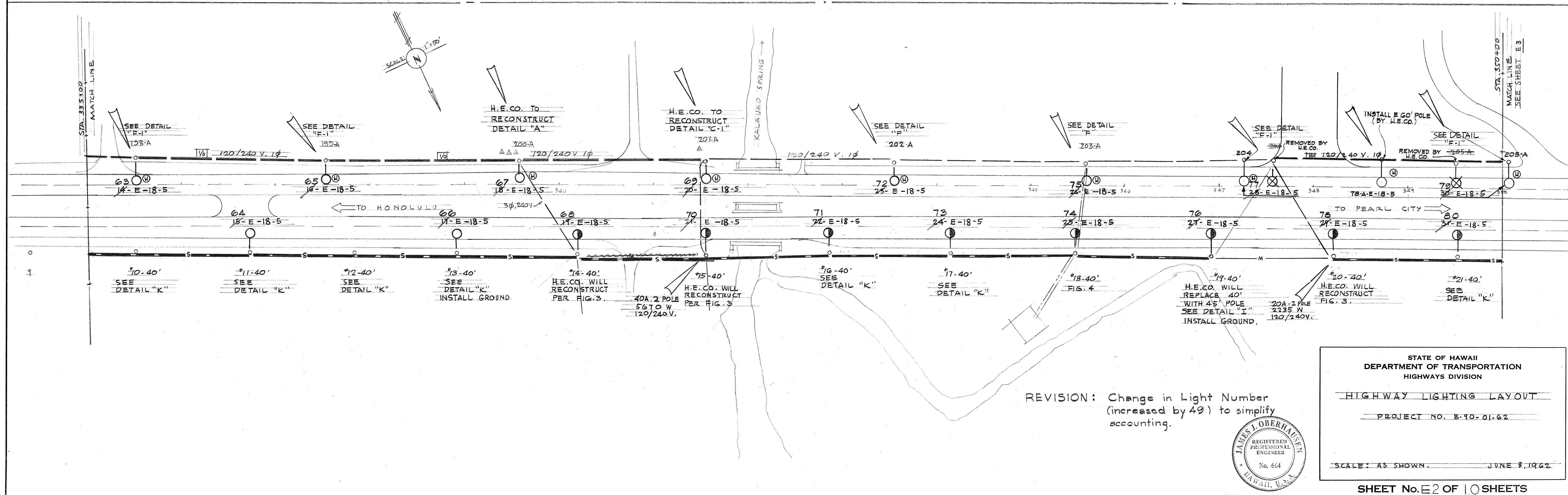
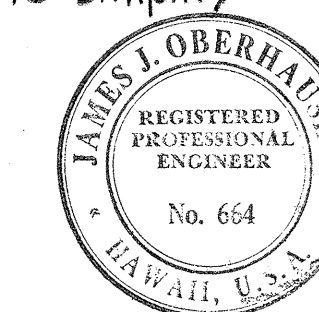


ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
NOTE BOOK	TRACED BY	"
	DESIGNED BY	"
	QUANTITIES BY	"
	CHECKED BY	"
No.		



REVISION: Change in Light Number (increased by 49) to simplify accounting.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

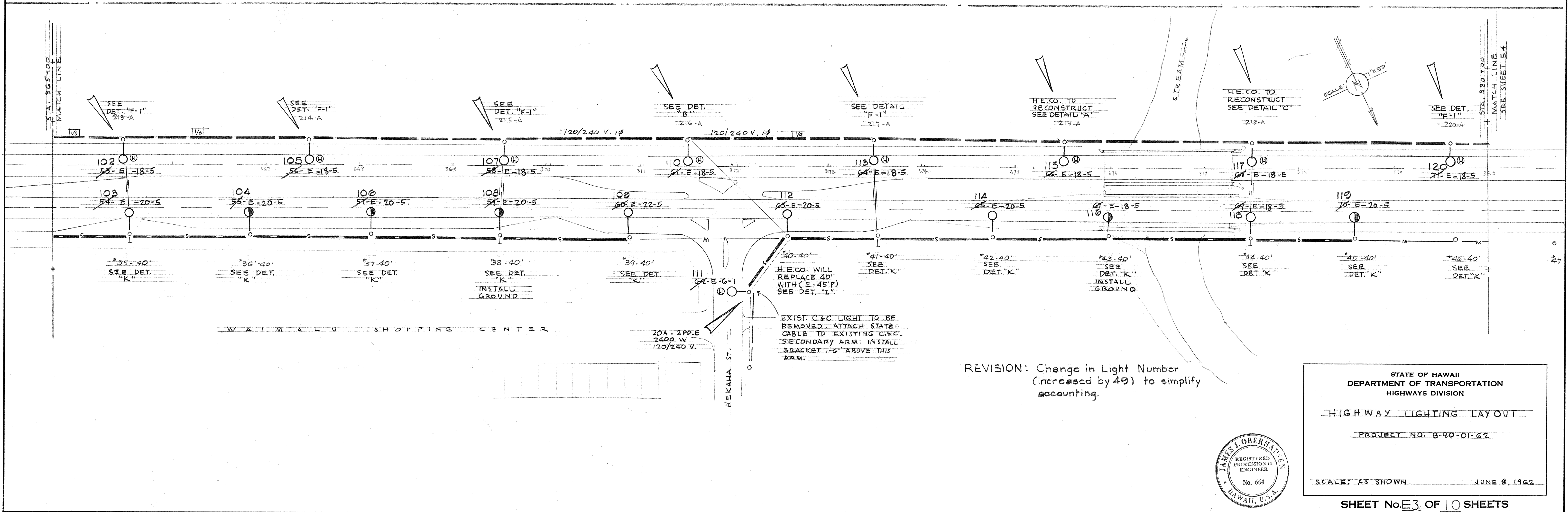
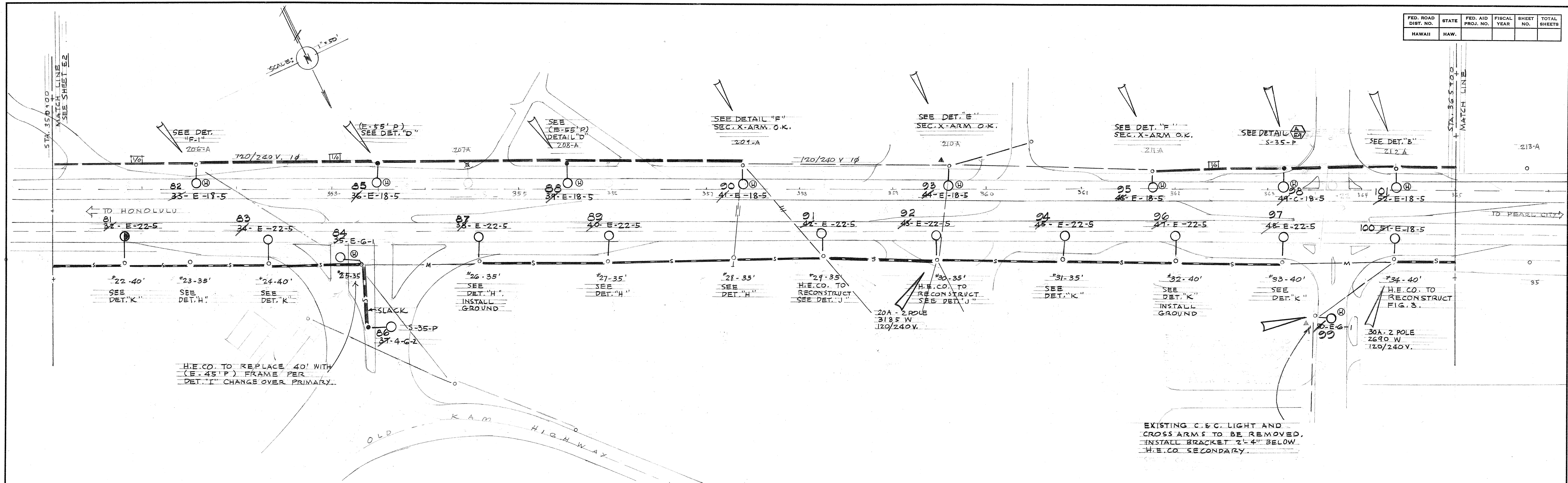
HIGHWAY LIGHTING LAYOUT

PROJECT NO. B-90-01-62

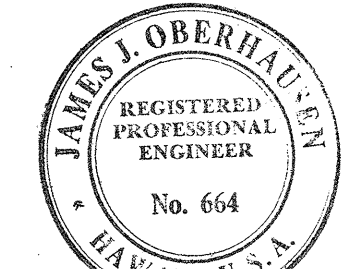
SCALE: AS SHOWN. JUNE 8, 1962

SHEET No. E2 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				



REVISION: Change in Light Number (increased by 49) to simplify accounting.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING LAYOUT

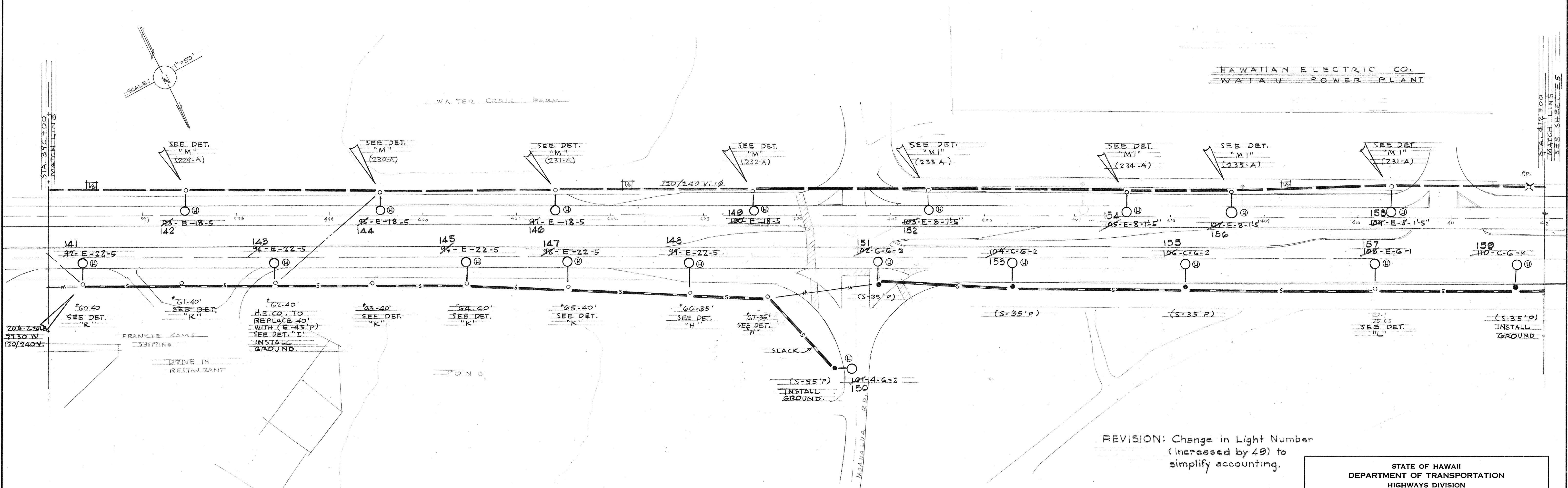
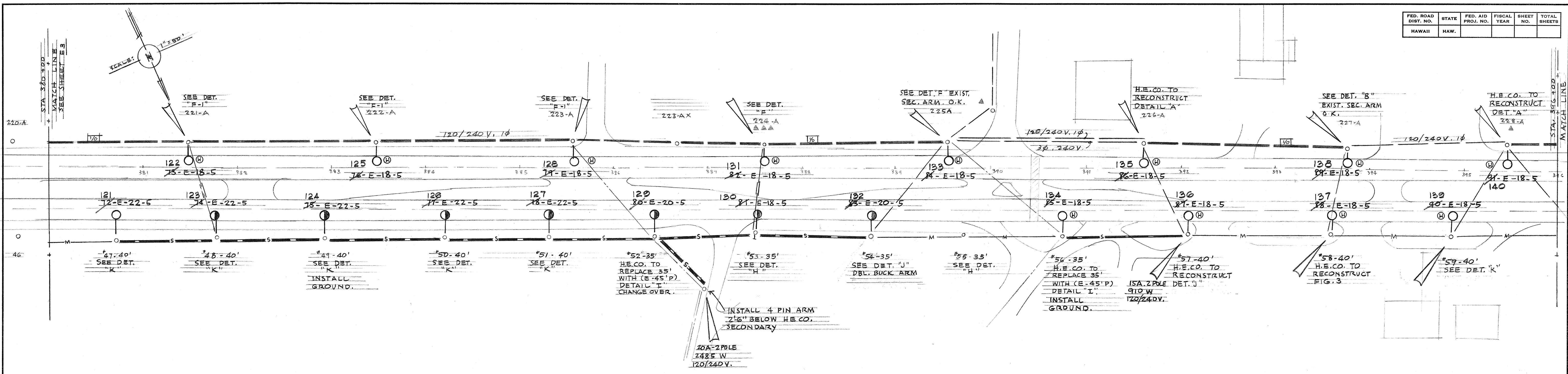
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SCALE: AS SHOWN JUNE 8, 1962

SHEET No. E3 OF 10 SHEETS

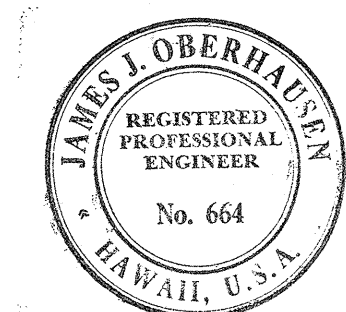
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SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				



REVISION: Change in Light Number (increased by 49) to simplify accounting.

DATE	_____
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DRAWN BY	_____
TRACED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NO.	_____



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING LAYOUT

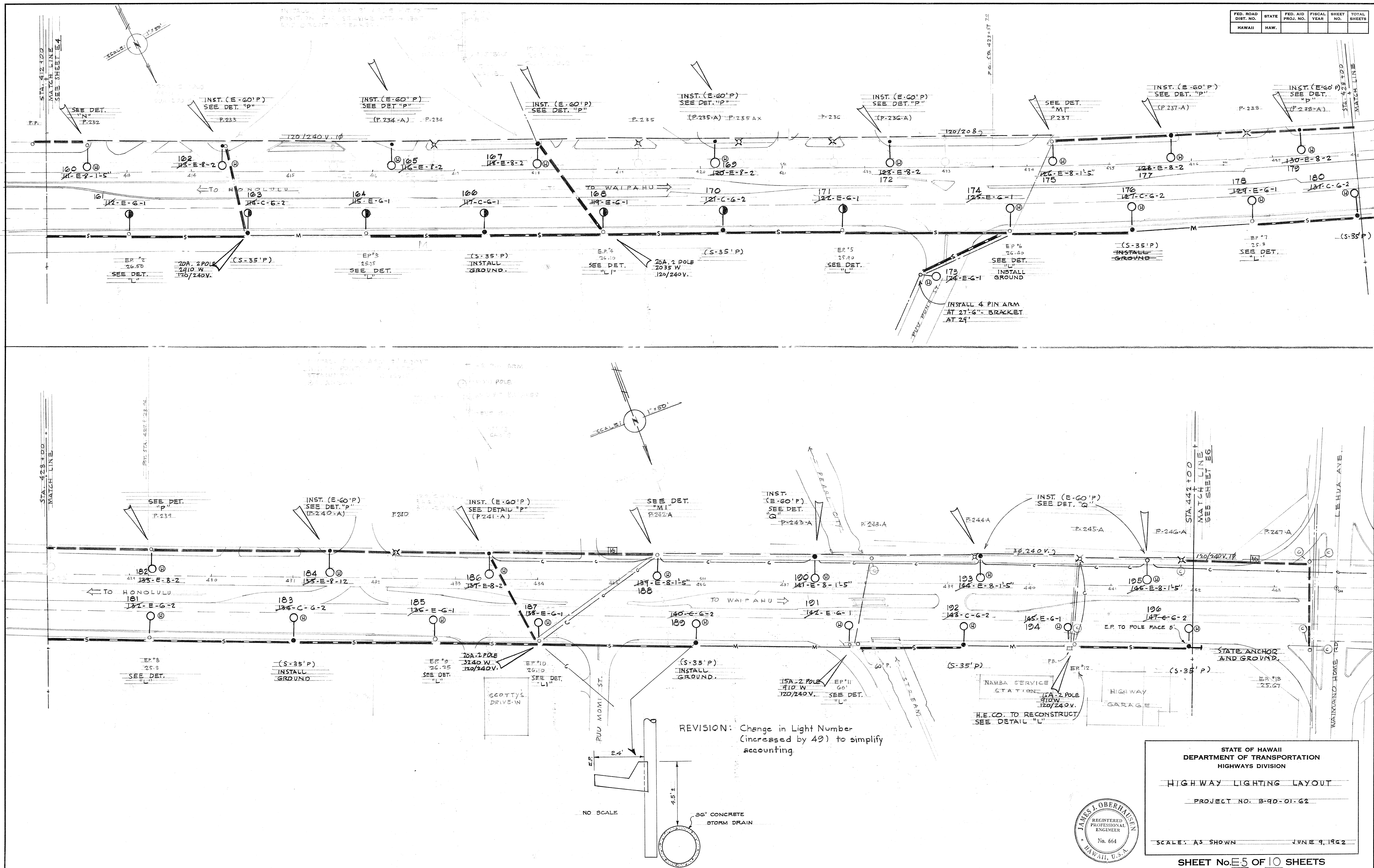
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SCALE: AS SHOWN

JUNE 8, 1962

SHEET No. 4 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				

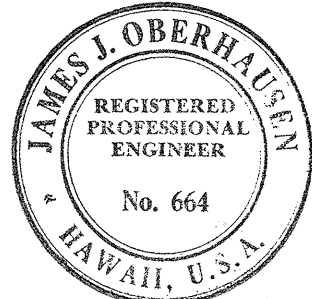
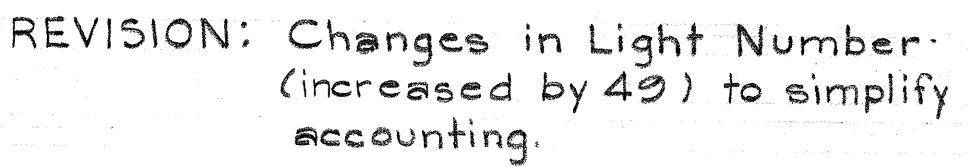


DATE	
SURVEY PLOTTED BY	
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
HIGHWAY LIGHTING LAYOUT
 PROJECT NO. B-90-01-62
 SCALE: AS SHOWN JUNE 9, 1962
 SHEET No. 5 OF 10 SHEETS

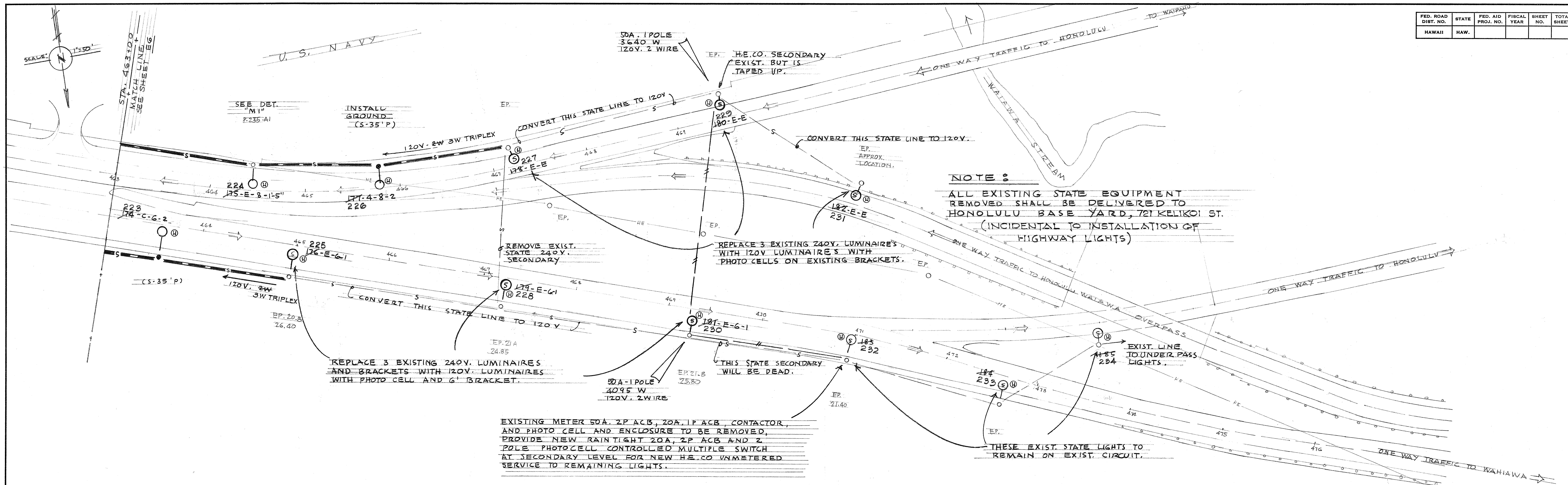


ORIGINAL PLAN	SURVEY PLOTTED BY.....	DATE.....
	DRAWN BY.....	
NOTE BOOK	TRACED BY.....	
	DESIGNED BY.....	
	QUANTITIES BY.....	
	CHECKED BY.....	
No.		



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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				



STREET LIGHTING SYMBOLS & NOTES

○	EXISTING UTILITY POLE.	—C—	TWO CONDUCTOR STREET LIGHTING CIRCUIT (CITY & COUNTY).
⊙	EXISTING STATE STREET LIGHT.	▲ 15	EXISTING TRANSFORMER. (NUMBER 15 INDICATES KVA CAPACITY)
⊖	EXISTING CITY STREET LIGHT. TO BE REMOVED BY CITY & COUNTY.	⊗	EXISTING POLE TO BE REMOVED BY H.E.CO.
●	NEW POLE TO BE SET BY STATE (CONTRACTOR). SIZE OF POLE INDICATED BY NO. (S-35'P)	—1/4—	2-1/4" #10 NIAC SPUN ON #3/8 AAAC MESSENGER.
○	NEW STREET LIGHTING - LUMINAIRE ON BRACKET.	—C—	EXISTING H.E.CO. SECONDARY, SLANTED LINES INDICATES NUMBER OF CONDUCTORS. NUMERAL INDICATES WIRE SIZE.
○	NEW 455 WATT STATE LUMINAIRE.	—C—	PROPOSED H.E.CO. SECONDARY.
○	NEW 240 WATT STATE LUMINAIRE.	—C—	EXISTING H.E.CO. 12 KV. LINES.
—	NEW STATE ANCHOR.	●	NEW POLE TO BE SET BY H.E.CO. SIZE OF POLE INDICATED BY NO. (E 35'P)
—S—	NEW STATE SECONDARY CABLE, INSULATED TRIPLEX.	—S—	EXISTING STATE 240V. 2WIRE SECONDARY.
▲	POINT AT WHICH STATE CONNECTS TO H.E.CO. SERVICE THROUGH CIRCUIT BREAKER.	⊙	HIGH BEAM AS RECOMMENDED BY MANUFACTURER
—M—	NEW STATE MESSENGER ONLY. (#4 7 STRAND ALUMINUM)		

SOME ARE ACCOMPANIED BY RATING OF CIRCUIT BREAKER, NUMBER OF POLES, CONNECTED LOAD, AND SERVICE VOLTAGE.

WHERE IS ALONE, IT INDICATES 15 AMP. 1 POLE CIRCUIT BREAKER - CONNECTED LOAD IS 455 WATTS - AND SERVICE VOLTAGE IS 120 V. 2 WIRE.

EACH LUMINAIRE AND BRACKET SYMBOL IS ACCOMPANIED BY LETTERS OR NUMERALS IN 4 POSITIONS.

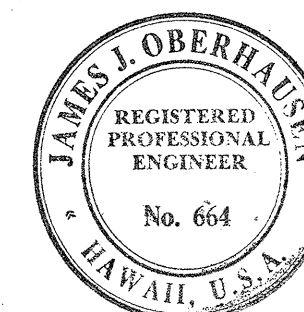
1ST. - 2ND. - 3RD. - 4TH.
1ST. POSITION - NUMERAL INDICATES LIGHT NUMBER.
2ND. POSITION - E INDICATES CONTRACTOR WILL FIND POLE IN PLACE.
- 8 " SHALL SET POLE 8' BEHIND TRAVELED EDGE.
- C INDICATES CONTRACTOR SHALL SET POLE BEHIND CURB.

3RD. POSITION - NUMERAL INDICATES BRACKET LENGTH.
- E INDICATES EXISTING BRACKET.

4TH. POSITION - NUMERAL INDICATES BRACKET RISE.

REVISION: Change in Light Number (increased by 49) to simplify accounting.

ORIGINAL PLAN	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
No.	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING LAYOUT
AND LEGEND

PROJECT NO. B-90-01-62

SCALE: AS SHOWN JUNE 8, 1962

SHEET No. 7 OF 10 SHEETS