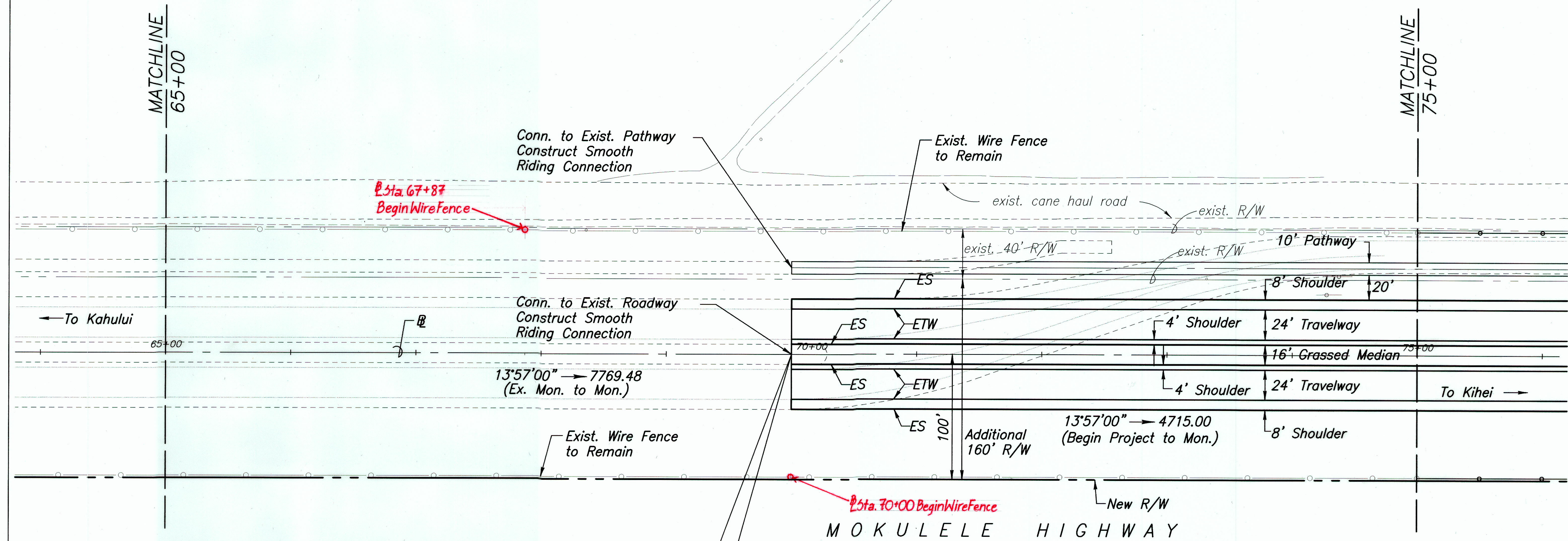


FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0311(5)	2003	26	189

True North
Scale: 1 inch = 40 feet



Begin Project
Project No.
NH-0311(5)
Sta. 70+00

PROJ. NO.: M9901.00

2/21/02

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ORIGINAL PLAN	DESIGNED BY	DATE	CHECKED BY	NO.
NOTE BOOK	DESIGNED BY		CHECKED BY	

DANIEL S. MIYASATO

LICENSED PROFESSIONAL ENGINEER

No. 3443-C

HAWAII U.S.A.

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOKULELE HIGHWAY WIDENING

Vicinity of Cane Haul Road

To Maui Humane Society

Federal - Aid Project No. NH-0311(5)

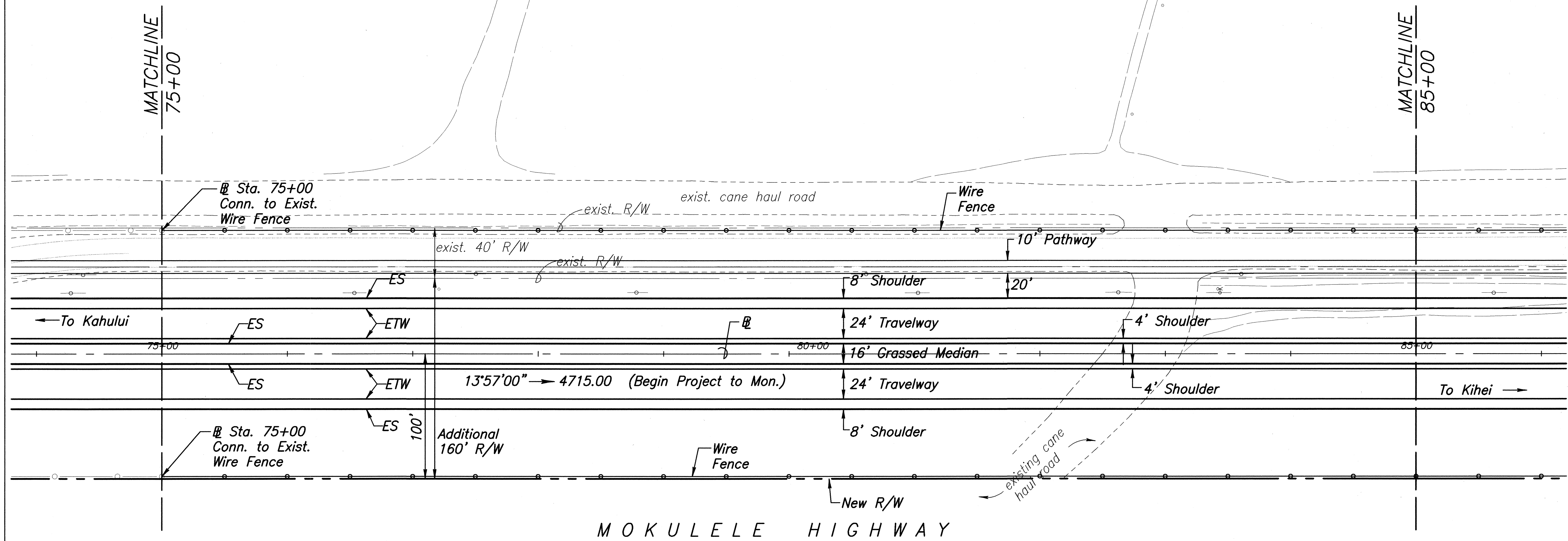
Scale: 1"=40' Date: JUNE 2002

SHEET No. 1 OF 13 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0311(5)	2003	27	189

True North
Scale: 1 inch = 40 feet



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

DANIEL S. MIYASATO
LICENSED PROFESSIONAL ENGINEER
No. 3443-C
HAWAII U.S.A.

Dan Miyasato
SATO & ASSOCIATES, INC.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

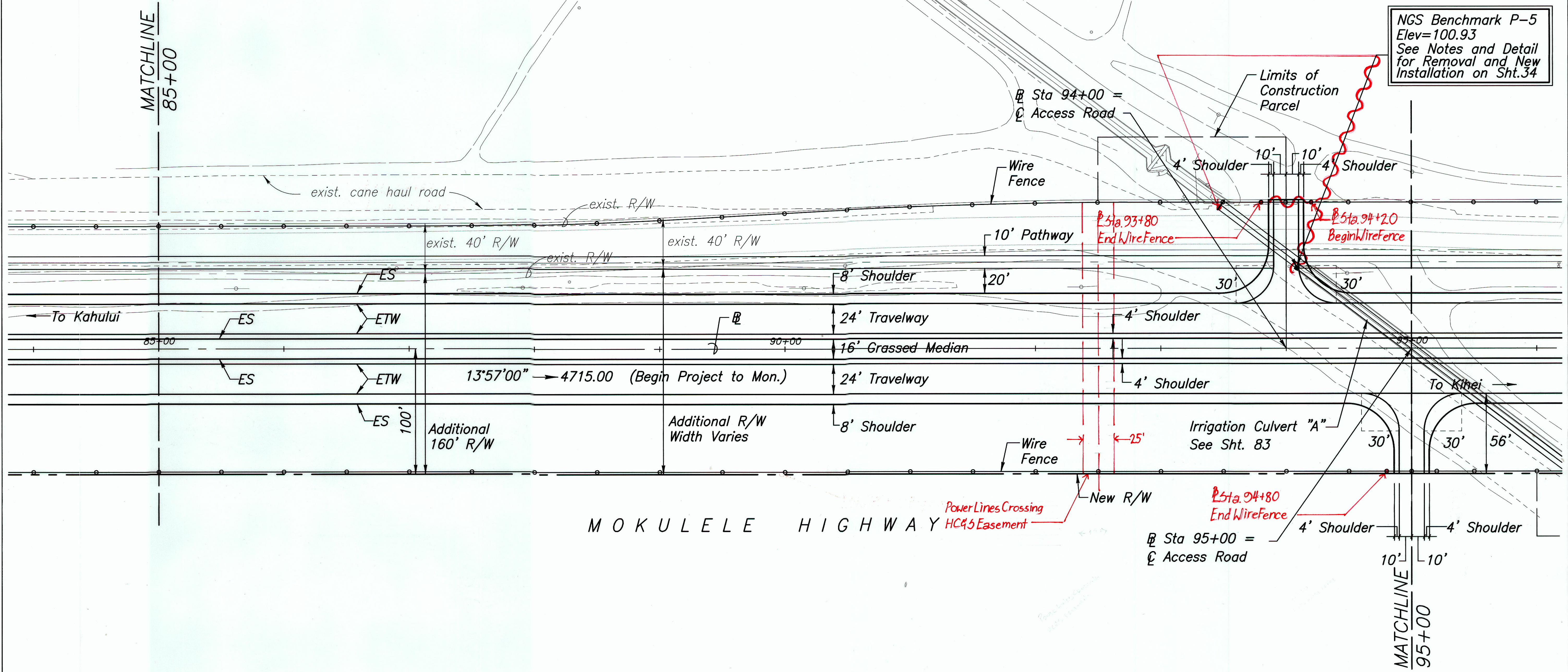
DETAIL PLAN OF ROADWAY

MOKULELE HIGHWAY WIDENING
Vicinity of Cane Haul Road
To Maui Humane Society
Federal - Aid Project No. NH-0311(5)
Scale: 1"=40' Date: JUNE 2002

SHEET No. 2 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0311(5)	2003	28	189

True North
Scale: 1 inch = 40 feet



NGS Benchmark P-5
Elev=100.93
See Notes and Detail
for Removal and New
Installation on Sht.34

12/23/02	Added Access Road at Baseline Station 94+00 and 95+00
DATE	REVISION



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY
MOKULELE HIGHWAY WIDENING
Vicinity of Cane Haul Road
To
Maui Humane Society
Federal - Aid Project No. NH-0311(5)
Scale: 1"=40' Date: JUNE 2002
SHEET No. 3 OF 13 SHEETS

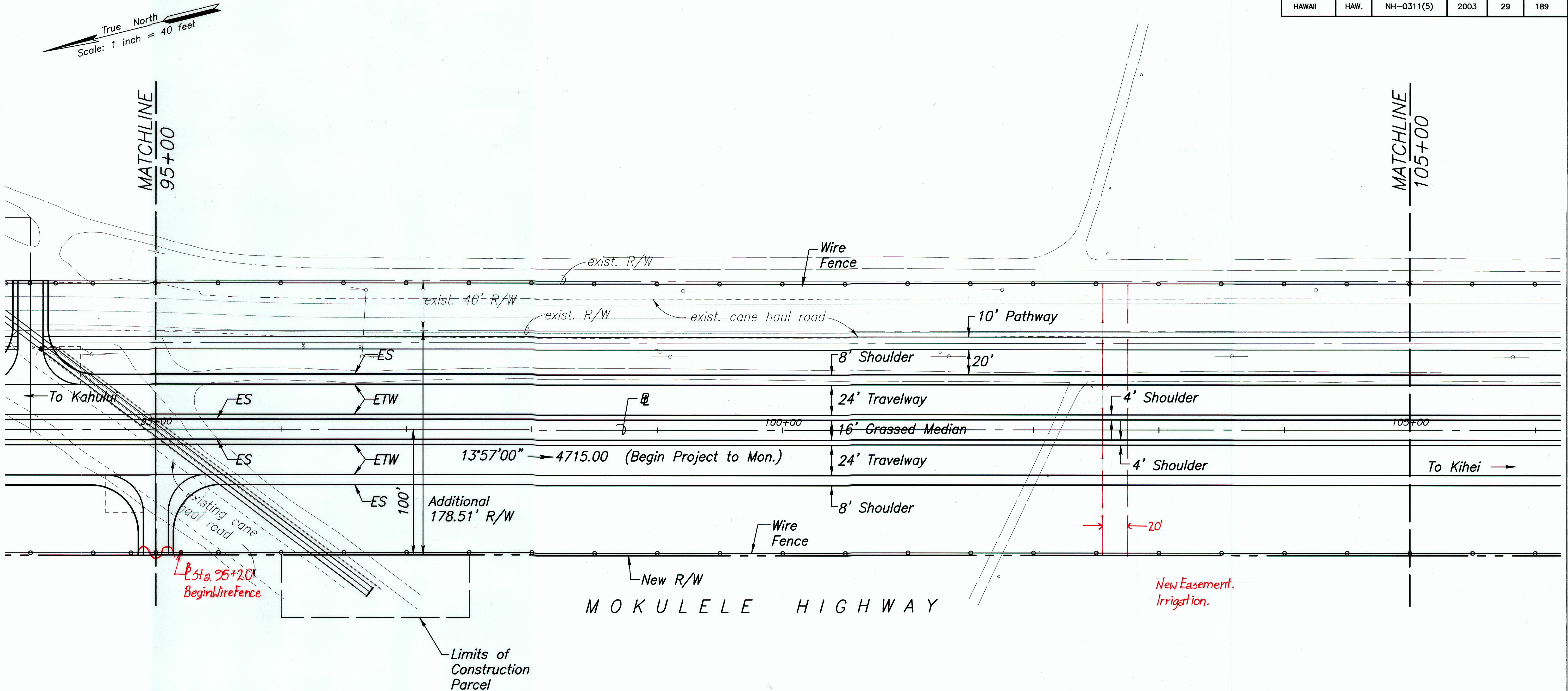
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"AS-BUILT"

ADD. 28

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

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0311(5)	2003	29	189



12/23/02	Revised Irrigation Ditch, Added Access Road at Baseline Station 95+00
DATE	REVISION



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY
 MOKULELE HIGHWAY WIDENING
 Vicinity of Cane Haul Road
 To
 Maui Humane Society
 Federal - Aid Project No. NH-0311(5)
 Scale: 1"=40' Date: JUNE 2002

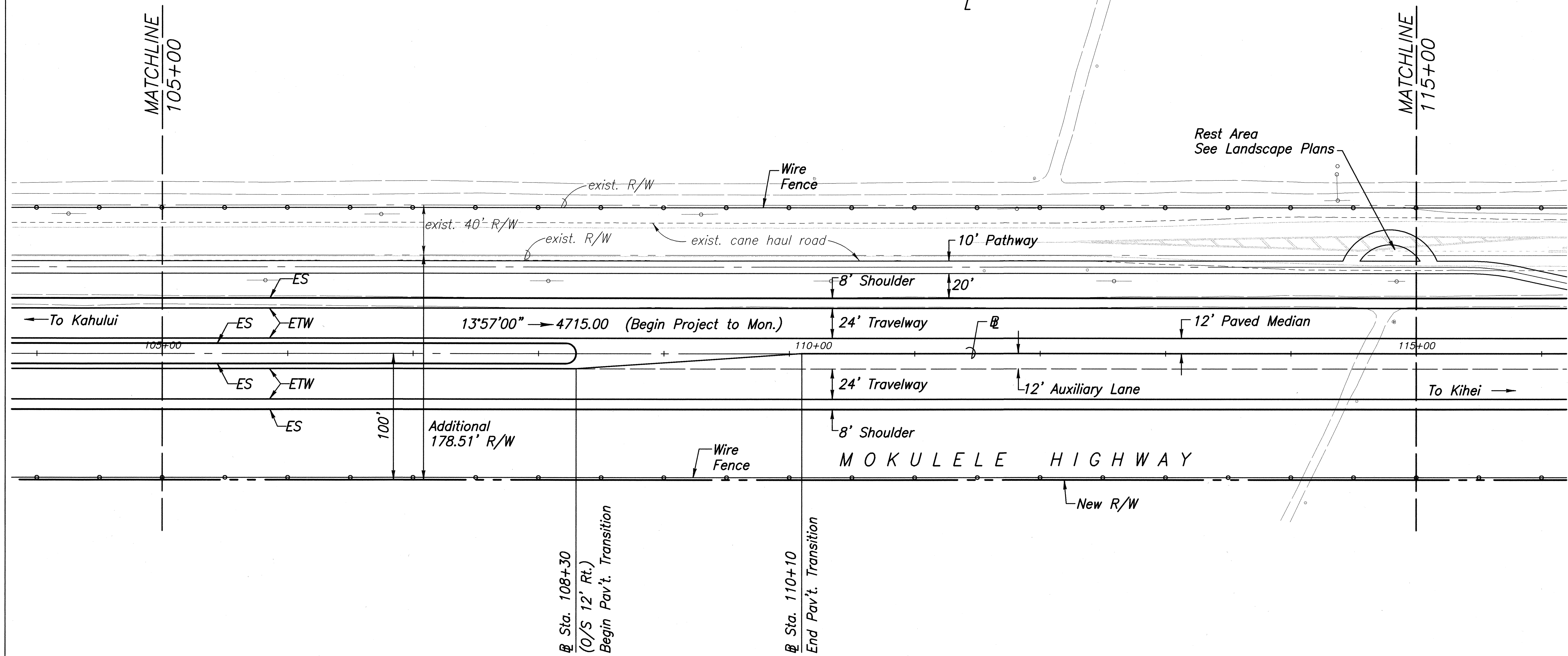
SHEET No. 4 OF 13 SHEETS
ADD. 29

"AS-BUILT"

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0311(5)	2003	30	189

True North
Scale: 1 inch = 40 feet



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

DANIEL S. MIYASHIRO
LICENSED PROFESSIONAL ENGINEER
No. 3443-C
HAWAII U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOKULELE HIGHWAY WIDENING

Vicinity of Cane Haul Road

To
Maui Humane Society

Federal - Aid Project No. NH-0311(5)

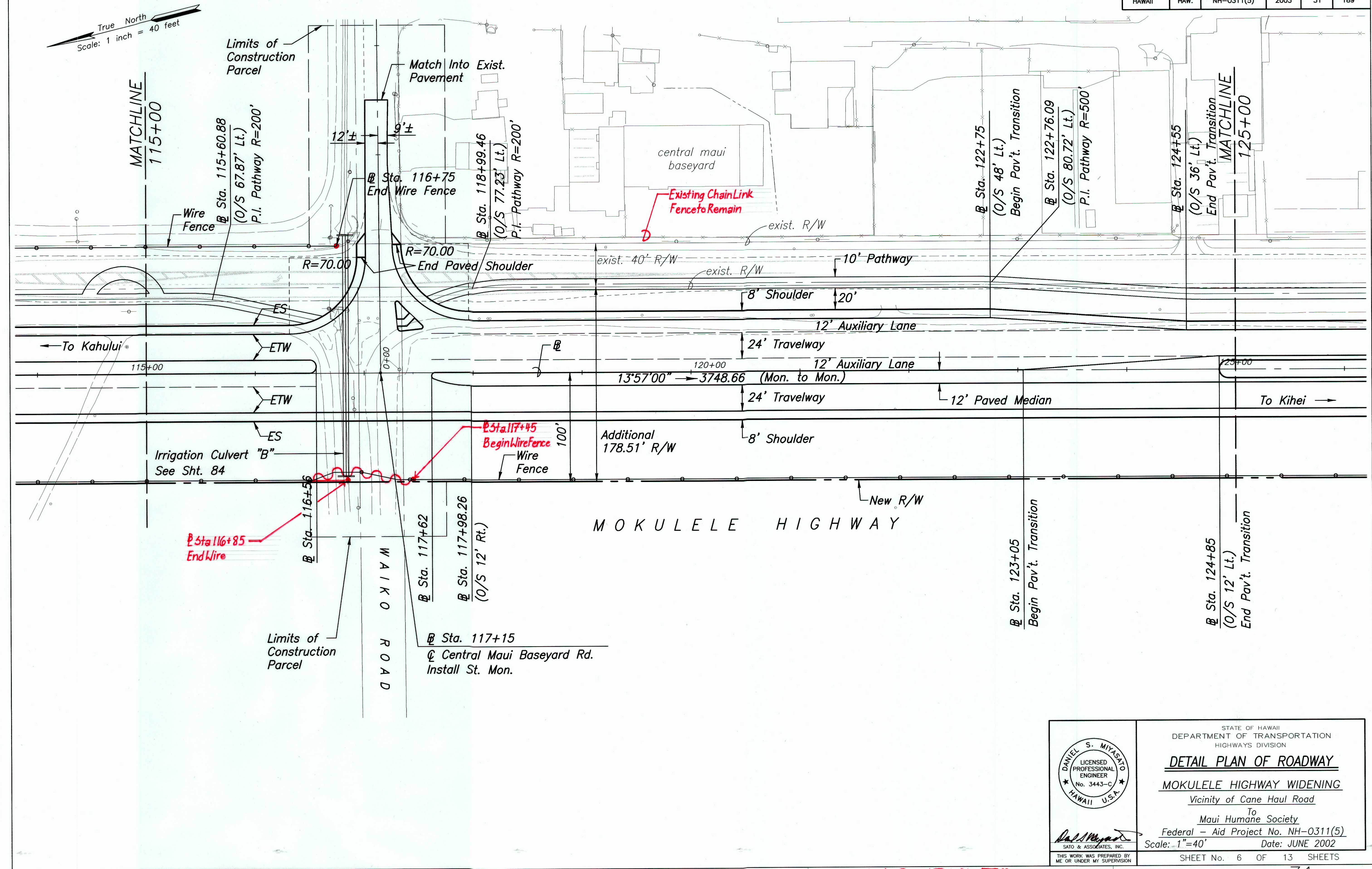
Scale: 1"=40' Date: JUNE 2002

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SATO & ASSOCIATES, INC.

SHEET No. 5 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0311(5)	2003	31	189



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

PROJ. NO.: M9901.00

2/21/02

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DANIEL S. MIYASATO

LICENSED PROFESSIONAL ENGINEER

No. 3443-C

HAWAII U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOKULELE HIGHWAY WIDENING

Vicinity of Cane Haul Road

To
Maui Humane Society

Federal - Aid Project No. NH-0311(5)

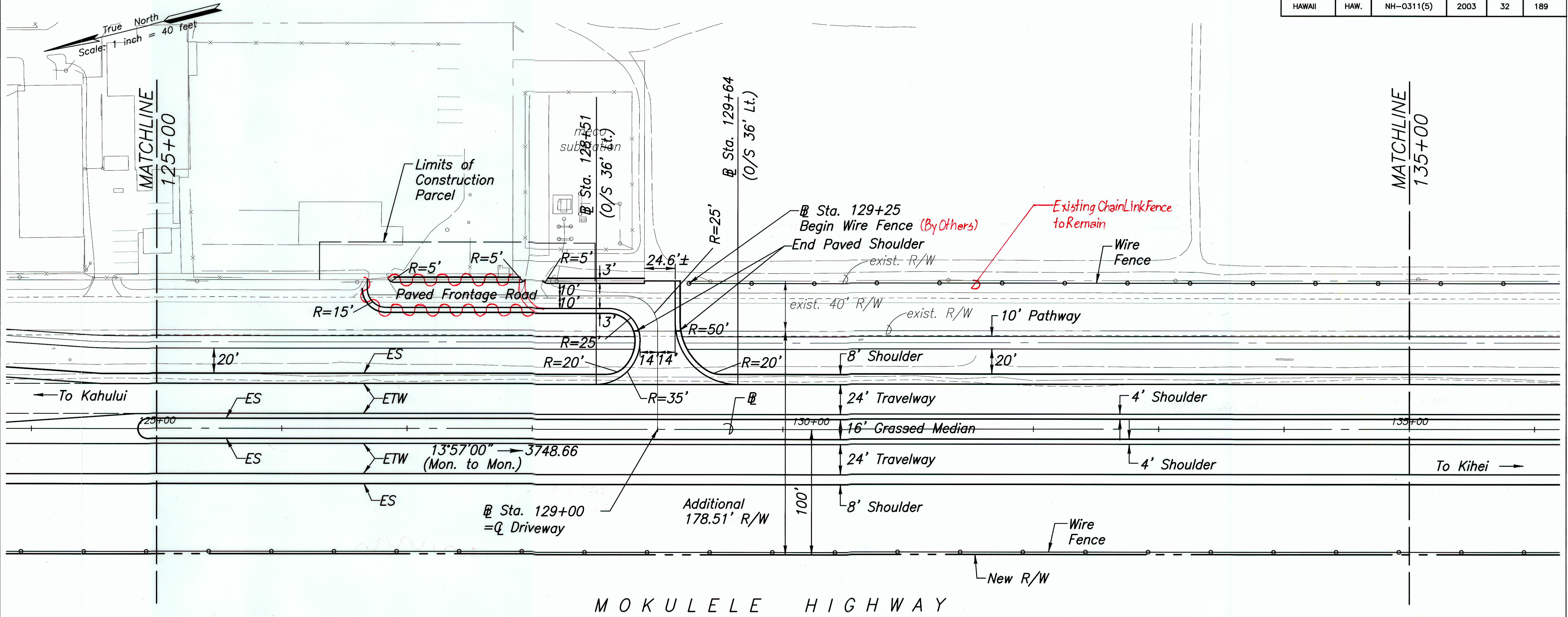
Scale: 1"=40' Date: JUNE 2002

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SHEET No. 6 OF 13 SHEETS

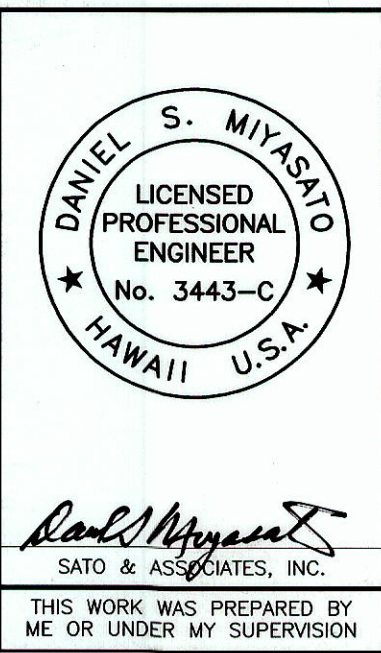
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0311(5)	2003	32	189



MOKULELE HIGHWAY

DATE	REVISION
12/23/02	Revised Frontage Road



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOKULELE HIGHWAY WIDENING

Vicinity of Cane Haul Road

To
Maui Humane Society

Federal - Aid Project No. NH-0311(5)

Scale: 1"=40' Date: JUNE 2002

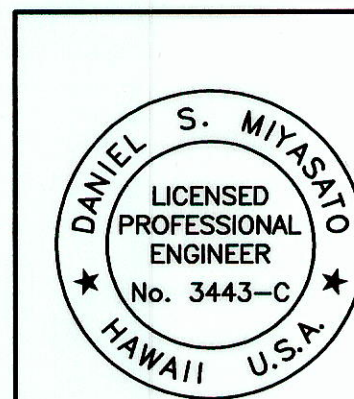
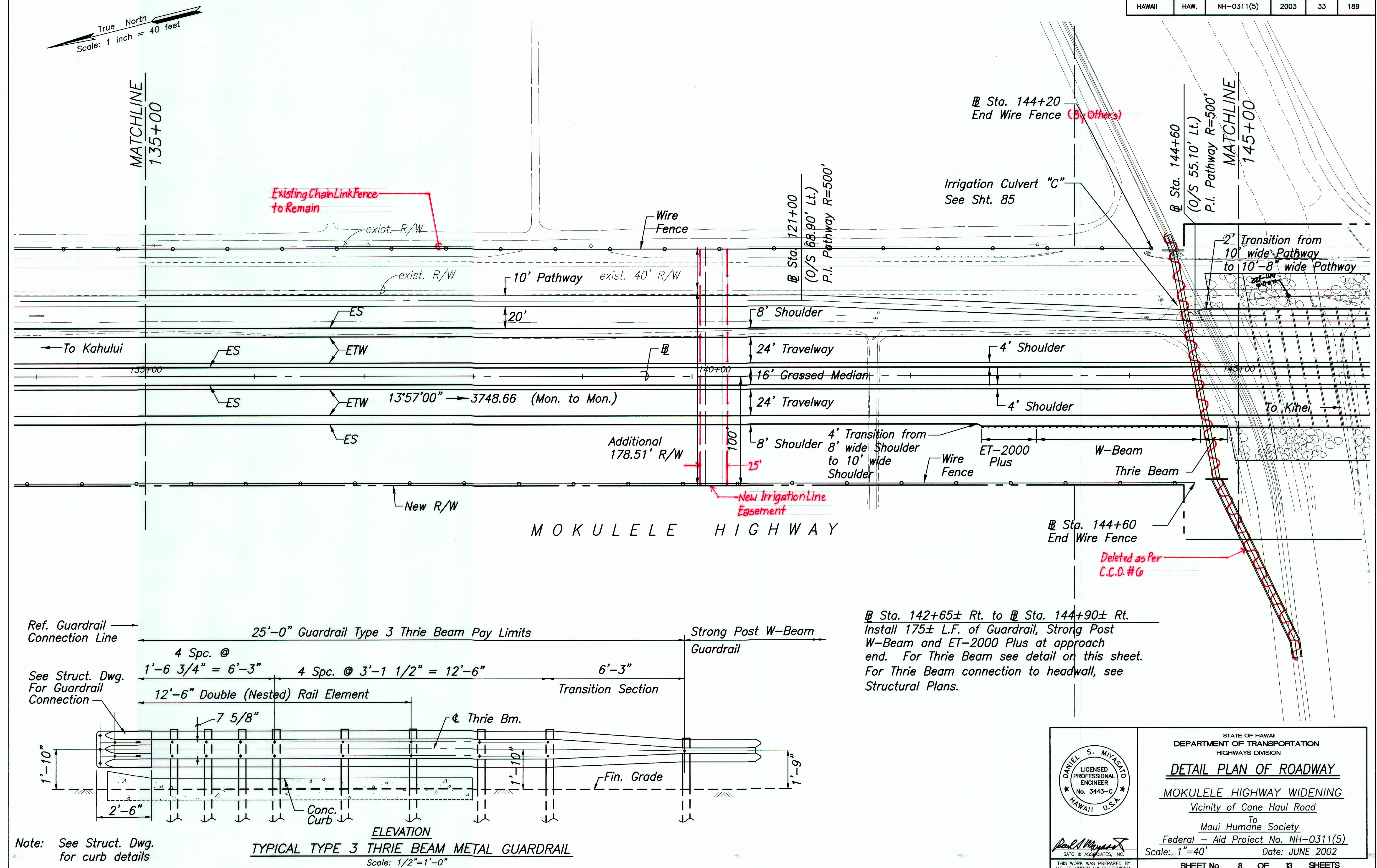
SHEET No. 7 OF 13 SHEETS

"AS-BUILT"

ADD. 32

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

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0311(5)	2003	33	189



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOKULELE HIGHWAY WIDENING
Vicinity of Cane Haul Road

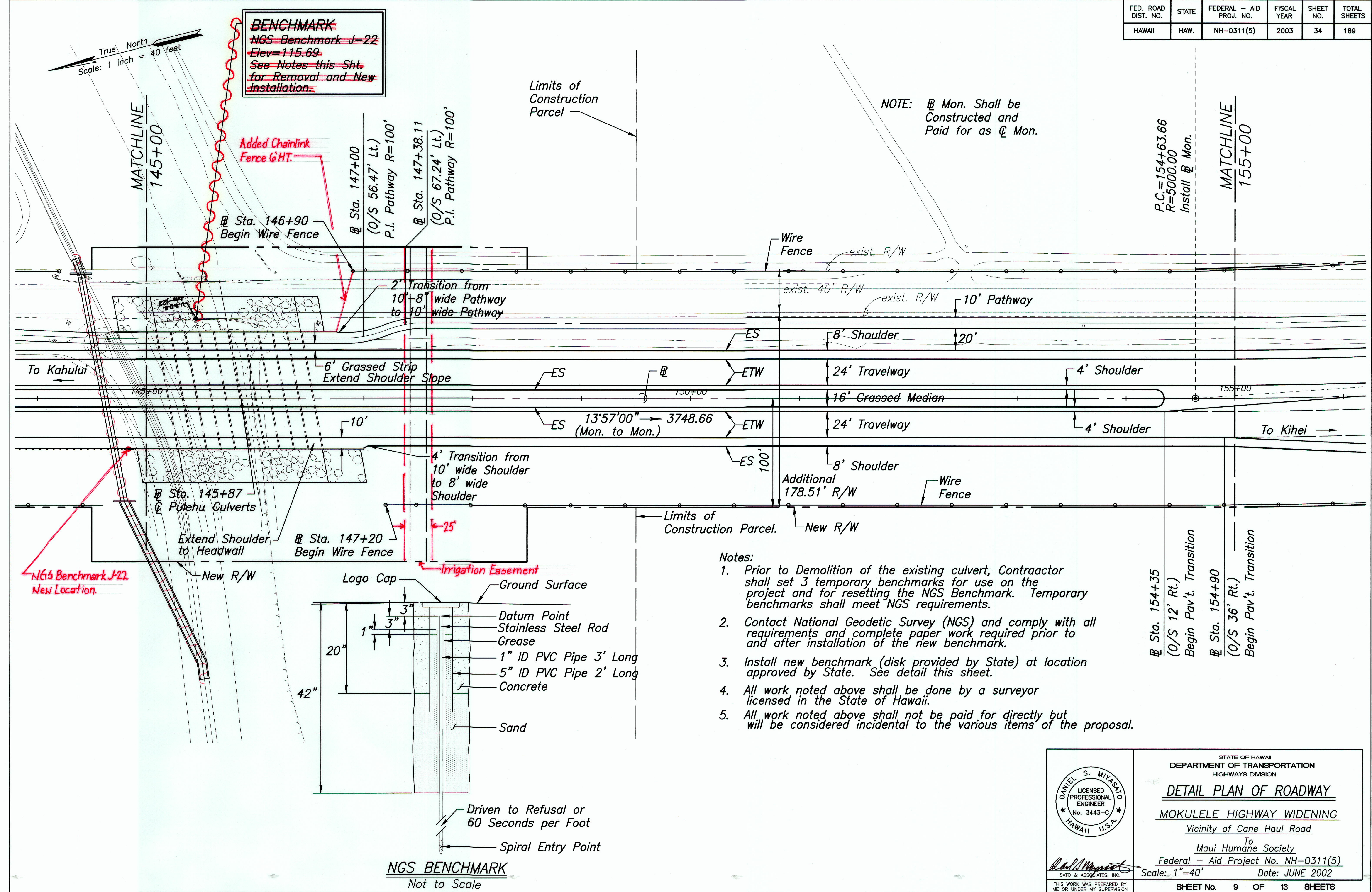
To
Maui Humane Society

Federal - Aid Project No. NH-0311(5)
Scale: 1"=40' Date: JUNE 2002

SHEET No. 8 OF 13 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0311(5)	2003	34	189



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOKULELE HIGHWAY WIDENING

Vicinity of Cane Haul Road

To
Maui Humane Society

Federal - Aid Project No. NH-0311(5)

Scale: 1"=40' Date: JUNE 2002

SHEET No. 9 OF 13 SHEETS

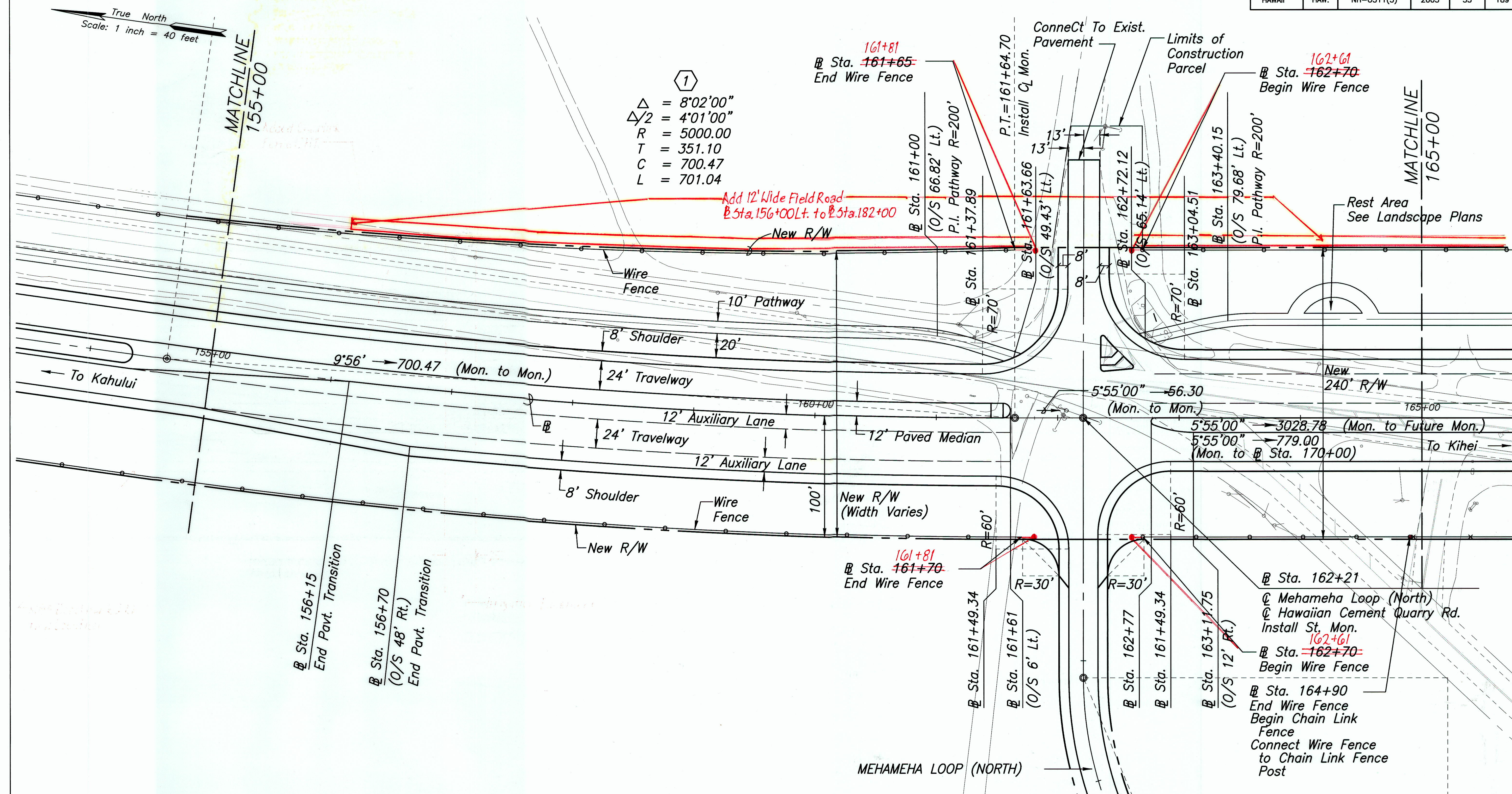
DANIEL S. MIYASHIRO
LICENSED PROFESSIONAL ENGINEER
No. 3443-C
HAWAII U.S.A.

SATO & ASSOCIATES, INC.

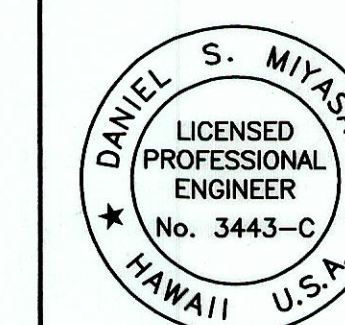
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"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0311(5)	2003	35	189



ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____
	TRACED BY _____
	DESIGNED BY _____
	QUANTITIES BY _____
NO	CHECKED BY _____



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOKULELE HIGHWAY WIDENING

Vicinity of Cane Haul Road

To
Maui Humane Society

Federal - Aid Project No. NH-0311(5)

Scale: 1"=40' Date: JUNE 2002

12/23/02	Added Chain Link Fence
DATE	REVISION

Sato Miyasato
SATO & ASSOCIATES, INC.

SHEET No. 10 OF 13 SHEETS

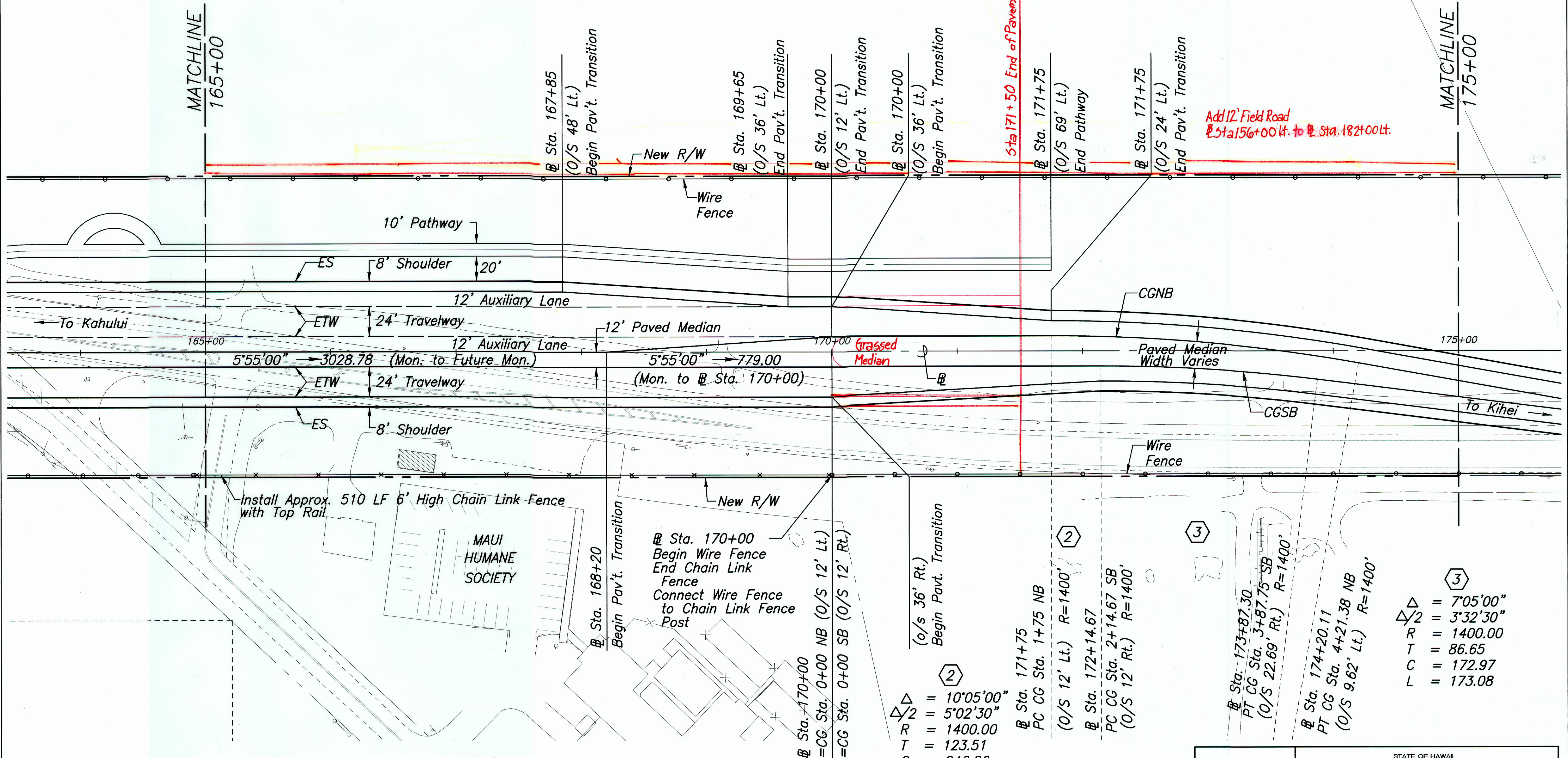
REVISION

"AS-BUILT"

ADD. 35

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0311(5)	2003	36	189

True North
Scale: 1 inch = 40 feet



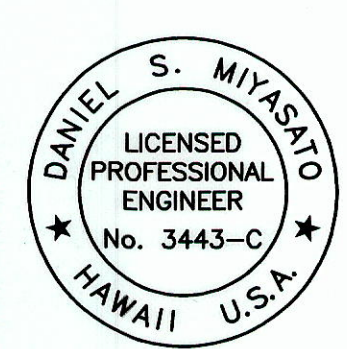
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

②
 $\Delta/2 = 10'05'00''$
 $R = 1400.00$
 $T = 123.51$
 $C = 246.06$
 $L = 246.38$

②
 Sta. 171+75
 PC CG Sta. 1+75 NB
 (O/S 12' Lt.) R=1400'
 Sta. 172+14.67
 PC CG Sta. 2+14.67 SB
 (O/S 12' Rt.) R=1400'

③
 Sta. 173+87.30
 PT CG Sta. 3+87.75 SB
 (O/S 22.69' Rt.) R=1400'
 Sta. 174+20.11
 PT CG Sta. 4+21.38 NB
 (O/S 9.62' Lt.) R=1400'

③
 $\Delta = 7'05'00''$
 $\Delta/2 = 3'32'30''$
 $R = 1400.00$
 $T = 86.65$
 $C = 172.97$
 $L = 173.08$



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY
 MOKULELE HIGHWAY WIDENING
 Vicinity of Cane Haul Road
 To
 Maui Humane Society
 Federal - Aid Project No. NH-0311(5)
 Scale: 1"=40' Date: JUNE 2002

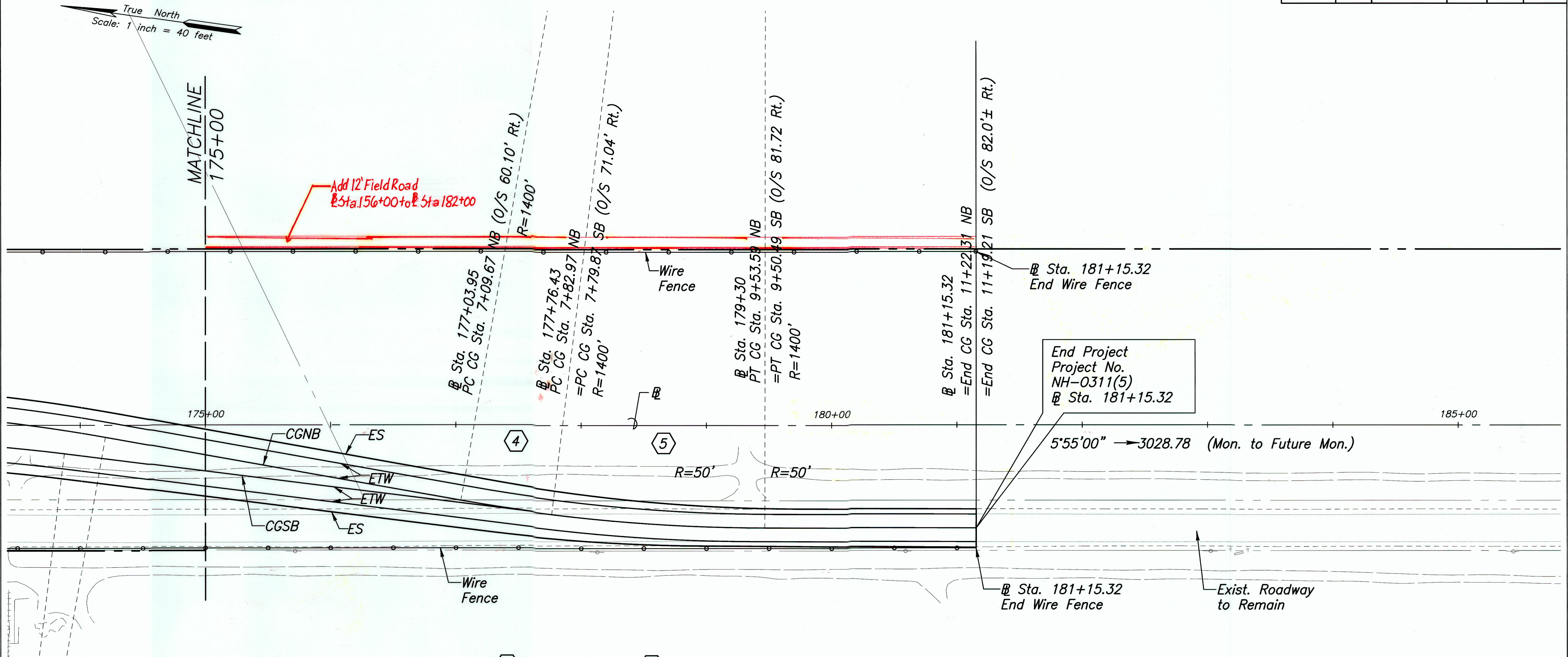
12/23/02	Added Chain Link Fence
DATE	REVISION

"AS-BUILT"

SHEET No. 11 OF 13 SHEETS

ADD. 36

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0311(5)	2003	37	189



4	5
$\Delta = 9^{\circ}58'57''$	$\Delta = 6^{\circ}58'57''$
$\Delta/2 = 4^{\circ}59'28.5''$	$\Delta/2 = 3^{\circ}29'28.5''$
$R = 1400.00$	$R = 1400.00$
$T = 122.27$	$T = 85.41$
$C = 243.61$	$C = 170.51$
$L = 243.92$	$L = 170.62$

DATE	
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

12/23/02	Deleted Future Access Road Text
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOKULELE HIGHWAY WIDENING

Vicinity of Cane Haul Road

To
Maui Humane Society

Federal - Aid Project No. NH-0311(5)

Scale: 1"=40' Date: JUNE 2002

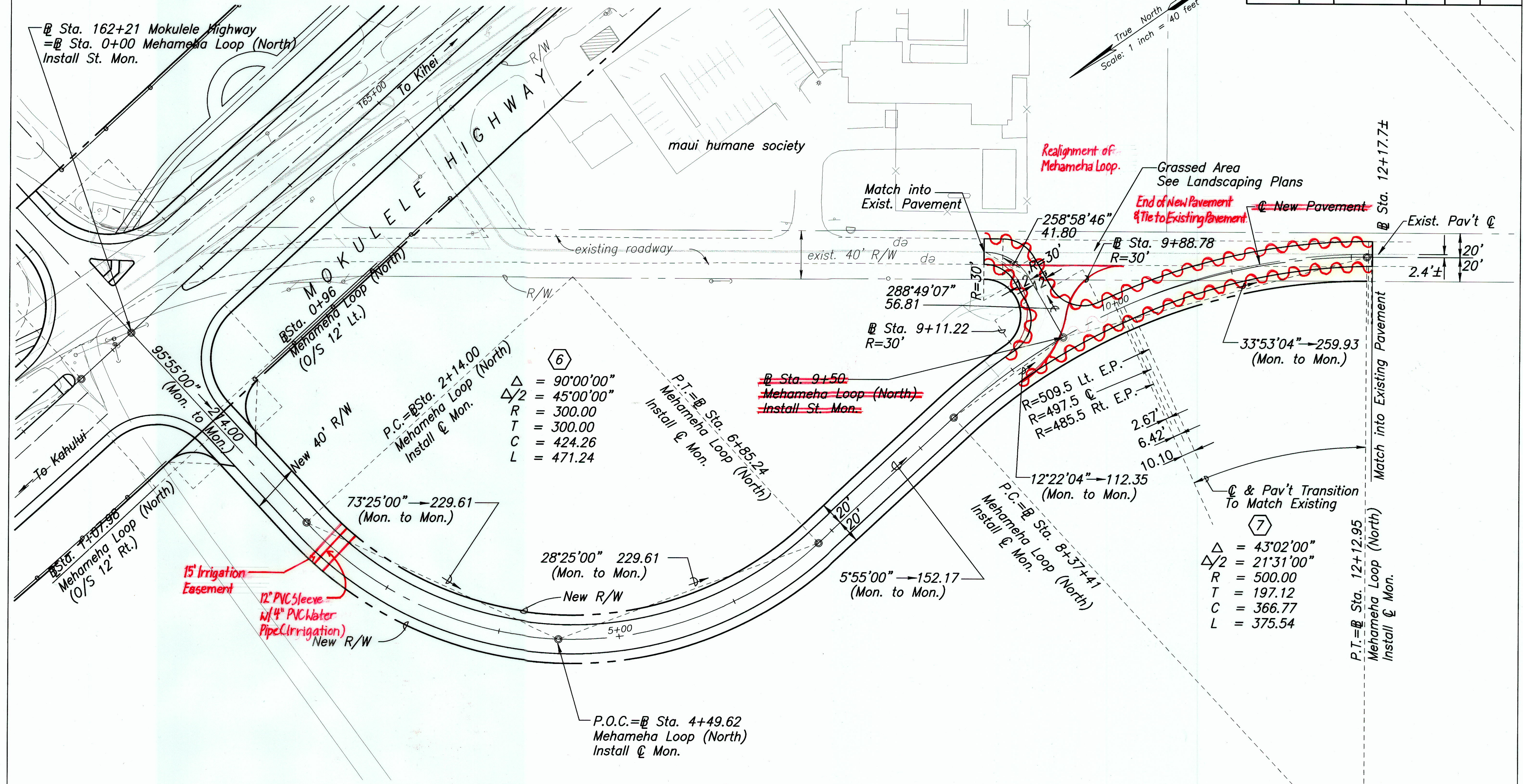
SHEET No. 12 OF 13 SHEETS

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"AS-BUILT"

ADD. 37

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-0311(5)	2003	38	189



MEHAMEHA LOOP (NORTH)

"AS-BUILT"

DANIEL S. MIYASATO
LICENSED PROFESSIONAL ENGINEER
No. 3443-C
HAWAII, U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

MOKULELE HIGHWAY WIDENING

Vicinity of Cane Haul Road
To
Maui Humane Society

Federal - Aid Project No. NH-0311(5)
Scale: 1"=40' Date: JUNE 2002

SHEET No. 13 OF 13 SHEETS