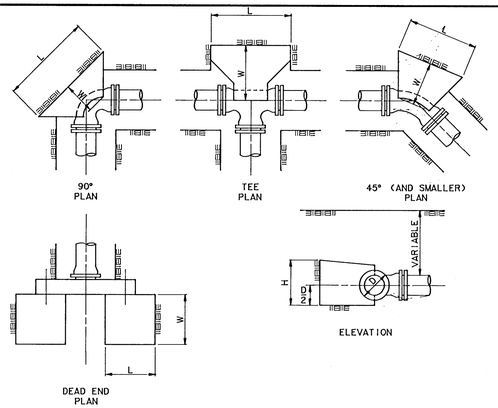
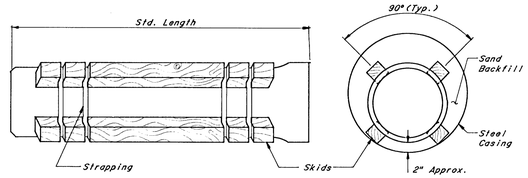


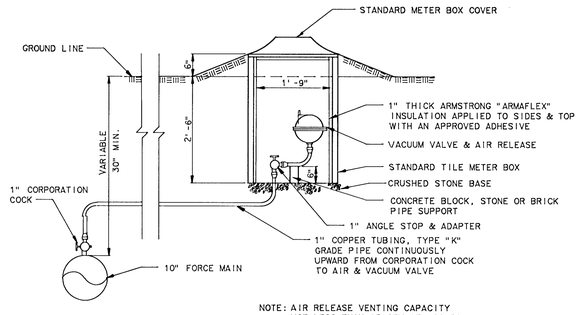
THRUST BLOCK SCHEDULE				
LINE SIZE	FITTINGS & ANGLE θ	DIM. L	DIM. W	DIM. H
10"	90°	3'-0"	3'-0"	3'-0"
10"	45°	2'-0"	2'-0"	2'-0"
8"	90°	2'-0"	1'-6"	1'-6"
8"	45°	1'-6"	1'-6"	1'-6"
8"	22 1/2°	1'-6"	1'-6"	1'-6"
6"	90°	1'-0"	1'-0"	1'-0"
6"	45°	1'-0"	1'-0"	1'-0"
4"	90°	1'-0"	1'-0"	1'-0"
4"	45°	1'-0"	1'-0	1'-0"

THRUST BLOCK DETAILS



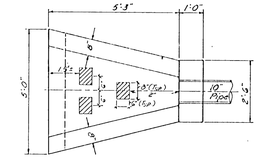
STEEL ENCASEMENT DETAIL

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



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

VACUUM VALVE & AIR RELEASE ASSEMBLY



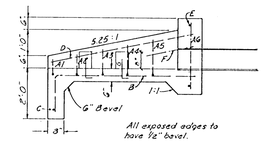
HEADWALL DETAIL FOR 10" PIPE

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

TABLE OF CONTENTS

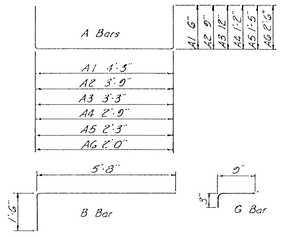
BAR	NUMBER	LENGTH	WEIGHT
A1	1	5'3"	3.50
A2	1	5'3"	3.50
A3	1	5'3"	3.50
A4	1	5'1"	3.39
A5	1	5'1"	3.39
A6	1	7'0"	4.67
B	4	7'2"	19.13
C	1	4'4"	2.89
D	2	5'10"	7.79
E	1	2'2"	1.45
F	2	2'0"	2.67
G	6	1'0"	4.00
TOTAL REBAR, lbs.			59.88
CONCRETE, CY			1.12

ALL REBARS TO BE #4

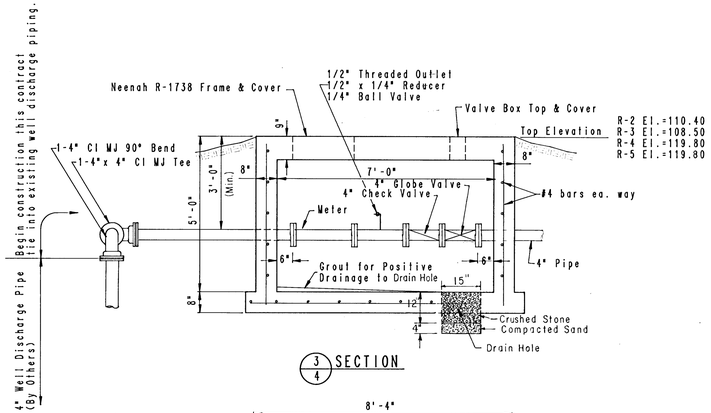


SECTION

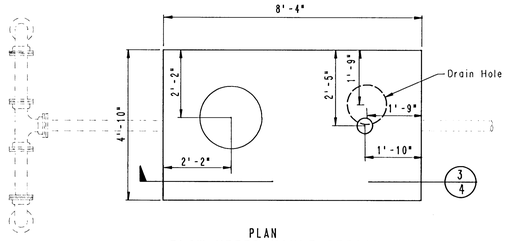
SCALE: 1/2"= 1'-0"



VALVE VAULT DETAIL



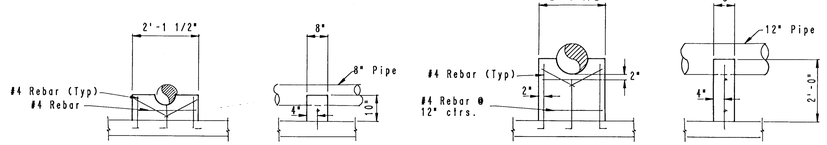
3/4 SECTION



PLAN

FLOW METER VAULT DETAIL

Scale: 1/2" = 1'-0"



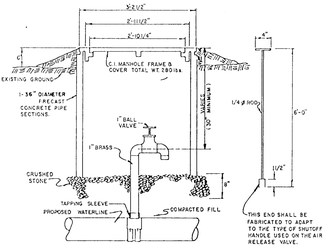
8" PIPE SUPPORT

1/2"=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.

12" PIPE SUPPORT

1/2"=1'-0"



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. 34-87642 | Sht. 4 of 20
Drawn by TDS | Date August, 1988