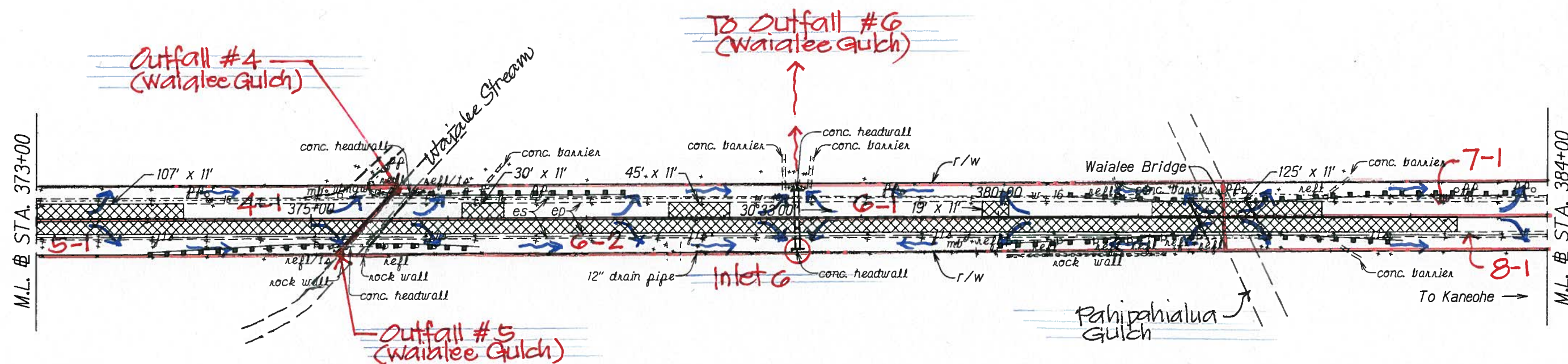
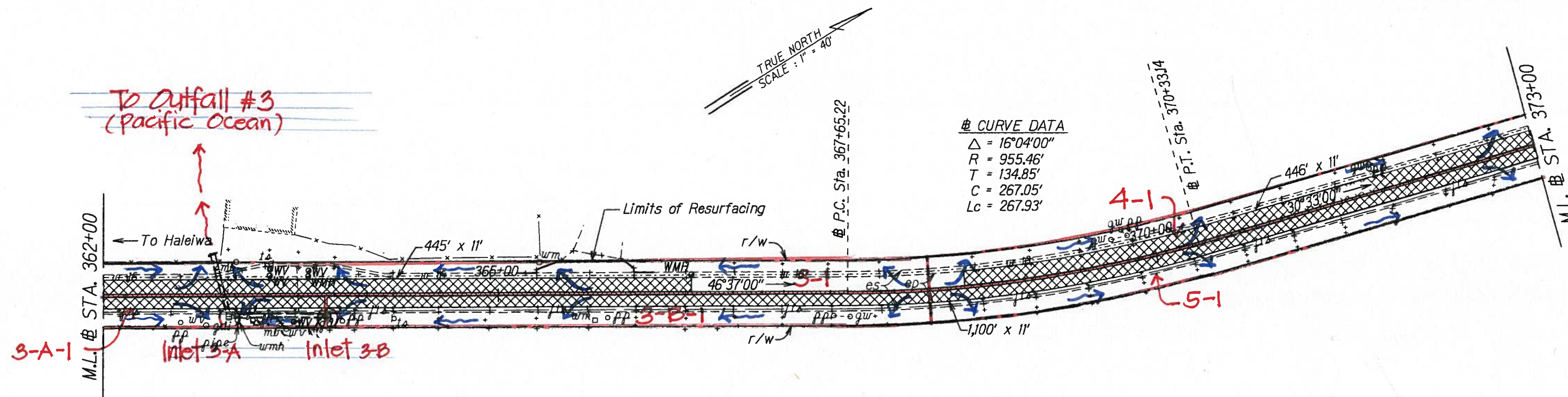


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-(1072)	2014	0	0



ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK dd3146c	DRAWN BY <u>X</u>	_____
	TRACED BY _____	_____
	DESIGNED BY <u>X</u>	_____
	QUANTITIES BY _____	_____
	CHECKED BY _____	_____
	_____	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

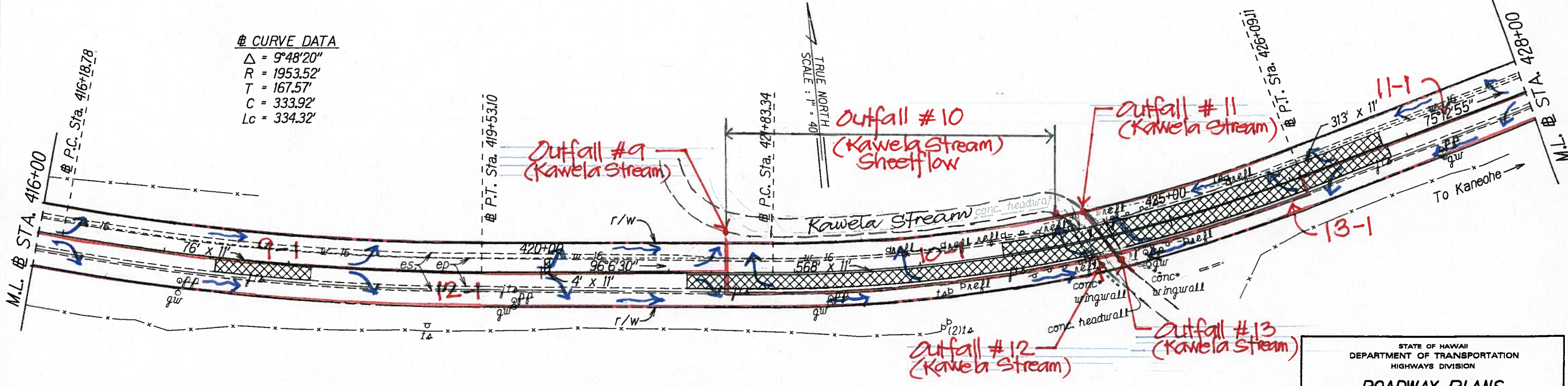
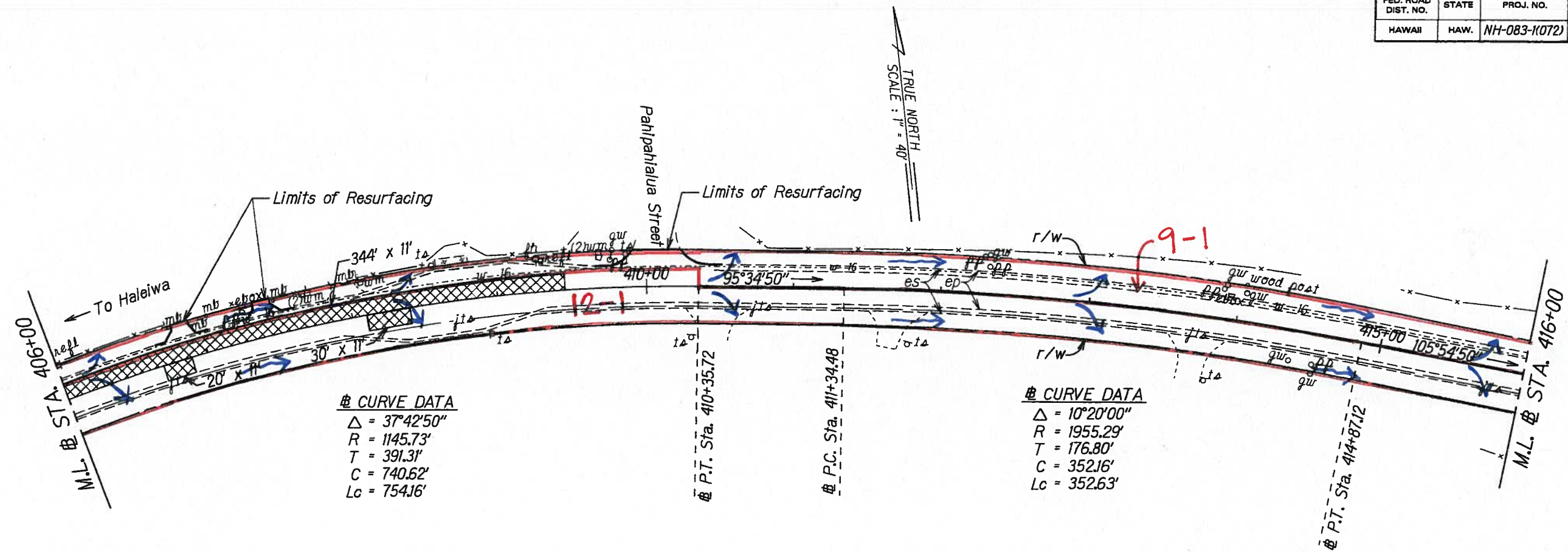
ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiawai Bridge
Federal Aid Project No. NH-083-1(072)

Scale: 1" = 40' Date: March, 2014

SHEET No. 2 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1072	2014	0	0



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE	X
NOTE BOOK	DRAWN BY		
0034/106	TRACED BY		
N. 2/10/10/10	QUANTIFIED BY		
	CHECKED BY		

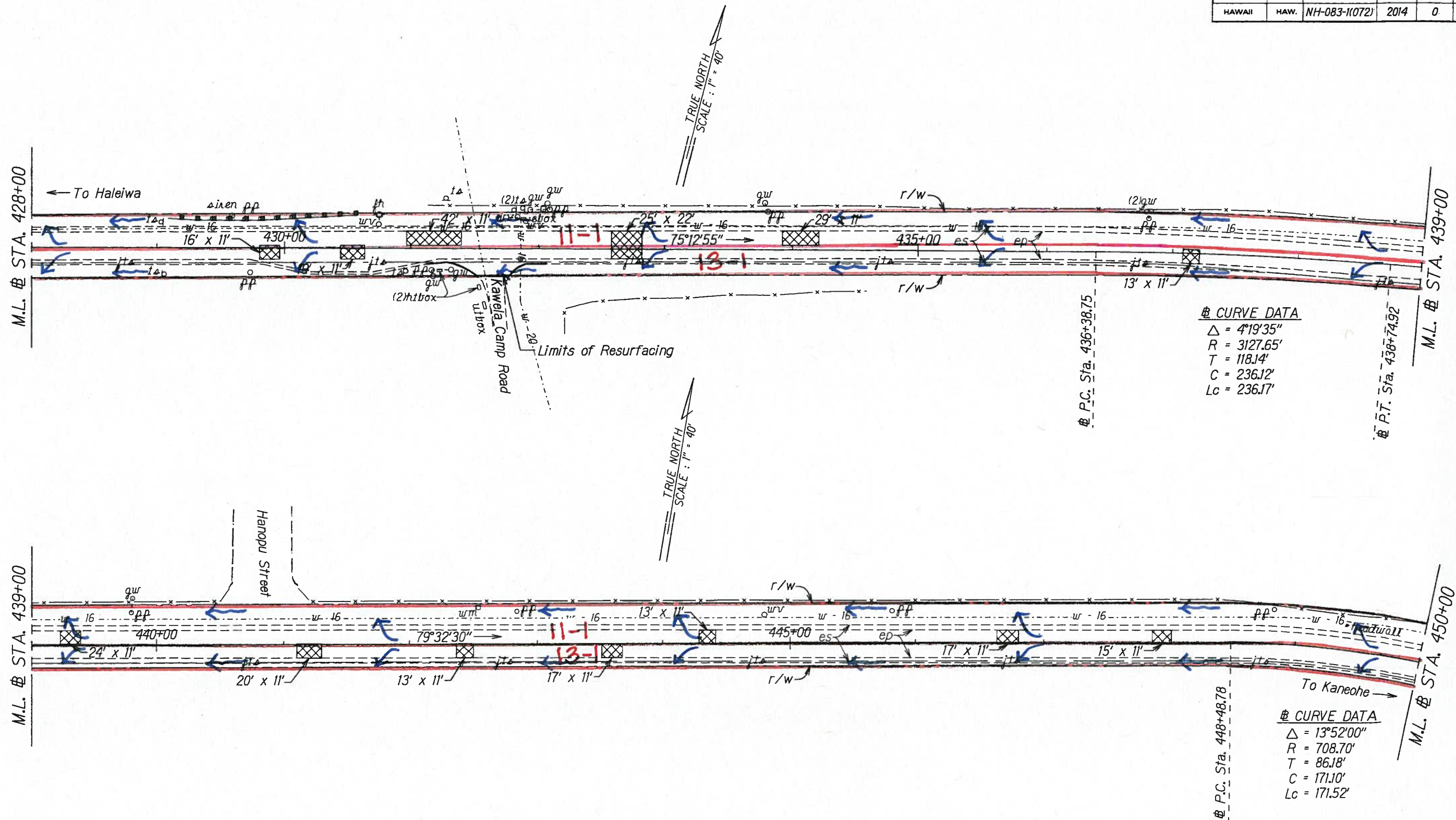
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiawai Bridge
Federal Aid Project No. NH-083-1072

Scale: 1" = 40'
Date: March, 2014

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2014	0	0



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING

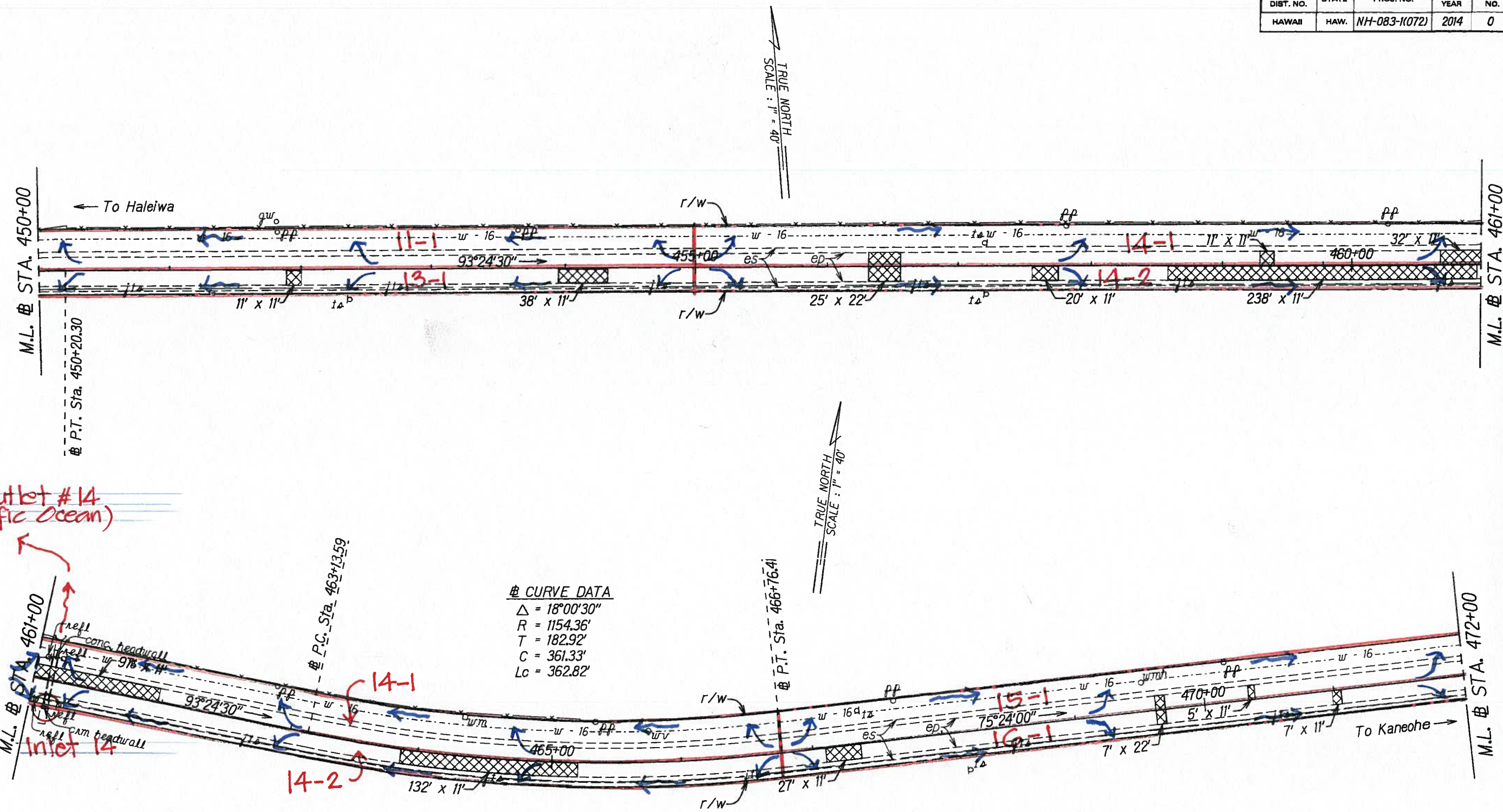
Dairy Road to Laiewai Bridge

Federal Aid Project No. NH-083-1(072)

Scale: 1" = 40'

Date: March, 2014

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2014	0	0



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
0031/10/08	DESIGNED BY	
No. 20/10/08	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

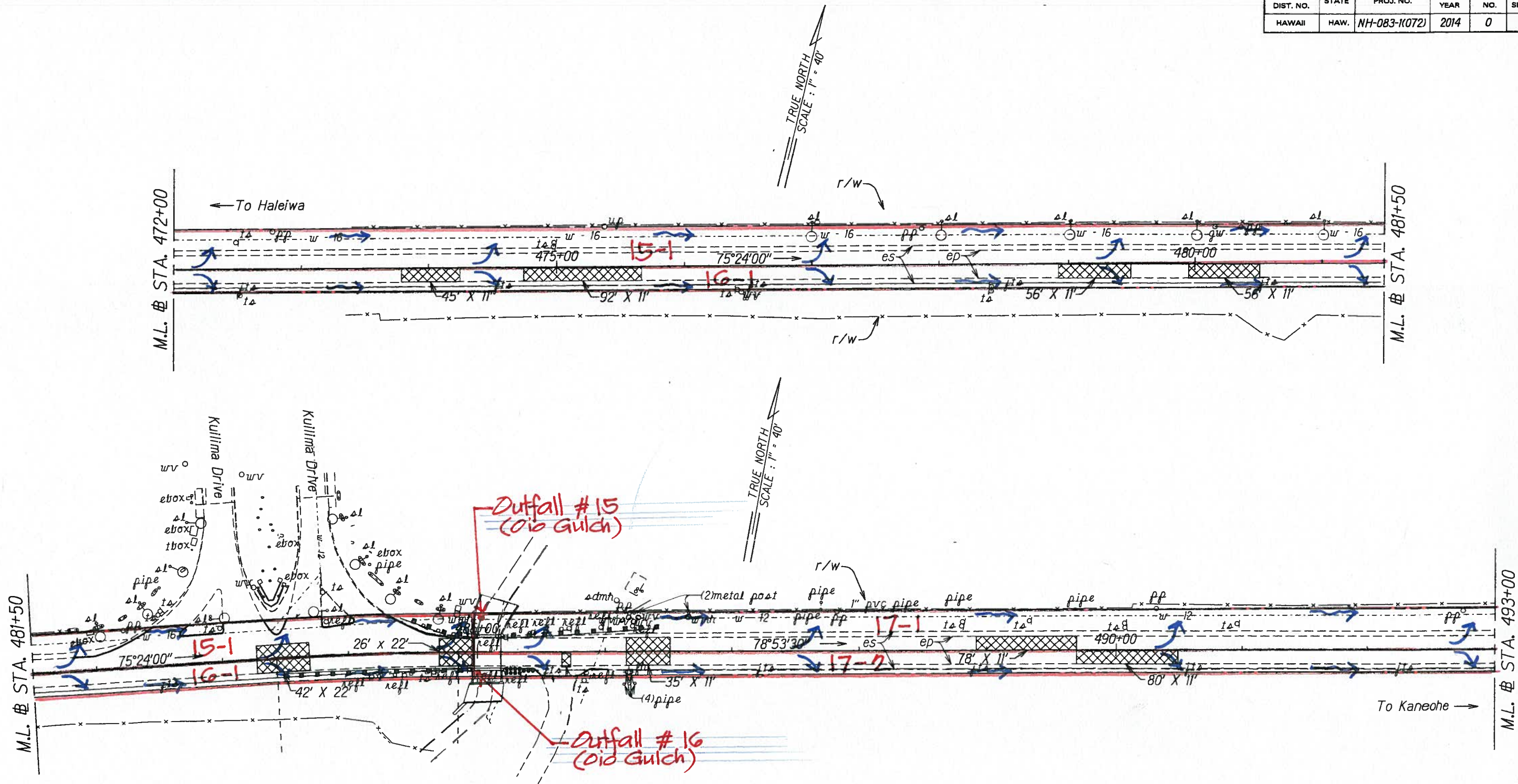
KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiawai Bridge
Federal Aid Project No. NH-083-1(072)

Scale: 1" = 40' Date: March, 2014

SHEET No. 6 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2014	0	0

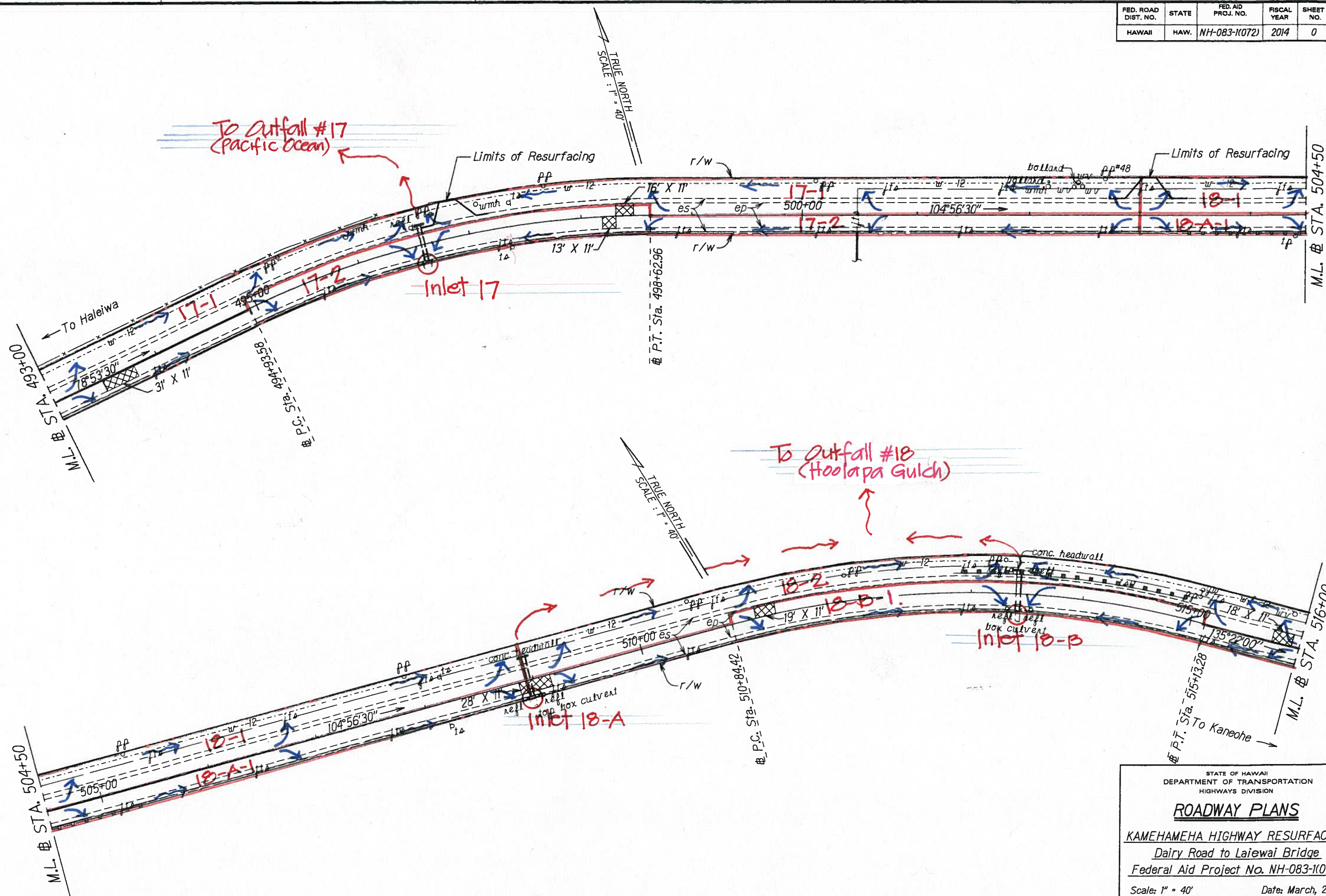
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
003/1/16C	QUANTITIES BY	
N. Amundson	CHECKED BY	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS
KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiawai Bridge
Federal Aid Project No. NH-083-1(072)
Scale: 1" = 40' Date: March, 2014
SHEET No. 7 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2014	0	0



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTES BOOK	DRAWN BY	
003.M/16C	QUANTITIES BY	
N.2/mh/dgn	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

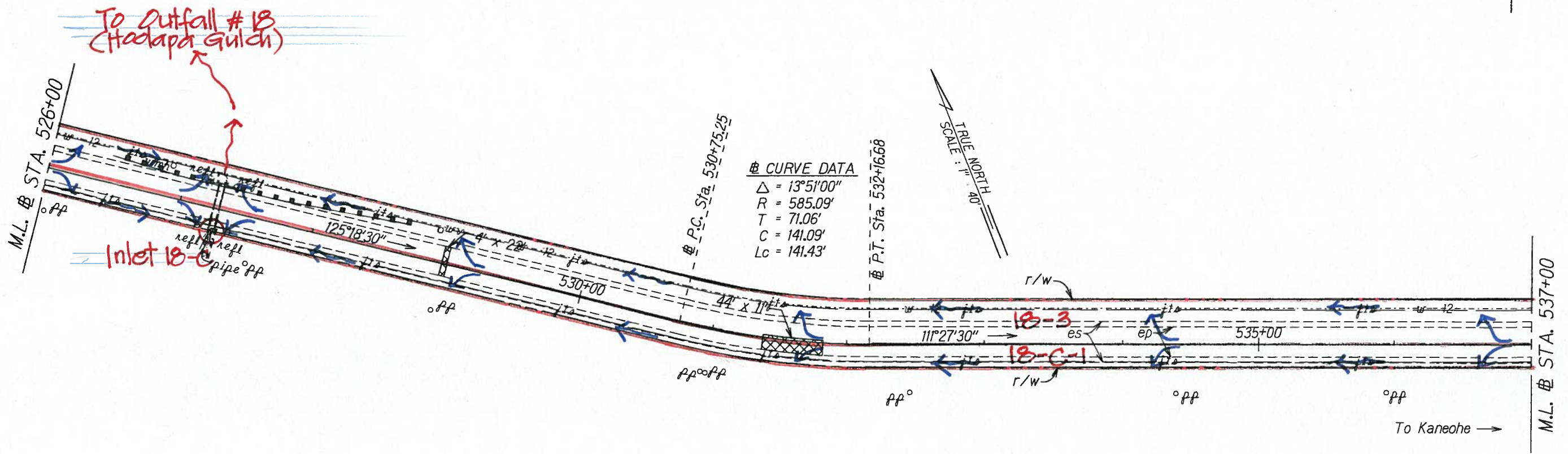
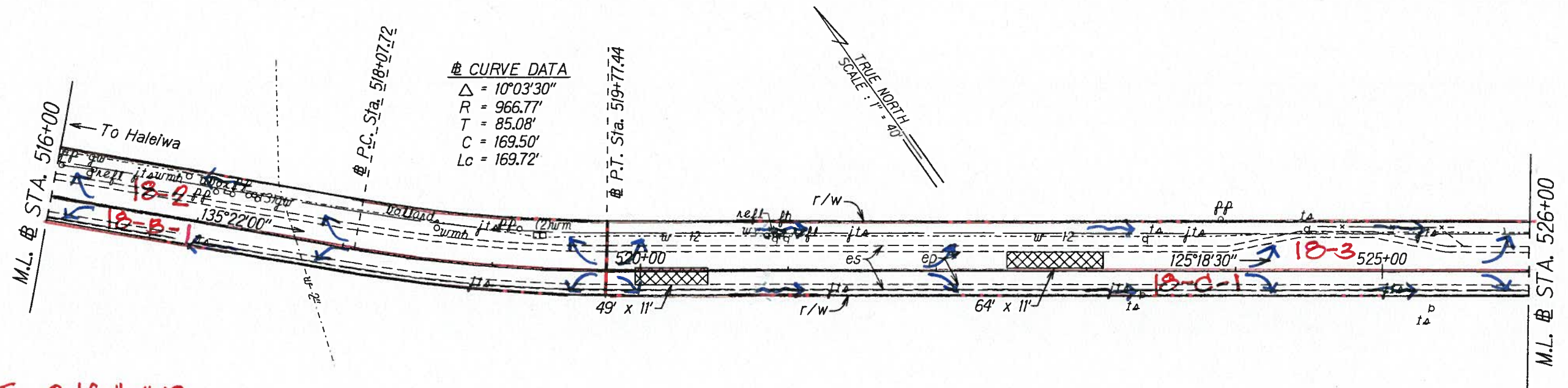
ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiwai Bridge
Federal Aid Project No. NH-083-1(072)

Scale: 1" = 40' Date: March, 2014

SHEET No. 8 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2014	0	0

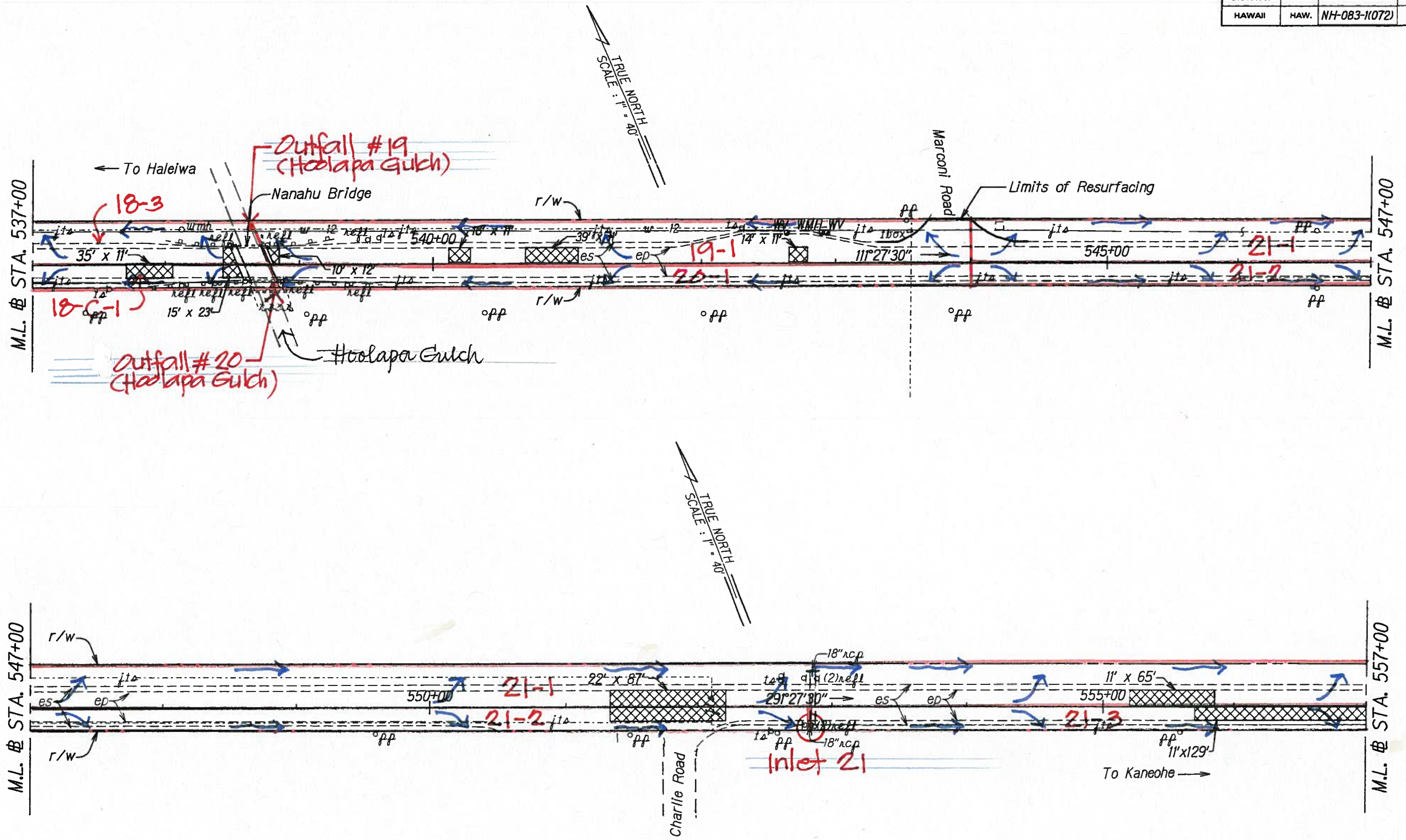


SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS
KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Lajewai Bridge
Federal Aid Project No. NH-083-1(072)
Scale: 1" = 40' Date: March, 2014
SHEET No. 9 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2014	0	0



ORIGINAL PLAN	SURVEY PLATTED BY	DATE
NOTED	DRAWN BY	
NOTED	DESIGNED BY	
NOTED	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING

Dairy Road to Laiwaj Bridge

Federal Aid Project No. NH-083-1(072)

Scale: 1" = 40'

Date: March, 2014

SHEET No. 10 OF 20 SHEETS

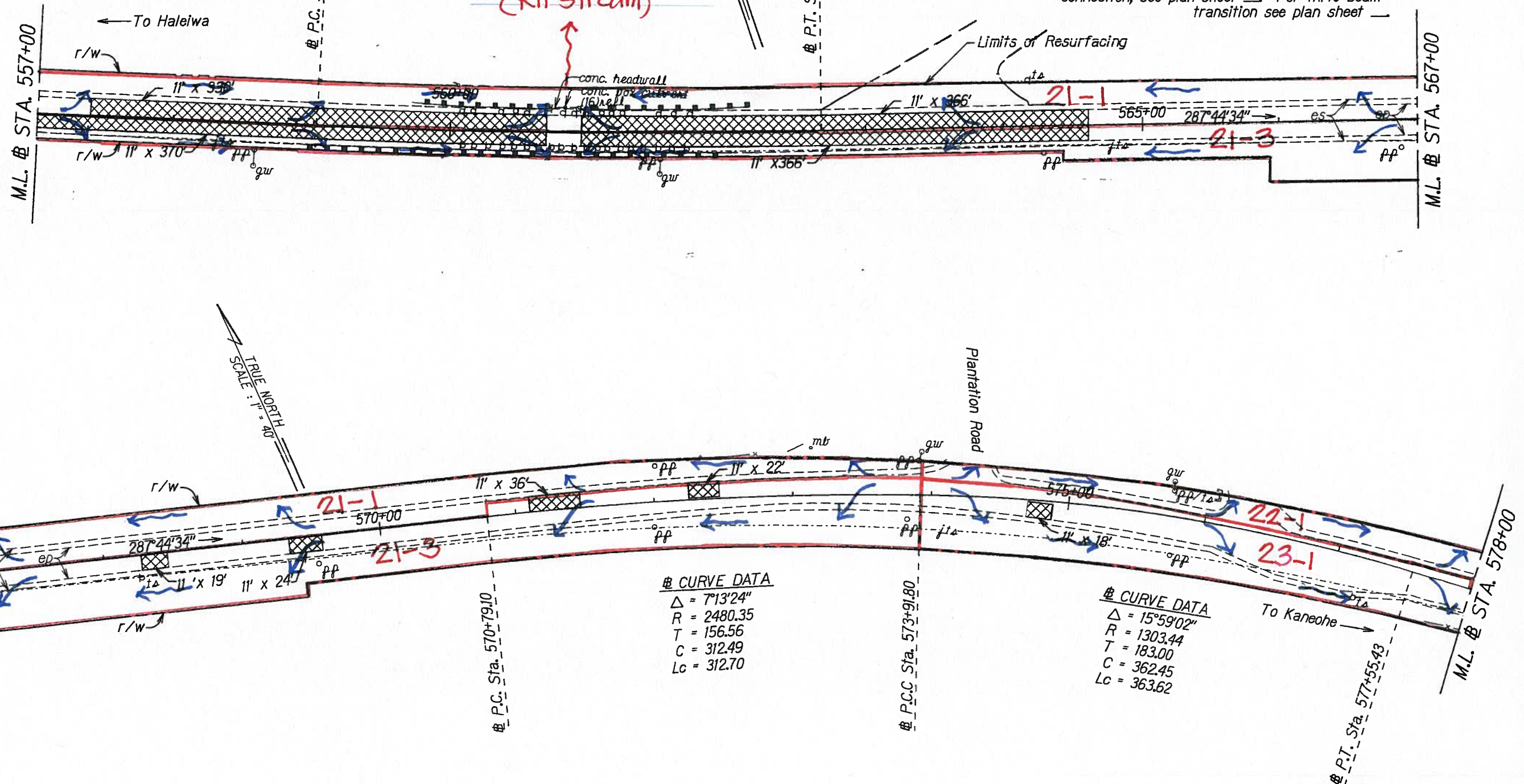
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(073)	2014	0	0

Sta. 559+69.5, Lt. to Sta. 560+69.5, Lt.

Install 37.5 L.F. Strong Post W-Beam (8' post) with thrie beam transition at approach end and FLEAT 350 on trailing end. For FLEAT-350 connection, see plan sheet — For thrie beam transition, see plan sheet —

Sta. 560+94.5, Lt. to Sta. 562+19.5, Lt.

Install 62.5 L.F. Strong Post W-Beam (8' post) with FLEAT-350 at approach end and thrie beam transition at trailing end. For FLEAT-350 connection, see plan sheet — For thrie beam transition see plan sheet —



ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING

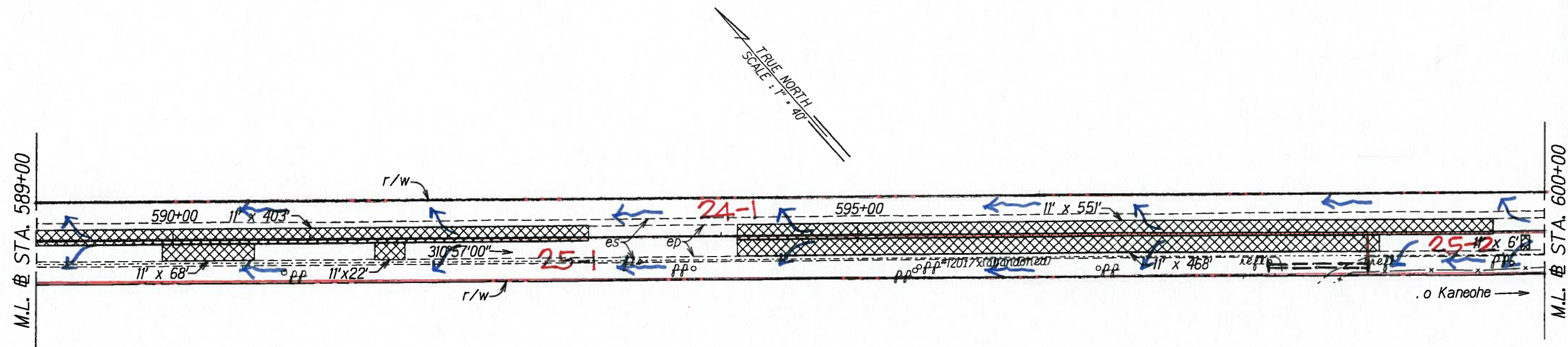
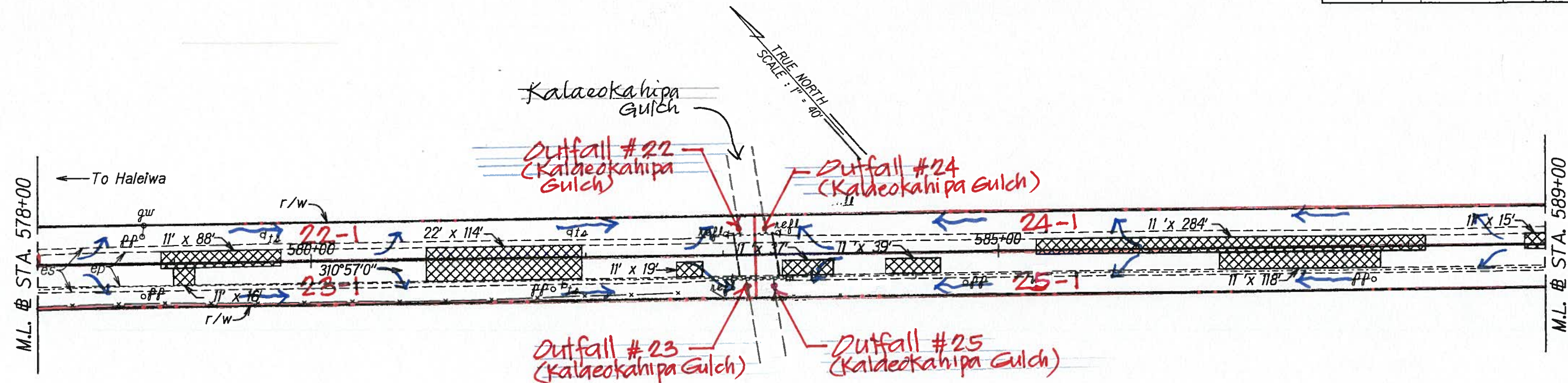
Dairy Road to Laiwai Bridge

Federal Aid Project No. NH-083-1(072)

Scale: 1" = 40' Date: March, 2014

SHEET No. 11 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(073)	2014	0	0



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

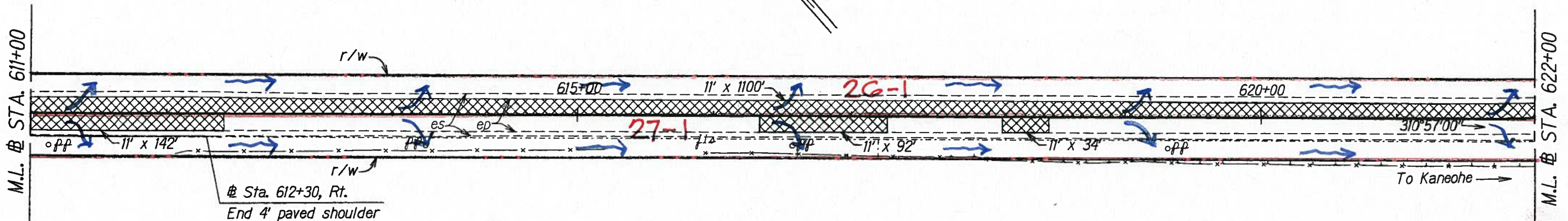
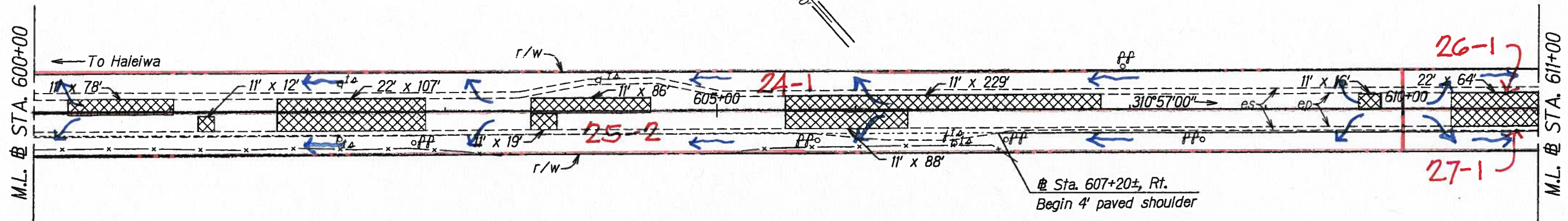
ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiawai Bridge
Federal Aid Project No. NH-083-1(072)

Scale: 1" = 40' Date: March, 2014

SHEET No. 12 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2014	0	0



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
NOTES BOOK	
QUANTITIES BY	
CHECKED BY	
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

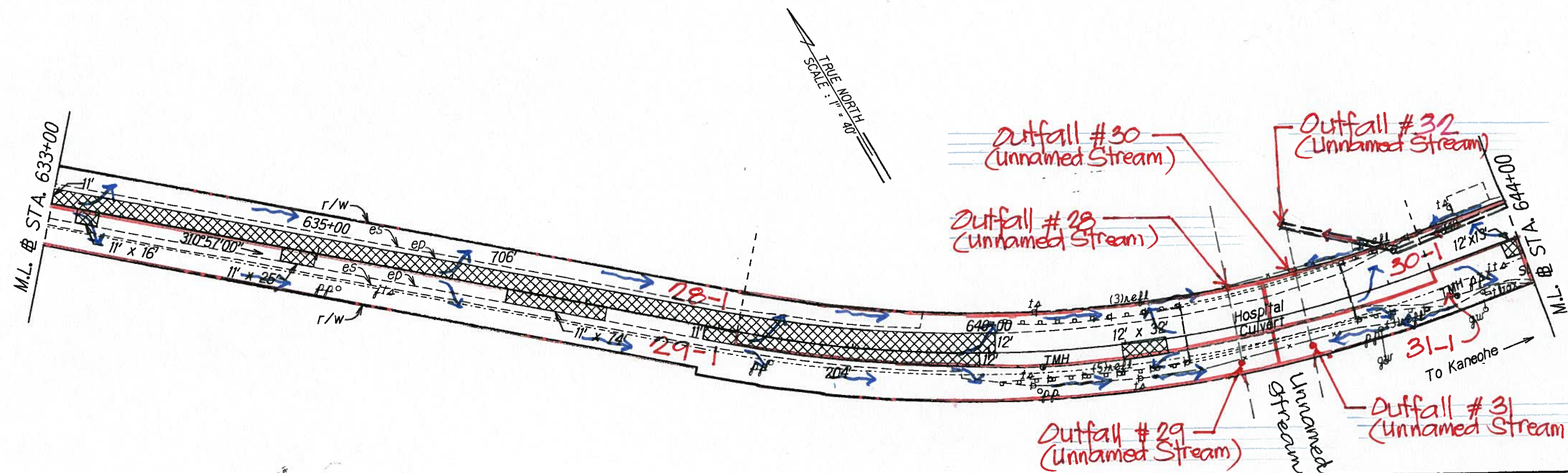
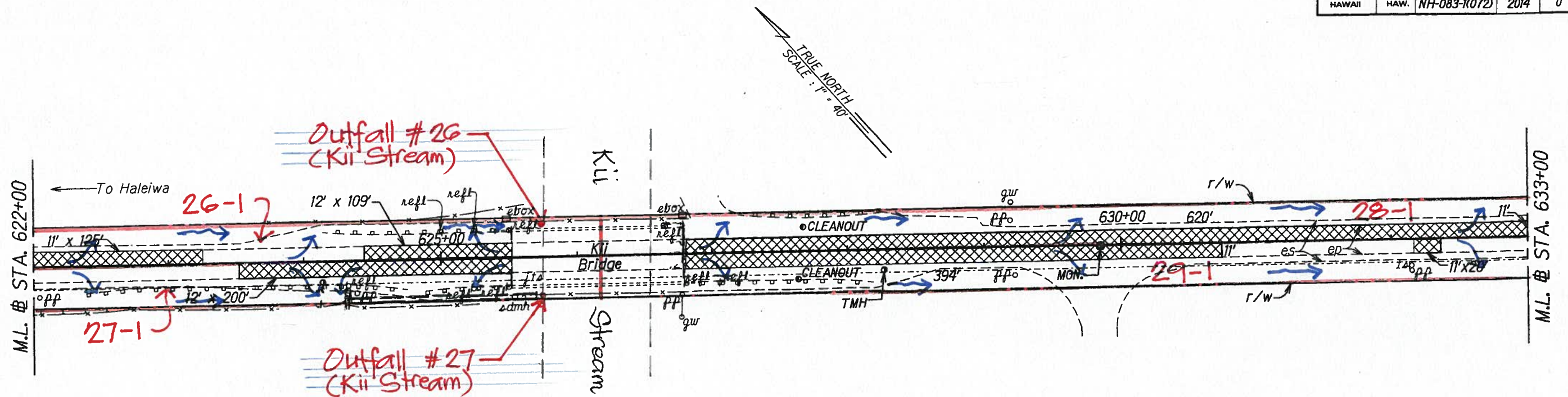
ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Lāiewai Bridge
Federal Aid Project No. NH-083-1(072)

Scale: 1" = 40' Date: March, 2014

SHEET No. 13 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2014	0	0



DESIGNED BY	DATE
TRACED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

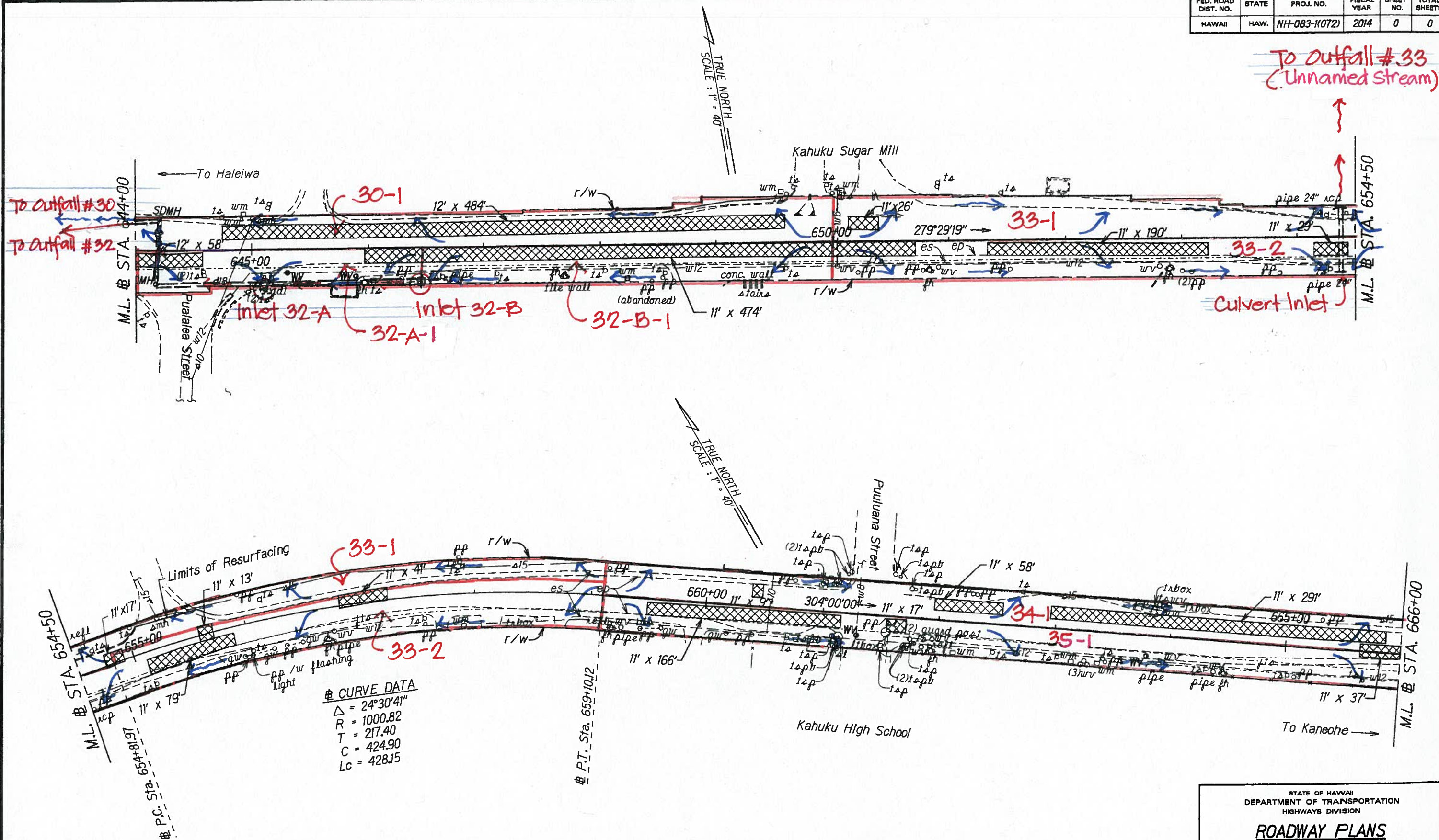
ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiawai Bridge
Federal Aid Project No. NH-083-1(072)

Scale: 1" = 40' Date: March, 2014

SHEET No. 14 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2014	0	0



ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

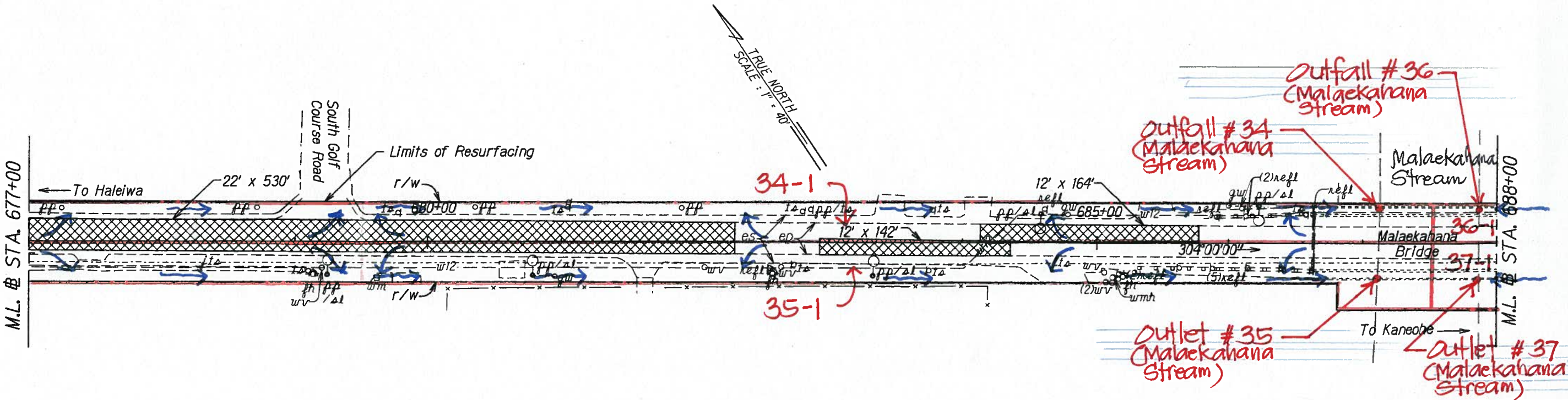
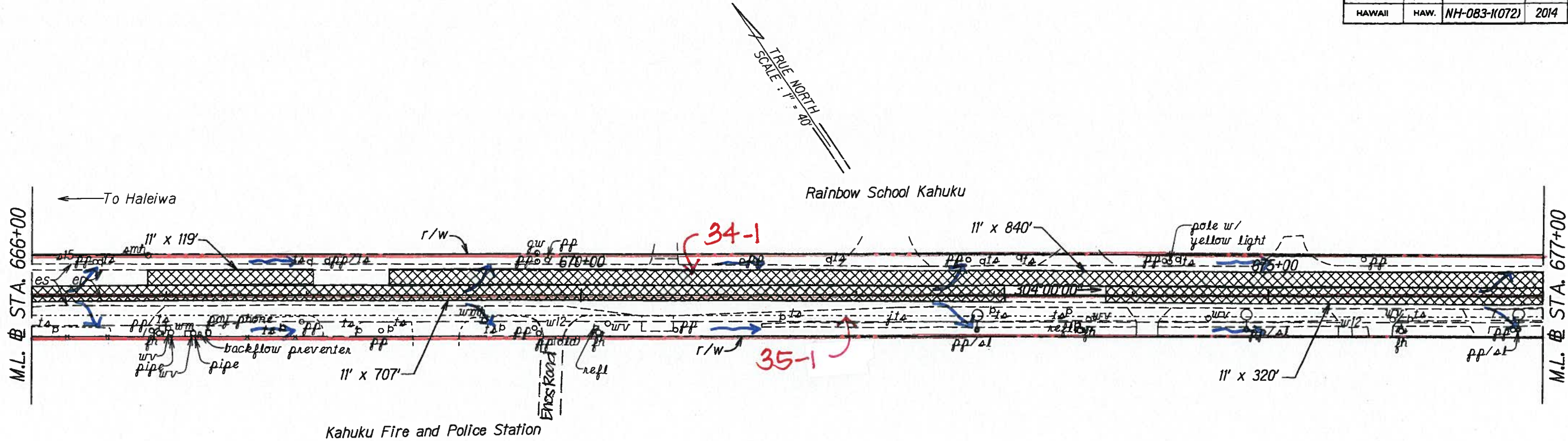
ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiwai Bridge
Federal Aid Project No. NH-083-1(072)

Scale: 1" = 40' Date: March, 2014

SHEET No. 15 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2014	0	0



ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

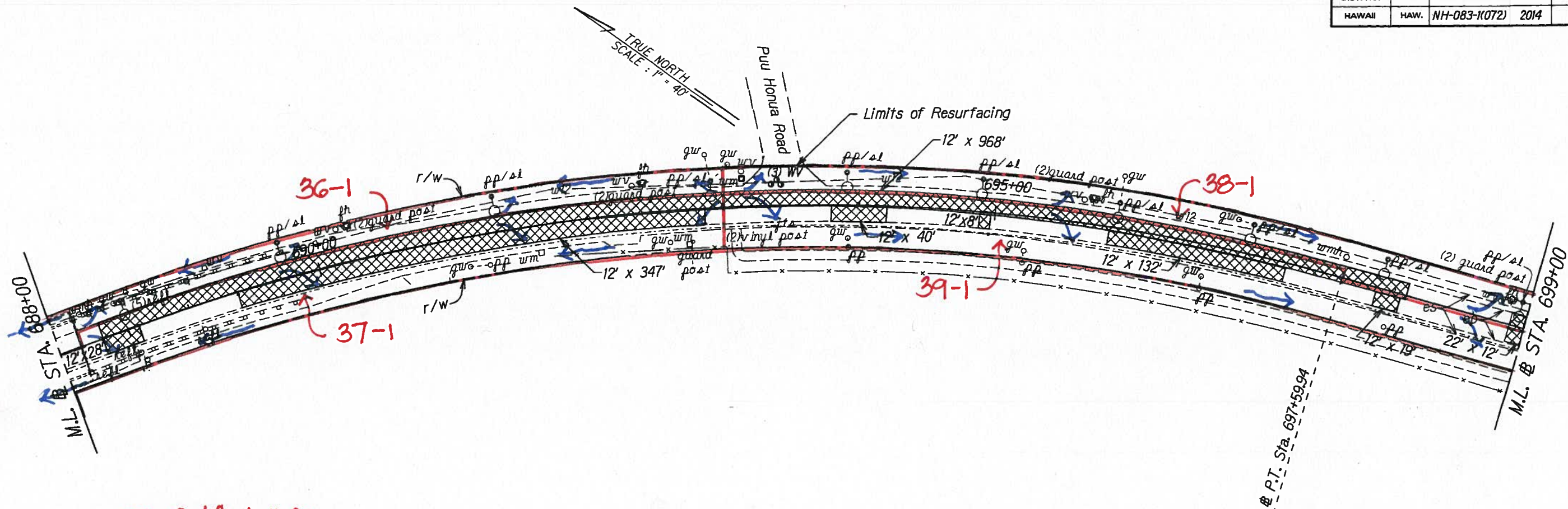
ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiewai Bridge
Federal Aid Project No. NH-083-1(072)

Scale: 1" = 40' Date: March, 2014

SHEET No. 16 OF 20 SHEETS

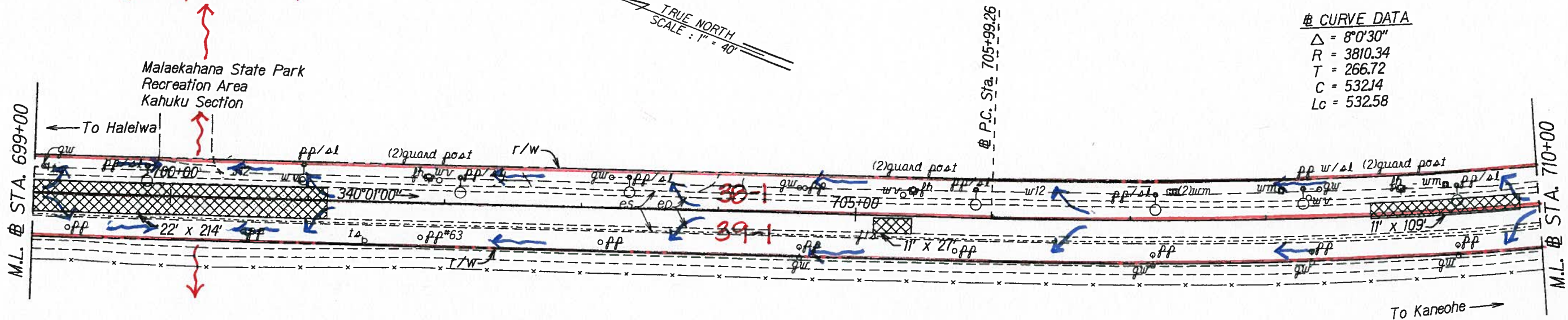
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-K072	2014	0	0



To Outfall #38
(Pacific Ocean)

Malaekahana State Park
Recreation Area
Kahuku Section

To Outfall #39
(Malaekahana Stream)



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

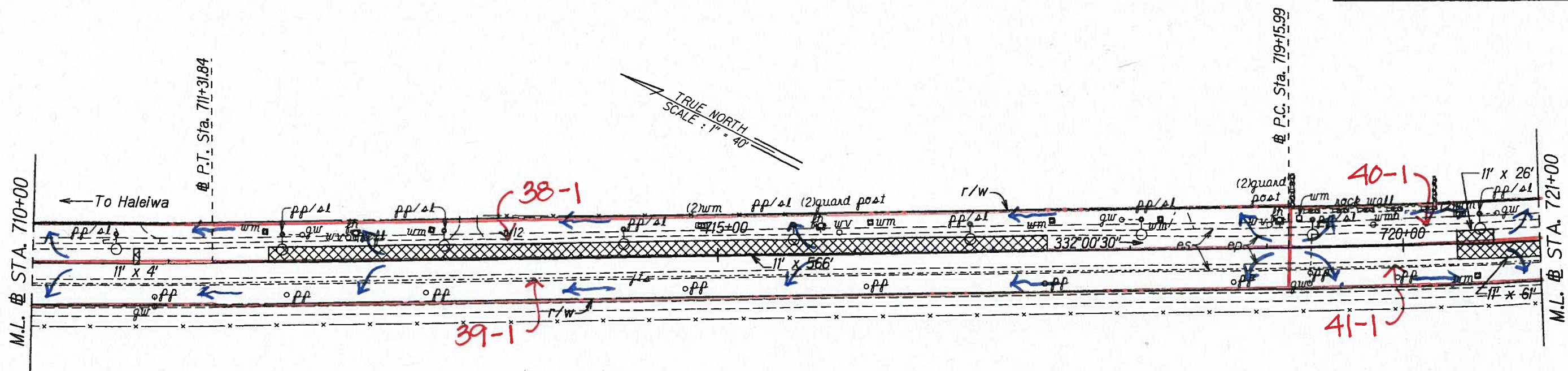
ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiewai Bridge
Federal Aid Project No. NH-083-K072

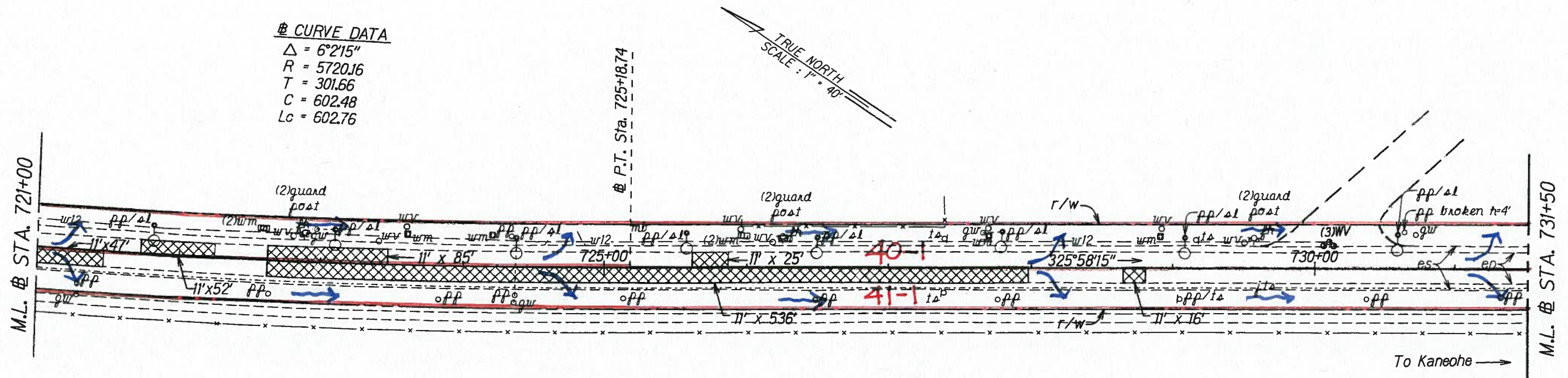
Scale: 1" = 40' Date: March, 2014

SHEET No. 17 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2014	0	0



@ CURVE DATA
 $\Delta = 6^{\circ}2'15''$
 $R = 5720.16$
 $T = 301.66$
 $C = 602.48$
 $L_c = 602.76$



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING

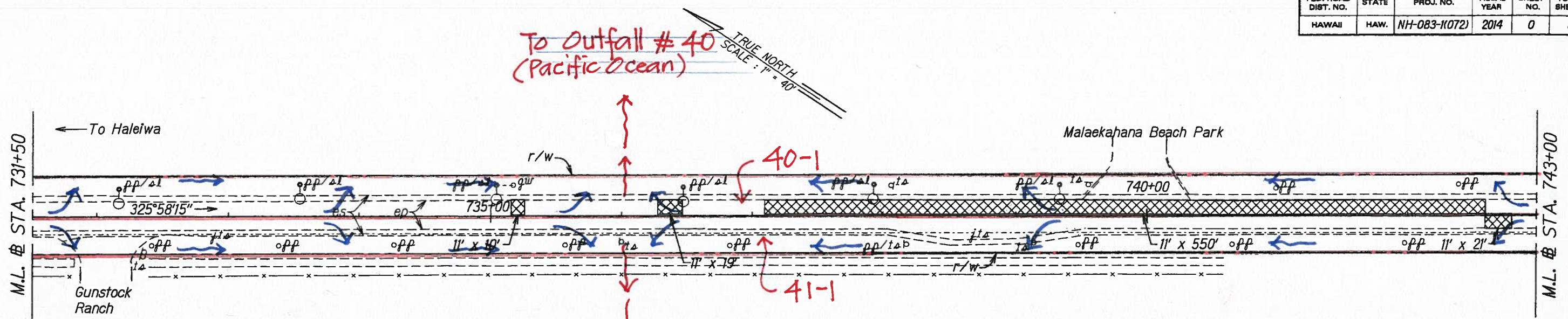
Dairy Road to Laiawai Bridge

Federal Aid Project No. NH-083-1(072)

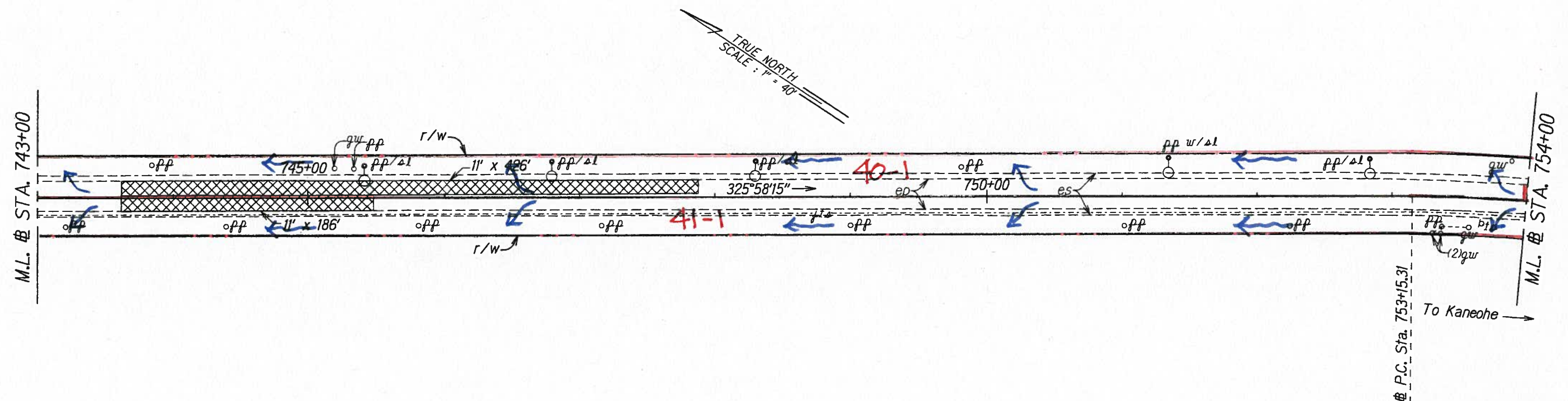
Scale: 1" = 40'
Date: March, 2014

SHEET No. 18 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2014	0	0



To Outfall #41
(Waiapuka Stream)



To Kaneohe

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

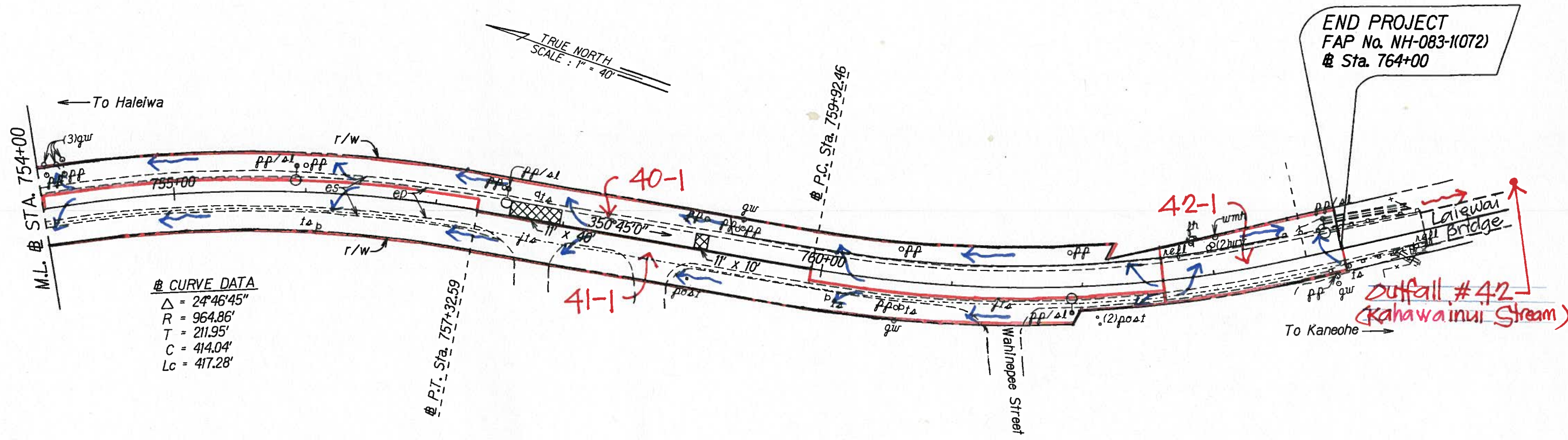
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS
KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Lāiewai Bridge
Federal Aid Project No. NH-083-1(072)

Scale: 1" = 40'
Date: March, 2014

SHEET No. 19 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(072)	2014	0	0



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTIFIED BY	
ORIGINAL PLAN	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Dairy Road to Laiwai Bridge
Federal Aid Project No. NH-083-1(072)

Scale: 1" = 40' Date: March, 2014

SHEET No. 20 OF 20 SHEETS