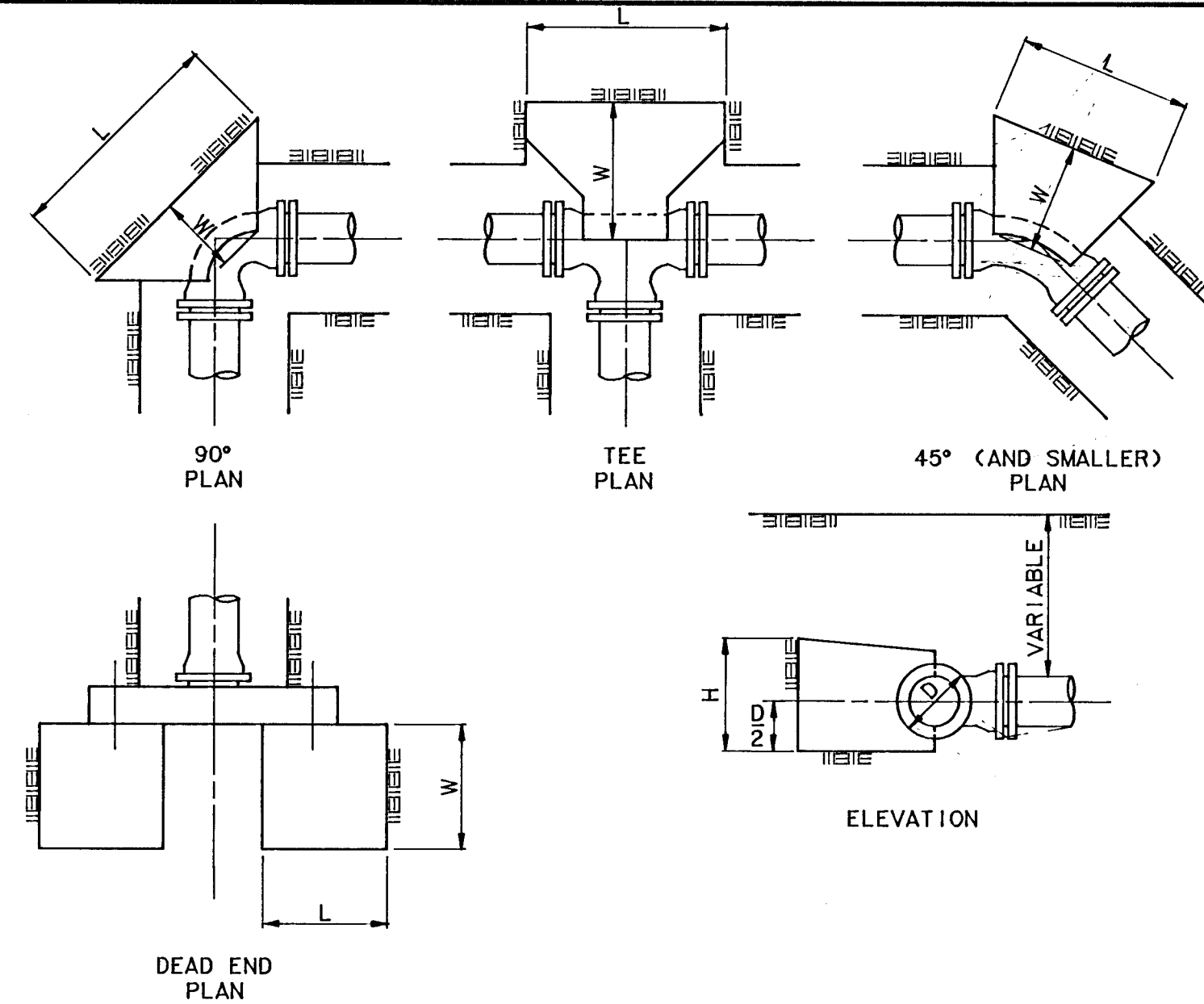
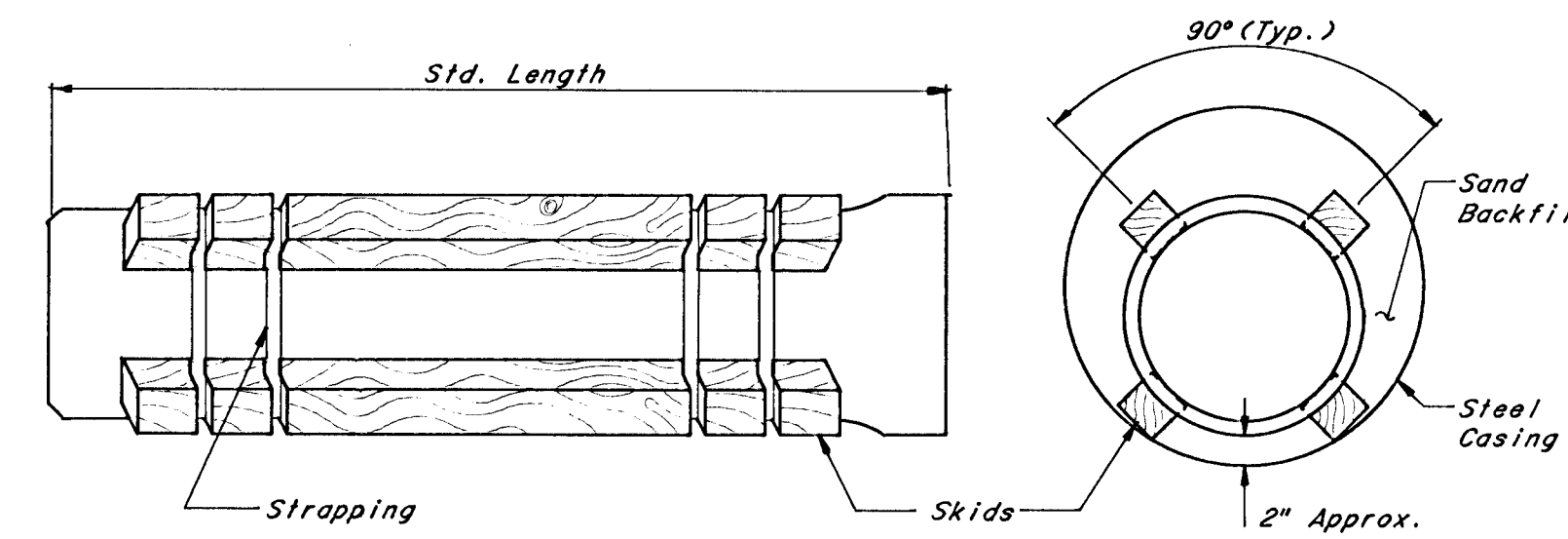




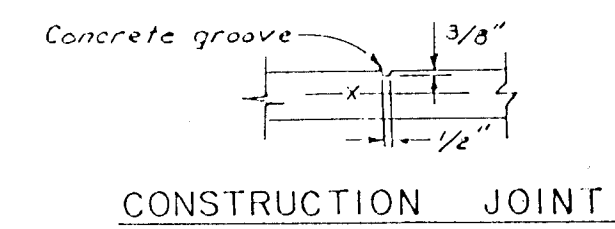
THRUST BLOCK DETAILS

LINE SIZE	FITTINGS & ANGLE θ	DIM. L	DIM. W	DIM. H
10"	90°	3'-0"	3'-0"	3'-0"
10"	45°	2'-0"	2'-0"	2'-0"
8"	90°	2'-0"	1'-6"	1'-6"
8"	45°	1'-6"	1'-6"	1'-6"
8"	22 1/2°	1'-6"	1'-6"	1'-6"
6"	90°	1'-0"	1'-0"	1'-0"
6"	45°	1'-0"	1'-0"	1'-0"
4"	90°	1'-0"	1'-0"	1'-0"
4"	45°	1'-0"	1'-0"	1'-0"

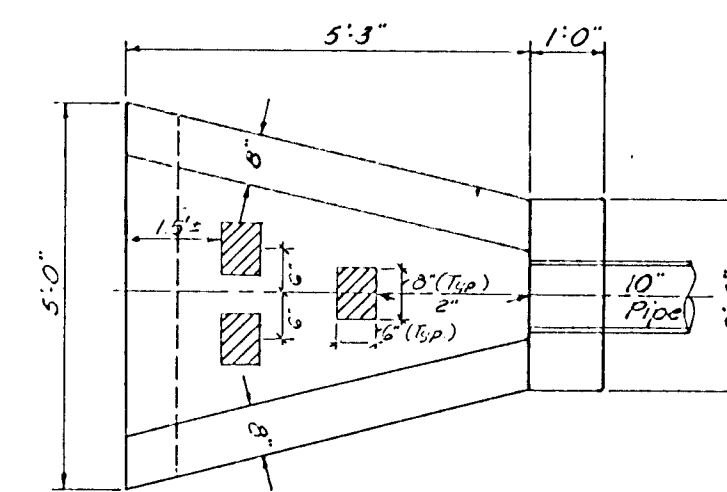


STEEL ENCASEMENT DETAIL

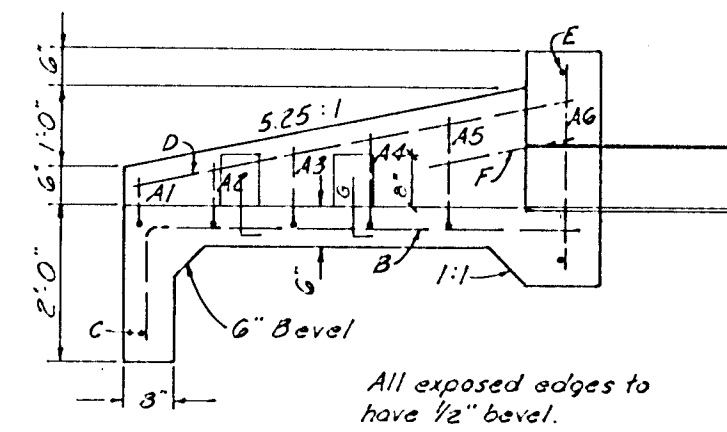
Note: Steel Casing dimensions are minimum I.D., see specifications for wall thickness requirements.



CONSTRUCTION JOINT



HEADWALL DETAIL FOR 10" PIPE
SCALE: 1/2" = 1'-0"

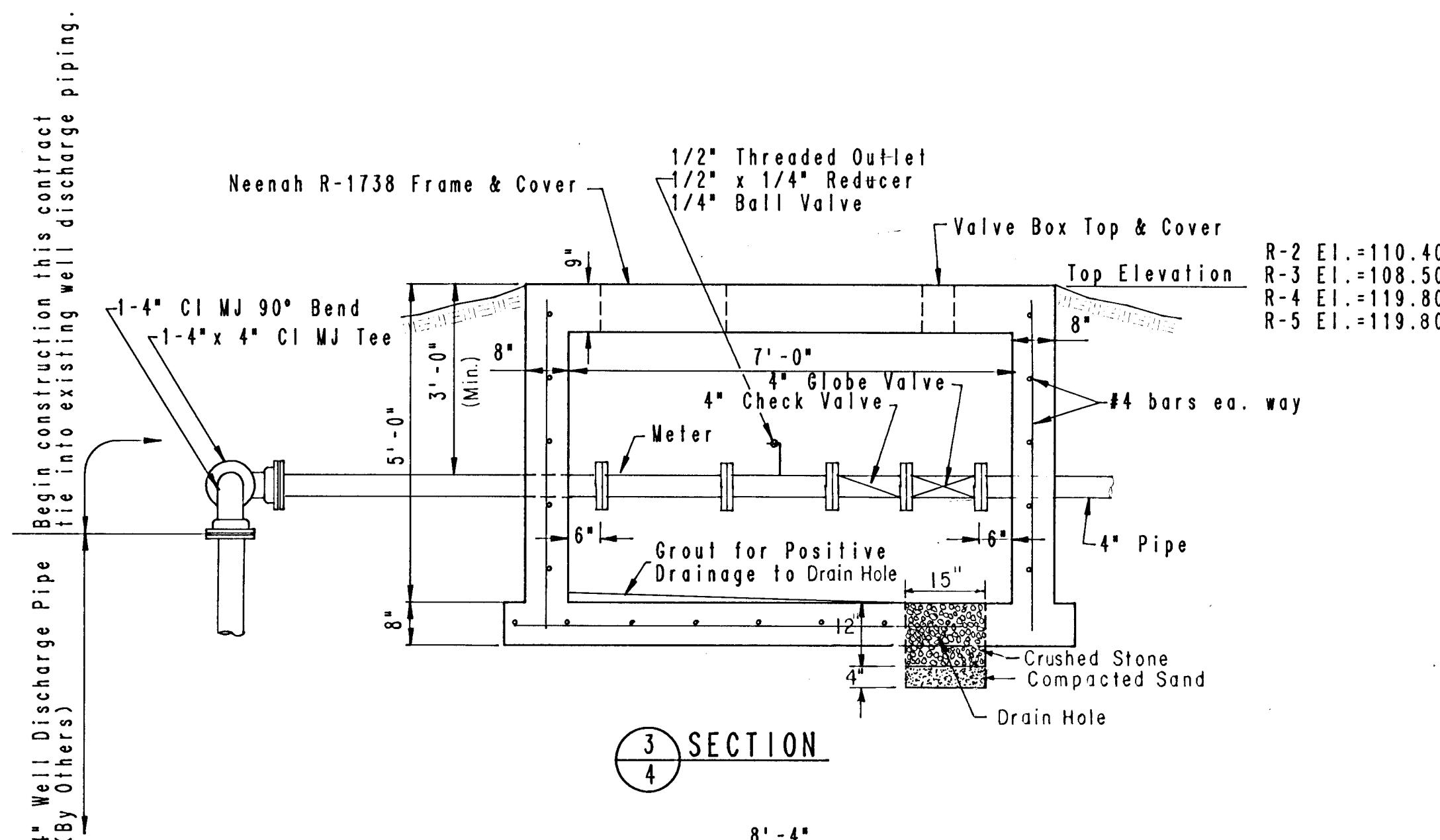
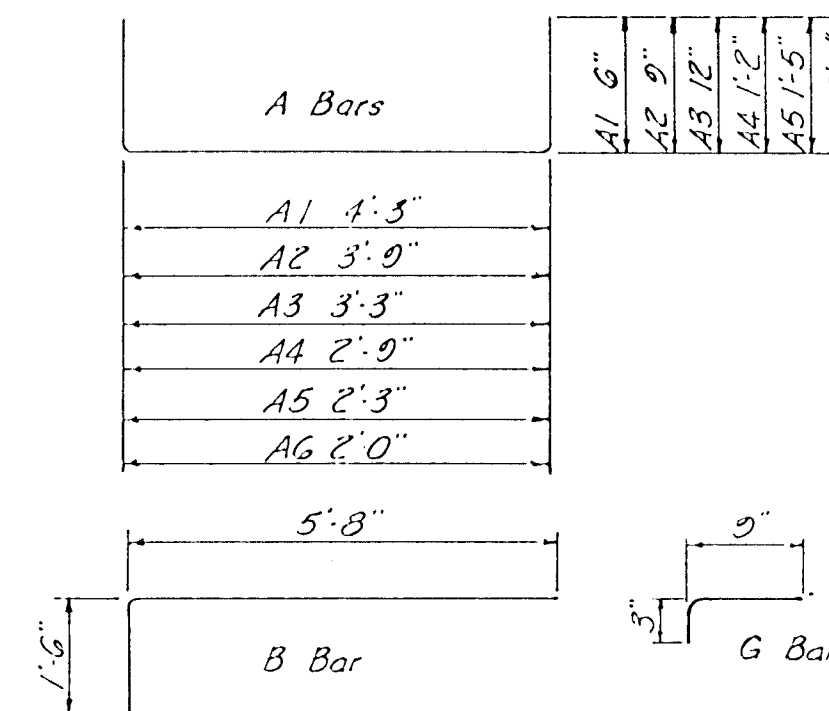


SECTION
SCALE: 1/2" = 1'-0"

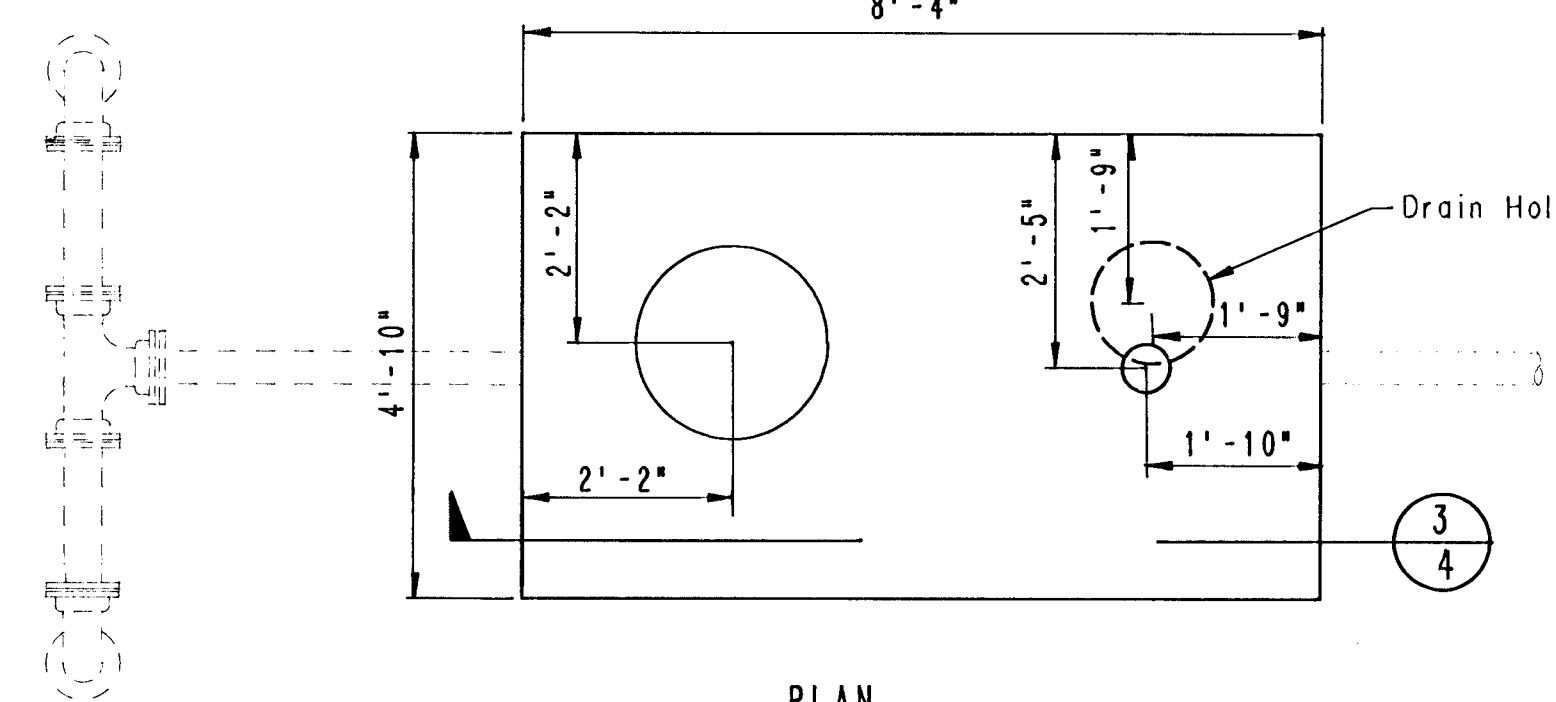
TABLE OF CONTENTS

BAR	NUMBER	LENGTH	WEIGHT
A1	1	5'13"	3.50
A2	1	5'13"	3.50
A3	1	5'13"	3.50
A4	1	5'11"	3.39
A5	1	5'11"	3.39
A6	1	7'10"	4.67
B	4	7'12"	19.13
C	1	4'14"	2.89
D	2	5'10"	7.79
E	1	2'12"	1.45
F	2	2'10"	2.67
G	6	1'0"	4.00
TOTAL REBAR, lbs.			59.88
CONCRETE, CY			1.12

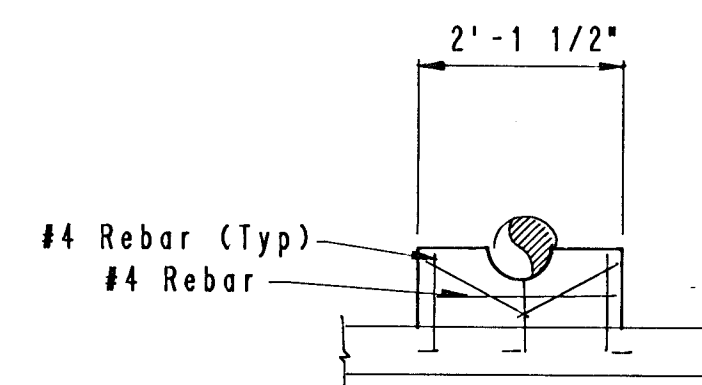
ALL REBARS TO BE #4



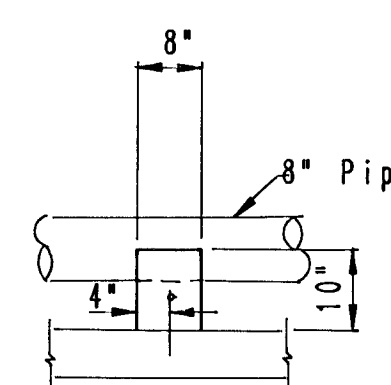
SECTION
3/4



PLAN
FLOW METER VAULT DETAIL
Scale: 1/2" = 1'-0"

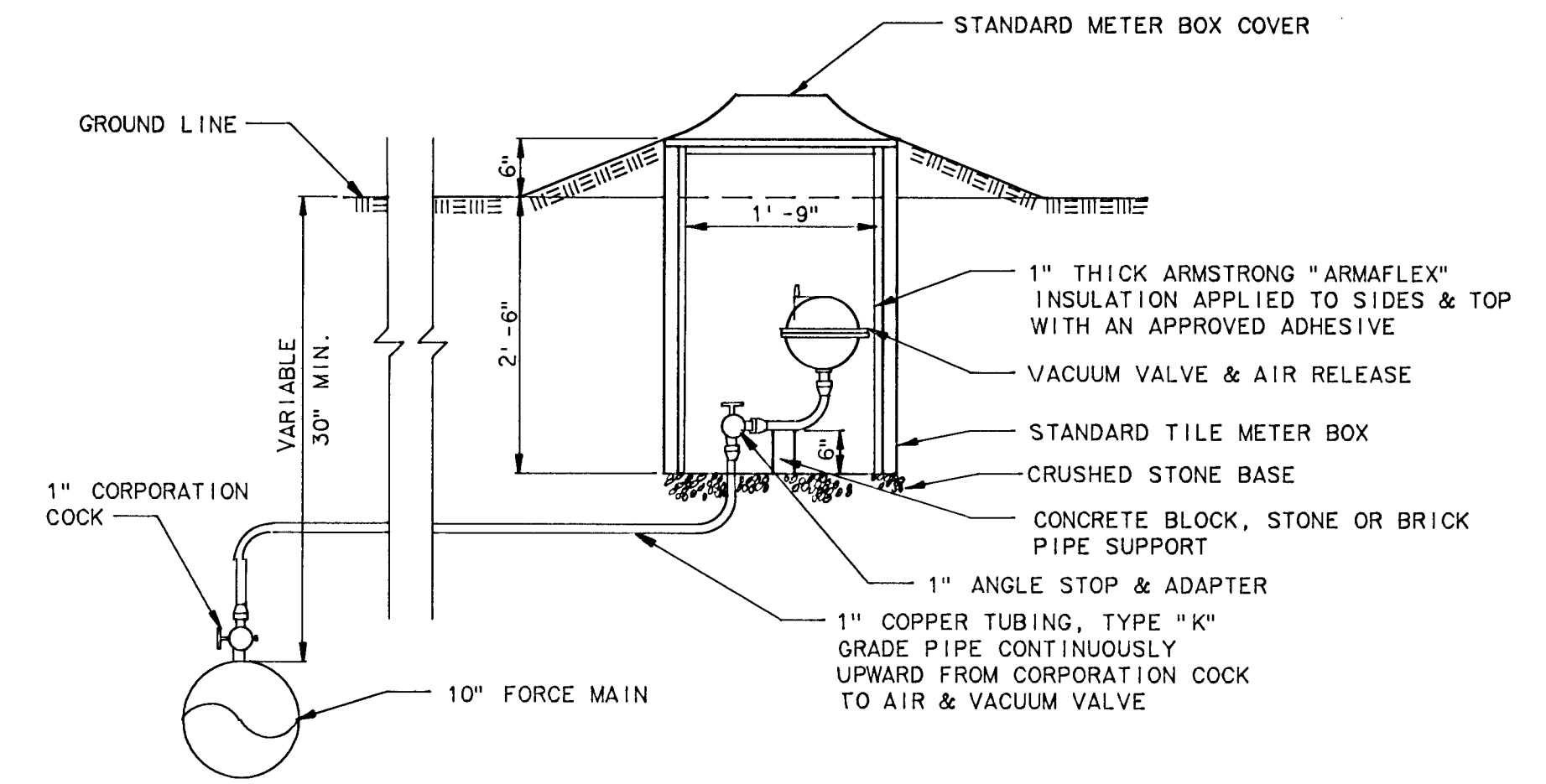


8" PIPE SUPPORT
1/2" x 1'-0"



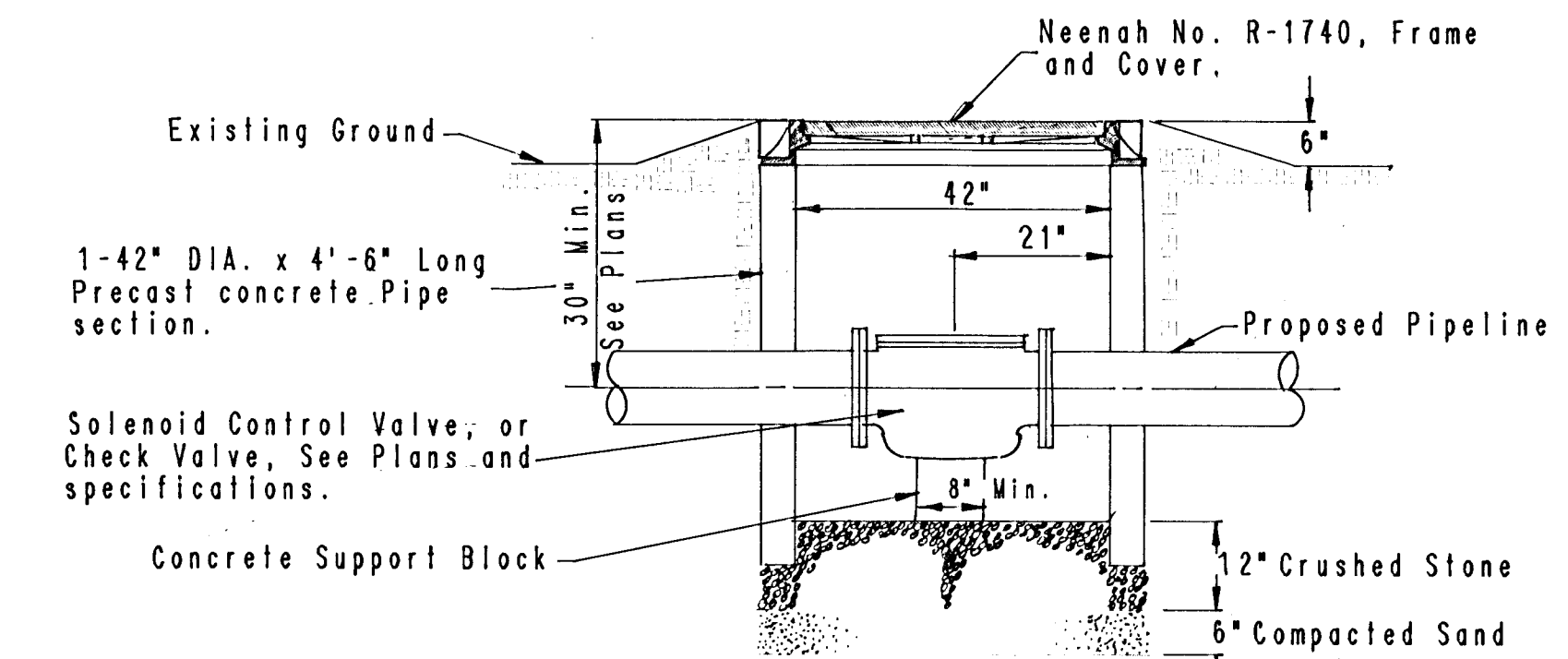
12" PIPE SUPPORT
1/2" x 1'-0"

NOTES:
1. Provide a bond breaker between concrete support and pipe.
2. All exposed edges shall have a 3/4" chamfer.
3. The Contractor shall submit for review any modifications to the pipe support height and saddle configuration as required.

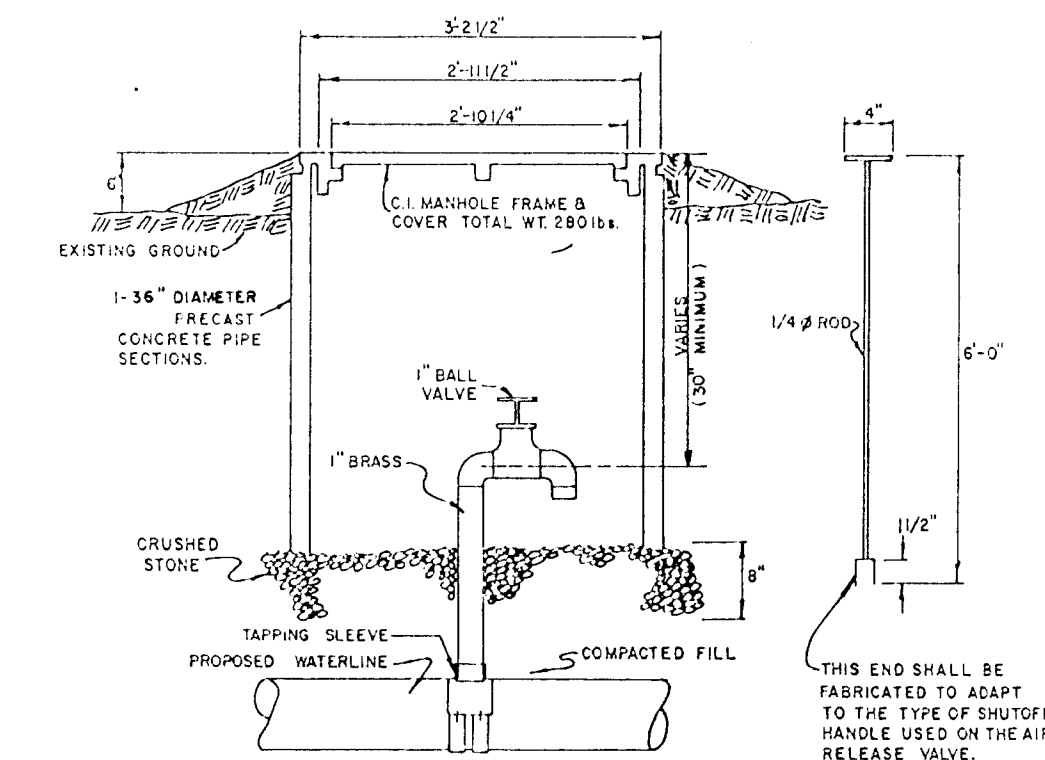


NOTE: AIR RELEASE VENTING CAPACITY
NOT LESS THAN 15 CFM AT 100 PSI

VACUUM VALVE & AIR RELEASE ASSEMBLY



VALVE VAULT DETAIL



AIR RELEASE VALVE ASSEMBLY

No.	Revision	By	Date
CESSNA WATER WITHDRAWAL			
MISCELLANEOUS DETAILS			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS			
Designed by MDS,CRY	Job No. 34-07642	Sht. 4 of 20	
Drawn by TDS	Date August, 1988		