

GRATE SEAT SEE C-37

GRATING, SEE DET. BELOW

FINISHED GRADE

2" CLR.

2" CLR.

16"

#4 @ 12" O.C. E.W.E.F. (TYP.)

MH RUNGS @ 12" O.C., 16" MAX. FROM LAST RUNG TO INVERT

CLASS "A" CONCRETE

REINFORCING AROUND PIPE OPENING SIMILAR TO DOT STD. DET. H-05

C C-36

O.D. VARIES (36" MAX.)

#4 DOWELS TO MATCH VERT. REINF. SPACING

LAP 2'-0" (TYP.)

2" CLR.

2" CLR.

2-#5x4'-9" E.F. ADDED, TYP. INCLUDING PIPES WITH INVERTS MATCHING INLET BOX INVERT

#5 @ 8" O.C. E.W. EQ.

#5 @ 12" O.C. E.W. EQ.

9" 6'-0" 9" 7'-6"

10'-0" MAX.

12"

Diagram illustrating the Plan view of the Inlet Box. The drawing shows the overall dimensions and internal structure, including the inlet box frame and grate.

Dimensions and Callouts:

- Overall width: 7'-6"
- Overall height: 4'-0"
- Internal width: 6'-6"
- Internal height: 3'-0"
- Top callout: D (C-36)
- Right callout: E (C-36)
- Bottom callout: B (C-36)
- Bottom right callout: 2 (C-37)
- Label: INLET BOX FRAME (2 REQ'D) FRAME DETAIL SEE
- Label: INLET BOX GRATE (2 REQ'D)
- Label: RUNG

PLAN
NOT TO SCALE

CONTINUOUS WELD
W3.5X19 TO FRAME

4'-0"
3'-0"

2'-6" TYP.

W5X19
(LENGTH= 3'-6")

7'-6"
6'-6"

3 1/2"

D
C-36
SECTION
NOT TO SCALE

E
C-36
SECTION
NOT TO SCALE

1. REINFORCING STEEL IN WALLS SHALL BE #4 BARS @ 12" O.C.
2" CLEAR TO INSIDE OF BOX UNLESS OTHERWISE SHOWN.
2. PLACE ADDITIONAL #4 BARS ACROSS THE LENGTH OF THE
OPENING AND BEND BACK 2'-0" LAP INTO THE INLET WALL ON EACH SIDE.
3. BASIN FLOOR SHALL HAVE WOOD TROWEL FINISH AND A MINIMUM
SLOPE 12:1 FROM ALL DIRECTIONS TOWARDS OUTLET PIPE.
4. ROUND OPENING OF PIPE MINIMUM RADIUS = 0.15
PIPE DIAMETER.
5. FULL PENETRATION BUTT WELDS MAY BE SUBSTITUTED FOR THE
FILLET WELDS ON ALL ANCHORS.
6. CAST-IN-PLACE OR PRECAST ALTERNATIVE OPTION WITH
CONTRACTOR.

2/4/02	Relocated Rungs Per Addendum No. 2
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

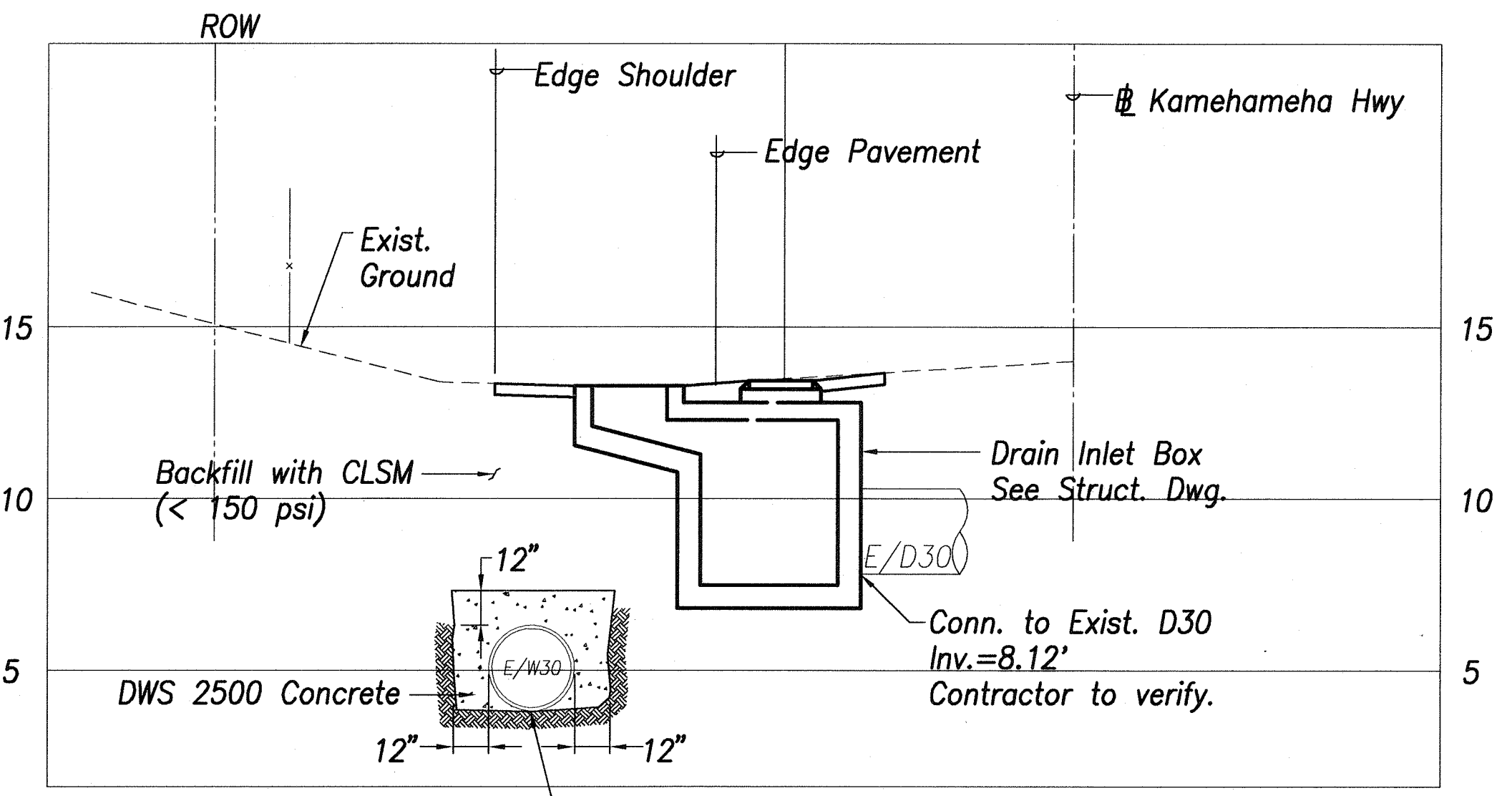
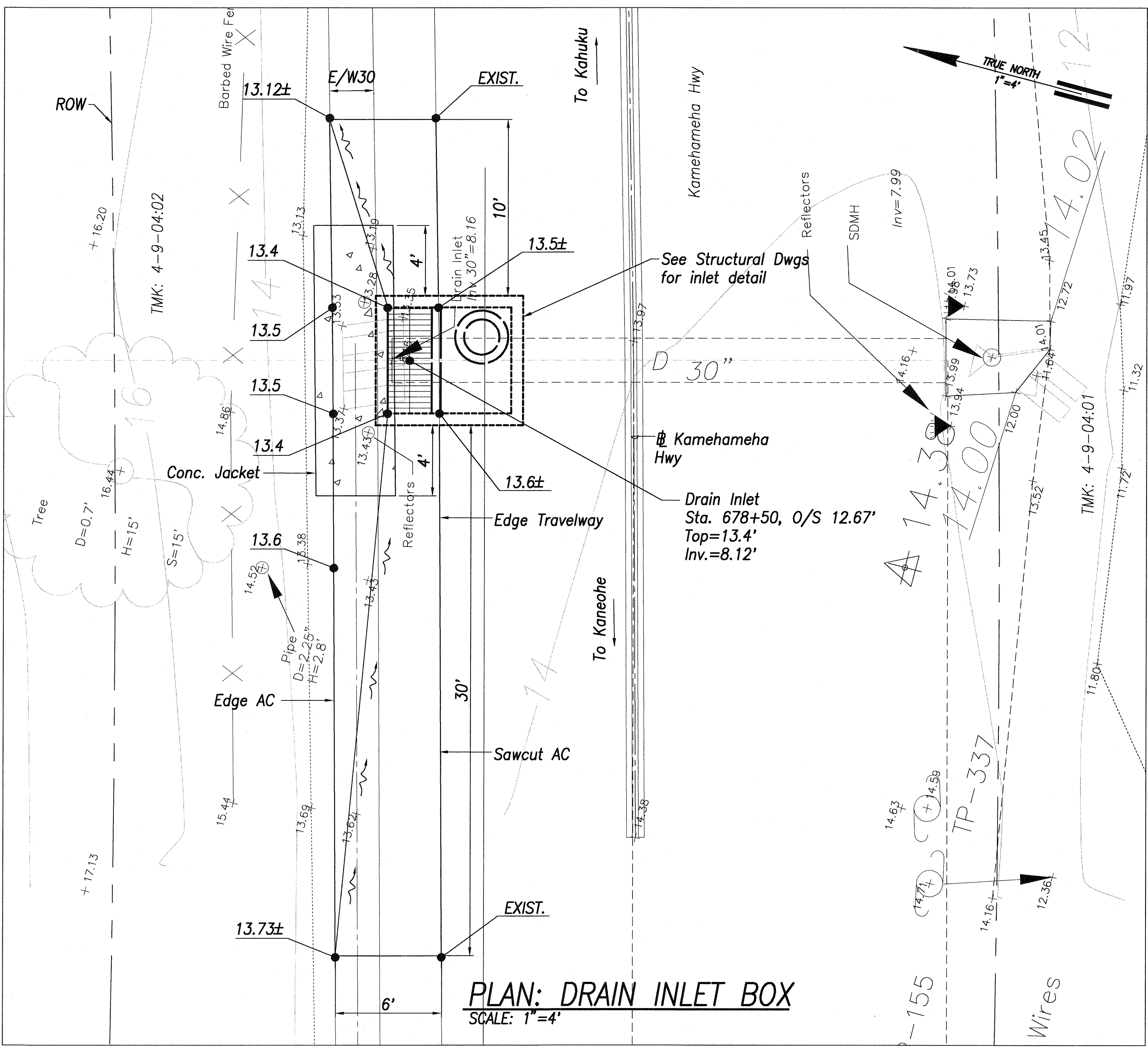
DRAIN DETAILS – 1

KAMEHAMEHA HIGHWAY RESURFACING
Waiahole Valley Road to Crouching Lion Inn
Federal Aid Project No. NH-083-1(43)

Scale: As Shown Date: August 1, 2000

SHEET No. C-36 OF 65 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(43)	2001	C.O. 38 S-1	114



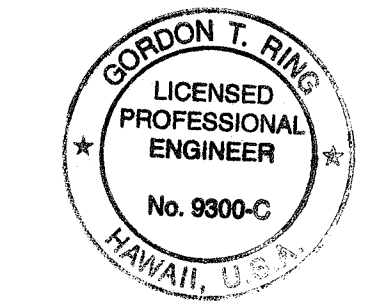
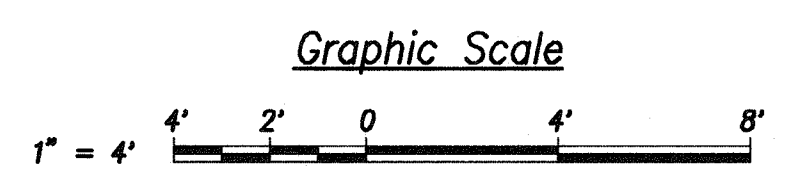
E/W30 To Remain
Contractor Shall Use Extreme
Caution and Protect W30
During Excavation and
Backfilling Operations

PROFILE: DRAIN INLET BOX
SCALE: 1"=4'

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

APPROVED:

Denimie K. Jua 3/31/10
Chief, Capital Projects Division, BWS Date



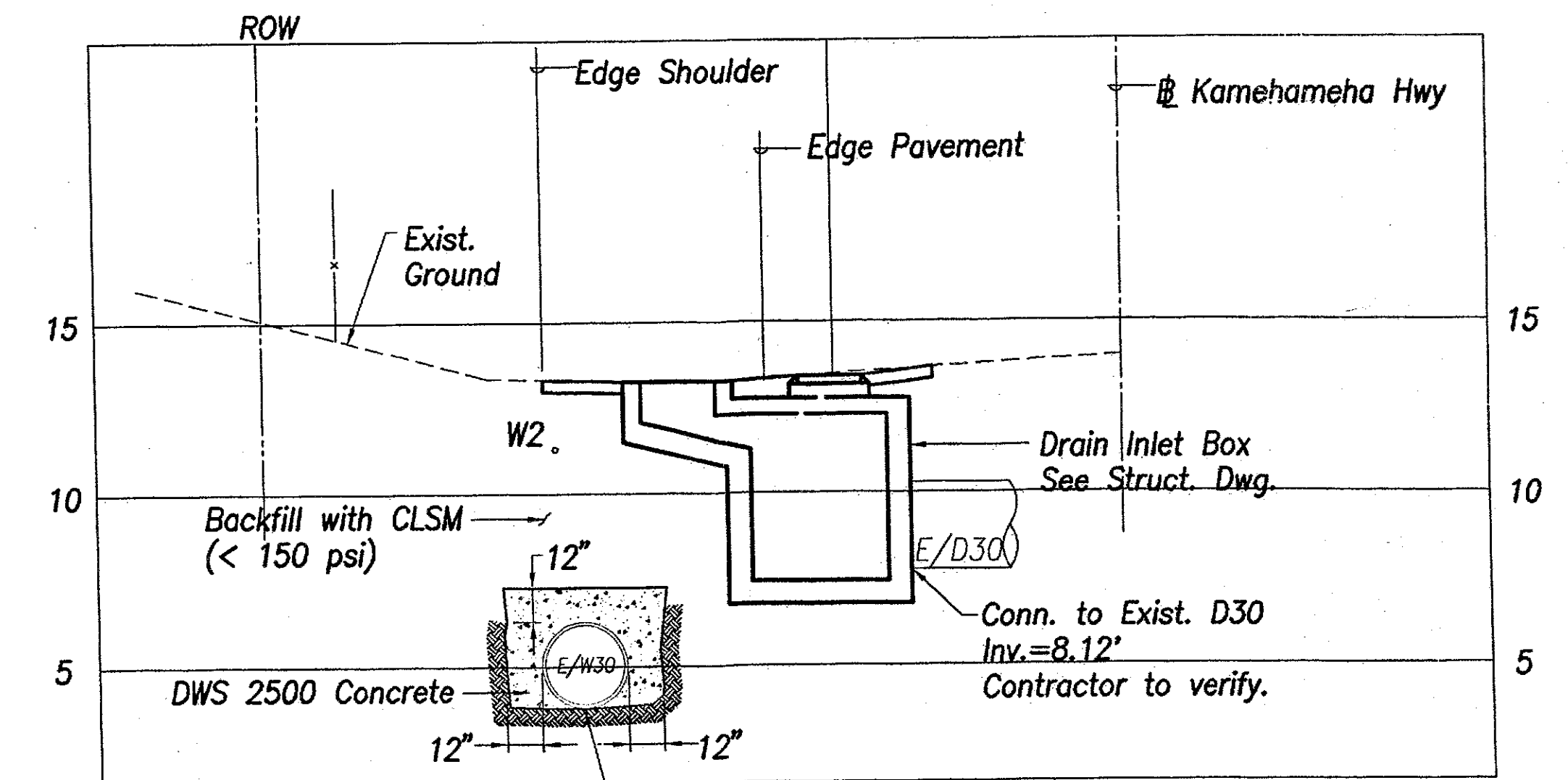
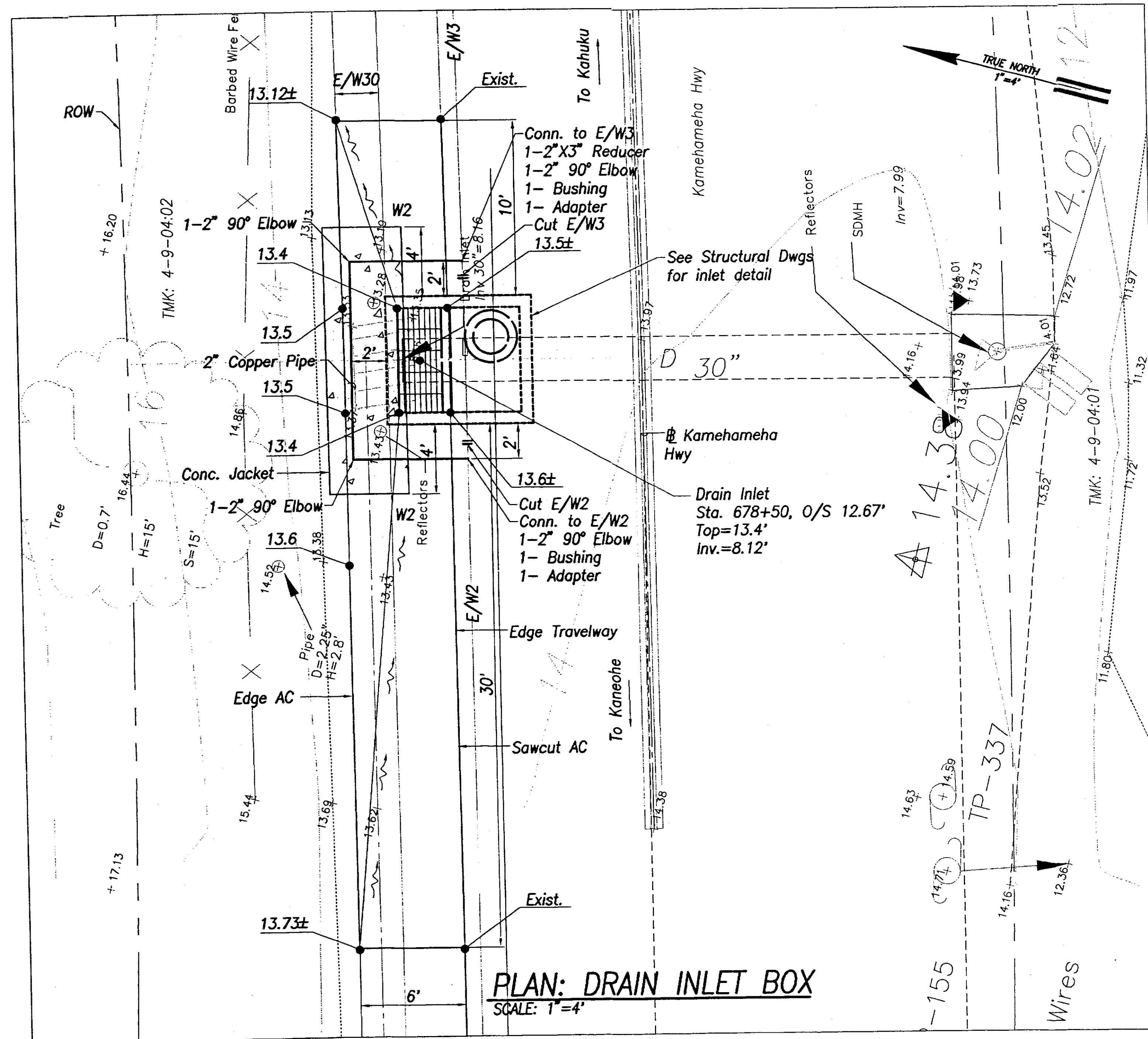
THIS WORK WAS PREPARED BY ME OR
UNDER MY SUPERVISION
SIGNATURE DATE 4/30/10

1/19/10	Added Sheet
Date	Revision
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
DRAIN INLET BOX # STA. 678+50	
KAMEHAMEHA HIGHWAY RESURFACING Waiahole Valley Road to Crouching Lion Inn Federal Aid Project No. NH-083-1(43)	
Scale: As Shown	Date: August 1, 2000

SHEET No. C-36A OF 65 SHEETS

C.O. 38 S-1

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(43)	2001	C.O. 38 S-2	114

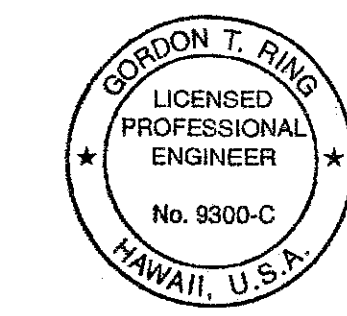
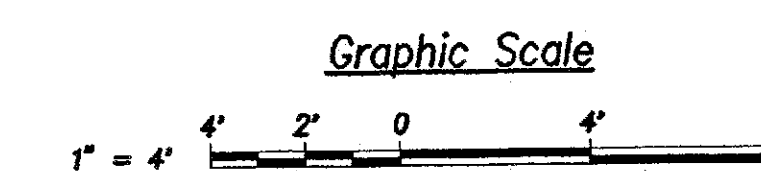


PROFILE: DRAIN INLET BOX
SCALE: 1"=4'

APPROVED:

[Signature] 4/30/15
Manager and Chief Engineer, BWS
(For Work Affecting BWS Facilities in City/State R/W and BWS Easements Only)

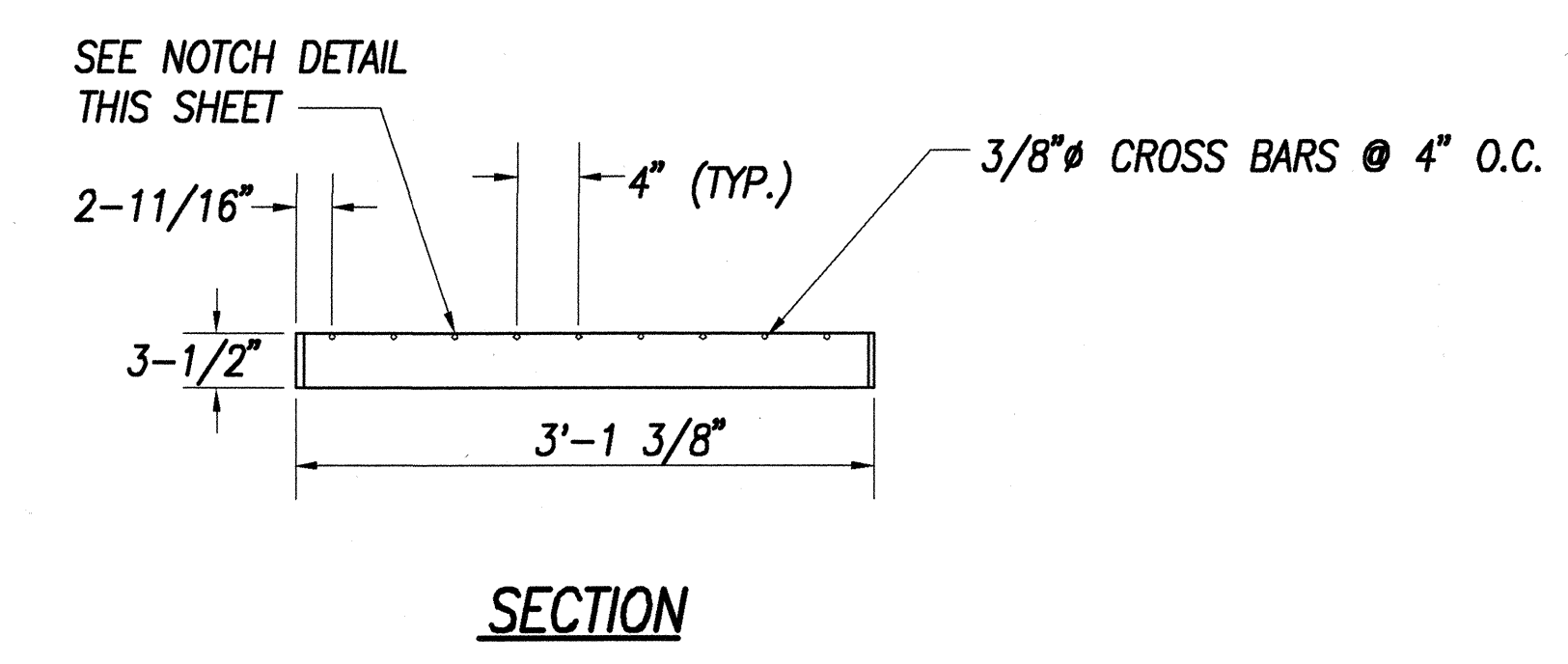
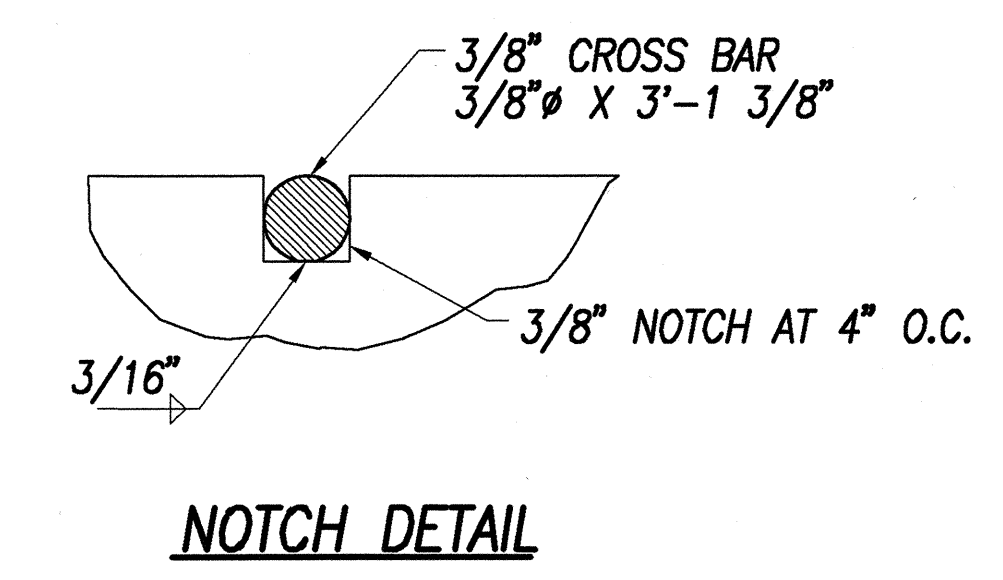
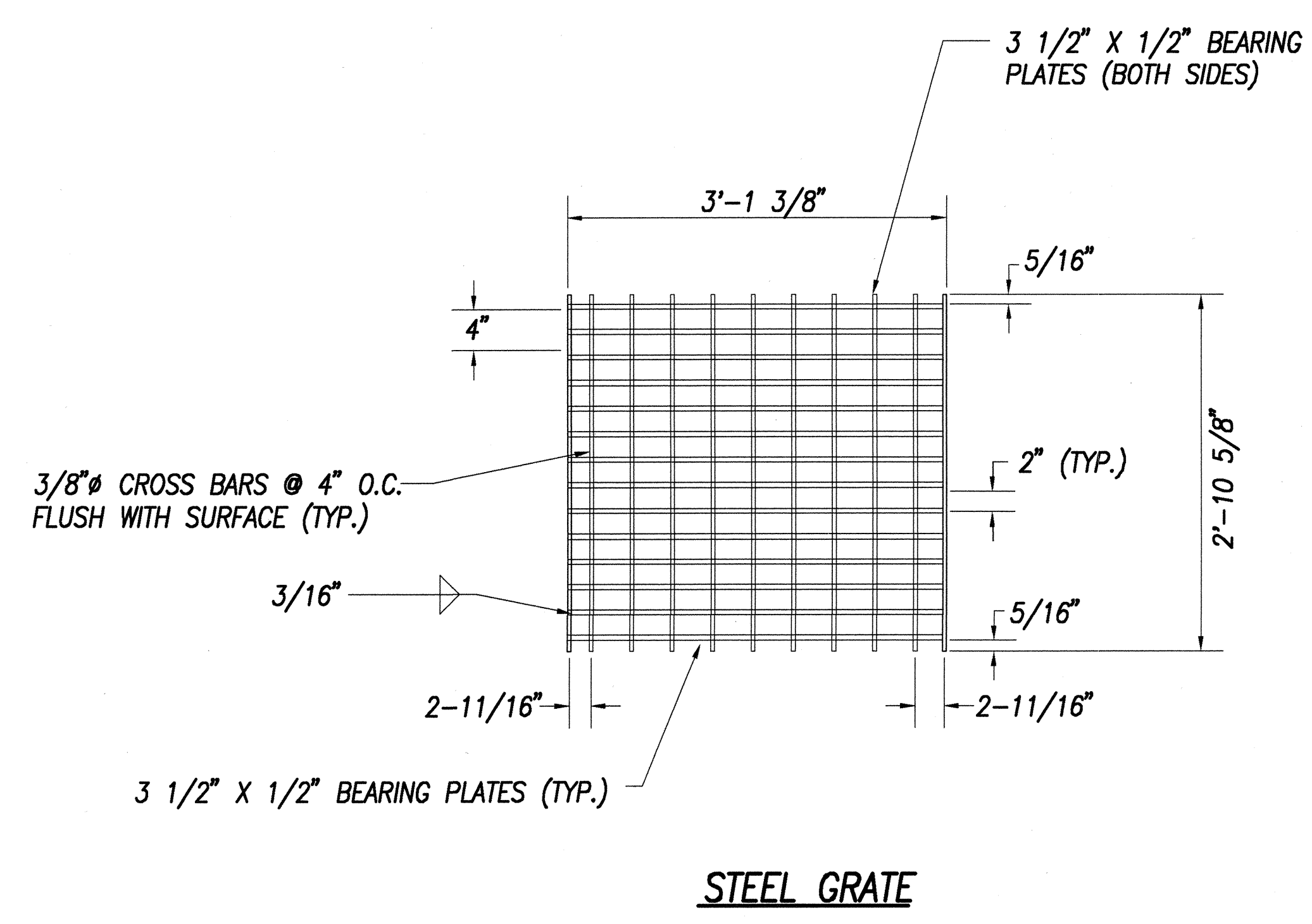
DATE	
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	



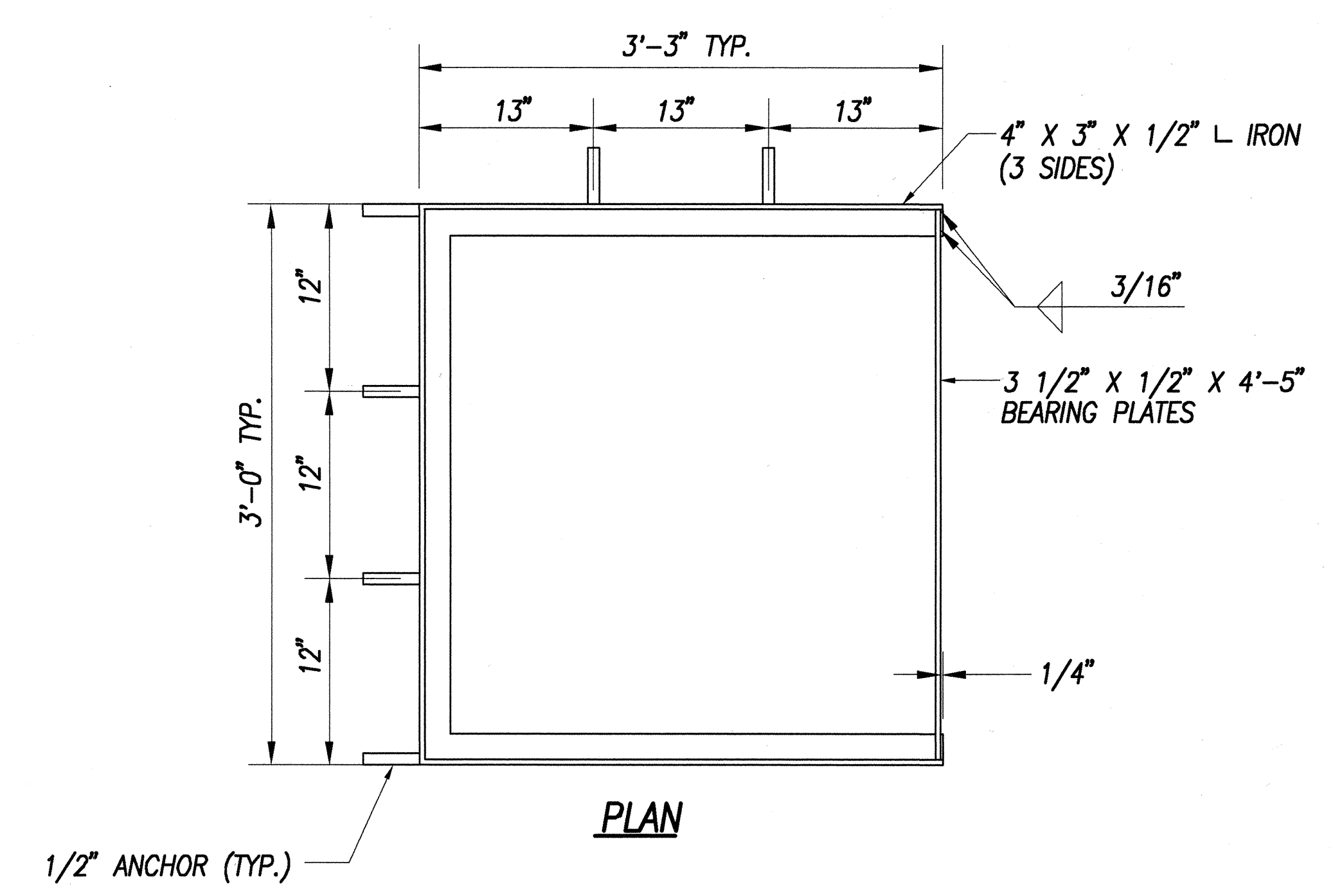
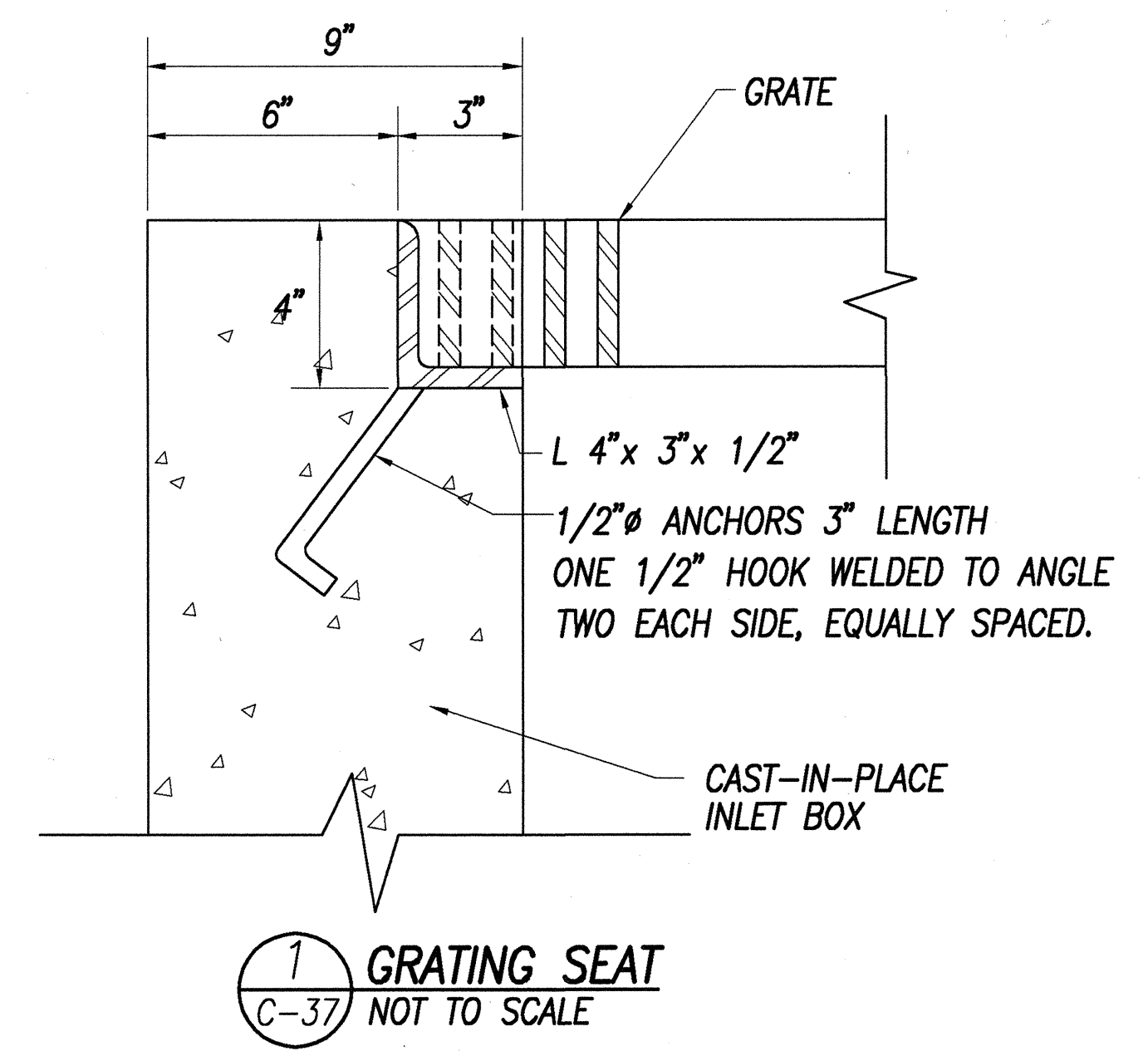
4/13/15	New Sheet
Date	Revision
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION DRAIN INLET BOX B STA. 678+50 KAMEHAMEHA HIGHWAY RESURFACING Waiahole Valley Road to Crouching Lion Inn Federal Aid Project No. NH-083-1(43) Scale: As Shown Date: August 1, 2000 SHEET No. C-36A OF 65 SHEETS	

C.O. 38 S-2

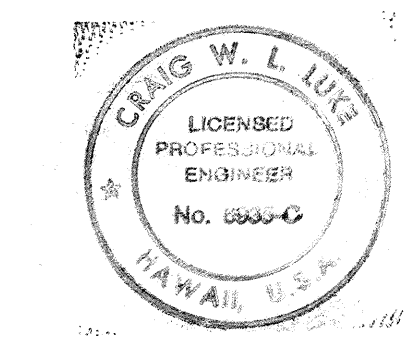
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(43)	2001	39	121



GRATE DETAILS
NOT TO SCALE



2 FRAME DETAIL
C-37 NOT TO SCALE



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[Signature] DATE *11/10/01*

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAIN DETAILS - 2

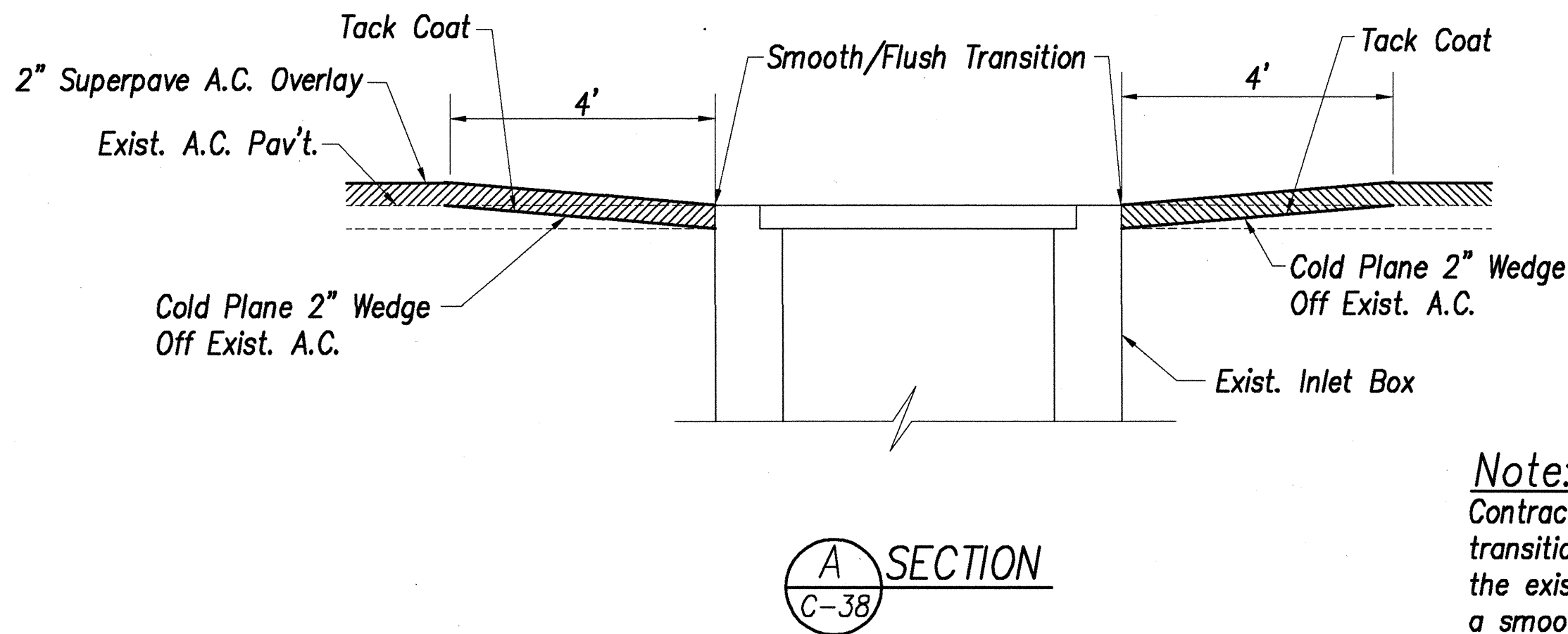
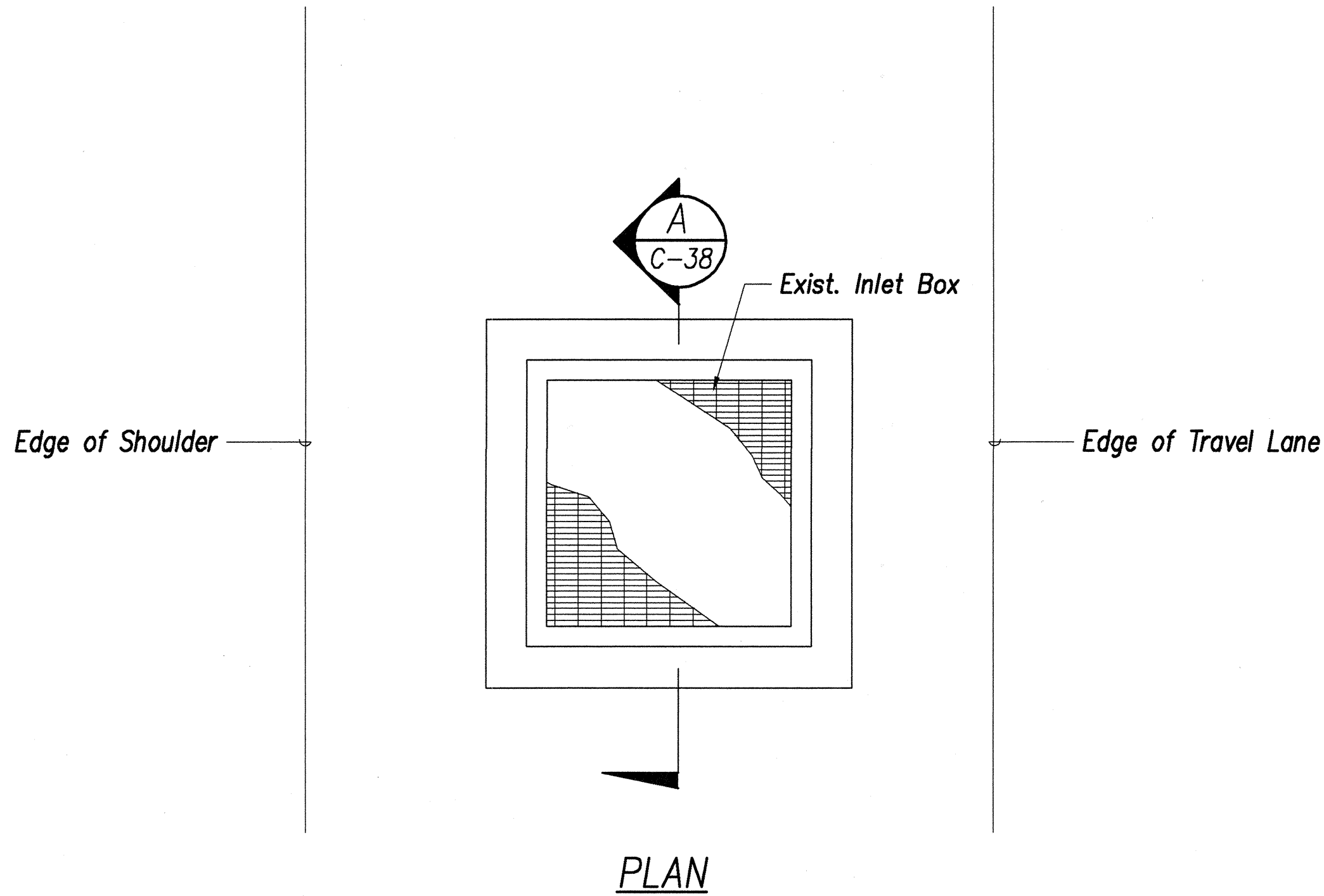
KAMEHAMEHA HIGHWAY RESURFACING
Waiahole Valley Road to Crouching Lion Inn
Federal Aid Project No. NH-083-1(43)

Scale: As Shown Date: August 1, 2000

SHEET No. C-37 OF 74 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-083-1(43)	2001	40	121



Note:
Contractor shall provide cold plane transition in all directions around the existing drain inlet to provide a smooth transition to the A.C. overlay.

1 TYPICAL INLET BOX COLD PLANING DETAIL
C-38 NOT TO SCALE

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



THIS WORK WAS PREPARED BY ME OR
UNDER MY SUPERVISION
[Signature]
DATE 11/1/01

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAIN DETAILS - 3

KAMEHAMEHA HIGHWAY RESURFACING
Waiahole Valley Road to Crouching Lion Inn
Federal Aid Project No. NH-083-1(43)

Scale: As Shown Date: August 1, 2000

SHEET No. C-38 OF 74 SHEETS