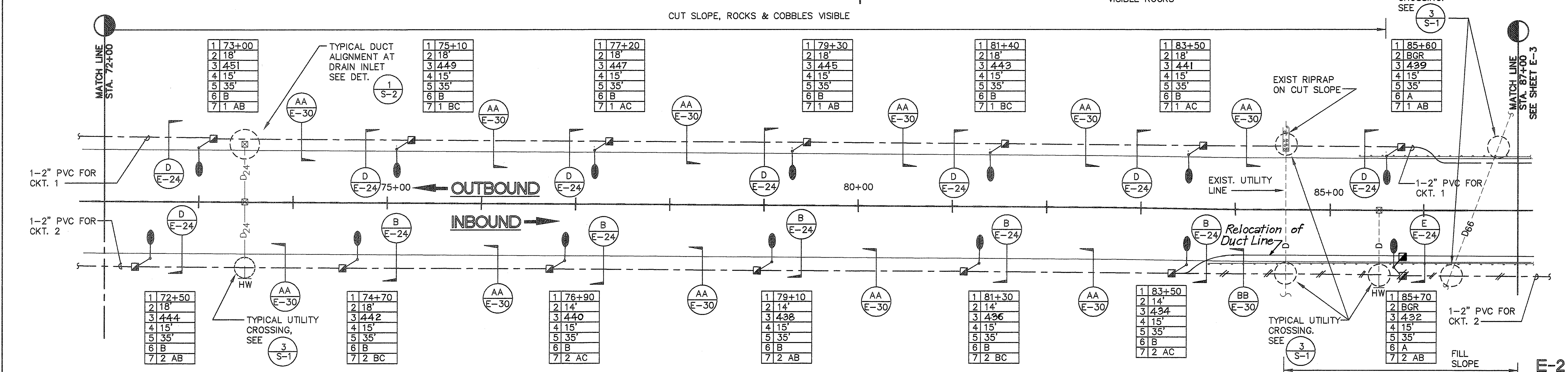
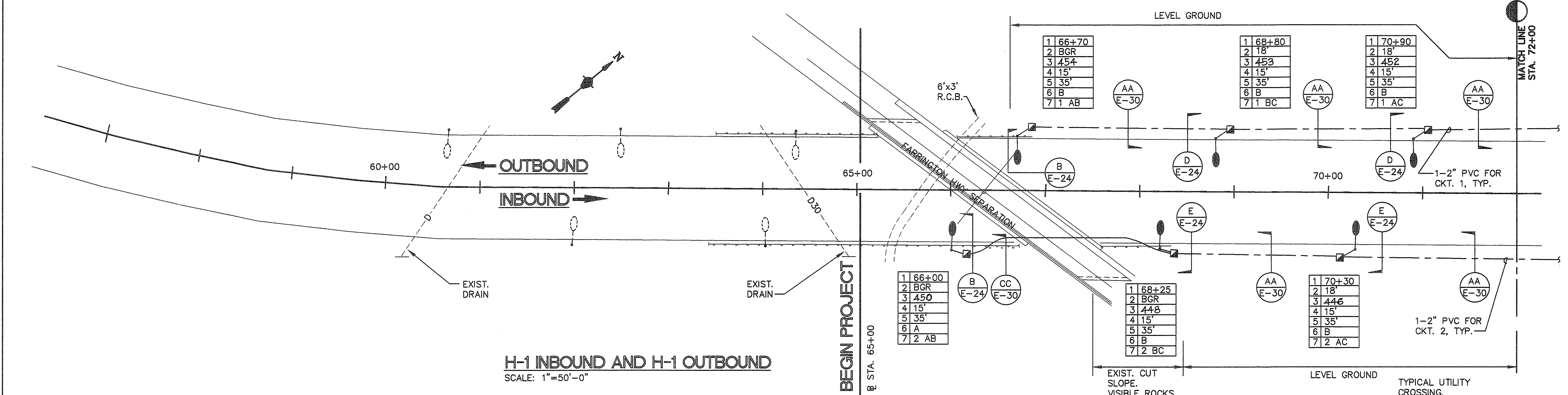


FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	4	38



H-1 INBOUND AND H-1 OUTBOUND
SCALE: 1"=50'-0"

DETAILS:

- 72+00 to 75+00:** OUTBOUND and INBOUND lanes. EXIST. DRAIN. BEGIN PROJECT line at 75+00.
- 75+00 to 80+00:** FARRINGTON HWY SEPARATION. EXIST. CUT SLOPE. VISIBLE ROCKS. LEVEL GROUND.
- 80+00 to 85+00:** OUTBOUND and INBOUND lanes. EXIST. CUT SLOPE. VISIBLE ROCKS. LEVEL GROUND.
- 85+00 to 87+00:** OUTBOUND and INBOUND lanes. EXIST. CUT SLOPE. VISIBLE ROCKS. LEVEL GROUND.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PARTIAL LIGHTING PLAN-1

INTERSTATE ROUTE H-1
PALILAI I.C. TO KUNIA I.C.
PROJECT No. IR-H1-1(213)

SCALE: AS NOTED

SHEET No. 1 OF 12 SHEETS

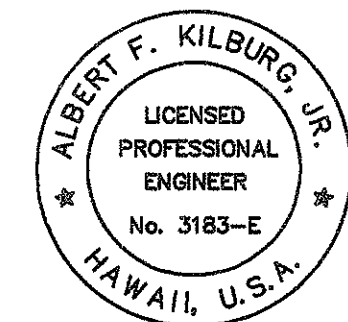
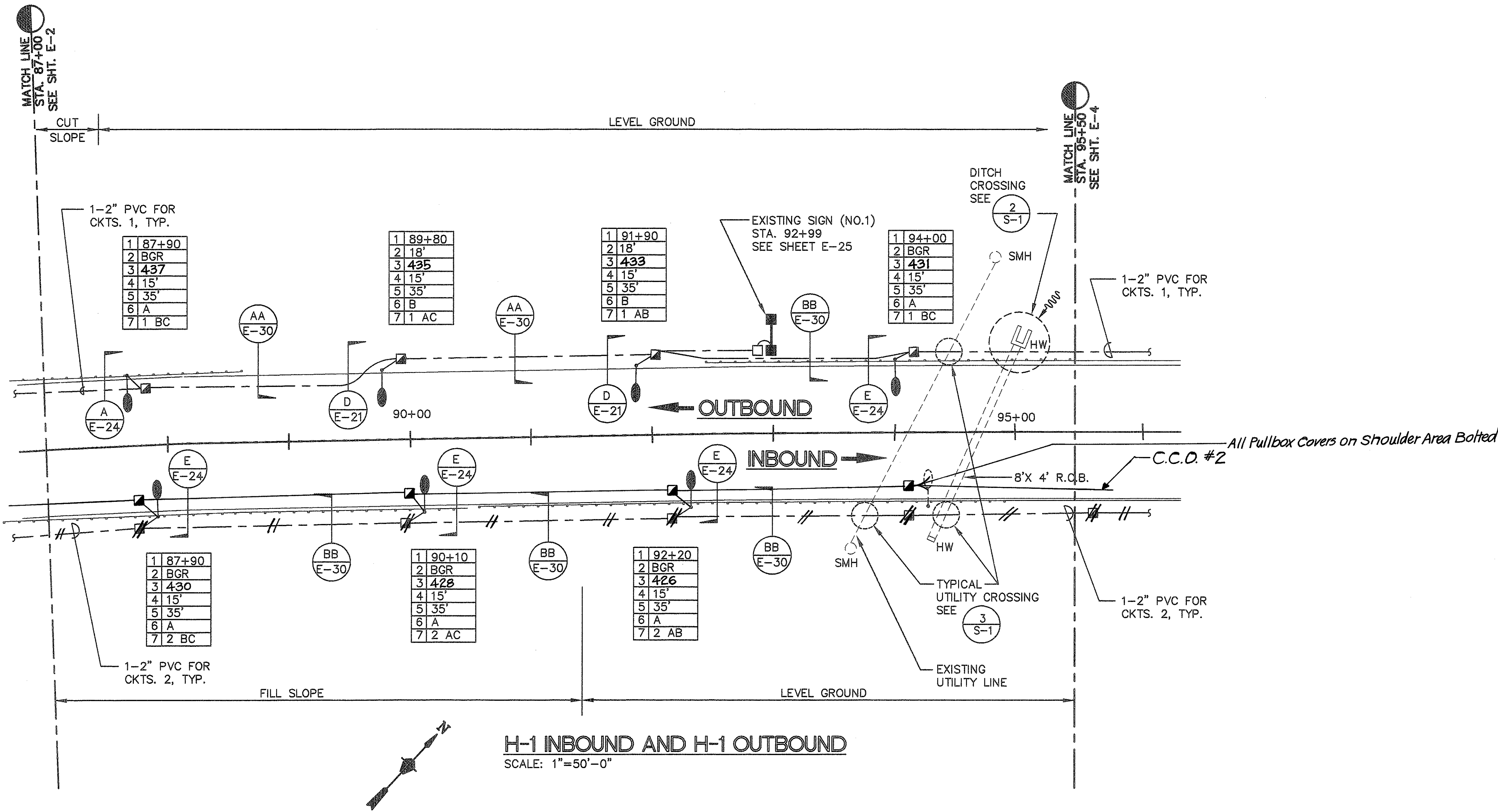
Albert F. Kilburg, Jr.
LICENSED PROFESSIONAL ENGINEER
No. 3183-E
HAWAII, U.S.A.

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DVM JOB No.: 89104.01
CAD FILE No.: E-2/1

DATE: _____ REVISION: _____

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	5	38



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E-3

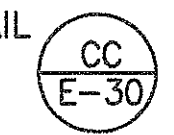
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL LIGHTING PLAN-2
INTERSTATE ROUTE H-1
PALAILAI I.C. TO KUNIA I.C.
PROJECT No. IR-H1-1(213)
SCALE: AS NOTED
SHEET No. 2 OF 12 SHEETS

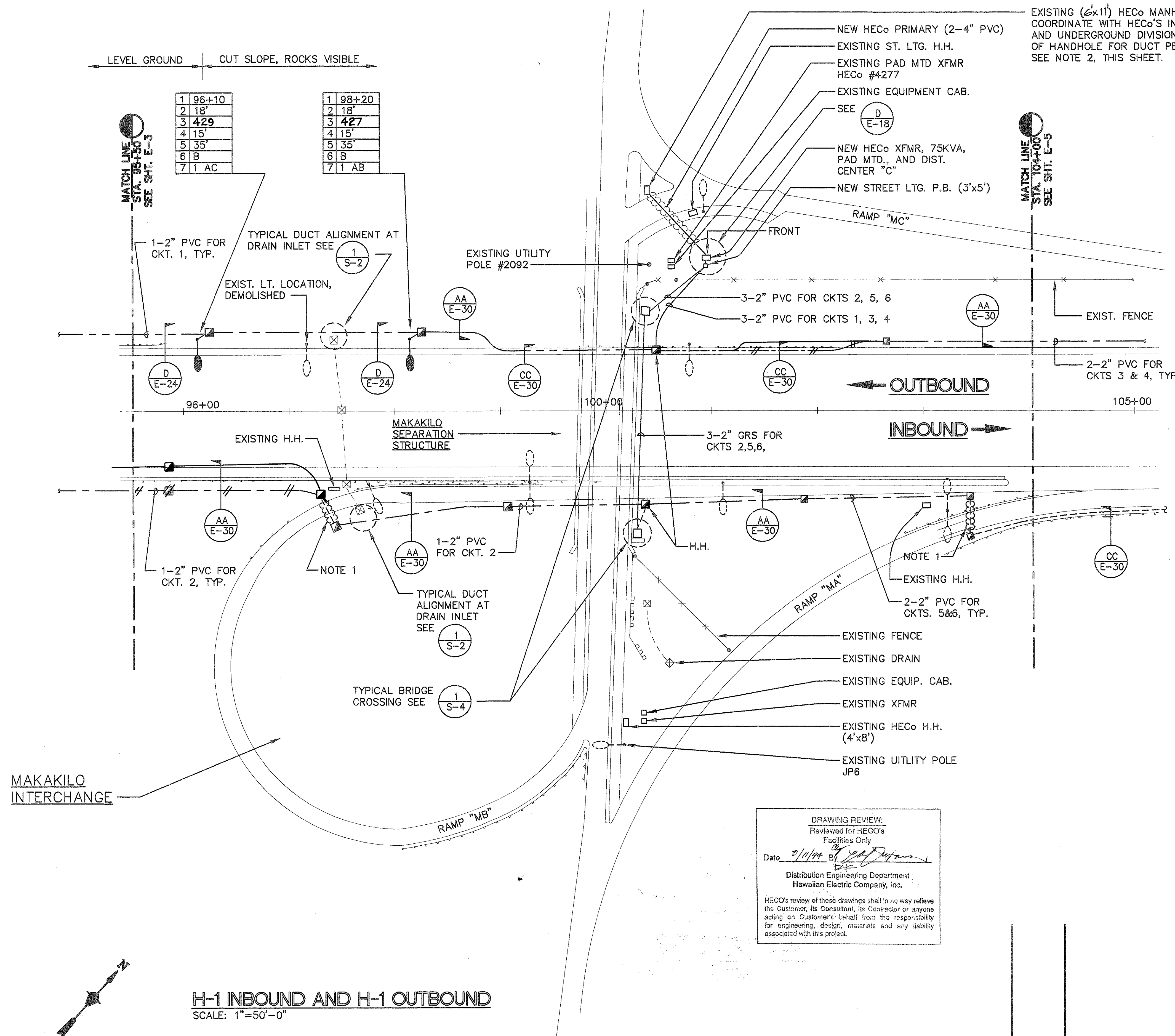
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CAD FILE No.: E-3 / 1

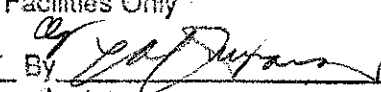
DATE REVISION

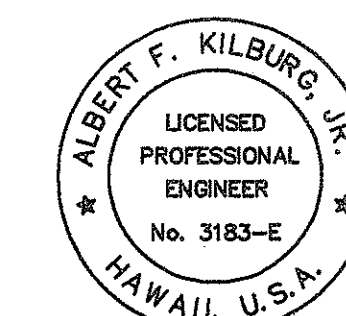
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	6	38

NOTE:

1. PROVIDE CONCRETE ENCASED DUCTBANK WHERE CONDUITS CROSS ROADWAYS, DRAWINGS MAY NOT SPECIFICALLY INDICATE ALL ROADWAY AREAS. VERIFY EXISTING CONDITIONS AND PROVIDE DUCTBANKS AS REQUIRED. SEE TYPICAL DETAIL .
2. THE CONTRACTOR SHALL COORDINATE WORK WITH THE UTILITY COMPANY'S CONTRACTING AND INSPECTION DIVISION (PHONE NO. 543-5668) AND WILL REQUIRE AT LEAST TEN (10) WORKING DAYS ADVANCE NOTICE FOR INSPECTION OF UTILITY COMPANY FACILITIES. UNDERGROUND DIVISION TO BREAK INTO EXISTING HANDHOLE, TEN (10) WORKING DAYS ADVANCE NOTICE IS REQUIRED PRIOR TO ENTERING HANDHOLES WITH ENERGIZED CABLES. CUSTOMER CONTRACTOR SHALL COORDINATE WORK WITH THE UTILITY COMPANY'S UNDERGROUND DIVISION (PHONE NO. 543-7345).



DRAWING REVIEW:
Reviewed for HECO's
Facilities Only
Date 3/11/94 BY 
Distribution Engineering Department
Hawaiian Electric Company, Inc.
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E-4

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL LIGHTING PLAN-3
INTERSTATE ROUTE H-1
PALALAI I.C. TO KUNIA I.C.
PROJECT No. IR-H1-1(213)

SCALE: AS NOTED

SHEET No. 3 OF 12 SHEETS

DVM JOB No.: 89104.01
CAD FILE No.: E-4 / 1

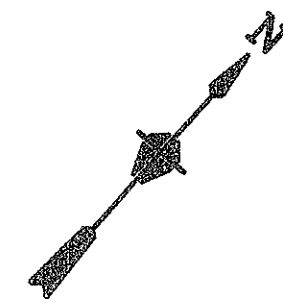
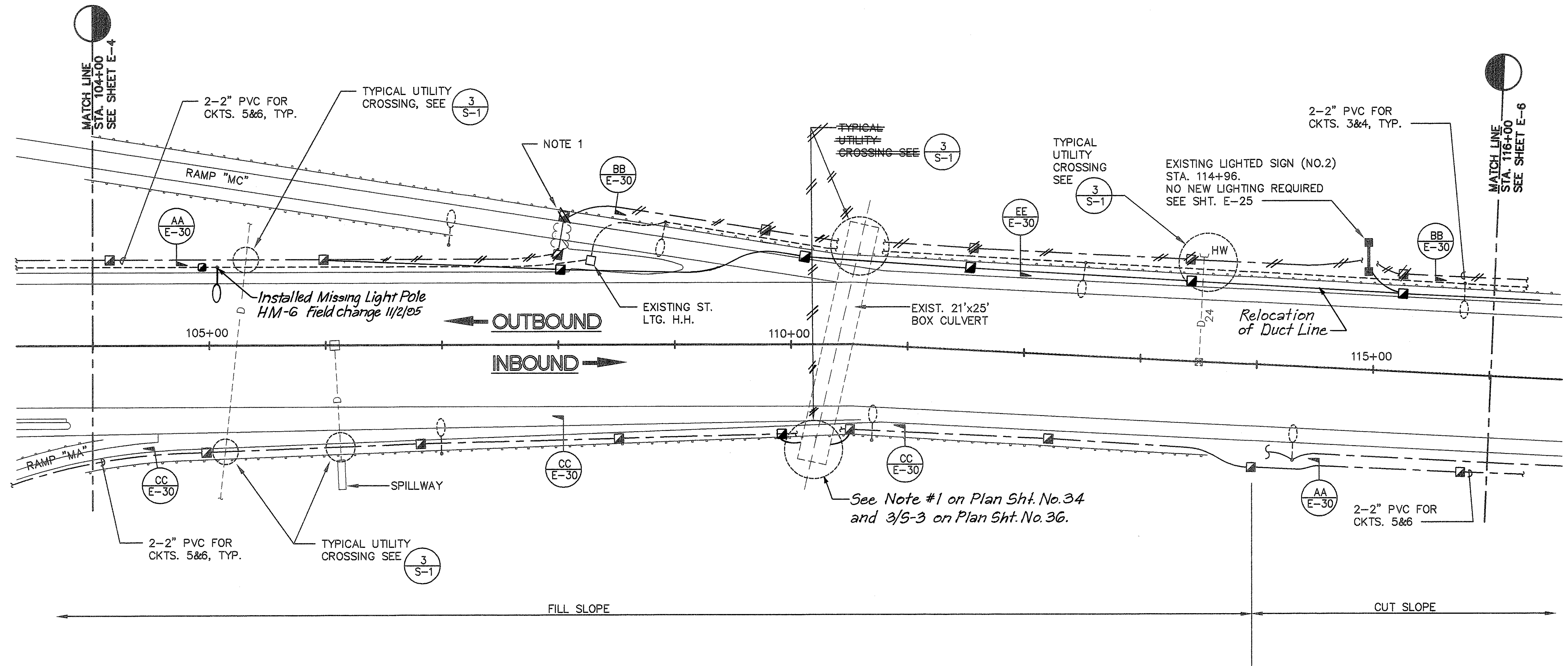
DATE REVISION

NOTE:

1. PROVIDE CONCRETE ENCASED DUCTBANK WHERE CONDUITS CROSS ROADWAYS, DRAWINGS MAY NOT SPECIFICALLY INDICATE ALL ROADWAY AREAS. VERIFY EXISTING CONDITIONS AND PROVIDE DUCTBANKS AS REQUIRED. SEE TYPICAL DETAIL

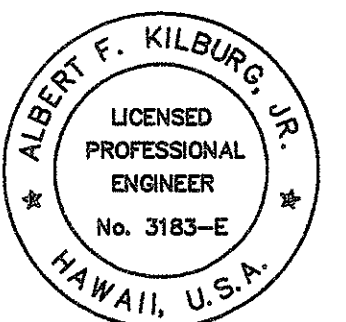
CC
E-30

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	7	38



H-1 INBOUND AND H-1 OUTBOUND

SCALE : 1"=50'-0"



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E-5

DVM JOB No.: 89104.01
CAD FILE No.: E-5 / 1

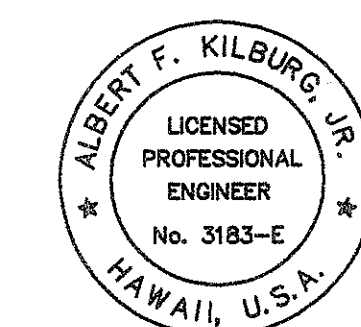
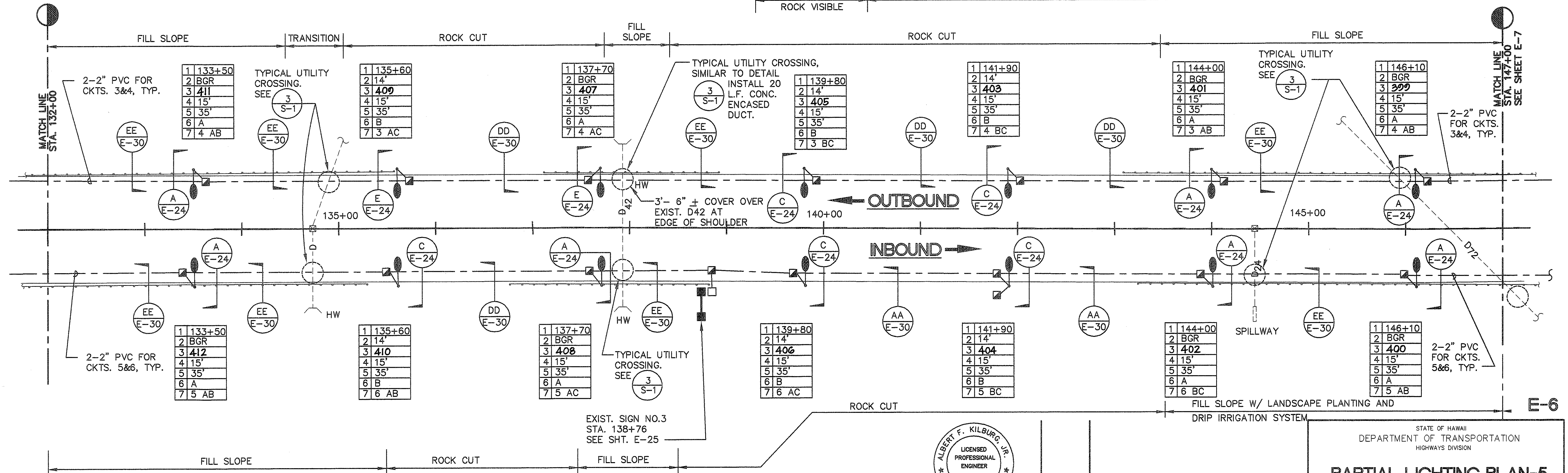
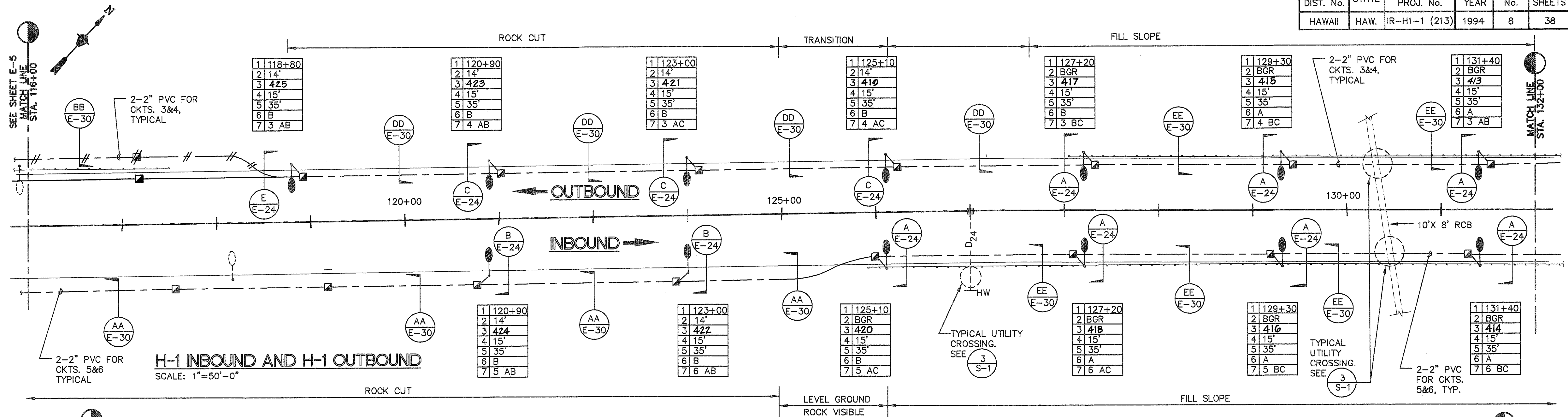
DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL LIGHTING PLAN-4
INTERSTATE ROUTE H-1
PALAILAI I.C. TO KUNIA I.C.
PROJECT No. IR-H1-1(213)

SCALE: AS NOTED

SHEET No. 4 OF 12 SHEETS

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	8	38

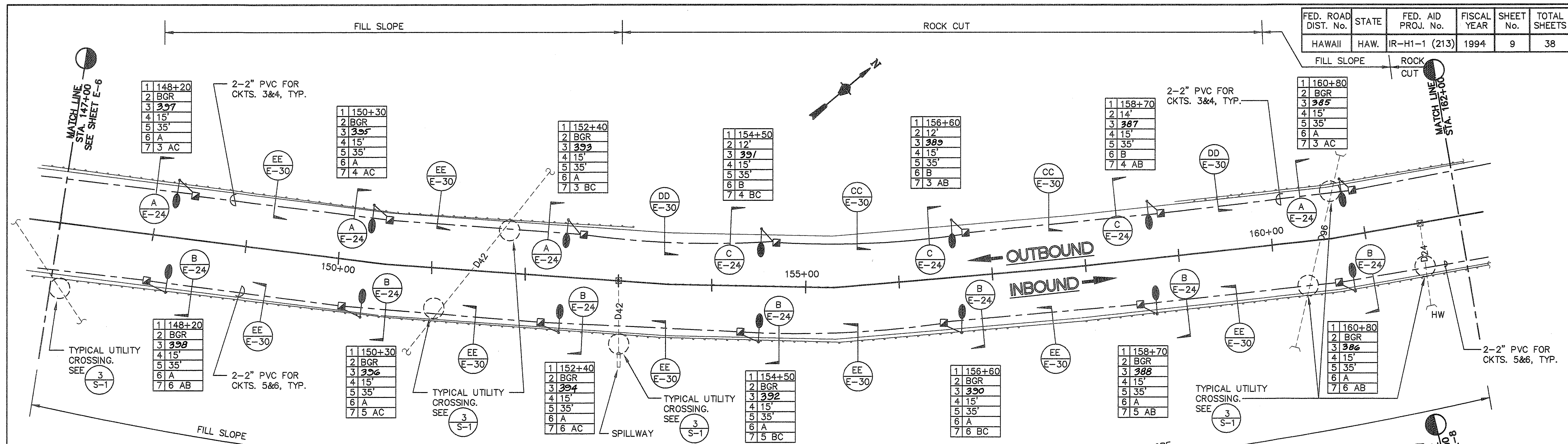


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CAD FILE No.: E-6/1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL LIGHTING PLAN-5
INTERSTATE ROUTE H-1
PALAILAI I.C. TO KUNIA I.C.
PROJECT No. IR-H1-1(213)

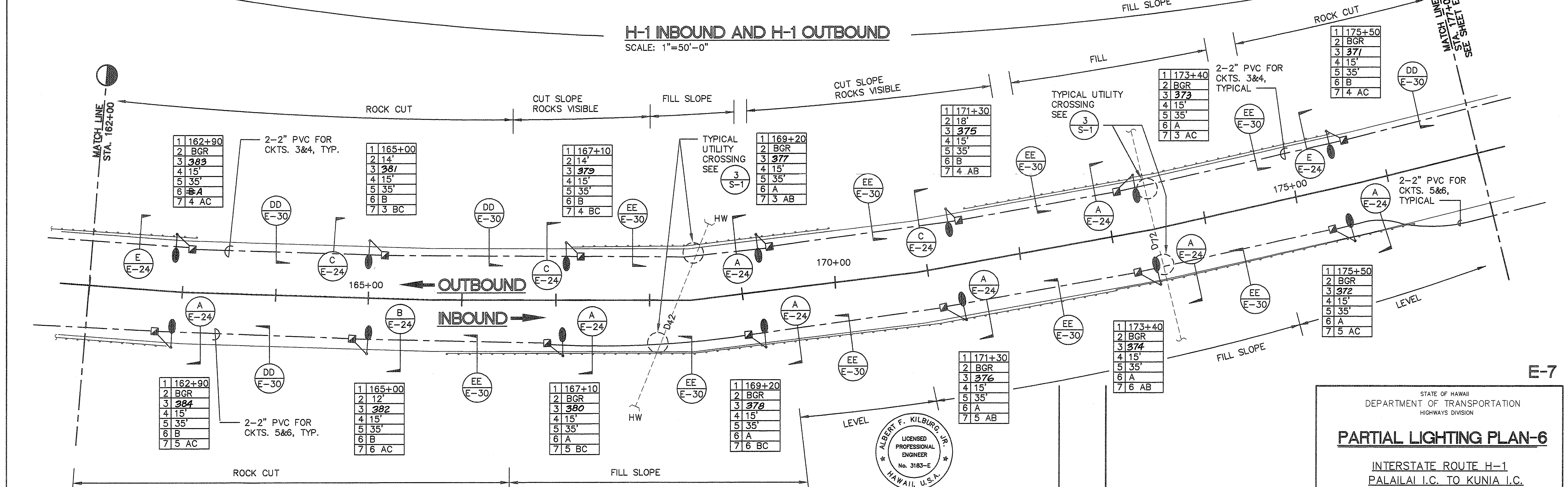
SCALE: AS NOTED
SHEET No. 5 OF 12 SHEETS

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	9	38



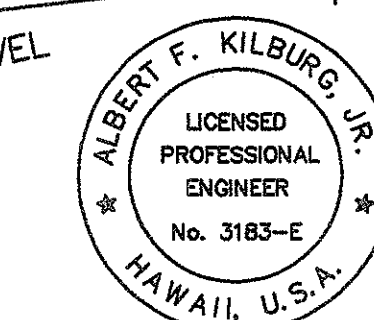
H-1 INBOUND AND H-1 OUTBOUND

SCALE: 1"=50'-0"



H-1 INBOUND AND H-1 OUTBOUND

SCALE: 1"=50'-0"



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DVM JOB No.: 89104.01
CAD FILE No.: E-7/1

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PARTIAL LIGHTING PLAN-6

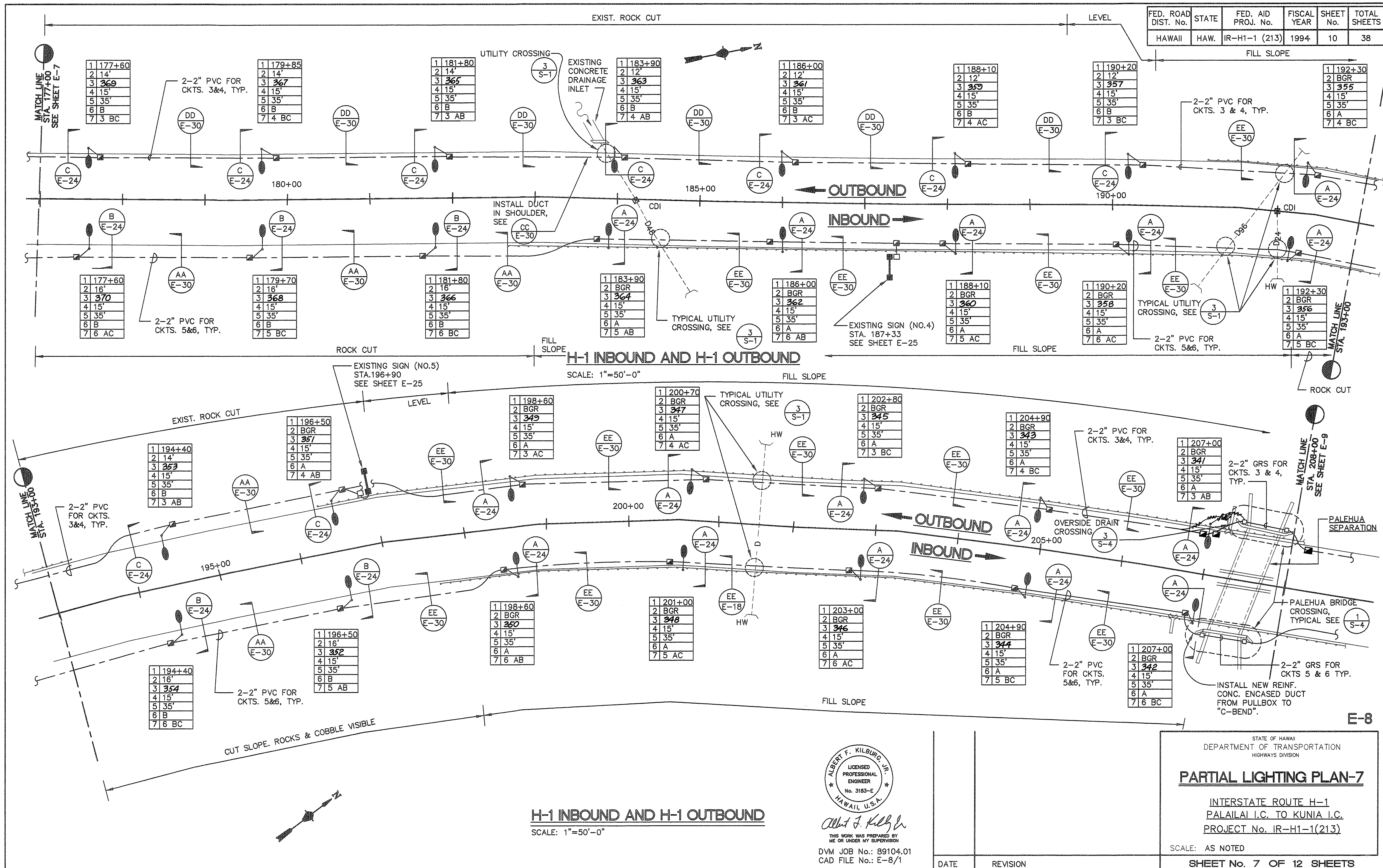
INTERSTATE ROUTE H-1
PALAILAI I.C. TO KUNIA I.C.
PROJECT No. IR-H1-1(213)

SCALE: AS NOTED

SHEET No. 6 OF 12 SHEETS

E-7

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	10	38

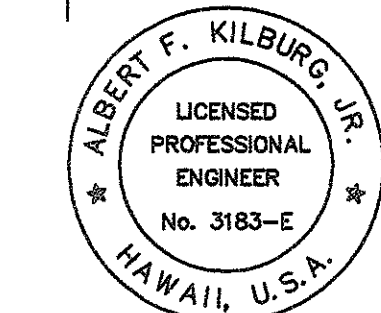
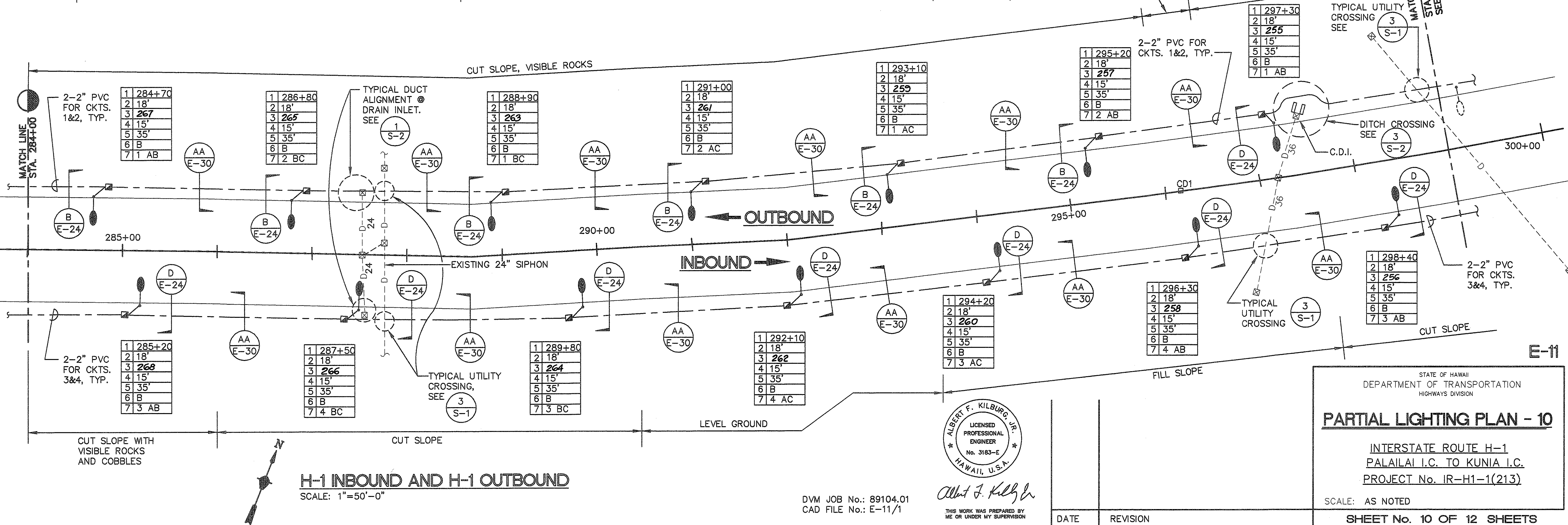
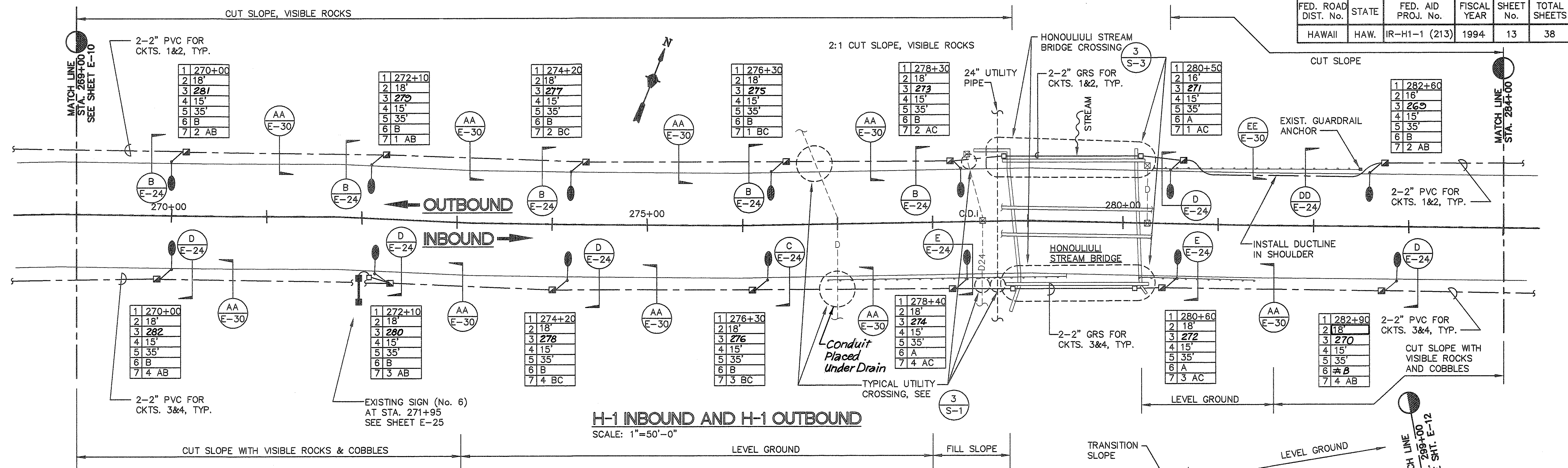


ALBERT F. KILBURG, JR.
LICENSED PROFESSIONAL ENGINEER
No. 3183-E
HAWAII, U.S.A.

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CAD FILE No.: E-8/1

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	13	38



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DVM JOB No.: 89104.01
CAD FILE No.: E-11/1

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

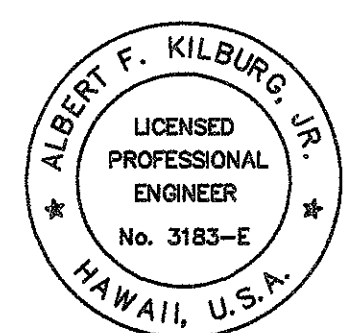
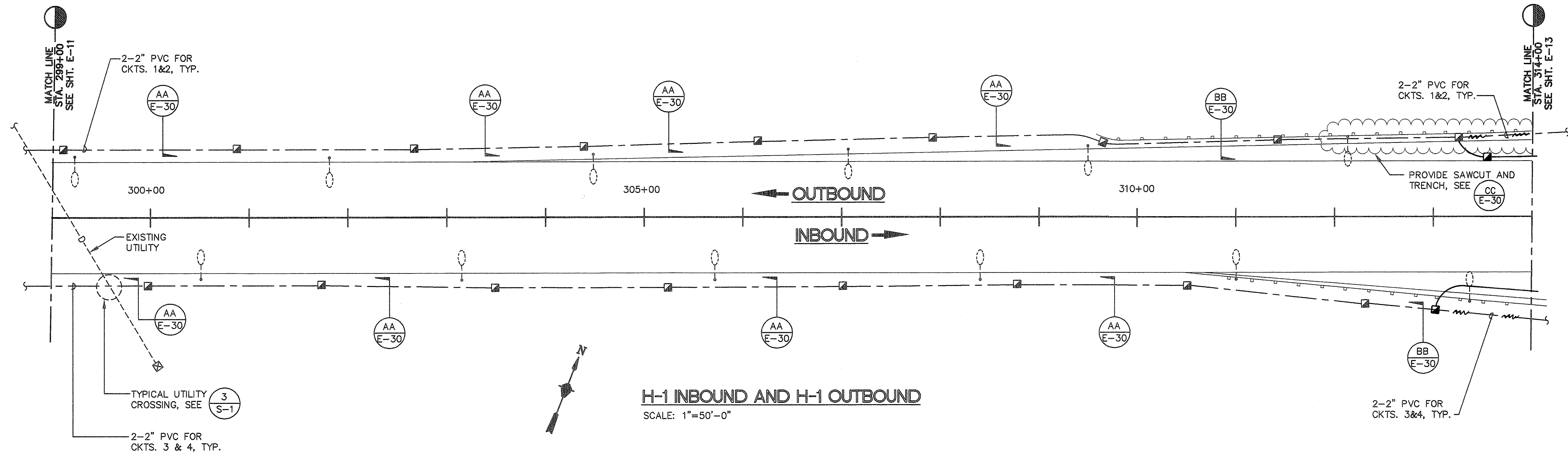
PARTIAL LIGHTING PLAN - 10

INTERSTATE ROUTE H-1
PALAILAI I.C. TO KUNIA I.C.
PROJECT No. IR-H1-1(213)

SCALE: AS NOTED

SHEET No. 10 OF 12 SHEETS

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	14	38



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E-12

DVM JOB No.: 89104.01
 CAD FILE No.: E-12/2

DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

PARTIAL LIGHTING PLAN-11

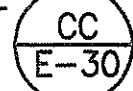
 INTERSTATE ROUTE H-1
 PALAILAI I.C. TO KUNIA I.C.
 PROJECT No. IR-H1-1(213)

 SCALE: AS NOTED

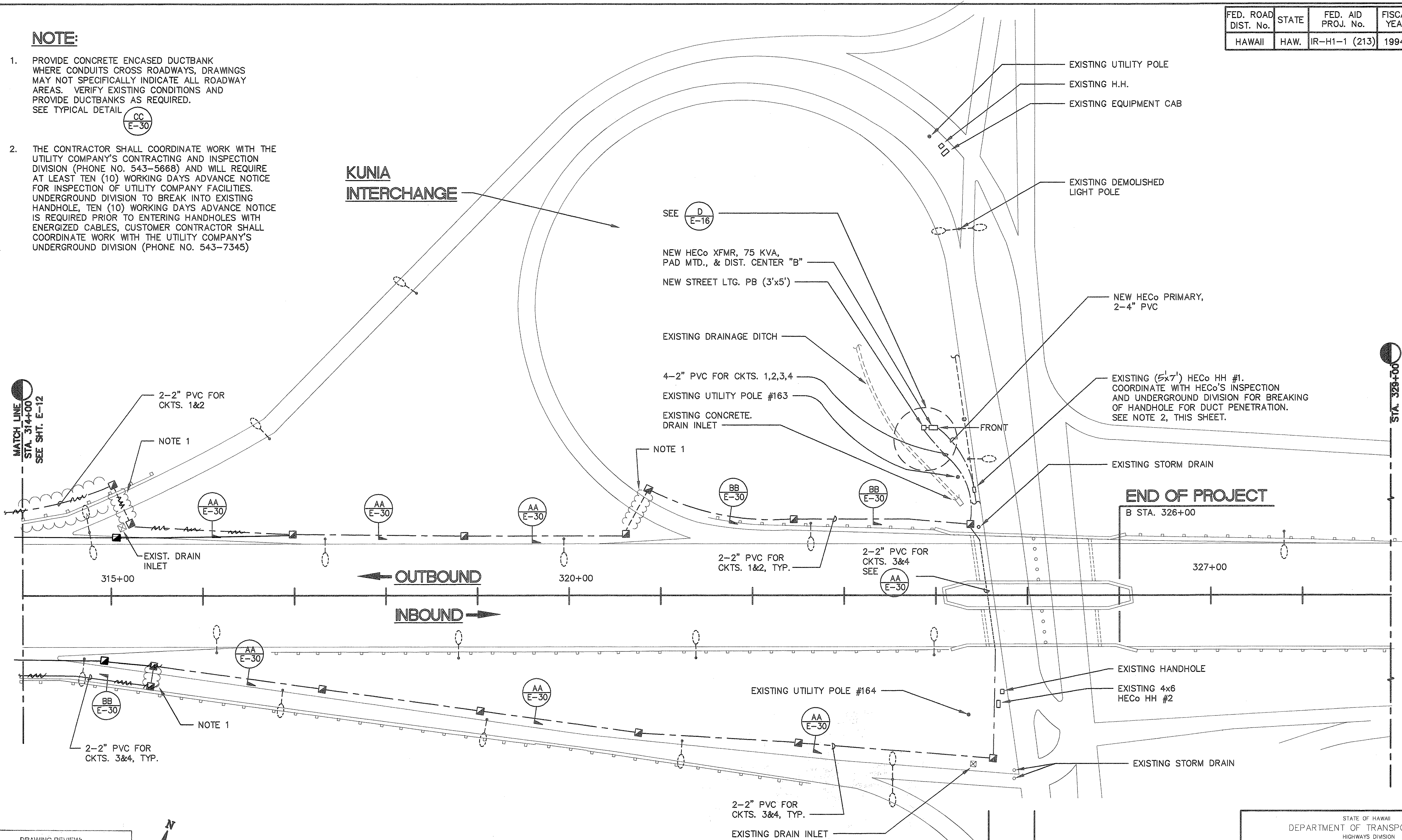
 SHEET No. 11 OF 12 SHEETS

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	15	38

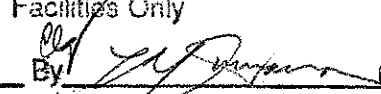
NOTE:

1. PROVIDE CONCRETE ENCASED DUCTBANK WHERE CONDUITS CROSS ROADWAYS, DRAWINGS MAY NOT SPECIFICALLY INDICATE ALL ROADWAY AREAS. VERIFY EXISTING CONDITIONS AND PROVIDE DUCTBANKS AS REQUIRED. SEE TYPICAL DETAIL 
2. THE CONTRACTOR SHALL COORDINATE WORK WITH THE UTILITY COMPANY'S CONTRACTING AND INSPECTION DIVISION (PHONE NO. 543-5668) AND WILL REQUIRE AT LEAST TEN (10) WORKING DAYS ADVANCE NOTICE FOR INSPECTION OF UTILITY COMPANY FACILITIES. UNDERGROUND DIVISION TO BREAK INTO EXISTING HANDHOLE, TEN (10) WORKING DAYS ADVANCE NOTICE IS REQUIRED PRIOR TO ENTERING HANDHOLES WITH ENERGIZED CABLES, CUSTOMER CONTRACTOR SHALL COORDINATE WORK WITH THE UTILITY COMPANY'S UNDERGROUND DIVISION (PHONE NO. 543-7345)

KUNIA INTERCHANGE



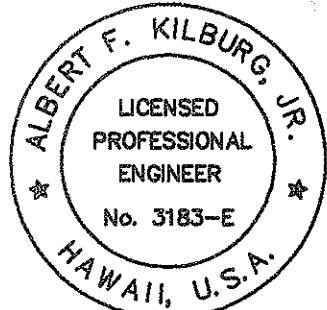
DRAWING REVIEW:
Reviewed for HECO's Facilities Only

Date: 7/14/94 By: 

Distribution Engineering Department
Hawaiian Electric Company, Inc.

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H-1 INBOUND AND H-1 OUTBOUND
SCALE: 1"=50'-0"



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DVM JOB No.: 89104.01
CAD FILE No.: E-13/2

DATE	REVISION	SHEET No. 12 OF 12 SHEETS
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PARTIAL LIGHTING PLAN - 12

INTERSTATE ROUTE H-1
PALAILAI I.C. TO KUNIA I.C.
PROJECT No. IR-H1-1(213)

SCALE: AS NOTED