

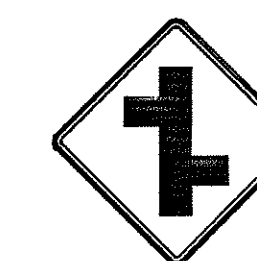
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11E-01-02M	2002	9	37

BEGIN PROJECT
Project No. 11E-01-02M
Sta. 610+00

Sta. 613+90 to 622+00 Lt.
Remove 813 Lin. Ft. Mtl. Guardrail And Posts
Remove 1 - Ramp End Treatments and Concrete Block
Remove 1-Type "G" End Treatment

Sta. 613+86 to 622+85 Lt.
Install 862.5 Lin. Ft. Std. Mtl. Guardrail And Posts
Install 1-"FLEAT 350" Leading End Treatment
Install 1-Type "G" Modified Trailing End Treatment, R=25'

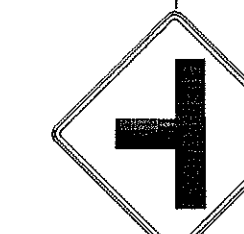
TRUE NORTH
SCALE: 1" = 40'



PRINCE KUHIO St.
LOTUS BLOSSOM Ln.

M.L. # STA. 622+25

Sta. 617+98 to 622+49 Rt.
Remove 450 Lin. Ft. Mtl. Guardrail And Posts
Remove 2 - Ramp End Treatments and Concrete Blocks



LEHUA Ln.

Sta. 627+99 to 629+21 Lt.
Remove 125 Lin. Ft. Mtl. Guardrail And Posts
Remove 2 - Ramp End Treatments and Concrete Blocks

Sta. 627+37 to 630+24 Lt.
Install 250 Lin. Ft. Std. Mtl. Guardrail And Posts
With 2 - 8-Ft. Posts At Culvert
Install 1-"FLEAT 350" Leading End Treatment
Install 1-Type "G" Modified Trailing End Treatment, R=25'

ADOPT A HIGHWAY
LITTER CONTROL
NEXT 2 MILES

MILE 7 7
KM 1 2 4

DO NOT PASS

TRUE NORTH
SCALE: 1" = 40'

Sta. 610+46 to 654+21 Rt.
Install 4300 Lin. Ft. Std. Mtl. Guardrail And Posts
With 127 - 8-Ft. Posts Close To Banks
Install 1-"FLEAT 350" Leading End Treatment
Install 1-"FLEAT 350" Trailing End Treatment

ADOPT A HIGHWAY
LITTER CONTROL
NEXT 2 MILES

NO PASSING ZONE

Sta. 626+69 to 629+56 Rt.
Remove 288 Lin. Ft. Mtl. Guardrail And Posts
Remove 2 - Ramp End Treatments and Concrete Blocks

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

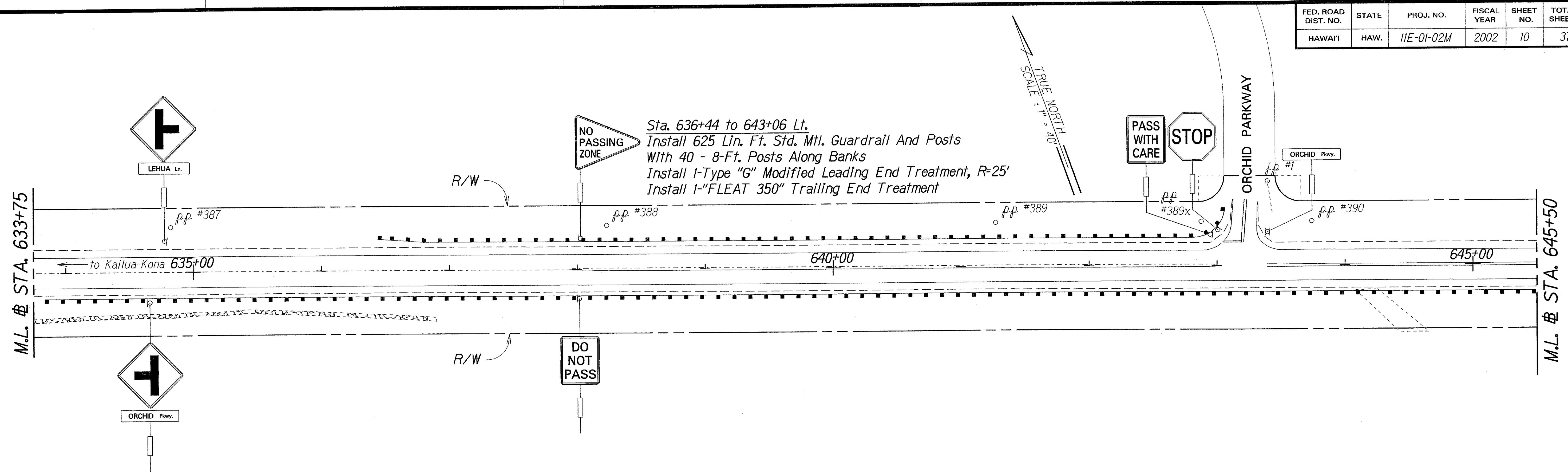
ROADWAY PLAN

HAWAII BELT ROAD
GUARDRAIL & SHOULDER IMPROVEMENTS
VICINITY OF KAHUKU
PROJECT NO. 11E-01-02M

Scale: 1" = 40' Date: April, 2002

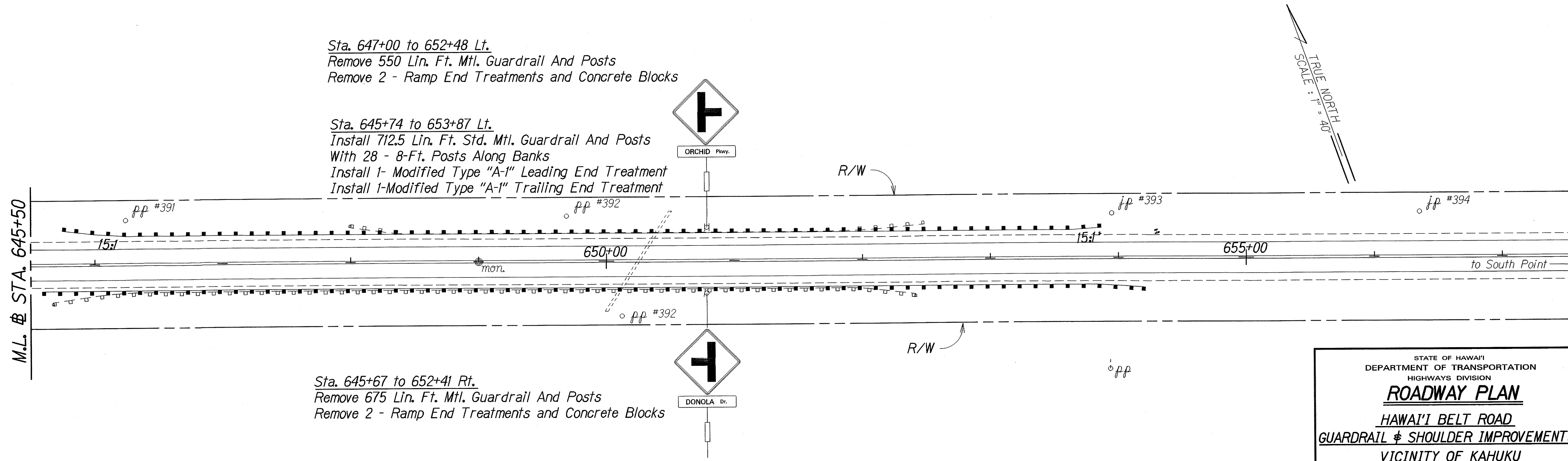
SHEET No. 1 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11E-01-02M	2002	10	37



Sta. 647+00 to 652+48 Lt.
 Remove 550 Lin. Ft. Mtl. Guardrail And Posts
 Remove 2 - Ramp End Treatments and Concrete Blocks

Sta. 645+74 to 653+87 Lt.
 Install 712.5 Lin. Ft. Std. Mtl. Guardrail And Posts
 With 28 - 8-Ft. Posts Along Banks
 Install 1- Modified Type "A-1" Leading End Treatment
 Install 1-Modified Type "A-1" Trailing End Treatment



Sta. 645+67 to 652+41 Rt.
 Remove 675 Lin. Ft. Mtl. Guardrail And Posts
 Remove 2 - Ramp End Treatments and Concrete Blocks

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

ROADWAY PLAN

HAWAII BELT ROAD

GUARDRAIL & SHOULDER IMPROVEMENTS

VICINITY OF KAHUKU

PROJECT NO. 11E-01-02M

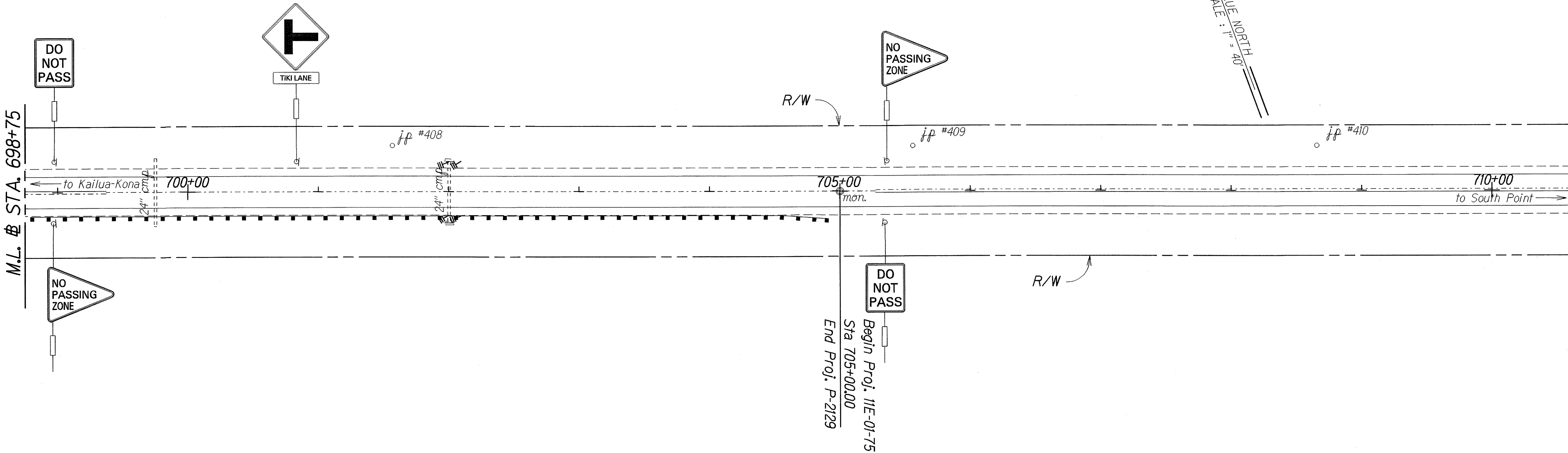
Scale: 1" = 40' Date: April, 2002

SHEET No. 2 OF 8 SHEETS

10

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
26/02/02	
N. 1001	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11E-01-02M	2002	12	37



Sta. 740+75 to 741+75 Lt.
 Remove 100 Lin. Ft. Mtl. Guardrail And Posts
 Remove 2 - Ramp End Treatments and Concrete Blocks

Sta. 738+81 to 742+44 Lt.
 Install 262.5 Lin. Ft. Std. Mtl. Guardrail And Posts
 With 15 - 8-Ft. Posts Along Bank
 Install 1- Modified Type "A-1" Leading End Treatment
 Install 1-Modified Type "A-1" Trailing End Treatment

Sta. 738+44 to 742+28 Rt.
 Install 325 Lin. Ft. Std. Mtl. Guardrail And Posts
 Install 1- Modified Type "A-1" Leading End Treatment
 Install 1-Type "G" Modified Trailing End Treatment, R=25'

Sta. 738+89 to 742+27 Rt.
 Remove 337.5 Lin. Ft. Mtl. Guardrail And Posts
 Remove 1 - Ramp End Treatments and Concrete Blocks
 Remove 1-Type "C" End Treatment

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
2011/04/04	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

ROADWAY PLAN

HAWAII BELT ROAD

GUARDRAIL & SHOULDER IMPROVEMENTS

VICINITY OF KAHUKU

PROJECT NO. 11E-01-02M

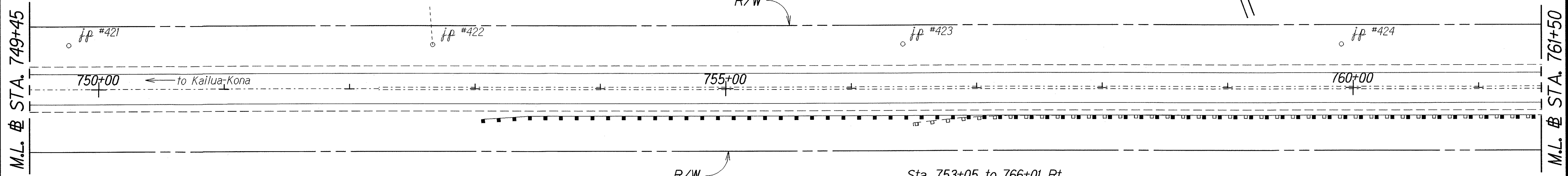
Scale: 1" = 40'

Date: April, 2002

SHEET No. 4 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11E-01-02M	2002	13	37

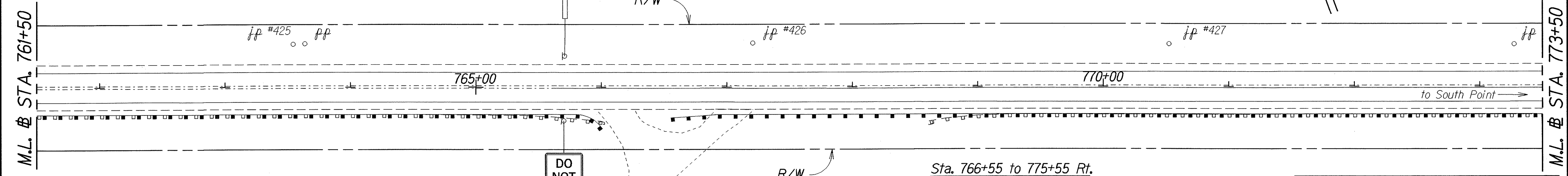
TRUE NORTH
SCALE: 1" = 40'



Sta. 753+05 to 766+01 Rt.
Install 1250 Lin. Ft. Std. Mtl. Guardrail And Posts
With 12 - 8-Ft. Posts Along Bank
Install 1-"FLEAT 350" Leading End Treatment
Install 1-Type "G" Modified Trailing End Treatment, R=25'

Sta. 756+51 to 766+00 Rt.
Remove 950 Lin. Ft. Mtl. Guardrail And Posts
Remove 2 - Ramp End Treatments and Concrete Blocks

TRUE NORTH
SCALE: 1" = 40'



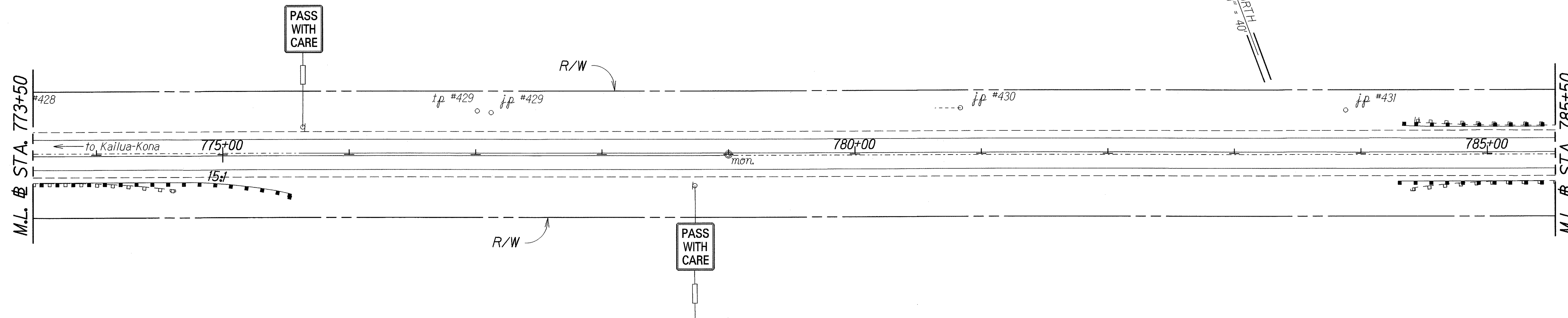
Sta. 766+55 to 775+55 Rt.
Install 812.5 Lin. Ft. Std. Mtl. Guardrail And Posts
With 5 - 8-Ft. Posts At Culverts
Install 1-"FLEAT 350" Leading End Treatment
Install 1-Modified Type "A-1" Trailing End Treatment

Sta. 768+62 to 774+62 Rt.
Remove 600 Lin. Ft. Mtl. Guardrail And Posts
Remove 2 - Ramp End Treatments and Concrete Blocks

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
HAWAII BELT ROAD
GUARDRAIL & SHOULDER IMPROVEMENTS
VICINITY OF KAHUKU
PROJECT NO. 11E-01-02M
Scale: 1" = 40' Date: April, 2002
SHEET No. 5 OF 8 SHEETS

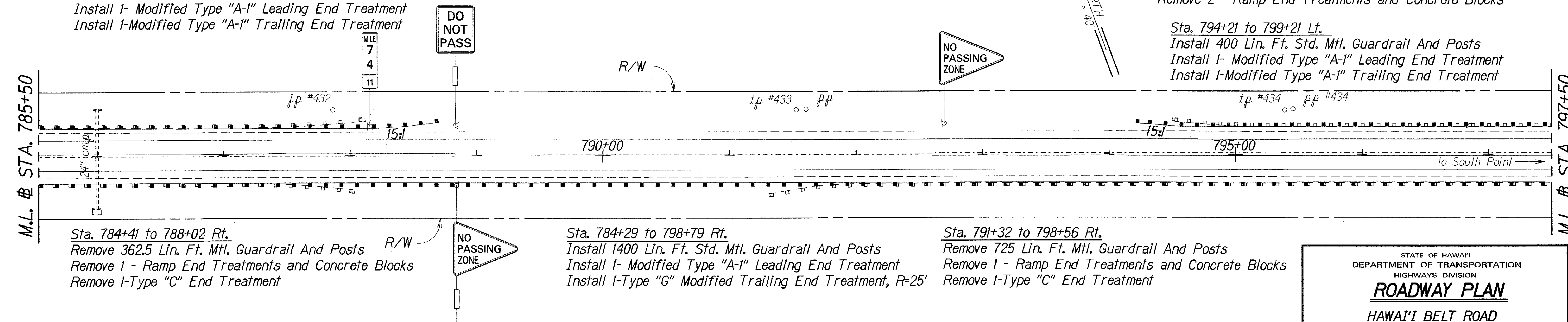
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BOOK	DRAWN BY	
20/04/05	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11E-01-02M	2002	14	37



Sta. 784+44 to 788+11 Lt.
 Remove 362.5 Lin. Ft. Mtl. Guardrail And Posts
 Remove 1-Type "F" End Treatment
 Remove 1-Type "C" End Treatment

Sta. 784+33 to 788+70 Lt.
 Install 337.5 Lin. Ft. Std. Mtl. Guardrail And Posts
 Install 1- Modified Type "A-1" Leading End Treatment
 Install 1-Modified Type "A-1" Trailing End Treatment



Sta. 784+41 to 788+02 Rt.
 Remove 362.5 Lin. Ft. Mtl. Guardrail And Posts
 Remove 1 - Ramp End Treatments and Concrete Blocks
 Remove 1-Type "C" End Treatment

Sta. 784+29 to 798+79 Rt.
 Install 1400 Lin. Ft. Std. Mtl. Guardrail And Posts
 Install 1- Modified Type "A-1" Leading End Treatment
 Install 1-Type "G" Modified Trailing End Treatment, R-25'

Sta. 791+32 to 798+56 Rt.
 Remove 725 Lin. Ft. Mtl. Guardrail And Posts
 Remove 1 - Ramp End Treatments and Concrete Blocks
 Remove 1-Type "C" End Treatment

Sta. 794+52 to 798+95 Lt.
 Remove 450 Lin. Ft. Mtl. Guardrail And Posts
 Remove 2 - Ramp End Treatments and Concrete Blocks

Sta. 794+21 to 799+21 Lt.
 Install 400 Lin. Ft. Std. Mtl. Guardrail And Posts
 Install 1- Modified Type "A-1" Leading End Treatment
 Install 1-Modified Type "A-1" Trailing End Treatment

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY PLAN

HAWAII BELT ROAD

GUARDRAIL & SHOULDER IMPROVEMENTS

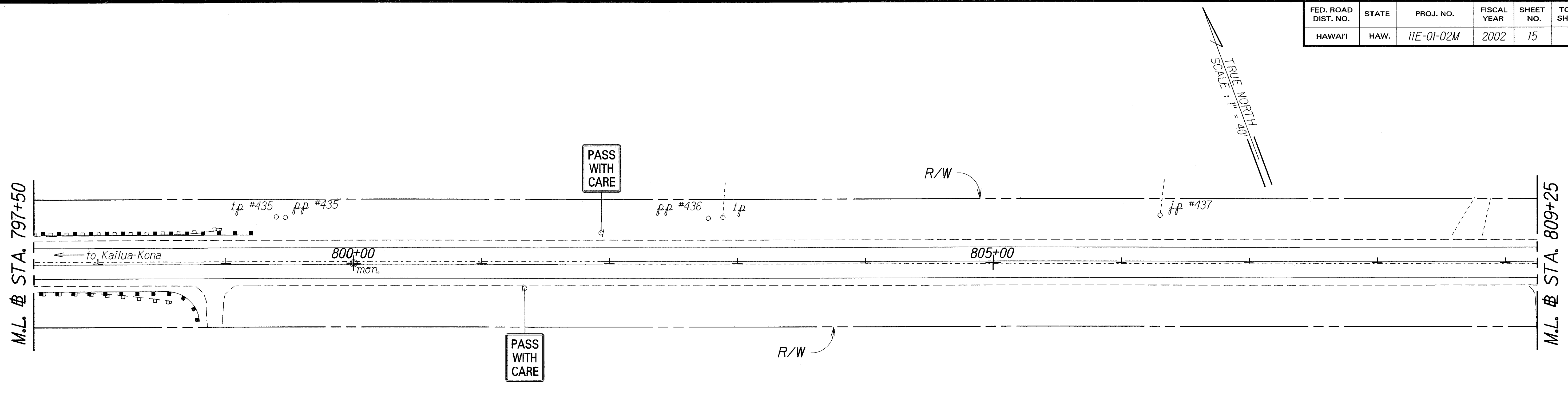
VICINITY OF KAHUKU

PROJECT NO. 11E-01-02M

Scale: 1" = 40' Date: April, 2002

SHEET No. 6 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11E-01-02M	2002	15	37

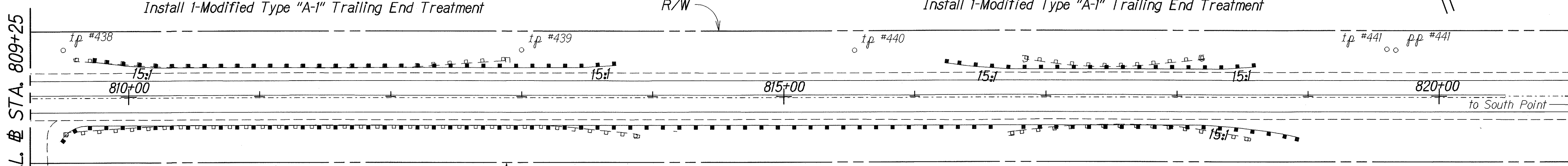


Sta. 809+59 to 812+90 Lt.
Remove 337.5 Lin. Ft. Mtl. Guardrail And Posts
Remove 1-Type "F" End Treatment
Remove 1-Type "C" End Treatment

Sta. 809+72 to 813+72 Lt.
Install 300 Lin. Ft. Std. Mtl. Guardrail And Posts
Install 1- Modified Type "A-1" Leading End Treatment
Install 1-Modified Type "A-1" Trailing End Treatment

Sta. 816+84 to 818+20 Lt.
Remove 137.5 Lin. Ft. Mtl. Guardrail And Posts
Remove 1-Type "F" End Treatment
Remove 1-Type "C" End Treatment

Sta. 816+23 to 818+60 Lt.
Install 137.5 Lin. Ft. Std. Mtl. Guardrail And Posts
Install 1- Modified Type "A-1" Leading End Treatment
Install 1-Modified Type "A-1" Trailing End Treatment



Sta. 809+51 to 813+88 Rt.
Remove 437.5 Lin. Ft. Mtl. Guardrail And Posts
Remove 2 - Ramp End Treatments and Concrete Blocks

Sta. 809+48 to 818+93 Rt.
Install 887.5 Lin. Ft. Std. Mtl. Guardrail And Posts
Install 1-Type "G" Modified Leading End Treatment, R=25'
Install 1-Modified Type "A-1" Trailing End Treatment

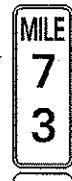
Sta. 816+73 to 818+54 Rt.
Remove 187.5 Lin. Ft. Mtl. Guardrail And Posts
Remove 2 - Ramp End Treatments and Concrete Blocks

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
HAWAII BELT ROAD
GUARDRAIL & SHOULDER IMPROVEMENTS
VICINITY OF KAHUKU
PROJECT NO. 11E-01-02M
Scale: 1" = 40' Date: April, 2002
SHEET No. 7 OF 8 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
20/10/07	TRACED BY	
N.	QUANTITIES BY	
	CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11E-01-02M	2002	16	37

Sta. 832+90 to 835+02 Lt.
 Remove 212.5 Lin. Ft. Mtl. Guardrail And Posts
 Remove 2 - Ramp End Treatments and Concrete Blocks
 Sta. 832+87 to 835+25 Lt.
 Install 187.5 Lin. Ft. Std. Mtl. Guardrail And Posts
 With 4 - 8-Ft. Posts Along Bank
 Install 1- Modified Type "A-1" Leading End Treatment
 Install 1-Type "G" Modified Trailing End Treatment, R=25'



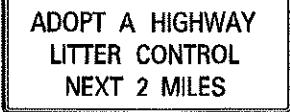
to Kailua-Kona
 mon.

835+00

840+00

mon.

to South Point



Sta. 832+70 to 836+57 Rt.
 Install 350 Lin. Ft. Std. Mtl. Guardrail And Posts
 With 22 - 8-Ft. Posts Along Bank
 Install 1-Type "G" Modified Leading End Treatment, R=25'
 Install 1-"FLEAT 350" Trailing End Treatment

Sta. 832+87 to 834+86 Rt.
 Remove 200 Lin. Ft. Mtl. Guardrail And Posts
 Remove 2 - Ramp End Treatments and Concrete Blocks

END PROJECT
 Project No. 11E-01-02M
 Sta. 837+00

TRUE NORTH
 SCALE: 1" = 40'

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY PLAN
 HAWAII BELT ROAD
 GUARDRAIL & SHOULDER IMPROVEMENTS
 VICINITY OF KAHUKU
 PROJECT NO. 11E-01-02M
 Scale: 1" = 40' Date: April, 2002