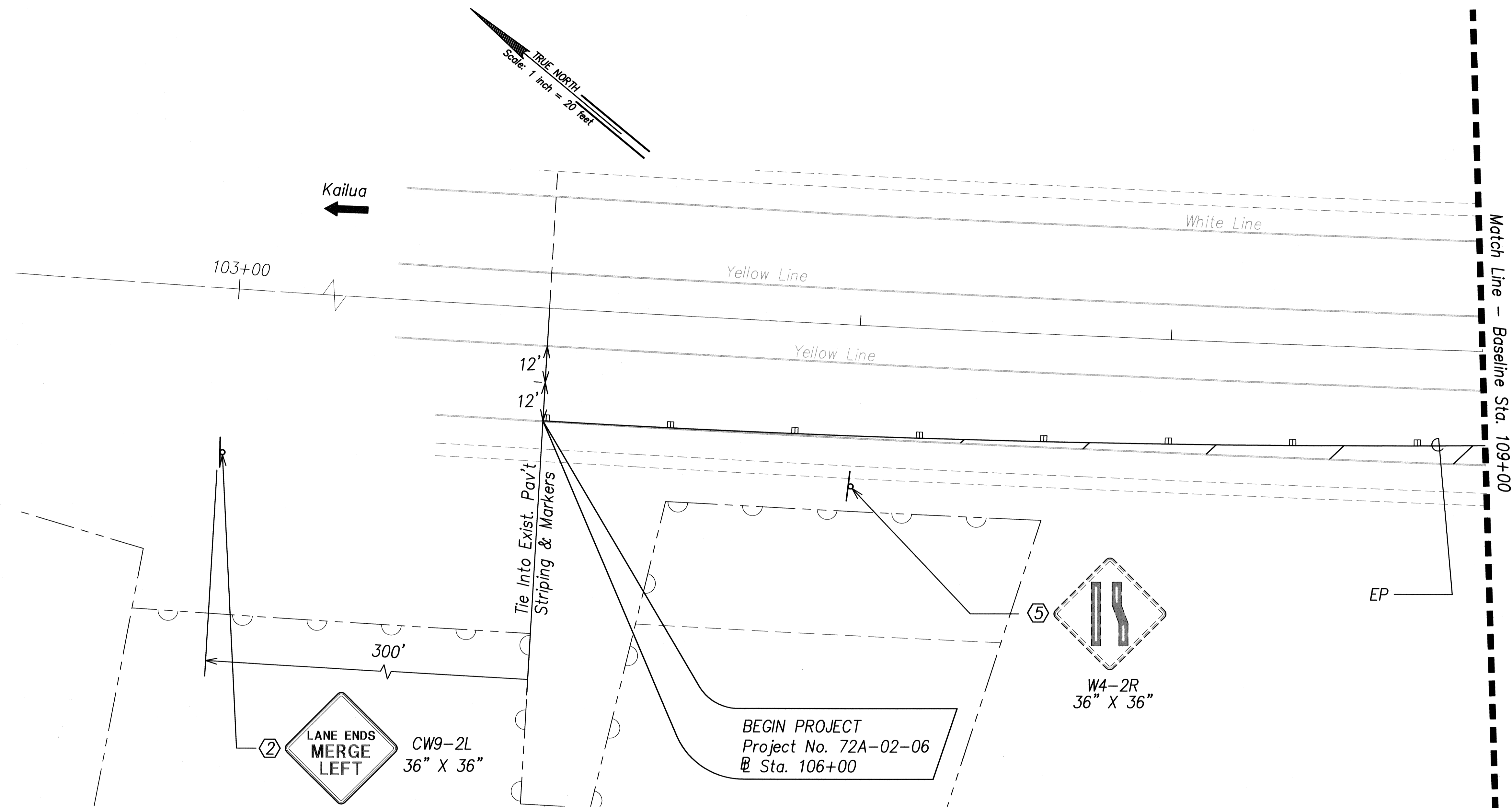


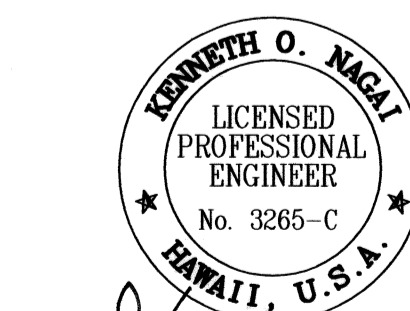
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72A-02-06	2008	22	66



NOTES:

- ① Exist. Sign To Remain
- ② Install New Sign W/ New Post(s)
- ③ Remove Exist. Sign & Post(s)
- ④ Salvage Exist. Sign & Remove Exist. Post(s)
- ⑤ Install Exist. Sign On New Posts(s)
- ⑥ Median Nose Delineation
- ⑦ Seal milled areas in asphalt concrete pavement with Emulsified Asphalt (Type SS-1, SS-1h, CSS-1, CSS-1h).

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



APRIL 30, 2010
EXPIRATION DATE OF LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

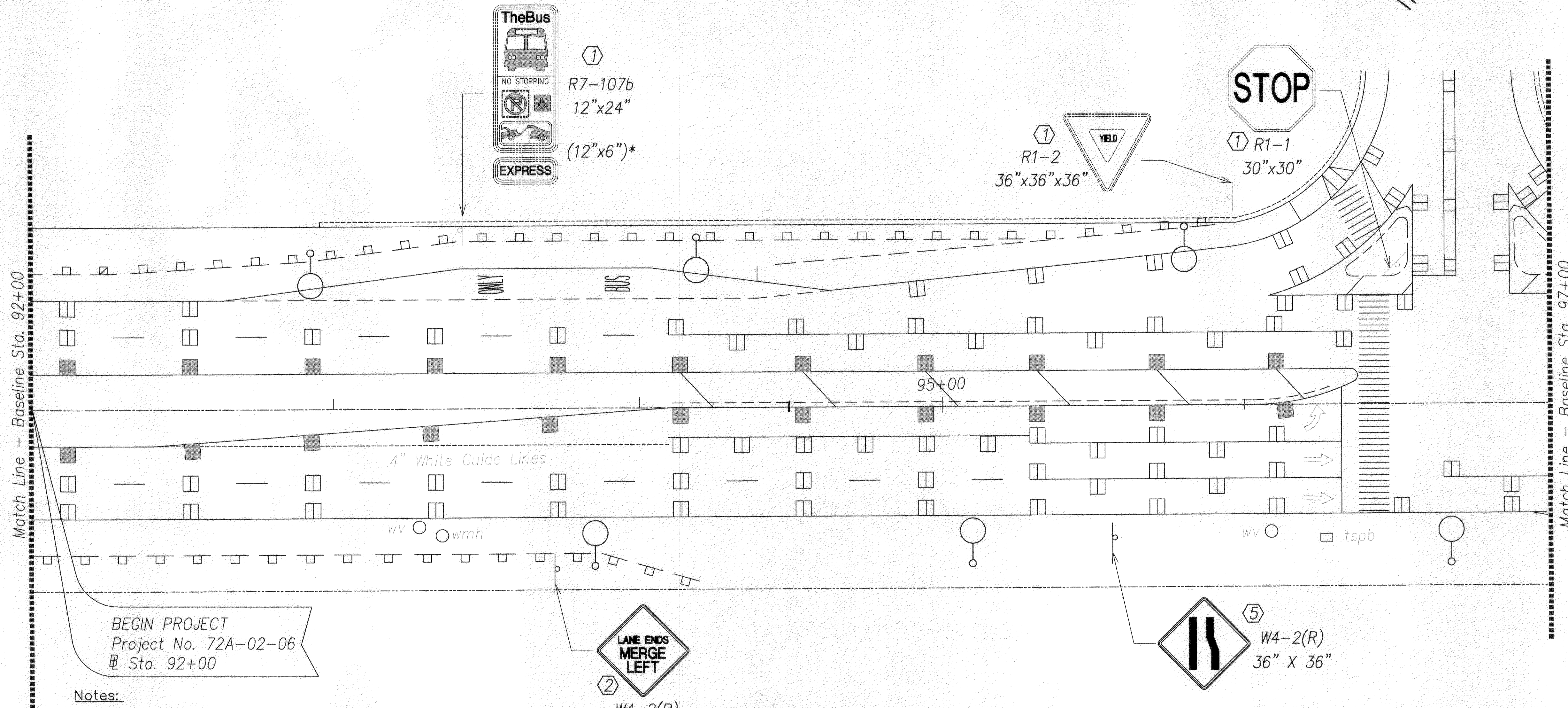
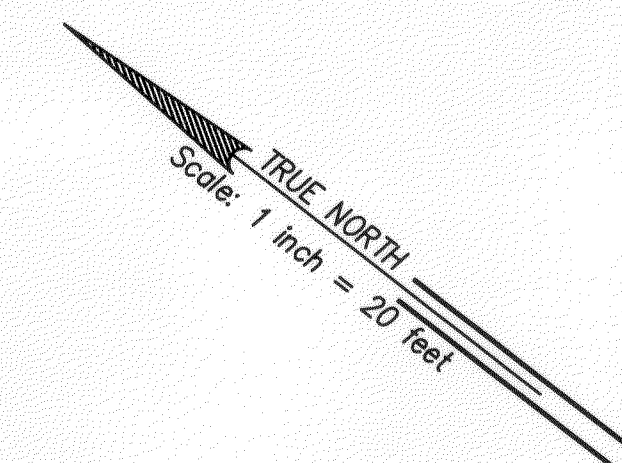
**SIGNING & PAVEMENT
MARKING PLAN - 1**

KALANIANA'OLE HIGHWAY MEDIAN
IMPROVEMENTS VICINITY OF OLOMANA
GOLF COURSE PROJECT NO. 72A-02-06

SCALE: 1"=40' DATE: June 2008

SHEET No. C-20 OF 43 SHEETS

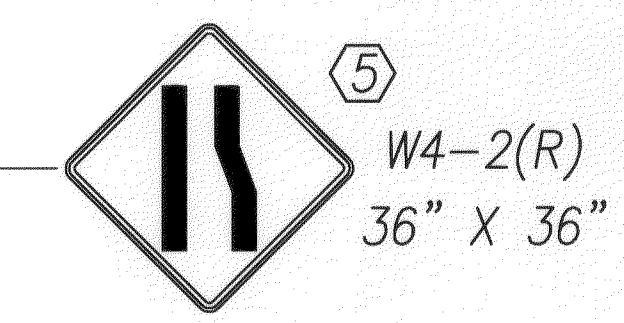
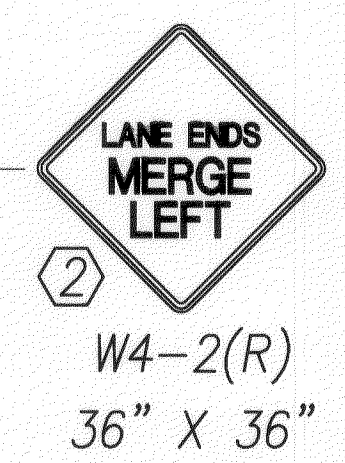
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72A-02-06	2008	CC02	66



BEGIN PROJECT
Project No. 72A-02-06
@ Sta. 92+00

Notes:

- Eradicate 3 ea. existing merge arrows between Sta. 103+00 and 106+00
- Eradicate existing taper line and markers between Sta. 106+00 and 110+39
- Add taper between Sta. 103+00 and 108+50 with Type C raised pavement markers at 40' OC (Approximately 14 markers)
- Extend diagonals or add new diagonals to taper line between Sta. 103+00 and 108+50
- Remove 11 ea old delineators between Sta. 106+00 and 110+39 and install new flexible delineator post, white, 35' OC along taper between Sta. 103+00 and 108+50. (Approximately 16 ea.) (Can reuse 11 old delineators, if replace base)
- Stripe new right edgeline with markers between Sta. 108+50 to 110+39. Tie in to existing at 110+39. Extend existing diagonals to new edgeline.



NOTES:

- ① Exist. Sign To Remain
- ② Install New Sign W/ New Post(s)
- ③ Remove Exist. Sign & Post(s)
- ④ Salvage Exist. Sign & Remove Exist. Post(s)
- ⑤ Install Exist. Sign On New Posts(s)
- ⑥ Median Nose Delineation
- ⑦ Seal milled areas in asphalt concrete pavement with Emulsified Asphalt (Type SS-1, SS-1h, CSS-1, CSS-1h).

LEGEND FOR AS-BUILT POSTING	
	Squiggly line for as-built deletion
	Double line for as-built deletion
	Roadway
	Text for as-built posting

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



SIGNATURE: *Kenneth O. Nagai*
APRIL 30, 2010
EXPIRATION DATE OF LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKING PLAN - 1

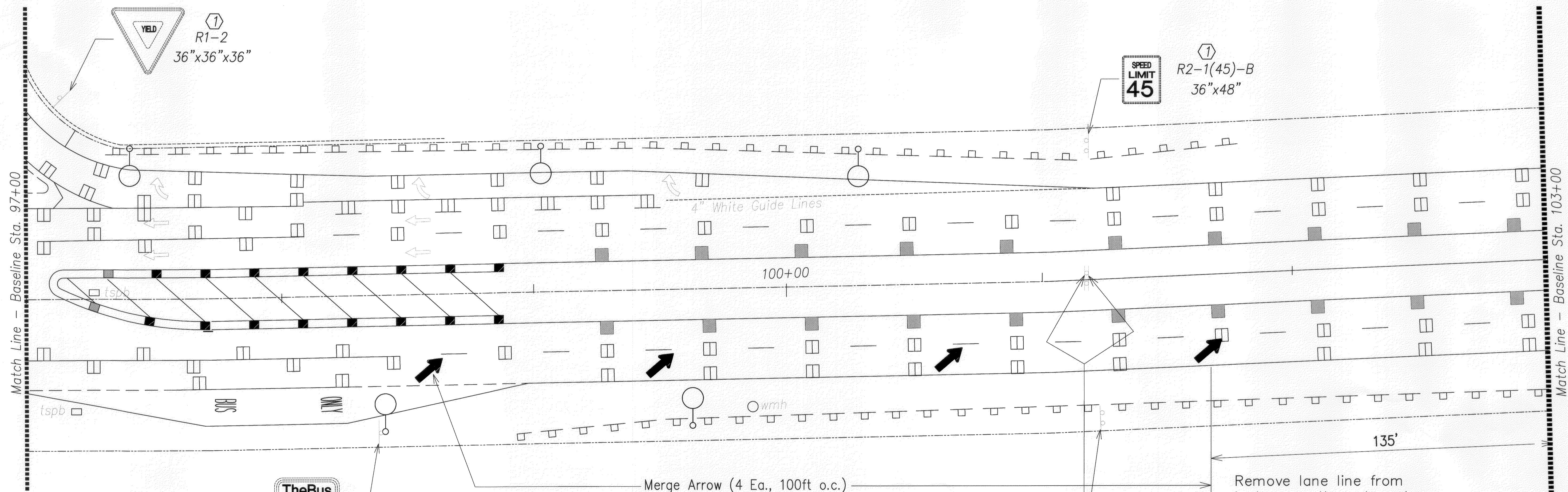
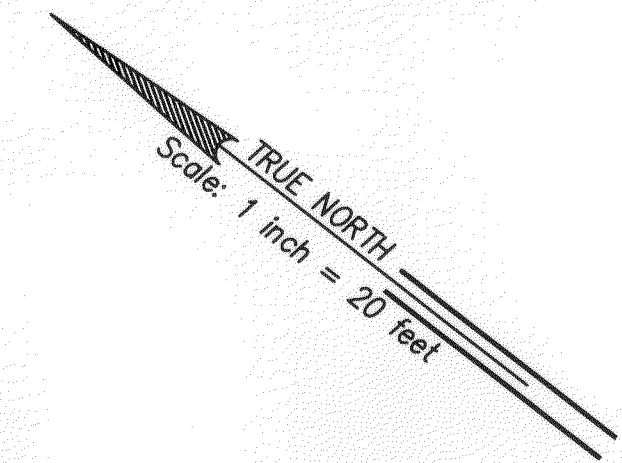
KALANIANA'OLE HIGHWAY MEDIAN IMPROVEMENTS VICINITY OF OLOMANA
GOLF COURSE PROJECT NO. 72A-02-06

SCALE: As Shown DATE: June 2008

"AS-BUILT"

CC0 22

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72A-02-06	2008	CC22S-1	66



①
R7-107b
12"x24"
(12"x6")*

- Notes:**
- Eradicate 3 ea. existing merge arrows between Sta. 103+00 and 106+00
 - Eradicate existing taper line and markers between Sta. 106+00 and 110+39
 - Add taper between Sta. 103+00 and 108+50 with Type C raised pavement markers at 40' OC (Approximately 14 markers)
 - Extend diagonals or add new diagonals to taper line between Sta. 103+00 and 108+50
 - Remove 11 ea old delineators between Sta. 106+00 and 110+39 and install new flexible delineator post, white, 35' OC along taper between Sta. 103+00 and 108+50. (Approximately 16 ea.) (Can reuse 11 old delineators, if replace base)
 - Stripe new right edgeline with markers between Sta. 108+50 to 110+39. Tie in to existing at 110+39. Extend existing diagonals to new edgeline.

①
R2-1(45)-B
36"x48"

- NOTES:**
- ① Exist. Sign To Remain
 - ② Install New Sign W/ New Post(s)
 - ③ Remove Exist. Sign & Post(s)
 - ④ Salvage Exist. Sign & Remove Exist. Post(s)
 - ⑤ Install Exist. Sign On New Posts(s)
 - ⑥ Median Nose Delineation
 - ⑦ Seal milled areas in asphalt concrete pavement with Emulsified Asphalt (Type SS-1, SS-1h, CSS-1, CSS-1h).

LEGEND FOR AS-BUILT POSTING

	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting

KENNETH O. NAKA
LICENSED PROFESSIONAL ENGINEER
No. 3285-C
HAWAII, U.S.A.

[Signature]
SIGNATURE
APRIL 30, 2010
EXPIRATION DATE OF LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKING PLAN - 1

KALANIANA'OLE HIGHWAY MEDIAN IMPROVEMENTS VICINITY OF OLOMANA GOLF COURSE PROJECT NO. 72A-02-06

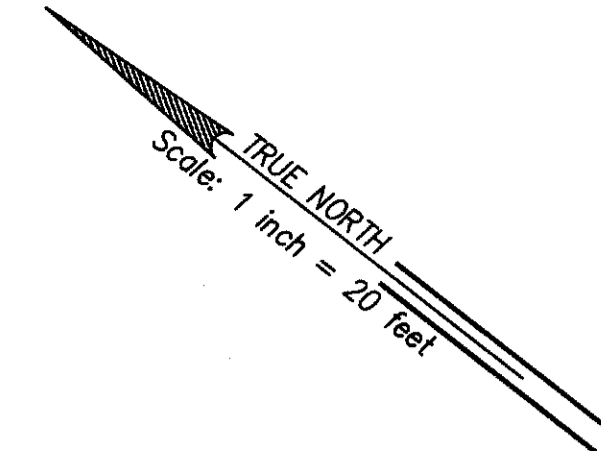
SCALE: As Shown DATE: June 2008

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NO. _____	

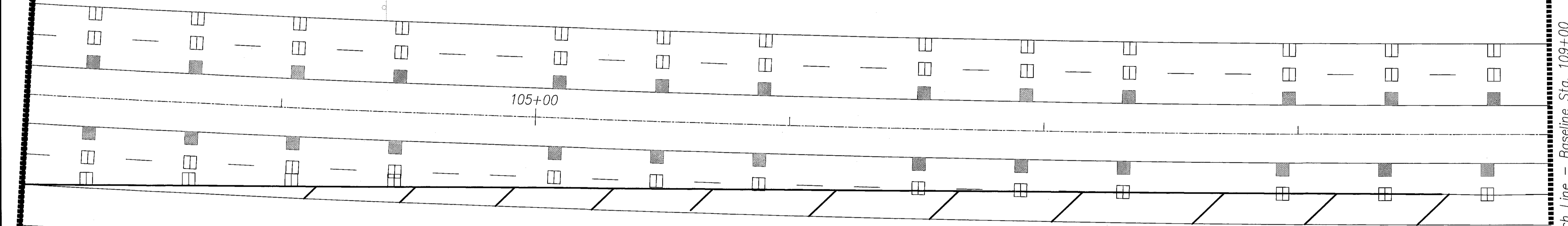
"AS-BUILT"

CC022S-1

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72A-02-06	2008	225-2	66



Match Line - Baseline Sta. 103+00
Begin Merge Taper
Tie into Existing Pavement
Striping and Markers



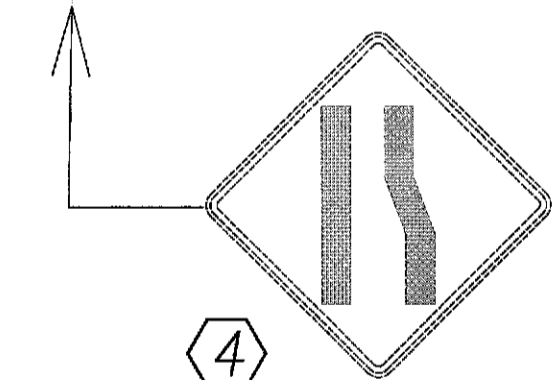
Match Line - Baseline Sta. 109+00

①
D10-4
12"x24"
②
D10-7
10"x7"

①
D10-4
12"x24"
D10-7
10"x7"
②
MILE
2
72

Notes:

- Eradicate 3 ea. existing merge arrows between Sta. 103+00 and 106+00
- Eradicate existing taper line and markers between Sta. 106+00 and 110+39
- Add taper between Sta. 103+00 and 108+50 with Type C raised pavement markers at 40' OC (Approximately 14 markers)
- Extend diagonals or add new diagonals to taper line between Sta. 103+00 and 108+50
- Remove 11 ea old delineators between Sta. 106+00 and 110+39 and install new flexible delineator post, white, 35' OC along taper between Sta. 103+00 and 108+50. (Approximately 16 ea.) (Can reuse 11 old delineators, if replace base)
- Stripe new right edgeline with markers between Sta. 108+50 to 110+39. Tie in to existing at 110+39. Extend existing diagonals to new edgeline.



④
W4-2(R)
36" X 36"
Relocate from approx Sta. 107+00 to 95+50



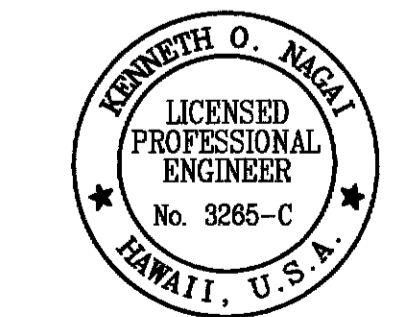
②
W4-2(R) Remove Construction Sign and return to State.
36" X 36" Sign and return to State.
New warning sign at about Sta. 93+75.

LEGEND FOR AS-BUILT POSTING

	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting

NOTES:

- ① Exist. Sign To Remain
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- ③ Remove Exist. Sign & Post(s)
- ④ Salvage Exist. Sign & Remove Exist. Post(s)
- ⑤ Install Exist. Sign On New Posts(s)
- ⑥ Median Nose Delineation
- ⑦ Seal milled areas in asphalt concrete pavement with Emulsified Asphalt (Type SS-1, SS-1h, CSS-1, CSS-1h).



SIGNATURE
APRIL 30, 2010
EXPIRATION DATE OF LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKING PLAN - 1

KALANIANA'OLE HIGHWAY MEDIAN IMPROVEMENTS VICINITY OF OLOMANA GOLF COURSE PROJECT NO. 72A-02-06

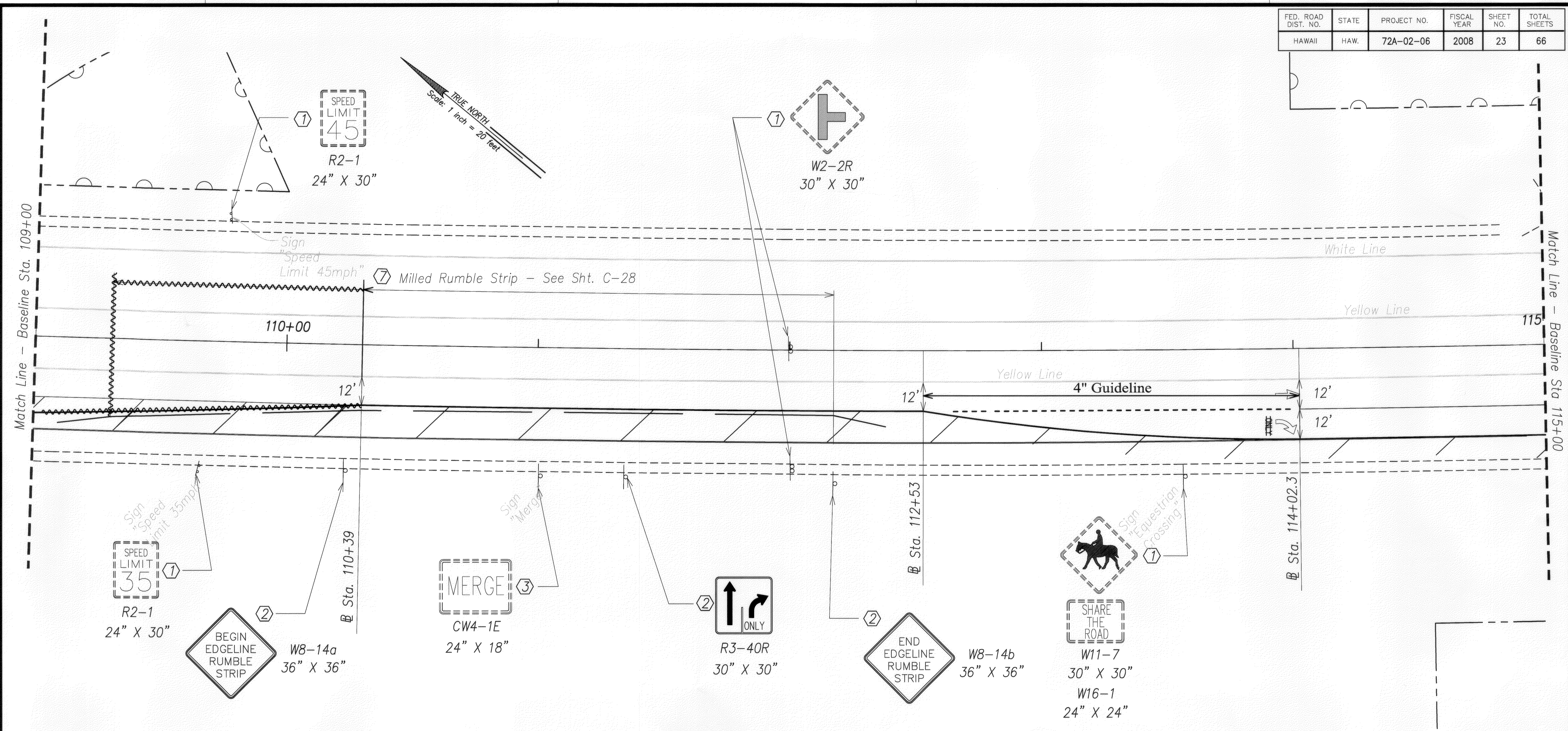
SCALE: As Shown DATE: June 2008

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

"AS-BUILT"

CC0 22 S-2

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72A-02-06	2008	23	66



NOTES:

- ① Exist. Sign To Remain
- ② Install New Sign W/ New Post(s)
- ③ Remove Exist. Sign & Post(s)
- ④ Salvage Exist. Sign & Remove Exist. Post(s)
- ⑤ Install Exist. Sign On New Posts(s)
- ⑥ Median Nose Delineation
- ⑦ Seal milled areas in asphalt concrete pavement with Emulsified Asphalt (Type SS-1, SS-1h, CSS-1, CSS-1h).

LEGEND FOR AS-BUILT POSTING

	Squiggly line for as-built deletion
	Double line for as-built deletion
	Roadway Text for as-built posting

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

KENNETH O. NACA
 LICENSED PROFESSIONAL ENGINEER
 No. 3265-C
 HAWAII, U.S.A.

SIGNATURE:

APRIL 30, 2010
 EXPIRATION DATE OF LICENSE

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKING PLAN - 2

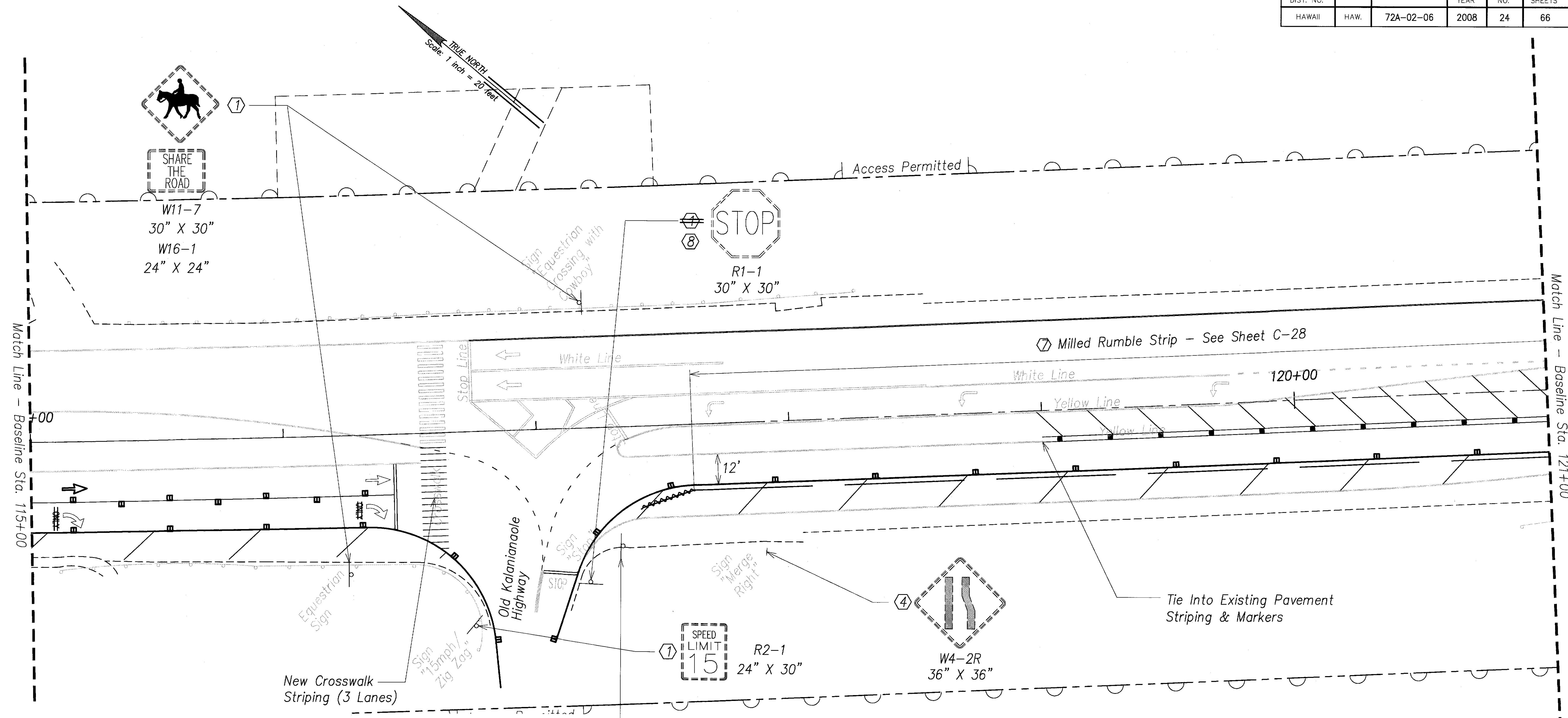
KALANIANA'OLE HIGHWAY MEDIAN IMPROVEMENTS VICINITY OF OLOMANA GOLF COURSE PROJECT NO. 72A-02-06

SCALE: 1"=40' DATE: June 2008

SHEET No. C-21 OF 43 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72A-02-06	2008	24	66



NOTES:

- ① Exist. Sign To Remain
- ② Install New Sign W/ New Post(s)
- ③ Remove Exist. Sign & Post(s)
- ④ Salvage Exist. Sign & Remove Exist. Post(s)
- ⑤ Install Exist. Sign On New Posts(s)
- ⑥ Median Nose Delineation
- ⑦ Seal milled areas in asphalt concrete pavement with Emulsified Asphalt (Type SS-1, SS-1h, CSS-1, CSS-1h).
- ⑧ Remove Existing Sign & Post(s) and Install New Sign on New Post(s)

LEGEND FOR AS-BUILT POSTING	
	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting

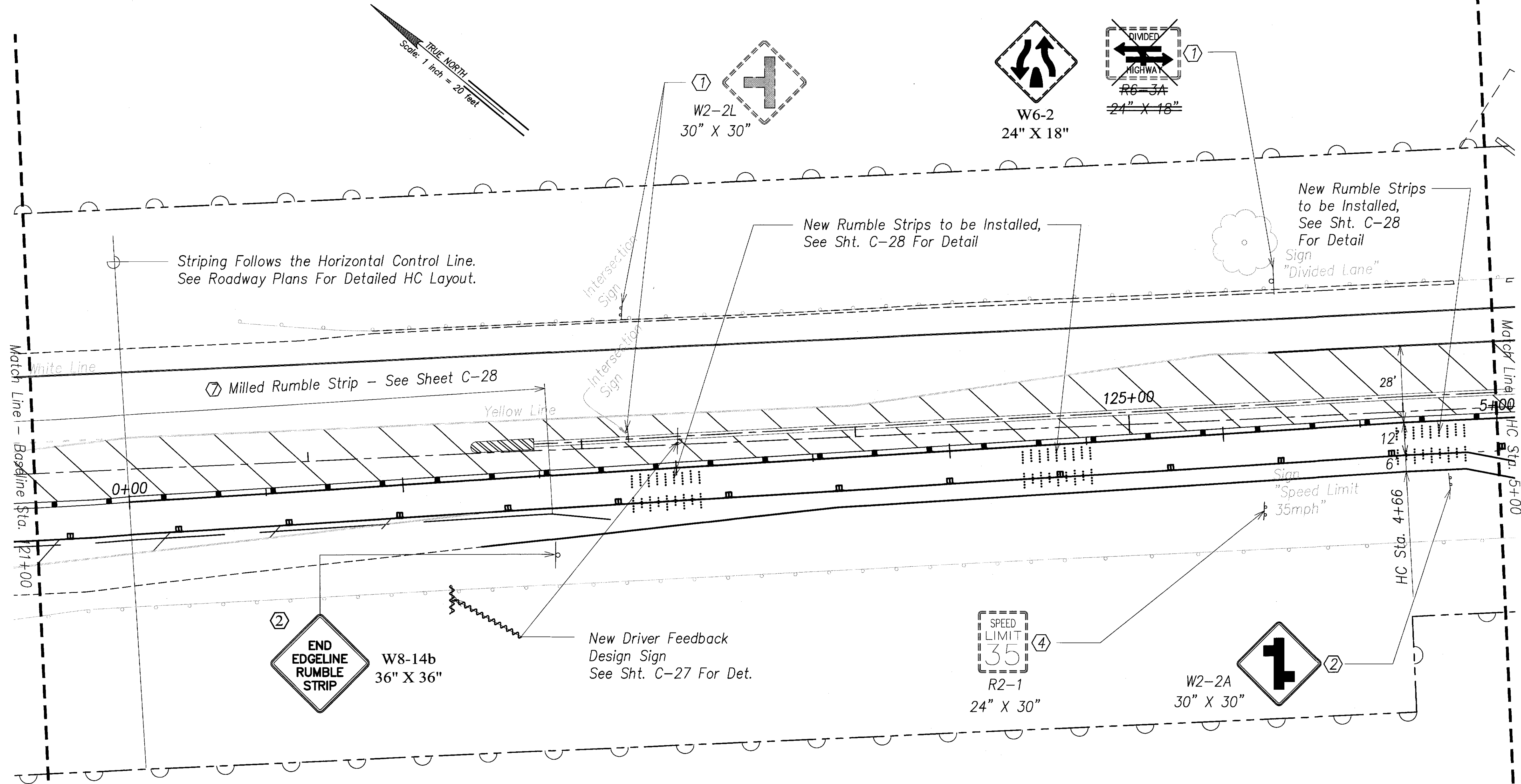
DATE
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
CHECKED BY
ORIGINAL PLAN
NOTE BOOK
No.

SIGNATURE: *Kenneth O. Nagai*
 APRIL 30, 2010
 EXPIRATION DATE OF LICENSE
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN - 3
 KALANIANA'OLE HIGHWAY MEDIAN IMPROVEMENTS VICINITY OF OLOMANA GOLF COURSE PROJECT NO. 72A-02-06
 SCALE: 1"=40' DATE: June 2008
 SHEET No. C-22 OF 43 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72A-02-06	2008	25	66



- NOTES:**
- ① Exist. Sign To Remain
 - ② Install New Sign W/ New Post(s)
 - ③ Remove Exist. Sign & Post(s)
 - ④ Salvage Exist. Sign & Remove Exist. Post(s)
 - ⑤ Install Exist. Sign On New Posts(s)
 - ⑥ Median Nose Delineation
 - ⑦ Seal milled areas in asphalt concrete pavement with Emulsified Asphalt (Type SS-1, SS-1h, CSS-1, CSS-1h).

LEGEND FOR AS-BUILT POSTING

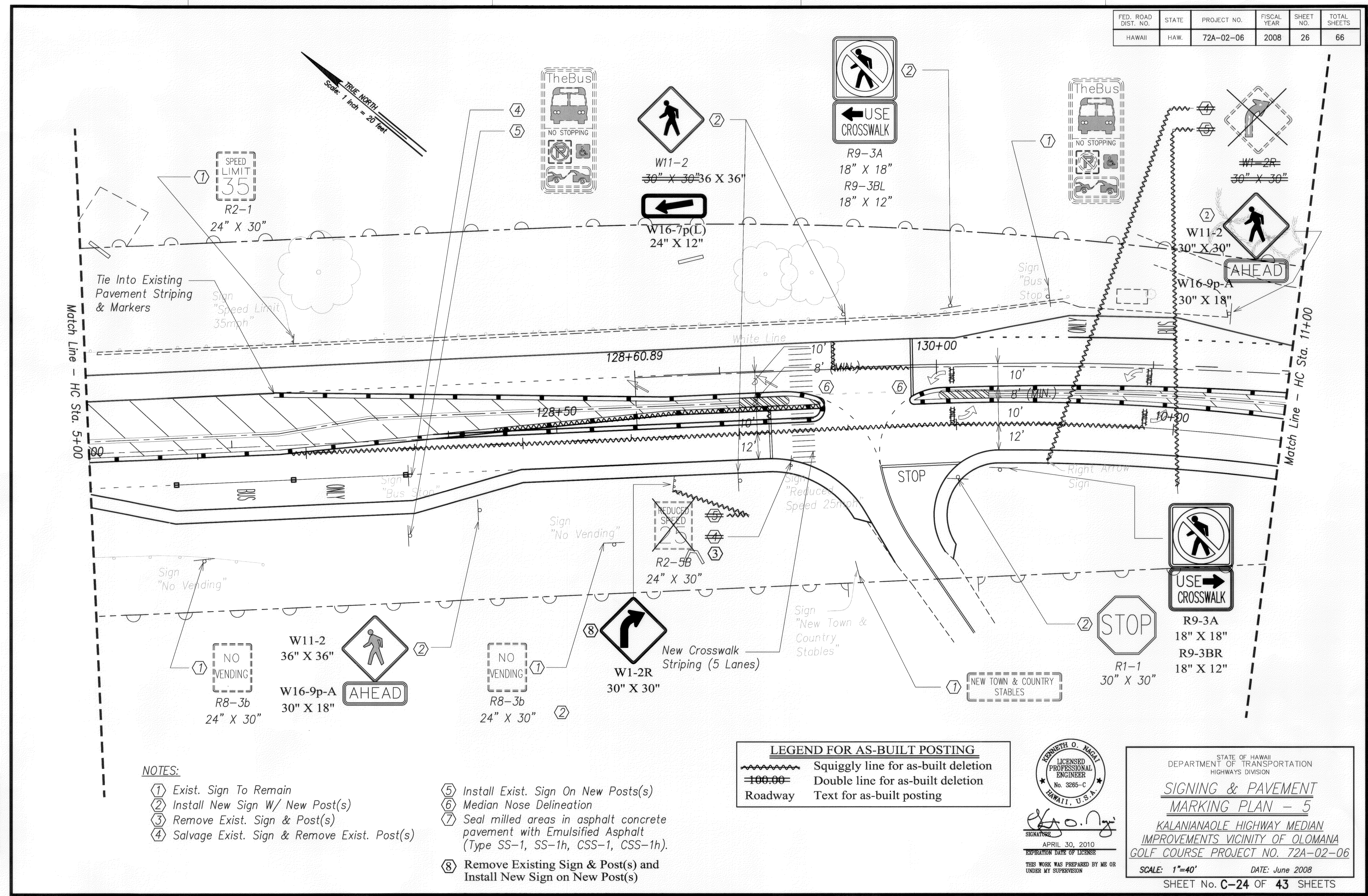
	Squiggly line for as-built deletion
	Double line for as-built deletion
	Roadway Text for as-built posting

KENNETH O. MAGLI
 LICENSED PROFESSIONAL ENGINEER
 No. 3265-C
 HAWAII, U.S.A.
 APRIL 30, 2010
 EXPIRATION DATE OF LICENSE
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN - 4
 KALANIANA'OLE HIGHWAY MEDIAN IMPROVEMENTS VICINITY OF OLOMANA GOLF COURSE PROJECT NO. 72A-02-06
 SCALE: 1"=40' DATE: June 2008

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

"AS-BUILT"



NOTES:

- ① Exist. Sign To Remain
- ② Install New Sign W/ New Post(s)
- ③ Remove Exist. Sign & Post(s)
- ④ Salvage Exist. Sign & Remove Exist. Post(s)
- ⑤ Install Exist. Sign On New Posts(s)
- ⑥ Median Nose Delineation
- ⑦ Seal milled areas in asphalt concrete pavement with Emulsified Asphalt (Type SS-1, SS-1h, CSS-1, CSS-1h).
- ⑧ Remove Existing Sign & Post(s) and Install New Sign on New Post(s)

LEGEND FOR AS-BUILT POSTING

	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting



SIGNATURE: *[Signature]*
 APRIL 30, 2010
 EXPIRATION DATE OF LICENSE
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKING PLAN - 5

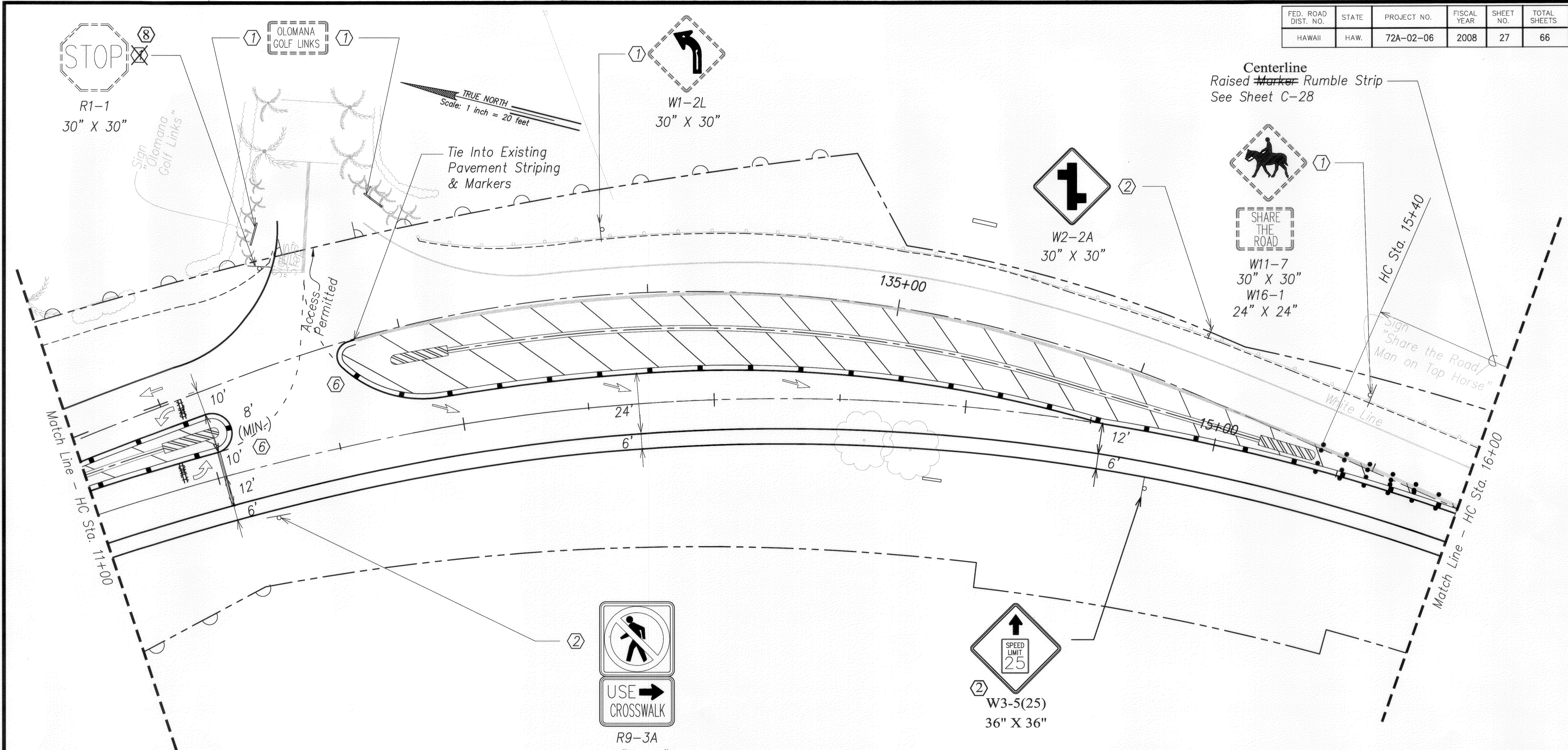
KALANIANA'OLE HIGHWAY MEDIAN IMPROVEMENTS VICINITY OF OLOMANA GOLF COURSE PROJECT NO. 72A-02-06

SCALE: 1"=40' DATE: June 2008
 SHEET No. C-24 OF 43 SHEETS

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
DATE	_____
DESIGNED BY	_____
CHECKED BY	_____

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72A-02-06	2008	27	66



R1-1
30" X 30"

W1-2L
30" X 30"

W2-2A
30" X 30"

W11-7
30" X 30"
W16-1
24" X 24"

R9-3A
18" X 18"
R9-3BR
18" X 12"

W3-5(25)
36" X 36"

NOTES:

- ① Exist. Sign To Remain
- ② Install New Sign W/ New Post(s)
- ③ Remove Exist. Sign & Post(s)
- ④ Salvage Exist. Sign & Remove Exist. Post(s)
- ⑤ Install Exist. Sign On New Posts(s)
- ⑥ Median Nose Delineation
- ⑦ Seal milled areas in asphalt concrete pavement with Emulsified Asphalt (Type SS-1, SS-1h, CSS-1, CSS-1h).
- ⑧ Remove Existing Sign & Post(s) and Install New Sign on New Post(s)

LEGEND FOR AS-BUILT POSTING

	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

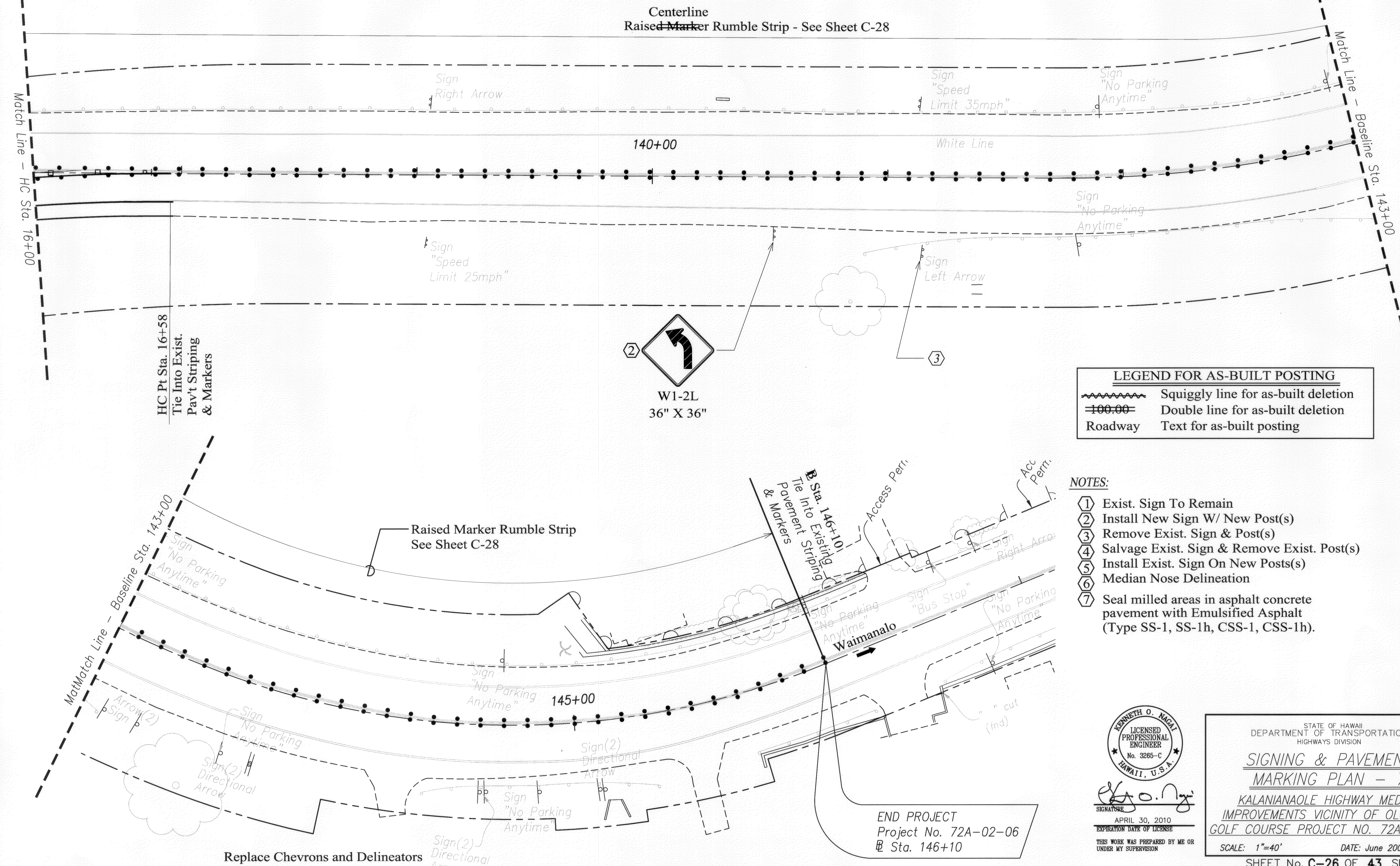
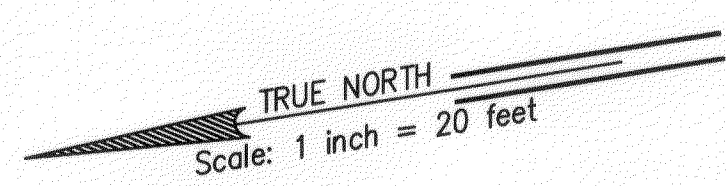
DESIGNED BY	DATE
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NO. _____	

KENNETH O. MCGILL
LICENSED PROFESSIONAL ENGINEER
No. 3286-C
HAWAII, U.S.A.
[Signature]
APRIL 30, 2010
EXPIRATION DATE OF LICENSE
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN - 6
KALANIANA'OLE HIGHWAY MEDIAN IMPROVEMENTS VICINITY OF OLOMANA GOLF COURSE PROJECT NO. 72A-02-06
SCALE: 1"=40' DATE: June 2008
SHEET No. C-25 OF 43 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72A-02-06	2008	28	66



LEGEND FOR AS-BUILT POSTING

	Squiggly line for as-built deletion
	Double line for as-built deletion
	Roadway Text for as-built posting

- NOTES:**
- ① Exist. Sign To Remain
 - ② Install New Sign W/ New Post(s)
 - ③ Remove Exist. Sign & Post(s)
 - ④ Salvage Exist. Sign & Remove Exist. Post(s)
 - ⑤ Install Exist. Sign On New Posts(s)
 - ⑥ Median Nose Delineation
 - ⑦ Seal milled areas in asphalt concrete pavement with Emulsified Asphalt (Type SS-1, SS-1h, CSS-1, CSS-1h).

DESIGNED BY	DATE
DESIGNED BY	DATE
DESIGNED BY	DATE
DESIGNED BY	DATE
DESIGNED BY	DATE
DESIGNED BY	DATE
DESIGNED BY	DATE
DESIGNED BY	DATE
DESIGNED BY	DATE
DESIGNED BY	DATE

KENNETH O. MAGUI
 LICENSED PROFESSIONAL ENGINEER
 No. 3265-C
 HAWAII, U.S.A.

[Signature]
 SIGNATURE
 APRIL 30, 2010
 EXPIRATION DATE OF LICENSE
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKING PLAN - 7

KALANIANA'OLE HIGHWAY MEDIAN
 IMPROVEMENTS VICINITY OF OLOMANA
 GOLF COURSE PROJECT NO. 72A-02-06

SCALE: 1"=40' DATE: June 2008

SHEET No. C-26 OF 43 SHEETS

END PROJECT
 Project No. 72A-02-06
 Sta. 146+10

"AS-BUILT"