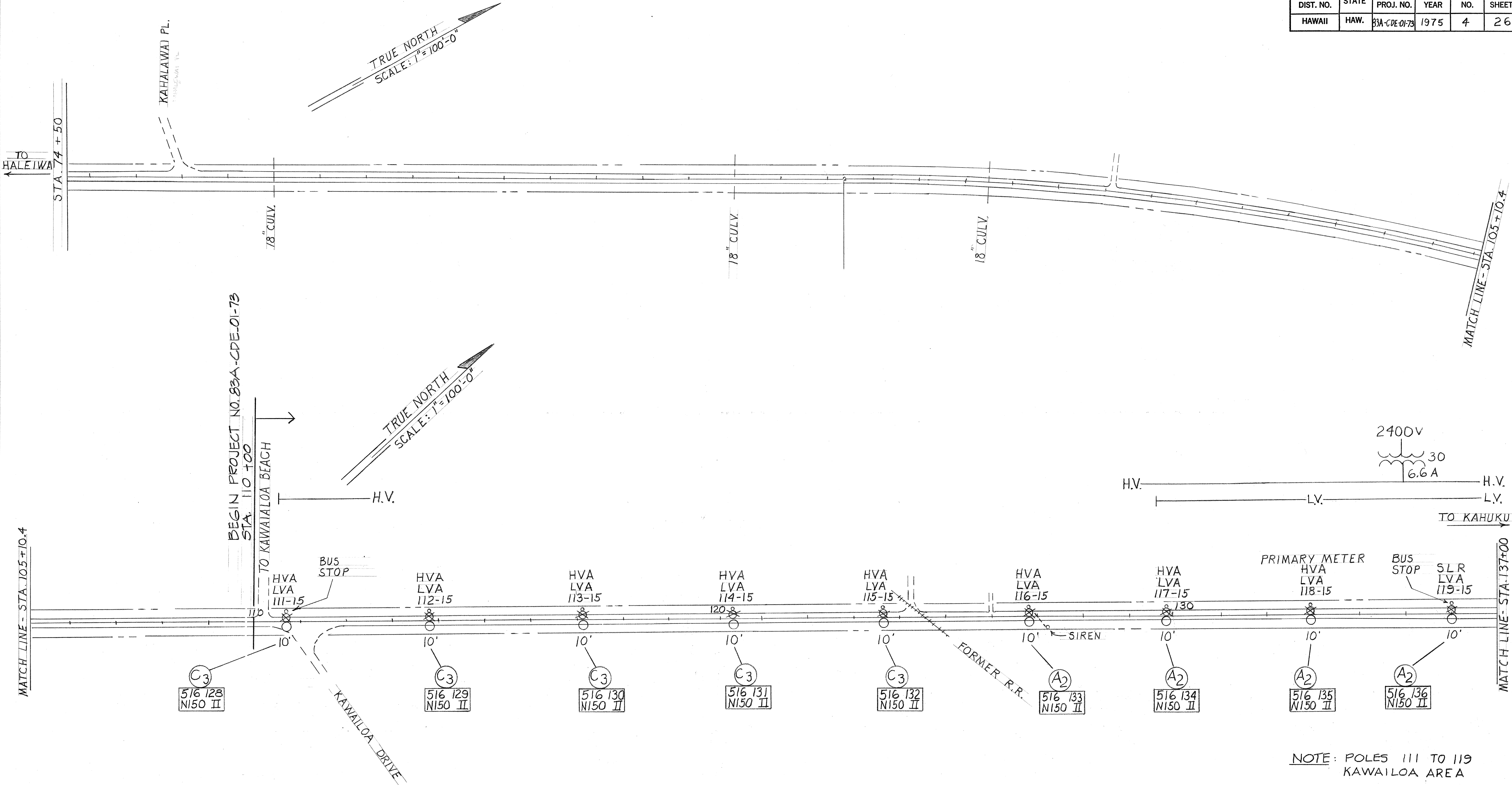
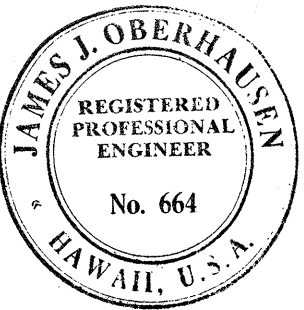


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-01-73	1975	4	26



NOTE: POLES 111 TO 119
KAWAILOA AREA



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James I. Oberhausen
James I. Oberhausen

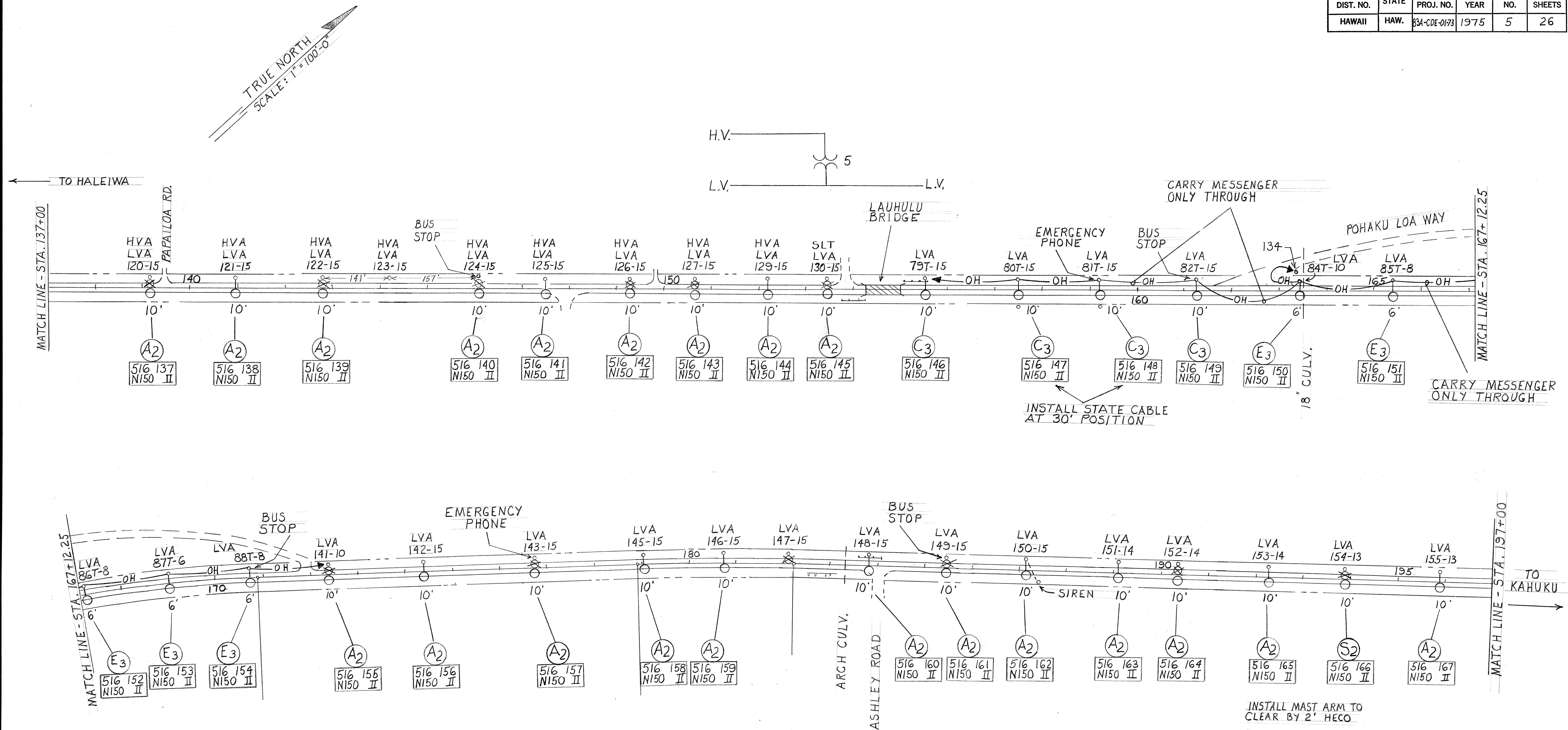
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 110+00 TO 137+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO 83A-CDE-01-73
SCALE: 1" = 100'-0" DATED: 7-21-75

SHEET NO. 1 OF 23 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-01-73	1975	5	26



NOTE: POLES 120 TO 155
KAWAILOA AREA



This work was prepared by me or under my supervision.
James J. Oberhausen
James J. Oberhausen

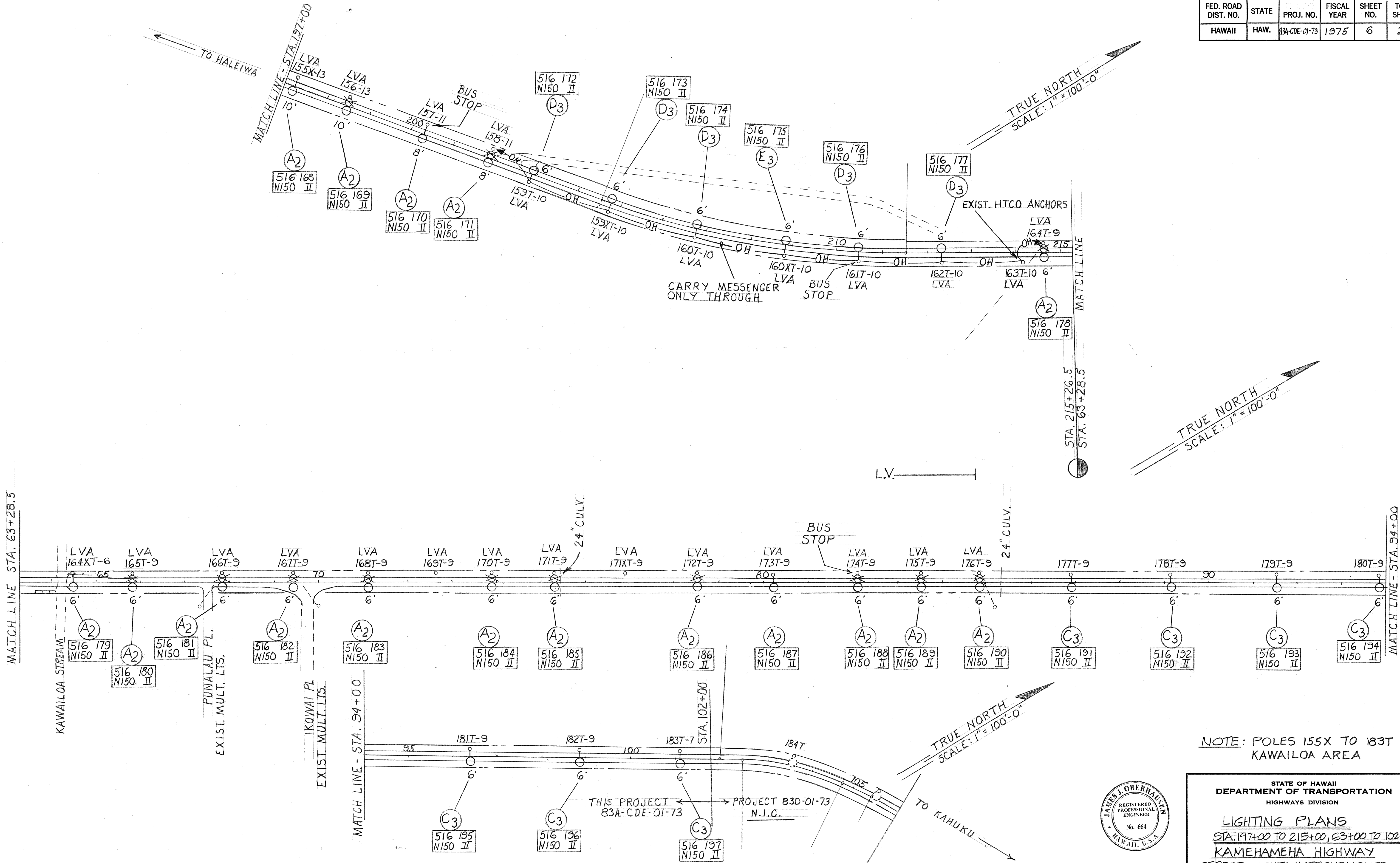
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 137+00 TO 197+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO 83A-CDE-01-73
SCALE: 1"=100'-0" DATED: 7-21-75

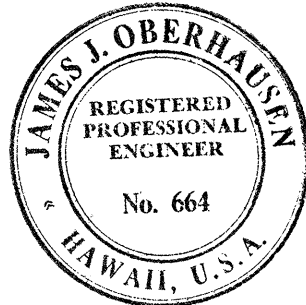
SHEET No. 2 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-01-73	1975	6	26

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



NOTE: POLES 155X TO 183T
KAWAIHOA AREA



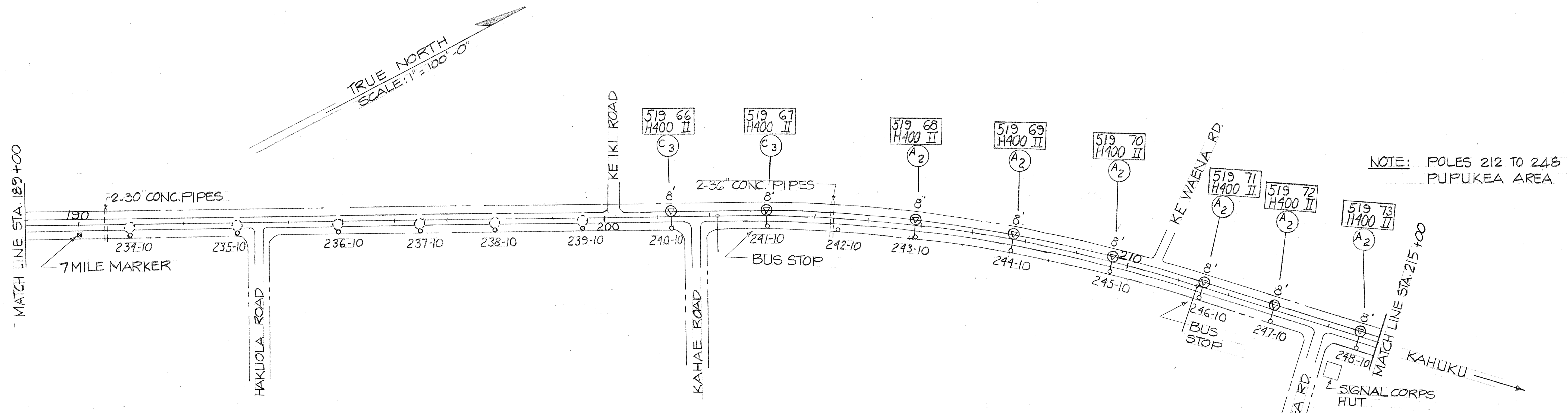
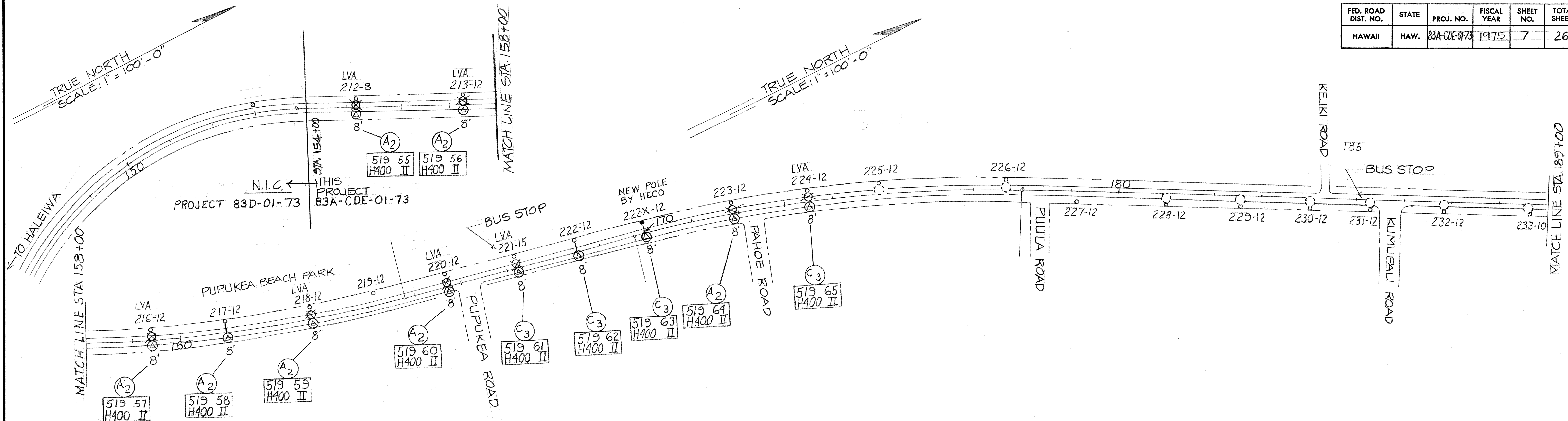
This work was prepared by me or under
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James J. Oberhausen
John L. Oberhausen

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 197+00 TO 215+00, 63+00 TO 102+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO 83A-CDE-01-73
SCALE: 1" = 100'-0" DATED: 7-21-75

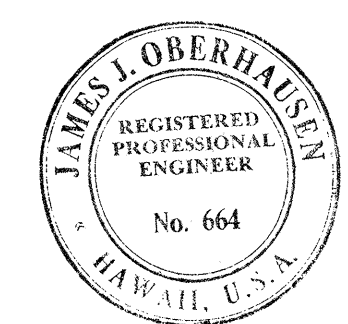
SHEET No. 3 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-01-73	1975	7	26



NOTE: POLES 212 TO 248 PUPUKEYA AREA

DATE	_____
DESIGNED BY	_____
DRAWN BY	_____
CHECKED BY	_____
APPROVED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

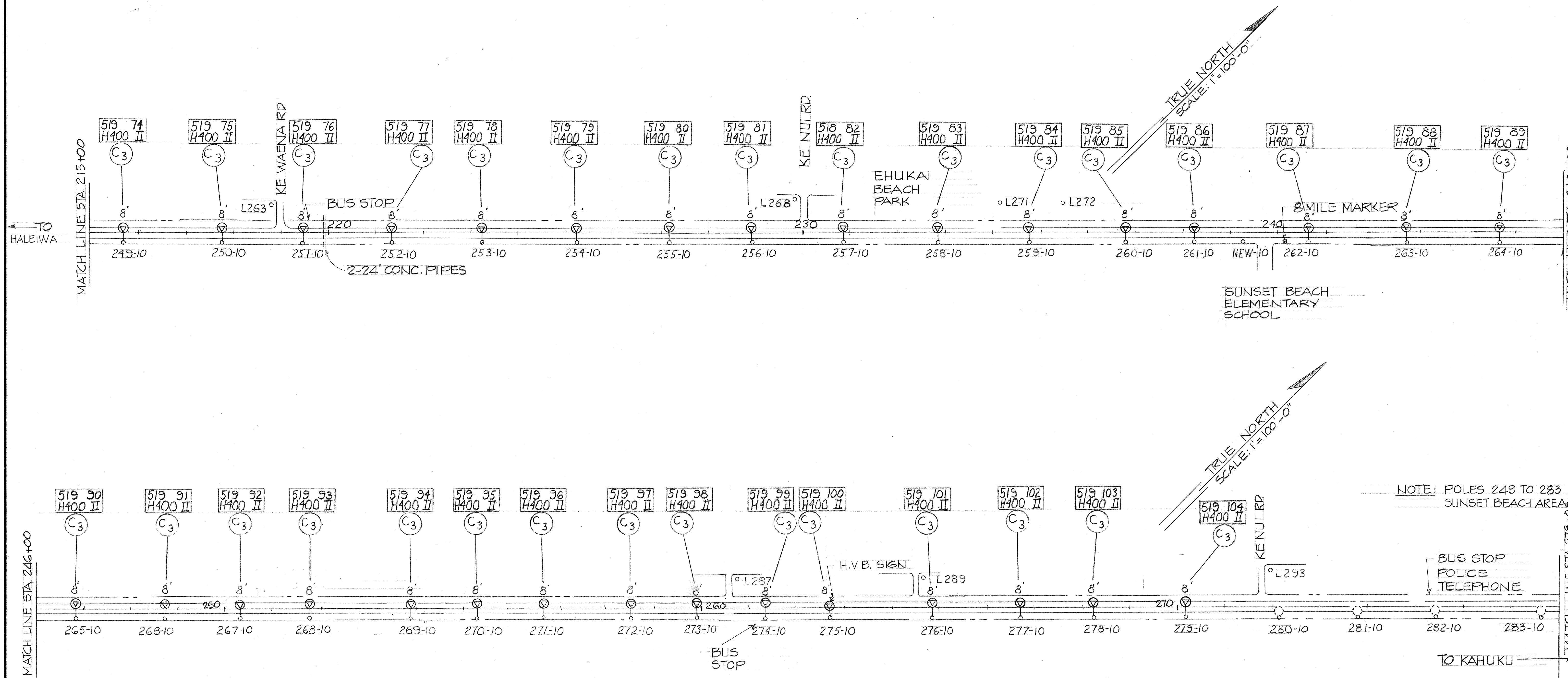


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James J. Oberhausen

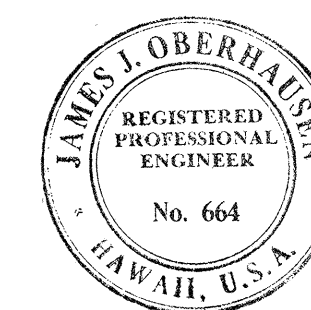
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 158+00 TO 215+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 83A-CDE-01-73
SCALE: 1" = 100'-0" DATE: 7-21-75
SHEET No. 4 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-01-73	1975	8	26



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
NO.	



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James J. Oberhausen

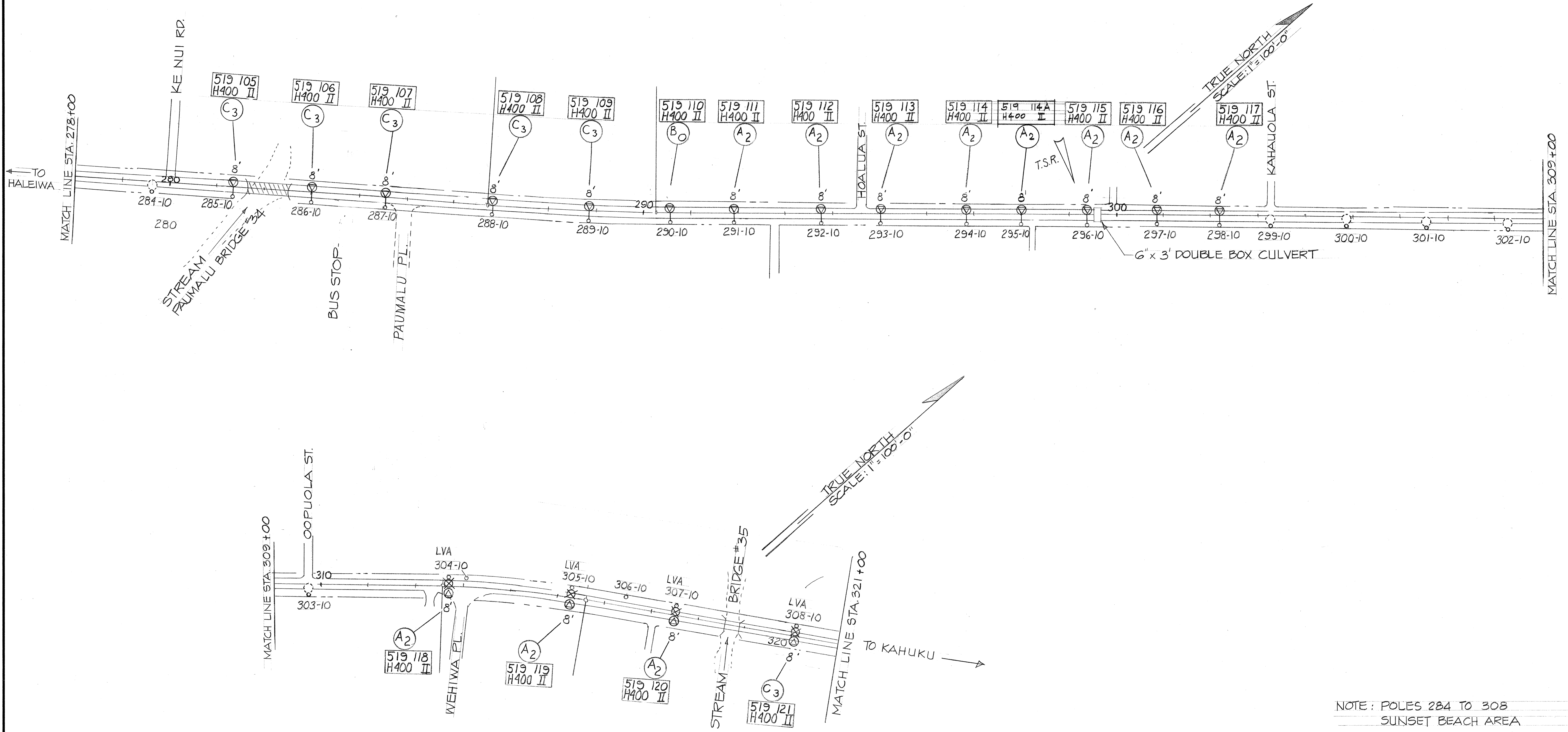
James J. Oberhausen

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 215+00 TO 278+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 83A-CDE-01-73
SCALE: 1"=100'-0" DATE: 7-21-75

SHEET No. 5 OF 23 SHEETS

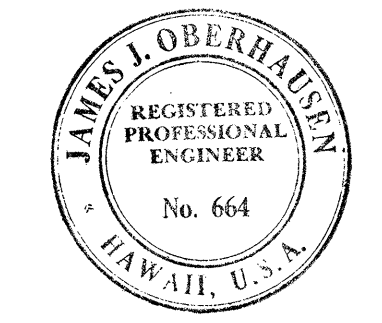
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	33A-CDE-01-73	1975	9	26



DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NO.	_____

NOTE: POLES 284 TO 308
SUNSET BEACH AREA

9-24-76	ADD LIGHT No. 114A
DATE	REVISION



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James J. Oberhausen

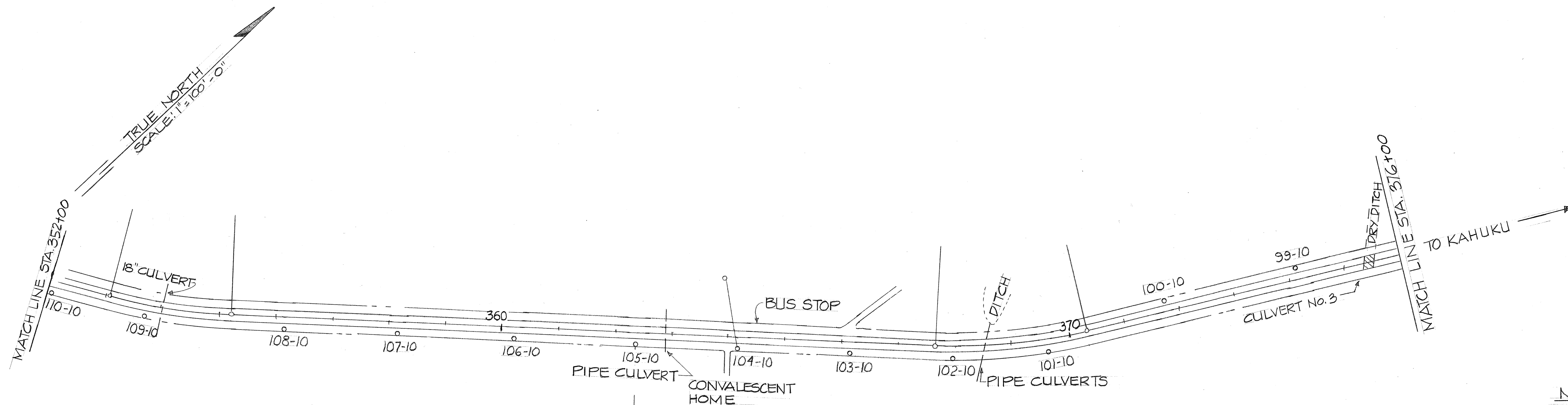
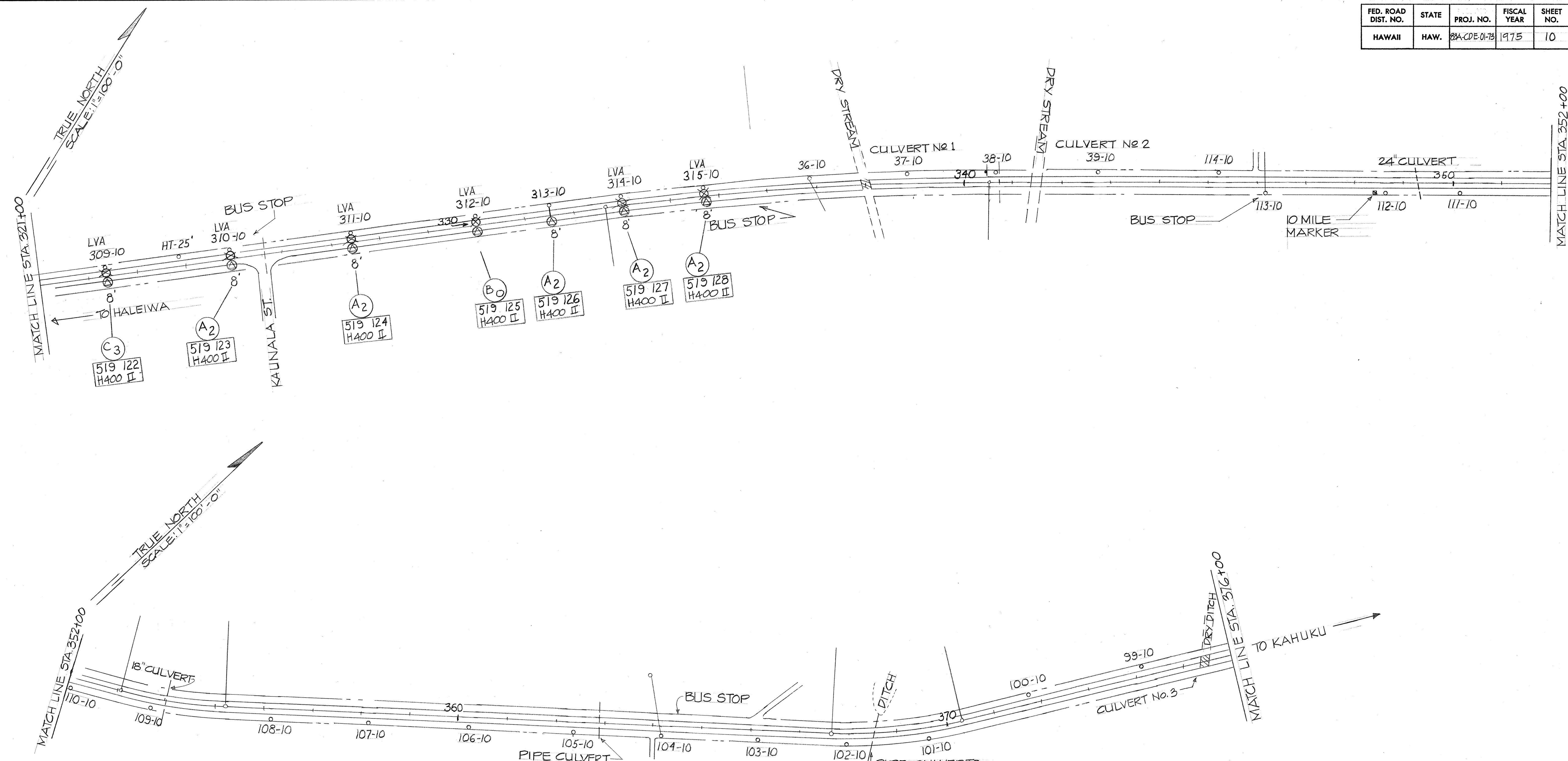
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 278+00 TO 321+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 33A-CDE-01-73
SCALE: 1"=100'-0" DATE: 7-21-75

SHEET No. 6 OF 23 SHEETS

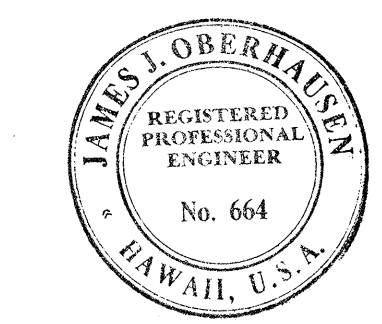
C.O. 9

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-01-73	1975	10	26



NOTES: POLES 309 TO 314
 35 TO 114
 114 TO 99
 WAILEE AREA

DATE	_____
DESIGNED BY	_____
DRAWN BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

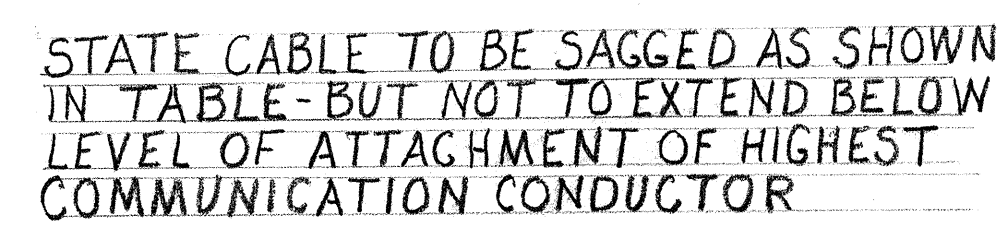


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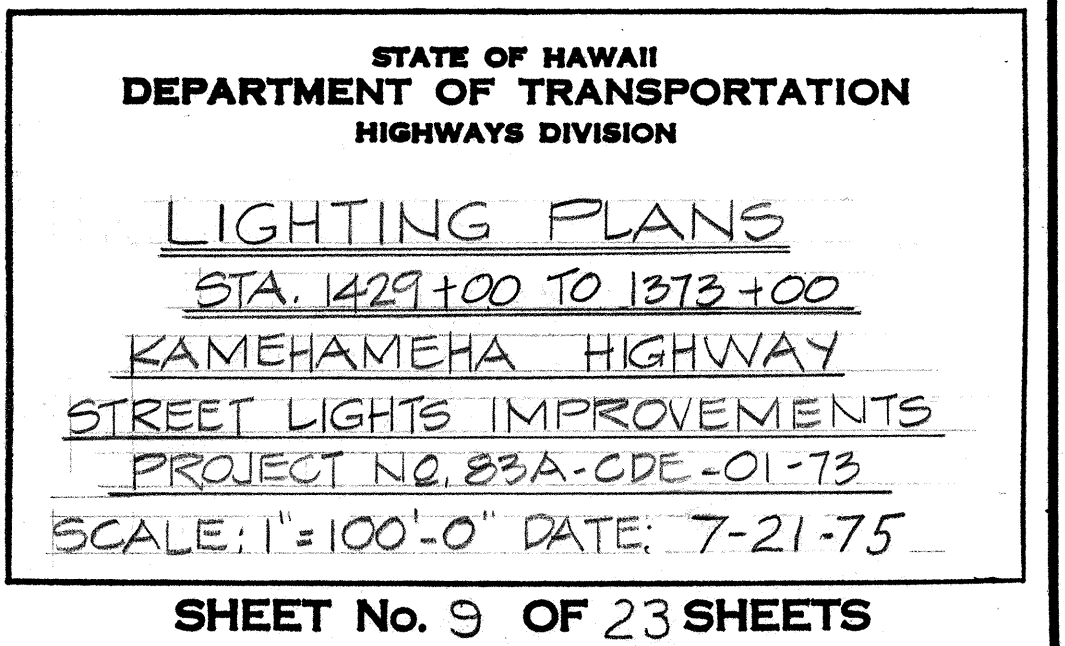
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

LIGHTING PLANS
 STA. 321+00 TO 376+00
 KAMEHAMEHA HIGHWAY
 STREET LIGHTS IMPROVEMENTS
 PROJECT NO. 83A-CDE-01-73
 SCALE: 1"=100'-0" DATE: 7-21-75

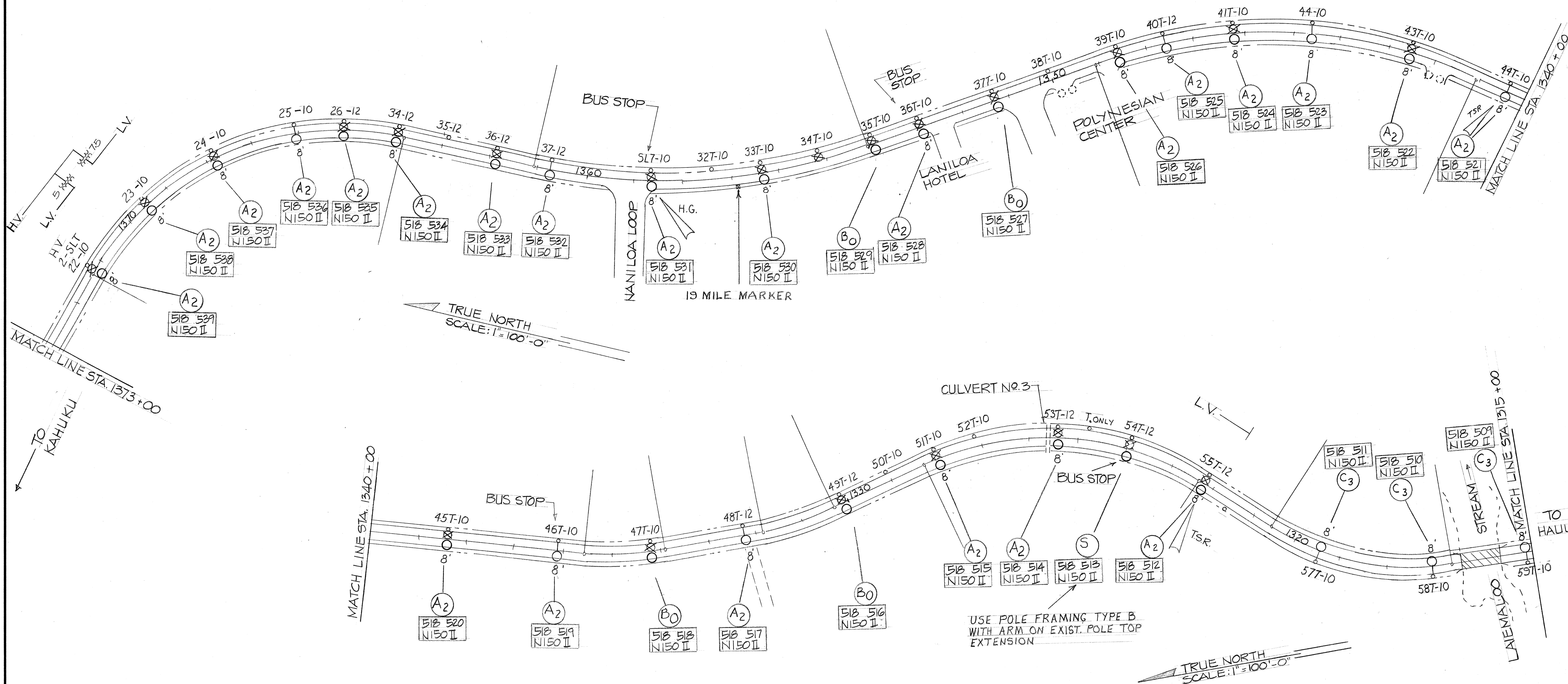
SHEET No. 7 OF 23 SHEETS



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-0173	1975	12	26



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-0173	1975	13	26



NOTE: POLES 22T TO 59T LAIE AREA

DATE	_____
SURVEY PLANNED BY	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____



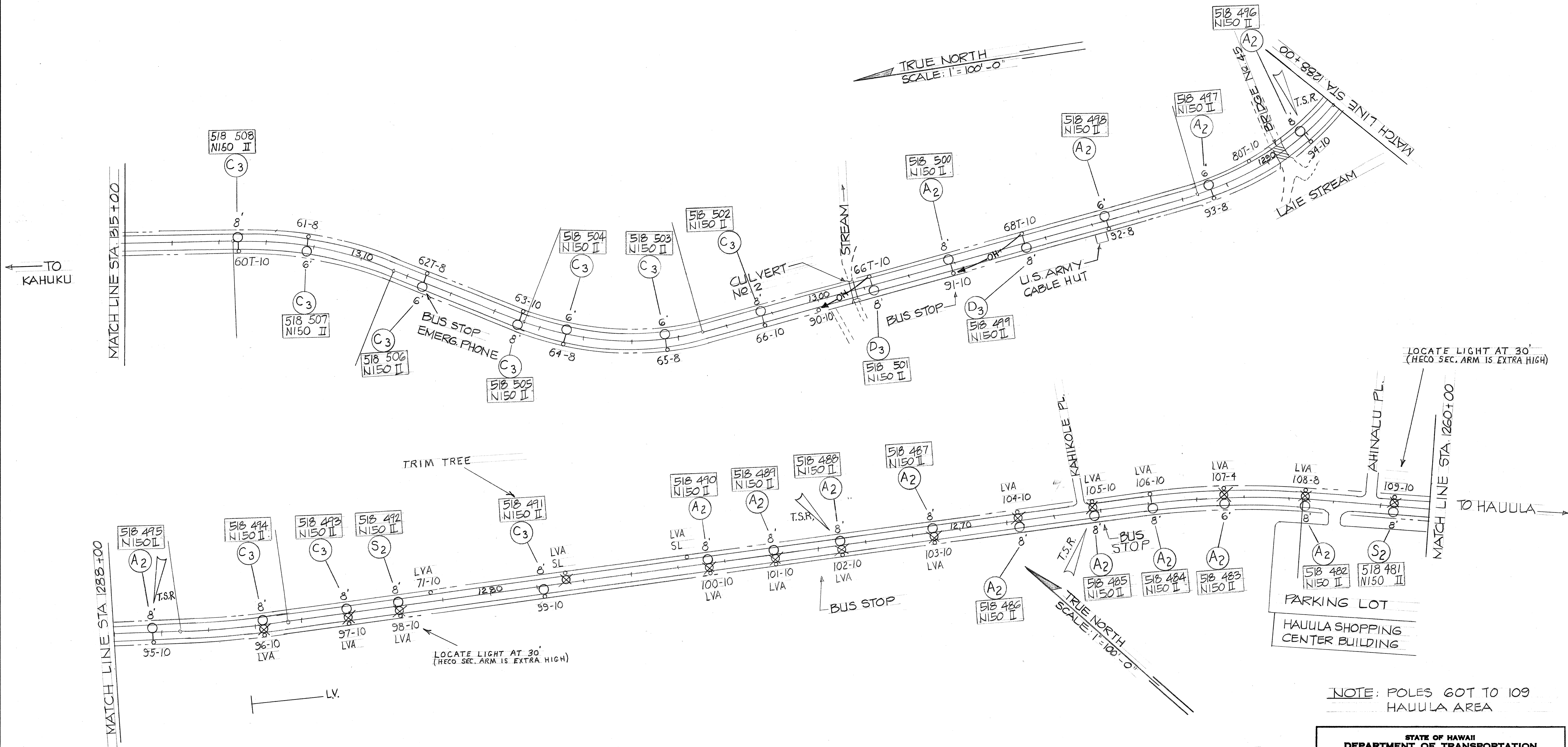
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 1373+00 TO 1315+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 83A-CDE-01-73
SCALE: 1"=100'-0" DATE: 7-21-75

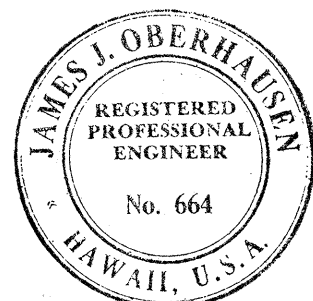
SHEET No. 10 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-01-73	1975	14	26

DATE	_____
DESIGNED BY	_____
DRAWN BY	_____
CHECKED BY	_____
NOTED BY	_____
NO.	_____



NOTE: POLES 60T TO 109 HAULA AREA



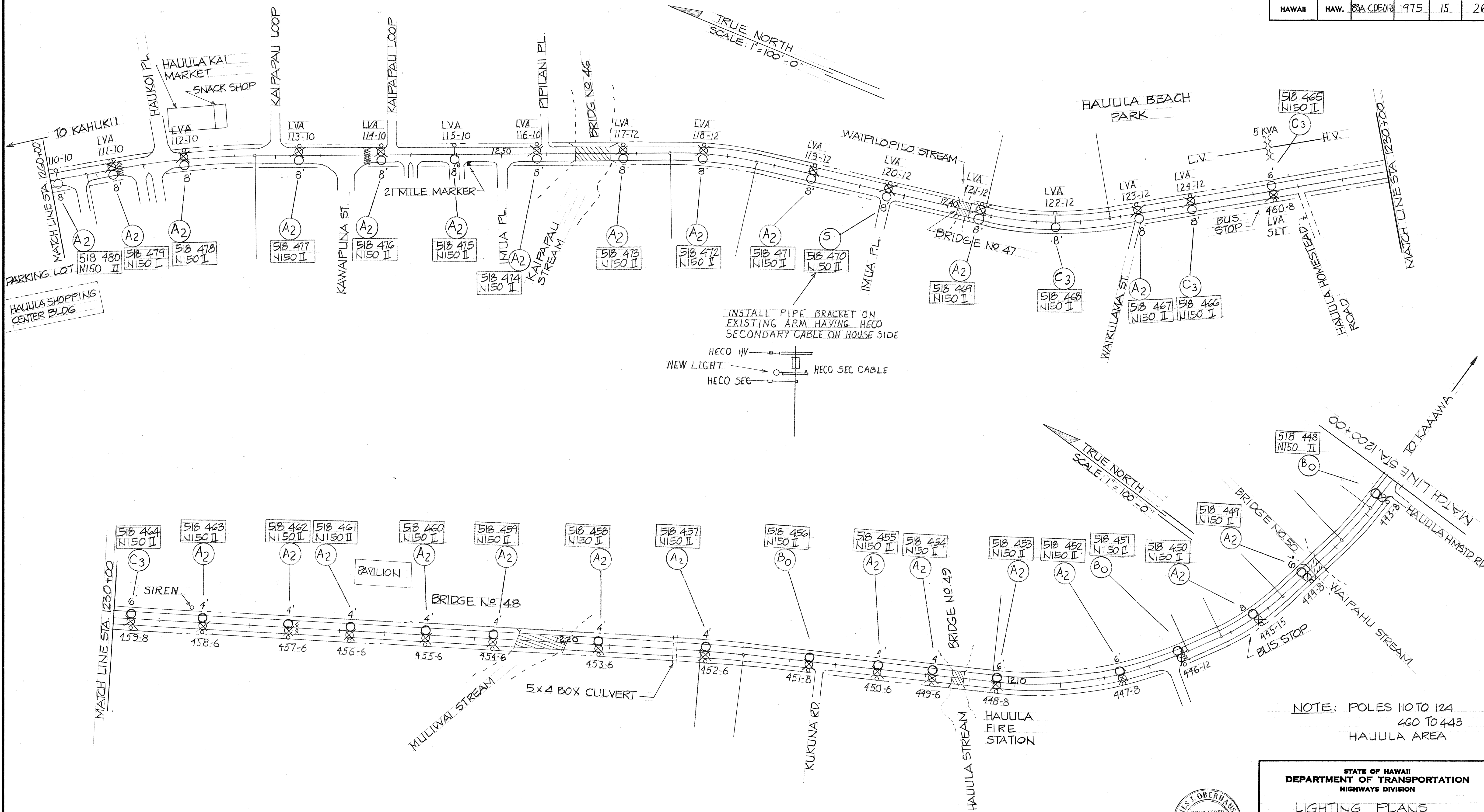
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James J. Oberhausen
James J. Oberhausen

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 1260+00 TO 1288+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 83A-CDE-01-73
SCALE: 1"=100'-0" DATED: 7-21-75

SHEET No. 11 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-0173	1975	15	26

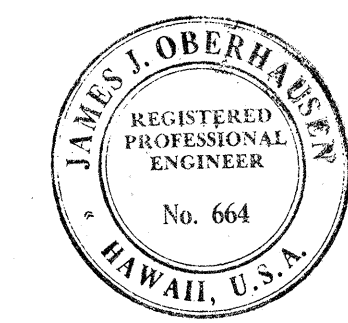


INSTALL PIPE BRACKET ON EXISTING ARM HAVING HECO SECONDARY CABLE ON HOUSE SIDE

HECO HV
NEW LIGHT
HECO SEC

NOTE: POLES 110 TO 124
460 TO 443
HAULEKA AREA

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NO.	_____

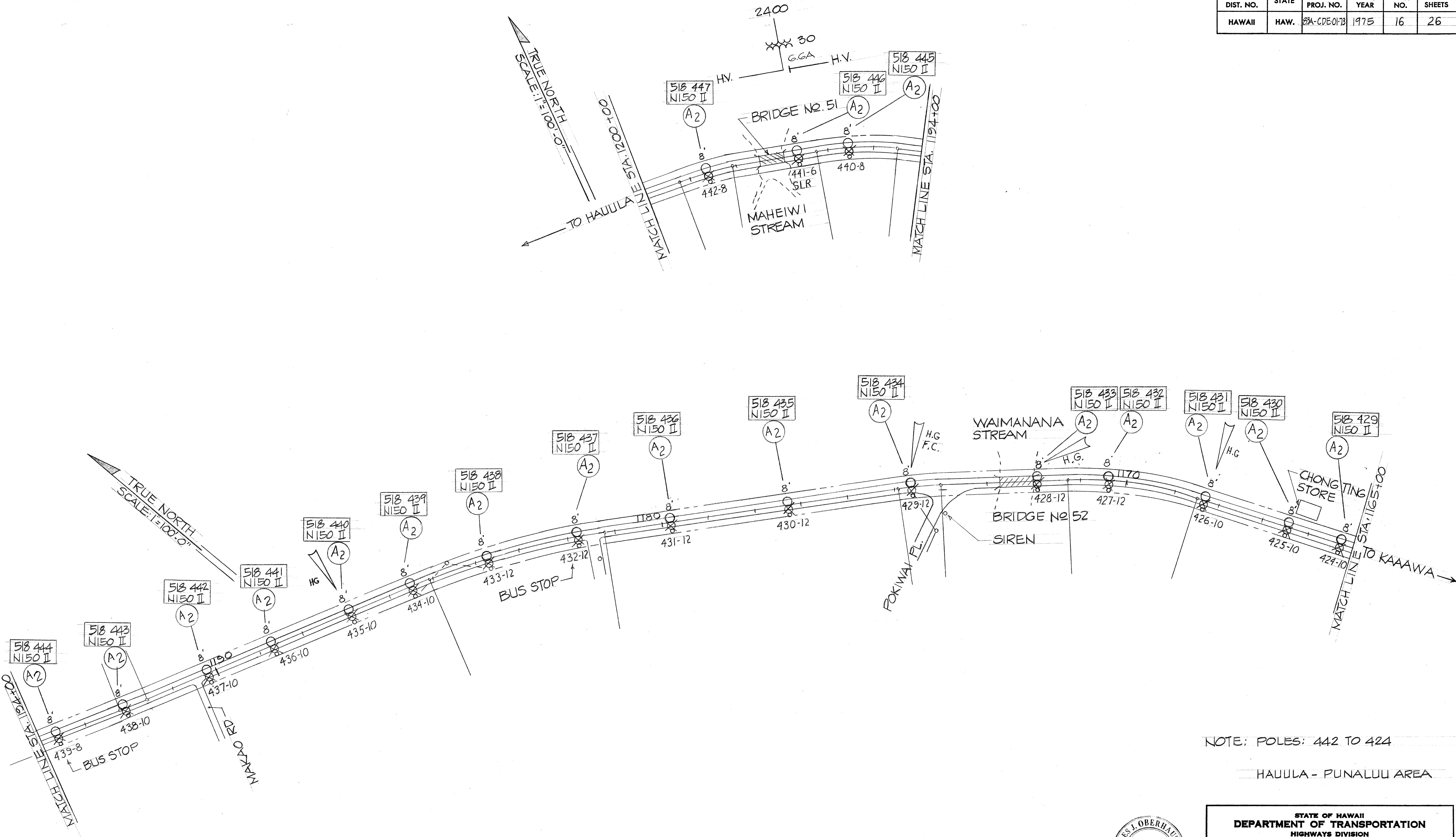


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 1260+00 TO 1200+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 83A-CDE-01-73
SCALE: 1"=100'-0" DATE: 7-21-75

SHEET No. 12 OF 23 SHEETS

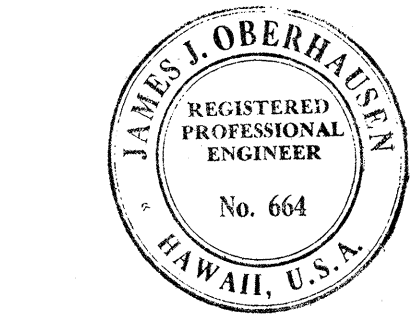
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-0173	1975	16	26



NOTE: POLES: 442 TO 424

HAUULA - PUNALUU AREA

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
APPROVED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



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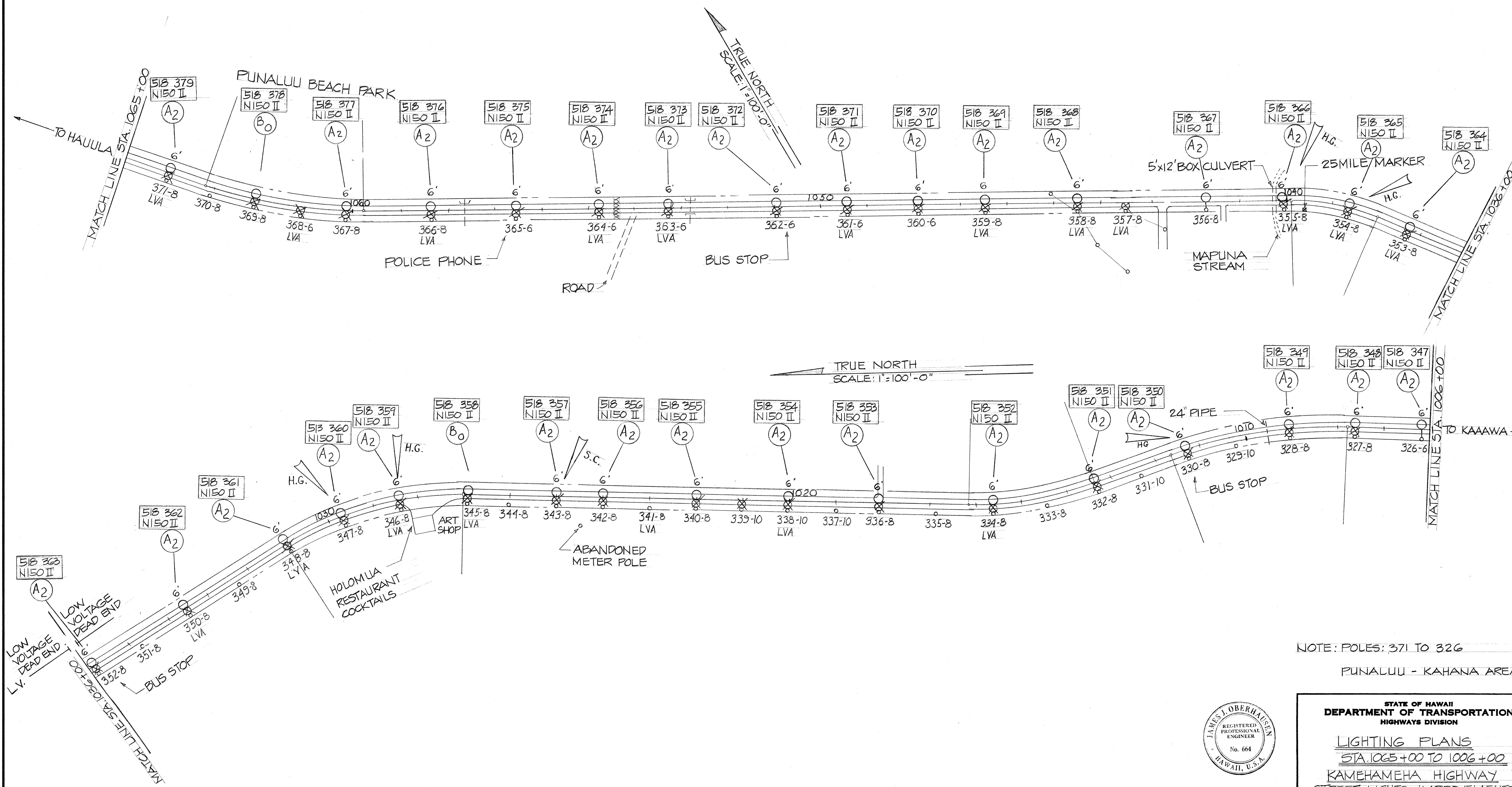
James J. Oberhausen

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

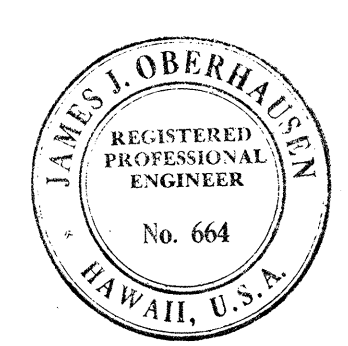
LIGHTING PLANS
STA. 1200+00 TO 1165+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 83A-CDE-01-73
SCALE: 1"=100'-0" DATE: 7-21-75

SHEET No. 13 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	23A-CDE-01-73	1975	19	26



NOTE: POLES: 371 TO 326
PUNALUU - KAHANA AREA



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James J. Oberhausen
James J. Oberhausen

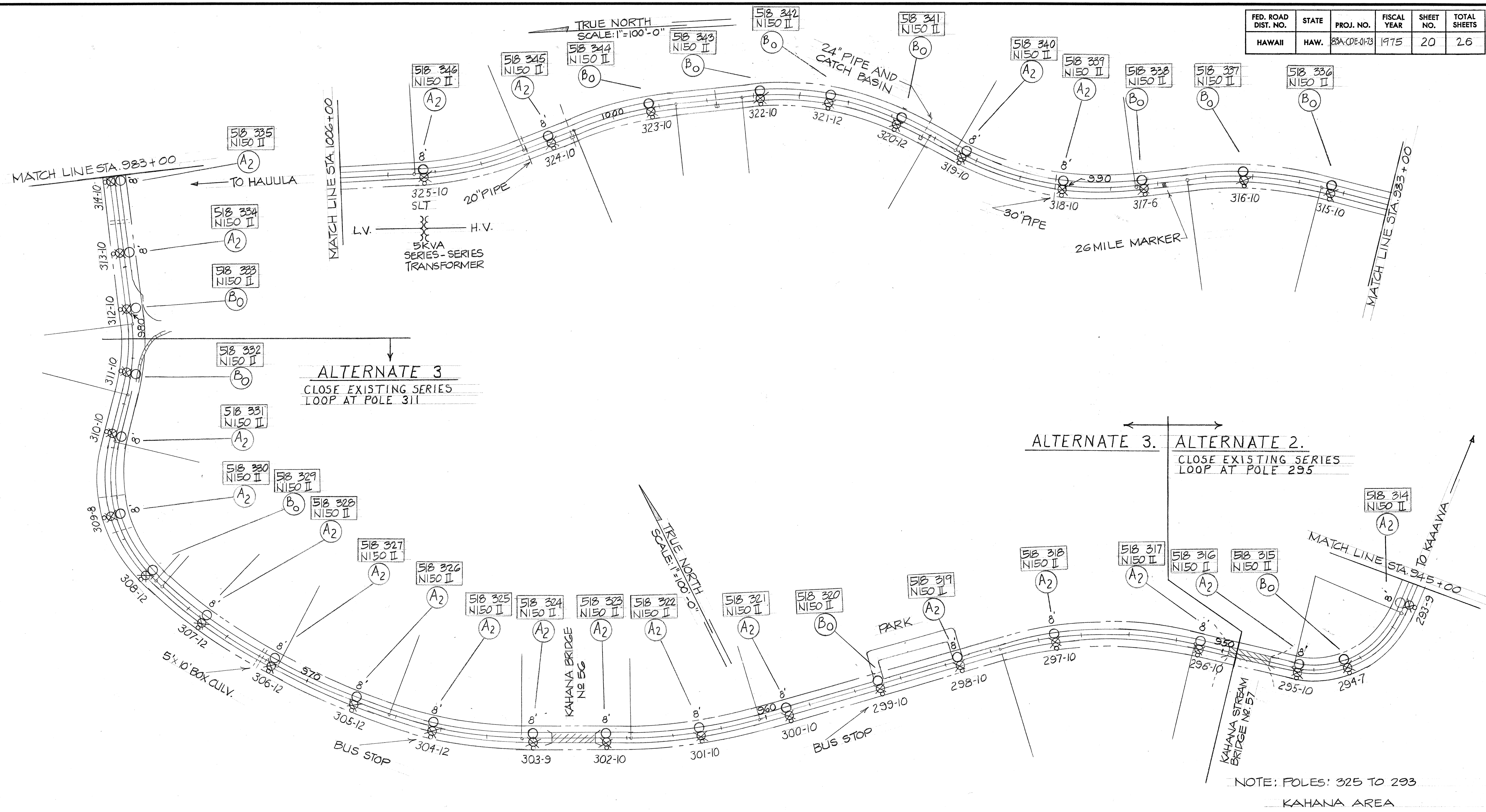
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 1065+00 TO 1006+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 23A-CDE-01-73
SCALE: 1"=100'-0" DATE: 7-21-75

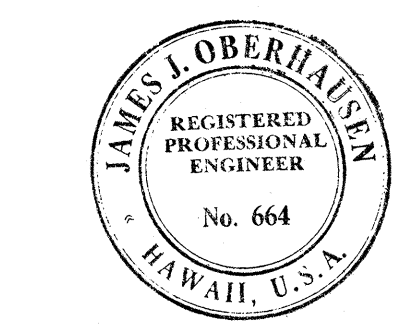
SHEET No. 16 OF 23 SHEETS

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NO.	_____

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-01-73	1975	20	26



WORK ON THIS SHEET INCLUDES ALTERNATES 2 AND 3



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James J. Oberhausen

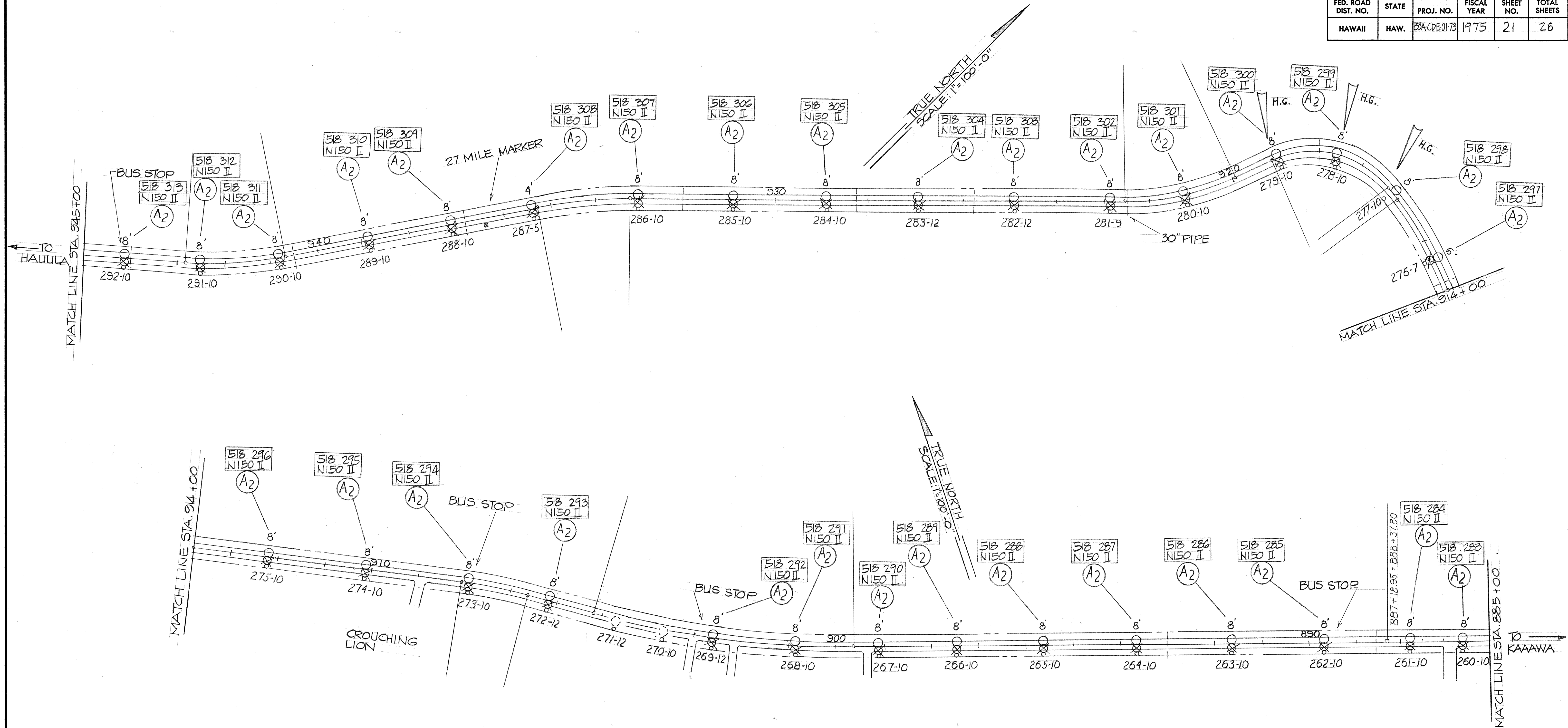
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 1006+00 TO 945+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT No. 83A-CDE-01-73
SCALE: 1"=100'-0" DATE: 7-21-75

SHEET No. 17 OF 23 SHEETS

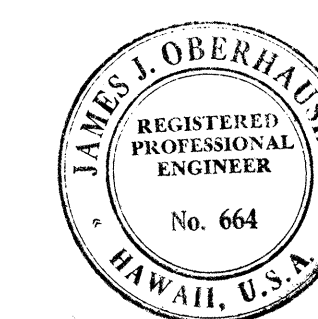
DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
NO.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	33A-CDE-01-73	1975	21	26



ALL WORK ON THIS SHEET- ALTERNATE 2.

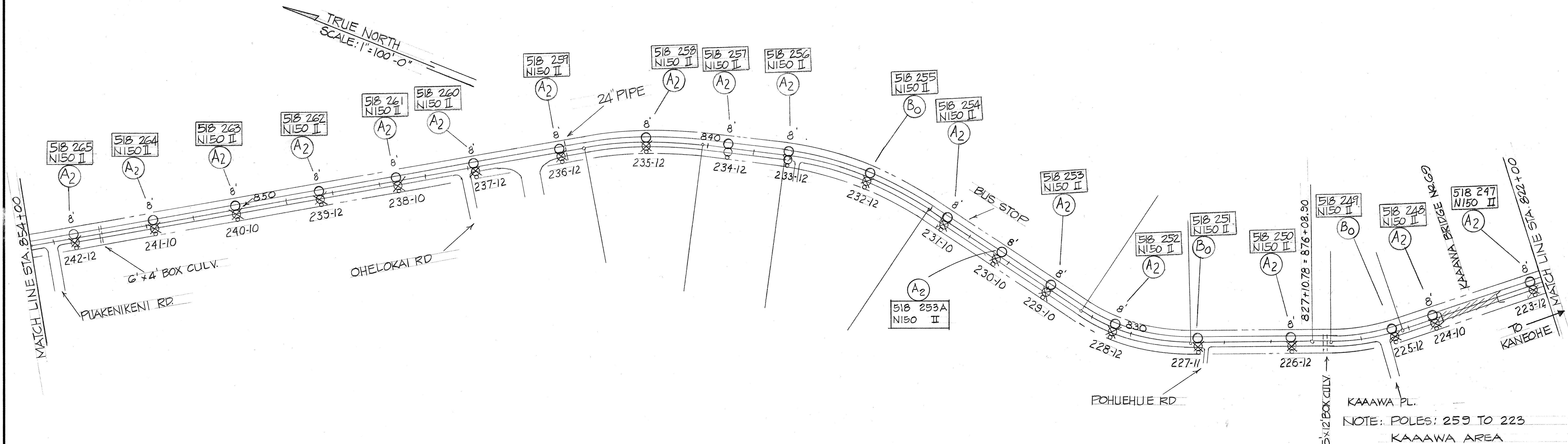
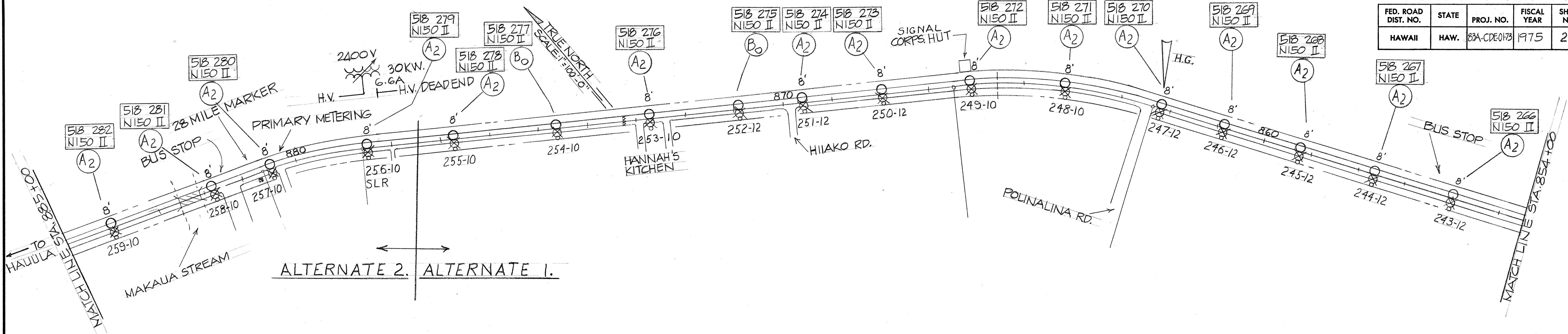
NOTE: POLES: 292 TO 260
KAHANA - KAAWA AREA



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James J. Oberhausen
James J. Oberhausen

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
LIGHTING PLANS	
STA. 945+00 TO 885+00	
KAMEHAMEHA HIGHWAY	
STREET LIGHTS IMPROVEMENTS	
PROJECT NO. 33A-CDE-01-73	
SCALE: 1"=100'-0" DATE: 7-21-75	
SHEET No. 18 OF 23 SHEETS	

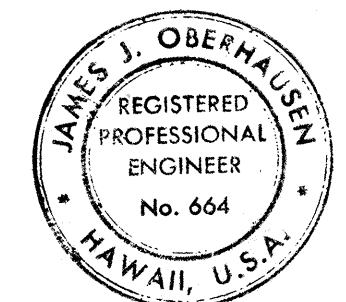
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-0173	1975	22	26



WORK ON THIS SHEET INCLUDES ALTERNATES 1 AND 2

DATE	11/22/76
DESIGNED BY	JAMES J. OBERHAUSEN
CHECKED BY	JAMES J. OBERHAUSEN
NOTED BY	JAMES J. OBERHAUSEN
ORIGINAL PLAN	11/22/76
NOTE BOOK	11/22/76
NO.	11/22/76

11/22/76	ADD LIGHT 253 A
DATE	REVISION



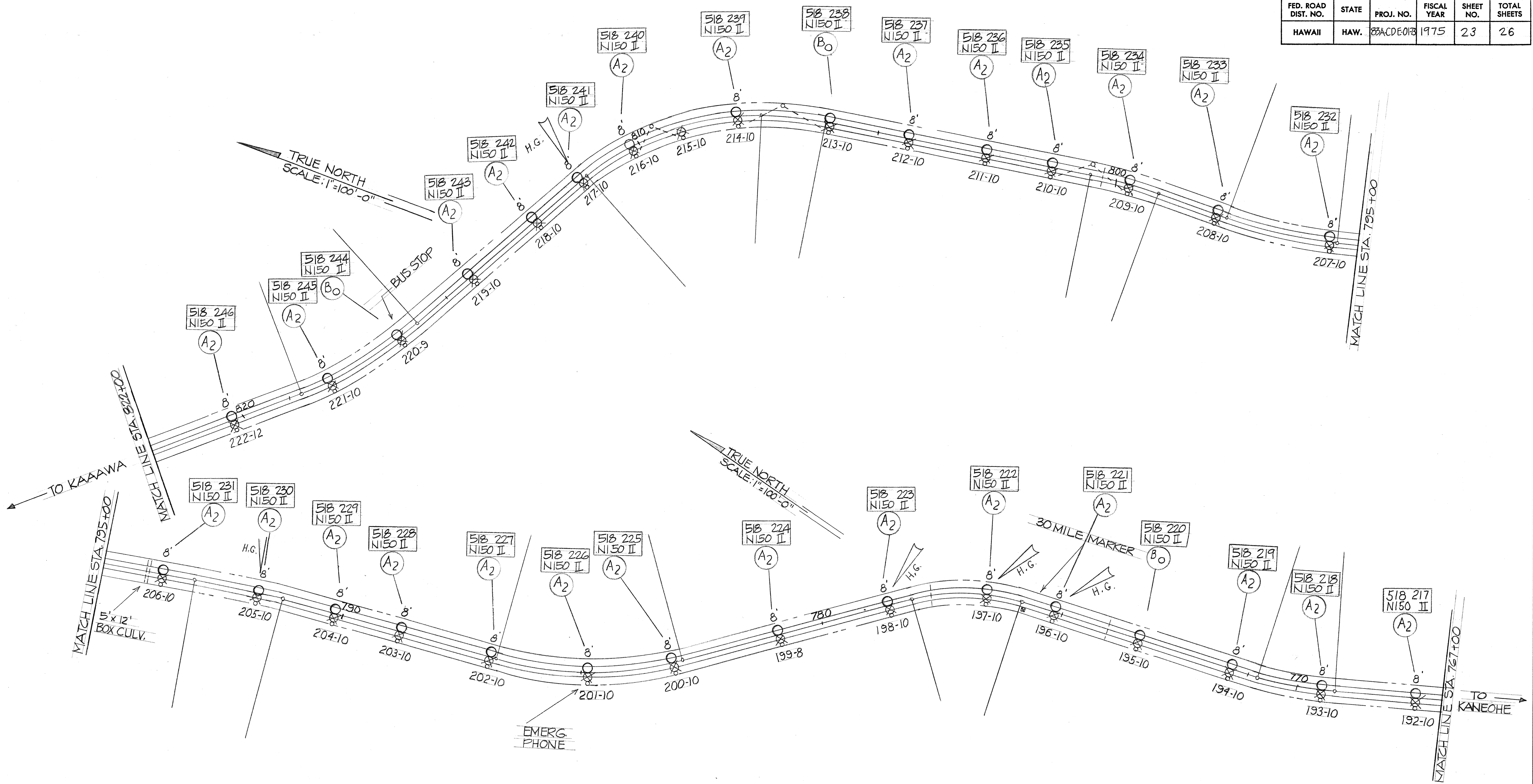
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 835+00 TO 822+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 83A-CDE-01-73
SCALE: 1"=100'-0" DATE: 7-21-75

SHEET No. 19 OF 23 SHEETS

C.O. 22

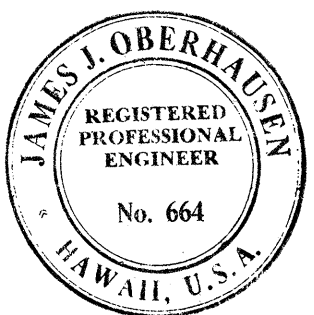
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-01-73	1975	23	26



ALL WORK ON THIS SHEET-ALTERNATE 1.

NOTE: POLES: 222 TO 192
KAAAWA AREA

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
NO.	



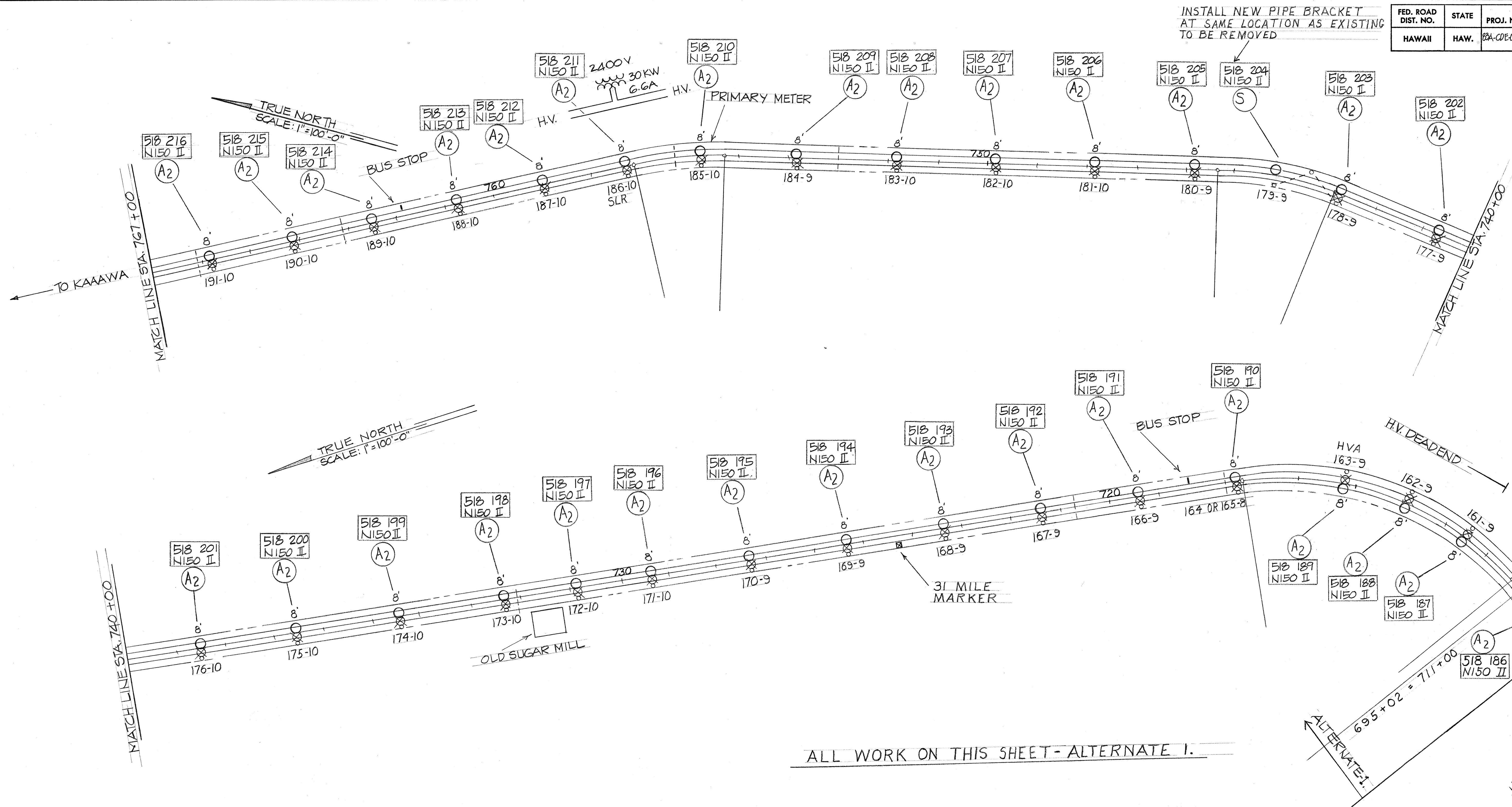
This work was prepared by me or under my supervision.
James J. Oberhausen
James J. Oberhausen

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 822+00 TO 767+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 83A-CDE-01-73
SCALE: 1"=100'-0" DATE: 7-21-75

SHEET No. 20 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-01-73	1975	24	26



DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

NOTE: POLES 191 TO 160
KAAWA - KUALOA AREA

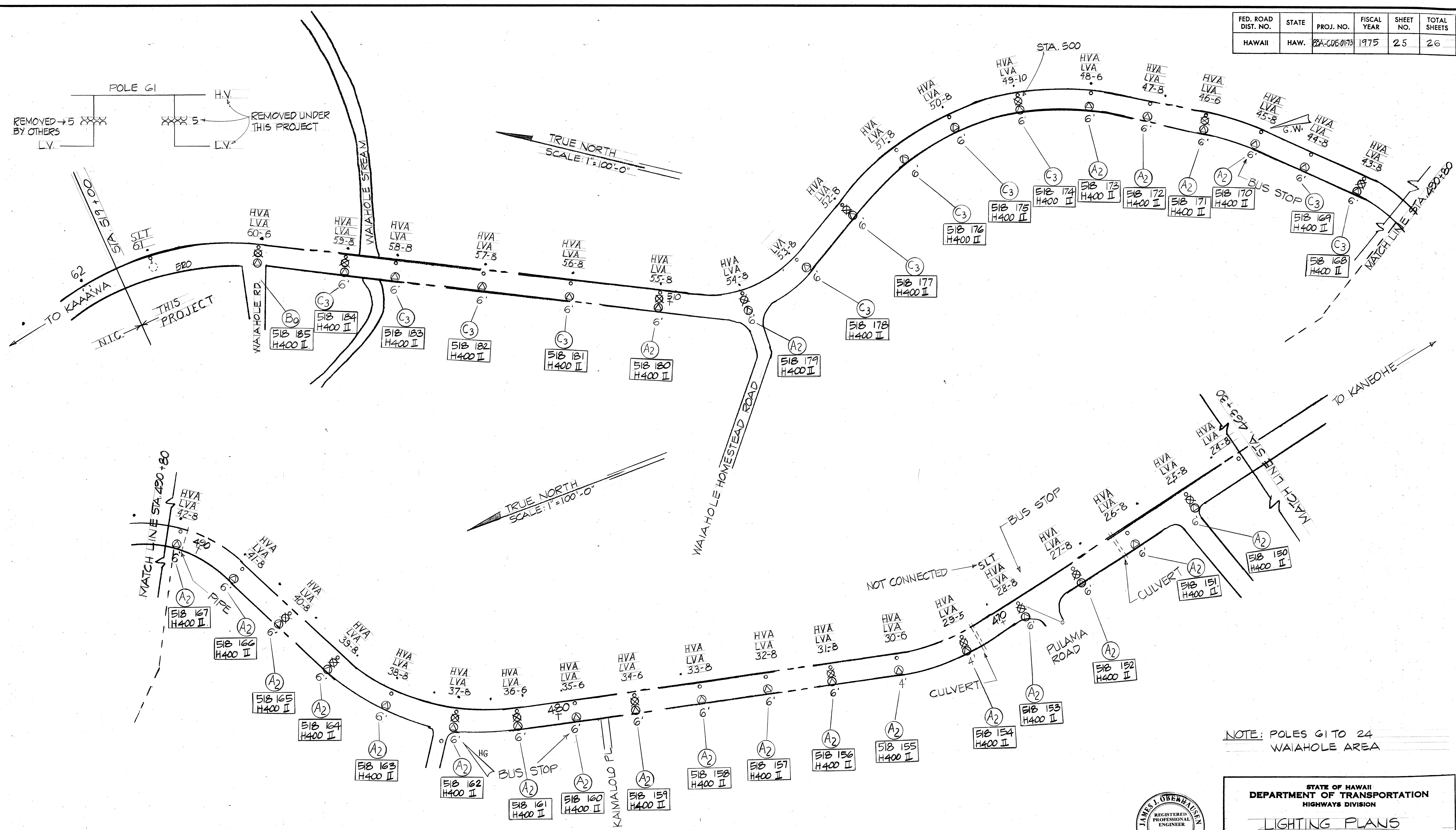


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 767+00 TO 692+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 83A-CDE-01-73
SCALE: 1"=100'-0" DATE: 7-21-75

SHEET No. 21 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-01-73	1975	25	26



NOTE: POLES G1 TO 24
WAIHOLE AREA

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
NO.	_____

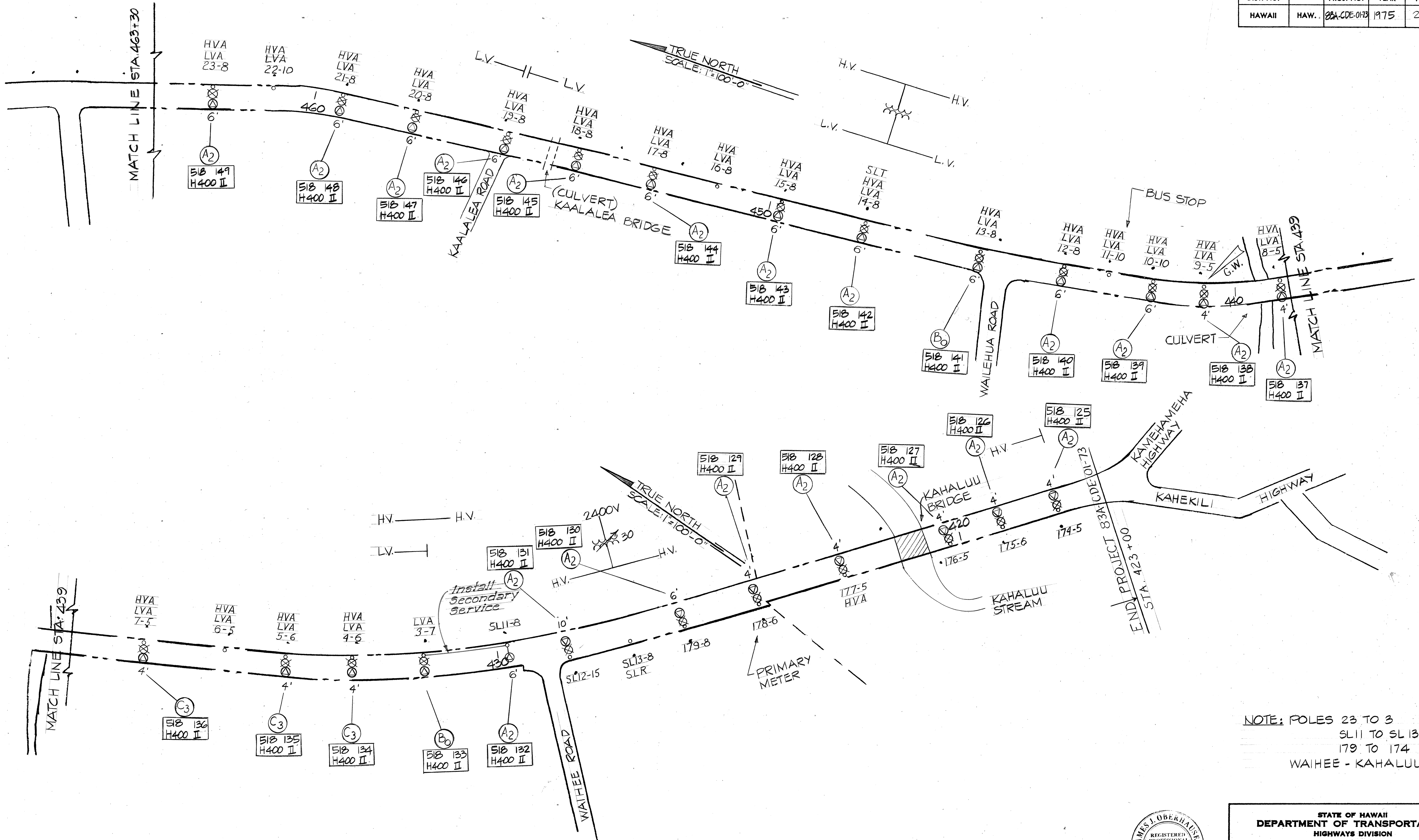


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 519+00 TO 463+80
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 83A-CDE-01-73
SCALE: 1"=100'-0" DATE: 7-21-75

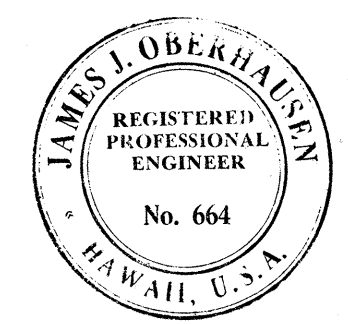
SHEET No. 22 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-01-73	1975	26	26



NOTE: POLES 23 TO 3
 SL11 TO SL 13
 179 TO 174
 WAIHEE - KAHALUU AREA

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
NO.	_____



This work was prepared by me or under my supervision.
 James J. Oberhausen
 James J. Oberhausen

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
STA. 423+00 TO 423+00
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 83A-CDE-01-73
SCALE: 1"=100'-0" DATE: 7-21-75

SHEET No. 23 OF 23 SHEETS