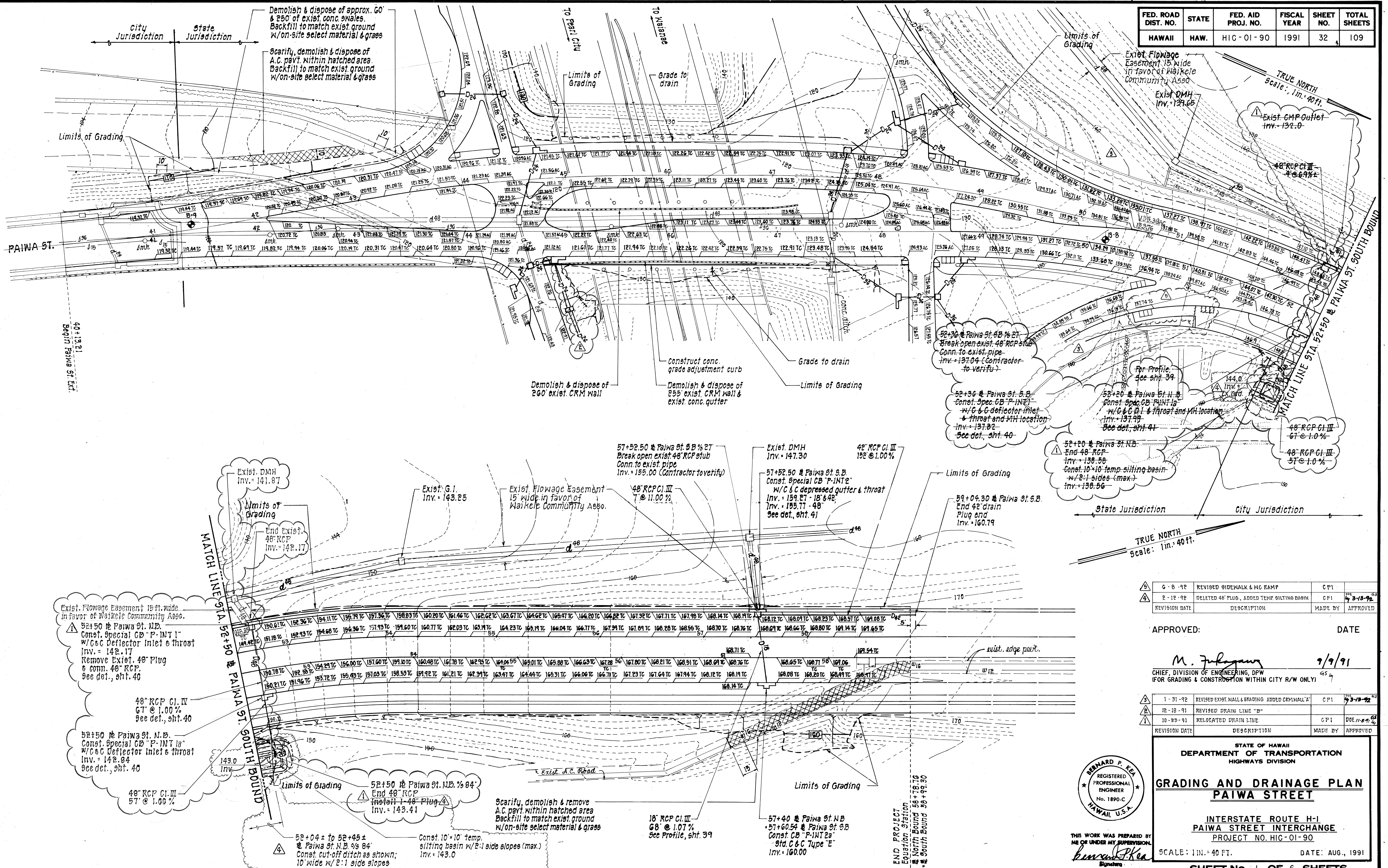


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIC - 01 - 90	1991	32	109



5	G - 8 - 92	REVISED SIDEWALK & WC RAMP	CP1	
4	F - 12 - 92	DELETED 48" PLUG, ADDED TEMP SILTING BASIN	CP1	see 3-13-92 GS
	REVISION DATE	DESCRIPTION	MADE BY	APPROVED

APPROVED: _____ DATE _____

M. Fukagawa 9/9/91
CHIEF, DIVISION OF ENGINEERING, DPW
(FOR GRADING & CONSTRUCTION WITHIN CITY R/W ONLY) GS

3	1-31-92	REVISED EXIST. WALL & GRADING ADDED CRIM WALL "A"	CPI	DOE 9-3-92	63
2	12-18-91	REVISED DRAIN LINE "B"			
1	10-25-91	RELOCATED DRAIN LINE	CPI	DOE 11-29-91	65
REVISION DATE		DESCRIPTION	MADE BY	APPROVED	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

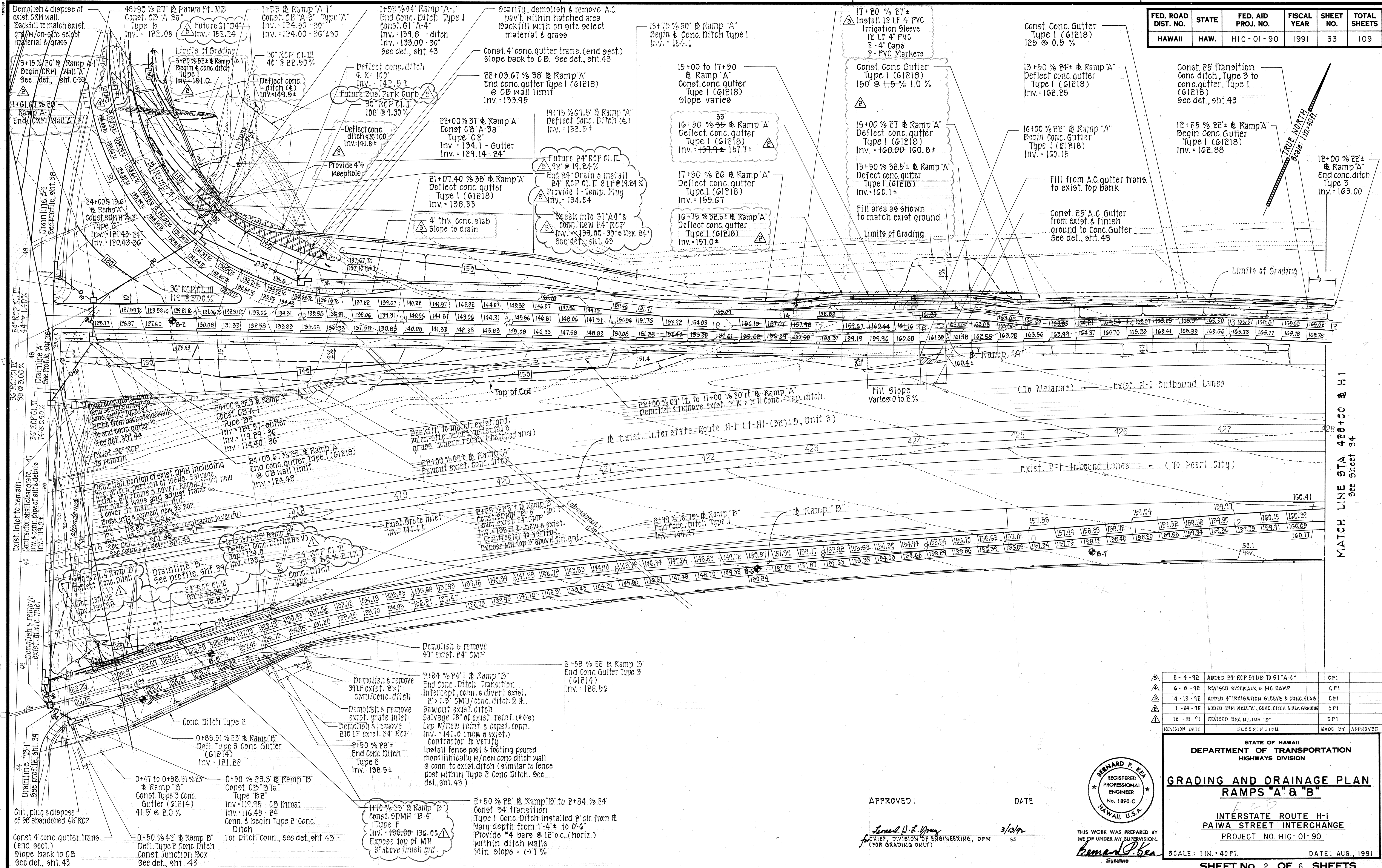
GRADING AND DRAINAGE PLAN PAIWA STREET

INTERSTATE ROUTE H-1
PAIWA STREET INTERCHANGE
PROJECT NO. HIC-01-90

SCALE: 1 IN. = 40 FT. DATE: AUG., 1991

SHEET No. 1 OF 6 SHEETS

32



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIC-01-90	1991	33	109

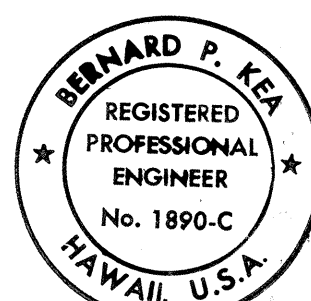
REVISION	DATE	DESCRIPTION	MADE BY	APPROVED
1	8-4-92	ADDED 24" RCP STUB TO G1-A-4"	CP1	
2	8-8-92	REVISED SIDEWALK & WC RAMP	CP1	
3	4-13-92	ADDED 4" IRRIGATION SLEEVE & CONC. SLAB	CP1	
4	1-24-92	ADDED CRIM WALL "A", CONC. DITCH & REV. GRADING	CP1	
5	12-18-91	REVISED DRAIN LINE "B"	CP1	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING AND DRAINAGE PLAN
RAMPS "A" & "B"

INTERSTATE ROUTE H-1
PAIWA STREET INTERCHANGE
PROJECT NO. HIC-01-90

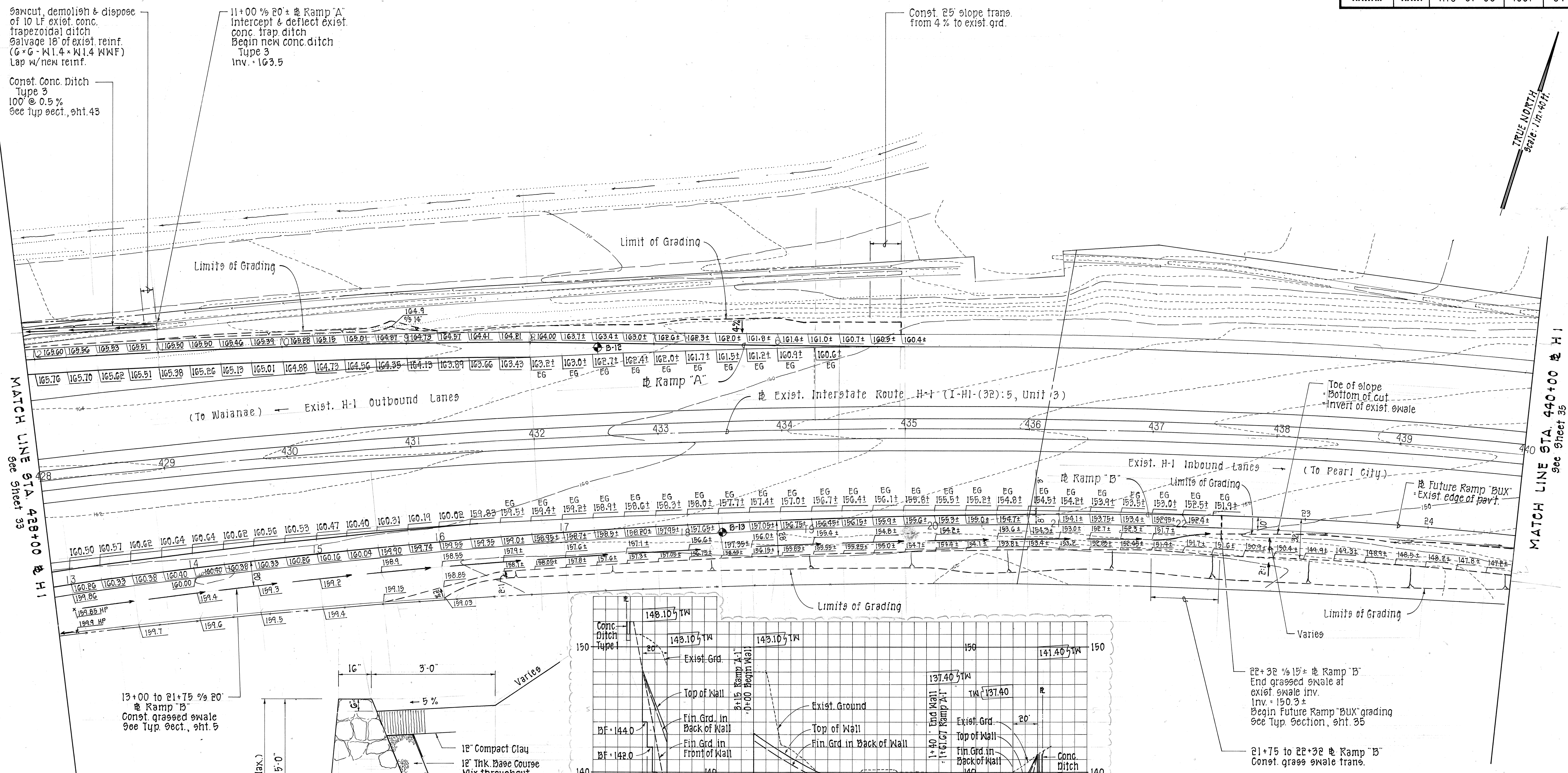
SCALE: 1 IN. = 40 FT. DATE: AUG., 1991
SHEET NO. 2 OF 6 SHEETS



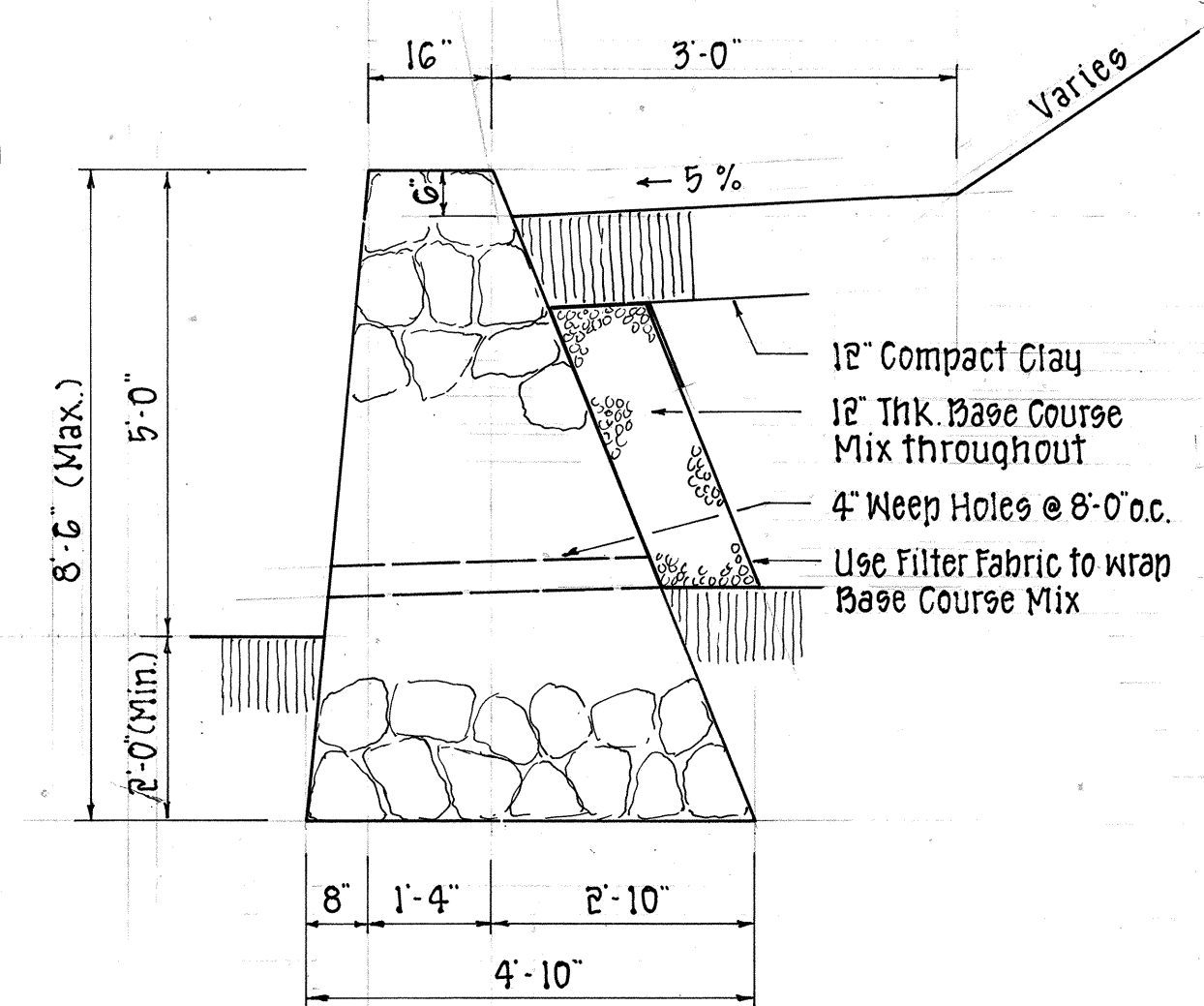
APPROVED: *Samuel L. Young* DATE: 3/13/92
CHIEF, DIVISION OF ENGINEERING, DPW
(FOR GRADING ONLY)

DATE	____
DESIGNED BY	____
CHECKED BY	____
ORIGINAL PLAN	____
NOTE BOOK	____
QUANTITIES BY	____
CHECKED BY	____

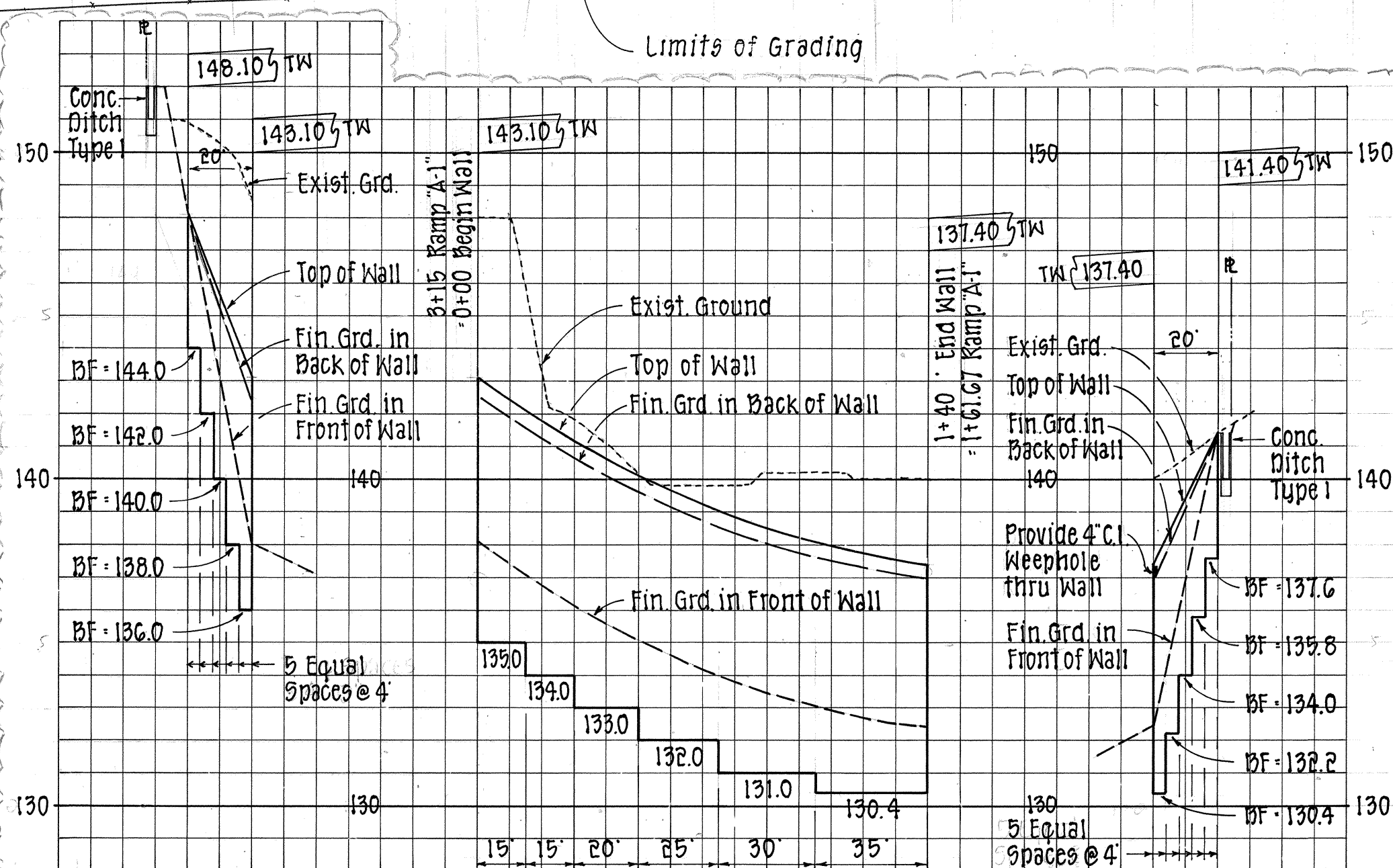
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIC-01-90	1991	34	109



DATE	DESIGNED BY	CHECKED BY
PLANNED BY	TRACED BY	DESIGNED BY
NOTE BOOK	QUANTITIES BY	CHECKED BY
NO.		



CRM WALL "A"
Scale: 1/2" = 1'-0"



PROFILE - WINGWALL @ WALL "A" STA. 0+00 (RAMP "A-1" STA. 3+13)
Scales: Hor. 1" = 40' Vert. 1" = 4'

PROFILE - CRM WALL "A"
Scales: Hor. 1" = 40' Vert. 1" = 4'

PROFILE - WINGWALL @ WALL "A" STA. 1+40 (RAMP "A-1" STA. 1+61.67)
Scales: Hor. 1" = 40' Vert. 1" = 4'

APPROVED: *Bernard P. Koa* 3/13/92
CHIEF, DIVISION OF ENGINEERING, DPM (FOR GRADING ONLY)

DATE: 3/13/92

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Bernard P. Koa
Signature

1-24-92	ADDED DETAIL OF CRM WALL 'A' & PROFILES	CP1
REVISION DATE	DESCRIPTION	MADE BY APPROVED

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

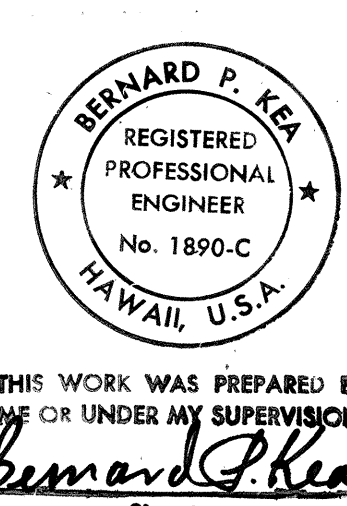
**GRADING AND DRAINAGE PLAN
RAMPS "A" & "B"**

INTERSTATE ROUTE H-1
PAIWA STREET INTERCHANGE
PROJECT NO. HIC-01-90

SCALE: 1 IN. = 40 FT. DATE: AUG., 1991

SHEET NO. 3 OF 6 SHEETS

TRUE NORTH
Scale: 1 in. = 40 ft.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING AND DRAINAGE PLAN

CONCRETE WALL "B-3"

PLAN

INTERSTATE ROUTE H-1

PAIWA STREET INTERCHANGE

PROJECT NO. HIC-01-90

SCALE: 1 IN. = 40 FT. DATE: AUG., 1991

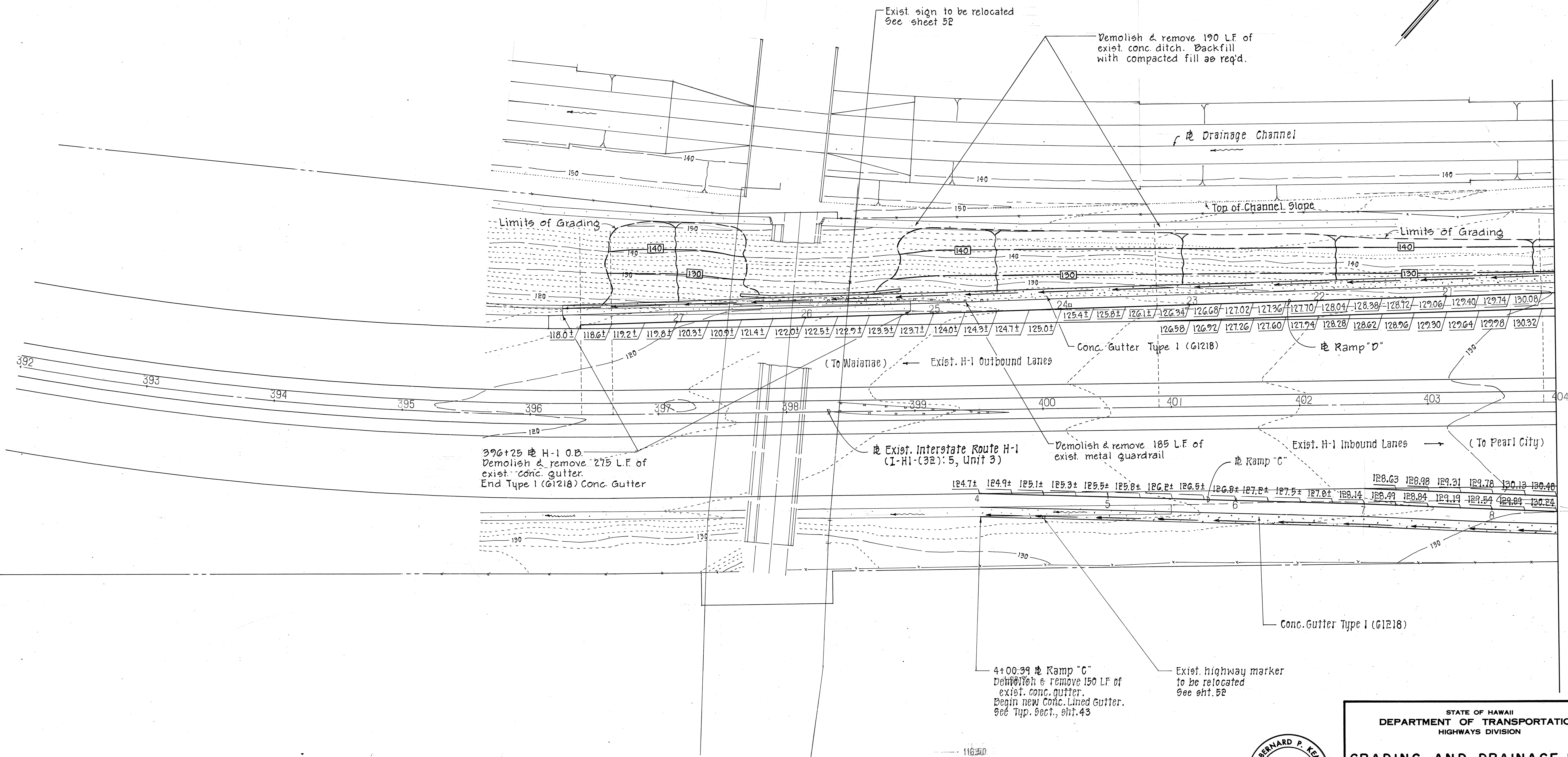
SHEET No. 4 OF 6 SHEETS

35

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	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.	HIC-01-90	1991	36	109

TRUE NORTH
Scale: 1 in. = 40 ft.



Const. 4" Conc. outfall
 trans. (end sect.)
 Slope @ 6% max.
 back to CB
 see det., sht. 43

Drainline, "D"
 see profile, sht. 38

48+78.27 @ Paima 98
 Const. CB "D-3a"
 Type "D"
 Inv. +121.70

24" RCP CI IV
 74 @ 3.70 %

Drainline, "D-3"
 see profile, sht. 38

Demolish and
 remove 38 LF
 of exist. 18" CMP

Demolish top portion
 of exist. DMH
 salvage exist.
 frame & cover
 Reconstruct new top slab
 & adjust to
 match finish grade
 Break into and
 connect new 24" RCP
 Inv. -117.15 - 24"
 Inv. -113.54 (Exist. to verify)
 see Conn. det. sht. 43
 see Reconst. Det. sht. 45
 0+87.14 to 24" Ramp "B"
 23'

Const. CI "B-3" 
 Top +126.9
 Inv. -155.64 ditch 125.57
 Inv. -122.44
 Inv. -116.34 120.94
 Begin Conn. Ditch (Type I)
 see det. detail, sht. 43

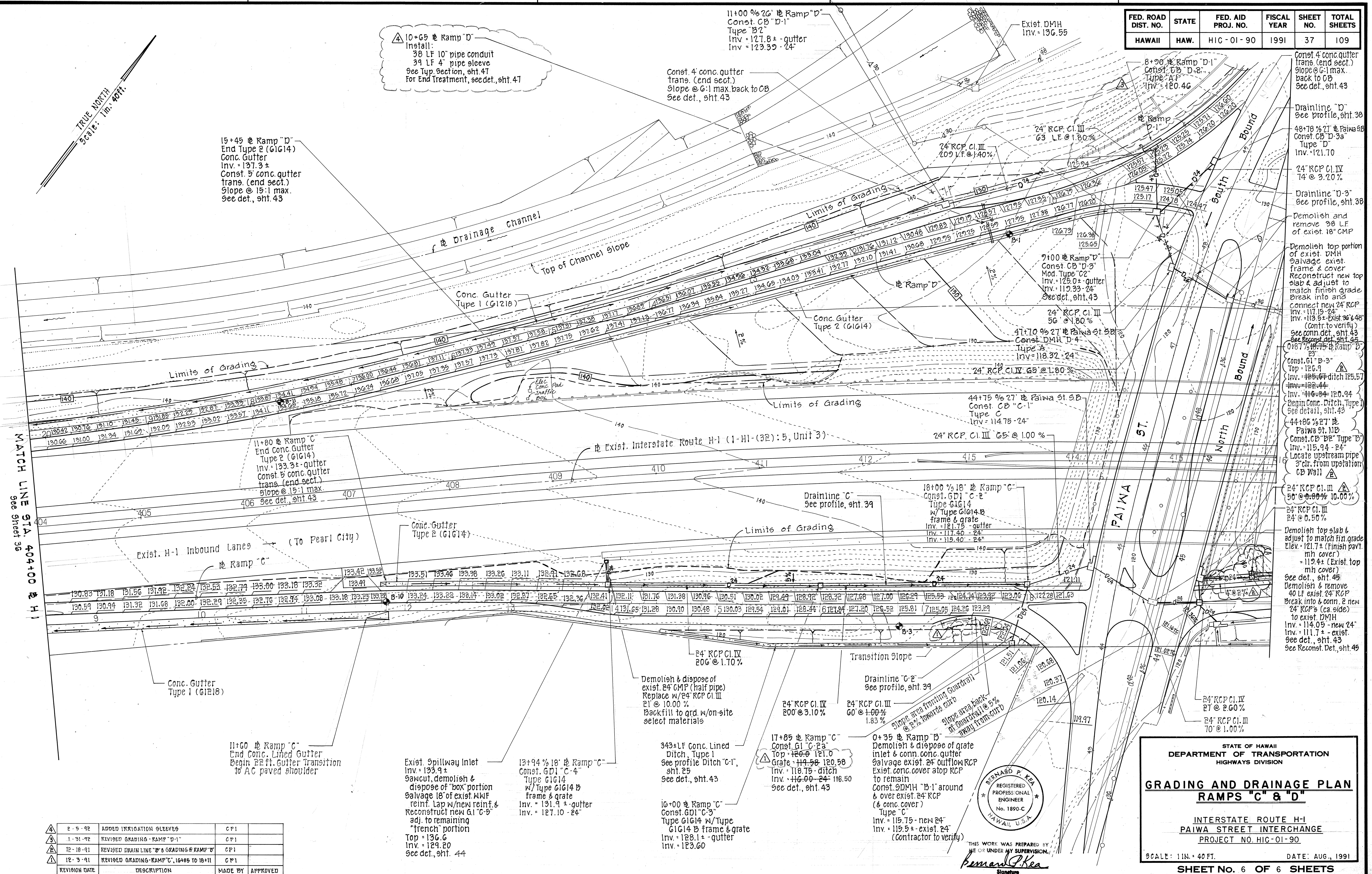
44+86.32 17' 13"
 Paima St. NB
 Const. CB "B" Type "B"
 Inv. -115.94 - 24"
 Locate upstream pipe
 3' c/cr. from upstation
 CB Wall 

24" RCP CI. III 
 50' @ 0.00% 10.00%

24" RCP CI. III
 24' @ 0.50 %

Demolish top slab &
 adjust to match fin. grade
 Elev. +121.74 (Finish pavt.
 m/cover)
 = 119.44' (Exist. top
 m/cover)
 see det., sht. 45

Demolish & remove
 40 LF exist. 24" RCP
 Break into & conn. 2 new
 24" RCP (as side)
 to exist. DMH
 Inv. -114.05 - new 24"
 Inv. -111.74 - exist.
 see det., sht. 43
 see Reconst. Det. sht. 45



4	2-5-92	ADDED IRRIGATION SLEEVES	CP1	
3	1-31-92	REVISED GRADING - KAMP "D-1"	CP1	
2	12-18-91	REVISED DRAIN LINE "B" & GRADING @ KAMP "B"	CP1	
1	12-3-91	REVISED GRADING - KAMP "C", 16+05 TO 18+11	CP1	
	REVISION DATE	DESCRIPTION	MADE BY	APPROVED

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

GRADING AND DRAINAGE PLAN
RAMPS "C" & "D"

INTERSTATE ROUTE H-1
PAIWA STREET INTERCHANGE
PROJECT NO. HIC-01-90

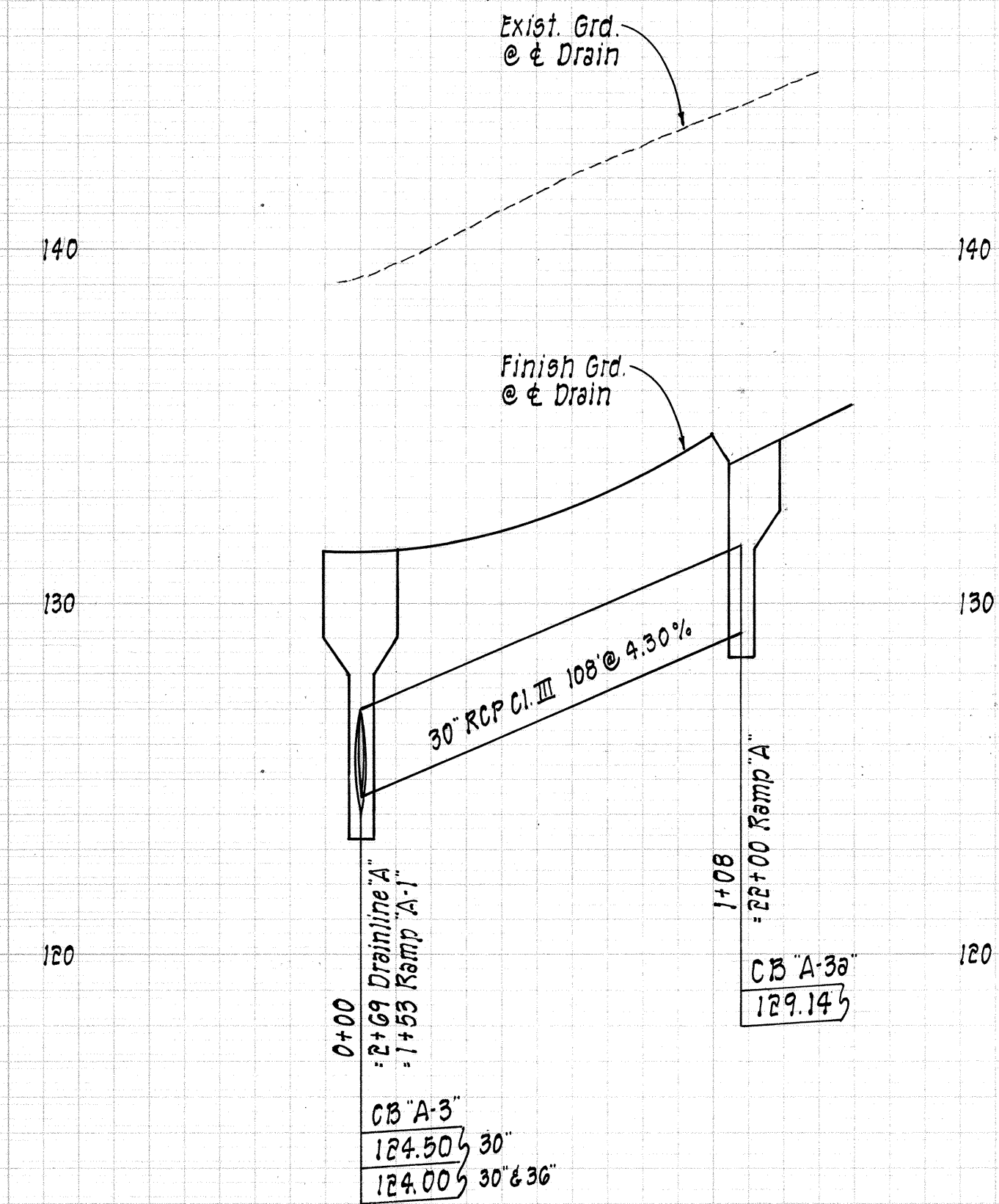
SCALE: 1" = 40 FT. DATE: AUG., 1991

SHEET No. 6 OF 6 SHEETS

37

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIC-01-90	1991	38	109

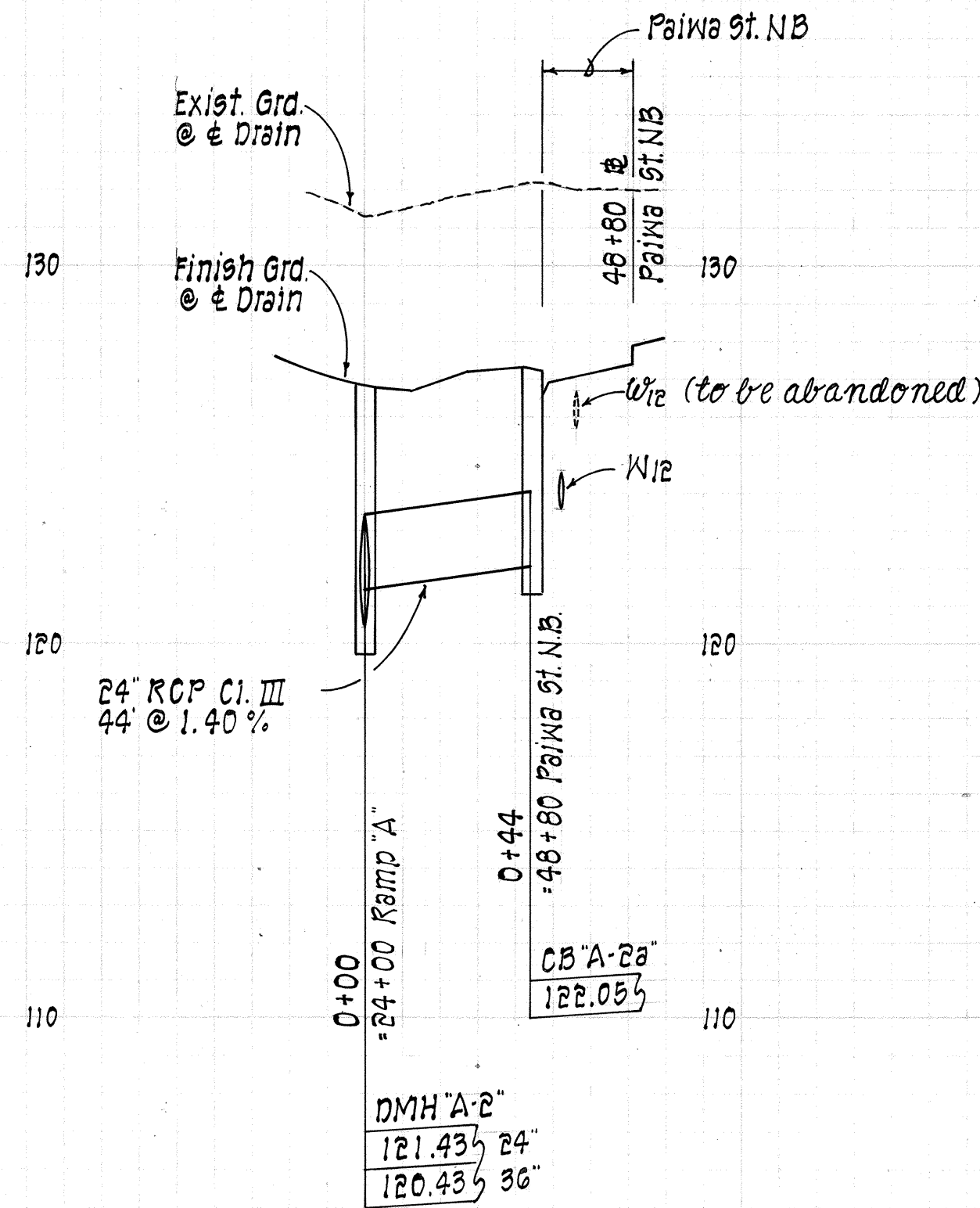
0+00 1+00



DRAINLINE "A-3"

Scales: Hor. 1" = 40'
Vert. 1" = 4'

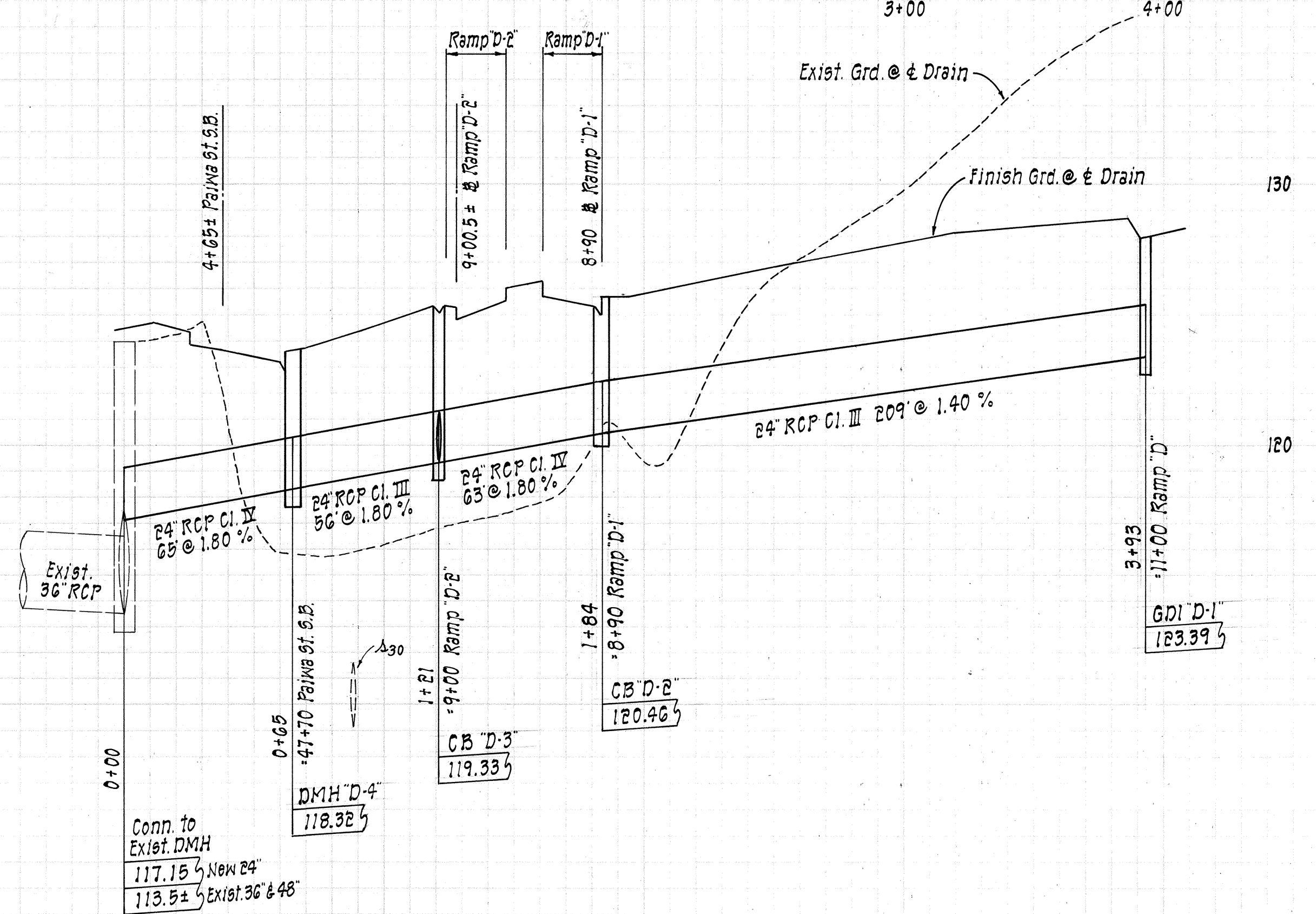
0+00 1+00



DRAINLINE "A-2"

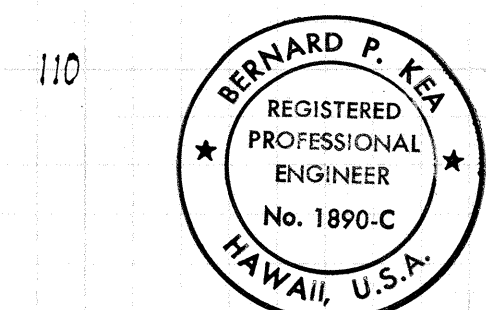
Scales: Hor. 1" = 40'
Vert. 1" = 4'

0+00 1+00



DRAINLINE "D"

Scales: Hor. 1" = 40'
Vert. 1" = 4'



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Benard P. Kea
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINLINE PROFILES

INTERSTATE ROUTE H-1
PAIWA STREET INTERCHANGE
PROJECT NO. HIC-01-90

SCALE: AS NOTED
DATE: AUG., 1991
SHEET NO. 1 OF 2 SHEETS

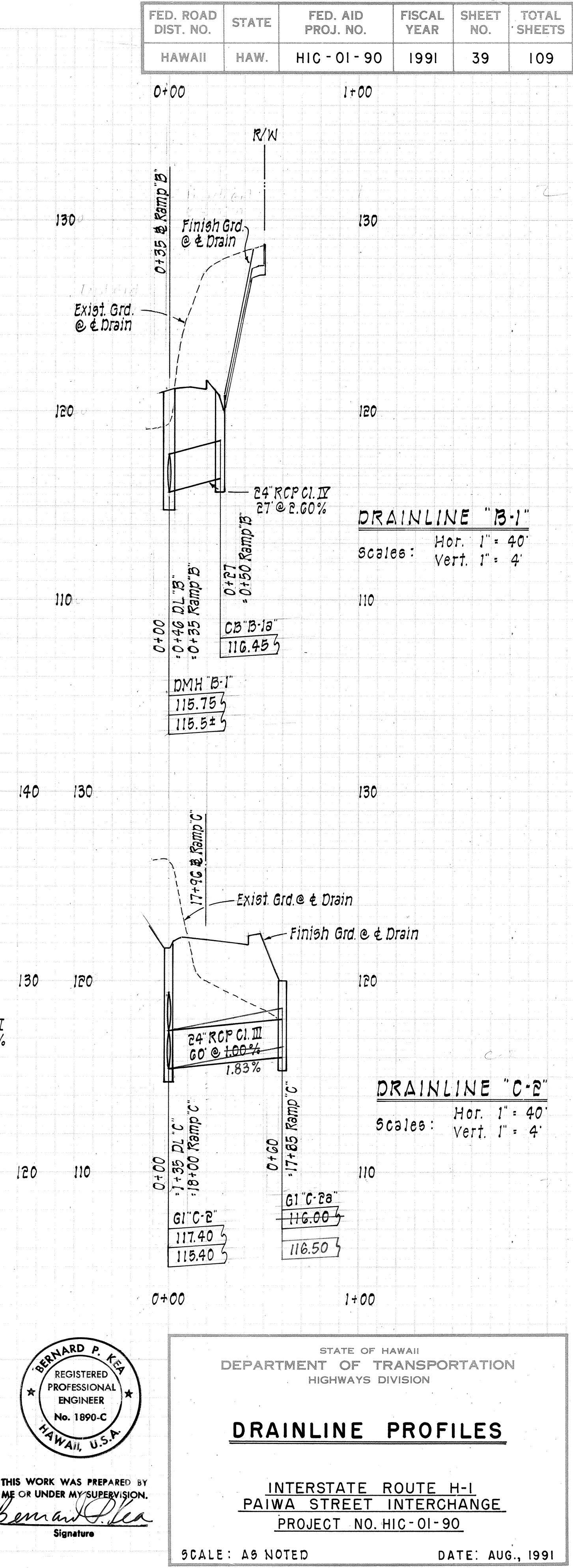
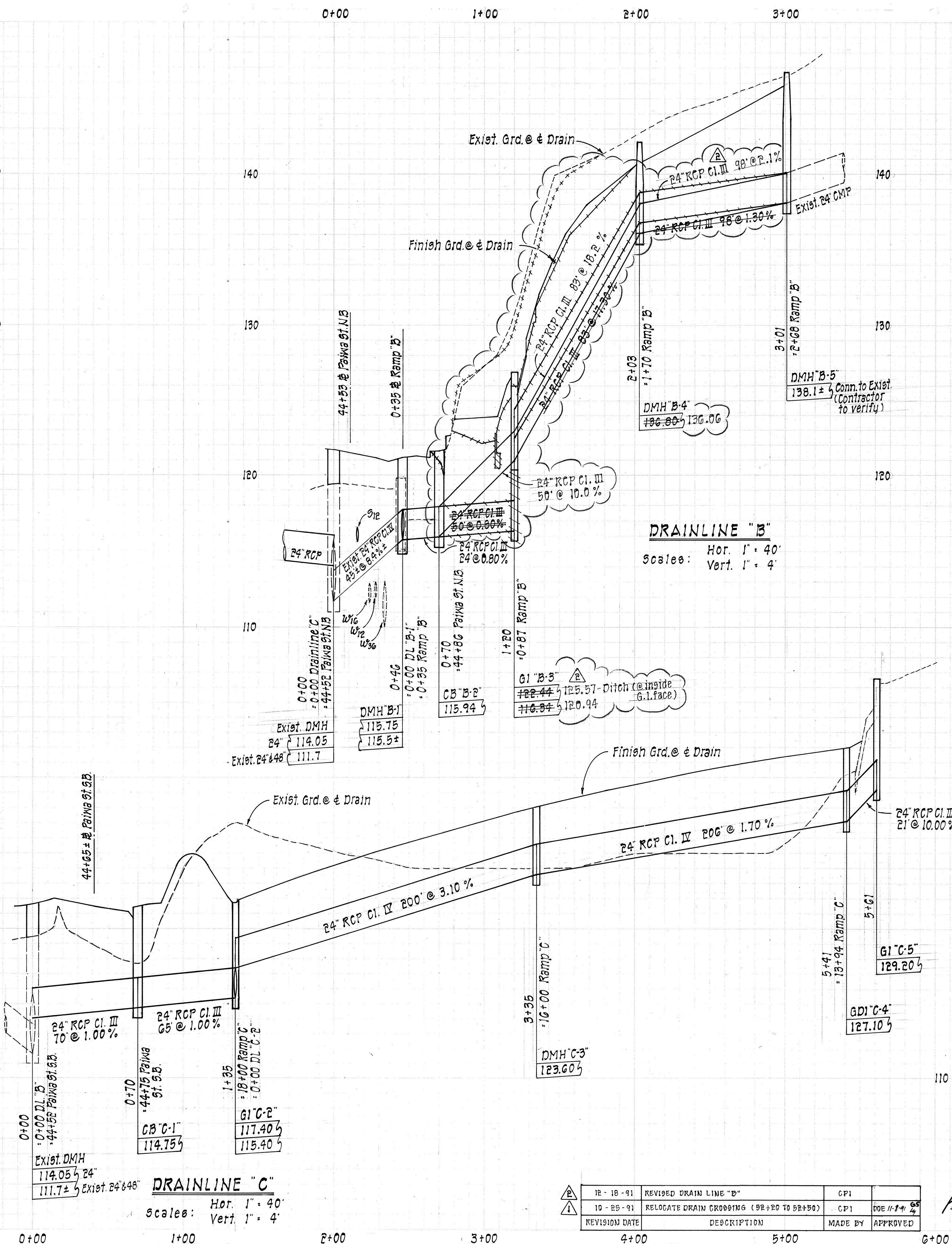
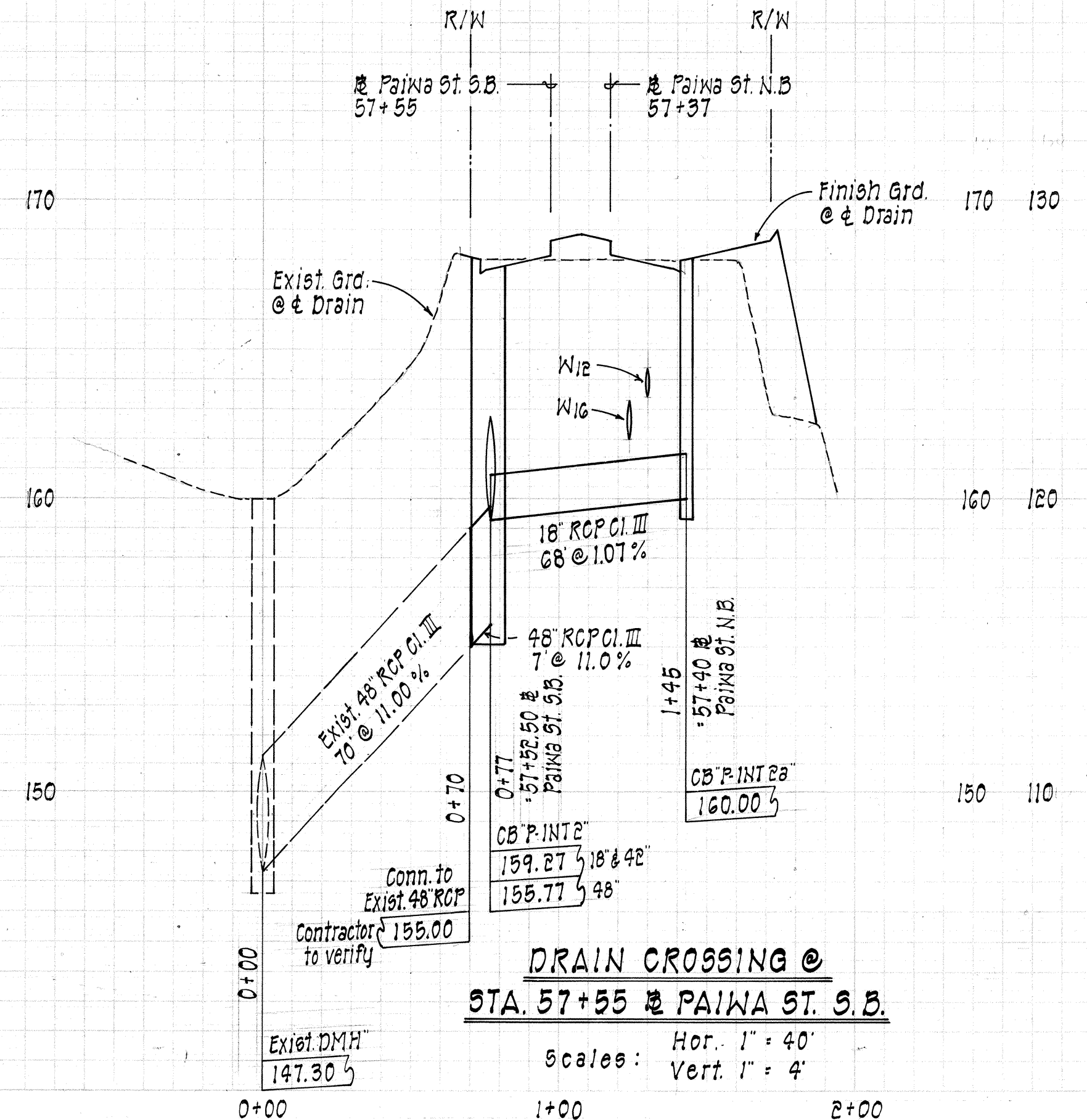
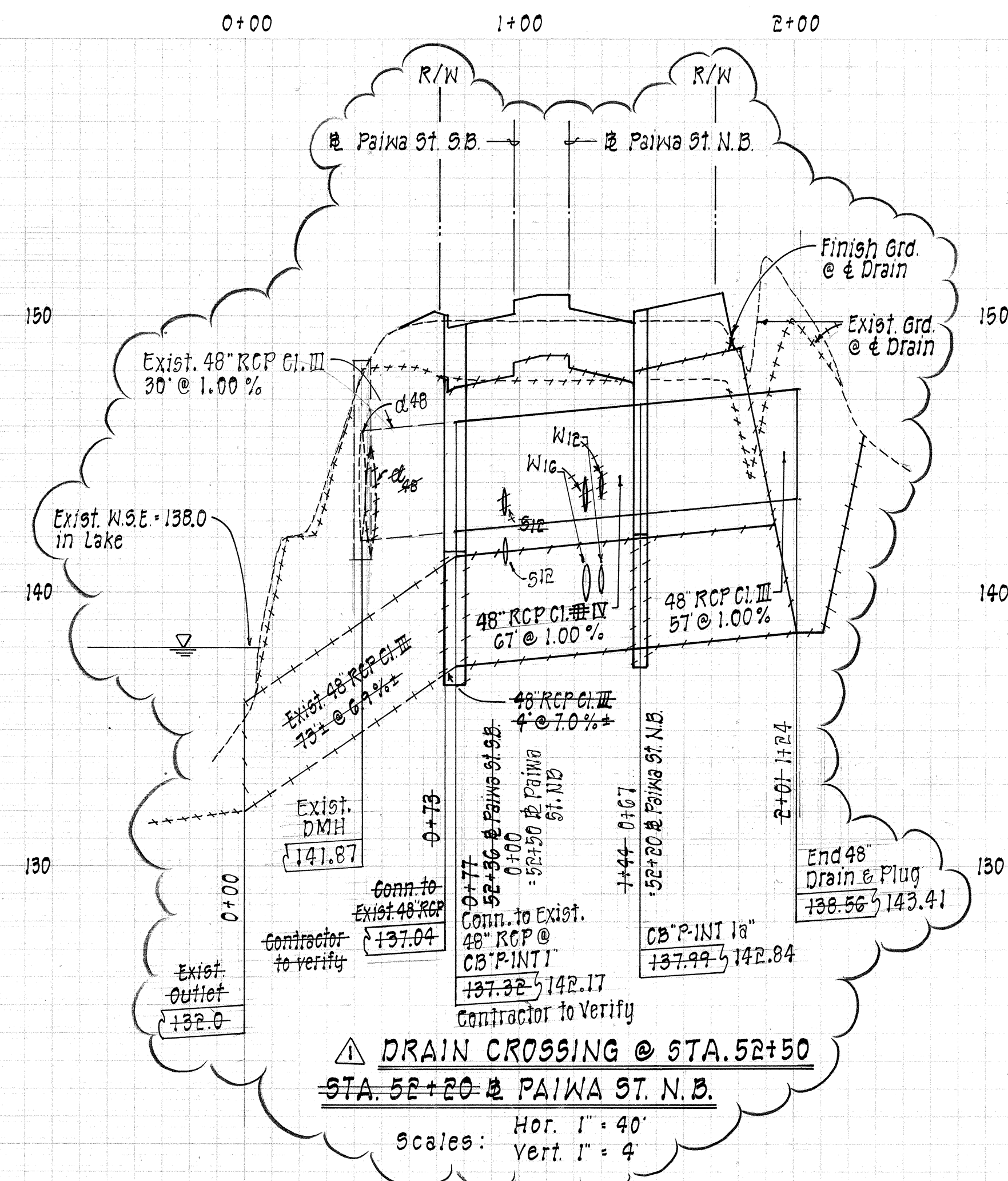
ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NO.	

8-4-92	ADDED 24" RCP STUD TO GDI "A4"	CP1	
REVISION DATE	DESCRIPTION	MADE BY	APPROVED

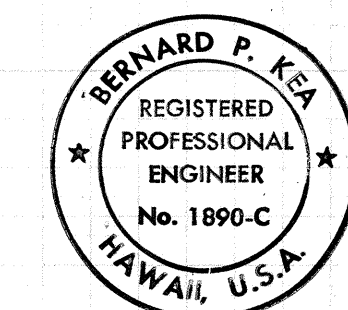
DRAINLINE "D-3"

Scales: Hor. 1" = 40'
Vert. 1" = 4'

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



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIC-01-90	1991	39	109



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Bernard P. Kea
 Signature

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
18-18-91	REVISED DRAIN LINE "B"	CP1	
10-25-91	RELOCATE DRAIN CROSSING (52+50 TO 52+50)	CP1	DOE 11/1/91

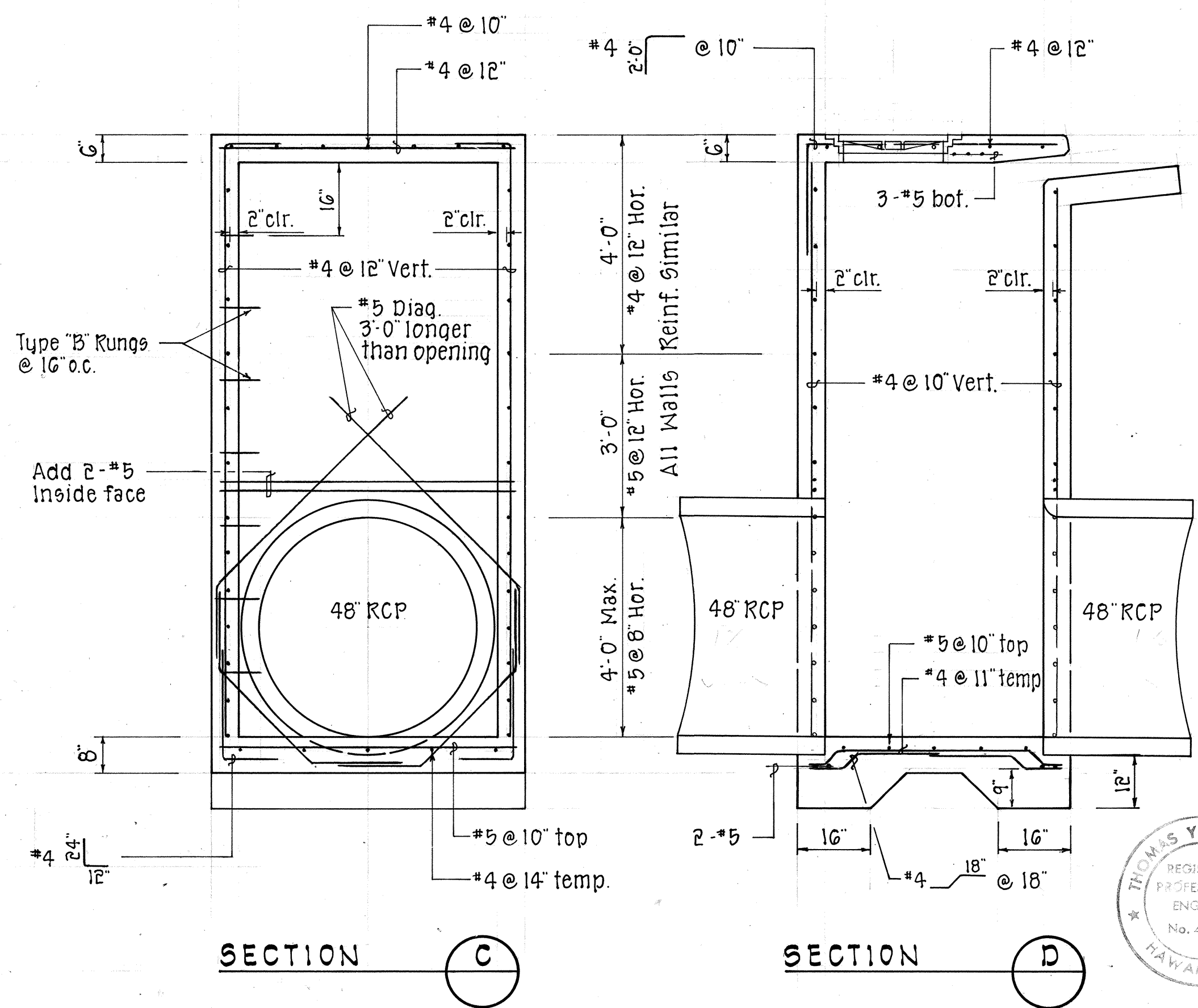
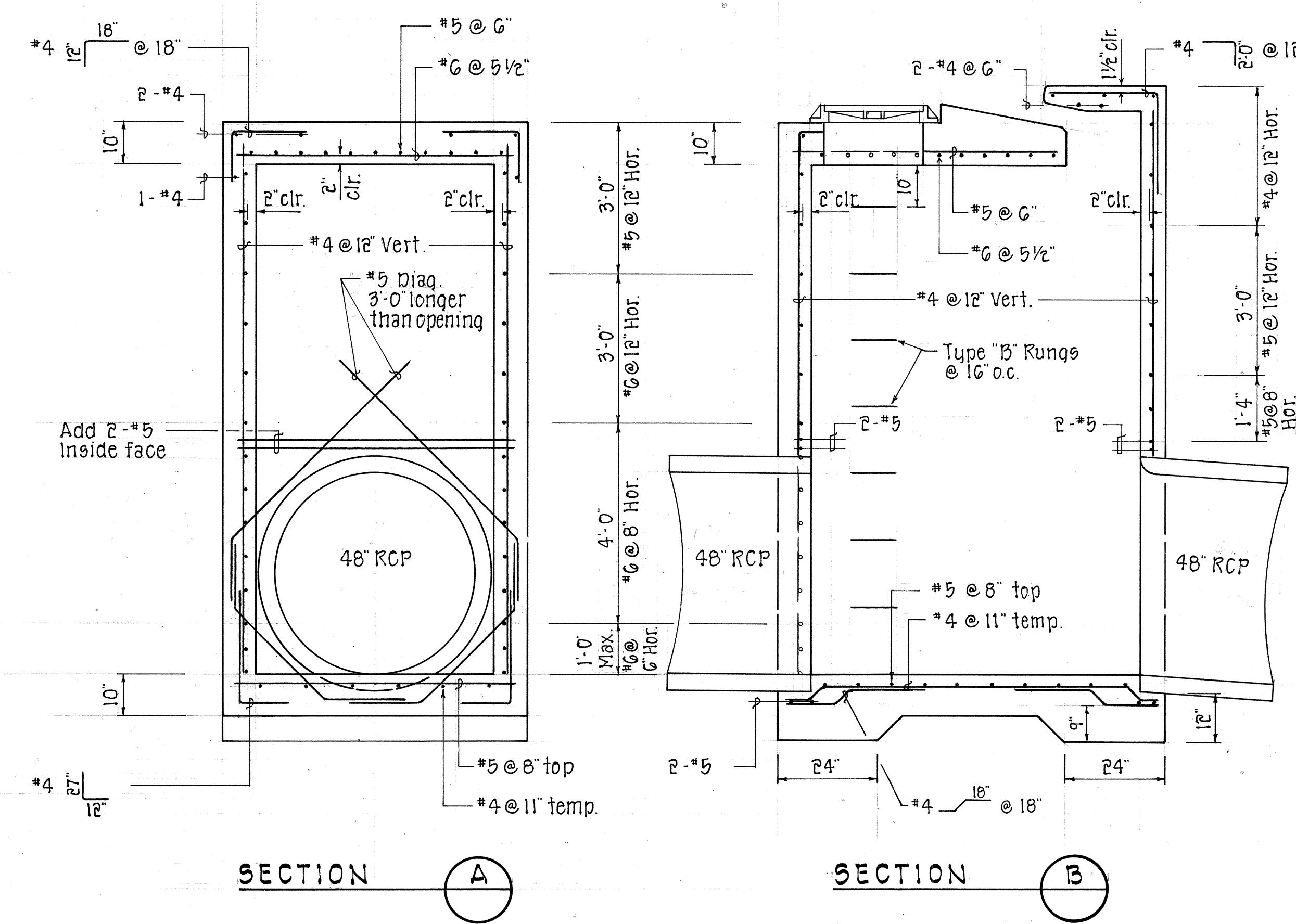
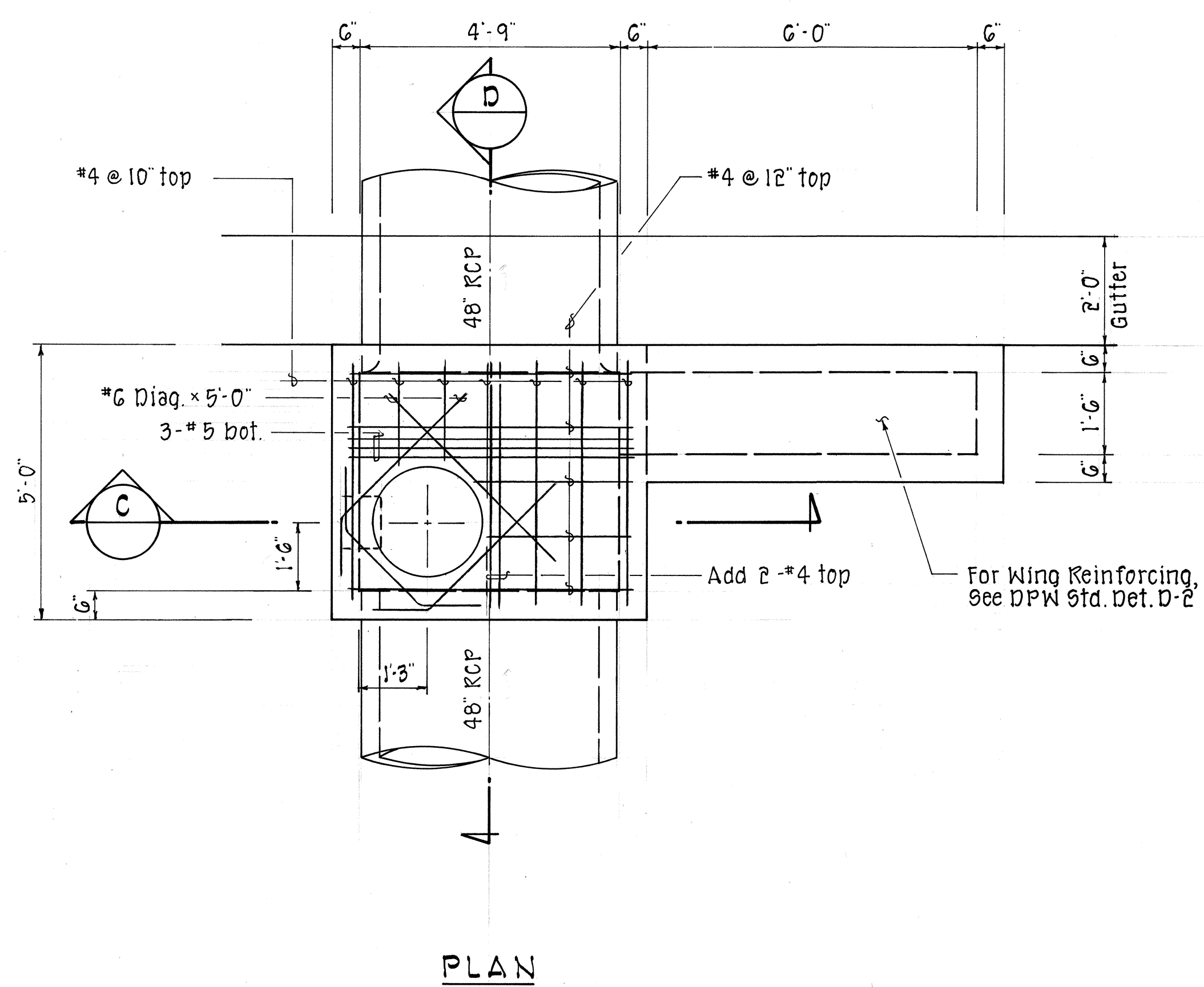
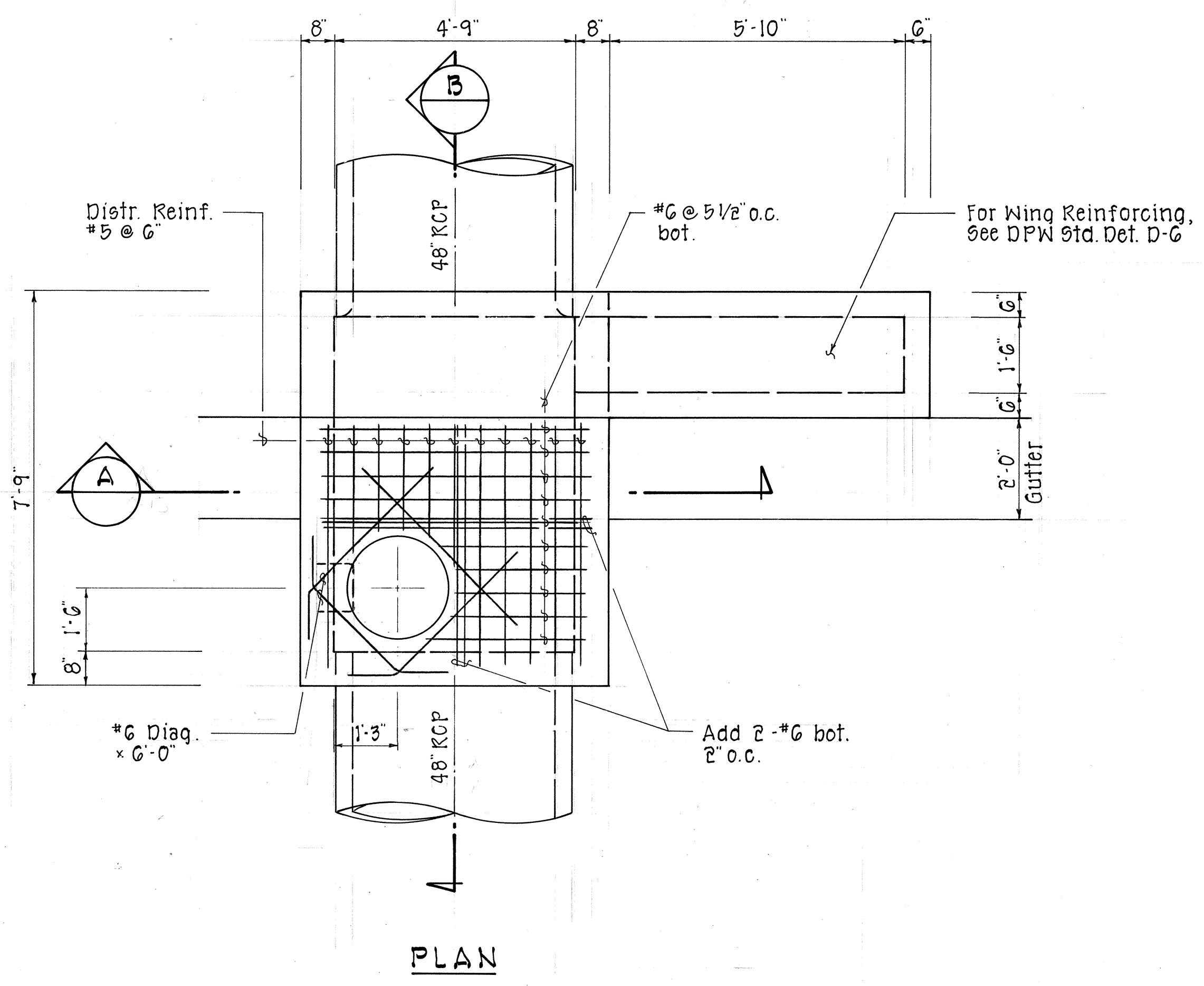
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

DRAINLINE PROFILES

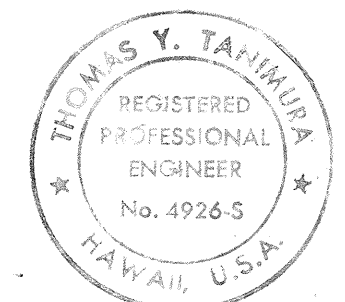
INTERSTATE ROUTE H-1
 PAIWA STREET INTERCHANGE
 PROJECT NO. HIC-01-90

SCALE: AS NOTED DATE: AUG., 1991
 SHEET NO. 2 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIC-01-90	1991	40	109



APPROVED: _____ DATE: 9/9/91
M. F. [Signature]
CHIEF, DIVISION OF ENGINEERING DPN 454



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

INTERSTATE ROUTE H-1
PAIWA STREET INTERCHANGE
PROJECT NO. HIC-01-90

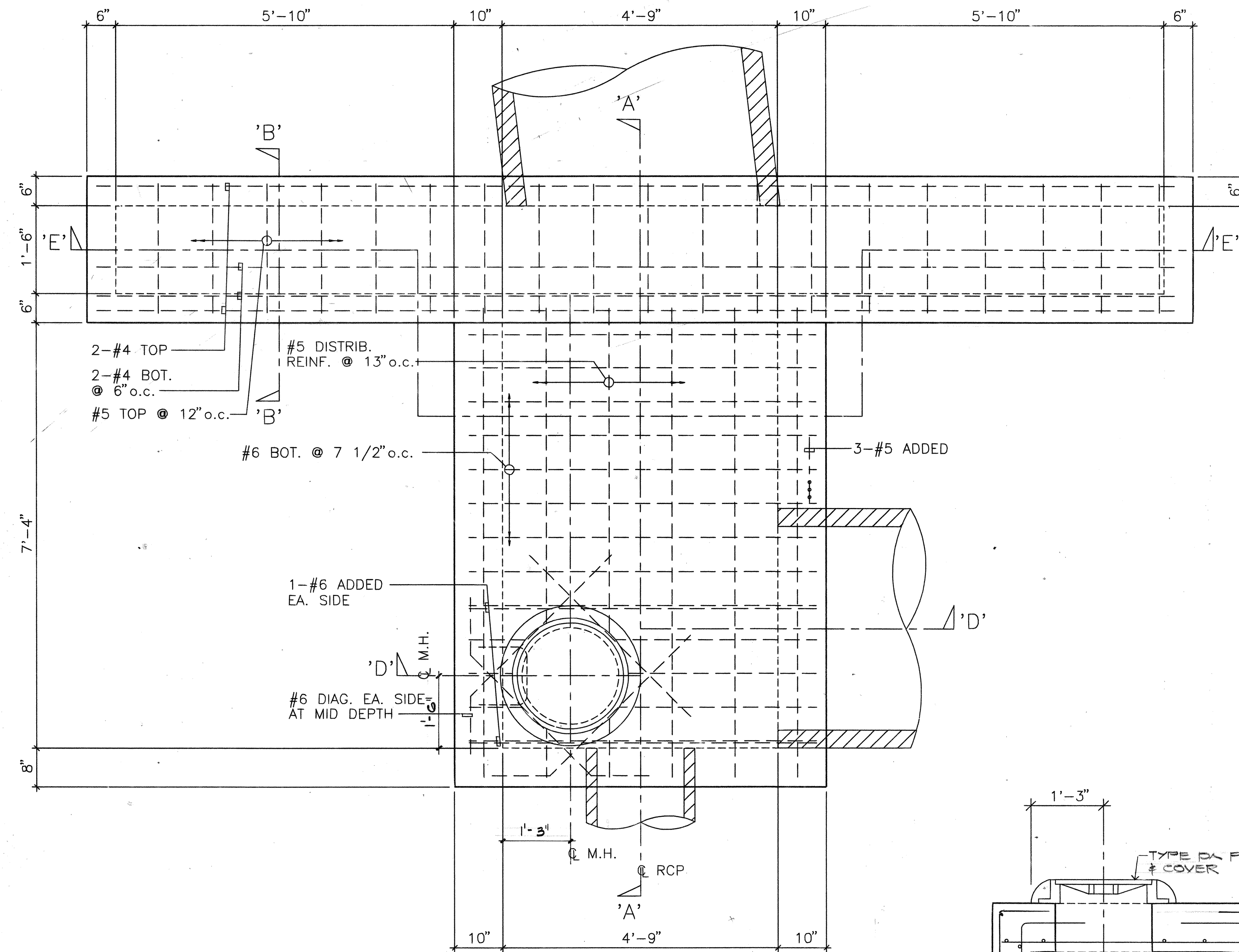
SCALE: 1/2" = 1'-0"

DATE: AUG., 1991

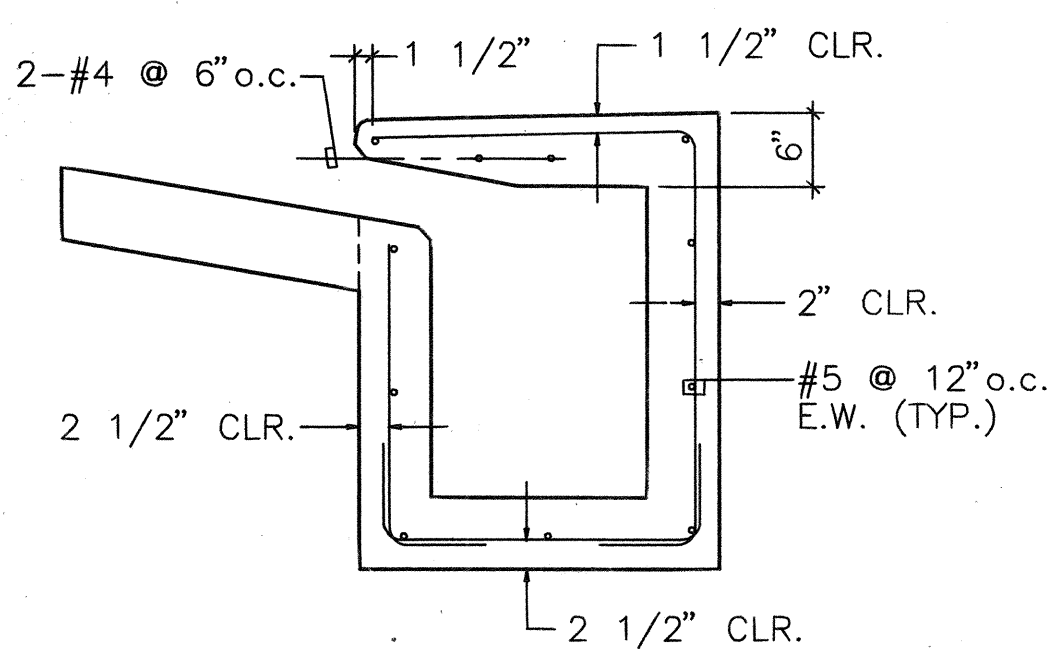
SHEET NO. 1 OF 6 SHEETS

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

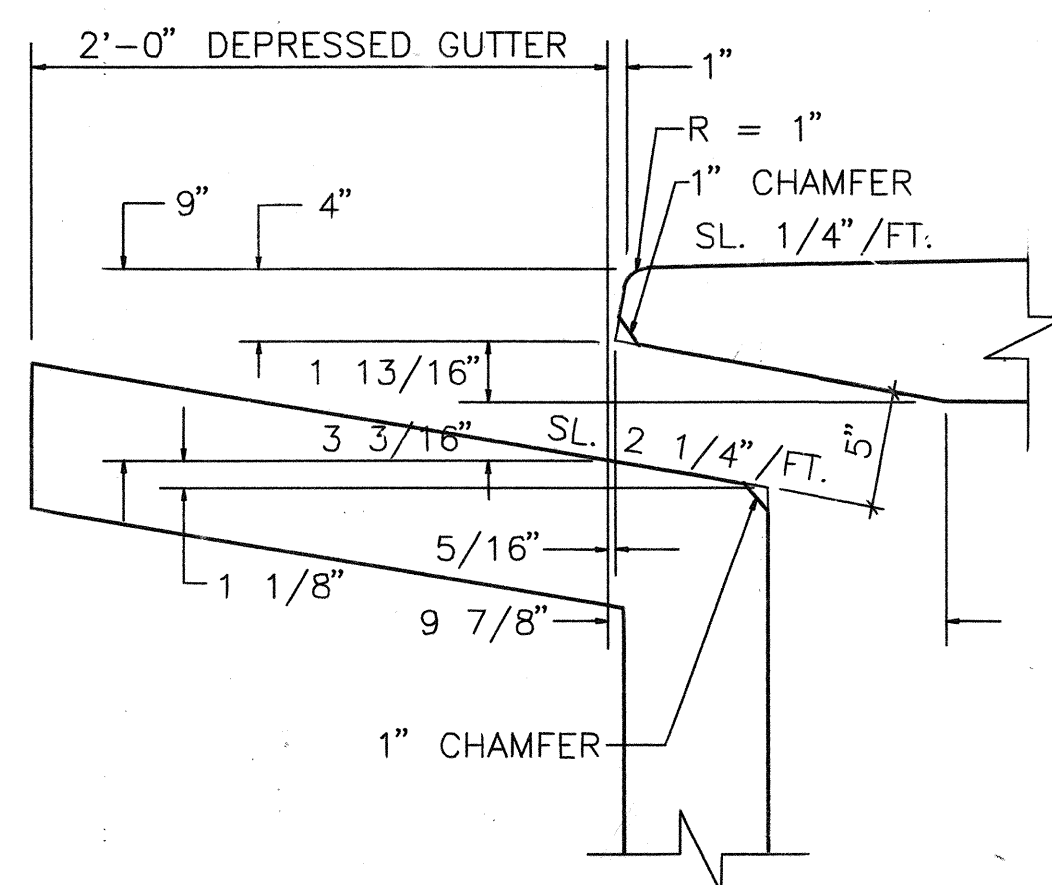
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HAWAII	HAW.	HIC-01-90	1991	41	109



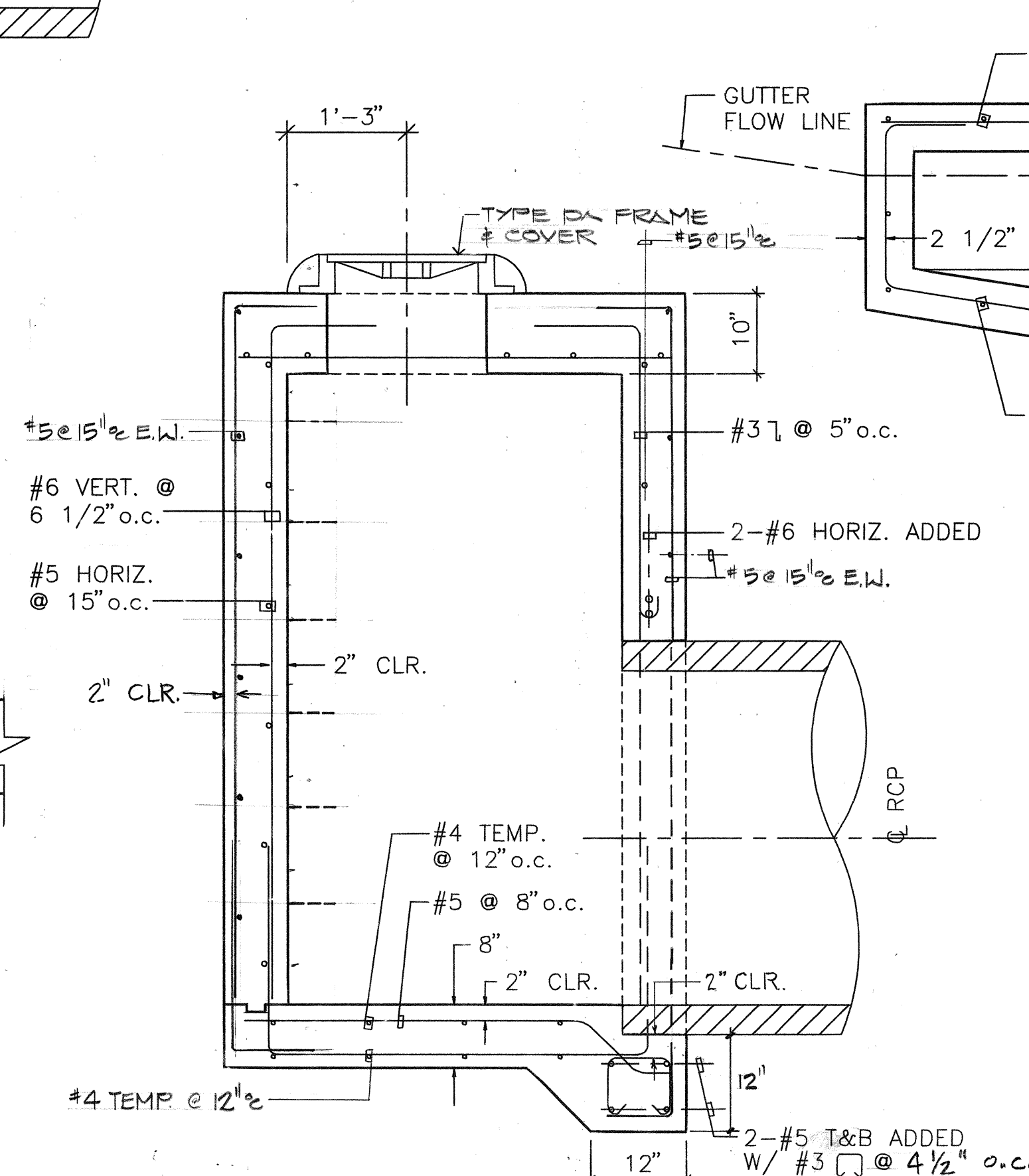
TOP SLAB REINFORCING PLAN



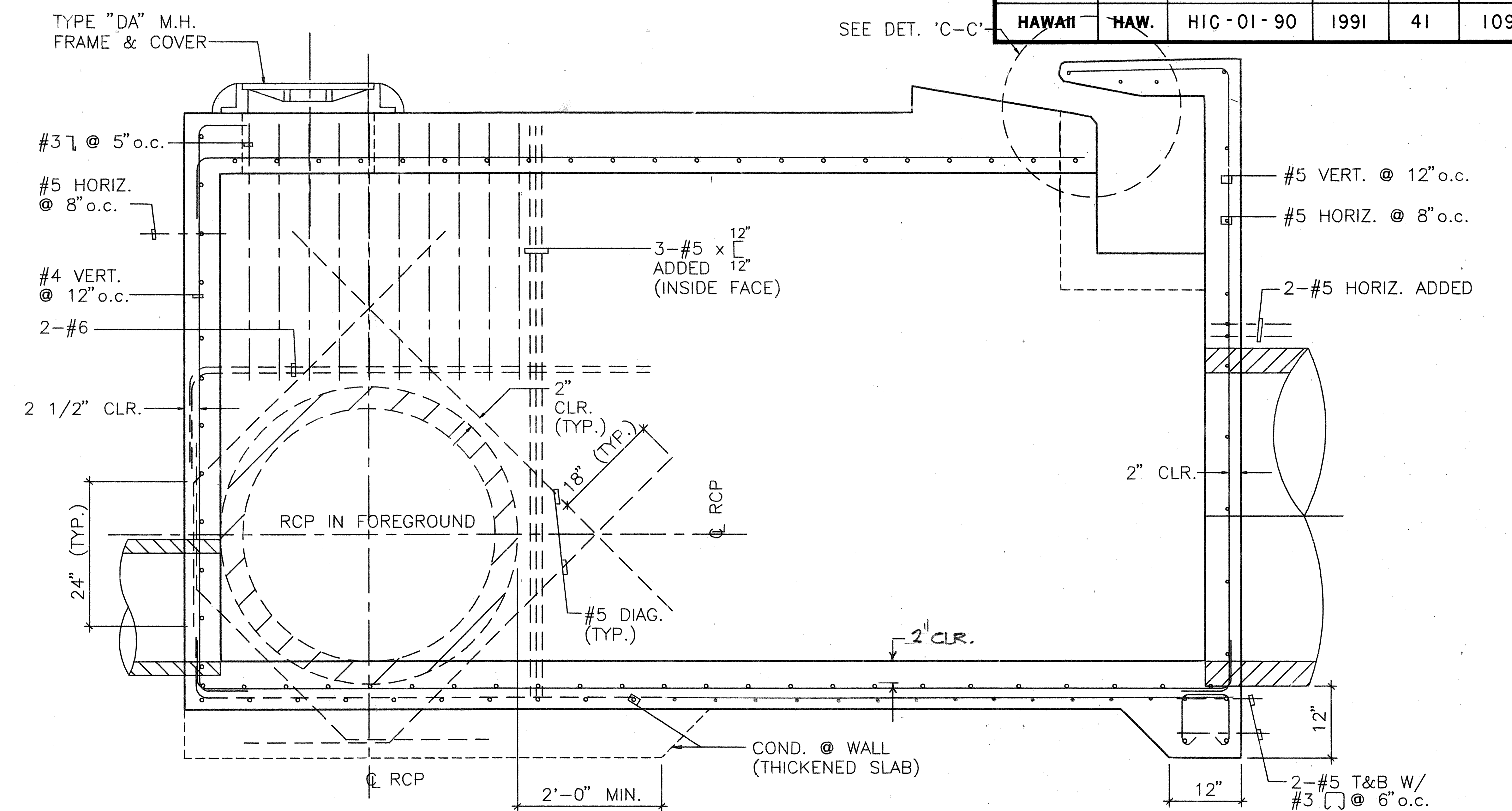
SECTION 'B-B'
SC: 3/4" = 1'-0"



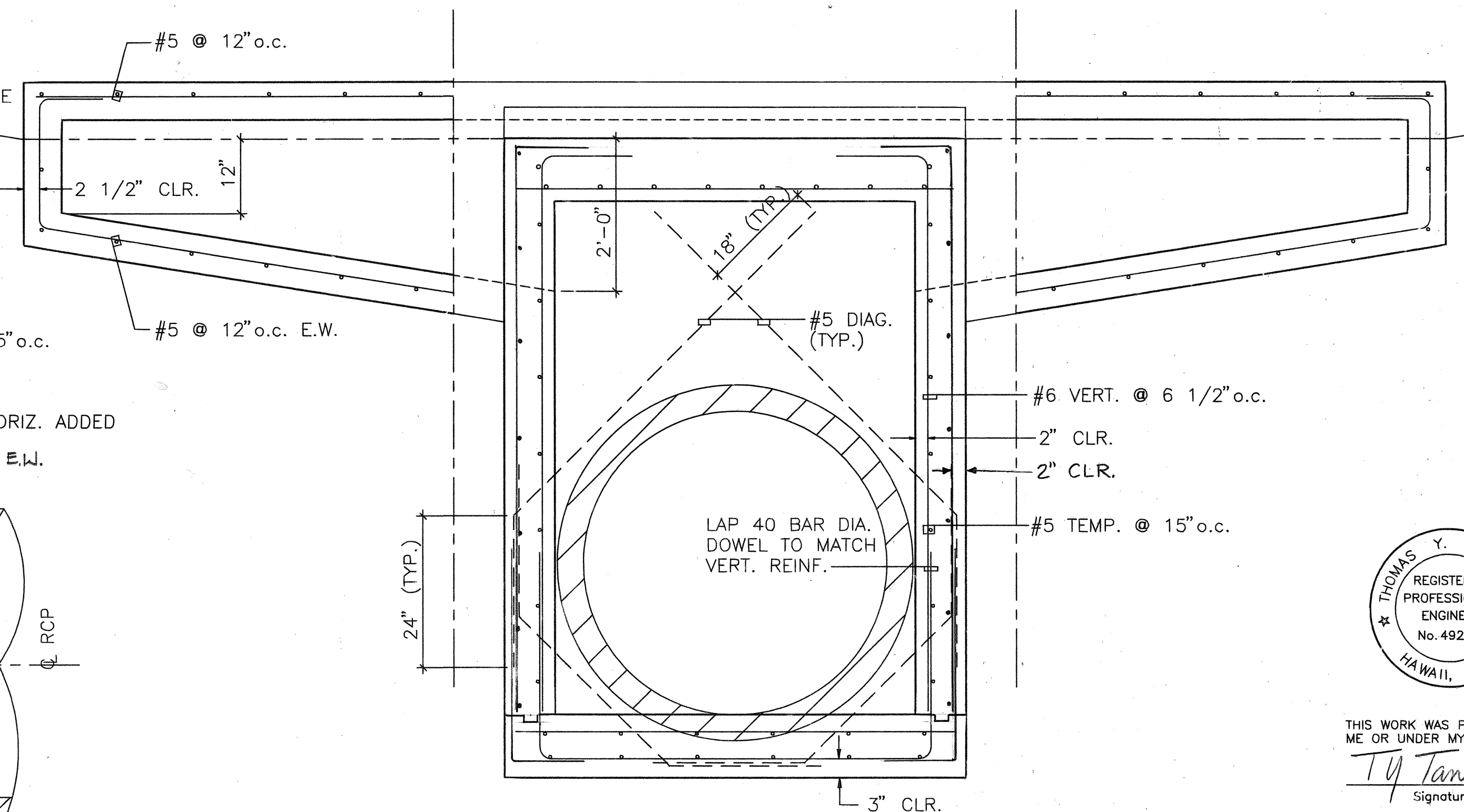
DETAIL 'C-C'
SC: 1 1/2" = 1'-0"



SECTION 'D-D'



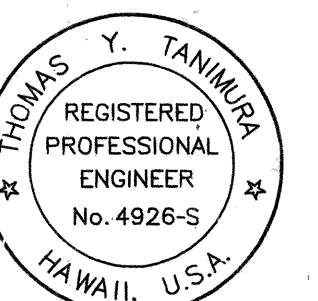
SECTION 'A-A'



SECTION 'E-E'

SPECIAL CATCH BASIN (P-INT 2) DETAIL
SC: 3/4" = 1'-0"

APPROVED: M. F. [Signature] 9/9/91
DATE: 9/9/91
CHIEF, DIVISION OF ENGINEERING DPN



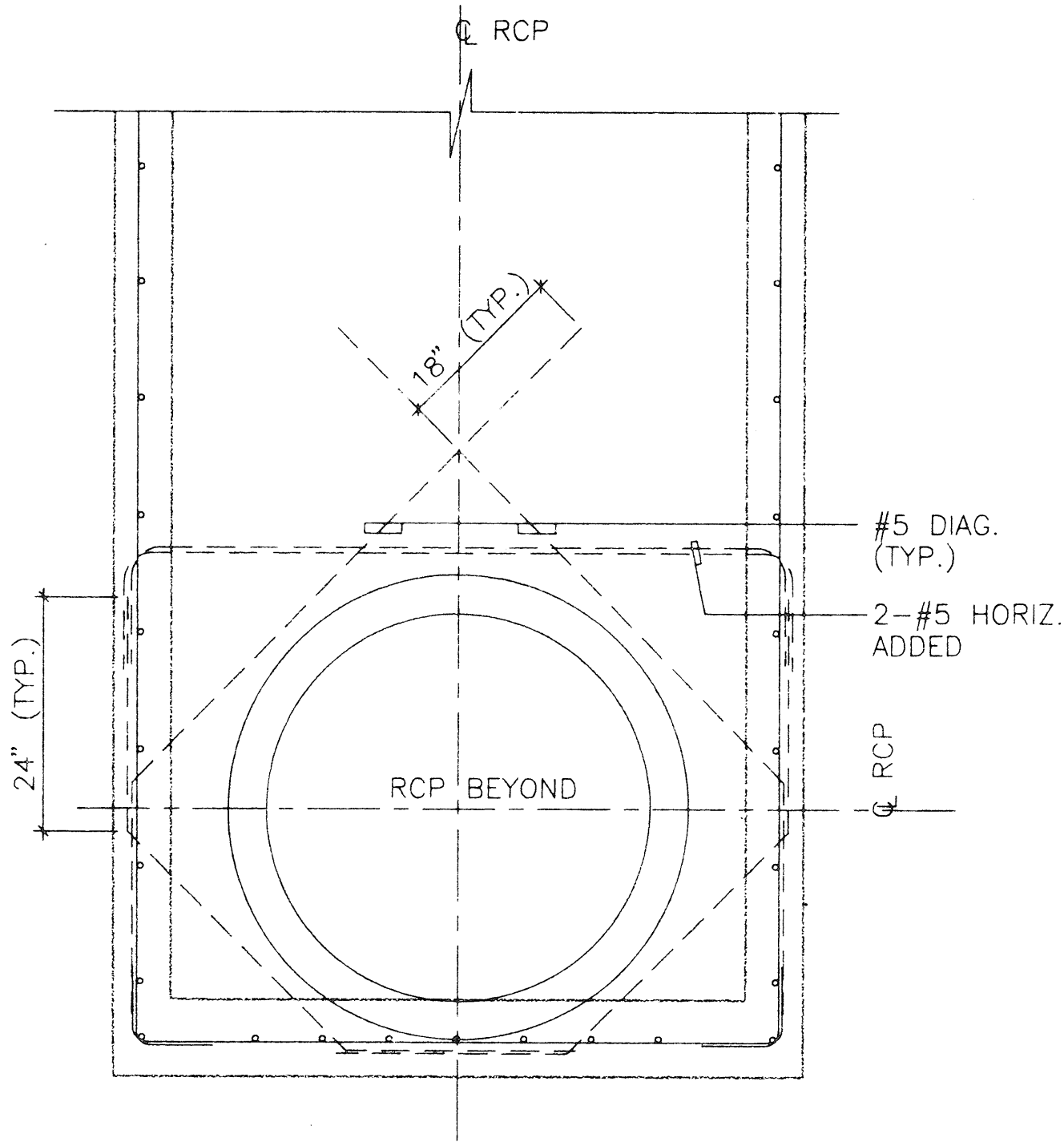
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
T. Y. Tanimura
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DRAINAGE DETAILS
INTERSTATE ROUTE H-1
PAIWA STREET INTERCHANGE
PROJECT NO. HIC-01-90
SCALE AS NOTED
DATE: AUG., 1991
SHEET No. 2 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIC-01-90	1991	42	109

REINFORCED CONCRETE NOTES

- ALL CONCRETE SHALL BE CLASS A, CONFORMING TO HAWAII STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (1985).
- ALL REINFORCING STEEL EXCEPT TIES, AND STIRRUPS SHALL CONFORM TO ASTM A615 GRADE 60. TIES AND STIRRUPS SHALL CONFORM TO ASTM A615 GRADE 40.
- UNLESS OTHERWISE NOTED, SPLICES, LAPS, DOWEL EXTENSIONS AND EMBEDMENTS SHALL BE 40 BAR DIAMETERS MINIMUM.
- ALL REINFORCING BARS MARKED 'CONT.' OR 'TEMP.' ON THE PLANS SHALL BE LAPPED 40 BAR DIAMETERS MINIMUM.
- STAGGER ALL SPLICES WHERE POSSIBLE.
- REBARS SHALL BE SUPPORTED, BENT AND PLACED AS PER "MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES" ACI 315 (LATEST).
- MINIMUM COVER IN INCHES FOR REBARS FOR CAST-IN-PLACE CONCRETE:
CONCRETE CAST AGAINST EARTH.....3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER.....2"
- AT TIME CONCRETE IS PLACED, REINFORCING SHALL BE FREE FROM MUD, OIL, LAITANCE OR OTHER COATINGS ADVERSELY AFFECTING BOND CAPACITY.
- REINFORCEMENT, ANCHOR BOLTS, DOWELS AND ALL OTHER EMBEDDED ITEMS SHALL BE POSITIVELY SECURED BEFORE POURING.



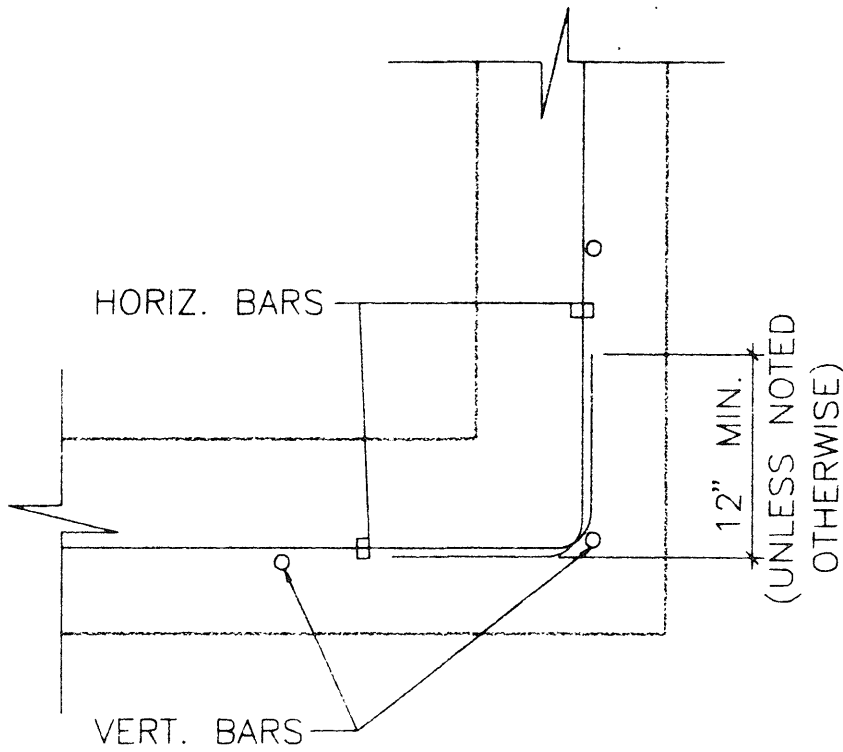
SECTION

TYP. REINFORCEMENT AT PIPES

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

A

S-1



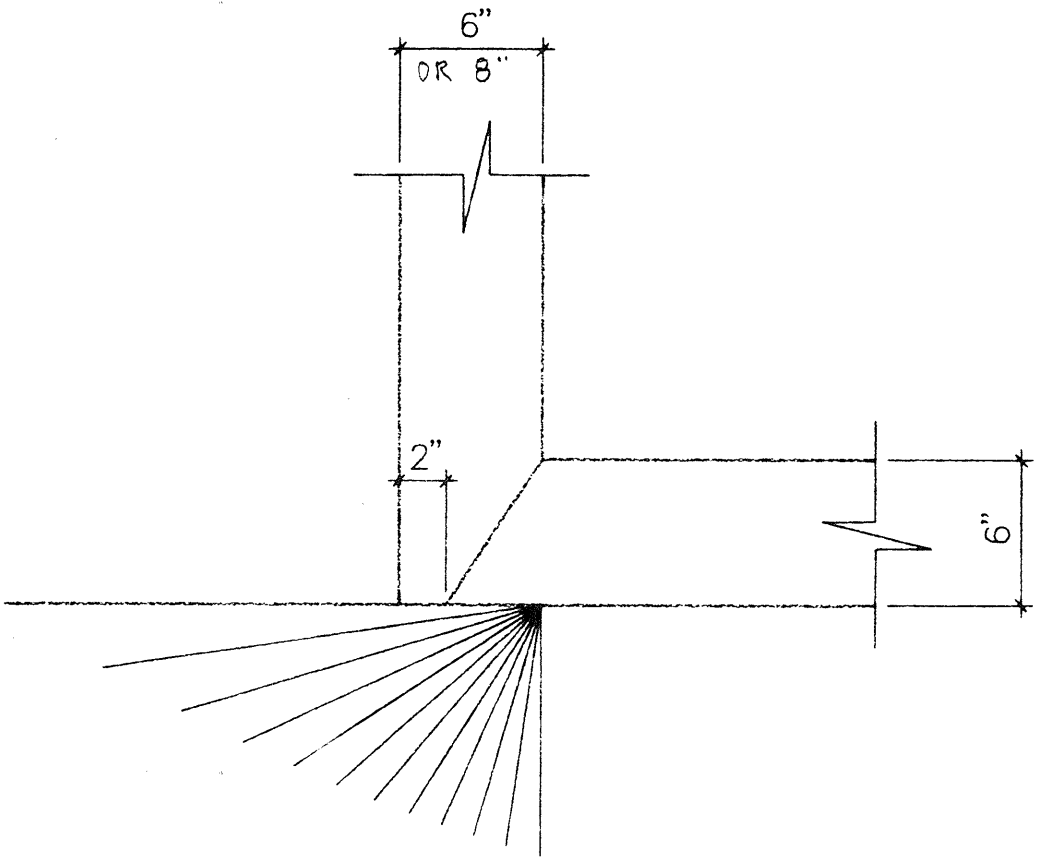
PLAN

TYP. CORNER REINFORCEMENT LAPPING

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

B

S-1



PLAN

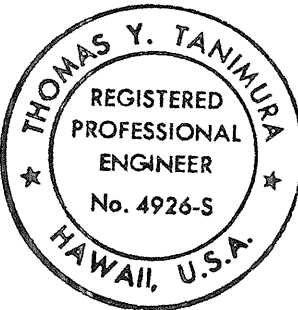
DETAIL

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

C

S-1

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
NO.	



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

Thomas Y. Taniguchi

Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

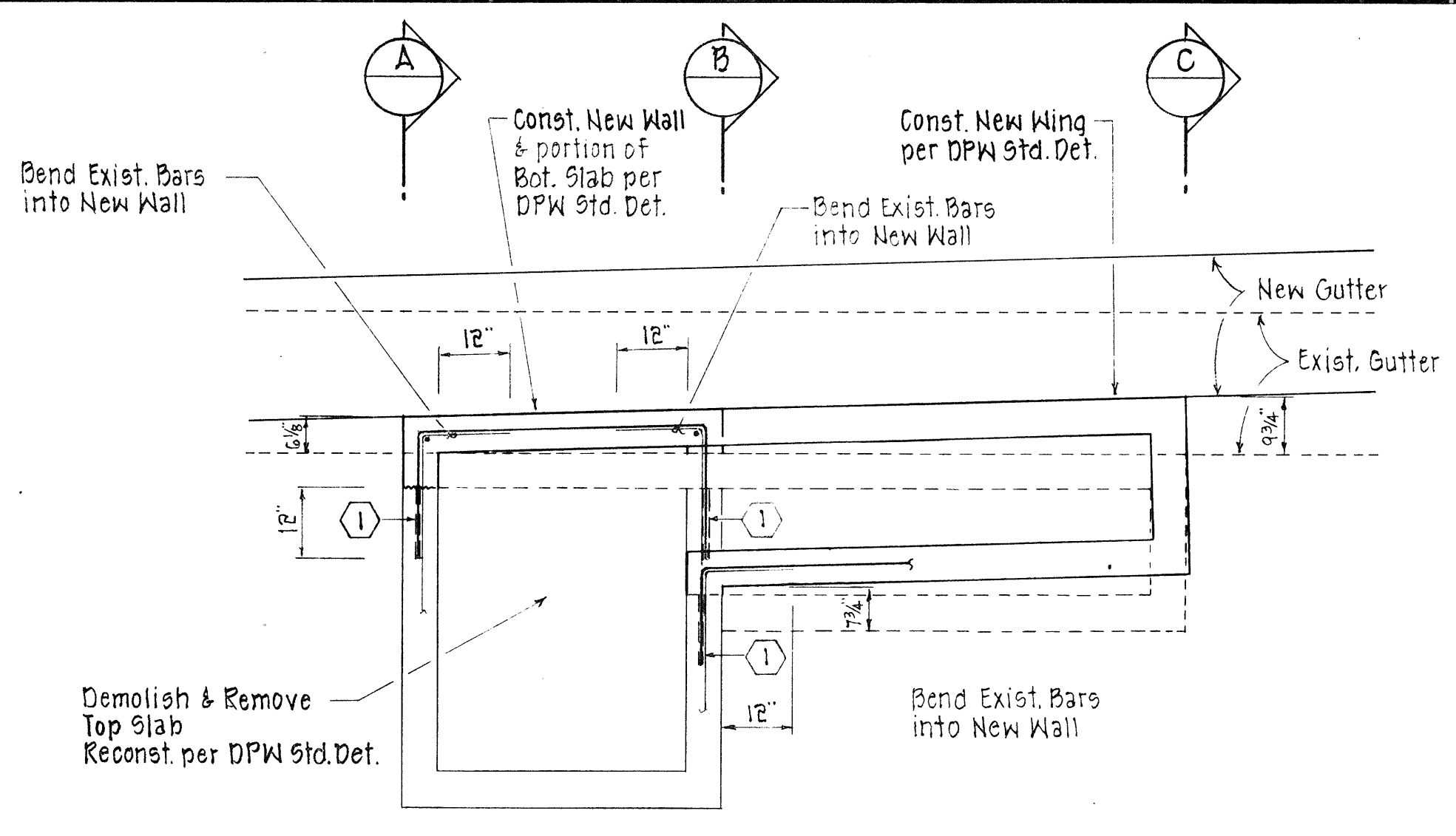
INTERSTATE ROUTE H-1
PAIWA STREET INTERCHANGE
PROJECT NO. HIC-01-90

SCALE AS NOTED

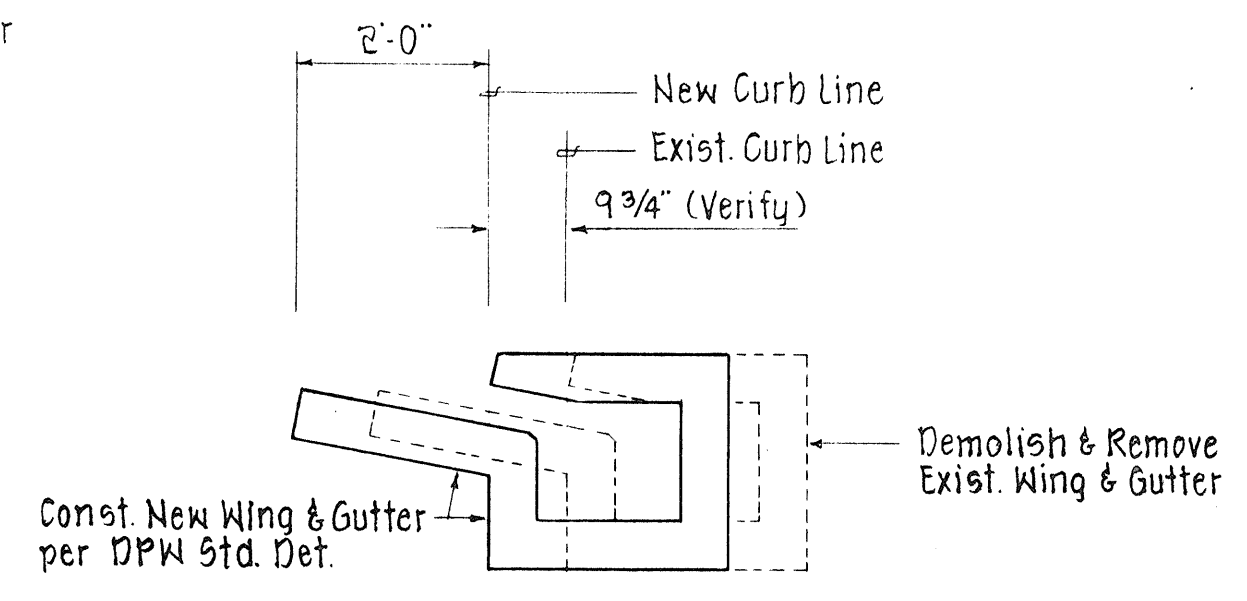
DATE: AUG., 1991

SHEET No. 3 OF 6 SHEETS

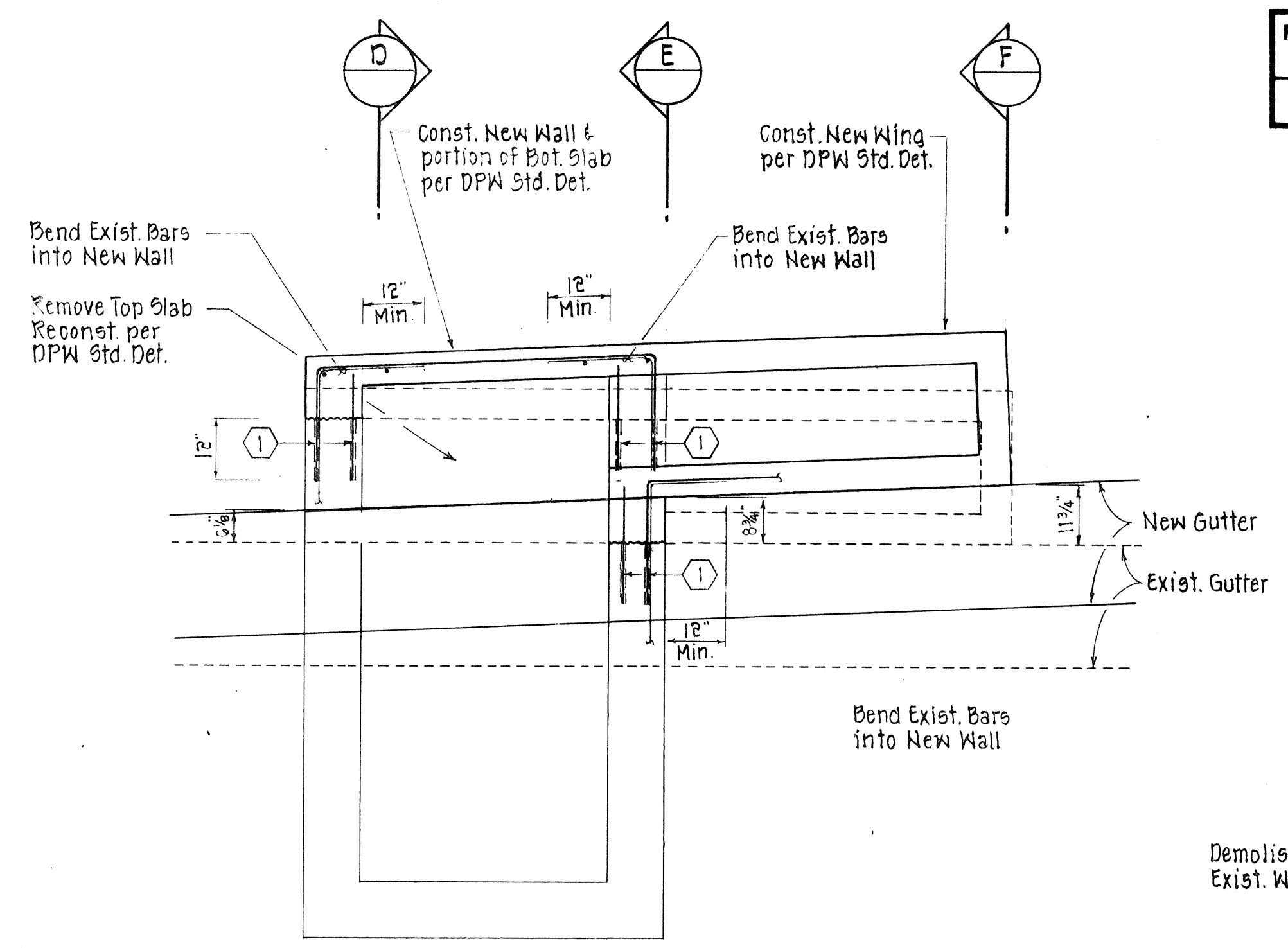
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIC-01-90	1991	42 S-1	109



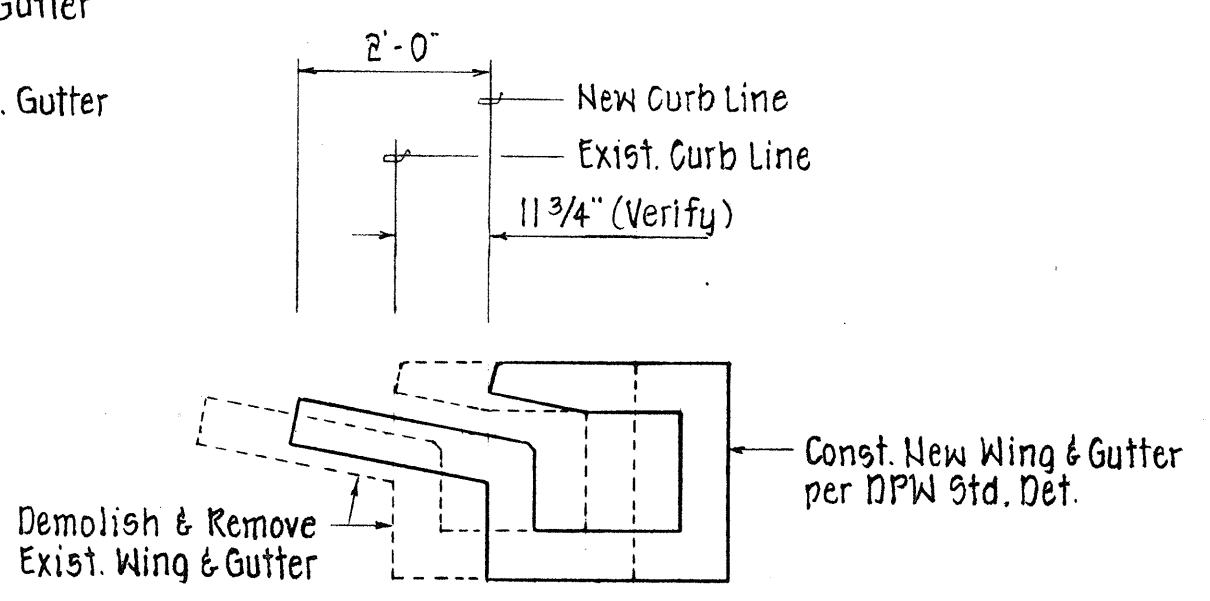
PLAN



SECTION C

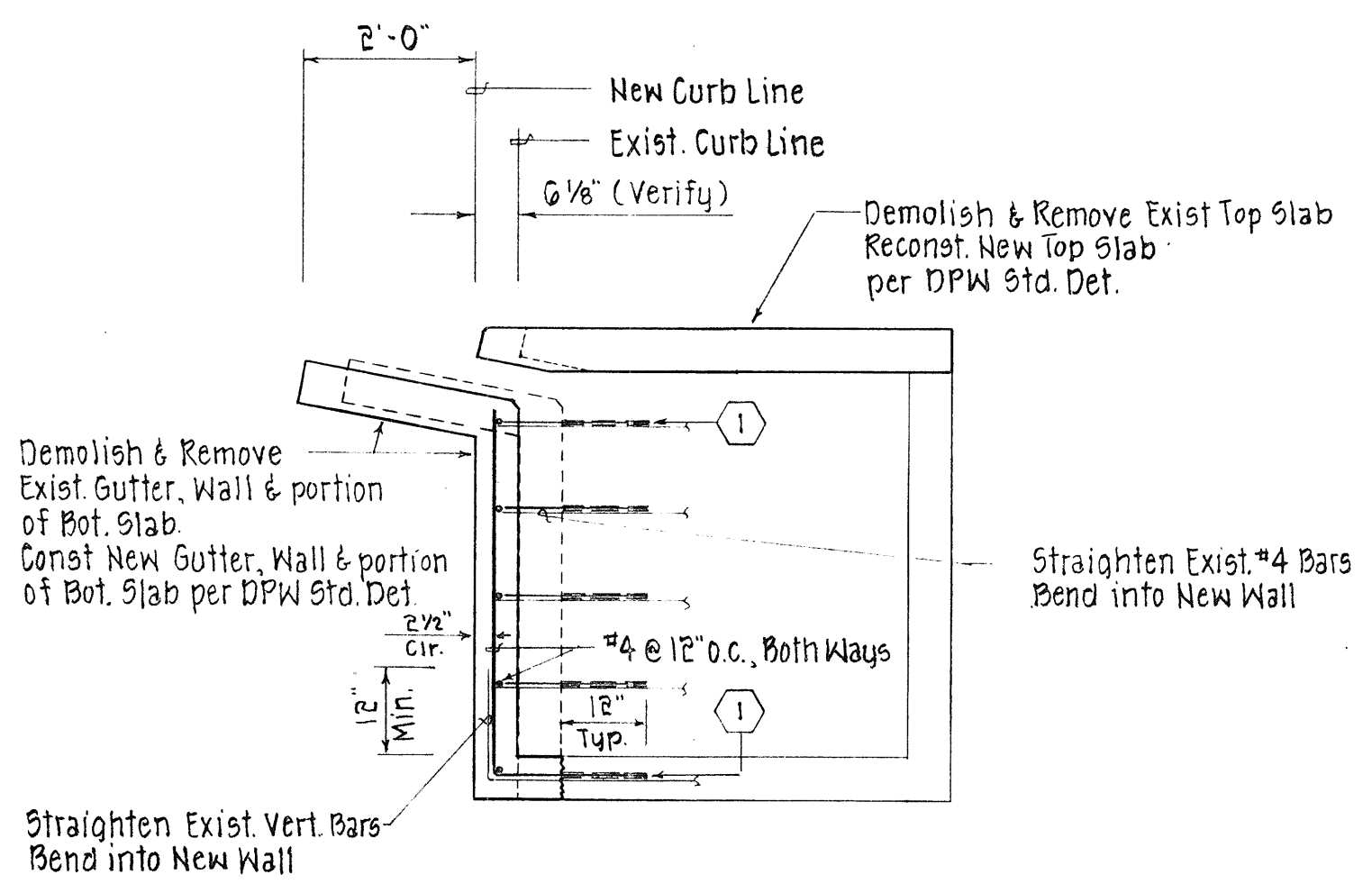


PLAN

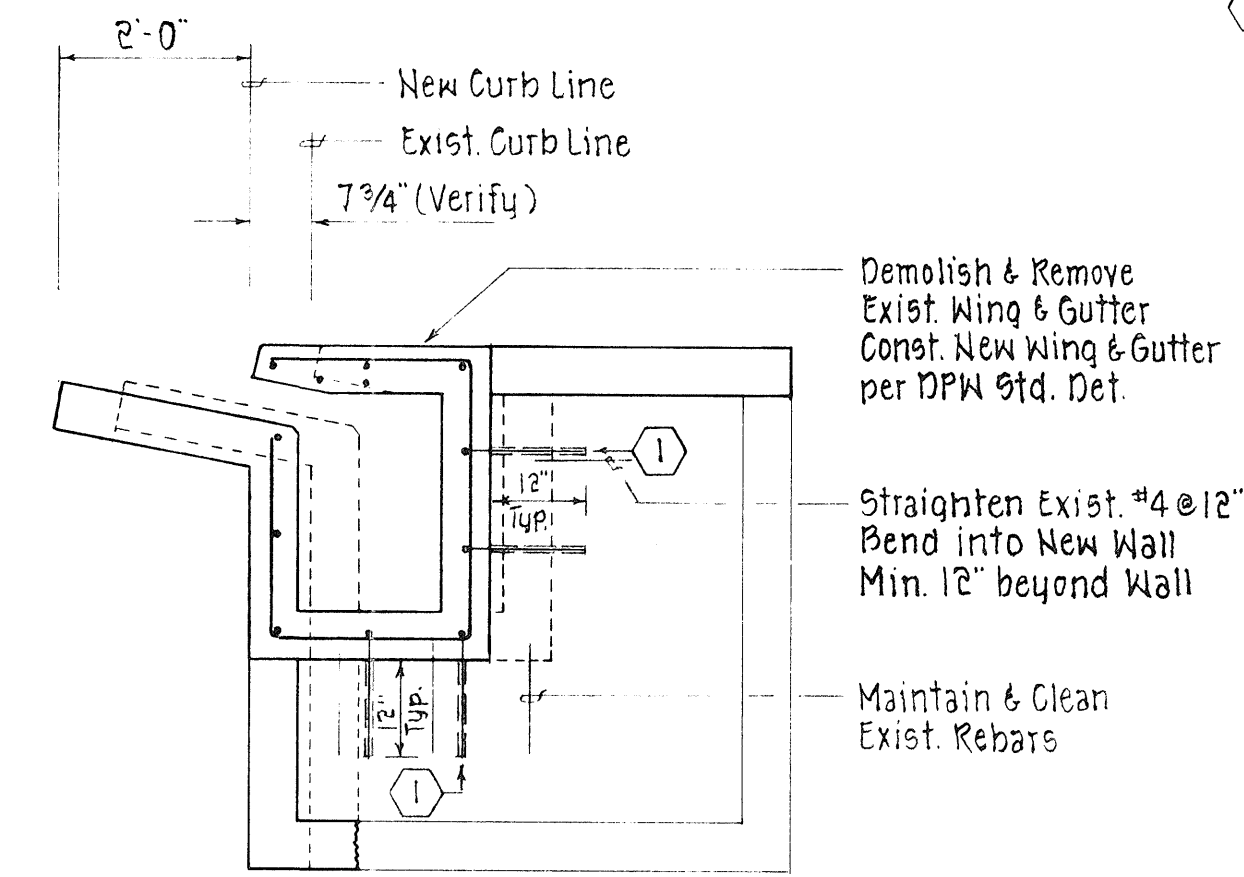


SECTION F

- ① Core 3/4" hole into exist. wall Embed #4 rebar 12" into wall & fill with non-shrink grout.
- ② Core 7/8" hole into exist. top slab, embed #5 @ 8" rebar 12" into top slab & fill with non-shrink grout.

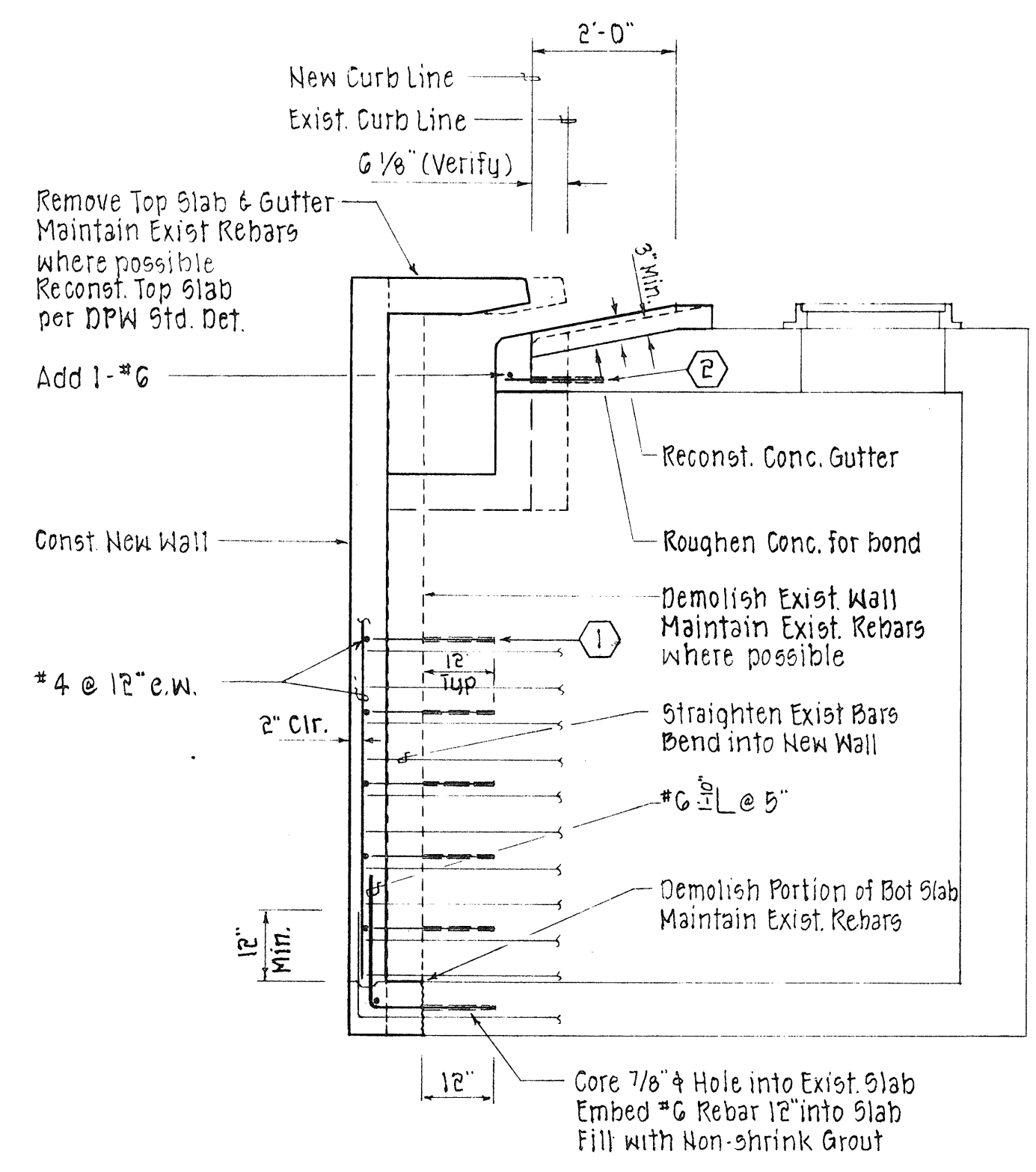


SECTION A



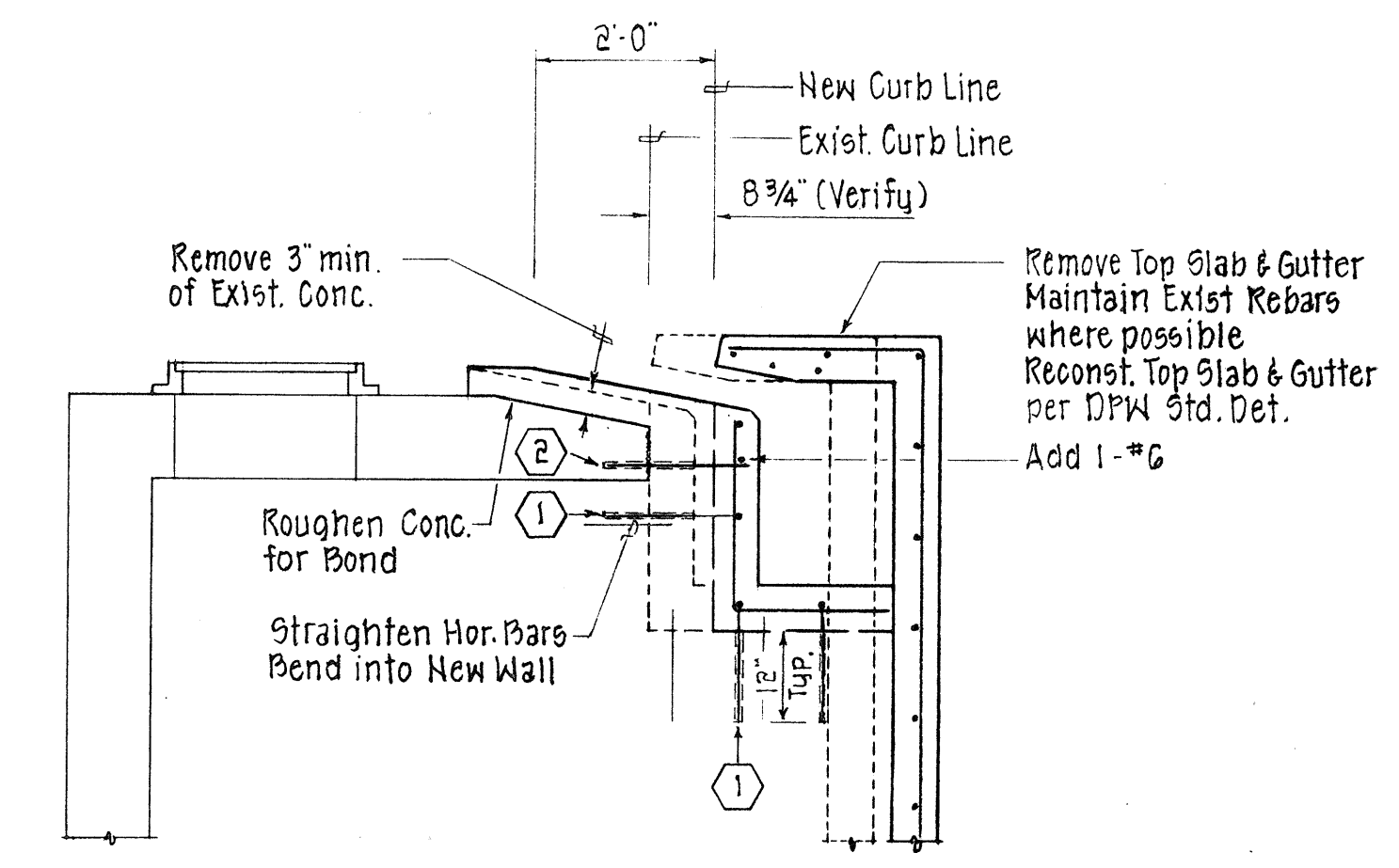
SECTION B

MODIFY EXIST. TYPE "A" CB @ STA. 40+62 PAIWA ST.



SECTION D

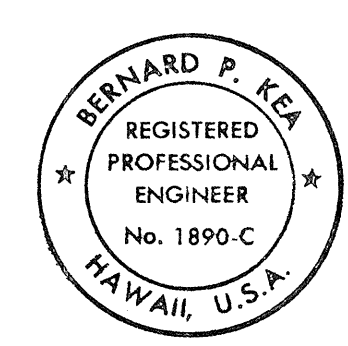
MODIFY EXIST. CB @ STA. 40+50 PAIWA ST.



SECTION E

APPROVED:
 M. J. [Signature] 3/24/92
 CHIEF, DIVISION OF ENGINEERING, DPW
 (FOR CONSTRUCTION WITHIN CITY R/W ONLY) HK

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
3-2-92	ADDED THIS SHEET	C.F.I.	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
 [Signature]
 Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

INTERSTATE ROUTE H-1
PAIWA STREET INTERCHANGE
PROJECT NO. HIC-01-90

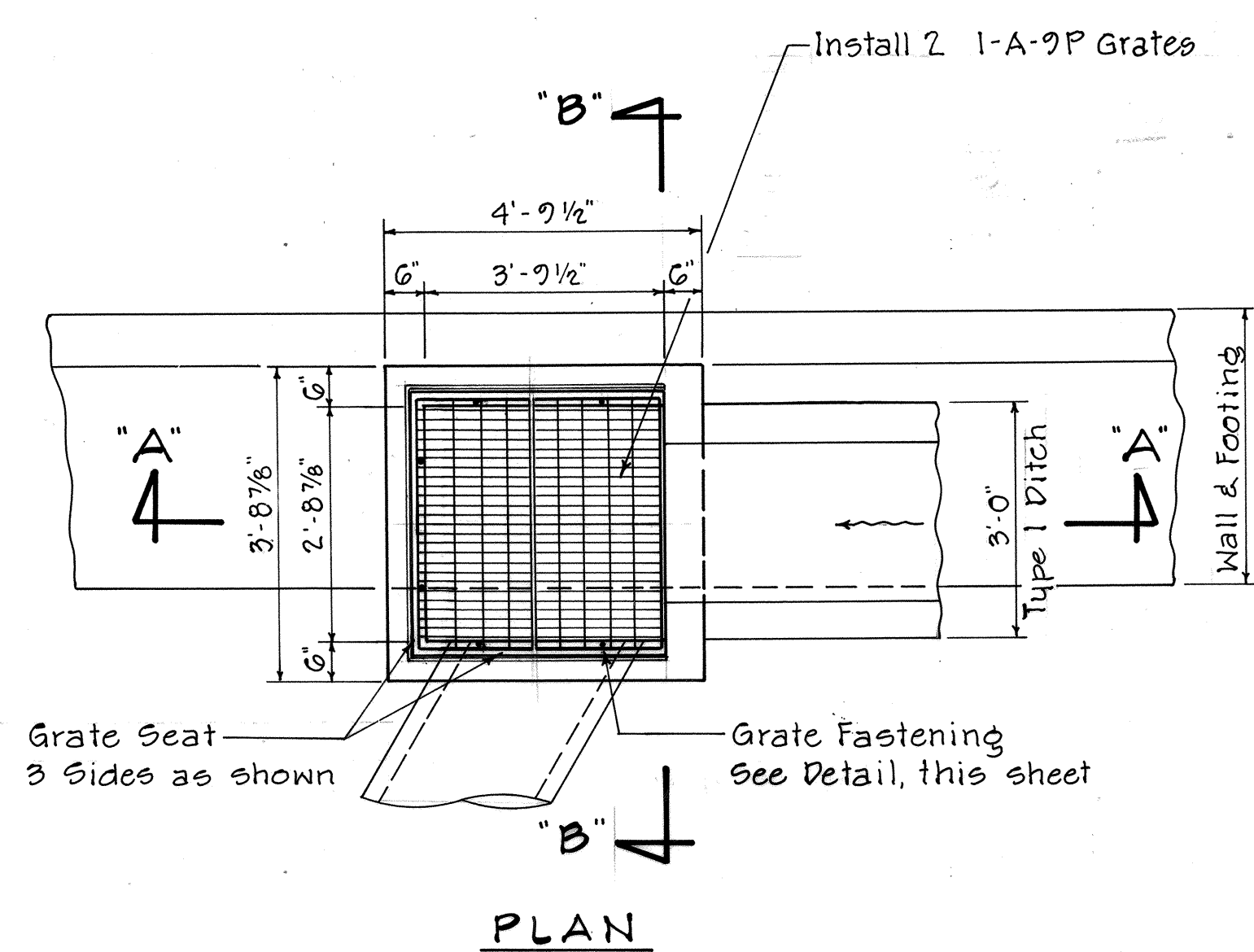
SCALE: 1/2" = 1'-0" DATE: AUG. 1991

SHEET NO. 3A OF 6 SHEETS

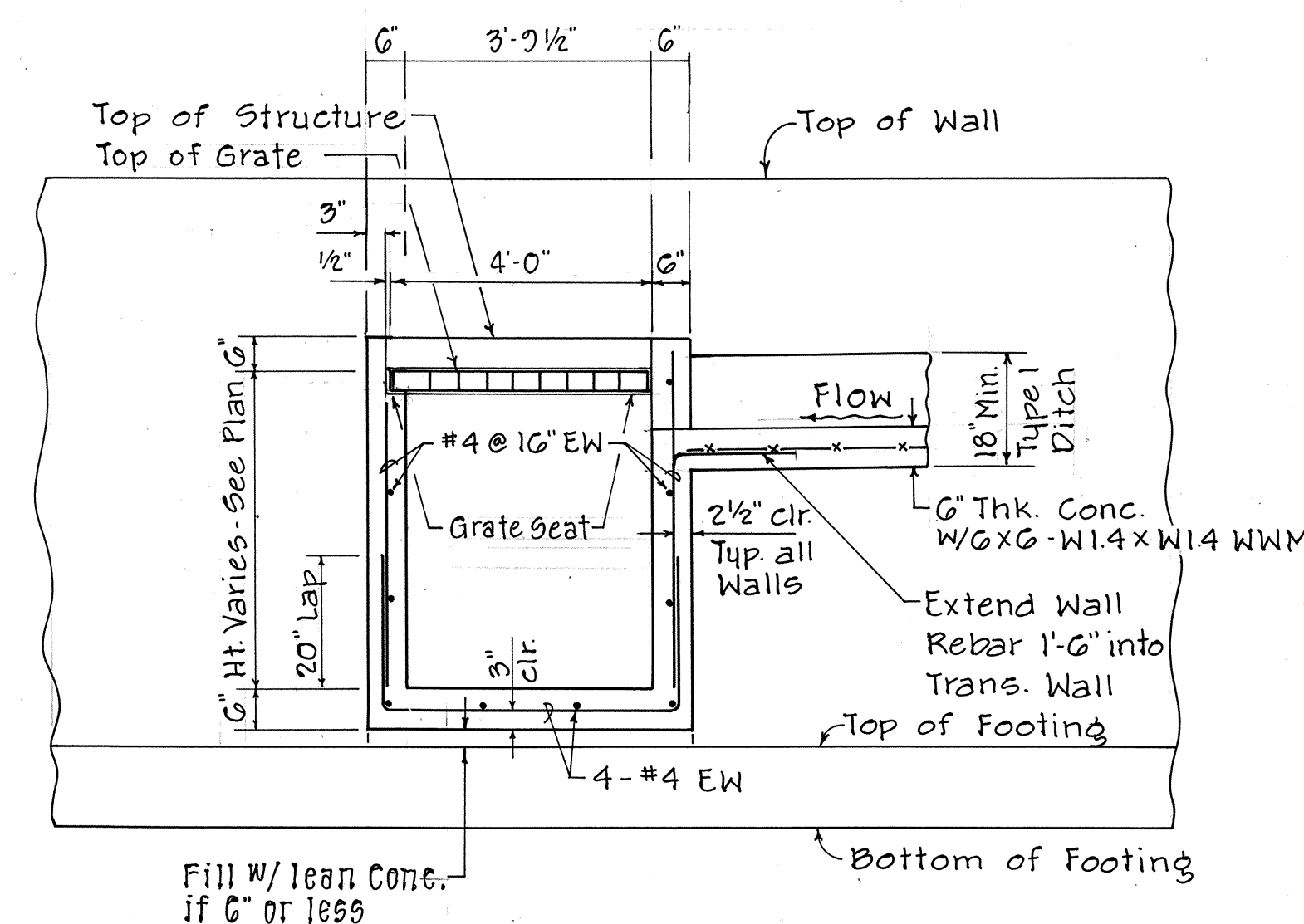
42 S-1

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
QUANTITIES BY	
NOTES BY	
ORIGINAL PLAN	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIC-01-90	1991	43	109

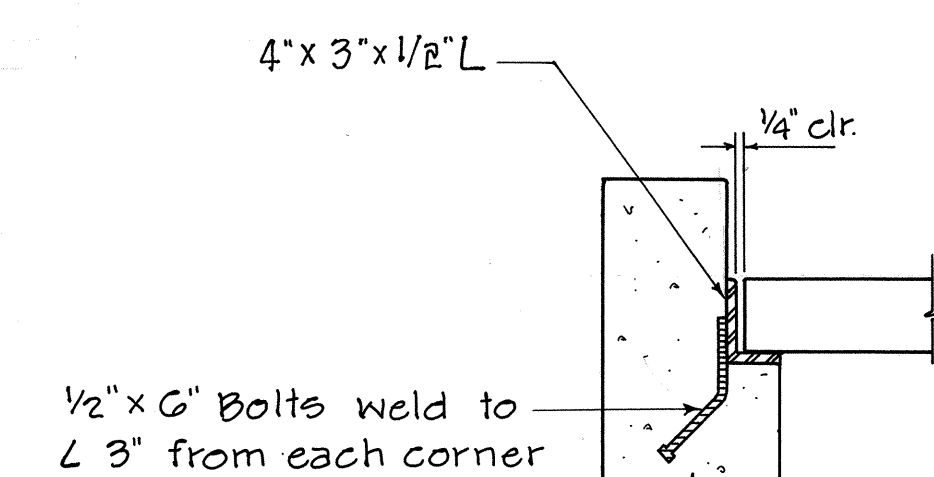


PLAN

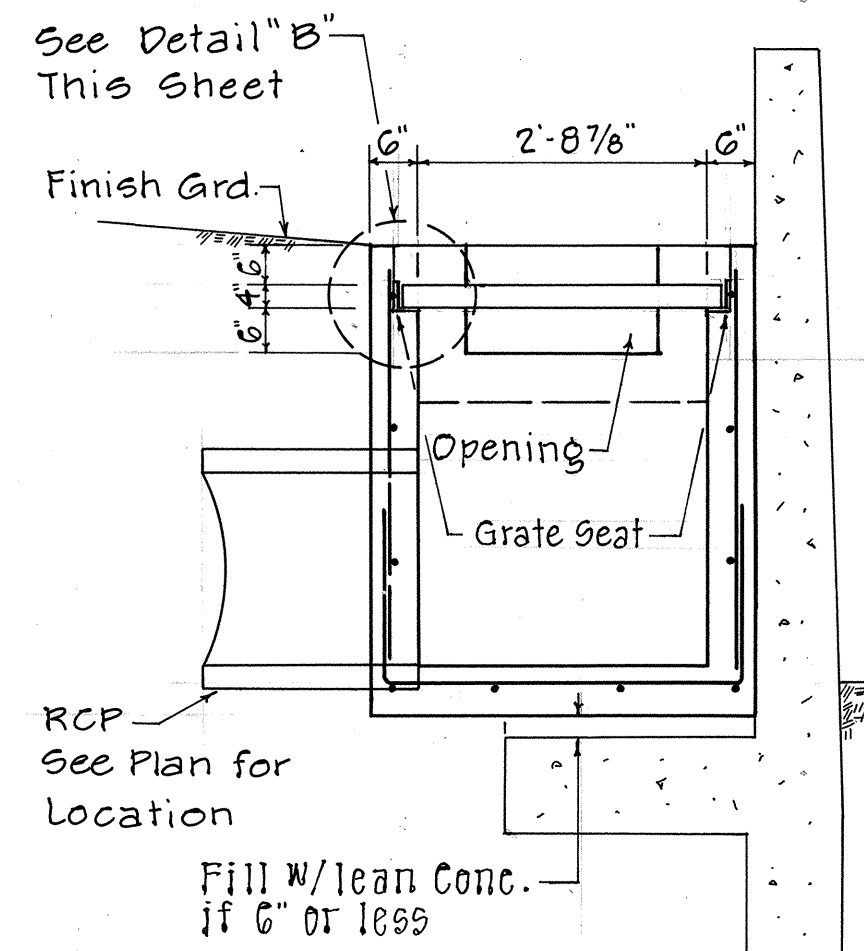
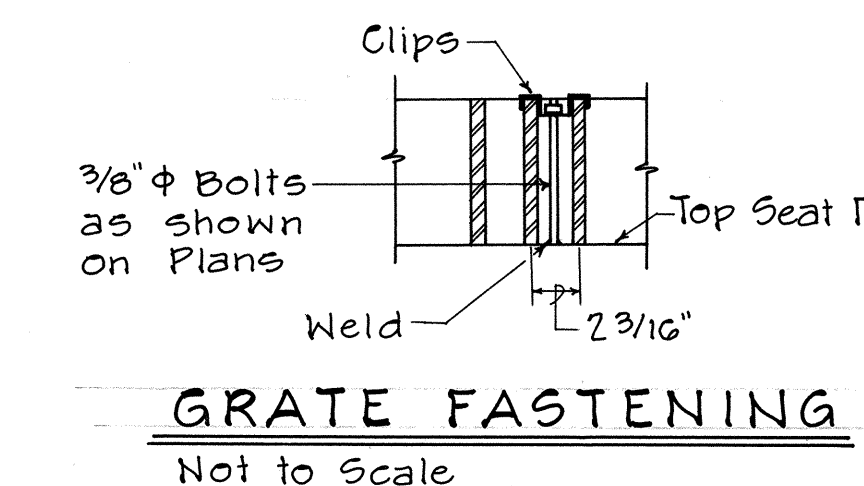


SECTION "A-A"

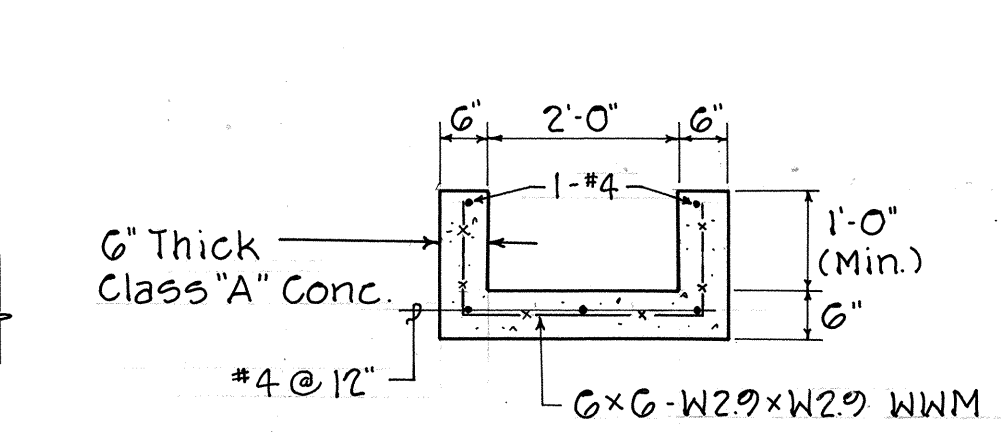
GRADED INLETS - "A-4", "B-3", "C-2a" & "C-5"
Not to Scale



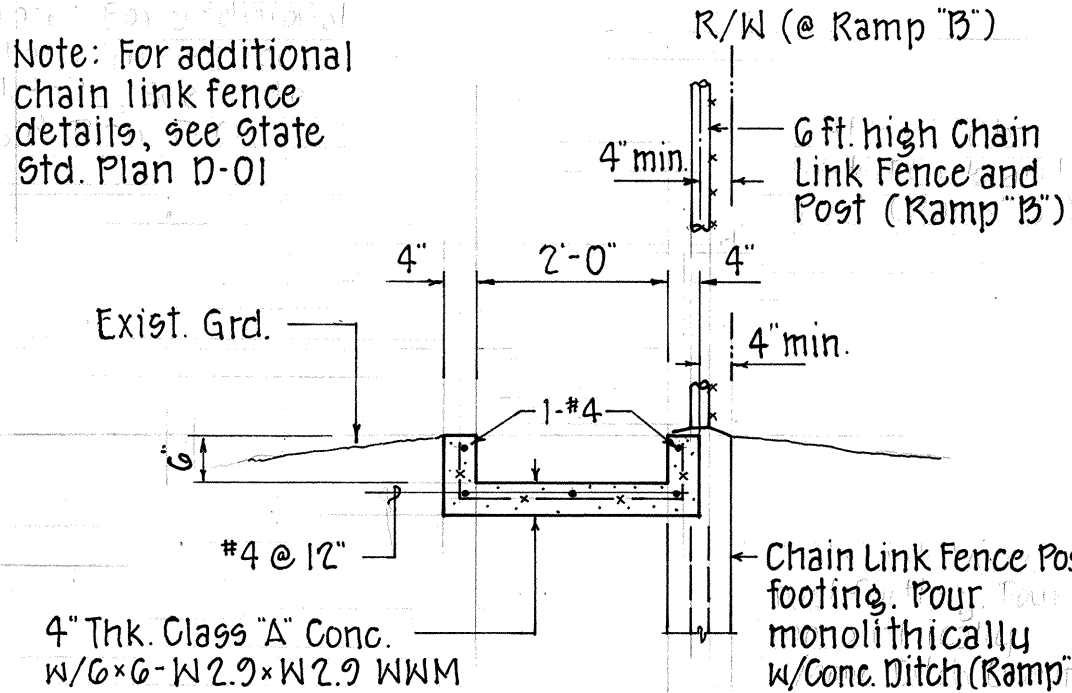
DETAIL "B"
Not to Scale



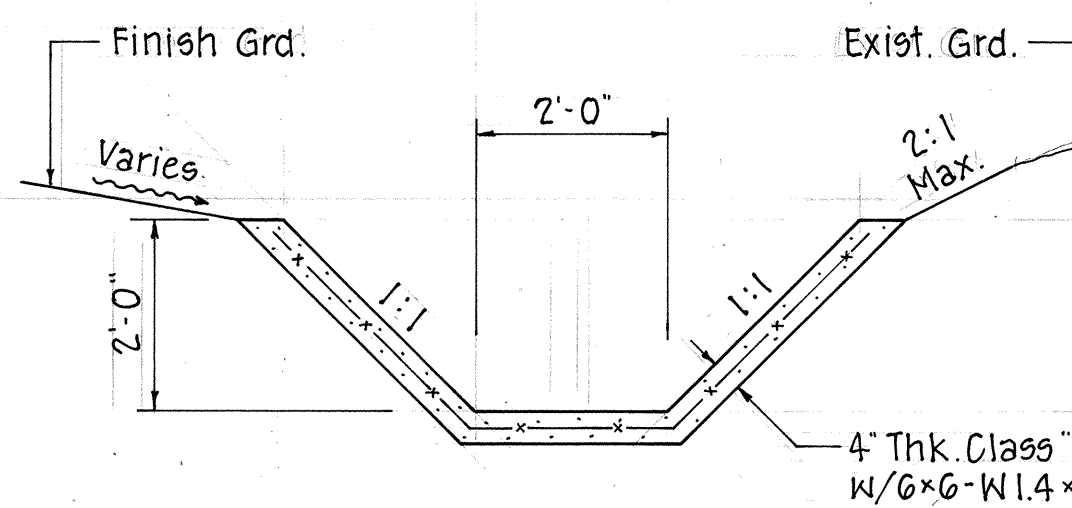
SECTION "B-B"



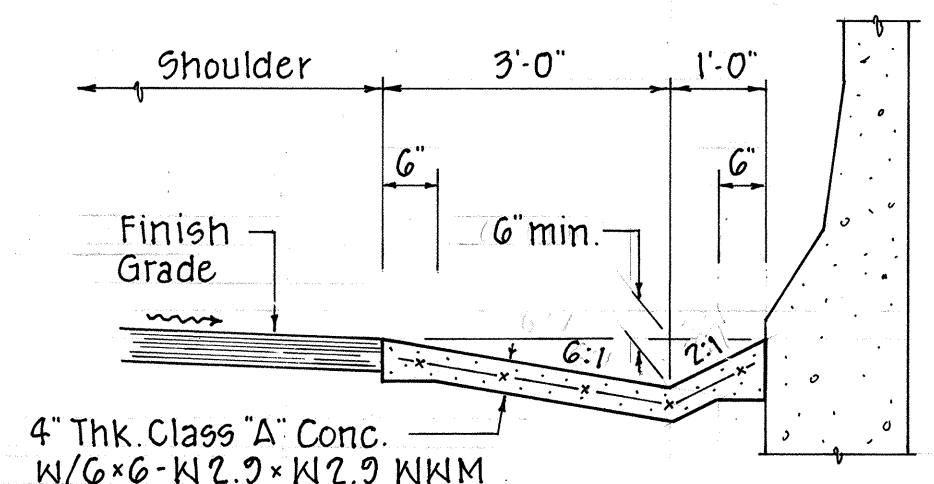
DETAIL
CONC. DITCH TYPE 1
Scale: 1/2" = 1'-0"



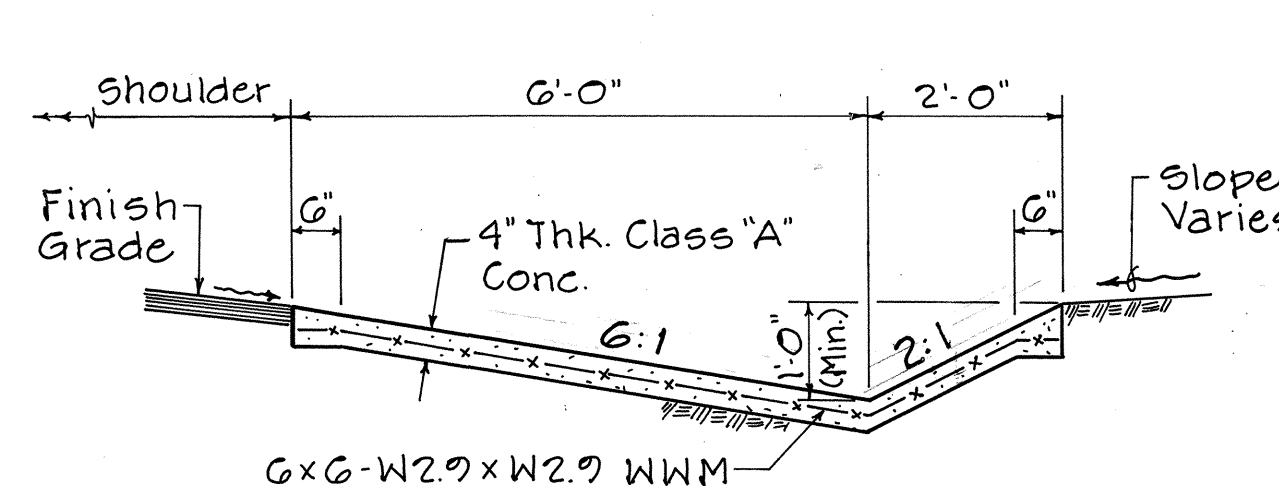
DETAIL - CONC. DITCH TYPE 2
Scale: 1/2" = 1'-0"



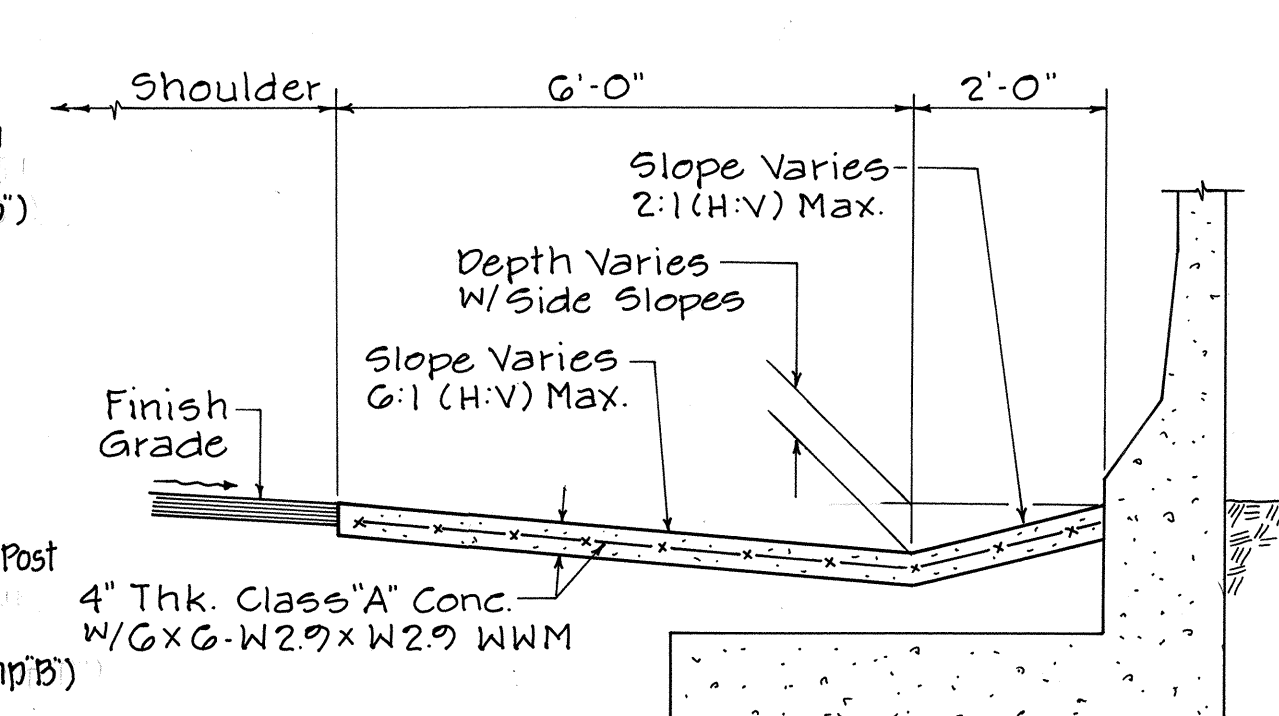
DETAIL - CONC. DITCH TYPE 3
Scale: 1/2" = 1'-0"



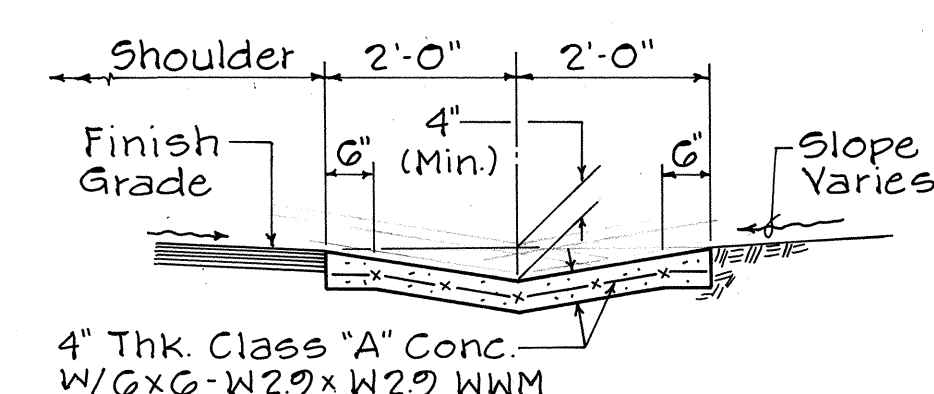
DETAIL
CONC. GUTTER TYPE 3 (G1214)
Scale: 1/2" = 1'-0"



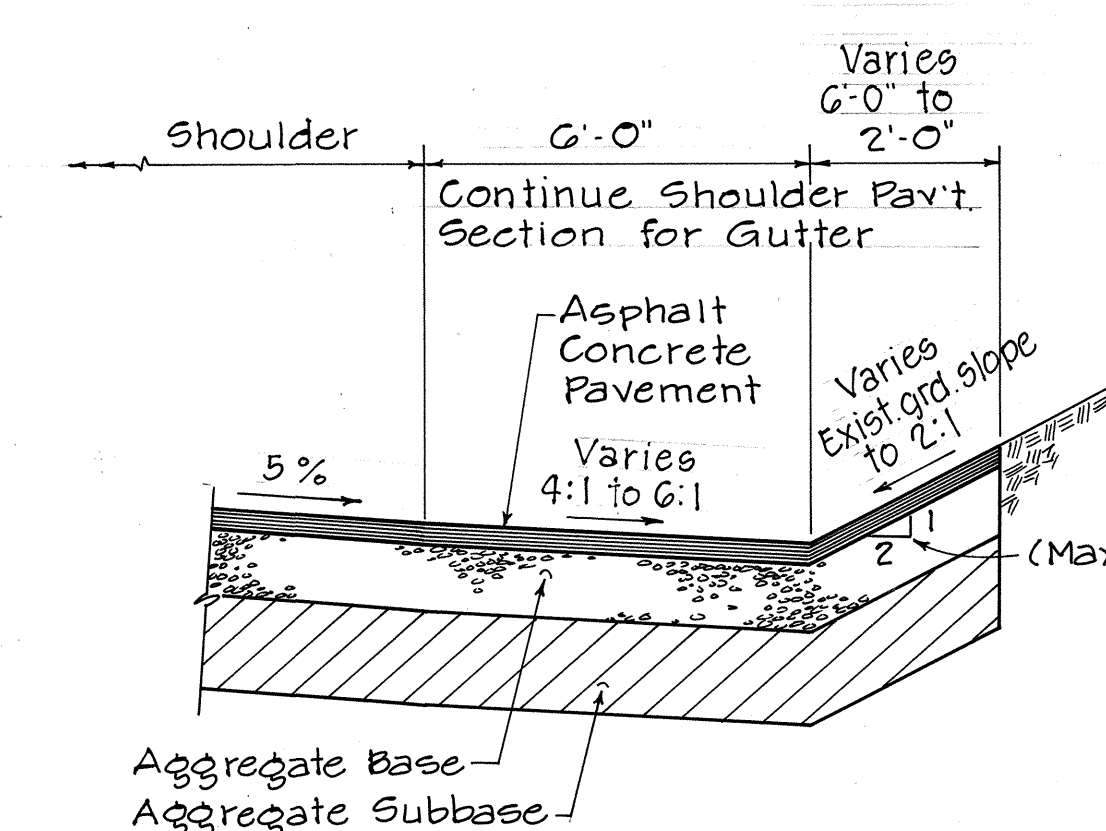
DETAIL - CONC. GUTTER TYPE 1 (G1218)
Scale: 1/2" = 1'-0"



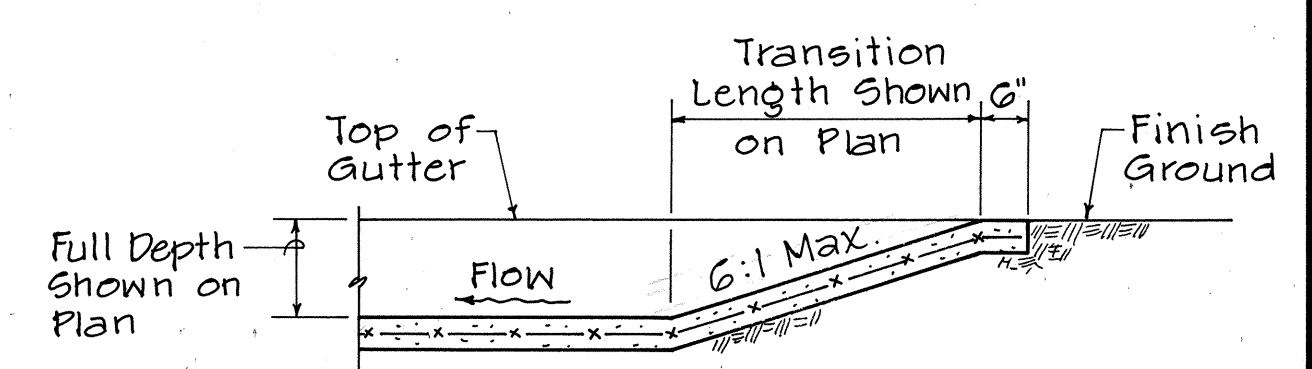
DETAIL - CONC. GUTTER TYPE 1a
Scale: 1/2" = 1'-0"



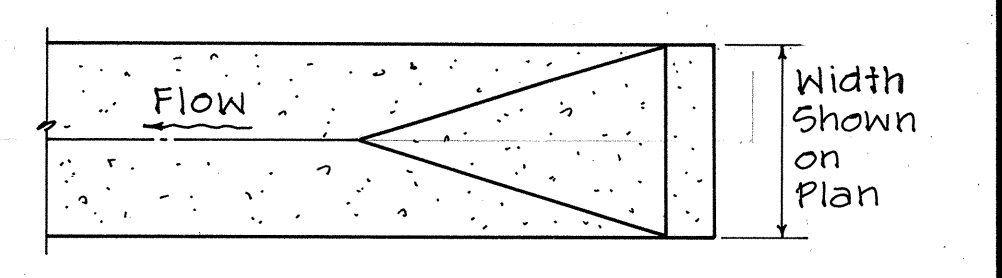
DETAIL
CONC. GUTTER TYPE 2 (G1614)
Scale: 1/2" = 1'-0"



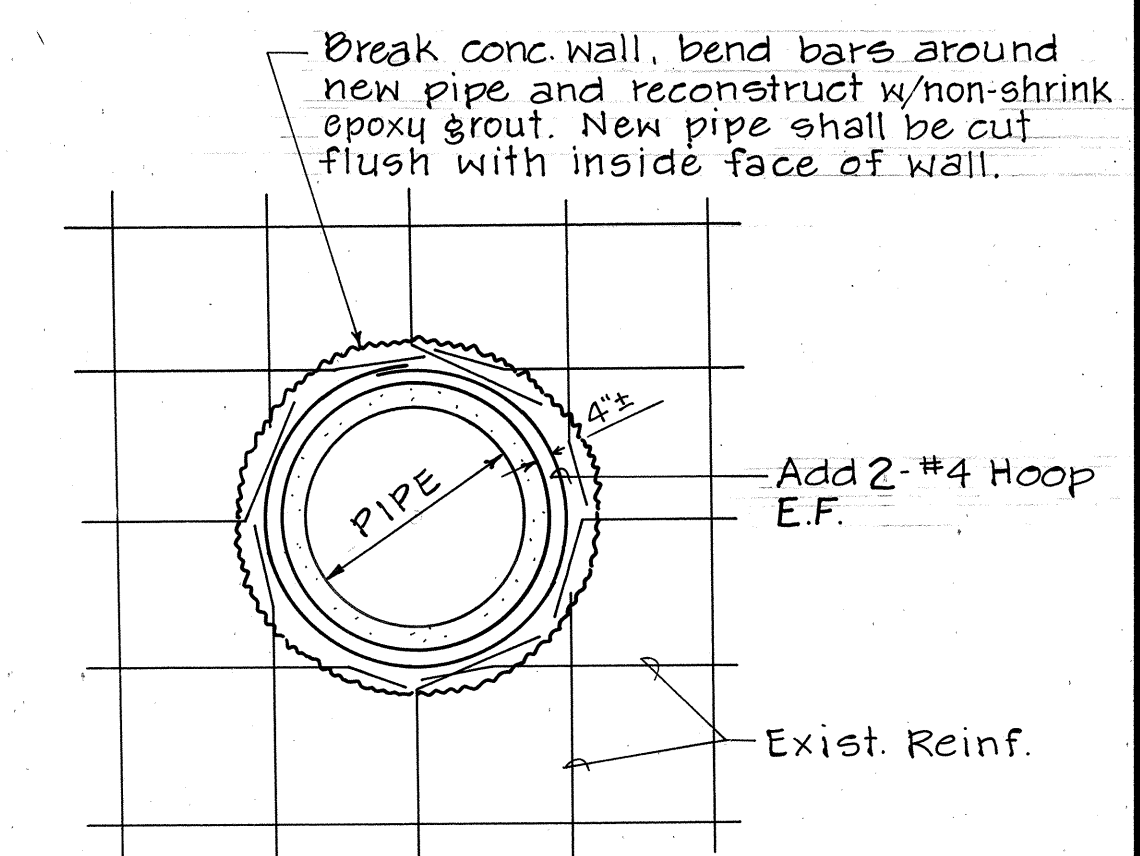
DETAIL - ASPHALT CONCRETE
(A.C.) GUTTER
Scale: 1/2" = 1'-0"



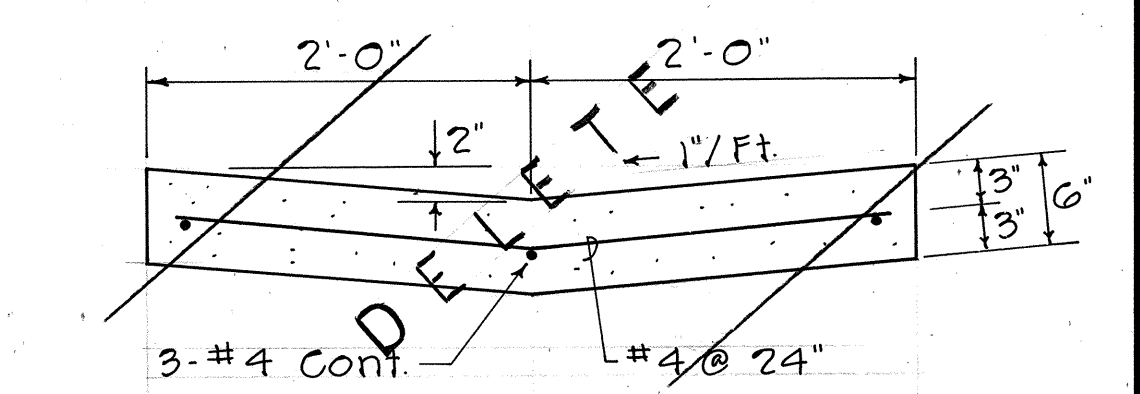
ELEVATION



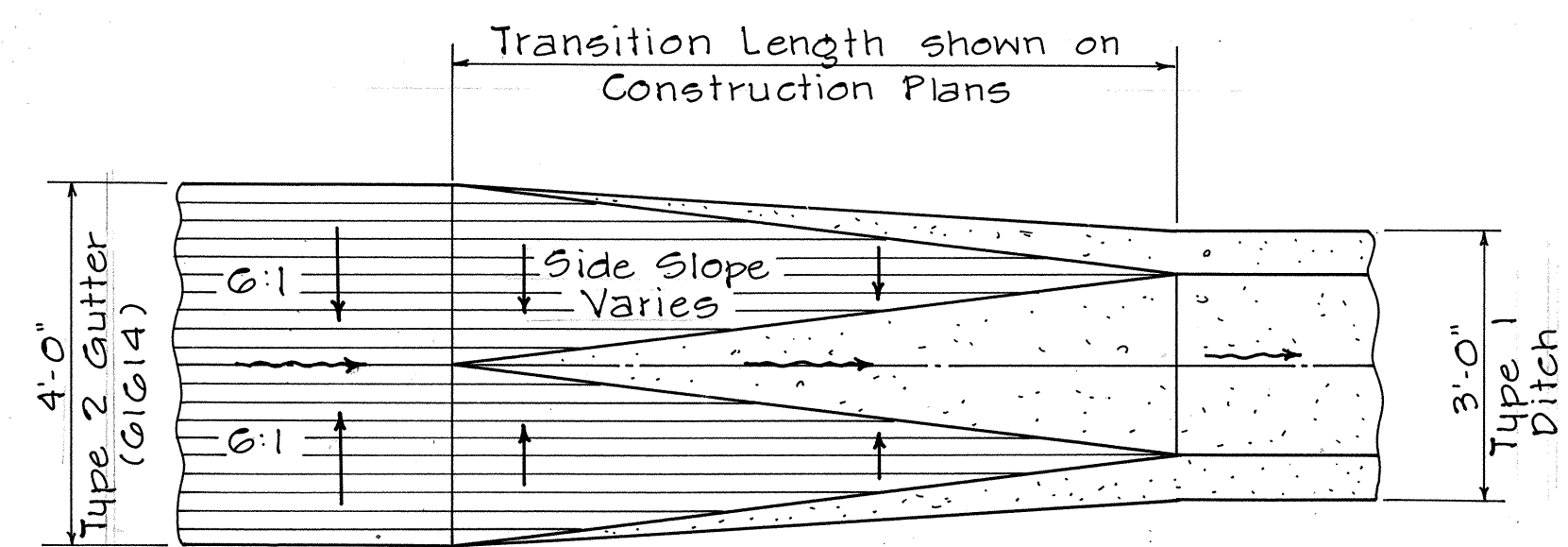
TYPICAL CONCRETE
GUTTER END SECTION
Not to Scale



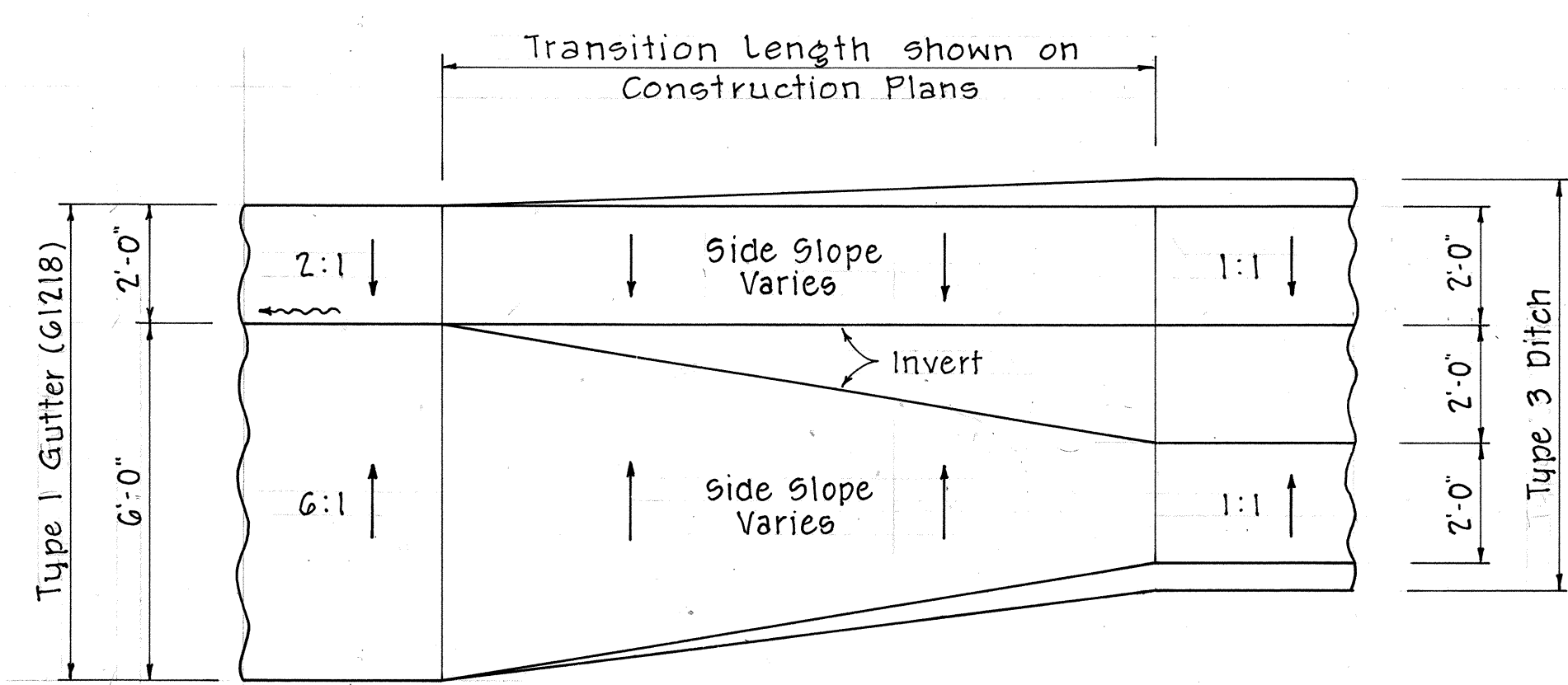
DETAIL
PIPE CONN. TO EXIST. INLET
Not to Scale



DETAIL - CONC THRU GUTTER
Scale: 1" = 1'-0"



DETAIL - TYPE 2 GUTTER TO TYPE 1 DITCH
Scale: 1/2" = 1'-0"



DETAIL - TYPE 3 DITCH TO TYPE 3 GUTTER
Scale: 3/8" = 1'-0"



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

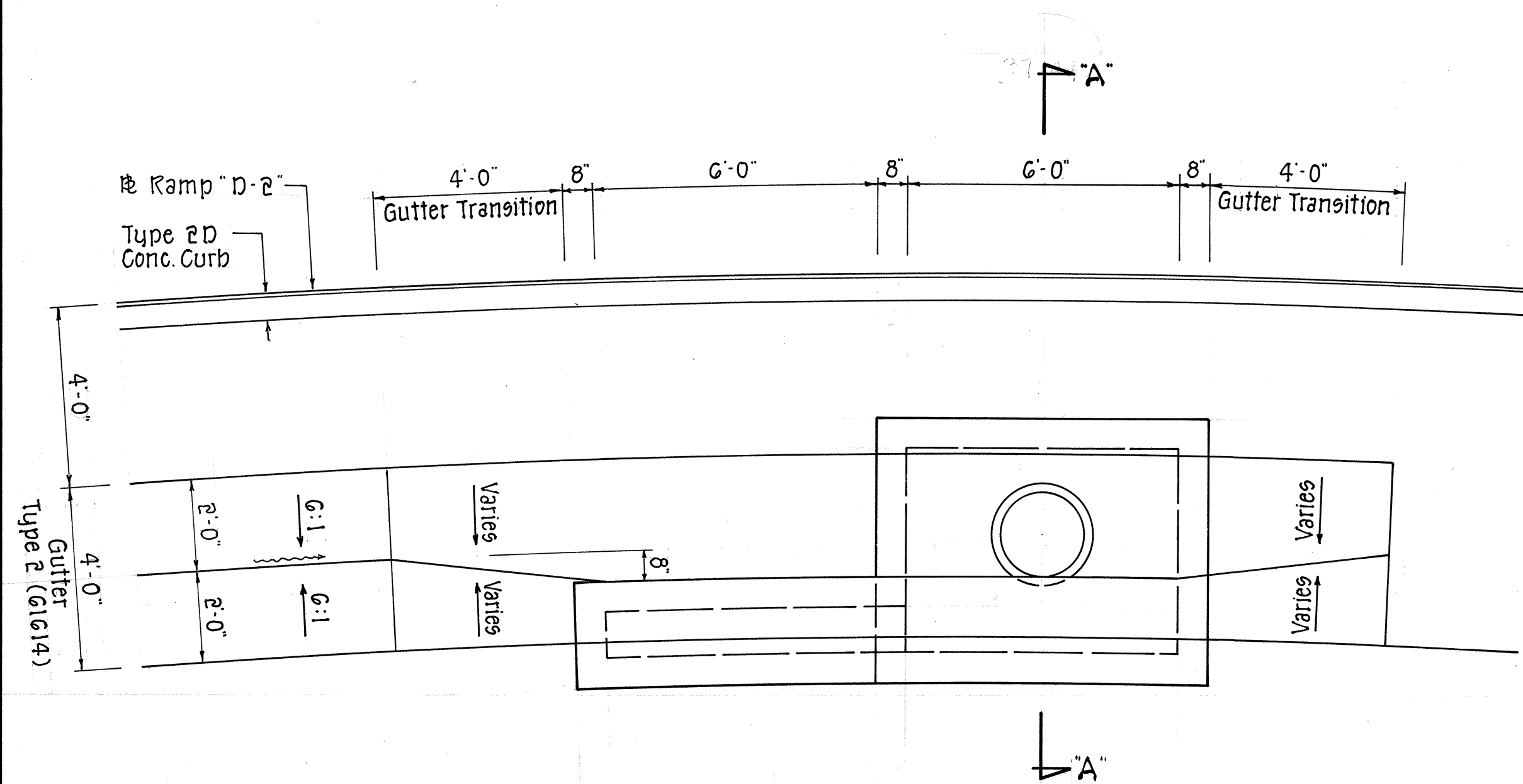
**MISCELLANEOUS
DRAINAGE DETAILS**

INTERSTATE ROUTE H-1
PAIWA STREET INTERCHANGE
PROJECT NO. HIC-01-90

SCALE AS NOTED DATE: AUG., 1991

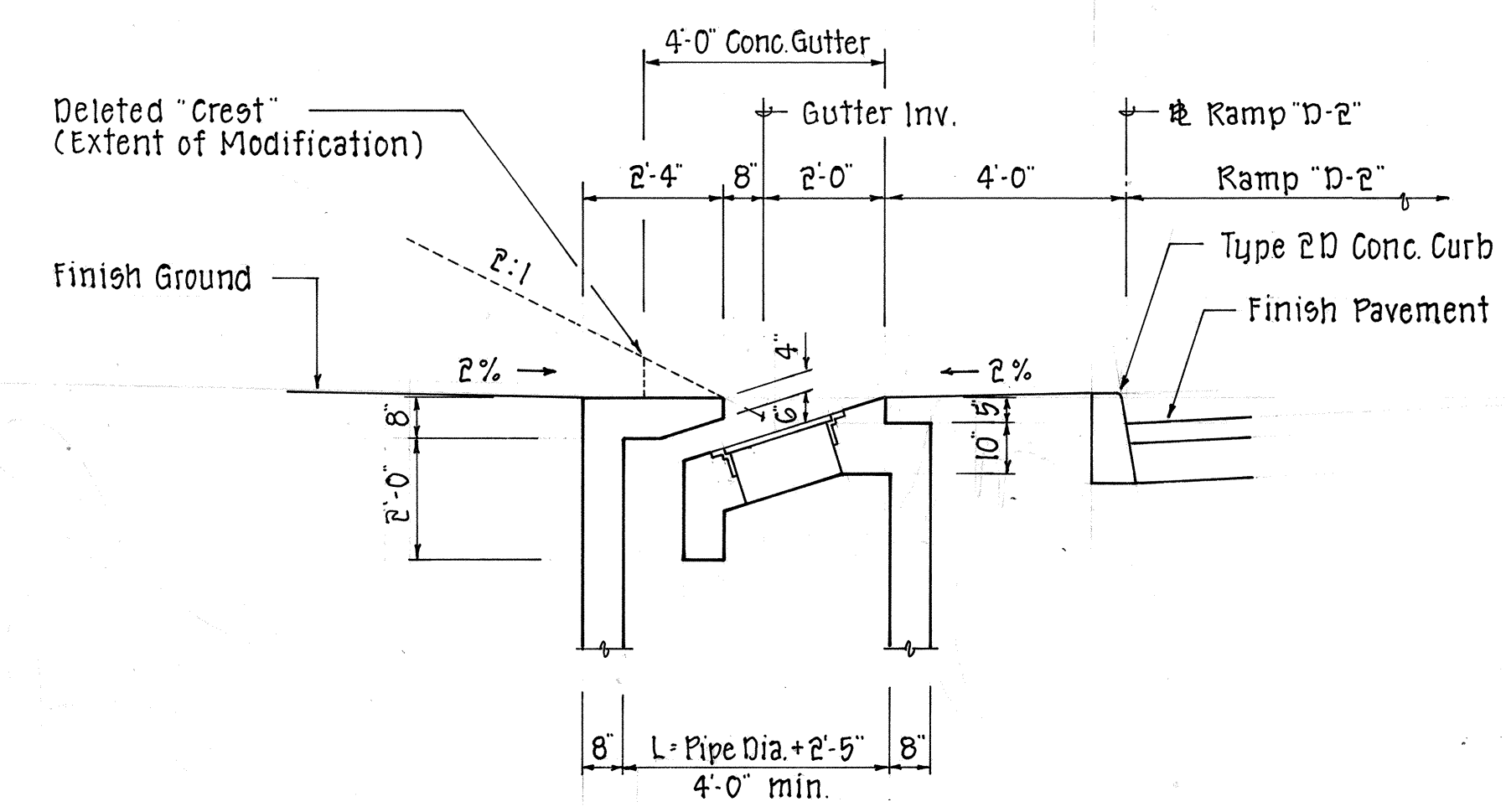
SHEET NO. 4 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIC-01-90	1991	44	109

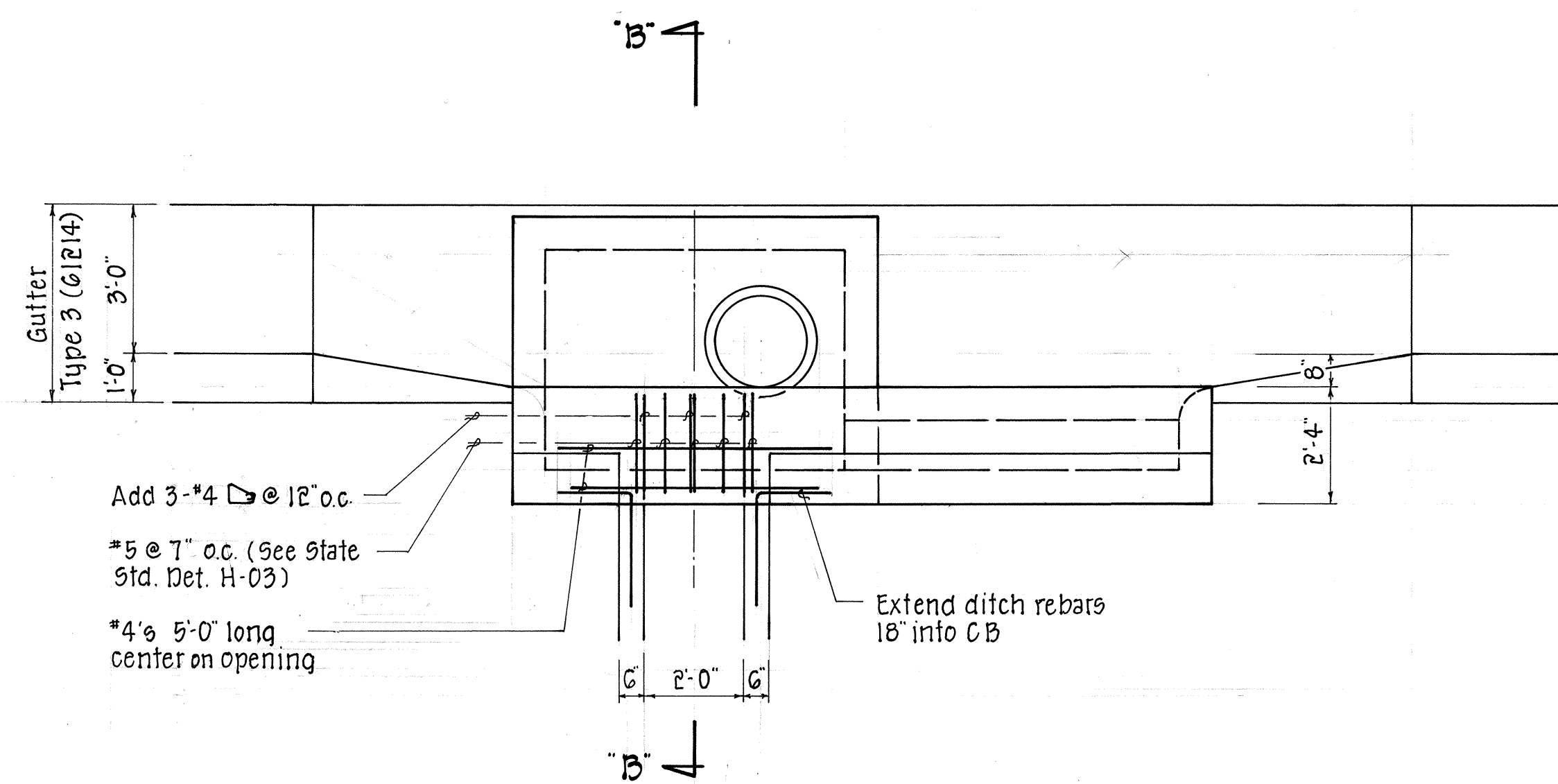


PLAN

Note:
For reinforcing & additional details, see Type 'C-2' Catch Basin, State Std. Plan H-03.

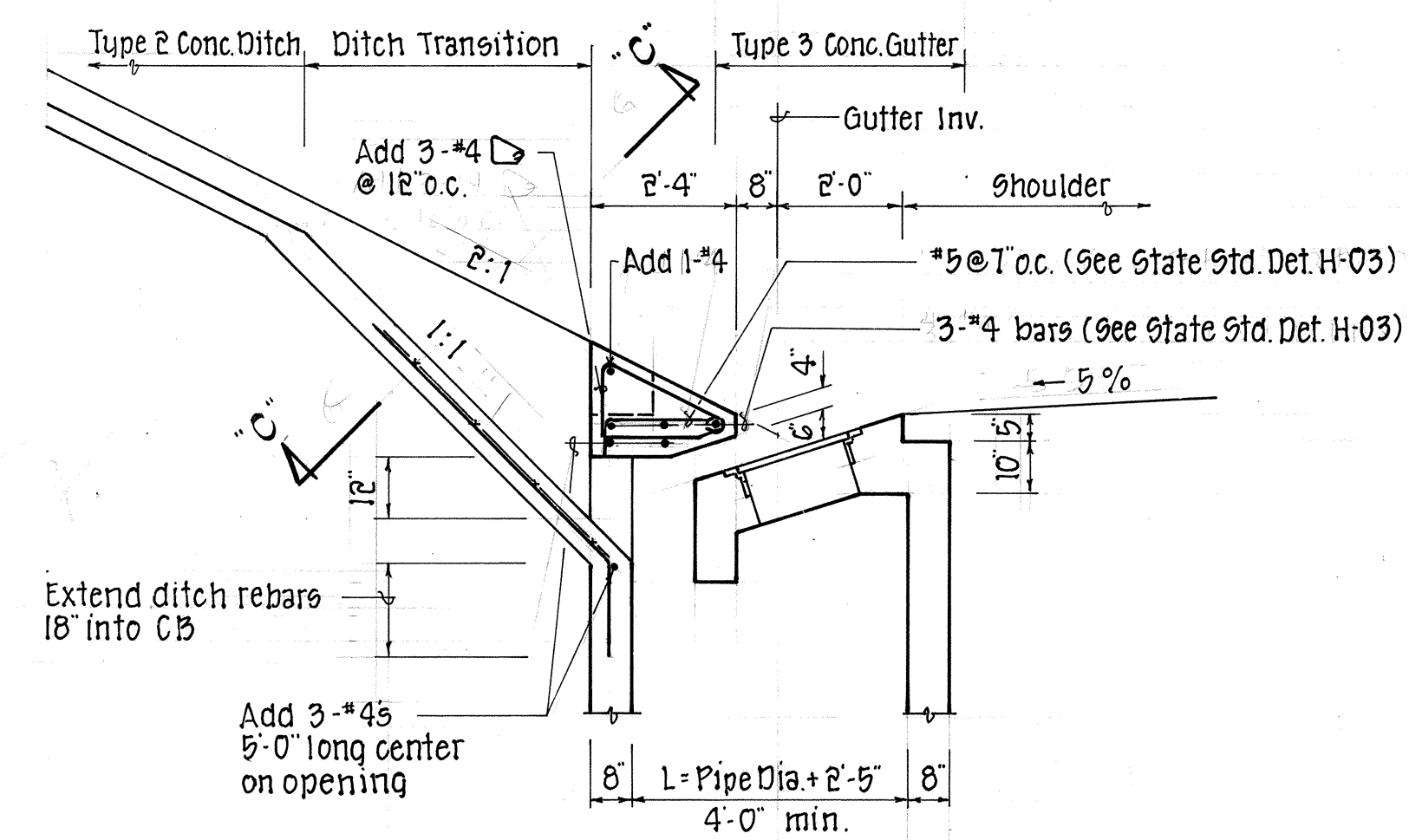


SECTION "A-A"
MODIFIED TYPE C2 CB
Scale: 3/8" = 1'-0"

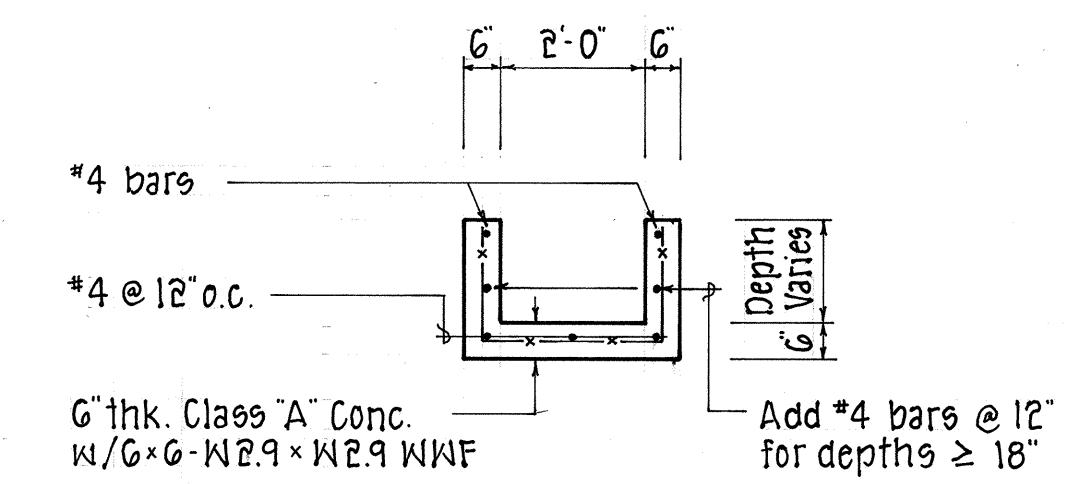


PLAN

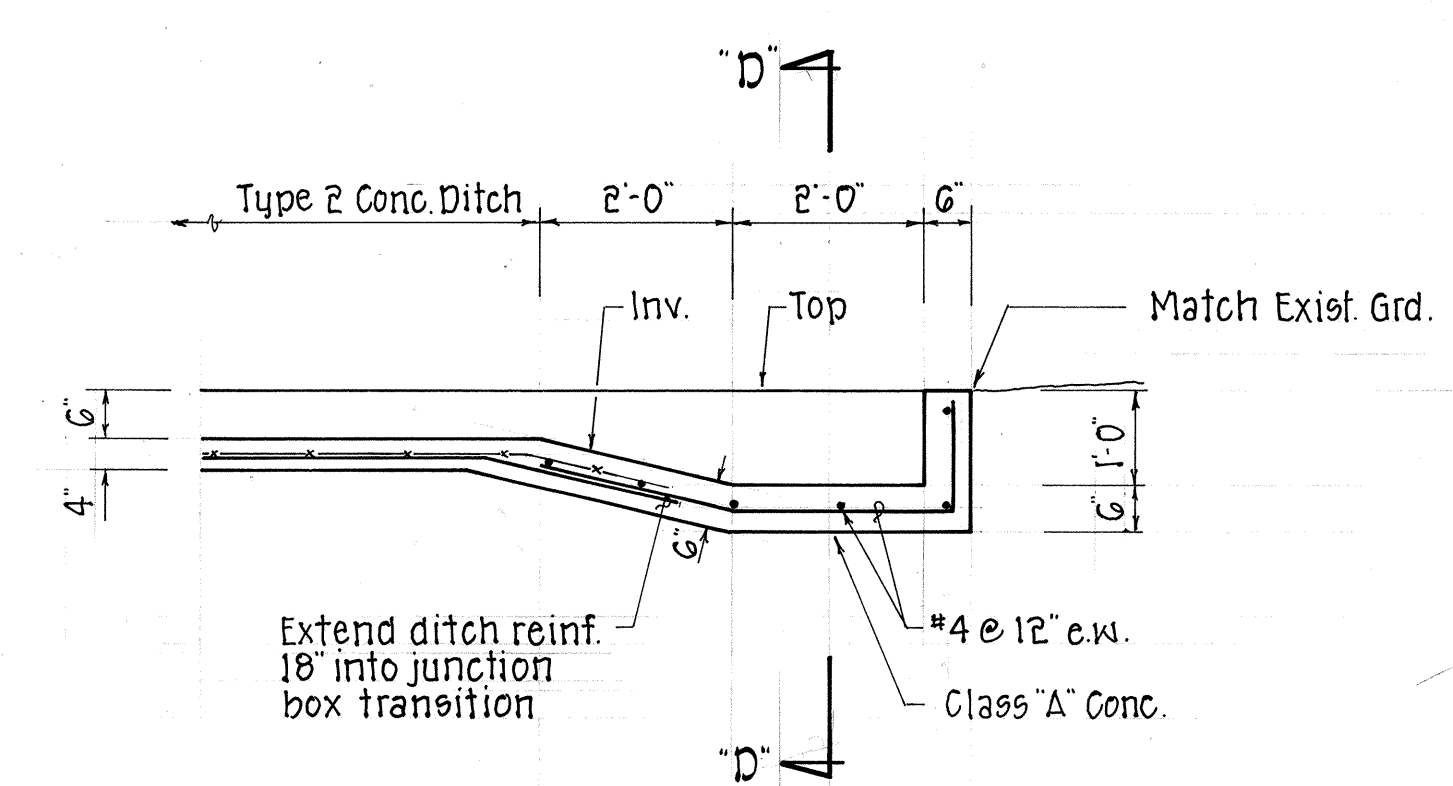
Note:
For reinforcing & additional details, see Type 'B-2' Catch Basin, State Std. Plan H-03.



SECTION "B-B"
DITCH CONNECTION TO CATCH BASIN
Scale: 3/8" = 1'-0"

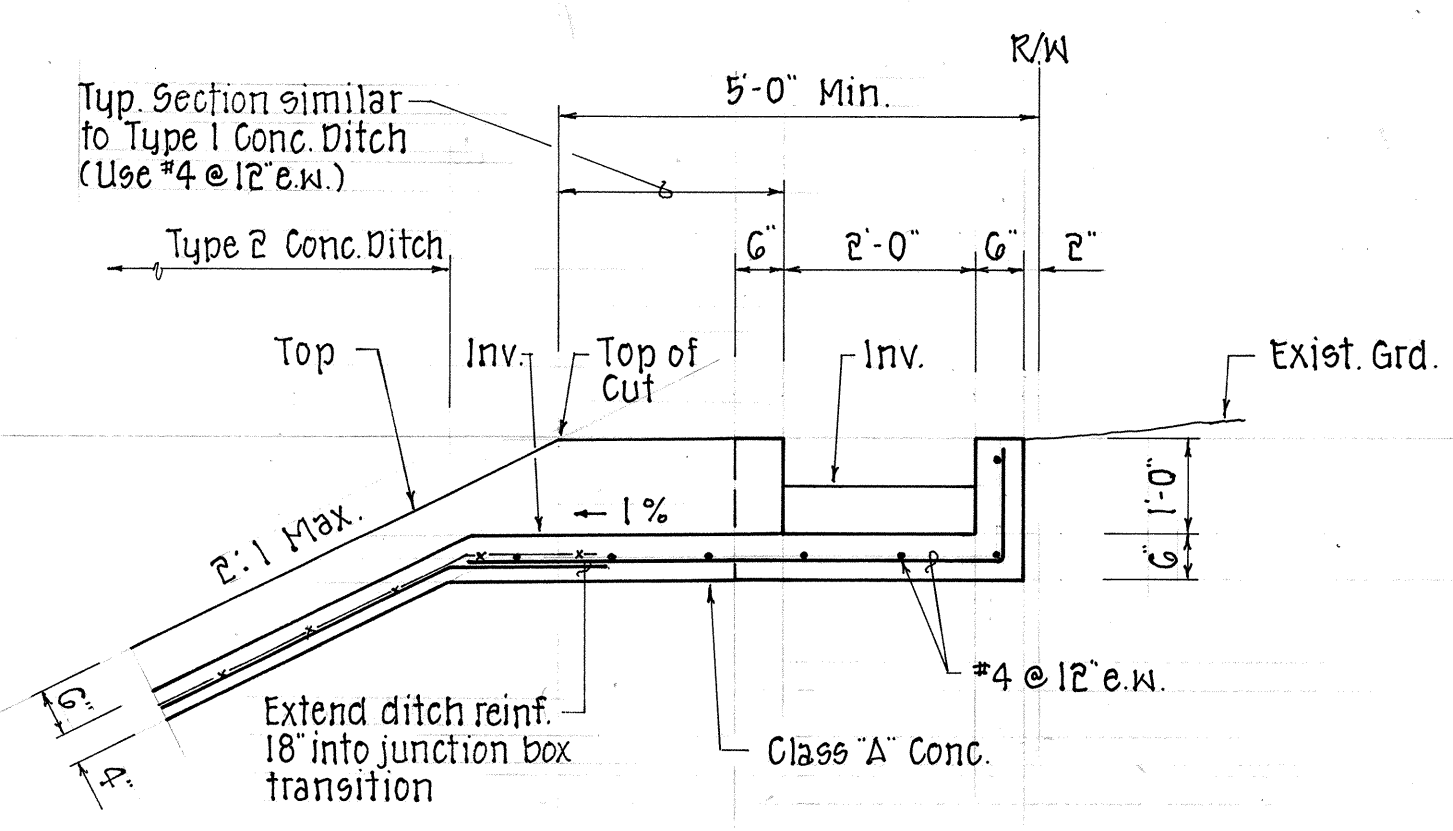


SECTION "C-C"



ELEVATION

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



SECTION "D-D"



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Bernard P. Kea
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**MISCELLANEOUS
DRAINAGE DETAILS**

INTERSTATE ROUTE H-1
PAIWA STREET INTERCHANGE
PROJECT NO. HIC-01-90
SCALE AS NOTED
DATE: AUG., 1991

SHEET NO. 5 OF 6 SHEETS

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

Diagram illustrating the reinforcement layout for a 10' x 5' slab with a circular opening. The slab dimensions are 10' x 5'.

Reinforcement details:

- Contractor to Verify: 8'-5" (Total length)
- Contractor to Verify: 5'-10" (Total width)
- Reinforcement bars: 3-#5 @ 4" bot. (Bottom bars)
- Reinforcement bars: 3-#4 @ 4" bot. (Bottom bars)
- Reinforcement bars: 3-#4 @ 9" bot. as shown (Bottom bars)
- Reinforcement bars: #5 @ 7" bot. (Bottom bars)
- Reinforcement bars: #5 top & bot. ea. corner (Top and bottom corner bars)

The diagram shows a grid of reinforcement bars with a circular opening in the center. The opening is approximately 4' 6" in diameter. The reinforcement bars are labeled with their size and spacing. The contractor is responsible for verifying the dimensions and reinforcement details.

Backfill eroded area to match surrounding exist. grade (min. 3" above adj. pavt. & conc. gutter) & grass

New 6' x 5'

Roughen surface of exist. spillway inlet & pour new Grated Inlet 6' x 5' against spillway inlet

Exist. Metal Guardrail & Posts to remain

Exist. Conc. Gutter to remain

Sawcut, demolish & dispose of "box" portion of exist. spillway inlet

Dispose of 24" $\varnothing$ CMP Flume

Salvage 18" of exist. 6' x 6' x 12' x 12' W x F Bend & lap w/ new reinf.

2' $\pm$ opening

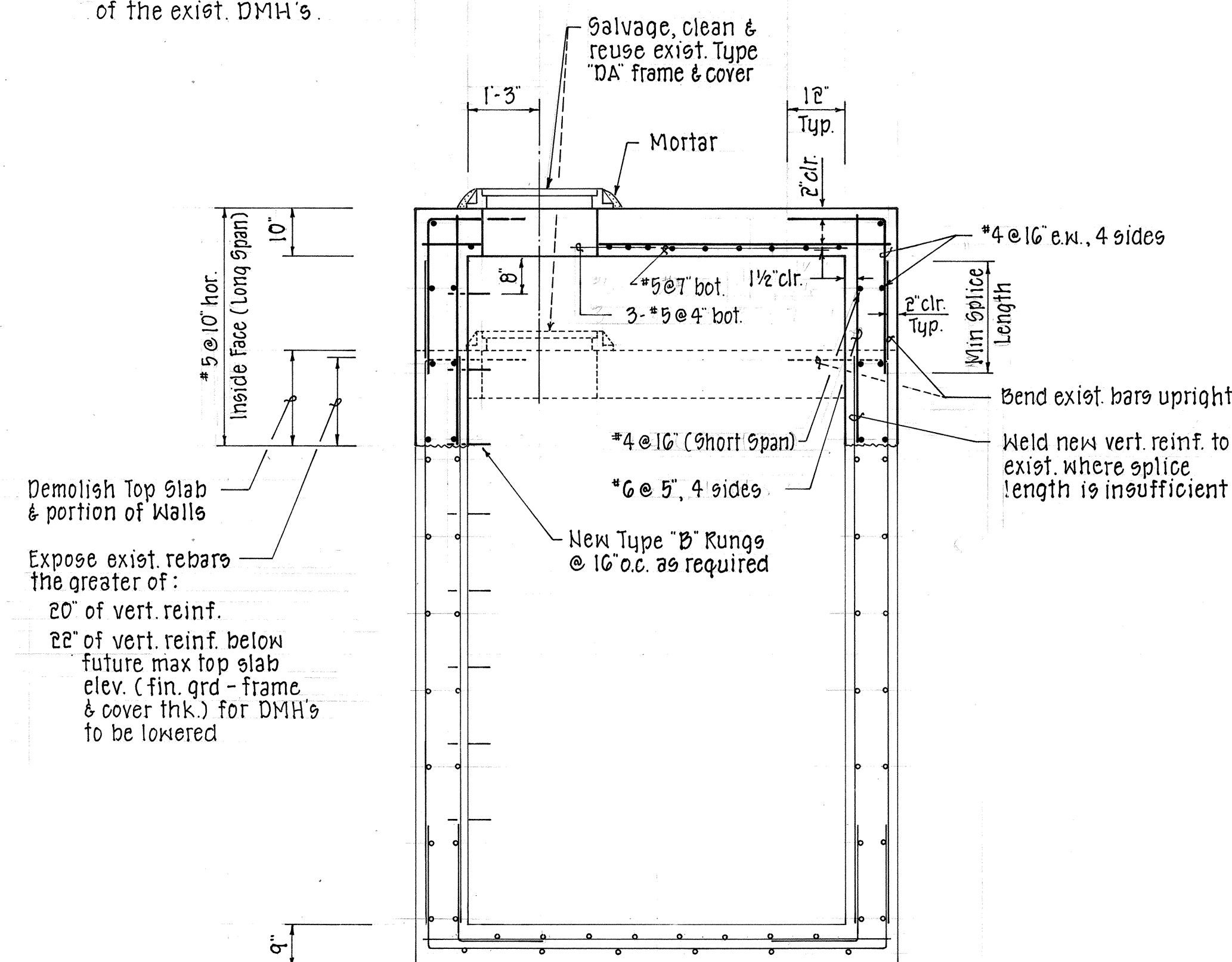
Exist. "trench" portion to remain

Exist. Spillway Inlet

PLAN

Note:
Dimensions & wall thicknesses given are approximate. The exist. dimensions & wall thicknesses shall be used for reconstruction of the exist. DMH's.

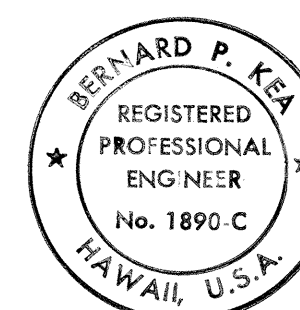
Note:
For reinforcing & additional
dimensions (G1"C-5"), see
detail, sht. 43.



RECONSTRUCTION OF EXIST. DMH's @ PAIWA ST. NB
Scale: $\frac{3}{8}" = 1'-0"$

SECTION "B-B"
EXIST. SPILLWAY INLET & G1 "C-5"
Scale: 3/8" = 1'-0"

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



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ME OR UNDER MY SUPERVISION.
Bernard P. Keane
Signature

MISCELLANEOUS DRAINAGE DETAILS

INTERSTATE ROUTE H-1
PAIWA STREET INTERCHANGE
PROJECT NO. HIC-01-90

SCALE AS NOTED

DATE: AUG., 1991

SHEET No. 6 OF 6 SHEETS