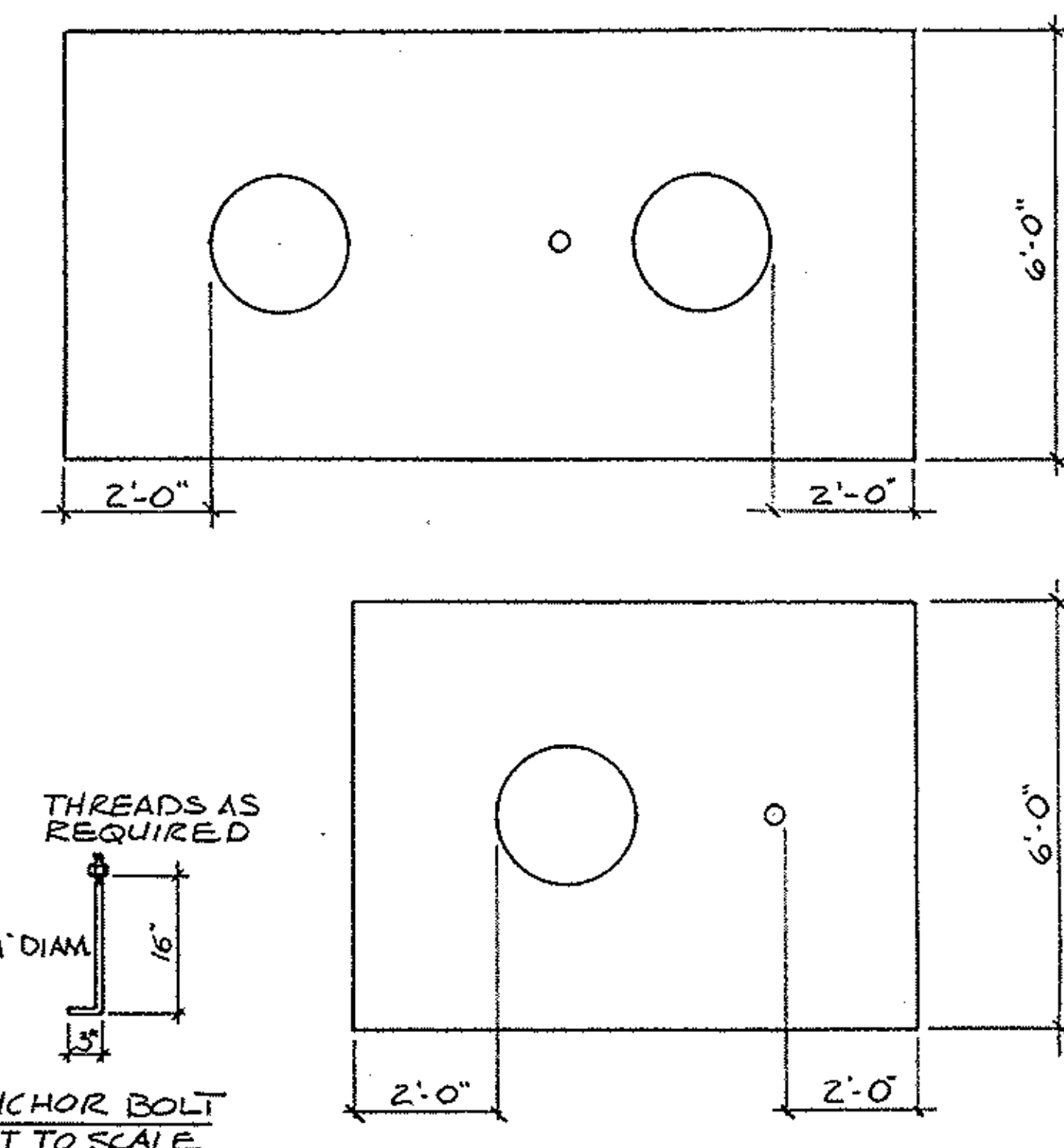
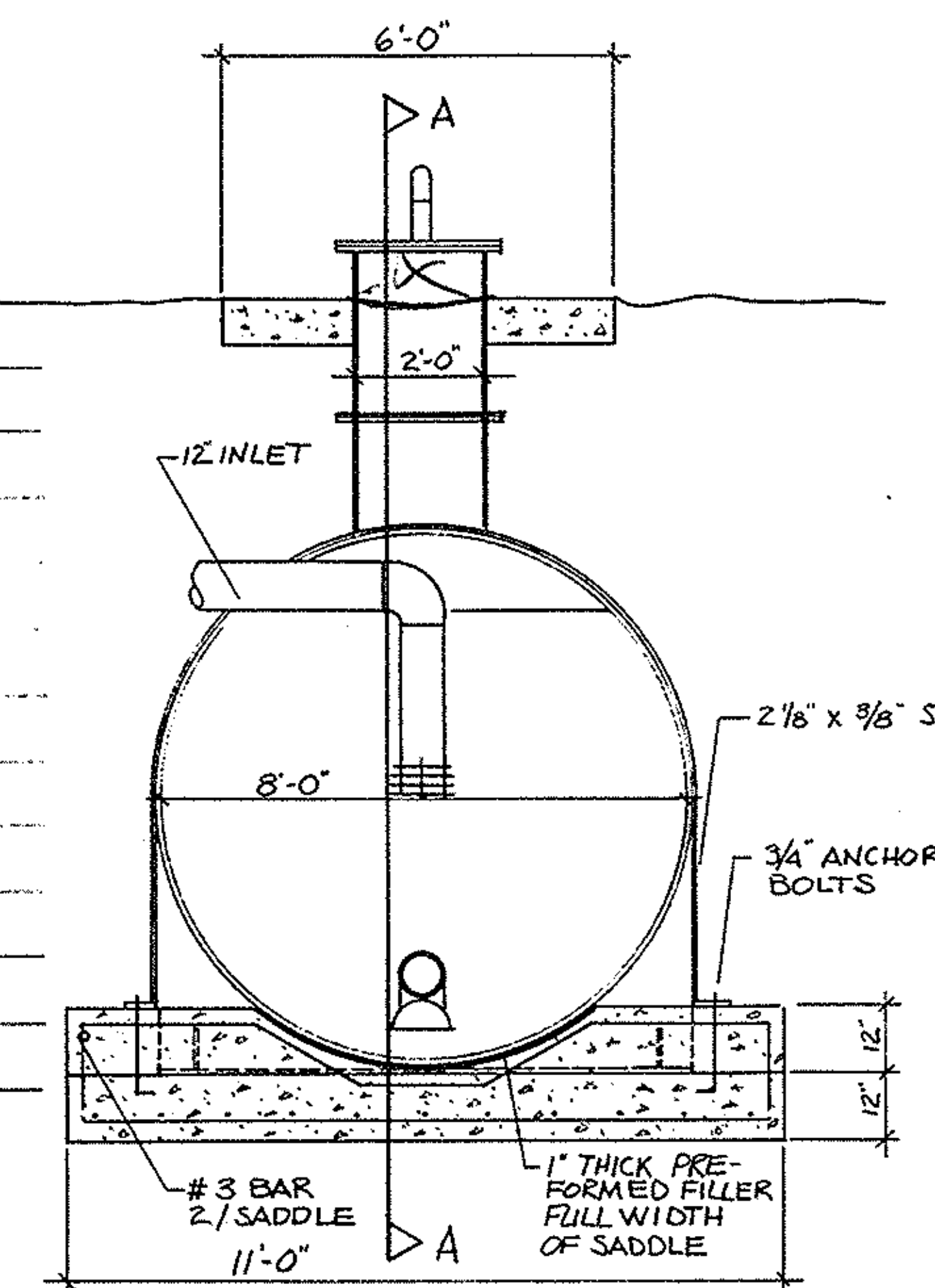


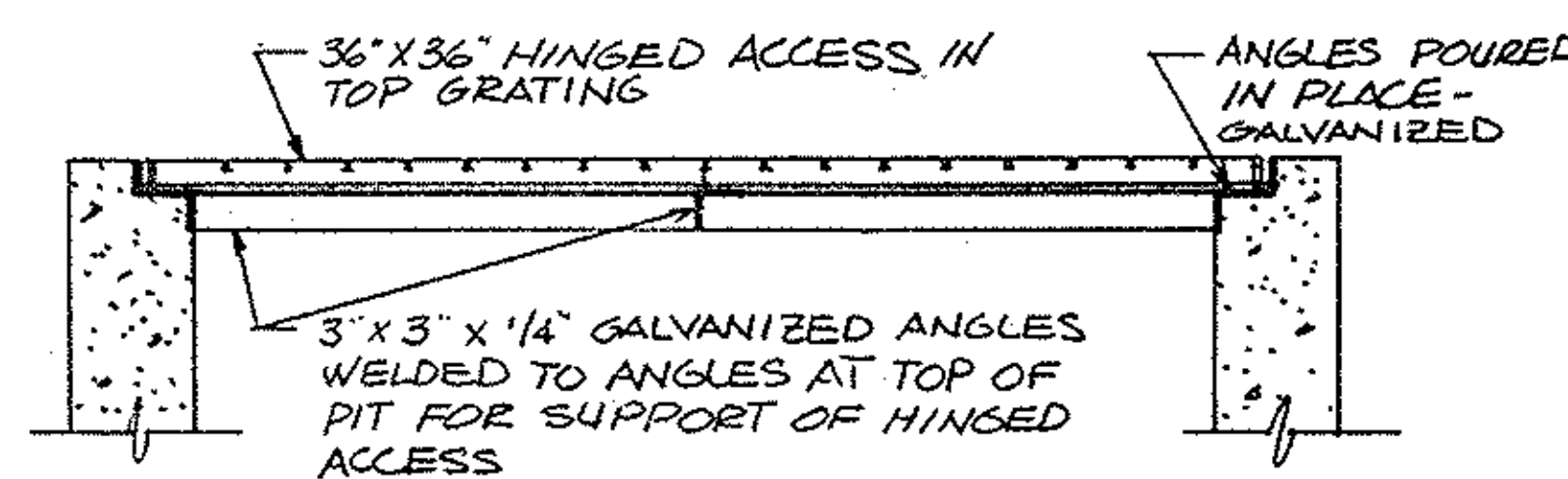


CONCRETE PADS

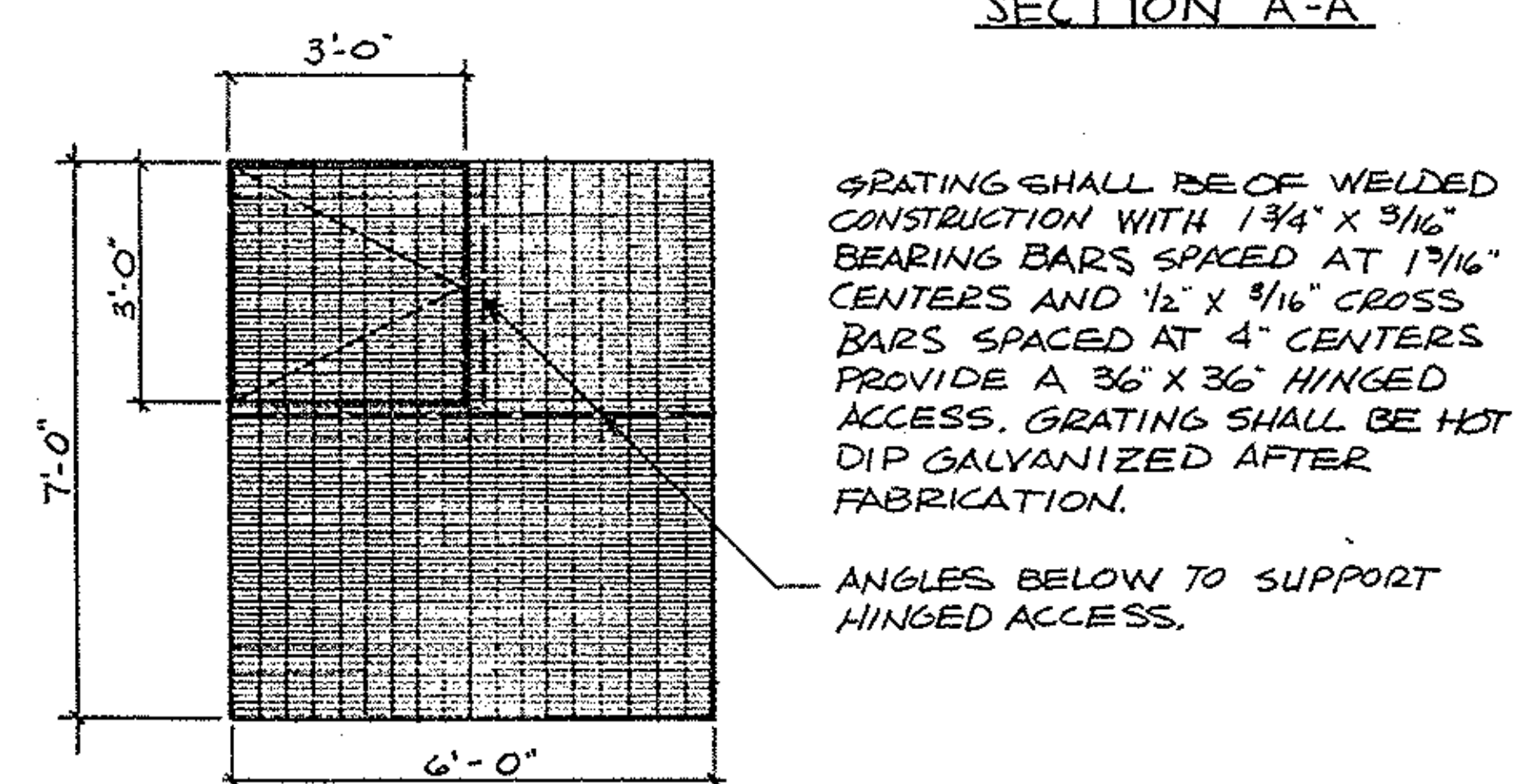
SECTION A-A

SECTION B-B

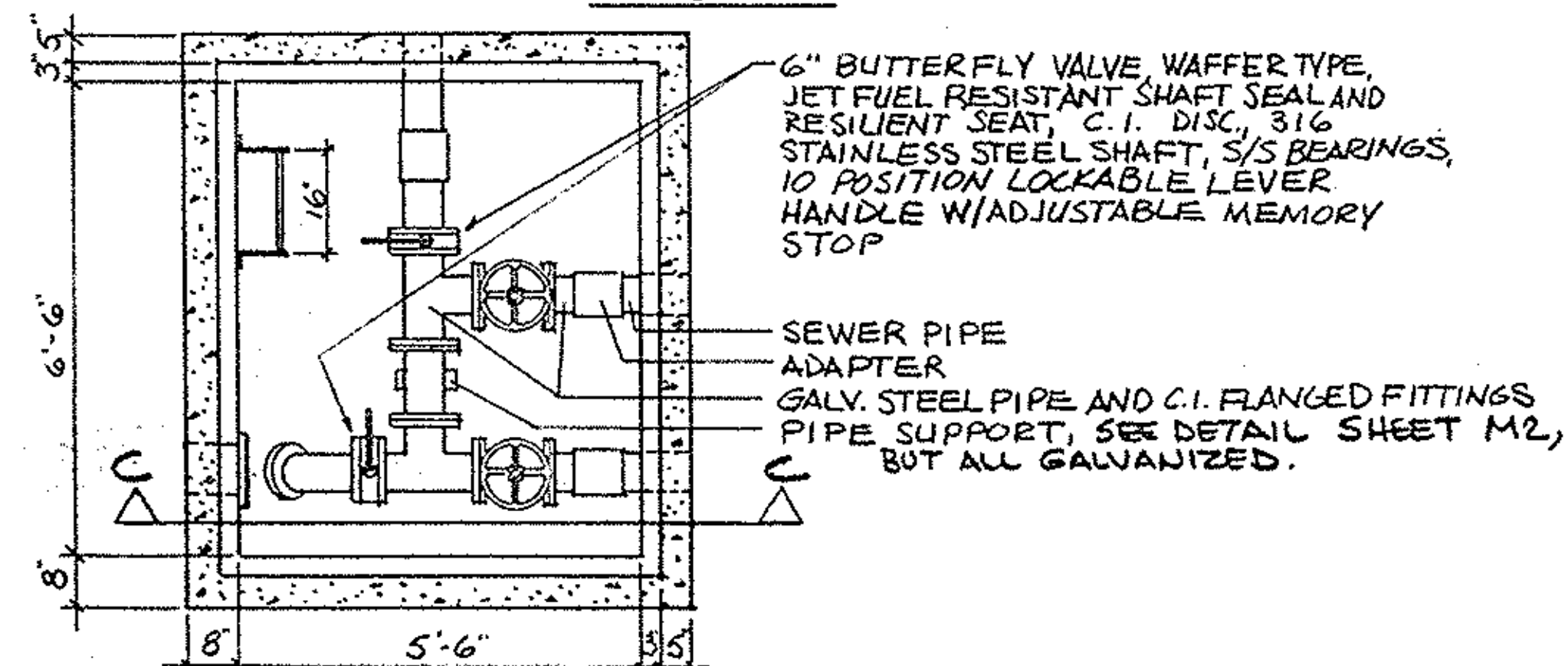
OIL-WATER SEPARATOR $1\frac{1}{2}'' = 1'-0''$



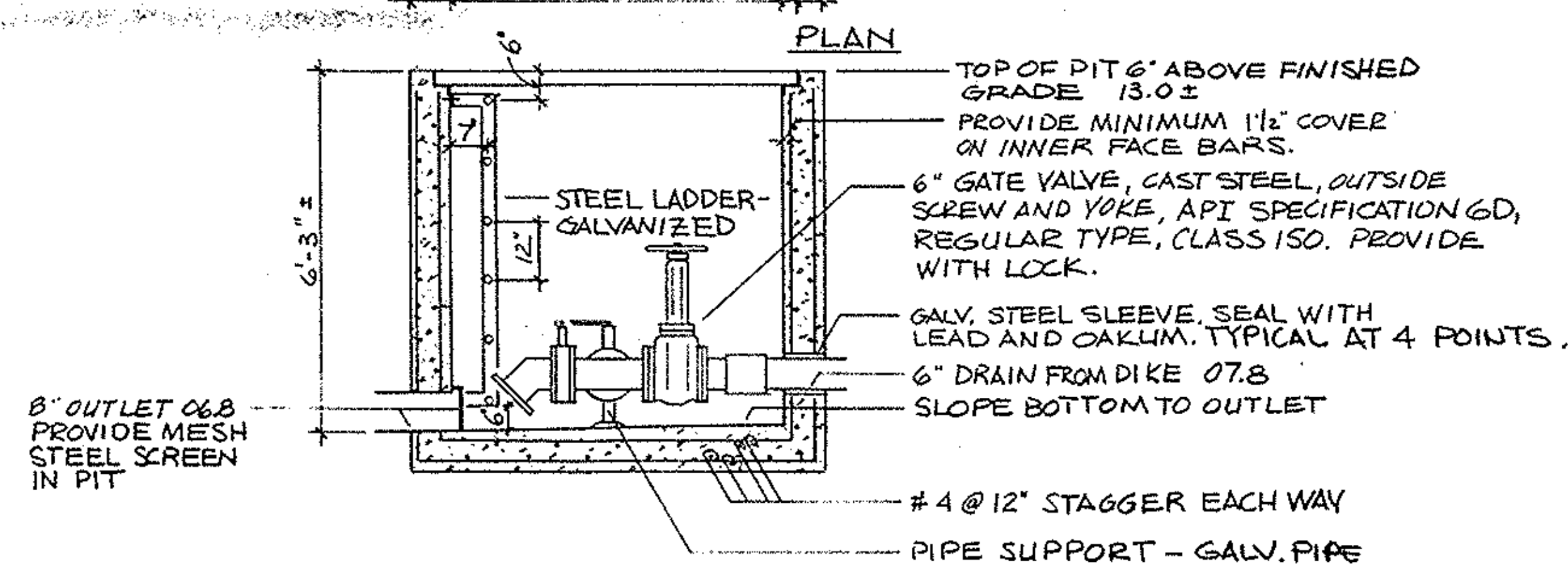
DETAIL OF TOP GRATING AT
BY-PASS PIT
1" = 1'-0"



TOP GRATE

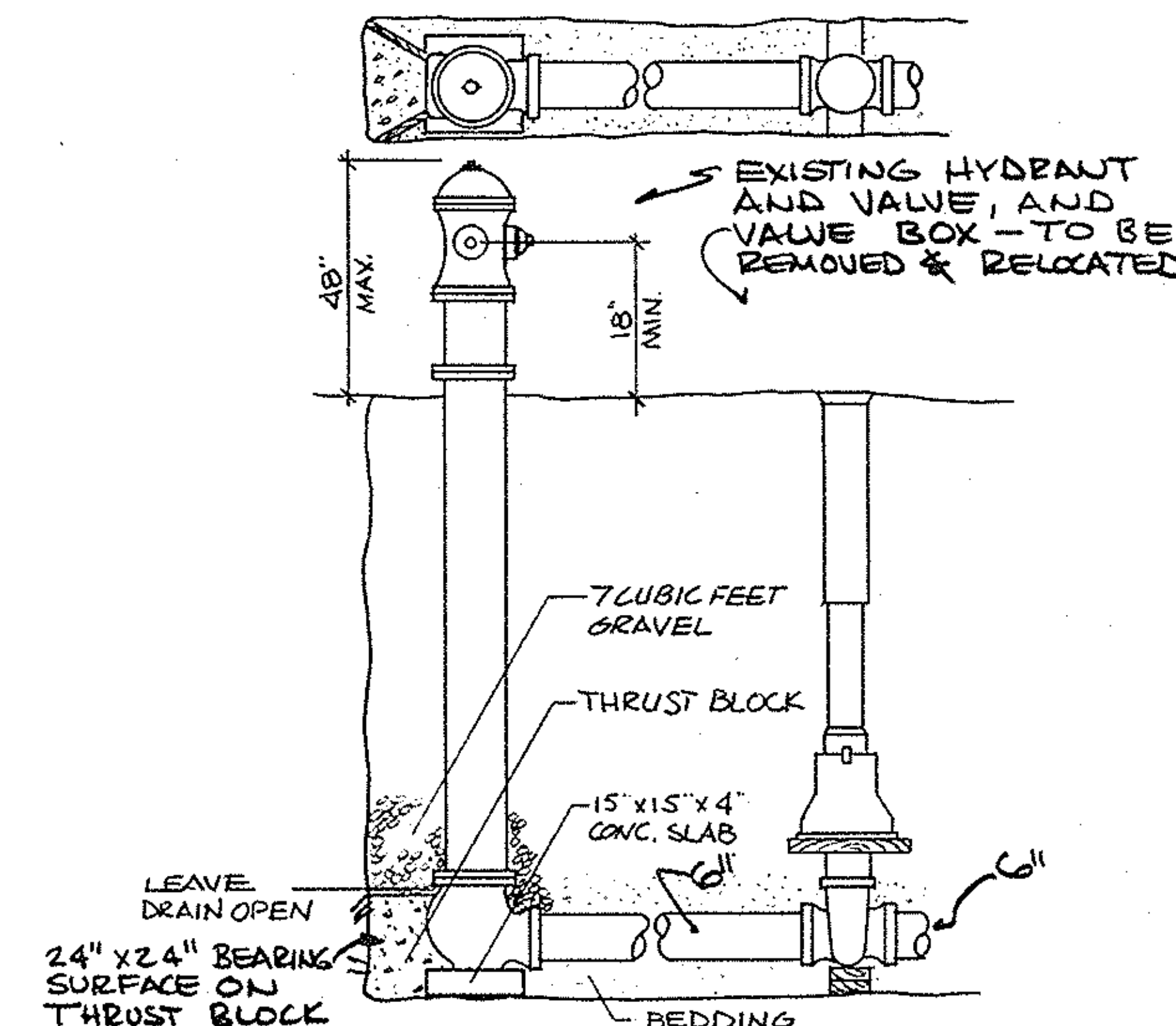


PLAN



SECTION C-C

DIKE DRAINAGE BY-PASS PIT $\frac{1}{2}'' = 1'-0''$



RELOCATED FIRE HYDRANT & VALVE
NO SCALE

THIS DRAWING HAS BEEN REDUCED
TO ONE-HALF THE ORIGINAL SCALE

DATE	DESCRIPTION	MADE	APPROVED
REVISIONS			
MOCHON-HACK WORTHY- JUEISSON ARCHITECT - ENGINEERS MILWAUKEE, WISCONSIN		U. S. ARMY ENGINEER DISTRICT MINNEAPOLIS, MINN. CORPS OF ENGINEERS MINN. NEBRASKA	
DESIGNED BY: D.B.	MPLS. - ST. PAUL I. A.P. MINNEAPOLIS, MN.		
DRAWN BY: D.B.	ALTER JET FUEL STORAGE (4H-135)		
CHECKED BY: W.K.	OIL SEPARATOR AND DRAINAGE DETAILS		
SUBMITTED BY: W.B. Krumm ARCHITECT-ENGINEERS	80-CMAFR-ADVP-4H-135		
RECOMMENDED BY: C. Krumm	APPROVED BY: J. D. Burnell CHIEF, ENGINEER DIVISION	DATE: OCTOBER 1980	
PROJECT: FUEL	AS SHOWN		SPEC. NO. DACA 45 81 B 0020
DRAWN BY: F. S. [Signature]		DATE: AW78-01-01	

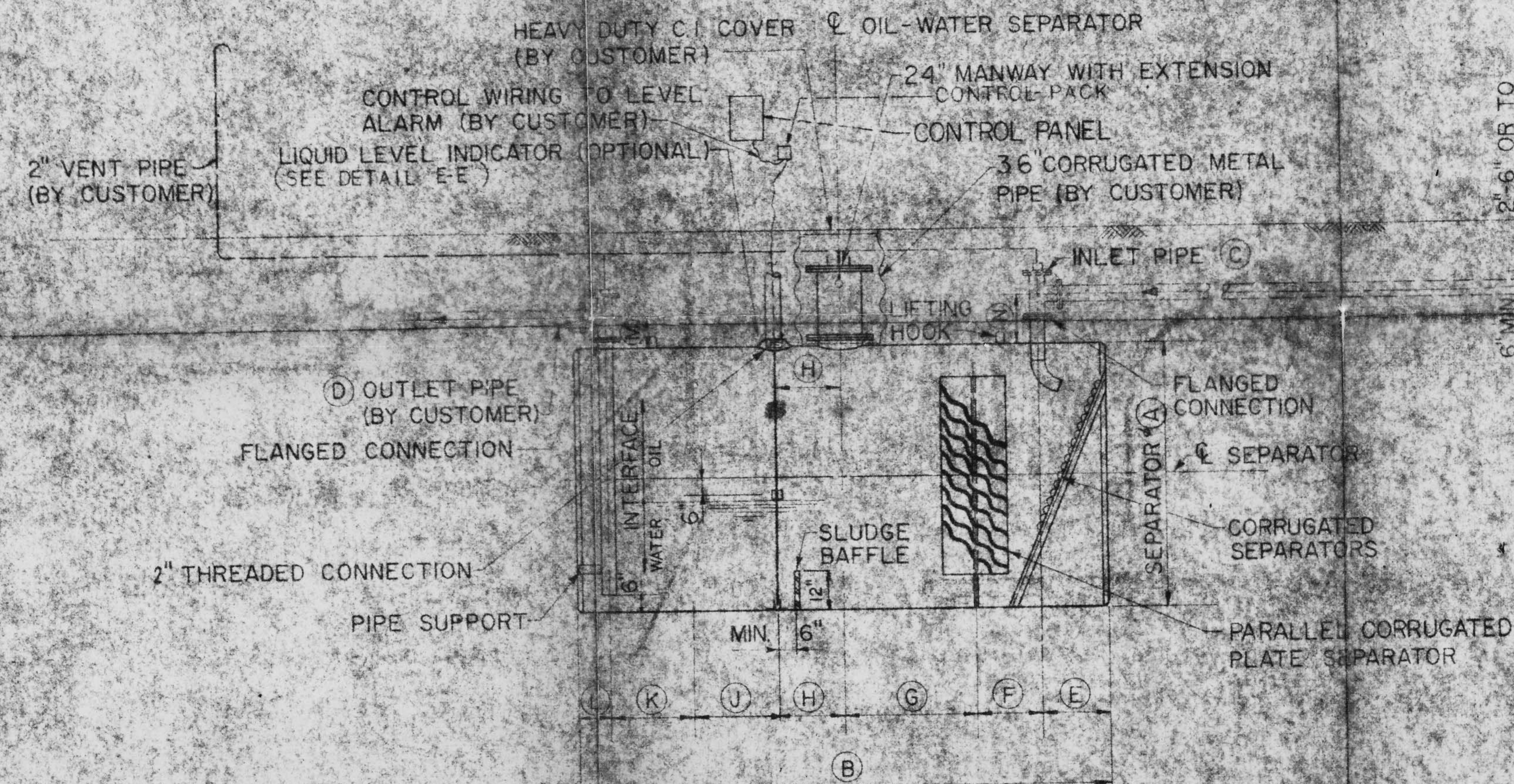
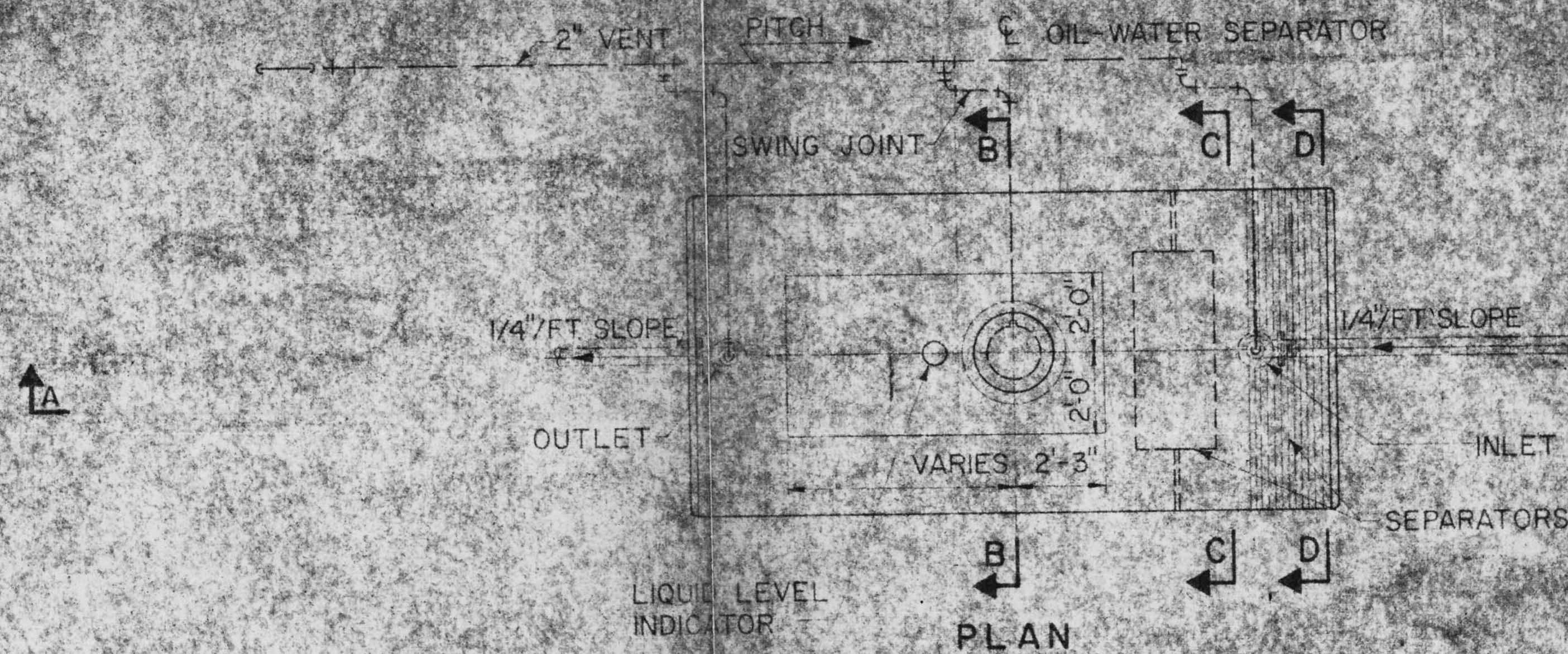
0' 6" 1' 2' 3' 4' 5' 6' $\frac{1}{2}'' = 1' - 0$

GRAPHIC SCALES

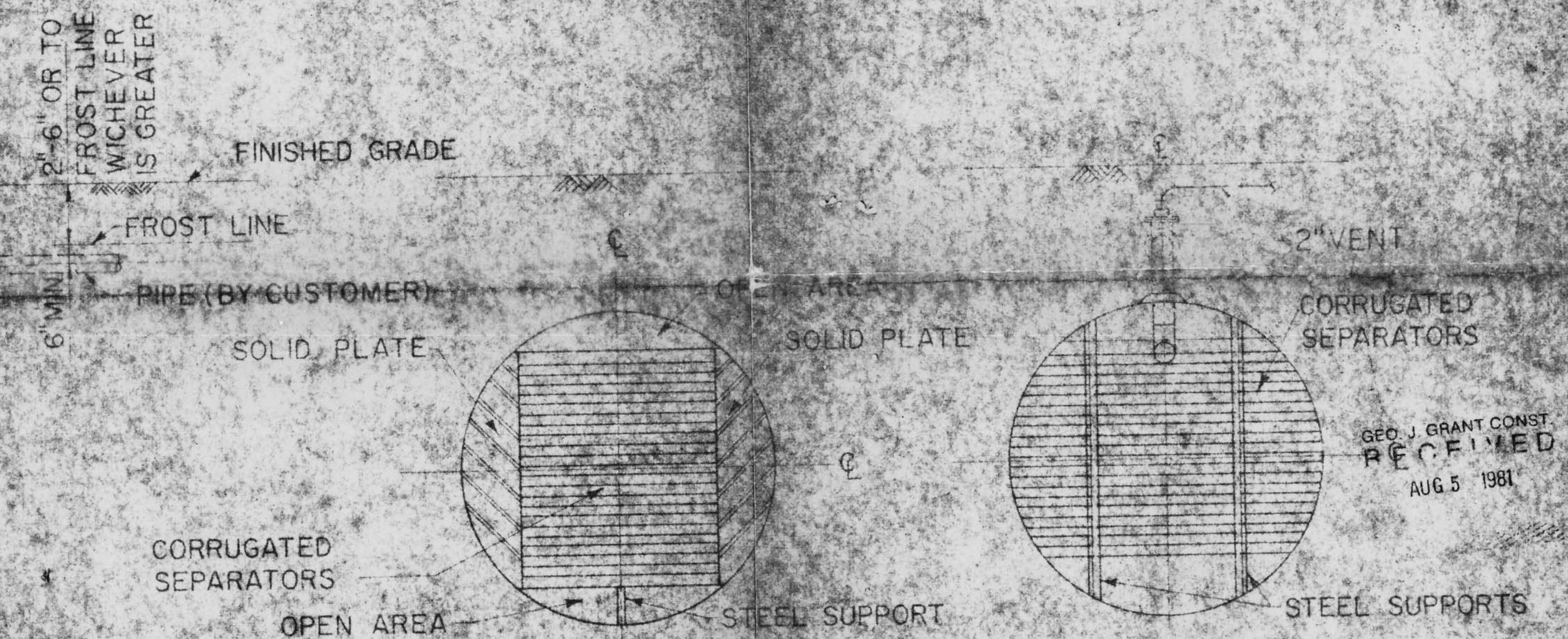
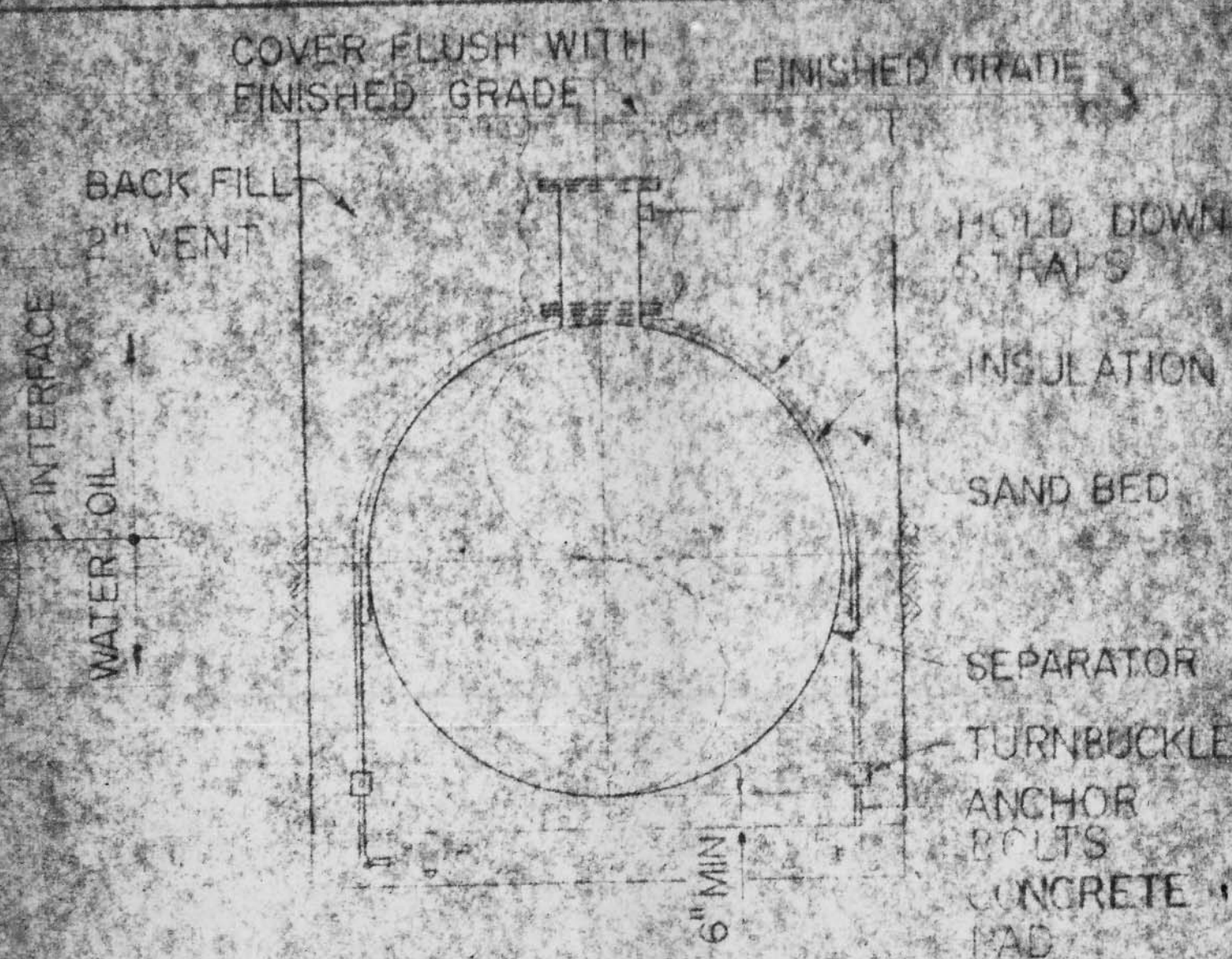
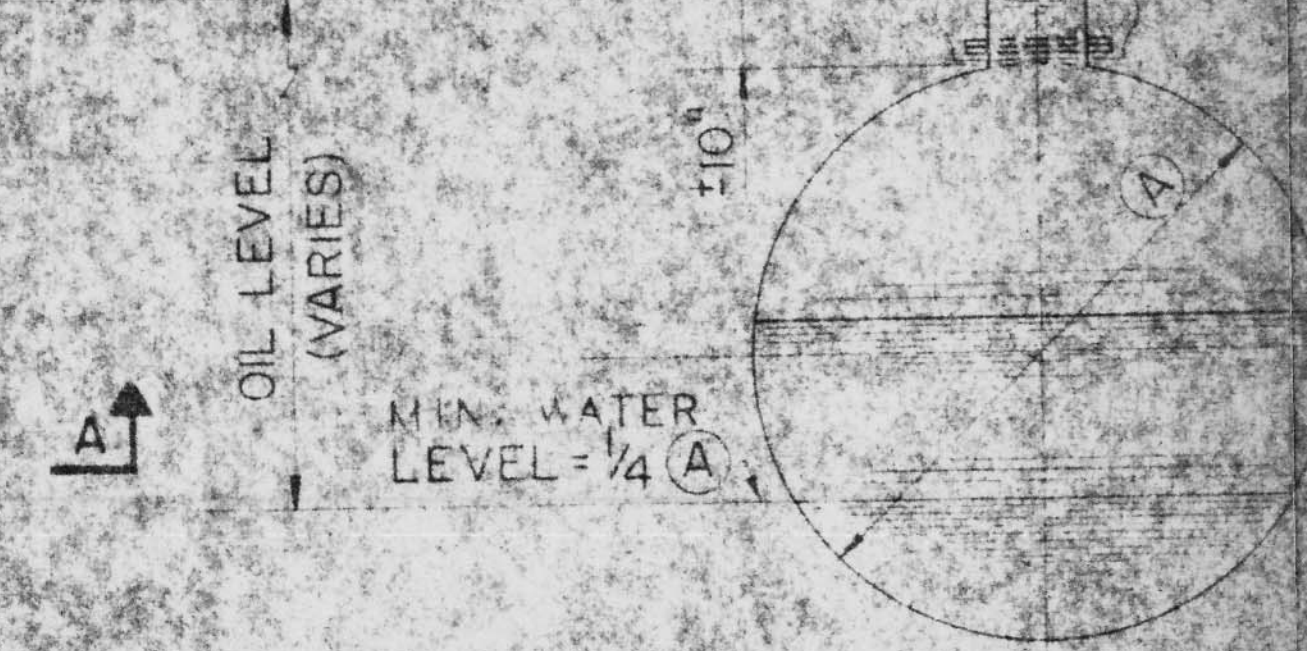
GEO. J. GRANT CONSTRUCTION CO.
831 COMO AVE.
ST. PAUL, MINN. 55103
(612) 489-1388



APR 16 1981



LIQUID IN SEPARATOR ALWAYS FILLED WITH OIL, OIL/WATER OR WATER TO THIS LEVEL



- NOTES
6. UNIT EXTERIOR SHALL BE COAL TAR EPOXY COATED.
7. UNIT SHALL BE DOUBLE WELDED (INT. & EXT.)

SCHEDULE OF STANDARD SIZE OIL-WATER SEPARATORS																		
MODEL	FLOW RATE GPM	STORAGE CAPAC. GALS	A OUTSIDE DIA. FT-IN	B OVERALL LENGTH FT-IN	OIL CAPACITY GALS	THICKNESS GA. & IN	C	D	E	F	G	H	J	K	L	M (MAX)	N (MIN)	WEIGHT (LBS)
OWS 0000	1175	10,000	3'-0"	26'-8"	6,000	1/4"	10"	10"	2'-6"	2'-0"	8'-0"	2'-0"	2'-0"	7'-0"	1'-6"	1'-3"	2'-3"	11,970

NOTES:

- SEPARATORS SHALL BE FILLED WITH CLEAN FRESH WATER AS SOON AS POSSIBLE AFTER PLACEMENT ON SAND BED.
- FOR INSTALLATION OF SEPARATORS IN AREAS HAVING HIGH WATER TABLES CONSULT MANUFACTURER.
- SEPARATORS INSTALLED IN AREAS PERIODICALLY SUBJECT TO HIGH WATER TABLES AND WHICH ARE NOT ANCHORED IN PLACE MUST NEVER BE EMPTIED OF LIQUID CONTENTS.
- FLOW RATES SHOWN IN SCHEDULE ARE RANGES FROM ZERO TO THE VALUE INDICATED AS A MAXIMUM.
- OIL, WATER AND OILY WATER ENTERING SEPARATOR MUST BE FREE OF EMULSIONS AND DETERGENTS IN ORDER TO GUARANTEE PROPER OIL-WATER SEPARATION. HENCE ALL LIQUIDS ENTERING THE SEPARATOR CONTAINING THESE ELEMENTS MUST BE CHEMICALLY TREATED TO NEGATE THEIR EFFECTS.

FOR REFERENCE ONLY
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ALTER JET FUEL STORAGE
MINNEAPOLIS, MN.

PATENT NO. 4,042,512

MCTIGHE INDUSTRIES
HUNTINGTON N.Y.

OIL WATER SEPARATOR

DATE 7-29-81

DWG. NO. OWS-1-0