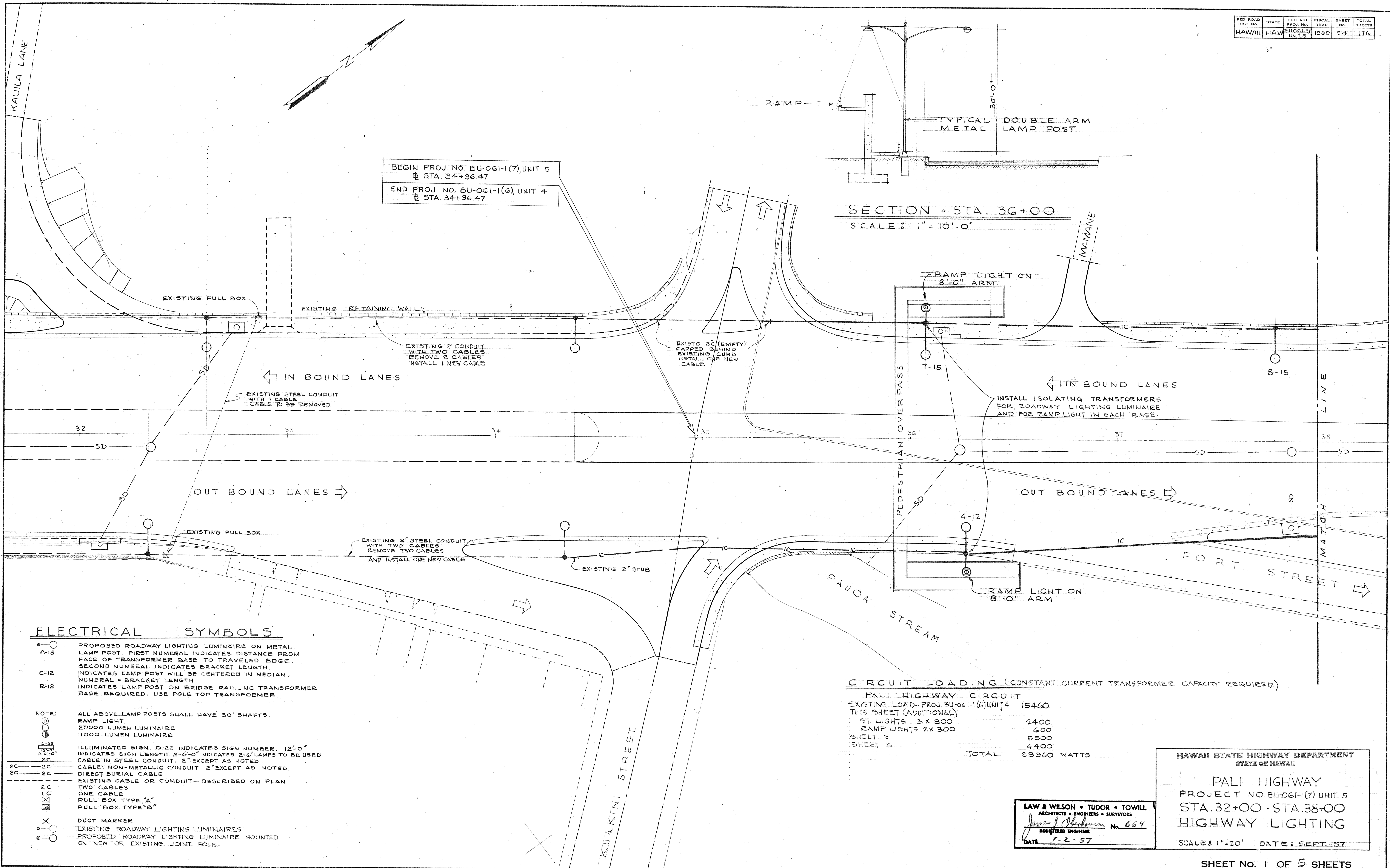
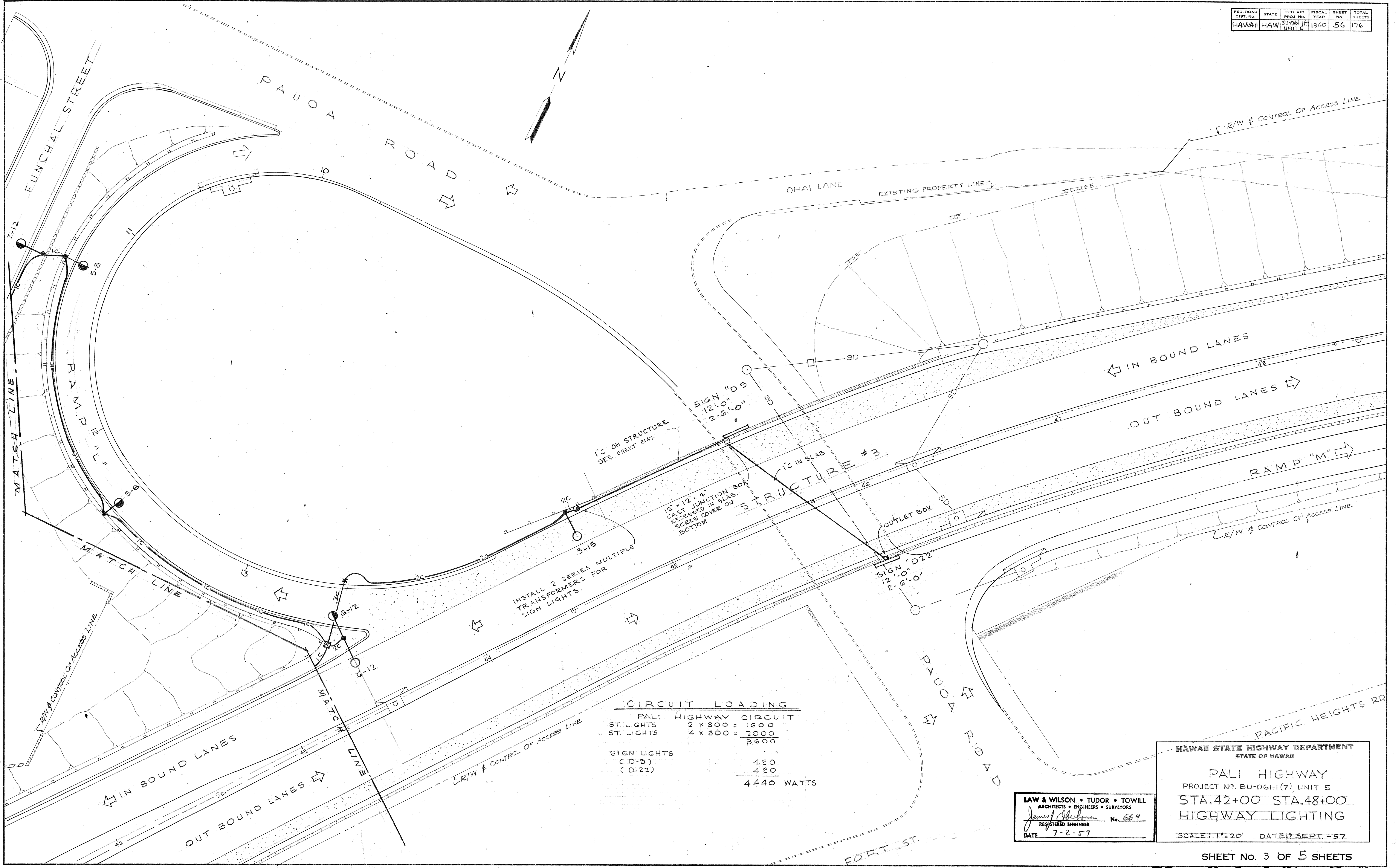




LAW & WILSON • TUDOR • TOWILL
ARCHITECTS • ENGINEERS • SURVEYORS
James J. Tudor
REGISTERED ENGINEER No. 664
DATE 7-2-57

HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII
PALI HIGHWAY
PROJECT NO. BU-061-1(7) UNIT 5
STA. 32+00 - STA. 38+00
HIGHWAY LIGHTING
SCALE: 1" = 20' DATE: SEPT.-57



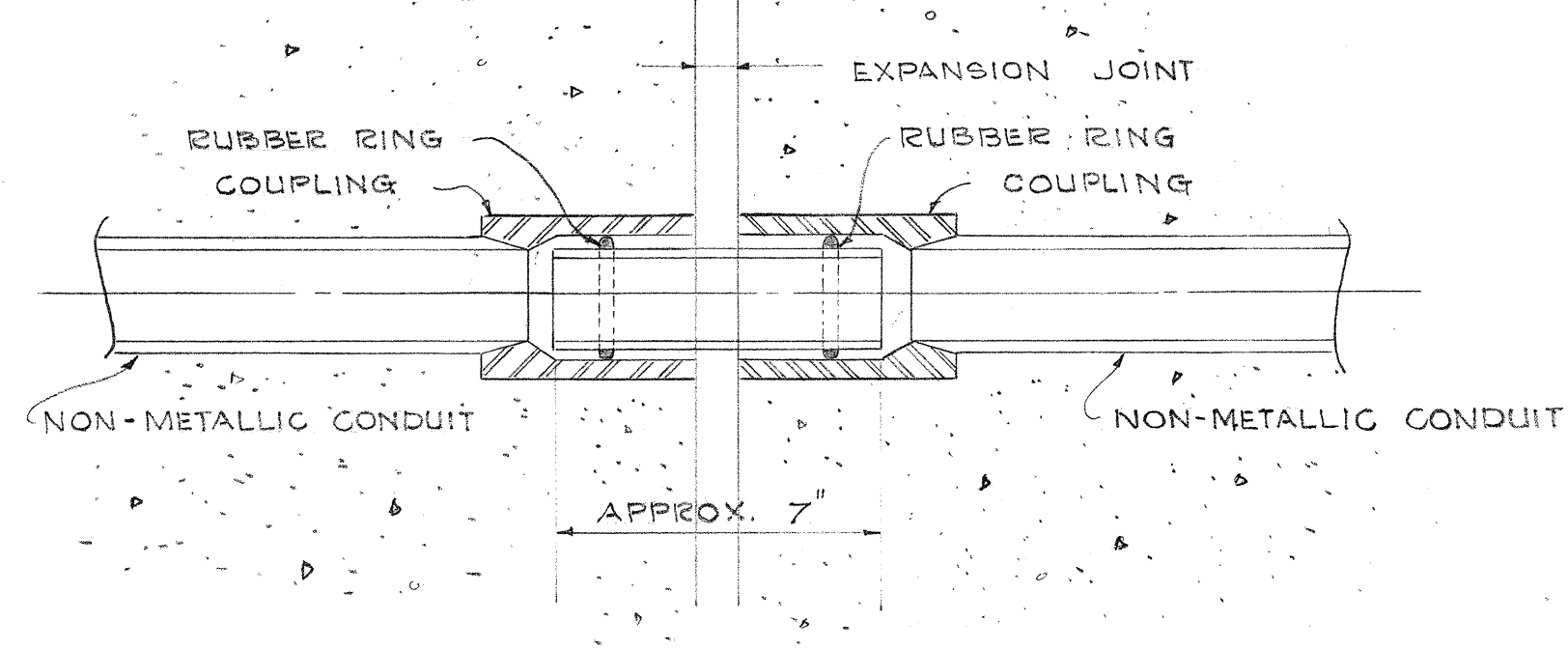
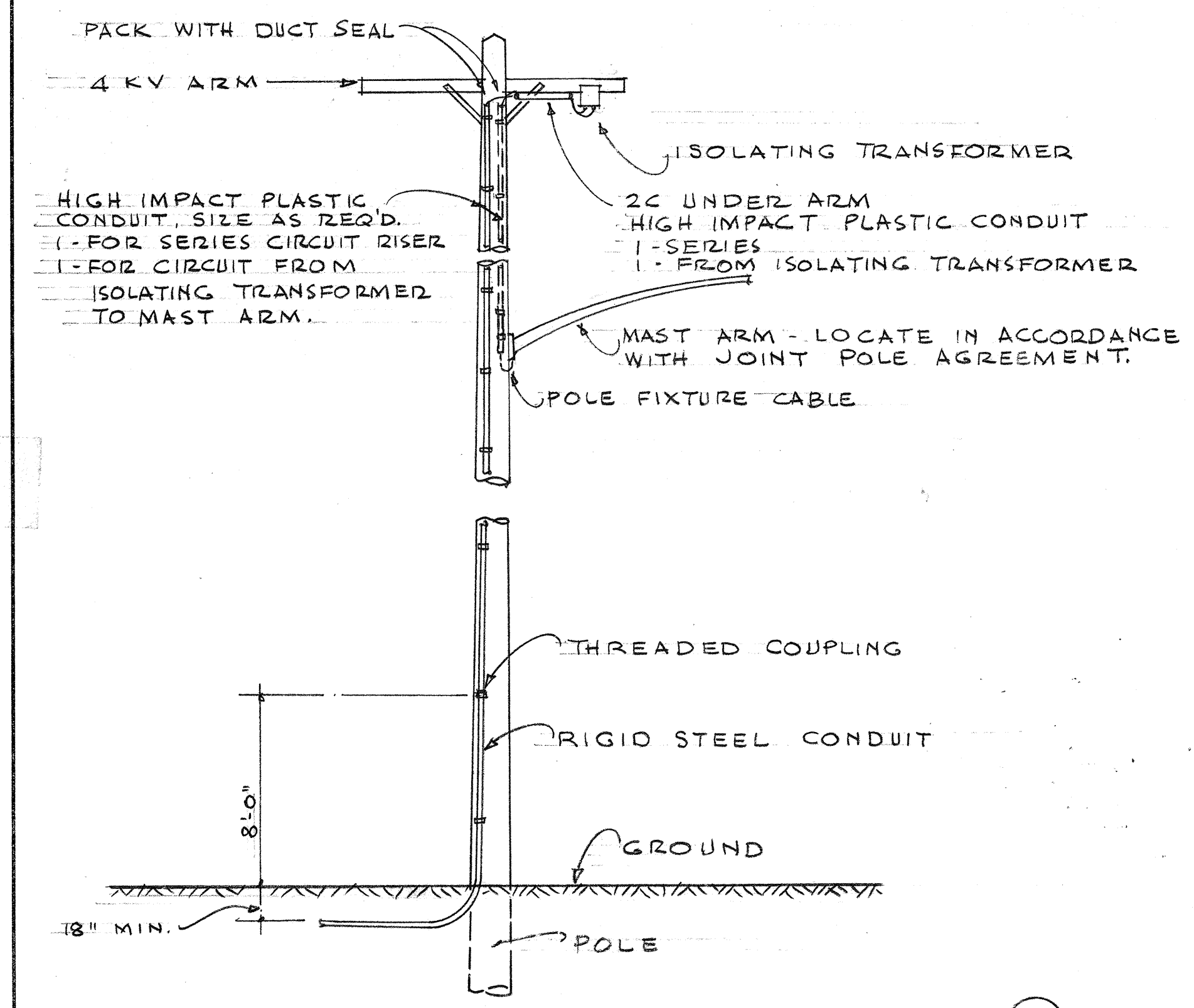
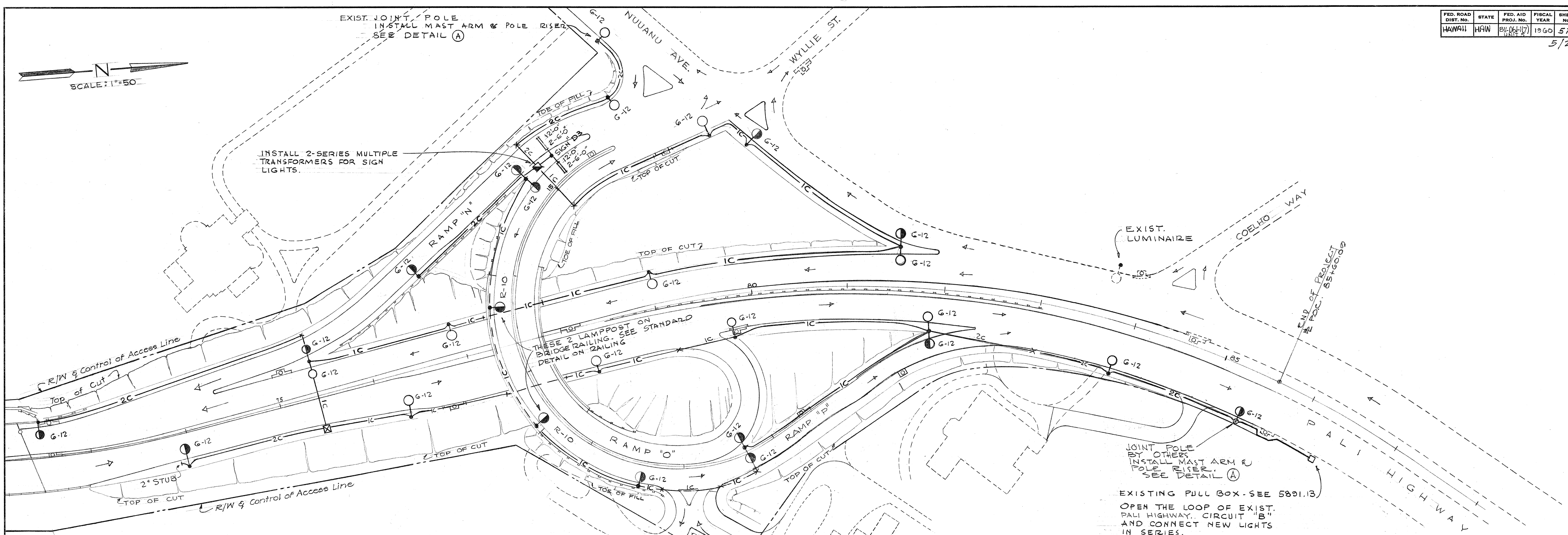
SURVEY PLOTTED BY: _____ DATE: _____
 ORIGINAL PLAN: _____
 TRACED BY: _____
 NOTE BOOK: _____
 QUANTITIES CHECKED BY: C.Y.
 CHECKED BY: _____
 No. _____

CIRCUIT LOADING

PALI HIGHWAY CIRCUIT	
ST. LIGHTS	2 x 800 = 1600
ST. LIGHTS	4 x 800 = 2000
	<u>3600</u>
SIGN LIGHTS (D-9)	420
(D-22)	420
	<u>4440 WATTS</u>

LAW & WILSON • TUDOR • TOWILL
 ARCHITECTS • ENGINEERS • SURVEYORS
James J. Wilson
 REGISTERED ENGINEER No. 6664
 DATE 7-2-57

HAWAII STATE HIGHWAY DEPARTMENT
 STATE OF HAWAII
PALI HIGHWAY
 PROJECT NO. BU-061(7), UNIT 5
 STA. 42+00 STA. 48+00
HIGHWAY LIGHTING
 SCALE: 1"=20' DATE: SEPT. -57



CIRCUIT LOADING (CONSTANT CURRENT TRANSFORMER CAPACITY REQUIRED)

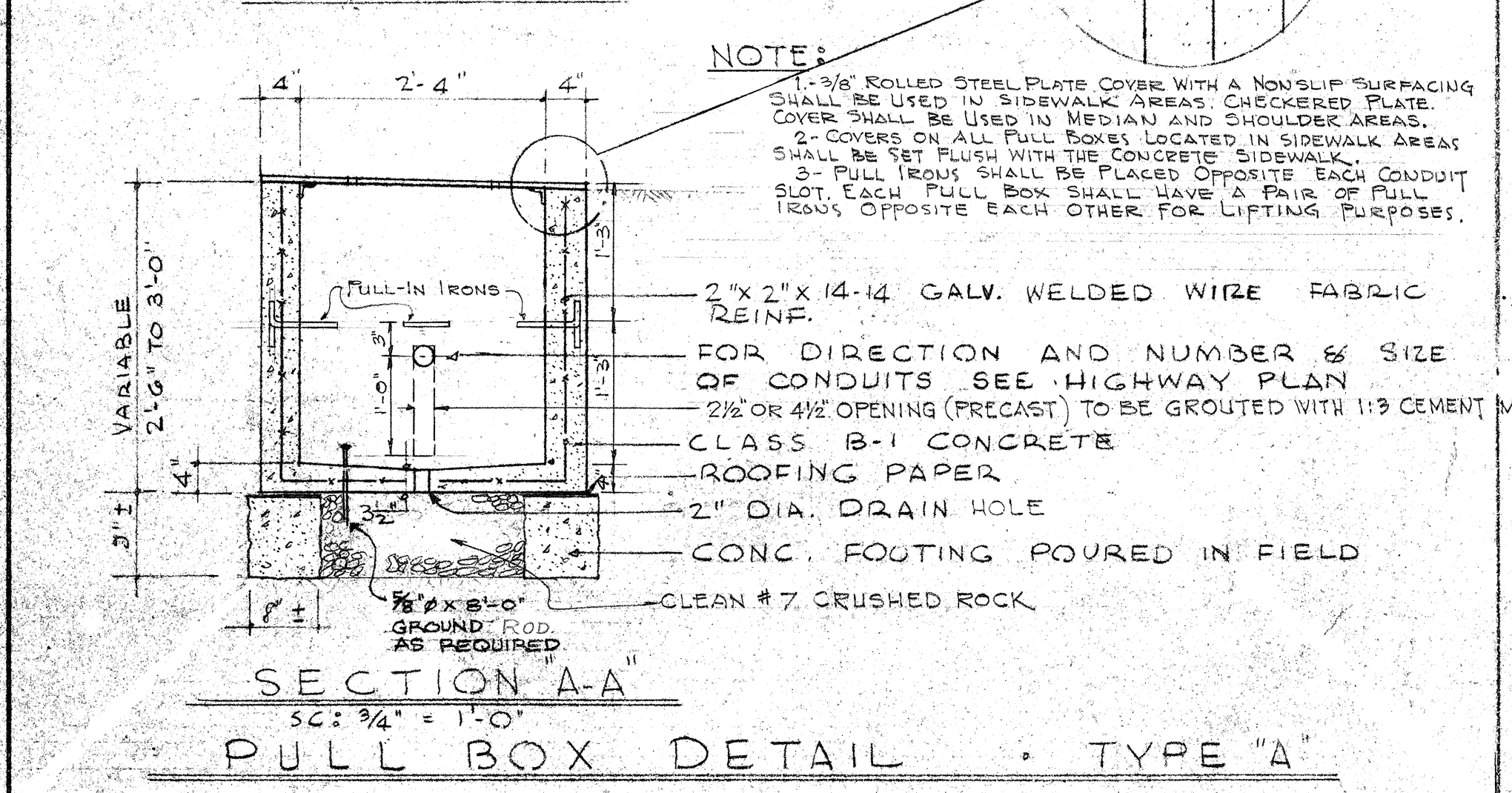
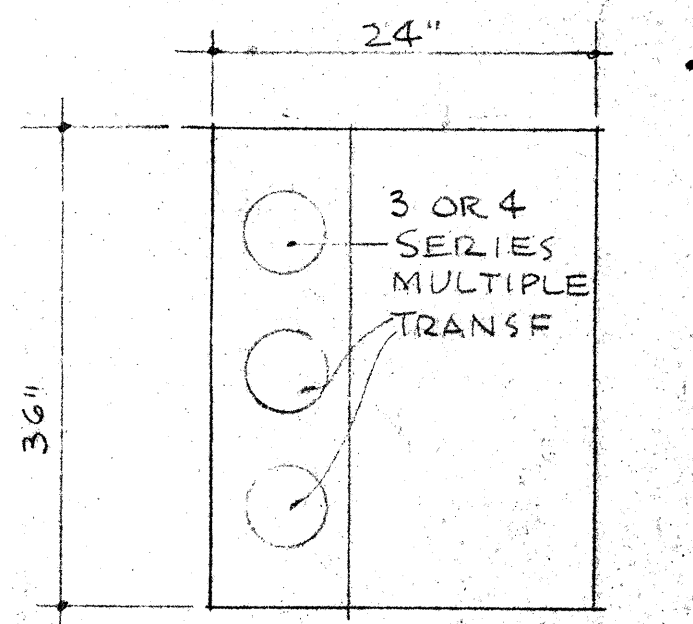
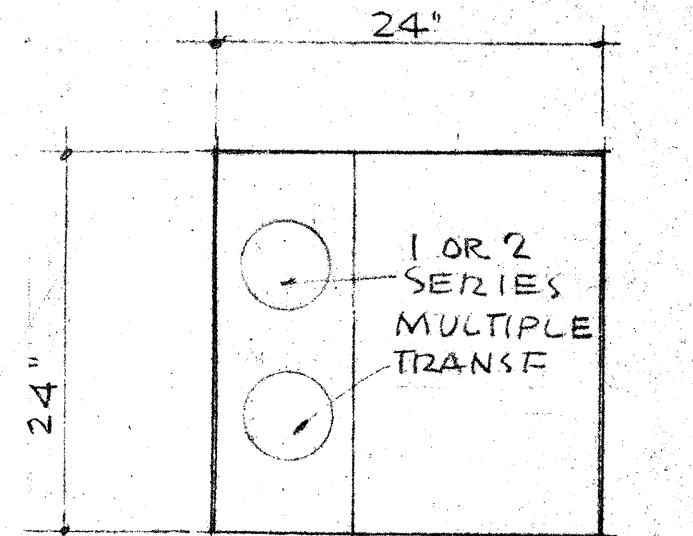
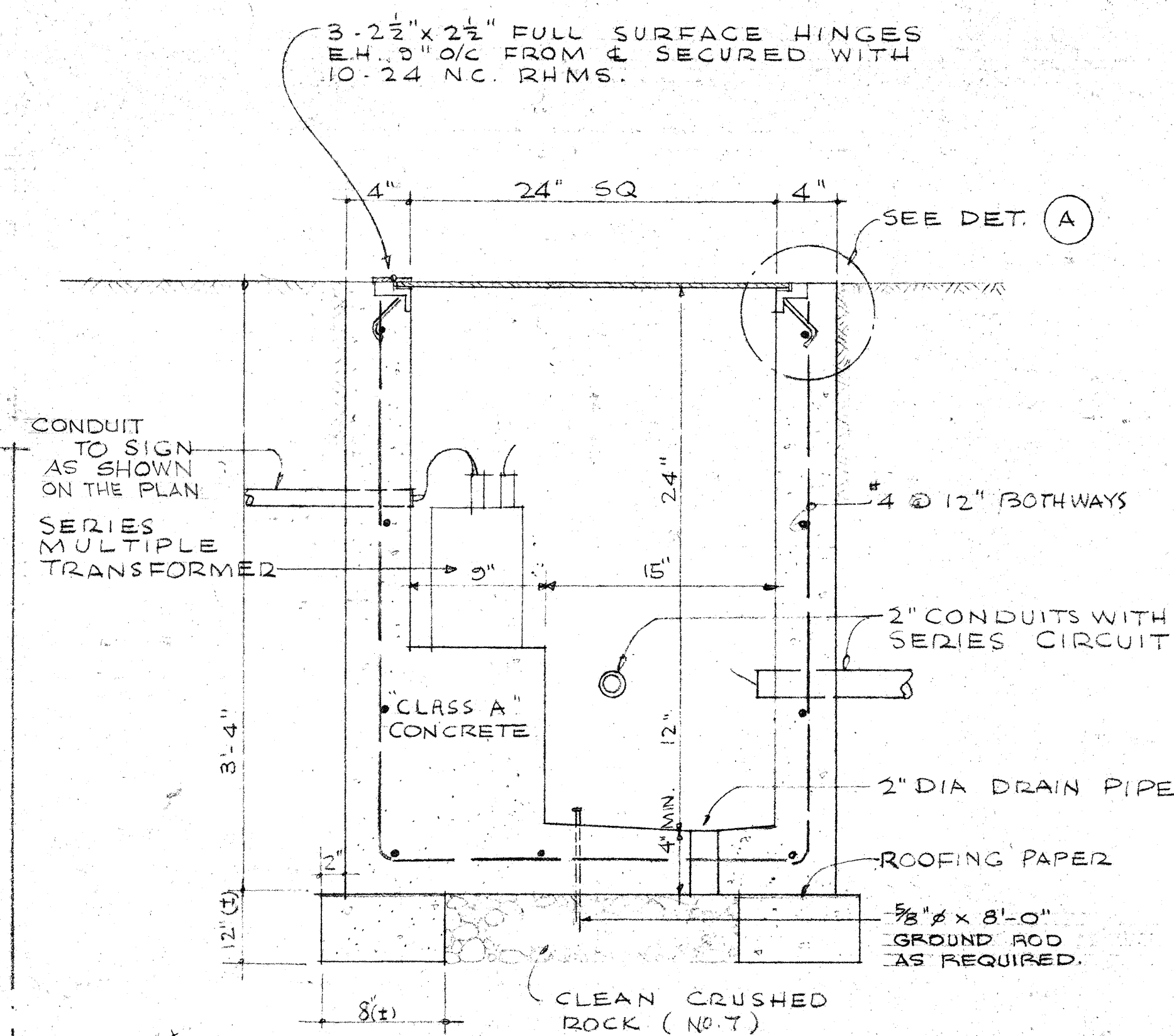
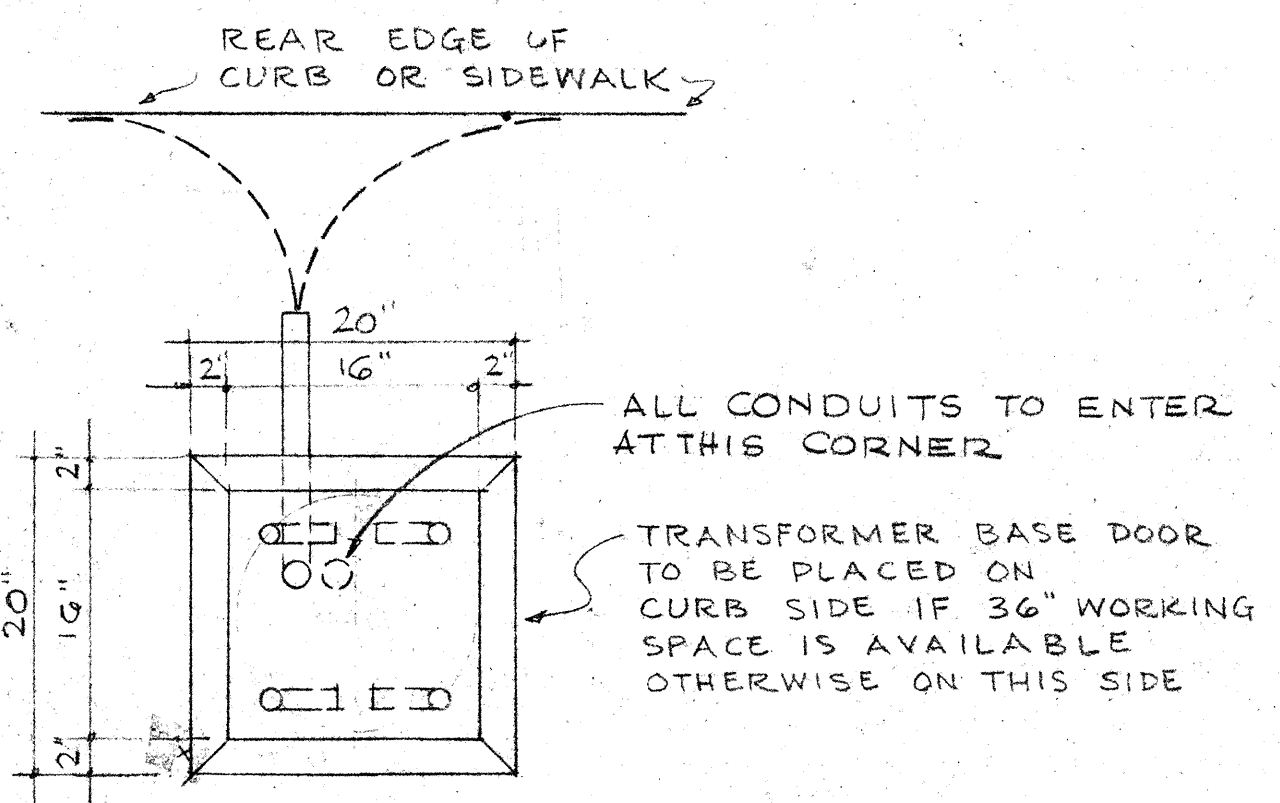
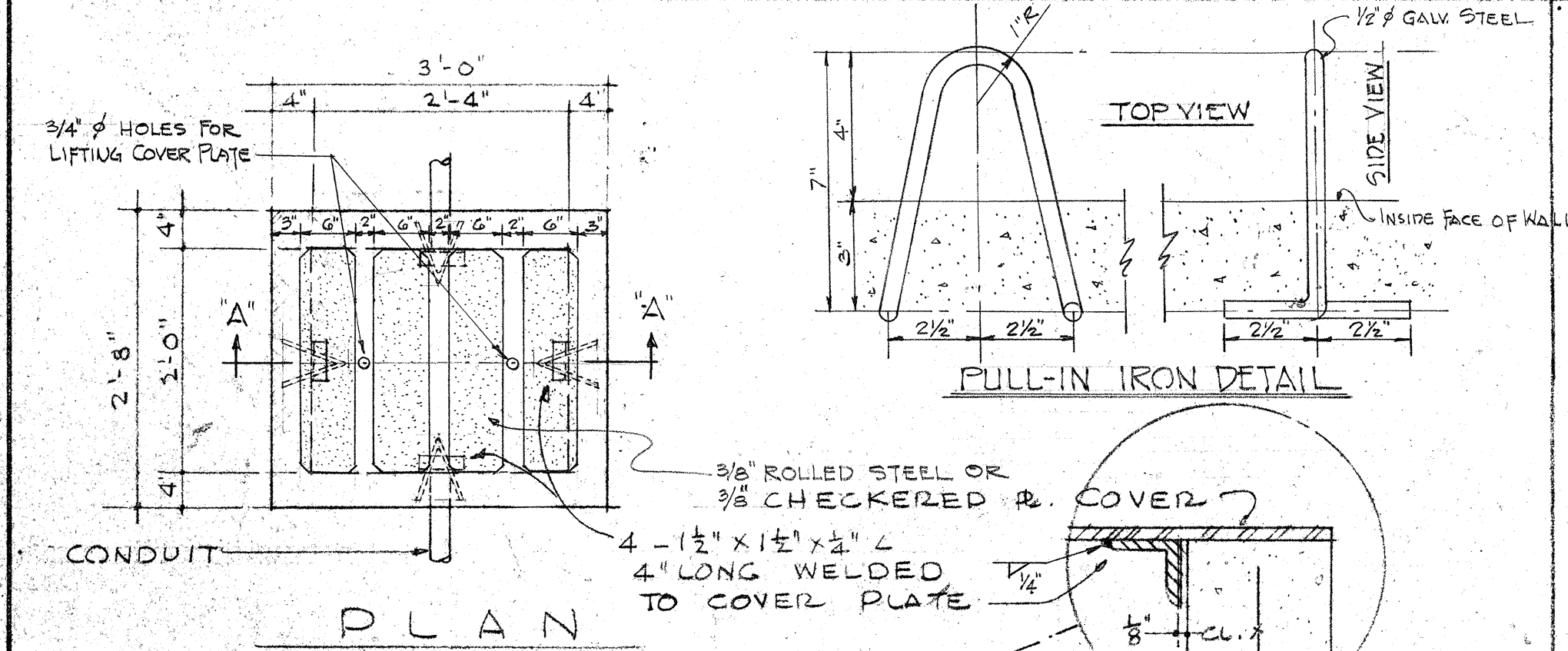
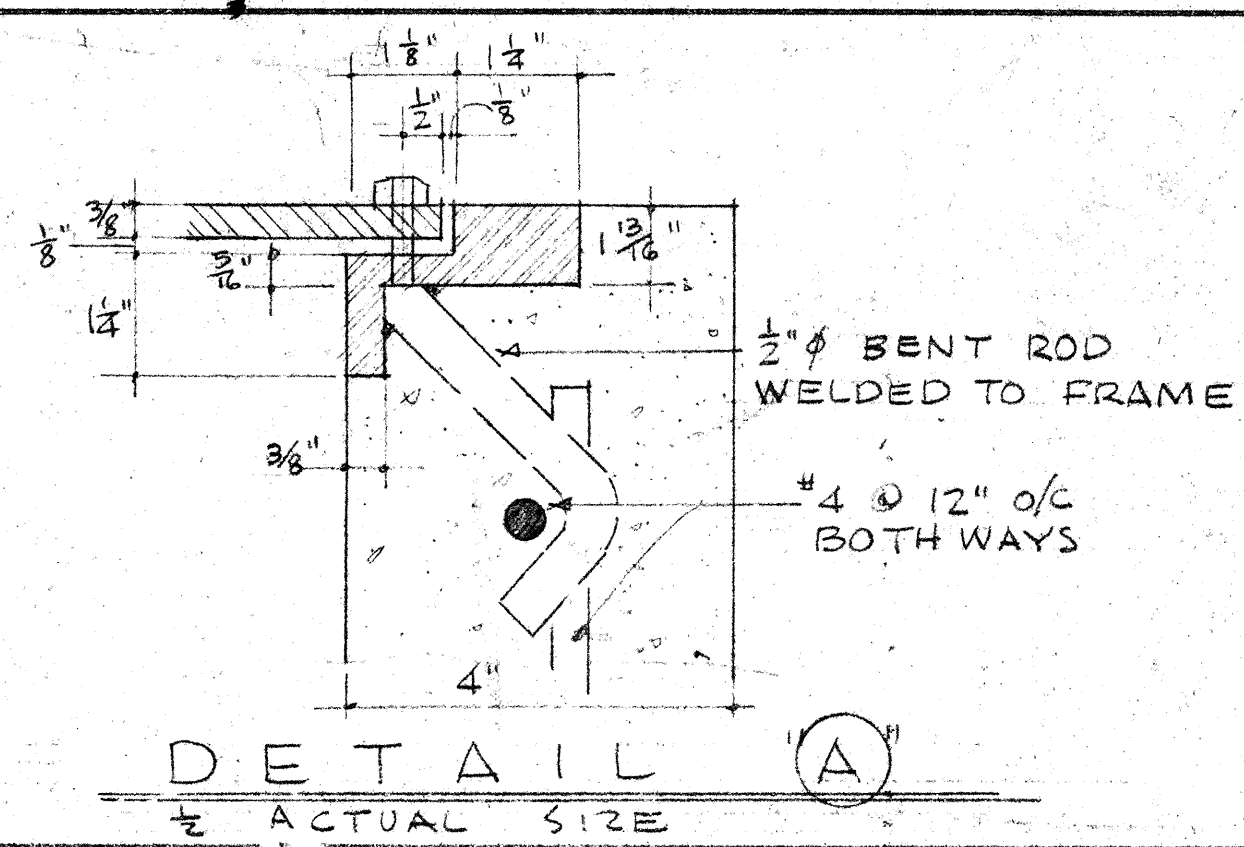
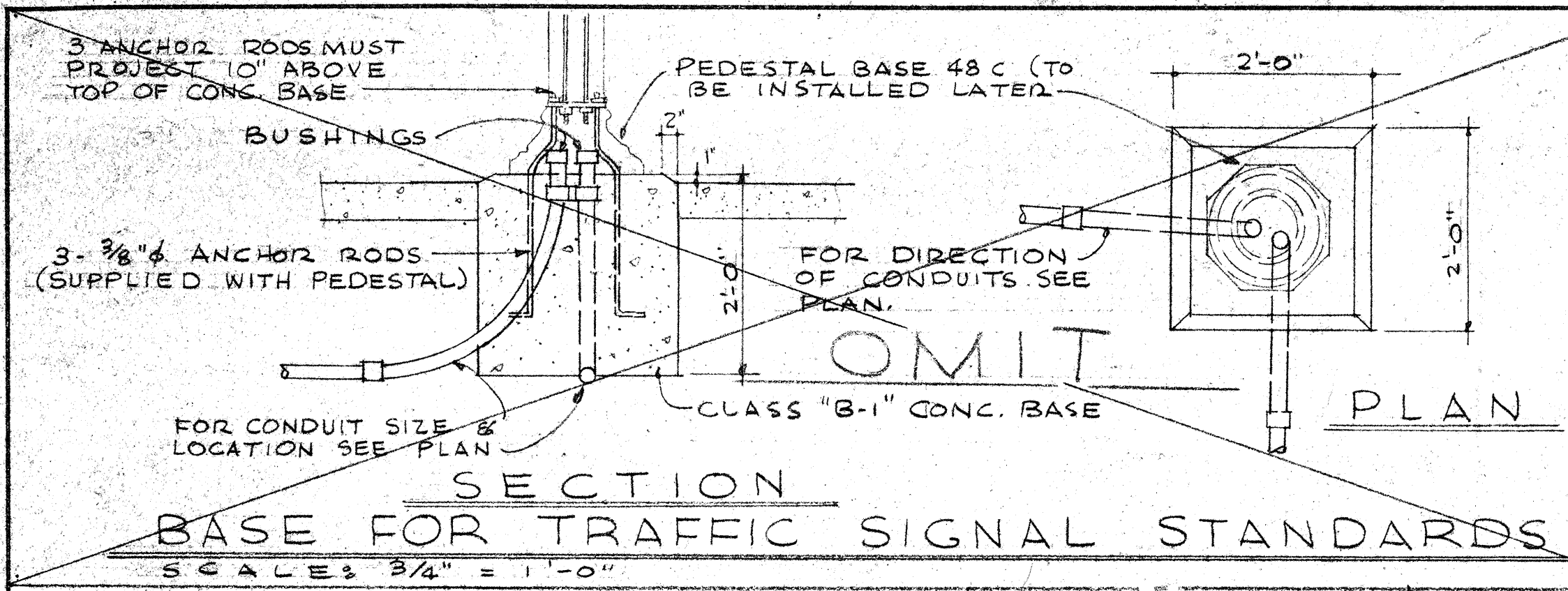
PALI HIGHWAY CIRCUIT "B"	
ST. LIGHTS	12 x 800 = 9600 WATTS
ST. LIGHTS	15 x 500 = 7500
SIGN LIGHTS	
(D-3)	2 x 420 = 840
EXISTING LOAD PROJ U-061-1(4)	= 4800
TOTAL	22,740 WATTS

JOINT POLE DETAIL (A)
TYPICAL HIGHWAY LIGHTING POLE RISER
 NOT TO SCALE

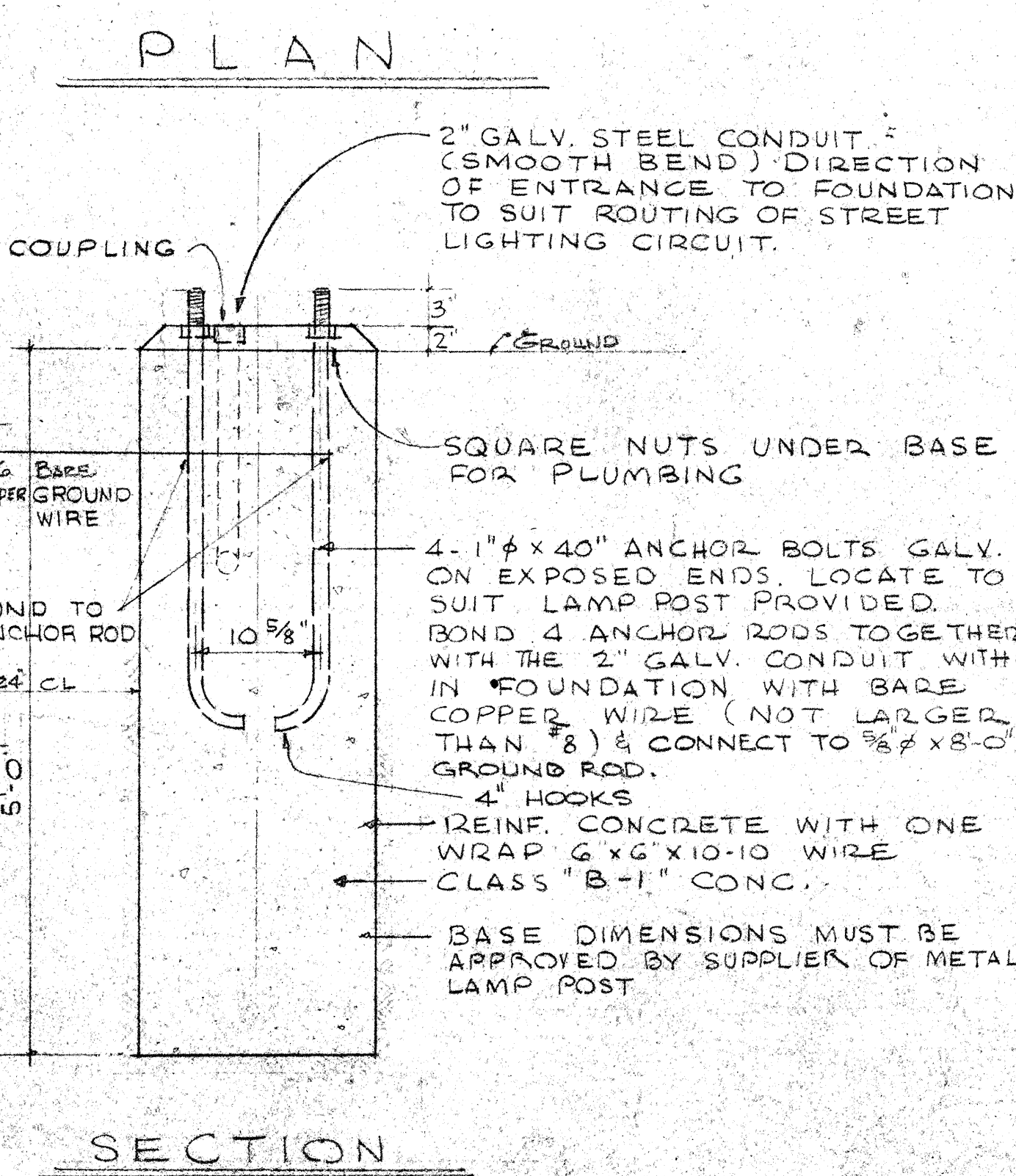
FLEXIBLE CONDUIT FITTING
 NOT TO SCALE

LAW & WILSON • TUDOR • TOWILL
 ARCHITECTS • ENGINEERS • SURVEYORS
James J. Osherson No. 664
 REGISTERED ENGINEER
 DATE 7-2-57

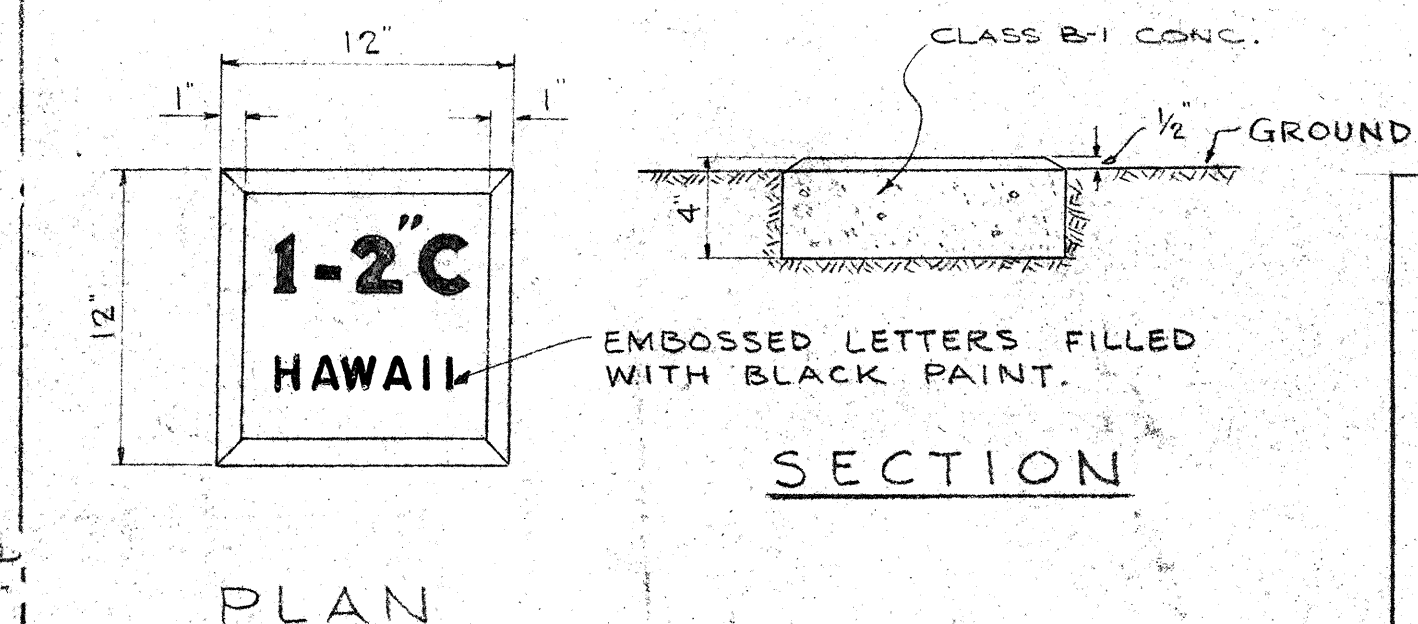
HAWAII STATE HIGHWAY DEPARTMENT
 STATE OF HAWAII
PALI HIGHWAY
 PROJECT NO. BU-061-1(7), UNIT 5
 STA. 72+00 STA. 86+00
HIGHWAY LIGHTING
 SCALE: 1" = 50' DATE: SEPT-57



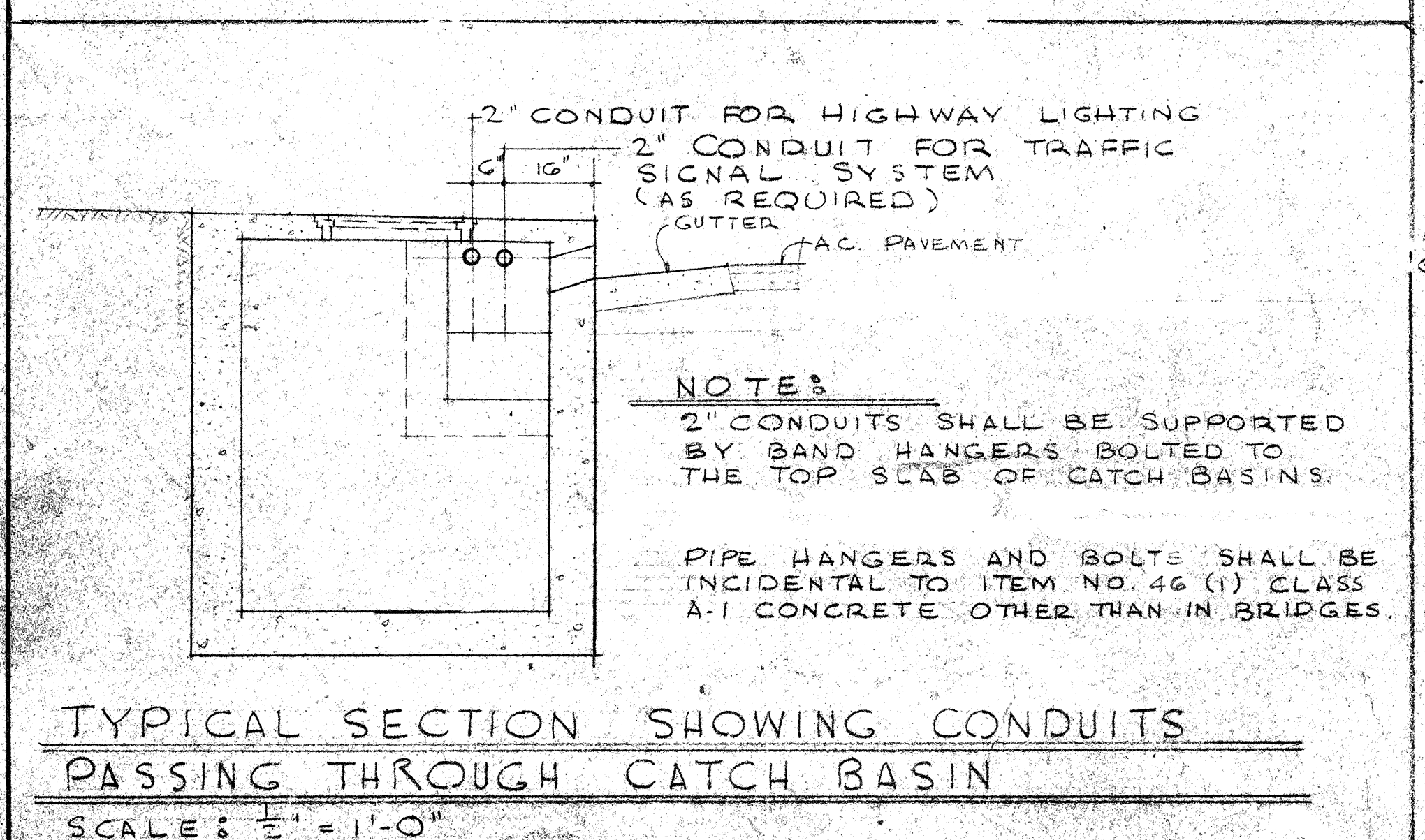
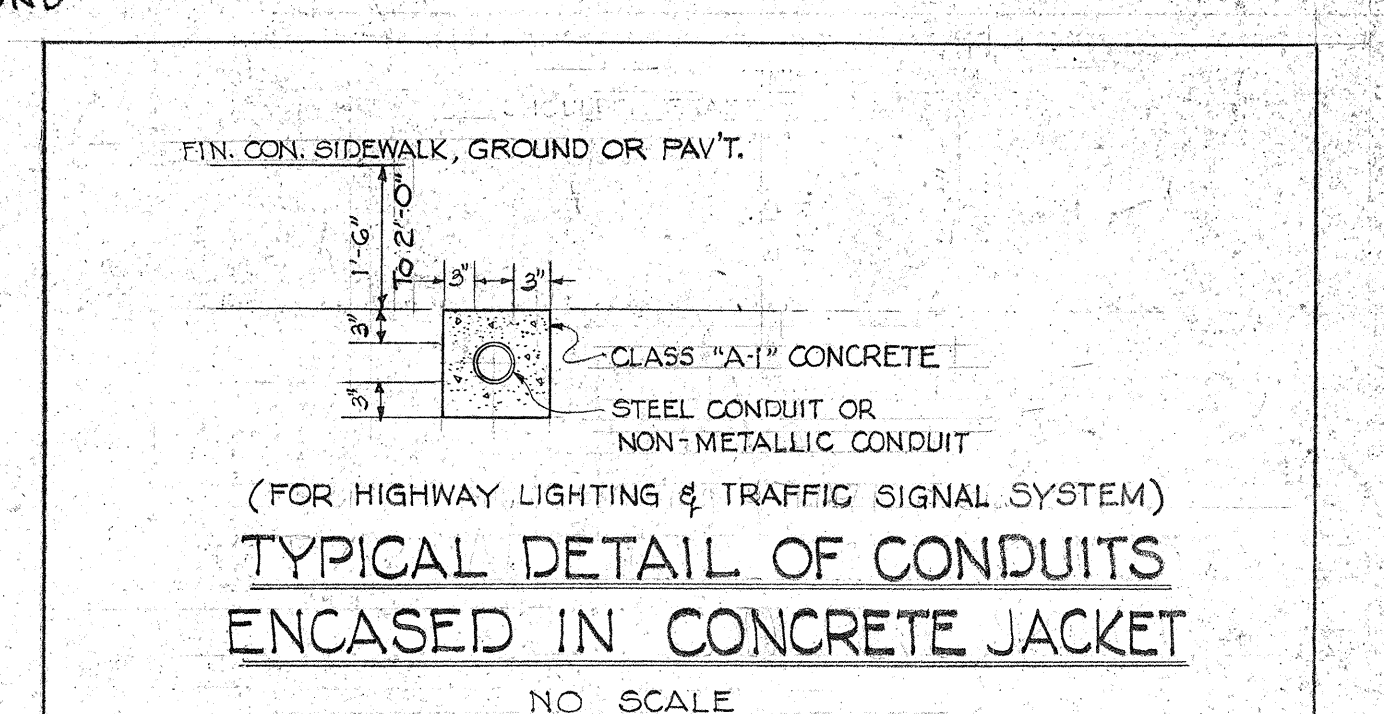
FOR ACTUAL NUMBER & LOCATION OF ENTERING CONDUITS, SEE LAYOUT PLAN. SHT. NOS. 8147.54 TO 8147.57 INCL.



NOTE: 1. PULL BOX TYPE "C" SECTION SIMILAR TO TYPE "B".
2. FOR ACTUAL NUMBER & LOCATION OF ENTERING CONDUITS SEE LAYOUT PLAN. SHT. NOS. 8147.54 TO 8147.57 INCL.



NOTE: THESE DETAILS ARE INTENDED TO SUPPLEMENT STATE STANDARDS. IF ANY CONFLICT, STATE STANDARDS WILL CONTROL.



NOTE: 2" CONDUITS SHALL BE SUPPORTED BY BAND HANGERS BOLTED TO THE TOP SLAB OF CATCH BASINS.
PIPE HANGERS AND BOLTS SHALL BE INCIDENTAL TO ITEM NO. 46 (1) CLASS A-1 CONCRETE OTHER THAN IN BRIDGES.

LAW & WILSON • TUDOR • TOWELL
ARCHITECTS • ENGINEERS • SURVEYORS
JAMES L. TOWELL
REGISTERED ENGINEER No. 664
DATE 7-2-57

HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII
PALI HIGHWAY
PROJECT NO. BU-061-1(7), UNIT 3
HIGHWAY LIGHTING
DETAILS
SEPTEMBER 1959