

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-019-2(31)	1993	5	13

WAIANUENUE AVENUE INTERSECTION
Remove existing and install new loop detectors. See Sheet No. 13 for details.

STA. 3+30 TO STA. 3+55 ± L+.
Remove existing guardrail and install Guardrail Type "G"
Flare w/rounded end. (25 L.F.)
connect to existing guardrail.

STA. 4+00 ± TO STA. 8+50 ± L+.
Remove Existing Wooden Guardrails and Concrete Posts. Install Metal Conc. Barrier Guardrail Type 3 with Rub Rail on (See Detail) Steel Posts with Type "G" Flares.
ESTIMATED QUANTITIES
400 L.F. Guardrail Type 3 single w/Rub Rail on Steel Posts
50 L.F. Guardrail Type 3, single with Steel Posts

STA. 0+00 TO STA. 0+50
Bridge Approach Reconstruction
See Detail Sheet No. 4

STA. 2+55 TO STA. 6+65
Remove and Dispose of Existing Curbing. Install New Curbs to 6" Above Finished Grade. See State Standard Plan D-04, Curb, Type 2D. Fill Curbed Median Areas with Planting Soil and Resod. Match New Curb Heights.

Reconstruct Pavement and Pave with 2" A.C. Mix IV. Match Final Grade to Existing Grade and Concrete Gutters. See Details Sheet 11.

STA. 6+00 TO STA. 9+00
Correct Roadway Ponding with Additional A.C. Mix IV Leveling Course.
ESTIMATED QUANTITIES
300 Tons Leveling Course

Install Type 4611G Gutter. Estimated quantity 20 Tons, A.C. Mix IV. See Sheet No. 4 for Details.

Sta. 1+50 to 27+50 L+.
Install Paving Fabric 12' Wide over Left (Makai) Lane

STA. 15+50 R+.
Reset Drop Inlet Frame and Grate to Match New Grade. Install Modified Type A-2P Frame and Grate, for 2'-8"x2' Grate Opening. See General Note No. 1B

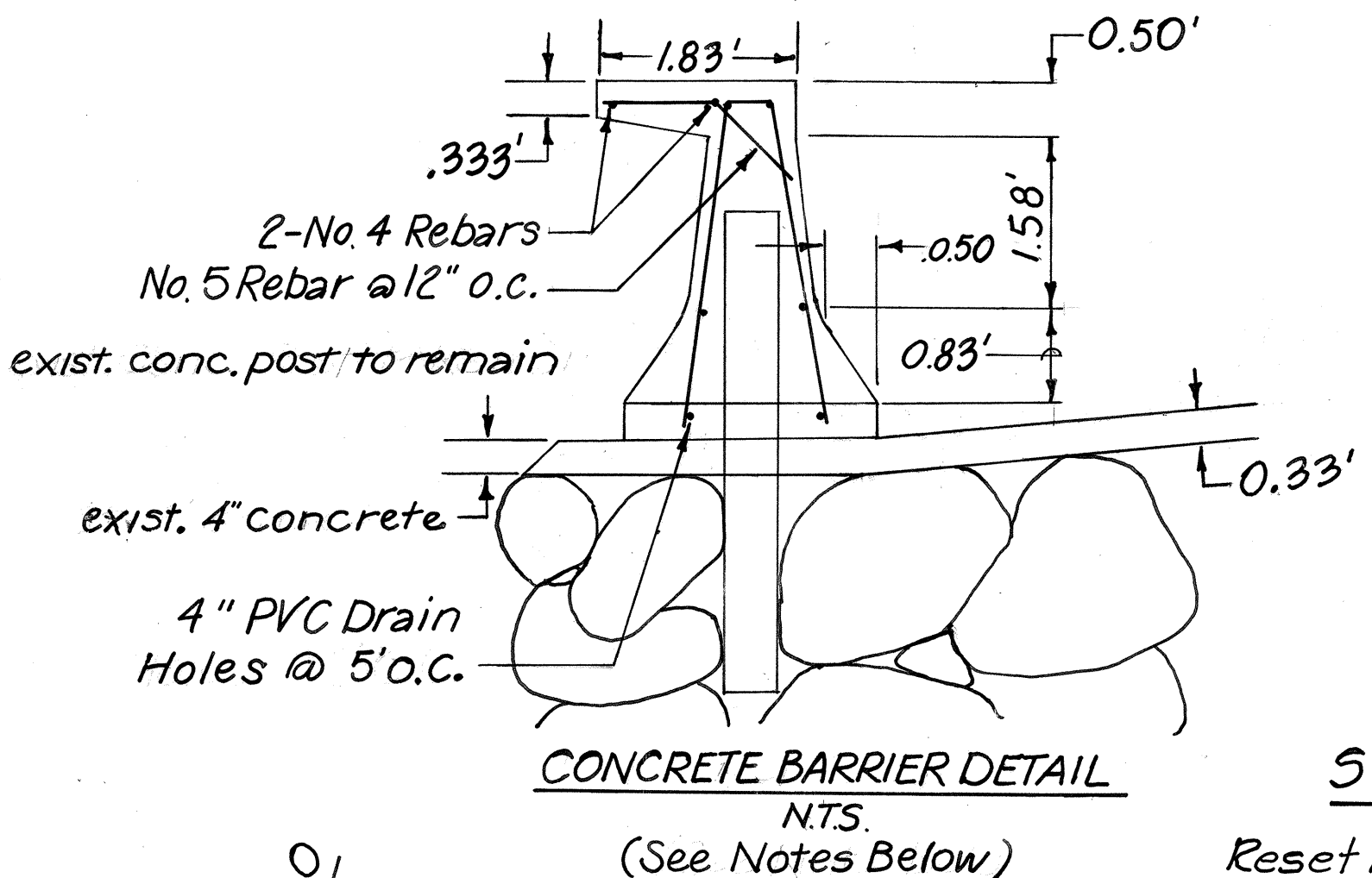
- NOTES:
- For rebar sizes & spacing see Std. Plan TE-64.
 - Barrier shall be cast in place using Class A concrete.
 - Provide drain holes @ 5' O.C.
 - For Const. & Expansion joint detail see Std. Plan sheet TE-63
 - Existing conc. post shall be cleaned prior to casting barrier sections
 - Approx. length = 474 ft.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PLAN
HILO BAYFRONT HIGHWAY RESURFACING
FED. AID PROJ. STP-019-2(31)
Scale: 1"=50' Date: April 1993
SHEET No. 1 OF 2 SHEETS

HILO BAY

Waialuku River



Match Line Sta. 11+00

Match Line Sta. 11+00

Match Line Sta. 26+00

To Wailoa Bridge

To Honokaa

End Bridge/End Proj. SDE3(8)
Sta. 86+64.46
= STA. 0+00
BEGIN F.A. PROJ. NO.
STP-019-2(31)

TRUE NORTH

TRUE NORTH

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

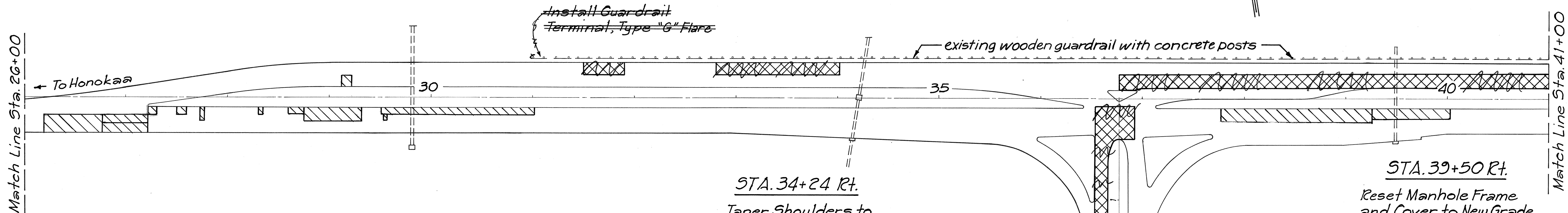
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-019-2(31)	1993	6	13

PAUAHI STREET INTERSECTION

Remove Existing and Install New Loop Detectors.
See Sheet No. 13 for Details.

Sta. 27+50 to Sta. 49+50
Install Paving Fabric 24' Wide Over Left (Makai) Lane

TRUE NORTH



STA. 27+20 TO STA. 47+00

Remove and Dispose of Existing Curbing. Install New Curbs to 6" Above Finished Grade. See State Standard Plan D-04, Curb, Type 2D. Fill Curbed Median Areas with Planting Soil and Resod. Match New Curb Heights.

STA. 34+24 Rt.

Taper Shoulders to Drop Inlet Opening

Reconstruct Pavement and Pave with 2" A.C. Mix IV. Match Final Grade to Existing Grade and Concrete Gutters.

Reconstruct Pavement and Pave with 2" A.C. Mix IV. Set Final Grade to Taper from New Pavement Elevation, Makai Side to Existing Elevation Mauka Side.

~~STA. 31+00 TO STA. 45+15 Lf.~~

~~Remove Existing Wooden Guardrail and Concrete Posts. Install Metal Guardrail, Type 3 with Steel Posts.~~

~~ESTIMATED QUANTITIES~~

~~1415 L.F. Guardrail, Type 3 with Steel Posts with 2 Type "G" Flares. Flare approach end with 8:1 taper at 4' min. offset from edge of pavement. Remove exist. concrete posts in front of new guardrail. Removal incidental to guardrail.~~

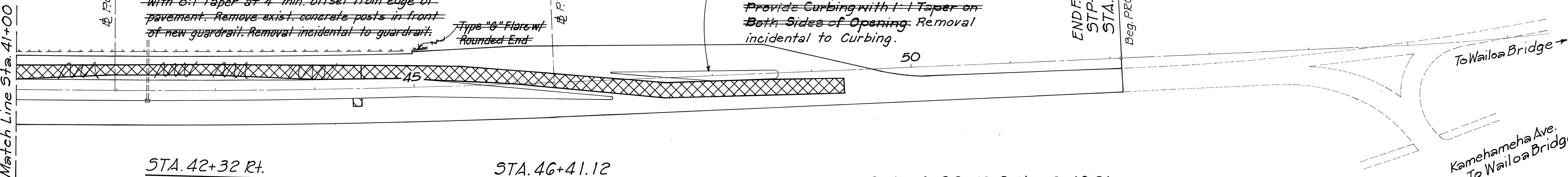
Type "G" Flare w/ Rounded End

Remove Existing A.C. Rolled Curb. Resurface Island and Roadway with 2" A.C. Mix IV. Reinstall New Type 6 Curbing with 6" of Drainage Openings Spaced @ 5' - 6" O.C. Provide Curbing with 1:1 Taper on Both Sides of Opening. Removal incidental to Curbing.

END F.A. PROJ. NO. STP-019-2(31) STA. 52+10.91

Beg. PROJ. BR-019-2(27)

TRUE NORTH



STA. 42+32 Rt.

Reset Drop Inlet Frame and Grate to Match New Grade. Install Modified Type A-2P Frame and Grate, for 2'-8" x 2' Grate Opening. See General Note No. 18.

STA. 46+41.12

Reconstruct & Monument See State Standard Plan D-06

STA. 50+00 TO STA. 52+10.91

Construct 3'-wide New Paved Shoulders with 2" A.C. Mix IV on 6" Aggregate Base Course, Both Sides of Road.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PLAN

HILO BAYFRONT HIGHWAY RESURFACING

FED. AID PROJ. STP-019-2(31)

Scale: 1" = 50' Date: April 1993

SHEET NO. 2 OF 2 SHEETS

ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NO.	