

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



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

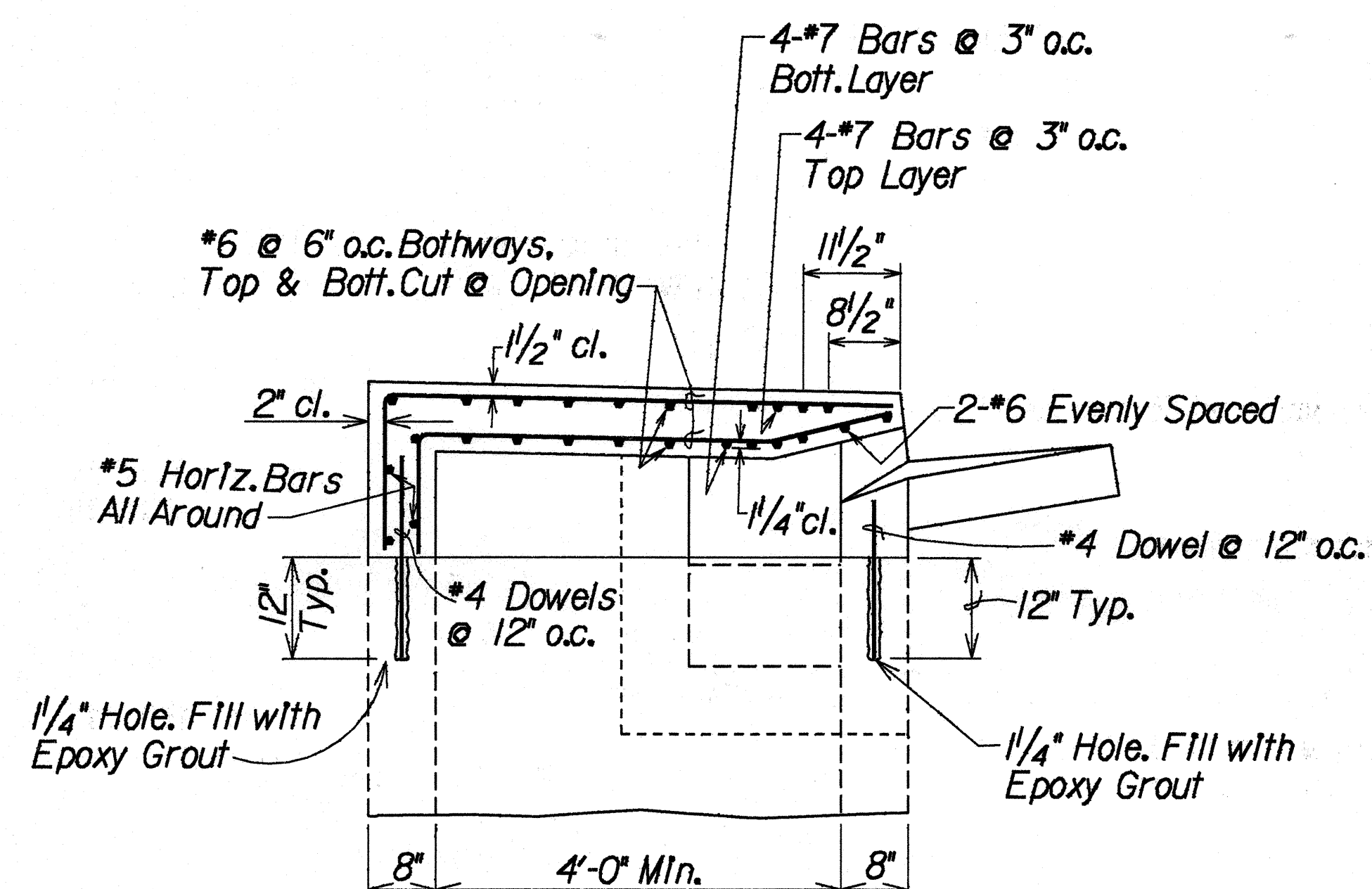
DRAINAGE DETAILS

LIKELIKE HWY. RESURFACING
Burmester Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

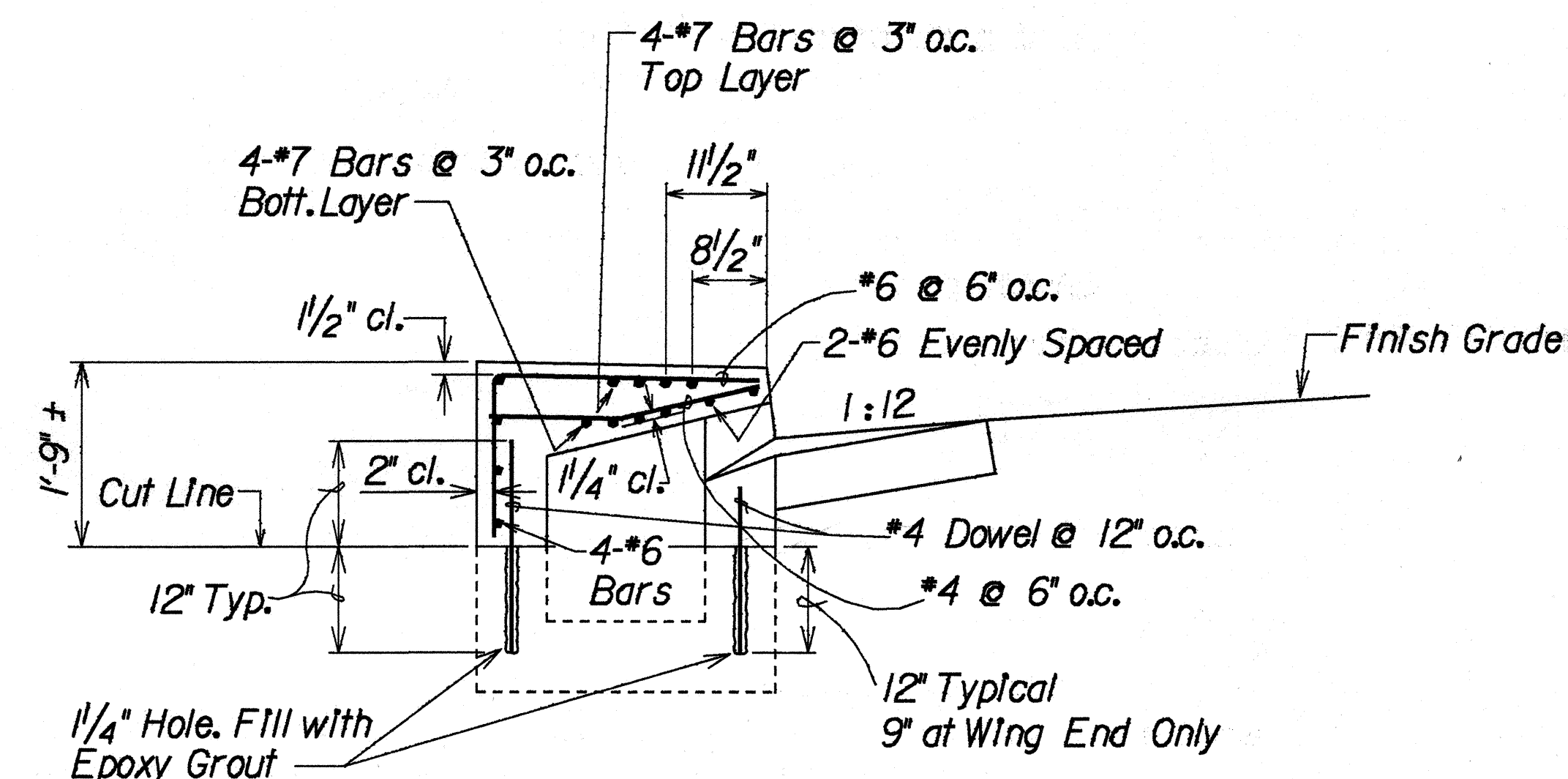
Scale: $\frac{3}{4}" = 1' - 0"$ Date: Feb., 1989

SHEET No. 11 OF 6 SHEETS

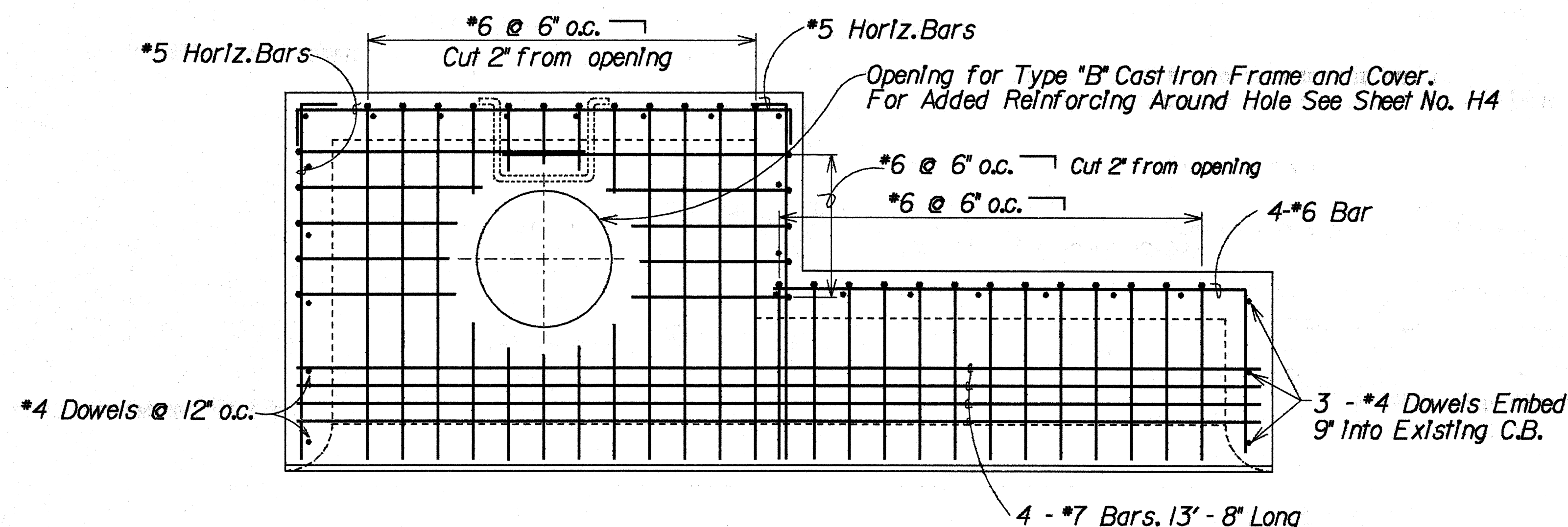
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	25	46



SECTION B
HI H2



SECTION C
HI H2



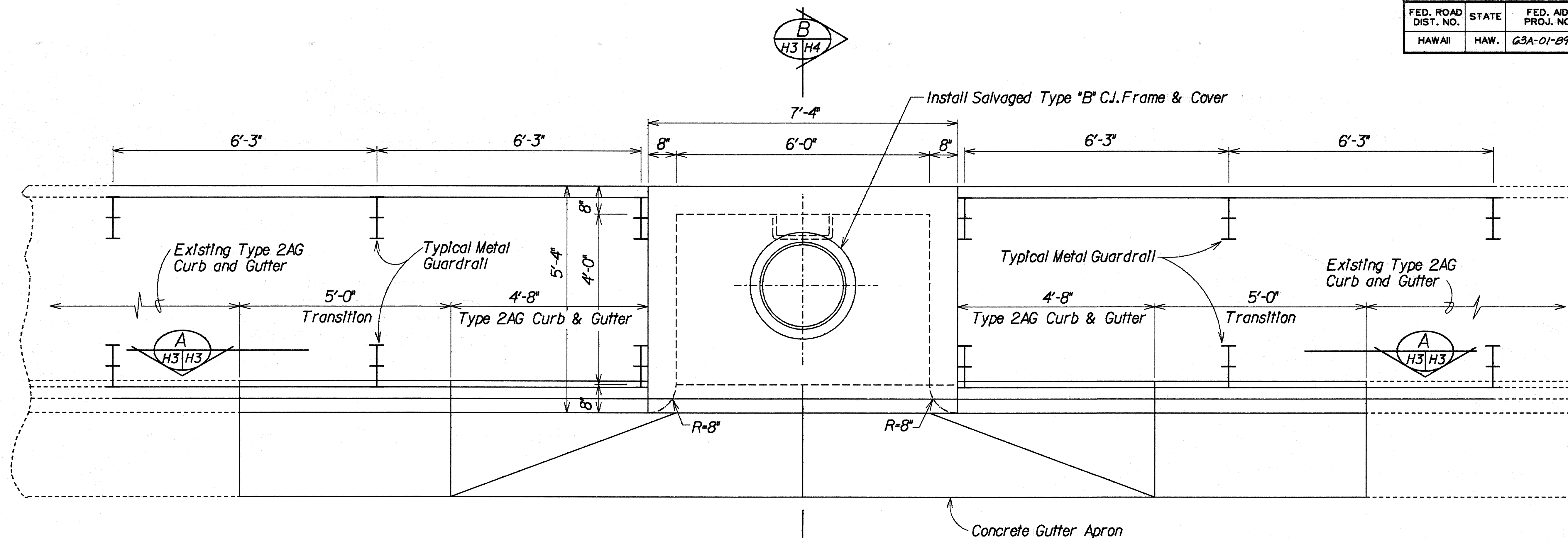
PLAN VIEW OF REINFORCING STEEL

DETAILS OF MODIFIED TYPE "C" CATCH BASIN

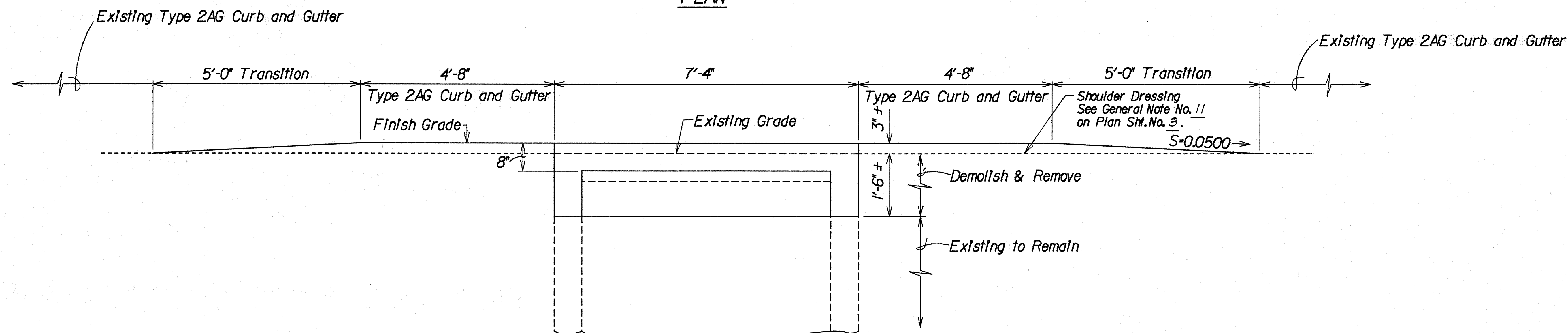
Scale: 3/4" = 1'-0"

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
DRAINAGE DETAILS	
LIKELIKE HWY. RESURFACING Burmester Overpass to Kamehameha Hwy. PROJECT NO. 63A-01-89M	
Scale: 3/4" = 1'-0"	Date: Feb., 1989
SHEET No. H2 OF 6 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	26	46



PLAN



SECTION A
H3/H3

DETAILS OF MODIFIED TYPE "D" CATCH BASIN

Scale: 3/4"=1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

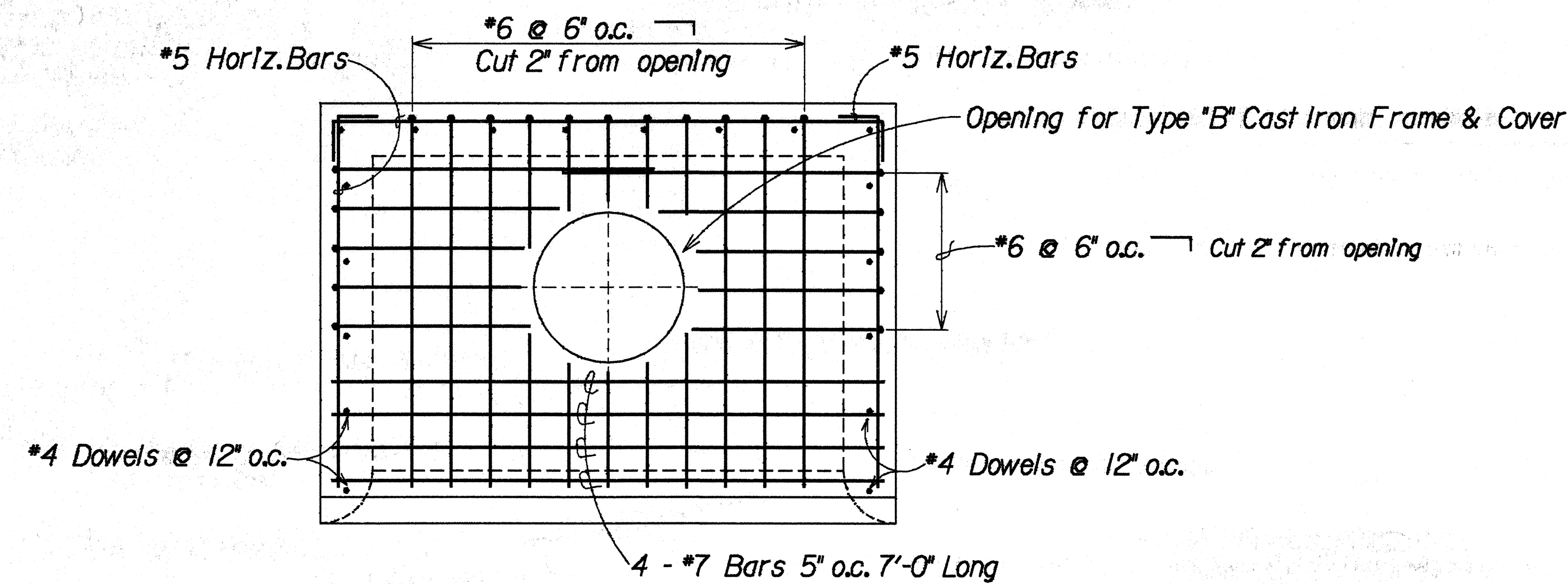
LIKELIKE HWY. RESURFACING
Burmester Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: 3/4"=1'-0" Date: Feb., 1989

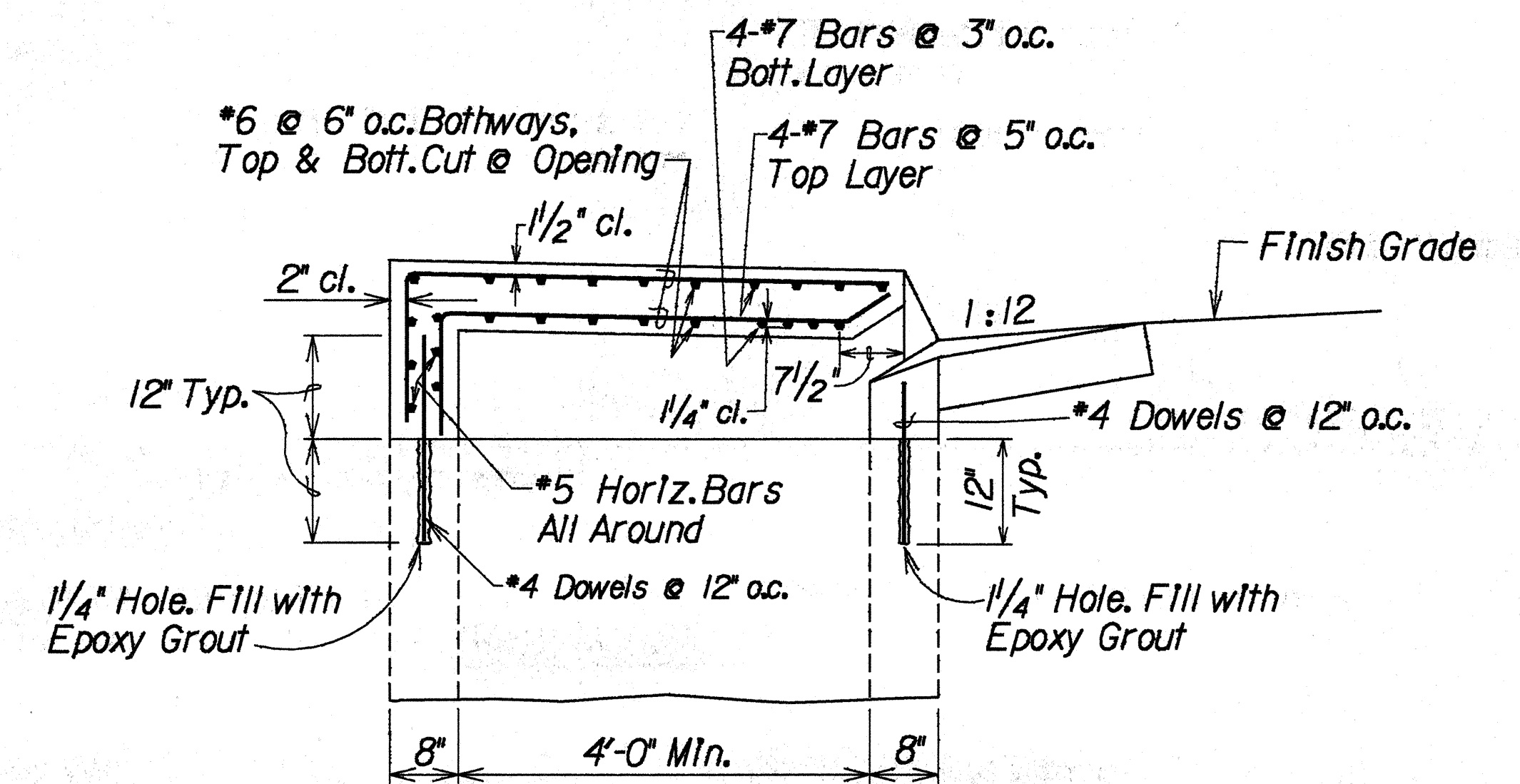
SHEET No. H3 OF 6 SHEETS

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

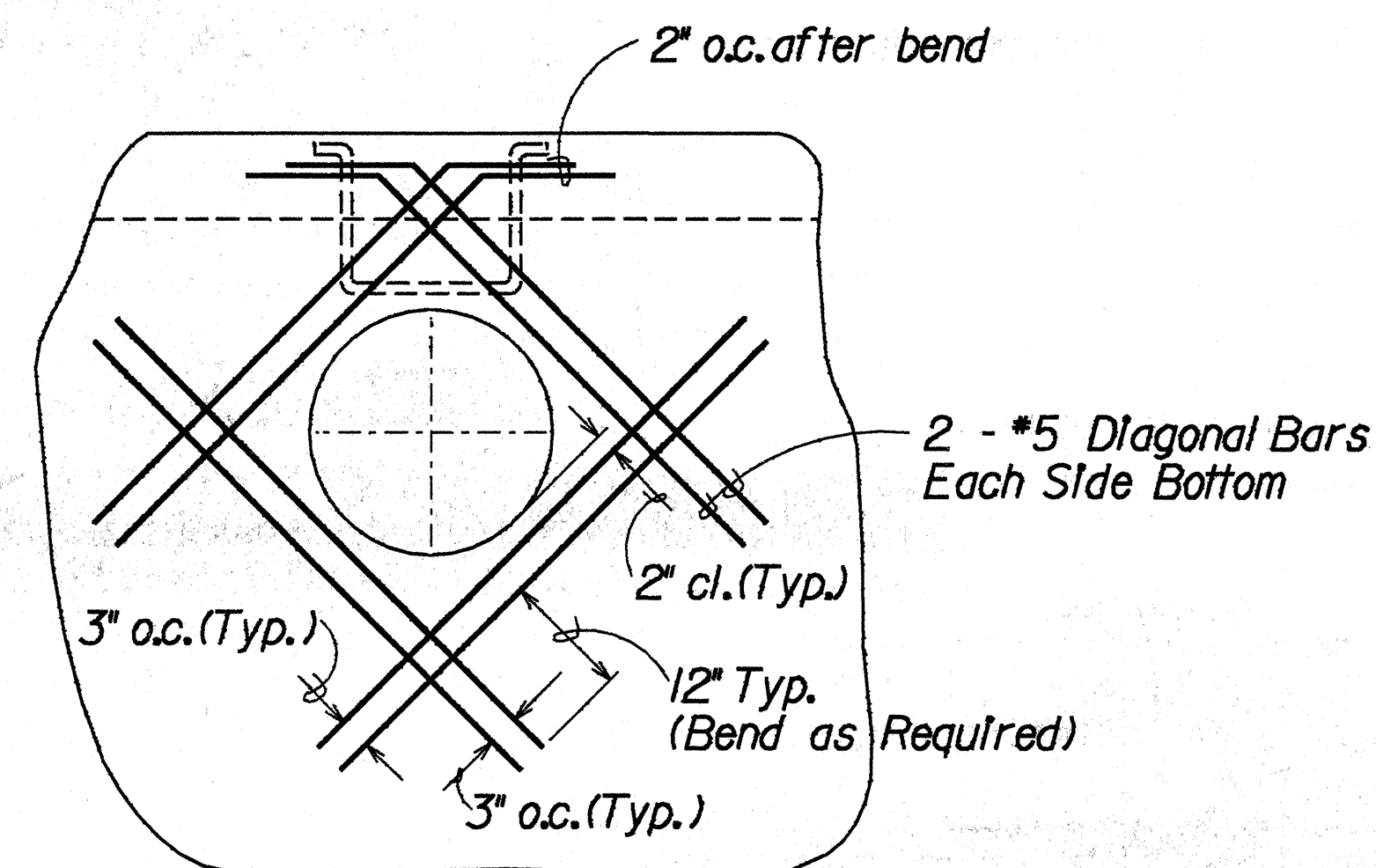
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	27	46



PLAN VIEW OF REINFORCING STEEL



SECTION B
H3 H4



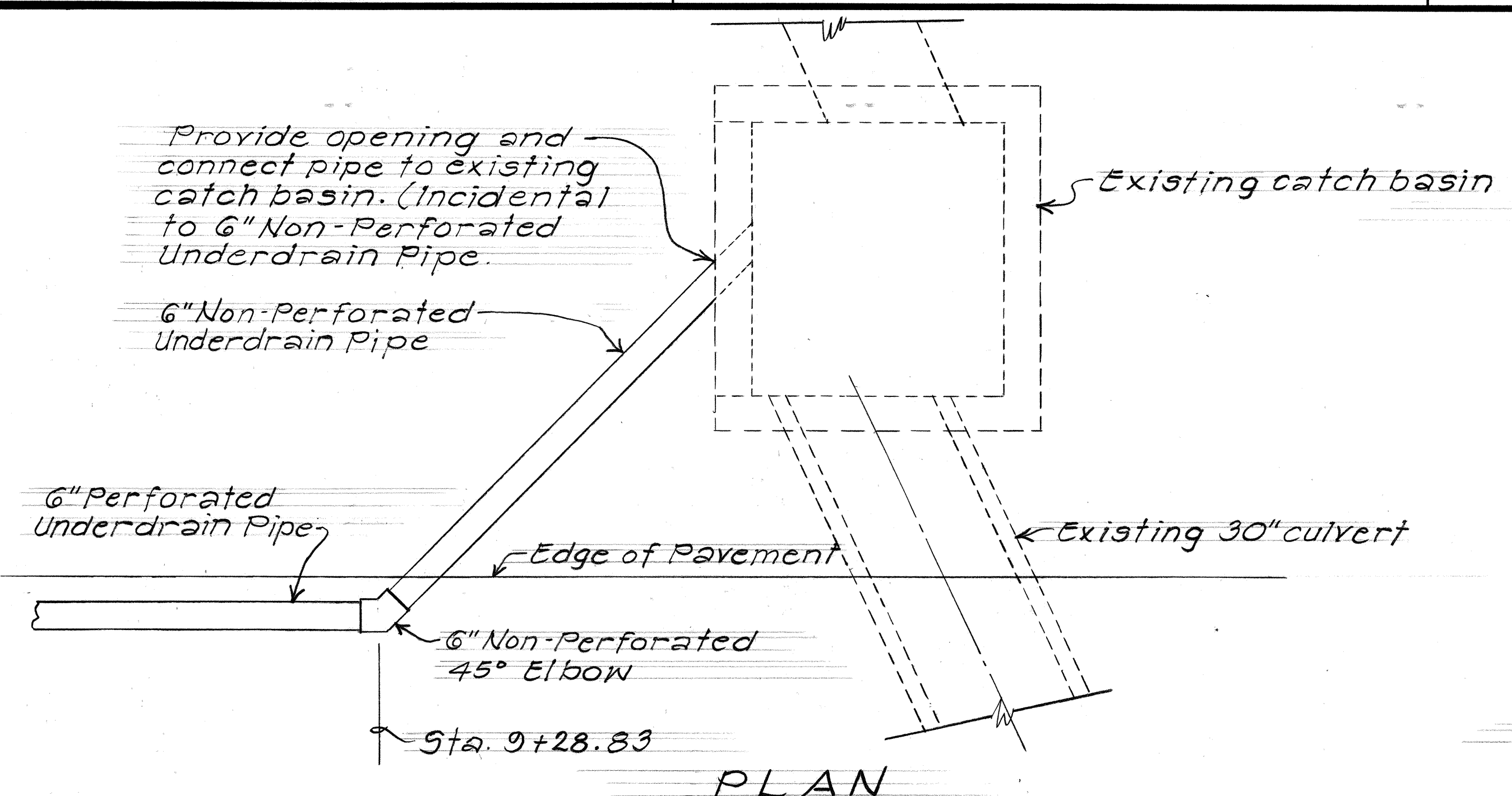
ADDED REINFORCING FOR MANHOLE OPENING

DETAILS OF MODIFIED TYPE "D" CATCH BASIN

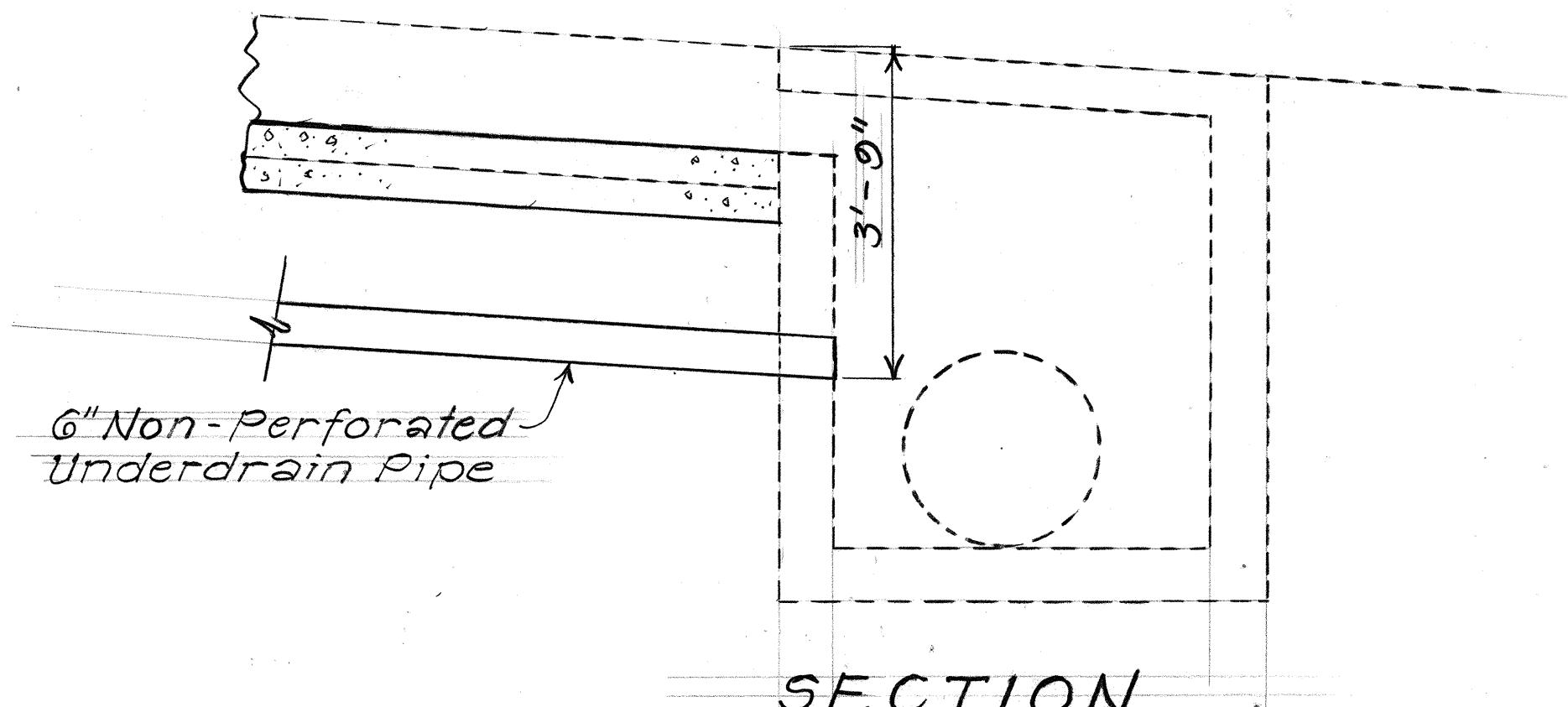
Scale: $\frac{3}{4}$ "=1'-0"

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<u>DRAINAGE DETAILS</u>	
<u>LIKELIKE HWY. RESURFACING</u>	
<u>Burmester Overpass to Kamehameha Hwy.</u>	
<u>PROJECT NO. 63A-01-89M</u>	
Scale: $\frac{3}{4}$ "=1'-0"	Date: Feb., 1989
SHEET No. H4 OF 6 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1989	28	46



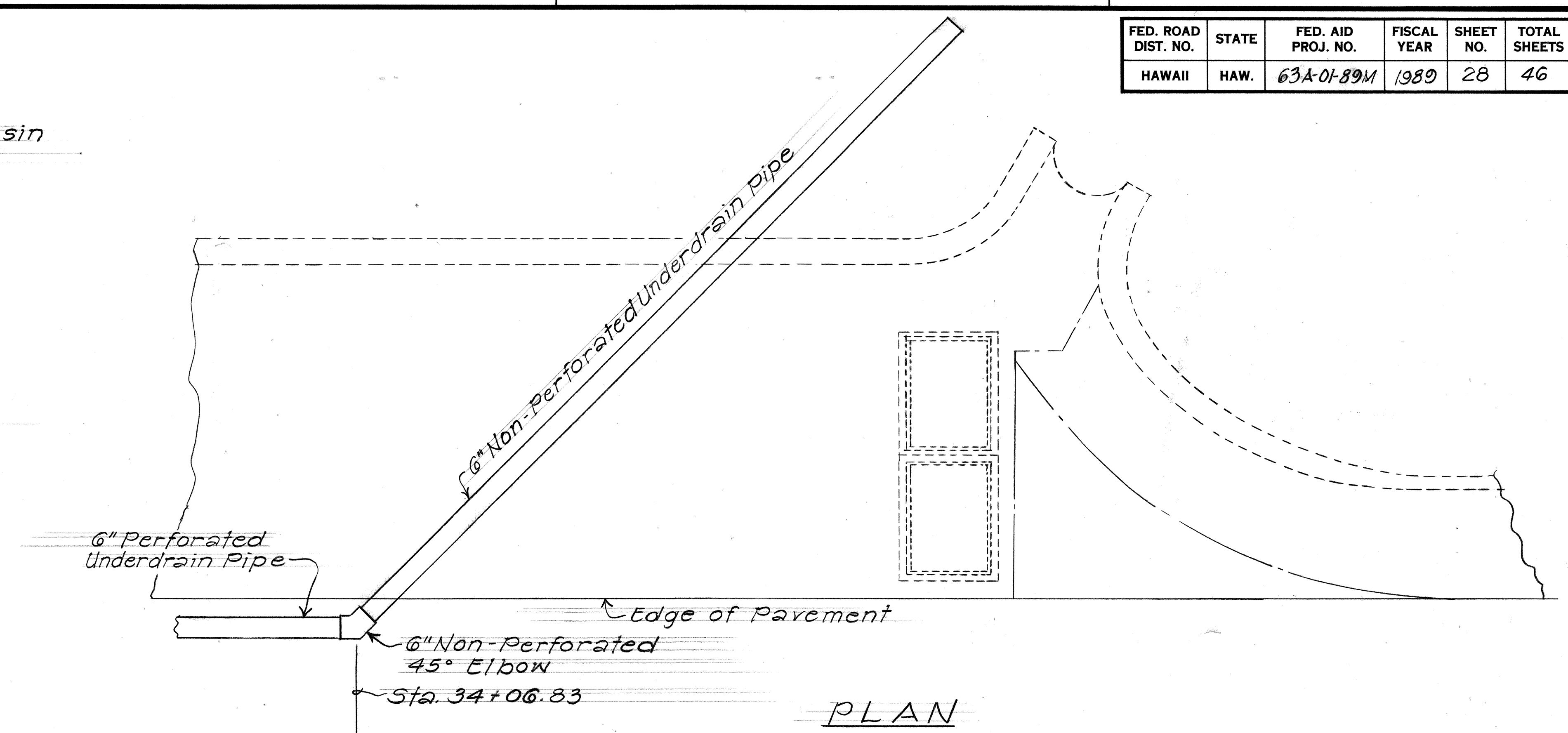
PLAN



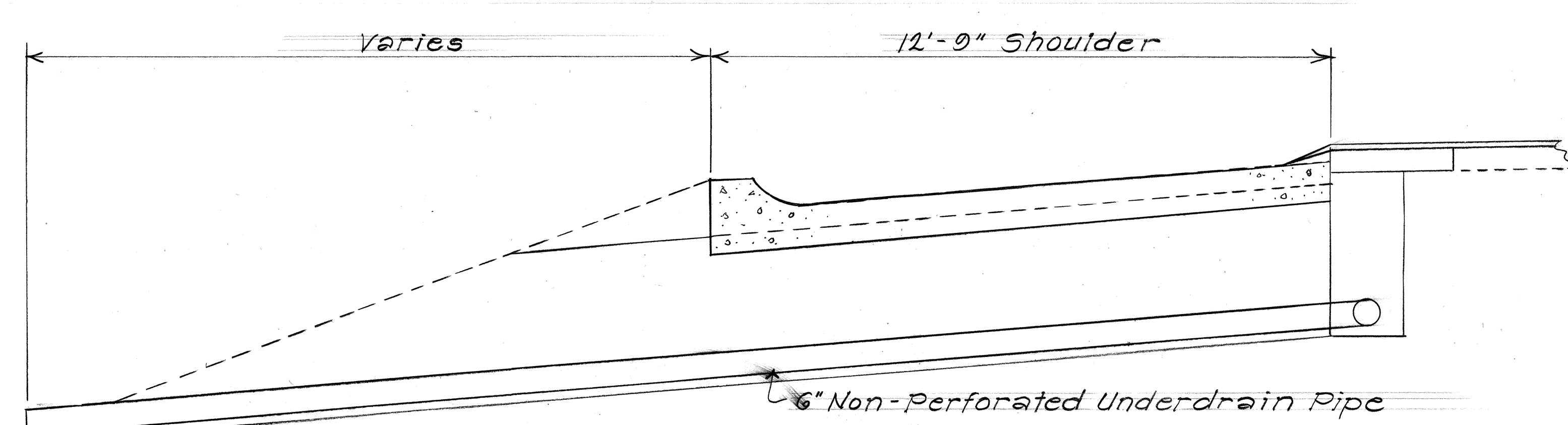
SECTION

UNDERDRAIN OUTLET AT STA. 9+28.83

Scale: 1/2" = 1'-0"



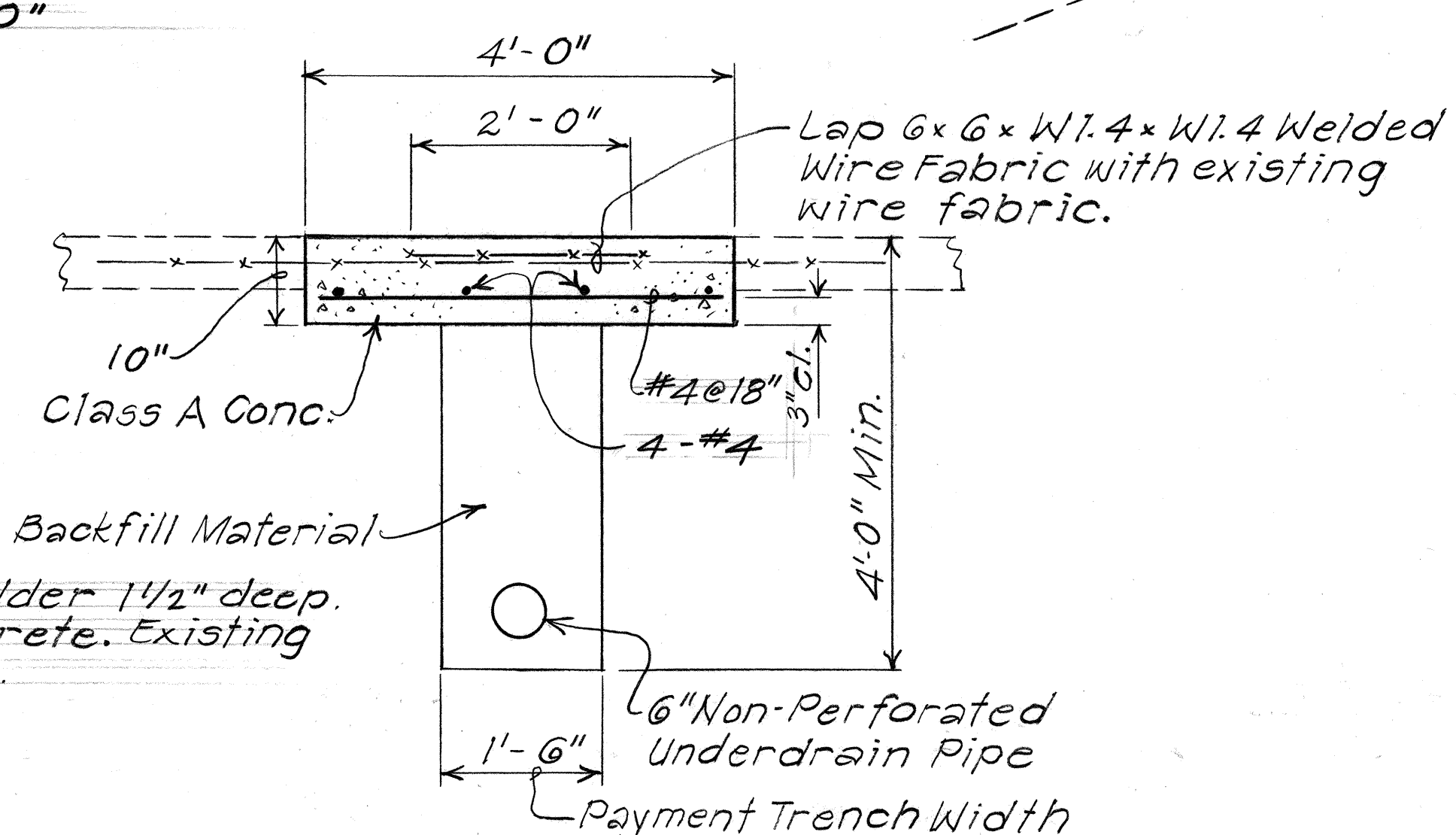
PLAN



SECTION

UNDERDRAIN OUTLET AT STA. 34+06.83

Scale: 1/2" = 1'-0"



TYPICAL SECTION-UNDERDRAIN OUTLET
UNDER CONCRETE SHOULDER

Scale: 3/4" = 1'-0"

NOTE:
Sawcut concrete shoulder 1 1/2" deep.
Remove existing concrete. Existing
wire fabric to remain.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

Scale: As Noted Date: Jan. 1989

SHEET NO. H5 OF 6 SHEETS

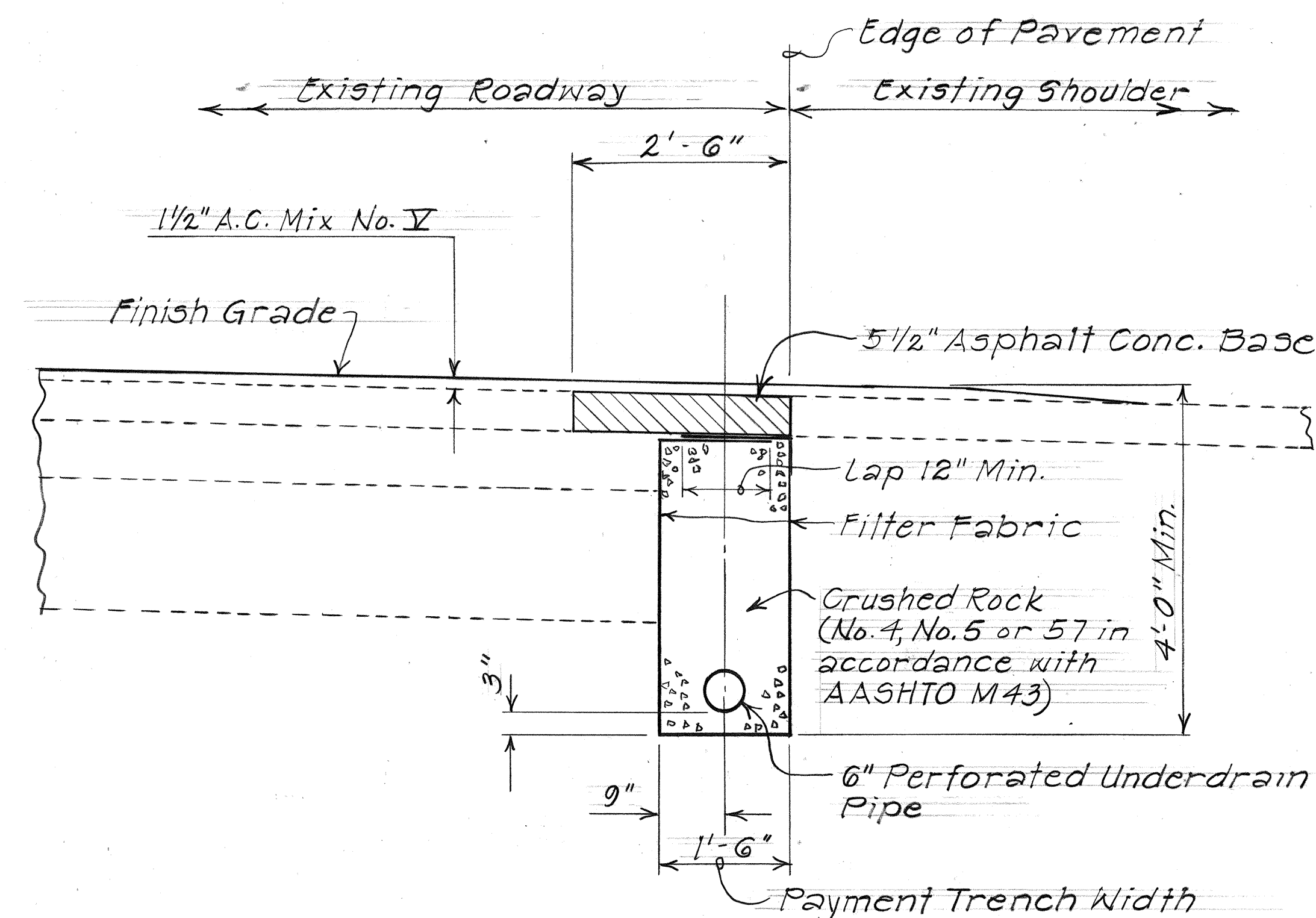
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

LIKELIKE HWY. RESURFACING
Burmeister Overpass to Kamehameha Hwy.
PROJECT NO. 63A-01-89M

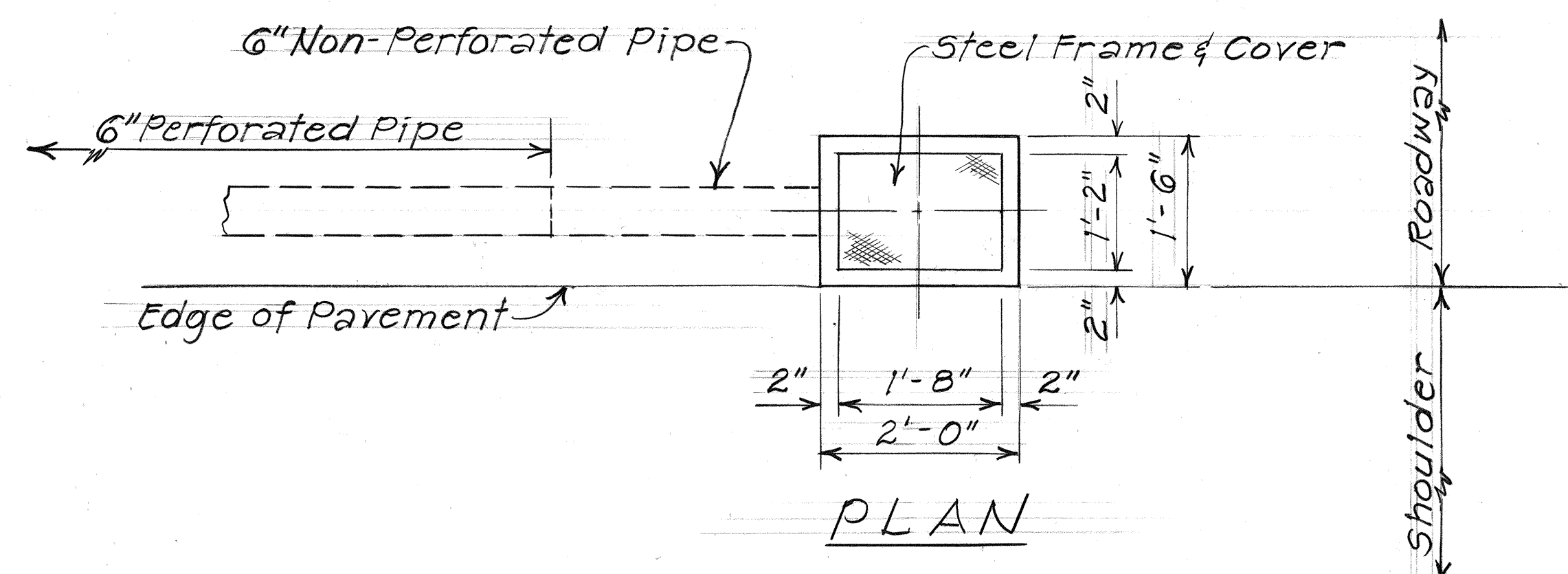
Scale: As Noted Date: Jan. 1989

SHEET No. 46 OF 6 SHEETS

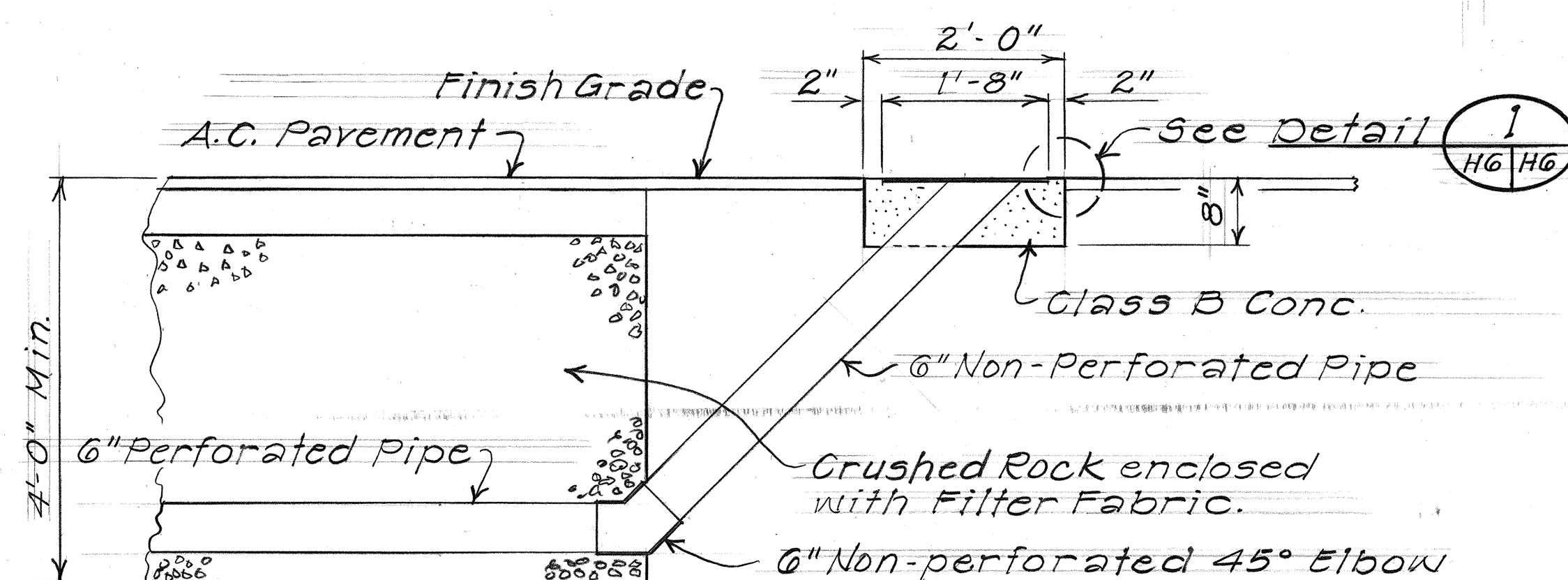


TYPICAL SECTION - FILTER FABRIC UNDERDRAIN

Scale: $\frac{3}{4}" = 1'-0"$



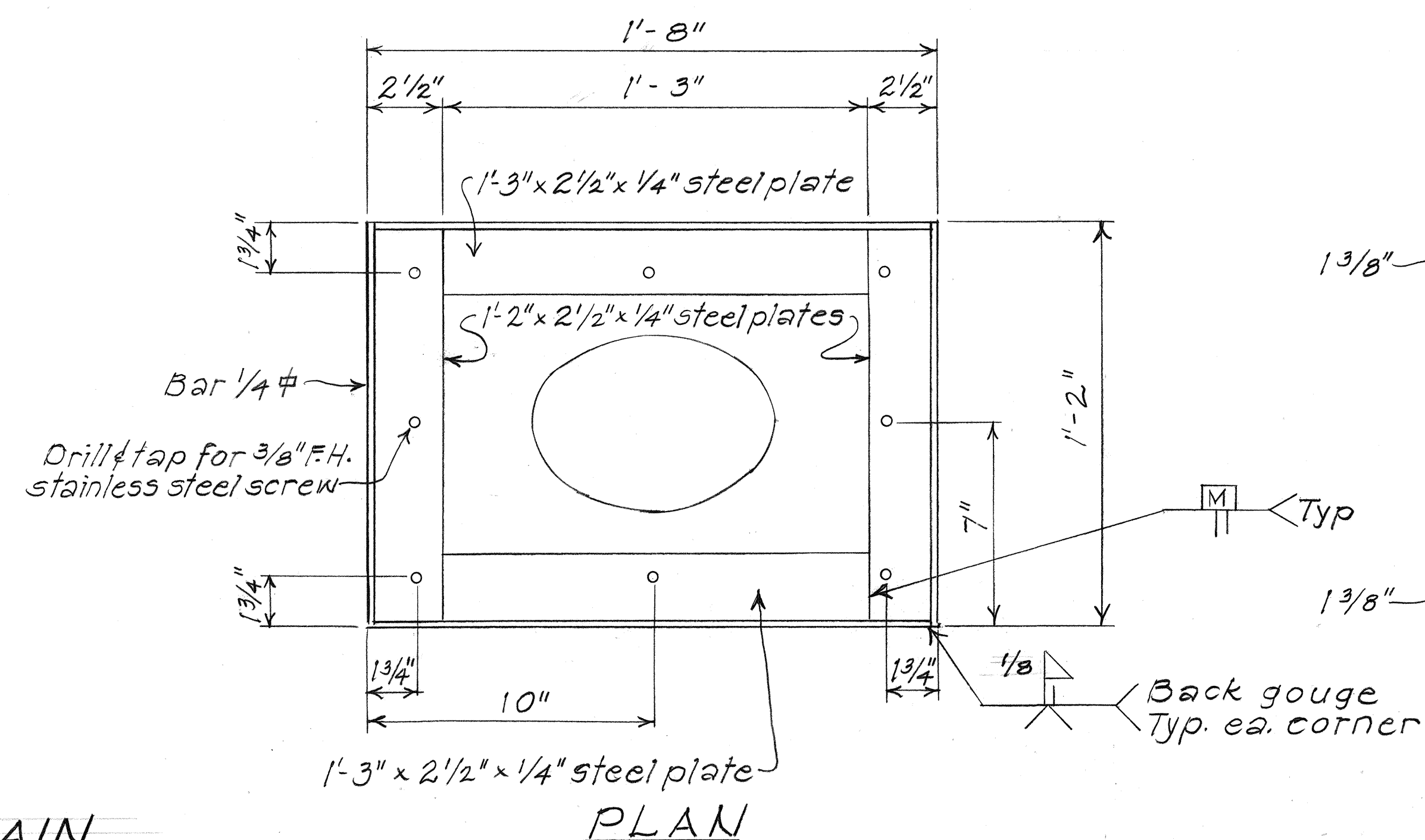
PLAN



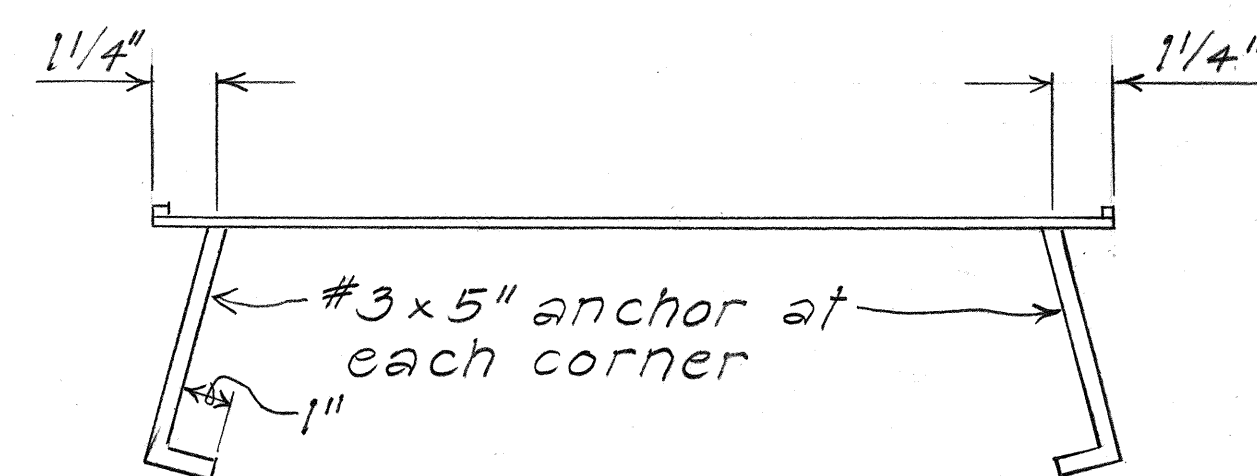
ELEVATION

DETAILS OF CONCRETE BLOCK CLEANOUT FOR FILTER FABRIC UNDERDRAIN

Scale: $\frac{3}{4}" = 1'-0"$



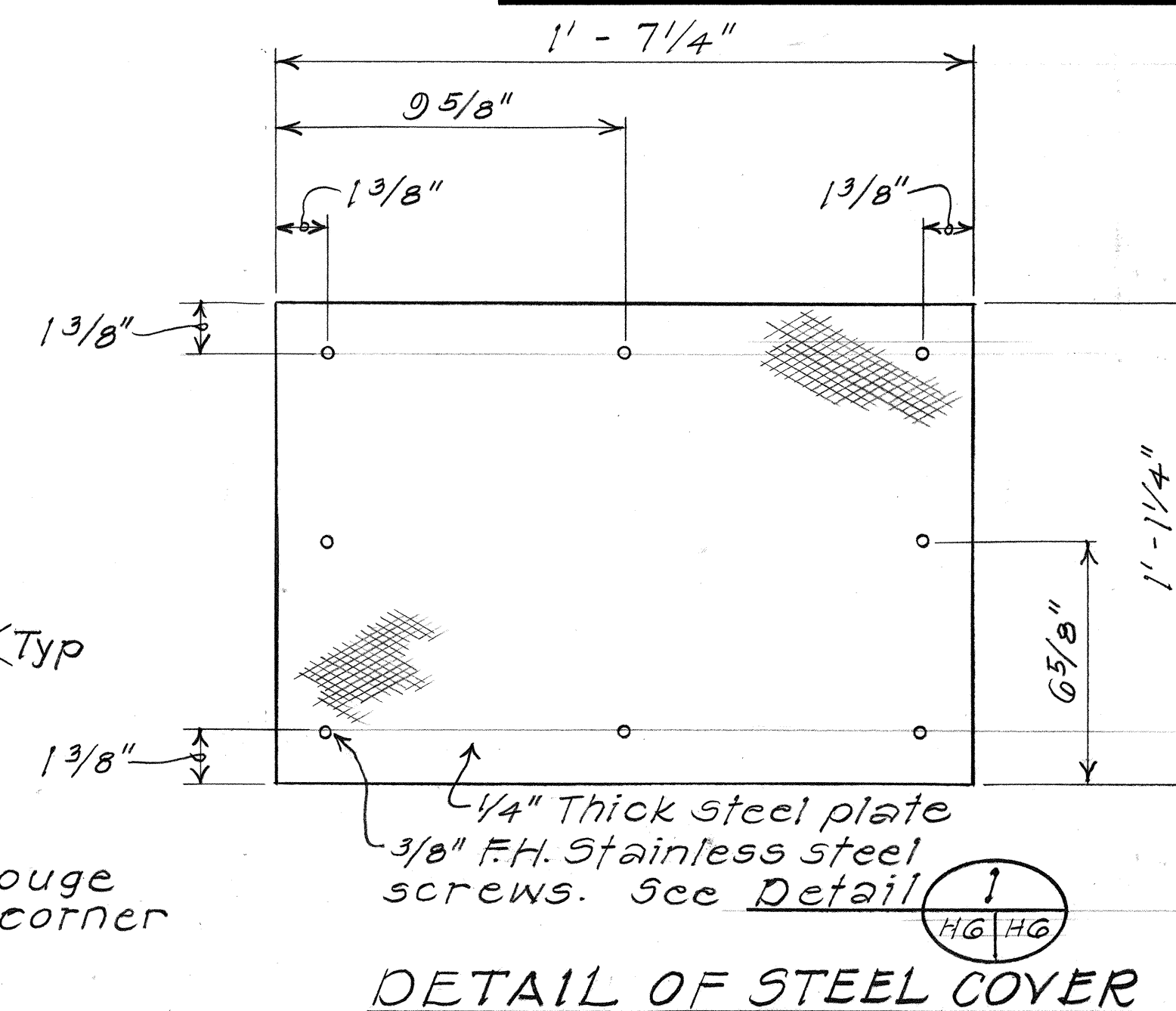
PLAN



SECTION DETAIL OF STEEL FRAME

NOTE:

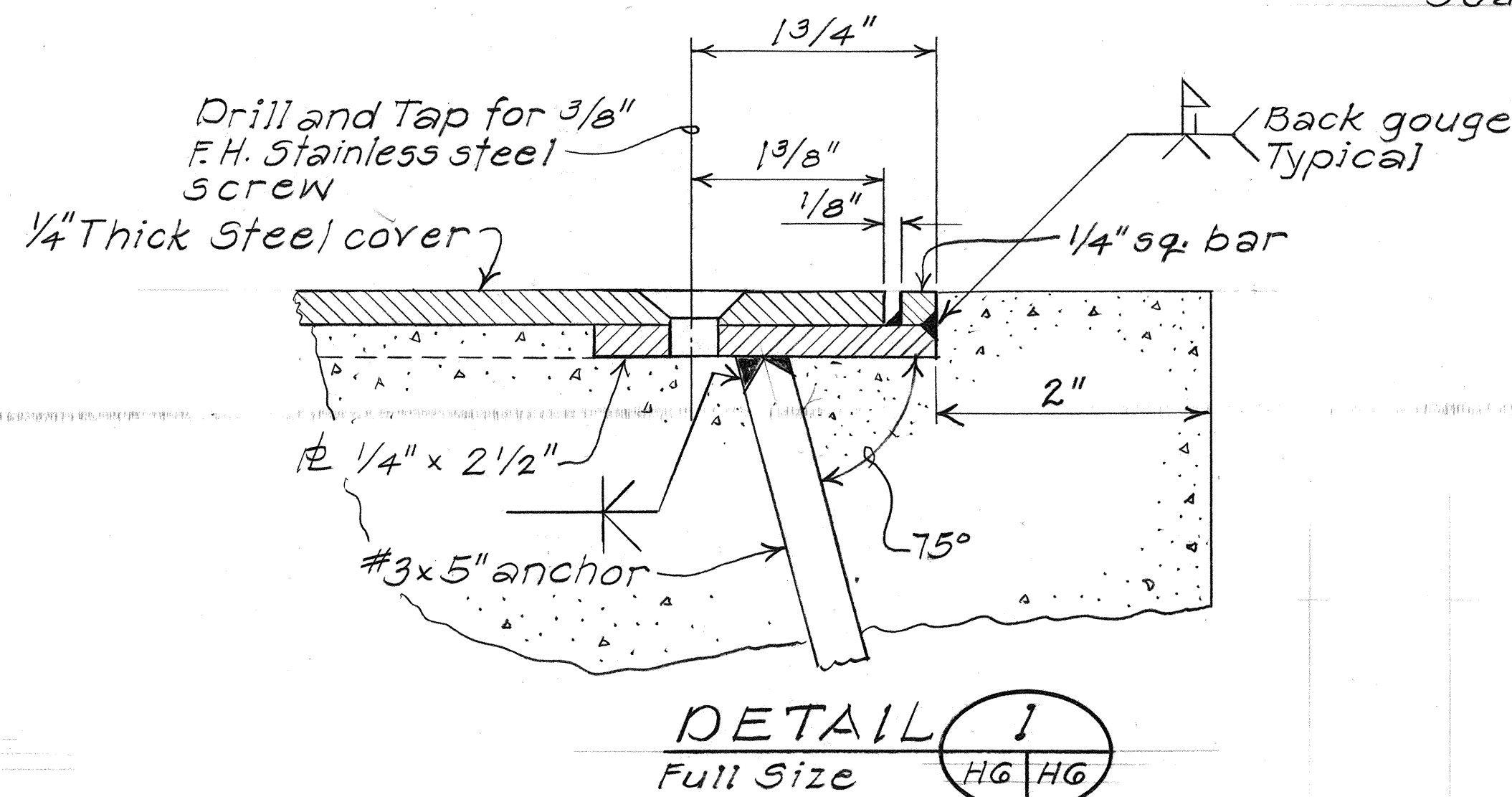
All steel parts shall be galvanized in accordance with the requirements of ASTM A123.



DETAIL OF STEEL COVER

DETAILS OF STEEL FRAME & COVER

Scale: $3'' = 1' - 0''$

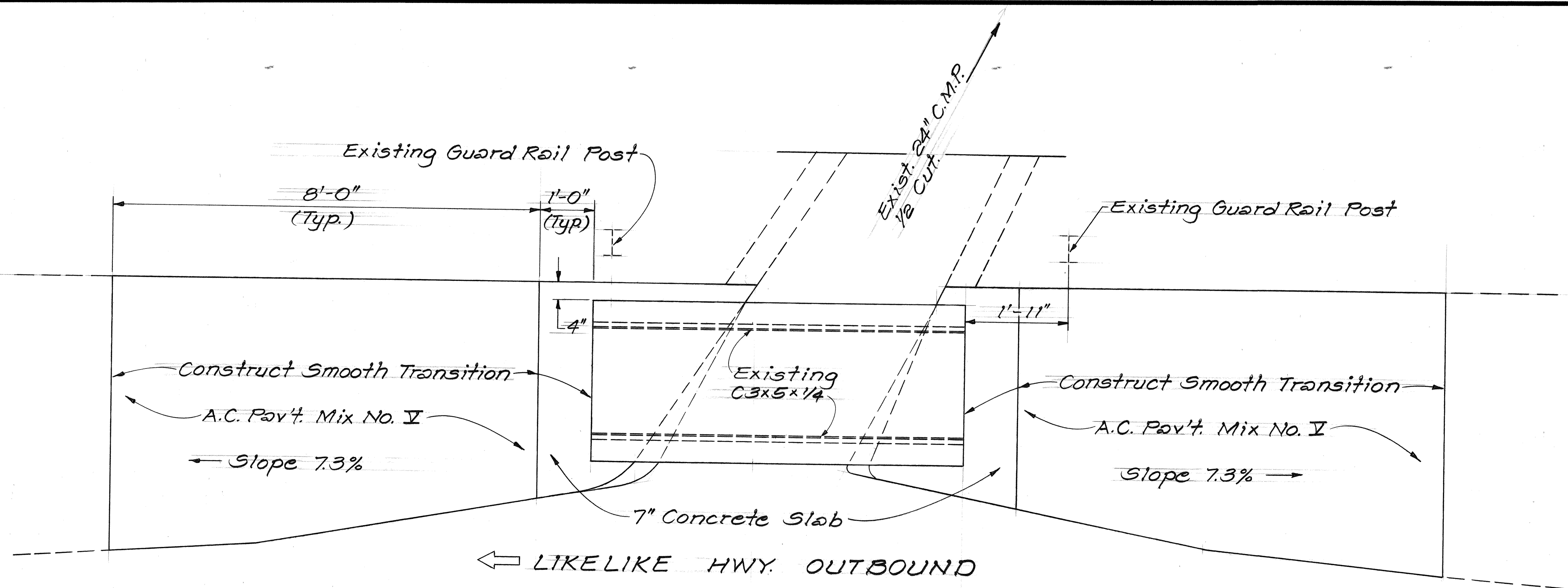


DETAIL

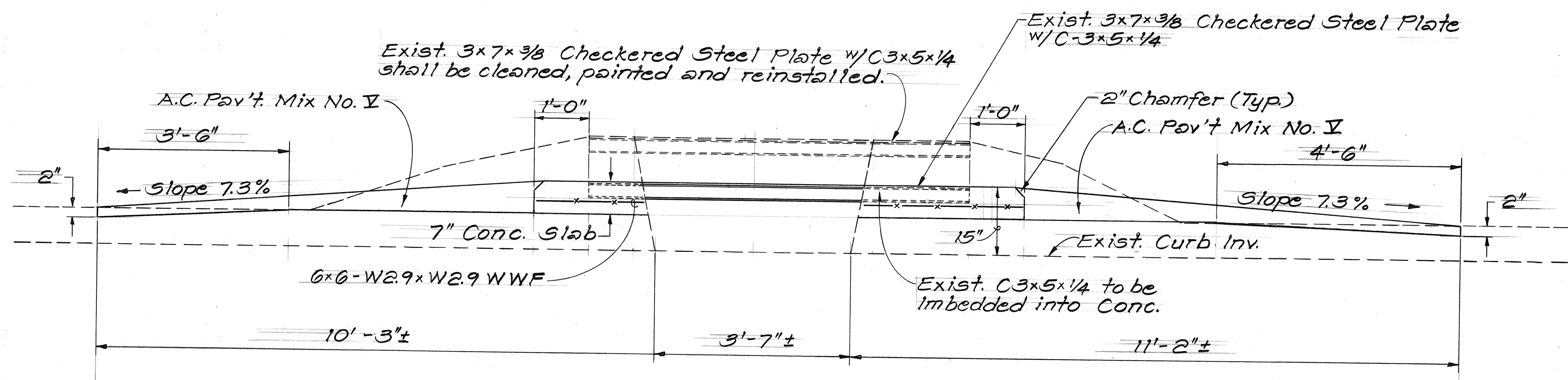
Full Size

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-89M	1990	C.02951	46



PLAN



PROFILE

DETAILS OF MODIFIED INLET STRUCTURE AT STA. 122+87

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
DRAINAGE DETAILS	
LIKELIKE HWY. RESURFACING Burmeister Overpass to Kaim. Hwy. PROJECT NO. 63A-01-89M	
Scale: 3/4"=1'-0" Date: Jan. 1990	
1-16-90 Sheet added to show modification of Inlet Structure at Sta. 122+87	DATE REVISION
SHEET NO. HGAOF 6 SHEETS	