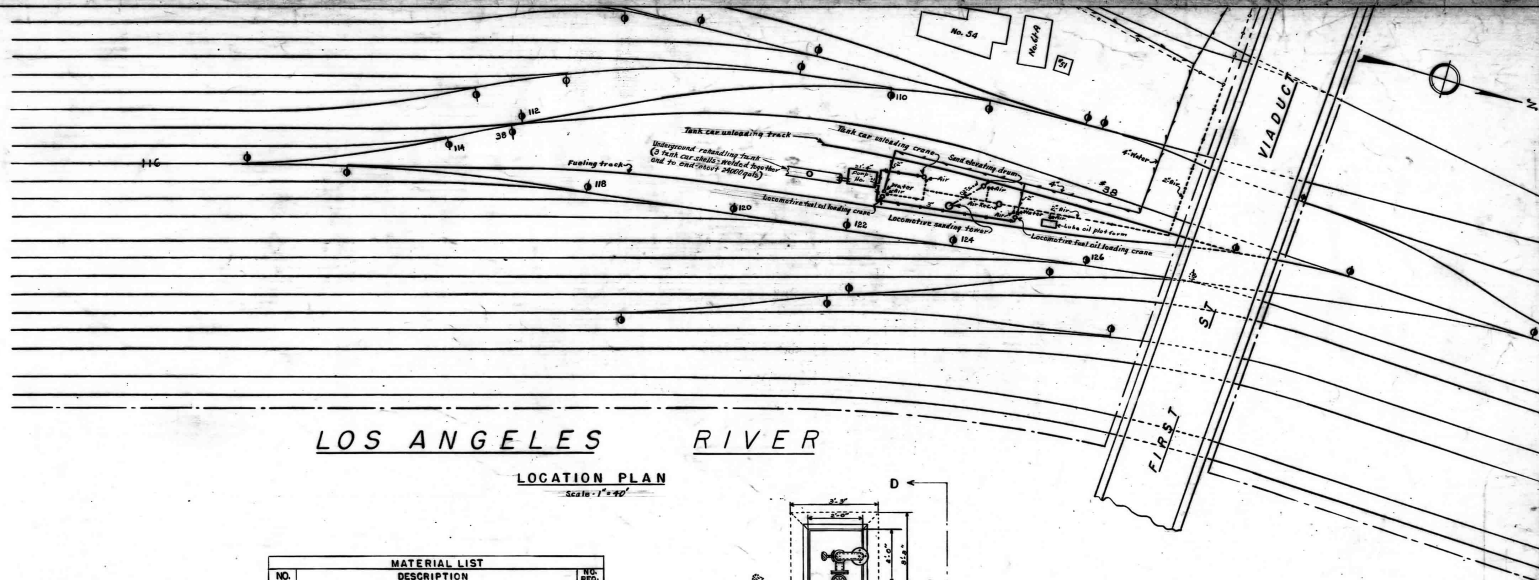
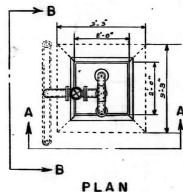




LOS ANGELES RIVER

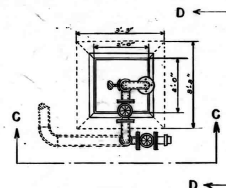
LOCATION PLAN

Scale: 1"=50'

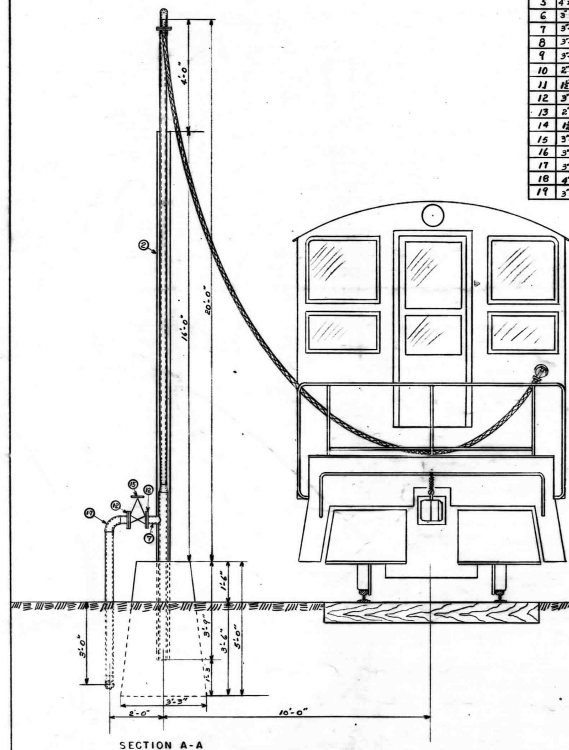


PLAN

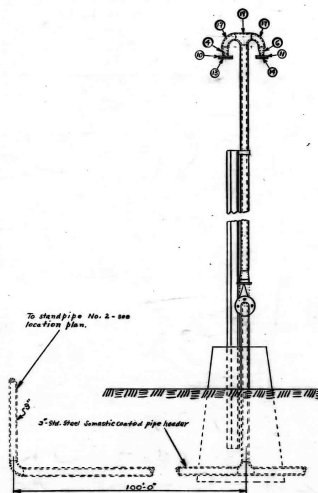
NO.	DESCRIPTION	QTY.
1	3" Nuts and Washers - No. 355E - 4" x 4"	1
2	1/2" Length - 40" S.W. Steel Rail	2
3	1/2" Length - 10" S.W. Steel Rail	1
4	3/4" x 1/2" Concentric Welding Rods - Crane No. 355E	2
5	4" x 3" - - - - -	3
6	3" x 1/2" - - - - -	2
7	3" Welding Rods - 4' long - Shaped to fit 4" Pipe - Crane No. 355E	2
8	3" - - - - -	1
9	3" - - - - -	1
10	2" Slip on Welding Flange - Crane No. 354	2
11	1/2" - - - - -	2
12	3" - - - - -	8
13	2" Blind Flange - Crane No. 354E	2
14	1/2" Screwed Flange - Crane No. 354	2
15	3" Iron Body with Valve - Flanged - Brass - Crane No. 145E	4
16	3" Screwed Flange - Crane No. 354	2
17	2" Welding Flange - Crane No. 354E - 90°	10
18	4" - - - - -	4
19	3/4" x 3/4" Welding Tee - No. 355E	4



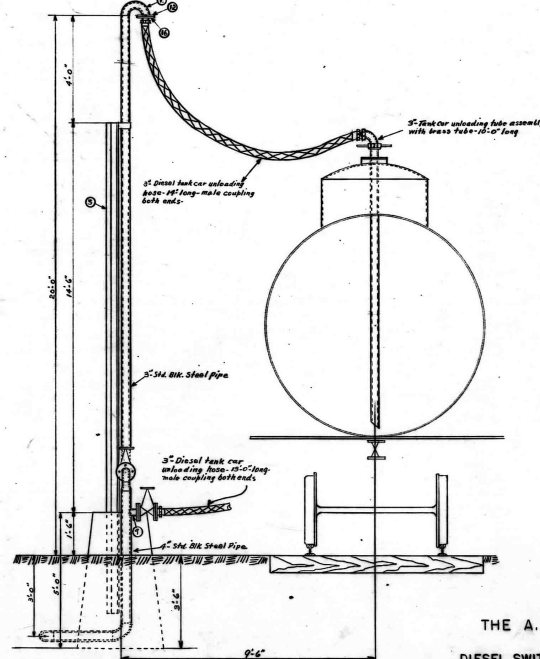
PLAN



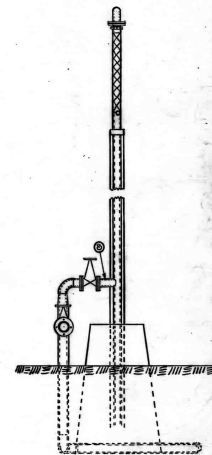
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

SWITCH ENGINE FUELING STANDPIPE

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

TANK CAR UNLOADING STANDPIPE

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

THE A. T. & S. F. RY. SYSTEM
COAST LINES
DIESEL SWITCH ENGINE SERVICING FACILITIES
FIRST ST. - LOS ANGELES, CALIFORNIA
SWITCH ENGINE FUELING & TANK CAR UNLOADING

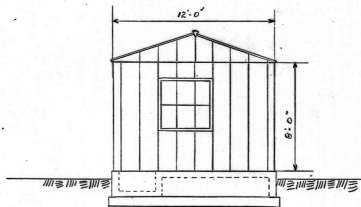
LOS ANGELES - CAL.
MAY 19 - 1947

M. C. BLANCHARD - CHIEF ENG.
G. L. DAVENPORT - ASS'T. ENG.

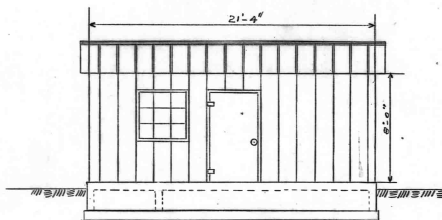
SCALE AS NOTED 25065

CECL NO. 183-25065-SHEET 1

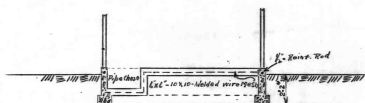
NOTE: This pump house above the foundation will be a standard structure 12' x 12' x 10' high & 10' high and is designed to be erected on the site with complete erection instructions.



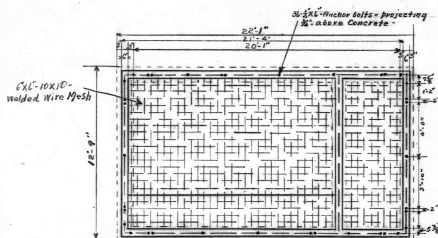
END VIEW OF PUMP HOUSE
Scale 1/4" = 1'-0"



WEST SIDE OF PUMP HOUSE
Scale 1/4" = 1'-0"

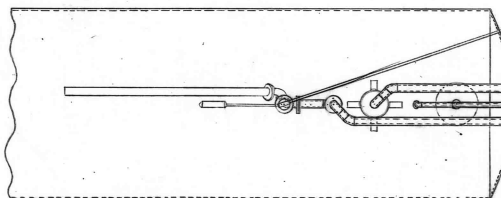


SECTION D-D
Scale 1/4" = 1'-0"

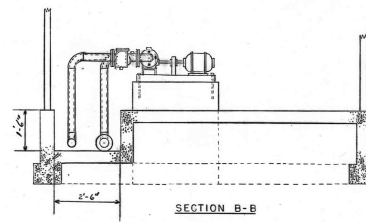


FOUNDATION PLAN OF PUMP H.O.
Scale 1/4" = 1'-0"

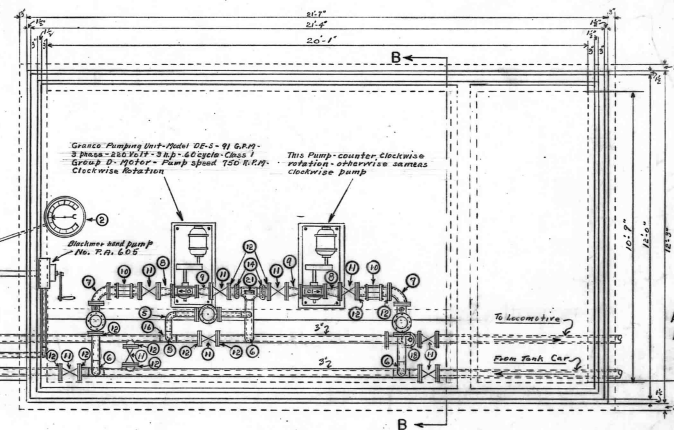
MATERIAL LIST		
N.O.	Description	QTY.
1	1" x 4" x 10" steel angles - Crane No. 1	1
2	1" x 4" x 10" steel angles - Crane No. 2	1
3	1" x 4" x 10" steel angles - Crane No. 3	1
4	1" x 4" x 10" steel angles - Crane No. 4	1
5	1" x 4" x 10" steel angles - Crane No. 5	1
6	1" x 4" x 10" steel angles - Crane No. 6	1
7	1" x 4" x 10" steel angles - Crane No. 7	1
8	1" x 4" x 10" steel angles - Crane No. 8	1
9	1" x 4" x 10" steel angles - Crane No. 9	1
10	1" x 4" x 10" steel angles - Crane No. 10	1
11	1" x 4" x 10" steel angles - Crane No. 11	1
12	1" x 4" x 10" steel angles - Crane No. 12	1
13	1" x 4" x 10" steel angles - Crane No. 13	1
14	1" x 4" x 10" steel angles - Crane No. 14	1
15	1" x 4" x 10" steel angles - Crane No. 15	1
16	1" x 4" x 10" steel angles - Crane No. 16	1
17	1" x 4" x 10" steel angles - Crane No. 17	1
18	1" x 4" x 10" steel angles - Crane No. 18	1
19	1" x 4" x 10" steel angles - Crane No. 19	1
20	1" x 4" x 10" steel angles - Crane No. 20	1
21	1" x 4" x 10" steel angles - Crane No. 21	1
22	1" x 4" x 10" steel angles - Crane No. 22	1
23	1" x 4" x 10" steel angles - Crane No. 23	1
24	1" x 4" x 10" steel angles - Crane No. 24	1



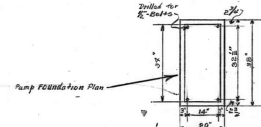
CUTAWAY PLAN OF TANK SHOWING INTERNAL MECHANISM



SECTION B-B



PLAN

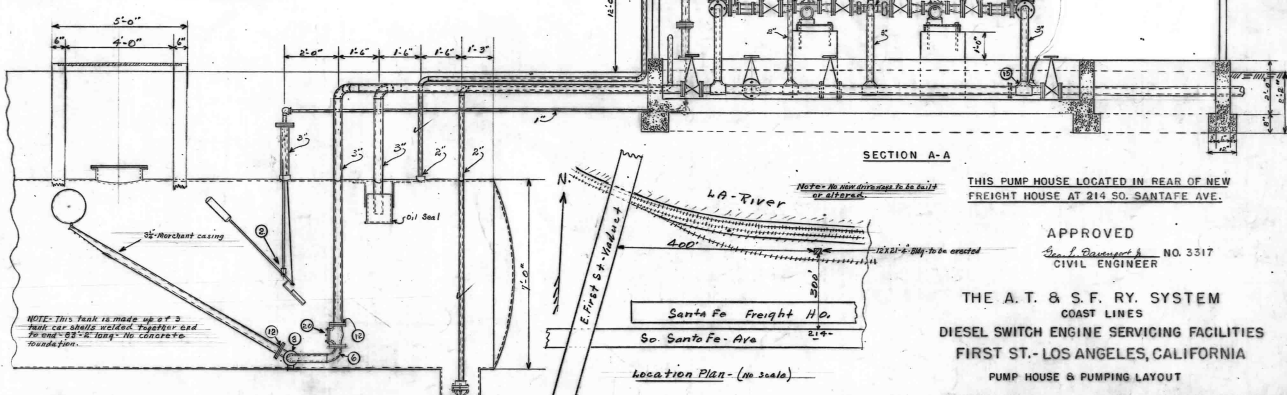


Pump Foundation Plan

Concrete & Reinforced Steel Notes
CONC. MIX: 1 part cement - 2 1/2 parts sand - 3 1/2 parts rock - (6 bags per cu yd) - 100 lbs. water per bag (including water in aggregate) - FC - 2000 P.S.I. in 28 days - GRADE "C"
All work should be done in accordance with the specifications for concrete and steel reinforcement.
Continuous inspection not required.

No. Welding on job

Soil pressure not to exceed 400 P.S.F.
Soil is Type "B-3"



SECTION A-A

THIS PUMP HOUSE LOCATED IN REAR OF NEW FREIGHT HOUSE AT 214 SO. SANTA FE AVE.

APPROVED
G. L. DAVENPORT
CIVIL ENGINEER
NO. 3317

THE A. T. & S. F. RY. SYSTEM
COAST LINES
DIESEL SWITCH ENGINE SERVICING FACILITIES
FIRST ST. - LOS ANGELES, CALIFORNIA
PUMP HOUSE & PUMPING LAYOUT

LOS ANGELES - CAL.
NOV 10 - 1947

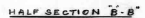
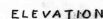
M. G. BLANCHARD - CHIEF ENG.
G. L. DAVENPORT - ASS'T ENG.

SCALE - 1/2" = 1'-0" EXCEPT AS NOTED - 25065

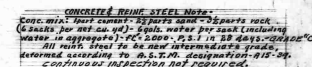
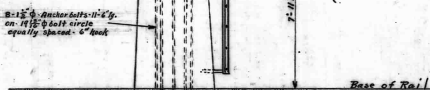


WELDING NOTE

WELDING NOTE
All members to be welded continuous on all
contacting edges with sufficient weld to develop the
Max. strength of the members-unless noted.



Scale - 3' = 1'-0"



WELDING NOTE

all welders & electrodes to be approved by
L. A. Dept. of Bldg. & Safety.
continuous inspection not required as stresses
do not exceed half those in walls, girders & beams

APPROVED $\frac{1}{2}$ " weld = 1200 #/ft
 $\frac{3}{8}$ " weld = 1800 #/ft
Leo. Callahan NO. 1155
STRUCTURAL ENG.

soil pressure not to exceed 2000 P.S.F.
soil is type "B-3"

NOTE: All reinforcing steel must have 3" clearance from face of conc.

THIS SAND TOWER WILL BE LOCATED IN REAR OF NEW
FREIGHT HOUSE AT 214 SO. SANTA FE AVE.

THE A. T. & S. F. RY. SYSTEM
COAST LINES
DIESEL SWITCH ENGINE SERVICING FACILITIES
FIRST ST.-LOS ANGELES, CALIFORNIA
ROSS AND WHITE FIVE TON SAND TOWER

LOS ANGELES-CAL.
DEC. 23-1947

SCALE AS NOTED

25065