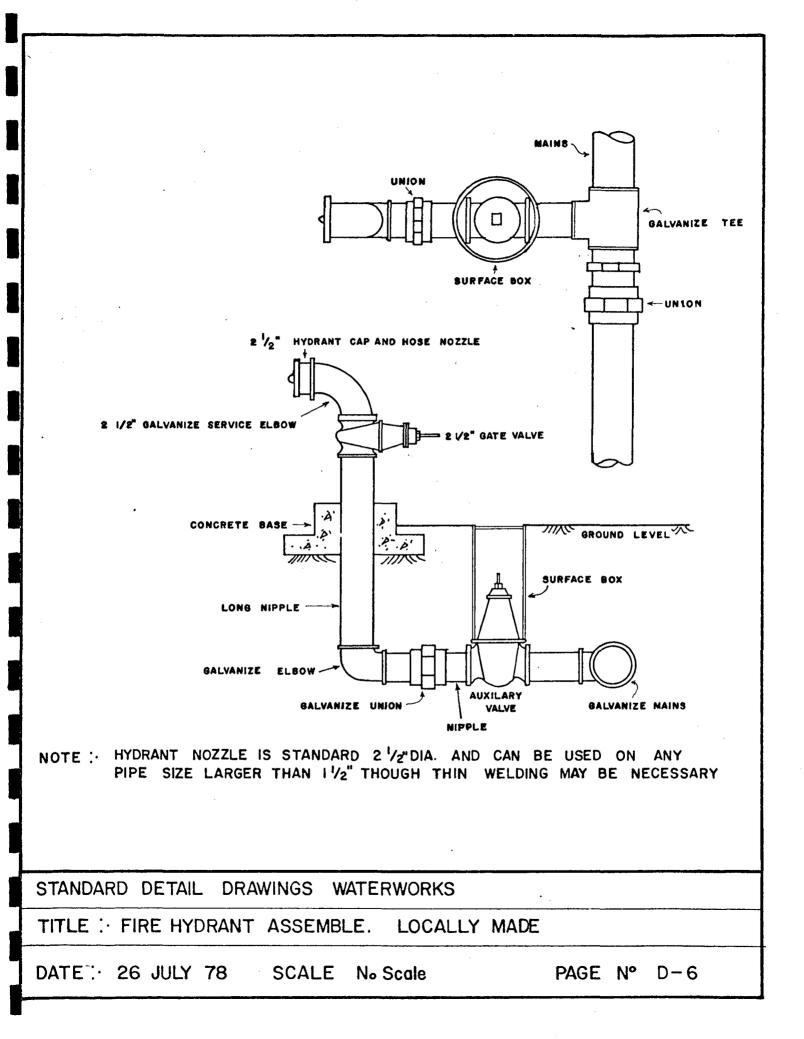
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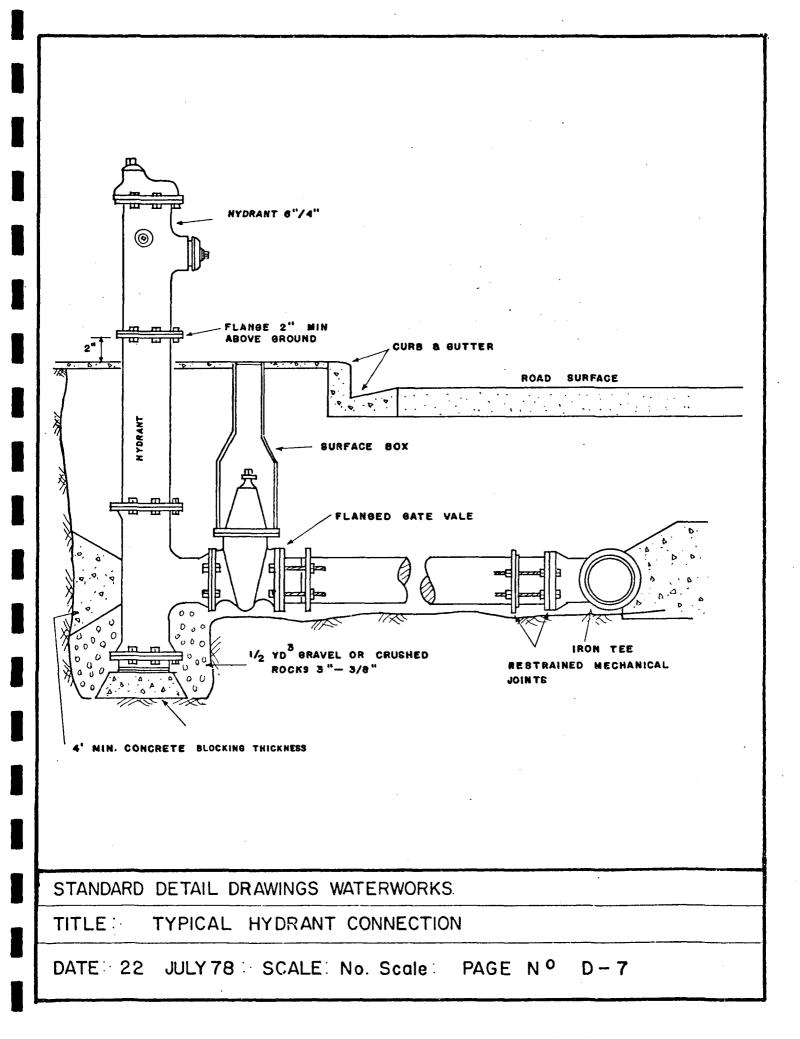
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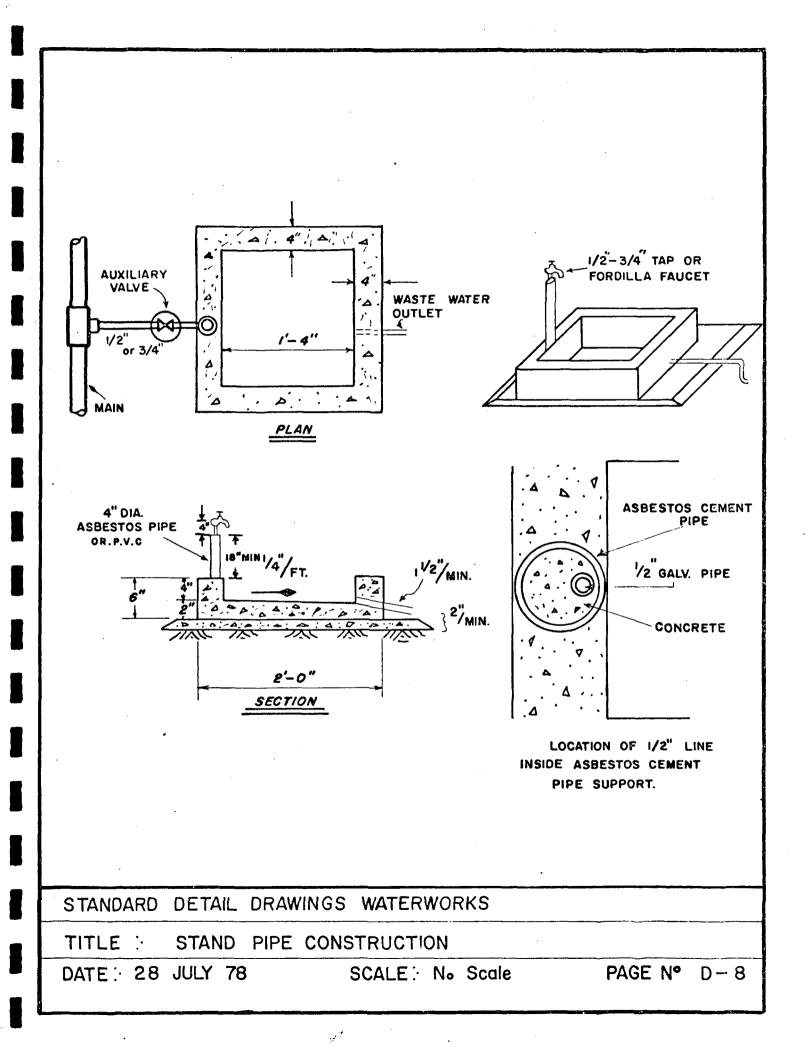


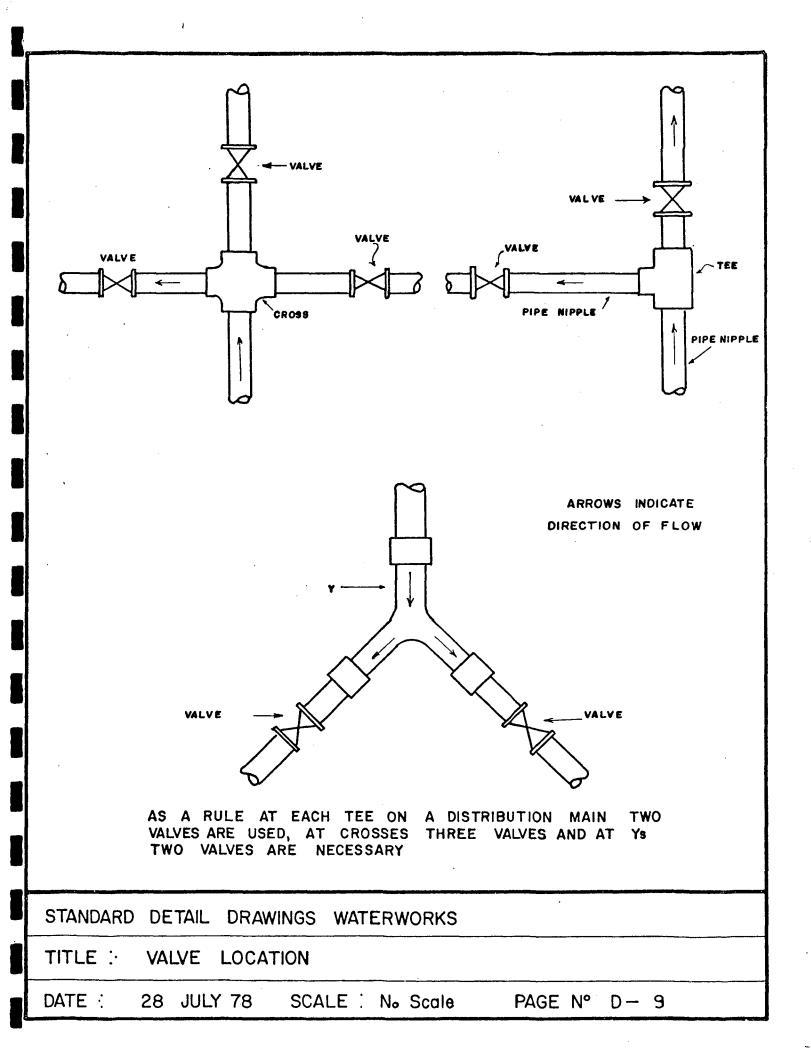


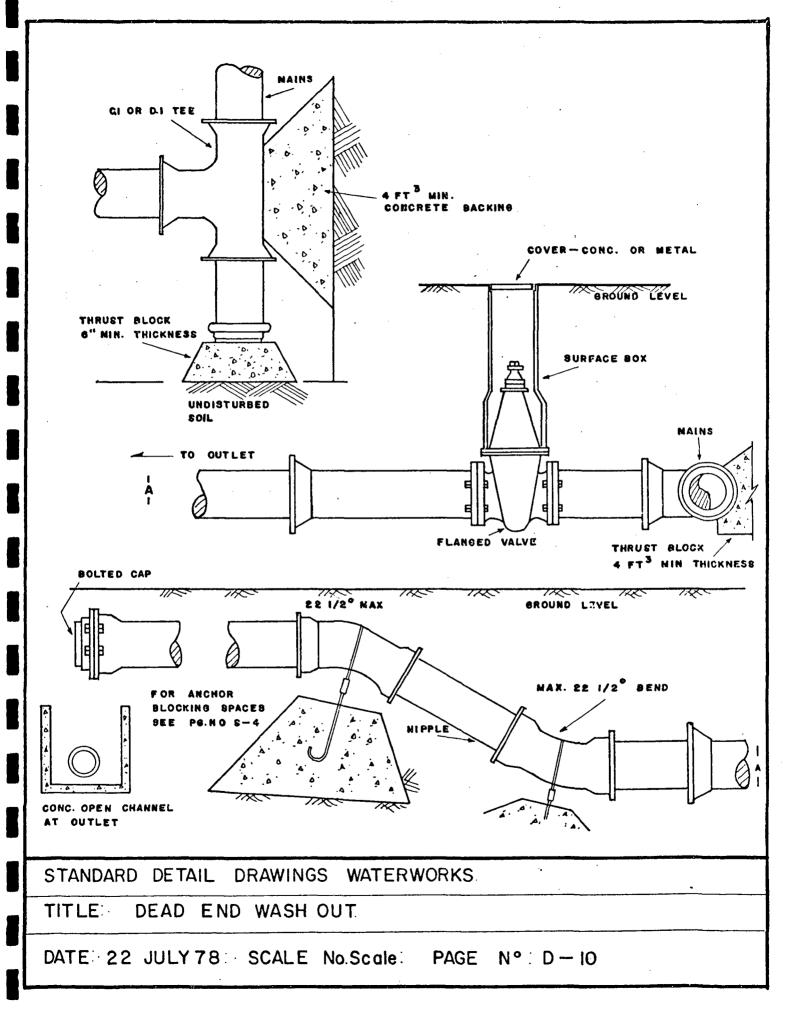


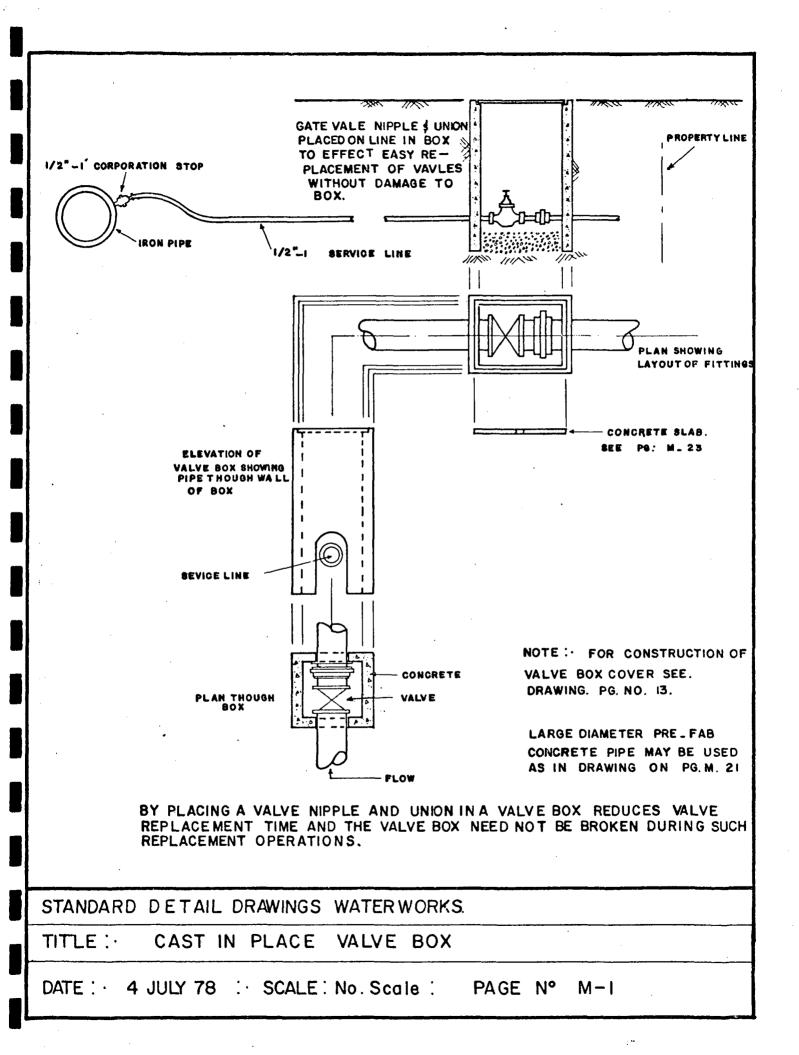


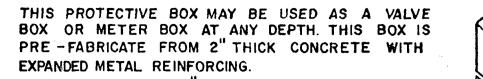






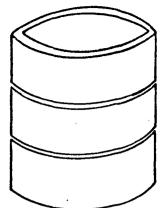


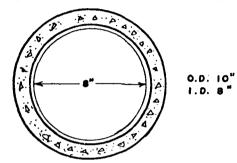




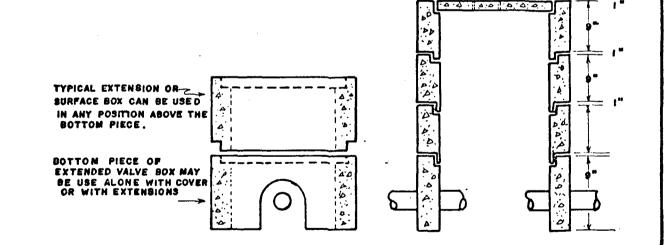
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THE SECTIONS ARE 9" HIGH STANDARD AND HAVE MALE AND FEMALE END FOR EASY COUPLING. USING THIS TYPE OF BOXING A VALVE OR METER CAN BE COMPLETELY SECURED USING ONLY THE BOTTOM PIECE WITH. A LID OR A NUMBER OF EXTENSIONS WITH THE LID AT TOP.





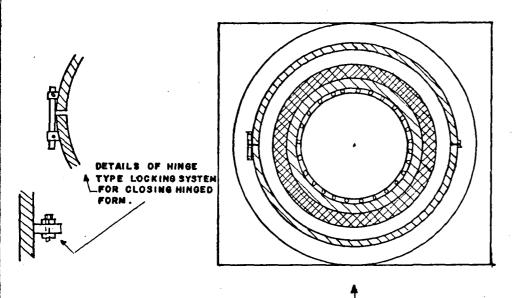
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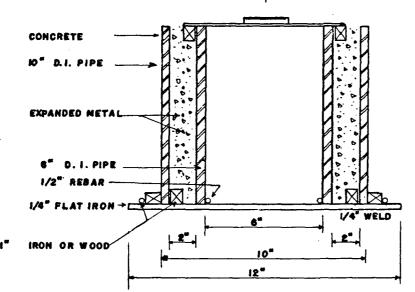


THIS EXTENDED BOX SAVES IN MASON WORK AND IN INSTALLATION AND PREPARATION

FOR PREFABRICATION FROM DETAILS SEE FORM DETAILS PAGE No M-22

STANDARD	DETAIL DRAW	INGS WA	TERW	ORKS		
TITLE	CYLINDRICAL	VALVE	BOX	EXTENSION	TYPE	
DATE : - 5	5 JULY 78	SCALE	: No	Scale	PAGE N°	M - 2





USING ONE PIECE 10" DIA DUCTILE IRON PIPE CUT AND WELDED TWO HINGES AND TO INSERT ONE PIECE 6" DIA D.I PIPE INSIDE SO THAT THERE IS A 2" PERITHERAL OPENING BETWEEN THE TWO PIPES. USE TWO I"SQUARE OR CIRCULAR PIECES OF WOOD OR METAL AS SHOWN IN DRAWING.

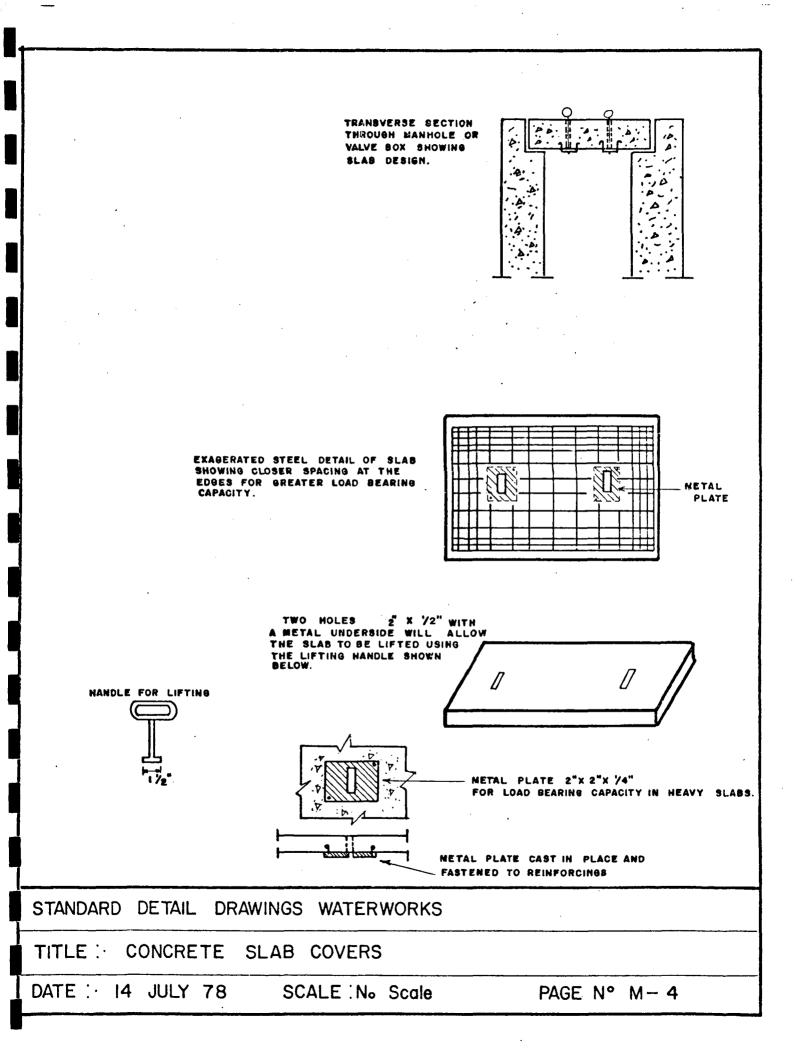
PLACE PIPES ON FLAT IRON BASE SECURING THEM WITH 1/2" IRON WELDED TO BASE AS SHOWN.

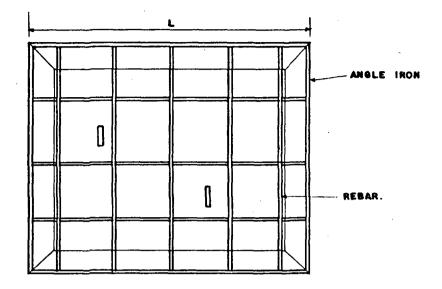
GREASE FORMWORK, PLACE CONCRETE WHEN SET LIFT AS INDICATED BY ARROW.

STANDARD DETAIL DRAWINGS WATERWORKS.

TITLE : FORMS FOR PREFABRICATING EXTENSION TYPE PROTECTIVE BOXES

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PLAN OF STEELWORK OF SLAB

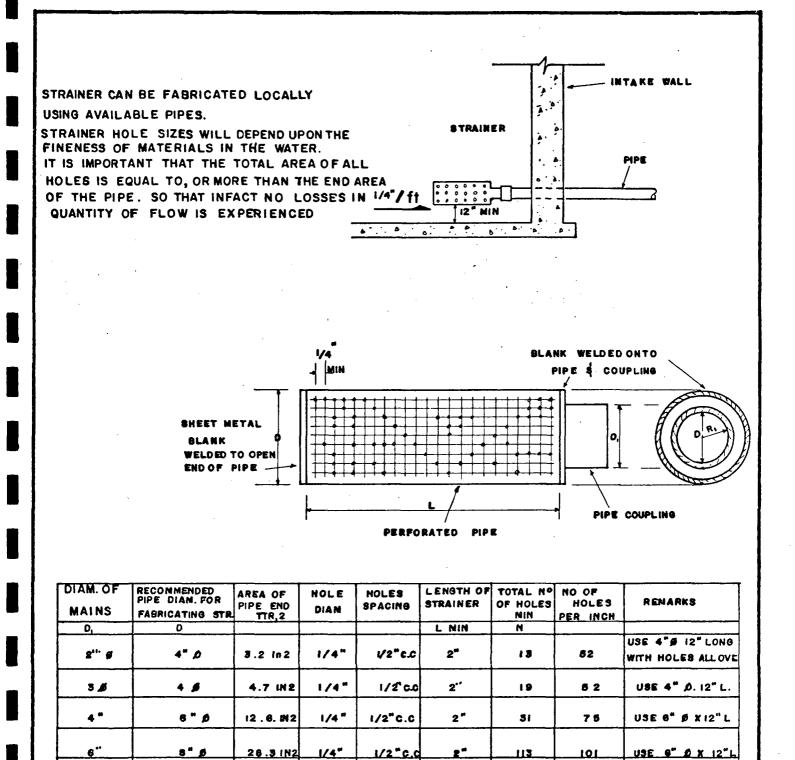


то	ANGLE IRON	

LOCATION OF SLAB	SLAB THICKNESS	ANGLE IRON	REBAR DIAMETER	SPACING OF REBARS	AGGREGATE
TRAFFIC	2 72"	2 /2 x2/2 x 1/4	6/8" 0	6" C.C	3/8
HEAVY TRAFFIC	3*	3"x 3"x 1/4"	* 3/1"	4" C.C	1/2=
NO TRAFFIC	8"	8"x2"x1/4"	1/2"	8" C. C	1/4"
·					
					:

NOTE : ANGLE IRON CASTED UNTO CONCRETE WILL ALLOW GREATER LOADING TO SLAB AND PREVENT BREAKAGE AT EDGES. GREATER END BEARING IS ACHIEVED.

STANDARD DETAIL DRAWINGS WATERWORKS. TITLE : SLABS WITH ANGLE IRON EDGES. DATE: 20 JULY 78 : SCALE No Scale PAGE Nº M-5



DETAIL DRAWINGS WATERWORKS STANDARD

50.31N2

1/4 "

1/2 °C.

TITLE PERFORATED PIPE STRAINERS.

DATE : 21 JULY 78 : SCALE No. Scale !

10" \$

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PAGE : M - 6

112

201

2 *

101

126

USE 9" 0 X 12"L

USE . Ø X12"L

