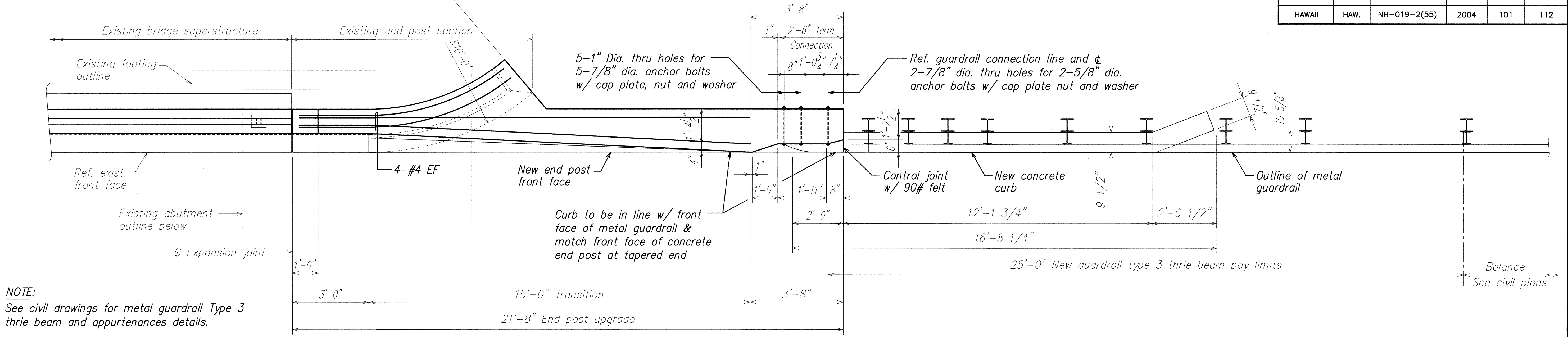
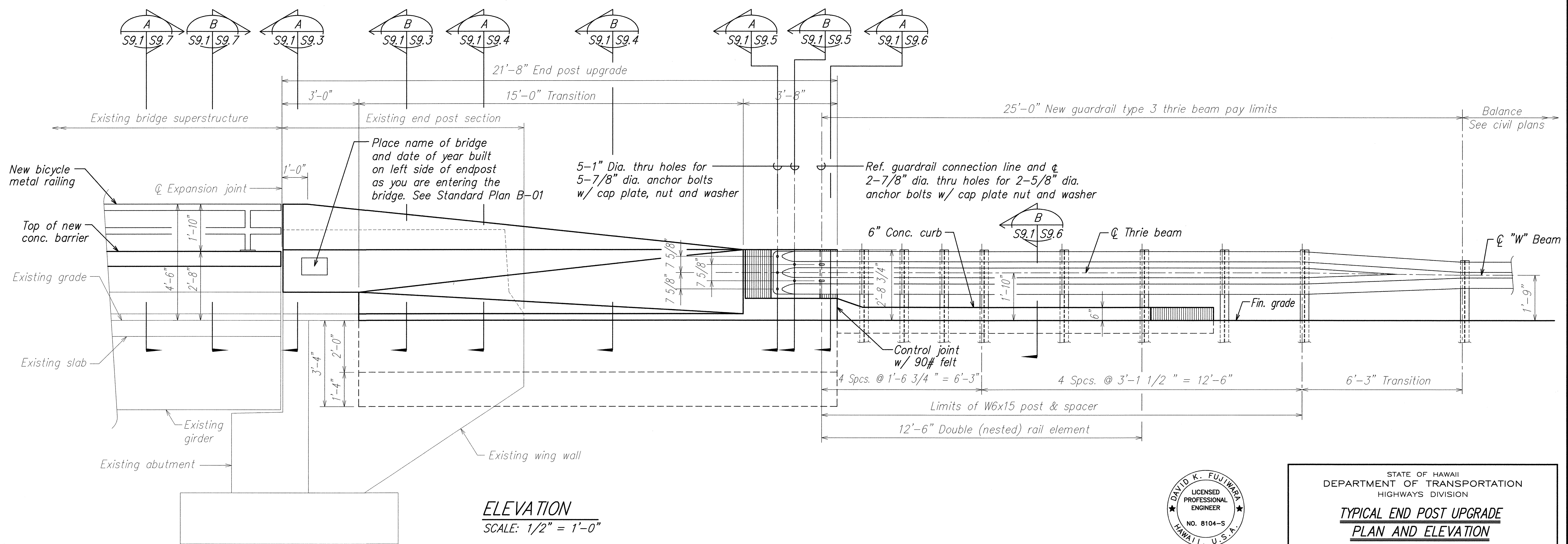


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-2(55)	2004	101	112



PLAN
SCALE: 1/2" = 1'-0"



ELEVATION
SCALE: 1/2" = 1'-0"

TYPE I ENDPOST UPGRADE PLAN AND ELEVATION

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

DAVID K. FUJIMURA
LICENSED PROFESSIONAL ENGINEER
NO. 8104-S
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: David K. Fujiwara
4-30-04
SIGNATURE EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

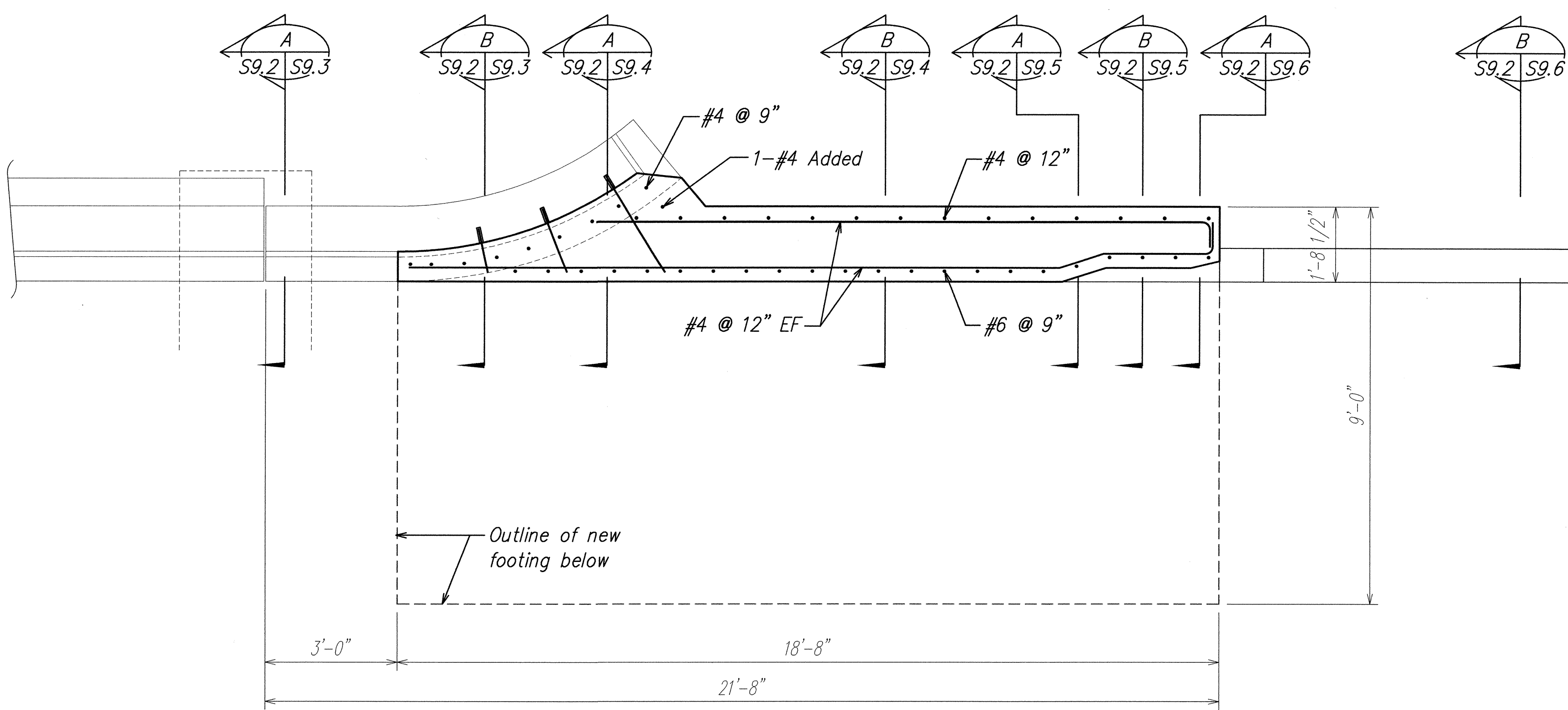
**TYPICAL END POST UPGRADE
PLAN AND ELEVATION**

HAWAII BELT ROAD RESURFACING
East Paaulo Bridge to Kaala Bridge
Federal Aid-Project No. NH-019-2(55)

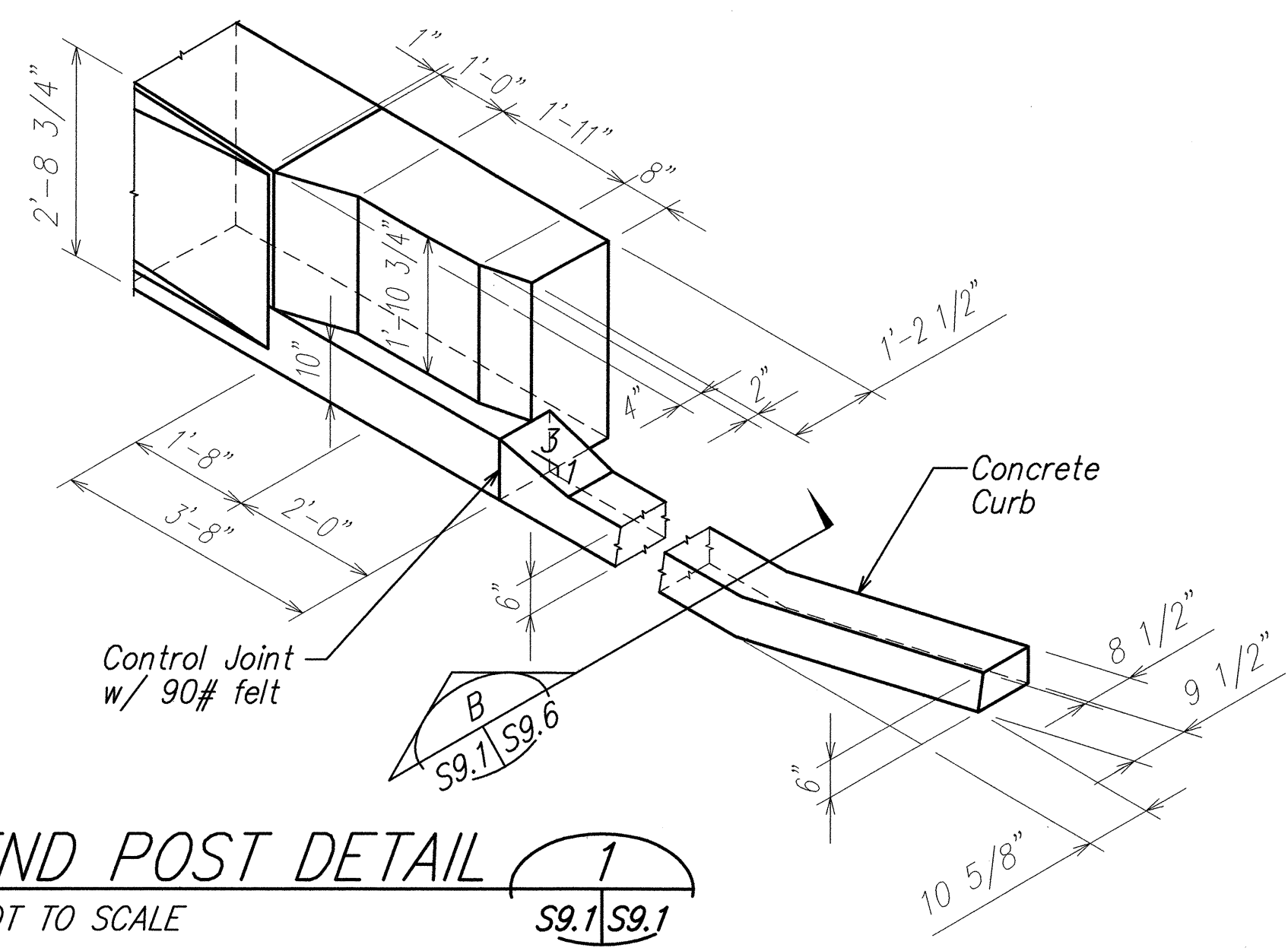
Scale: As Noted Date: April 2004

SHEET No. **S9.1** OF **61** SHEETS

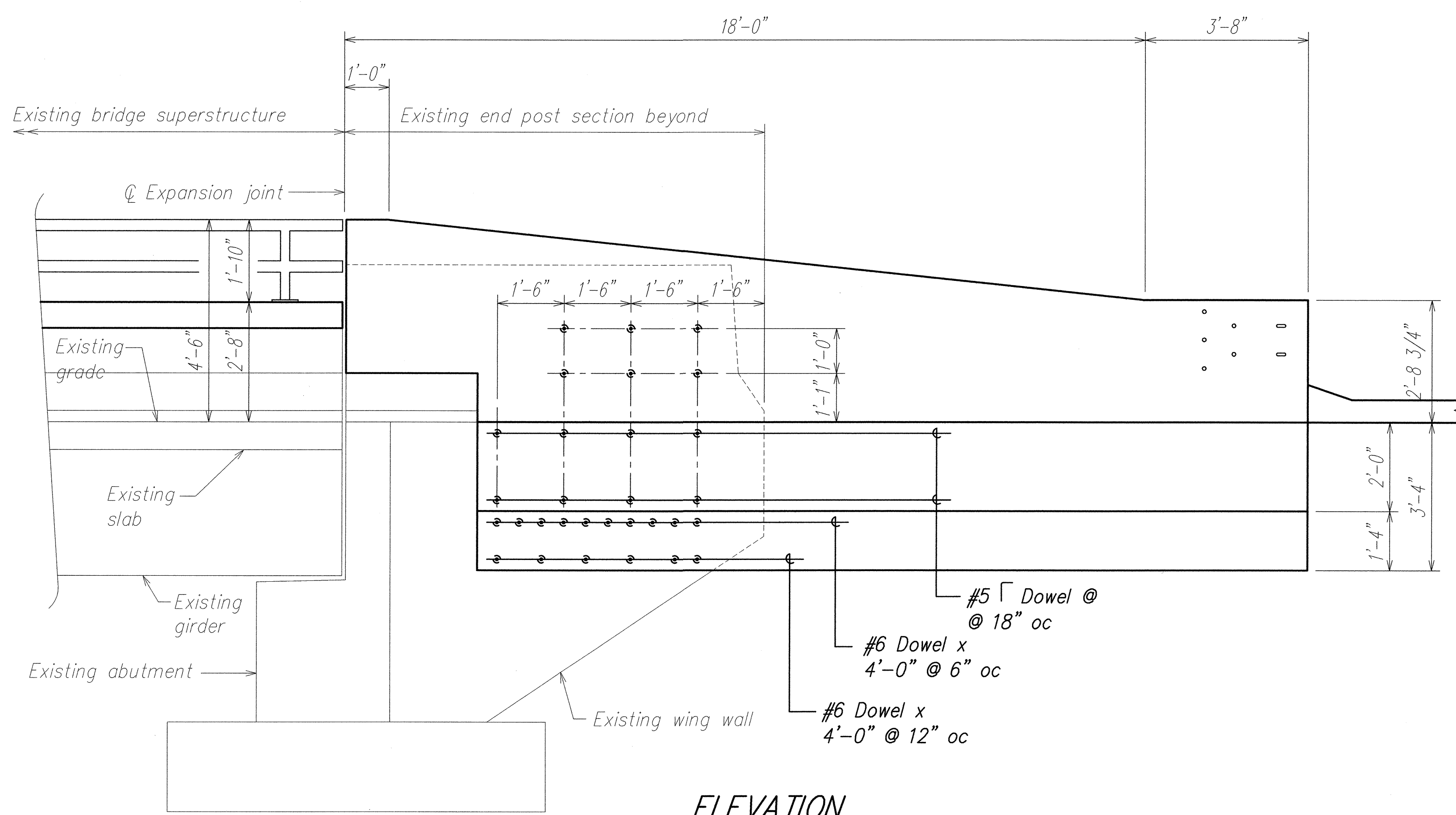
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-2(55)	2004	102	112



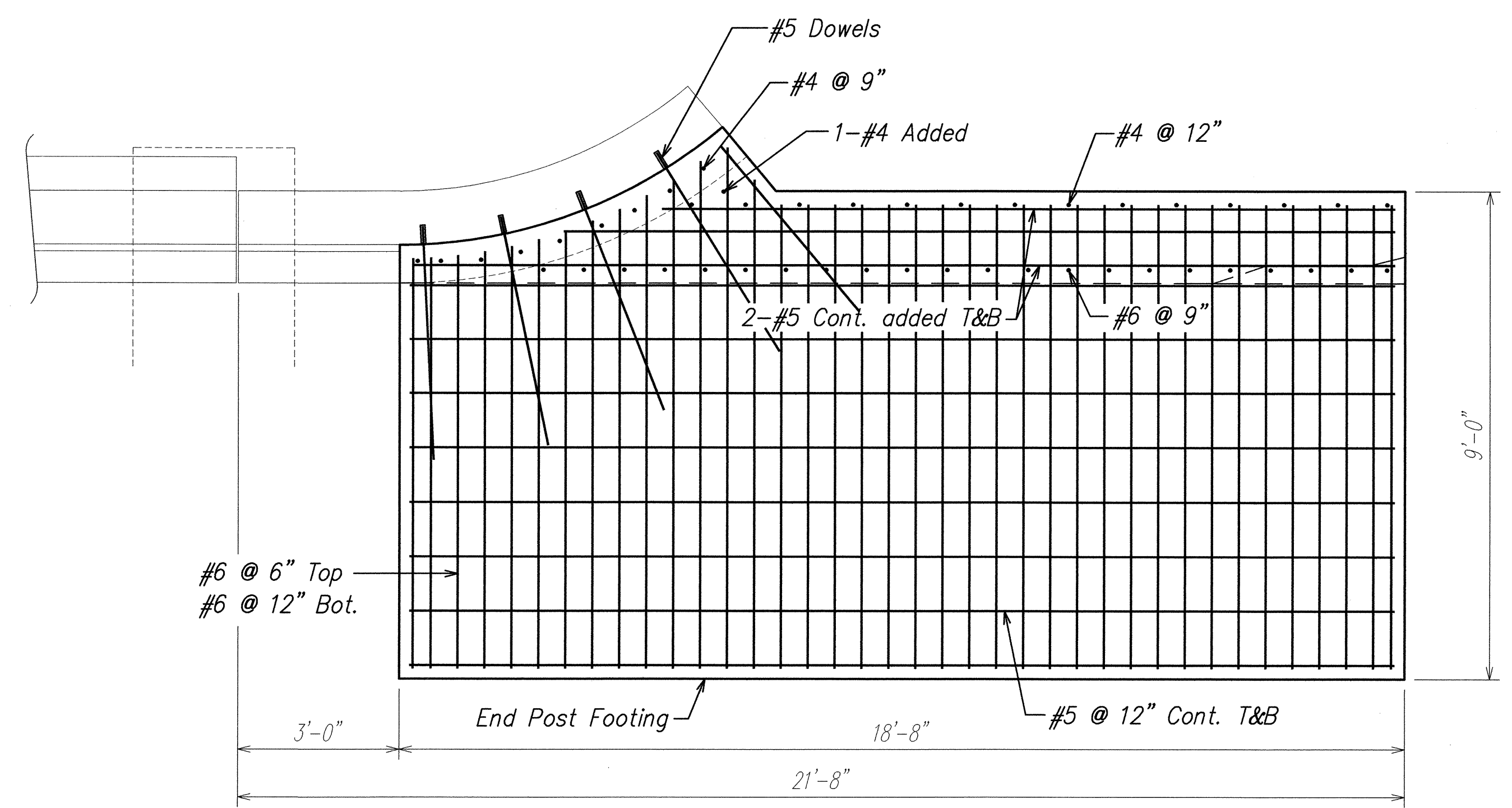
TYPICAL END POST PLAN
SCALE: 1/2" = 1'-0"



END POST DETAIL 1
NOT TO SCALE S9.1/S9.1



ELEVATION
SCALE: 1/2" = 1'-0"



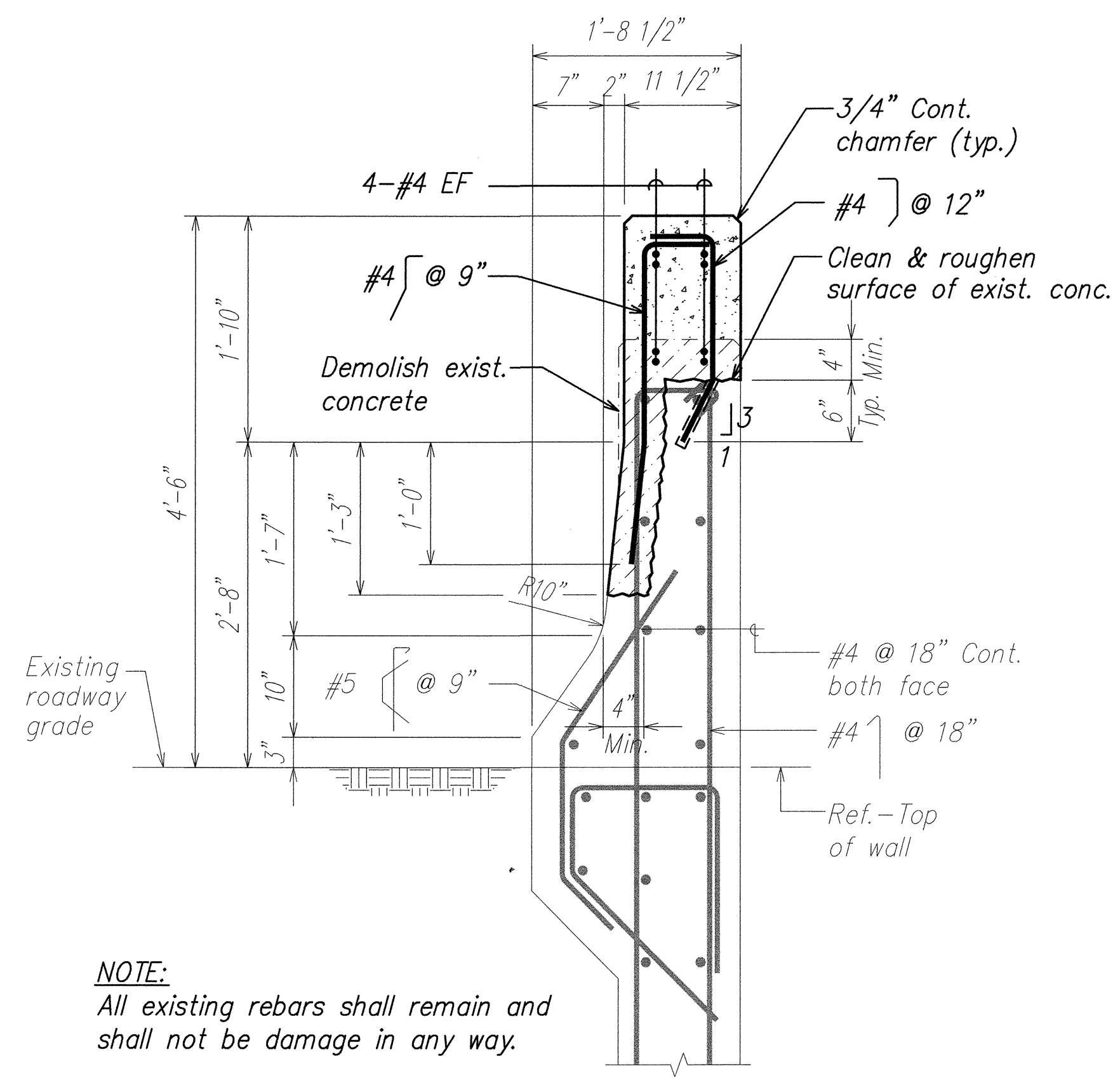
SECTION
SCALE: 1/2" = 1'-0"

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

DAVID K. FUJIMURA
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NO. 8104-S
HAWAII, U.S.A.
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SIGNATURE
EXPIRATION DATE OF THE LICENSE

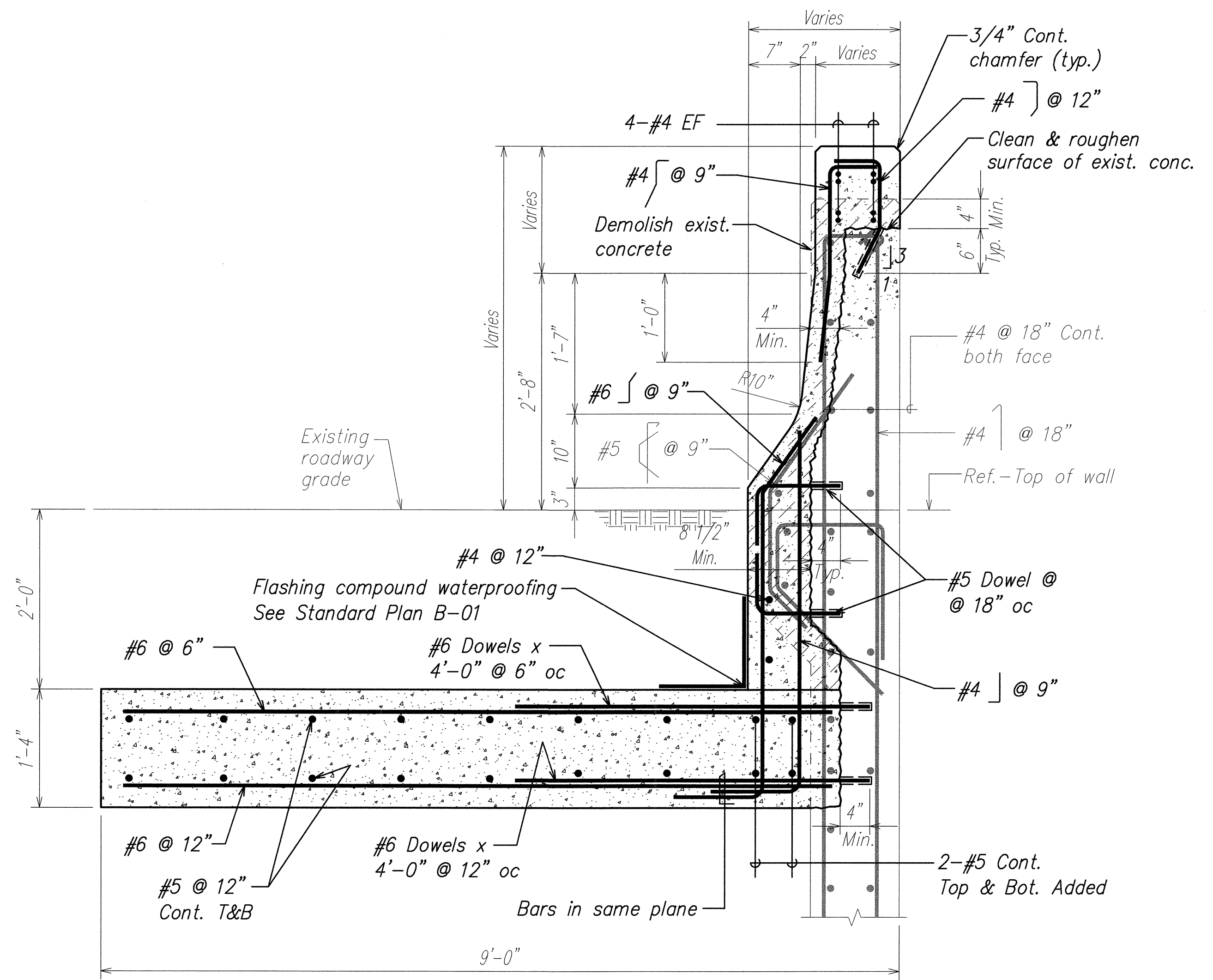
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL END POST UPGRADE
PLAN, ELEVATION AND SECTION
HAWAII BELT ROAD RESURFACING
East Paaulo Bridge to Kaala Bridge
Federal Aid-Project No. NH-019-2(55)
Scale: As Noted Date: April 2004
SHEET No. S9.2 OF 61 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-2(55)	2004	103	112



NOTE:
All existing rebars shall remain and shall not be damage in any way.

SECTION A
SCALE: 1" = 1'-0" S9.1 S9.3



NOTE:
All existing rebars shall remain and shall not be damaged in any way.

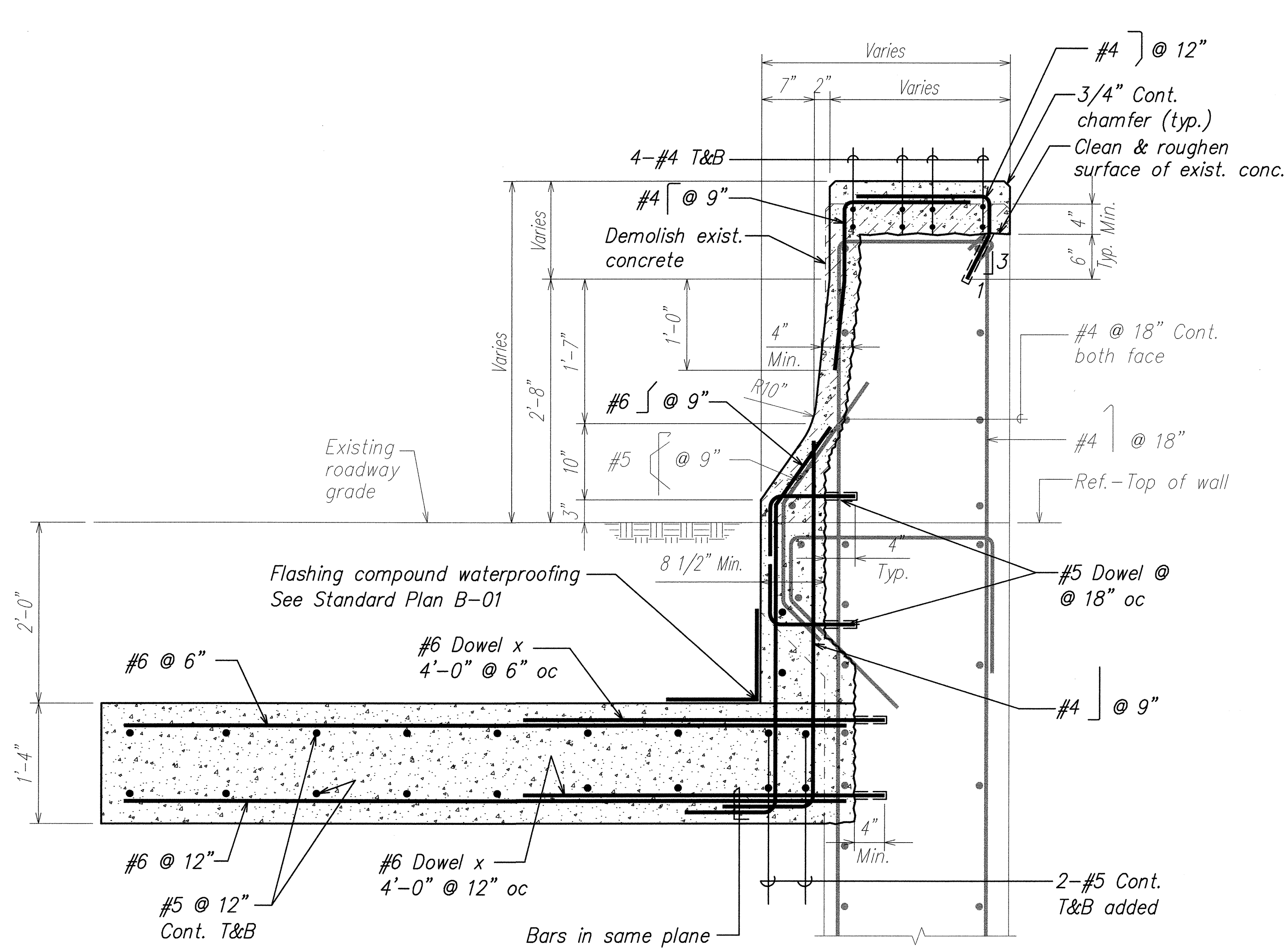
SECTION B
SCALE: 1" = 1'-0" S9.1, S9.2 S9.3

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

DAVID K. FUJIMURA
LICENSED PROFESSIONAL ENGINEER
NO. 8104-S
HAWAII, U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Signature: David K. Fujimura
EXPIRATION DATE OF THE LICENSE: 4-30-04

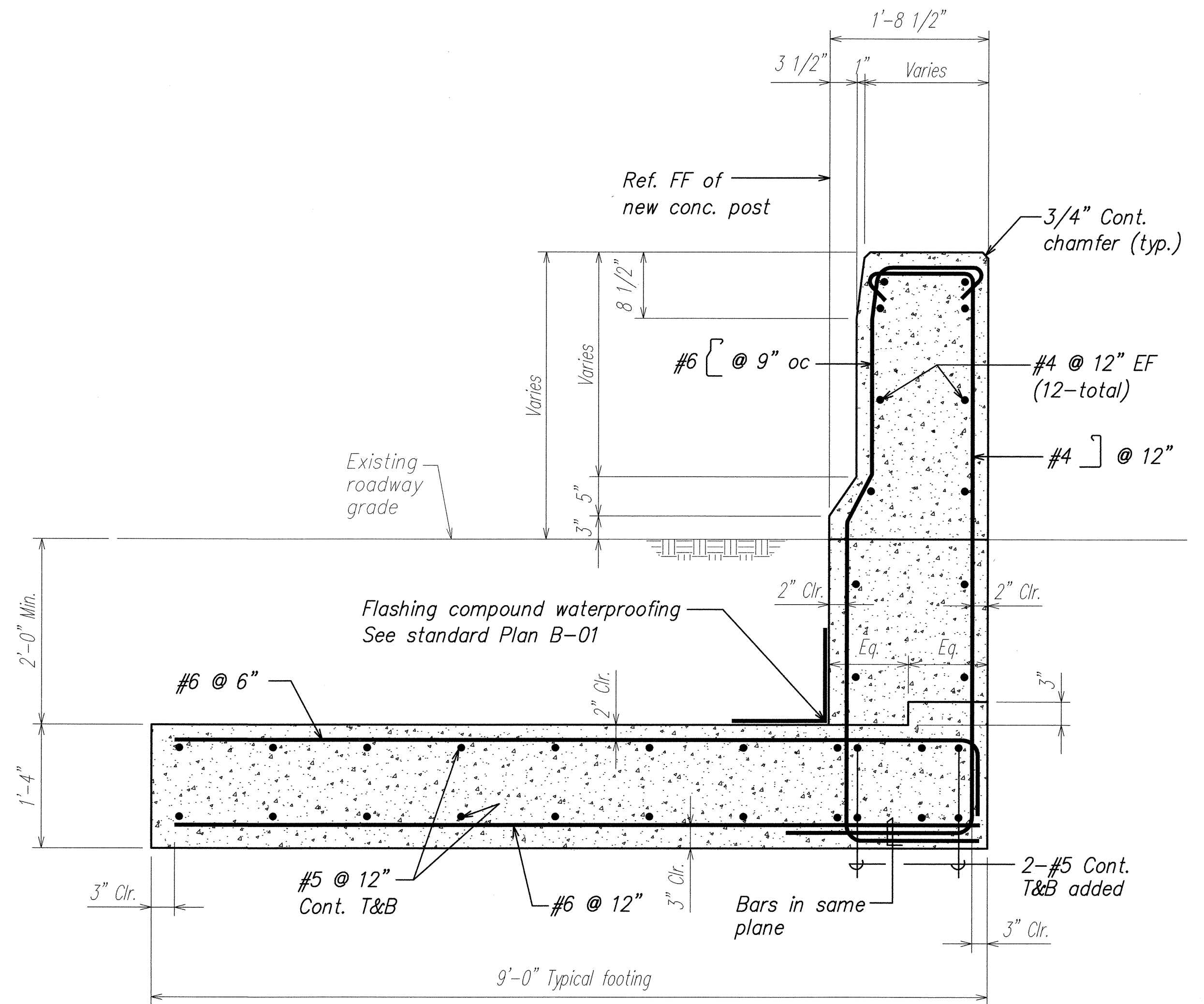
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL END POST UPGRADE
SECTIONS
HAWAII BELT ROAD RESURFACING
East Paauilo Bridge to Kaala Bridge
Federal Aid-Project No. NH-019-2(55)
Scale: As Noted Date: April 2004
SHEET No. S9.3 OF 61 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-2(55)	2004	104	112



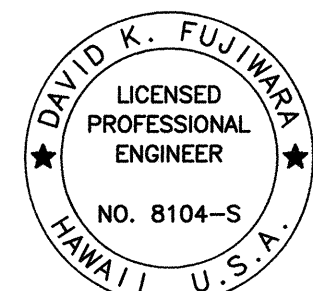
NOTE:
All existing rebars shall remain and shall not be damaged in any way.

SECTION A
SCALE: 1" = 1'-0" S9.1, S9.2, S9.4



SECTION B
SCALE: 1" = 1'-0" S9.1, S9.2, S9.4

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



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David K. Fujiwara
SIGNATURE EXPIRATION DATE OF THE LICENSE 4-30-04

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

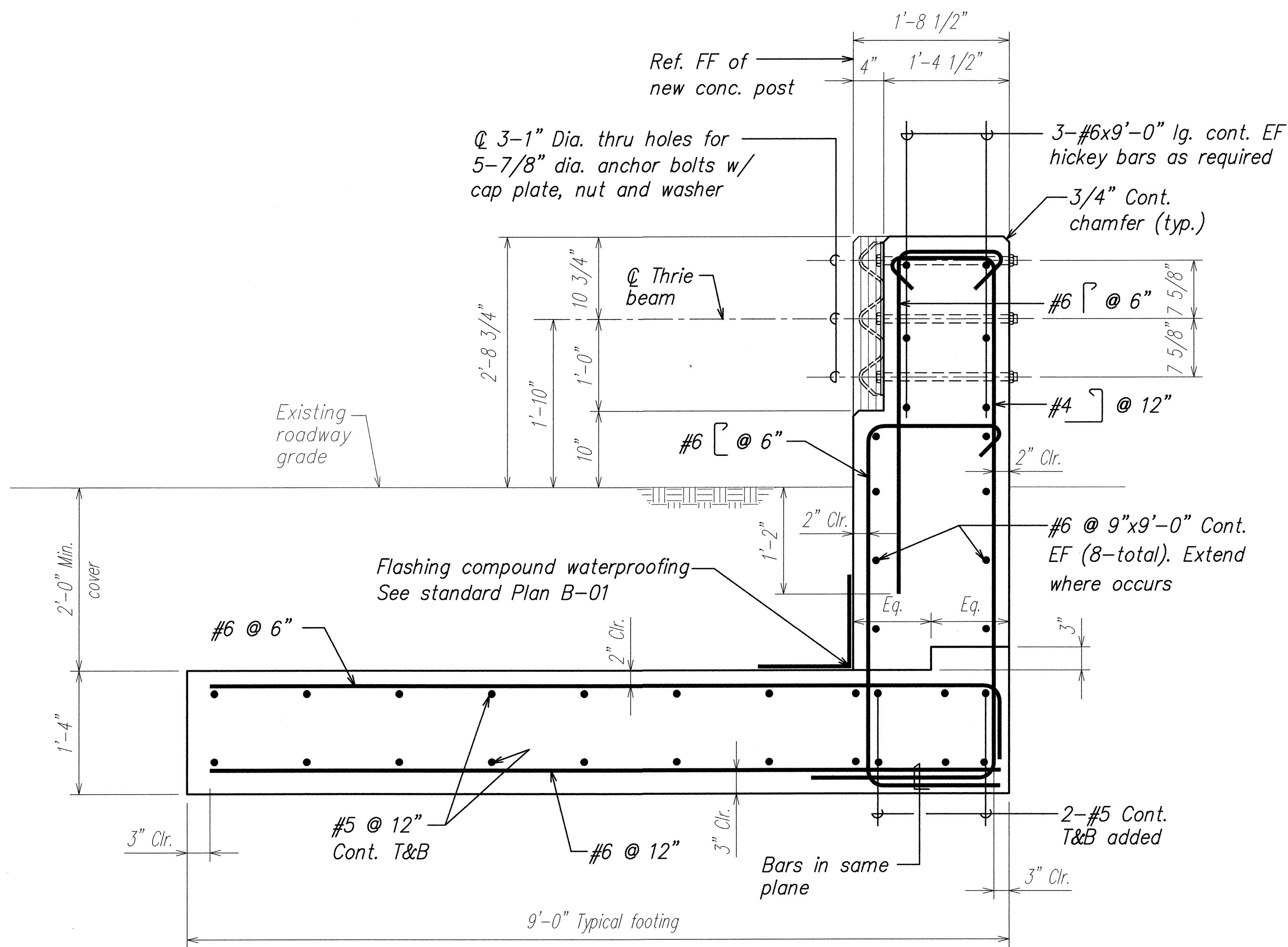
TYPICAL END POST UPGRADE SECTIONS

HAWAII BELT ROAD RESURFACING
East Paauilo Bridge to Kaala Bridge
Federal Aid-Project No. NH-019-2(55)

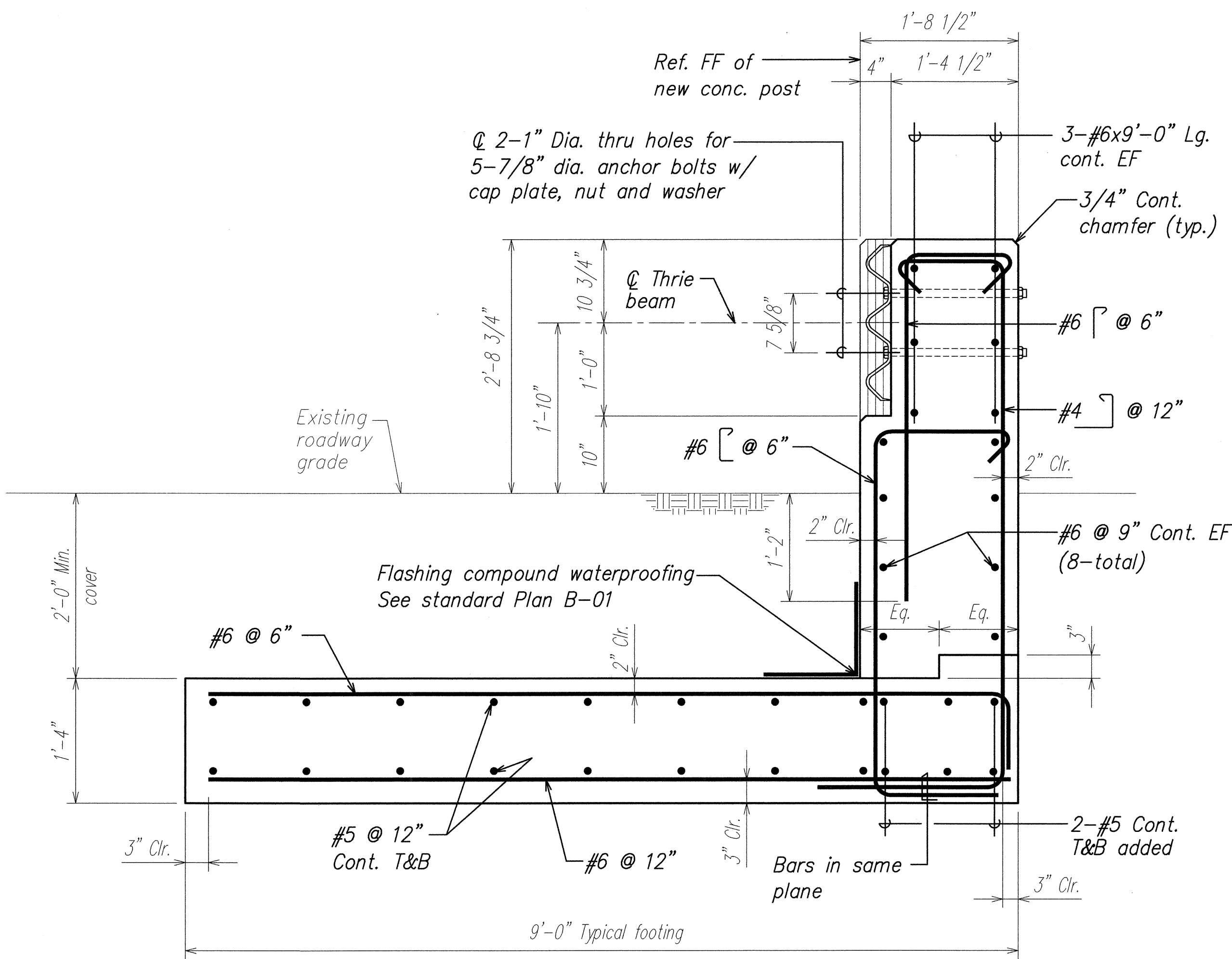
Scale: As Noted Date: April 2004

SHEET No. **S9.4** OF **61** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-2(55)	2004	105	112



SECTION A
SCALE: 1" = 1'-0" S9.1, S9.2 | S9.5



SECTION B
SCALE: 1" = 1'-0" S9.1, S9.2 | S9.5

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

DAVID K. FUJIMURA
LICENSED PROFESSIONAL ENGINEER
NO. 8104-S
HAWAII, U.S.A.

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ME OR UNDER MY SUPERVISION.

David K. Fujimura
SIGNATURE EXPIRATION DATE OF THE LICENSE 4-30-04

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

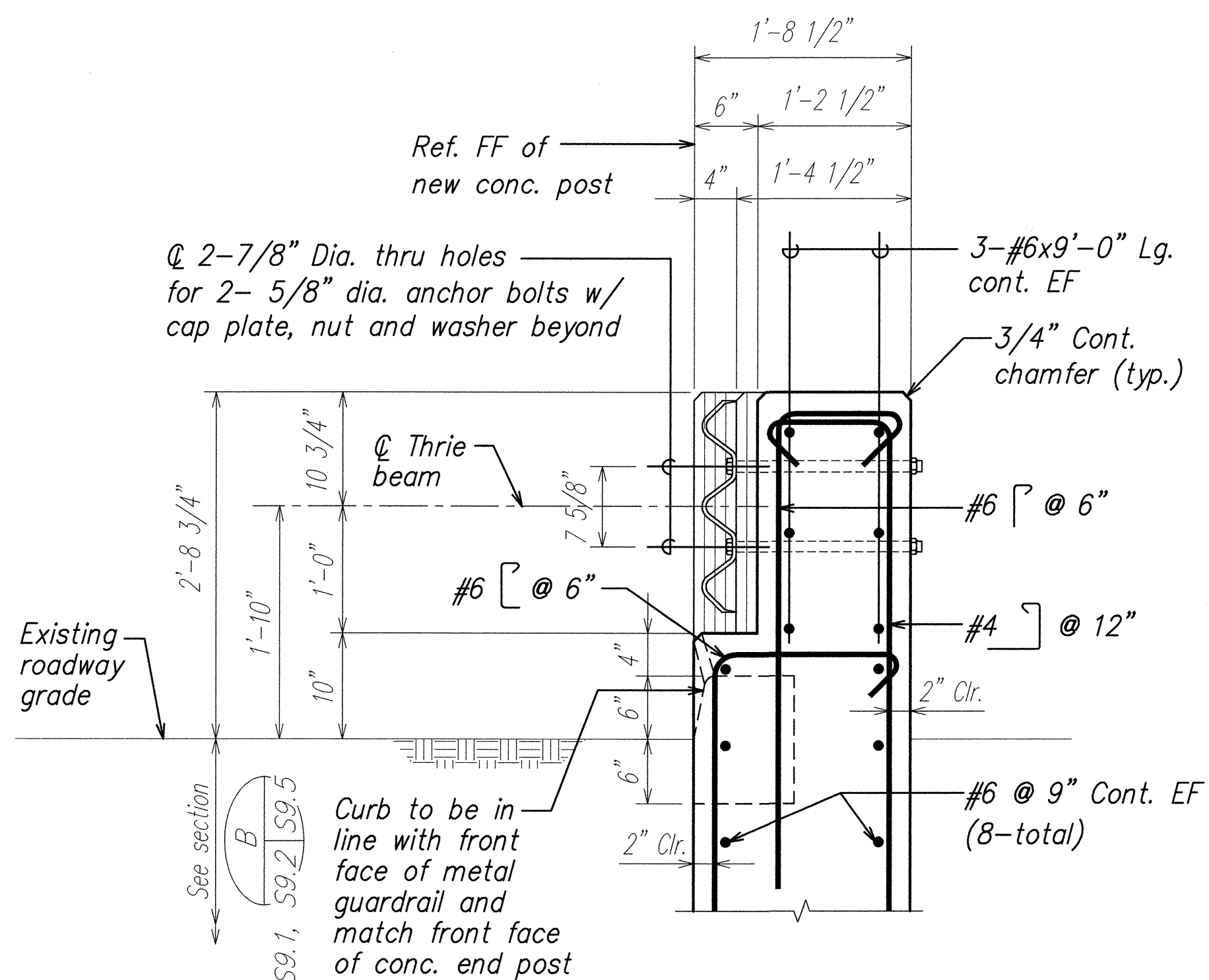
**TYPICAL END POST UPGRADE
SECTIONS**

**HAWAII BELT ROAD RESURFACING
East Paaulo Bridge to Kaala Bridge
Federal Aid-Project No. NH-019-2(55)**

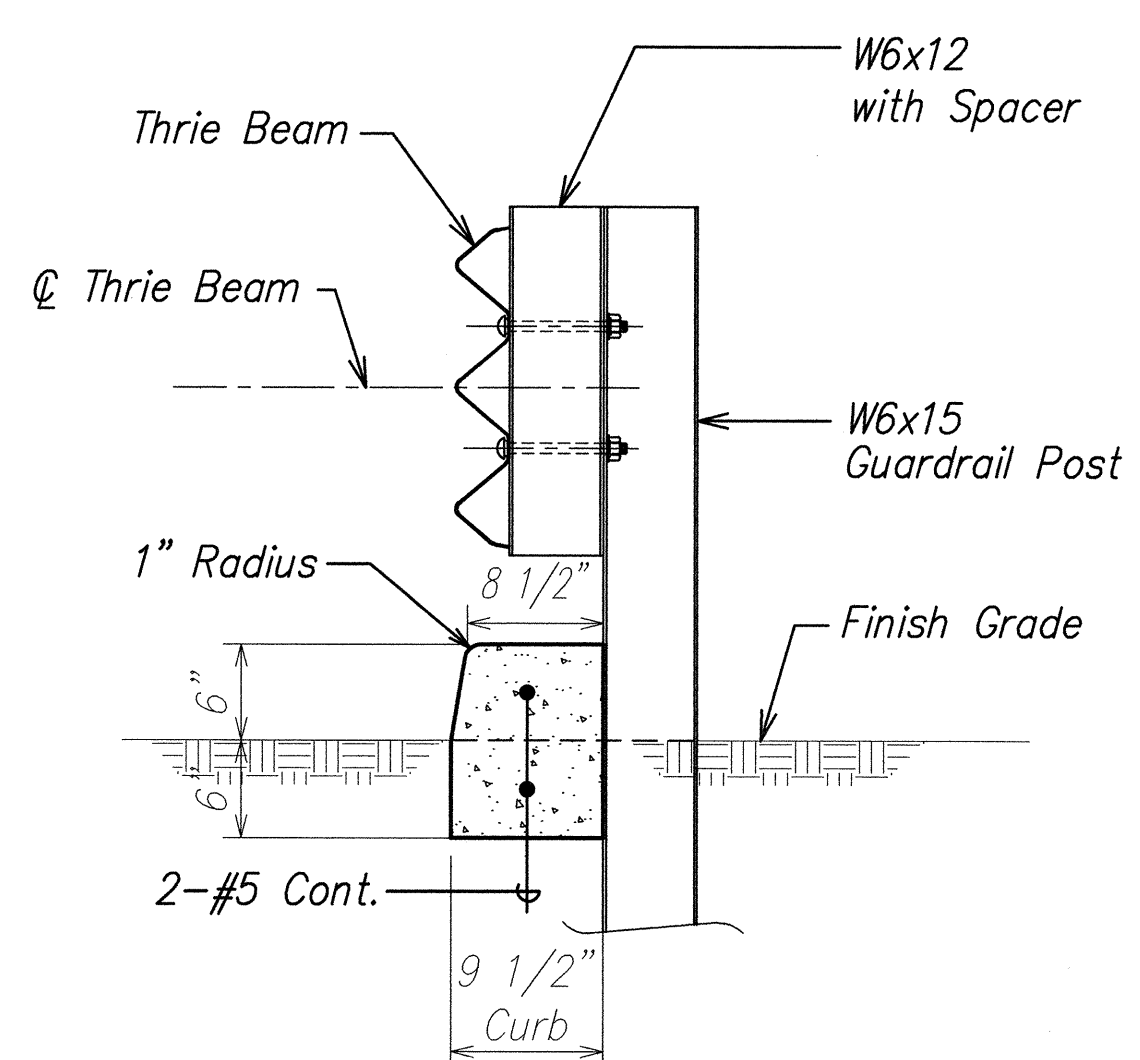
Scale: As Noted Date: April 2004

SHEET No. **S9.5** OF **61** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-2(55)	2004	106	112

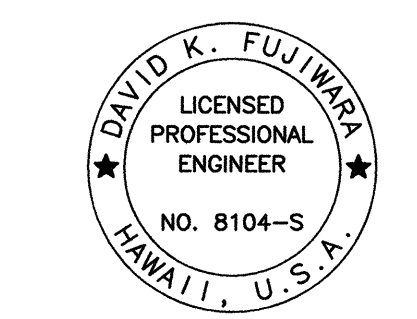


SECTION A
SCALE: 1" = 1'-0" S9.1, S9.2 S9.6



SECTION B
SCALE: 1" = 1'-0" S9.1, S9.2 S9.6

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



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David K. Fujiwara
SIGNATURE EXPIRATION DATE OF THE LICENSE 4-30-04

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

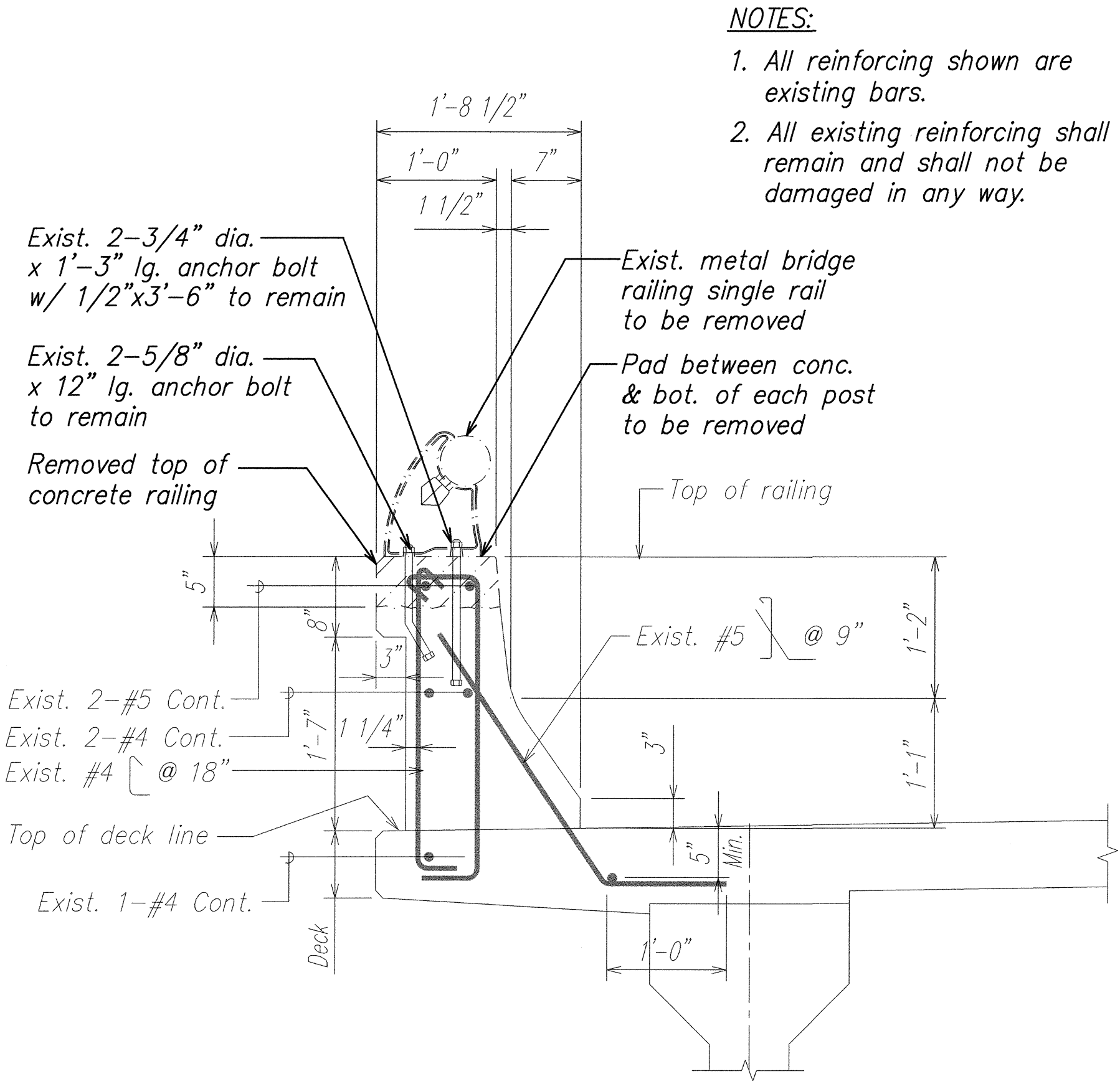
TYPICAL END POST UPGRADE SECTIONS

HAWAII BELT ROAD RESURFACING
East Paaulo Bridge to Kaala Bridge
Federal Aid-Project No. NH-019-2(55)

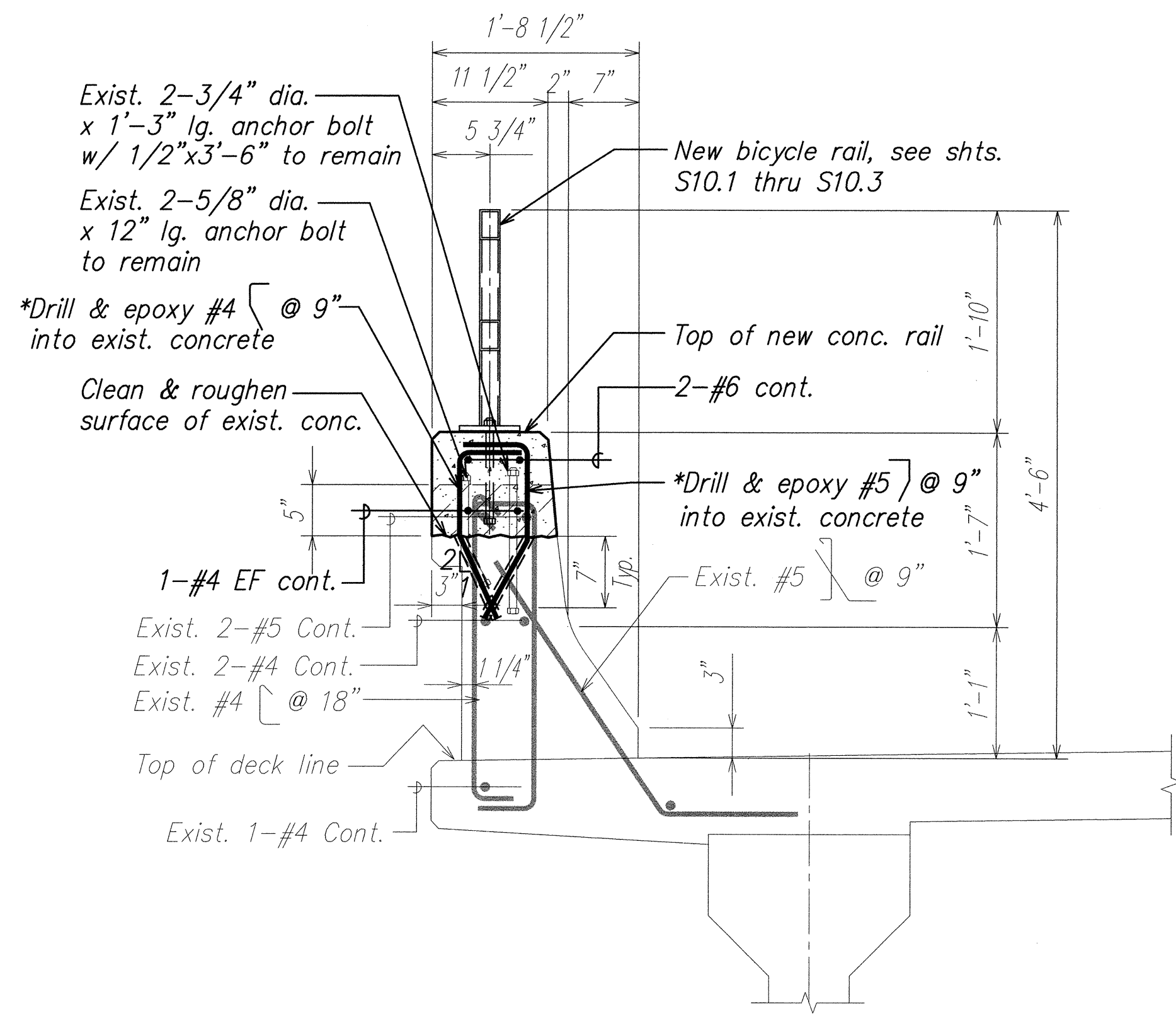
Scale: As Noted Date: April 2004

SHEET No. **S9.6** OF **61** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-2(55)	2004	107	112



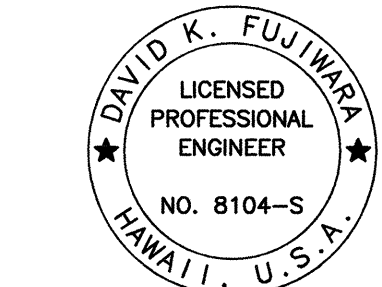
EXISTING CONCRETE
PARAPET SECTION **A**
SCALE: 1" = 1'-0" S9.1 S9.7



TYPICAL NEW CONCRETE
PARAPET SECTION **B**
SCALE: 1" = 1'-0" S9.1 S9.7

NOTE:
*Stagger #4 @ 9"
dowels and #5 @ 9"
4 1/2" apart.

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



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ME OR UNDER MY SUPERVISION.

David K. Fujiwara
SIGNATURE EXPIRATION DATE OF THE LICENSE 4-30-04

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**TYPE I CONCRETE RAILING
UPGRADE SECTIONS**

**HAWAII BELT ROAD RESURFACING
East Paaulo Bridge to Kaala Bridge
Federal Aid-Project No. NH-019-2(55)**

Scale: As Noted Date: April 2004

SHEET No. **S9.7** OF **61** SHEETS