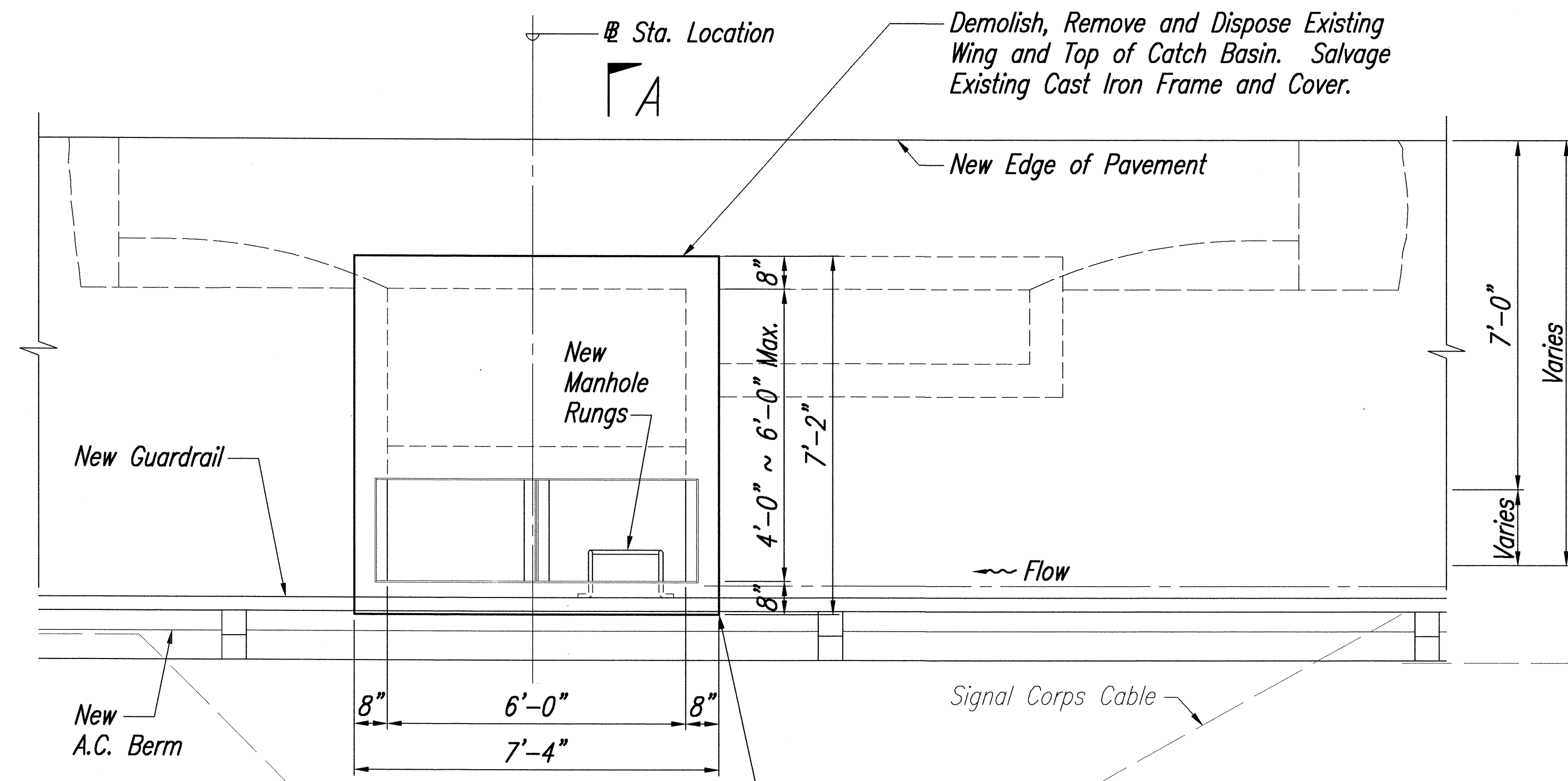
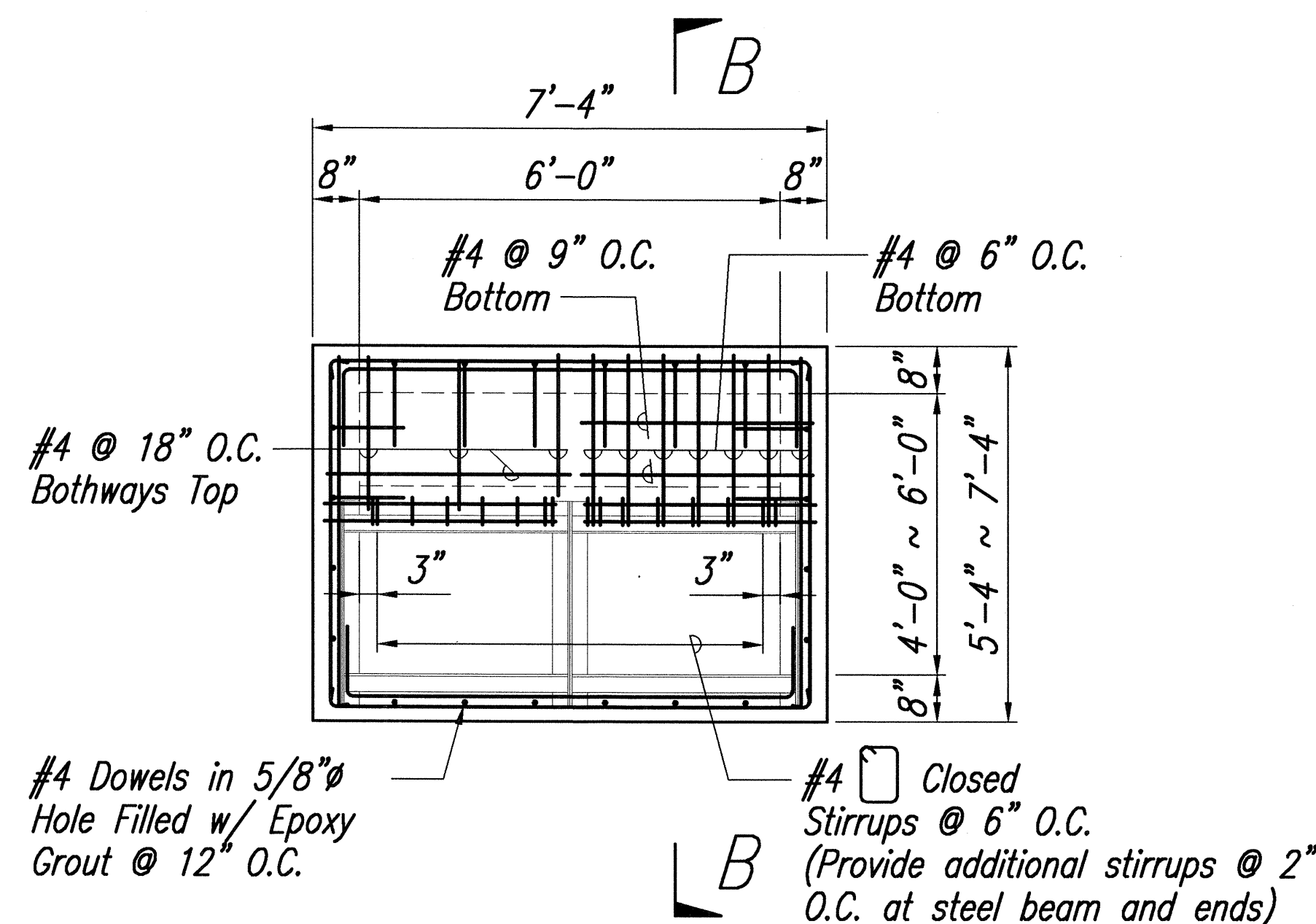


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	81	187

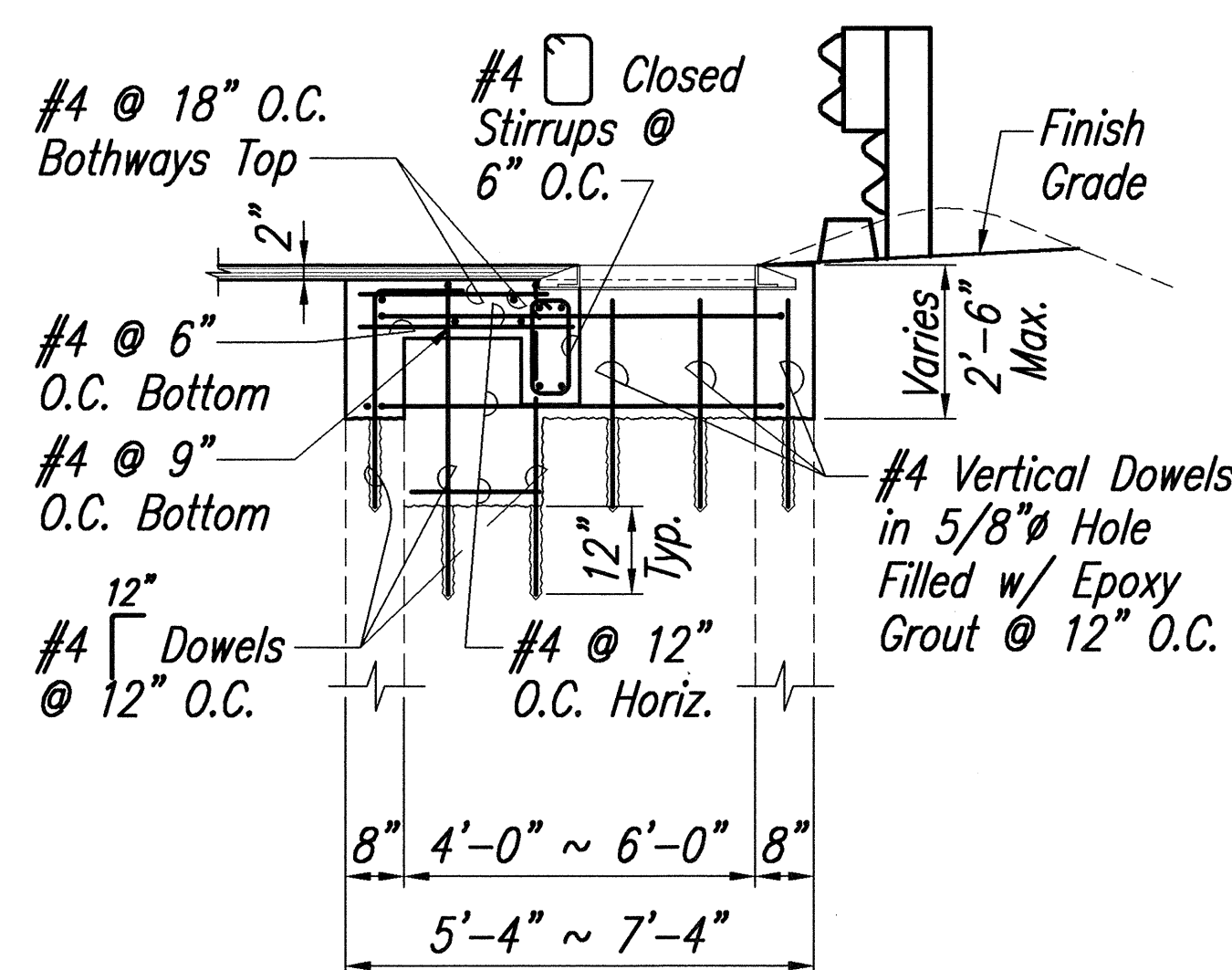


NOTE:
Contractor Shall Verify the Location of Existing Signal Corps Cable, Prior to Installation of New Guardrail.

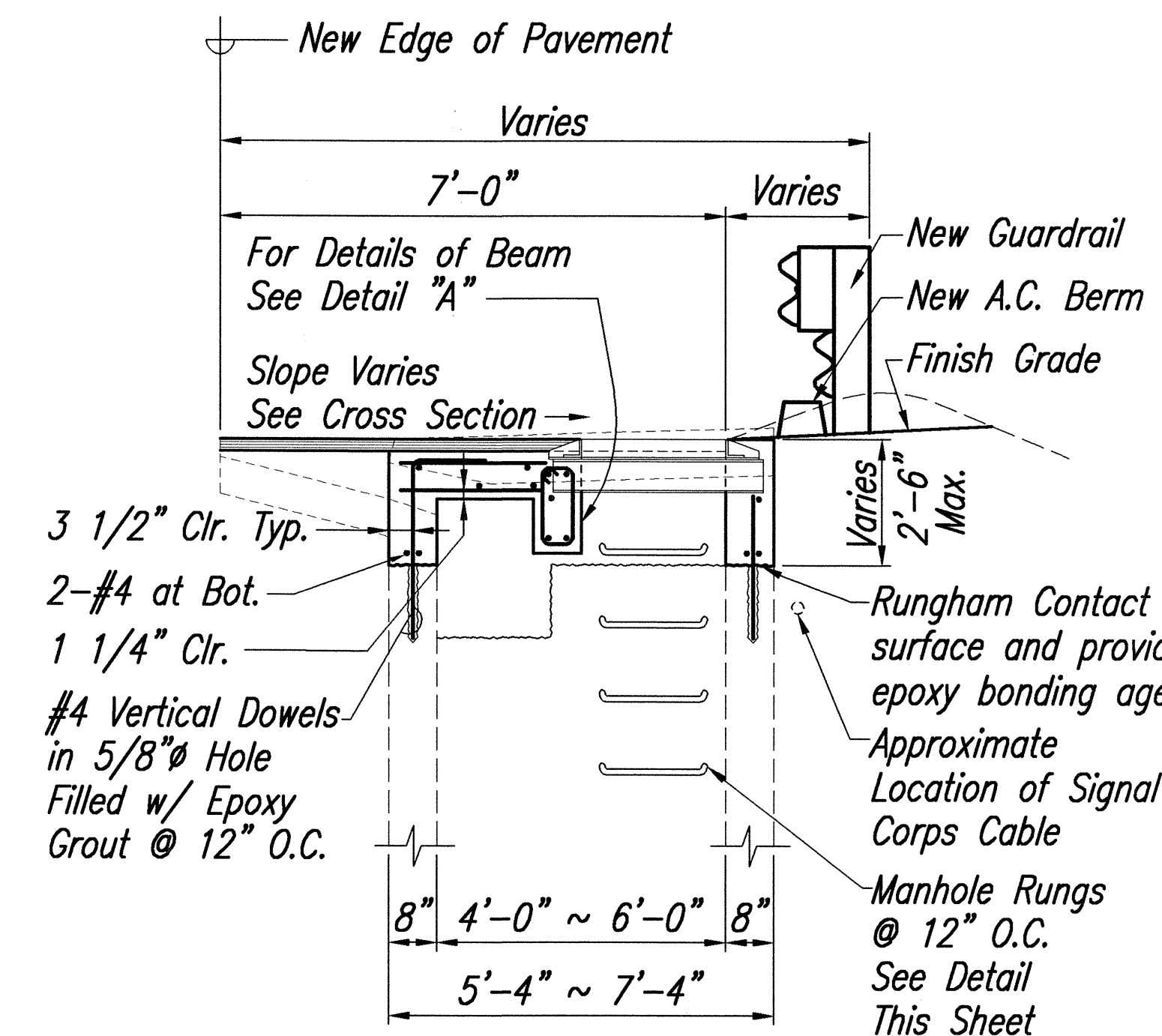
PLAN
Construct New Concrete Top and Install Type "A-45" Steel Frame and Grate. For Detail of Steel Frame and Grate See Std. Plan H-10



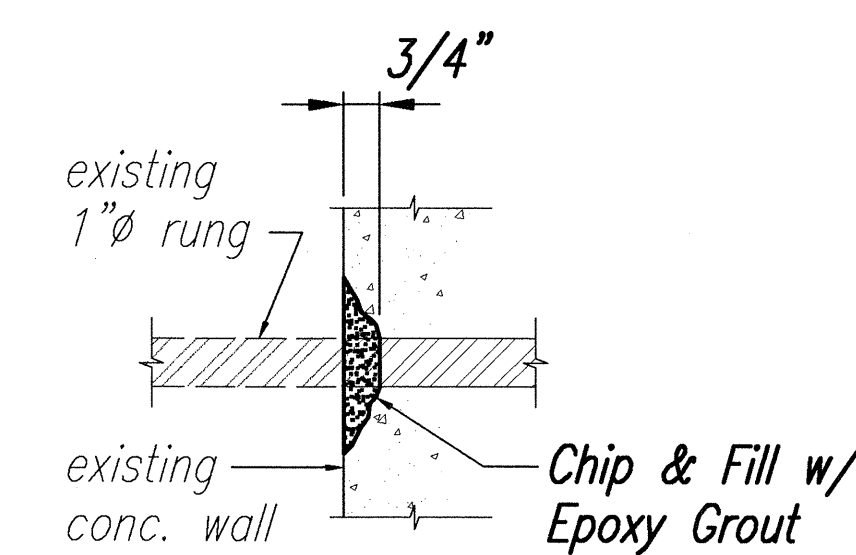
PLAN VIEW OF REINFORCING STEEL



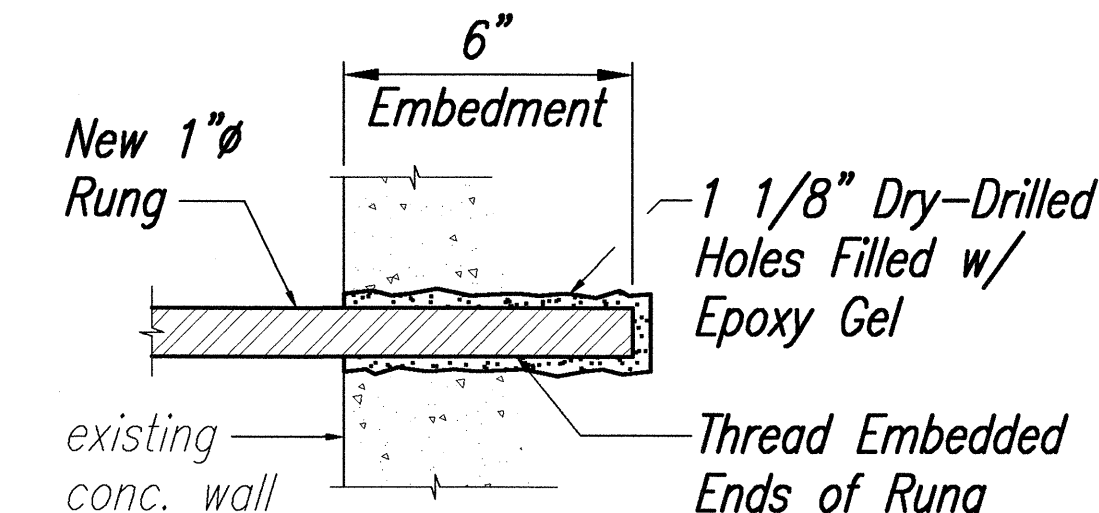
SECTION "B-B"



SECTION "A-A"

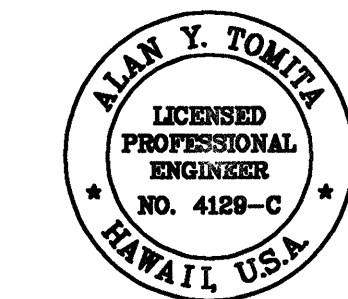


CUTTING EXISTING RUNG



INSTALLING NEW RUNG

MANHOLE RUNGS
SCALE: 3"=1'-0"



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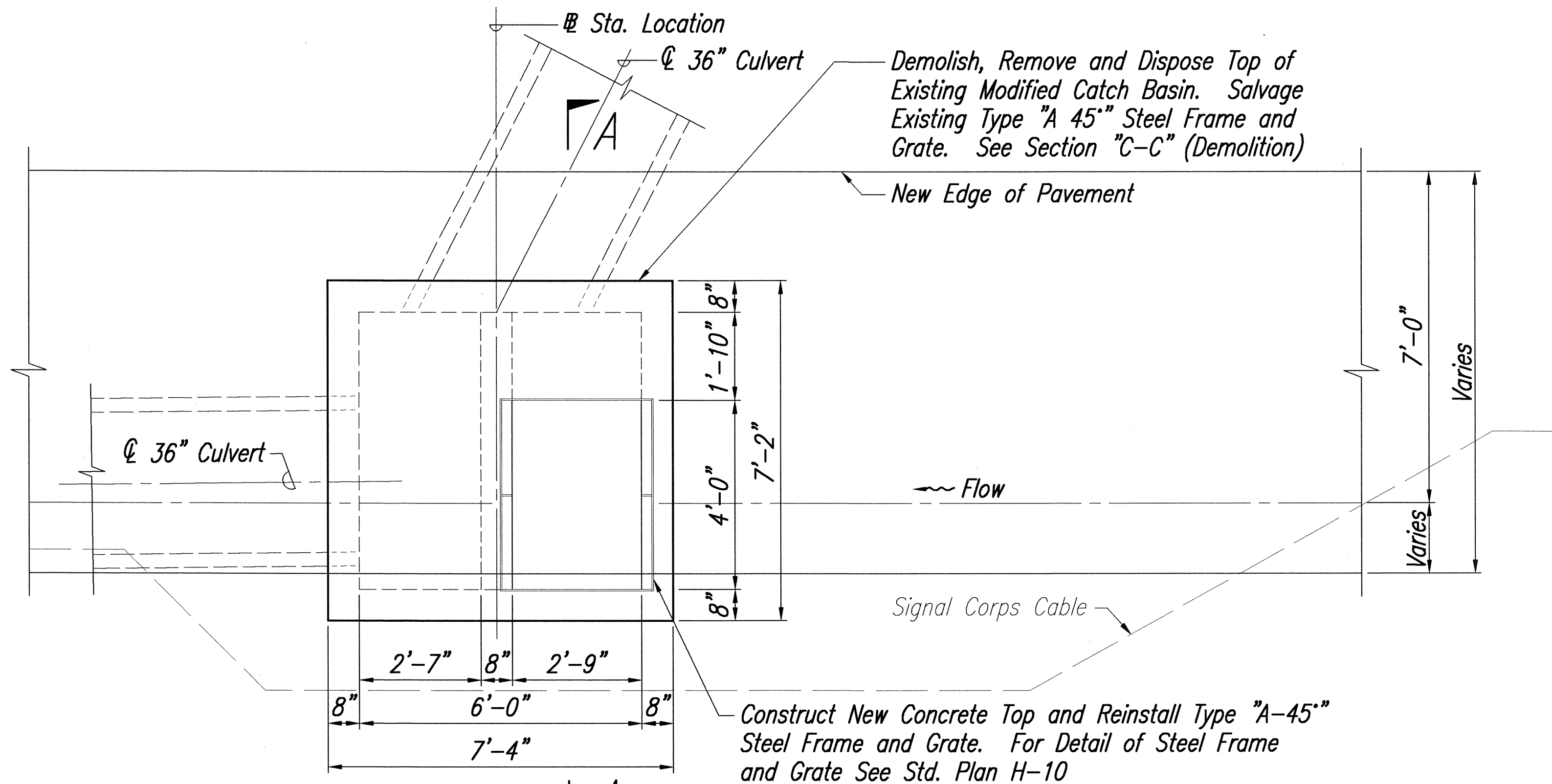
Alan Y. Tomita

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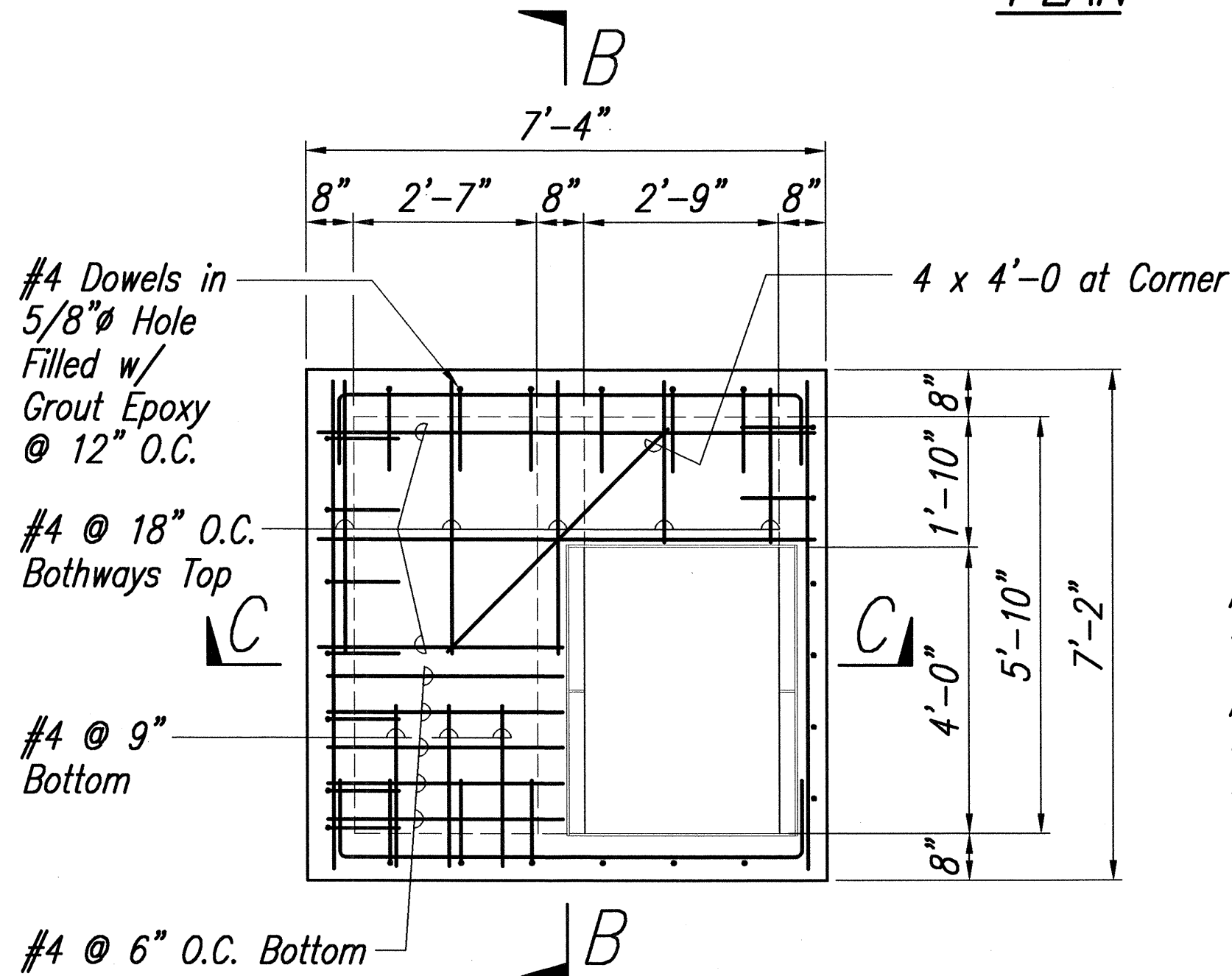
DRAINAGE DETAILS

LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	82	187

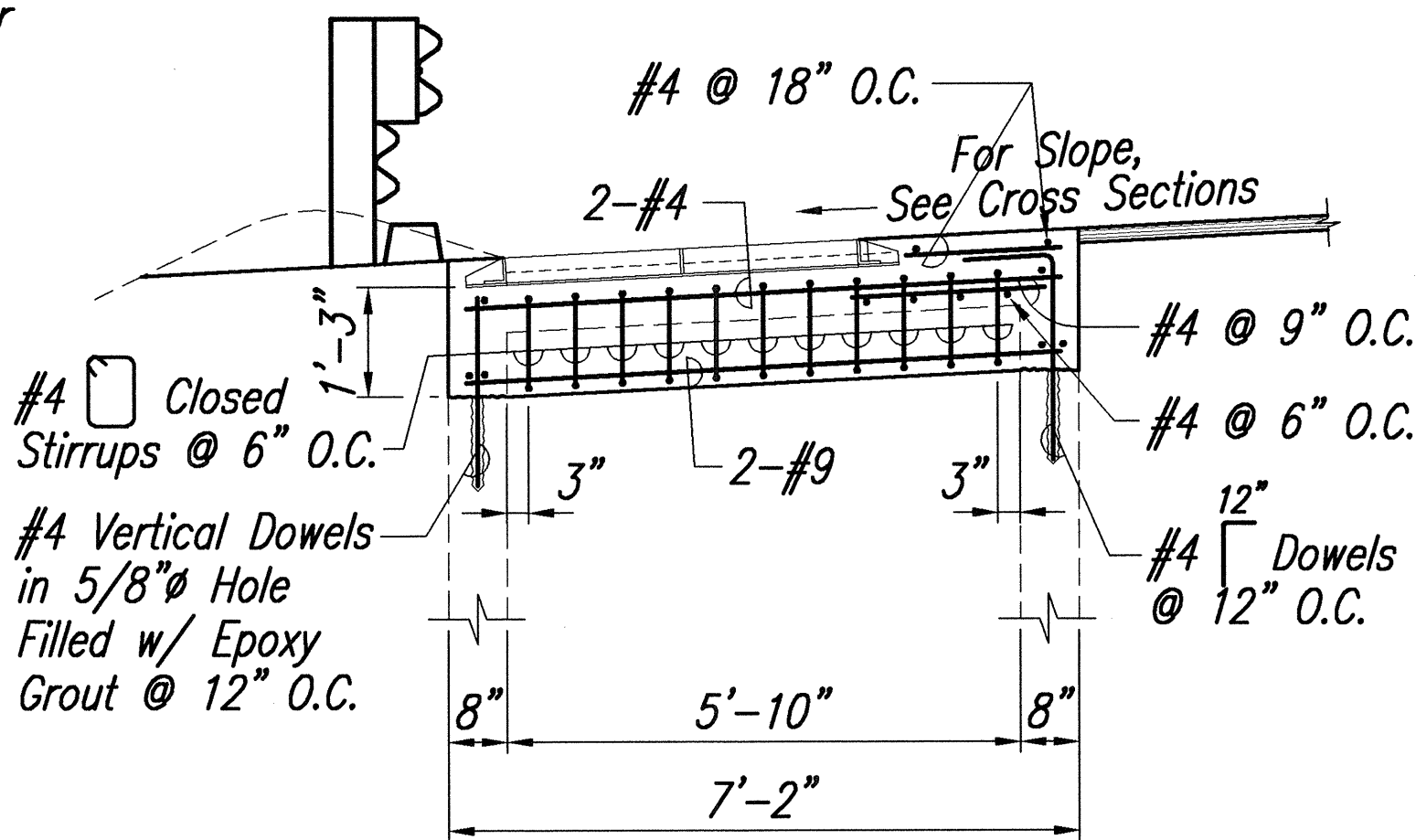


PLAN

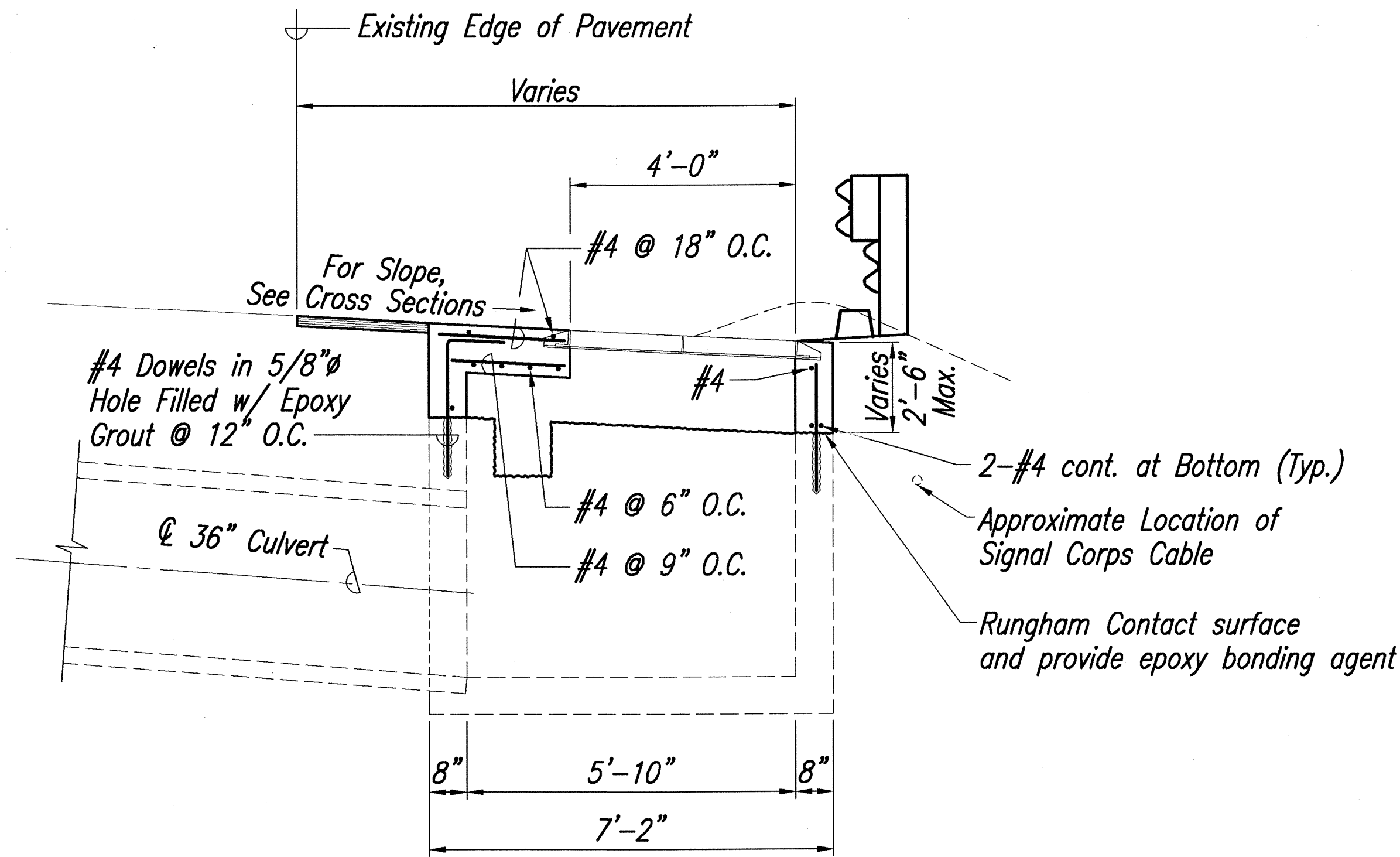


PLAN VIEW OF REINFORCING STEEL

NOTE:
Contractor Shall Verify the Location
of Existing Signal Corps Cable, Prior
to Installation of New Guardrail.

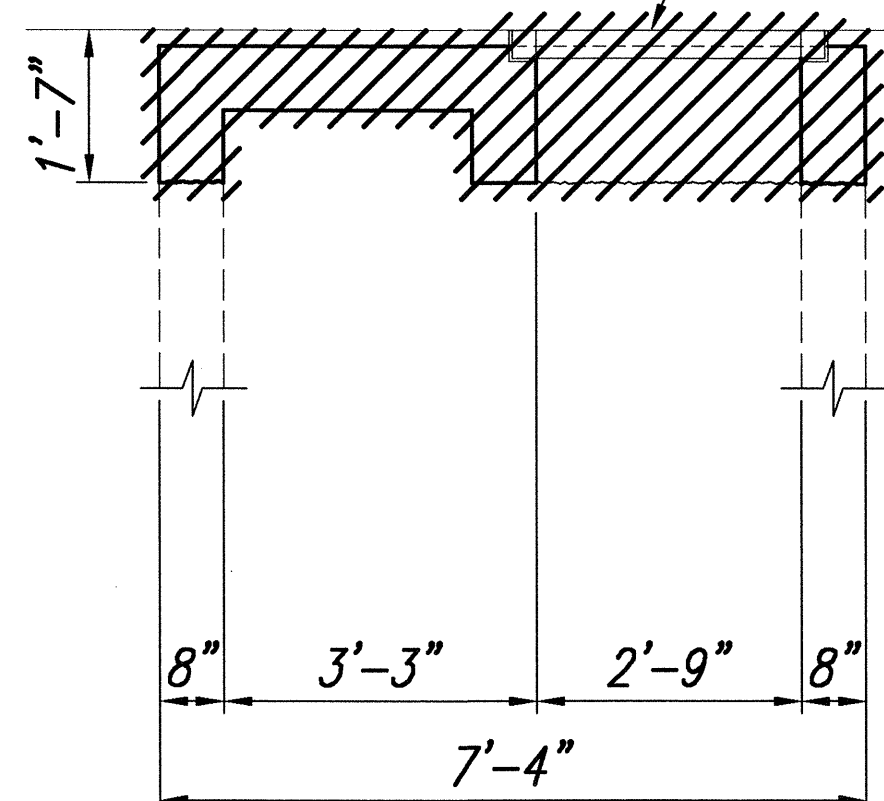


SECTION "B-B"

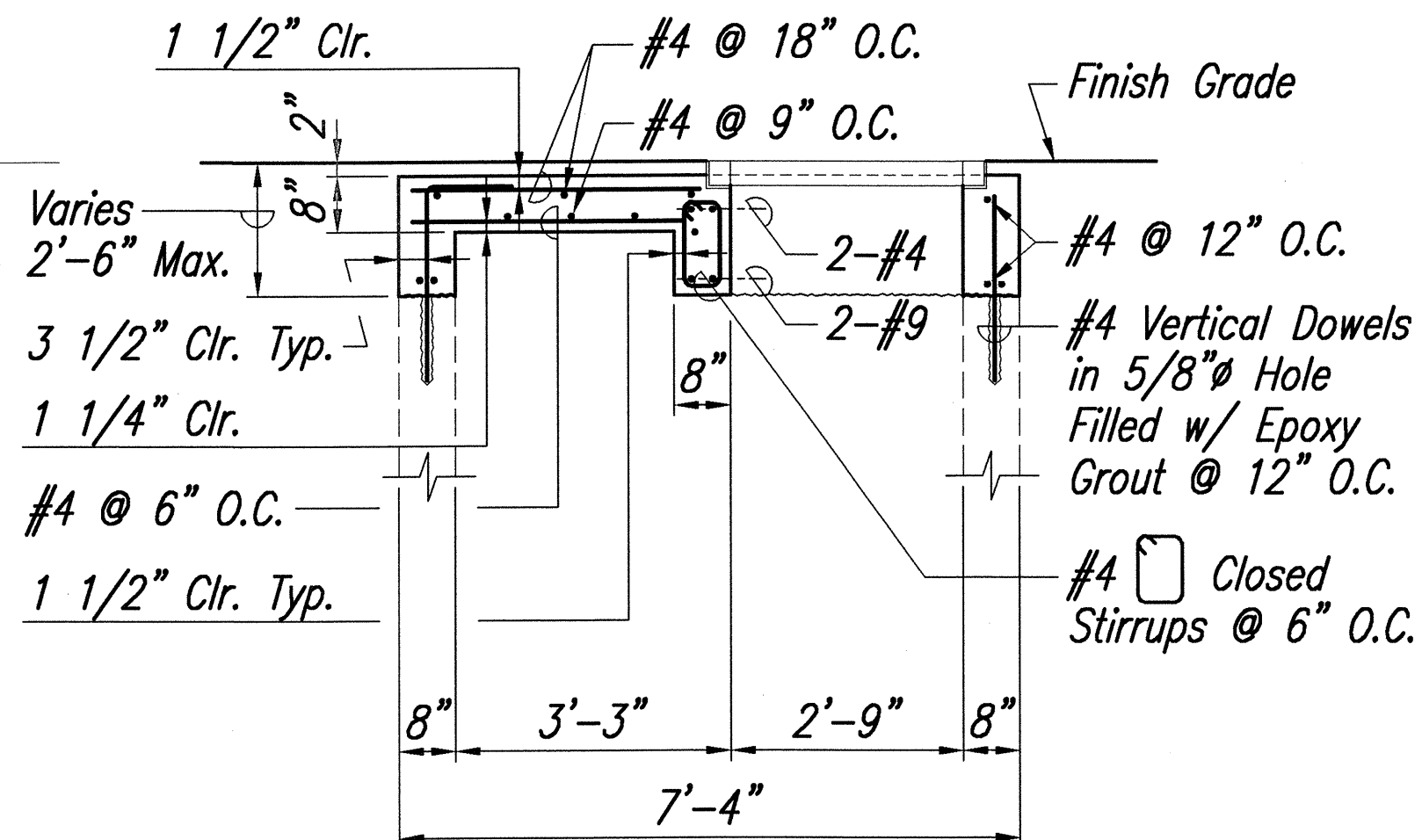


SECTION "A-A"

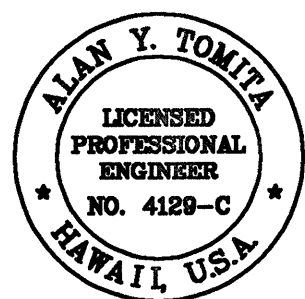
Demolish, Remove and Dispose
Top of Exist. Modified Catch Basin,
Salvage Existing Type "A-45"
Steel Frame and Grate



DEMOLITION OF EXISTING



SECTION "C-C"



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HIGHWAYS DIVISION

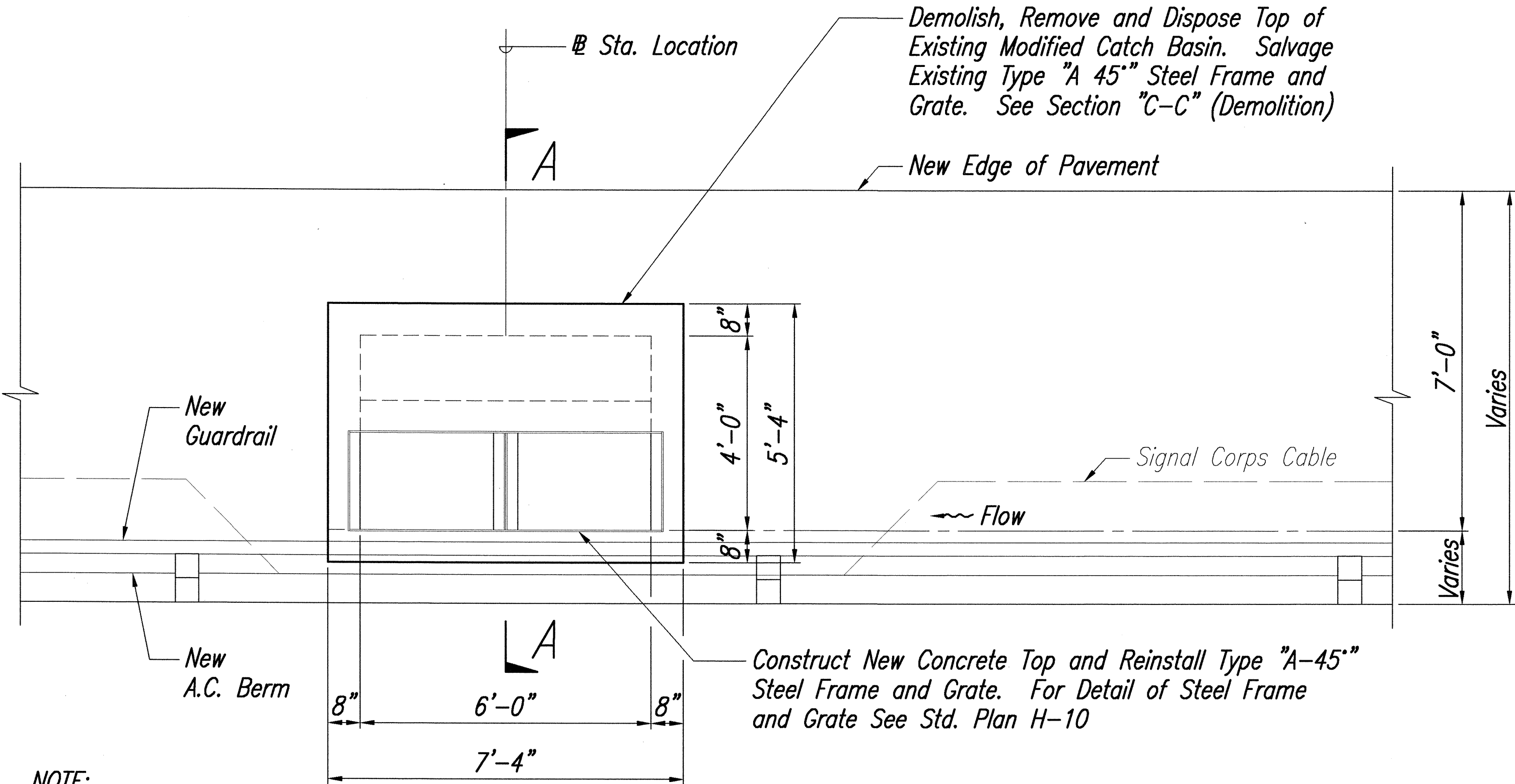
DRAINAGE DETAILS

LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)

Scale: As Shown Date: December, 2001

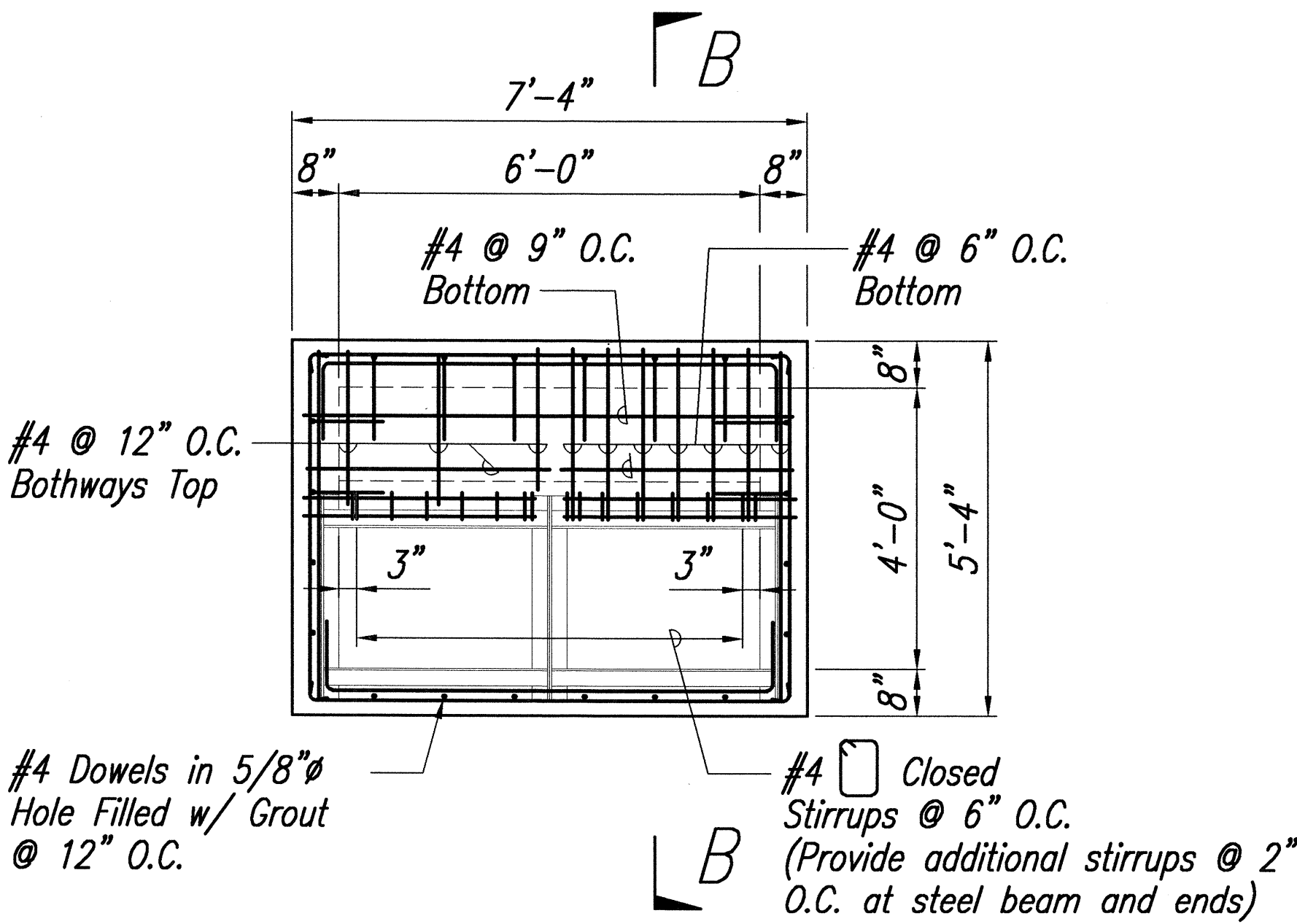
SHEET No. 2 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	83	187



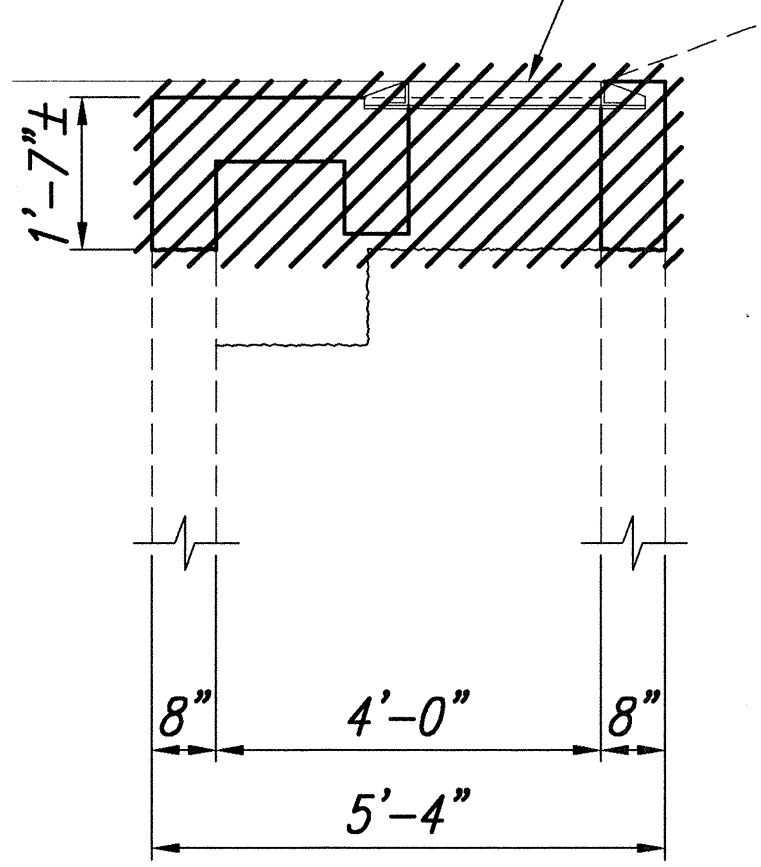
NOTE:
Contractor Shall Verify the Location of Existing Signal Corps Cable, Prior to Installation of New Guardrail.

PLAN

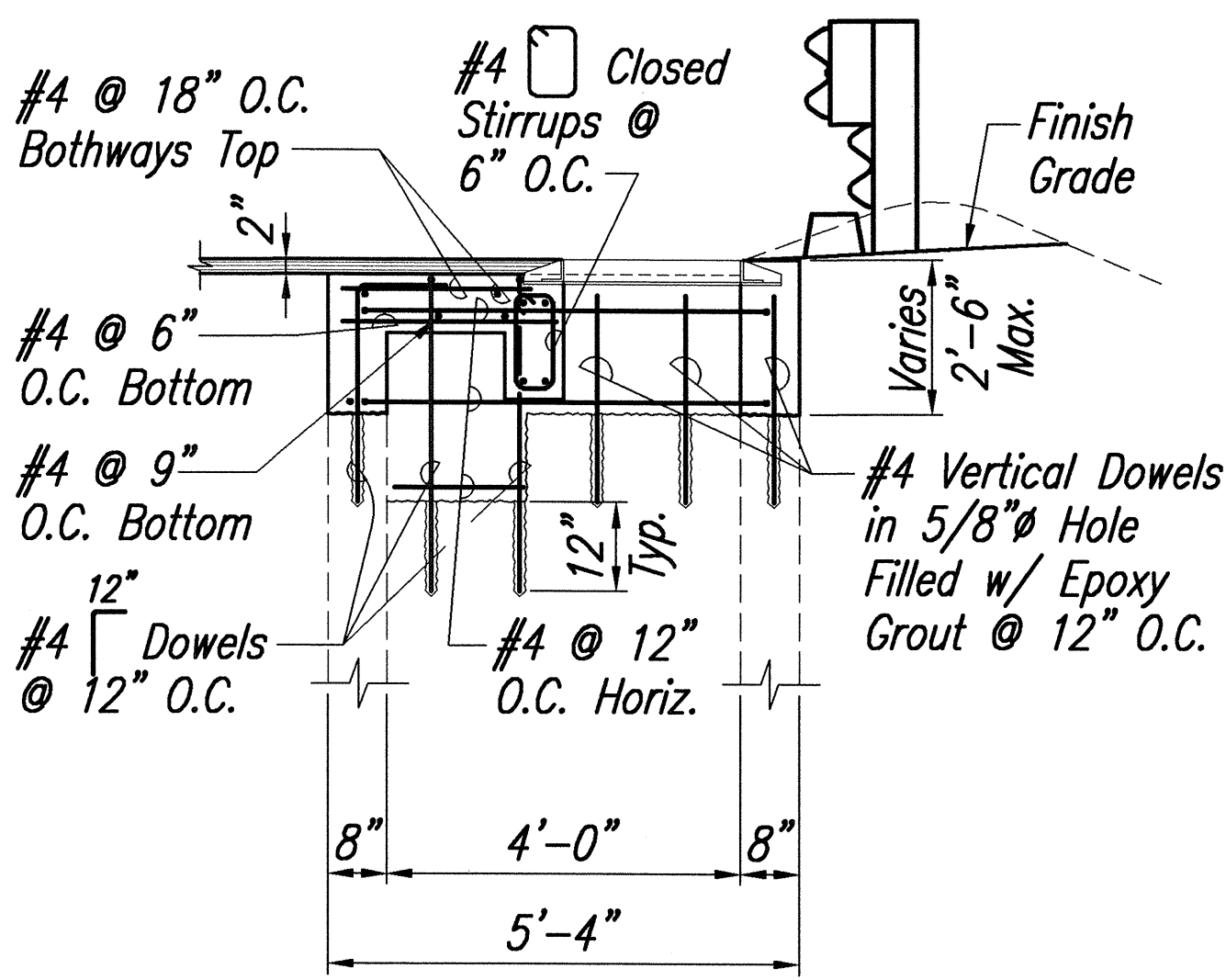


PLAN VIEW OF REINFORCING STEEL

Demolish, Remove and Dispose Top of Exist. Modified Catch Basin, Salvage Existing Type "A-45" Steel Frame and Grate

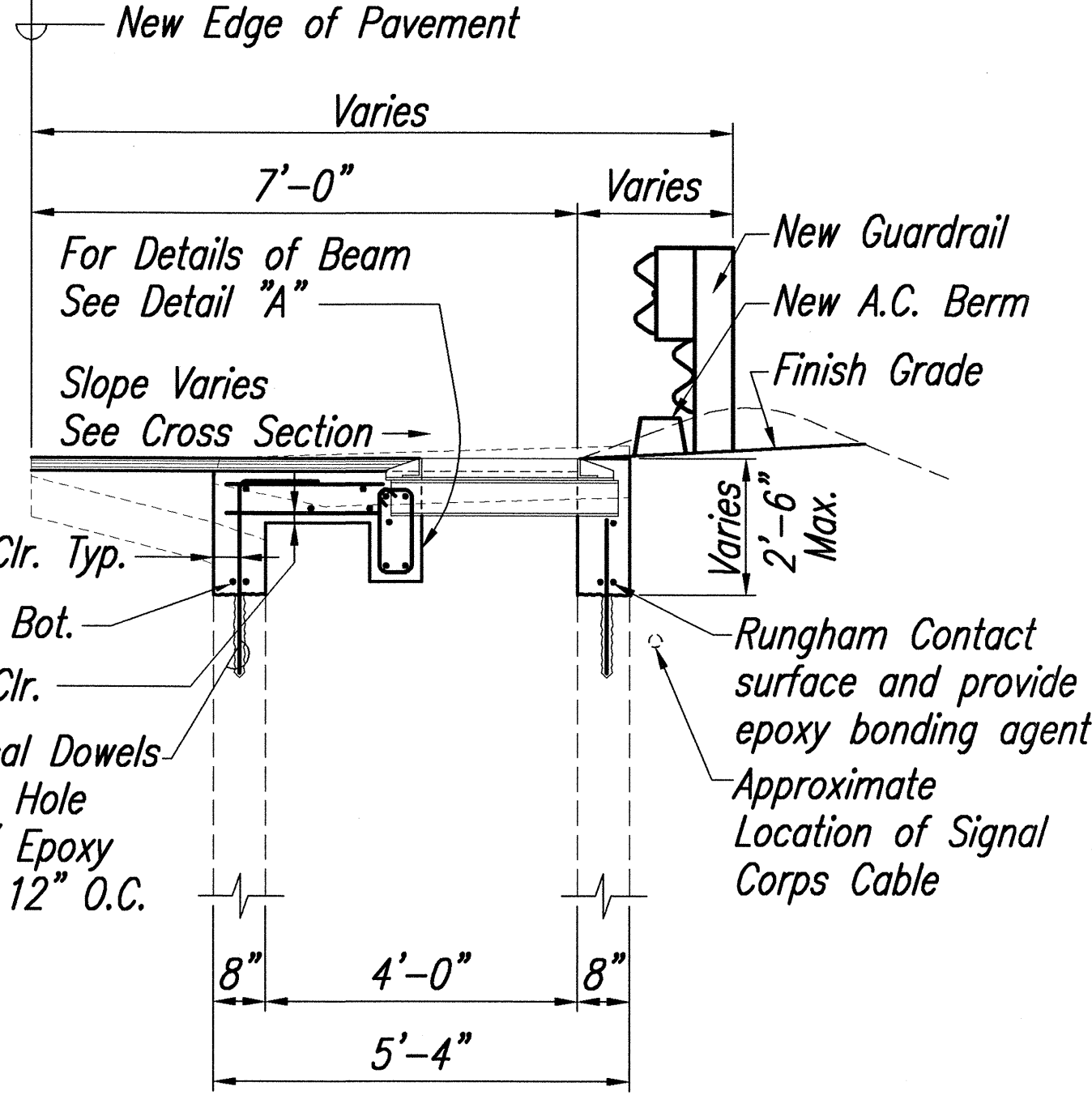


DEMOLITION OF EXISTING

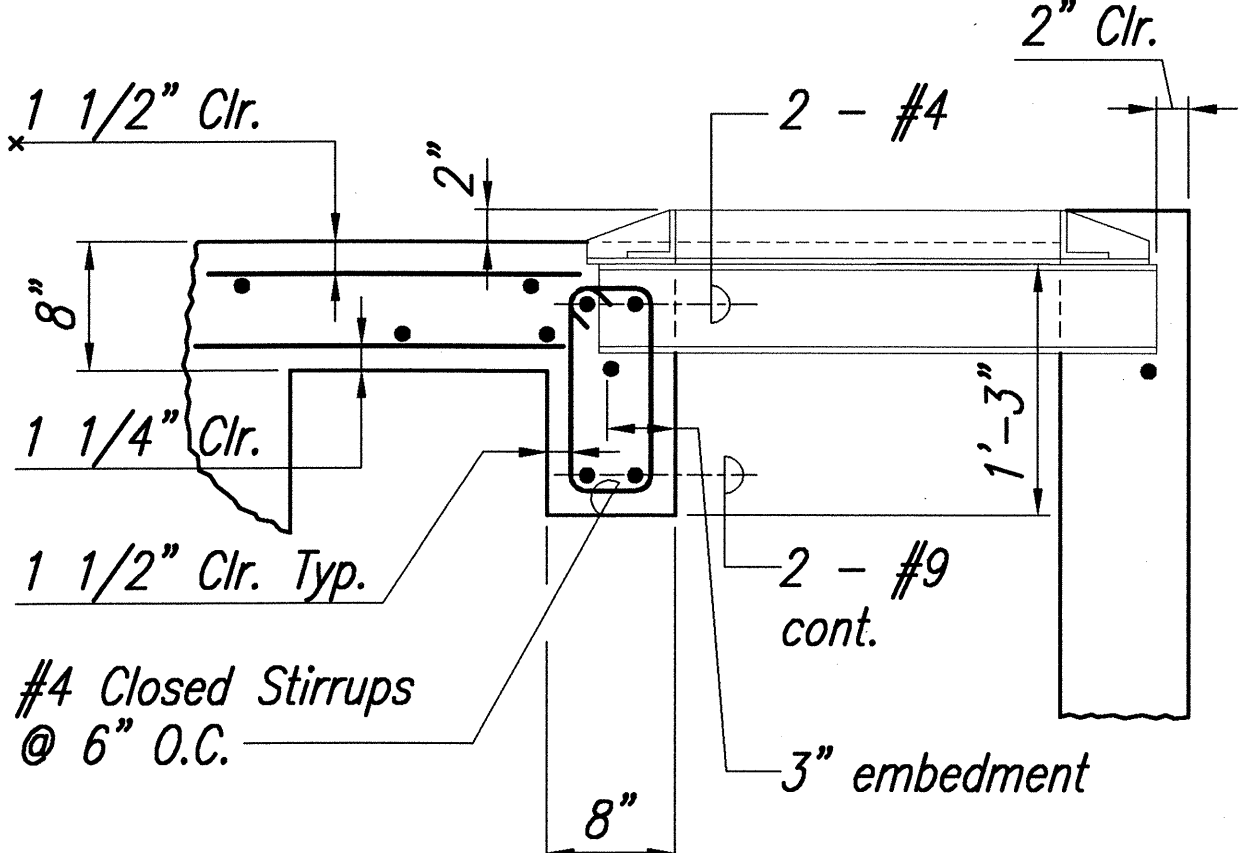


NEW

SECTION "B-B"

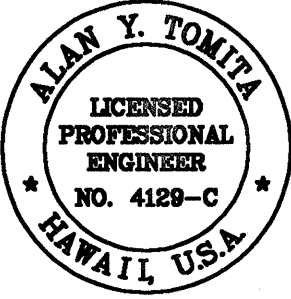


SECTION "A-A"



DETAIL "A"
Scale: 1"=1'-0"

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



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Alan Y. Tomita

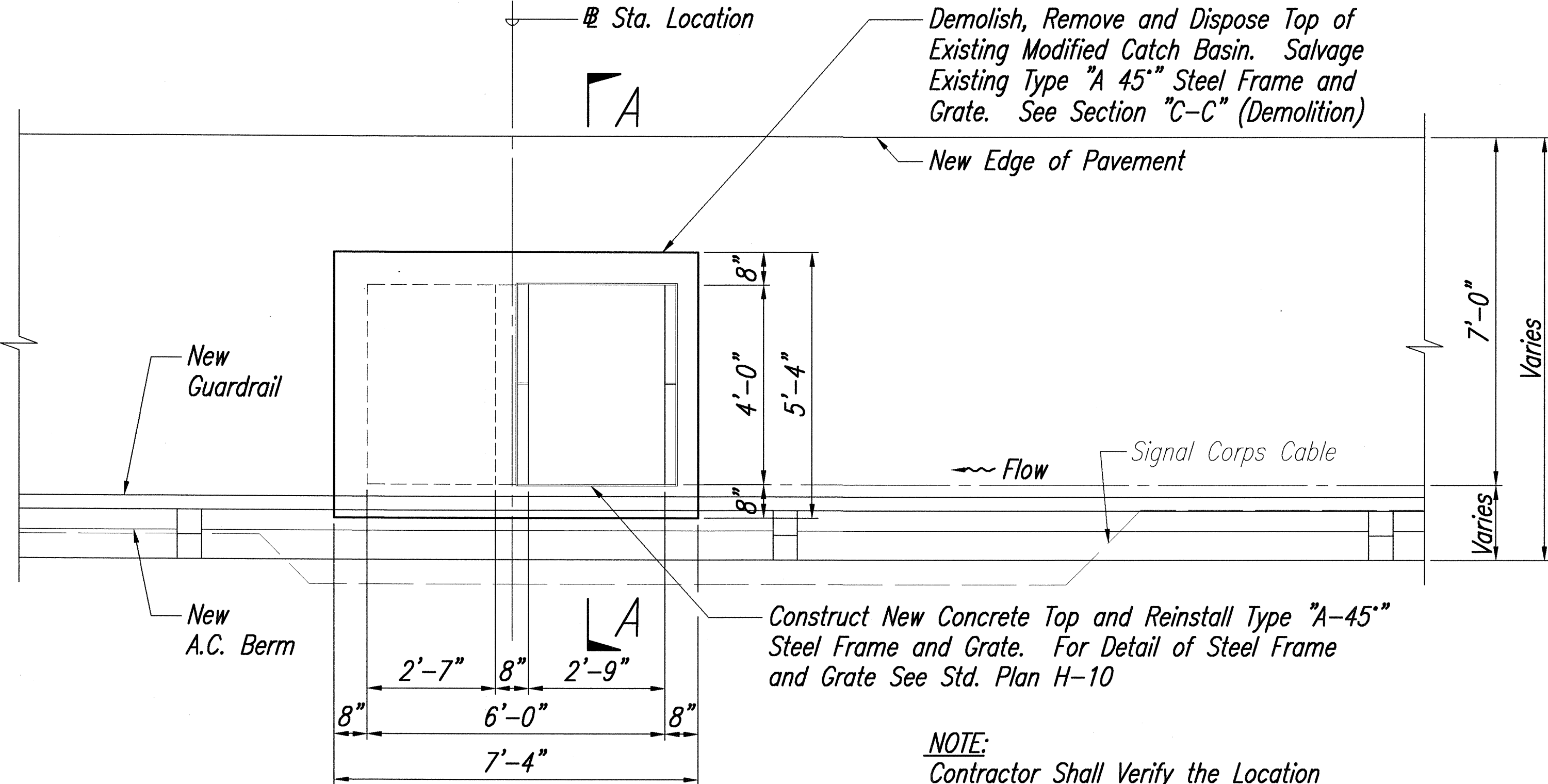
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

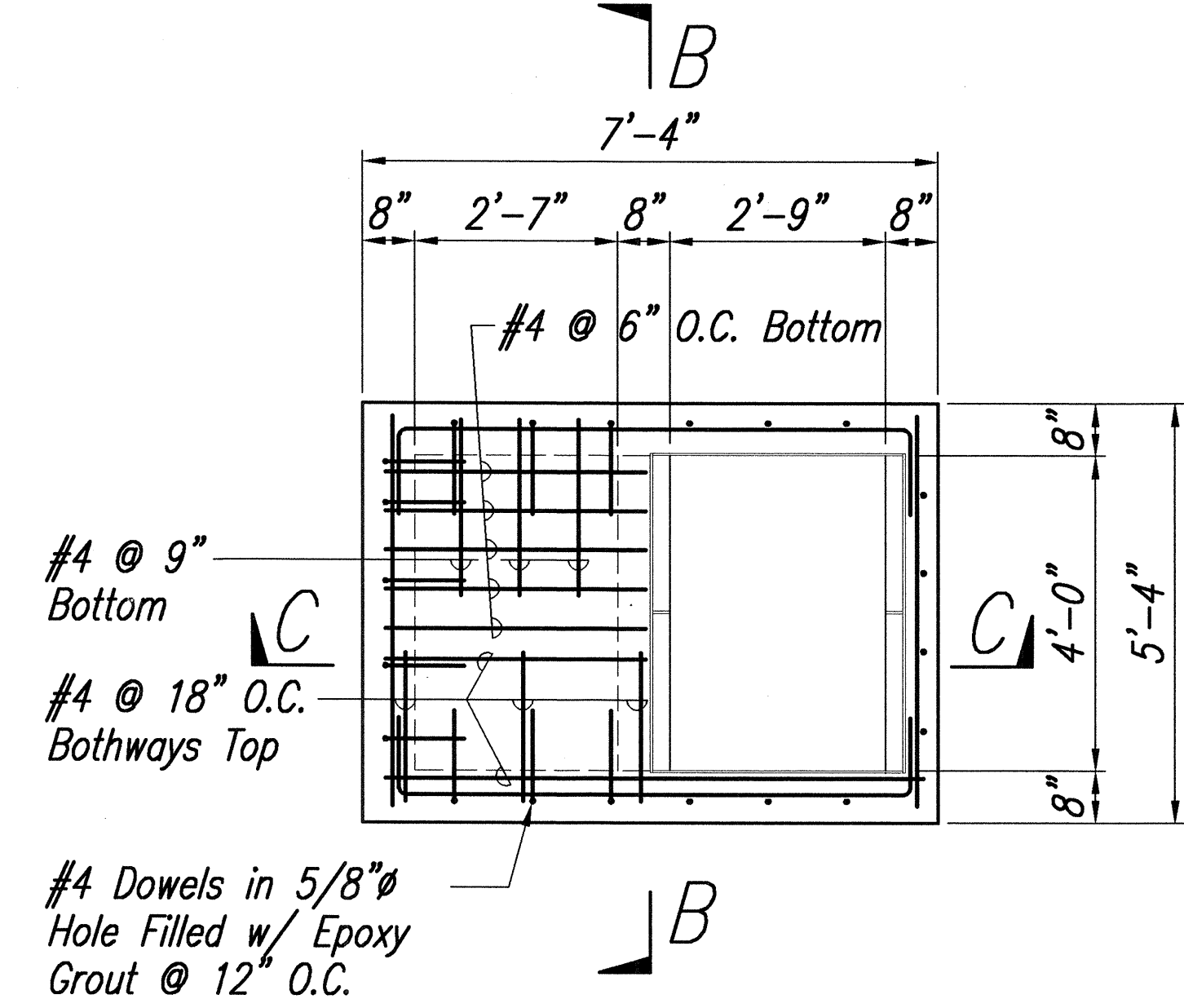
LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001
SHEET No. 3 OF 5 SHEETS

RECONSTRUCTION OF EXISTING MODIFIED CATCH BASIN
AT STA. 104+50± RT., 128+95± RT., 142+60± RT.
Not to Scale

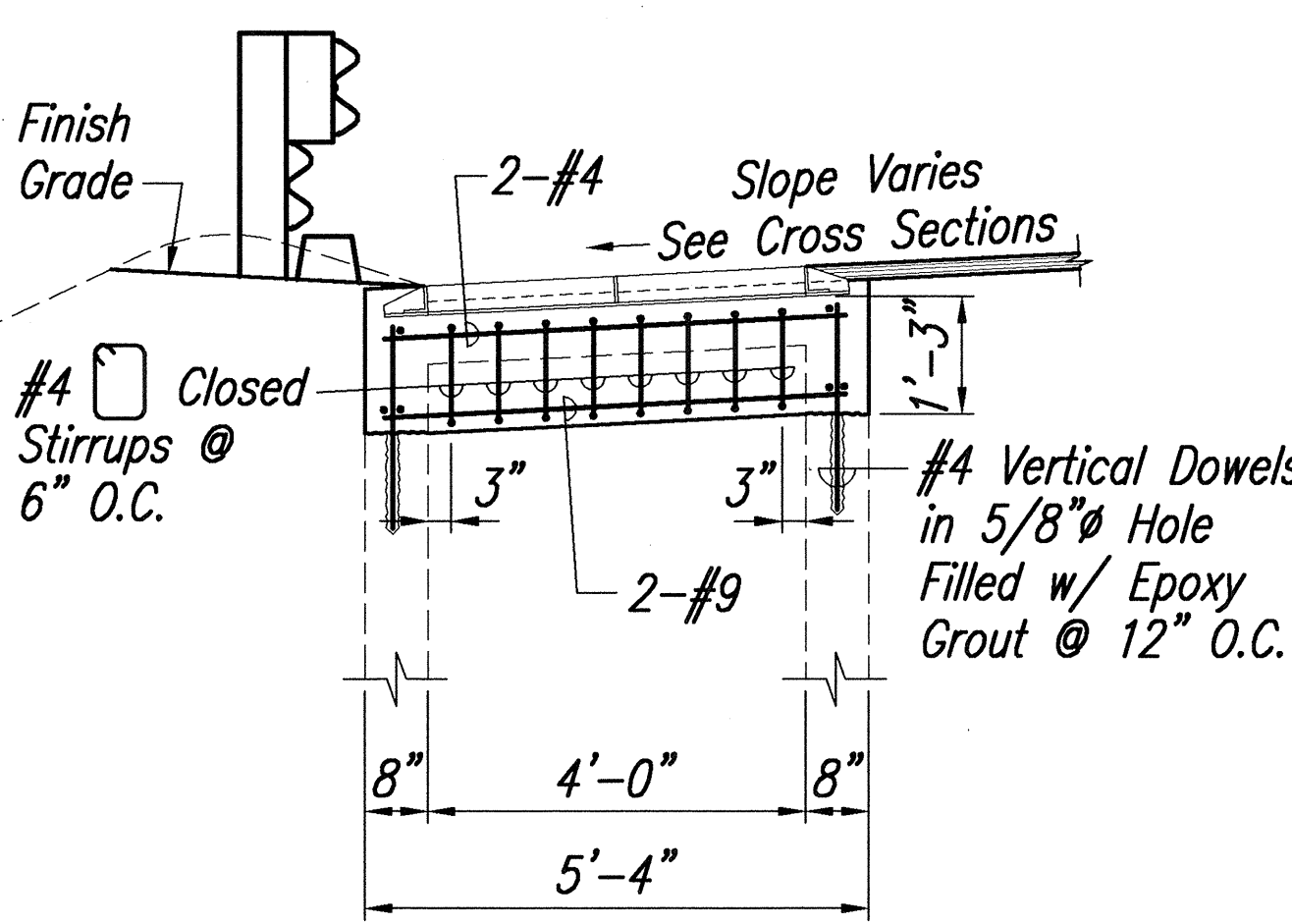
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	84	187



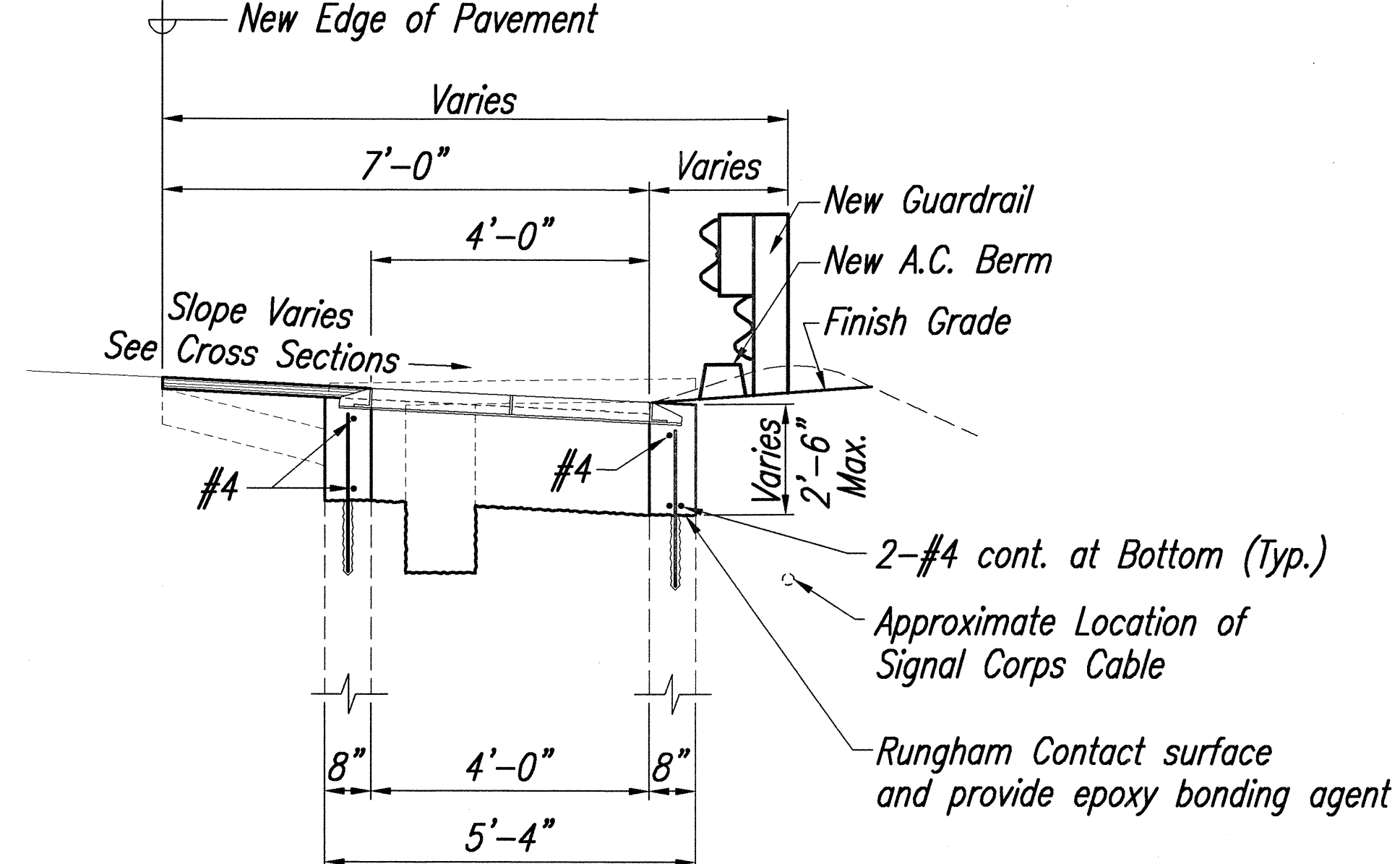
PLAN



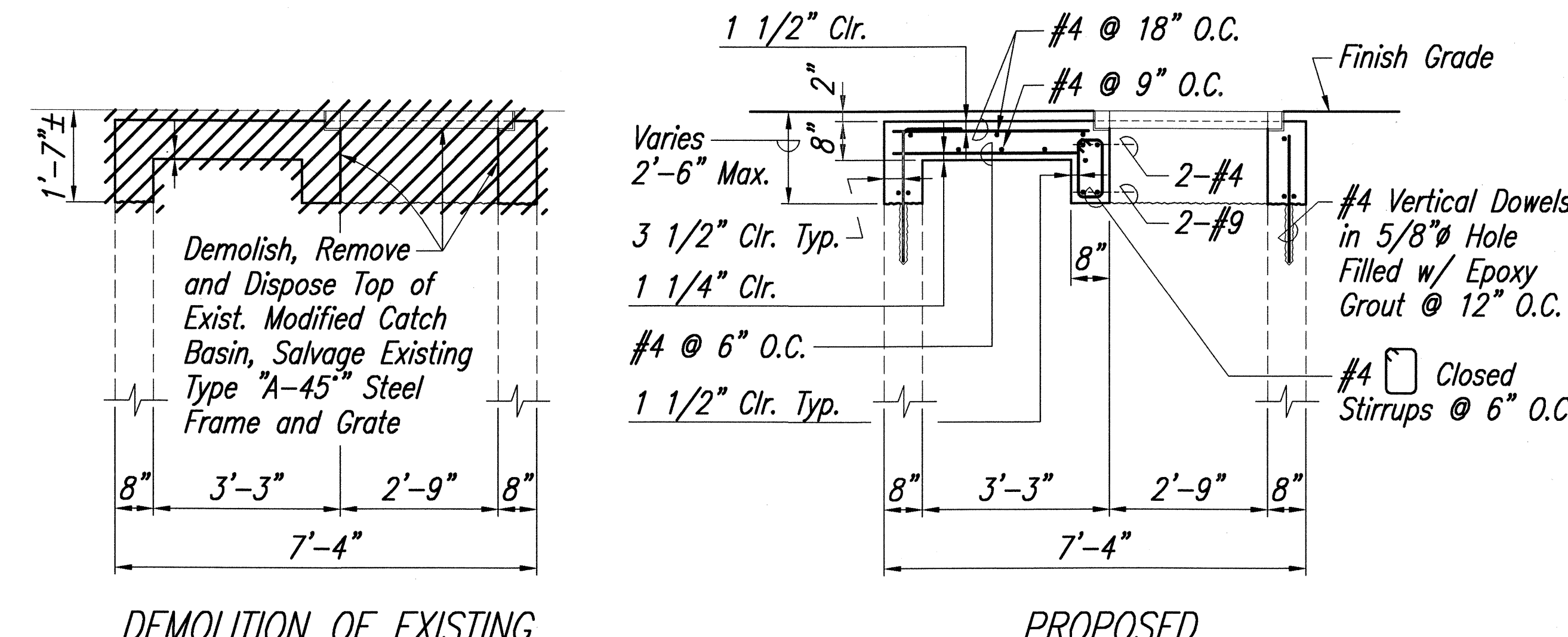
PLAN VIEW OF REINFORCING STEEL



SECTION "B-B"

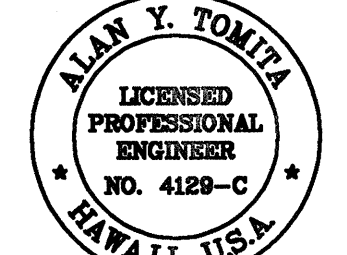


SECTION "A-A"



SECTION "C-C"

RECONSTRUCTION OF EXISTING MODIFIED CATCH BASIN
AT STA. 111+30± RT., 118+80± RT., 123+10± RT.
Not to Scale



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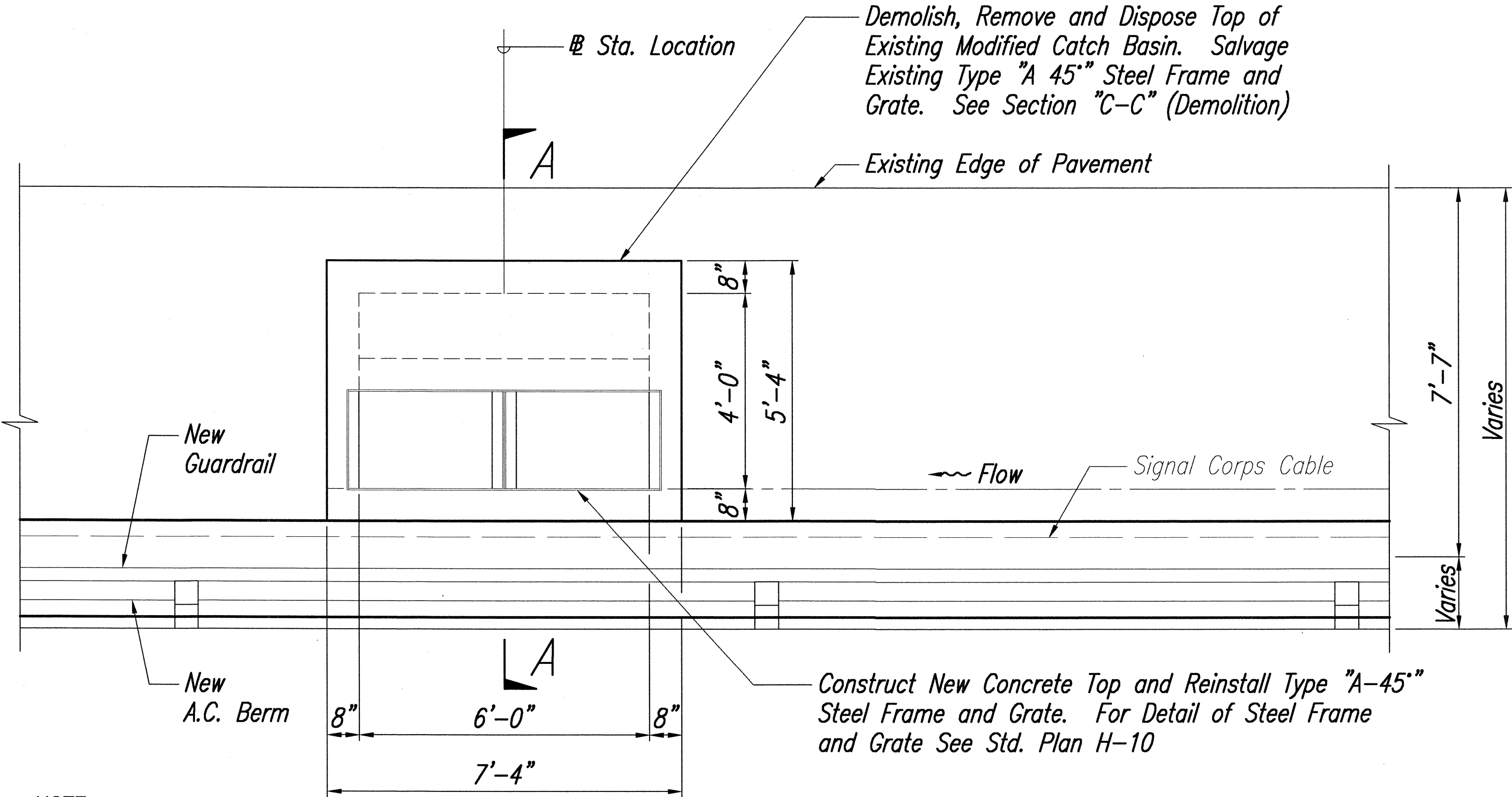
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)
Scale: As Shown Date: December, 2001
SHEET No. 4 OF 5 SHEETS

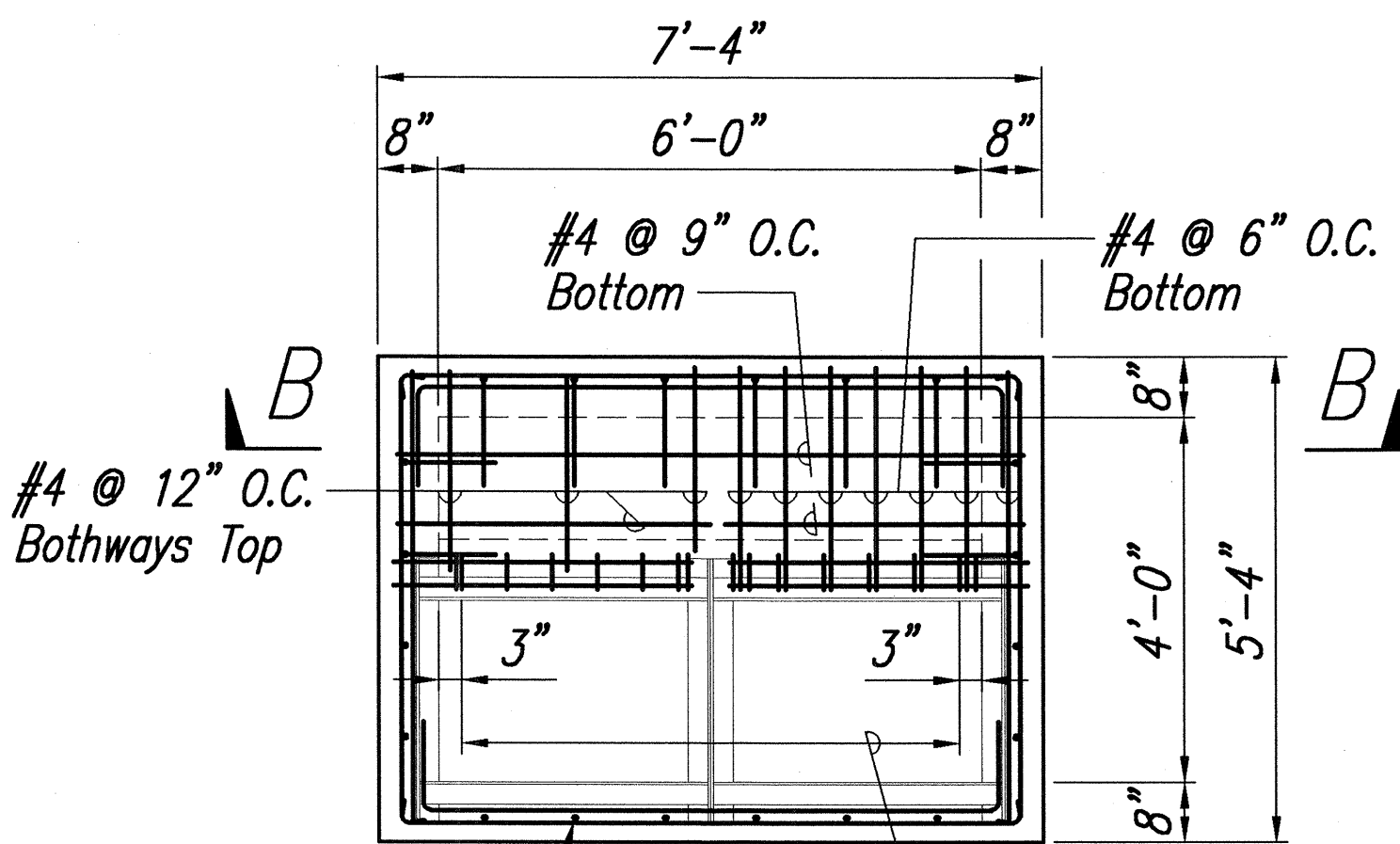
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	
No.		

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	CM-STP-063-1(21)	2002	85	187

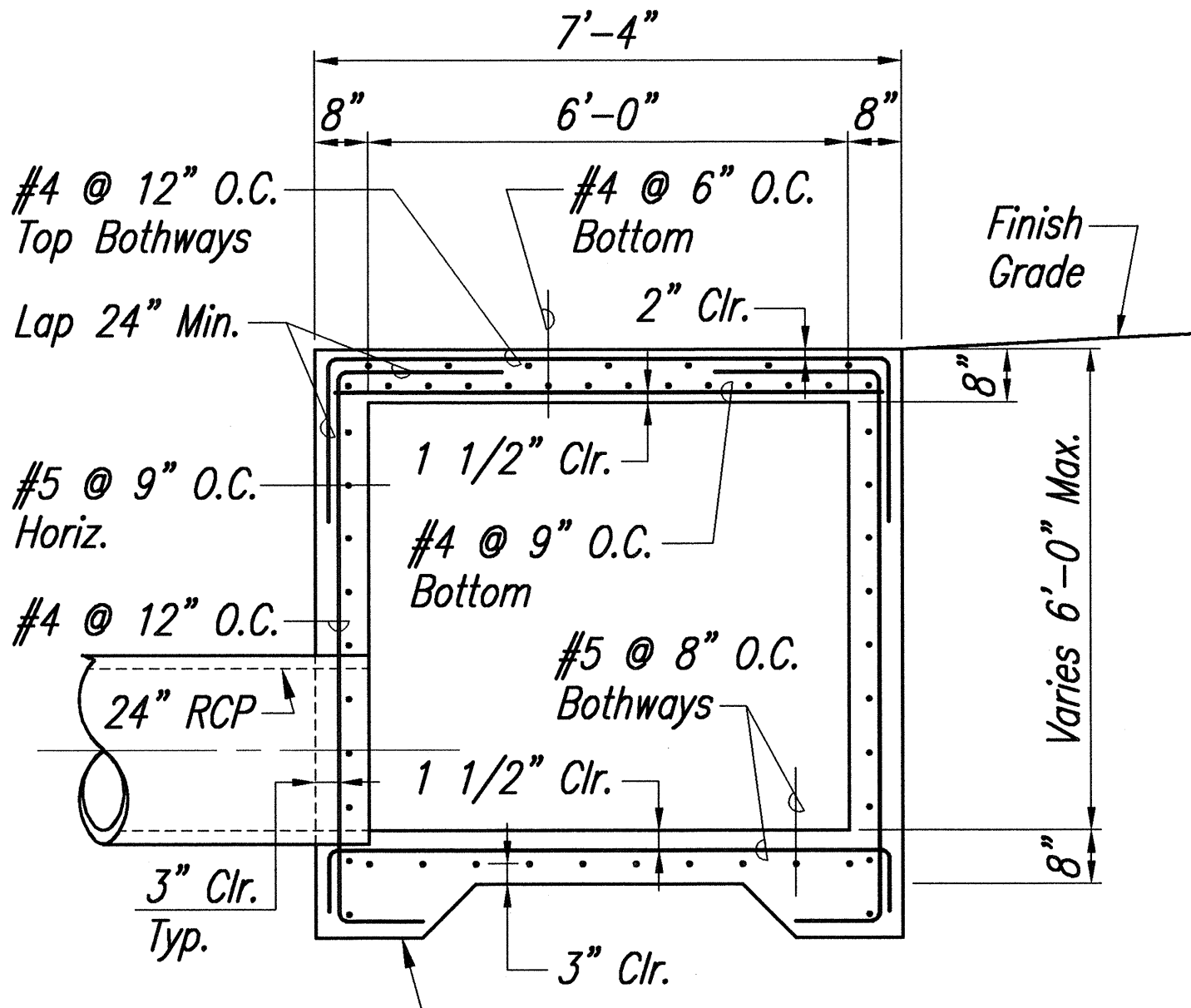


NOTE:
Contractor Shall Verify the Location
of Existing Signal Corps Cable, Prior
to Installation of New Guardrail.

PLAN

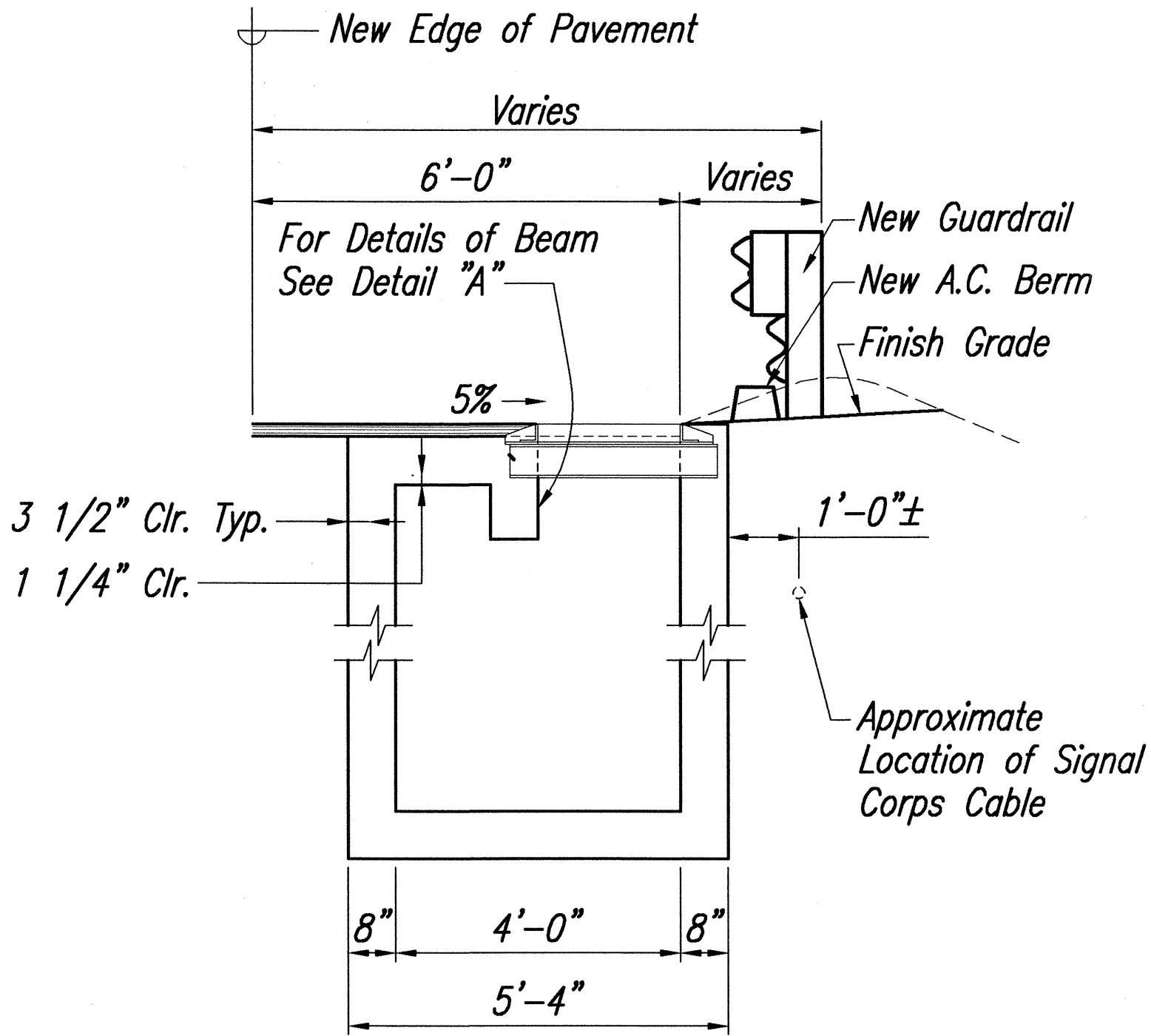


PLAN VIEW OF REINFORCING STEEL

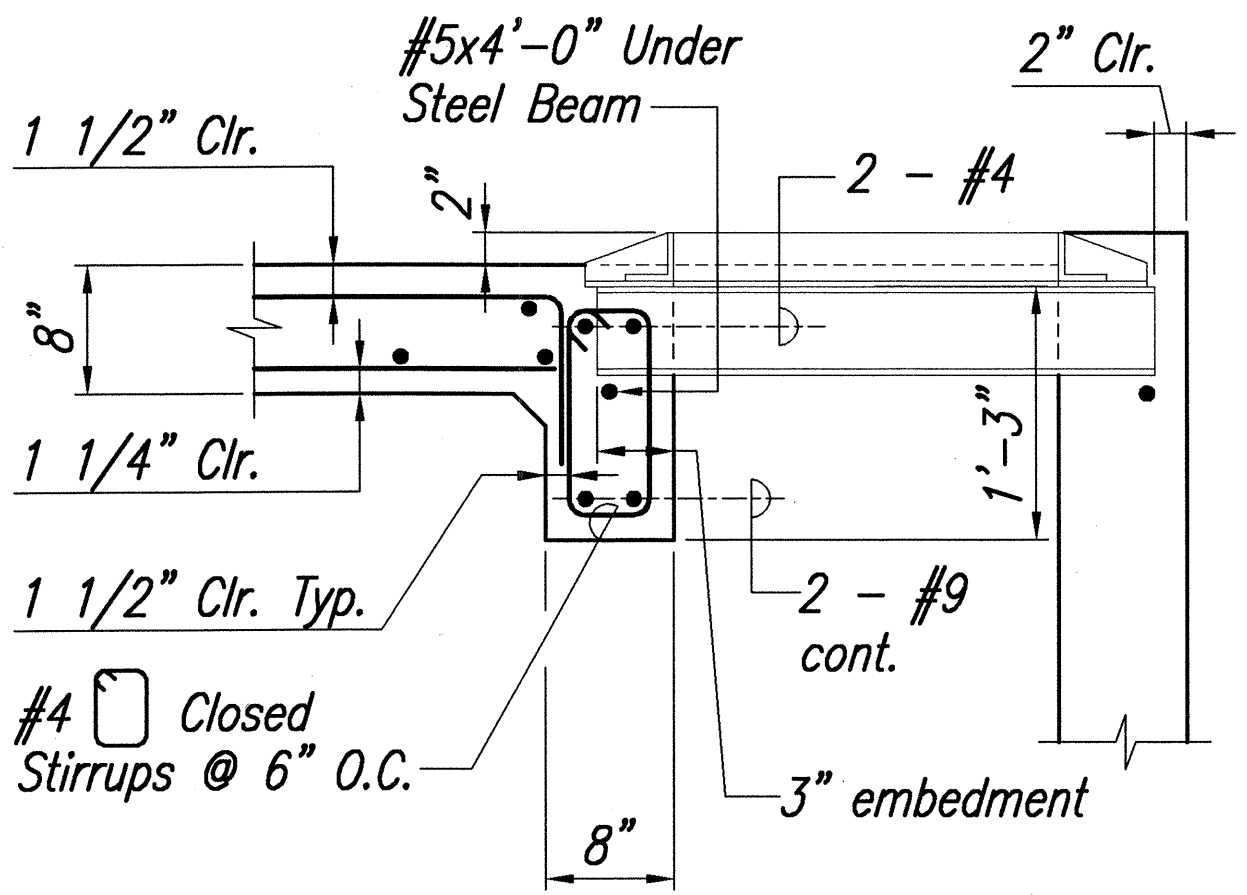


SECTION "B-B"

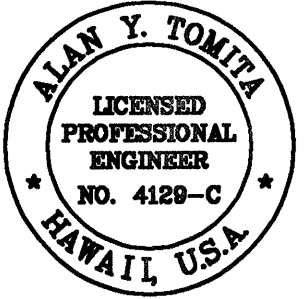
GRATED DROP INLET AT STA. 78+50± RT.
Not to Scale



SECTION "A-A"



DETAIL "A"
Scale: 1"=1'-0"



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

LIKELIKE HIGHWAY RESURFACING
Emmeline Place to the Wilson Tunnel
F. A. Project No. CM-STP-063-1(21)

Scale: As Shown Date: December, 2001

SHEET No. 5 OF 5 SHEETS

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