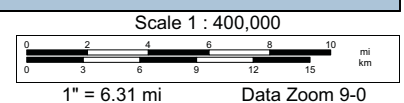
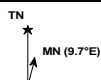


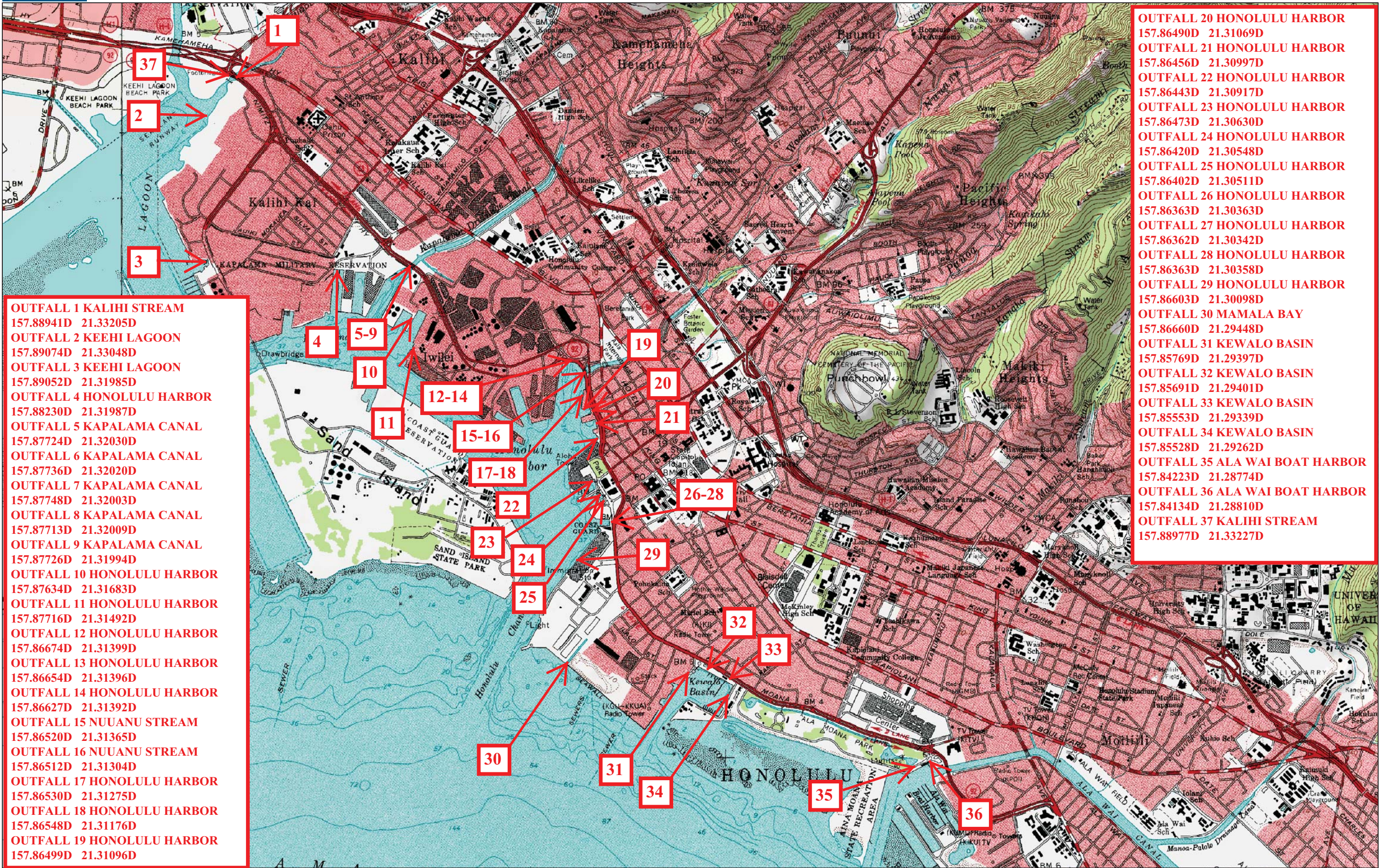
Form C Attachment A-1
Location and Outfall Maps



LOCATION MAP

www.delorme.com

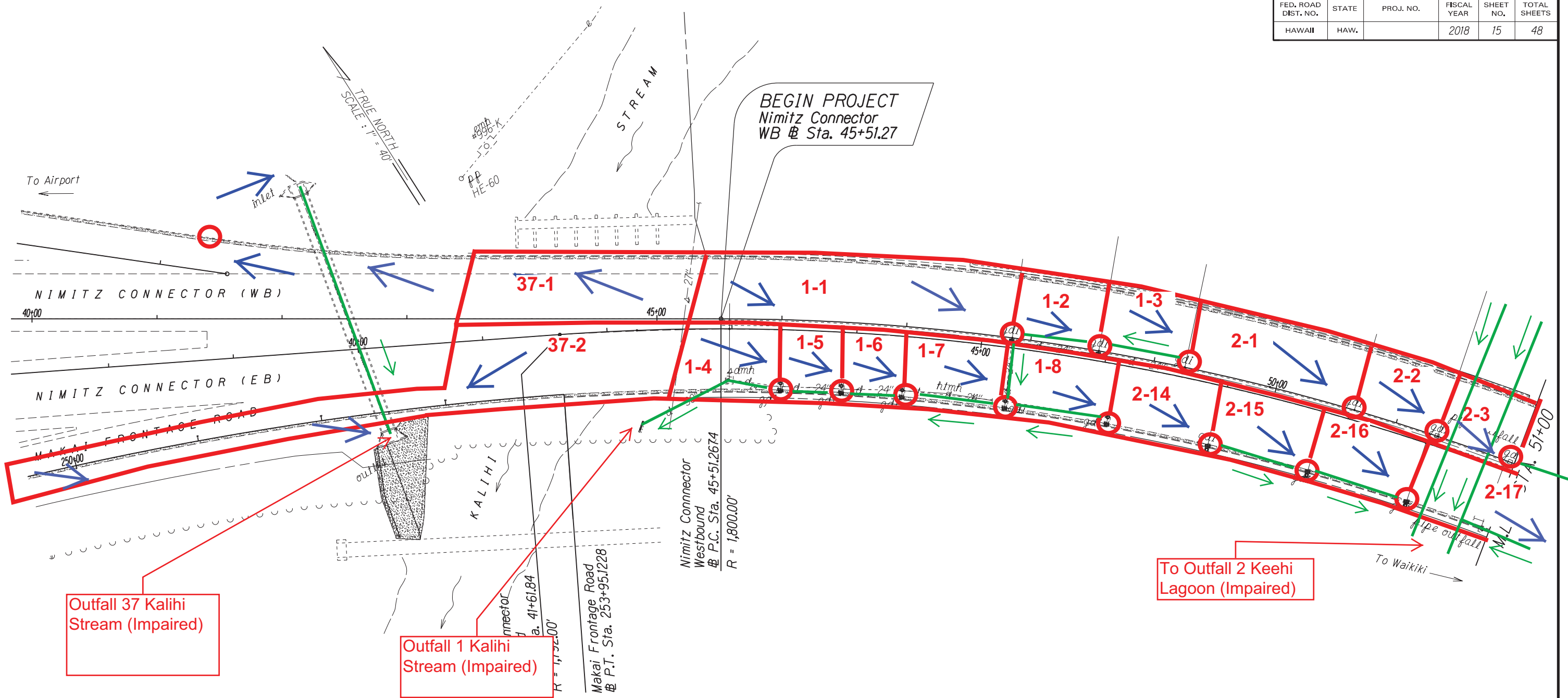




OUTFALL 1 KALIHU STREAM
157.88941D 21.33205D
OUTFALL 2 KEEHI LAGOON
157.89074D 21.33048D
OUTFALL 3 KEEHI LAGOON
157.89052D 21.31985D
OUTFALL 4 HONOLULU HARBOR
157.88230D 21.31987D
OUTFALL 5 KAPALAMA CANAL
157.87724D 21.32030D
OUTFALL 6 KAPALAMA CANAL
157.87736D 21.32020D
OUTFALL 7 KAPALAMA CANAL
157.87748D 21.32003D
OUTFALL 8 KAPALAMA CANAL
157.87713D 21.32009D
OUTFALL 9 KAPALAMA CANAL
157.87726D 21.31994D
OUTFALL 10 HONOLULU HARBOR
157.87634D 21.31683D
OUTFALL 11 HONOLULU HARBOR
157.87716D 21.31492D
OUTFALL 12 HONOLULU HARBOR
157.86674D 21.31399D
OUTFALL 13 HONOLULU HARBOR
157.86654D 21.31396D
OUTFALL 14 HONOLULU HARBOR
157.86627D 21.31392D
OUTFALL 15 NUUANU STREAM
157.86520D 21.31365D
OUTFALL 16 NUUANU STREAM
157.86512D 21.31304D
OUTFALL 17 HONOLULU HARBOR
157.86530D 21.31275D
OUTFALL 18 HONOLULU HARBOR
157.86548D 21.31176D
OUTFALL 19 HONOLULU HARBOR
157.86499D 21.31096D

OUTFALL 20 HONOLULU HARBOR
157.86490D 21.31069D
OUTFALL 21 HONOLULU HARBOR
157.86456D 21.30997D
OUTFALL 22 HONOLULU HARBOR
157.86443D 21.30917D
OUTFALL 23 HONOLULU HARBOR
157.86473D 21.30630D
OUTFALL 24 HONOLULU HARBOR
157.86420D 21.30548D
OUTFALL 25 HONOLULU HARBOR
157.86402D 21.30511D
OUTFALL 26 HONOLULU HARBOR
157.86363D 21.30363D
OUTFALL 27 HONOLULU HARBOR
157.86362D 21.30342D
OUTFALL 28 HONOLULU HARBOR
157.86363D 21.30358D
OUTFALL 29 HONOLULU HARBOR
157.86603D 21.30098D
OUTFALL 30 MAMALA BAY
157.86660D 21.29448D
OUTFALL 31 KEWALO BASIN
157.85769D 21.29397D
OUTFALL 32 KEWALO BASIN
157.85691D 21.29401D
OUTFALL 33 KEWALO BASIN
157.85553D 21.29339D
OUTFALL 34 KEWALO BASIN
157.85528D 21.29262D
OUTFALL 35 ALA WAI BOAT HARBOR
157.84223D 21.28774D
OUTFALL 36 ALA WAI BOAT HARBOR
157.84134D 21.28810D
OUTFALL 37 KALIHU STREAM
157.88977D 21.33227D

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	15	48



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

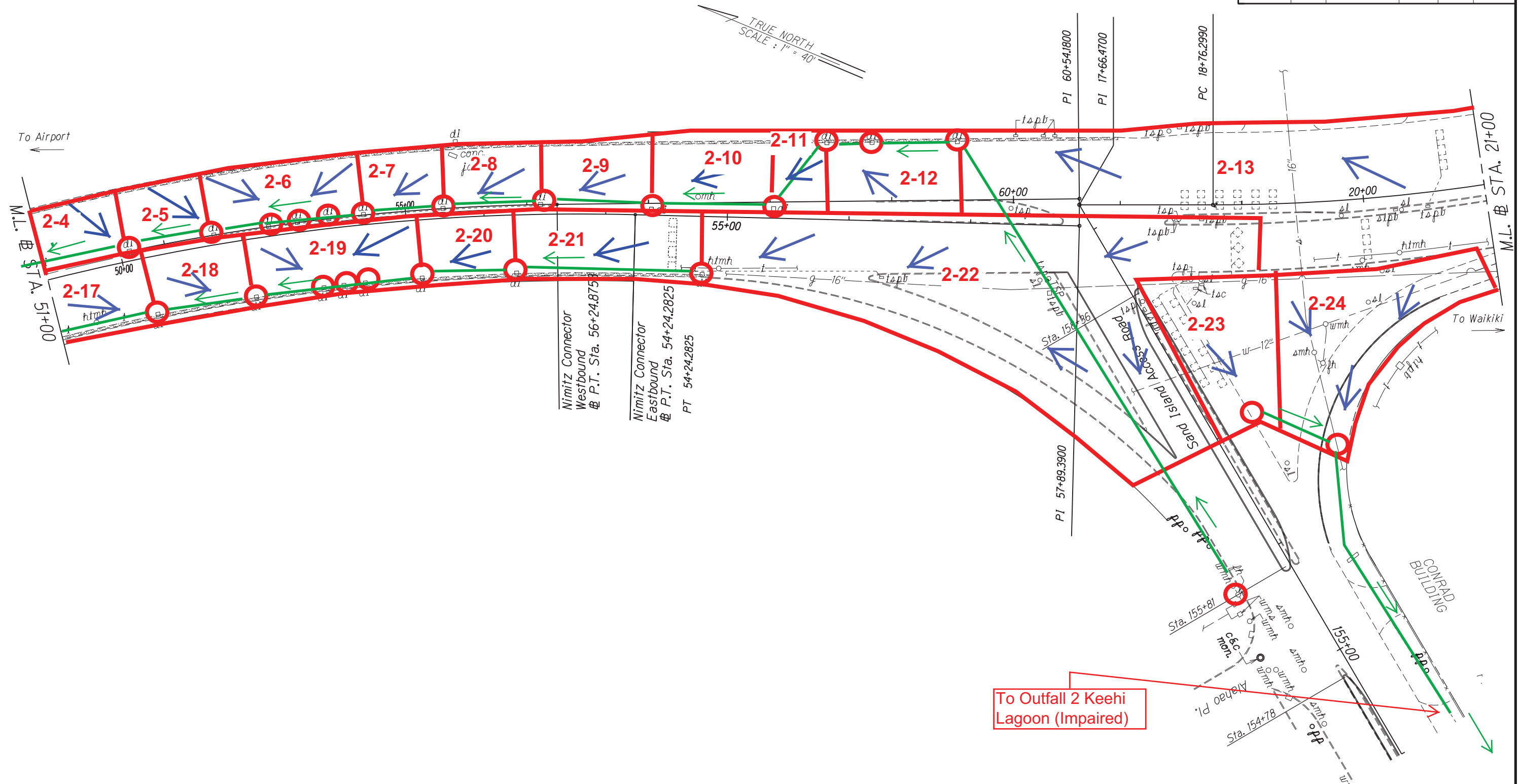
ROADWAY PLANS

NIMITZ HIGHWAY RESURFACING & RESTRIPING
H-1 FREEWAY TO ALAMOANA BOULEVARD

Scale: 1" = 40.0'
Date: April, 2018

SHEET No. 1 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	16	48



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

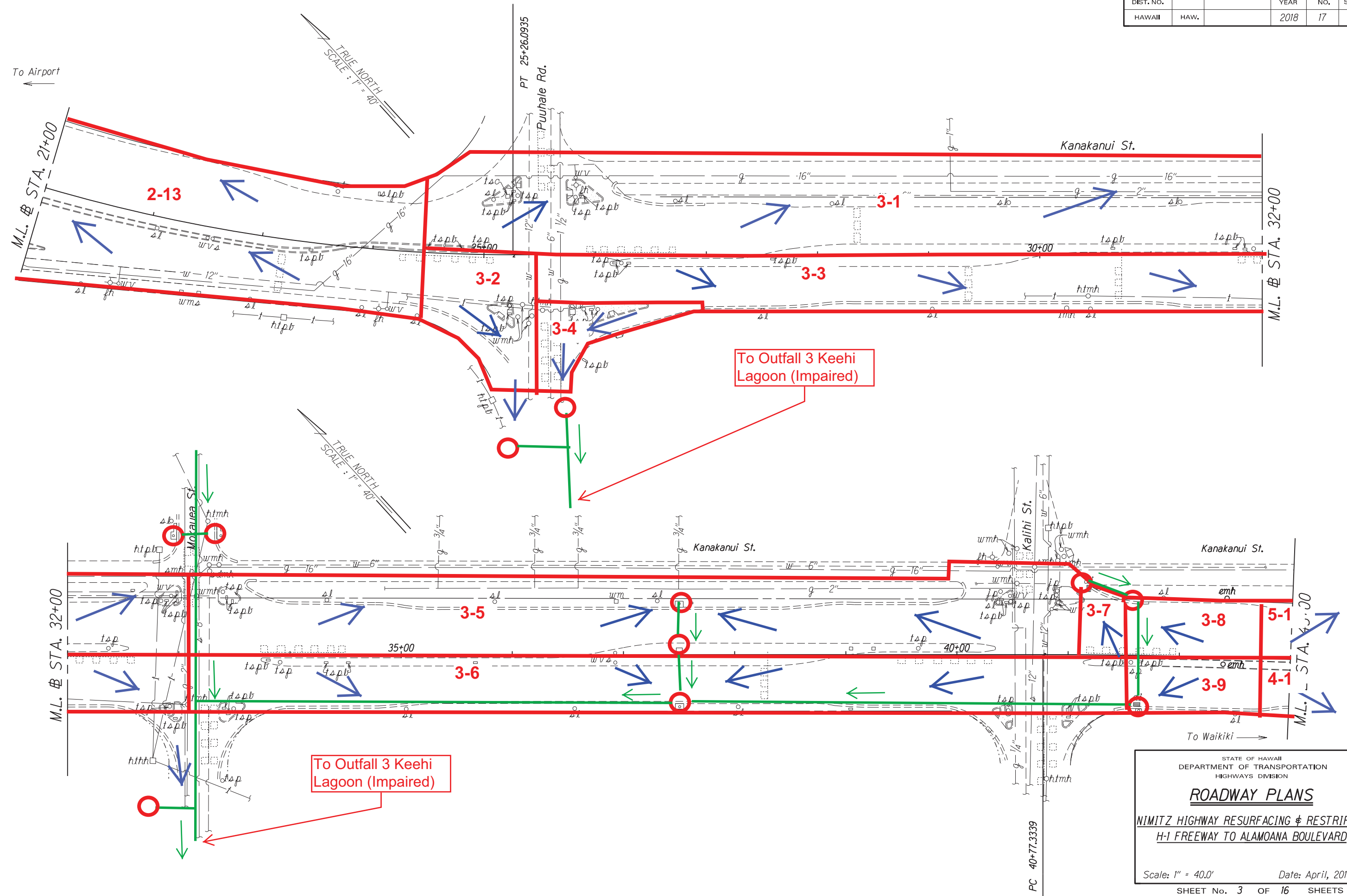
ROADWAY PLANS

NIMITZ HIGHWAY RESURFACING & RESTRIPING
H-1 FREEWAY TO ALAMOANA BOULEVARD

Scale: 1" = 40.0' Date: April, 2018

SHEET No. 2 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	17	48



SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

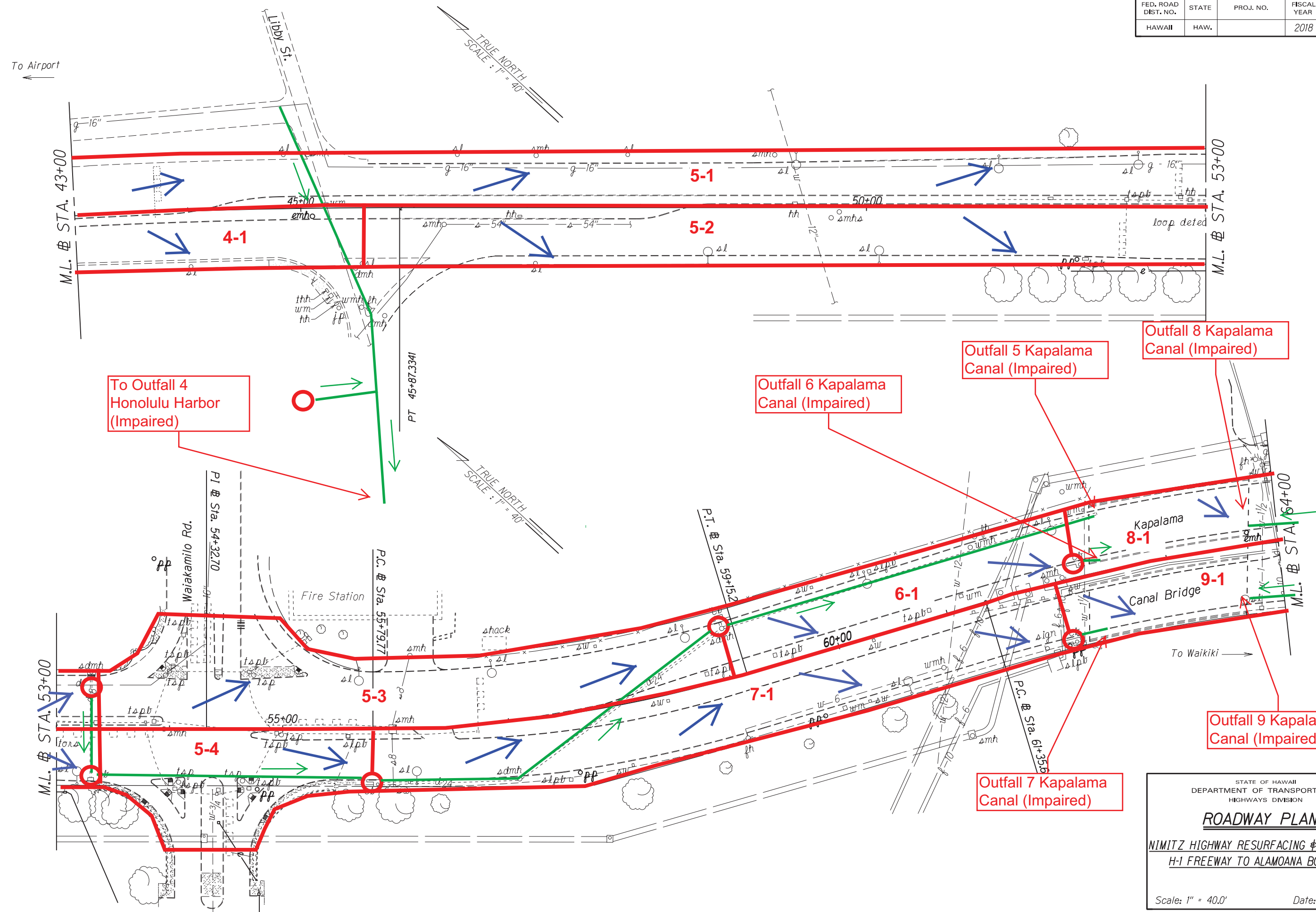
ROADWAY PLANS

NIMITZ HIGHWAY RESURFACING & RESTRIPING
H-1 FREEWAY TO ALAMOANA BOULEVARD

Scale: 1" = 40.0' Date: April, 2018

SHEET No. 3 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	18	48



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN	DATE
NOTE BOOK	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

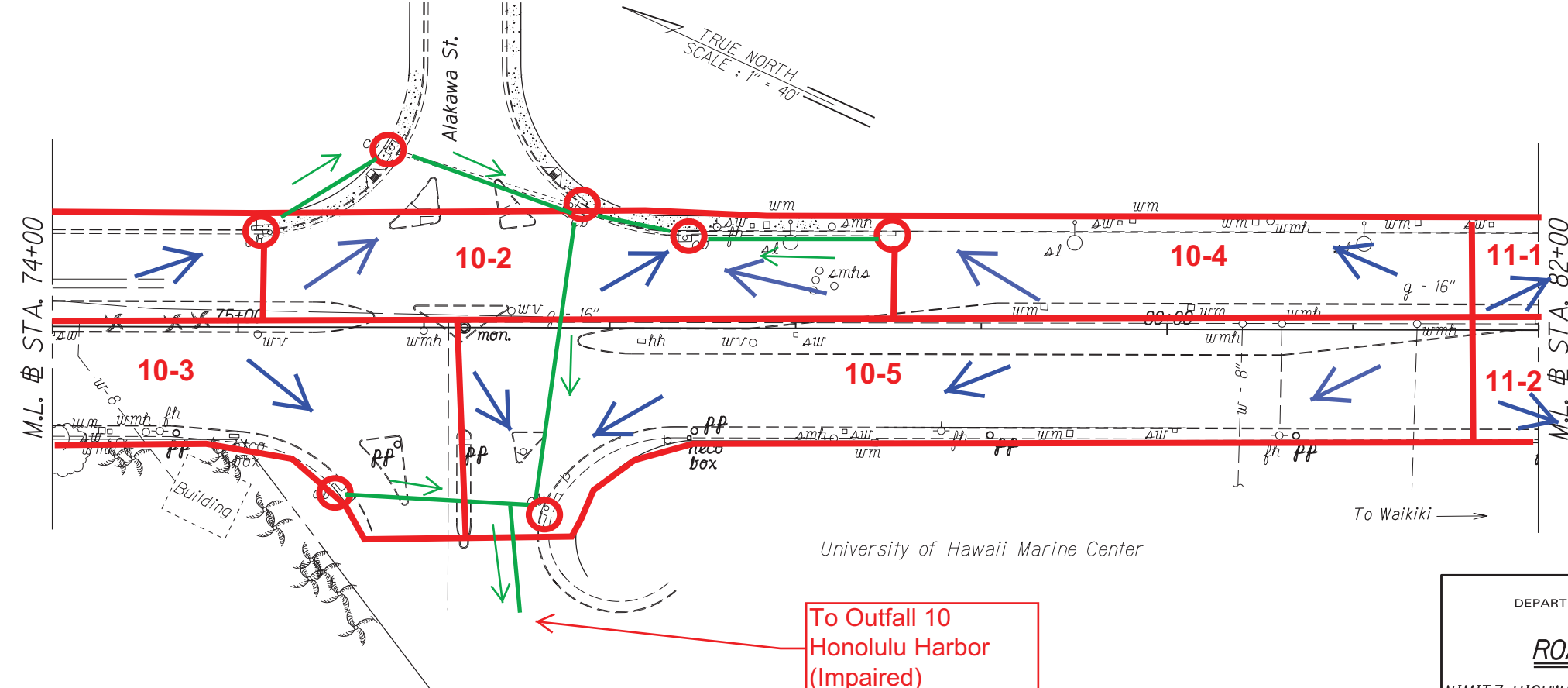
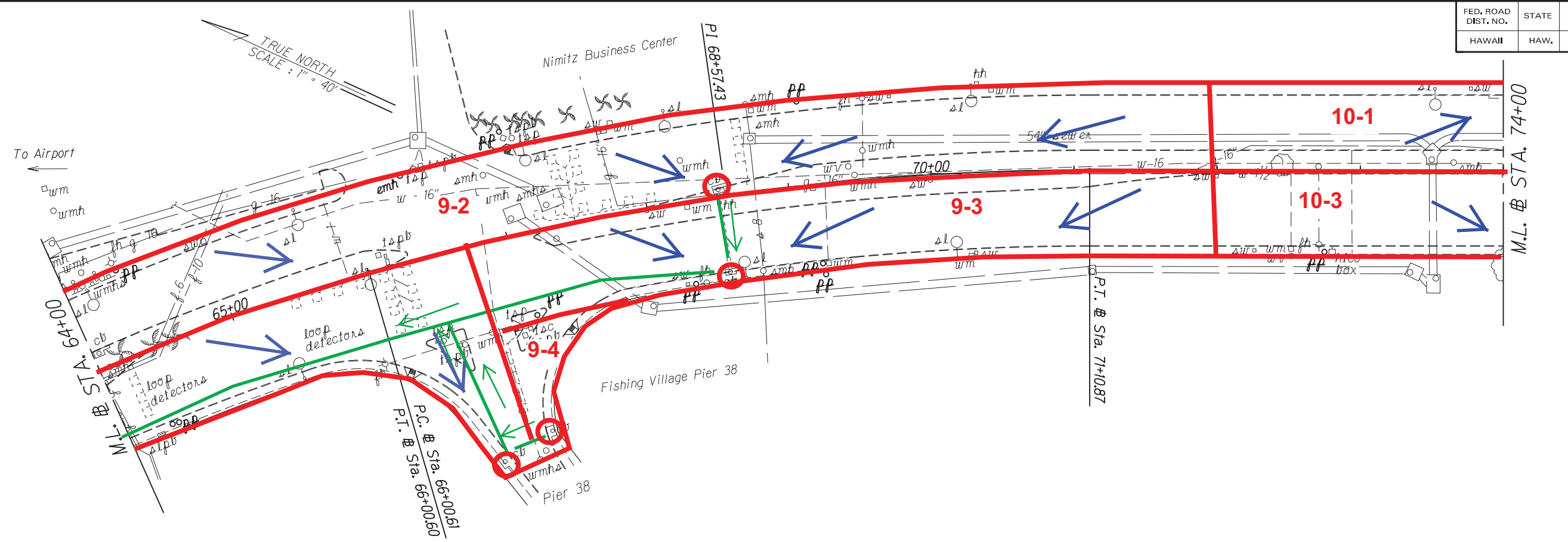
ROADWAY PLANS

NIMITZ HIGHWAY RESURFACING & RESTRIPIING
H-1 FREEWAY TO ALAMOANA BOULEVARD

Scale: 1" = 40.0' Date: April, 2018

SHEET No. 4 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	19	48



ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

NIMITZ HIGHWAY RESURFACING & RESTRIPIING

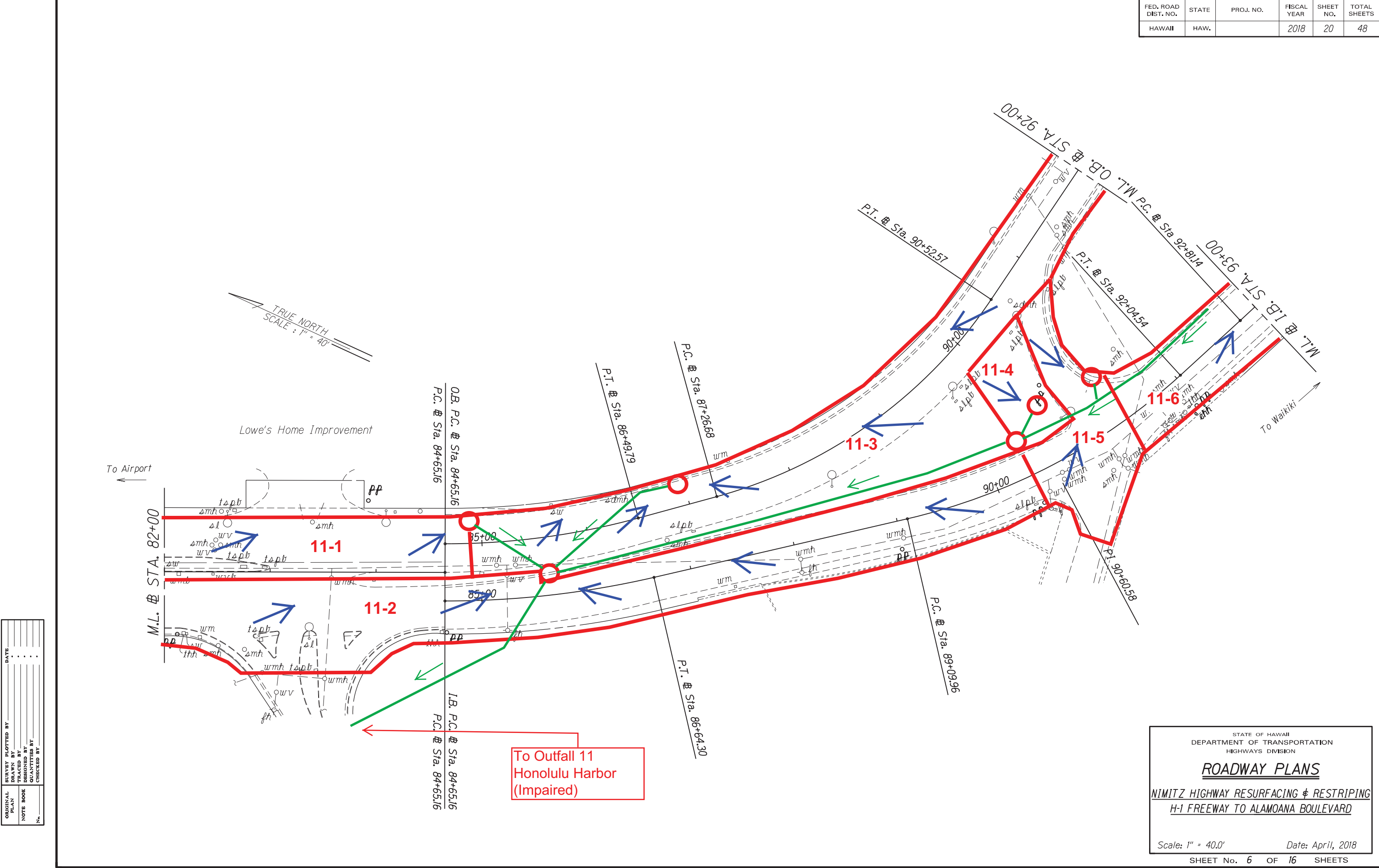
H-1 FREEWAY TO ALAMOANA BOULEVARD

Scale: 1" = 40.0'
Date: April, 2018

SHEET No. 5 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	20	48

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

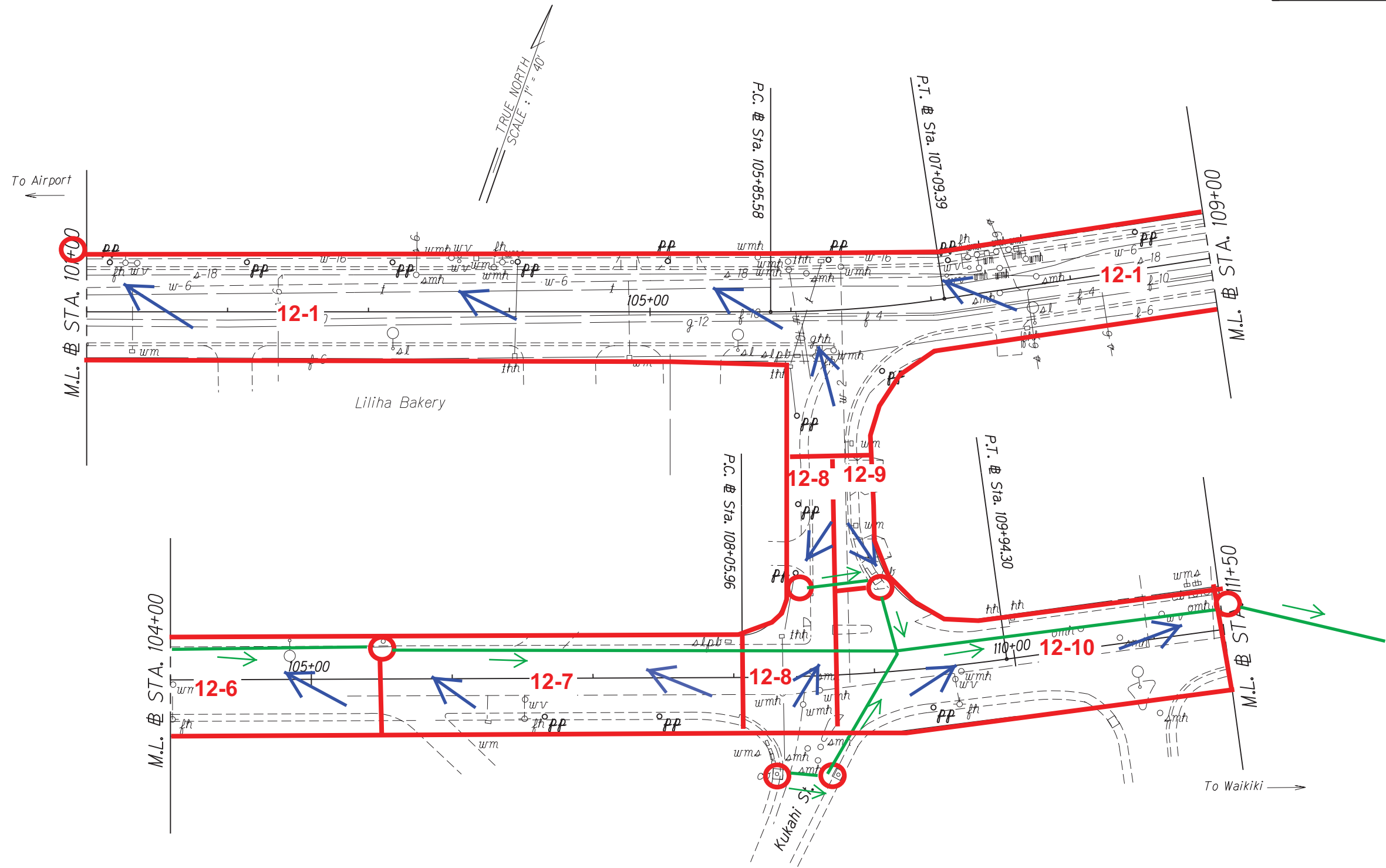
NIMITZ HIGHWAY RESURFACING & RESTRIPIING

H-1 FREEWAY TO ALAMOANA BOULEVARD

Scale: 1" = 40.0'
Date: April, 2018

SHEET No. 6 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	22	48



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

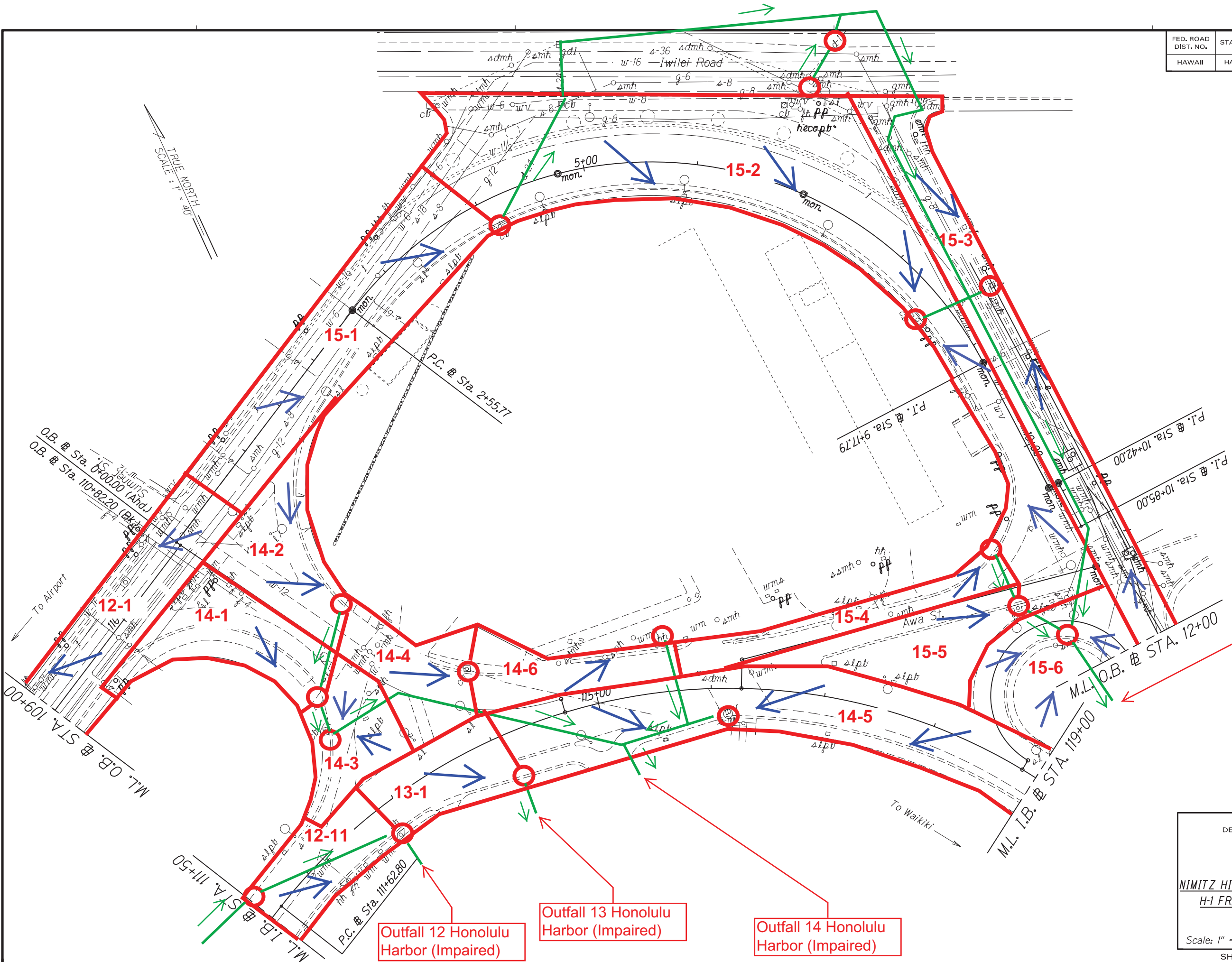
ROADWAY PLANS

NIMITZ HIGHWAY RESURFACING & RESTRIPIING
H-1 FREEWAY TO ALAMOANA BOULEVARD

Scale: 1" = 40.0' Date: April, 2018

SHEET No. 8 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	23	48



Outfall 15 Nuuanu Stream (Impaired)

Outfall 12 Honolulu Harbor (Impaired)

Outfall 13 Honolulu Harbor (Impaired)

Outfall 14 Honolulu Harbor (Impaired)

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

NIMITZ HIGHWAY RESURFACING & RESTRIPIING
H-1 FREEWAY TO ALAMOANA BOULEVARD

Scale: 1" = 40.0' Date: April, 2018

SHEET No. 9 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	24	48

Outfall 15 Nuuanu Stream (Impaired)

Outfall 16 Nuuanu Stream (Impaired)

Outfall 19 Honolulu Harbor (Impaired)

Outfall 18 Honolulu Harbor (Impaired)

Outfall 17 Honolulu Harbor (Impaired)

Outfall 22 Honolulu Harbor (Impaired)

Outfall 21 Honolulu Harbor (Impaired)

Outfall 20 Honolulu Harbor (Impaired)

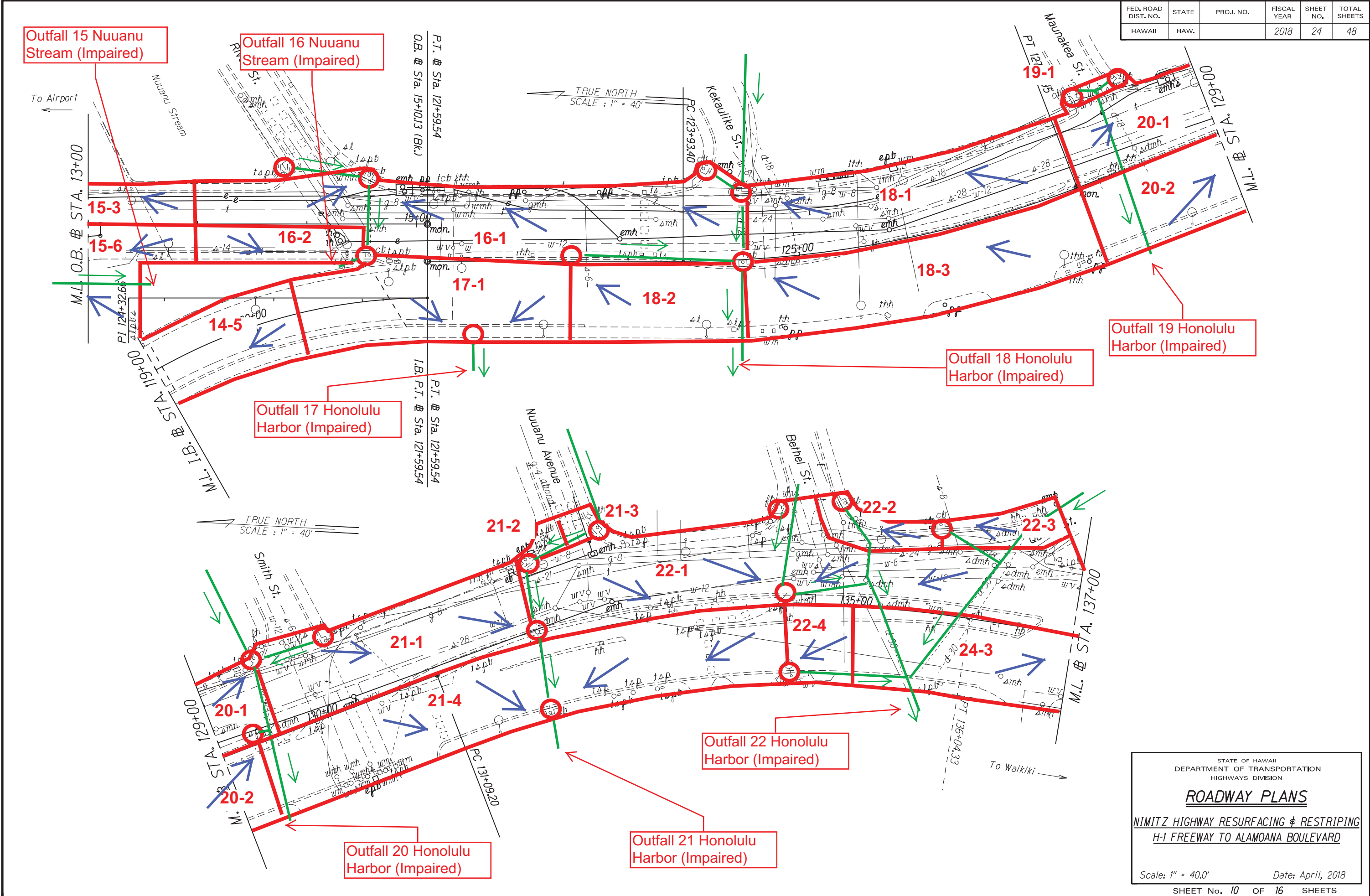
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS
NIMITZ HIGHWAY RESURFACING & RESTRIPIING
H-1 FREEWAY TO ALAMOANA BOULEVARD

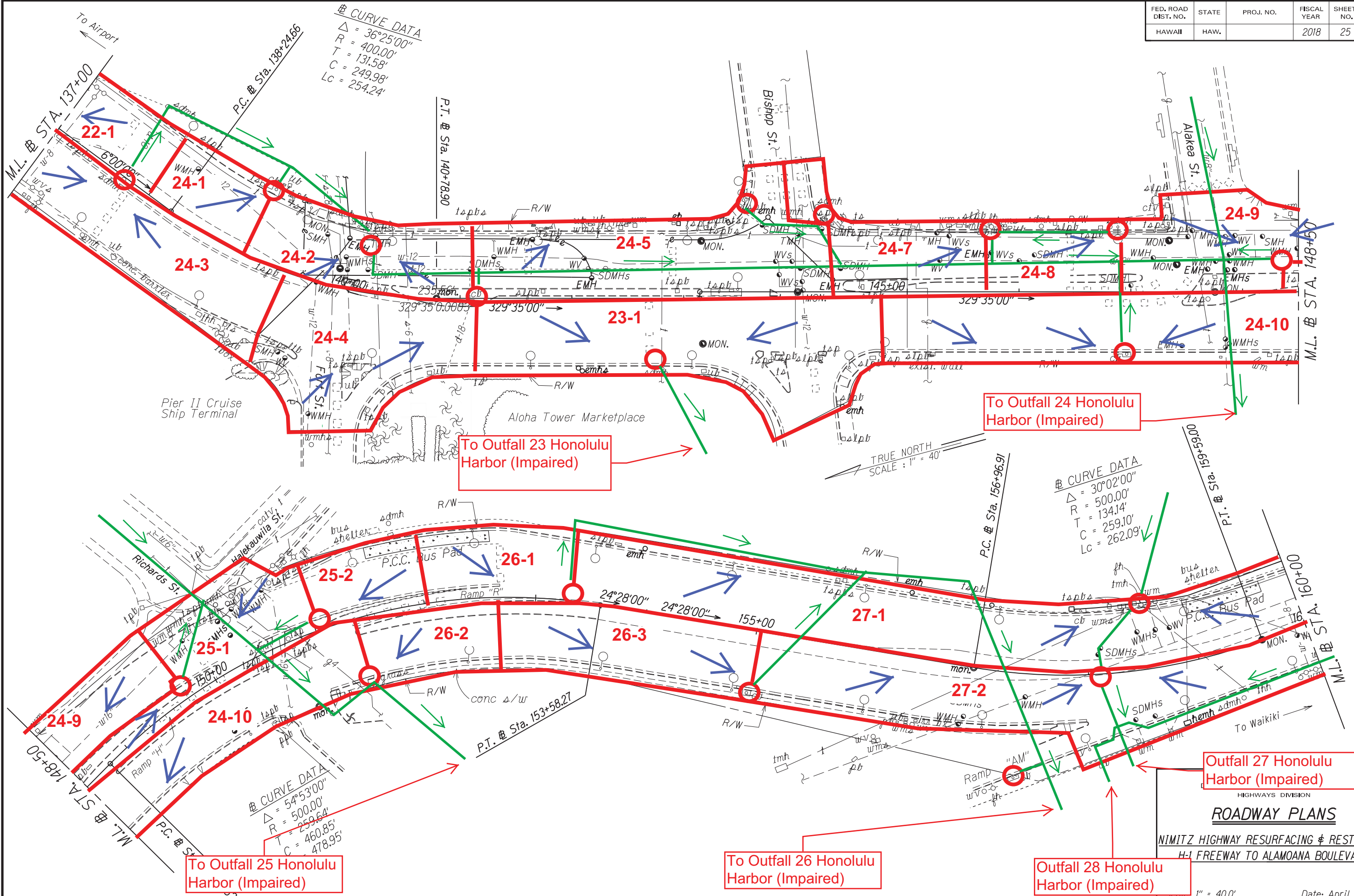
Scale: 1" = 40.0'
SHEET No. 10 OF 16 SHEETS

Date: April, 2018

DATE	
SURVEY PLOTTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	25	48

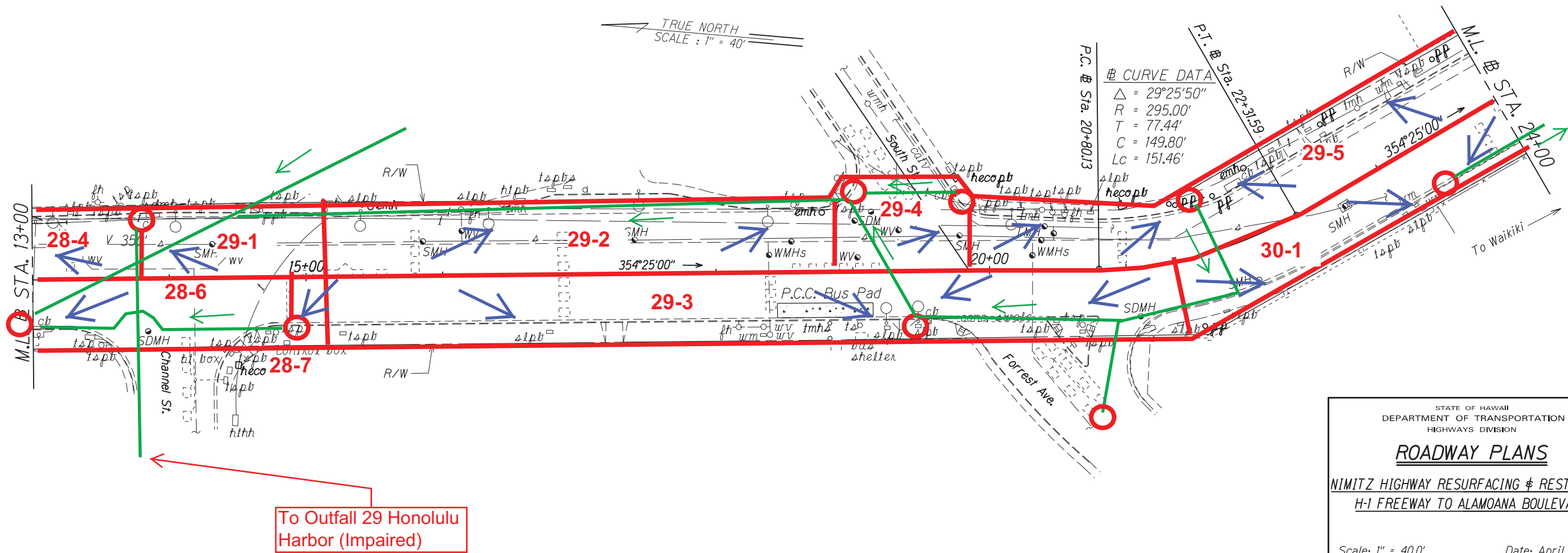
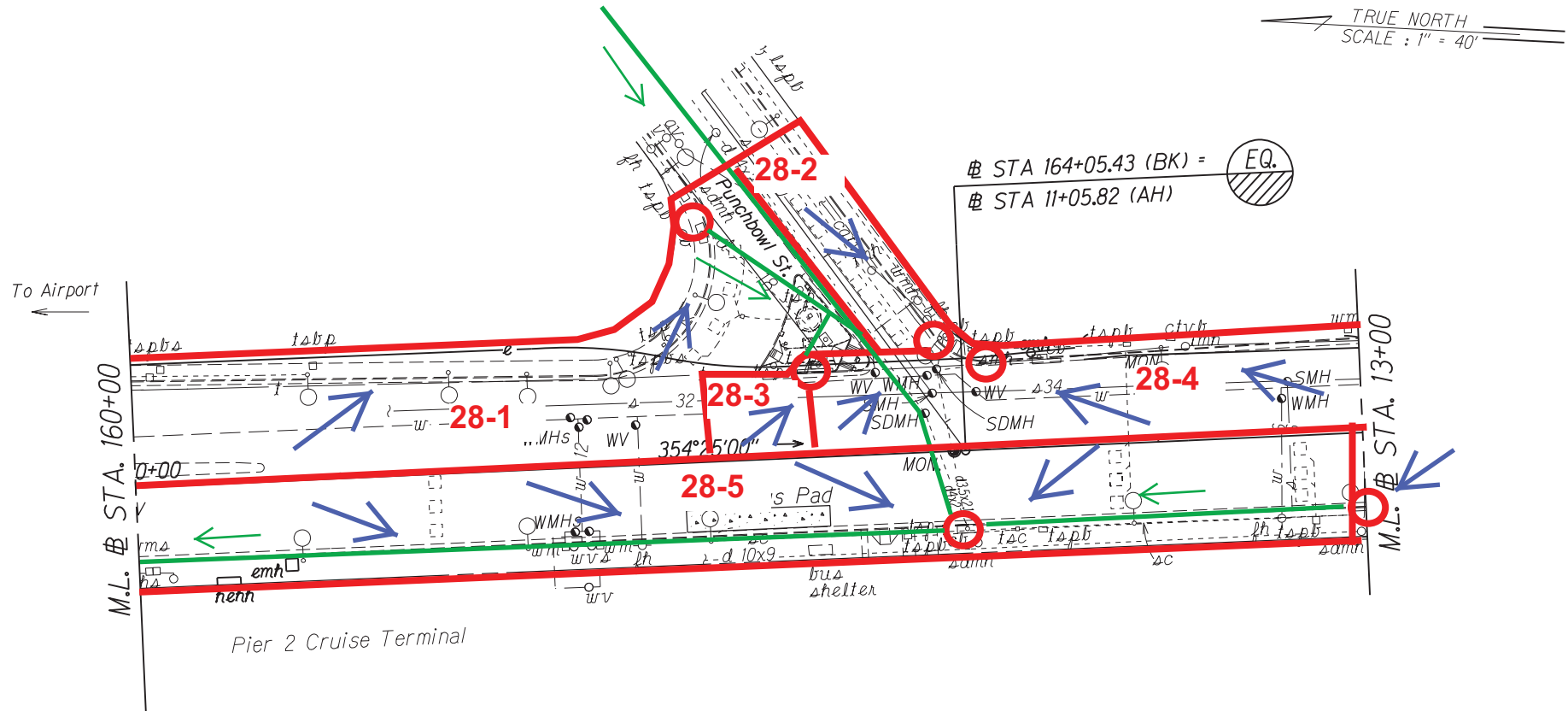


ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	

HIGHWAYS DIVISION
ROADWAY PLANS
 NIMITZ HIGHWAY RESURFACING & RESTRIPIING
 H-1 FREEWAY TO ALAMOANA BOULEVARD
 Scale: 1" = 40.0'
 Date: April, 2018
 SHEET No. 11 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	26	48

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
_____	_____
_____	_____



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

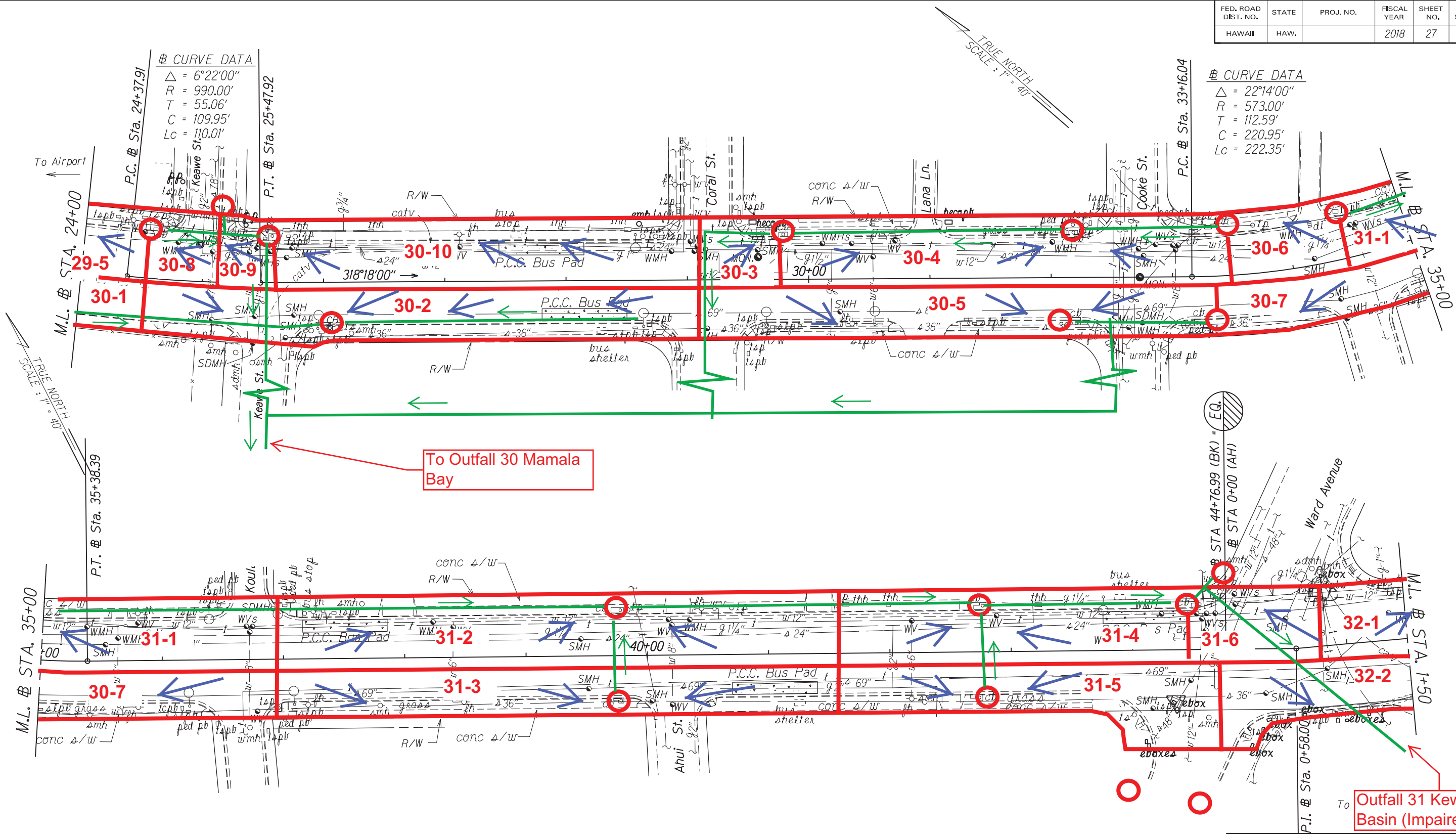
NIMITZ HIGHWAY RESURFACING & RESTRIPING

H-1 FREEWAY TO ALAMOANA BOULEVARD

Scale: 1" = 40.0'
Date: April, 2018

SHEET No. 12 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	27	48



CURVE DATA
 $\Delta = 22^\circ 14' 00''$
 $R = 573.00'$
 $T = 112.59'$
 $C = 220.95'$
 $Lc = 222.35'$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

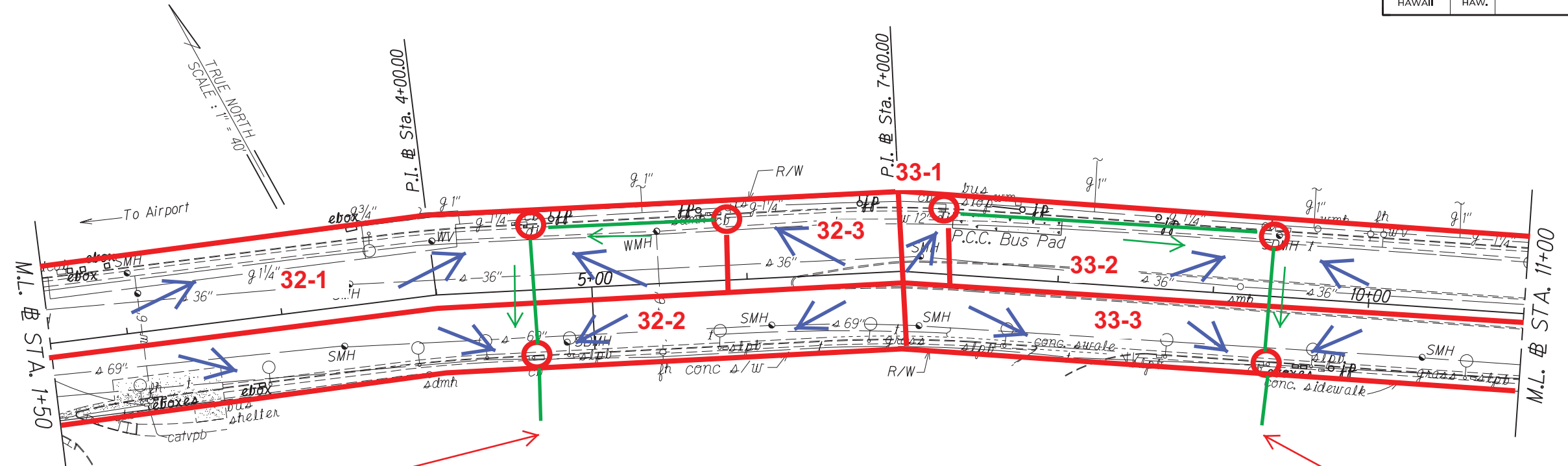
ROADWAY PLANS

NIMITZ HIGHWAY RESURFACING & RESTRIPIING
H-1 FREEWAY TO ALAMOANA BOULEVARD

Scale: 1" = 40.0' Date: April, 2018

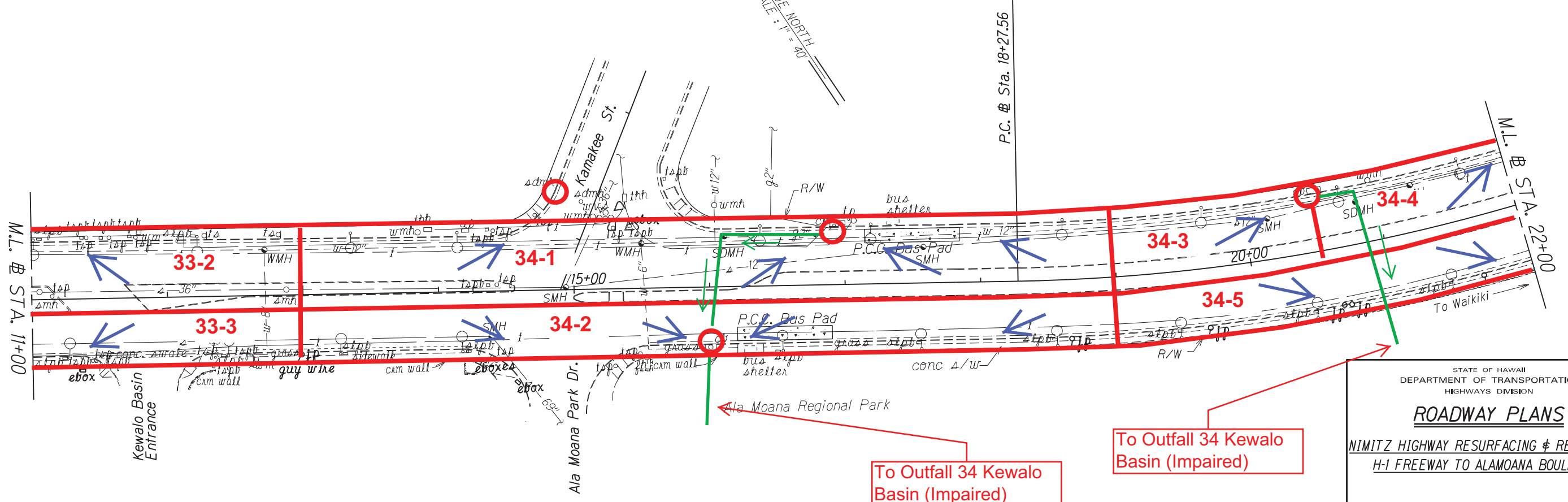
SHEET No. 13 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	28	48



Outfall 32 Kewalo Basin (Impaired)

Outfall 33 Kewalo Basin (Impaired)



To Outfall 34 Kewalo Basin (Impaired)

To Outfall 34 Kewalo Basin (Impaired)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS
NIMITZ HIGHWAY RESURFACING & RESTRIPIING
H-1 FREEWAY TO ALAMOANA BOULEVARD

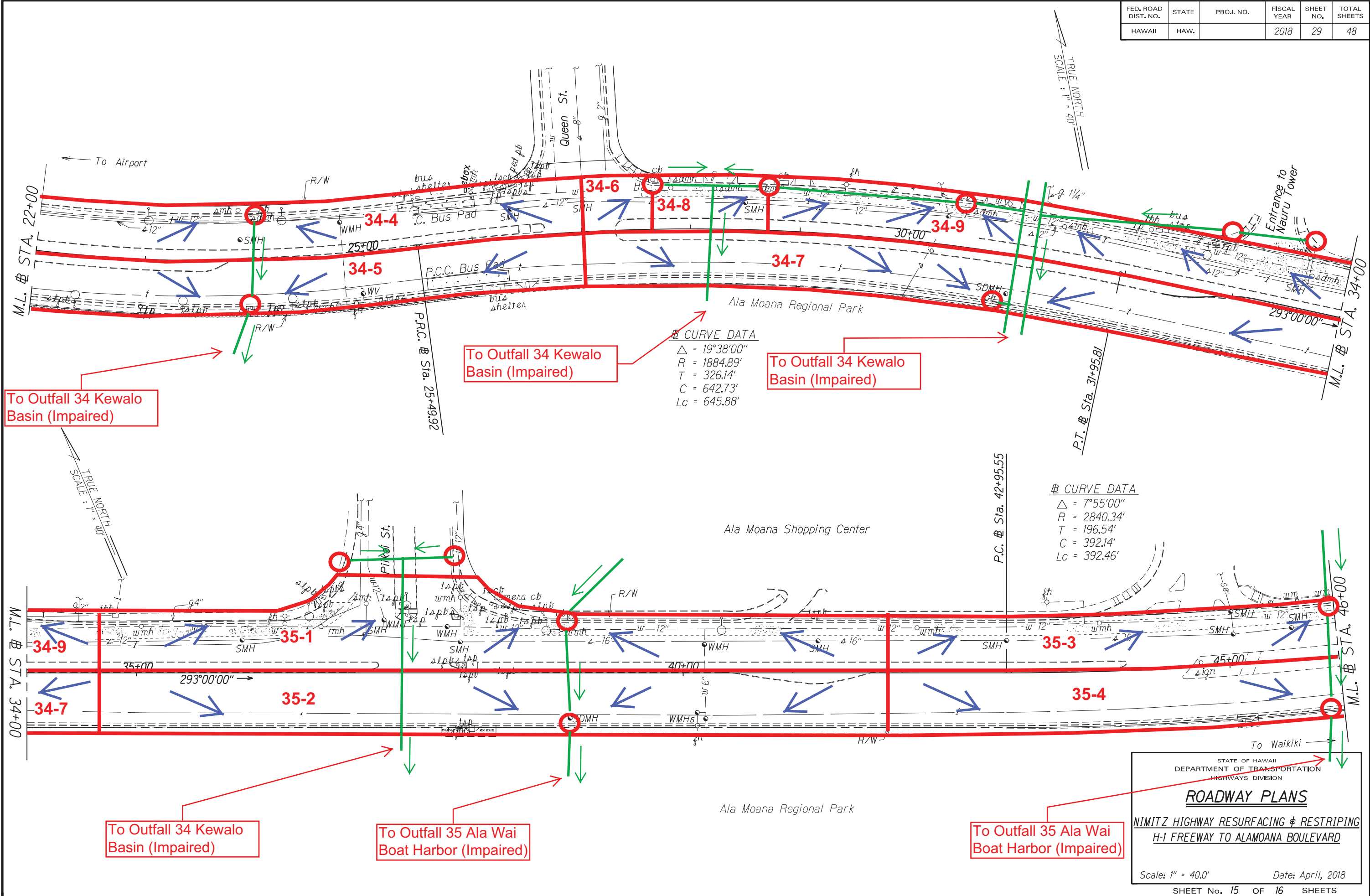
Scale: 1" = 40.0' Date: April, 2018

SHEET No. 14 OF 16 SHEETS

SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN	
NOTE BOOK	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	29	48



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

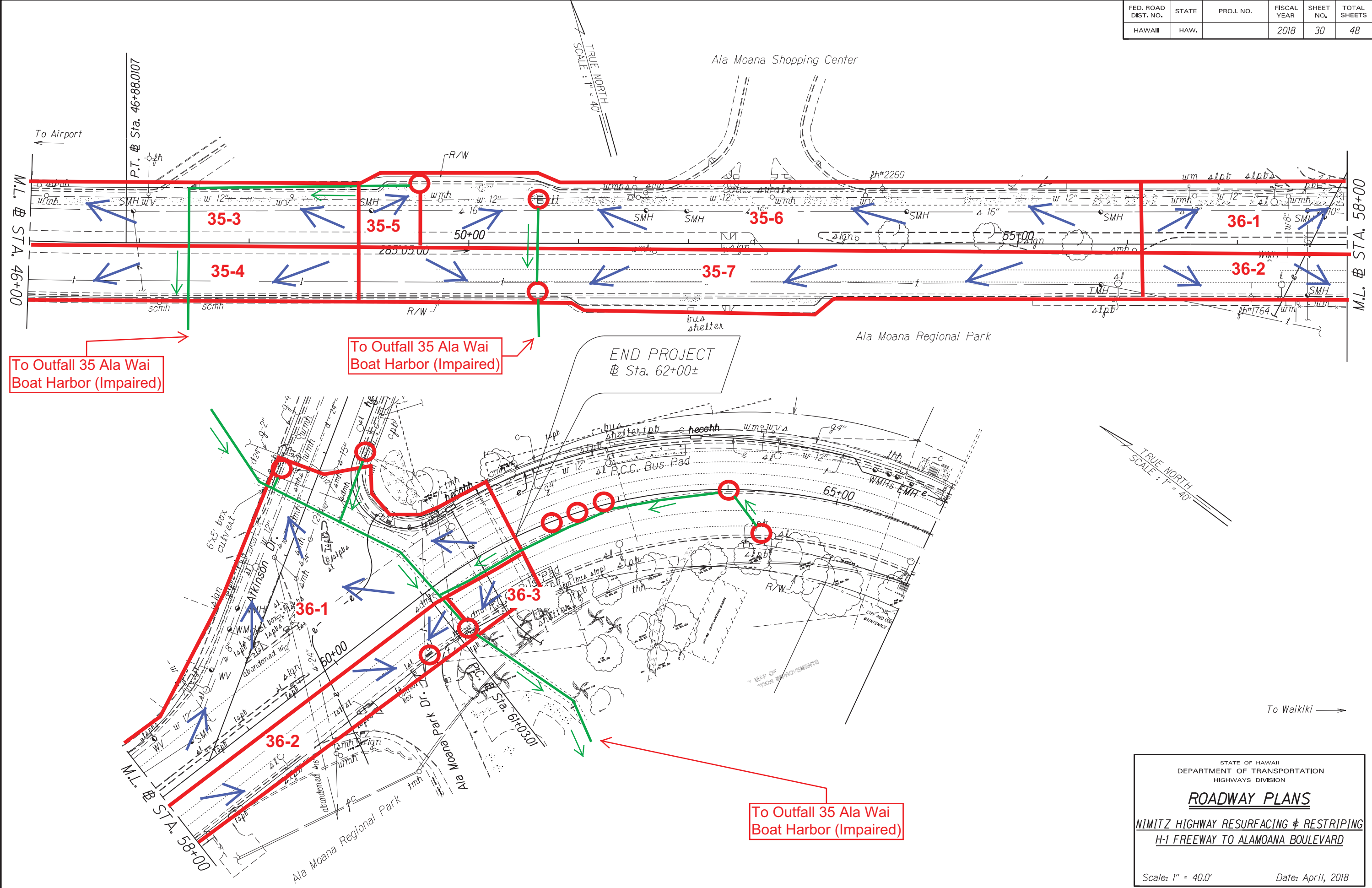
ROADWAY PLANS

NIMITZ HIGHWAY RESURFACING & RESTRIPIING
H-1 FREEWAY TO ALAMOANA BOULEVARD

Scale: 1" = 40.0' Date: April, 2018

SHEET No. 15 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.		2018	30	48



ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

NIMITZ HIGHWAY RESURFACING & RESTRIPIING

H-1 FREEWAY TO ALAMOANA BOULEVARD

Scale: 1" = 40.0'
Date: April, 2018
SHEET No. 16 OF 16 SHEETS