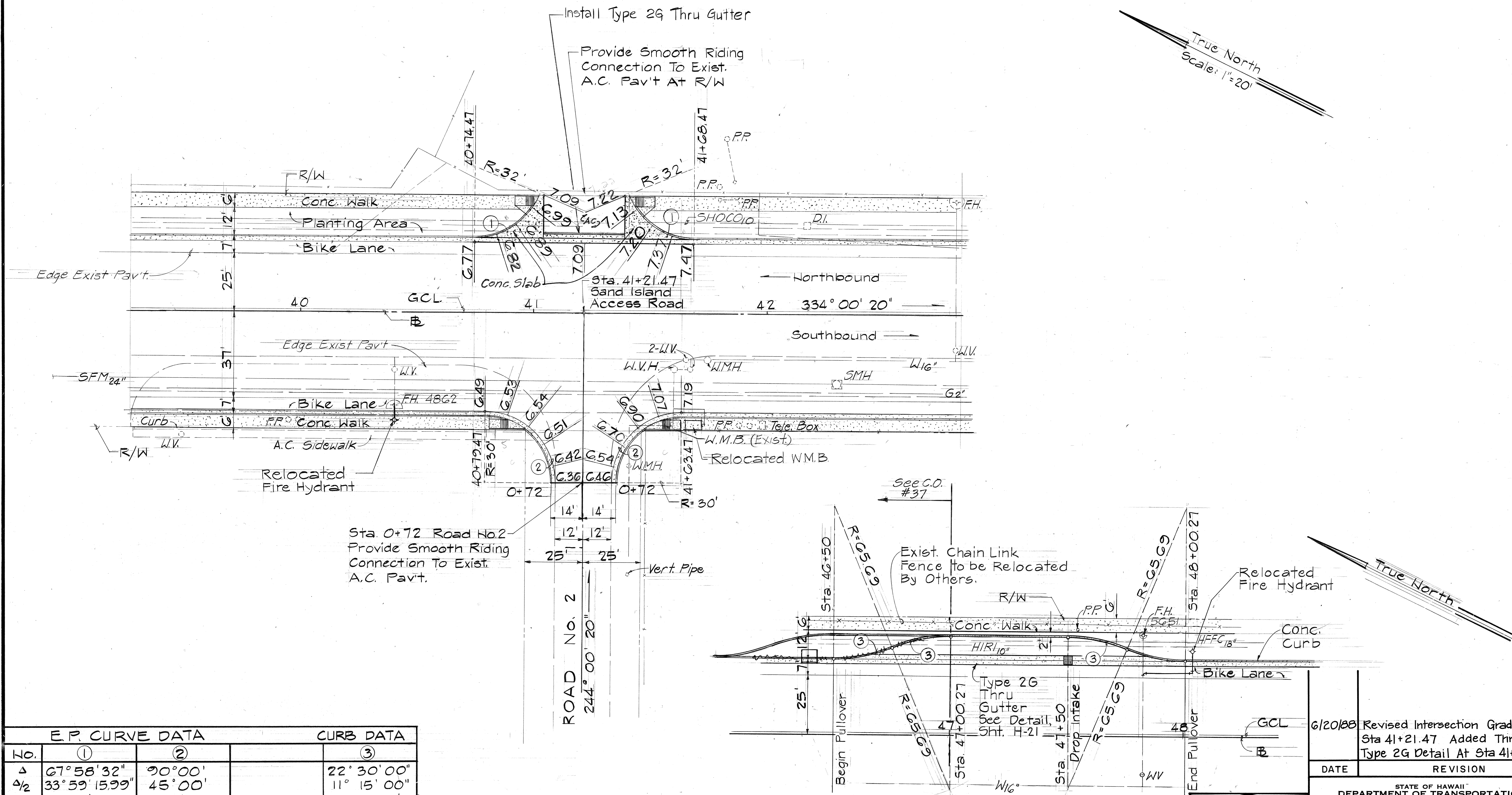


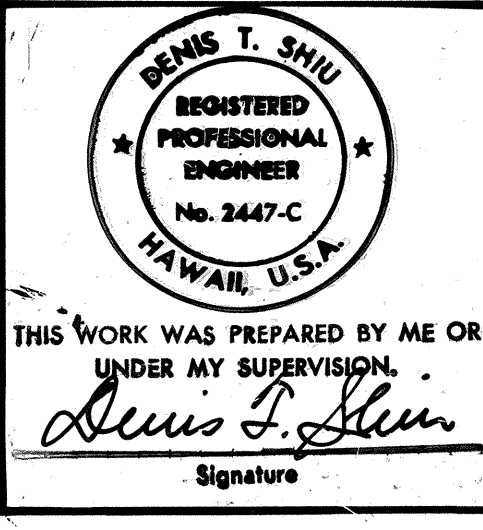
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-064-1(2)	1987	17	151



E.P. CURVE DATA			CURB DATA	
No.	①	②	③	
Δ	67° 58' 32"	90° 00'	22° 30' 00"	
Δ/2	33° 59' 15.99"	45° 00'	11° 15' 00"	
R	32'	30'	65.69'	
T	21.57'	30'	13.07'	
Lc	37.96'	47.12'	25.80'	
C	33.54'	42.43'	25.63'	

APPROVED:
[Signature]
 CHIEF, PLANNING & ENGINEERING, B.W.S.

9/15/86
 DATE



6/20/88 Revised Intersection Grades
 Sta 41+21.47 Added Thru Gutter
 Type 2G Detail At Sta 41+21.47 Left

DATE REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

**INTERSECTION DETAIL AT
 STA. 41+21.47 ROAD NO.2**

SAND ISLAND ROAD WIDENING
 2ND BRIDGE AND APPROACHES
 FEDERAL AID PROJECT NO. F-064-1(2)

SCALE: AS NOTED DATE: JUN, 1986

SHEET NO. H13 OF 23 SHEETS

"AS-BUILT"

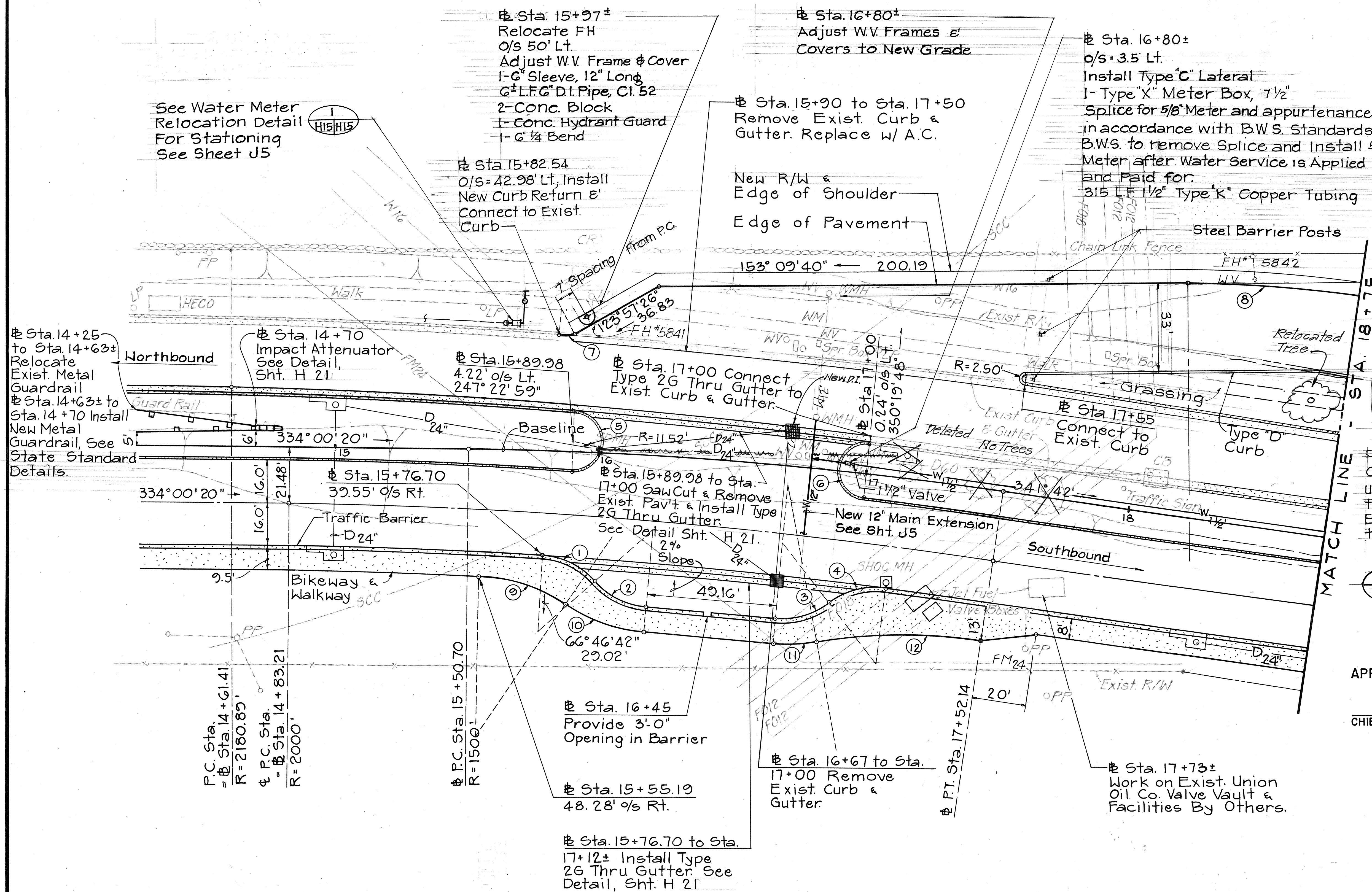
C.O. 17

Intersection Detail Rd. 2 of 15

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F - 064 - I(2)	1987	19	151

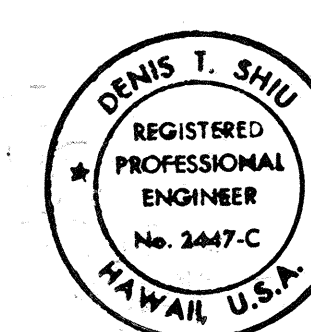
Flow Requirements:
20 GPM
100 GPM

True North
Scale: 1" = 20'



CURVE DATA

	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫
Δ	45° 00' 00"	43° 07' 01"	43° 07' 01"	45° 00' 00"	179° 39' 03"	180° 06' 41"	33° 13' 21"	8° 32' 20"	31° 35' 06"	28° 58' 50"	15° 29' 19"	18° 31' 38"
Δ/2	22° 30' 00"	21° 33' 30.5"	21° 33' 30.5"	22° 30' 00"	89° 49' 31.5"	90° 03' 20.5"	16° 36' 40.5"	4° 16' 10"	15° 46' 32.93"	14° 29' 24.93"	7° 44' 39.49"	9° 15' 48.93"
R	29.02	29.02	29.02	29.02	11.52	10.00	10.00	500.00	60.00	60.00	60.00	200.00
T	12.02	11.47	11.47	12.02	3780.69	-10,308.09	2.98	37.33	16.95	15.51	8.16	32.62
C	22.21	21.33	21.33	22.21	23.04	20.00	5.72	74.45	32.62	30.03	16.17	64.39
LC	22.79	21.84	21.84	22.79	36.12	31.50	5.80	74.52	33.04	30.35	16.22	64.67



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Signature

4/18/88 Revised Curbing & Pavement

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WEIGH STATION, CROSS-OVER, & PULL-OVER LAYOUT DETAIL

SAND ISLAND ROAD WIDENING
2ND BRIDGE AND APPROACHES
FEDERAL AID PROJECT NO. F-064-I(2)

SCALE: AS NOTED DATE: JUN, 1986

SHEET NO. H15 OF 23 SHEETS

"AS-BUILT"

C.O.19

LEGEND

Finished Grade (Verify in Field)
T.C. Top of Curb

CURB RETURN DATA	
①	90° 00' 00"
Δ/2	45° 00' 00"
R	5.00
T	5.00
C	7.07
Lc	7.85

Type 6
Bituminous
Curb, See
State Standard
Details

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-064-1(2)	1987	20	151

True North
Scale: 1" = 20'

Sta. 24+40 Install New
Curb Return & Connect to
Exist. Curb

Sta. 21+04 to Sta. 24+40
Remove Exist. Curb & Gutter &
Replace w/ A.C.

Striping Detail
See Sheet C.O. ADD. 80

New R/W &
Edge of Shoulder
Edge of Pavement

OL.F. - 4" C.I. Gravity Sewer Pipe
- 4" C.I. Y & 1/8 Bend
- 4" C.I. Cleanout Adapter
- 4" Countersunk Brass Cleanout Plug
Cesspool shall be incidental to
Weigh House.

Sta. 20+20
Begin Taper

Sta. 21+20
End Taper

For Detail
See Sht. H20-A

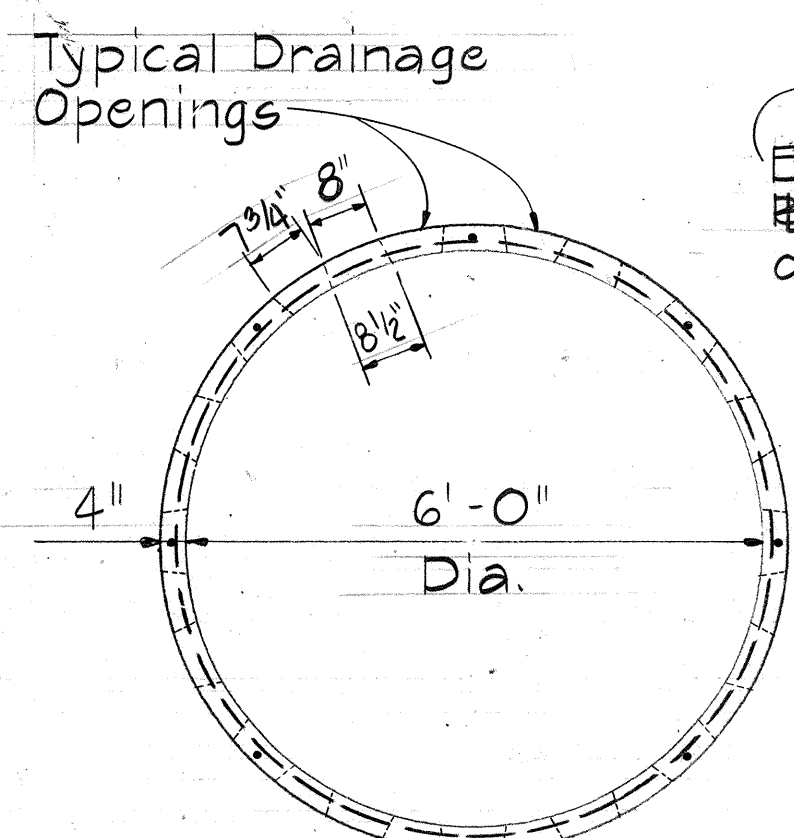
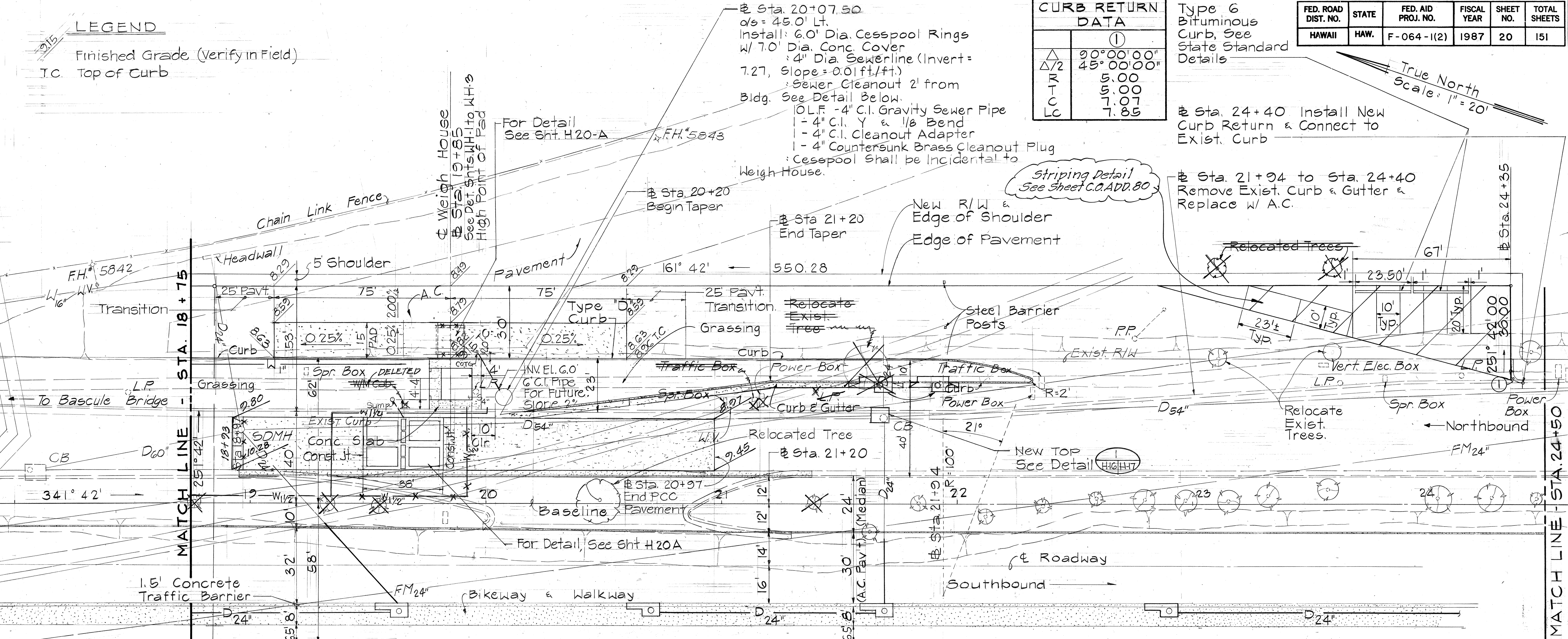
F.H. 5843

For Detail
See Sht. H20-A

Weight House
Sta. 19+85
See Det. Sht. H10 to WH's
High Point of Pad

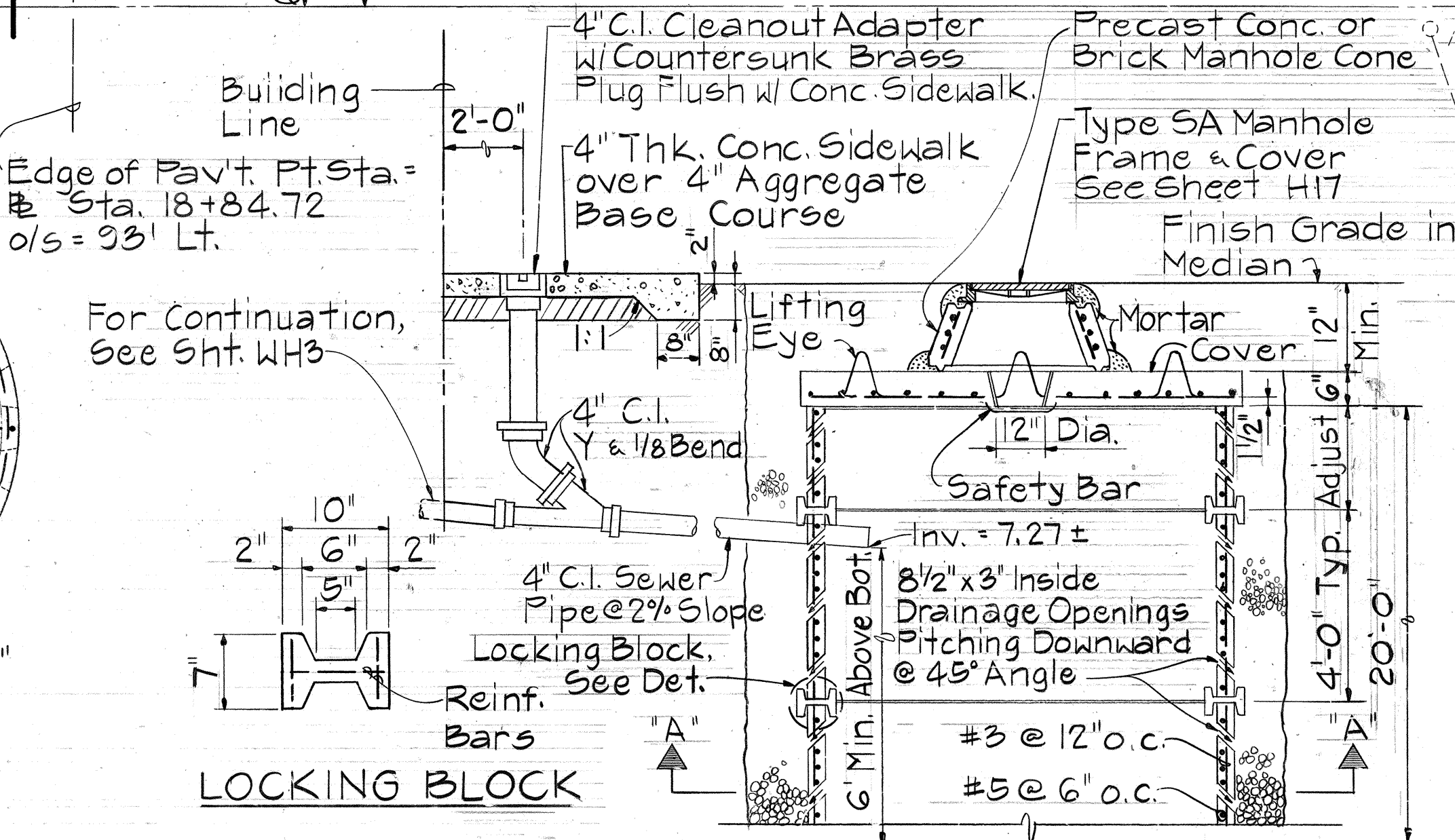
MATCH LINE - STA. 18+75

MATCH LINE - STA. 24+50



Wall Thickness - 4" for 6'-0"
Dia. Tank
Outside Diameter - 6'-8" for
6'-0" Dia. Tank

SECTION "A-A"

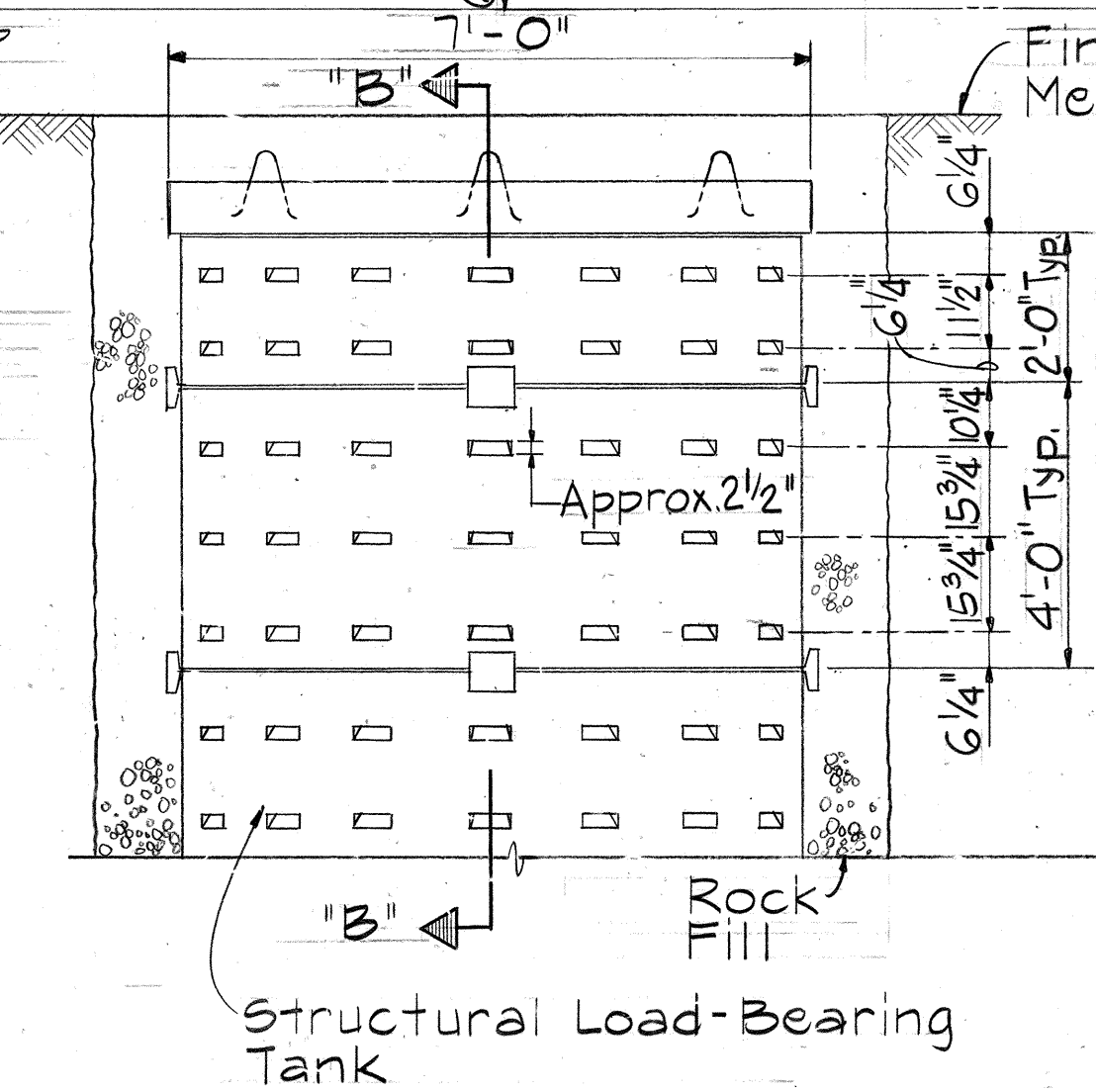


LOCKING BLOCK

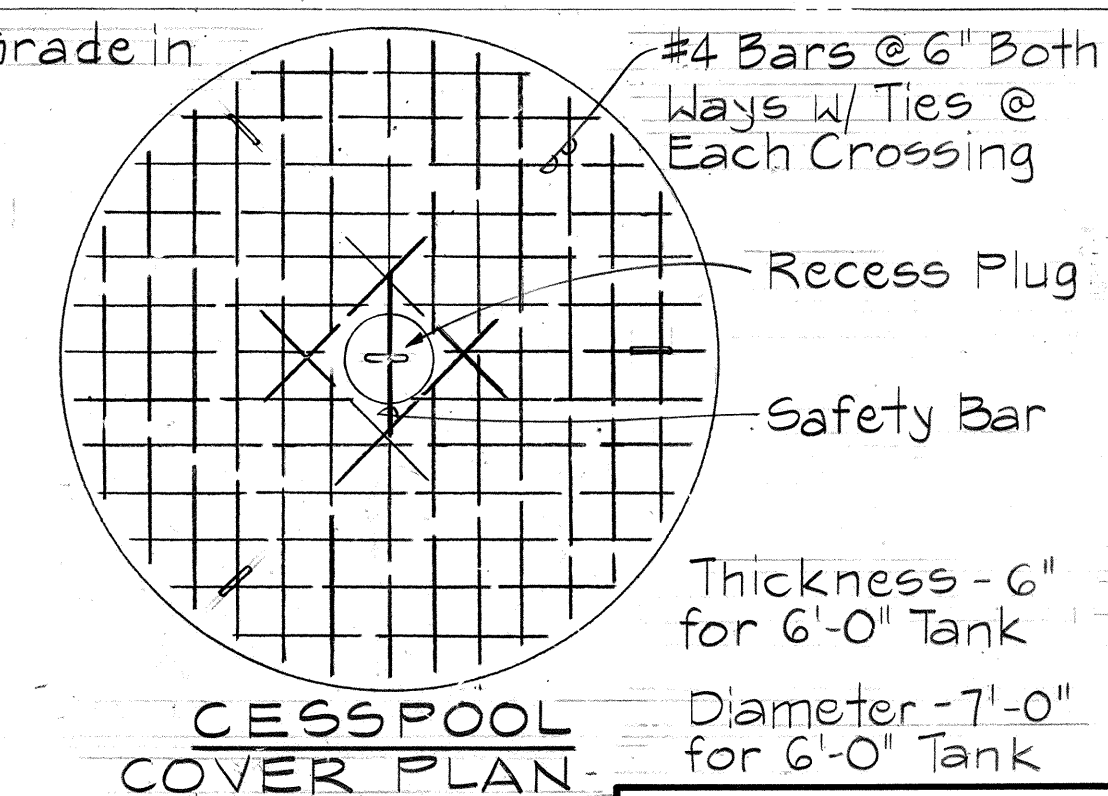
SECTION "B-B"

CESSPOOL DETAIL

Not to Scale



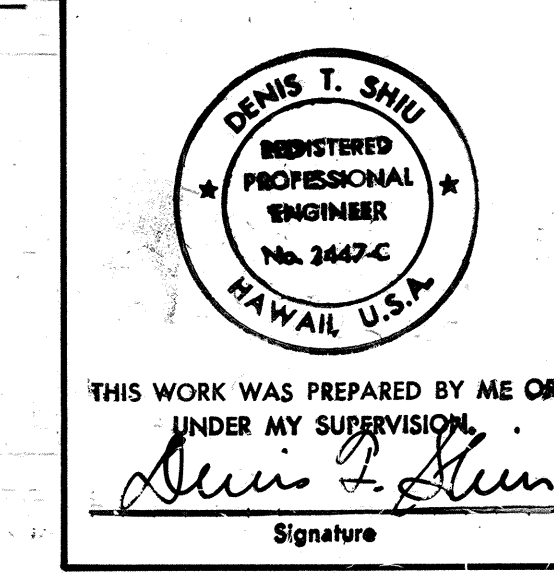
TYPICAL INSTALLATION



CESSPOOL COVER PLAN

APPROVED:
[Signature] 9/18/86
CHIEF, PLANNING & ENGINEERING, B.W.S. # DATE

DATE	REVISION
4/18/88	Added WIM Scale and PCC Paving Revised Curbing and A.C. Paving Added C.B. & Preamplifier Cabinet Det.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TRUCK WEIGH STATION LAYOUT
SAND ISLAND ROAD WIDENING
2ND BRIDGE AND APPROACHES
FEDERAL AID PROJECT NO. F-064-1(2)
SCALE: AS NOTED DATE: JUN, 1986
SHEET NO. H16 OF 23 SHEETS

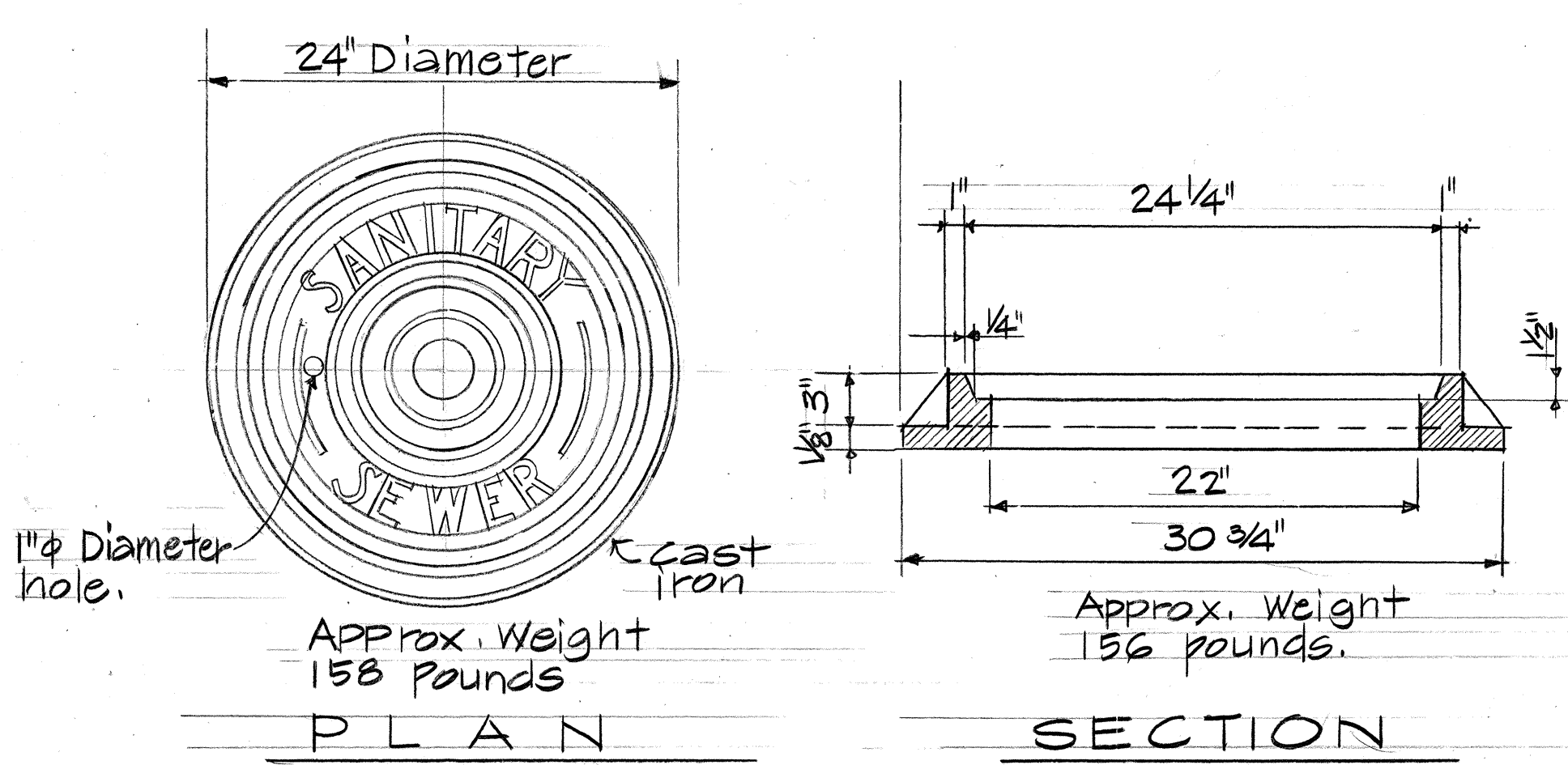
"AS-BUILT"

C.O. 20

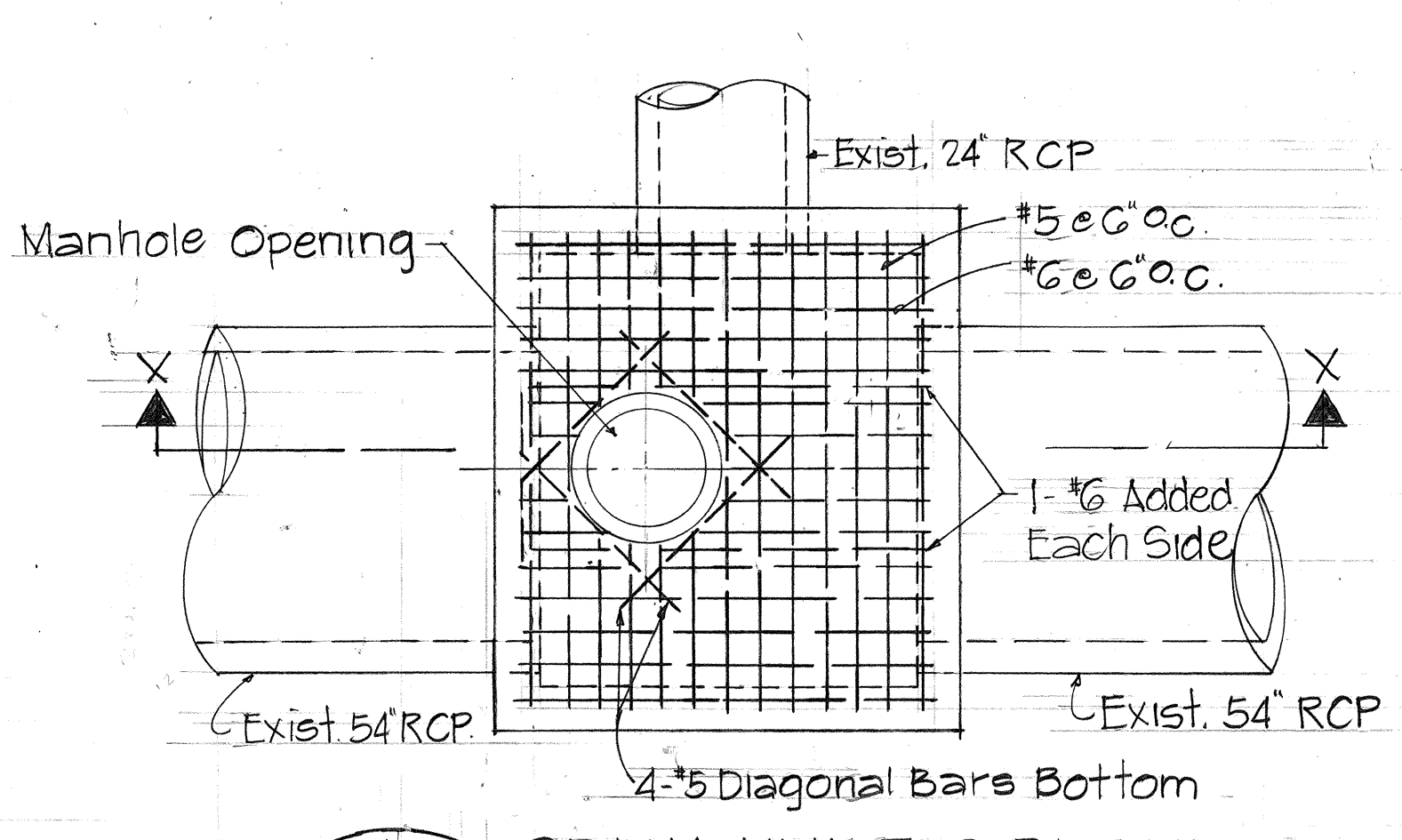
CROSS-OVER DETAIL

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-064-1(2)	1987	21	151

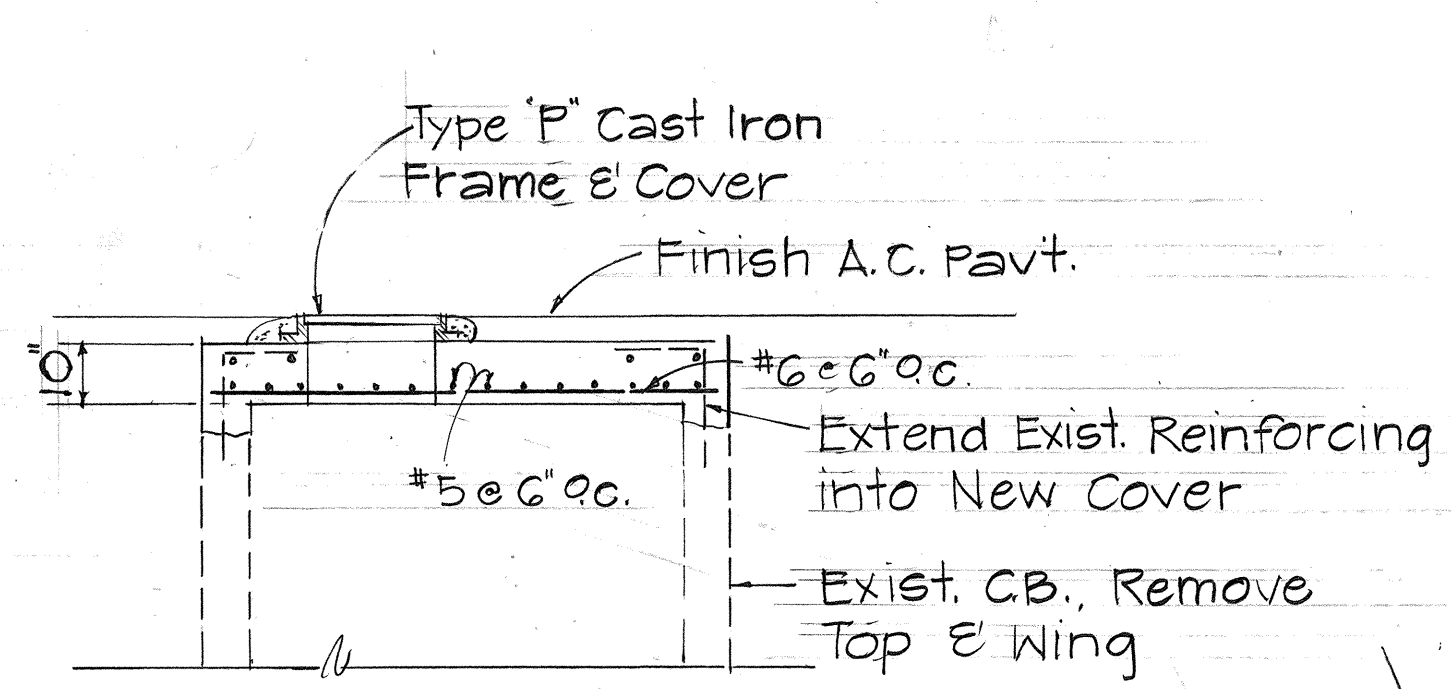
DATE	REVISION
2/1/88	Revised Road "A" E.P. Grades
4/17/89	Revised Road "A" E.P. Grades



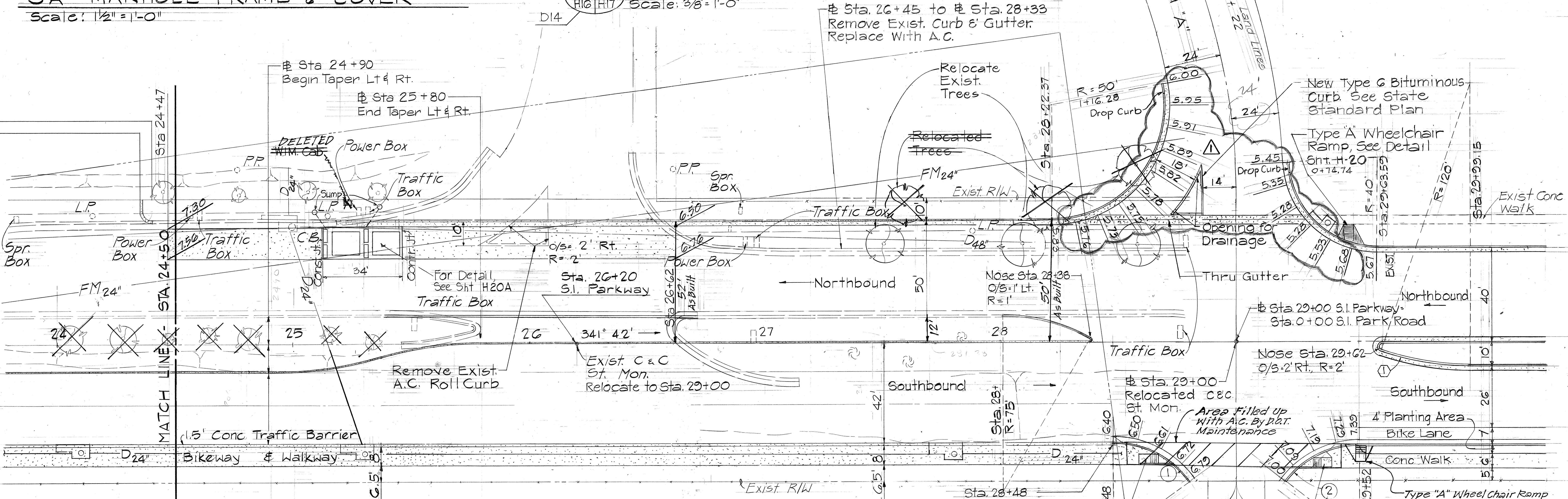
"SA" MANHOLE FRAME & COVER
Scale: 1/2" = 1'-0"



SDMH NEW TOP DETAIL
Scale: 3/8" = 1'-0"



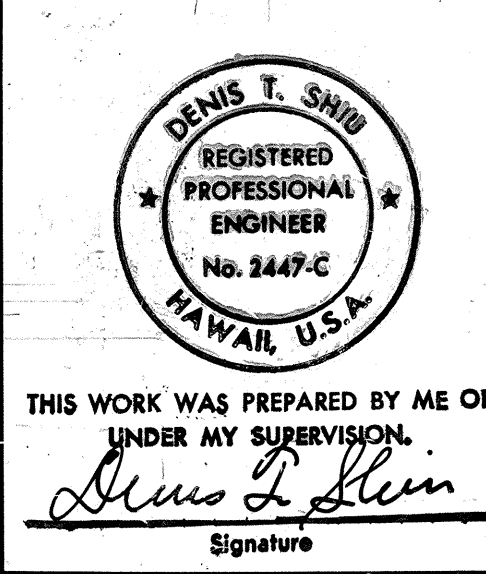
SECTION X-X
Scale: 3/8" = 1'-0"



E.P. CURVE DATA		
No.	(1)	(2)
Δ	54° 54' 02"	53° 07' 48"
Δ/2	27° 27' 01"	26° 33' 54"
R	40'	40'
T	20.78	20'
Lc	38.33	37.09'
C	36.88	35.78'

CURB DATA	
No.	(1)
Δ	18° 20' 50"
Δ/2	9° 10' 29.49"
R	120'
T	10.38'
Lc	38.43'
C	38.27'

Sta. 28+48
End Traffic Barrier See Detail, Sht. H-23
Type "C" Wheelchair Ramp See Detail Sht. H-20
Sta. 29+00
O/S-58' Rt.
Install New 24 Double Swing Chain Link Gate See State Standard Plan.
Entrance Closed



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**INTERSECTION DETAIL AT
STA. 26+20 ROAD A**

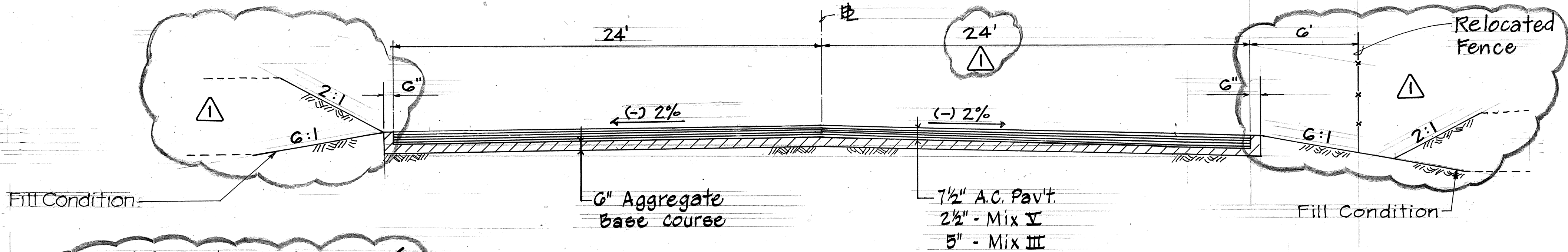
SAND ISLAND ROAD WIDENING
2ND BRIDGE AND APPROACHES
FEDERAL AID PROJECT NO. F-064-1(2)

SCALE: AS NOTED DATE: JUN, 1986
SHEET NO. H17 OF 23 SHEETS

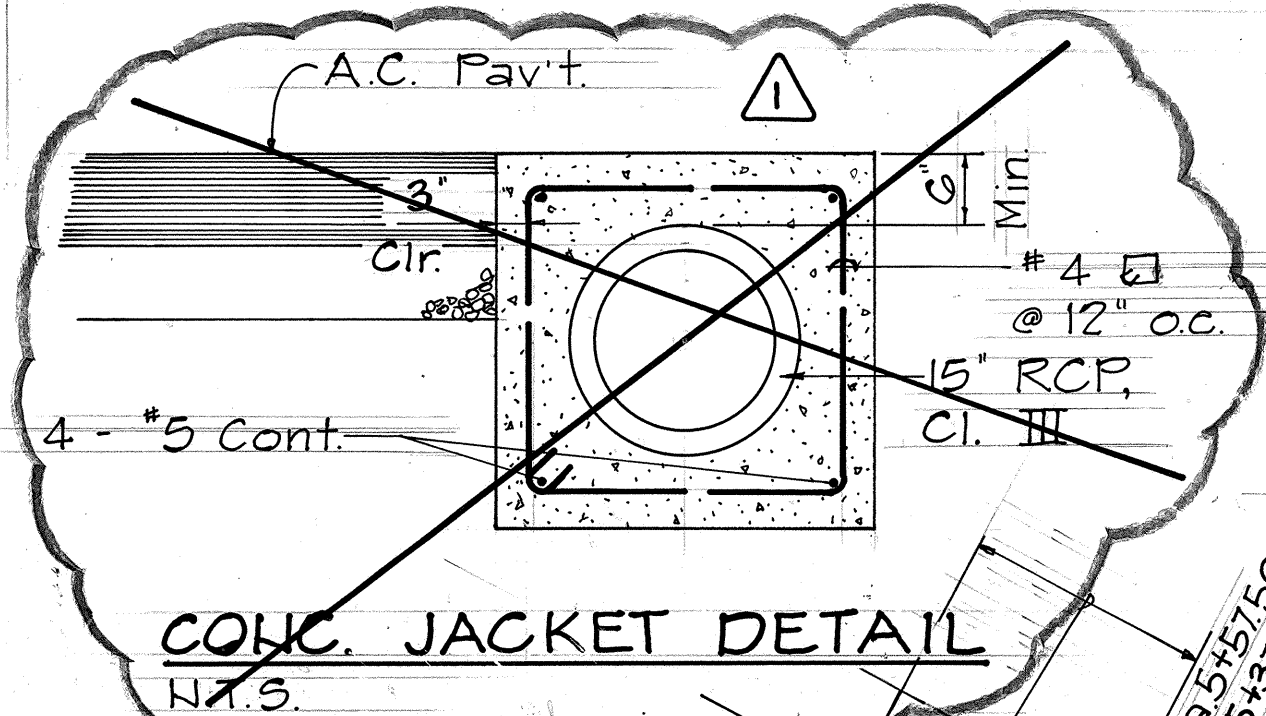
"AS-BUILT"

C.O. 21

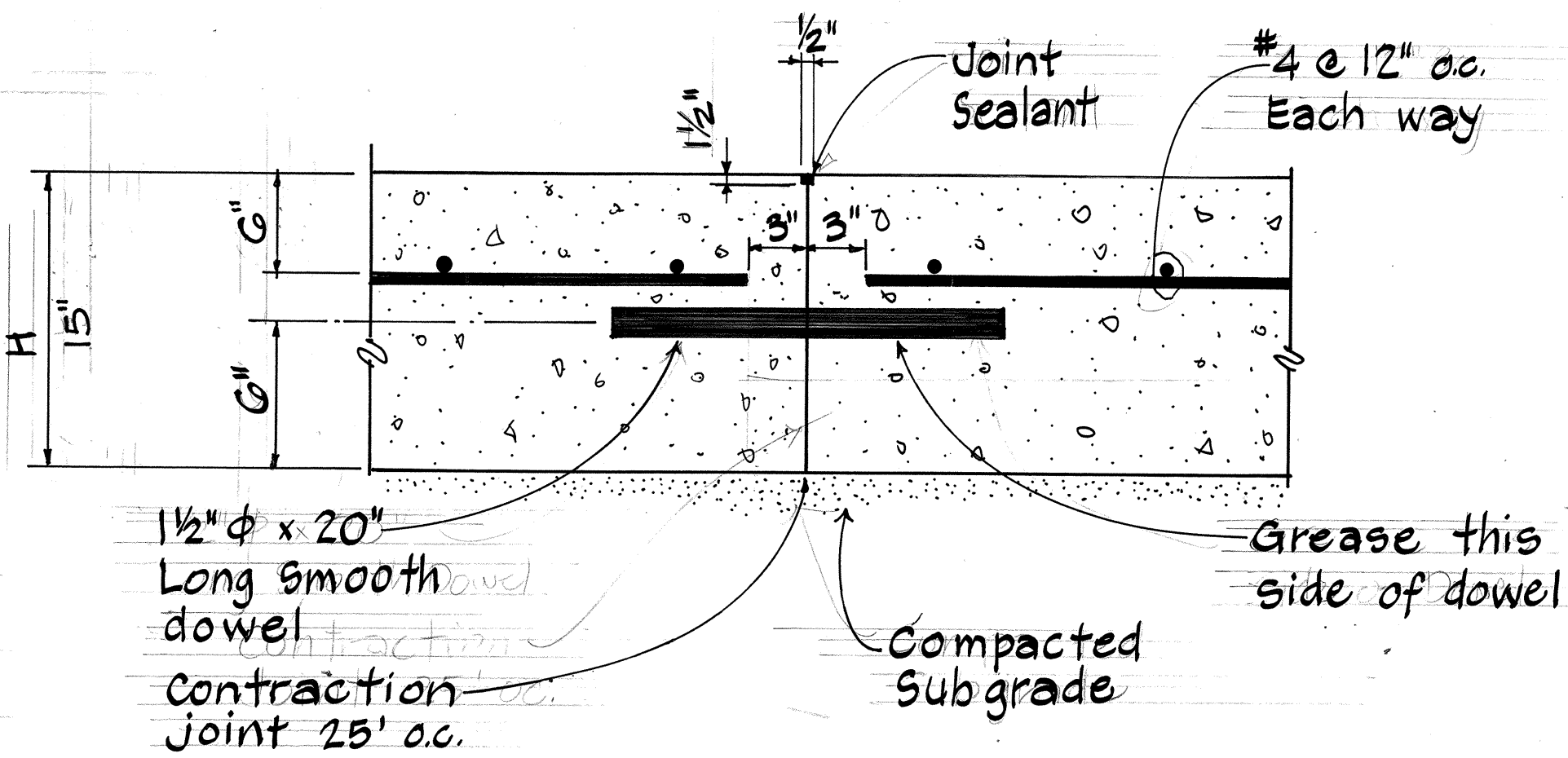
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-064-1(2)	1987	22	151



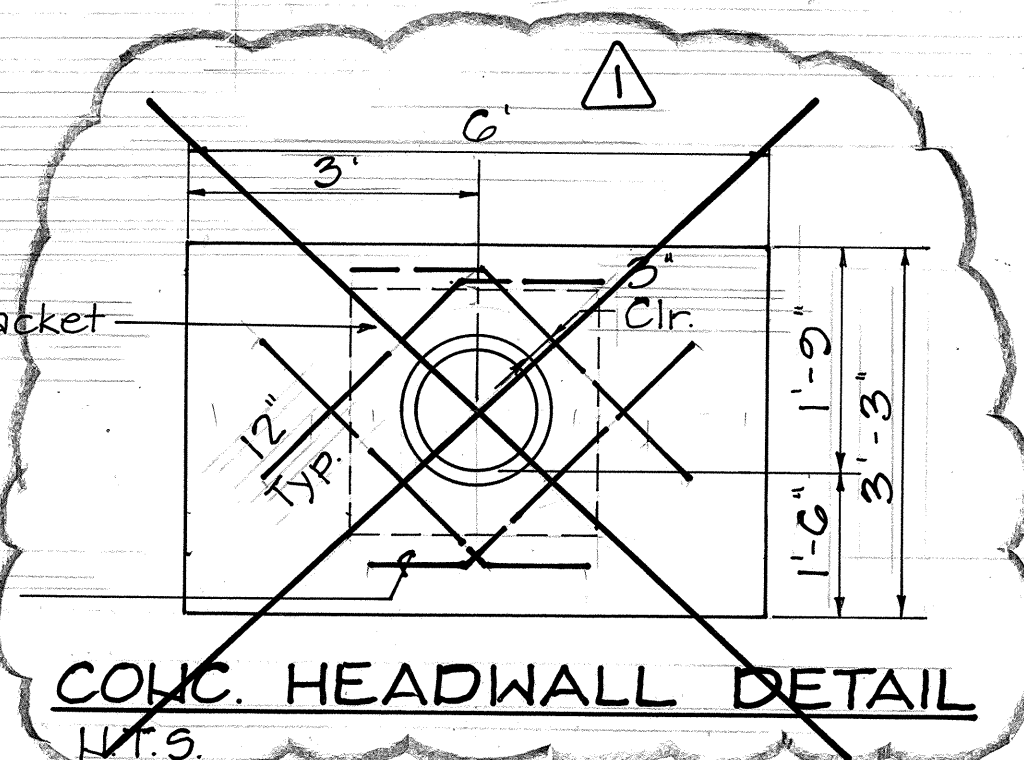
Sta. 1+02 to Sta. 4+51
RELOCATED ROAD "A" - TYPICAL SECTION
 Scale: 1/4" = 1'-0"



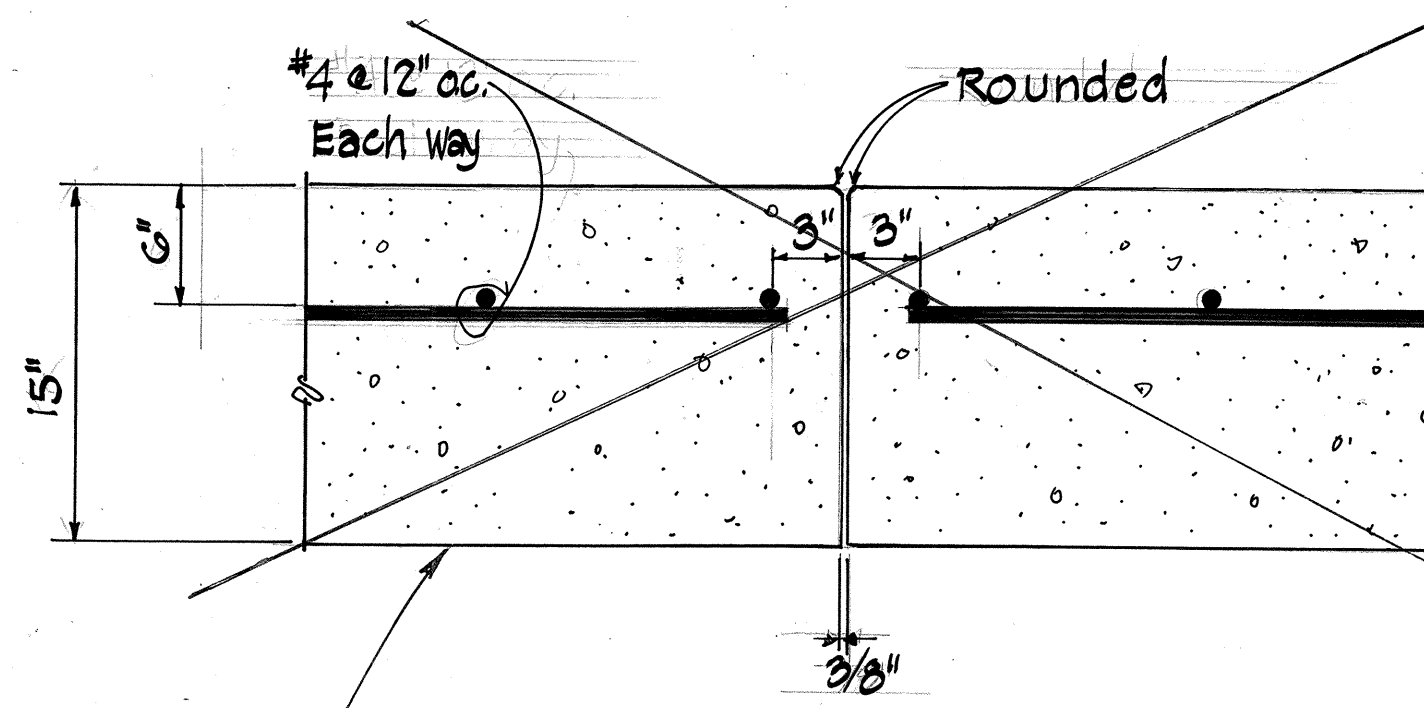
- Notes:**
1. Match New PCC Pavement with existing A.C. Provide Smooth Riding Connection.
 2. The PCC Pavement shall be free from Bumps and Waves so that the surface is smooth to 1/8 inch within any 12 foot area.



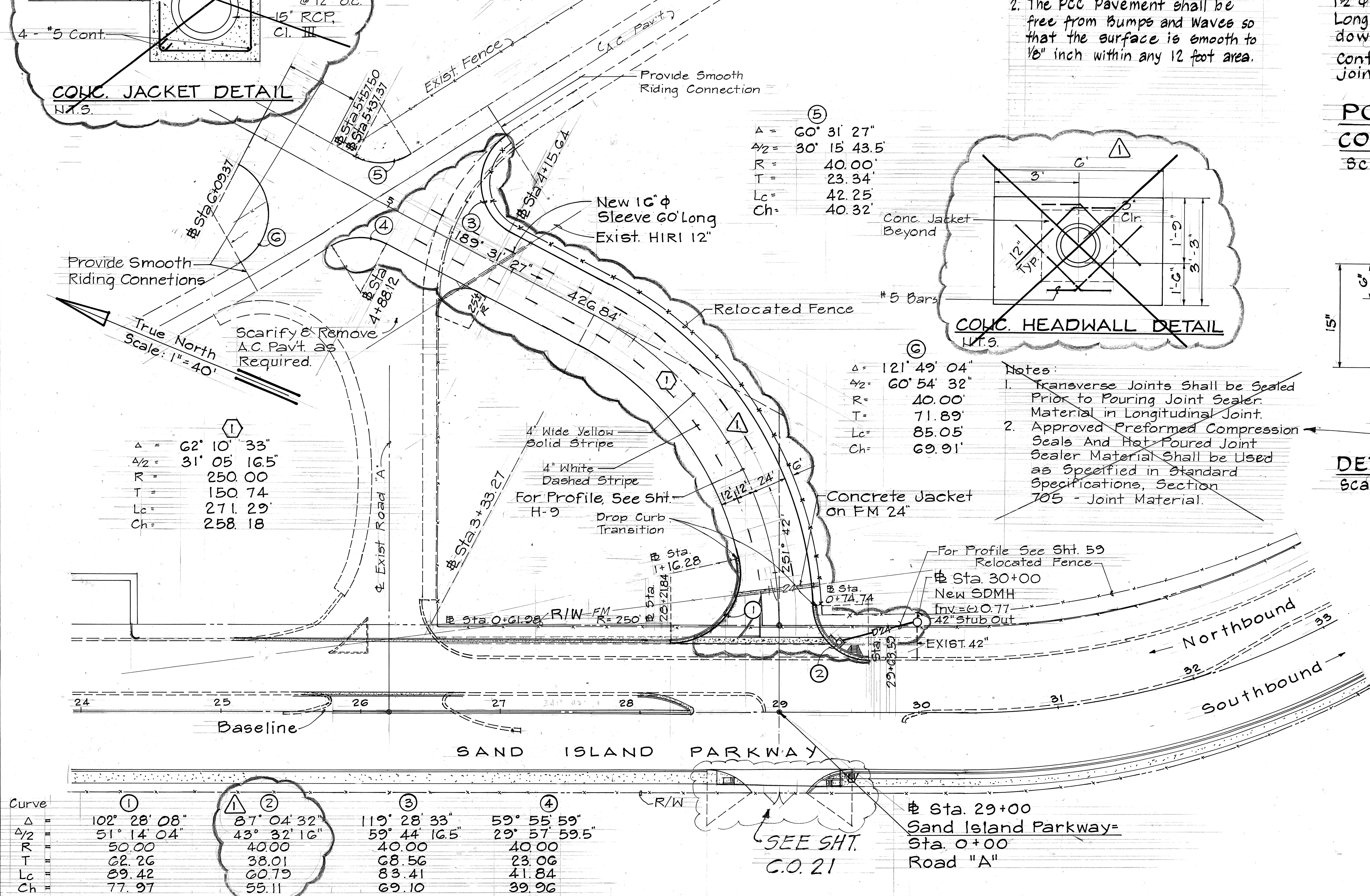
PCC PAVEMENT AND CONTRACTION JOINT DETAIL
 Scale: 1/2" = 1'-0"



- Notes:**
1. Transverse Joints Shall be Sealed Prior to Pouring Joint Sealer. Material in Longitudinal Joint.
 2. Approved Preformed Compression Seals And Hot Poured Joint Sealer Material Shall be Used as Specified in Standard Specifications, Section 705 - Joint Material.



DETAIL OF TRANSVERSE JOINT
 Scale: 1/2" = 1'-0"



Δ =	62° 10' 33"
Δ/2 =	31° 05' 16.5"
R =	250.00
T =	150.74
Lc =	271.29
Ch =	258.18

Δ =	60° 31' 27"
Δ/2 =	30° 15' 43.5"
R =	40.00
T =	23.34
Lc =	42.25
Ch =	40.32

Δ =	121° 49' 04"
Δ/2 =	60° 54' 32"
R =	40.00
T =	71.89
Lc =	85.05
Ch =	69.91

Curve	①	②	③	④
Δ	102° 28' 08"	87° 04' 32"	119° 28' 33"	59° 55' 59"
Δ/2	51° 14' 04"	43° 32' 16"	59° 44' 16.5"	29° 57' 59.5"
R	50.00	40.00	40.00	40.00
T	62.26	38.01	68.56	23.06
Lc	69.42	60.79	83.41	41.84
Ch	77.97	55.11	69.10	39.96

4/17/89	Revised Road "A" Plan and Section
2/1/89	Revised Road "A" Typical Section. Added D24 At Sta 28+21.84 LT. Added 16 inch Pipe Sleeve. Added Conc. Jacket on 24 inch F.M.
4/18/80	Relocated Road "A", Revised Curb And A.C. Pav't, Added Drainline, Added Road "A" Typical Section
DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROAD A & PAV'T. DETAILS

SAND ISLAND ROAD WIDENING
 2ND BRIDGE AND APPROACHES
 FEDERAL AID PROJECT NO. F-064-1(2)

SCALE: AS NOTED DATE: JUN. 1986

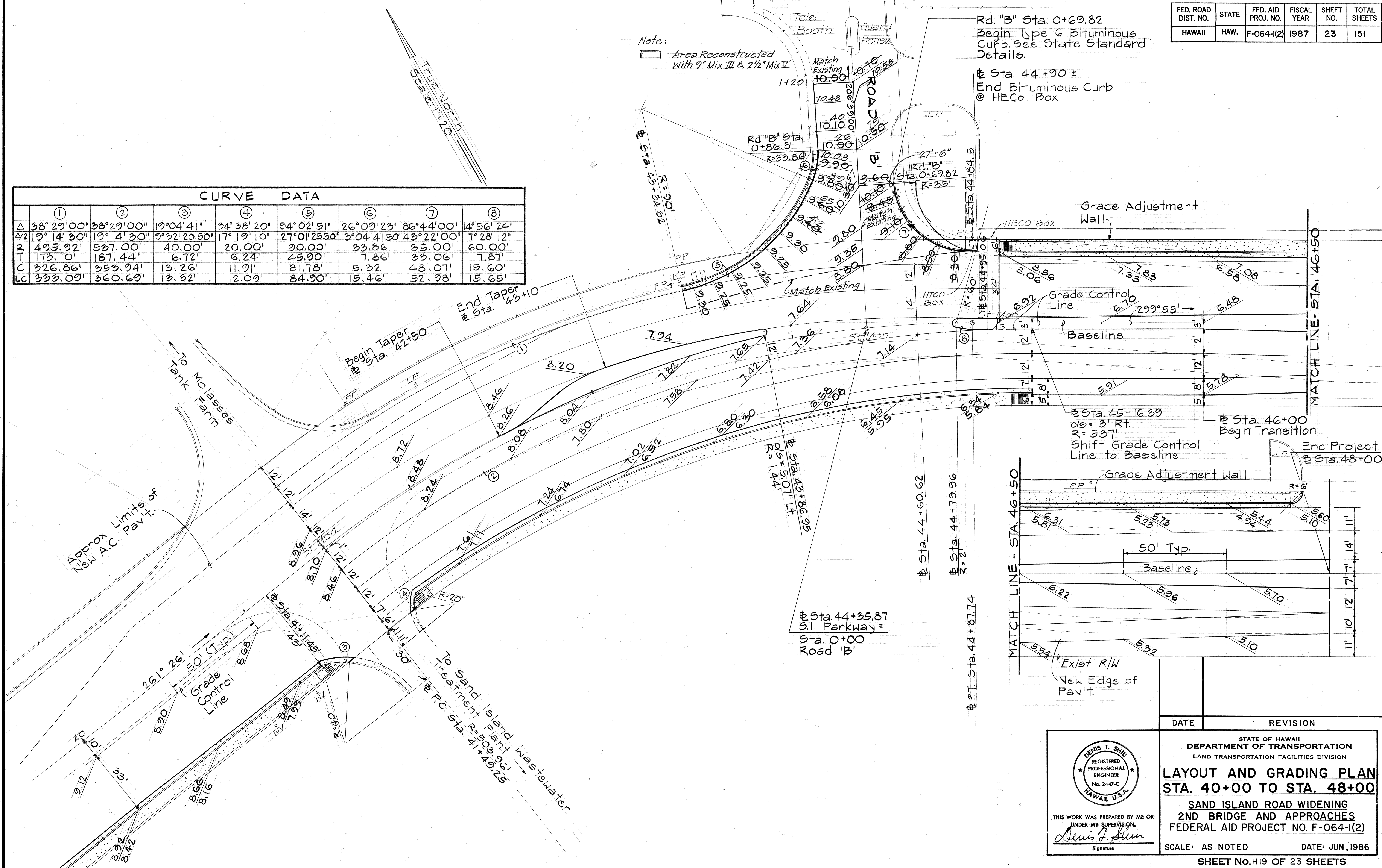
SHEET NO. 118 OF 23 SHEETS

"AS-BUILT"

C.O. 22

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-064-I(2)	1987	23	151

CURVE DATA								
	①	②	③	④	⑤	⑥	⑦	⑧
Δ	38° 29' 00"	38° 29' 00"	19° 04' 41"	34° 38' 20"	54° 02' 51"	26° 09' 23"	86° 44' 00"	4° 56' 24"
AY	19° 14' 30"	19° 14' 30"	9° 32' 20.50"	17° 19' 10"	27° 01' 25.50"	13° 04' 41.50"	43° 22' 00"	7° 28' 12"
R	425.92'	537.00'	40.00'	20.00'	90.00'	33.86'	35.00'	60.00'
T	173.10'	187.44'	6.72'	6.24'	45.90'	7.86'	33.06'	7.81'
C	326.86'	353.94'	13.26'	11.91'	81.78'	15.32'	48.07'	15.60'
LC	333.09'	360.69'	13.32'	12.09'	84.90'	15.46'	52.98'	15.65'



ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

DENIS T. SHIN
 REGISTERED
 PROFESSIONAL
 ENGINEER
 No. 2447-C
 HAWAII, U.S.A.

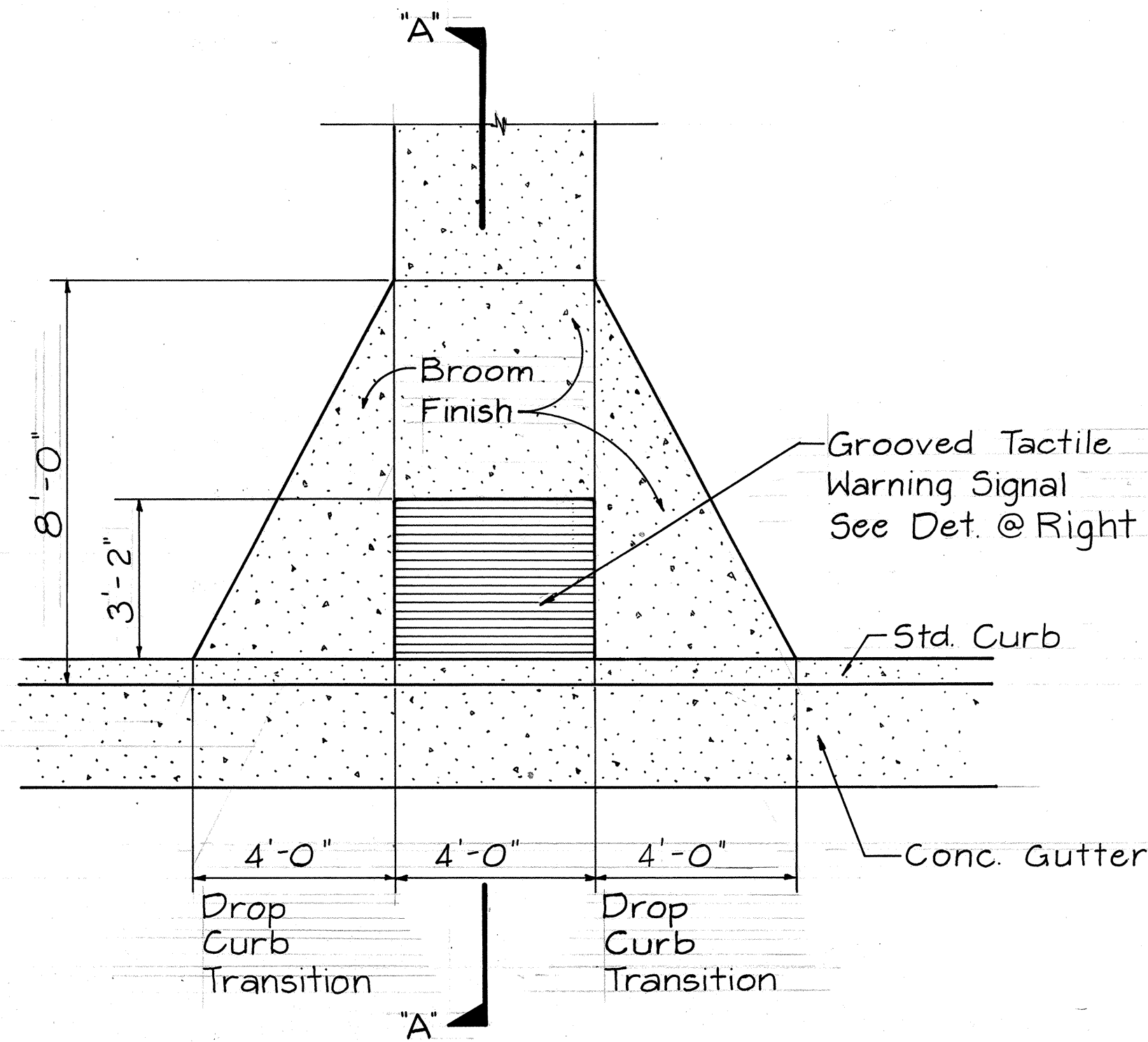
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Denis T. Shin
Signature

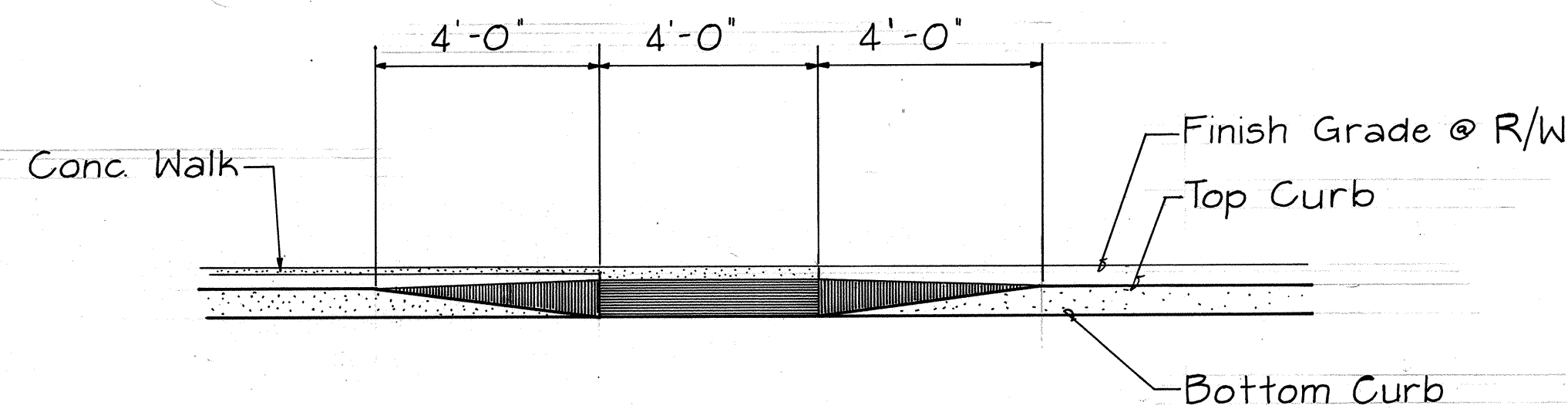
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION LAND TRANSPORTATION FACILITIES DIVISION LAYOUT AND GRADING PLAN STA. 40+00 TO STA. 48+00 SAND ISLAND ROAD WIDENING 2ND BRIDGE AND APPROACHES FEDERAL AID PROJECT NO. F-064-I(2)	
SCALE: AS NOTED	DATE: JUN, 1986
SHEET NO. H19 OF 23 SHEETS	

"AS-BUILT"

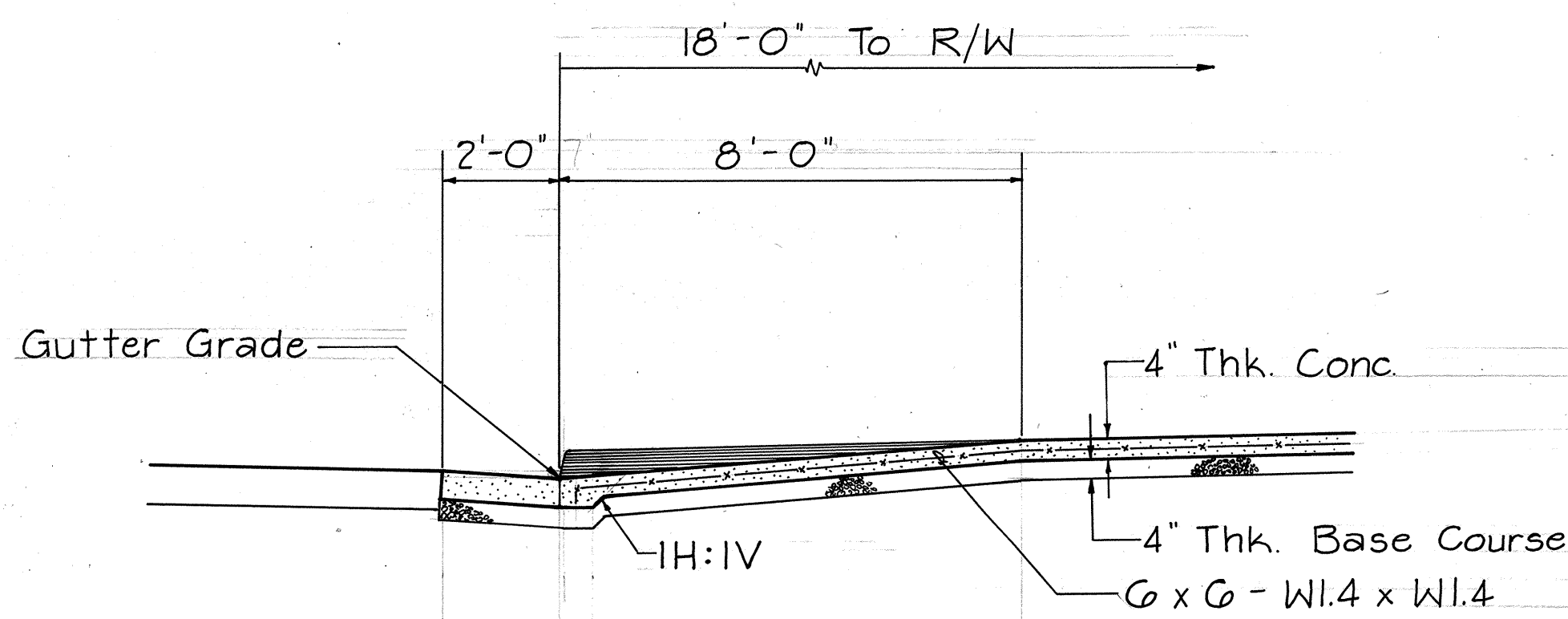
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-064-1(2)	1987	24	151



PLAN

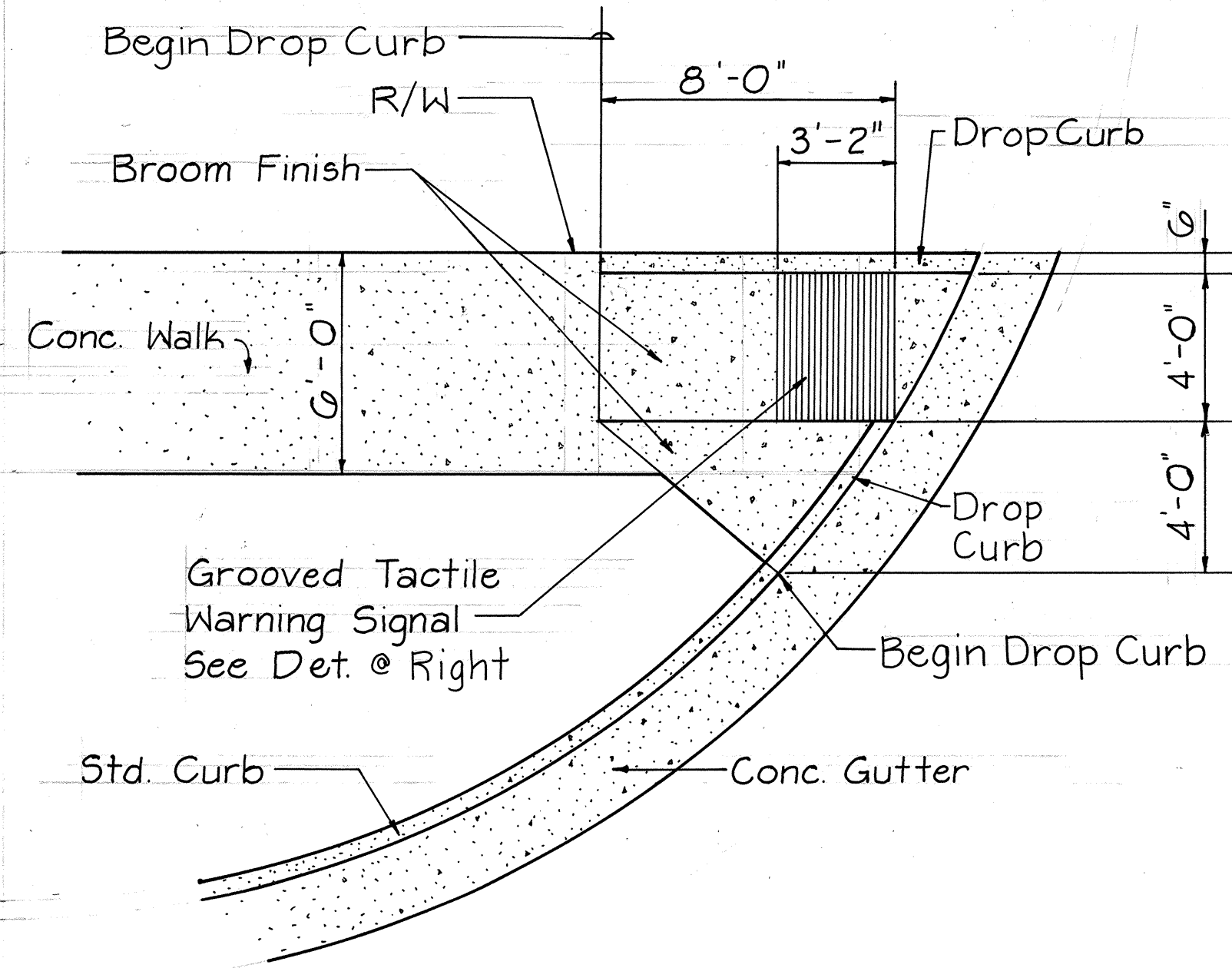


ELEVATION

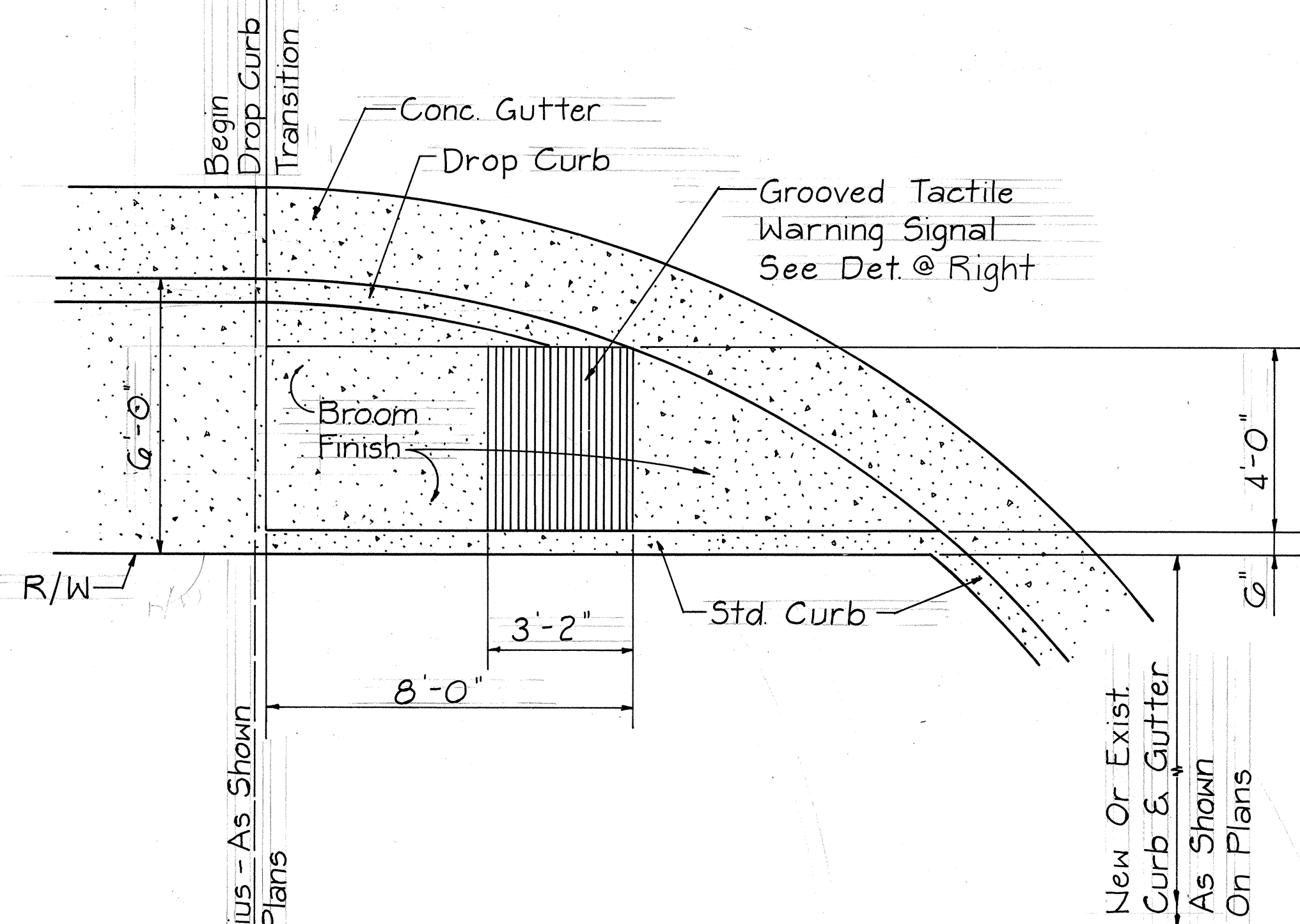


SECTION "A"-A"

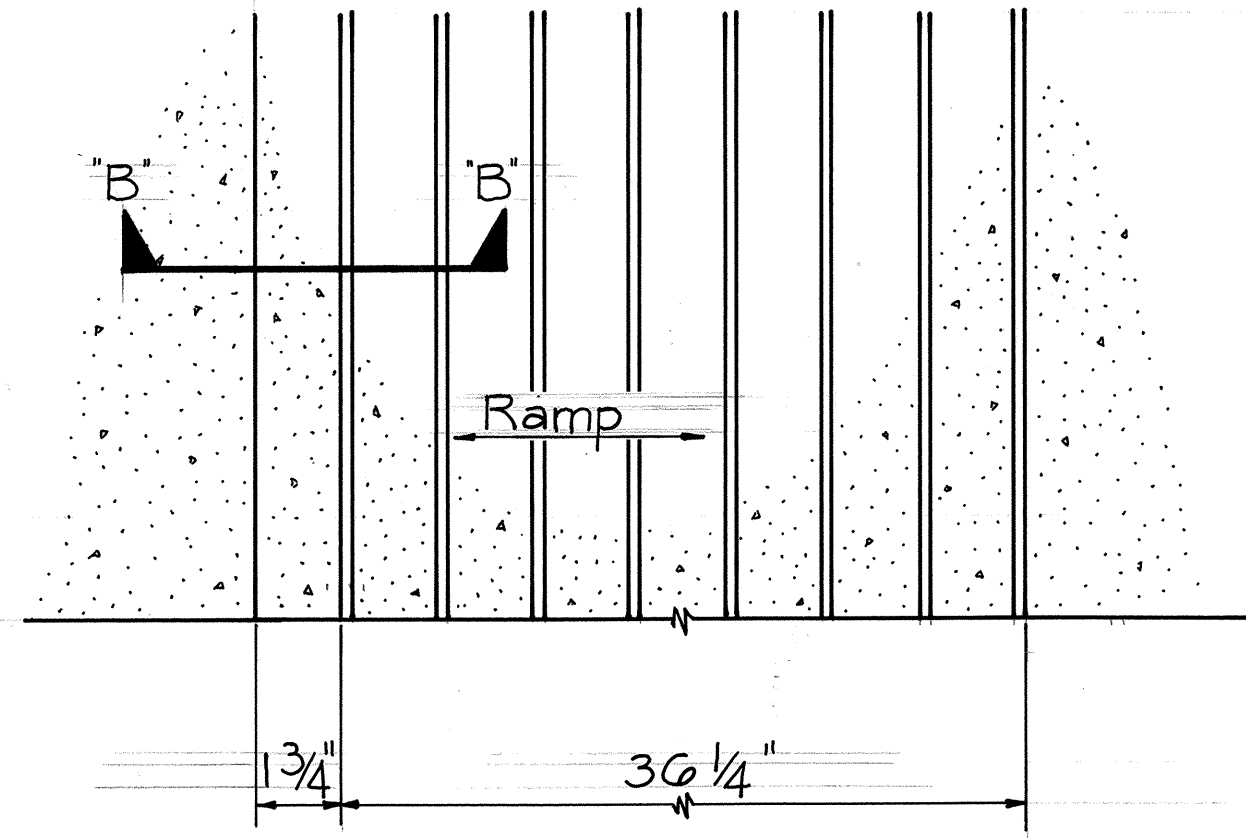
WHEELCHAIR RAMP TYPE "A"
Scale: 3/8" = 1'-0"



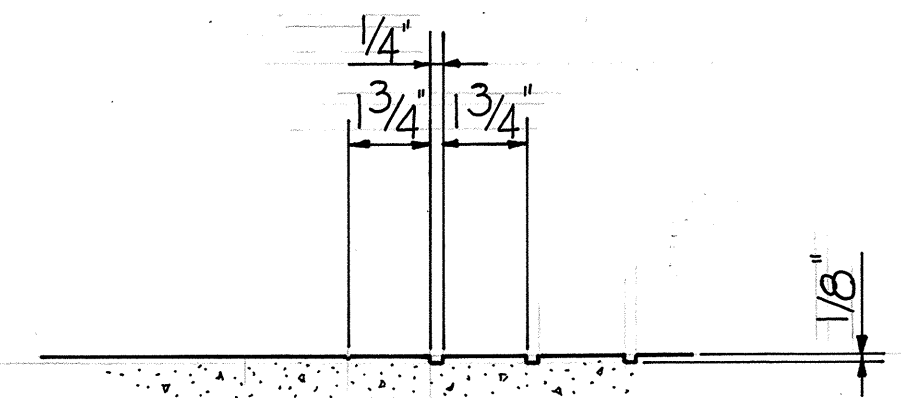
WHEELCHAIR RAMP TYPE "B"
Scale: 1/4" = 1'-0"



WHEELCHAIR RAMP TYPE "C"
Scale: 3/8" = 1'-0"



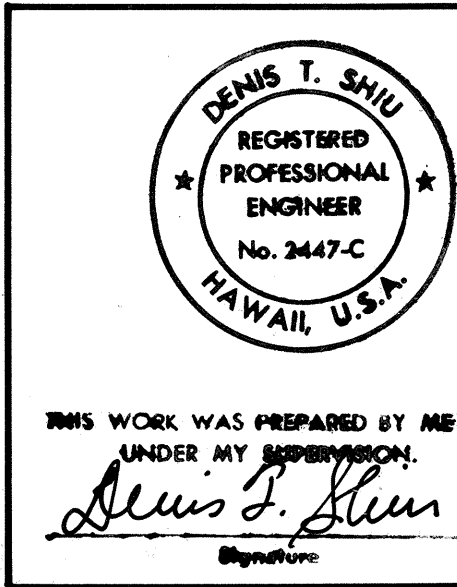
PLAN



SECTION "B"-B"

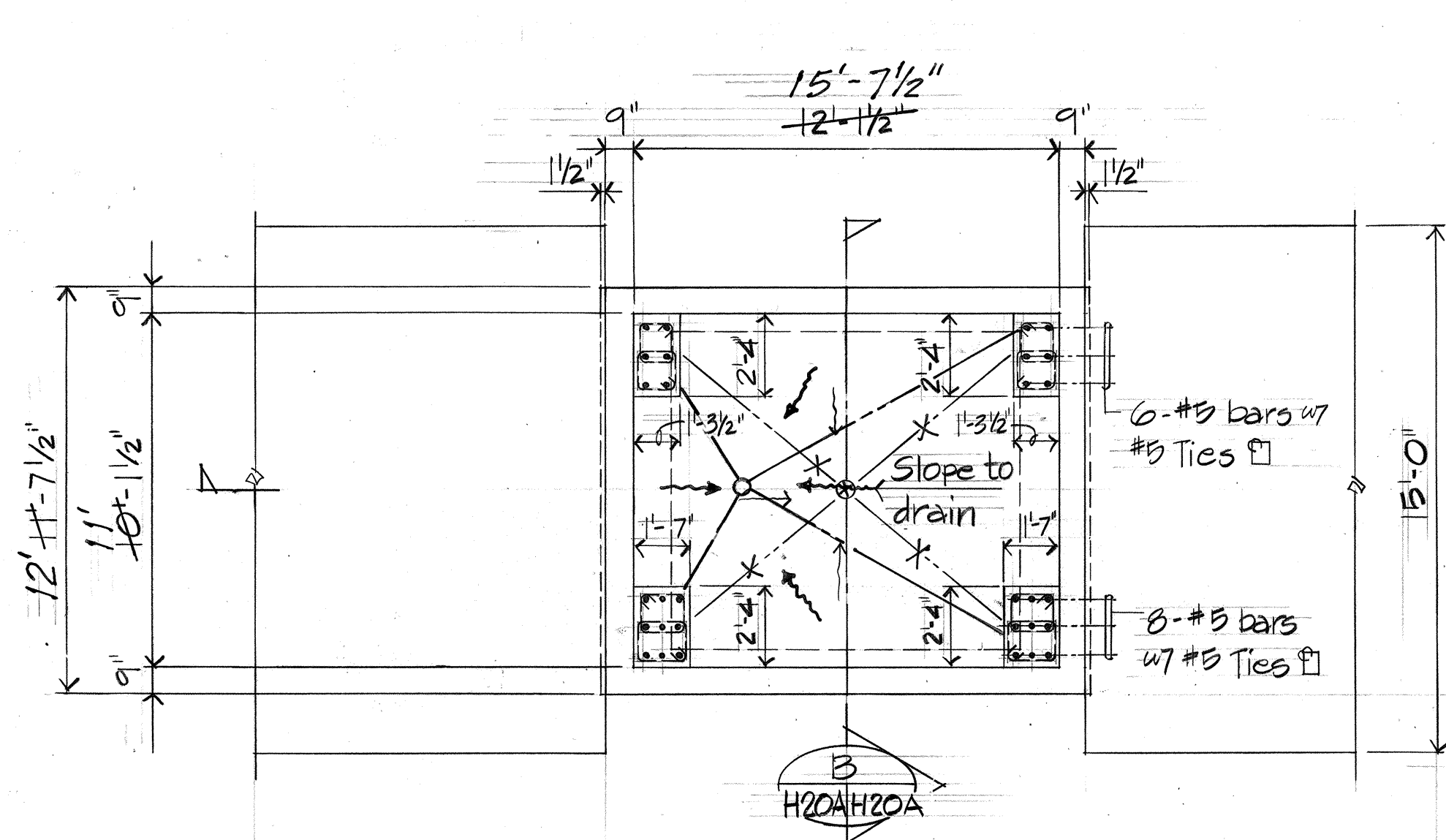
DETAIL - GROOVED TACTILE WARNING SIGNAL
Scale: 3" = 1'-0"

ORIGINAL PLAN	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
No.	



DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
WHEELCHAIR RAMP DETAILS	
SAND ISLAND ROAD WIDENING 2ND BRIDGE AND APPROACHES FEDERAL AID PROJECT NO. F-064-1(2)	
SCALE: AS NOTED	DATE: JUN, 1986
SHEET NO. H20 OF 23 SHEETS	

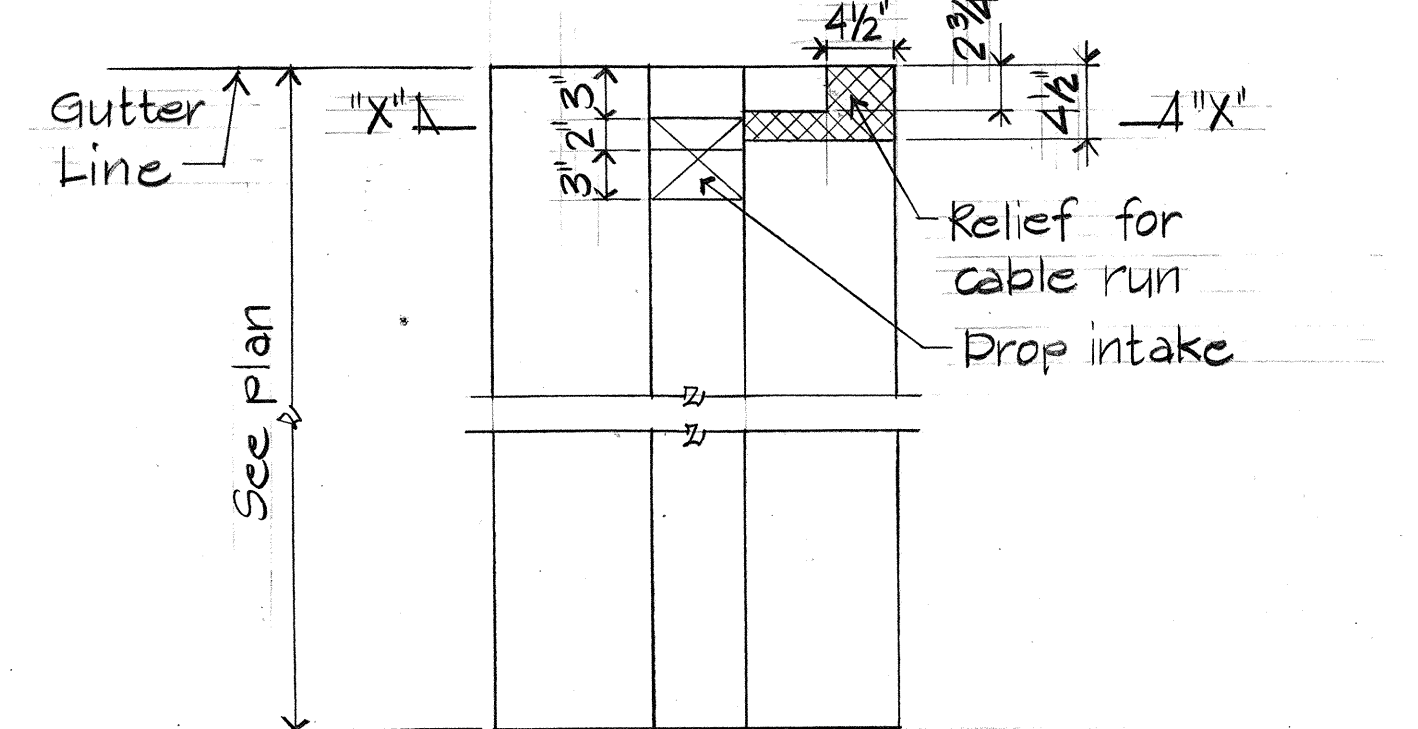
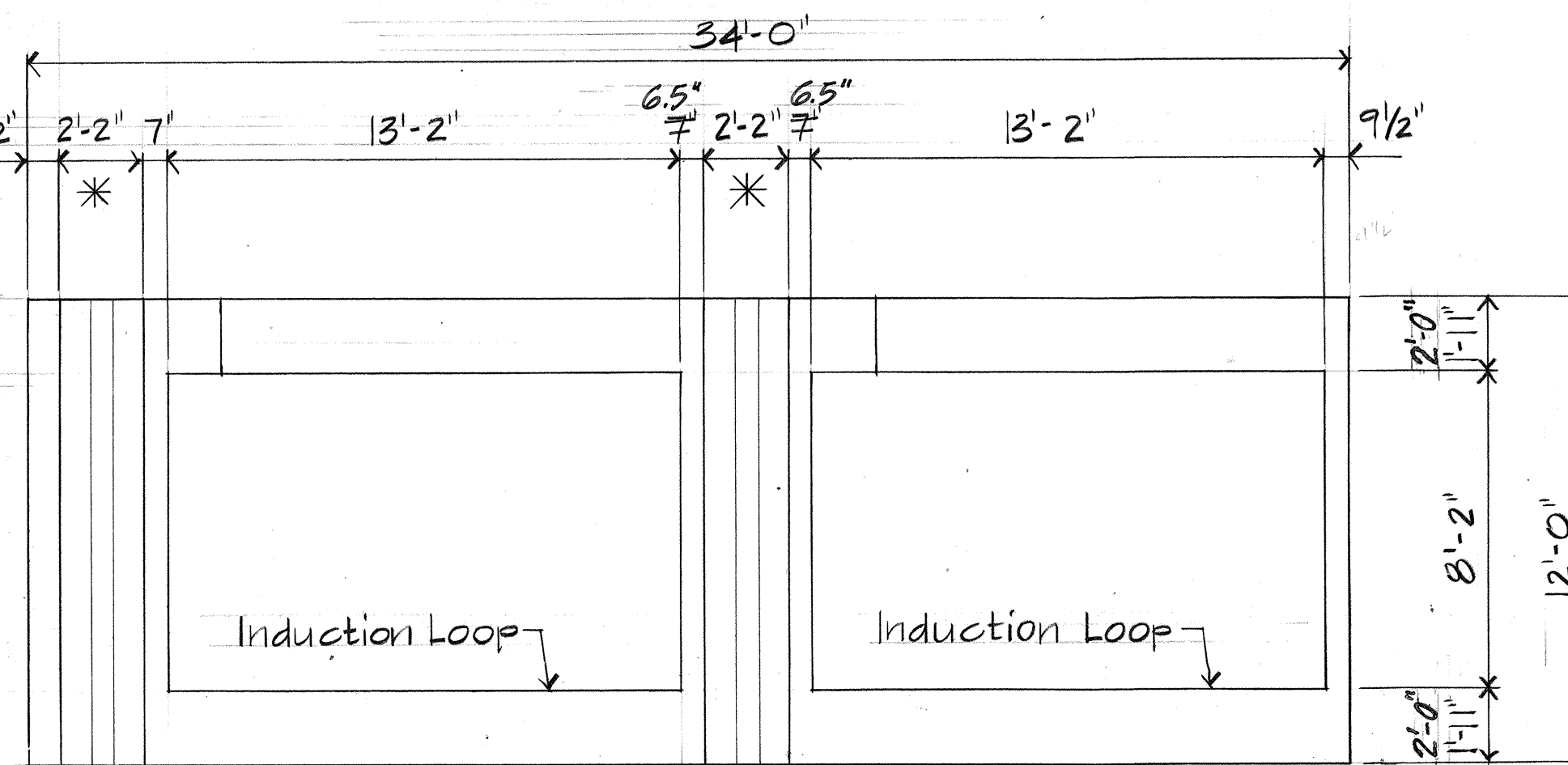
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-064-1(2)	1987	24S-1	151



1 STATIC SCALE PIT PLAN (SYSTEM C)
H20A/H20A Scale: 1/4" = 1'-0"

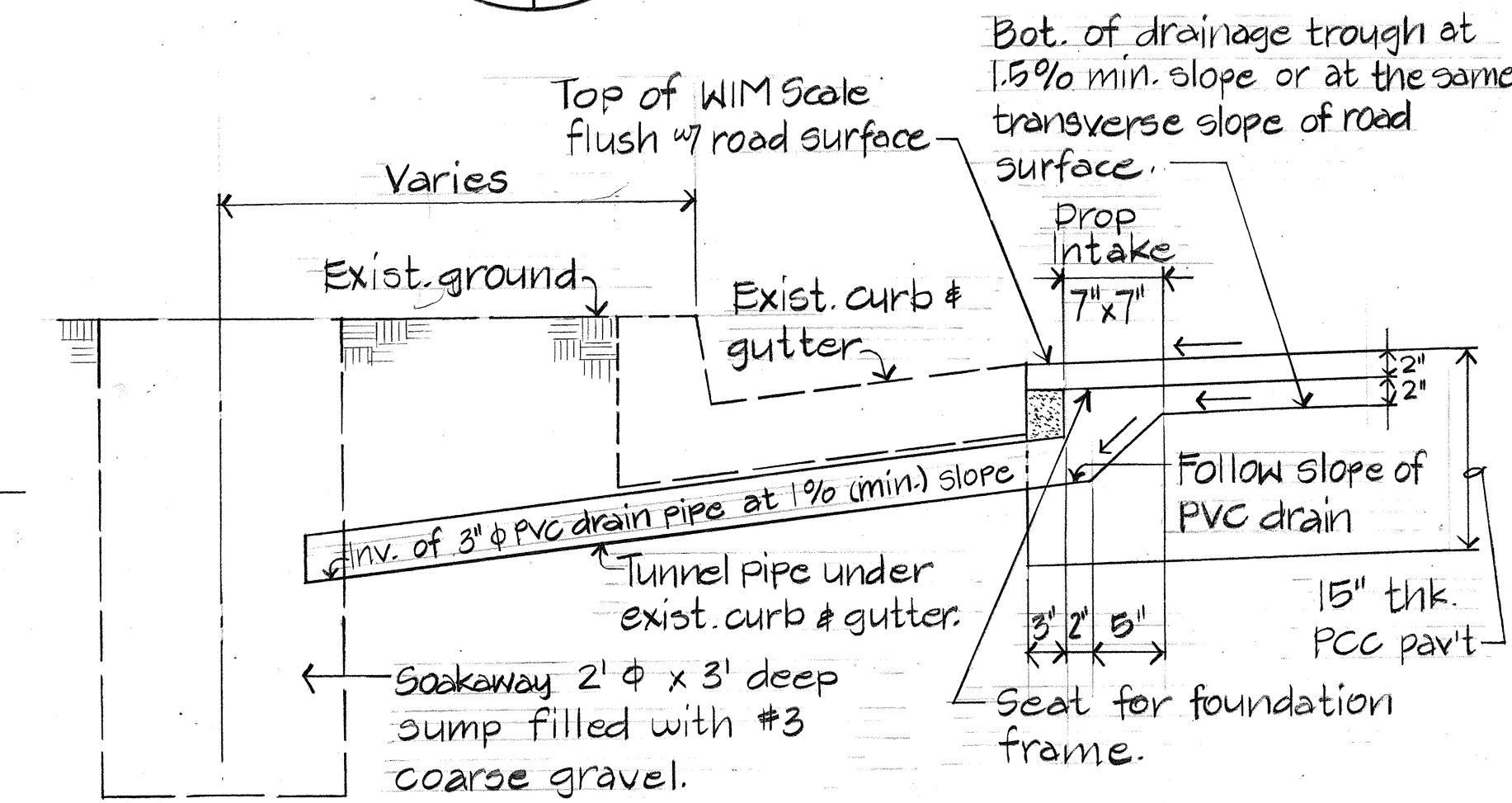
Note
 $f_c = 3500 \text{ psi}$
 $f_y = 60,000 \text{ psi}$
 Bearing Pressure = 1 ksf
 Concrete Finish
 Class 1

3 LAYOUT PLAN - WIM SCALE (SYSTEM A)
H20A/H20A Scale: 1/4" = 1'-0"

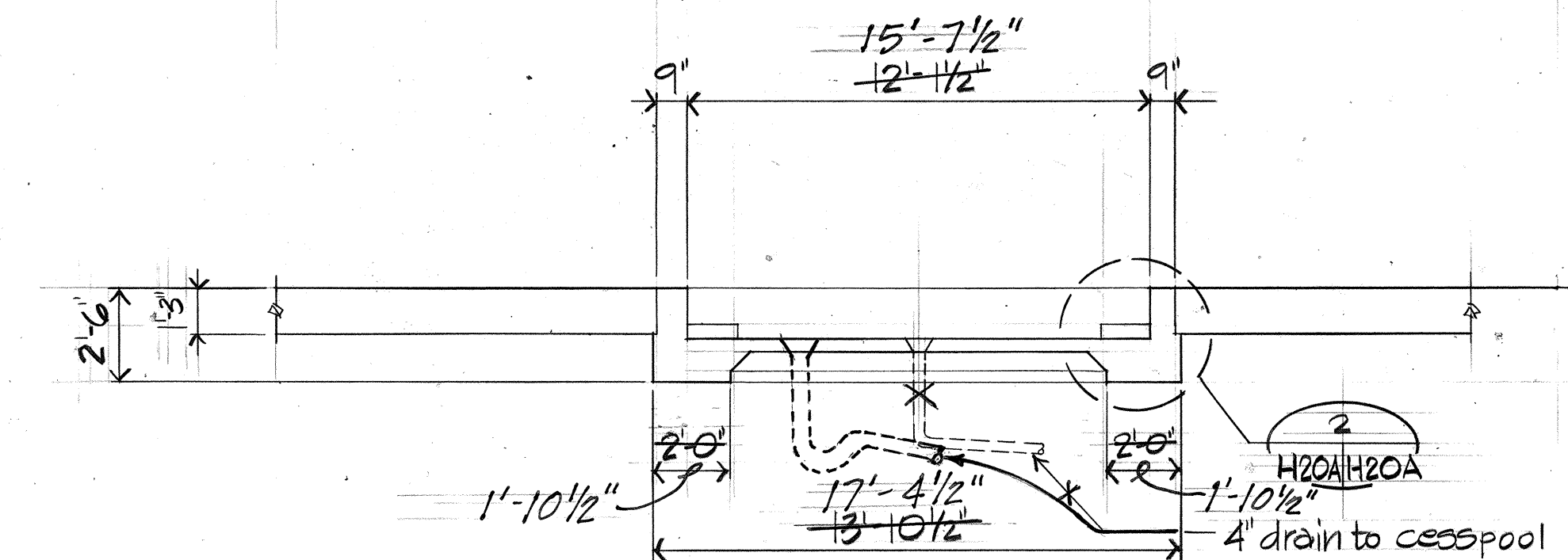


*Varies, if necessary, to maintain min. slope at drain trough.

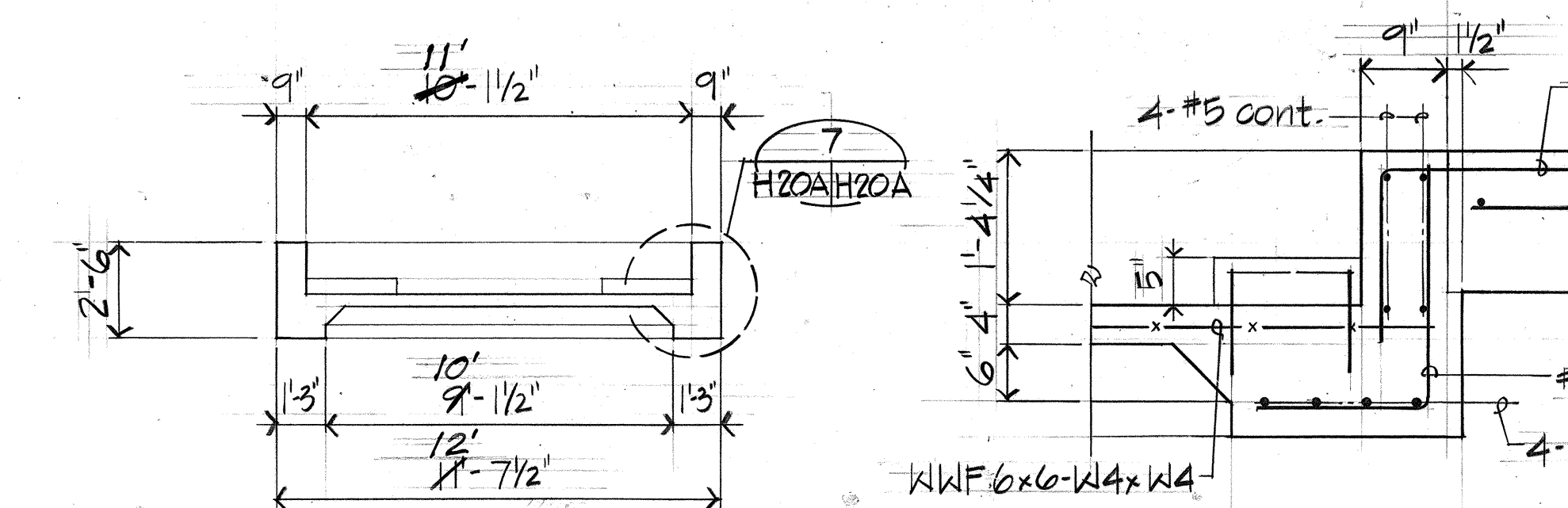
5 PIT FOR FOUNDATION FRAME
H20A/H20A No Scale



6 TYPICAL DRAINAGE DETAIL AT LOWER END OF FRAME BLOCKOUT
H20A/H20A No Scale

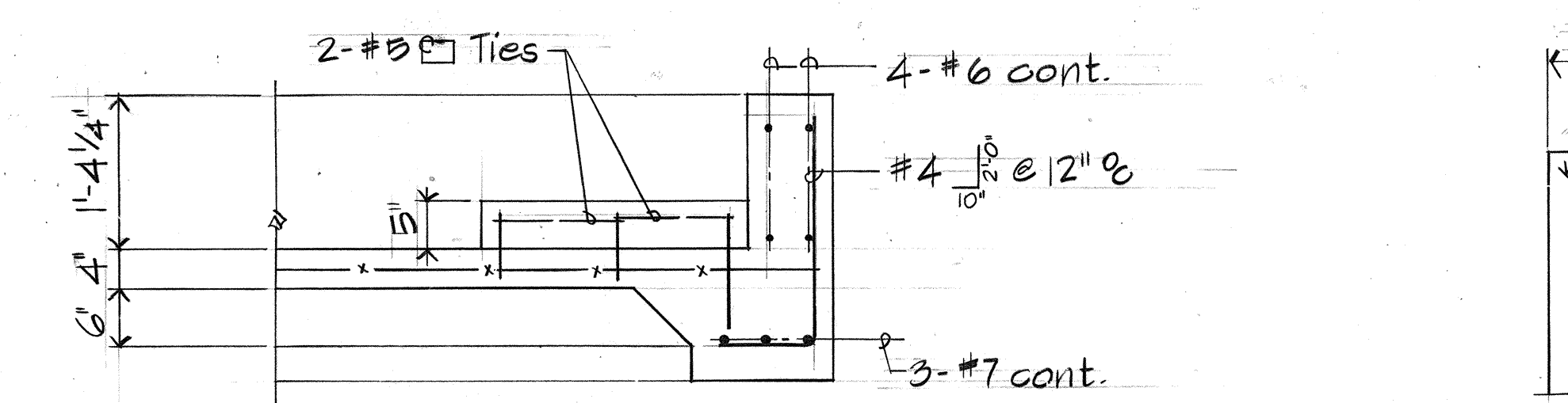


A SECTION
H20A/H20A Scale: 1/4" = 1'-0"



B SECTION
H20A/H20A Scale: 1/4" = 1'-0"

2 DETAIL
H20A/H20A Scale: 3/4" = 1'-0"



7 DETAIL
H20A/H20A Scale: 3/4" = 1'-0"

8 DETAIL
H20A/H20A Scale: 1/2" = 1'-0"

4 LAYOUT PLAN - WIM SCALES (SYSTEM B)
H20A/H20A Scale: 1/4" = 1'-0"



4/18/88 Added This Sheet
 DATE REVISION

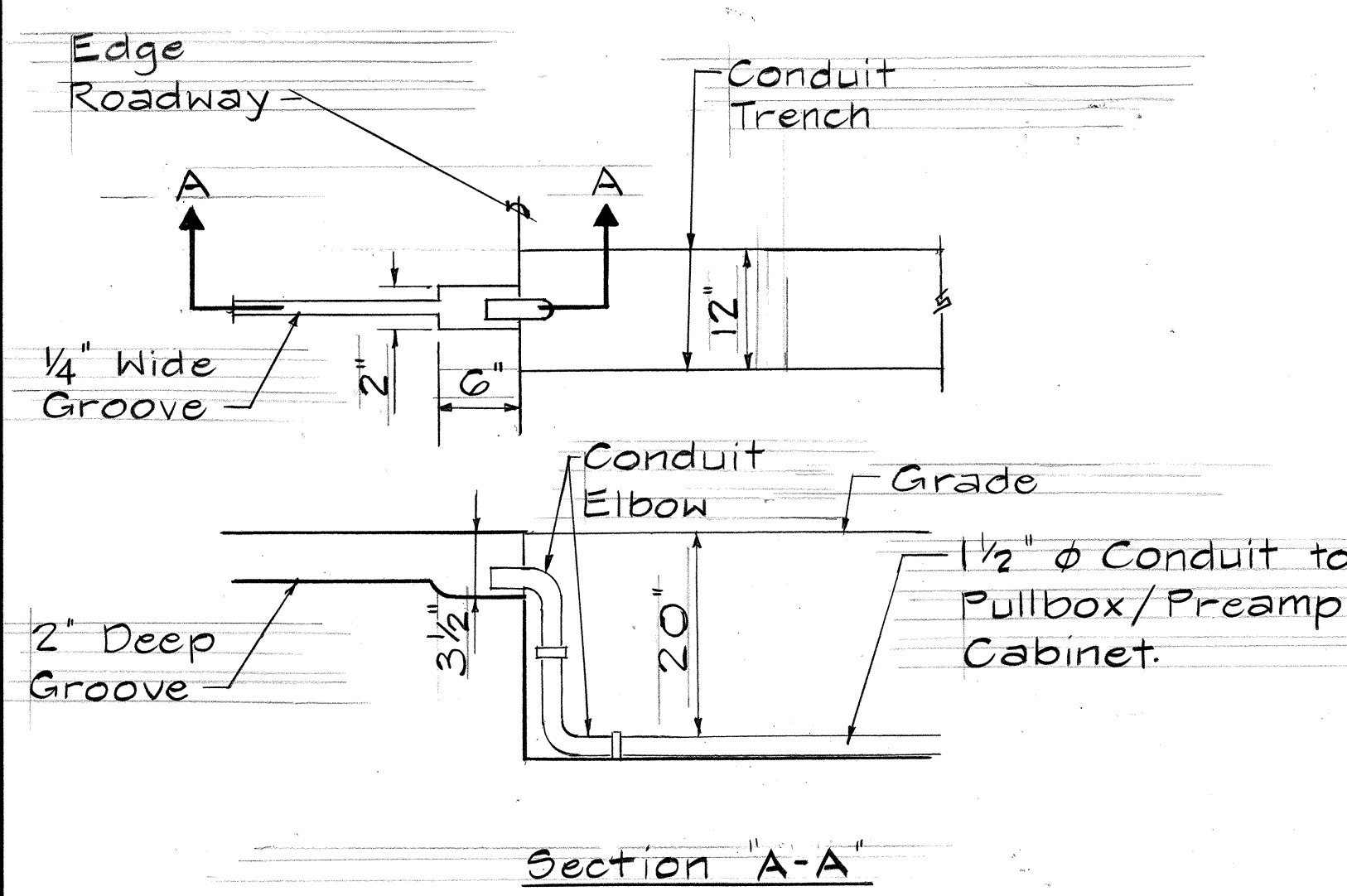
"AS-BUILT"

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
SCALE DETAILS
 SAND ISLAND ROAD WIDENING
 2ND BRIDGE AND APPROACHES
 FEDERAL AID PROJECT NO. F-064-1(2)

SCALE AS NOTED DATE FEB. 1988
 SHEET NO. H20A OF 23 SHEETS

C.O. 24S-1

ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	



TRENCH DETAIL
Not to Scale

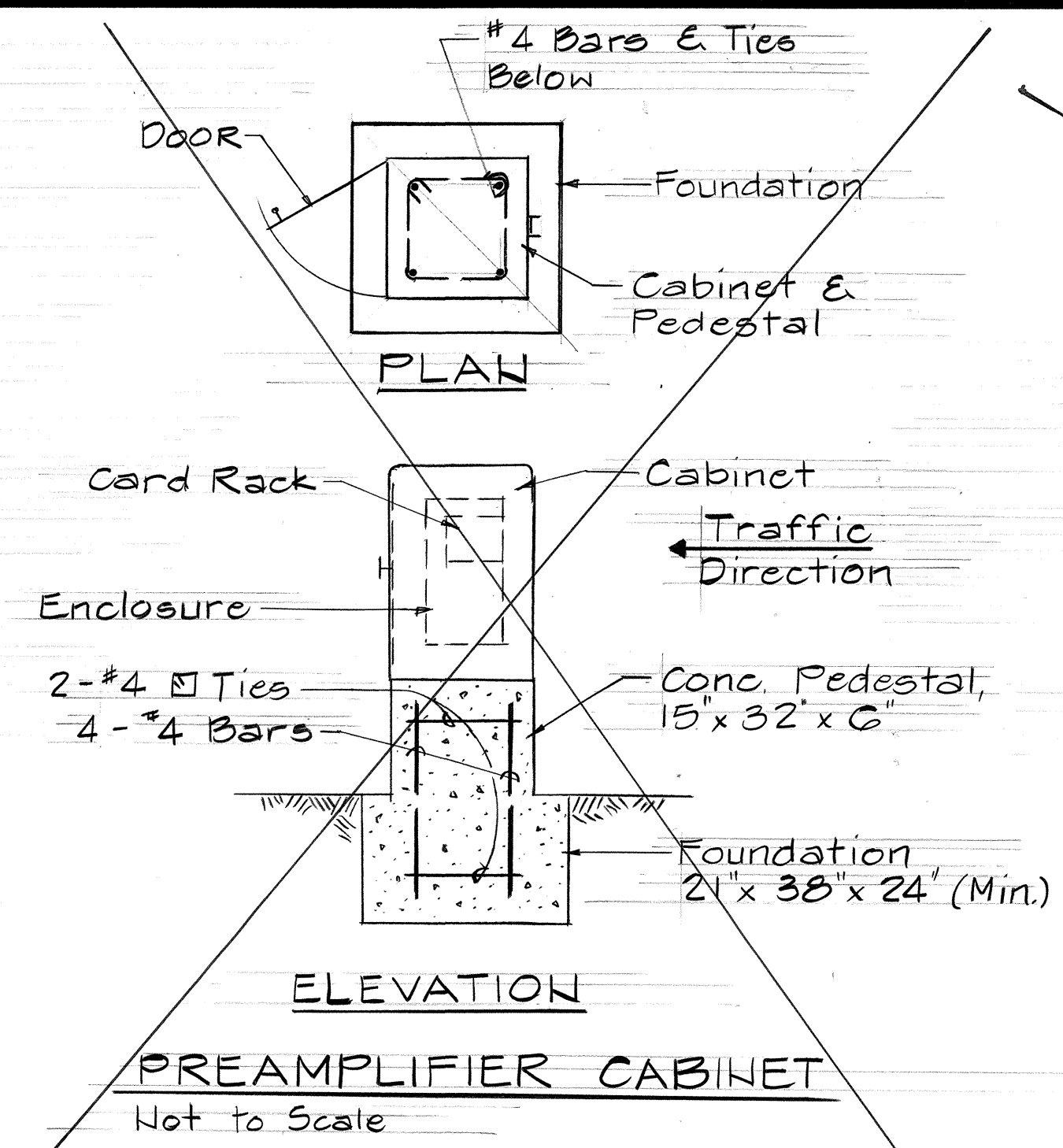
INDUCTION LOOP CABLE TO PREAMPLIFIER

Mix the Epoxy Cement Thoroughly With a Drill Mixing Attachment Following Closely The Epoxy Manufacturer's Directions & Recommendations. Some Special Precautions.

1. The Usable Working Time is Extremely Temperature Dependant So Do Not Mix Too Much at One Time.
2. Moisture Will Prevent The Epoxy From Bonding So Dry Weather And Dry Materials Are Mandatory.
3. Use Only The Material That Pours Freely From The Can As Deposits On The Bottom And Sides May Not Mix Thoroughly.
4. Prevent Skin Contact With The Epoxy. (Use Gloves, Aprons, Face Shields, Etc.) Should Skin Contact Occur, Wash Immediately.

Pour The Epoxy Compound Into The Grooves And Level To The Pav't. Surface.

After The Epoxy Has Set, Remove The Masking Tape And Any Excess Material.



PREAMPLIFIER CABINET, PEDESTAL

1. Preamplifier Cabinet Can Be A Steel or Aluminum Traffic Control Type Cabinet, The Dimensions of The Standard Cabinet Are 29.5" Wide, 12.2" Deep And 39.4" High.
2. The Location of The Pedestal & Foundation For The Cabinet Must Be Well Drained. Conc. of Compressive Strength of 3500 P.S.I. or Higher Shall Be Used For The Pedestal And Foundation.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-064-1(2)	1987	24S-2	151

DELETED

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

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

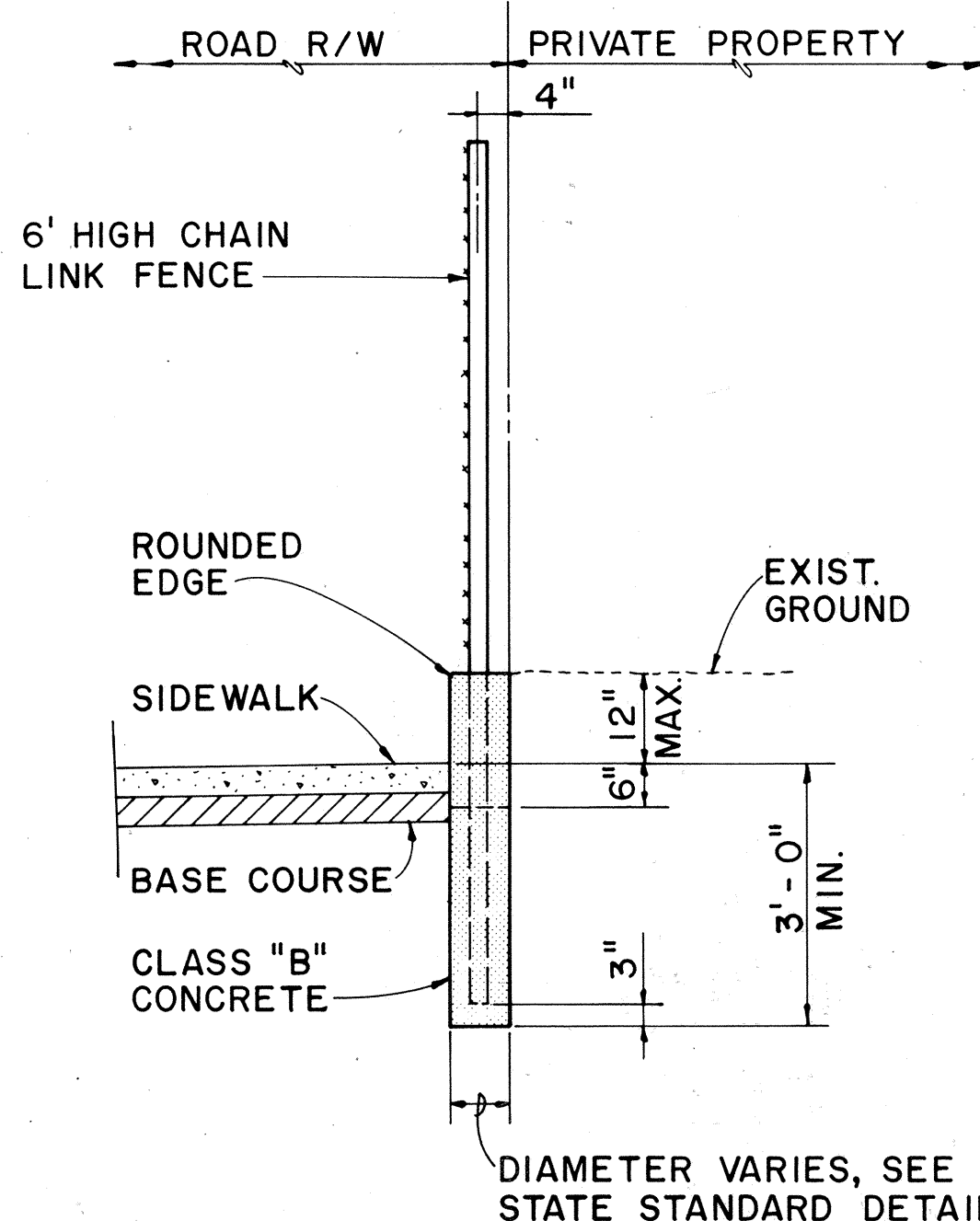
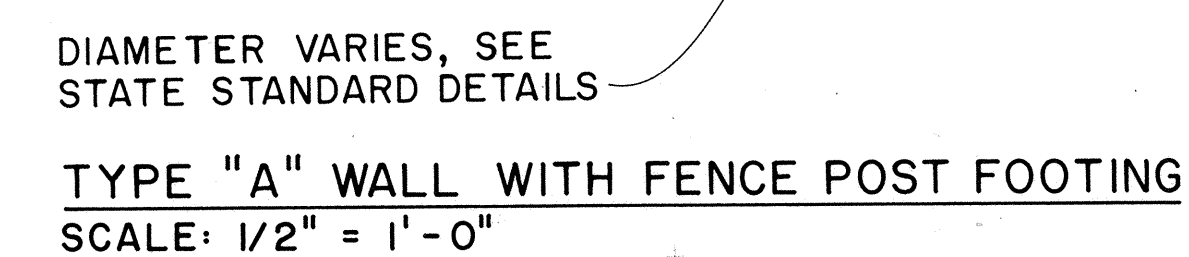
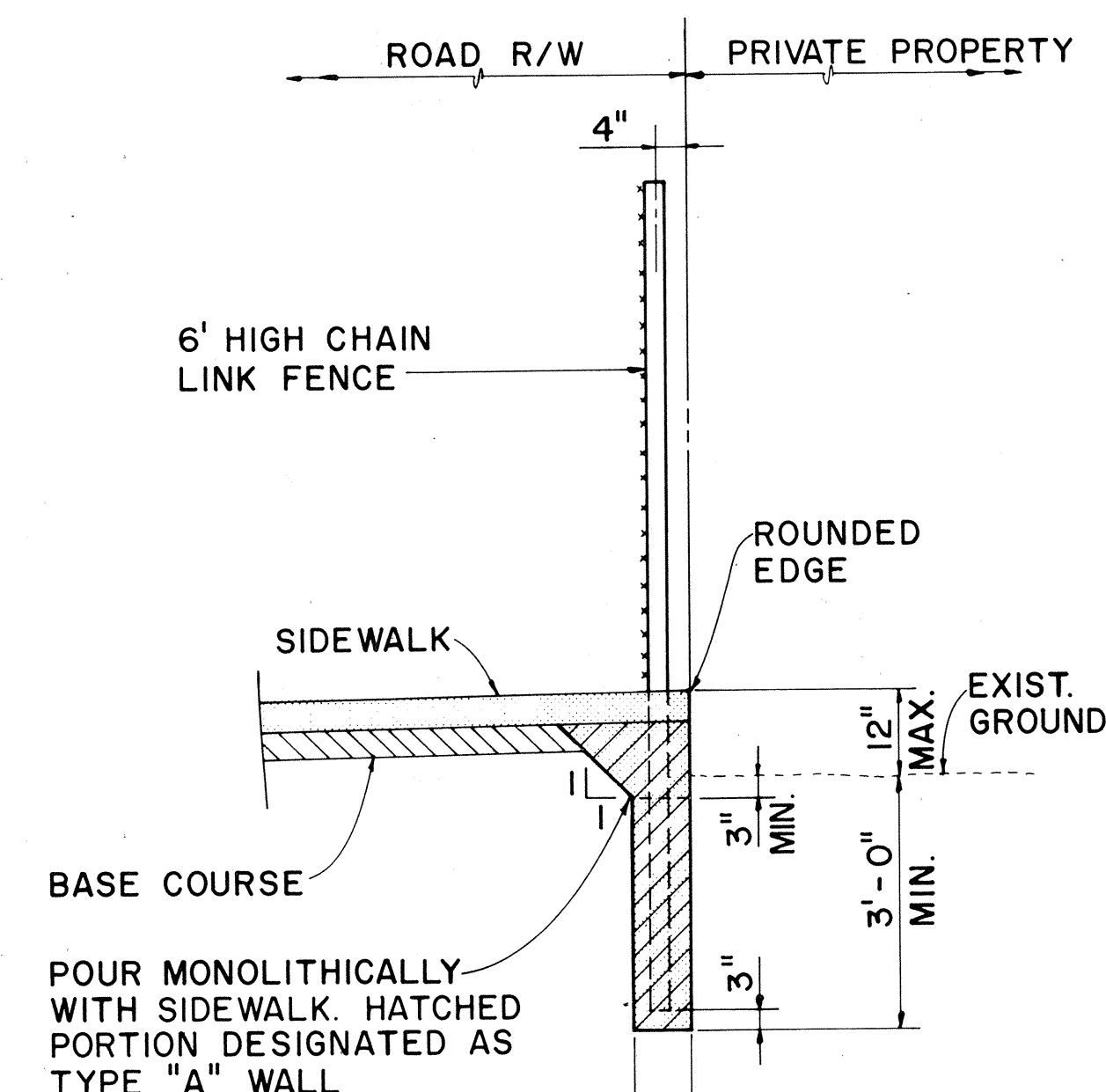
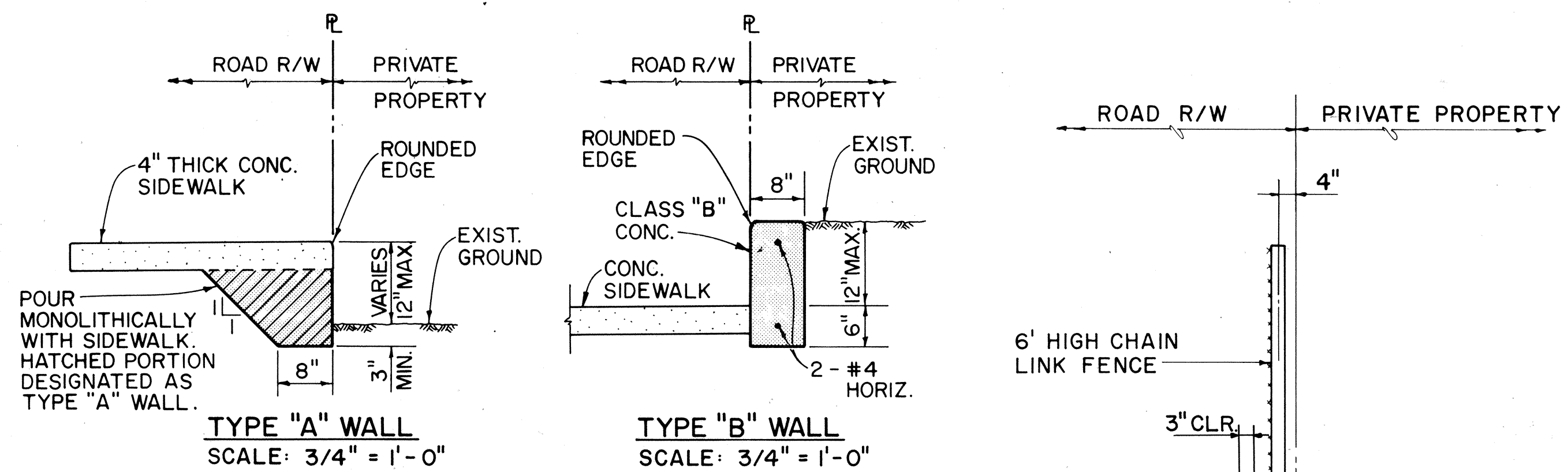
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
SCALE DETAILS	
SAND ISLAND ROAD WIDENING 2ND BRIDGE AND APPROACHES FEDERAL AID PROJECT NO. F-064-1(2)	
SCALE: AS NOTED	DATE: 1988
SHEET No. ^{H20B} OF 23 SHEETS	

4/10/88	Added This Sheet
DATE	REVISION

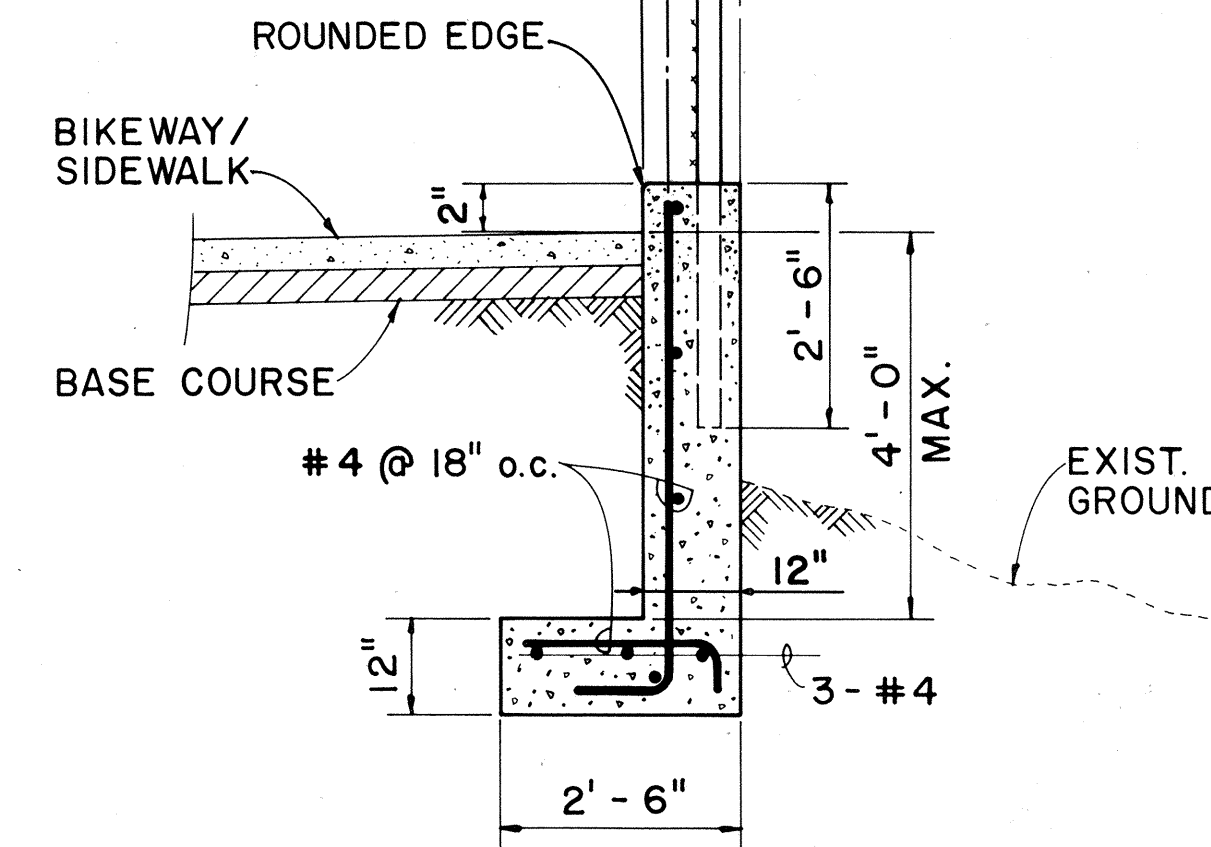
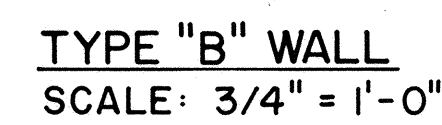
"AS-BUILT"

C.O. 24S-2

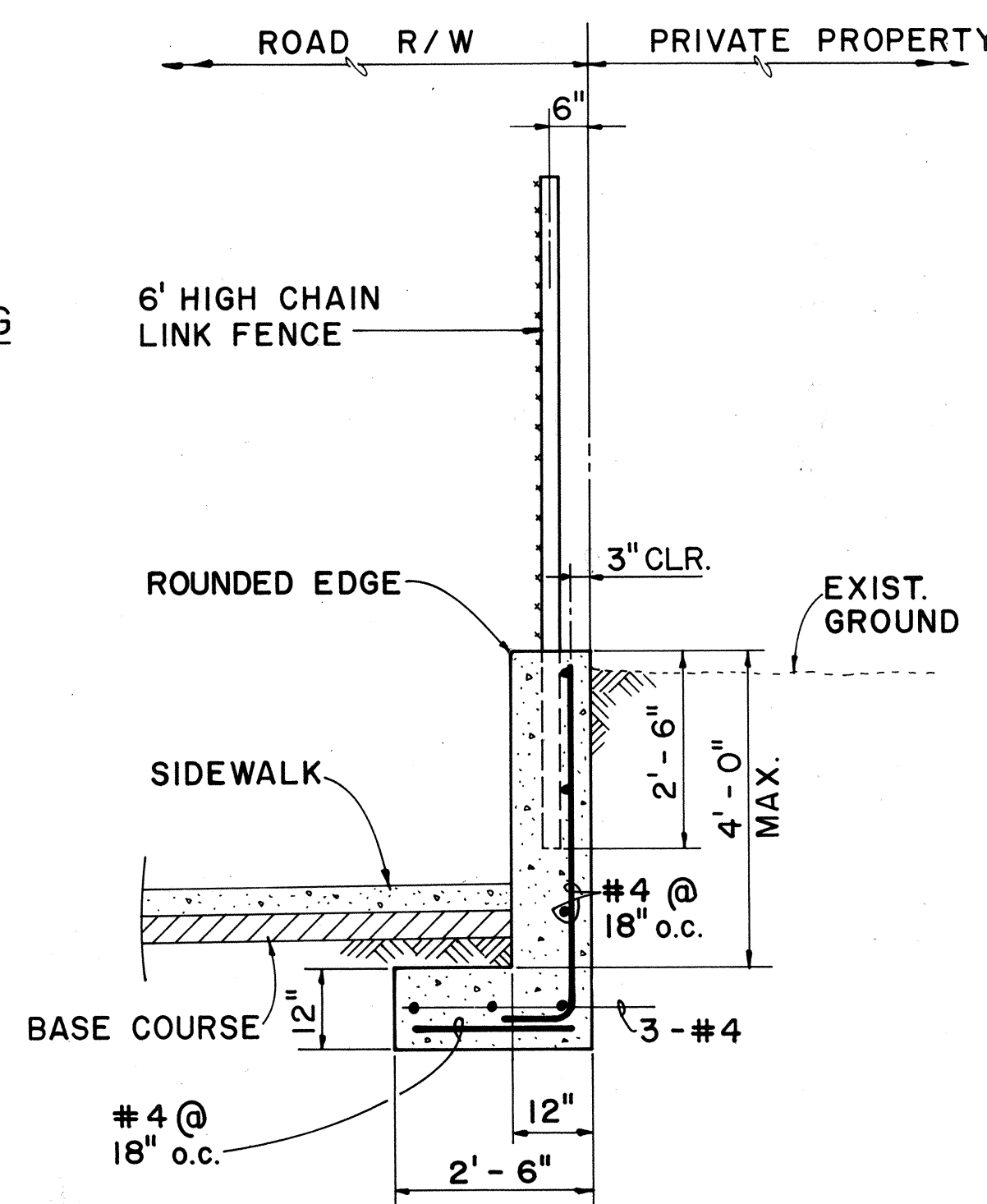
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-064-1(2)	1987	25	151



TYPE "B" WALL WITH FENCE POST FOOTING
SCALE: 1/2" = 1' - 0"

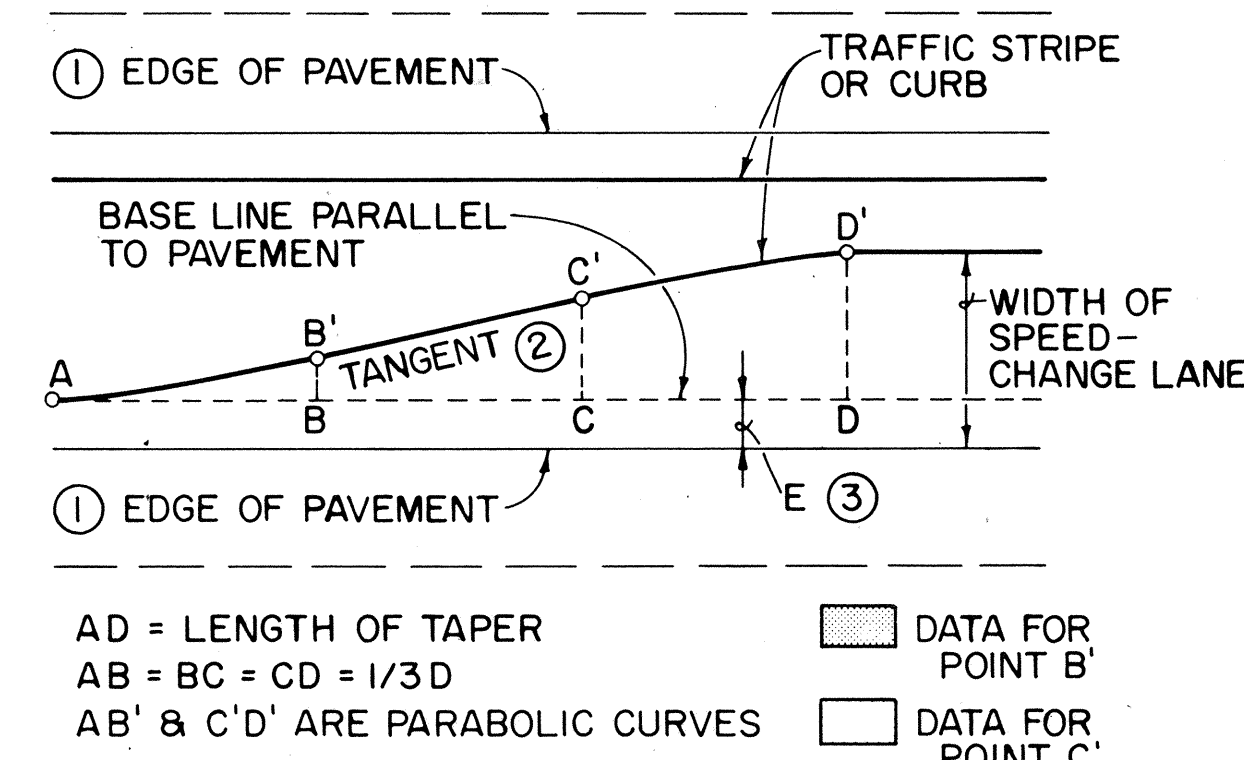


TYPE "C" WALL
SCALE: 1/2" = 1'-0"



TYPE "D" WALL WITH FENCE POST FOOTING
SCALE: 1/2" = 1'-0"

NOTE:
REINFORCING STEEL IN GRADE ADJUSTMENT WALLS
IS INCIDENTAL TO GRADE ADJUSTMENT WALL.



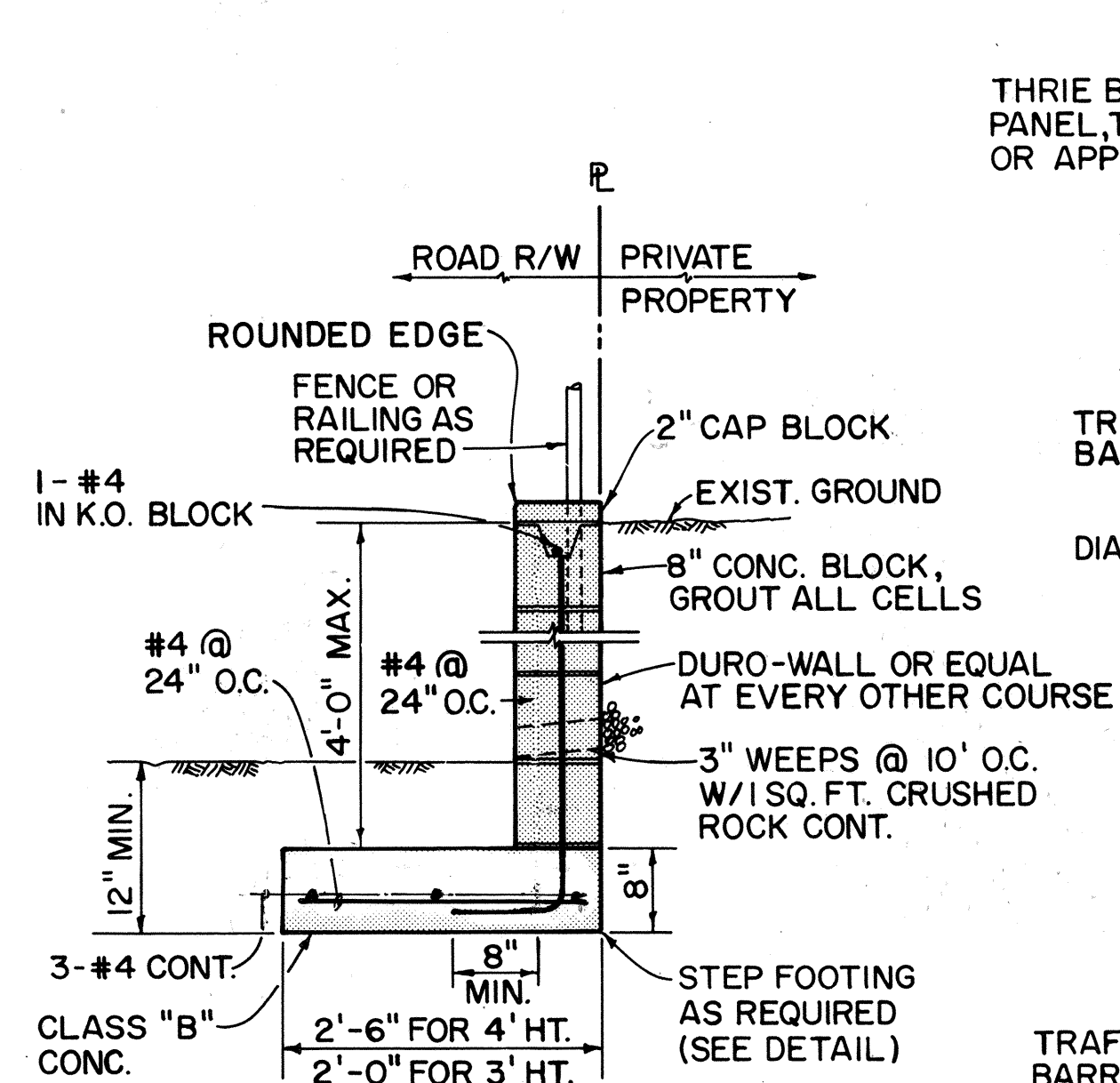
LENGTH OF TAPER- FEET			OFFSET DISTANCE		
60	90	120	DD'=10'	DD'=11'	DD'=12'
DISTANCE FROM POINT "A"					
-	-	-	0	0	0
5	7.5	10	0.16	0.17	0.19
10	15	20	0.62	0.69	0.75
15	22.5	30	1.41	1.55	1.69
B' 20	30	40	2.50	2.75	3.00
30	45	60	5.00	5.50	6.00
C' 40	60	80	7.50	8.25	9.00
45	67.5	90	8.59	9.45	10.31
50	75	100	9.38	10.31	11.25
55	82.5	110	9.84	10.83	11.81
60	90	120	10.00	11.00	12.00

NOTES

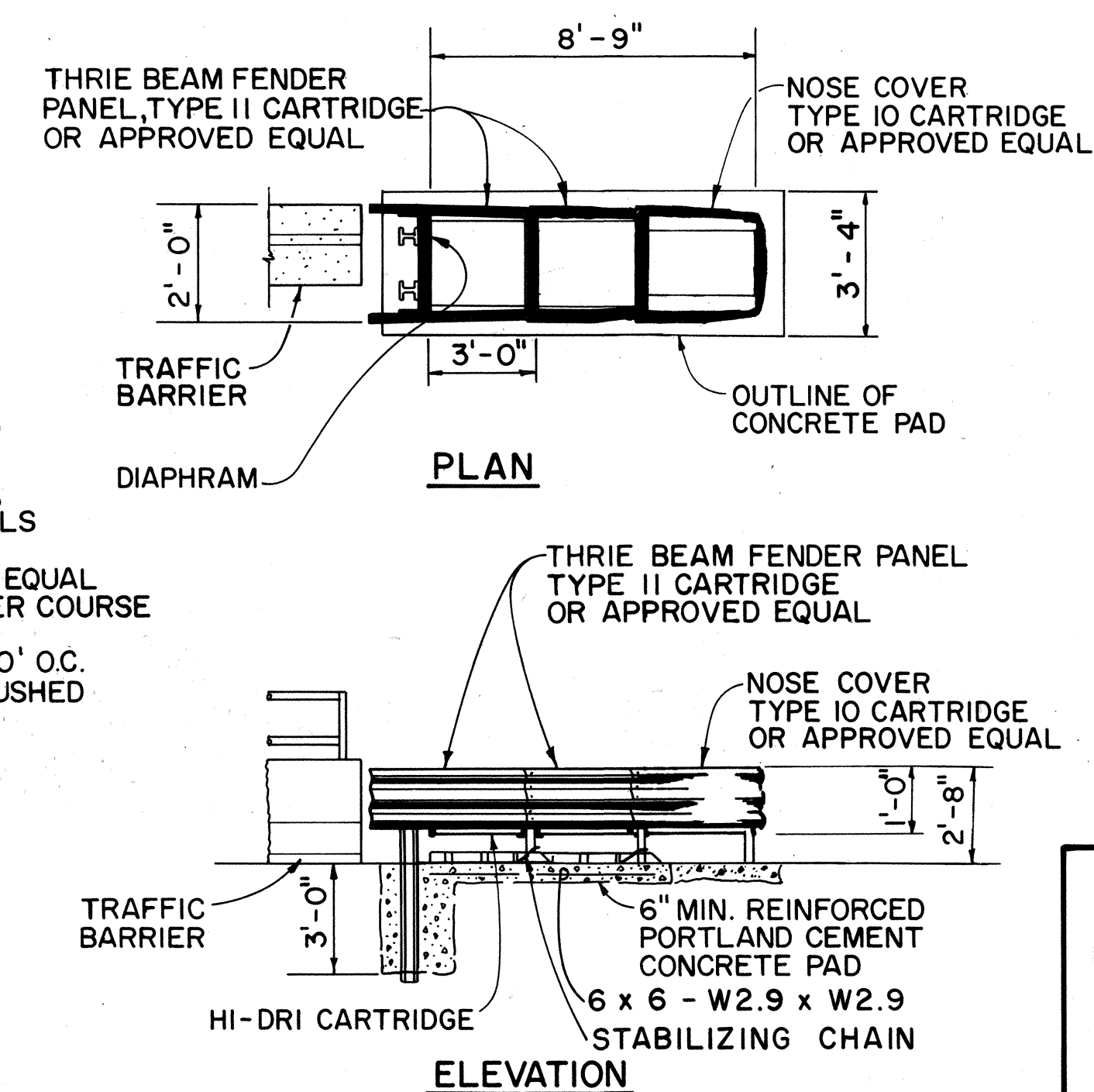
- ① THE TABLE GIVES OFFSETS FROM A BASE LINE PARALLEL TO THE EDGE OF PAVEMENT AT INTERVALS MEASURED FROM POINT "A". ADD "E" FOR MEASUREMENTS FROM EDGE OF PAVEMENT.
- ② WHERE EDGE OF PAVEMENT IS A CURVE, NEITHER BASE LINE NOR TAPER BETWEEN B & C WILL BE A TANGENT. USE PROPORTIONAL OFFSETS FROM B TO C.
- ③ THE ADOPTED OFFSET "E" IS USUALLY 2' ALONG OUTSIDE EDGE OF PAVEMENT BUT MAY VARY IN SOME CASES.

TAPER FOR MEDIAN SPEED-CHANGE LANES

NOT TO SCALE

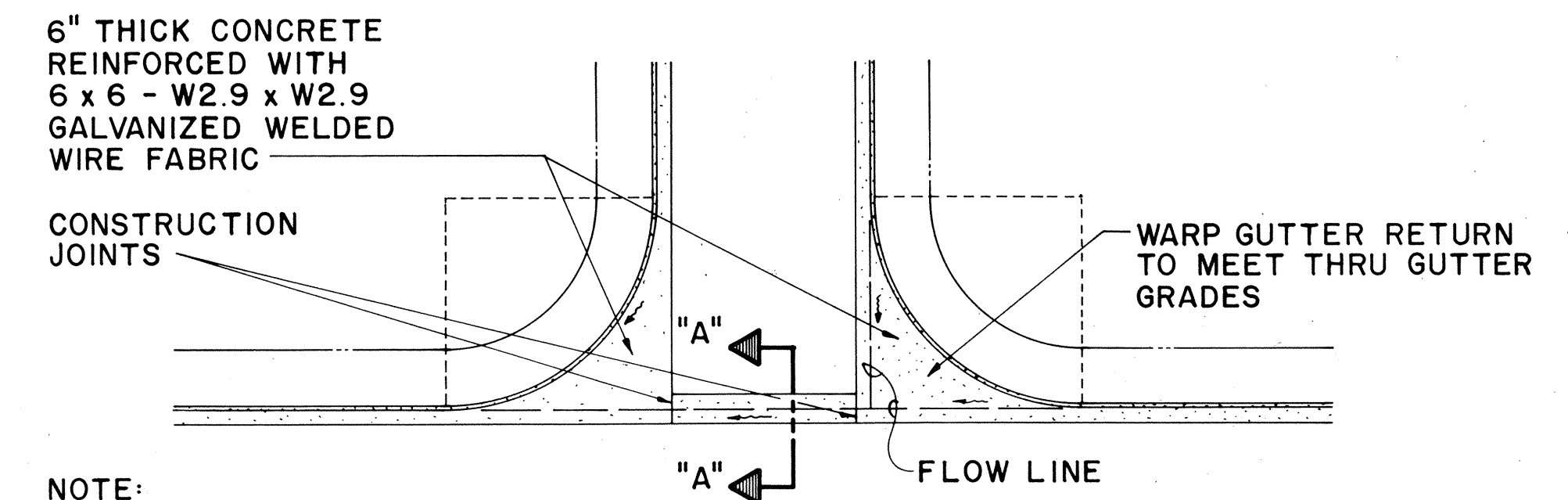


TYPE "D" WALL
SCALE: 1/2" = 1'-0"



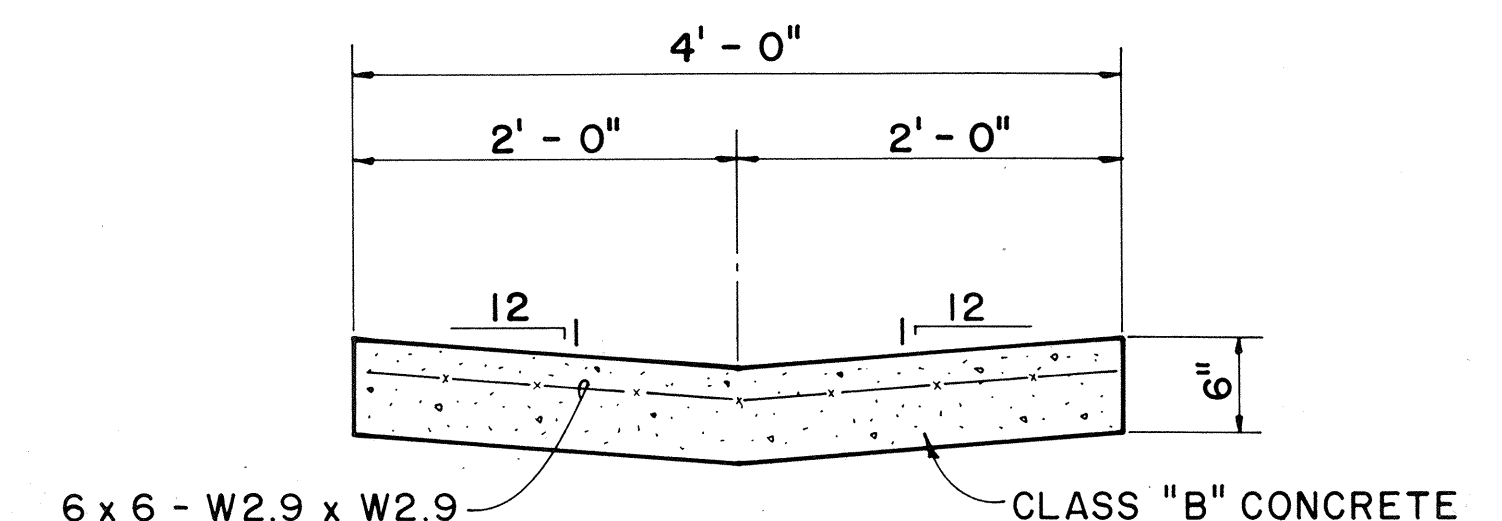
IMPACT ATTENUATOR DETAIL

NOT TO SCALE



NOTE:
CONSTRUCTION JOINTS SHALL
BE KEYED CONSTRUCTION
JOINTS WITH TIE BARS PER
CITY & COUNTY OF HONOLULU
STANDARD DETAILS, SHEET R-II.

PLAN
NOT TO SCALE



SECTION "A - A"
SCALE: 1" = 1'-0"

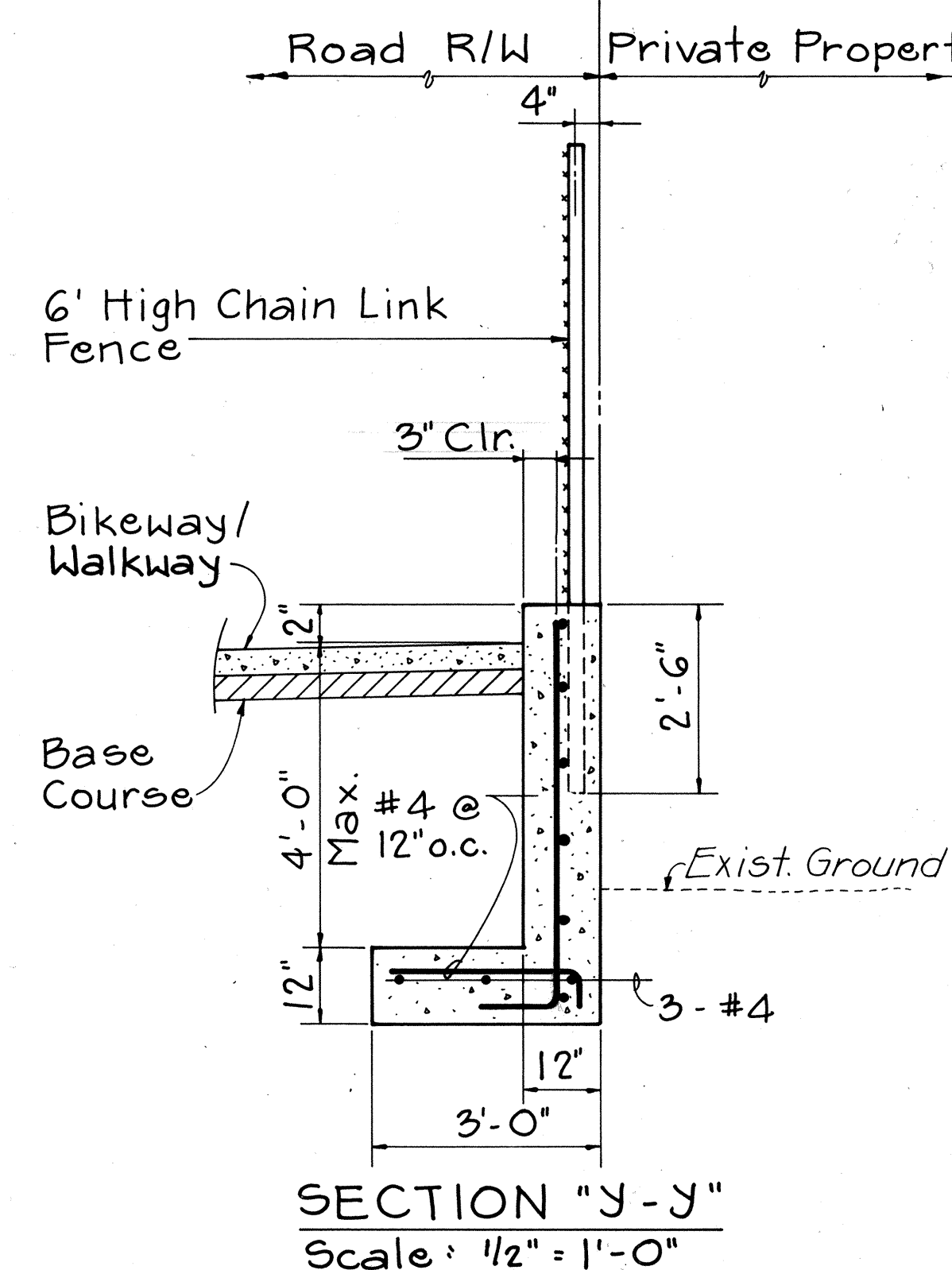
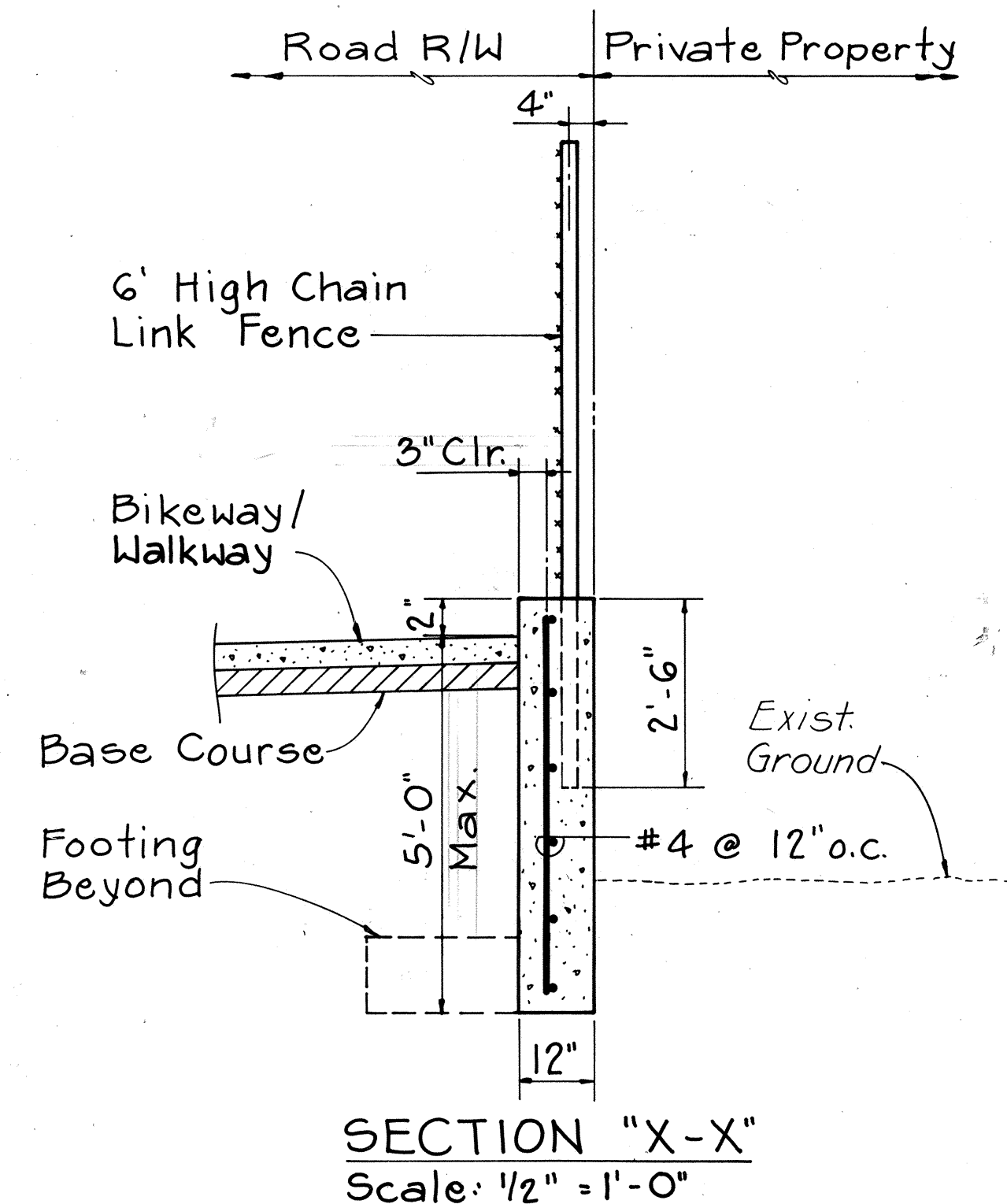
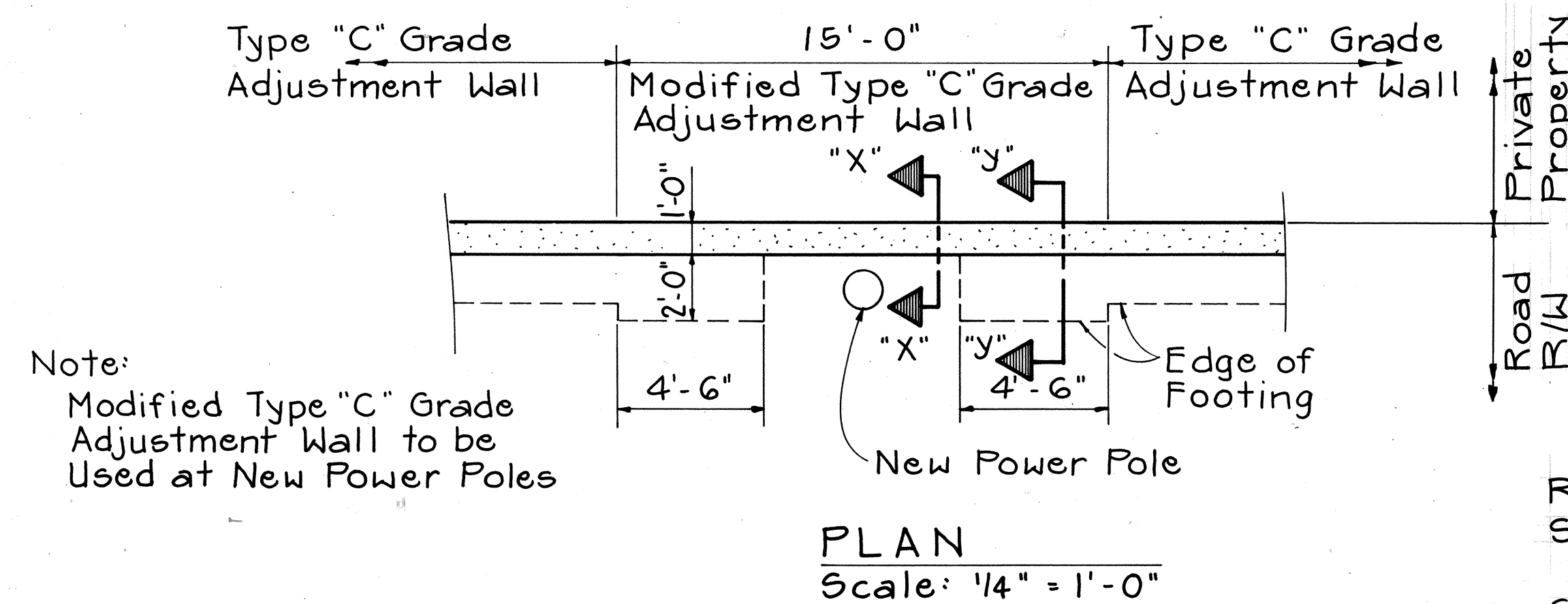
TYPE 2G THRU GUTTER DETAIL

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

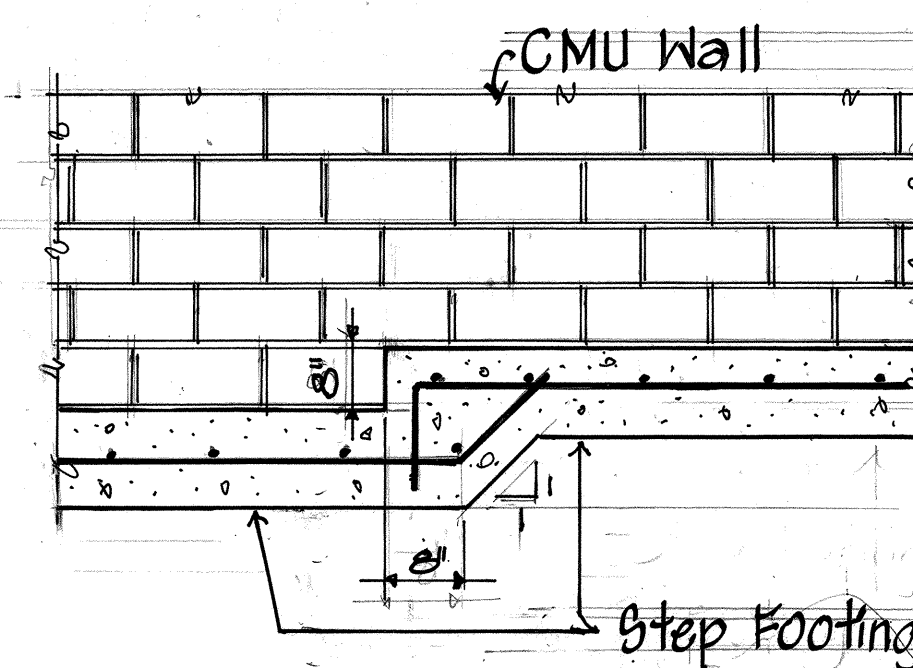
GRADE ADJUSTMENT WALL DETAILS

DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <u>MISCELLANEOUS DETAILS</u> <u>SAND ISLAND ROAD WIDENING</u> <u>2ND BRIDGE AND APPROACHES</u> <u>FEDERAL AID PROJECT NO. F-064-1(2)</u> SCALE: AS NOTED DATE: JUN, 1986	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-064-(12)	1987	26	151

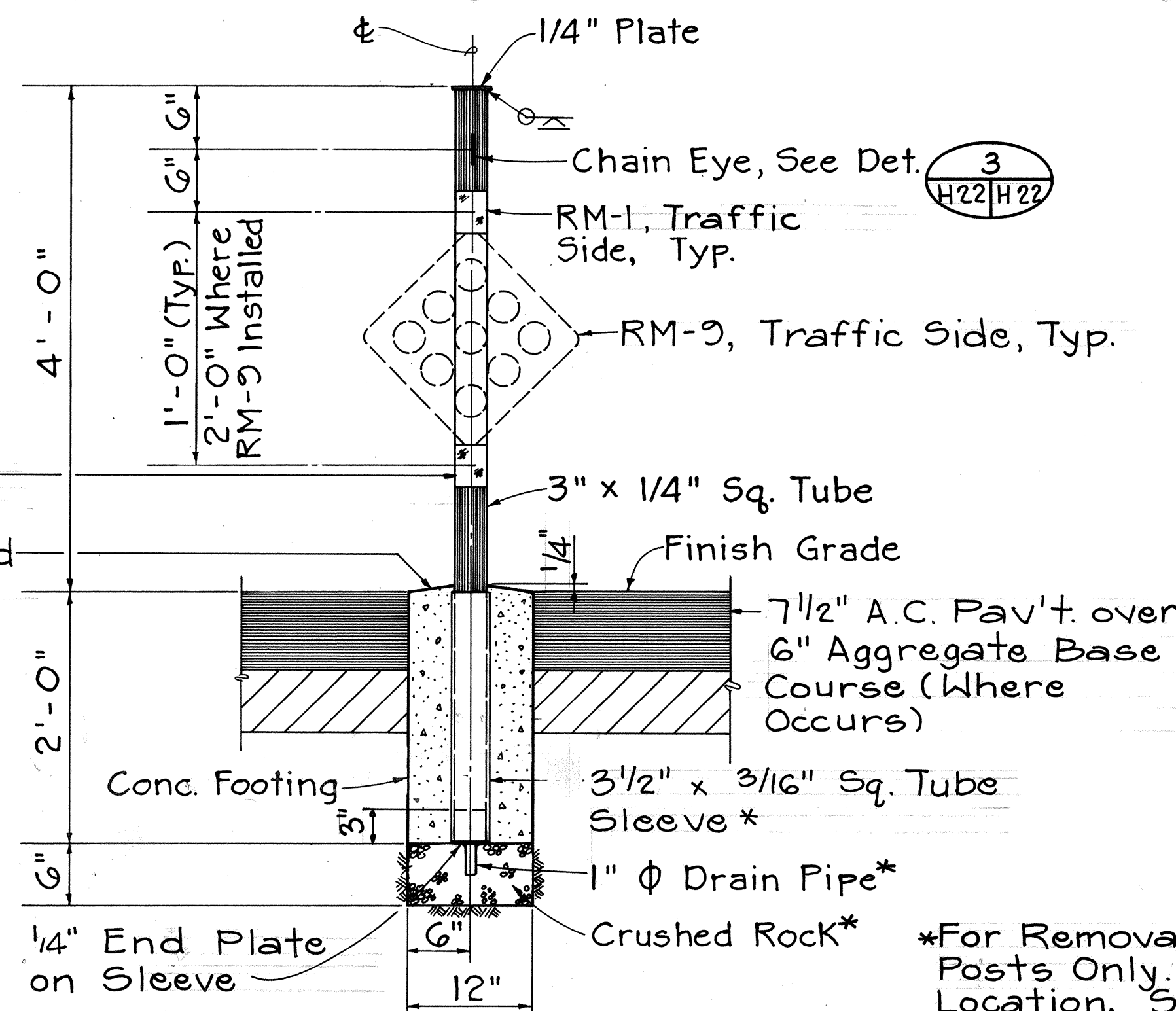


MODIFIED TYPE "C" GRADE ADJUSTMENT WALL DETAIL

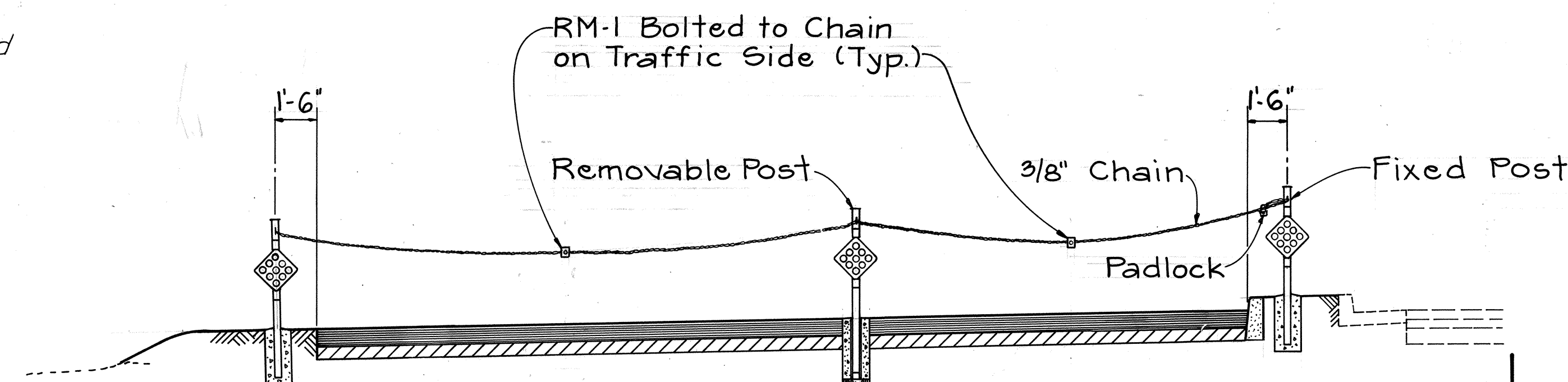


STEP FOOTING DETAIL

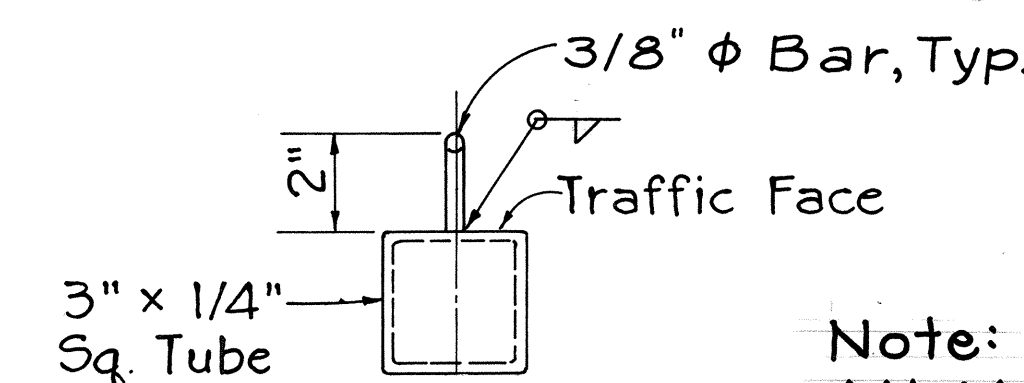
RM-1, Traffic Side, Typ.
Slope, All Around



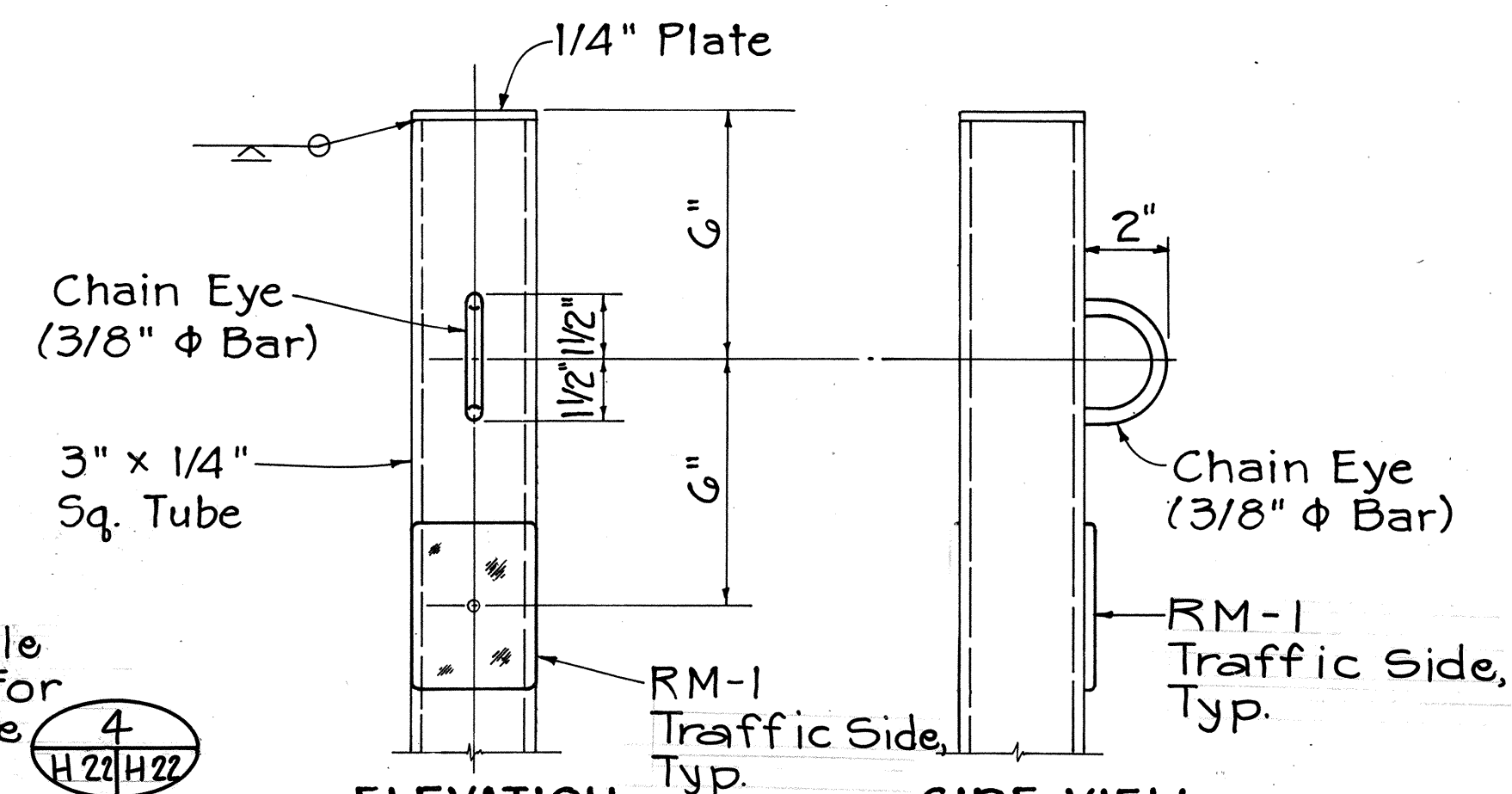
STEEL BARRIER POST DETAIL



TYPICAL SECTION @ STEEL BARRIER POSTS

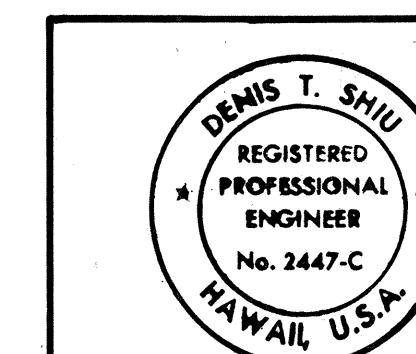


TOP VIEW



ELEVATION SIDE VIEW

CHAIN EYE DETAIL



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Dennis T. Shiu

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

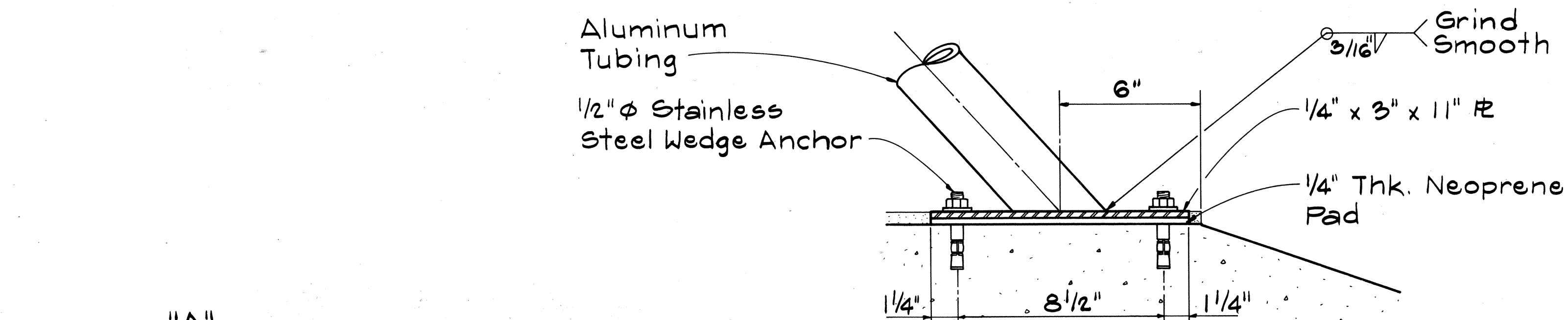
MISCELLANEOUS DETAILS

SAND ISLAND ROAD WIDENING
2ND BRIDGE AND APPROACHES
FEDERAL AID PROJECT NO. F-064-(12)

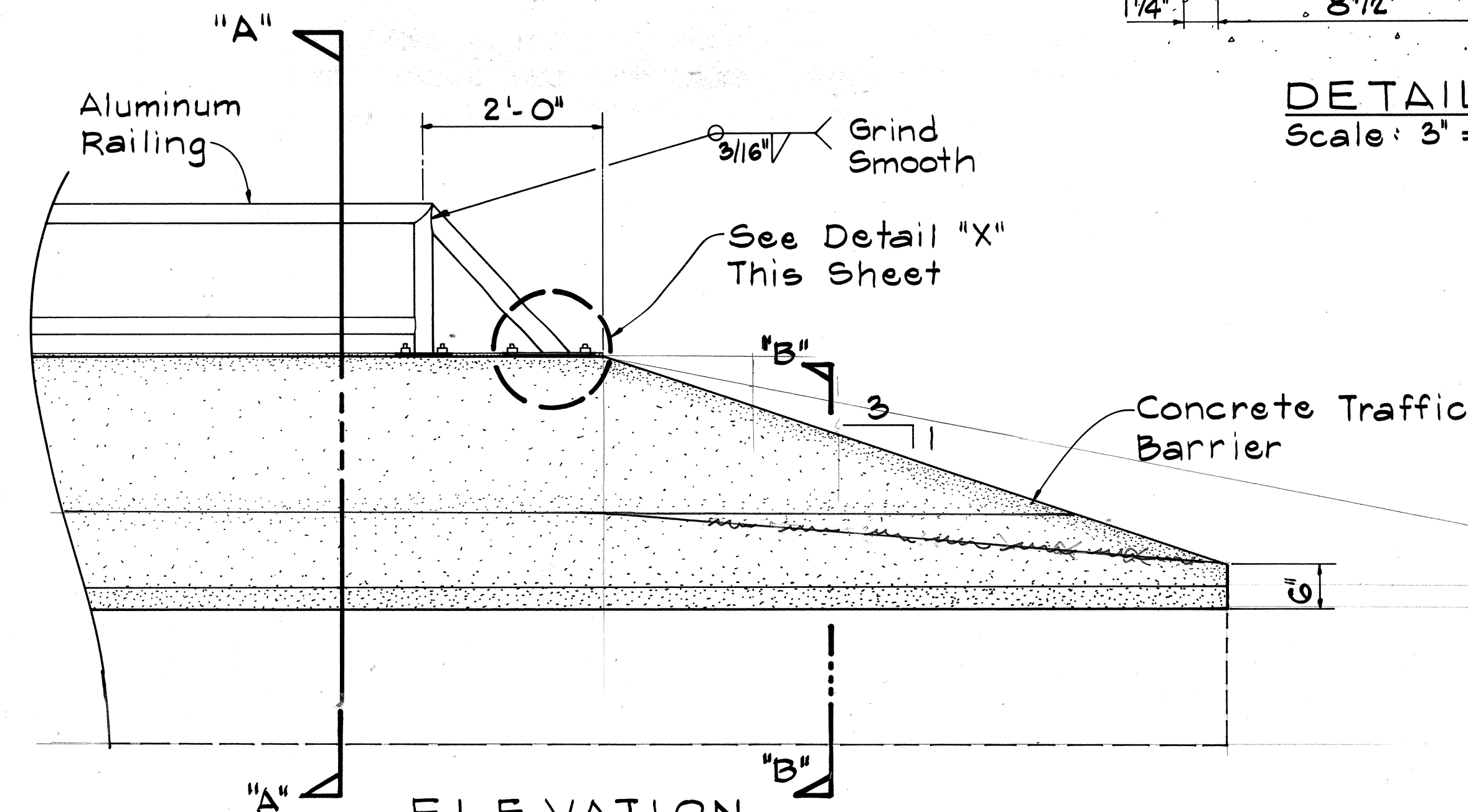
SCALE: AS NOTED DATE: JUN, 1986

SHEET NO. H22 OF 23 SHEETS

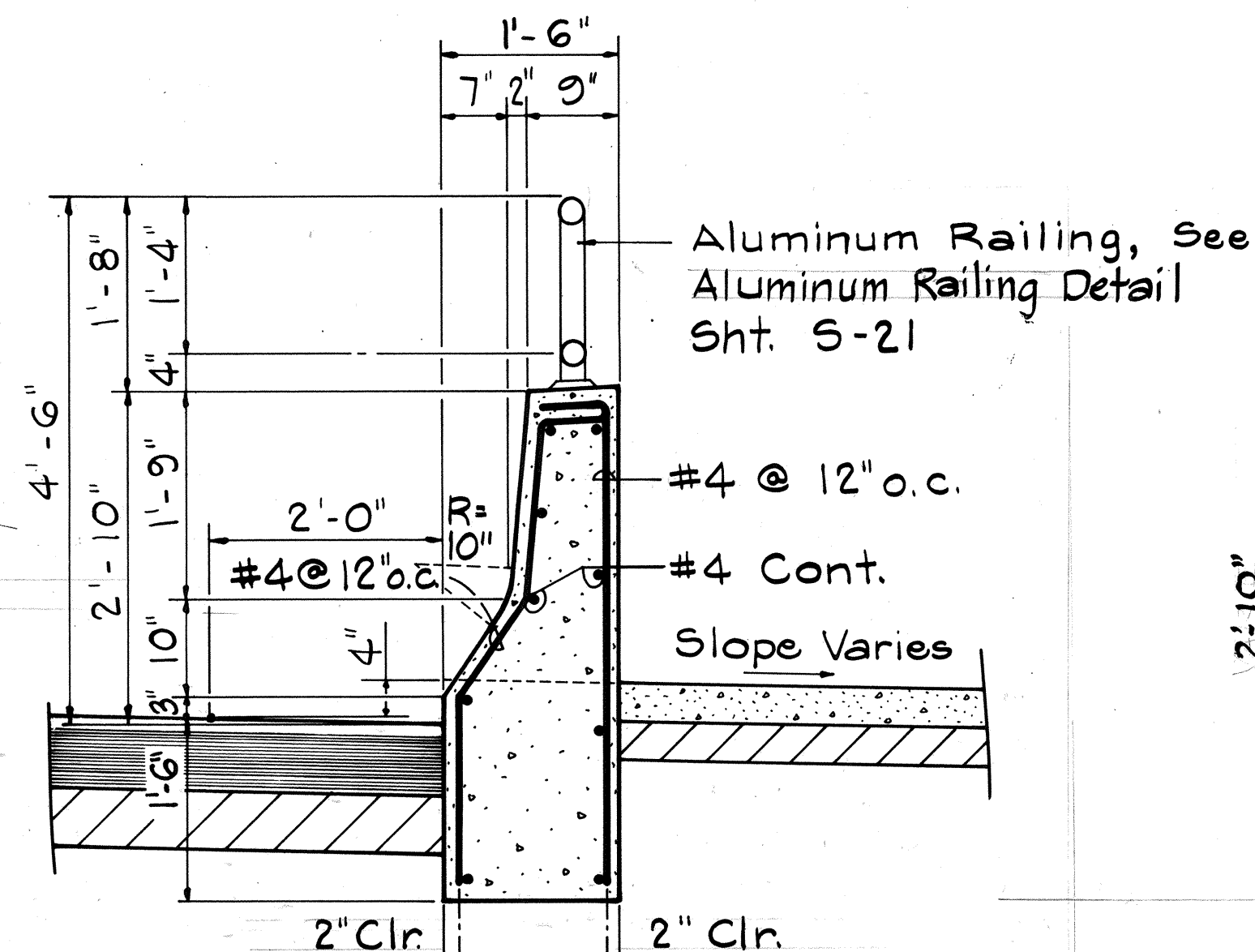
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-064-1(2)	1987	27	151



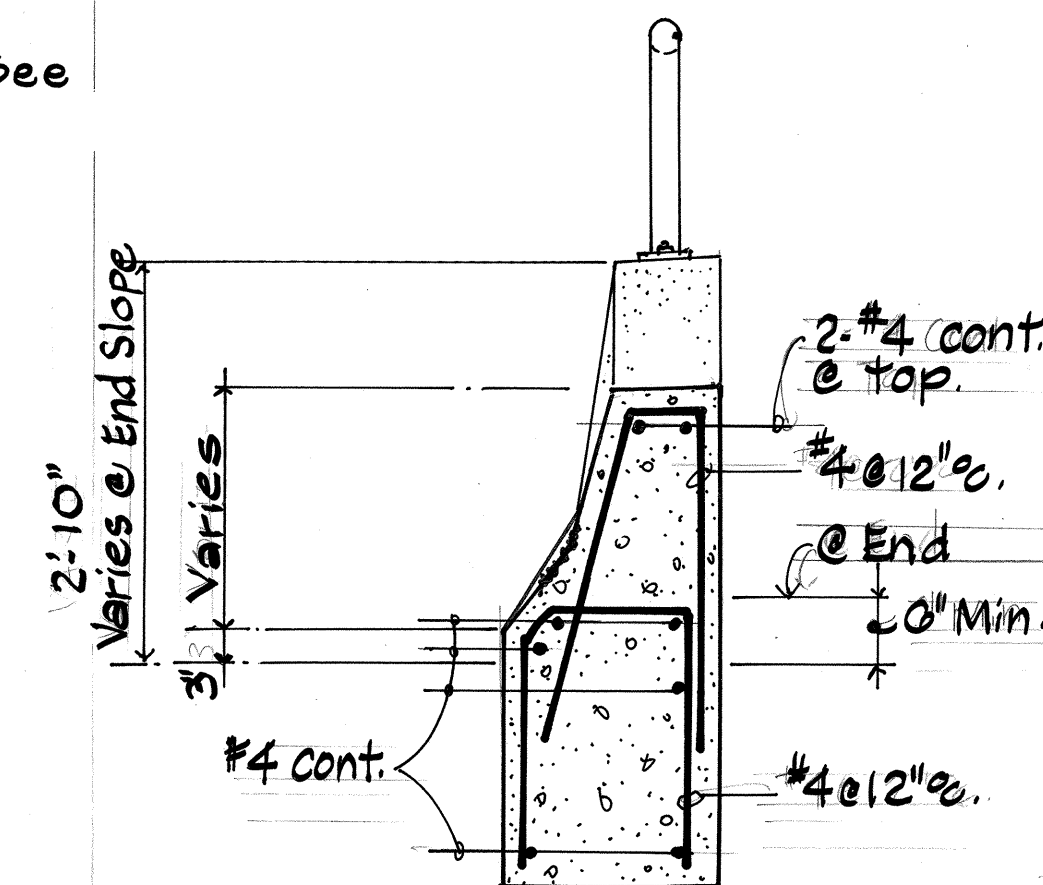
DETAIL "X"
Scale: 3" = 1'-0"



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

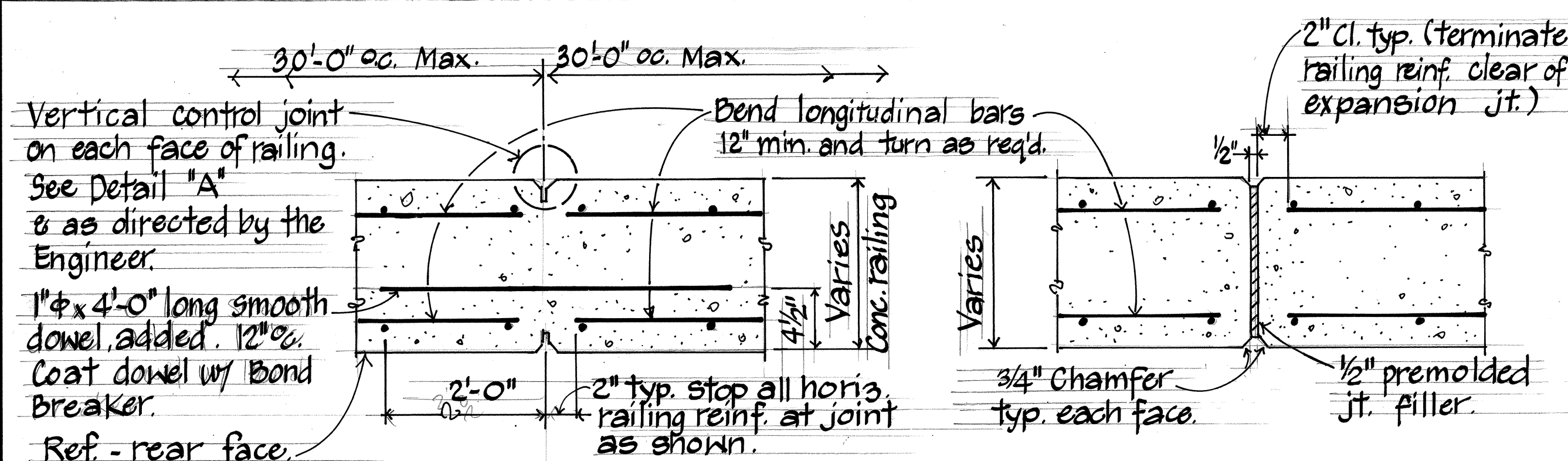


SECTION "A-A"
Scale: 3/4" = 1'-0"



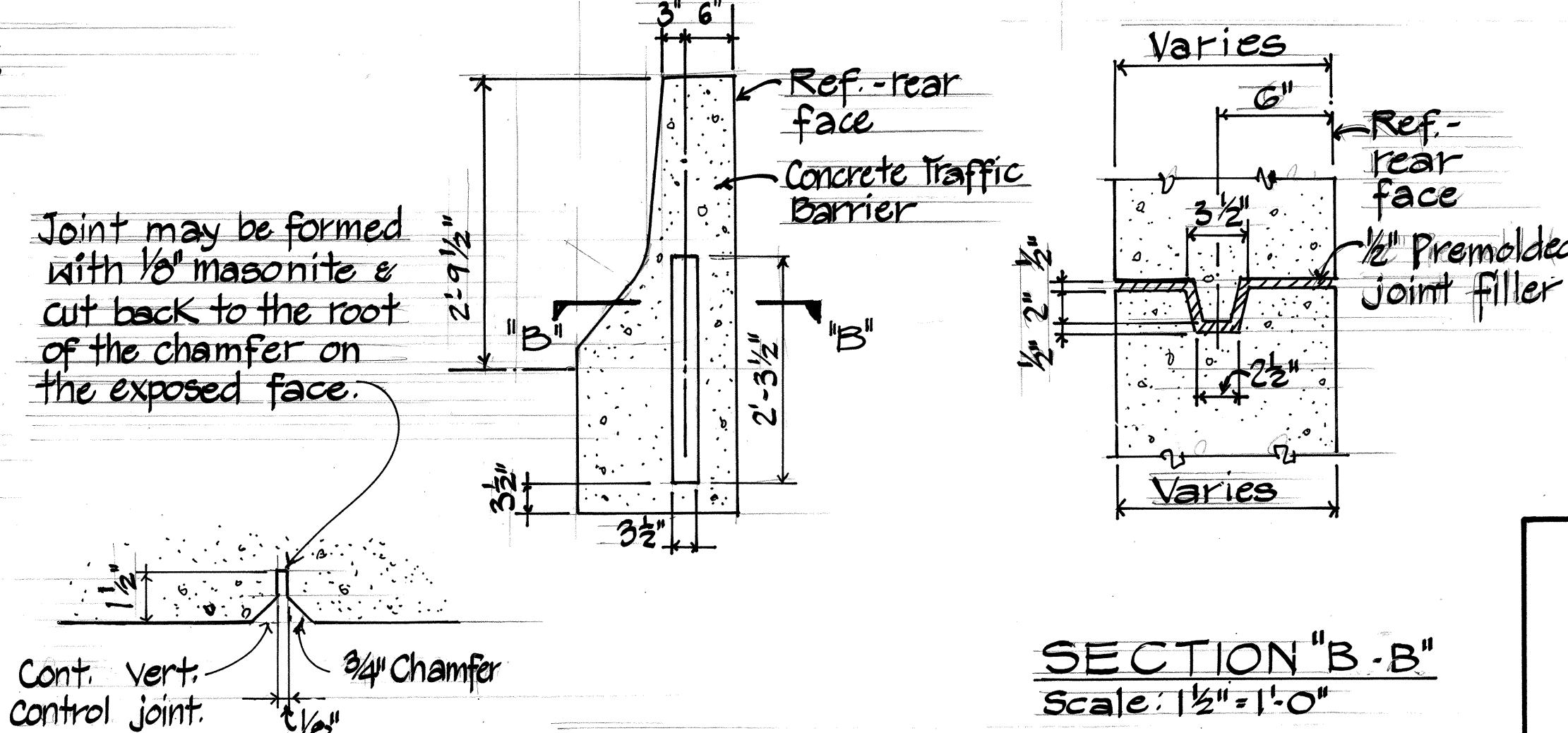
SECTION "B-B"
Scale: 3/4" = 1'-0"

CONCRETE TRAFFIC BARRIER DETAIL



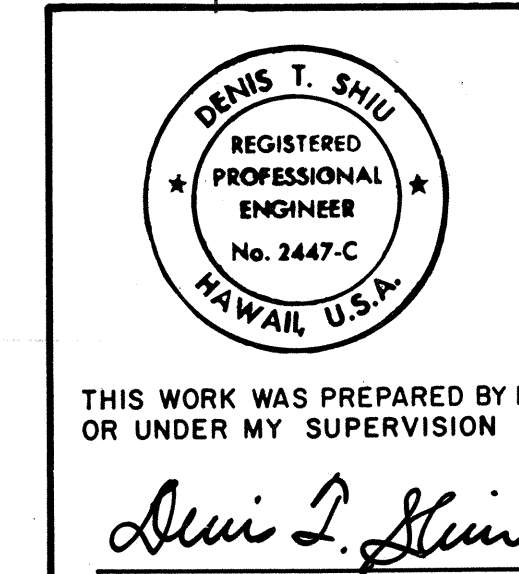
AT CONTROL JOINT
Not To Scale

AT EXPANSION JOINT
Not To Scale



DETAIL "A"
Scale: 3" = 1'-0"

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



DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
MISCELLANEOUS DETAILS	
SAND ISLAND ROAD WIDENING 2ND BRIDGE AND APPROACHES FEDERAL AID PROJECT NO. F-064-1(2)	
SCALE: AS NOTED	DATE: JUN, 1986
SHEET NO. H23 OF 23 SHEETS	

"AS-BUILT"