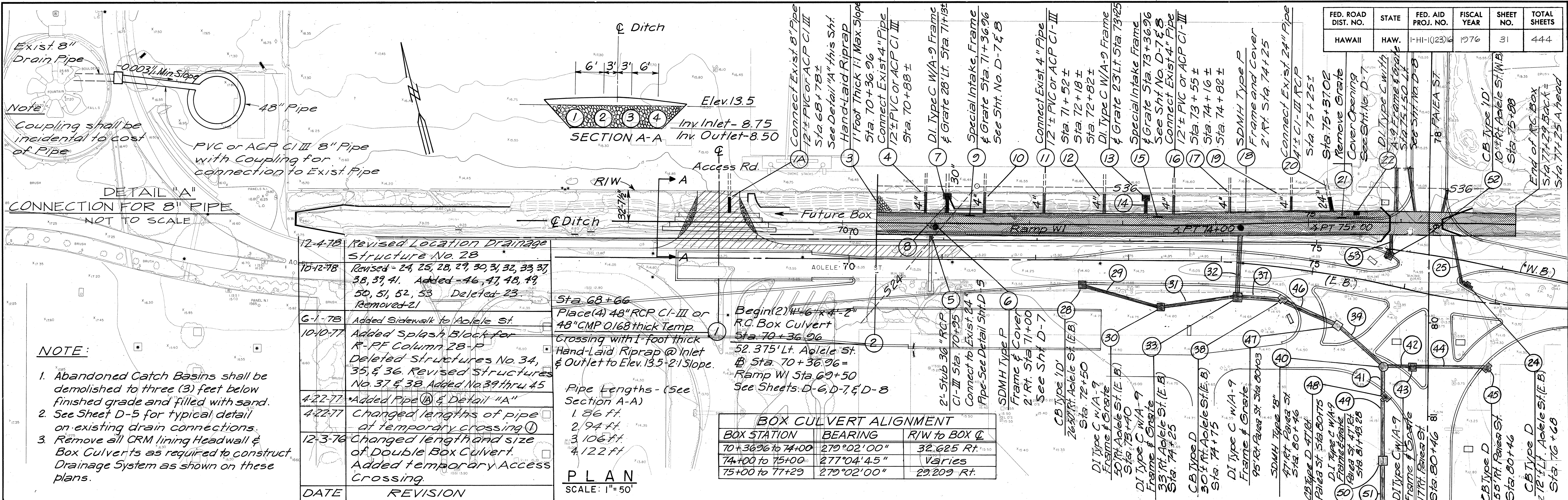
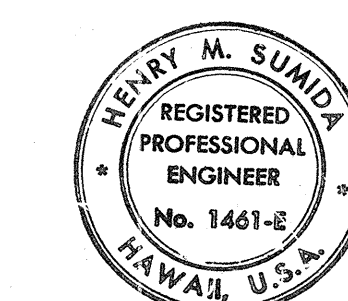
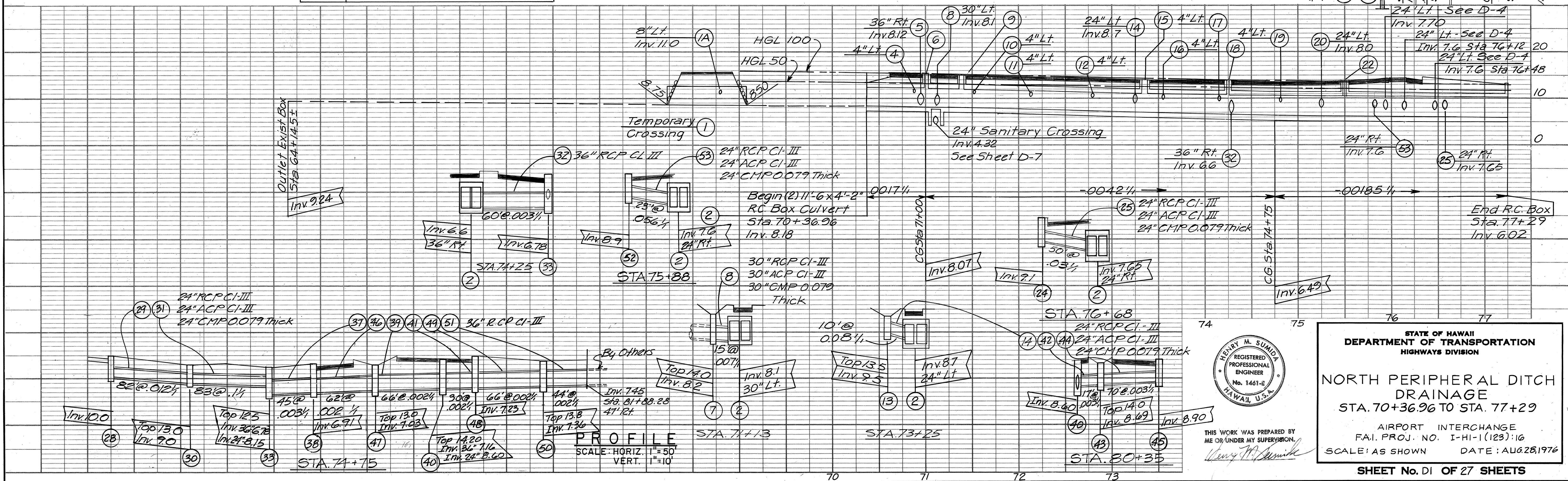


PLAN	DATE	BY	REVISION
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

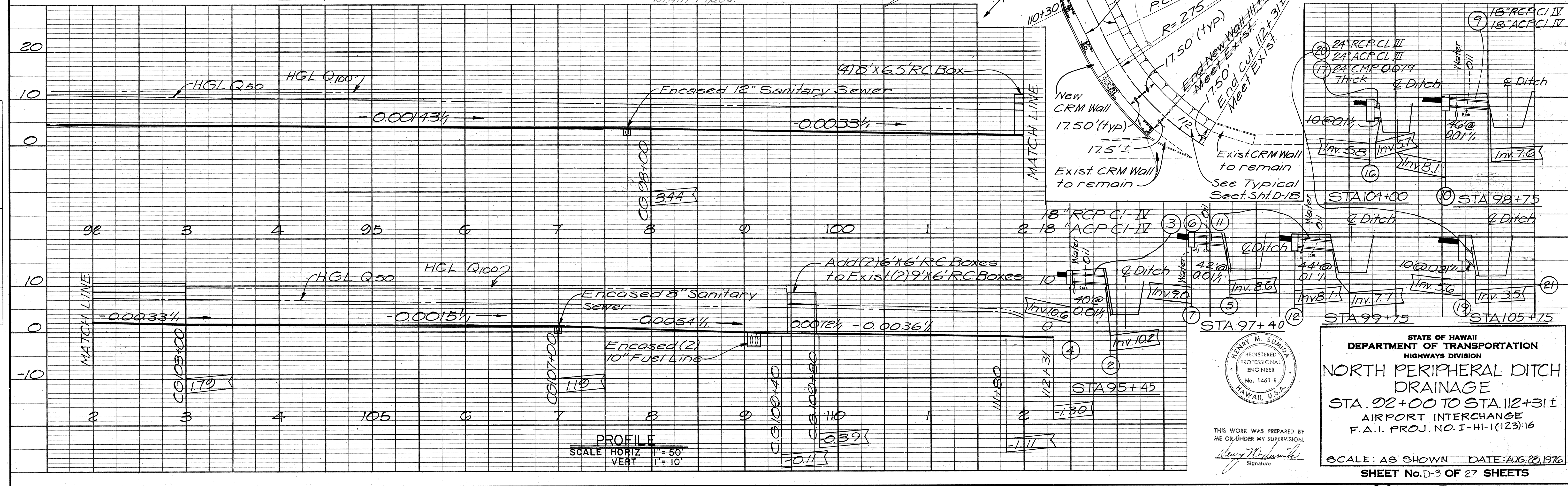
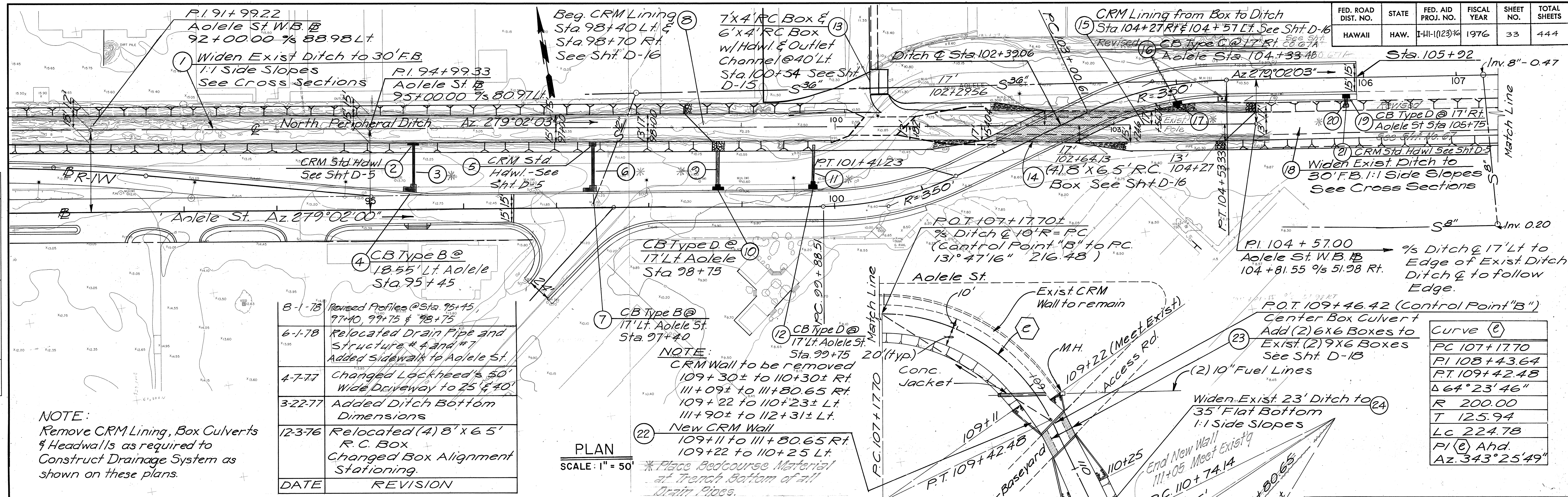
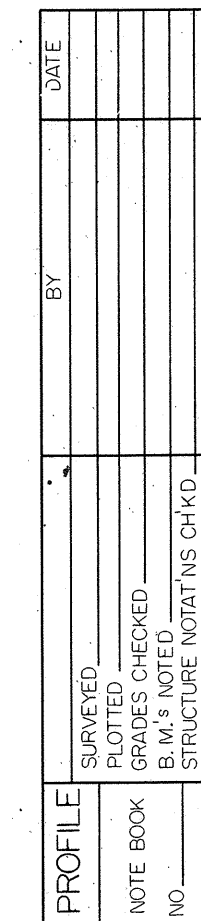
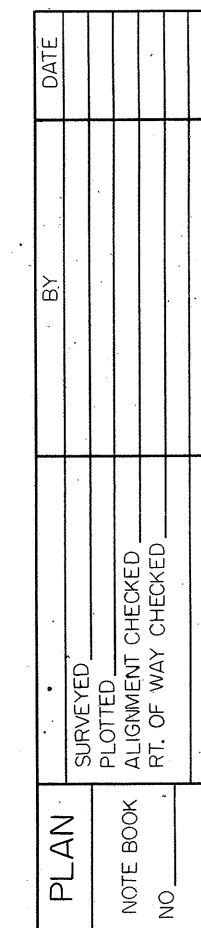
NORTH PERIPHERAL DITCH DRAINAGE
STA. 70+36.96 TO STA. 77+29

AIRPORT INTERCHANGE
F.A.I. PROJ. NO. I-HI-1(123):16
SCALE: AS SHOWN DATE: AUG 28, 1976

SHEET No. DI OF 27 SHEETS

CO ADD 31

	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
16	HAWAII	HAW.	I-41-1(123):16	1976	33	444



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

NORTH PERIPHERAL DITCH
DRAINAGE

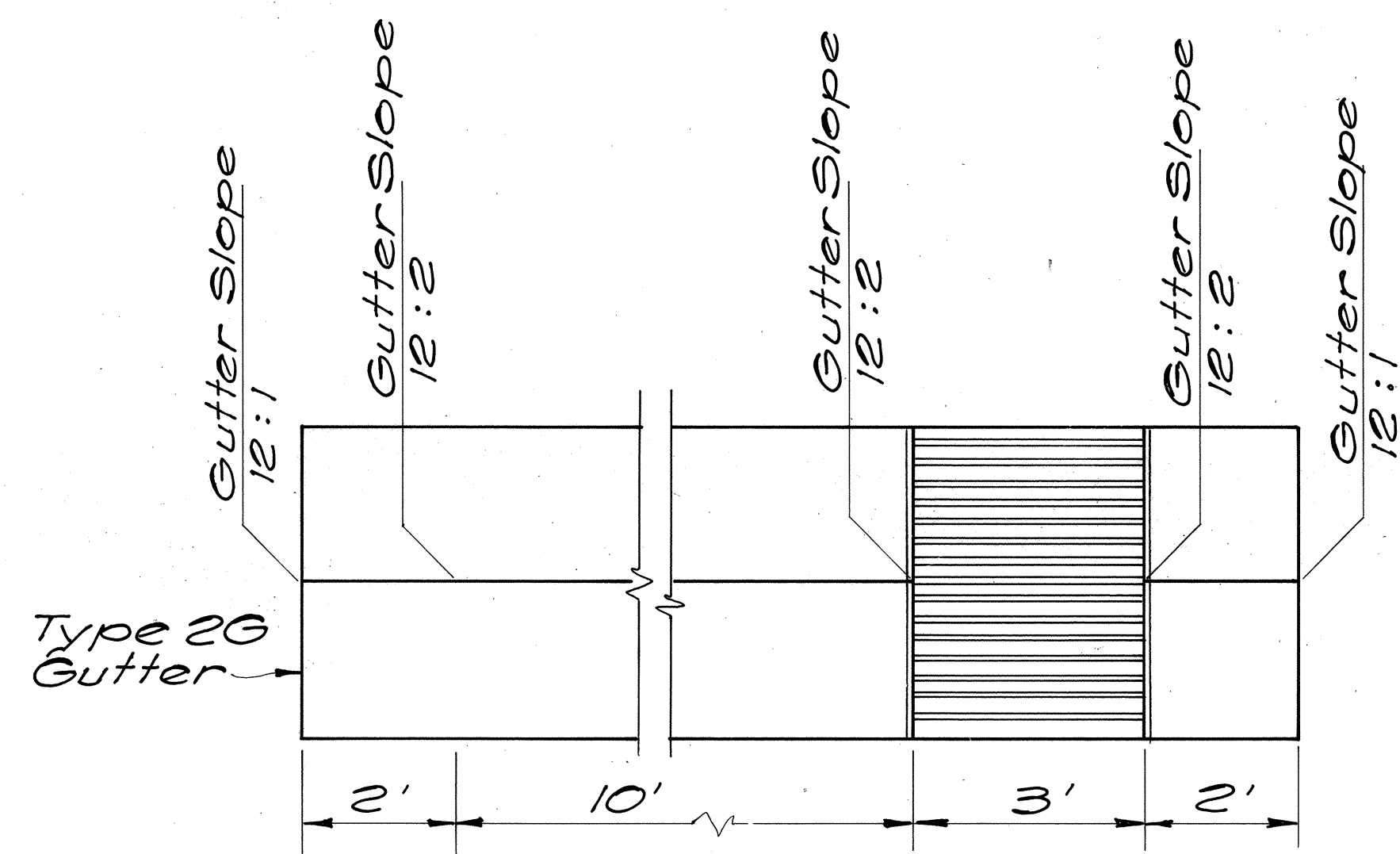
STA. 92+00 TO STA. 112+31 ±
AIRPORT INTERCHANGE
F.A.I. PROJ. NO. I-HI-1(123)16

SCALE: AS SHOWN DATE: AUG. 28, 1976

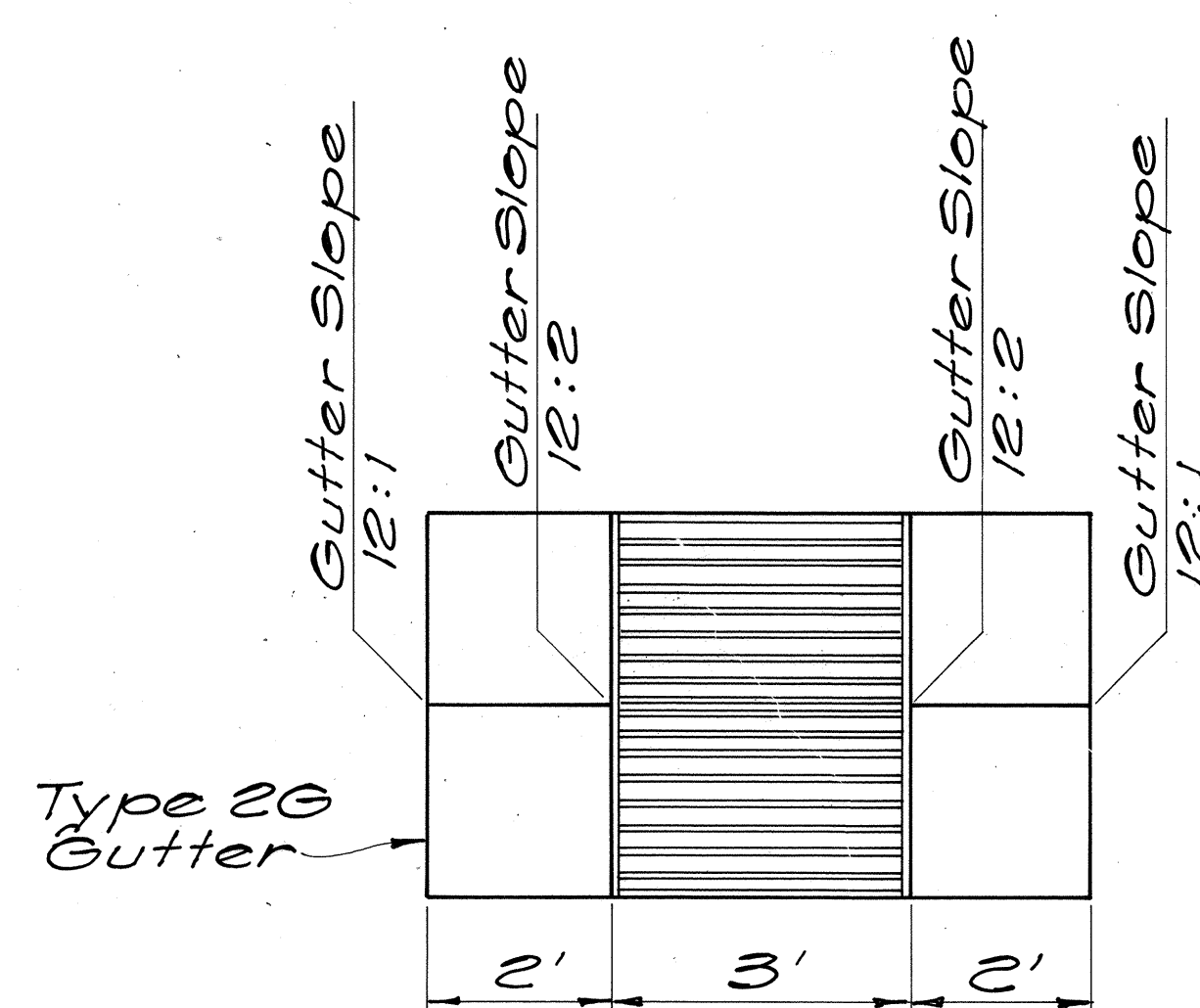
SHEET No. D-3 OF 27 SHEETS

CO ADD 33

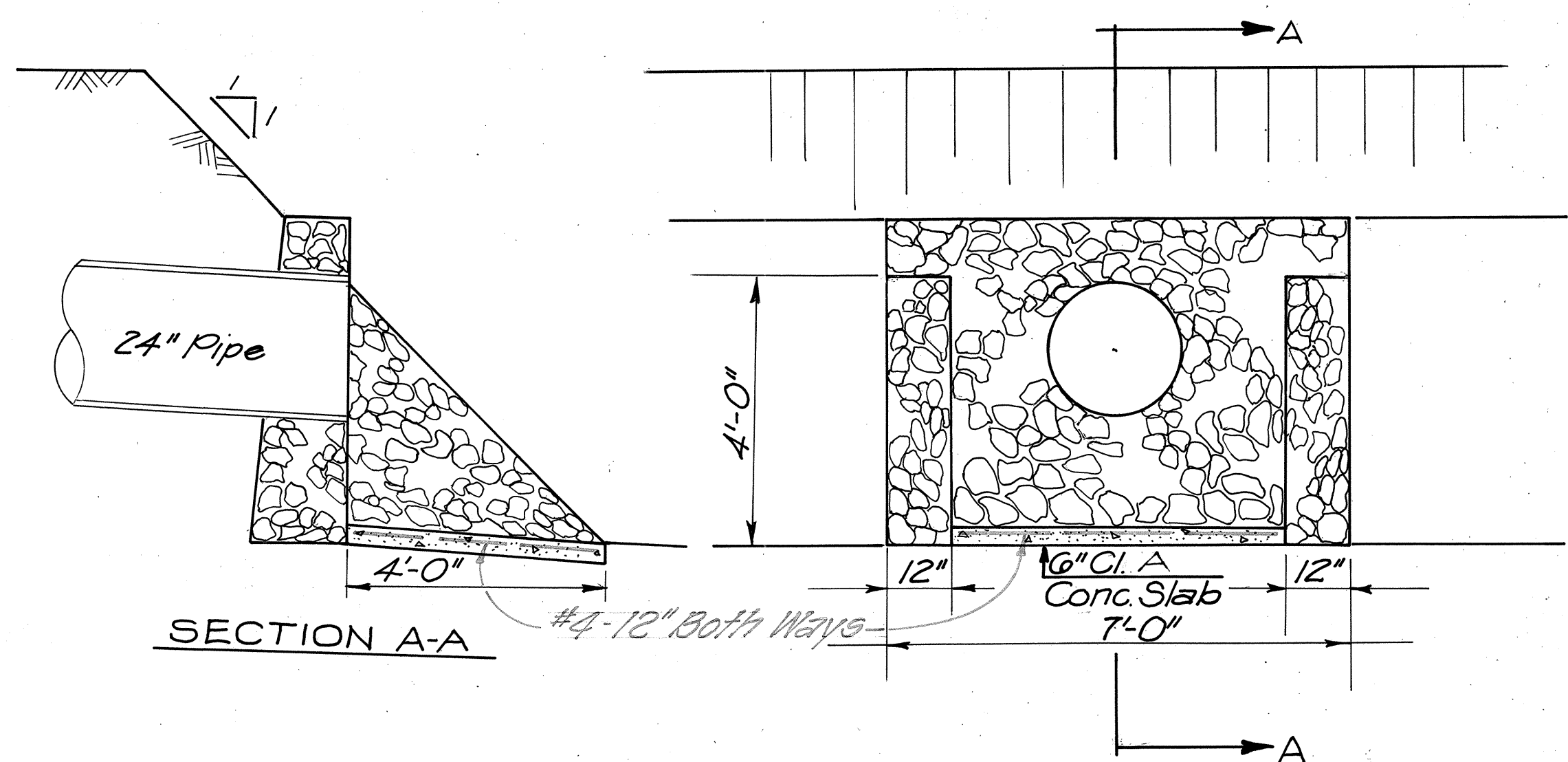
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123)10	1976	35	444



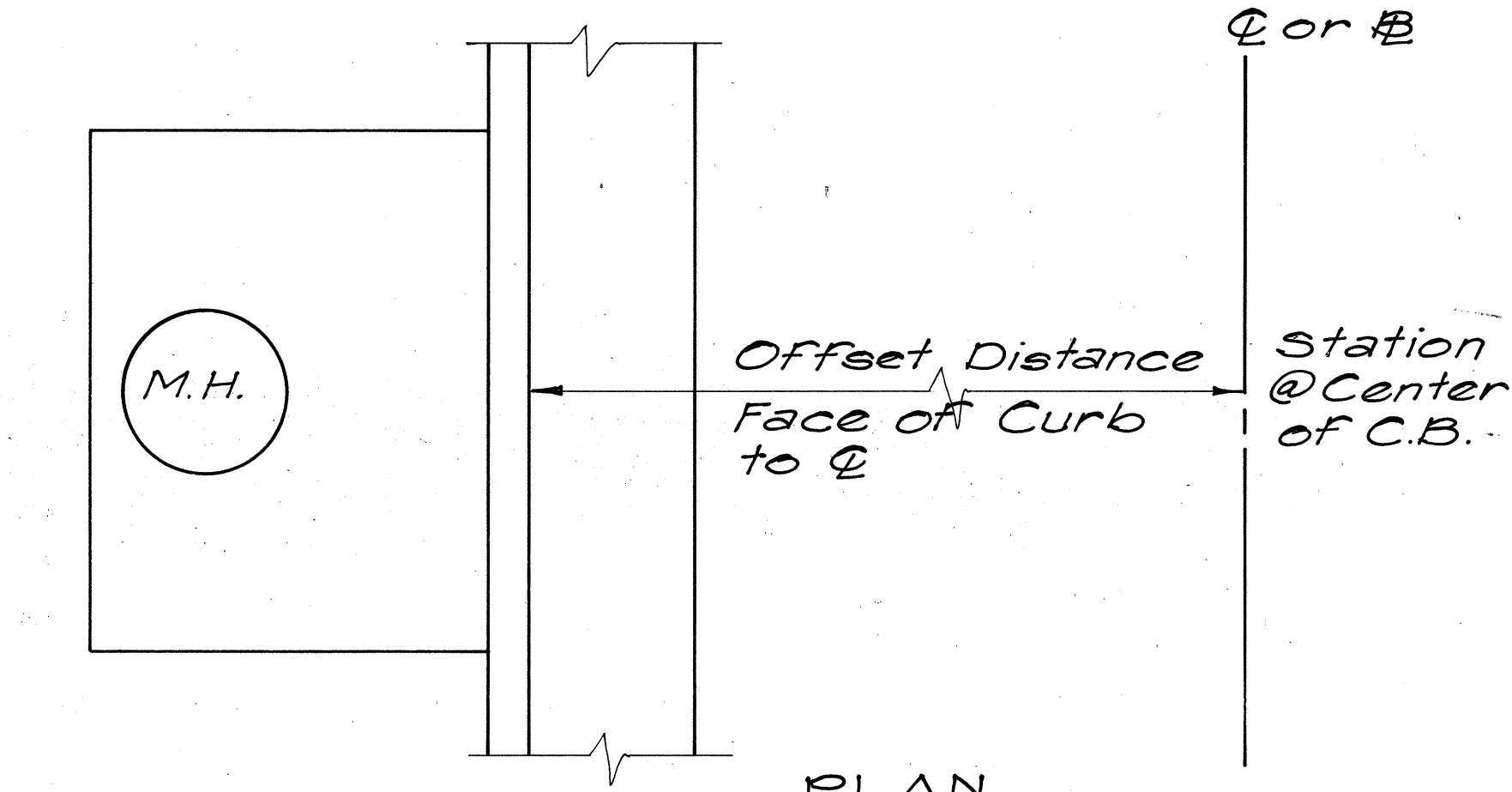
DROP INTAKE TYPE GIGI4
AT 57' LT. AOOLE STA. 85+05
NO SCALE



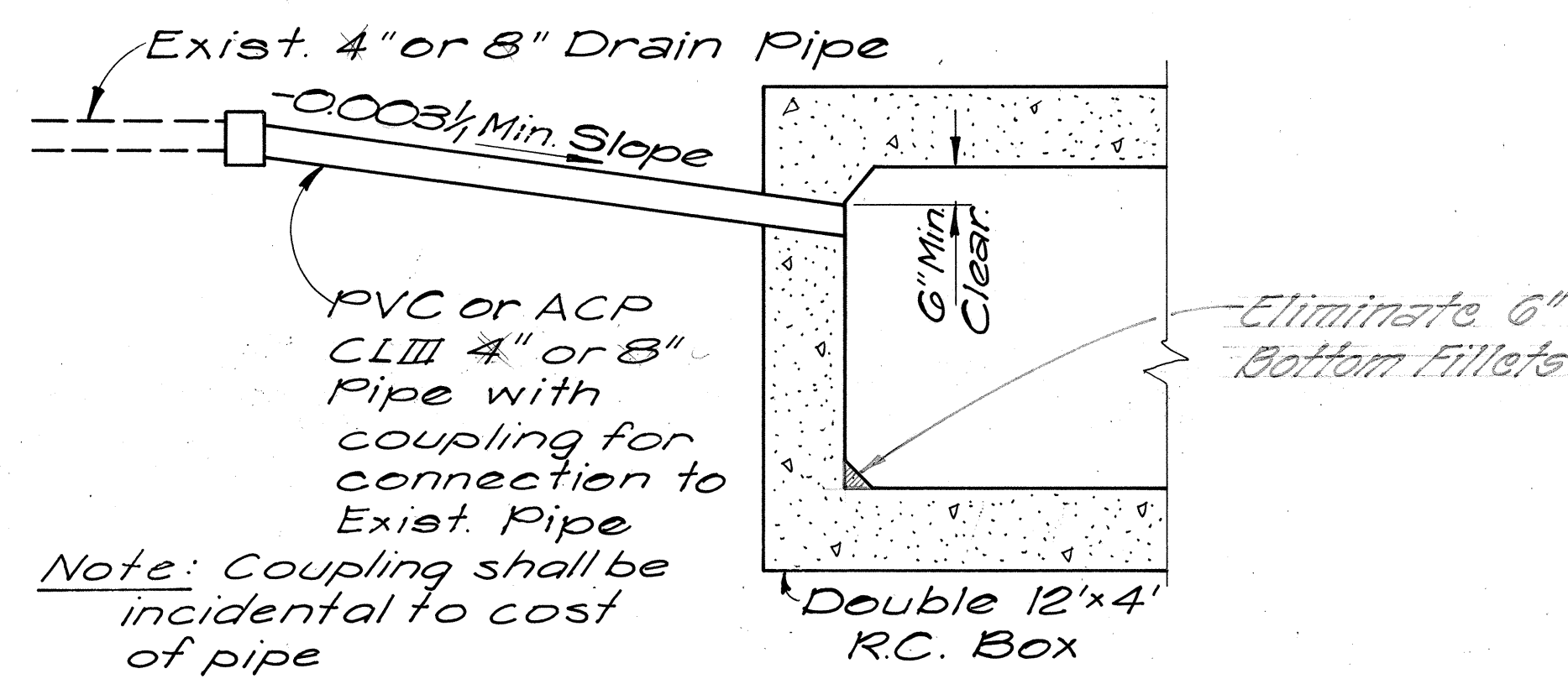
DROP INTAKE TYPE GIGI4
AT 24' LT. AOOLE STA. 91+00
NO SCALE



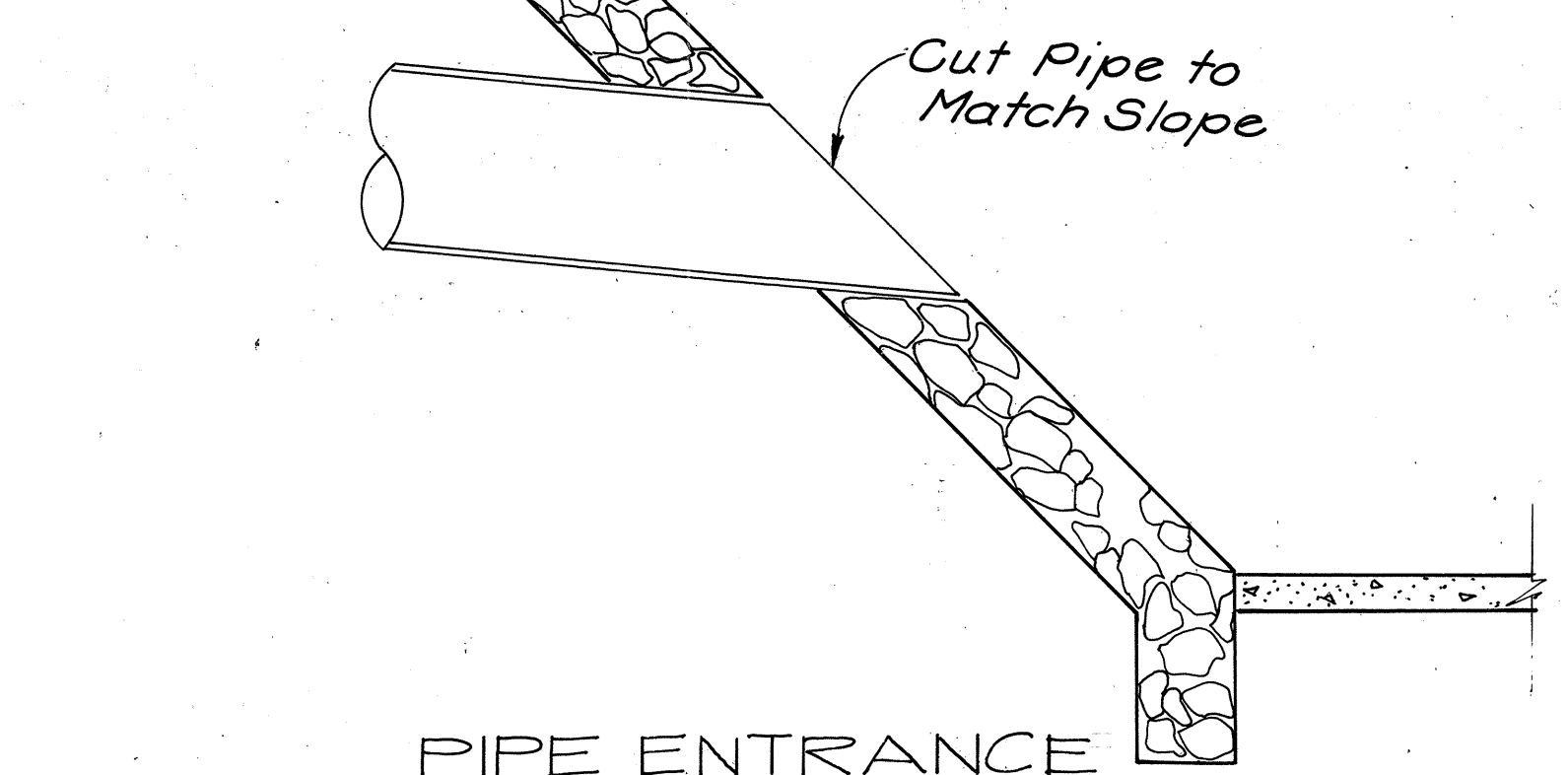
CRM HEADWALL
W/WING WALLS
NO SCALE
See Sht. No. 73 for
additional details



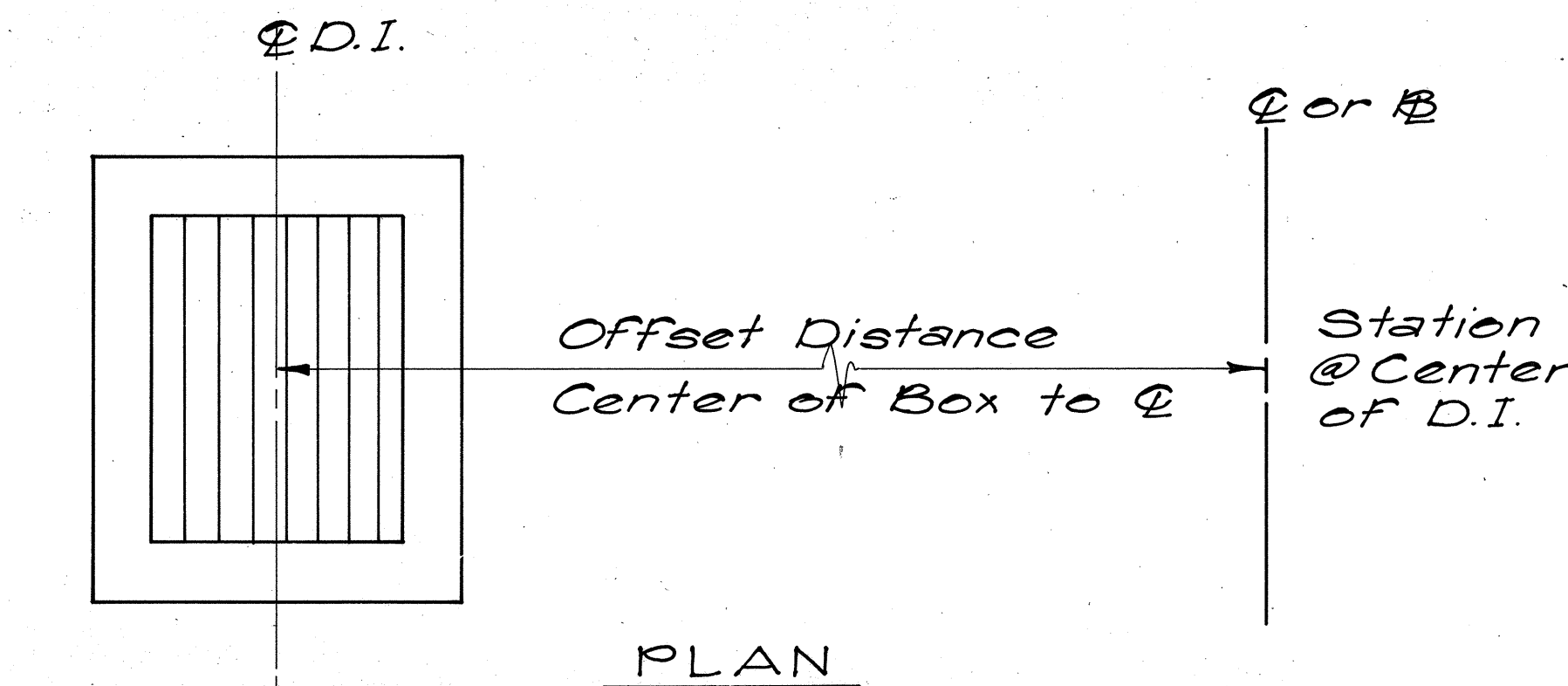
TYPICAL AT CATCH BASINS
NO SCALE



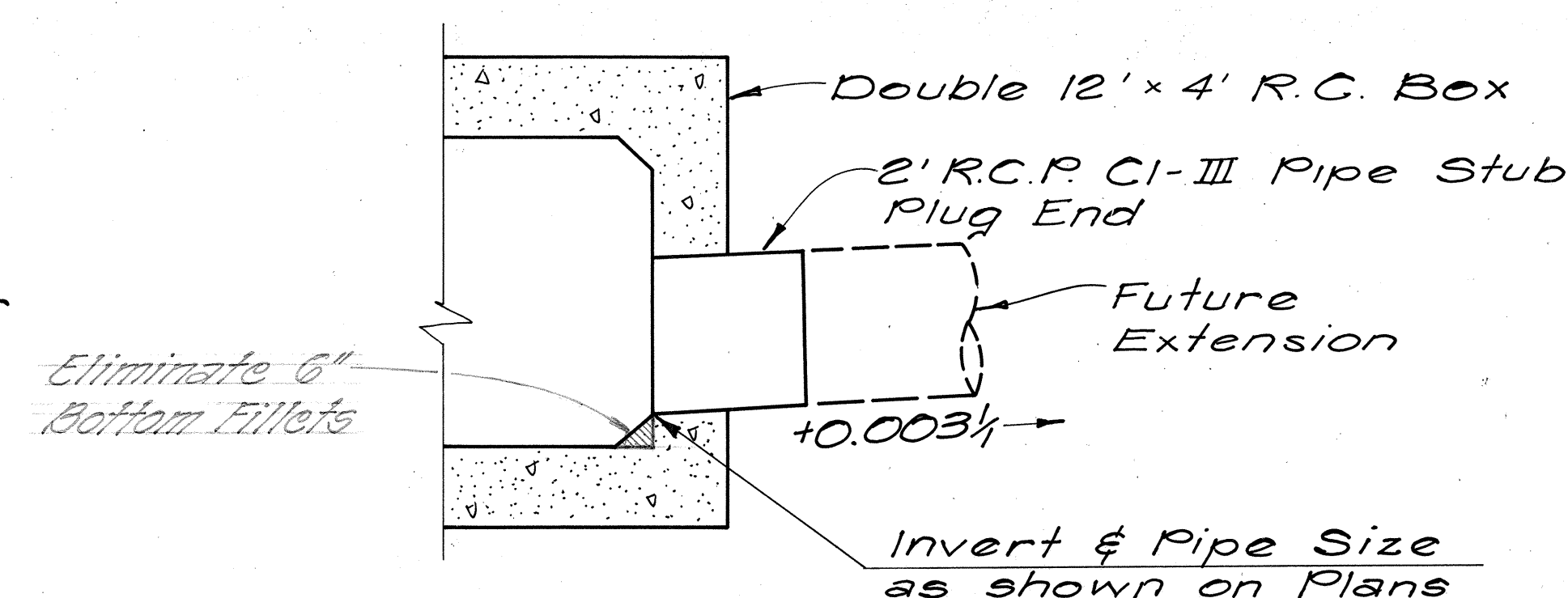
TYPICAL CONNECTION
FOR EXISTING DRAIN PIPE
NO SCALE



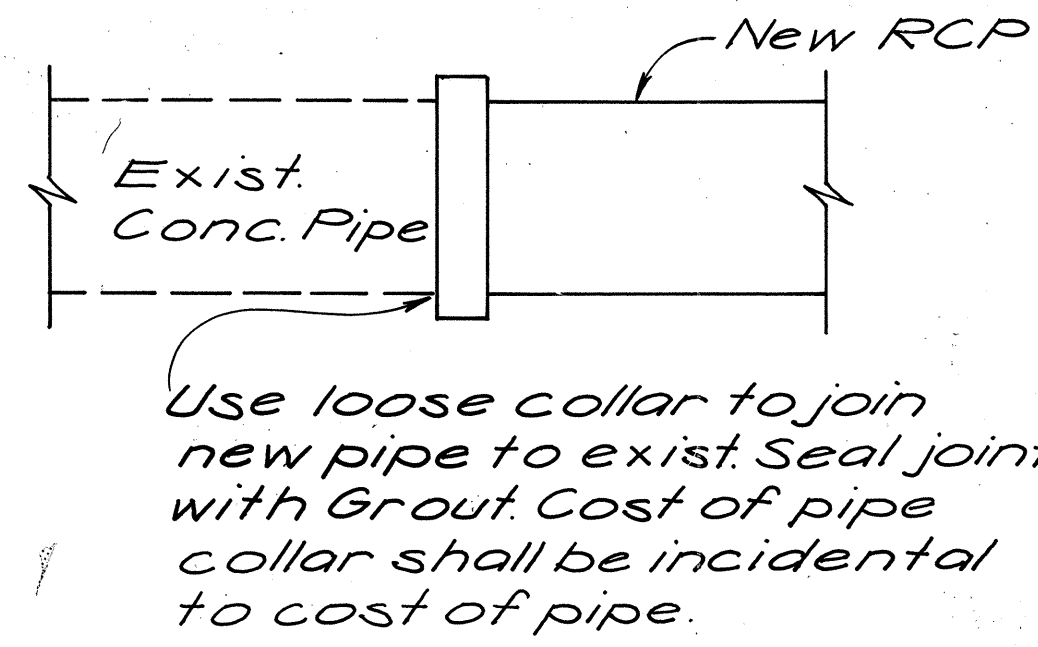
PIPE ENTRANCE
AT CRM LINING



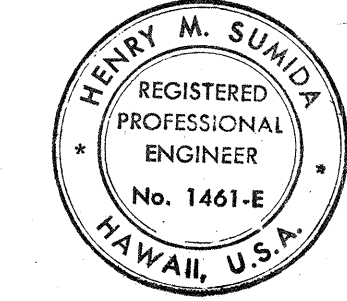
TYPICAL AT DROP INTAKES
NO SCALE



TYPICAL PIPE STUB CONNECTIONS
NO SCALE



PIPE CONNECTION TO
EXISTING PIPE
NO SCALE



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Henry M. Sumida
Signature

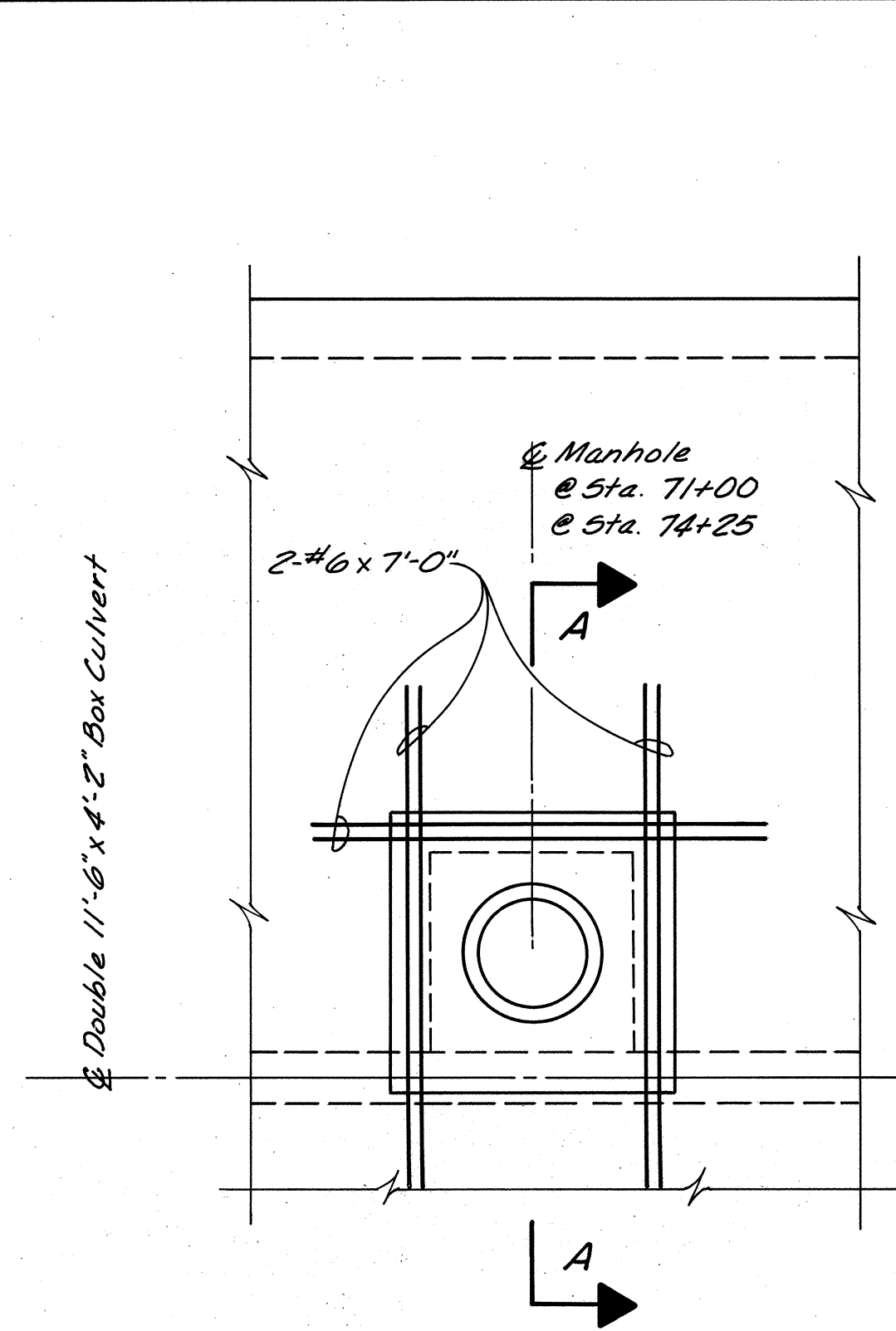
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

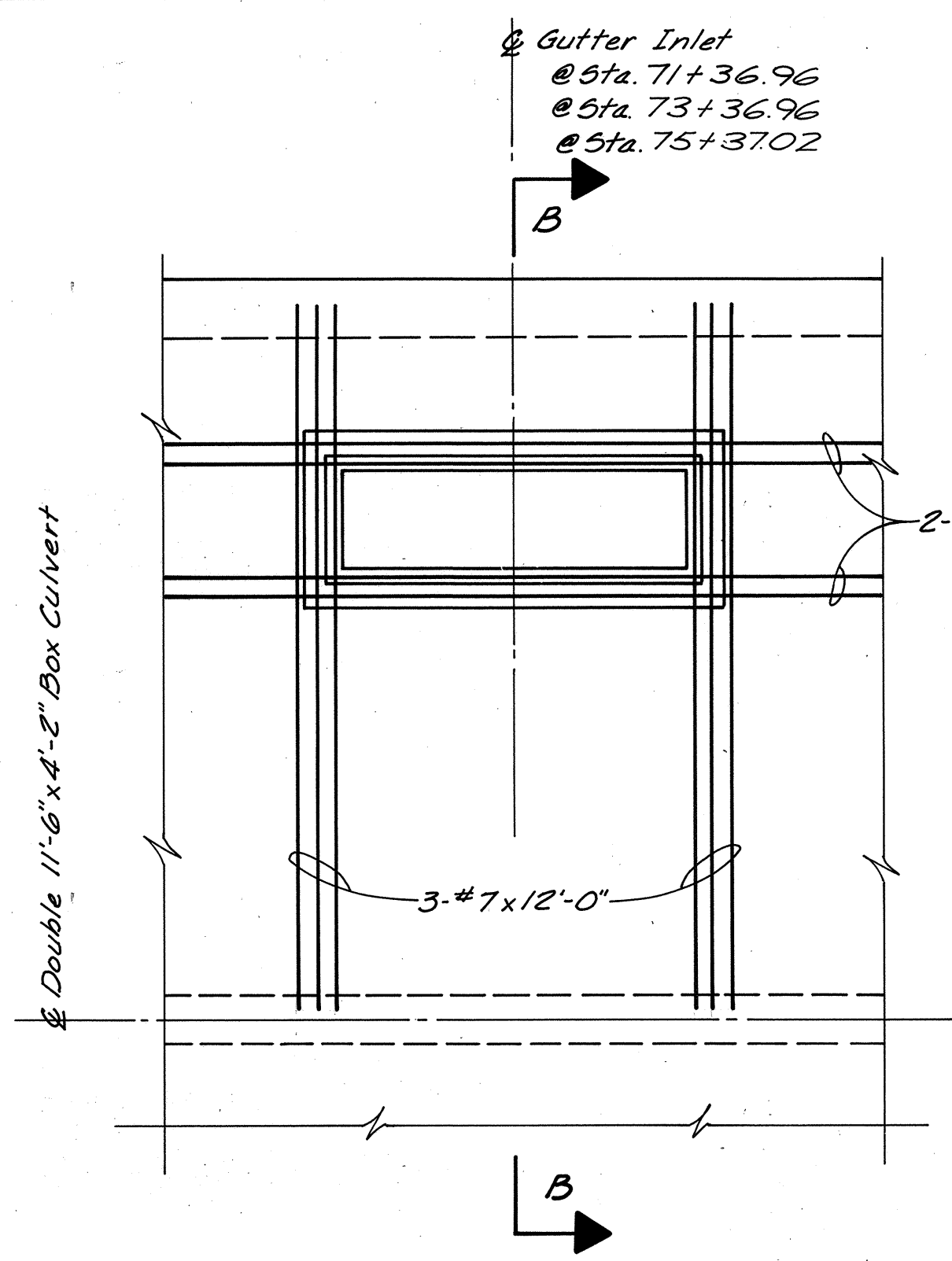
AIRPORT INTERCHANGE
F.A.I. PROJ. NO. I-HI-1(123)10

SCALE: AS SHOWN DATE: AUG. 28, 1976
SHEET No. D-5 OF 27 SHEETS

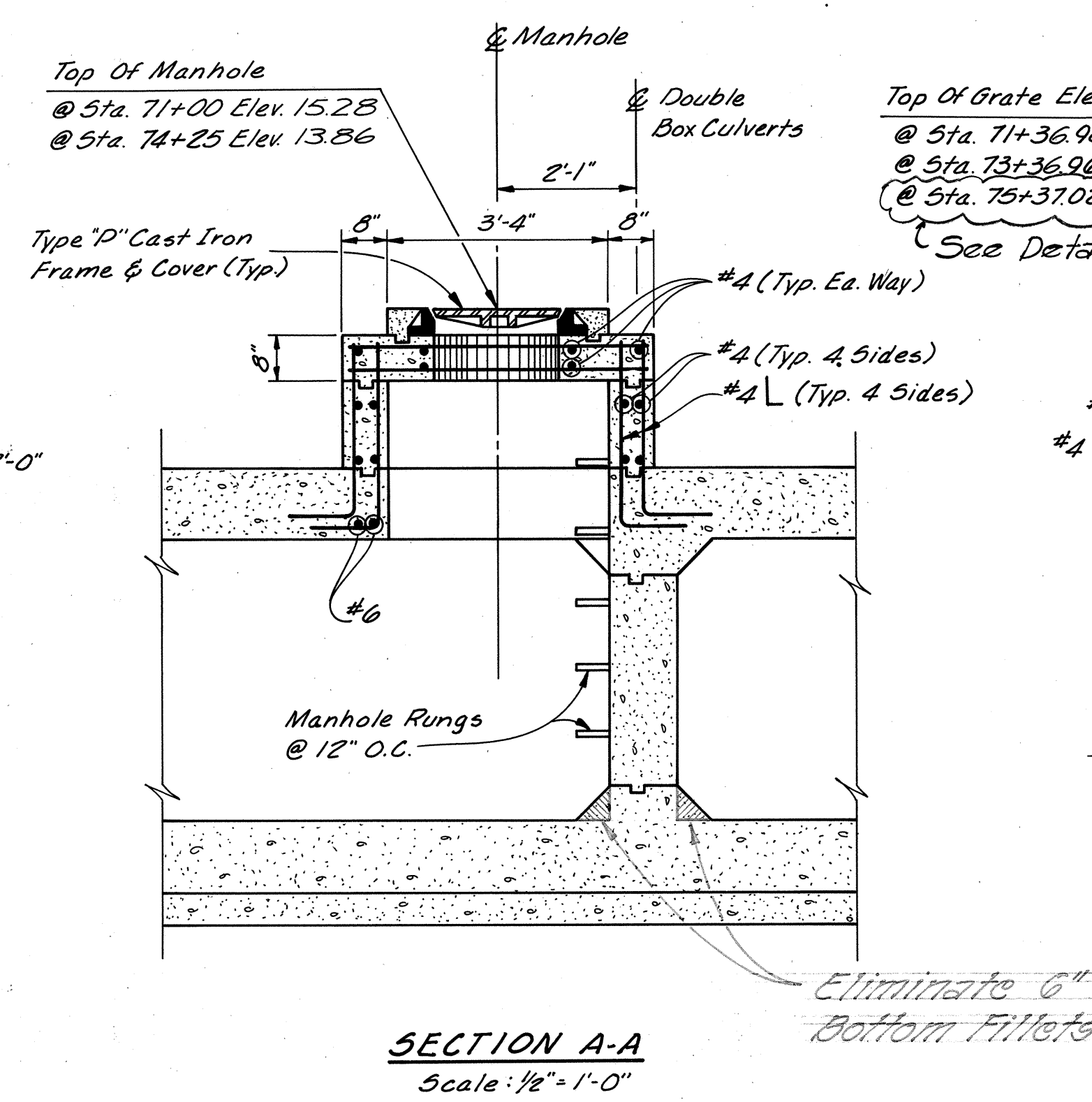
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(23)16	1976	37	444



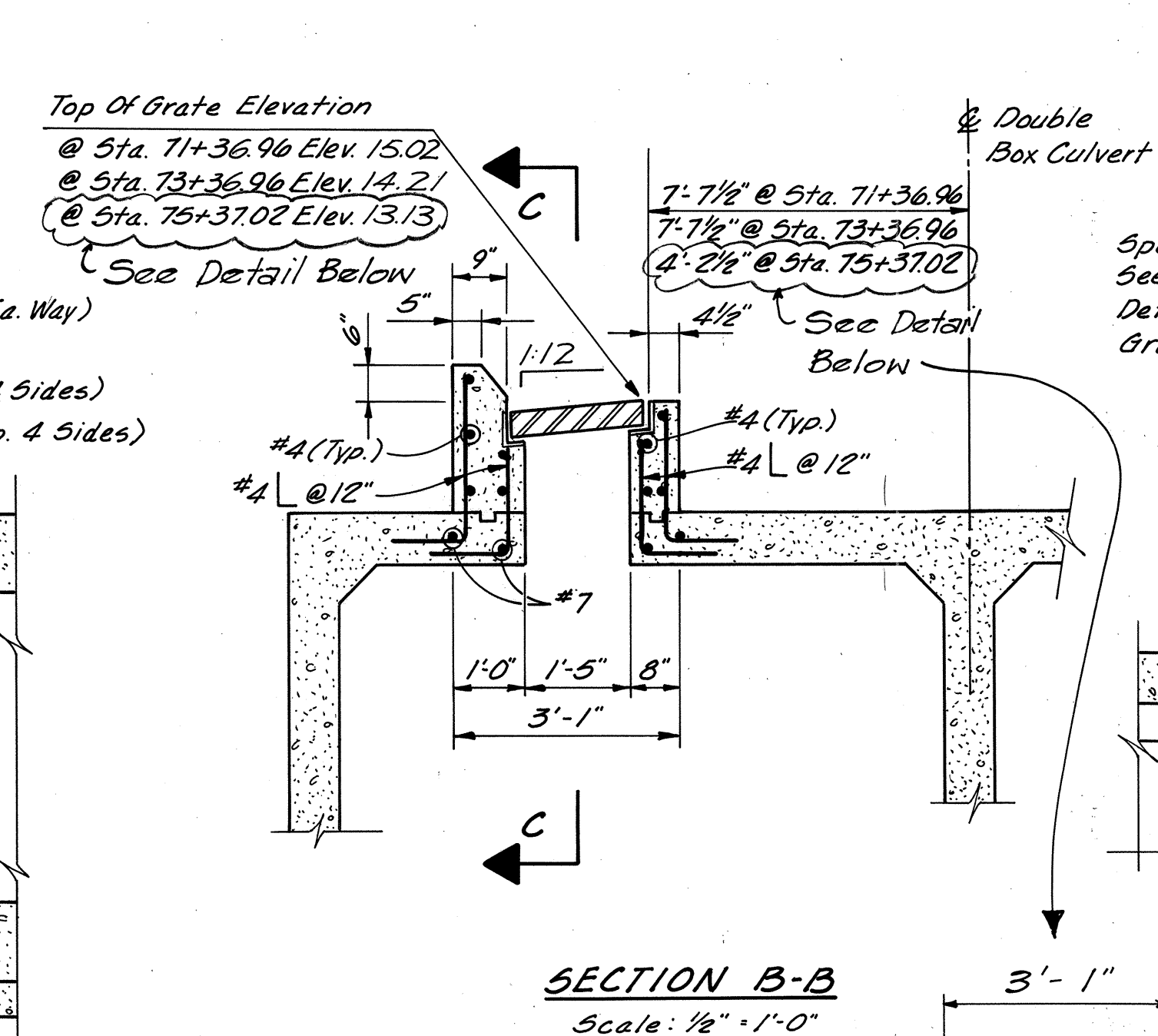
PARTIAL PLAN @ MANHOLE
Scale: 3/8" = 1'-0"



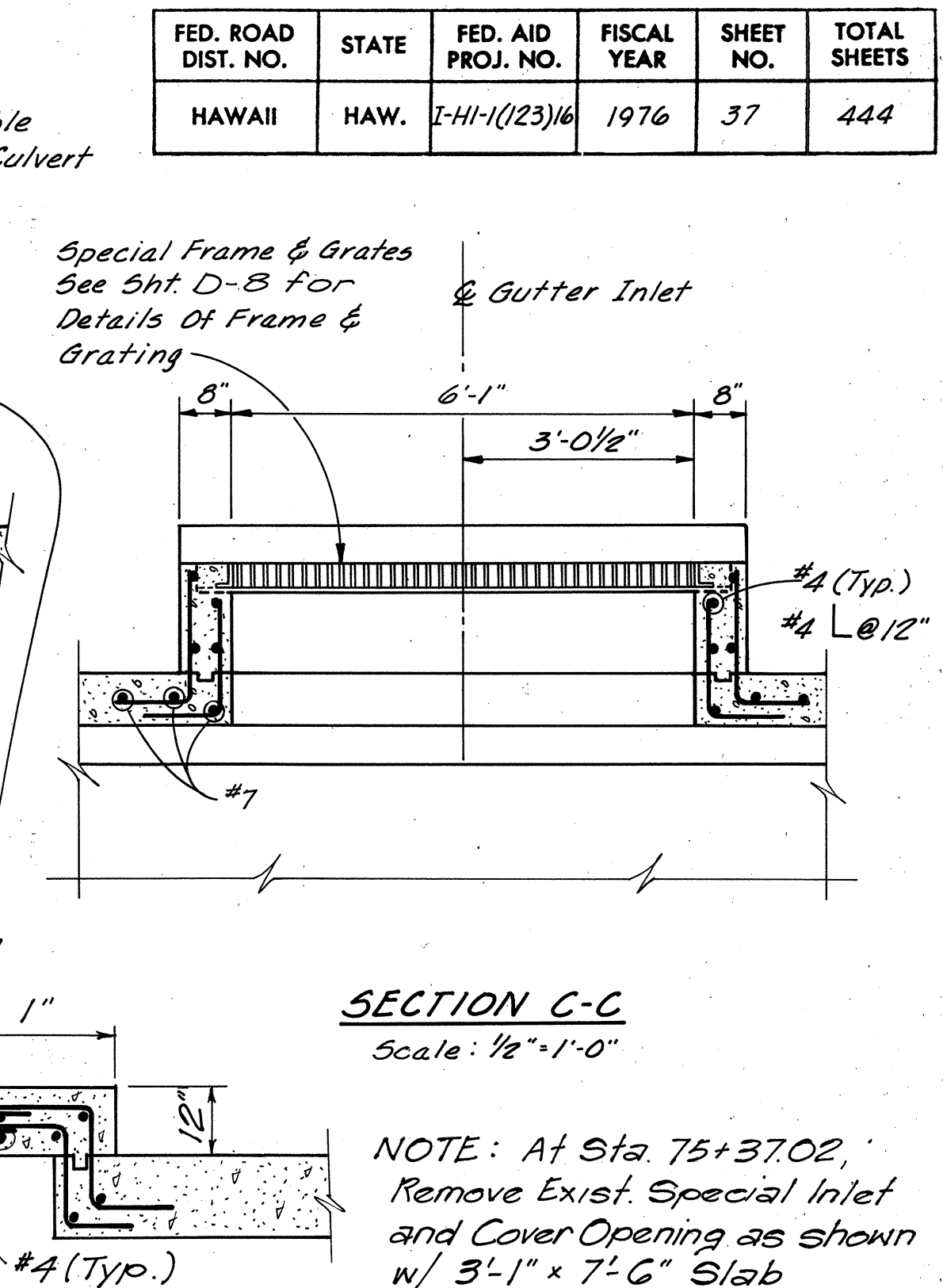
PARTIAL PLAN @ GUTTER INLET
Scale: 3/8" = 1'-0"



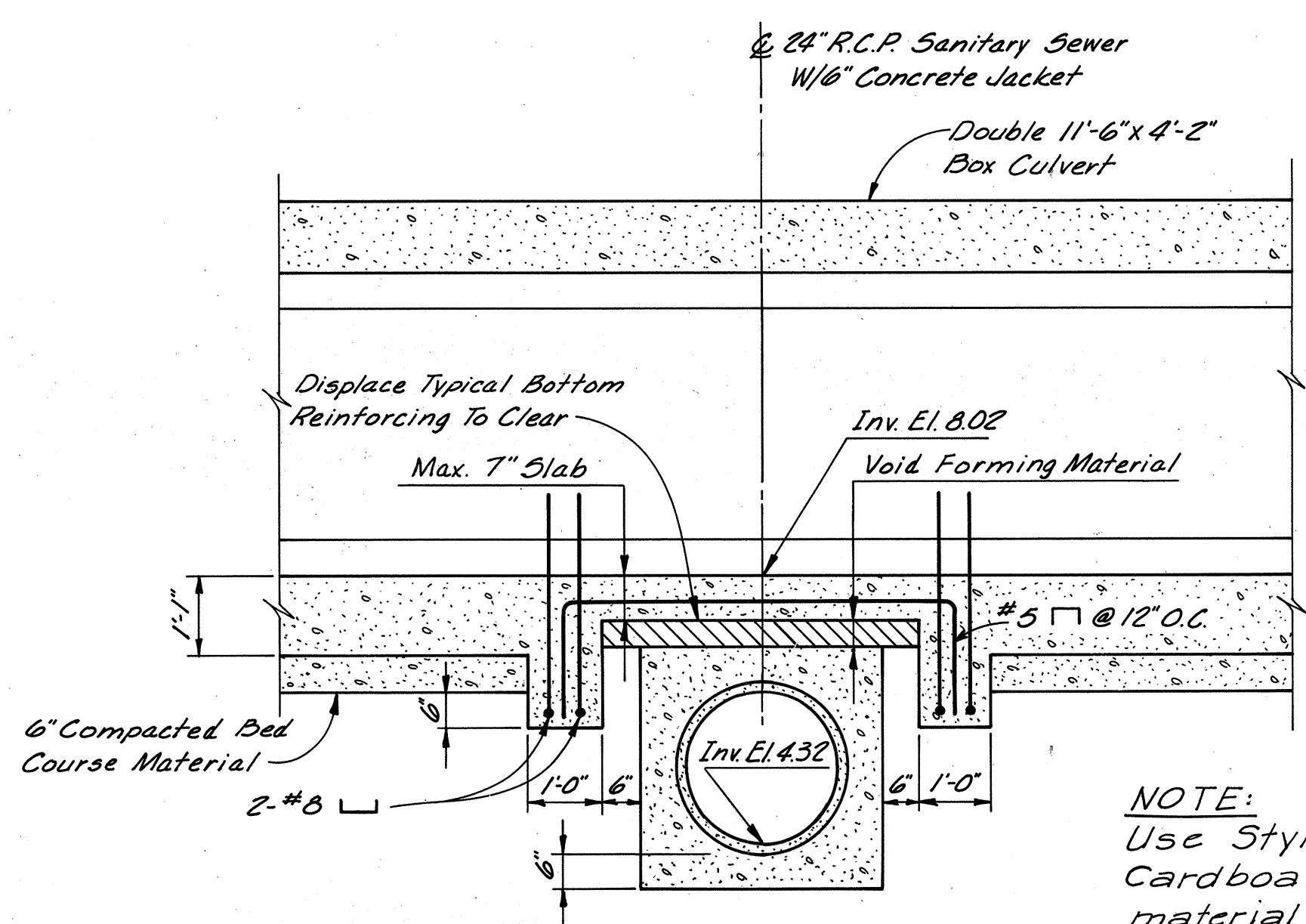
SECTION A-A
Scale: 1/2" = 1'-0"



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

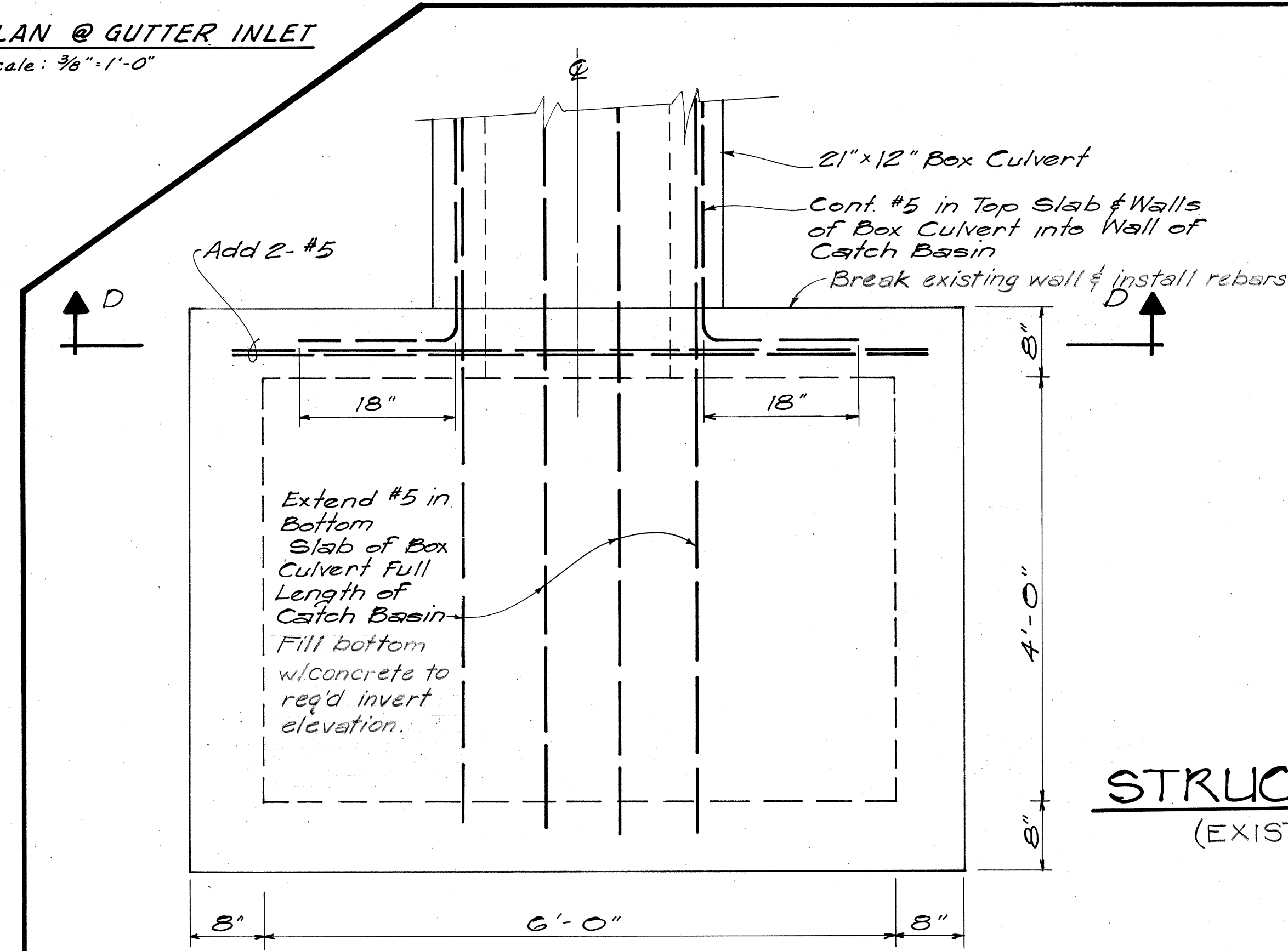


SECTION C-C
Scale: 1/2" = 1'-0"

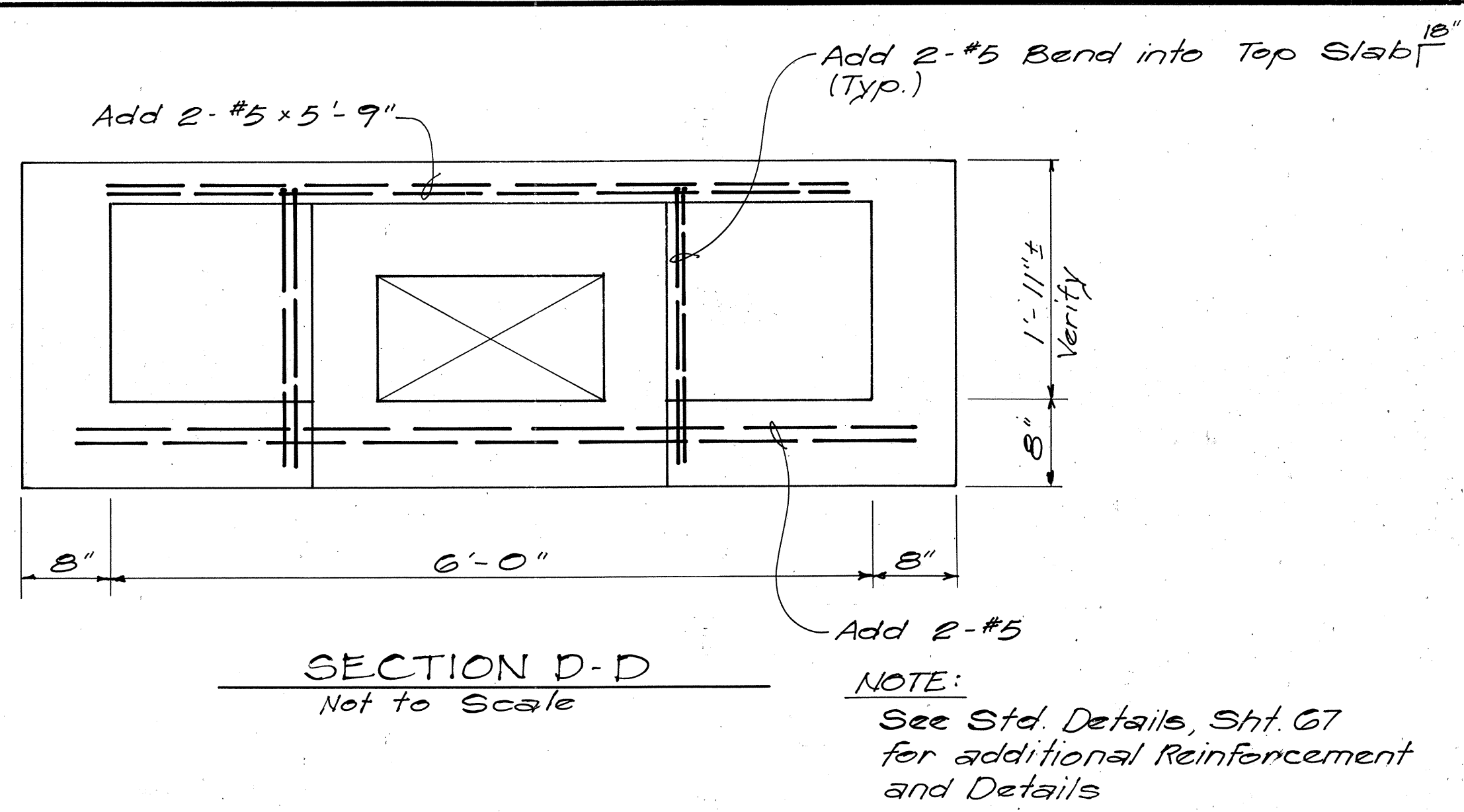


SANITARY SEWER CROSSING @ STA. 71+08
Scale: 1/2" = 1'-0"

NOTE:
Use Styrofoam or Corrugated Cardboard for void forming material



PLAN
Not to Scale

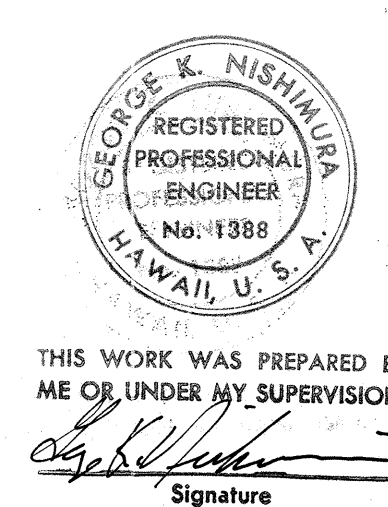


SECTION D-D
Not to Scale

NOTE:
See Std. Details, Sht. 67 for additional Reinforcement and Details

STRUCTURE #25
(EXISTING)

DATE	REVISION
10-13-78	Added Cover Detail for Demolished Inlet
8-1-78	Added Structure #25 Details
	Added Note for Void Forming Material.
12-3-76	Changed MH Frame and Cover, Added Special Intake, Deleted 6 x 4 Box and Junction.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DOUBLE 11'-6" x 4'-2" R.C. BOX CULVERT DETAILS
(AOOLE STREET)
STA. 70+36.96 TO STA. 77+25
AIRPORT INTERCHANGE I-HI-1 (23) 16
SCALE: AS NOTED DATE: AUG. 28, 1976

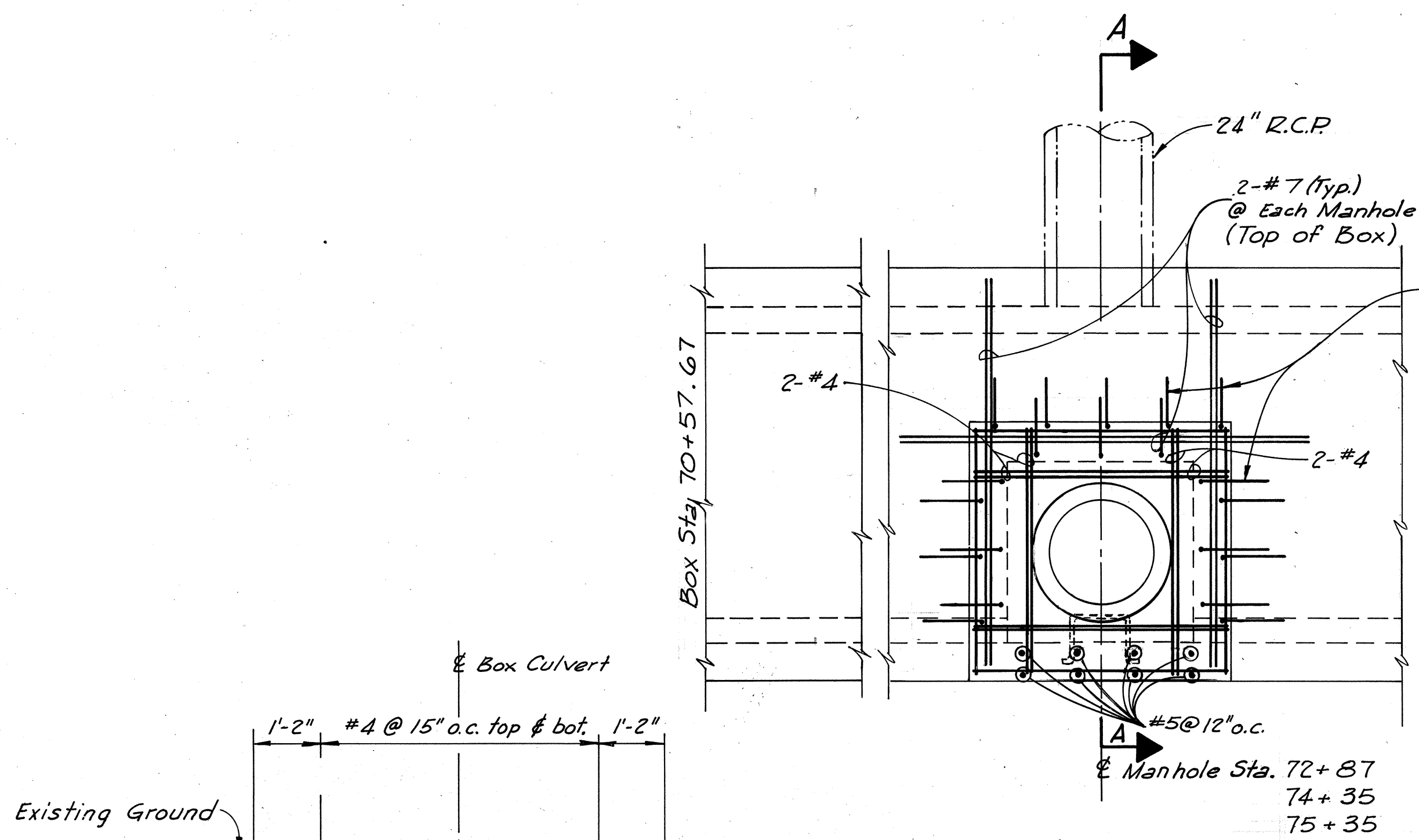
SHEET No. D-7 OF 27 SHEETS

CO ADD 37

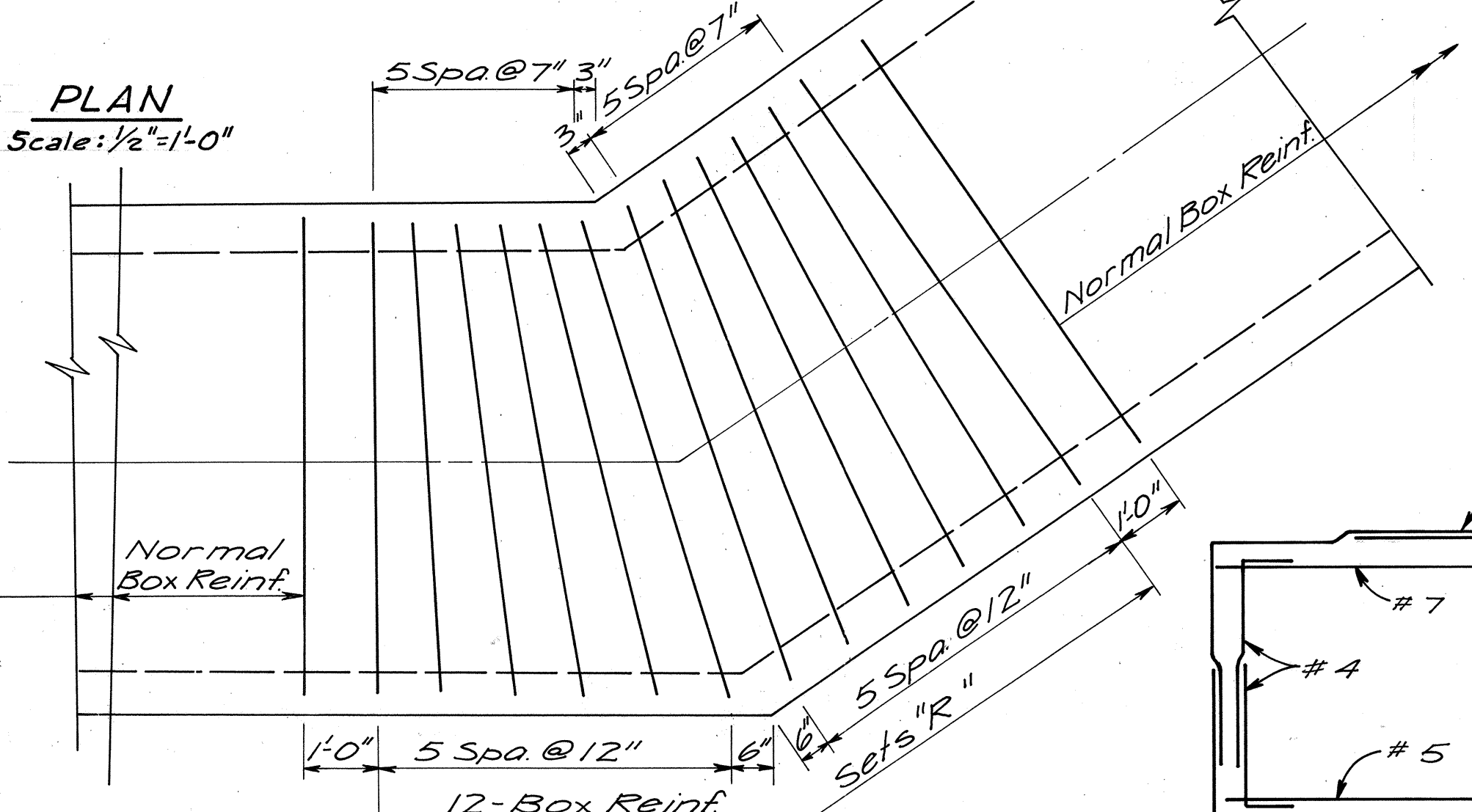
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123)16	1976	39	444

NOTES

- See also, Special Provisions and Specifications.
- See Hawaii Standard Details including:
Dwg. No. DH 6 "Catch Basin and Manhole Castings."
Dwg. No. DH 7 "Type A-9 and A-12 Frame & Grates."
- All concrete shall be Class "A" Reinforced Concrete Design Data:
 $f_c = 3,000$ p.s.i. (28 Days)
 $f_s = 20,000$ p.s.i. Deformed Bars
- Provide 1" chamfer for all exposed edges.
- All Reinforcing shall meet requirements of ASTM A615 Grade 40.
- Structural Steel incidental to Class "A" Concrete.
- Unless shown otherwise, all hooks are standard.
- Maintain 2" clear on all Reinforcing Steel unless otherwise noted.
- For Culvert Plan and Profile, see Sht. No. D-4
- For Typical Crack Control Joint, Construction Joint and Expansion Joint details, see Sht. No. D-6
- Weep Holes and Rock Filter shall be incidental to Class "A" concrete.
- Expansion Joint or Crack Control Joints shall not be placed less than 8' from ϕ Manhole or Inlet.

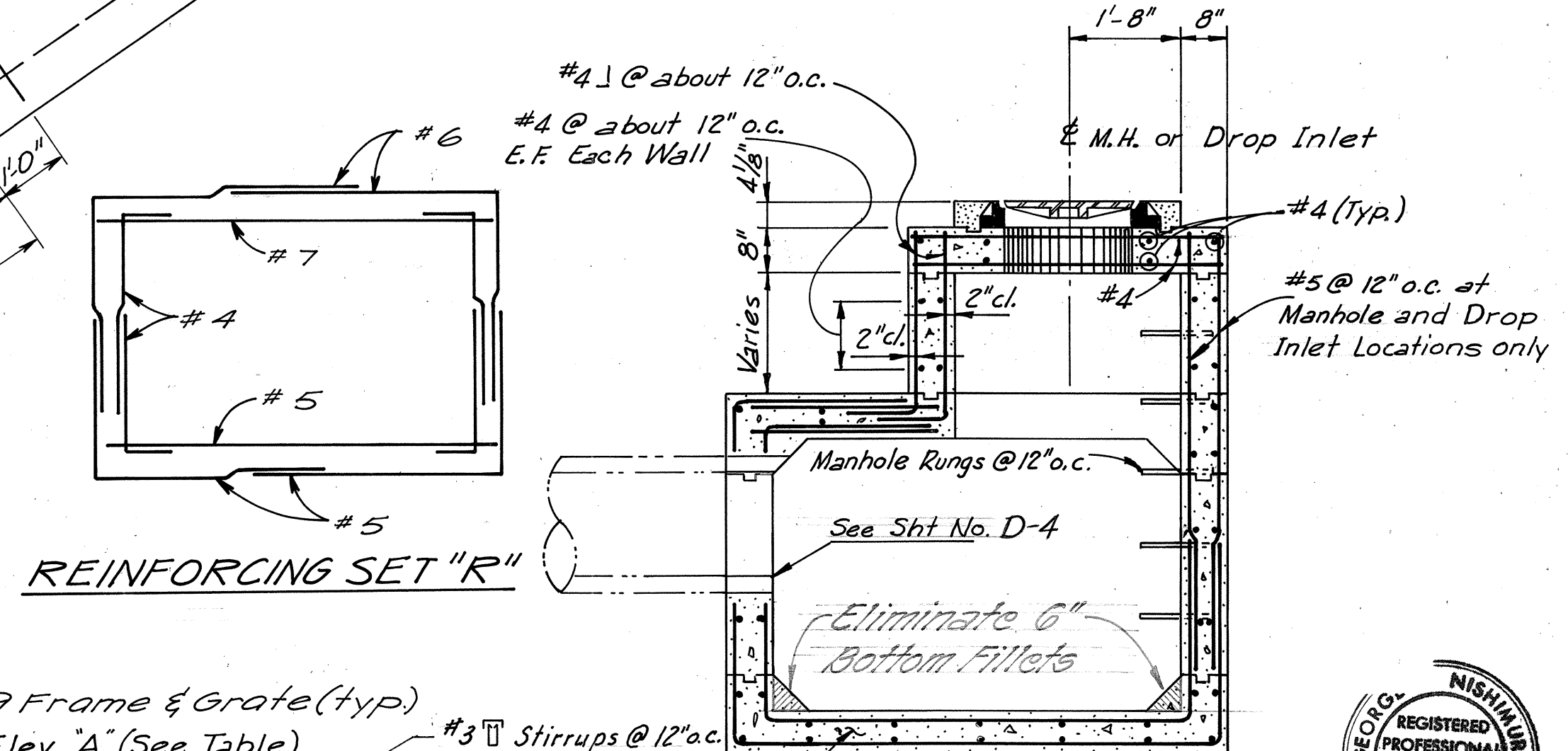


PLAN
Scale: 1/2" = 1'-0"



BOX BEND - STA. 75+45 & STA. 76+29.88
Scale: 1/2" = 1'-0"

REINFORCING SET "R"



Typical Box Reinforcing cut as required to clear opening for Manhole or Drop Inlet

TYPICAL BOX CULVERT SECTION
Scale: 1/2" = 1'-0"

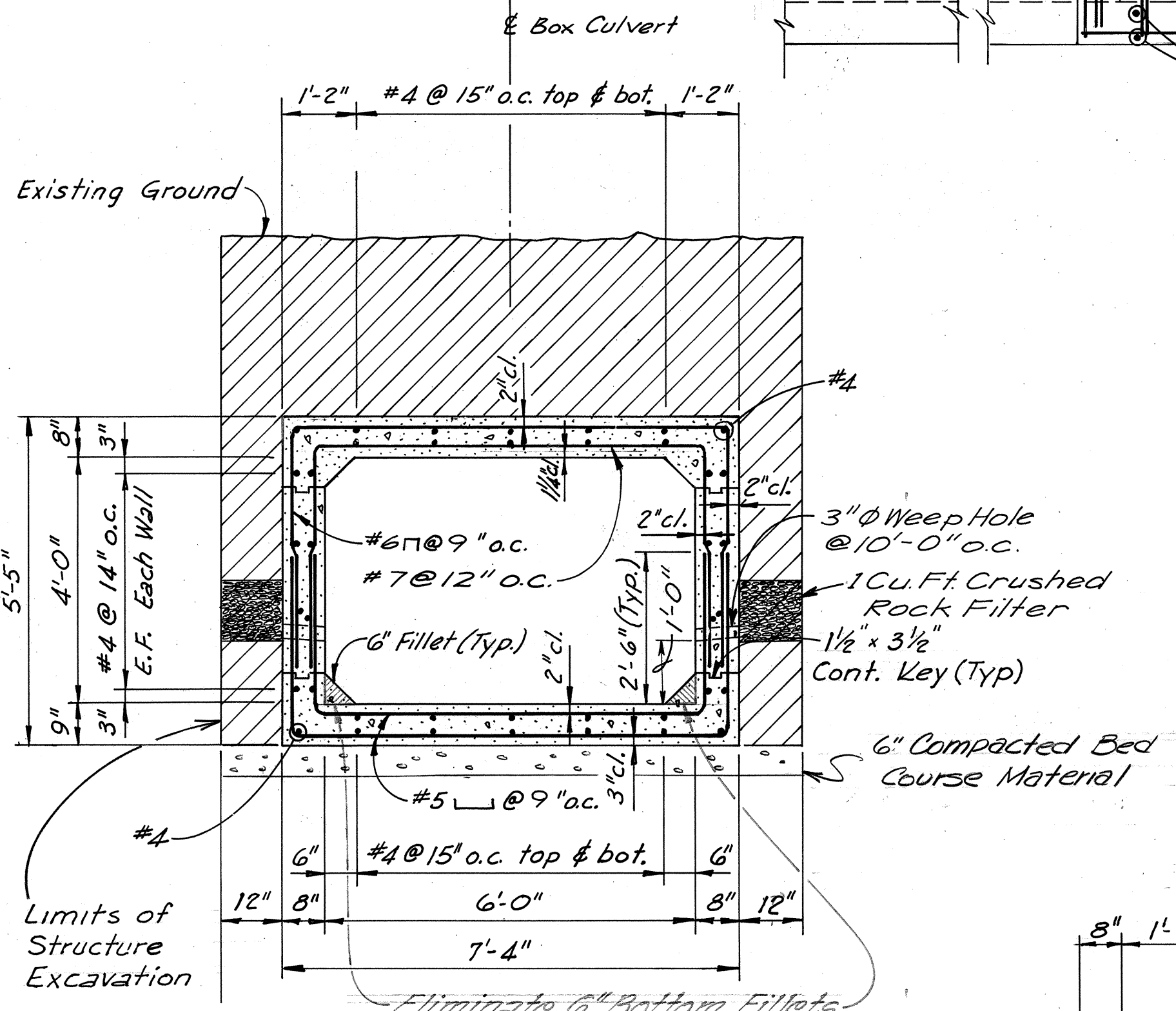
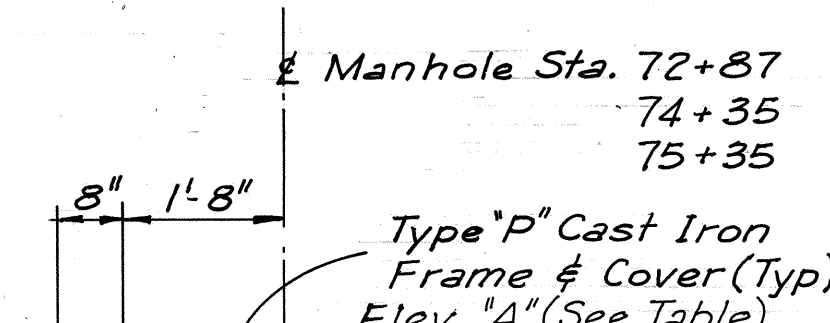
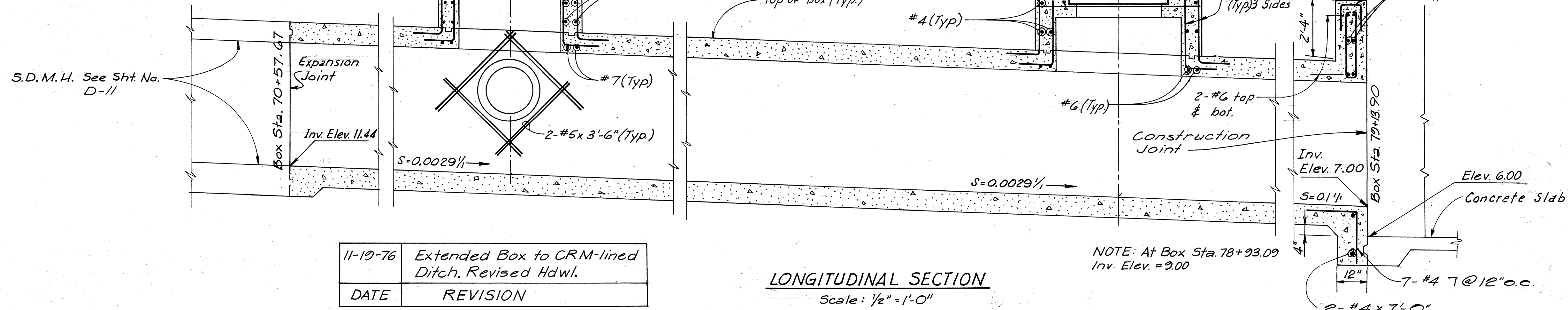


Table of Elevations		
Sta.	Type	Elev. "A"
72+87	M.H.	18.04
74+35	M.H.	17.38
75+35	M.H.	16.74
76+45	D.I.	16.00
77+30	D.I.	15.40
78+12	D.I.	14.90



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



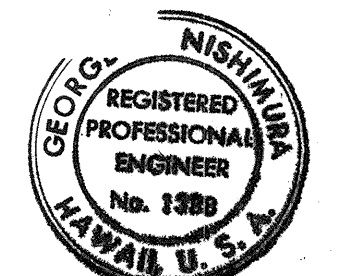
11-19-76	Extended Box to CRM-lined Ditch. Revised Hdw.
DATE	REVISION

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

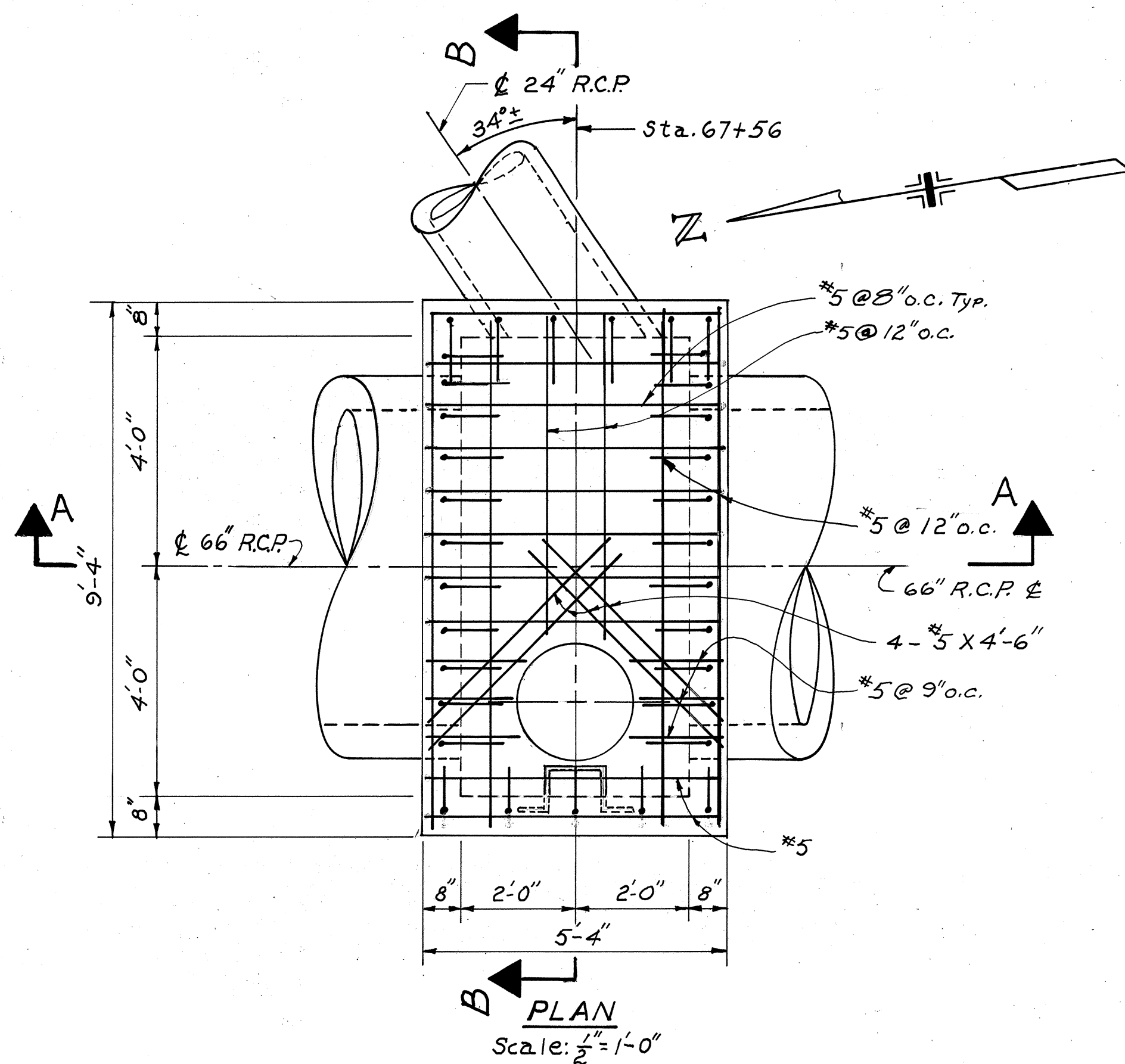
REINFORCED CONCRETE BOX CULVERT DETAILS
(PAIEA STREET)

AIRPORT INTERCHANGE
FAI PROJ. NO. I-HI-1(123)16
SCALE: AS SHOWN DATE: AUG. 28, 1976
SHEET No. D-9 OF 27 SHEETS

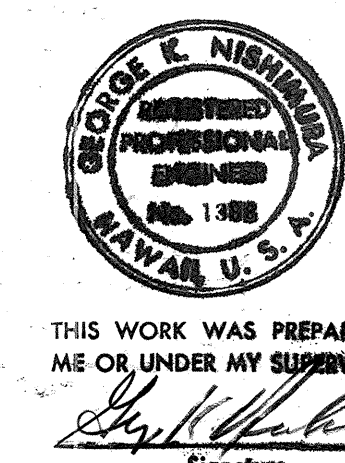
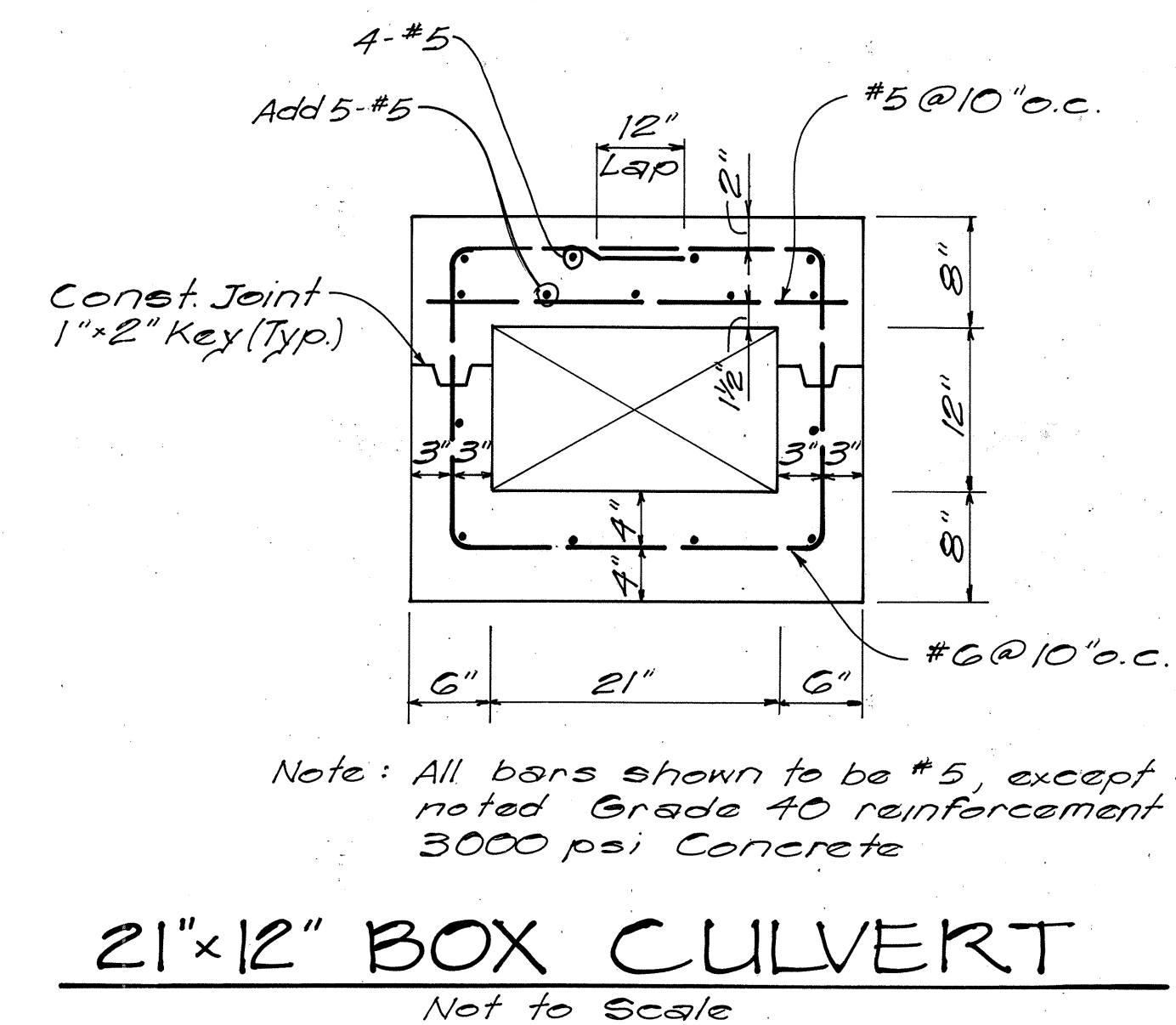
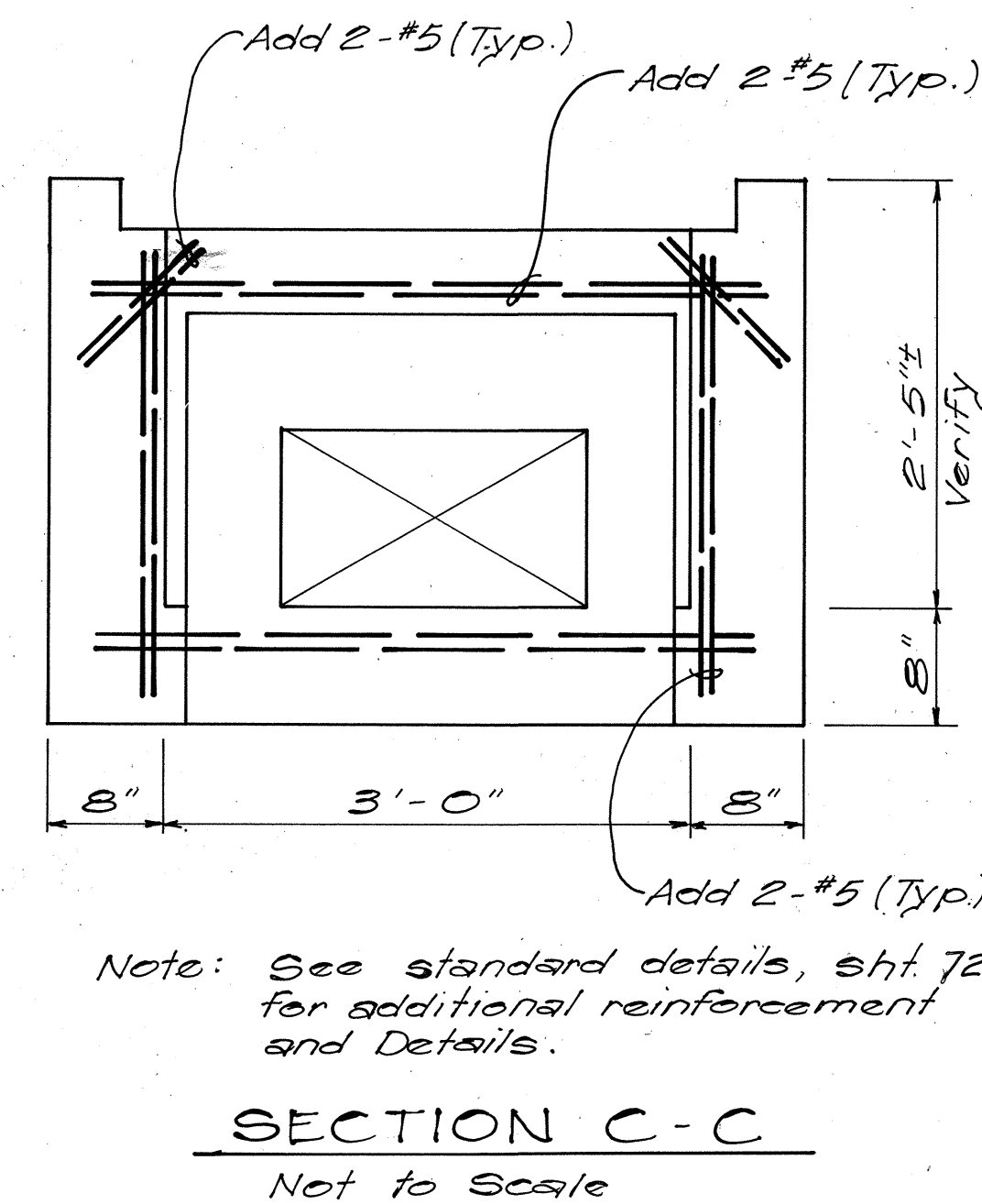
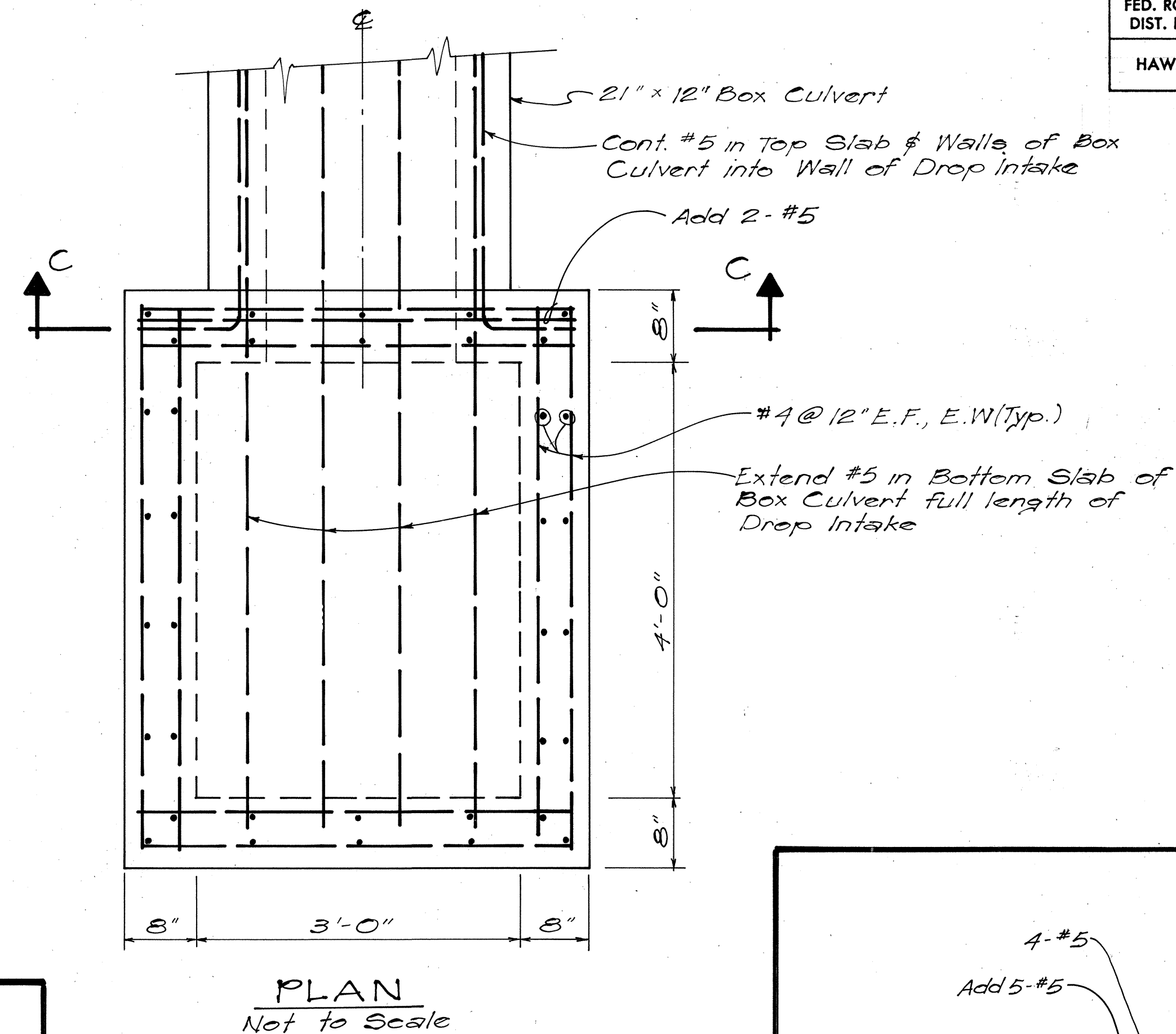
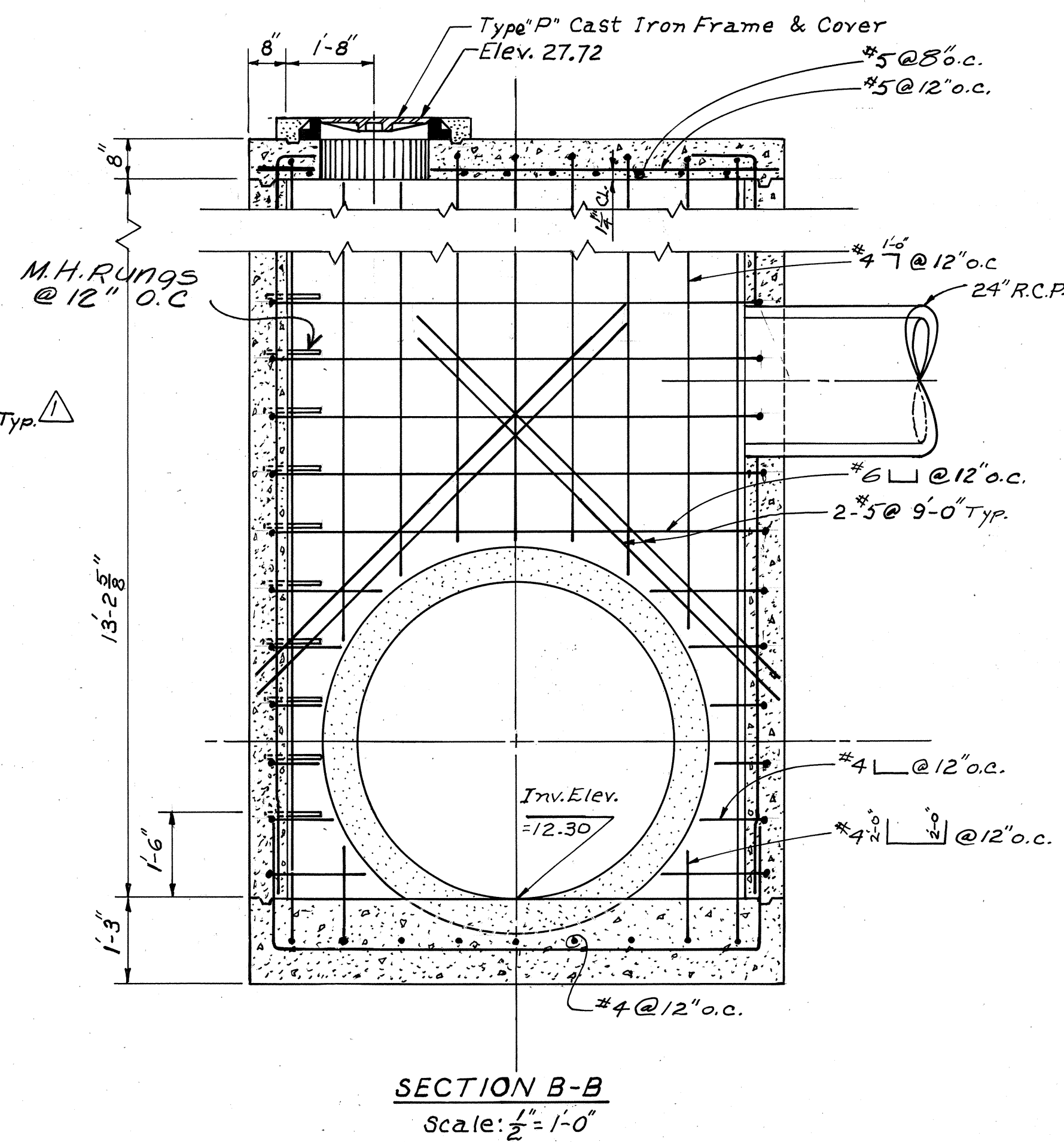
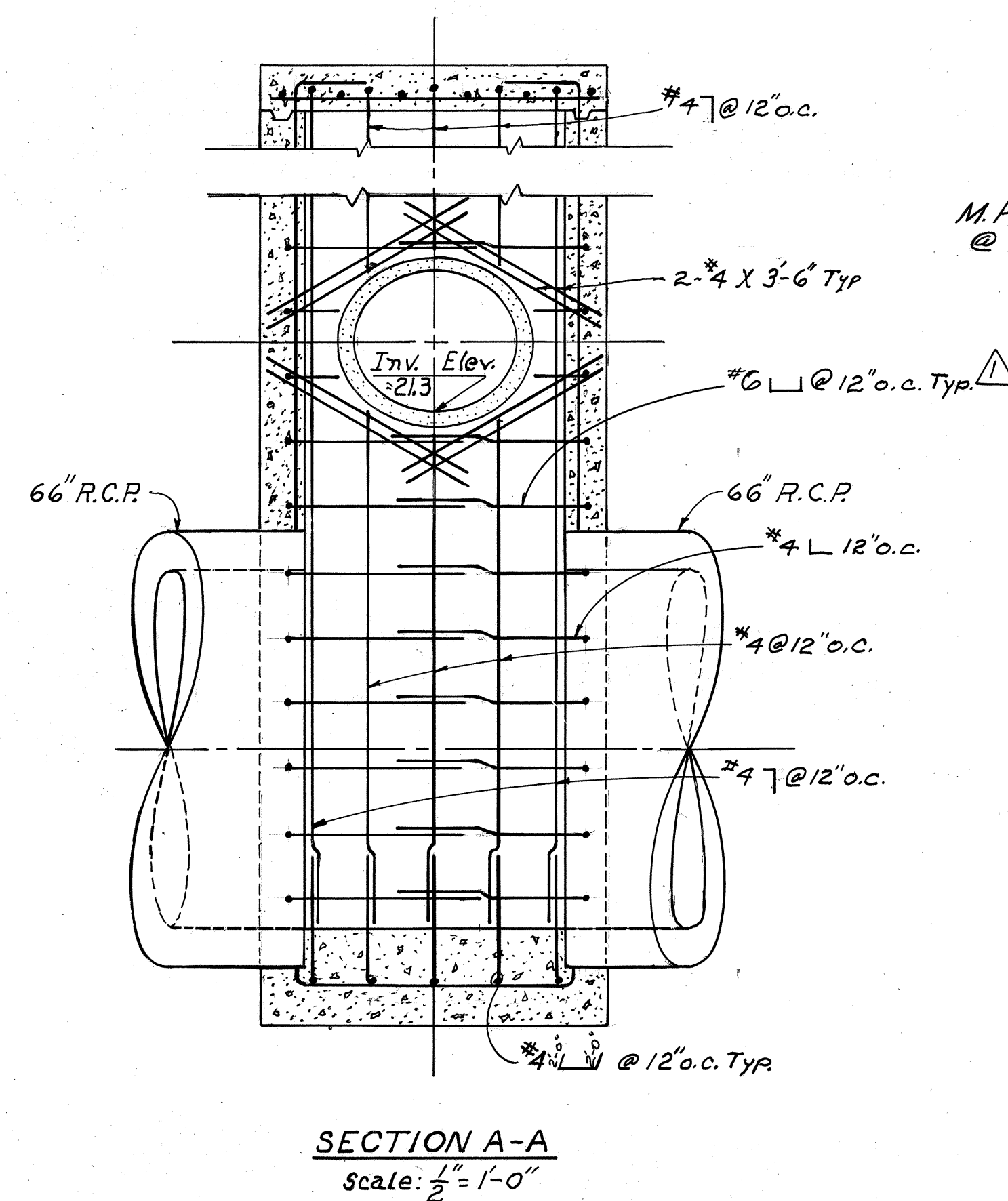


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Signature

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(23)-16	1976	40	444



- Notes:
1. See also, Special Provisions and Specifications.
 2. See Hawaii Standard Details including: Dwg. No. DHG "Catch Basin and Manhole Castings".
 3. All concrete shall be Class "A" Reinforced Concrete Design Data:
 $f_c = 3,000$ psi (28 days)
 $f_s = 20,000$ psi Deformed Bars
 4. Provide 1" chamfer for all exposed edges.
 5. All reinforcing shall meet requirements of ASTM A615 Grade 40.
 6. Unless shown otherwise all hooks are standard.
 7. Maintain 2" clear on all reinforcing steel unless otherwise noted.
 8. Manhole rungs are incidental to Class "A" Concrete.



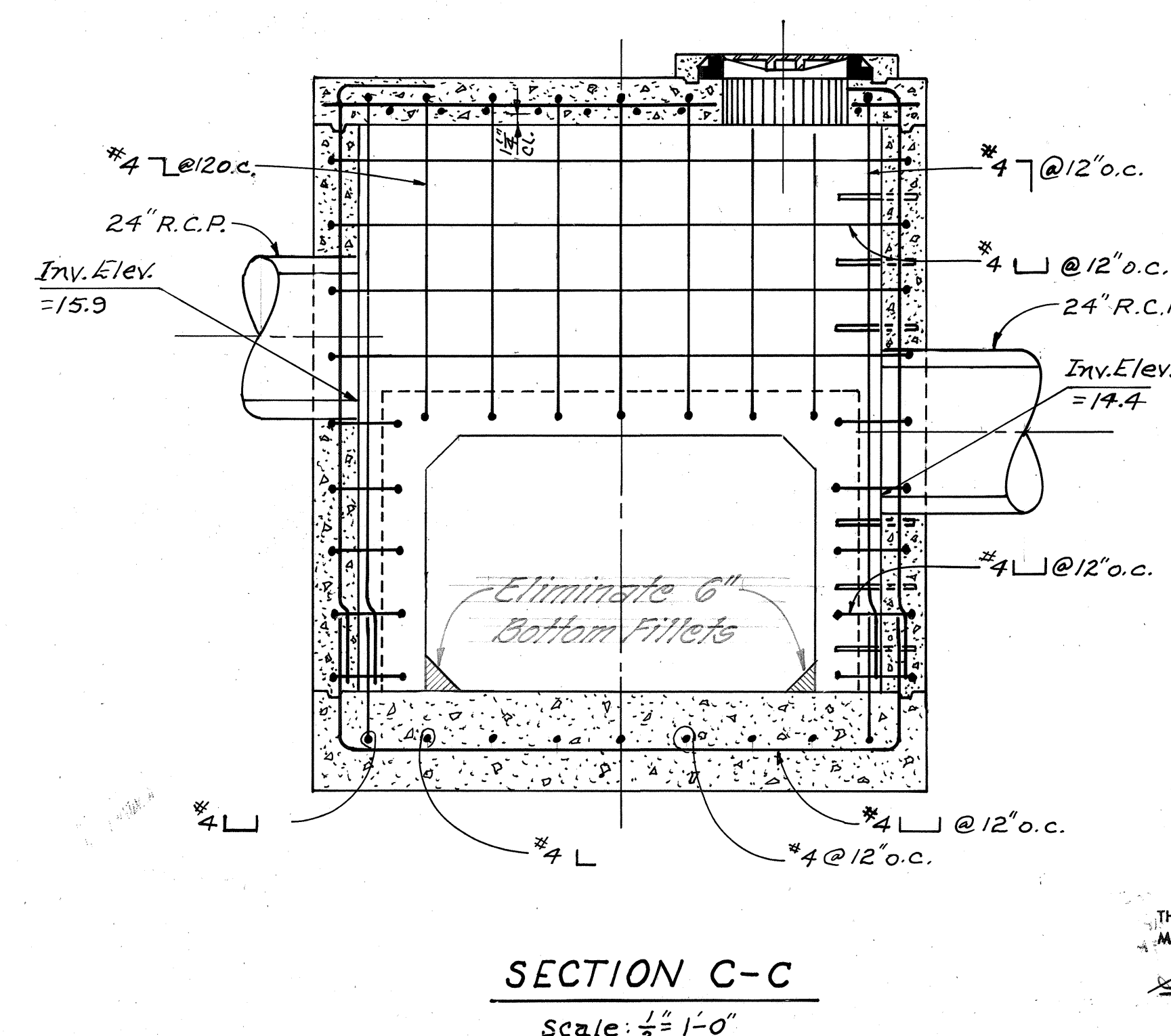
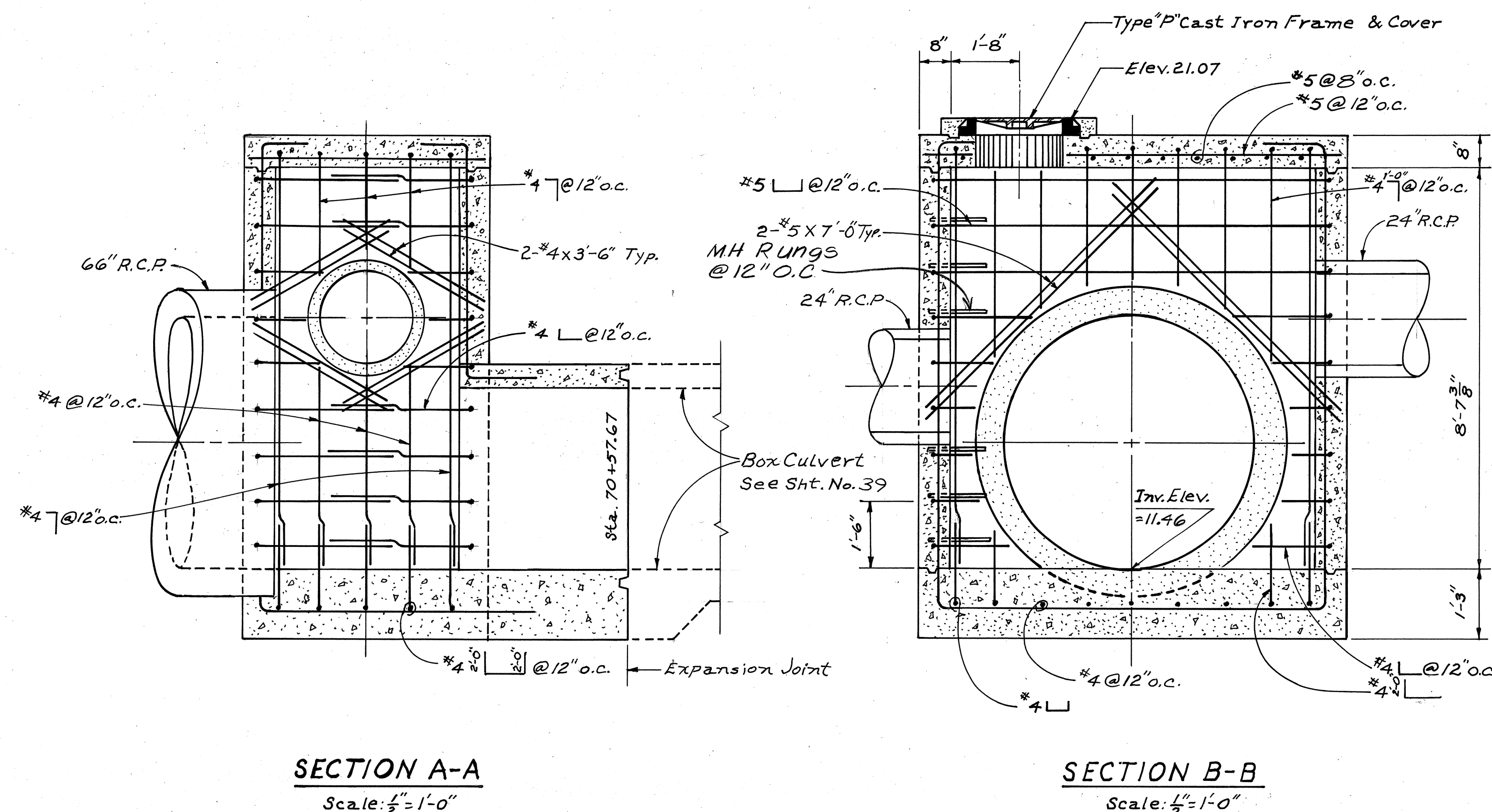
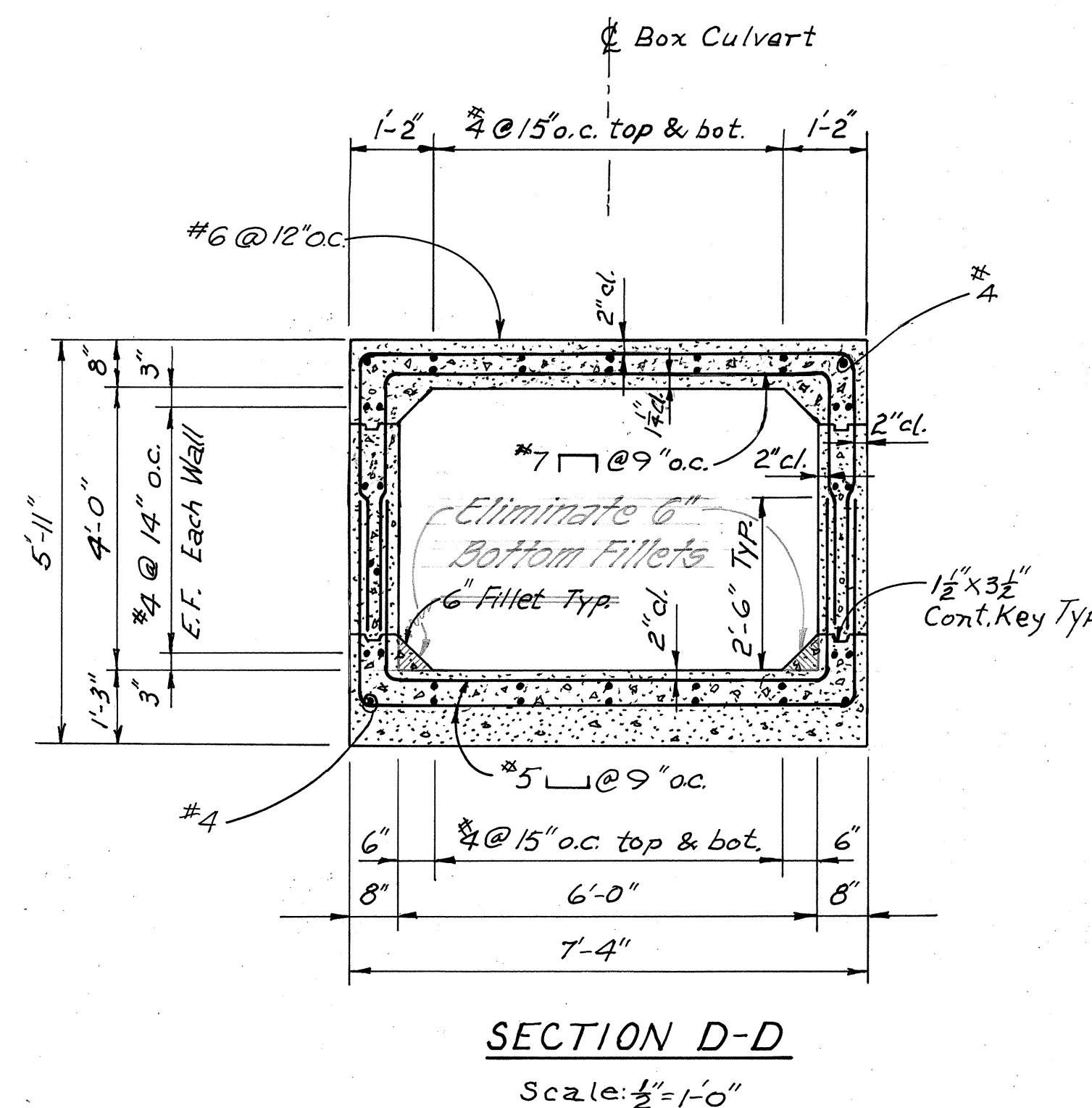
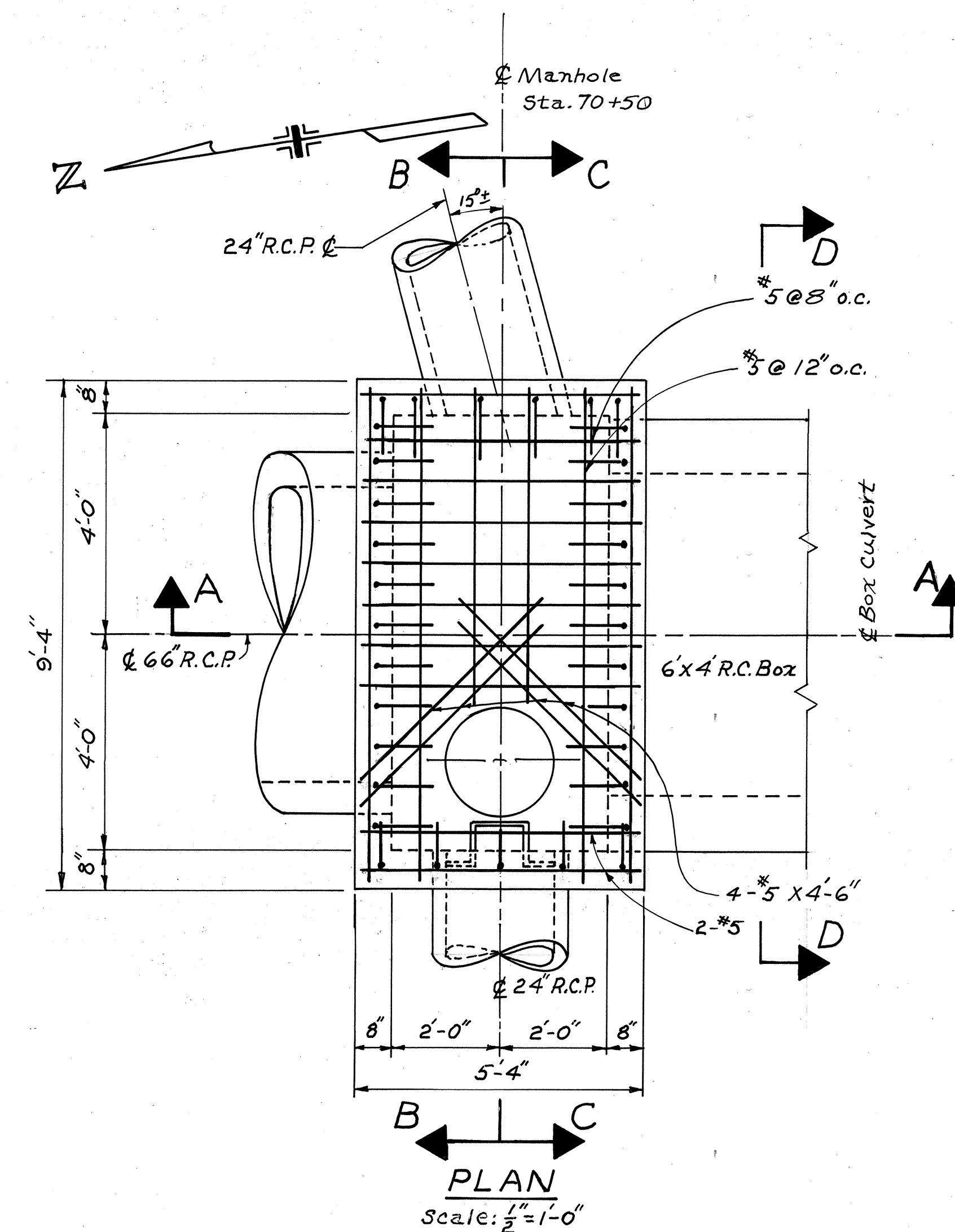
NO.	DATE	REVISION
3-1-78		Added Structure #28 Details and 21" x 12" Box Culvert
3-20-78		IN SECT. A-A, CHANGED #5 @ 12" O.C. TO #6 @ 12" O.C. TYP.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
S.D.M.H.
STA. 67+56 23' LT.
PAIEA STREET DRAINAGE
AIRPORT INTERCHANGE I-HI-1 (23)-16
SCALE: AS NOTED DATE: AUG. 28, 1976
SHEET No. D-10 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IHI-1(123)16	1976	41	444

NOTES

- See also, Special Provisions and Specifications.
- See Hawaii Standard Details including: Dwg. No. DH6 "Catch Basin and Manhole Castings".
- All concrete shall be Class "A" Reinforced Concrete Design Data: $f_c = 3,000$ p.s.i. (28 days) $f_s = 20,000$ p.s.i. Deformed Bars.
- Provide 1" chamfer for all exposed edges.
- All Reinforcing shall meet requirements of ASTM A615 Grade 40.
- Unless shown otherwise all hooks are standard.
- Maintain 2" clear on all Reinforcing Steel unless otherwise noted.
- Manhole rungs are incidental to Class "A" Concrete.



12-14-76	Changed Reinforcing Steel at Top of Section D-D
DATE	REVISION



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Signature

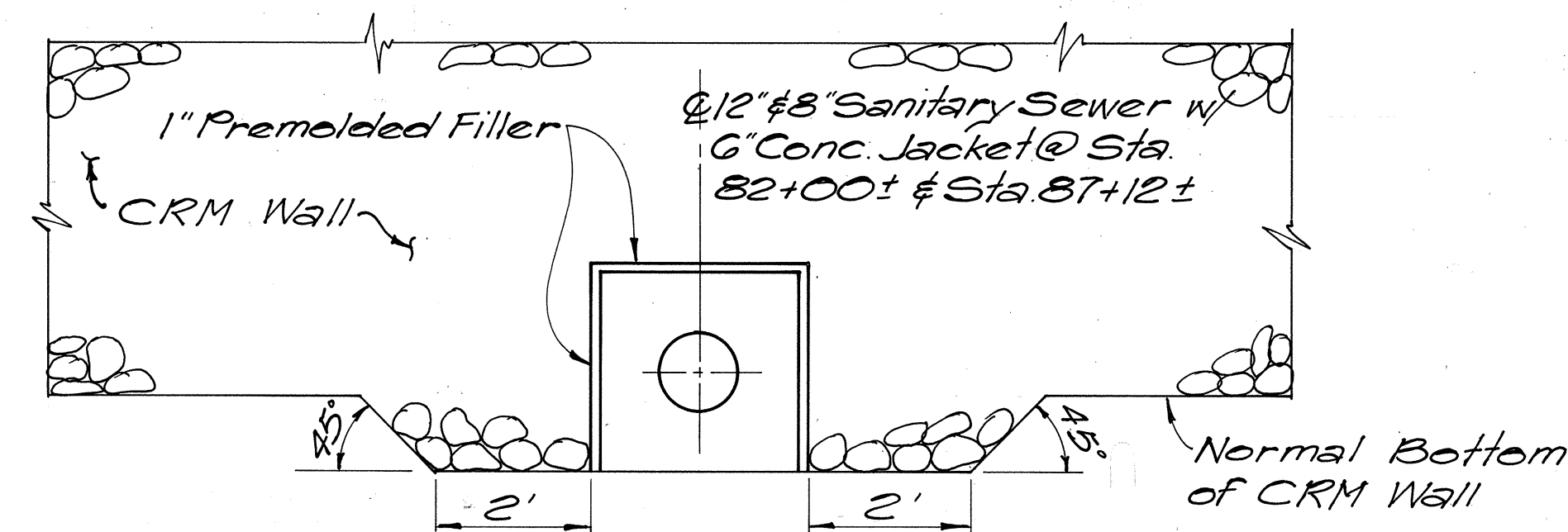
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
S.D.M.H.
STA. 70+50 16' LT.
PAIEA STREET DRAINAGE
AIRPORT INTERCHANGE IHI-1 (123)-1G

SCALE: AS NOTED DATE: AUG. 28, 1976

SHEET No. D-11 OF 27 SHEETS

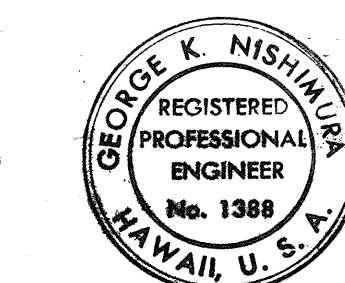
ADD 41

PROFILE			BY	DATE
	SURVEYED _____			
	PLOTTED _____			
	GRADES CHECKED _____			
	B.M.'S NOTED _____			
NO _____	STRUCTURE NOTATIONS CHKO _____			



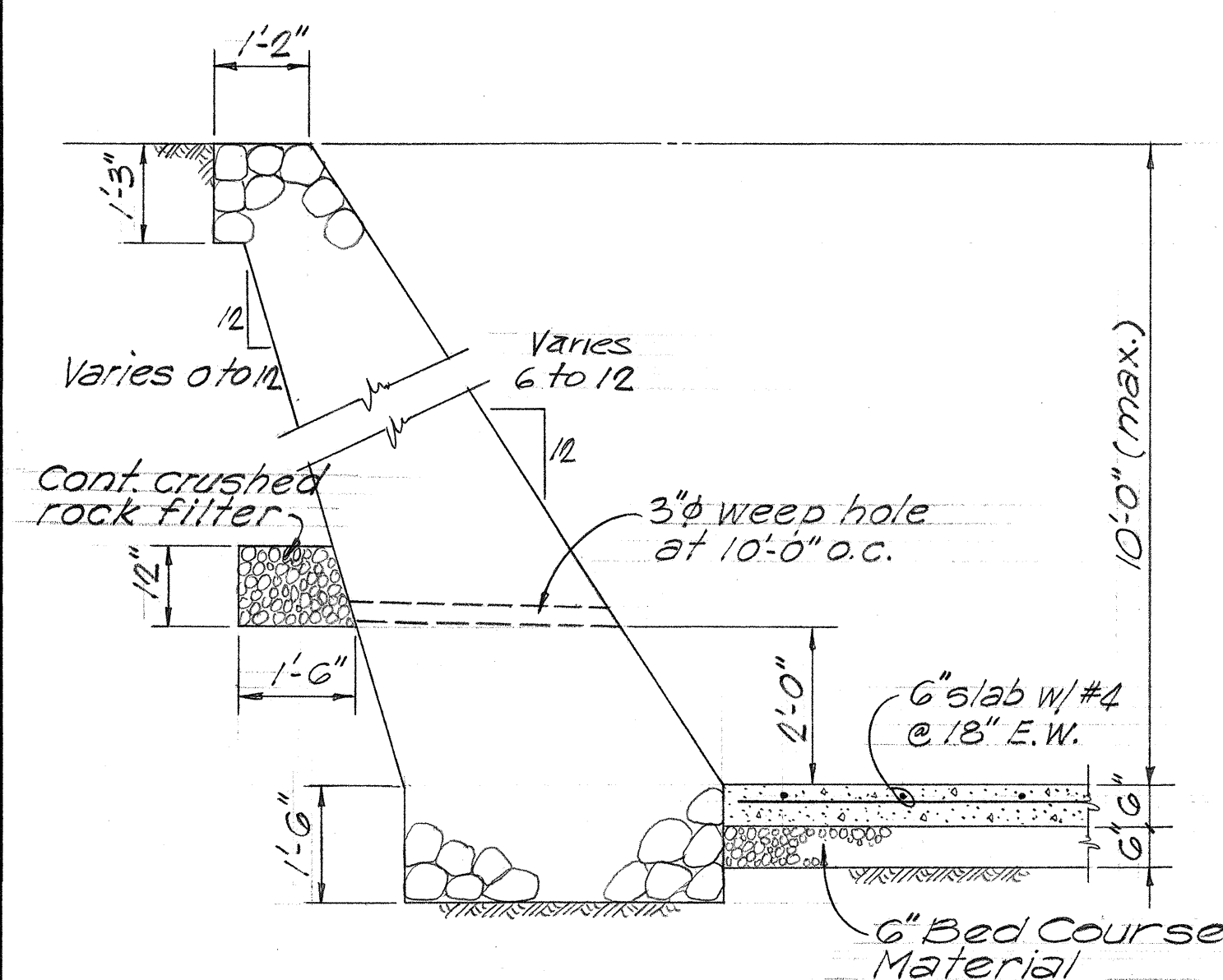
12" $\times$ 8" Sanitary Sewer with 6" Concrete Jacket @ Sta. 82+00 $\pm$ & Sta. 87+12 $\pm$

4-18-77	Added Top Elev. of CMR Wall at Stations 78+39 and 79+00
12-30-76	Added Sewer Crossing Detail at CRM Wall
11-19-76	6'x4' Box Culvert Entrance Revised & Double Box Size Changed.
DATE	REVISION



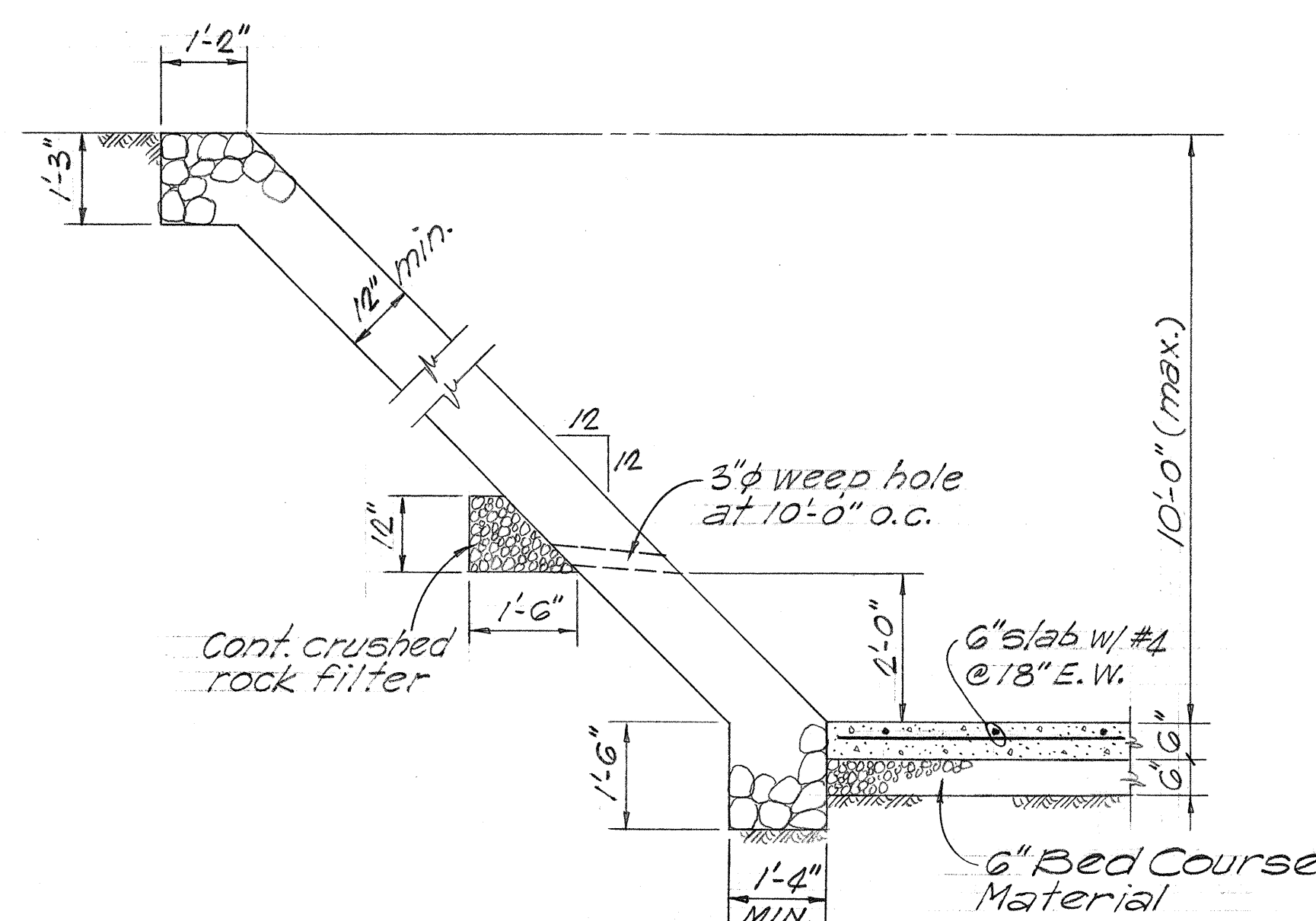
SHEET No.D-12 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IHH(123)16	1976	43	444



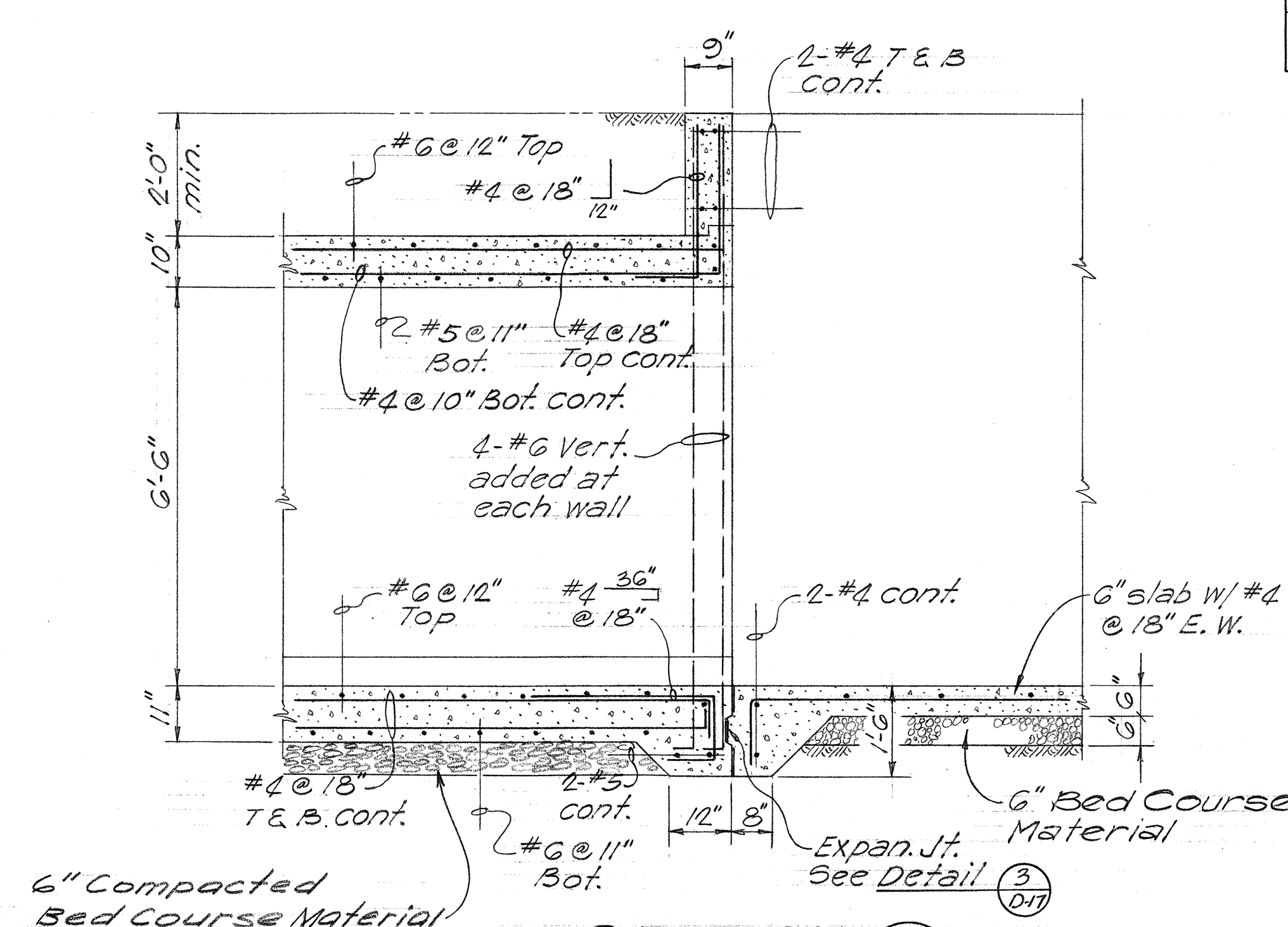
TRANSITION 5

SECTION C
Scale: 1/2" = 1'-0" D-13

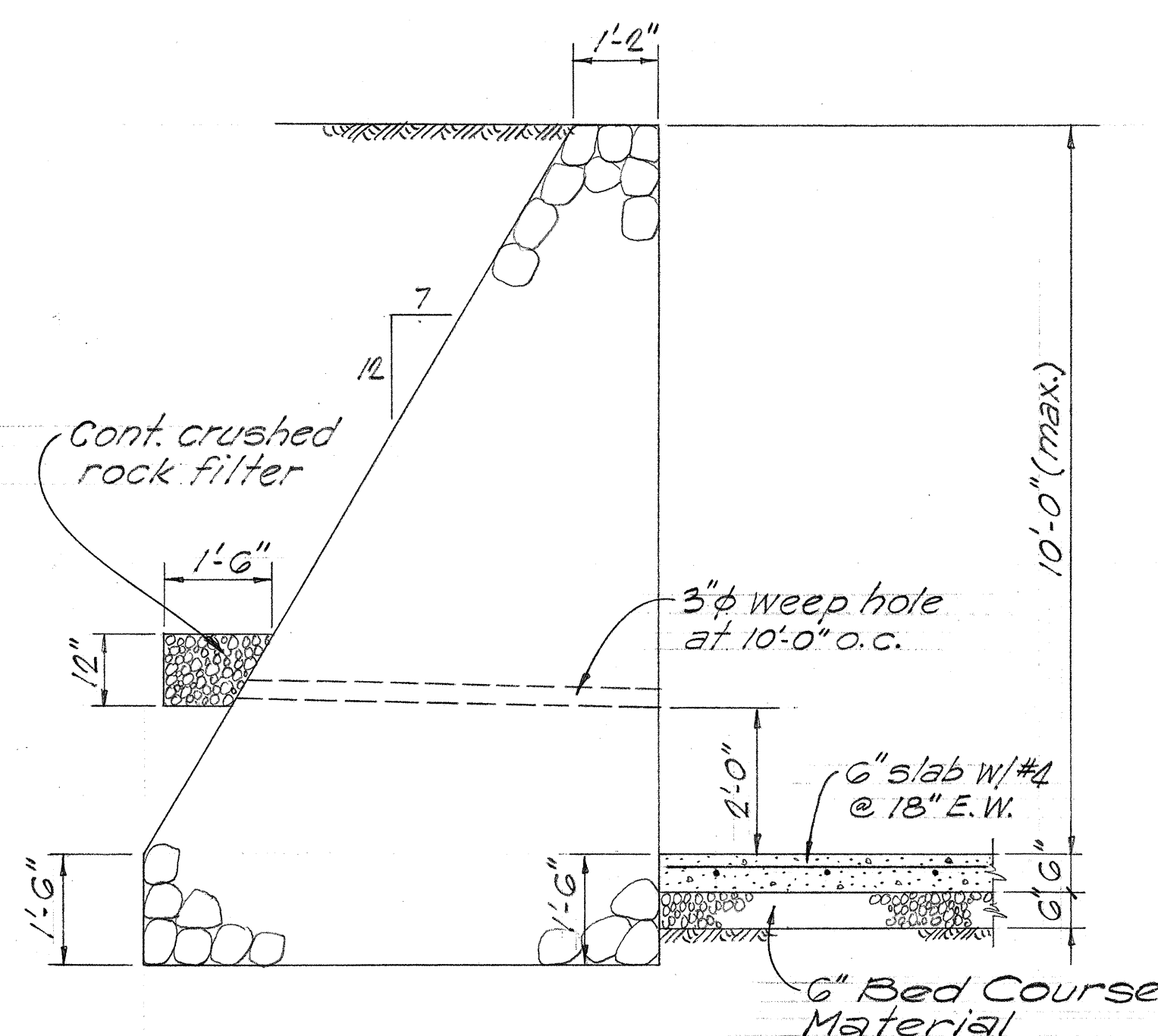


TYP. 45° DITCH

SECTION B
Scale: 1/2" = 1'-0" D-13

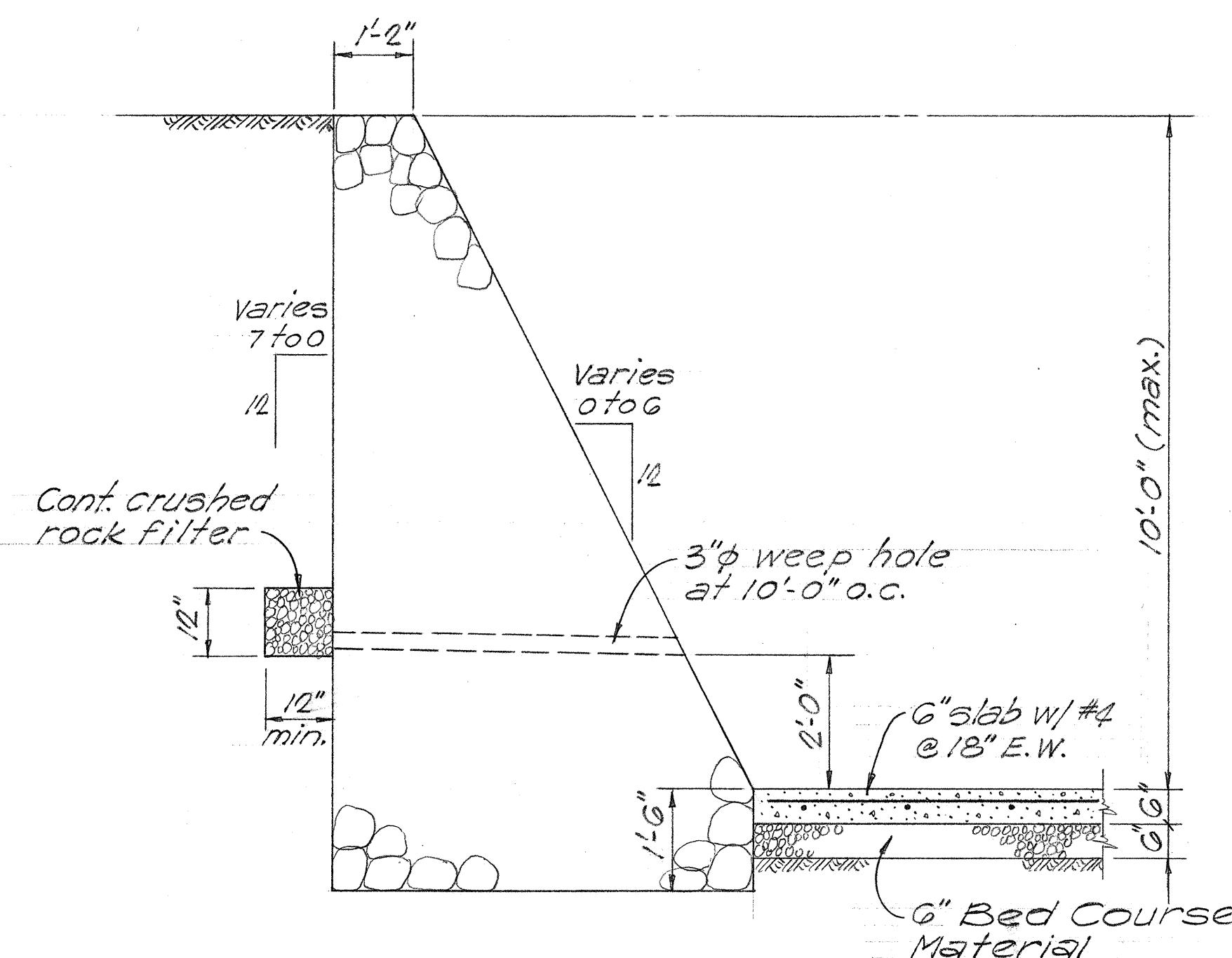


SECTION F
Scale: 1/2" = 1'-0" D-13



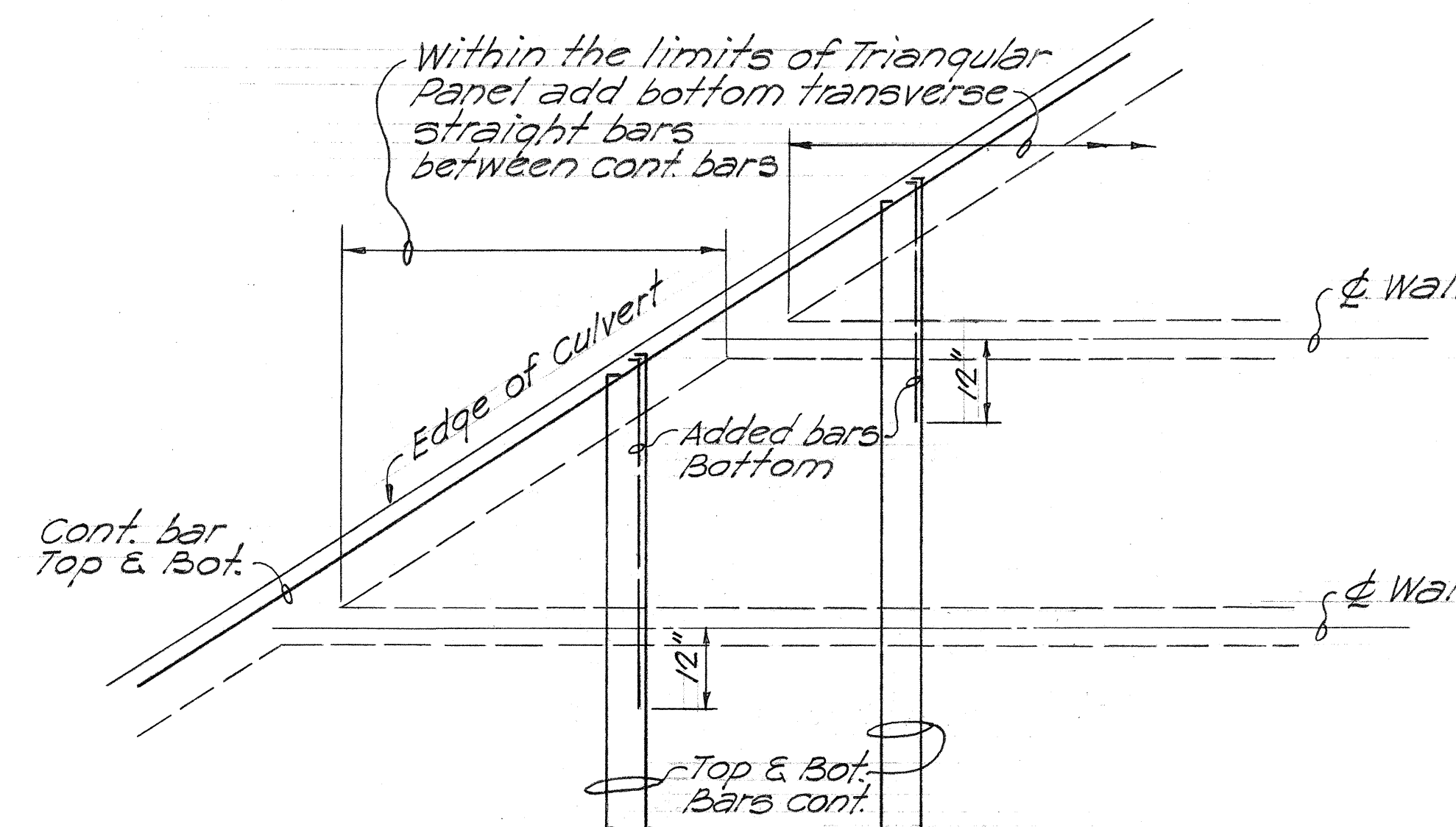
VERTICAL DITCH

SECTION E
Scale: 1/2" = 1'-0" D-13



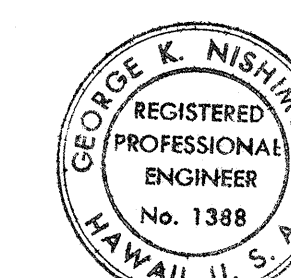
TRANSITION 4

SECTION D
Scale: 1/2" = 1'-0" D-13

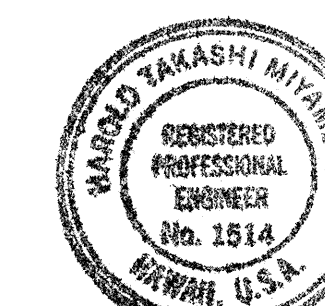


PARTIAL PLAN - TYP. ARRANGEMENT OF TOP AND BOTTOM SLAB REINFORCEMENT AT SKEWED ENDS

NOT TO SCALE D-13



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS
NORTH PERIPHERAL DITCH
STA 77+25 TO STA 88+39

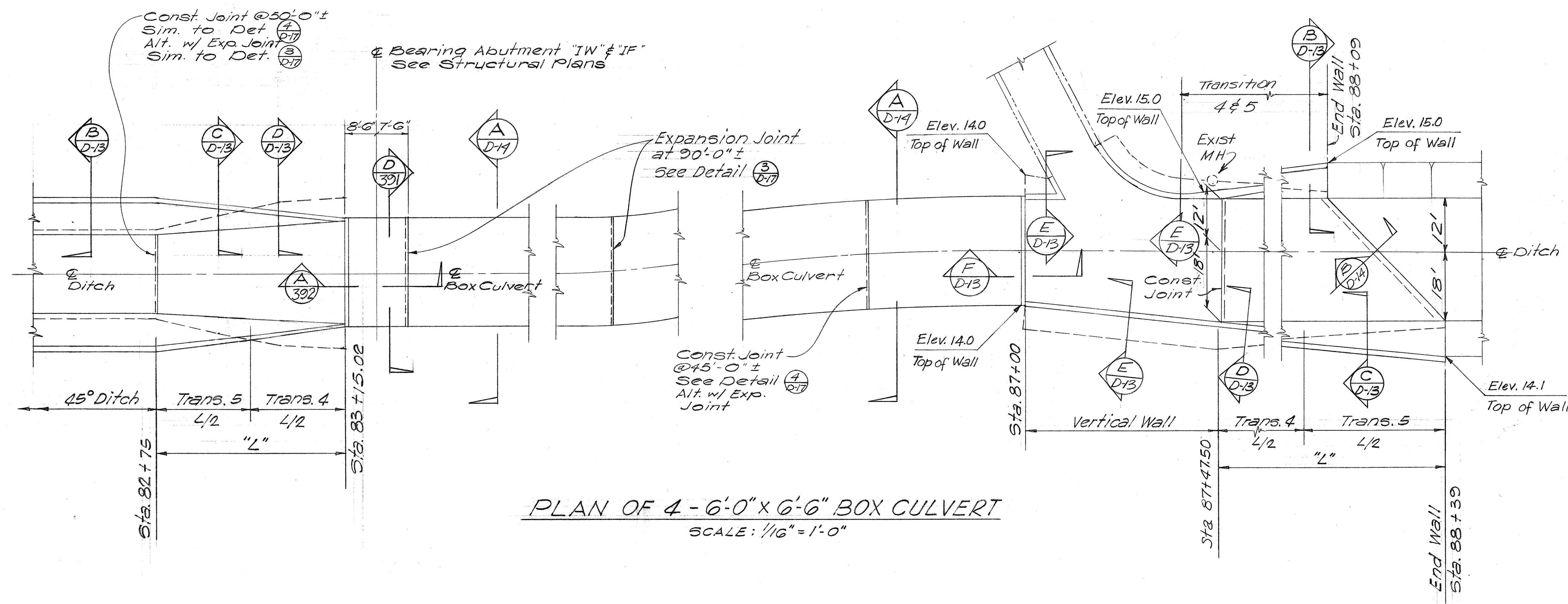
AIRPORT INTERCHANGE
F.A.I. PROJ. NO. I-H-1 (123) 16

SCALE: AS NOTED DATE AUG. 28, 1976

SHEET No. D-13 OF 27 SHEETS

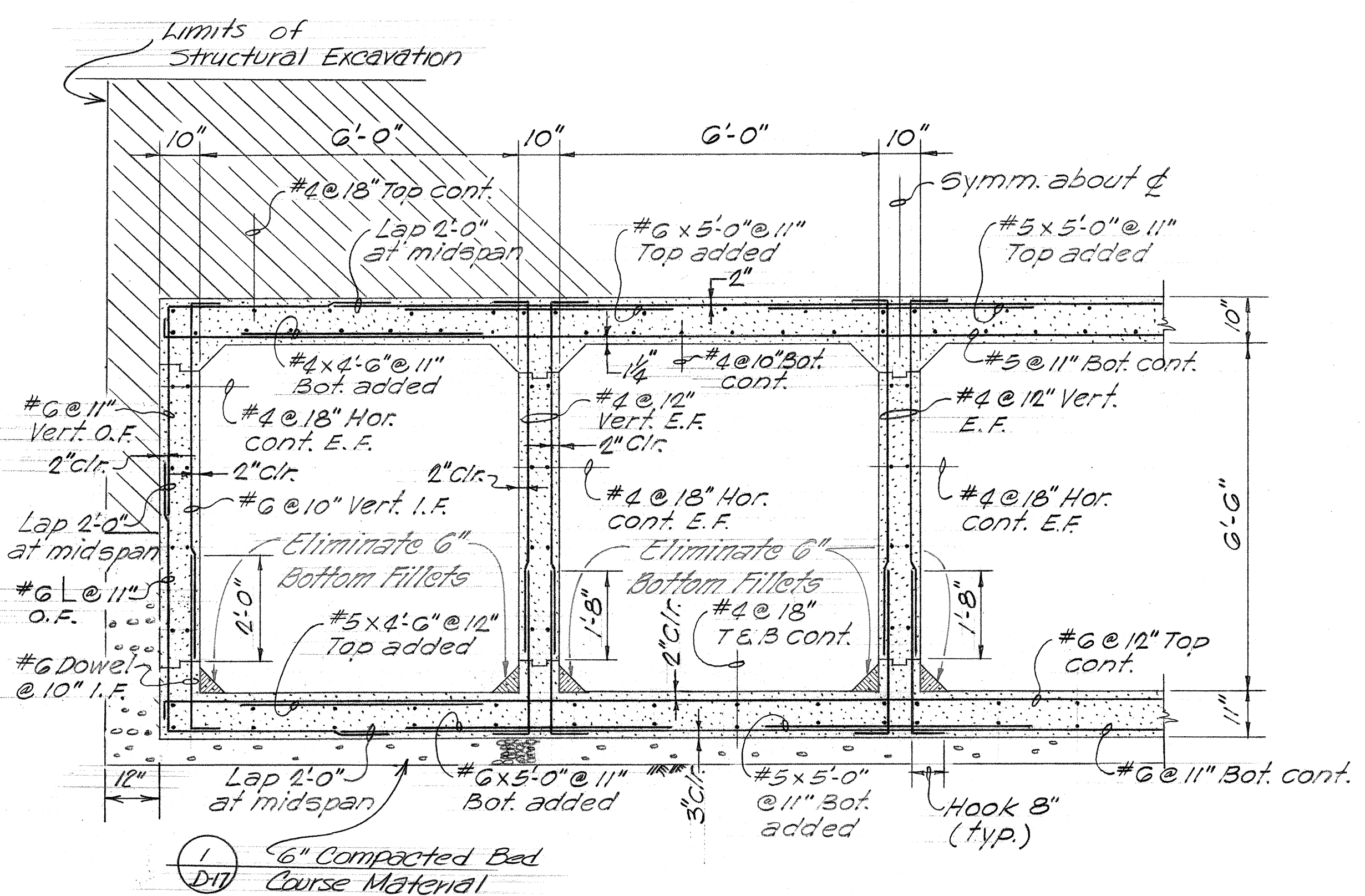
NO.	DATE	REVISION
1	3-18-77	Added Bed Course Material to Section FID-13

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HH(123)16	1976	44	444

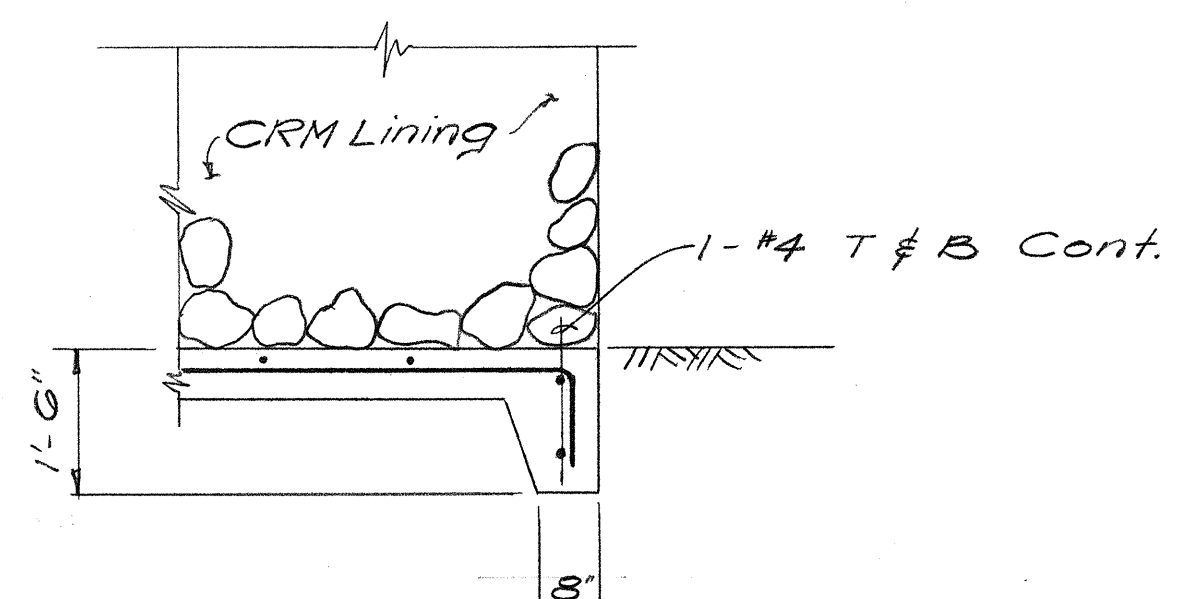


PLAN OF 4 - 6'-0" X 6'-0" BOX CULVERT
SCALE: 1/16" = 1'-0"

- NOTES**
- 1- See also, Special Provisions and Specifications.
 - 2- Provide 1" chamfer for all exposed edges.
 - 3- All concrete shall be Class "A" Reinforced concrete design data:
 $f'_c = 3000$ psi (28 days)
 $f_s = 24,000$ psi deformed bars
 - 4- All reinforcing shall meet requirements of ASTM A 615 Grade 60
 - 5- Unless shown otherwise, all hooks are standard.
 - 6- Maintain 2" clear on all reinforcing steel unless otherwise noted.
 - 7- For culvert and ditch plan and profile, see Sheet No. D-2 and D-3
 - 8- For additional details, see Sheet No. D-17



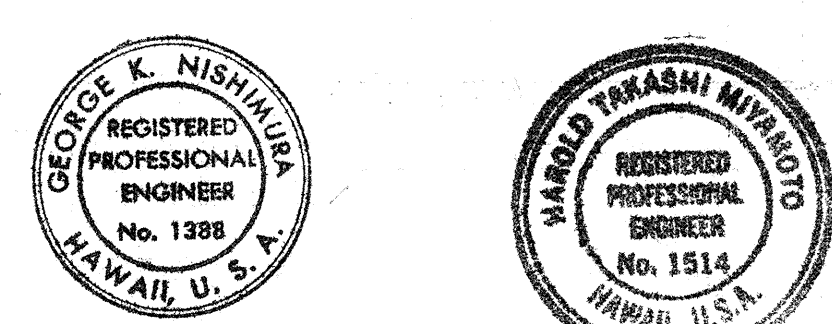
TYPICAL SECTION (A)
Scale: 1/2" = 1'-0"



SECTION AT START/END OF WALL (B)
Scale: 1/2" = 1'-0"

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

NO.	DATE	REVISION
1	3-22-77	Added Ditch Bottom Dimension



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George K. Nishimura
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Harold Takashi Miyamoto

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 HIGHWAYS DIVISION

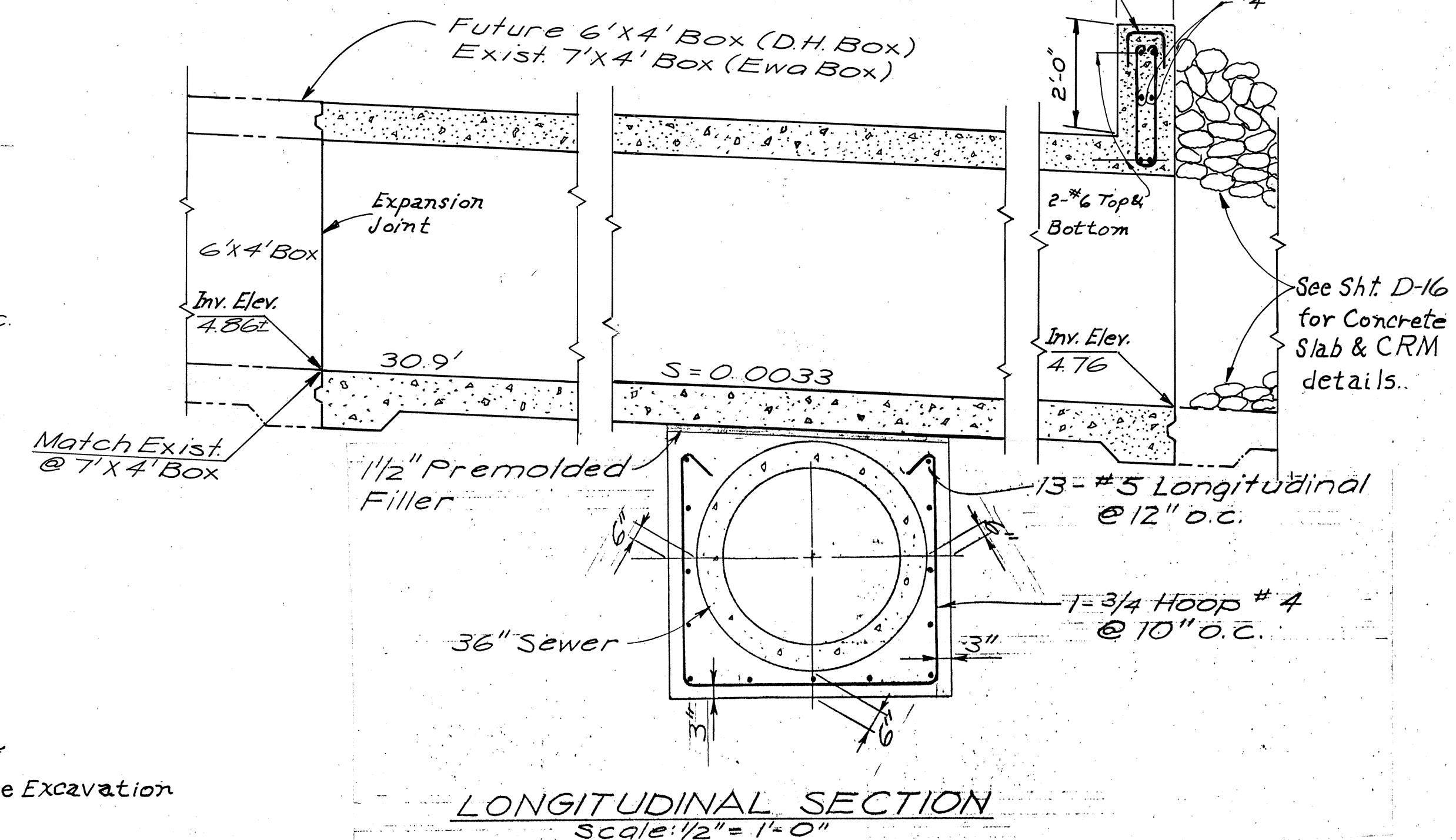
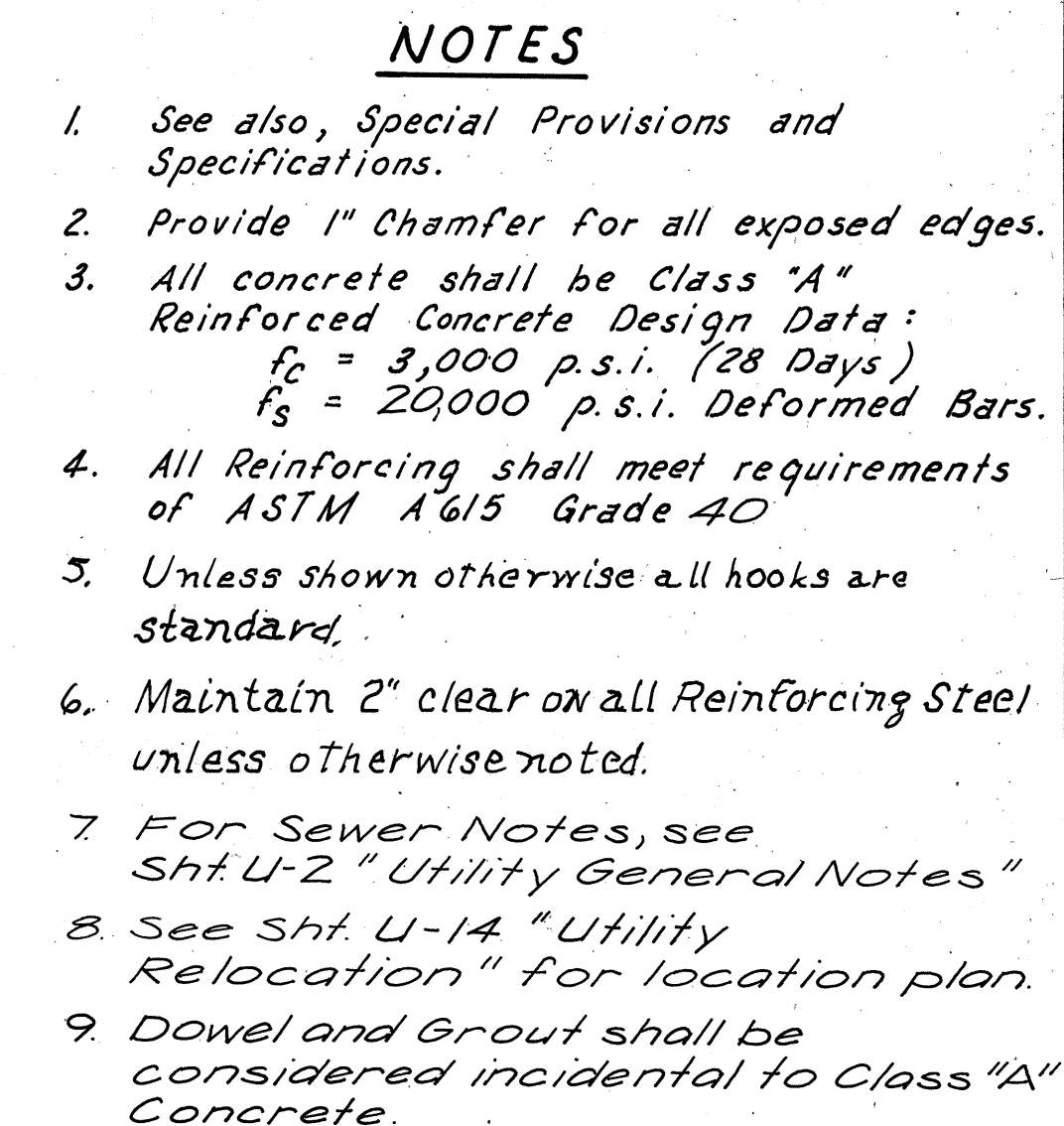
BOX CULVERT AT R-IW/IF ABUTMENT
 PLAN AND SECTIONS
 DITCH STA 83+15.02 TO STA 87+00

AIRPORT INTERCHANGE
 F.A.I. PROJ. NO. I-HI-1(123)16

SCALE: AS NOTED DATE: AUG. 23, 1976

SHEET NO. D-14 OF 27 SHEETS

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
GRADES CHECKED		
B.M.'S NOTED		
NO		
STRUCTURE NOTATION C/K/O		



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

REINFORCED CONCRETE
BOX CULVERT DETAILS

7'x4' EG'x4' R.C. BOX
401' LT. STA. 100+54

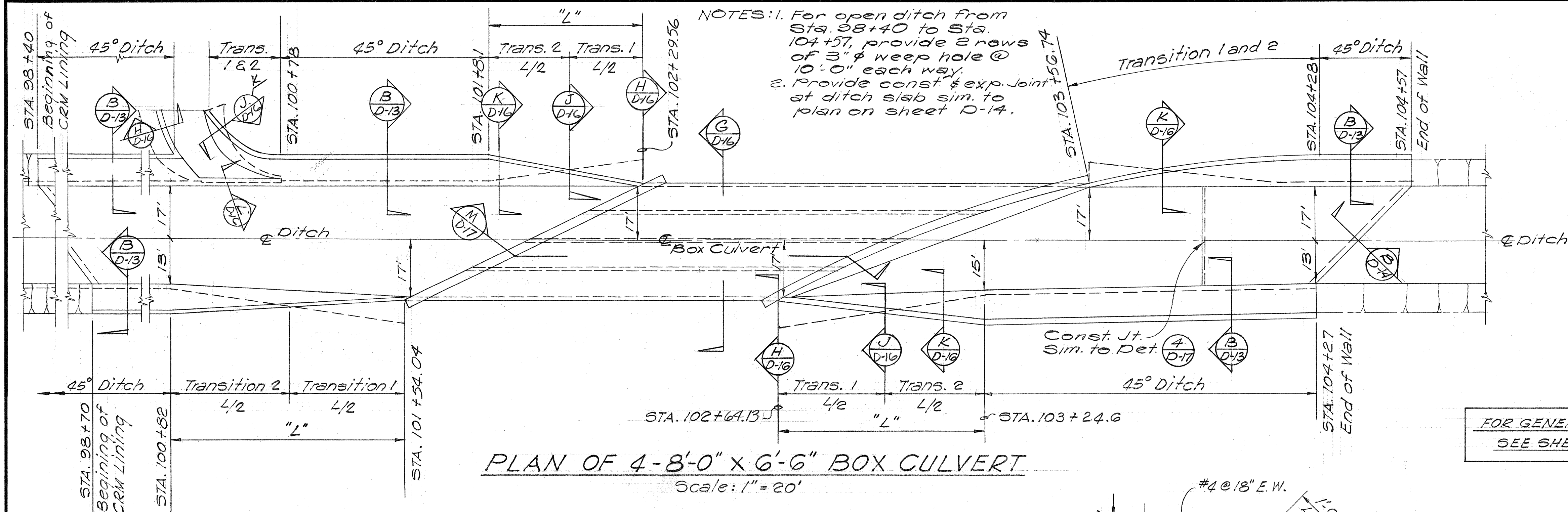
AIRPORT INTERCHANGE I-HI-1 (I23) 16

SCALE: AS SHOWN DATE: AUG. 28, 1976

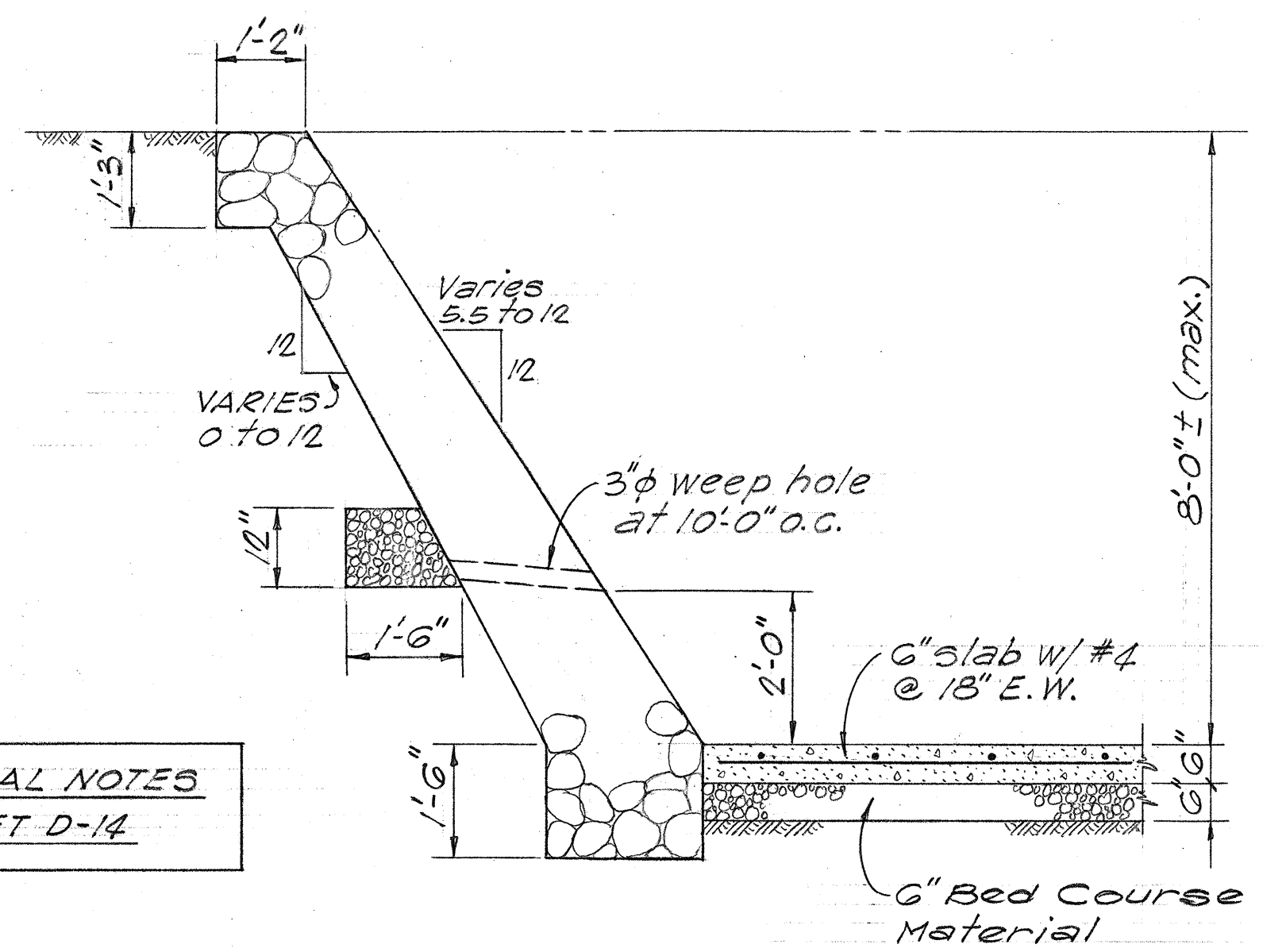
SHEET No. D-15 OF 27 SHEETS

ADD 415

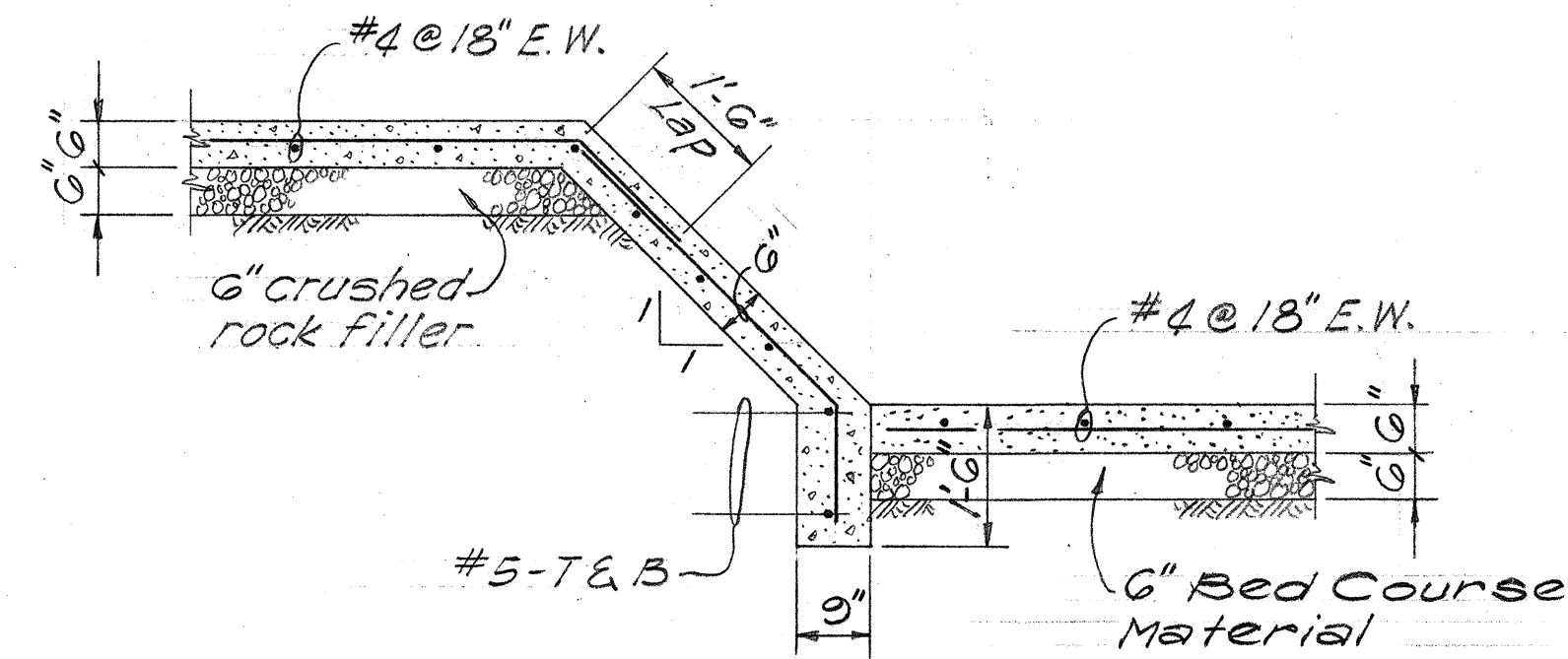
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(123)16	1976	46	444



PLAN OF 4-8'-0" x 6'-6" BOX CULVERT
Scale: 1" = 20'

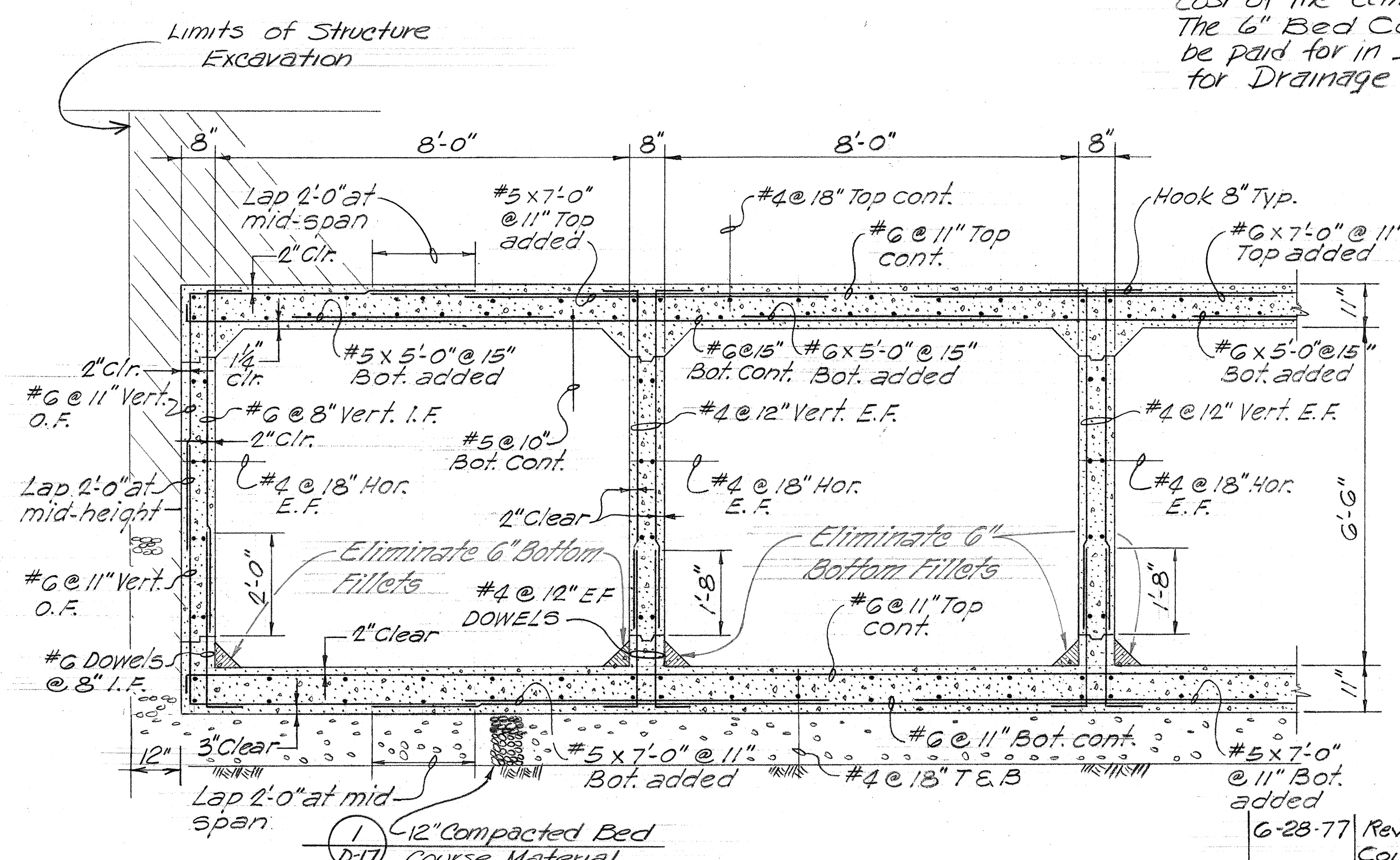


TRANSITION 2
SECTION K
Scale: 1/2" = 1'-0" D16

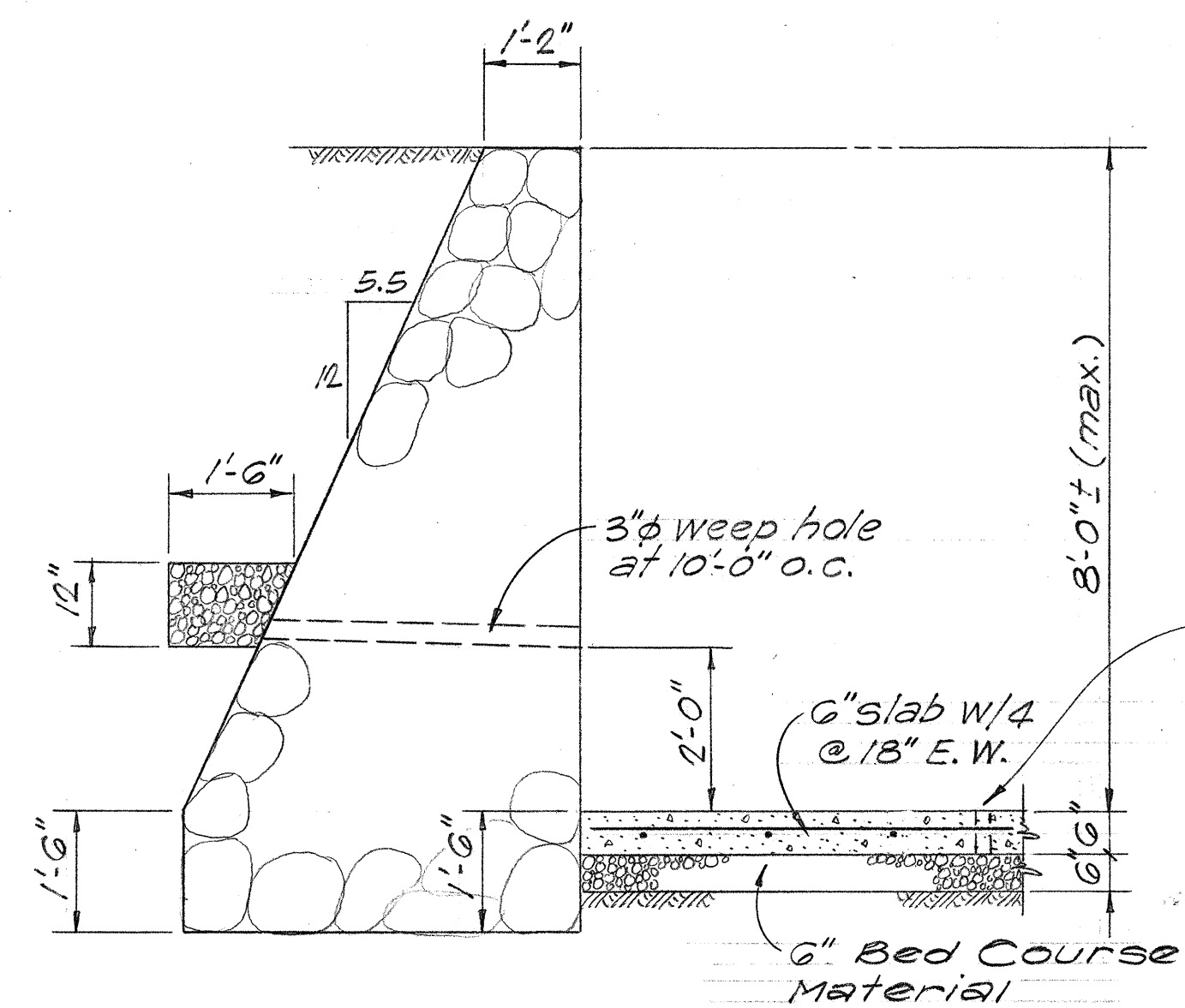


SECTION L
Scale: 1/2" = 1'-0" D16

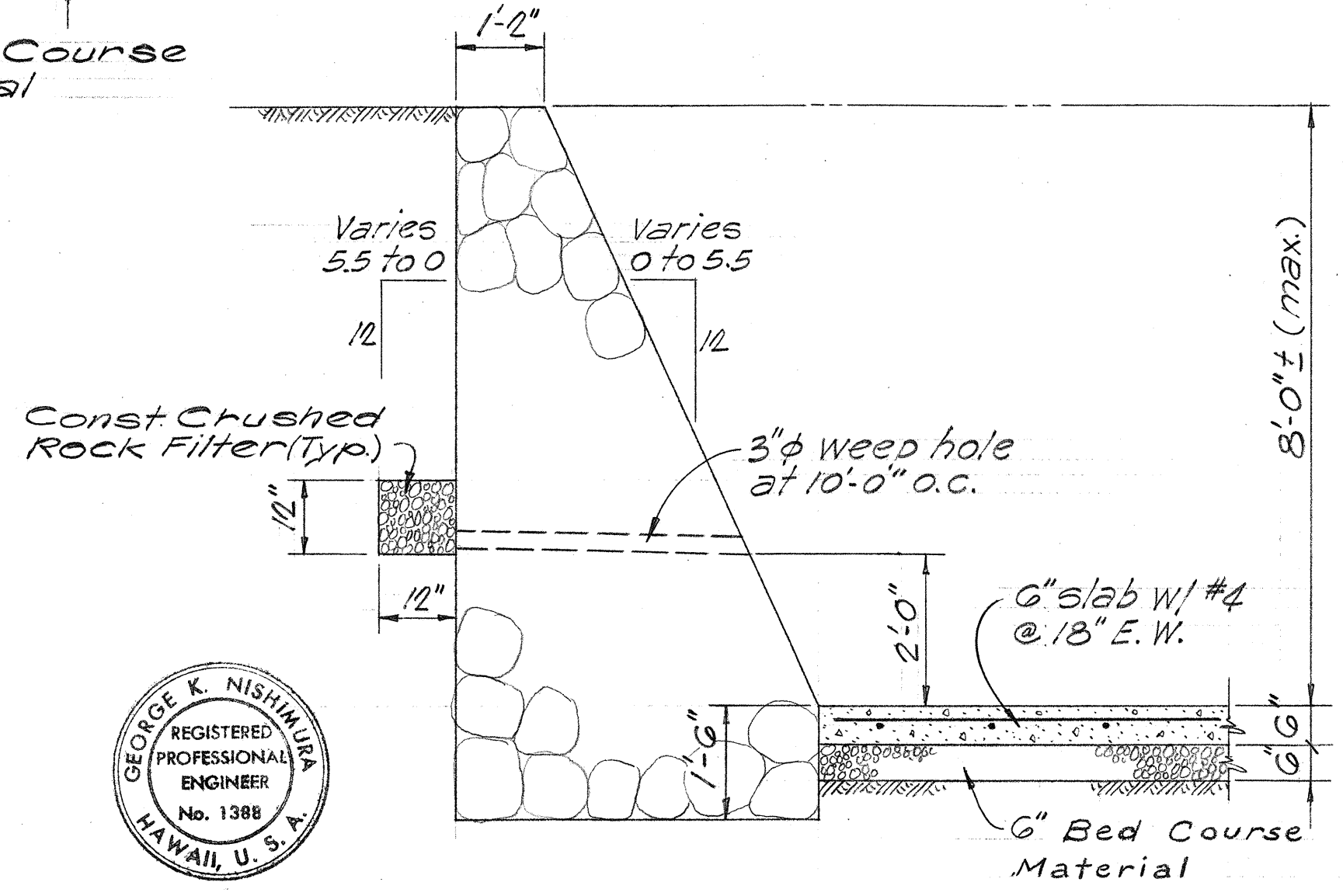
NOTE: Filter Material @ Weep Hole shall be considered incidental to the cost of the Cement Rubble Masonry. The 6" Bed Course Material below slab shall be paid for in Item 'Bed Course Material for Drainage System'



TYPICAL SECTION G
Scale: 1/2" = 1'-0" D16



SECTION H
Scale: 1/2" = 1'-0" D16



TRANSITION 1
SECTION J
Scale: 1/2" = 1'-0" D16

DATE	REVISION
6-28-77	Revised Depth of Bed Course under Box Culvert
12-3-76	Box Culvert Relocated Easterly 40 feet

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

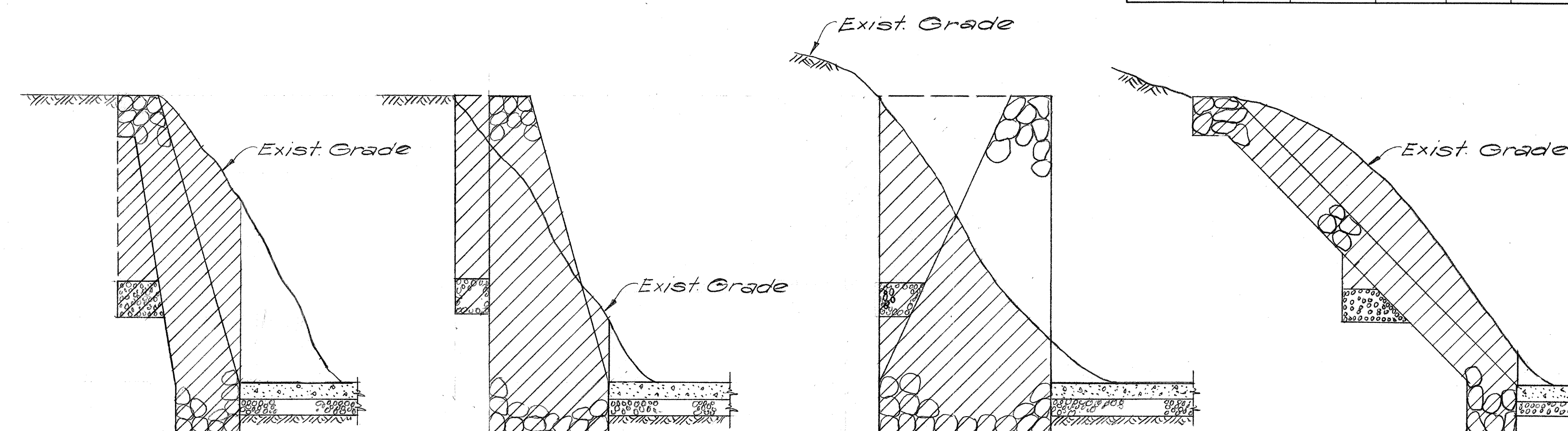
BOX CULVERT AT AOULE ST. CROSSING AND TYPICAL SECTIONS NORTH PERIPHERAL DITCH STA 98+40 TO STA 112+31

AIRPORT INTERCHANGE
F.A.I. PROJ. NO I-H-1 (123) 16

SCALE: AS NOTED DATE: AUG. 28, 1976

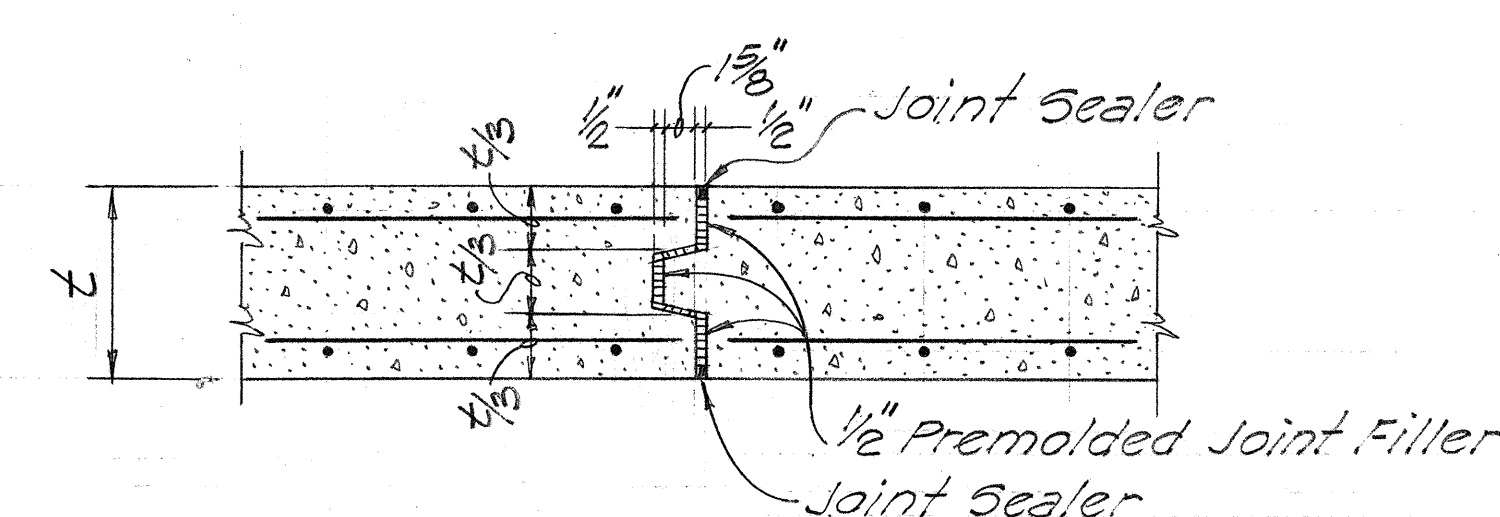
SHEET No. D-16 OF 27 SHEETS

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



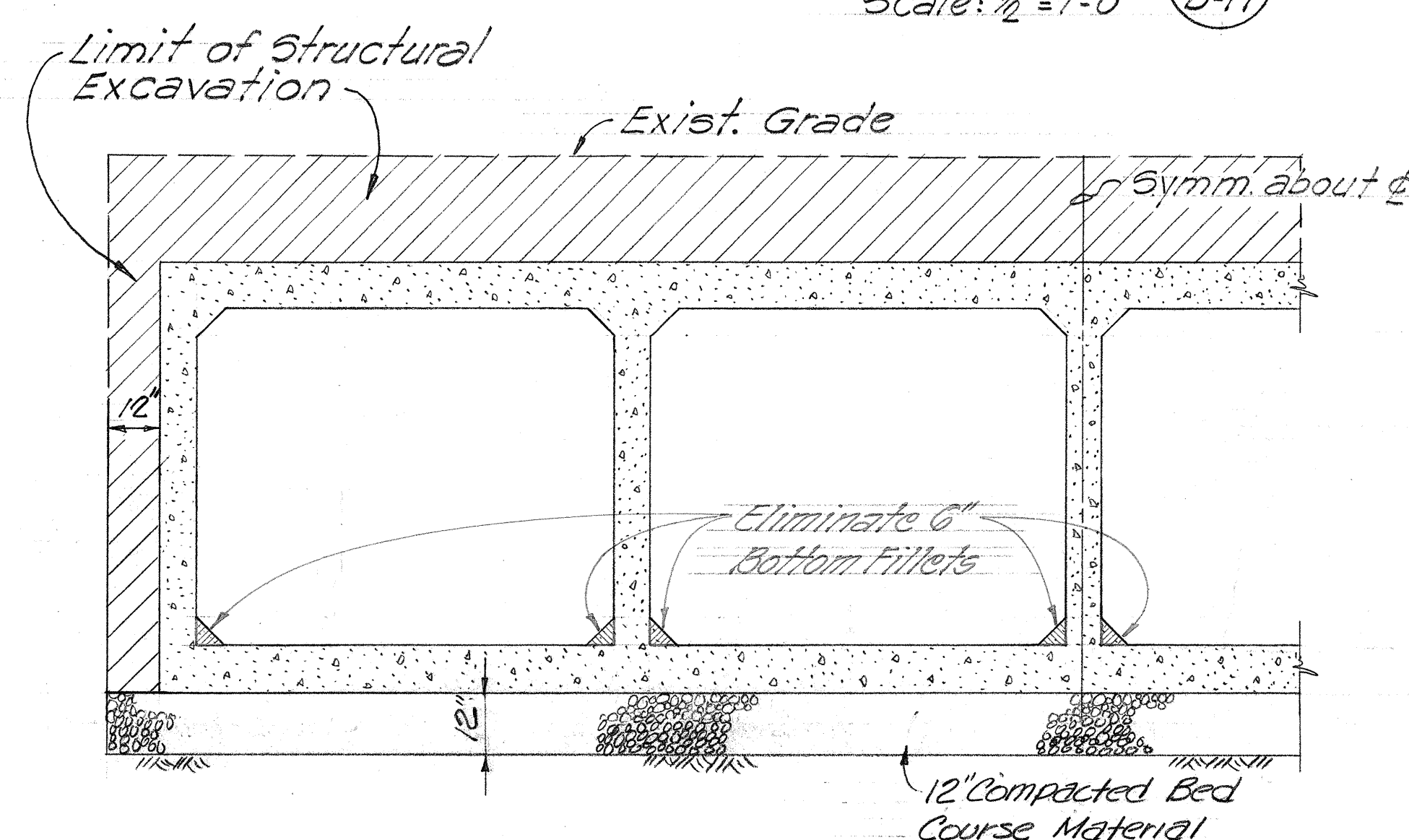
NOT TO SCALE

Not to Scale

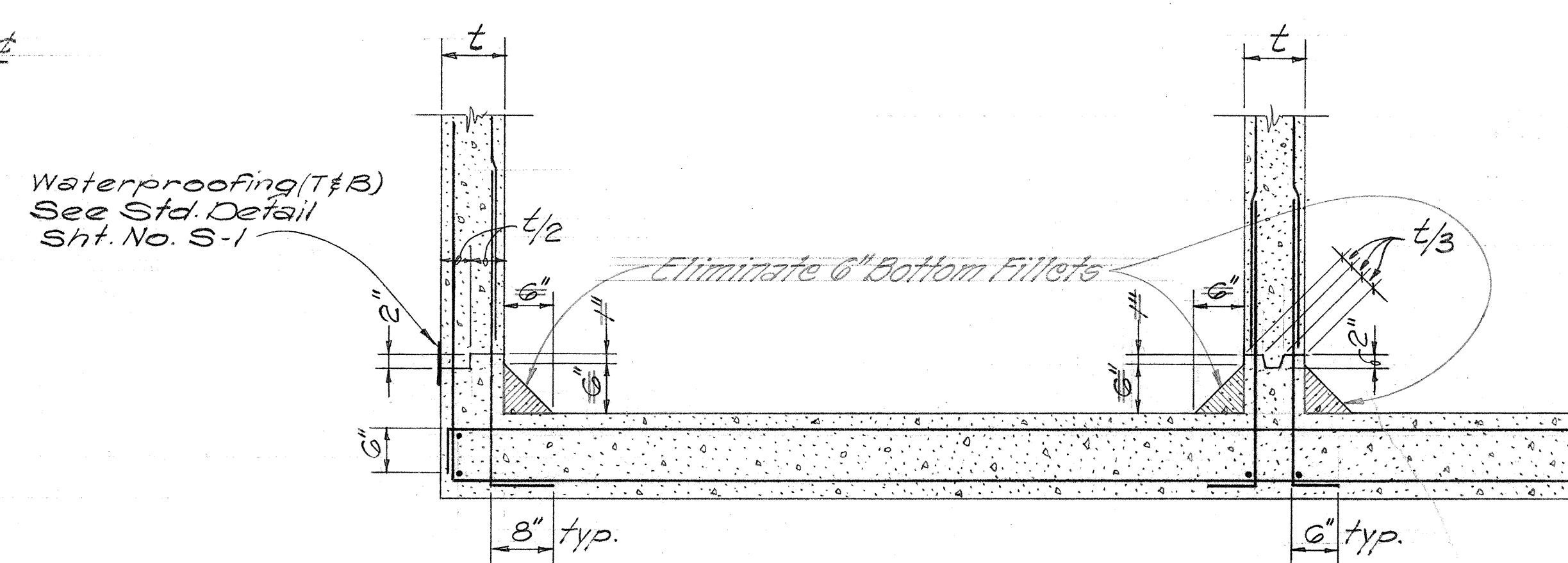


Not to Scale

Scale: $\frac{1}{8}" = 1'-0"$



Scale: $\frac{3}{8}'' = 1'-0''$



INTERIOR WALL

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



BOX CULVERT AT AOLELE ST. CROSSING
SECTIONS AND DETAILS

AIRPORT INTERCHANGE
F.A.I. PROJ. NO. I-HI-1 (123) 16

SCALE: AS NOTED DATE: AUG. 28, 1976

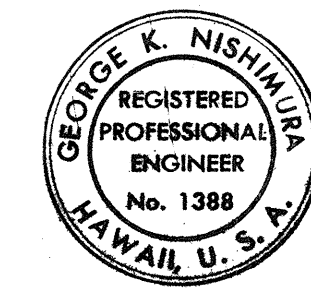
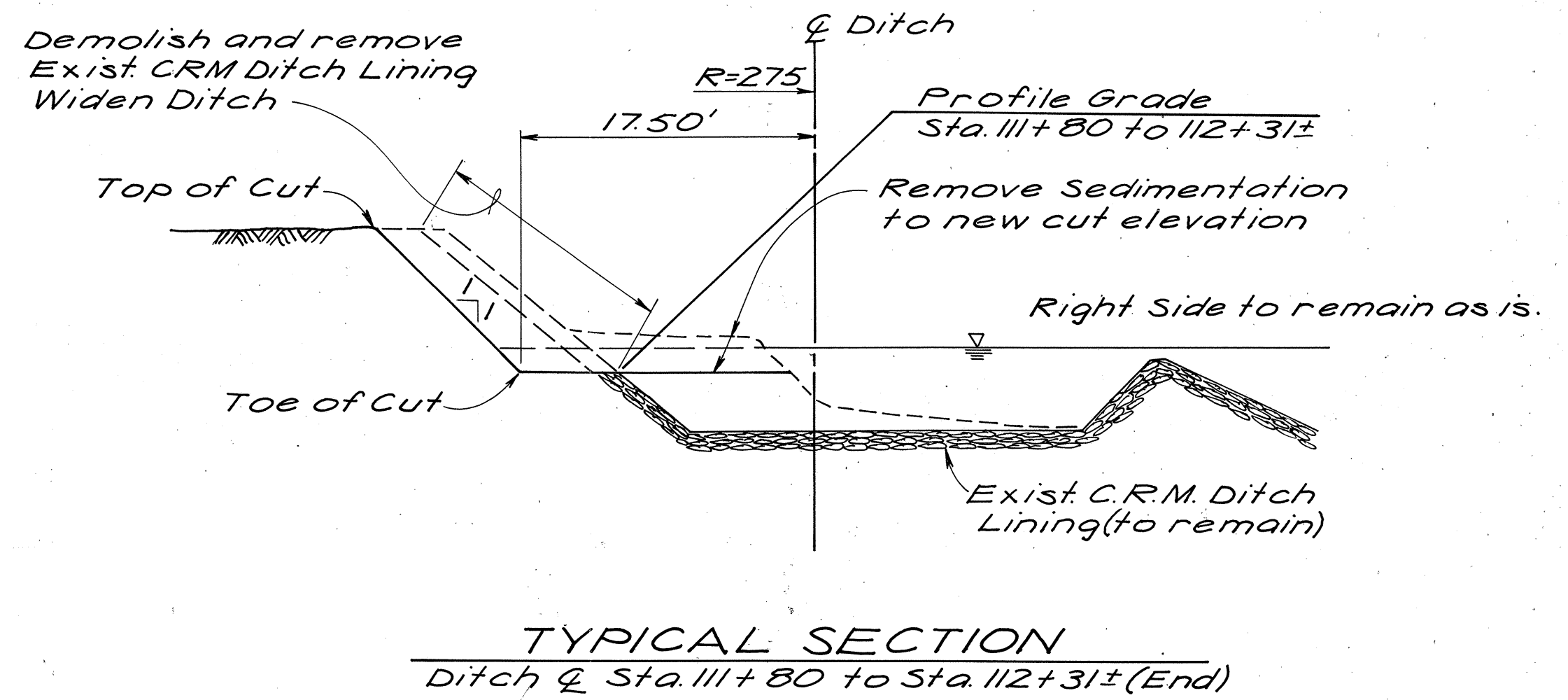
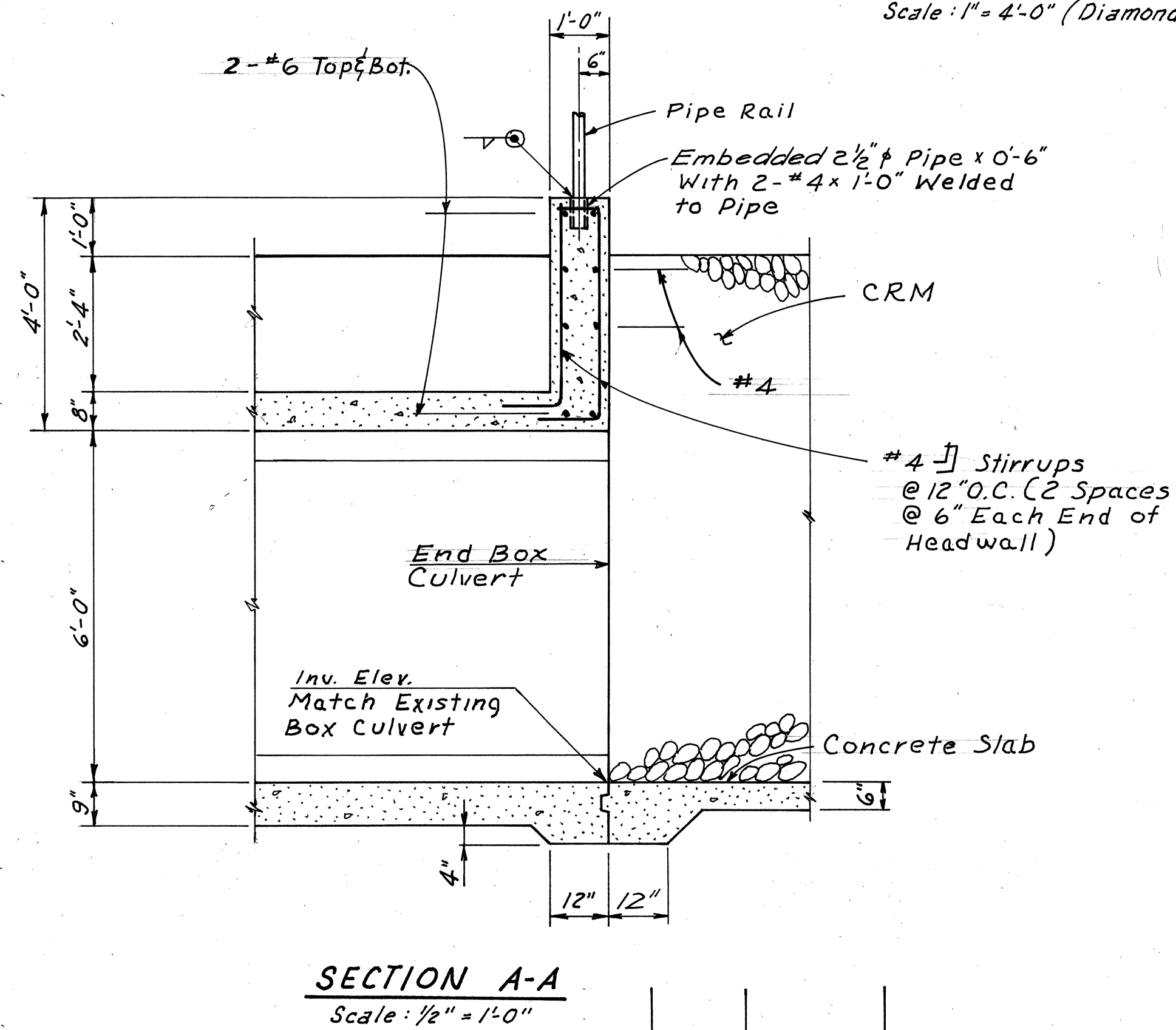
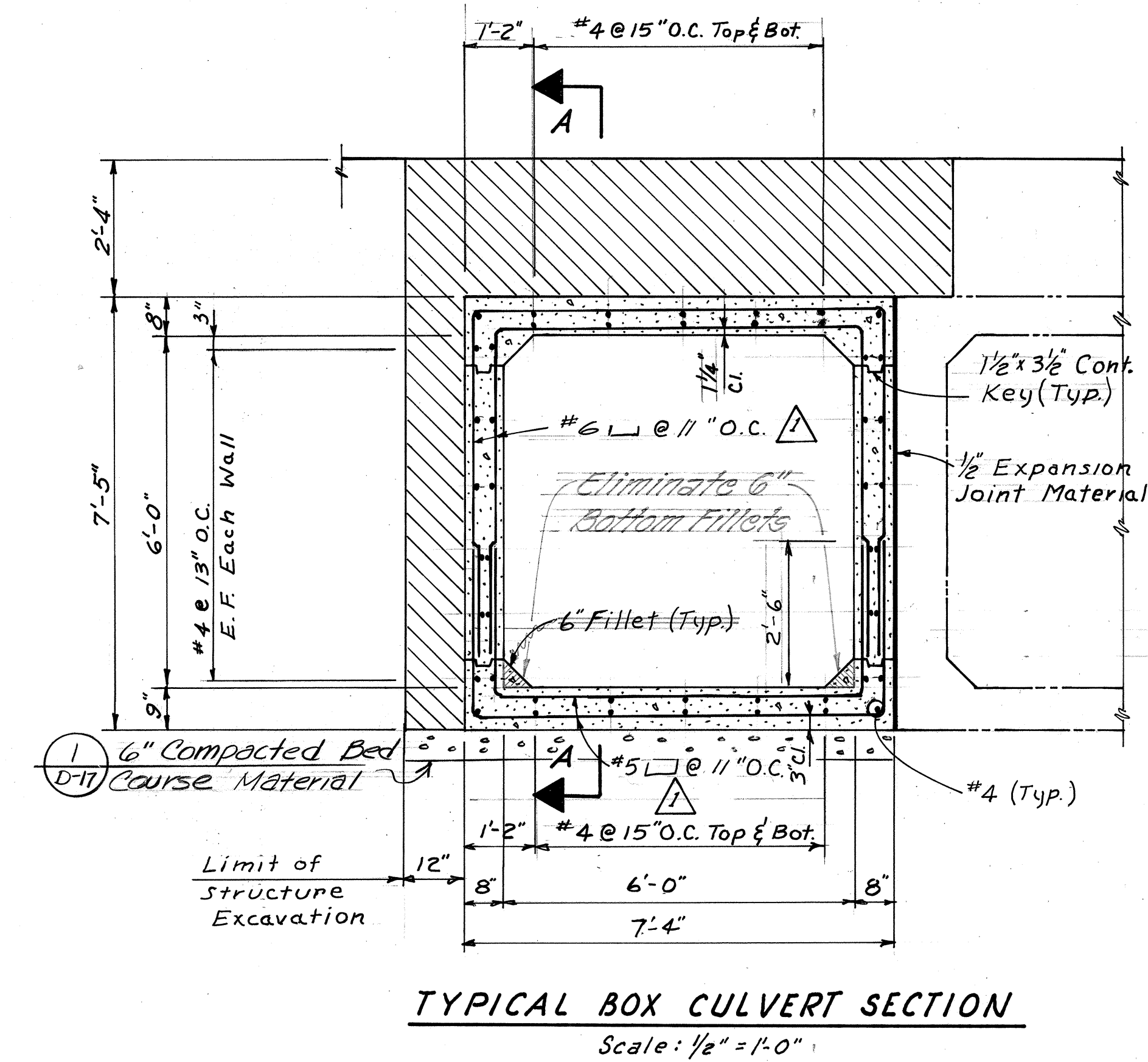
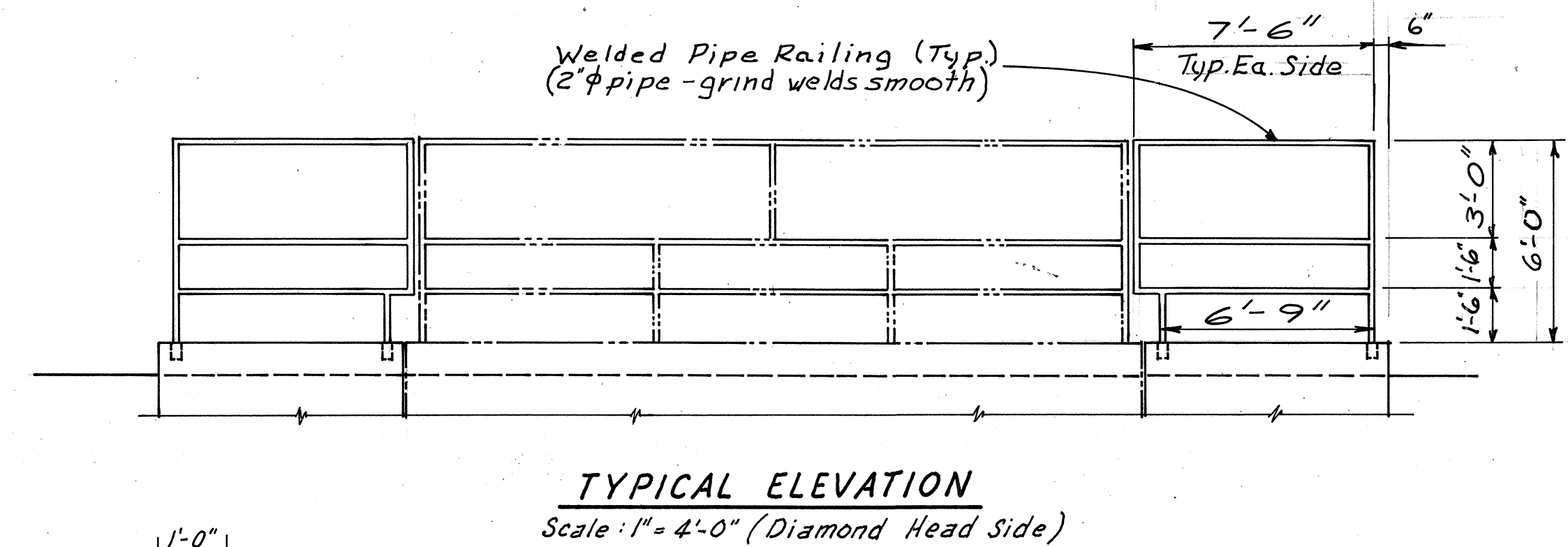
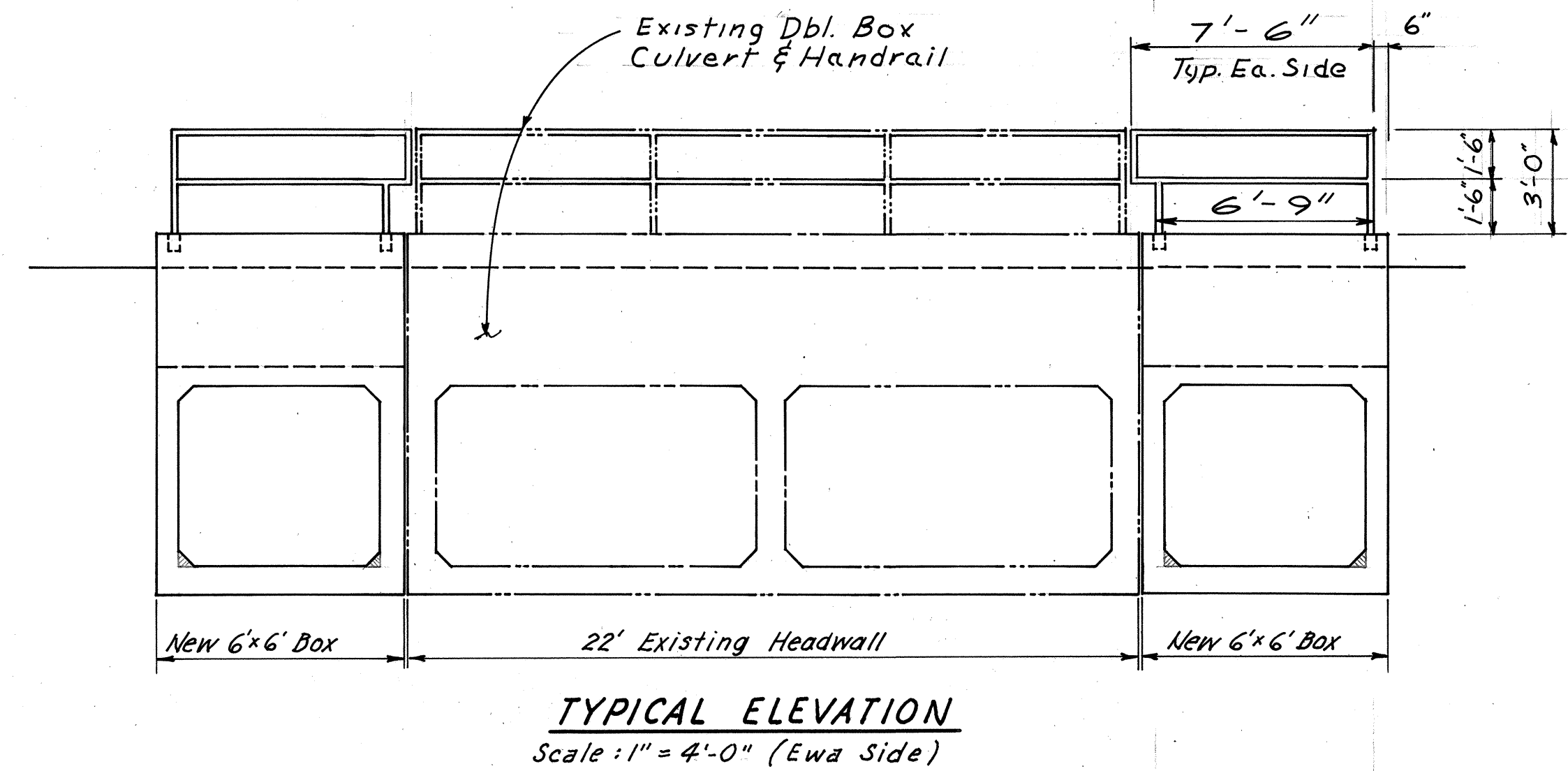
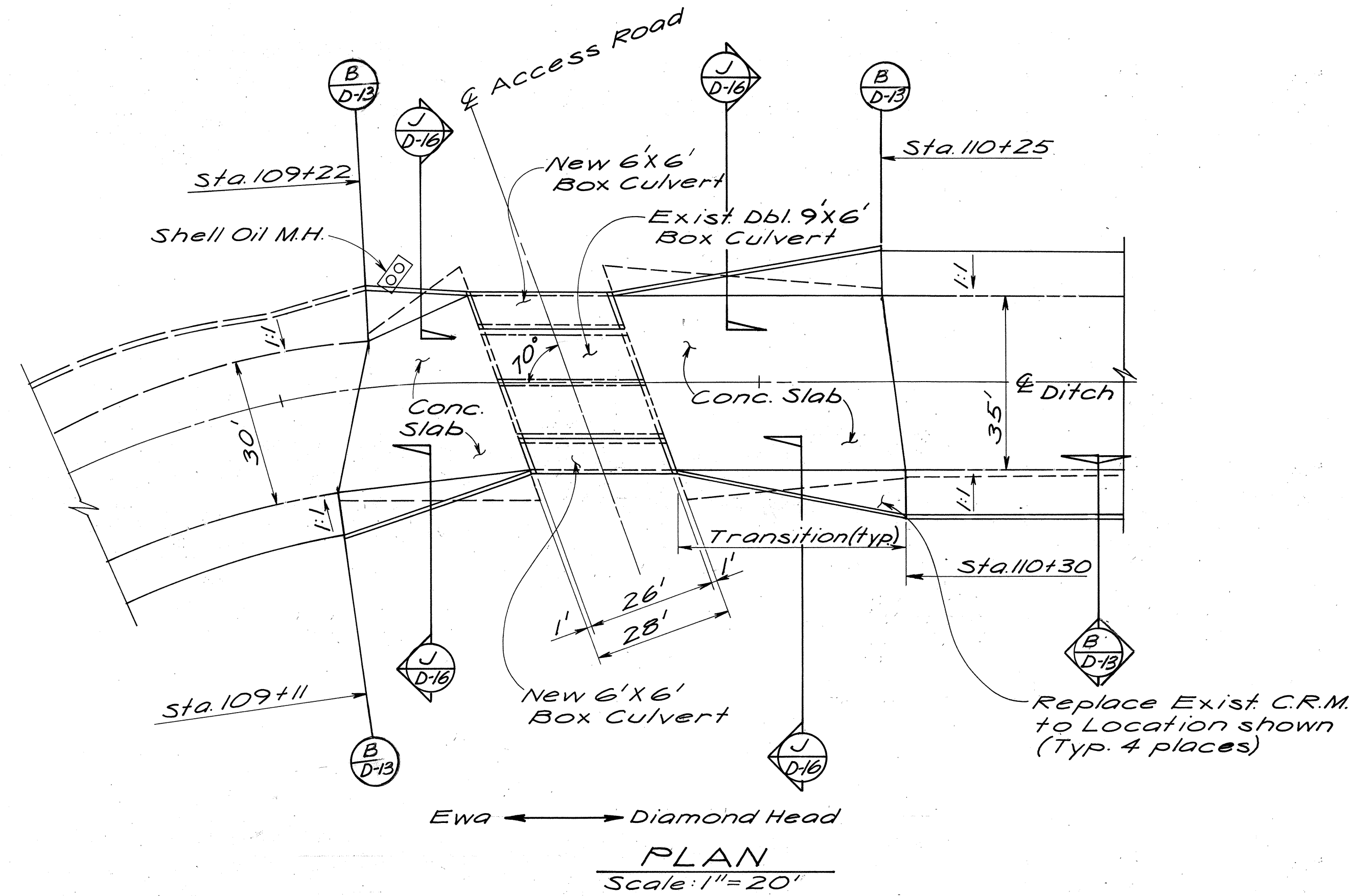
SHEET No.D-17 OF 27 SHEETS

CO 47

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(123):16	1976	48	444

NOTES

- See also, Special Provisions and Specifications
- All concrete shall be Class "A" Reinforced Concrete Design Data: $f_c = 3000$ p.s.i. (28 Days) $f_s = 20,000$ p.s.i. Deformed Bars
- Provide 1" Chamfer for all exposed edges.
- All Reinforcing shall meet requirements of ASTM A615 Grade 40.
- Unless shown otherwise, all hooks are Standard.
- Maintain 2" Clear on all Reinforcing Steel unless otherwise noted.
- For Culvert Plan and Profile See Sht. No. D-3
- Existing chain Link Fence shall be removed as required for construction and reattached to new Railing.
- See Sht. No. D-16 for CRM and Concrete Slab Details
- Payment for pipe railings shall be incidental to the cost of concrete in box culvert.



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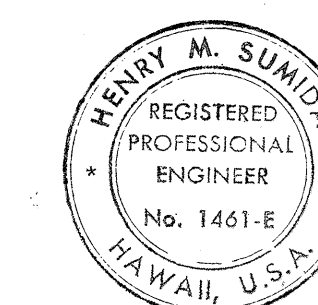
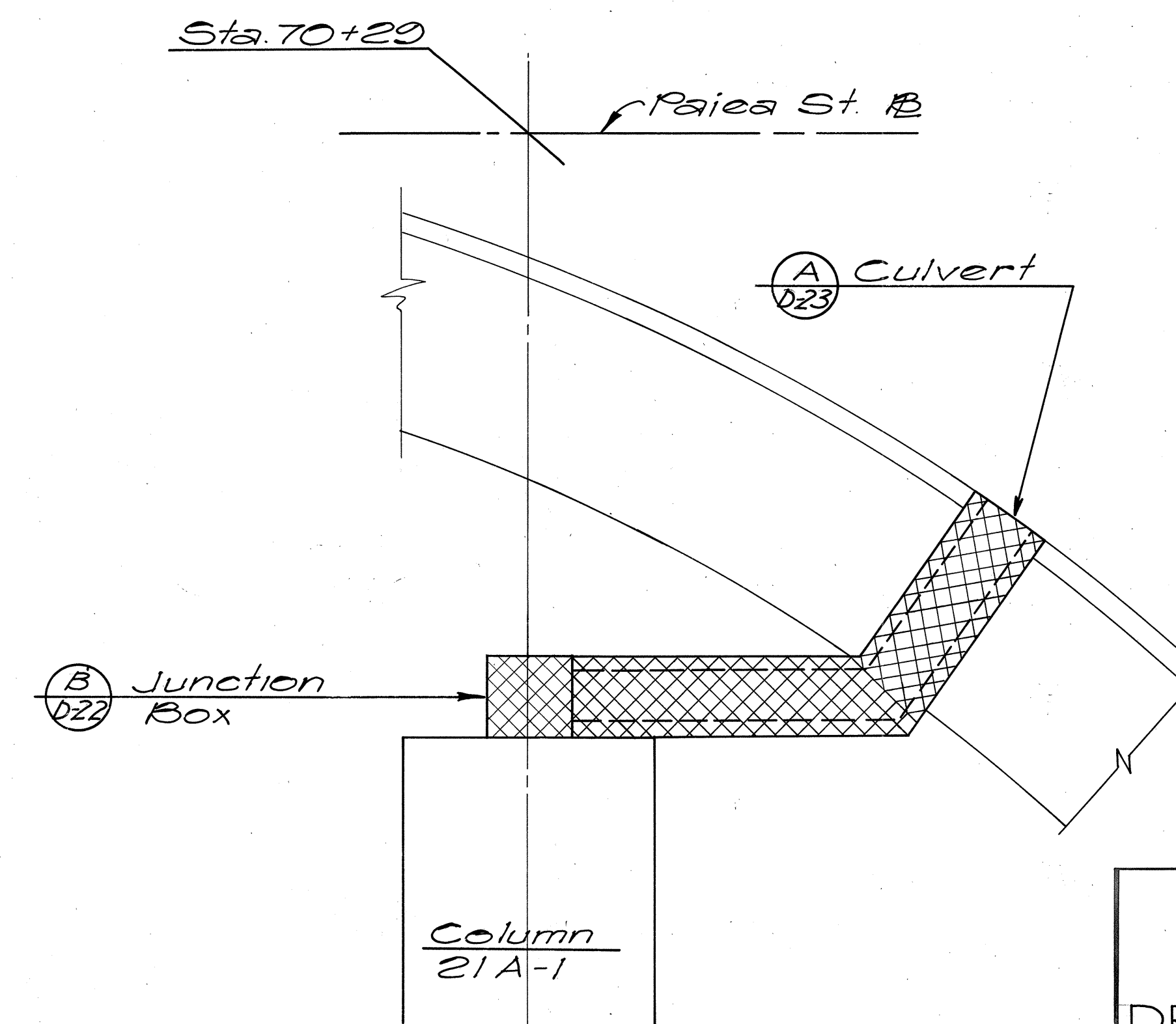
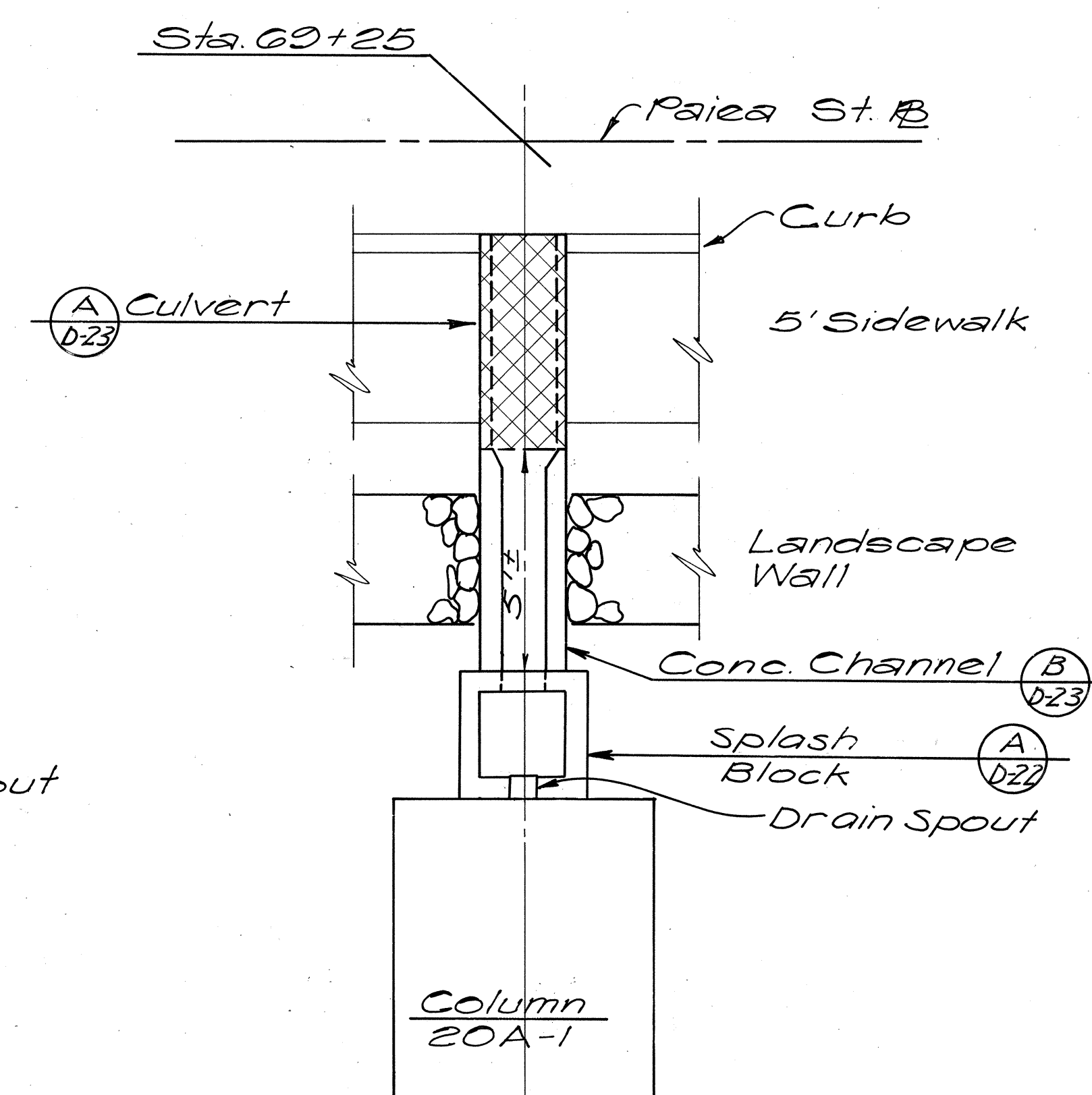
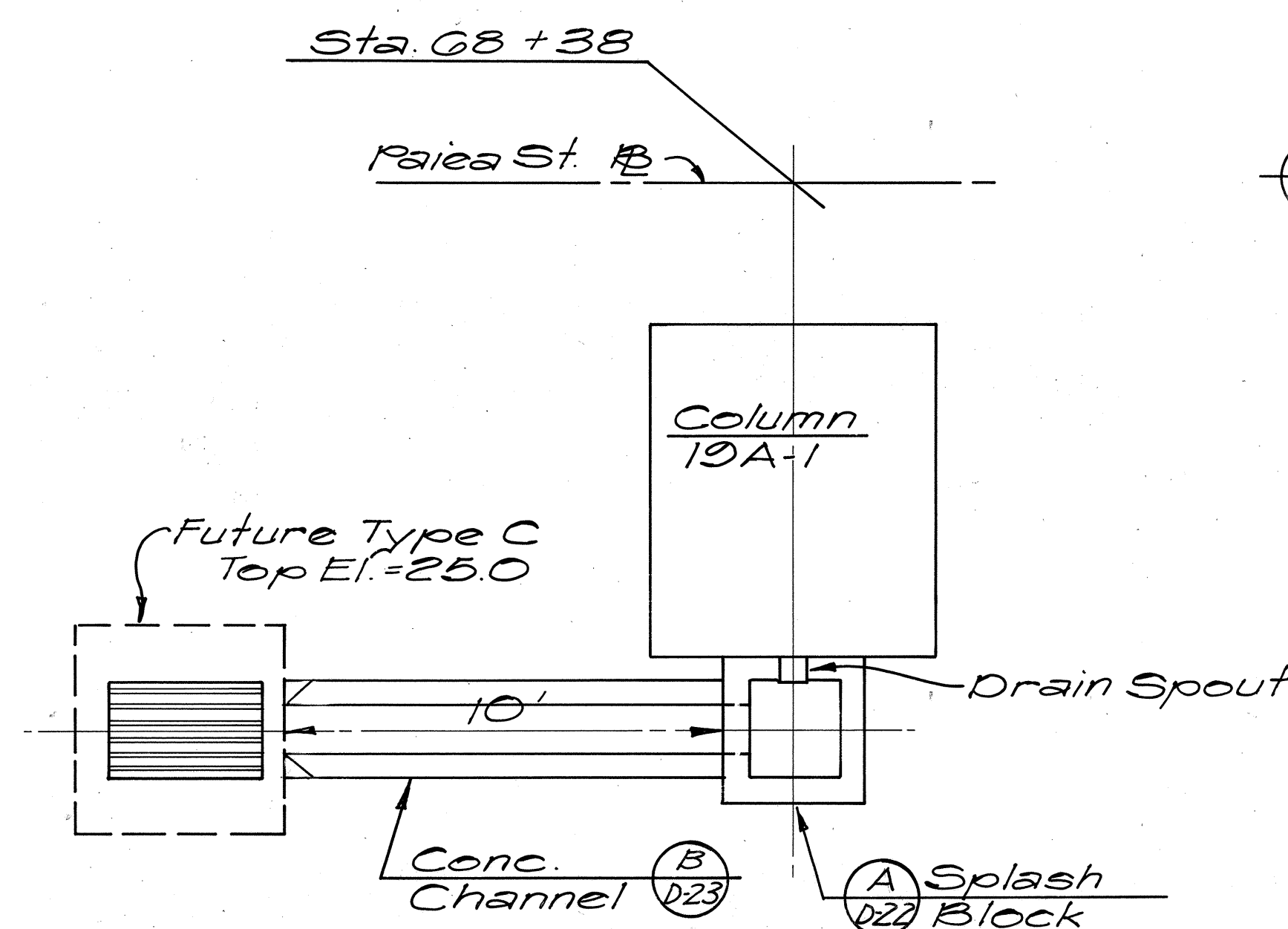
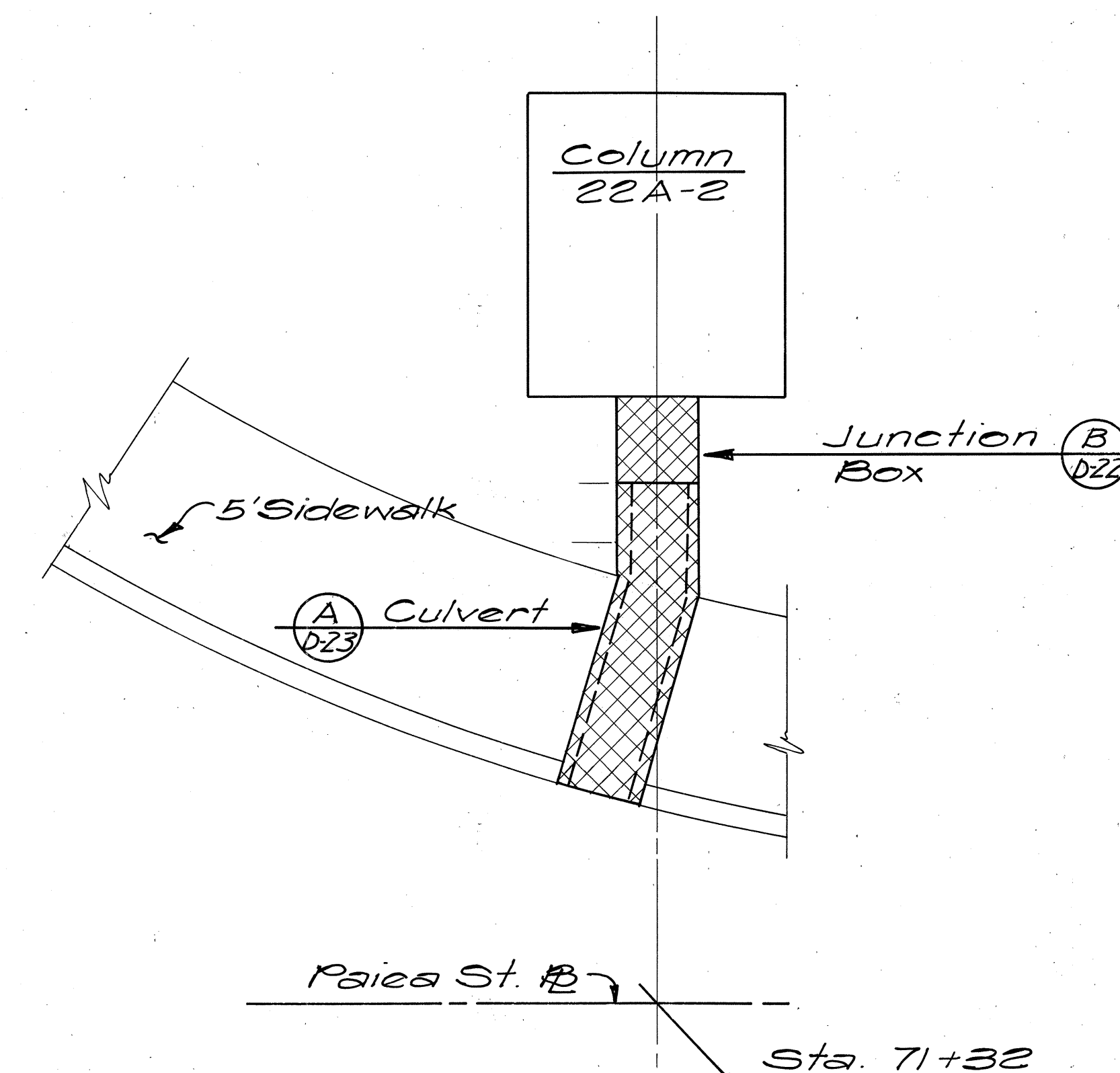
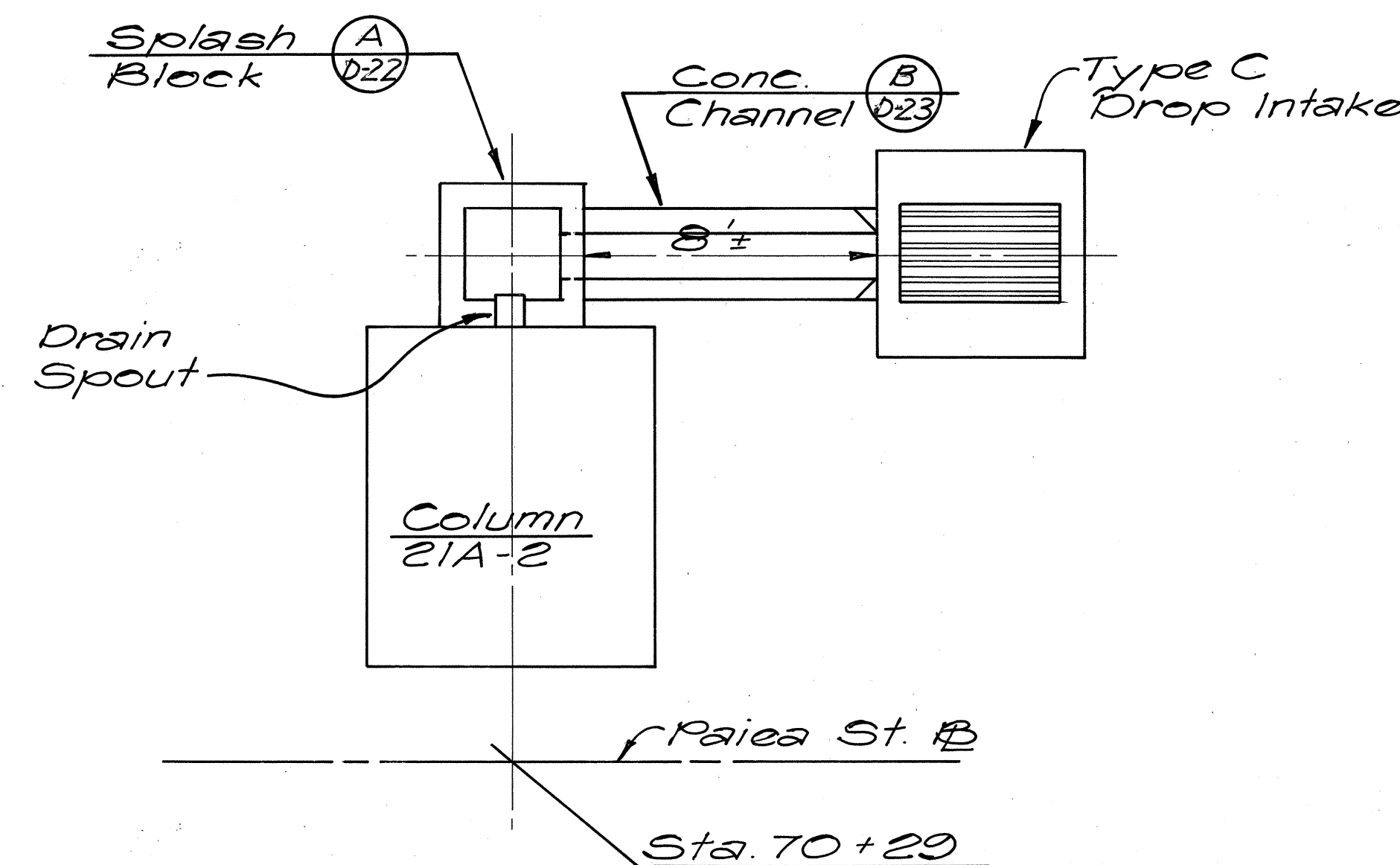
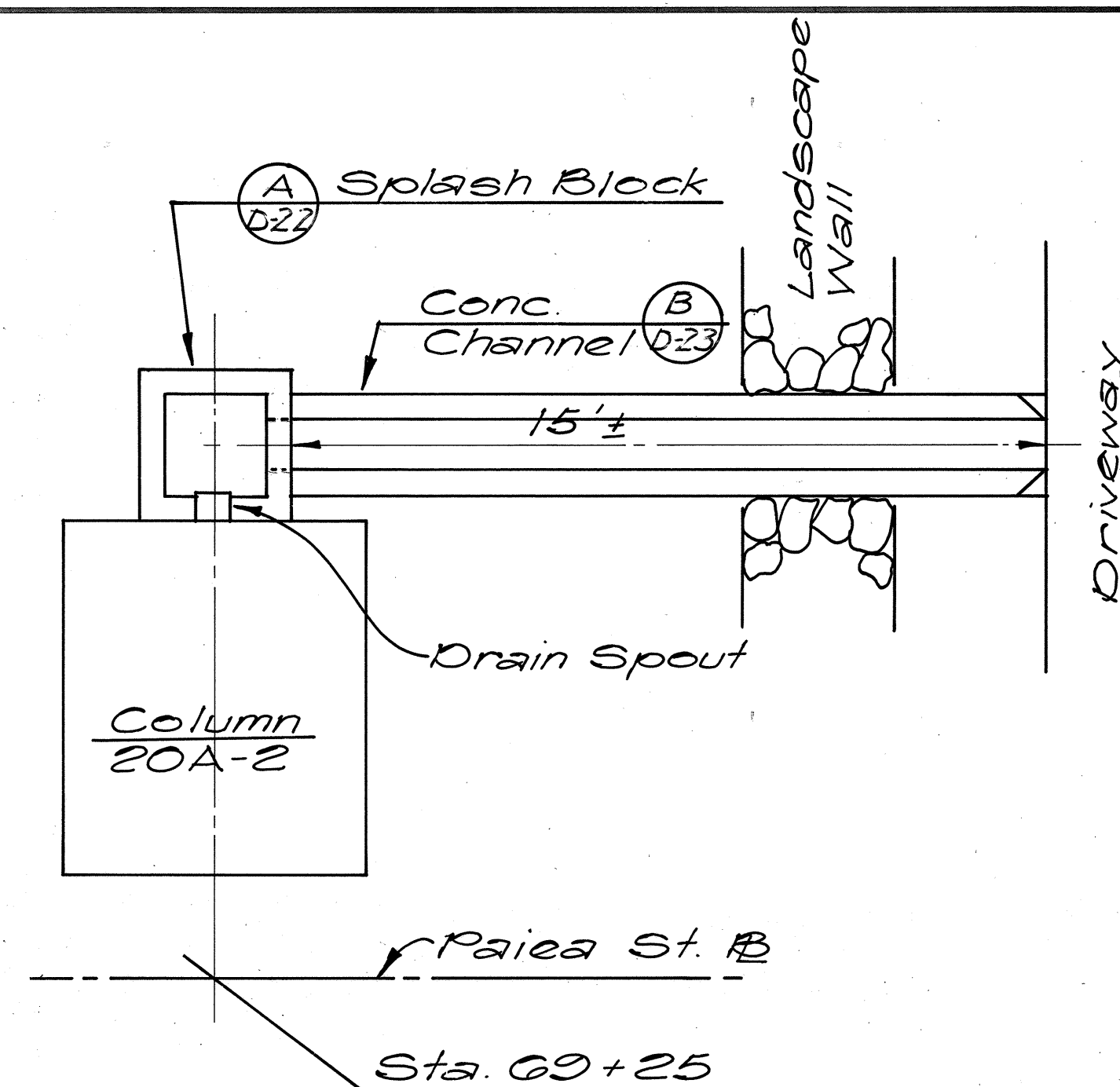
REINFORCED CONCRETE BOX CULVERT DETAILS

(2) 6'x6' RC BOXES STA. 109+60±
TYPICAL SECTION 112+31±
AIRPORT INTERCHANGE I-H-1(123):16
SCALE: AS SHOWN DATE: AUG. 28, 1976

SHEET No. D-18 OF 27 SHEETS

No.	DATE	REVISION
5-4-77		Changed Reinf. Steel for Typical Box Culvert Section

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(123)-16	1976	49	444



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HIGHWAYS DIVISION

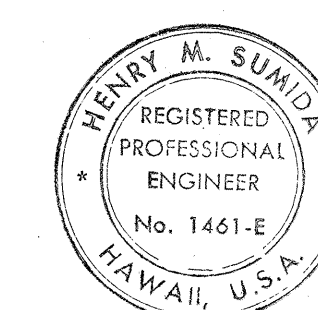
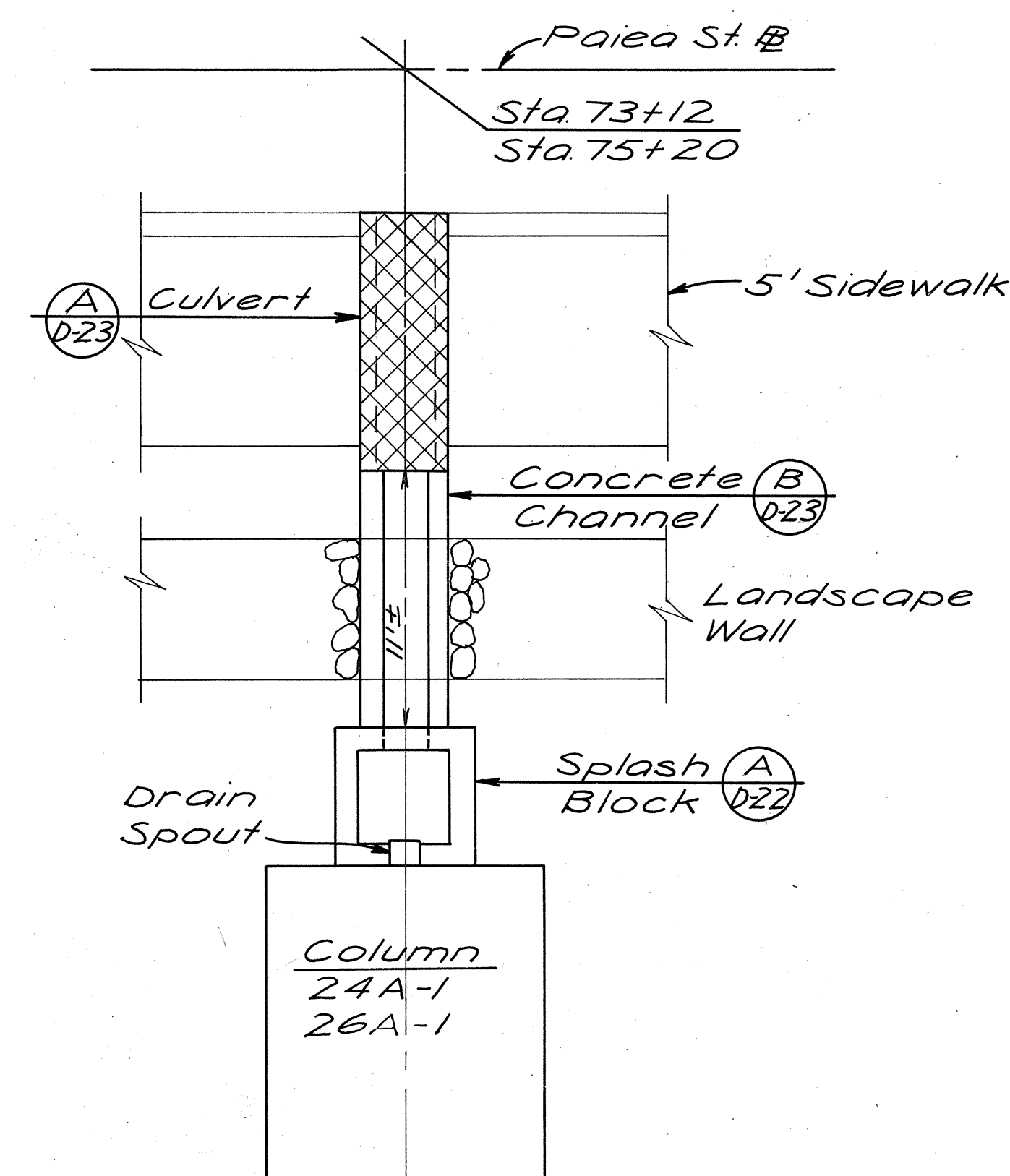
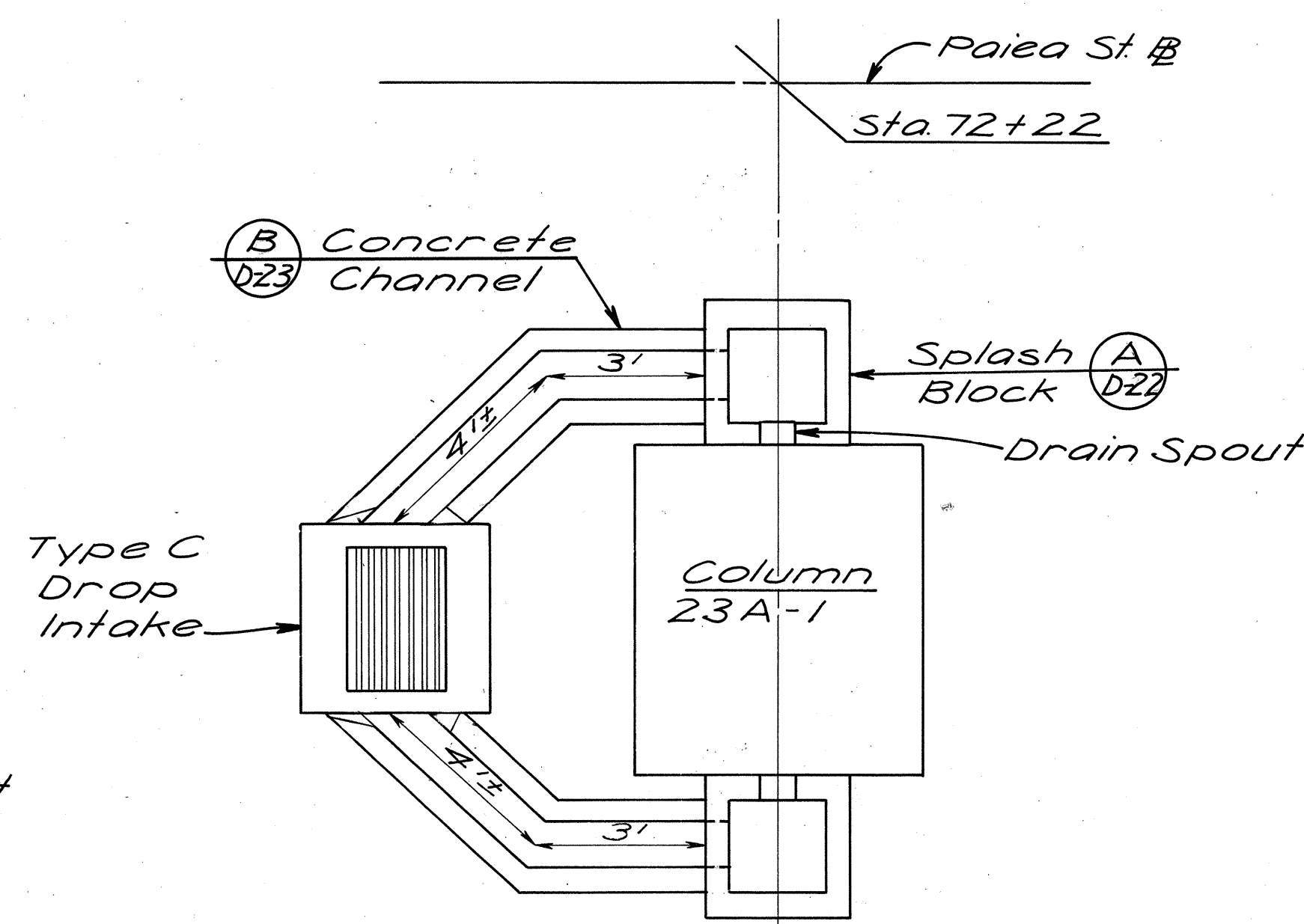
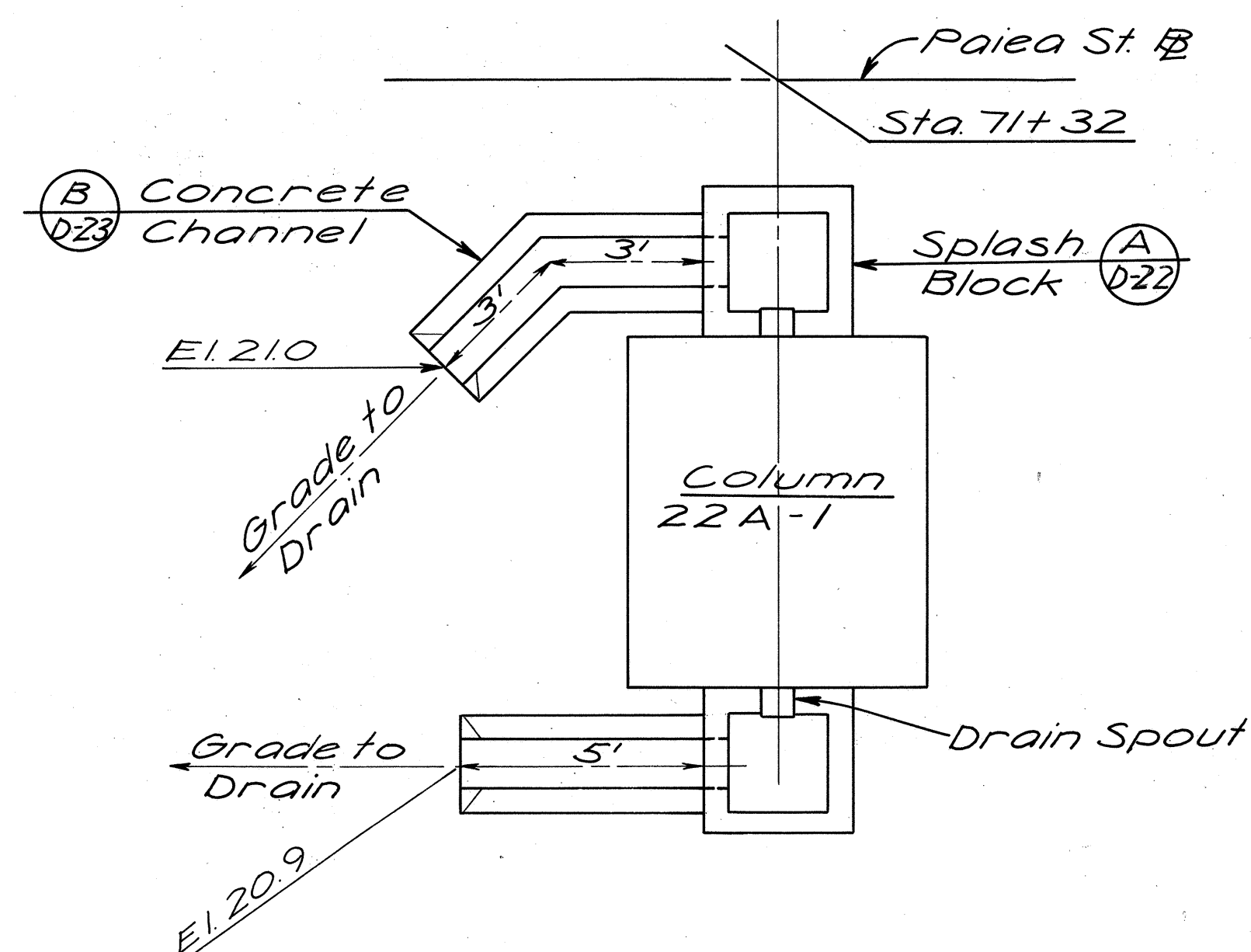
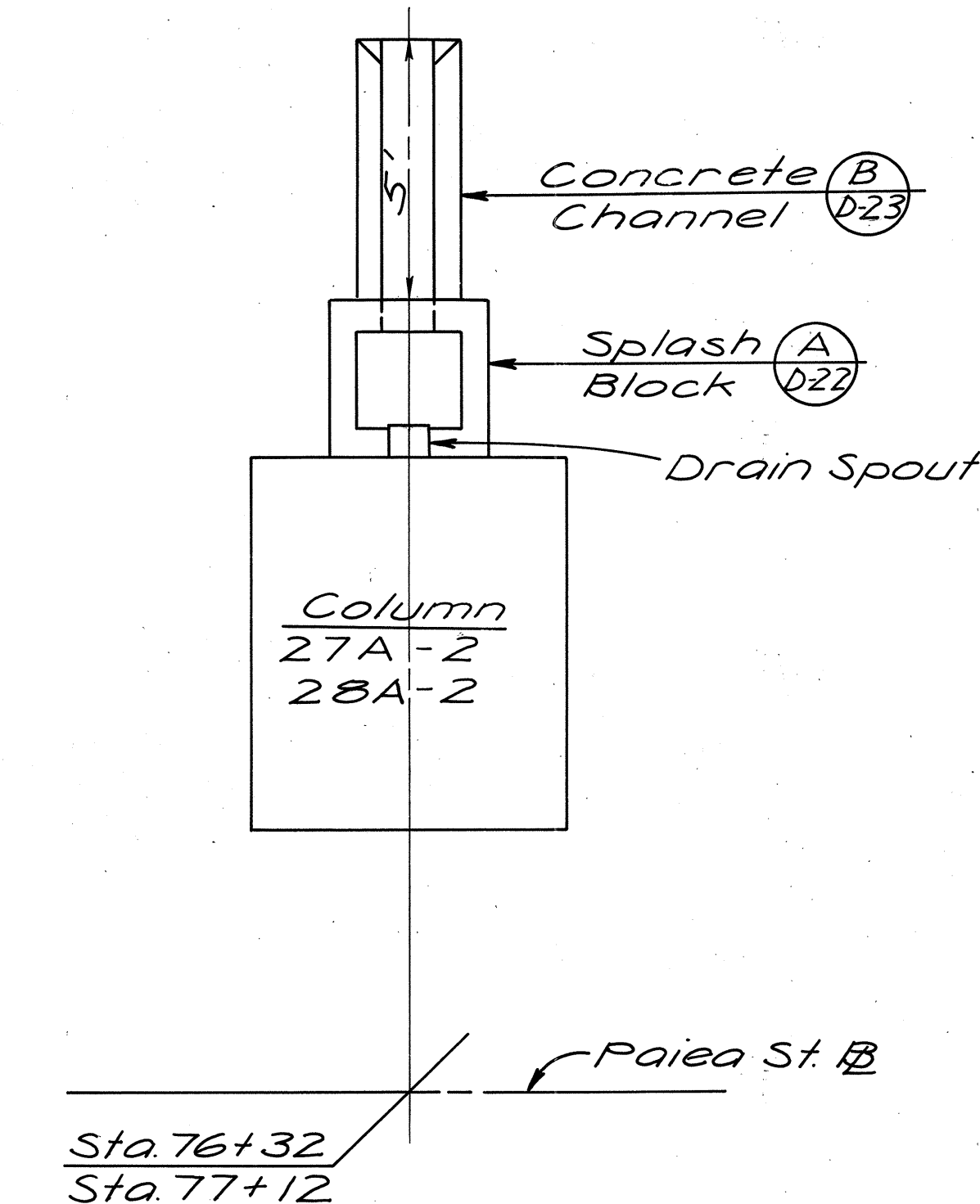
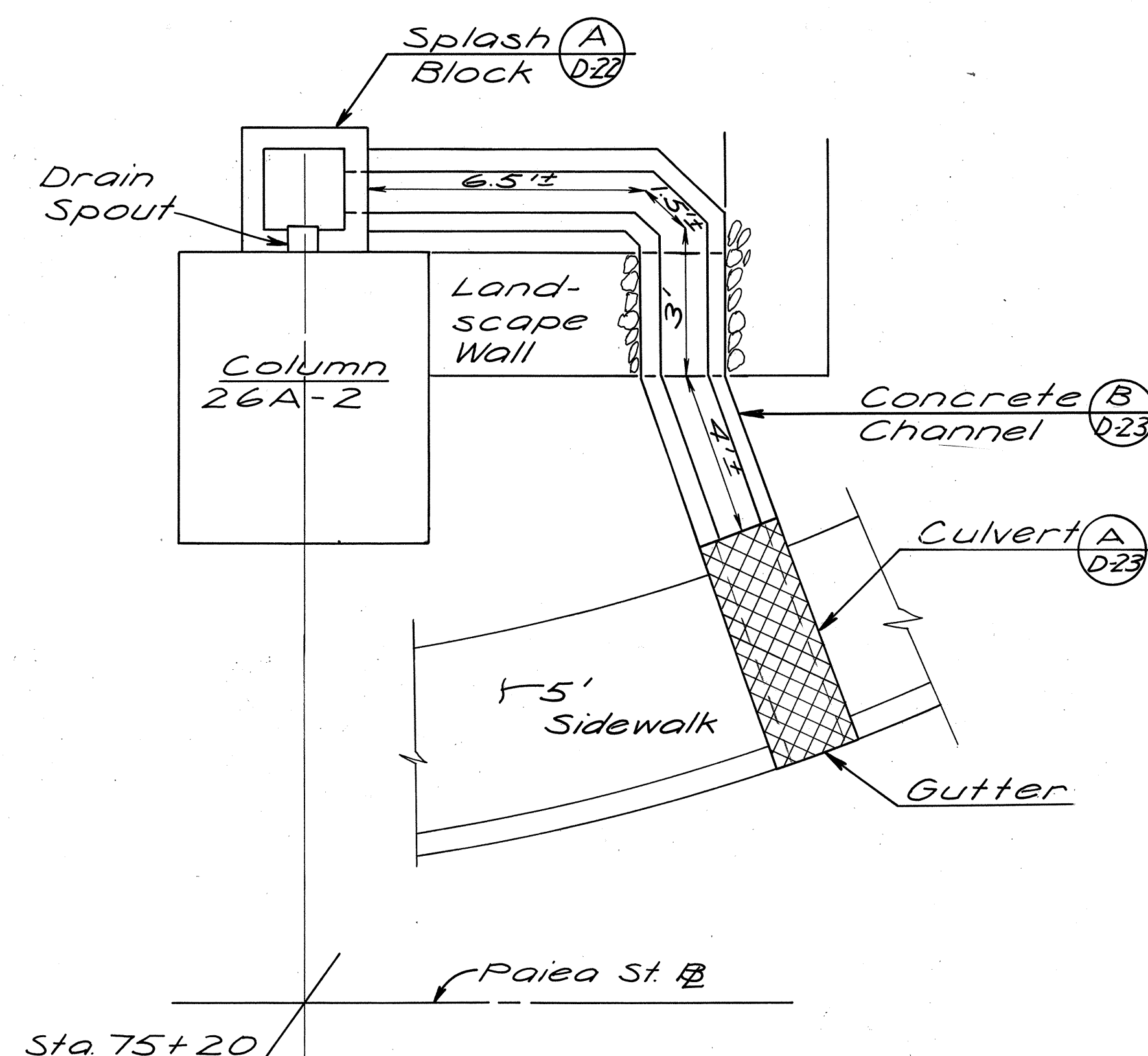
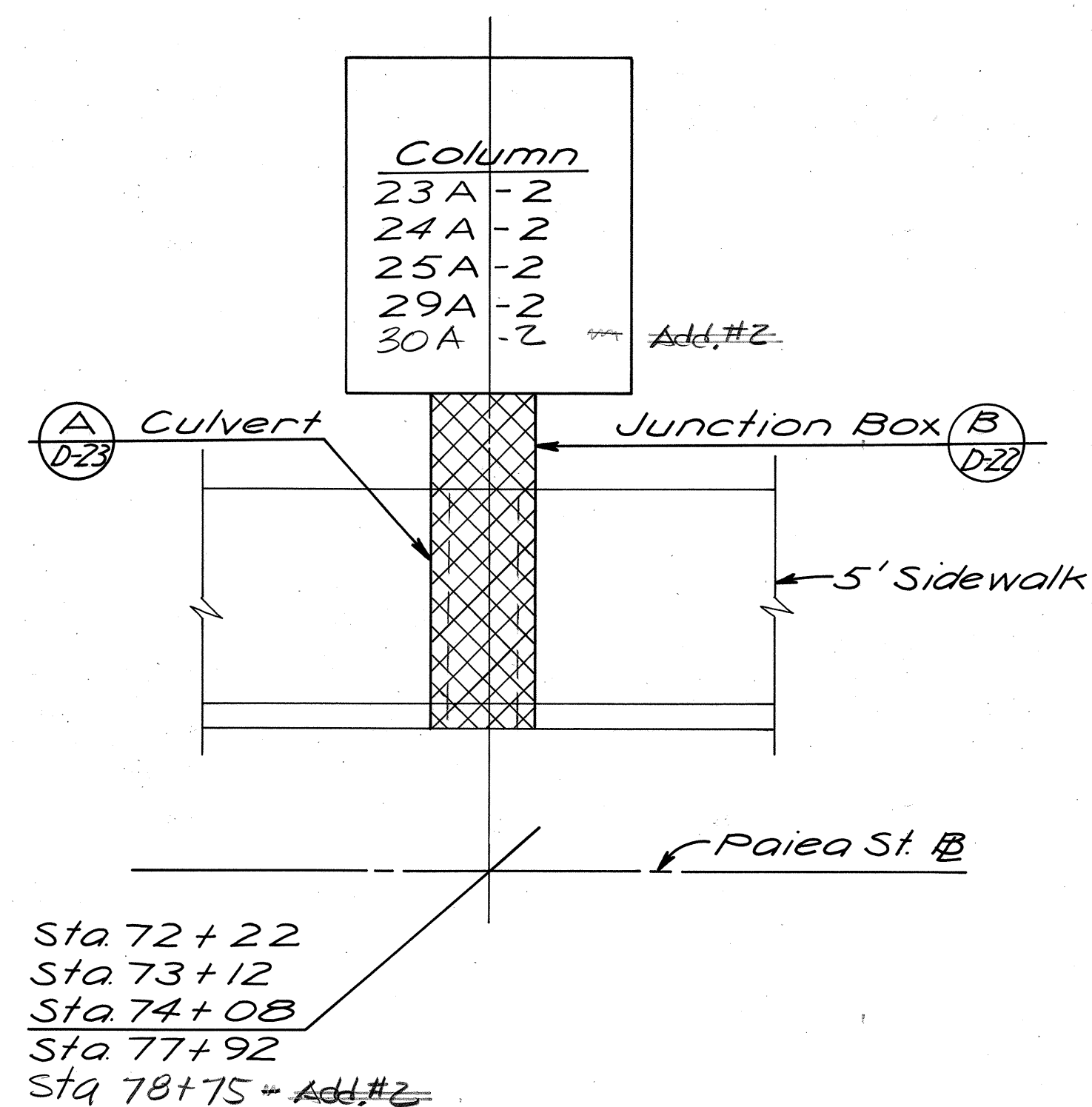
**DRAINAGE DETAILS
COLUMN DRAINS**

AIRPORT INTERCHANGE
F.A.I. PROJ. NO. I-H-1(123)-16

NO SCALE DATE: AUG 28, 1976

SHEET No. D-19 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123)16	1976	50	444



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

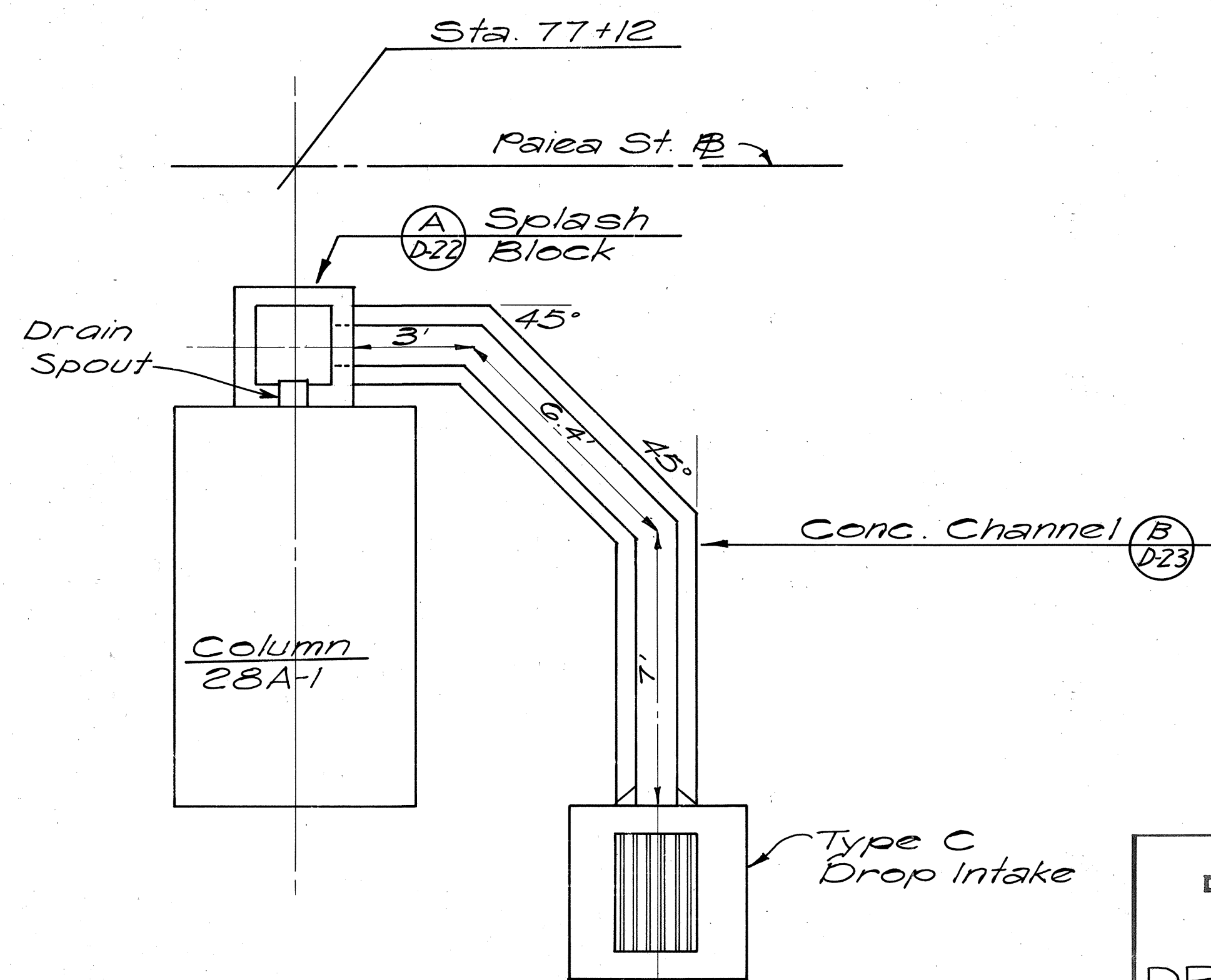
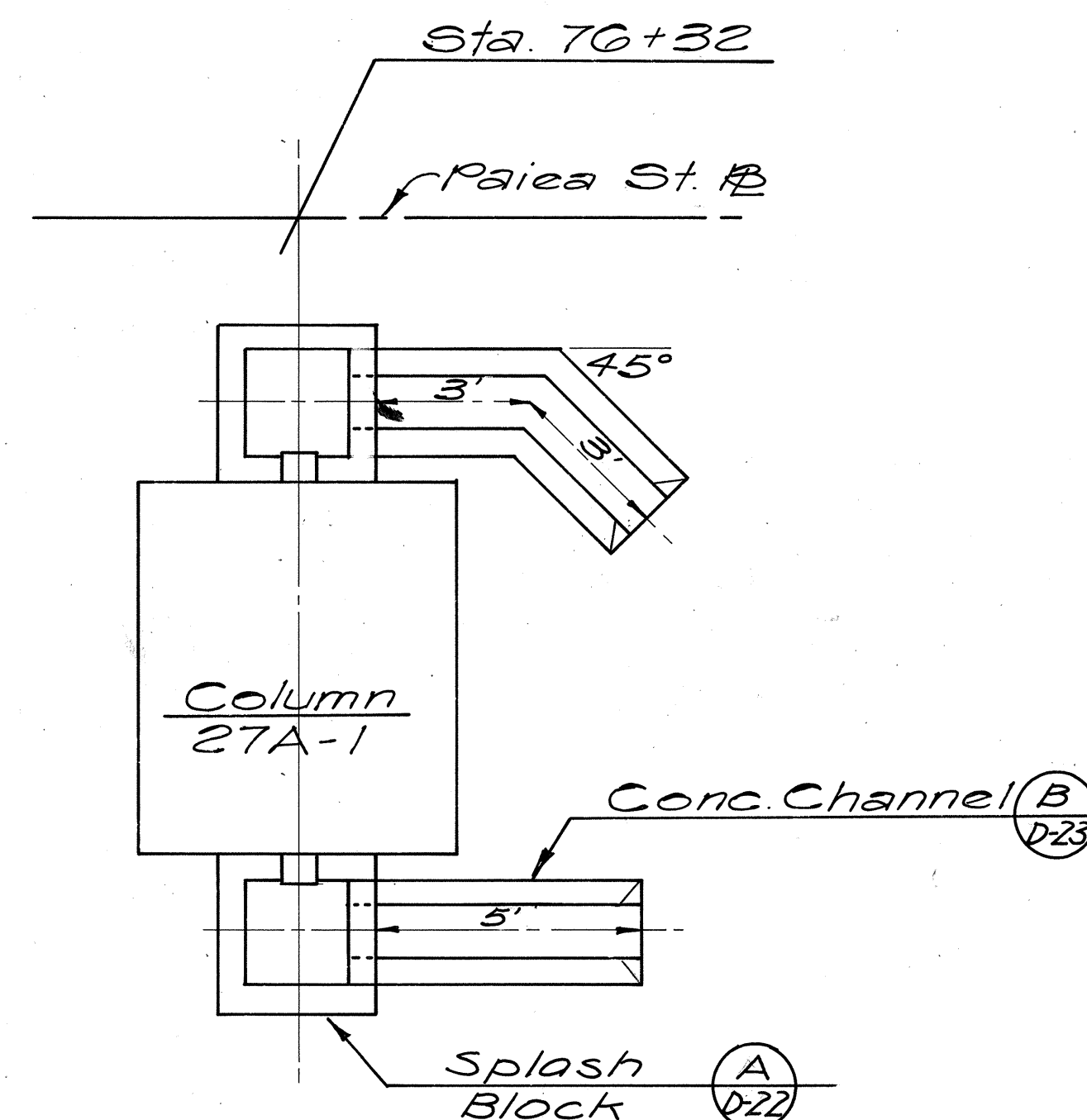
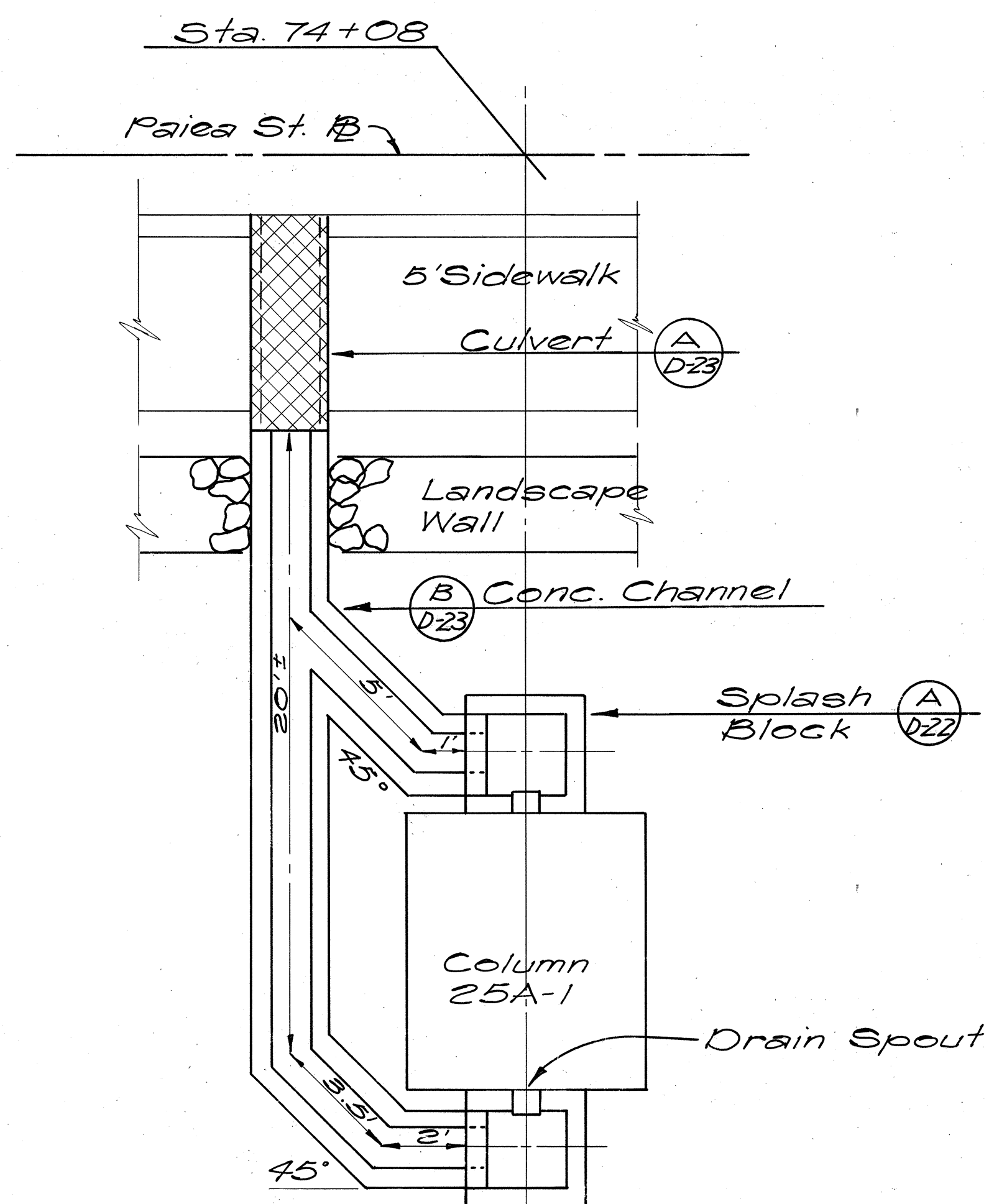
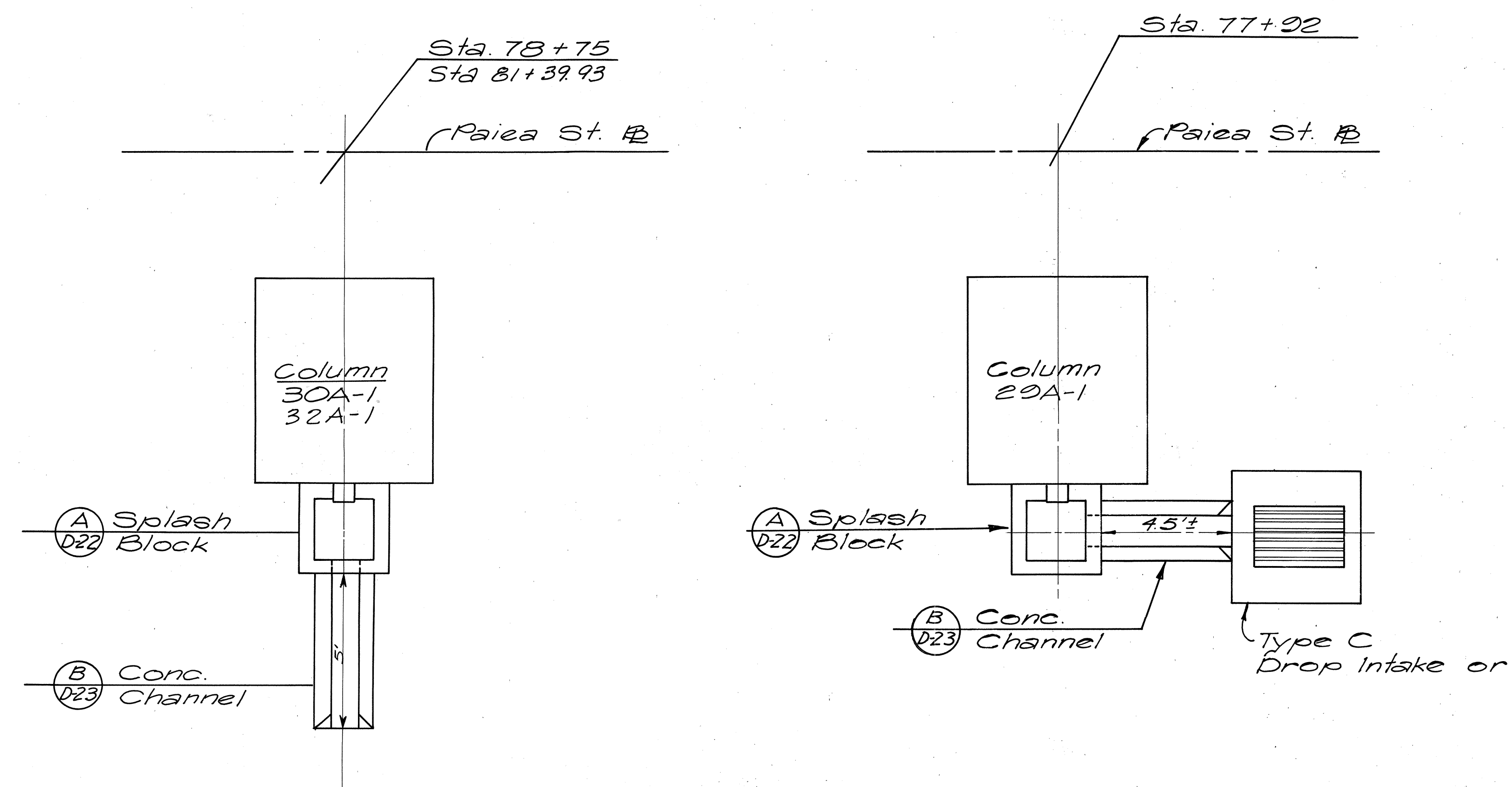
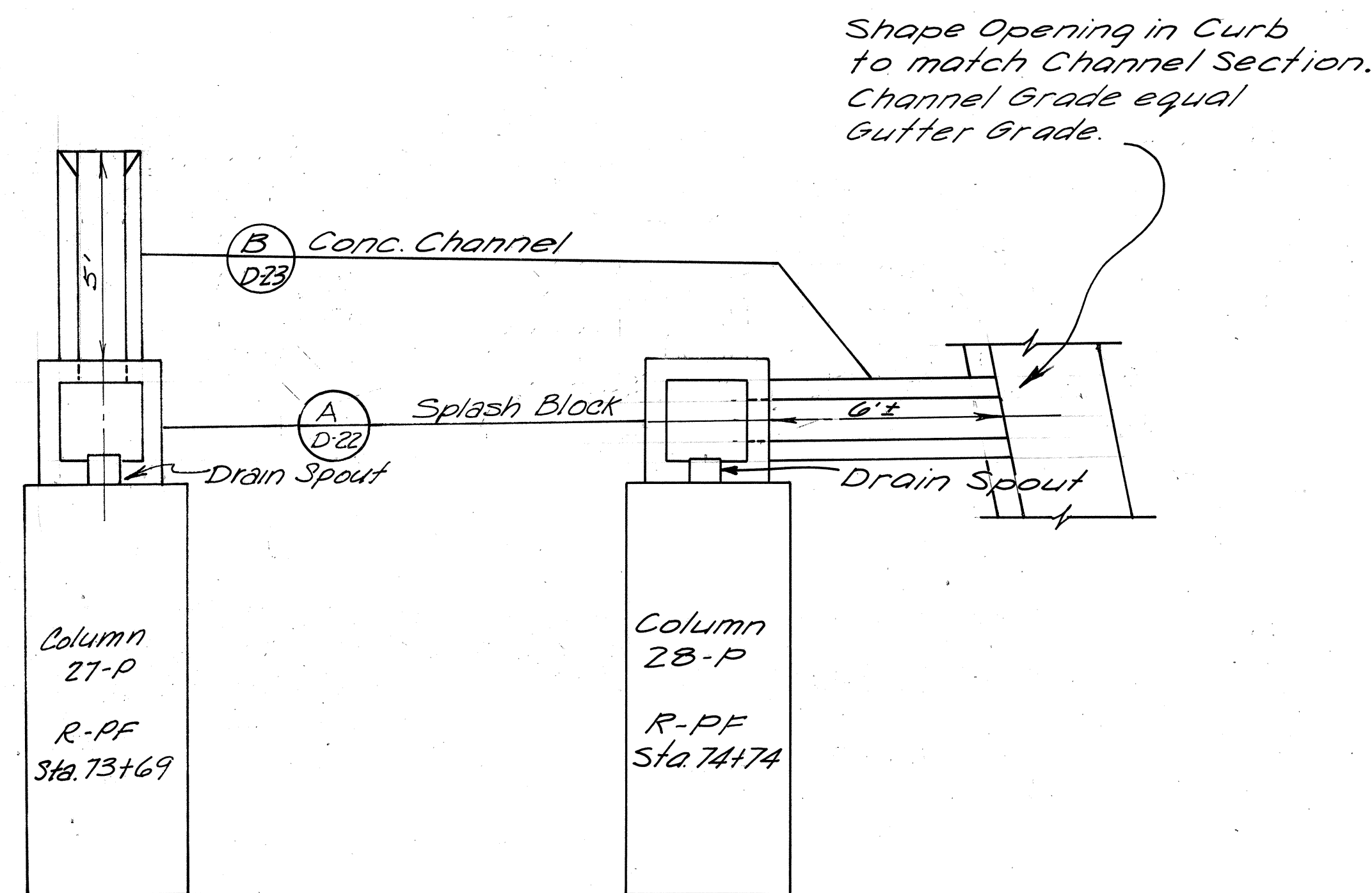
DRAINAGE DETAILS
COLUMN DRAINS

AIRPORT INTERCHANGE
F.A.I. PROJ. NO I-HI-1(123)16

NO SCALE DATE: AUG 28, 1976

SHEET No D20 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123)-16	1976	51	444



DATE	REVISION
10-18-78	Added Columns 27-P & 32A-1 Changed Detail Column 28-P
10-10-77	Added Detail Column 28-P
12-14-76	Deleted Detail for 30A-2 Changed Detail for 30A-1



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HIGHWAYS DIVISION

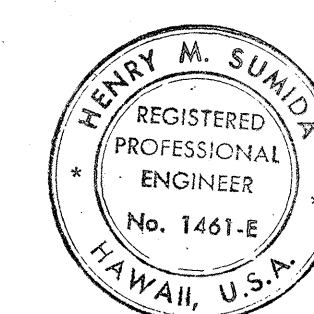
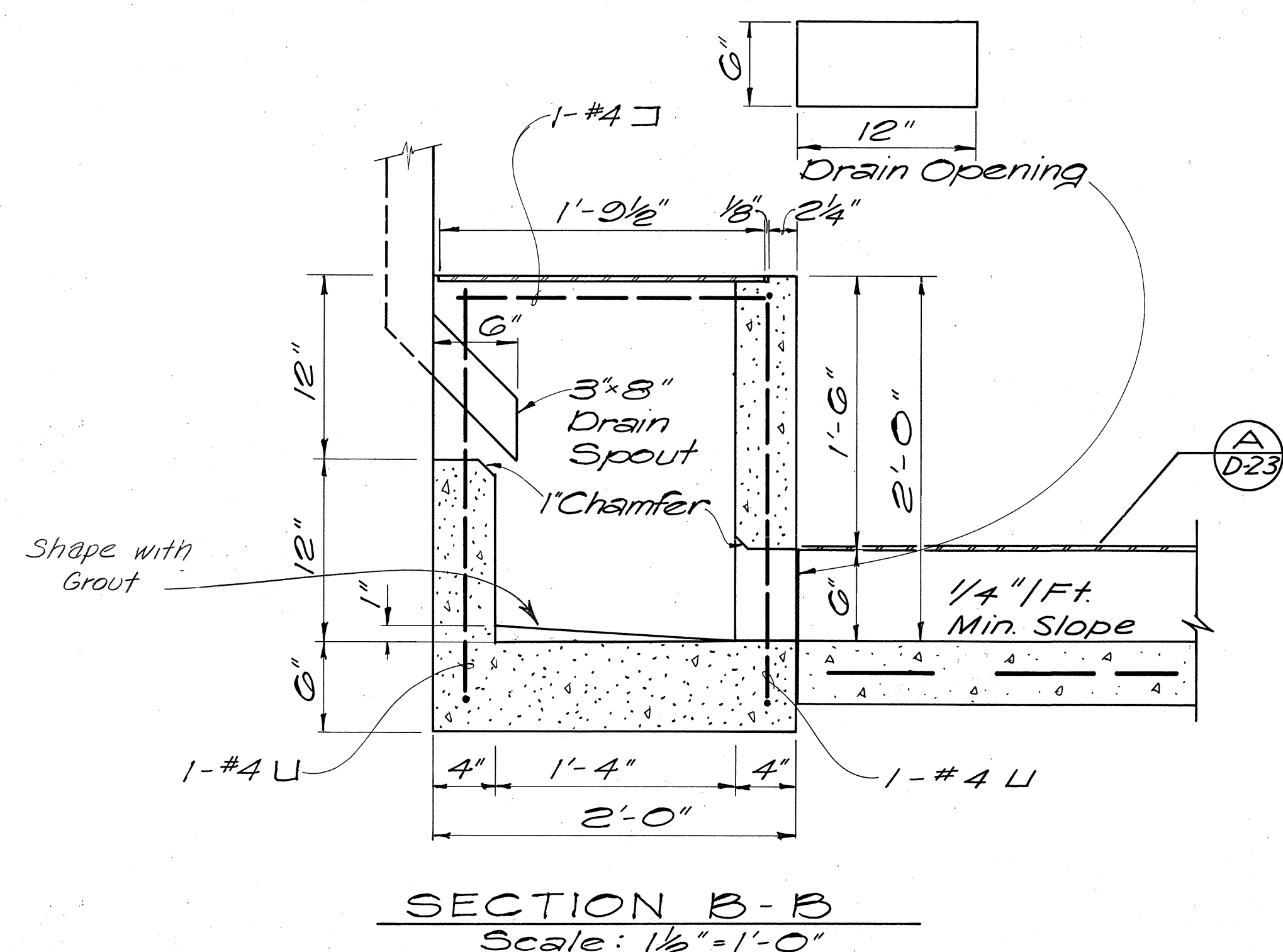
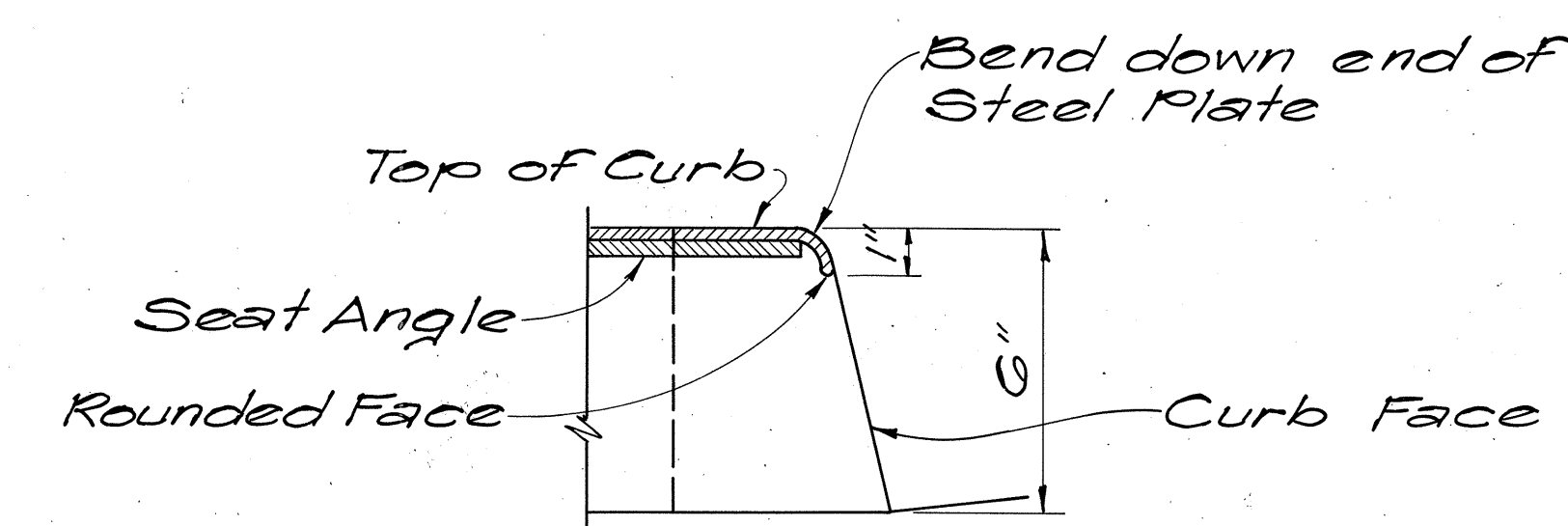
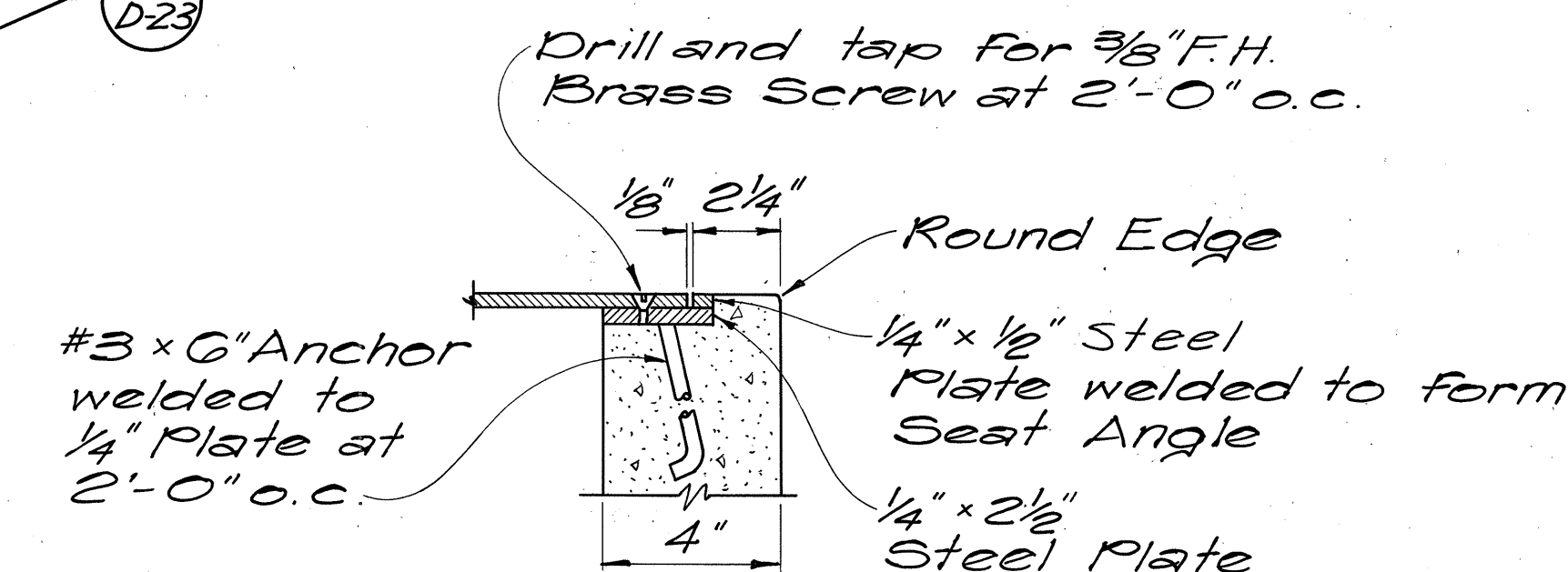
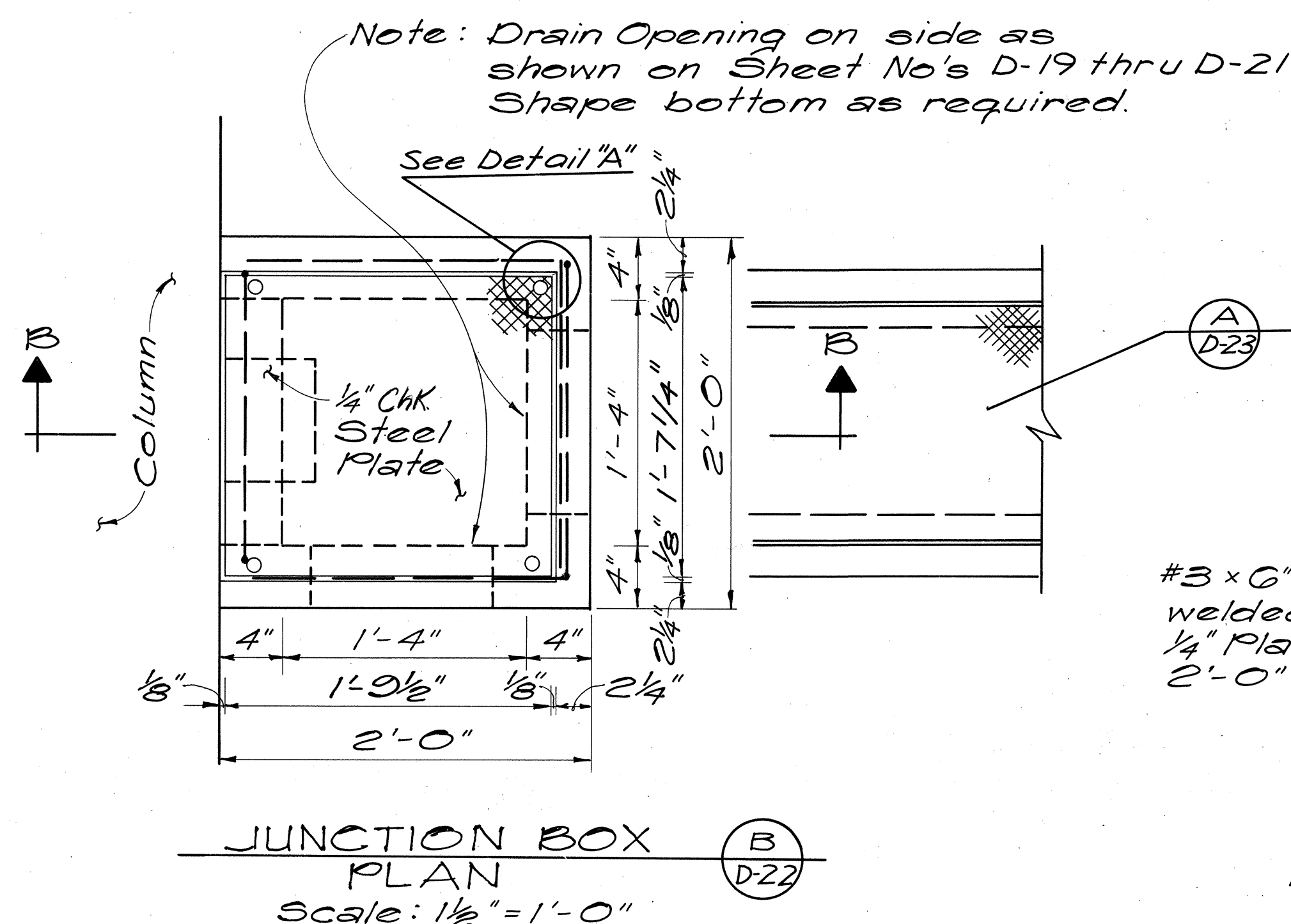
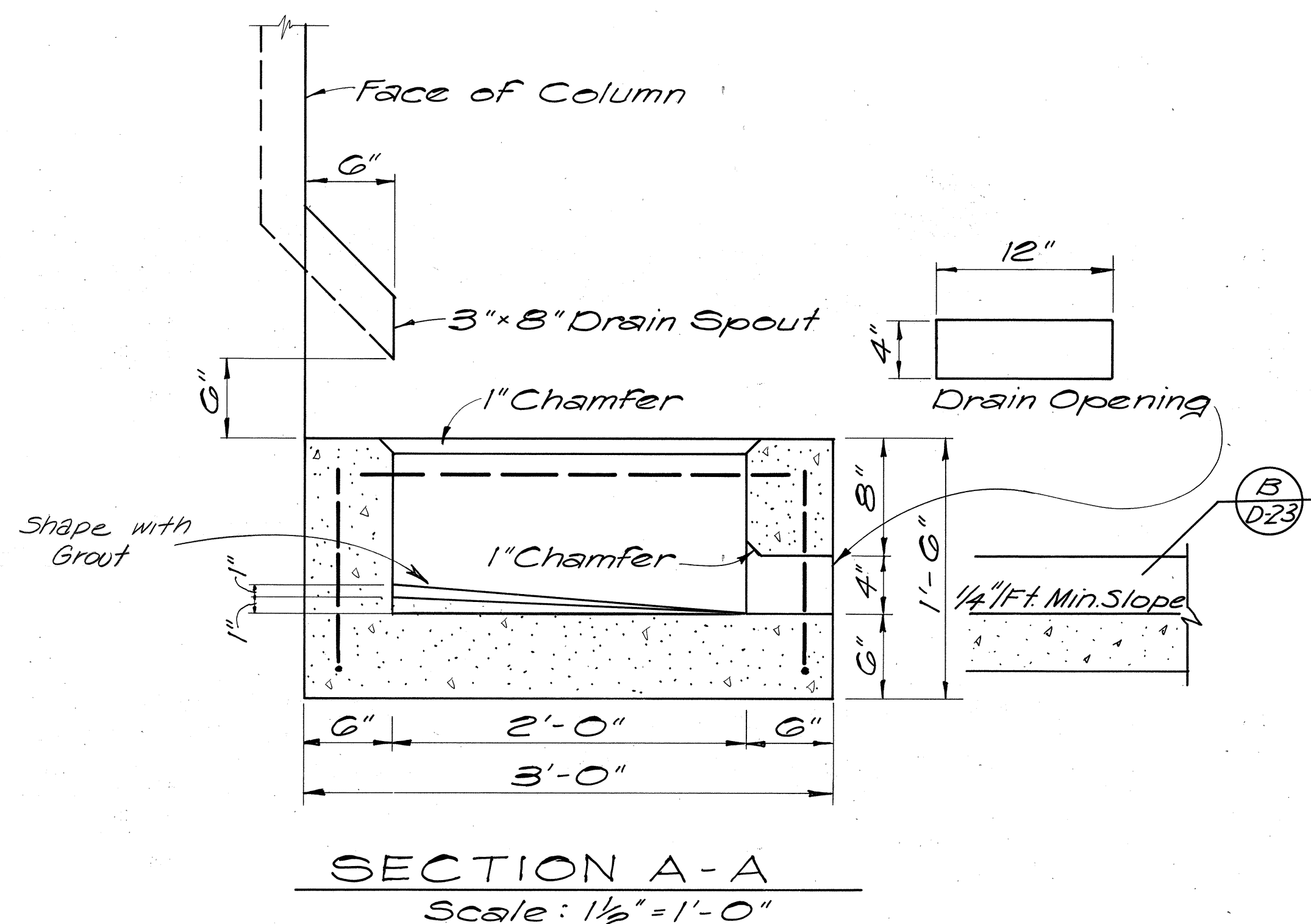
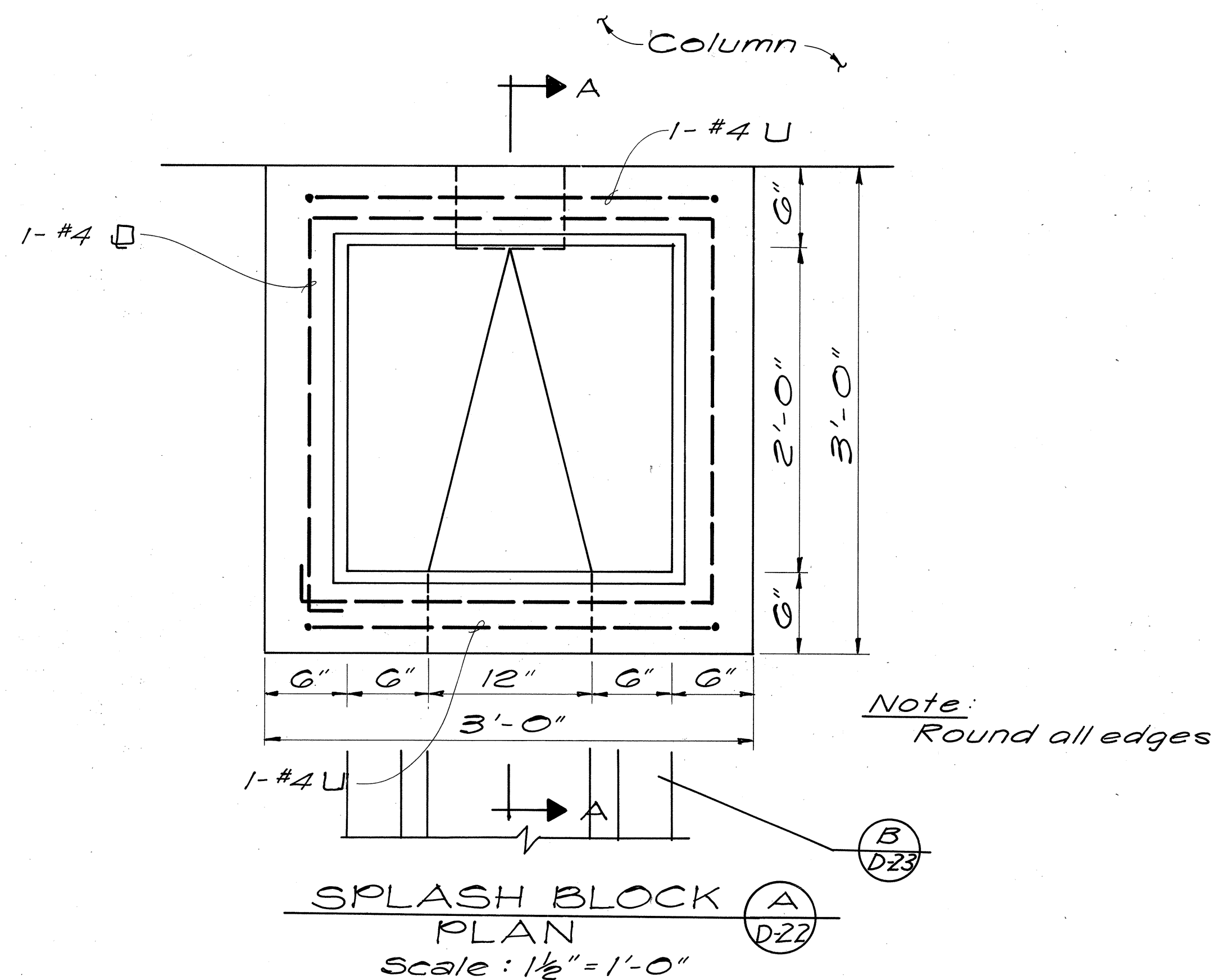
DRAINAGE DETAILS
COLUMN DRAINS

AIRPORT INTERCHANGE
F.A.I. PROJ. NO I-HI-1(123)-16

NO SCALE DATE AUG 28, 1976

SHEET No. D21 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123)-16	1976	52	444



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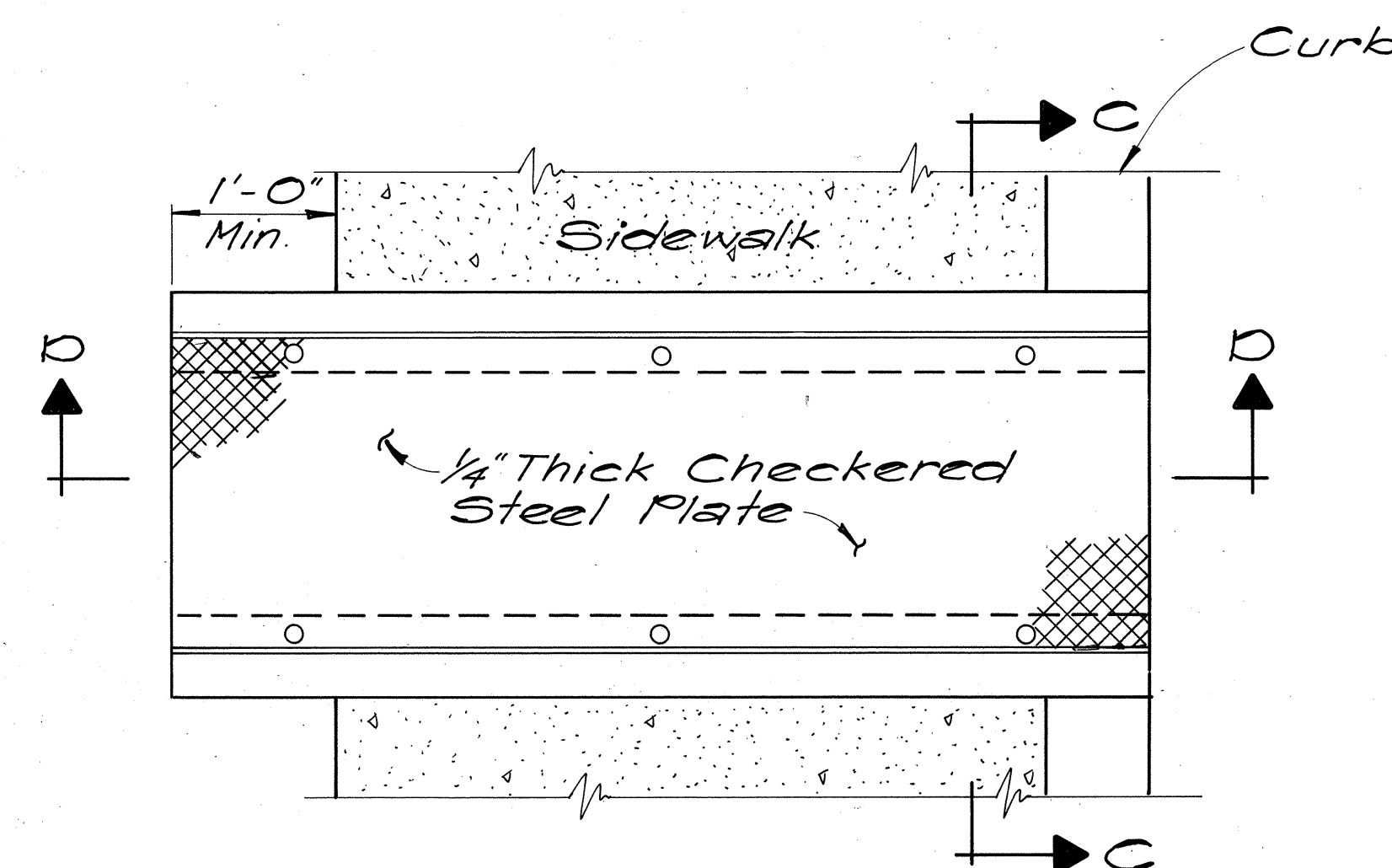
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**DRAINAGE DETAILS
COLUMN DRAINS**

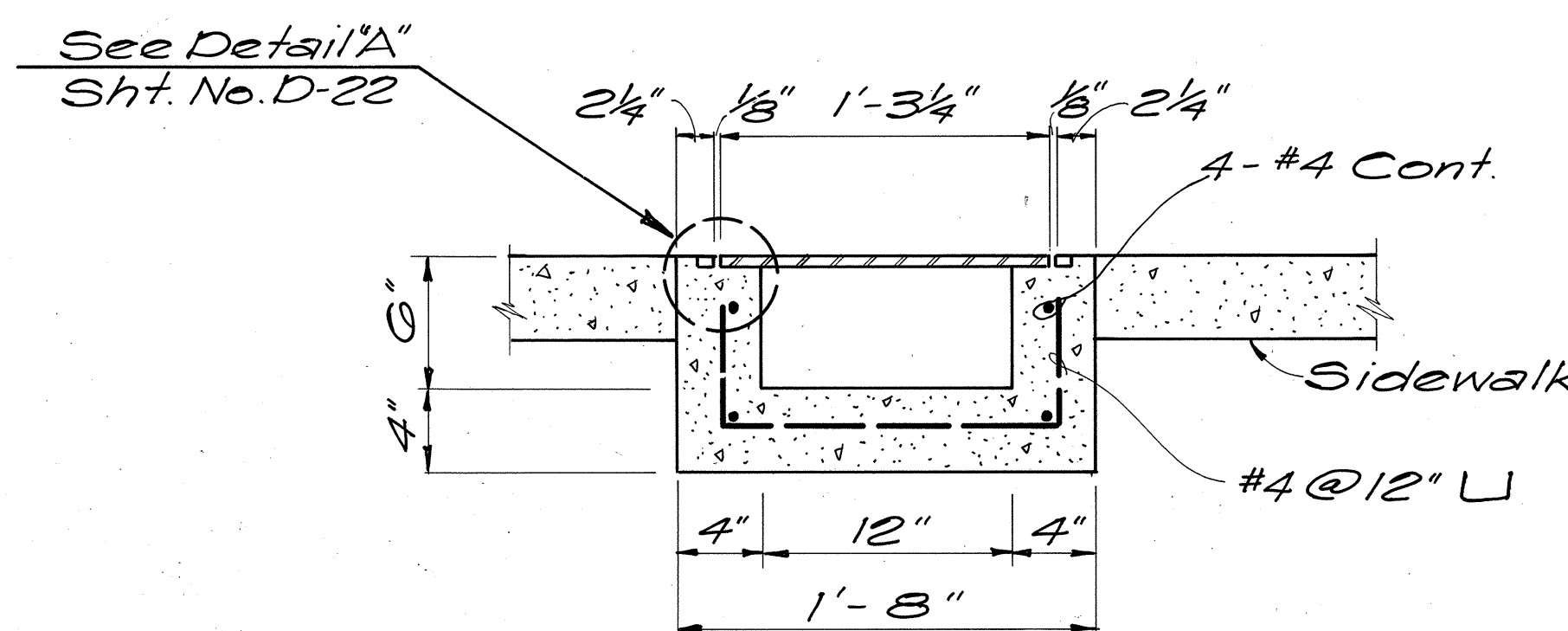
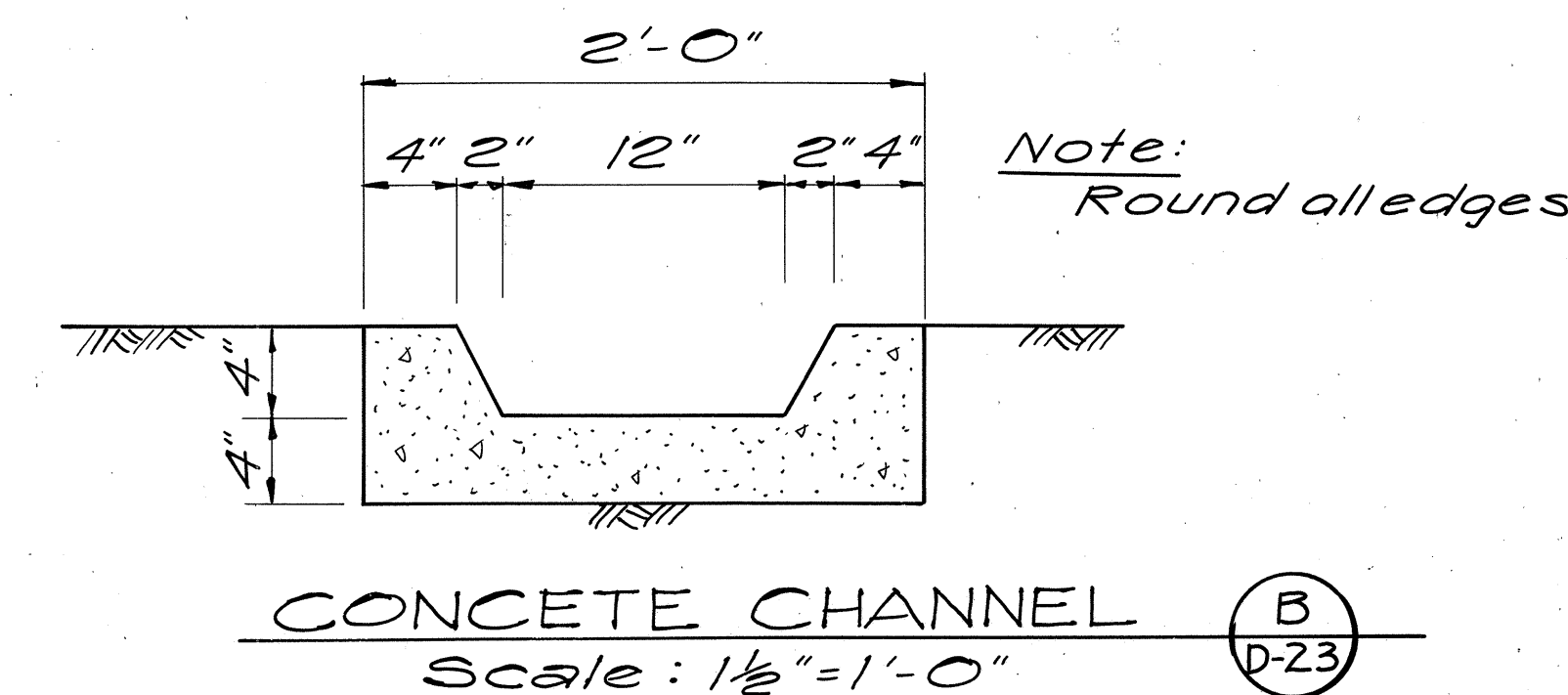
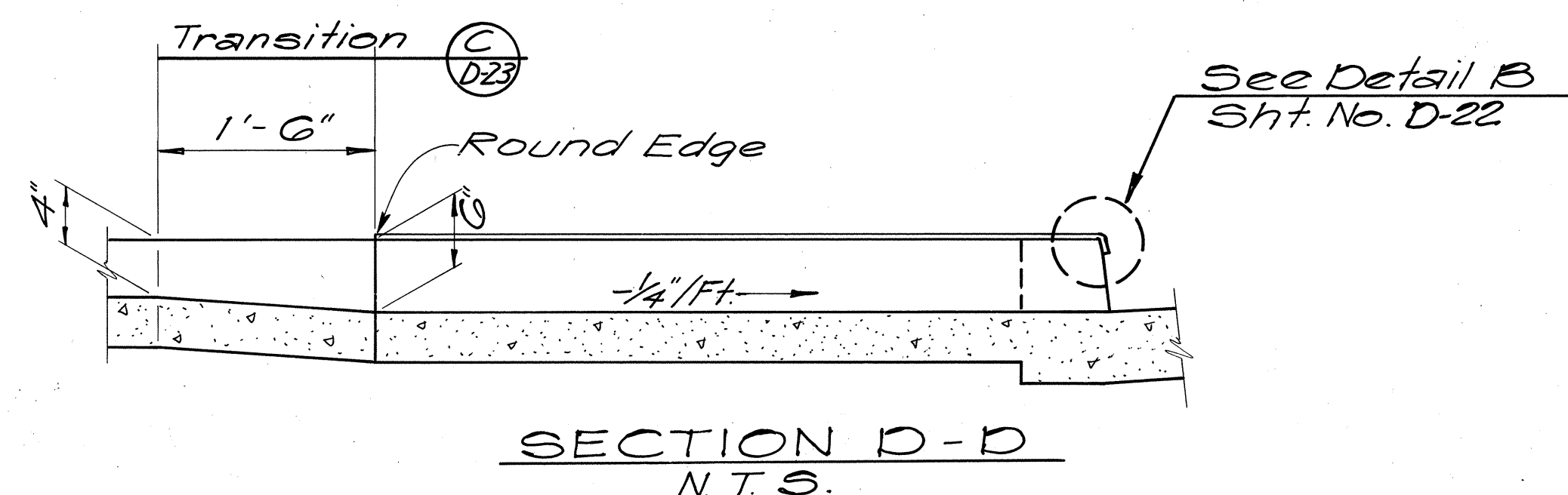
AIRPORT INTERCHANGE
F.A.I. PROJ. NO I-HI-1(123)-16
SCALE: AS SHOWN DATE: AUG. 28, 1976

SHEET No. D22 OF 27 SHEETS

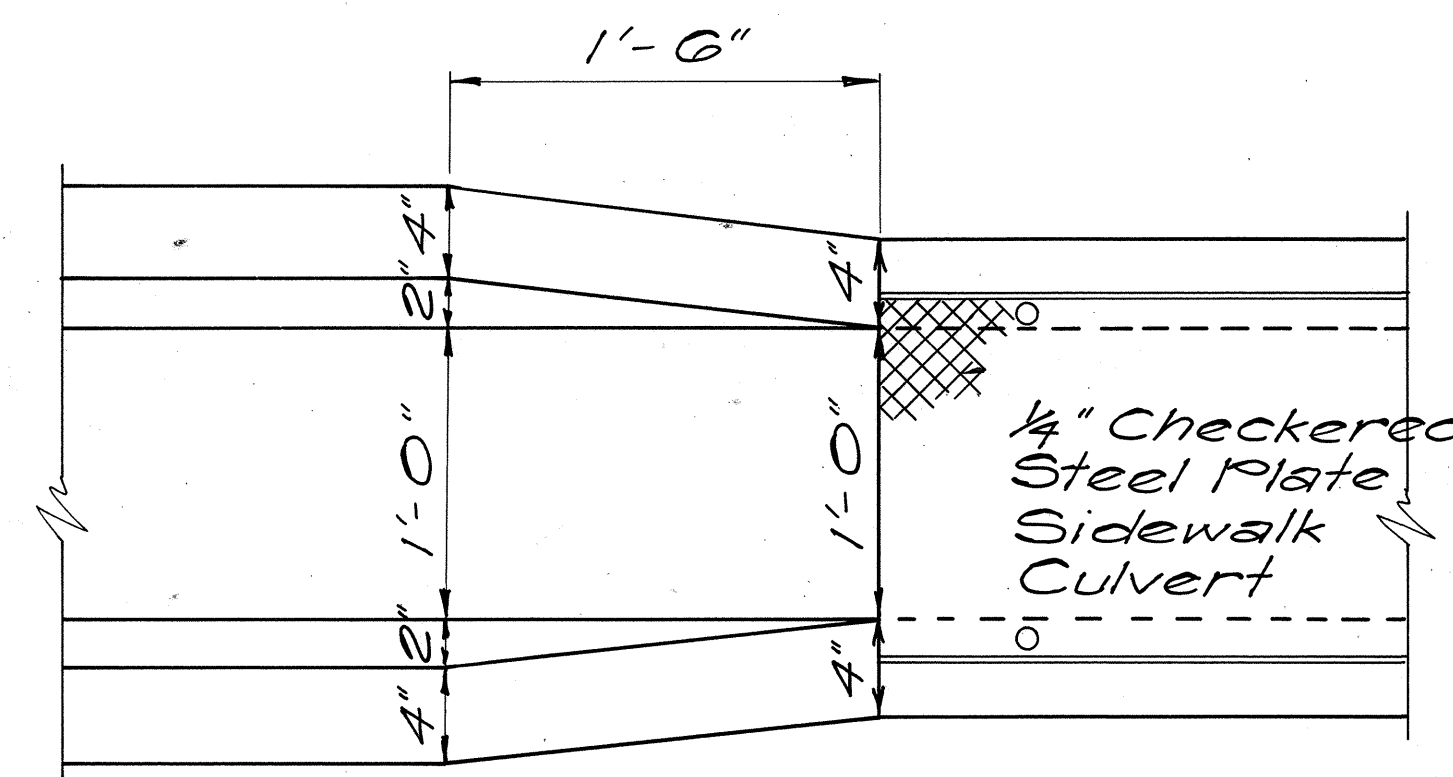
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-H-1(123)-16	1976	53	444



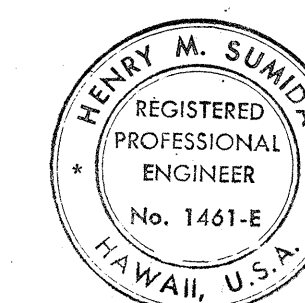
SIDEWALK CULVERT
PLAN
Scale: 1/2" = 1'-0"



SECTION C-C
N.T.S.



TRANSITION (C) D-23
Scale: 1/2" = 1'-0"
Conc. Channel to Sidewalk Culvert



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION

DRAINAGE DETAILS
COLUMN DRAINS

AIRPORT INTERCHANGE
F.A.I. PROJ. NO I-H-1(123)-16
SCALE: AS SHOWN DATE AUG 28, 1976
SHEET No D23 OF 27 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(123)16	1976	54	444



Signature

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IHH (173) 16	1976	55	444



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ME OR UNDER MY SUPERVISION.

Henry M. Simola
Signature

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HA-1(023)K	1976	56	444

5-4-77	Increased Reint. Steel	401 (2)
	6 x 6 Bxbs from 6500 #	to 7030 #
12-14-76	Deleted Item No. 604	201, 603, 7418
	603, 1018	603, 9008
	Item No. 603	603, 611, 61
	Changed quantities for most	Items



THIS WORK WAS PREPARED
FOR ME OR UNDER MY SUPERVISION
Henry M. [Signature]
Signature

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HH-12316	1976	57	444

D-27

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

Henry M. Smith
Signature

ADD 57