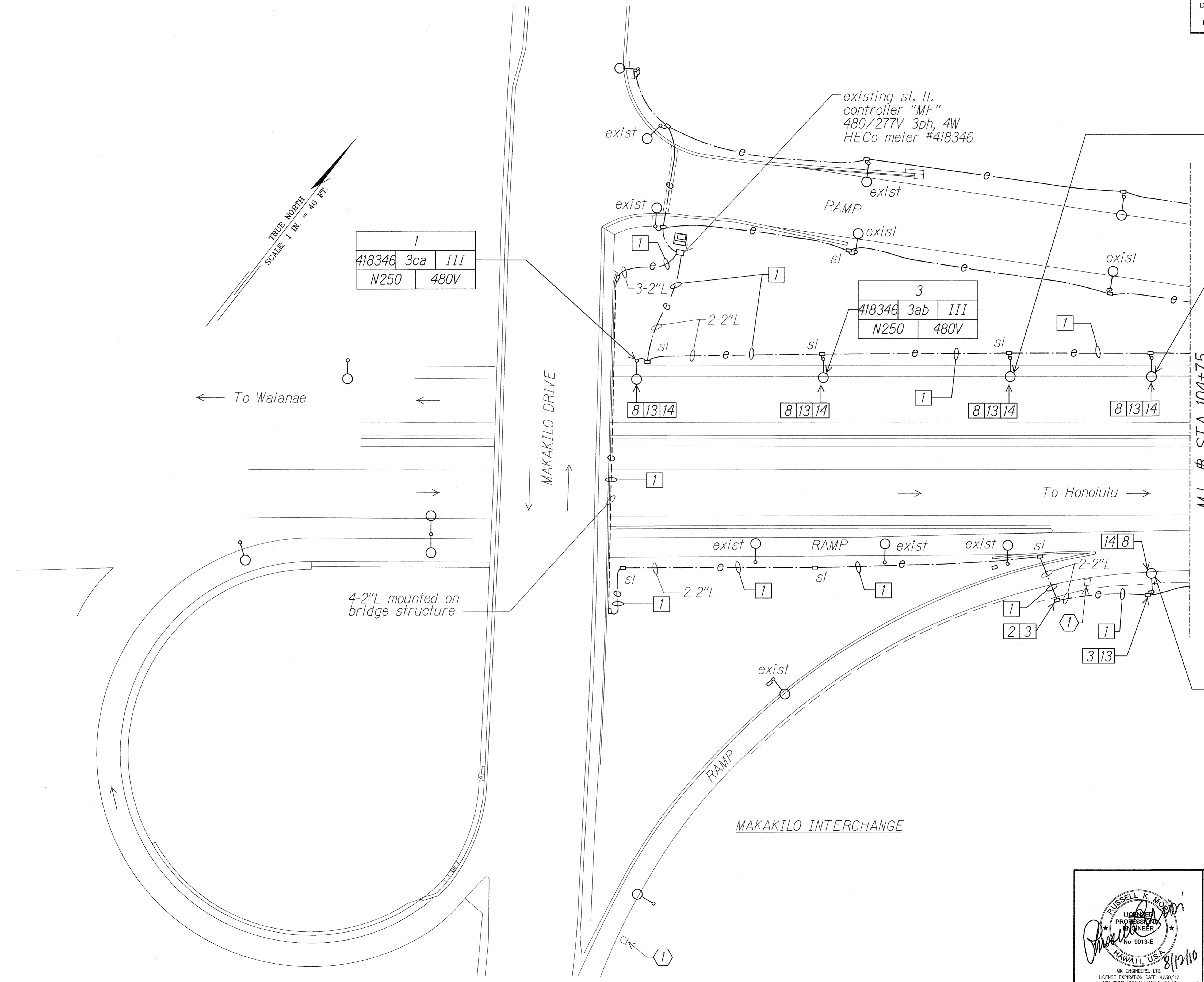


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1A/D-01-10M	2011	8	56



1
418346 3ca III
N250 480V

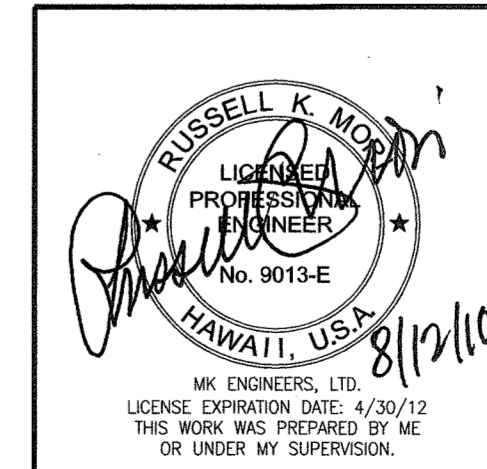
3
418346 3ab III
N250 480V

5
418346 3bc III
N250 480V

7
418346 3ca III
N250 480V

2
418346 5bc III
N250 480V

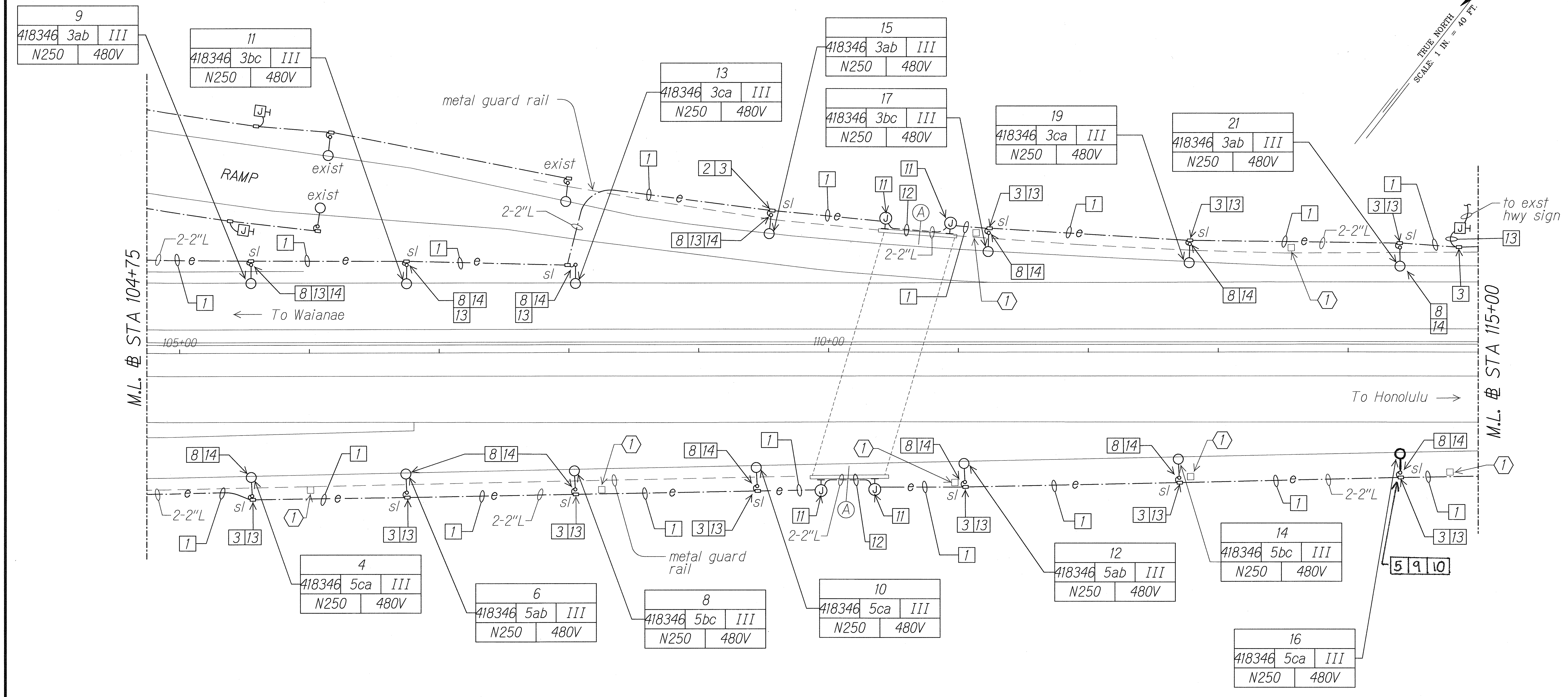
DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NOTE BOOK	_____
N.	_____



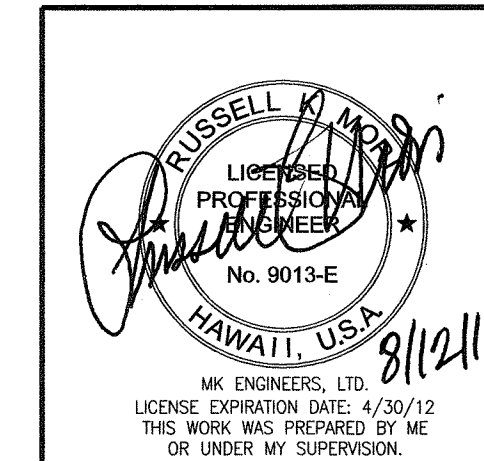
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING PLAN
STA 100+00 TO 104+75
Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. H1A/D-01-10M
Scale: 1" = 40'-0" Date: Aug. 2010

10201-E02-site.dgn 8/12/2010 10:12:54 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIA/D-01-10M	2011	9	56



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING PLAN
STA 104+75 TO 115+00

Interstate Route H-1
Freeway Lighting System Reconstructing
Makakilo Interchange to Kunia Interchange
Project No. HIA/D-01-10M

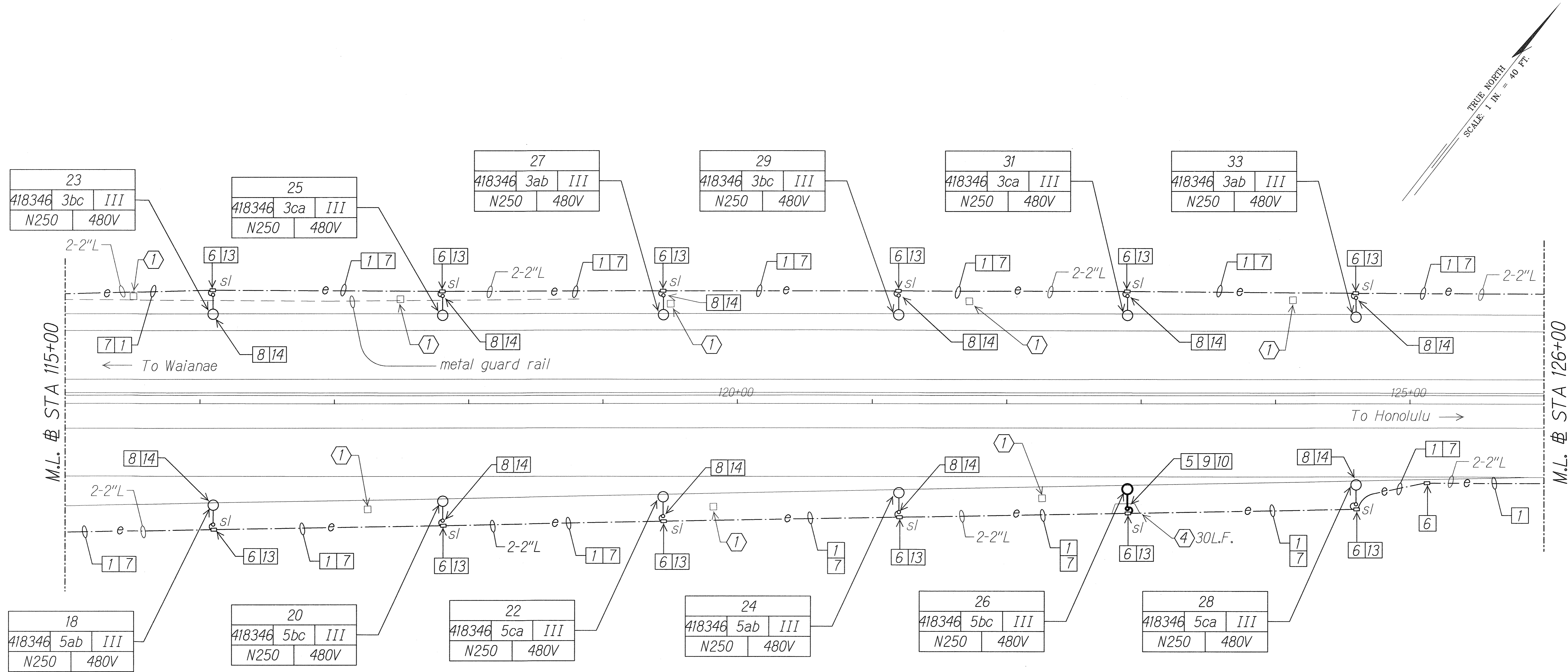
Scale: 1" = 40'-0" Date: Aug. 2010

SHEET No. E-3 OF 56 SHEETS

"AS-BUILT"

10201-EG3-siteB.dgn 8/12/2010 10:13:22 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIA/D-01-10M	2011	10	56



DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
CHECKED BY	_____
N.	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING PLAN
STA 115+00 TO 126+00

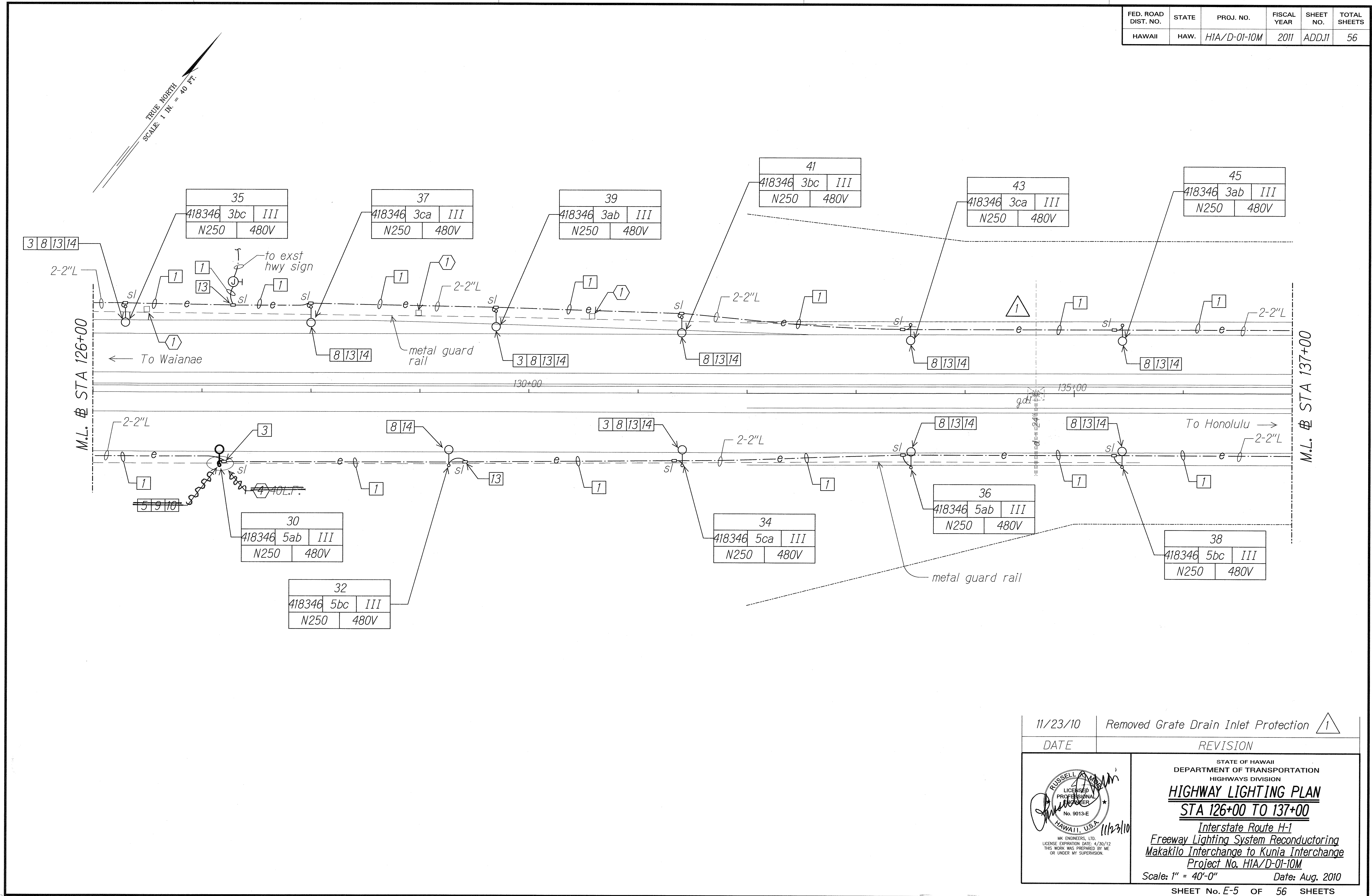
*Interstate Route H-1
Freeway Lighting System Reconductoring
Makilo Interchange to Kunia Interchange
Project No. HIA/D-01-10M*

Scale: 1" = 40'-0" Date: Aug. 2010

SHEET No. E-4 OF 56 SHEETS

10201-E04-site.cgm 6/12/2010 10:13:51 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIA/D-01-10M	2011	ADD.11	56



SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

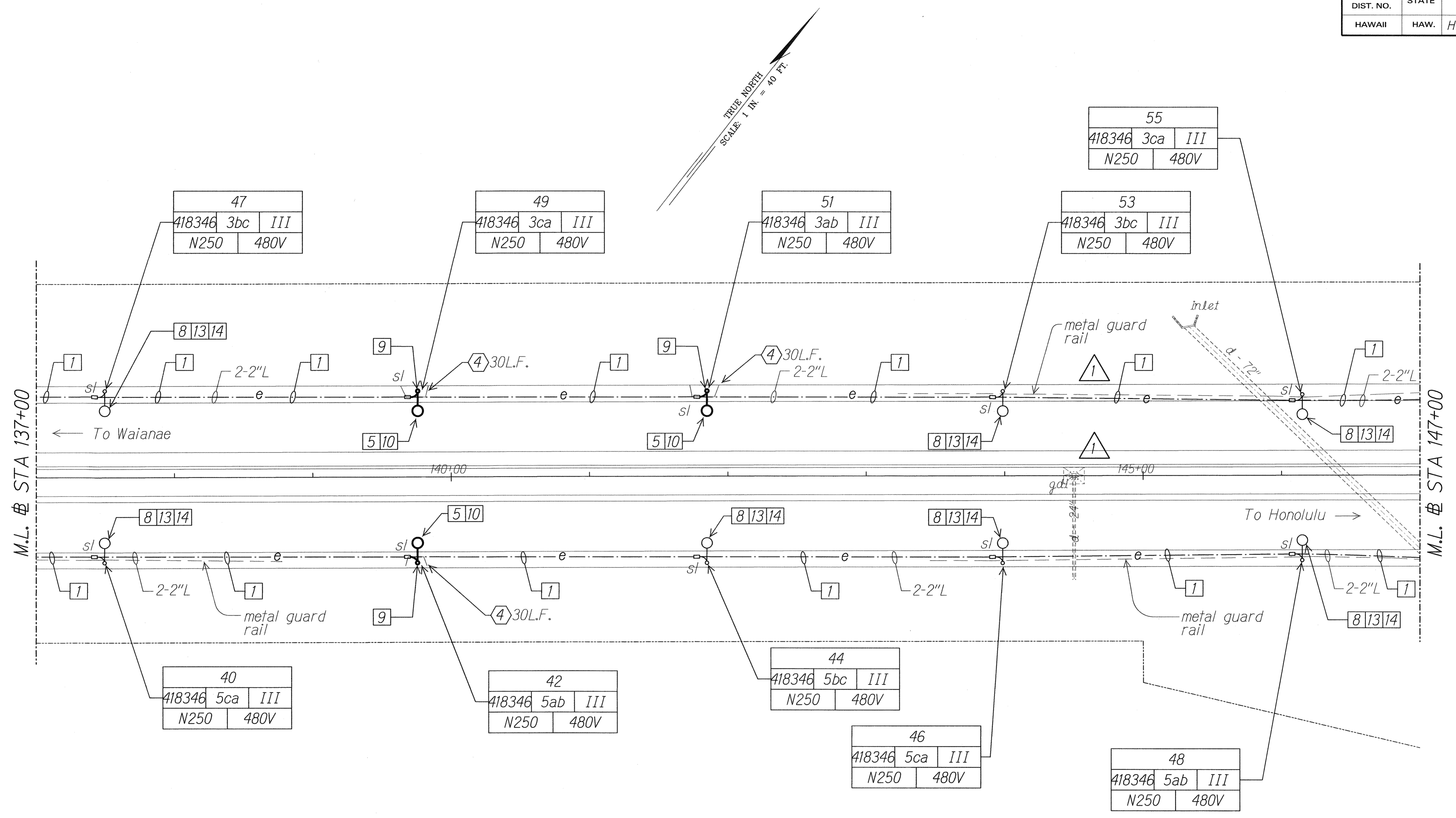
11/23/10	Removed Grate Drain Inlet Protection
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING PLAN
STA 126+00 TO 137+00
Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. HIA/D-01-10M
Scale: 1" = 40'-0" Date: Aug. 2010

"AS-BUILT"

10201-E05-site0.dgn 11/23/2010 9:30:50 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1A/D-01-10M	2011	ADD.12	56



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
N.	

11/23/10	Removed Grate Drain Inlet Protection
DATE	REVISION

RUSSELL K. MOORE
REGISTERED PROFESSIONAL ENGINEER
No. 9013-E
HAWAII, U.S.A.
11/23/10

MR. ENGINEERS, LTD.
LICENSE EXPIRATION DATE: 4/30/12
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

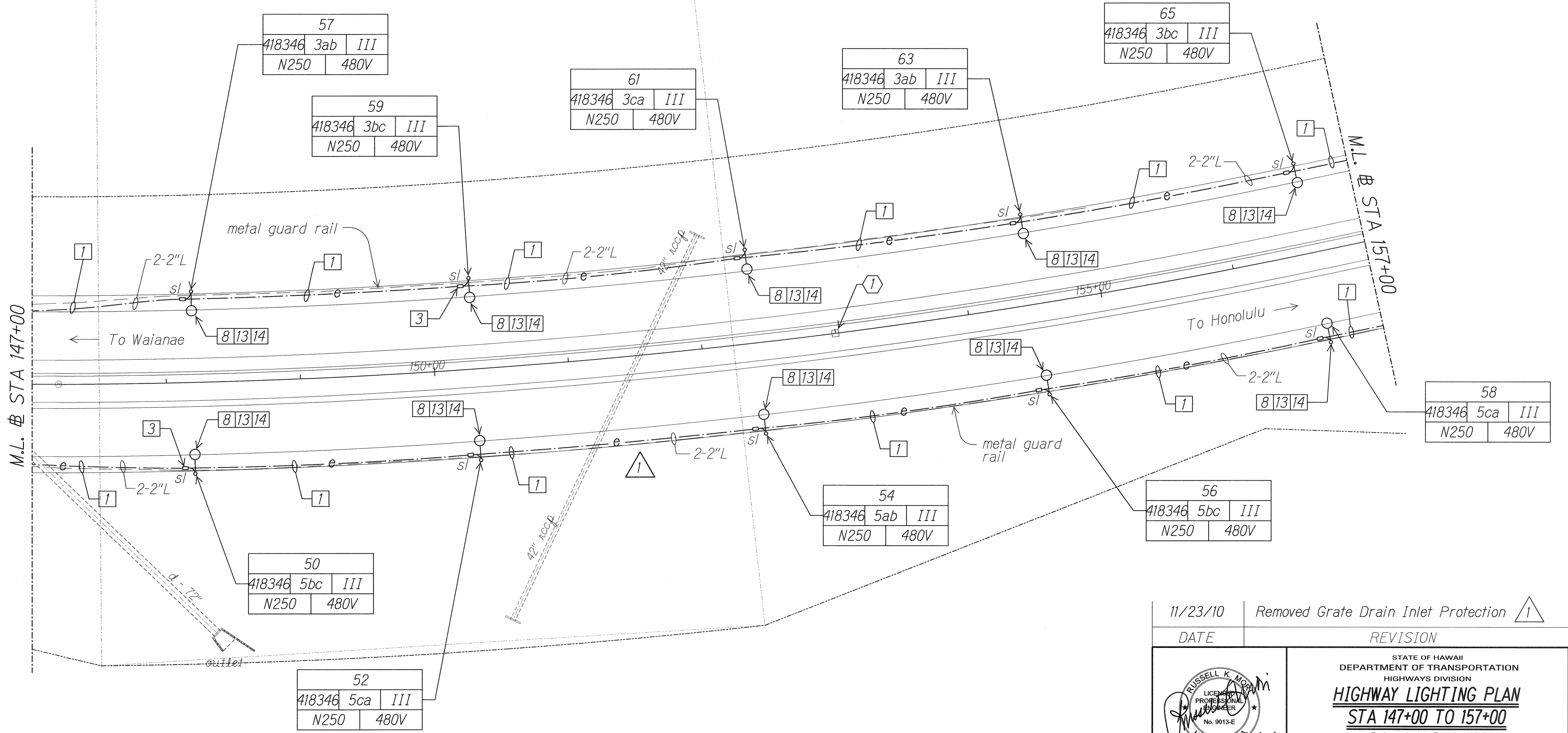
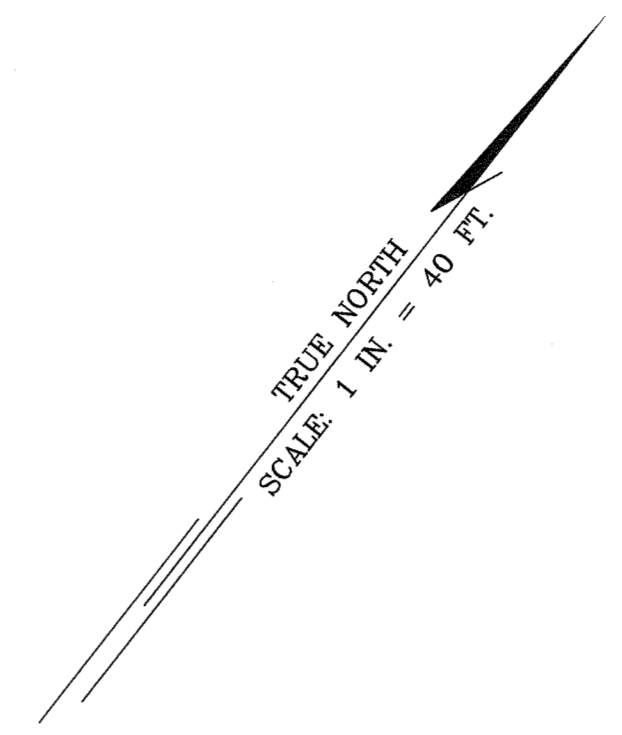
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING PLAN
STA 137+00 TO 147+00

Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. H1A/D-01-10M
Scale: 1" = 40'-0" Date: Aug. 2010

10201-E06-siteE.dgn 11/23/2010 12:26:57 PM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1A/D-01-10M	2011	ADD.13	56



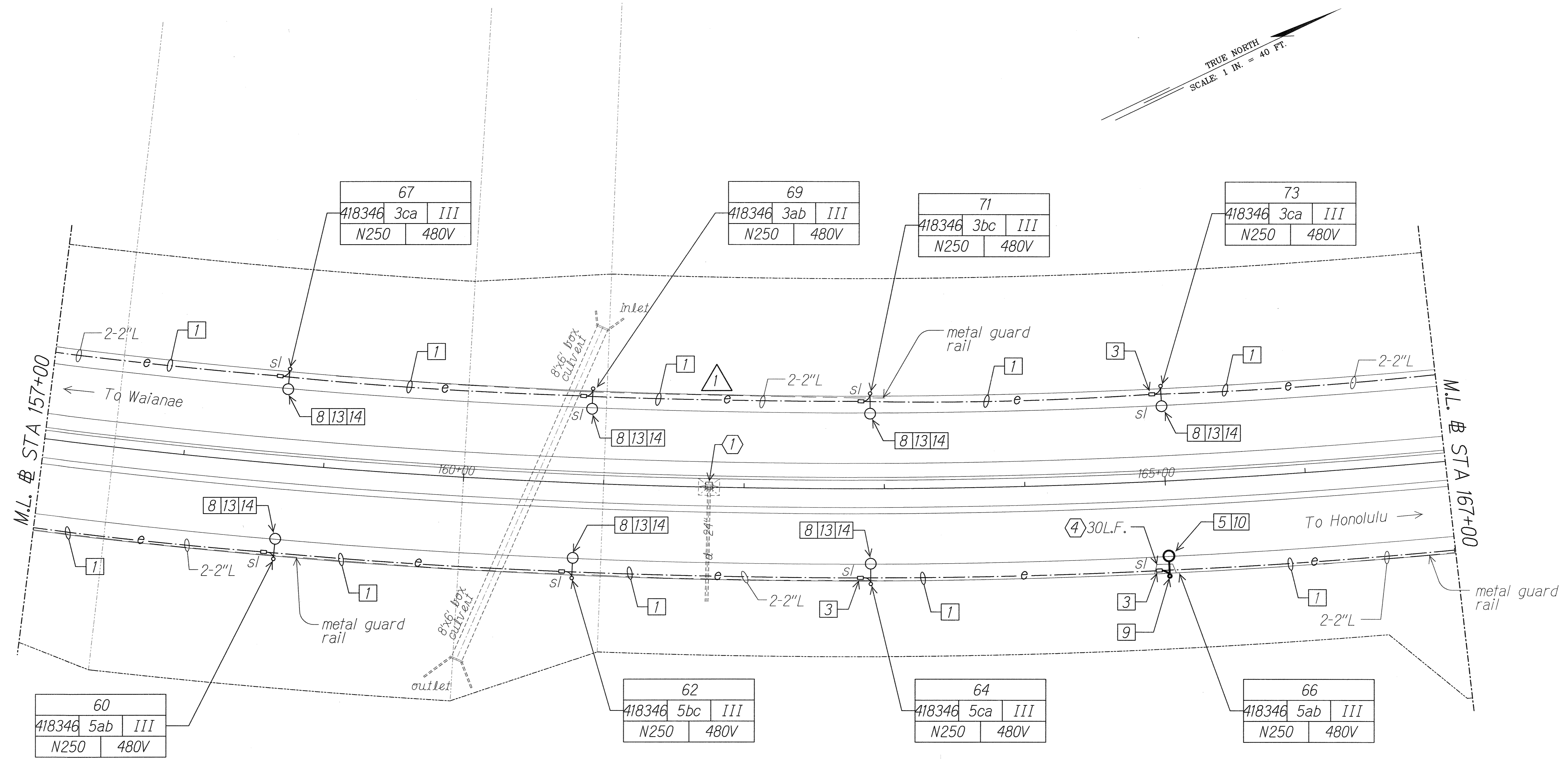
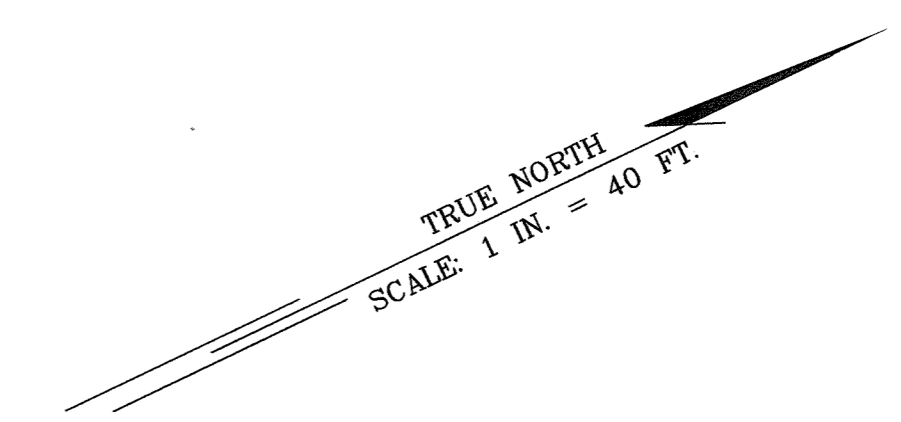
DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
NOTE BOOK	_____
QUANTITIES BY	_____
CHECKED BY	_____
N.	_____

11/23/10	Removed Grate Drain Inlet Protection
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING PLAN
STA 147+00 TO 157+00
Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. H1A/D-01-10M
Scale: 1" = 40'-0" Date: Aug. 2010

10201-E07-st1ef.dgn 11/23/2010 9:35:39 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1A/D-01-10M	2011	ADD.14	56



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

11/23/10	Removed Grate Drain Inlet Protection
DATE	REVISION

WK ENGINEERS, LTD.
LICENSE EXPIRATION DATE: 4/30/12
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

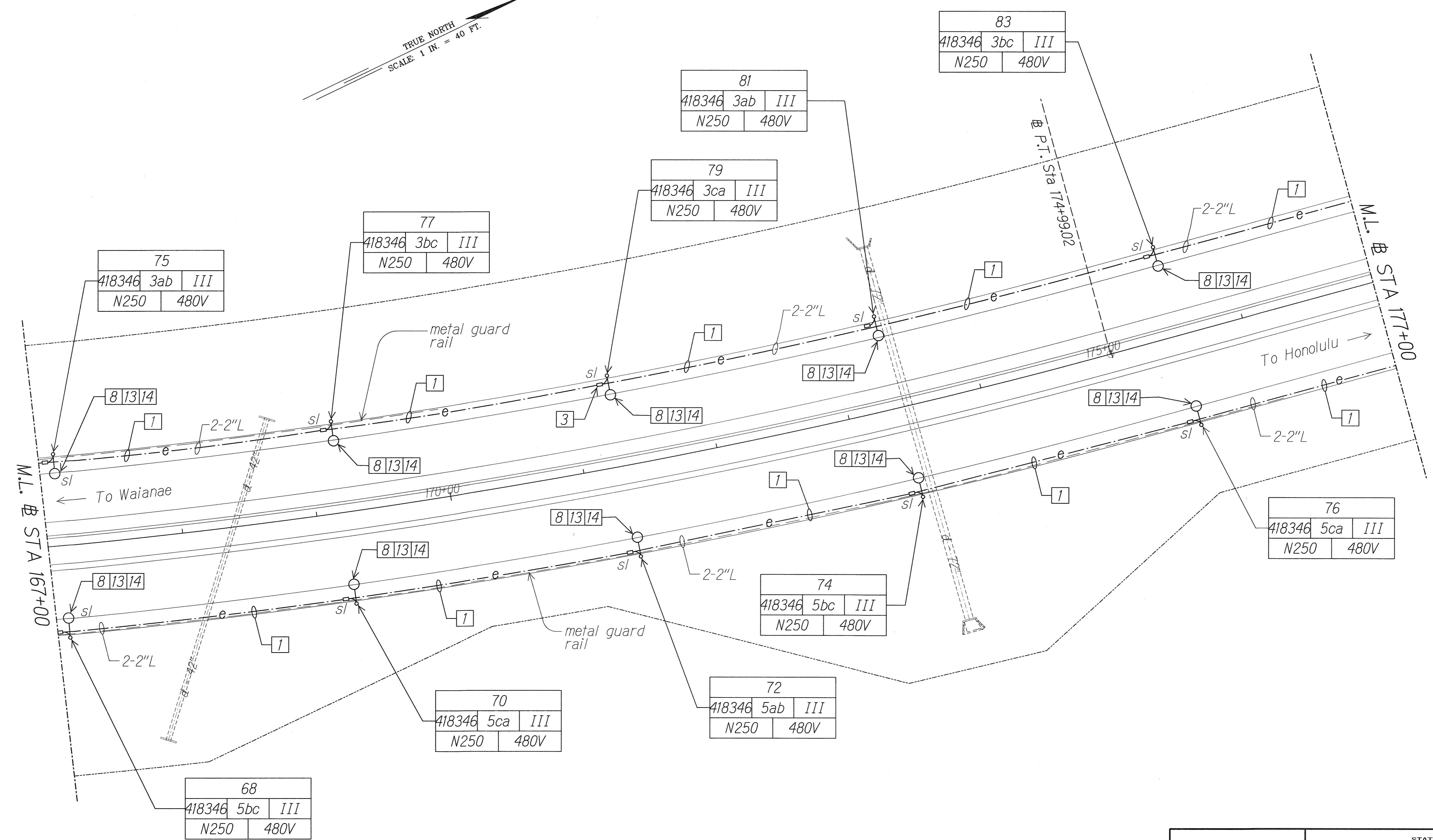
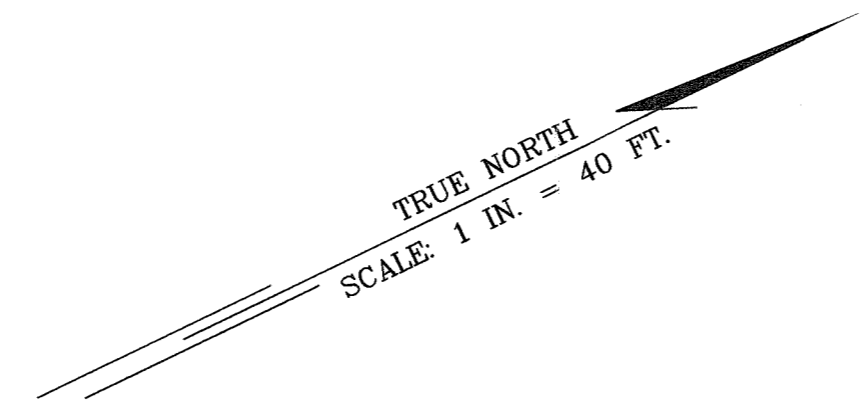
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING PLAN
STA 157+00 TO 167+00

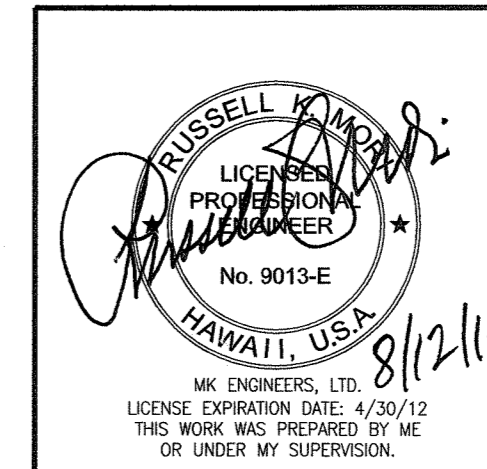
Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. H1A/D-01-10M
Scale: 1" = 40'-0" Date: Aug. 2010

10201-E08-site6.dgn 11/23/2010 9:36:25 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1A/D-01-10M	2011	15	56

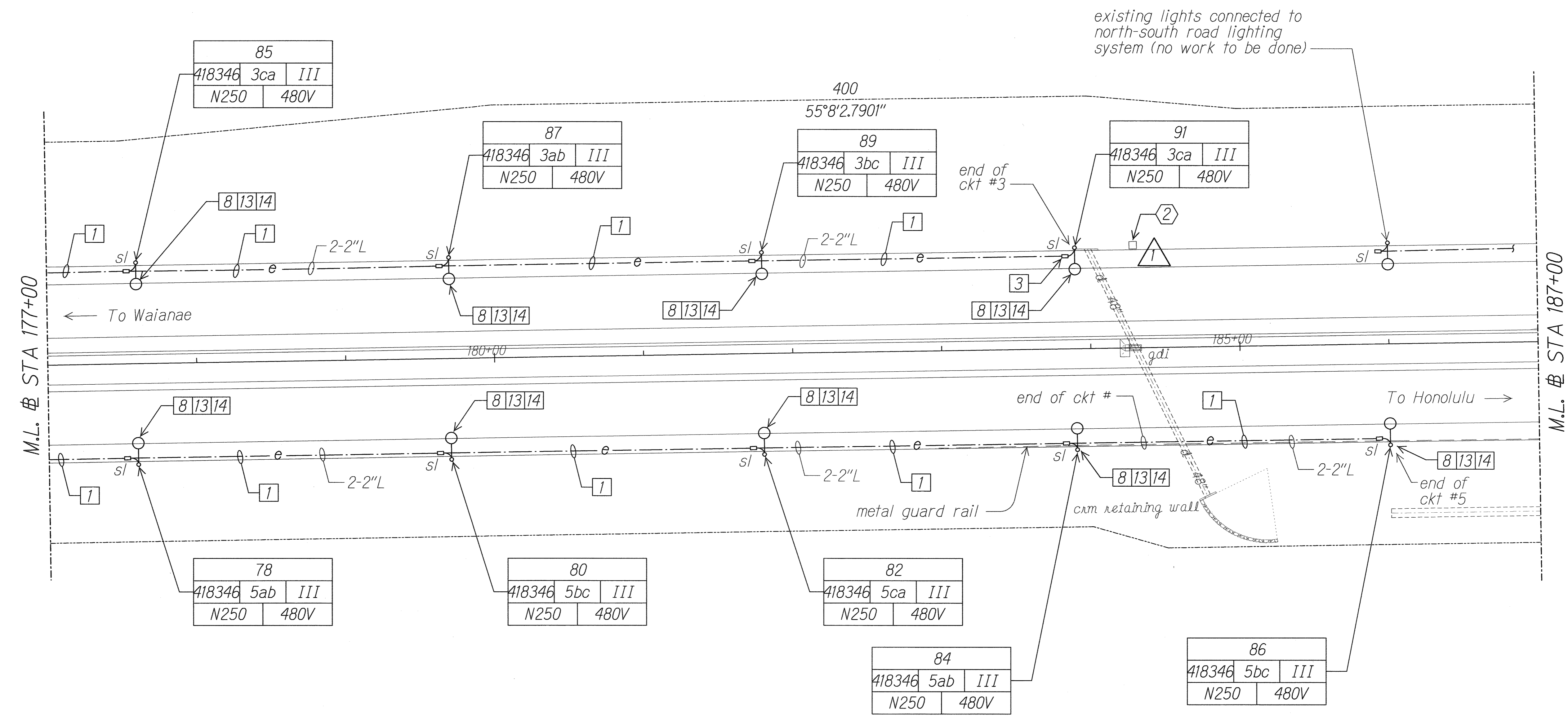
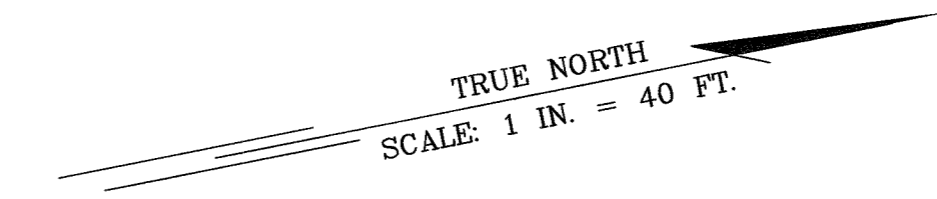


SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
N.	



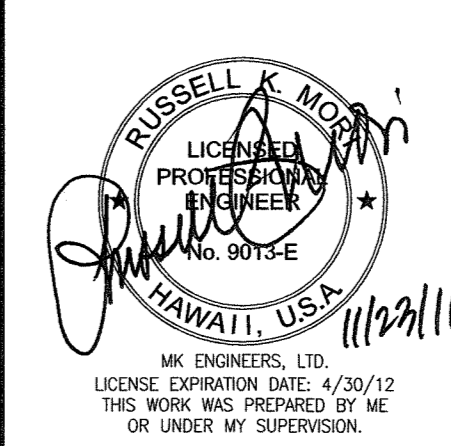
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING PLAN
STA 167+00 TO 177+00
Interstate Route H-1
Freeway Lighting System Reconductoring
Makilo Interchange to Kunia Interchange
Project No. H1A/D-01-10M
Scale: 1" = 40'-0" Date: Aug. 2010
SHEET No. E-9 OF 56 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1A/D-01-10M	2011	ADD.16	56



DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
N.	_____

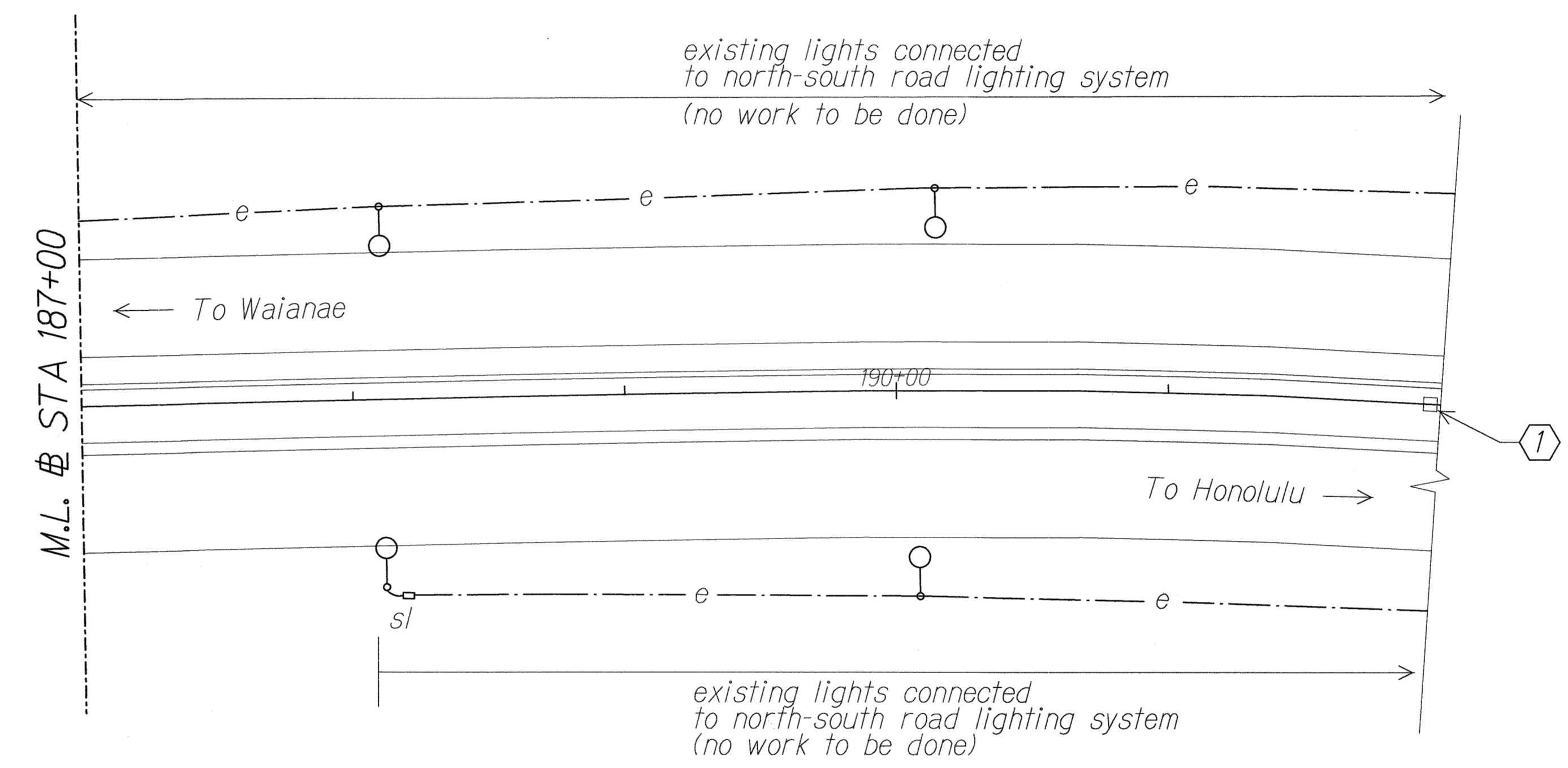
11/23/10	Changed Grate Drain Inlet Protection #1 to Drain Inlet Protection #2
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION HIGHWAY LIGHTING PLAN STA 177+00 TO 187+00 Interstate Route H-1 Freeway Lighting System Reconductoring Makakilo Interchange to Kunia Interchange Project No. H1A/D-01-10M Scale: 1" = 40'-0" Date: Aug. 2010	
SHEET No. E-10 OF 56 SHEETS	



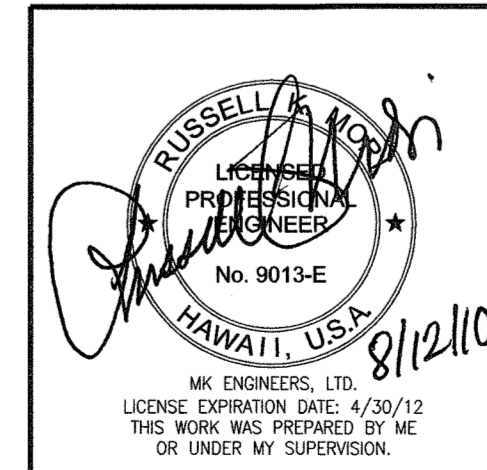
10201-E10-site1.dgn 11/23/2010 9:37:27 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIA/D-01-10M	2011	17	56

TRUE NORTH
SCALE: 1 IN. = 40 FT.

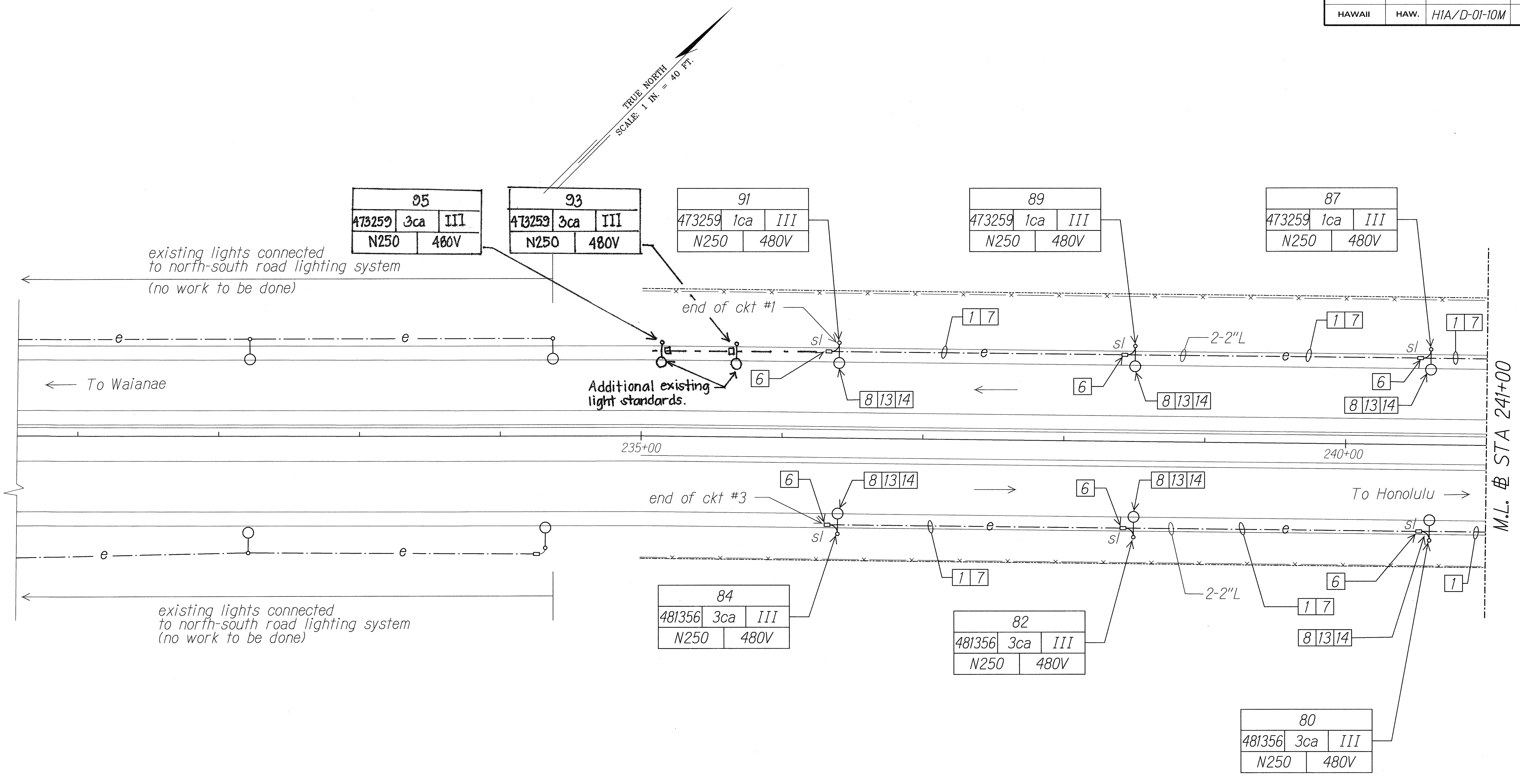


ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

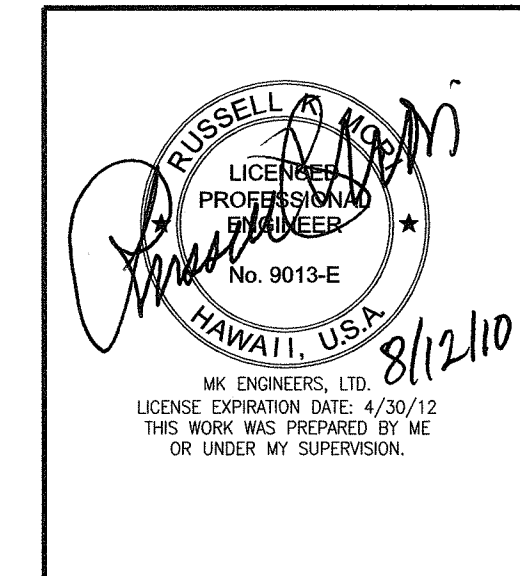


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING PLAN
STA 187+00
Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. HIA/D-01-10M
Scale: 1" = 40'-0" Date: Aug. 2010

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIA/D-01-10M	2011	18	56



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
NOTE BOOK	
CHECKED BY	

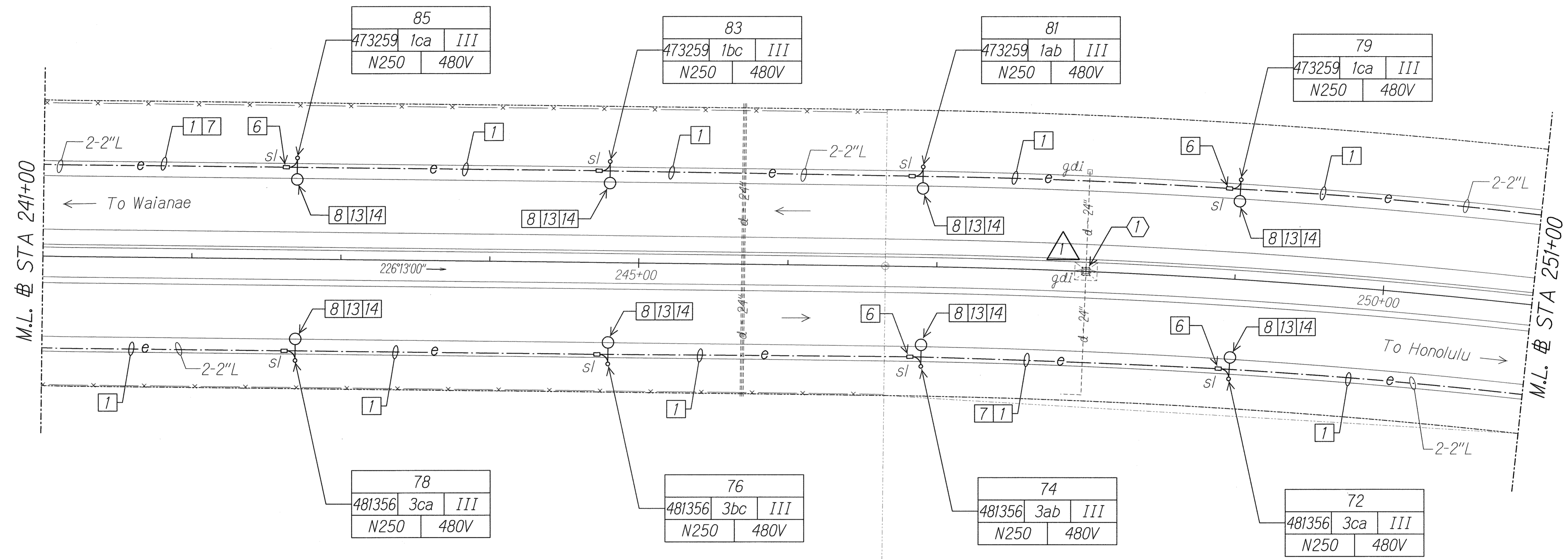
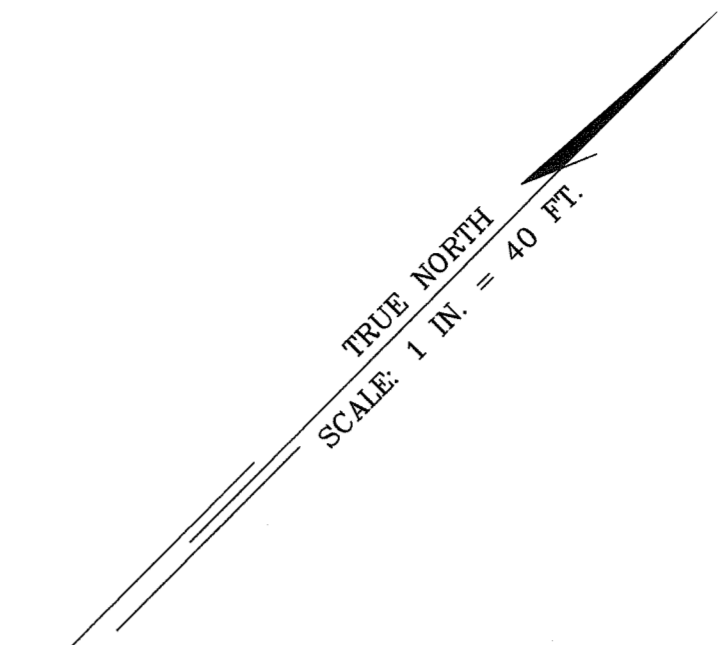


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING PLAN
STA 235+00 TO 241+00
*Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. HIA/D-01-10M*
Scale: 1" = 40'-0" Date: Aug. 2010

"AS-BUILT"

SHEET No. E-12 OF 56 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1A/D-01-10M	2011	ADD.19	56



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

11/23/10	Added Grate Drain Inlet Protection
DATE	REVISION

WK ENGINEERS, LTD.
LICENSE EXPIRATION DATE: 4/30/12
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

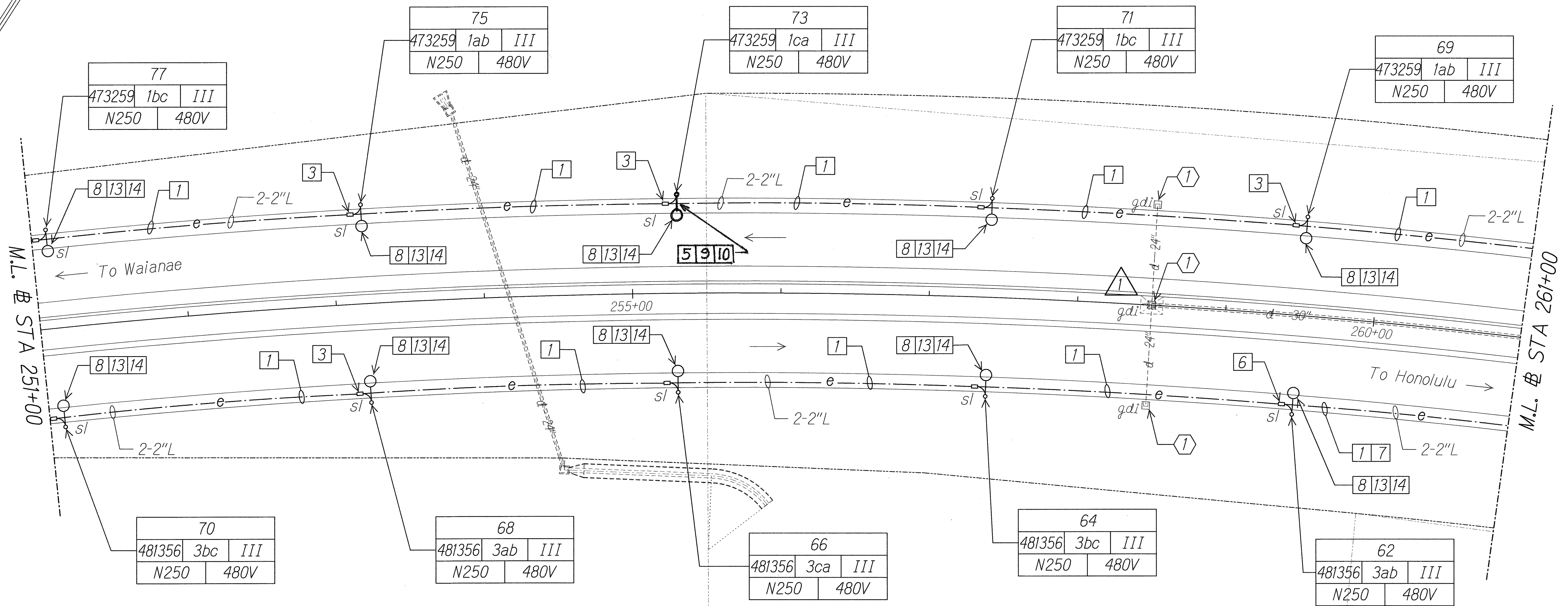
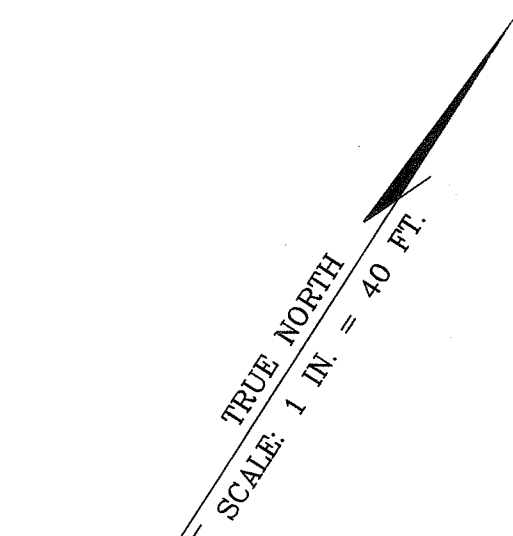
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING PLAN
STA 241+00 TO 251+00

Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. H1A/D-01-10M
Scale: 1" = 40'-0" Date: Aug. 2010

10201-E13-stitel.dgn 11/23/2010 9:38:19 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIA/D-01-10M	2011	ADD.20	56



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

11/23/10	Added Gate Drain Inlet Protection
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING PLAN
STA 251+00 TO 261+00

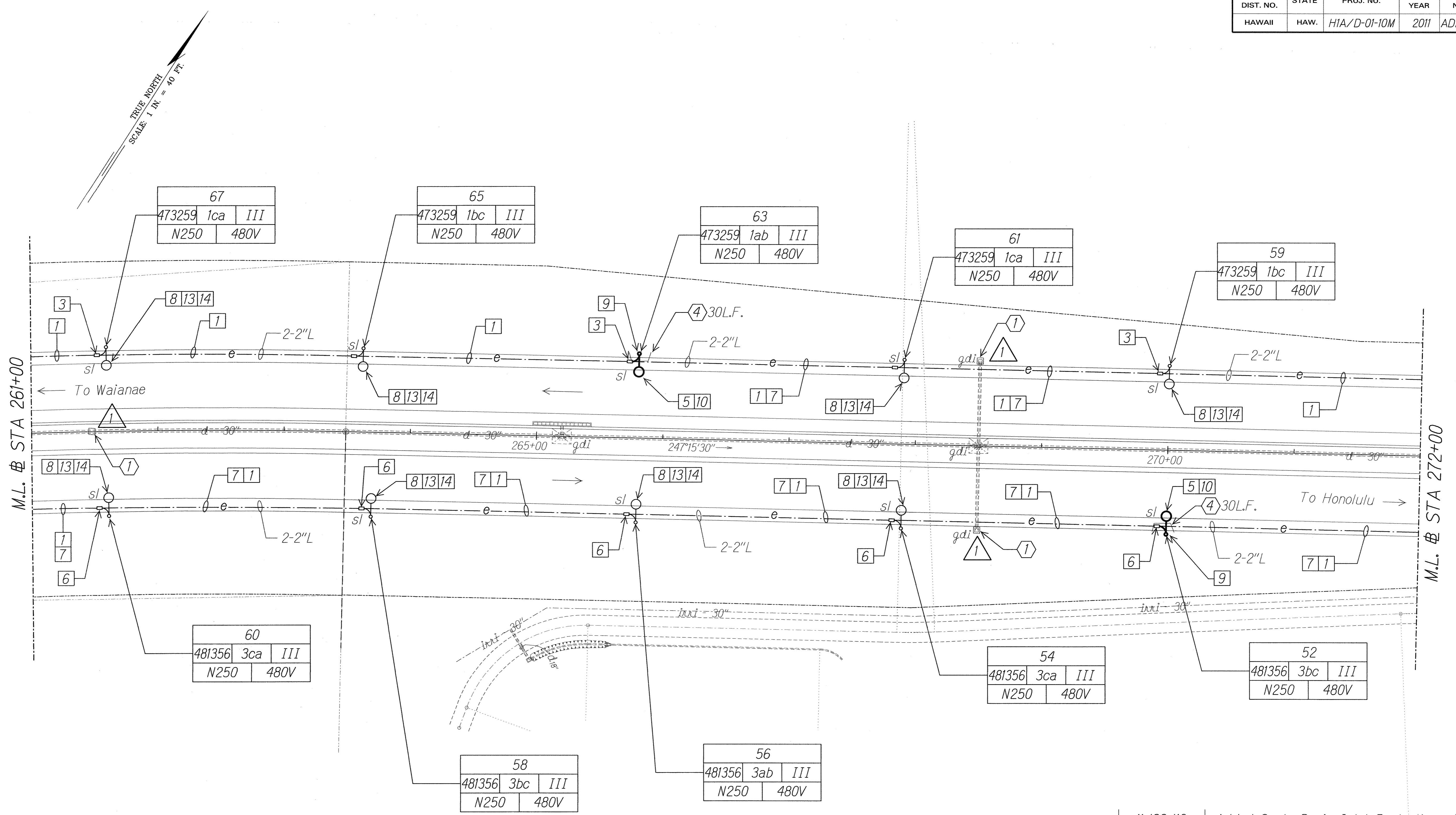
Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. HIA/D-01-10M

Scale: 1" = 40'-0" Date: Aug. 2010

"AS-BUILT"

10201-E14-S11EM.dgn 11/23/2010 9:39:06 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIA/D-01-10M	2011	ADD.21	56



ORIGINAL PLAN
DATE
DRAWN BY
CHECKED BY
NOTE BOOK
QUANTITIES BY
CHECKED BY
N.

11/23/10	Added Grate Drain Inlet Protection	1
DATE	REVISION	

RUSSELL K. MORAN
LICENSED PROFESSIONAL ENGINEER
No. 9013-E
HAWAII, U.S.A.
11/23/10

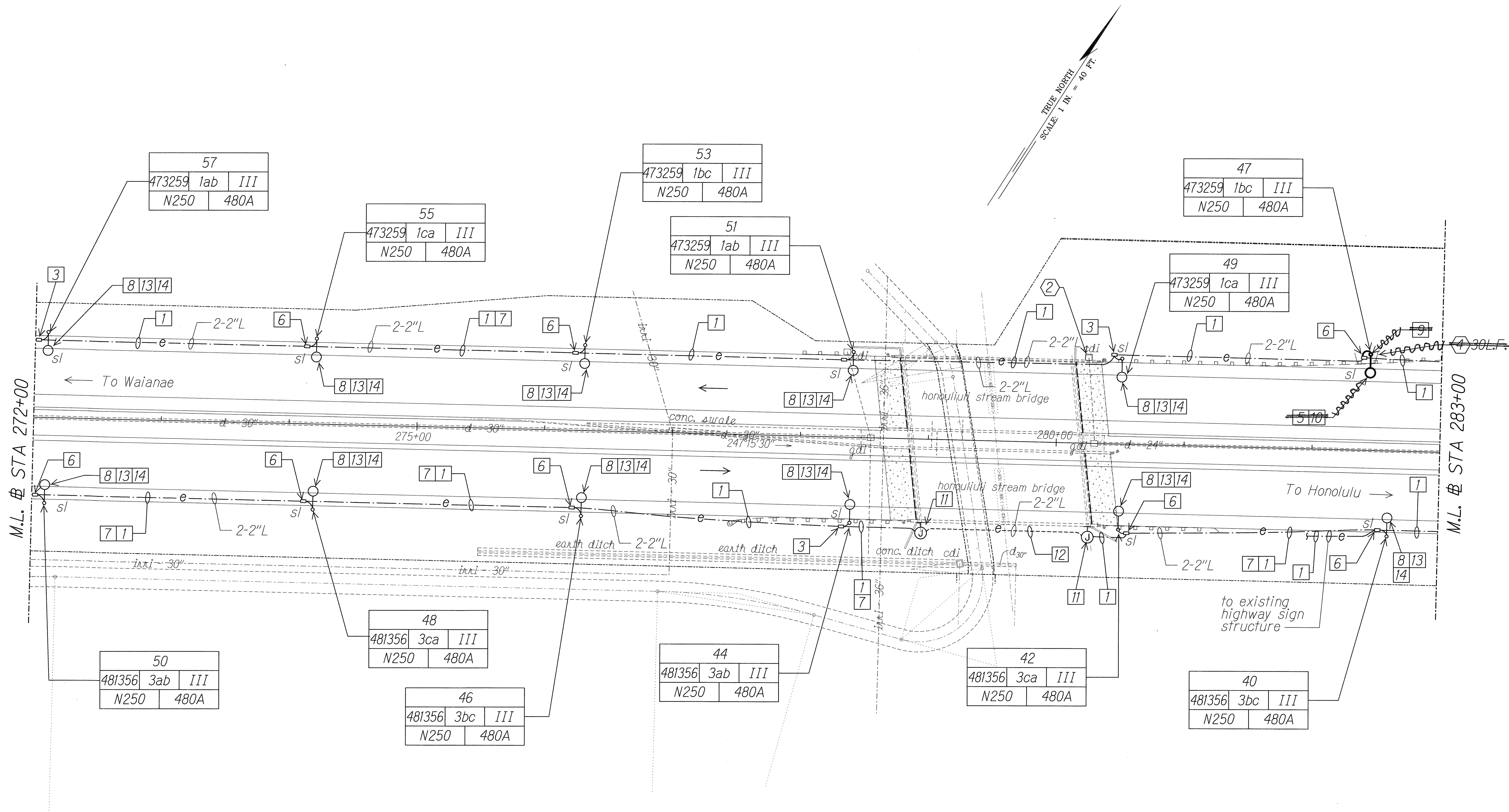
MK ENGINEERS, LTD.
LICENSE EXPIRATION DATE: 4/30/12
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING PLAN
STA 261+00 TO 272+00

Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. HIA/D-01-10M
Scale: 1" = 40'-0" Date: Aug. 2010
SHEET No. E-15 OF 56 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIA/D-01-10M	2011	22	56



DATE	BY
DESIGNED BY	
DRAWN BY	
CHECKED BY	
IN CHARGE	
PROJECT NO.	
SHEET NO.	
TOTAL SHEETS	

RUSSELL K. MOORE
LICENSED PROFESSIONAL ENGINEER
No. 9013-E
HAWAII, U.S.A.
8/12/10

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING PLAN
STA 272+00 TO 283+00

Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. HIA/D-01-10M

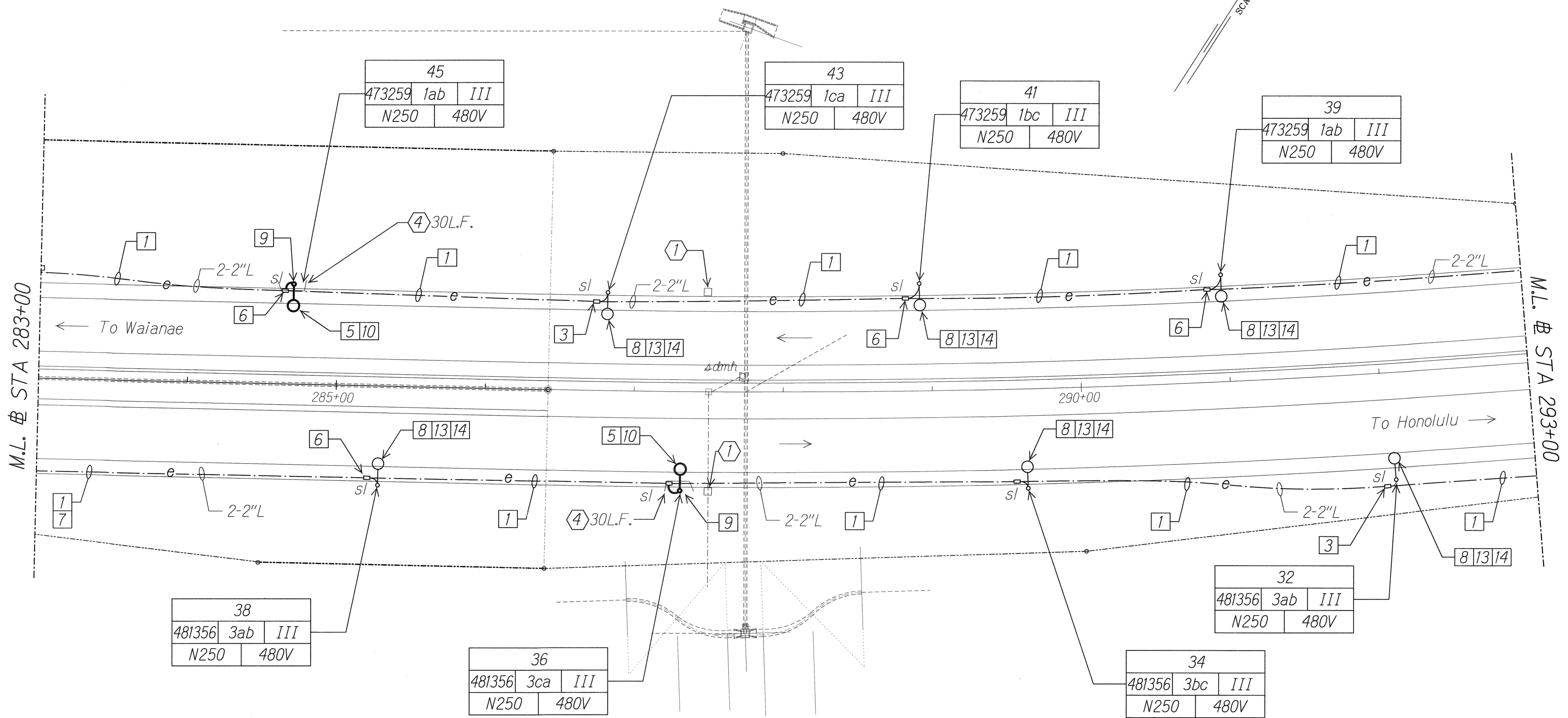
Scale: 1" = 40'-0" Date: Aug. 2010

"AS-BUILT"

10201-E16-site0.dgn 8/12/2010 10:19:55 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1A/D-01-10M	2011	23	56

TRUE NORTH
SCALE: 1 IN. = 40 FT.



M.L. # STA 283+00

M.L. # STA 293+00

38
481356 3ab III
N250 480V

36
481356 3ca III
N250 480V

32
481356 3ab III
N250 480V

34
481356 3bc III
N250 480V

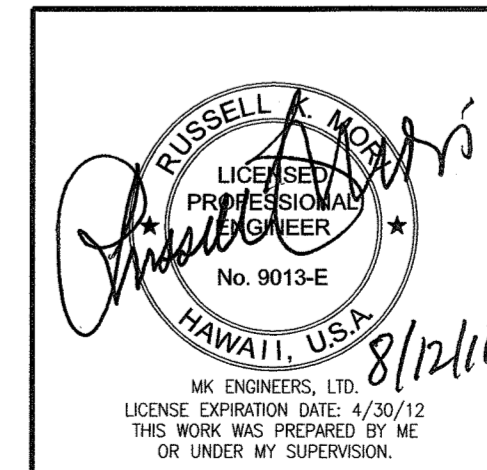
45
473259 1ab III
N250 480V

43
473259 1ca III
N250 480V

41
473259 1bc III
N250 480V

39
473259 1ab III
N250 480V

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
N.	

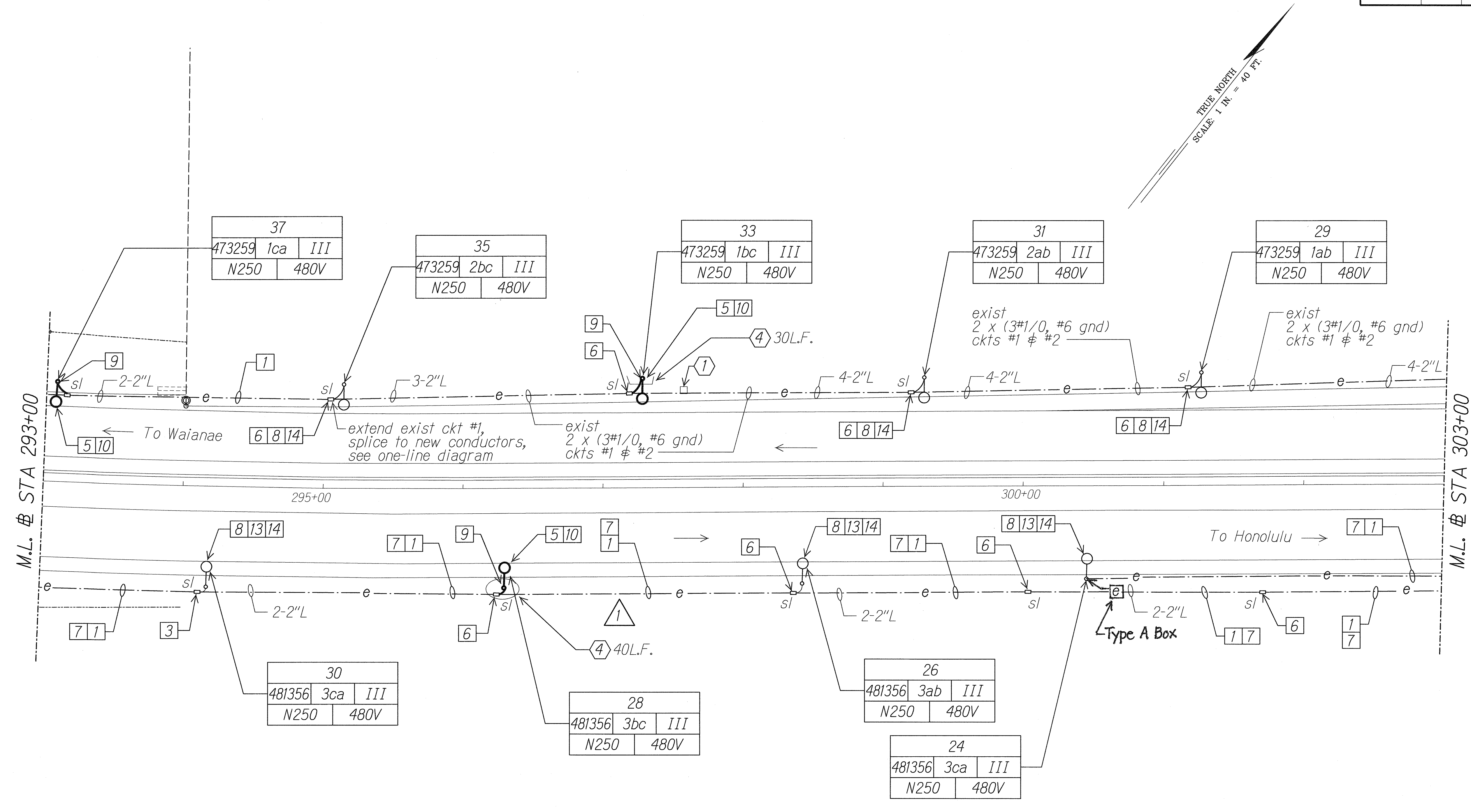


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING PLAN
STA 283+00 TO 293+00
Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. H1A/D-01-10M
Scale: 1" = 40'-0" Date: Aug. 2010

SHEET No. E-17 OF 56 SHEETS

102001-E-17-s1.epl.dgn 8/12/2010 10:25:17 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIA/D-01-10M	2011	ADD.24	56



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

11/23/10	Removed Gate Drain Inlet Protection
DATE	REVISION

RUSSELL K. MORAN
LICENSED PROFESSIONAL ENGINEER
No. 9013-E
HAWAII, U.S.A. 11/23/10

MR. ENGINEERS, LTD.
LICENSE EXPIRATION DATE: 4/30/12
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING PLAN
STA 293+00 TO 303+00

Interstate Route H-1
Freeway Lighting System Reconstructing
Makakilo Interchange to Kunia Interchange
Project No. HIA/D-01-10M

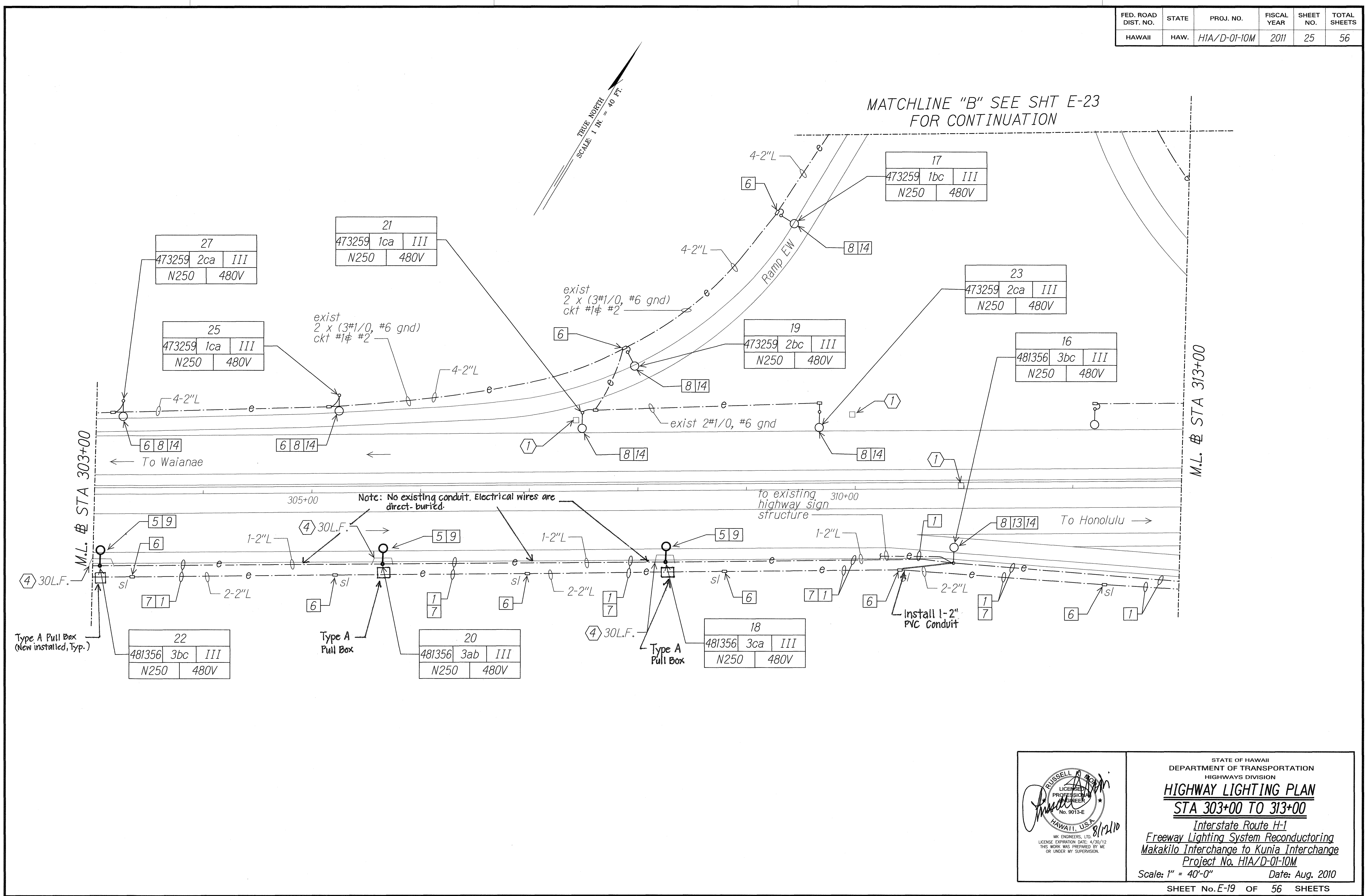
Scale: 1" = 40'-0" Date: Aug. 2010

"AS-BUILT"

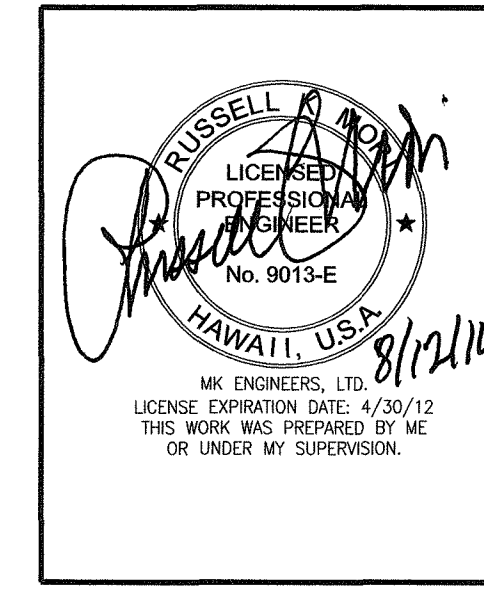
ADD.24

SHEET No. E-18 OF 56 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIA/D-01-10M	2011	25	56



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING PLAN
STA 303+00 TO 313+00

*Interstate Route H-1
Freeway Lighting System Reconstructing
Makakilo Interchange to Kunia Interchange
Project No. HIA/D-01-10M*

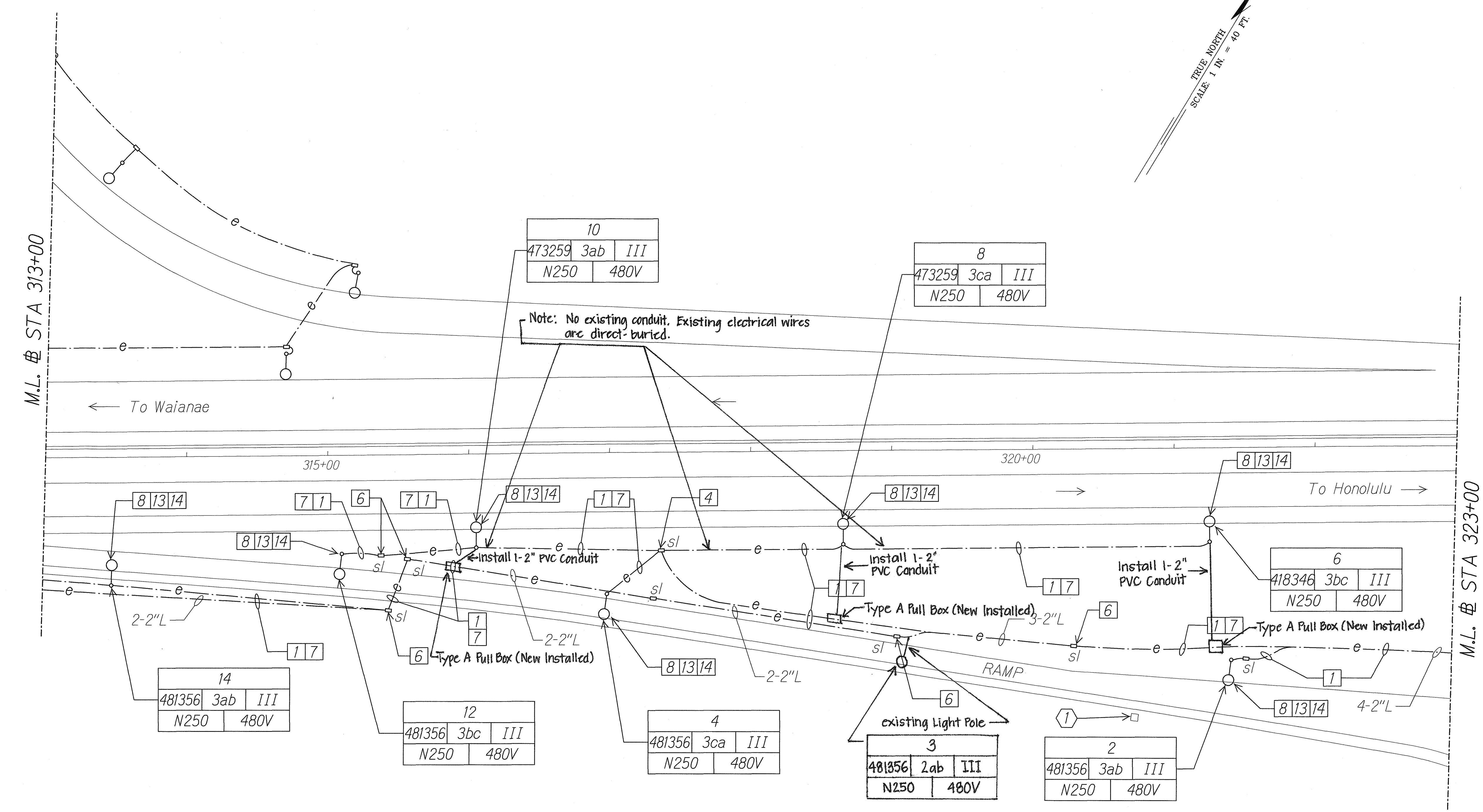
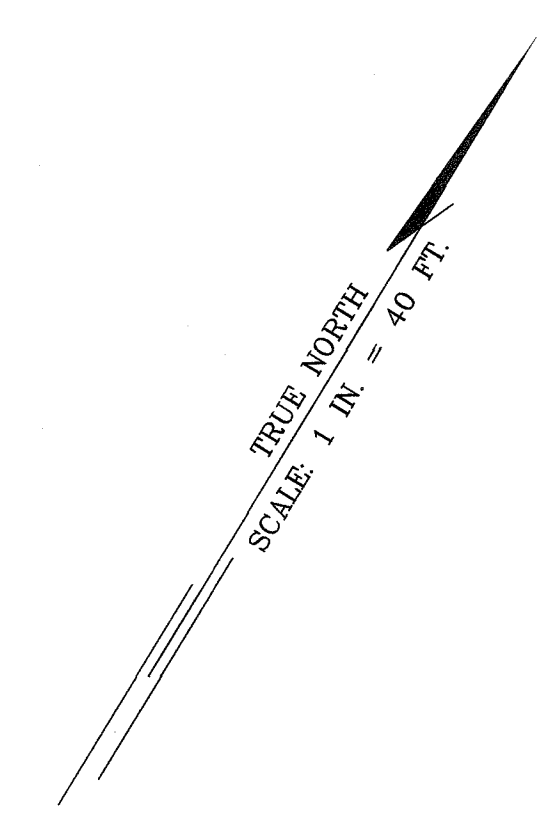
Scale: 1" = 40'-0" Date: Aug. 2010

SHEET No. E-19 OF 56 SHEETS

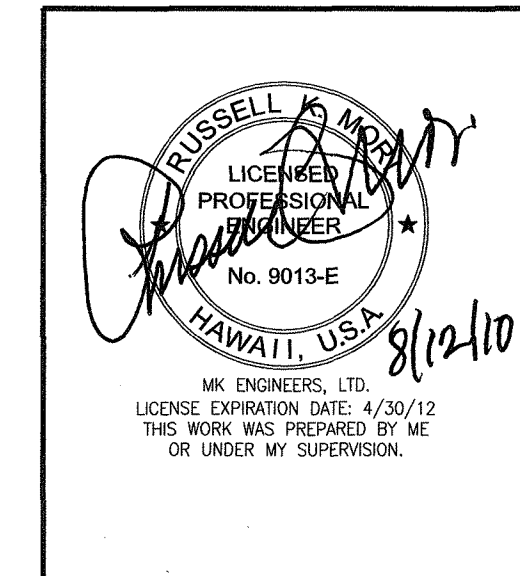
"AS-BUILT"

10201-E19-siter.dgn 8/12/2010 10:26:20 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIA/D-01-10M	2011	26	56



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

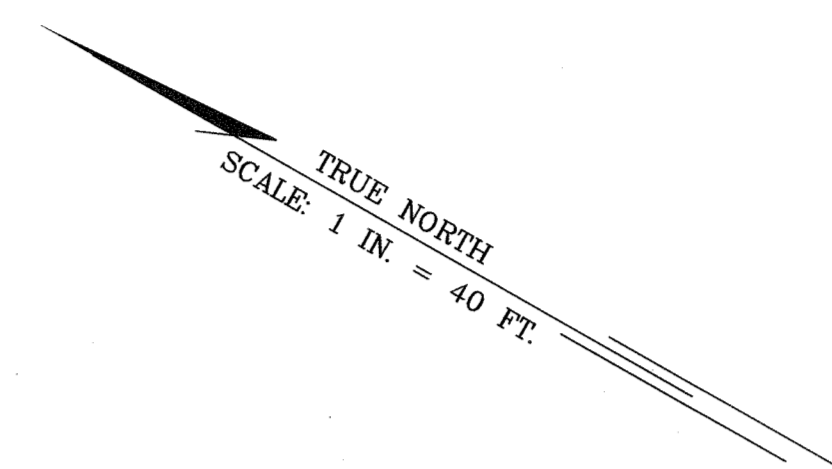


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING PLAN
STA 313+00 TO 323+00
Interstate Route H-1
Freeway Lighting System Reconstructing
Makakilo Interchange to Kunia Interchange
Project No. HIA/D-01-10M
Scale: 1" = 40'-0" Date: Aug. 2010
SHEET No. E-20 OF 56 SHEETS

"AS-BUILT"

10201-E20-site1.dgn 8/12/2010 10:26:59 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIA/D-01-10M	2011	27	56



MATCHLINE "D" SEE SHT E-24 FOR CONTINUATION

← To Kunia (Kunia Road)

← To Waiānae

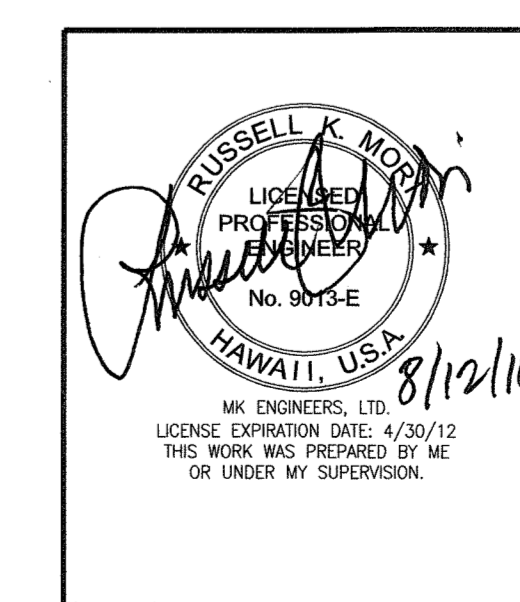
→ To Honolulu

325+00

M.L. @ STA 323+00

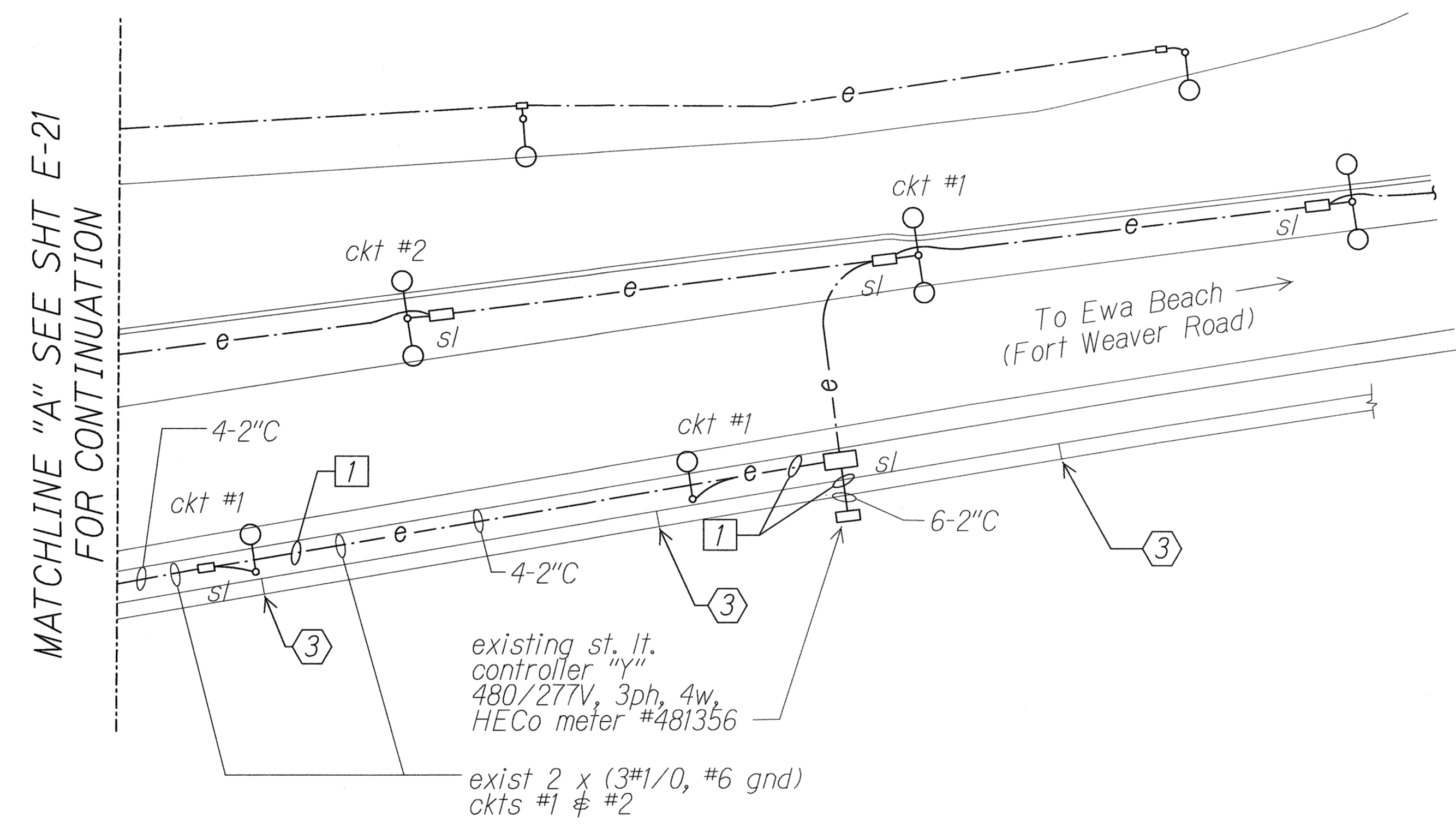
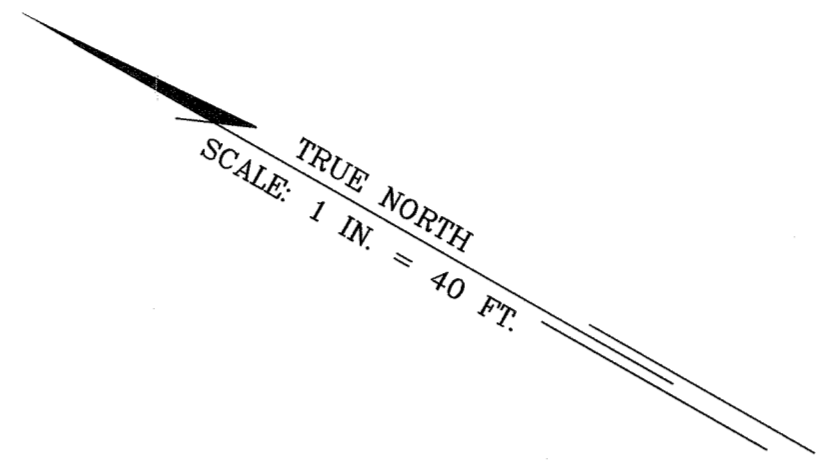
MATCHLINE "A" SEE SHT E-22 FOR CONTINUATION

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
N.	

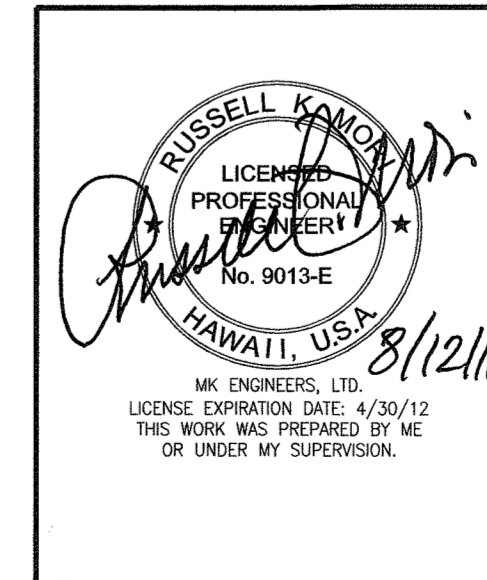


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING PLAN
STA 323+00
Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. HIA/D-01-10M
Scale: 1" = 40'-0" Date: Aug. 2010
SHEET No. E-21 OF 56 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1A/D-01-10M	2011	28	56



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	



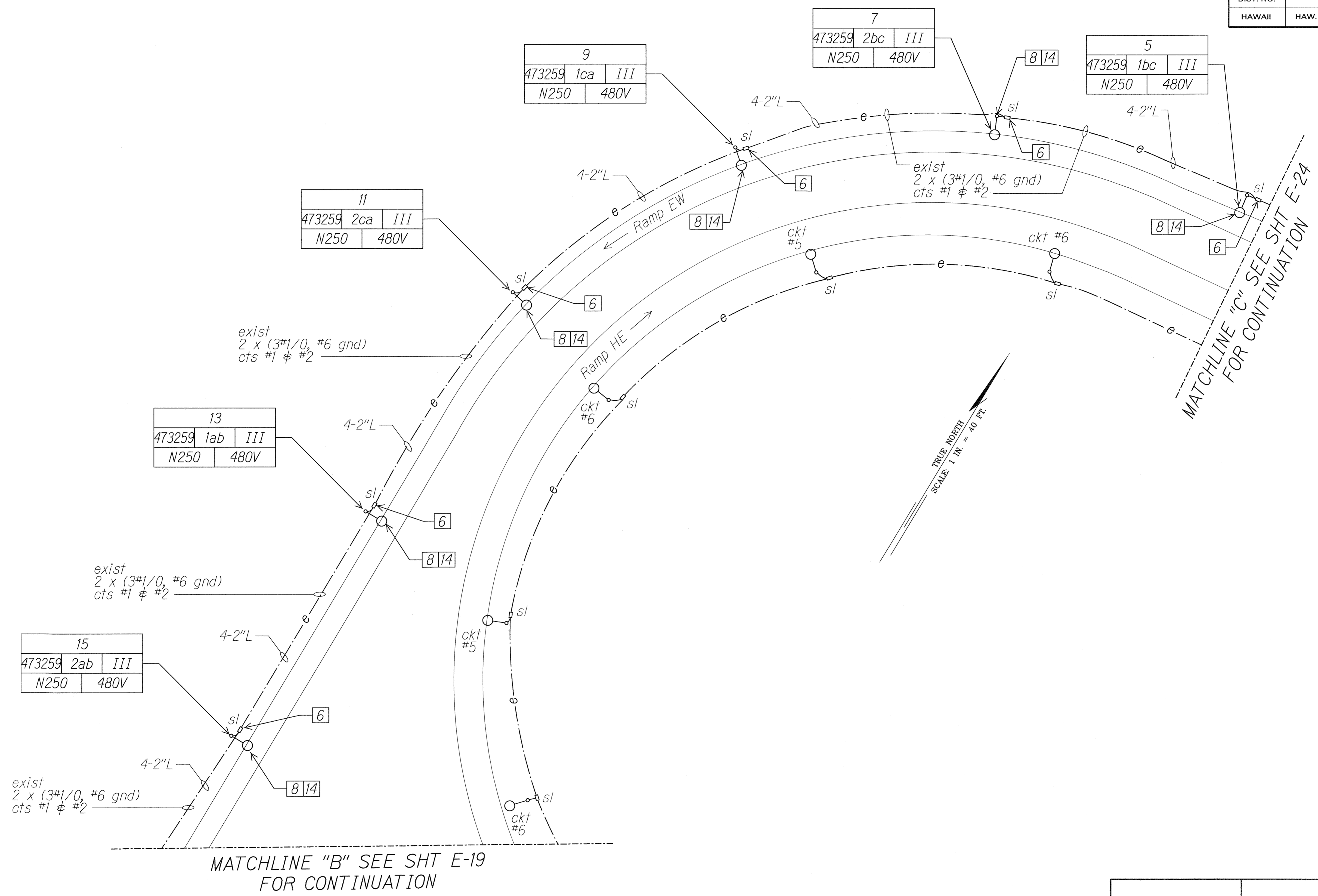
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING PLAN

*Interstate Route H-1
Freeway Lighting System Reconductoring
Makakilo Interchange to Kunia Interchange
Project No. H1A/D-01-10M*

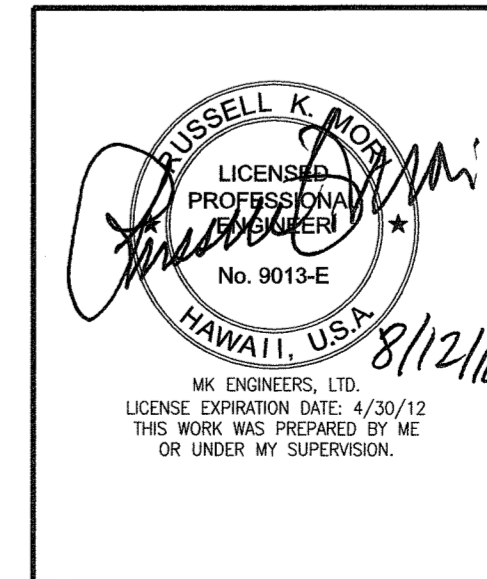
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10201-E22-st1etk.dgn 8/12/2010 10:32:11 AM

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIA/D-01-10M	2011	29	56



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
CHECKED BY	
N.	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING PLAN

*Interstate Route H-1
Freeway Lighting System Reconductoring
Makilo Interchange to Kunia Interchange
Project No. HIA/D-01-10M*

Scale: 1" = 40'-0" Date: Aug. 2010
SHEET No. E-23 OF 56 SHEETS

10201-E23-site6.dgn 6/12/2010 10:32:37 AM

