

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HH(78):13	1970	35	47

- NOTES:
- EXCEPT AS NOTED OTHERWISE, ALL CONDUIT IS EXISTING.
 - ALL METAL LIGHTING STANDARDS ARE EXISTING.
 - FOR ALL METAL LIGHTING STANDARDS, TAP WIRING FROM LUMINAIRE BALLAST TO THE TRANSFORMER BASE IS EXISTING.
 - NO LIGHTS ALONG RAMPS D OR WE ARE TO BE CONNECTED TO FEEDERS HEREUNDER.
 - LIGHTING FACILITIES INDICATED TO BE EXISTING ARE TO BE PROVIDED BY OTHERS UNDER PROJECT I-HH-1(77):13 WHICH MAY BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS PROJECT.

PLAN LEGEND				
SYMBOL	REPRESENTS	DETAIL NOTE	ITEM NO.	ITEM UNIT
HI-1 HI-2 2B	METAL LTG STD W/TRANSFORMER BASE & LAMP NO HI-1 & HI-2. CONNECT TO FDR 2B	1/BE	2/E, 3/E	622.700 LS
K-1 4B1	METAL LTG STD WITH ANCHOR BASE & LAMP NO K-1. CONNECT TO FDR 4B1.	1/BE	2/E, 3/E	
TC-5 4B/A 400W	METAL LTG STD WITH CONCRETE PULL BOX	2/E		
	WOOD POLE WITH 400WATT LAMP, NO TC-5	6/BE		
	CONDUIT RUN IN CONCRETE STRUCTURE OR ENCASED IN CONCRETE	1/E		
	CONDUIT RUN IN EARTH WITHOUT CONCRETE ENCASEMENT	1/E		
OH	OVERHEAD CONDUCTORS FOR LIGHTING	4/SE		
OH(TS)	OVERHEAD CONDUCTORS FOR TRAFFIC SIGNALS	1/BE 2/BE	623.10 645.01	LS
OA	WOOD POLE W/IDENTIFYING LETTER	4/SE 6/4	623.10 645.01	LS
TS-10	MAST ARM MOUNTED TRAFFIC SIGNAL WITH IDENTIFYING NUMBER	6/4	623.10	
TS-1	POLE MOUNTED TRAFFIC SIGNAL WITH IDENTIFYING NUMBER	6/4	623.10 645.01	
TS-	WIRE SUSPENDED TRAFFIC SIGNAL WITH IDENTIFYING NUMBER	6/4	623.10	
TS	CONDUIT FOR TRAFFIC SIGNAL SYSTEM	3/SE 6/4	645.01	
	PULL BOX TYPE B FOR TRAFFIC SIGNAL SYSTEM	5/SE 6/4		
VD	VEHICLE DETECTOR	2/SE 6/4		
(E)	USED IN CONJUNCTION WITH OTHER SYMBOLS TO INDICATE EXISTING CONSTRUCTION			

ELECTRICAL SHEET 1 E

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SYMBOLS & NOTES
AND
LIGHTING PLAN-PART I
HALAWA INTERCHANGE
PROJECT NO. I-HH-1(78):13

SCALE: 1"=50' DATE: APR. 9, 1970

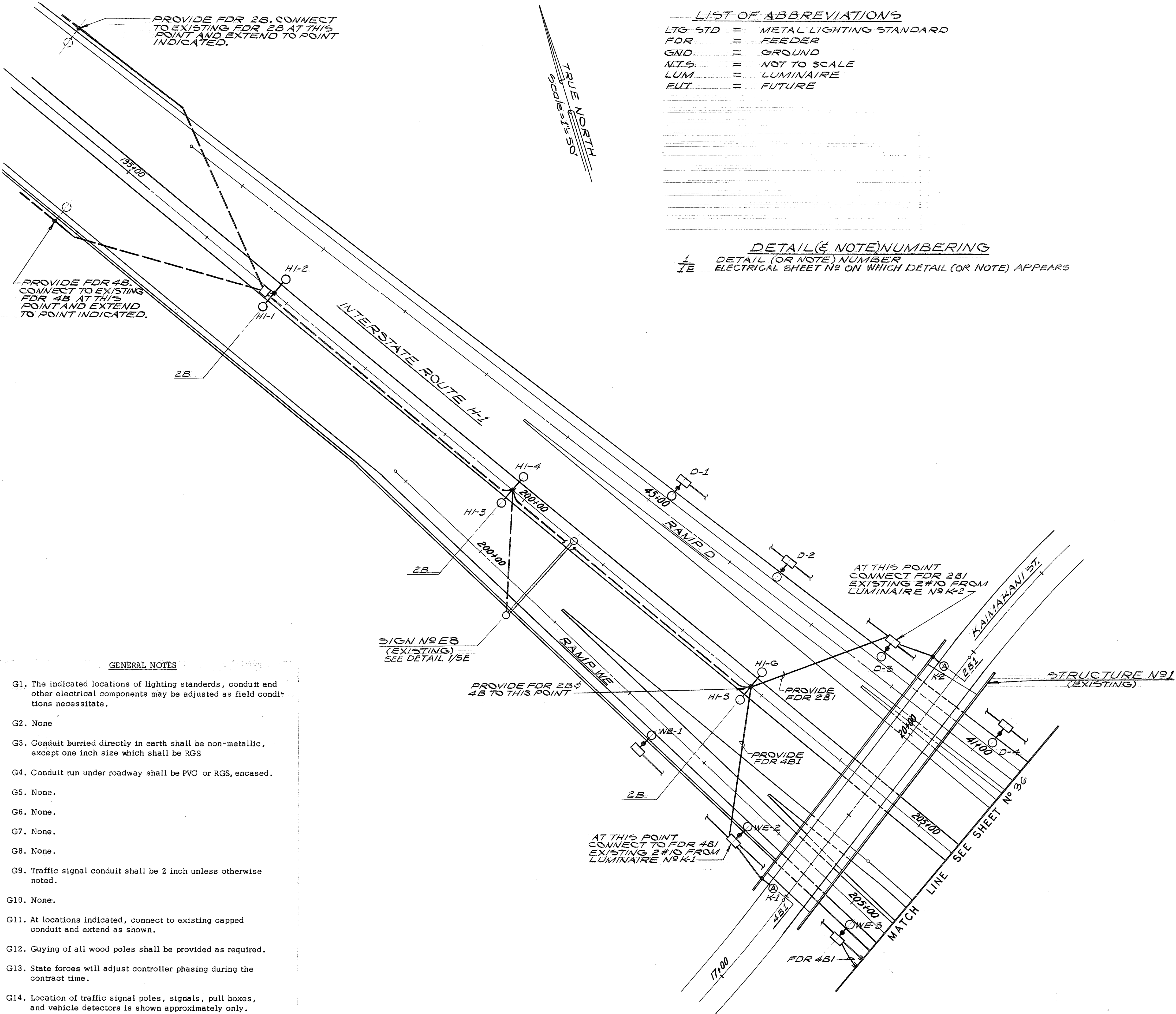
SHEET No. 1 OF 2 SHEETS

LIST OF ABBREVIATIONS

LTG STD = METAL LIGHTING STANDARD
FDR = FEEDER
GND. = GROUND
N.T.S. = NOT TO SCALE
LUM = LUMINAIRE
FUT = FUTURE

DETAIL(S) NOTE) NUMBERING

1/ DETAIL (OR NOTE) NUMBER
1/E ELECTRICAL SHEET NO ON WHICH DETAIL (OR NOTE) APPEARS



GENERAL NOTES

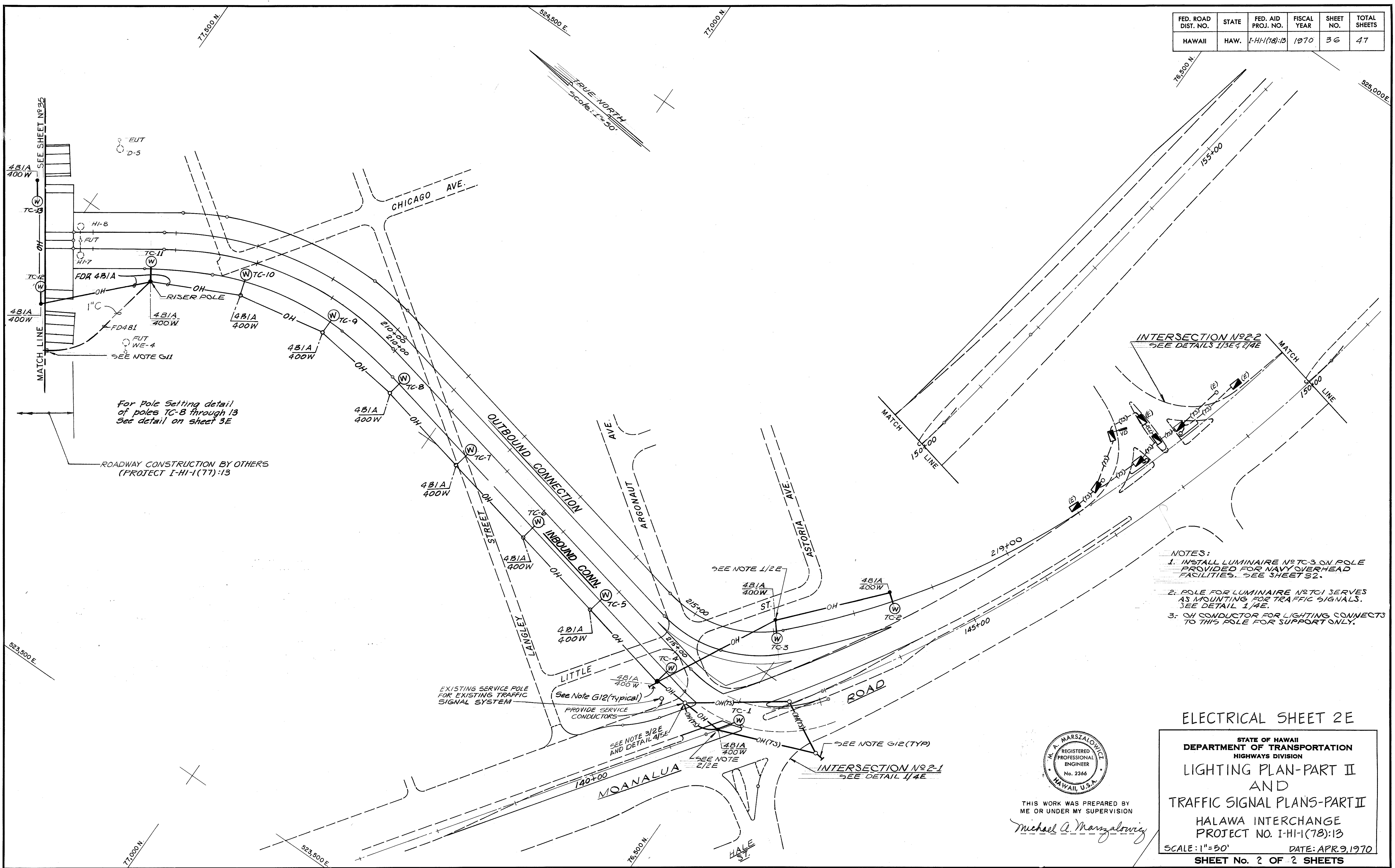
- The indicated locations of lighting standards, conduit and other electrical components may be adjusted as field conditions necessitate.
- None.
- Conduit buried directly in earth shall be non-metallic, except one inch size which shall be RGS.
- Conduit run under roadway shall be PVC or RGS, encased.
- None.
- None.
- None.
- None.
- Traffic signal conduit shall be 2 inch unless otherwise noted.
- None.
- At locations indicated, connect to existing capped conduit and extend as shown.
- Guying of all wood poles shall be provided as required.
- State forces will adjust controller phasing during the contract time.
- Location of traffic signal poles, signals, pull boxes, and vehicle detectors is shown approximately only. Exact locations will be determined in the field by the Engineer.



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

Michael A. Marszalowicz

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(78):13	1970	36	47



For Pole Setting detail of poles TC-8 through 13 See detail on sheet 3E

ROADWAY CONSTRUCTION BY OTHERS (PROJECT I-HI-1(77):13

- NOTES:
1. INSTALL LUMINAIRE NO TC-3 ON POLE PROVIDED FOR NAVY OVERHEAD FACILITIES. SEE SHEET 32.
 2. POLE FOR LUMINAIRE NO TC-1 SERVES AS MOUNTING FOR TRAFFIC SIGNALS. SEE DETAIL 1/4E.
 3. OH CONDUCTOR FOR LIGHTING CONNECTS TO THIS POLE FOR SUPPORT ONLY.

ELECTRICAL SHEET 2E

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLAN-PART II
AND
TRAFFIC SIGNAL PLANS-PART II
HALAWA INTERCHANGE
PROJECT NO. I-HI-1(78):13
SCALE: 1"=50'
DATE: APR. 9, 1970
SHEET No. 2 OF 2 SHEETS



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Michael A. Marszalowicz

DESIGNED BY	
DRAWN BY	
CHECKED BY	
IN CHARGE	
DATE	