

STATE OF MAINE

STATE HIGHWAY COMMISSION

PLANS

SIDNEY

KENNEBEC COUNTY

MAINE FEDERAL AID INTERSTATE

PROJECT NO. I-95-6(8)114

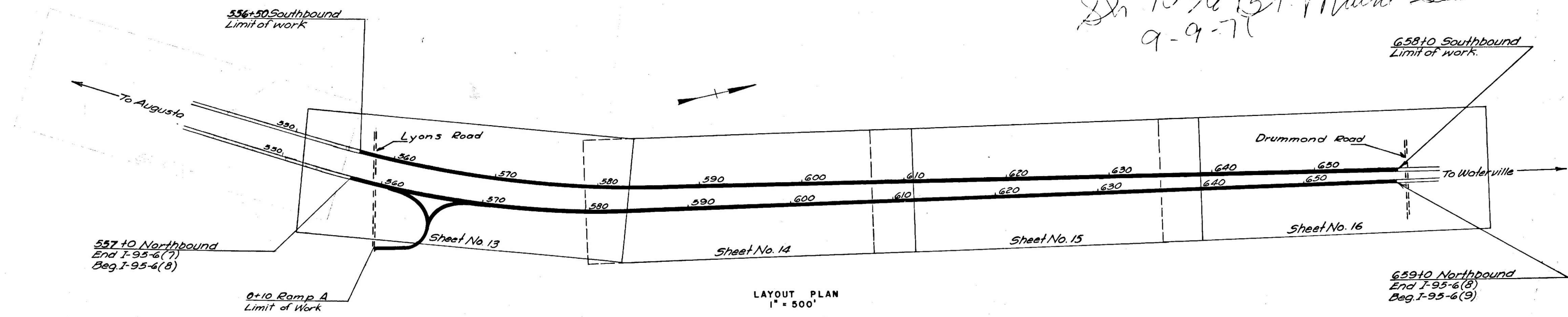
TOTAL LENGTH 1.932 MILES

SCALES { PLAN 1 IN. = 100 FT.
 PROFILE { HOR. 1 IN. = 100 FT.
 VER. 1 IN. = 10 FT.
 CROSS SECTIONS 1 IN. = 10 FT.

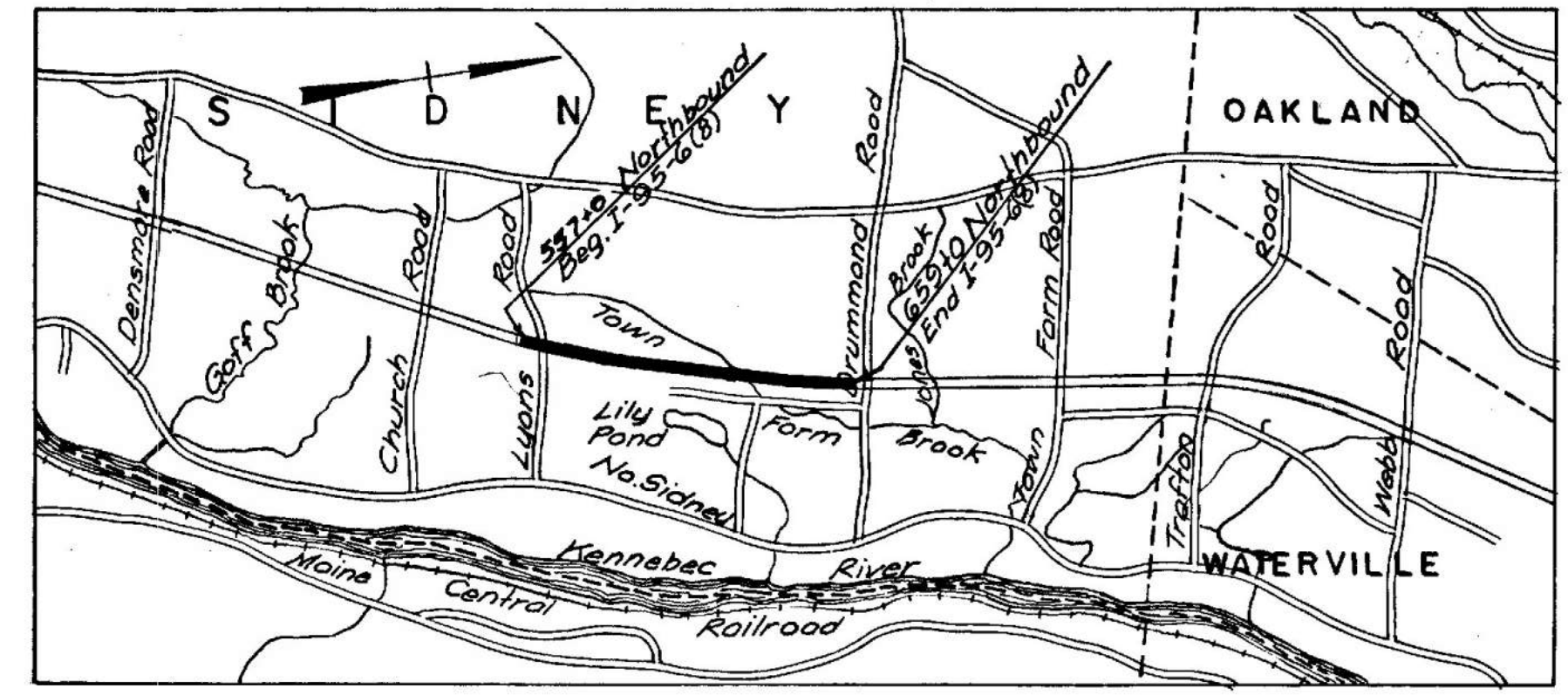
CONVENTIONAL SIGNS	
STATE OR NATIONAL LINE	---
COUNTY LINE	----
TOWN LINE	-----
UNFENCED PROPERTY	-----
FENCE	-----
RIGHT OF WAY LINE	-----
TRAVELED WAY	=====
RAILROAD	-----
RETAINING WALL	-----
SURVEY LINE	-----
CULVERT	-----
DROP INLET	-----
TROLLEY POLE	-----
POWER POLE	-----
TEL. POLE	-----
MARSH	-----
TREES	-----
STONE WALL	-----

INDEX OF SHEETS		
SHEET NO. 1	TITLE PAGE	STA. 557+0 to 659+0 NB
SHEET NO. 2-3	TYPICAL SECTIONS	
SHEET NO. 4	QUANTITIES	
SHEET NO. 5-9	STANDARD DETAILS	
SHEET NO. 11-16	PLAN AND PROFILE	STA. 557+0 to 659+0 NB, Ramps A & B
SHEET NO. 17-97	CROSS-SECTIONS	STA. 557+0 to 659+0 NB, Ramps A & B
SHEET NO. 10	BRIDGES	STA. 623+45 NB, 621+62 SB
SHEET NO.	SPECIAL DETAILS	

*28 10 to 131 Main Seal
9-9-71*



A.D.T. (1960) 7240
 A.D.T. (1980) 9870
 D.H.V. 1481
 D. 65%
 T. 15%
 V. 60



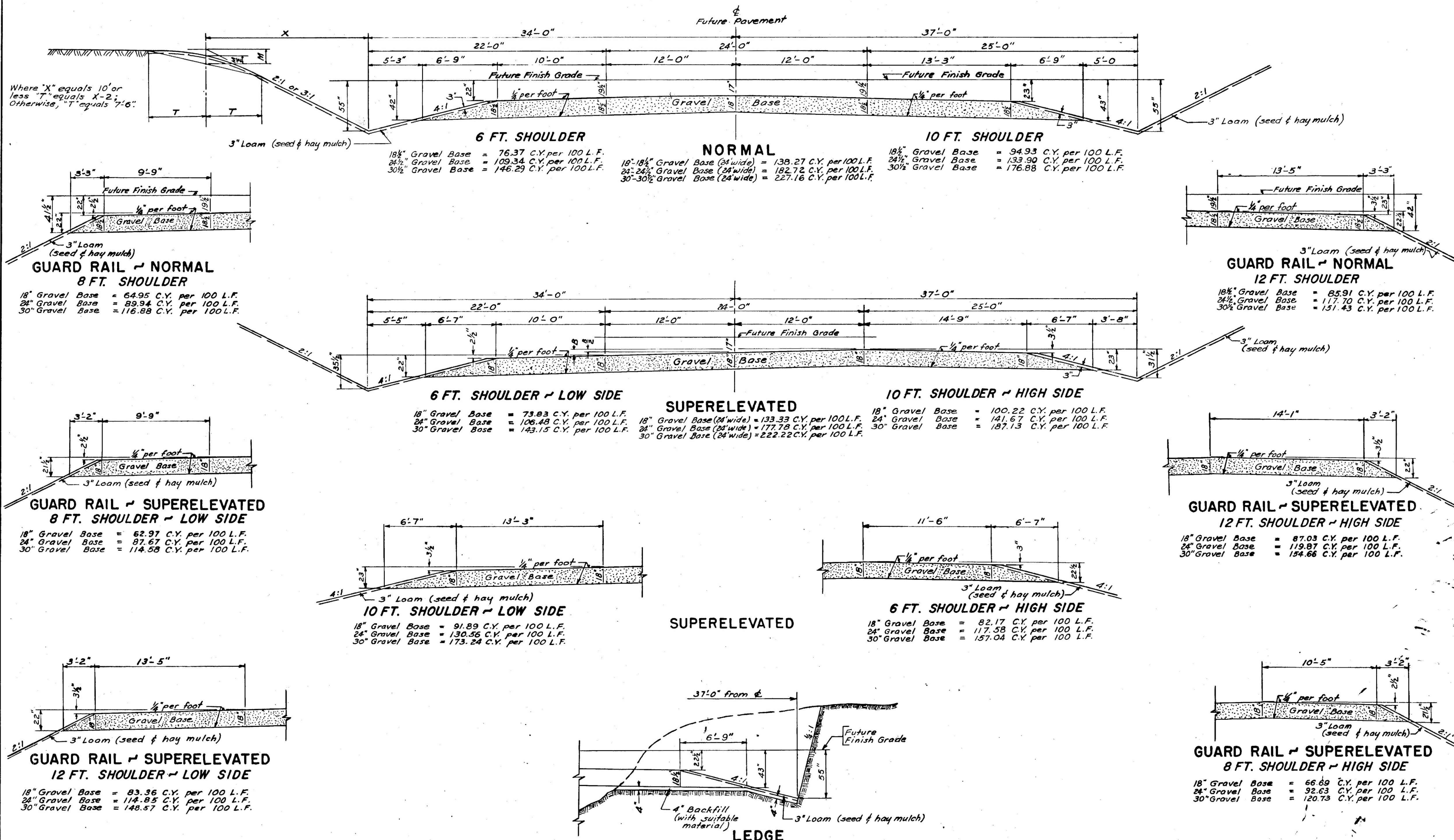
NOTE: -- All work contemplated under this contract to be governed by and in conformity with the Specifications adopted January 1956 except as modified on these plans and in the special provisions.

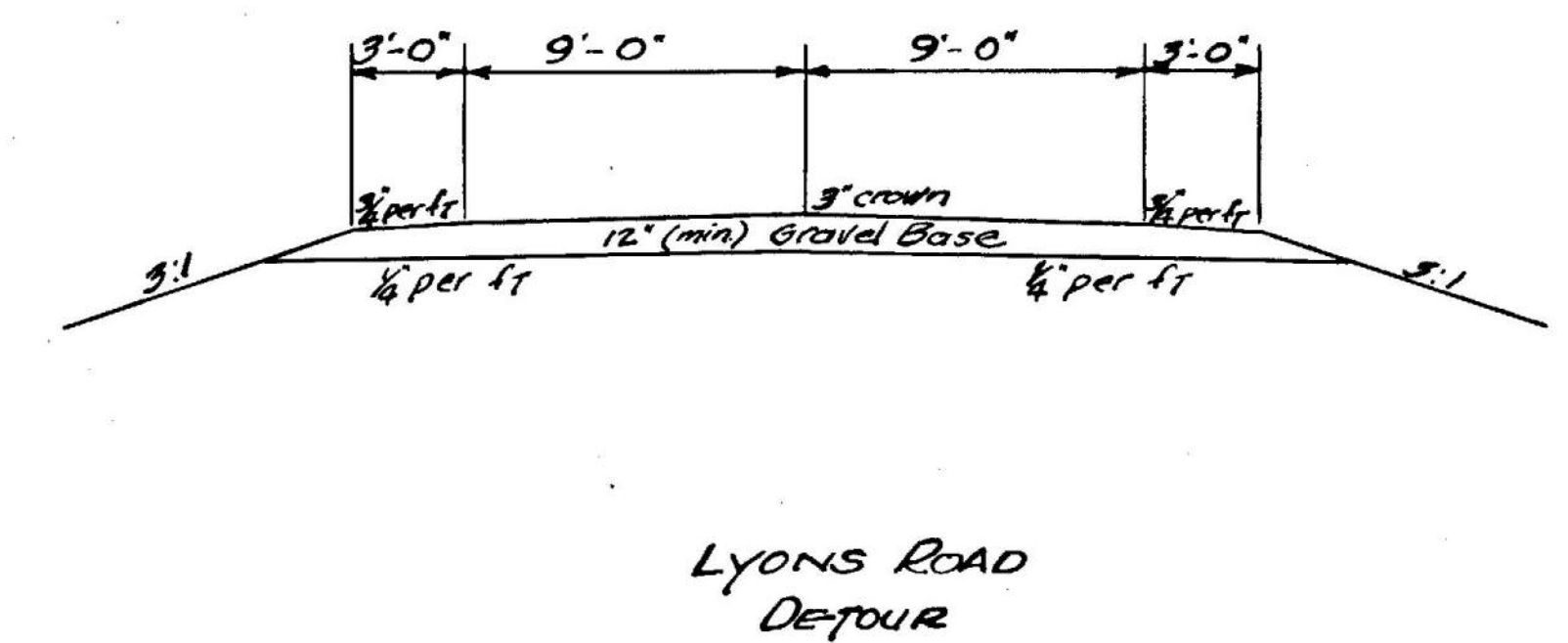
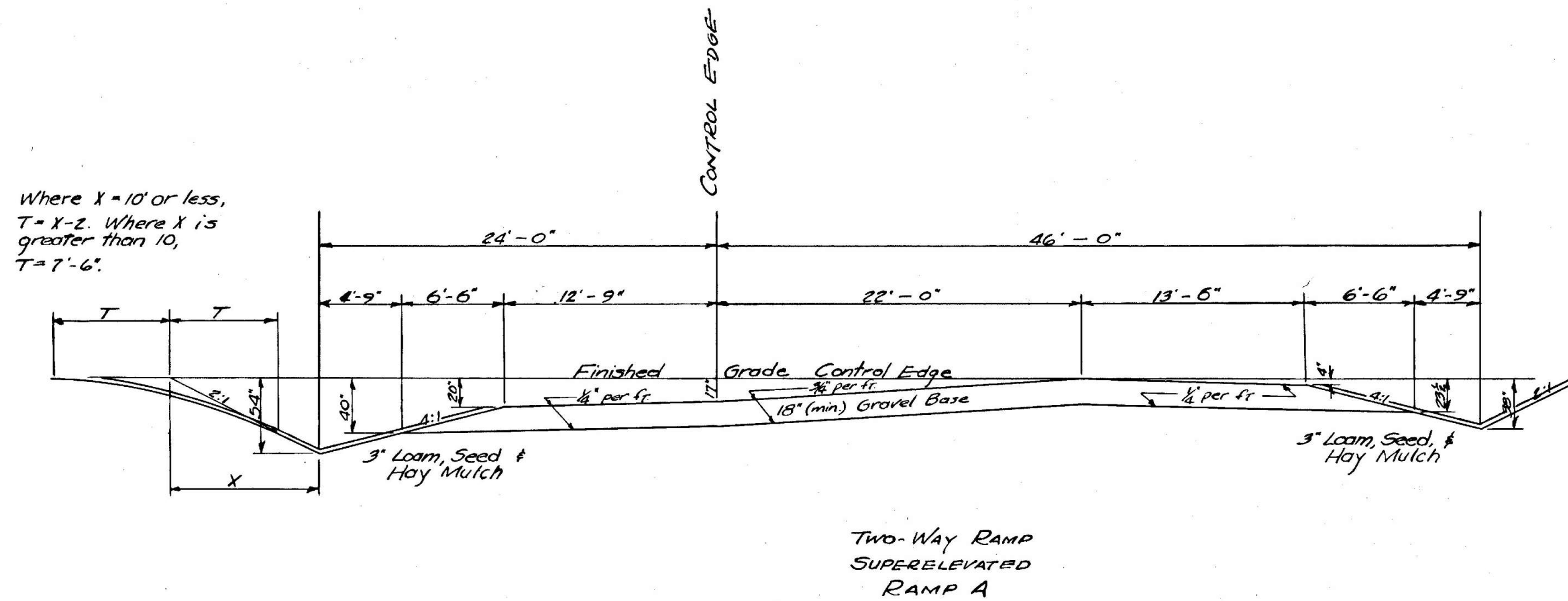
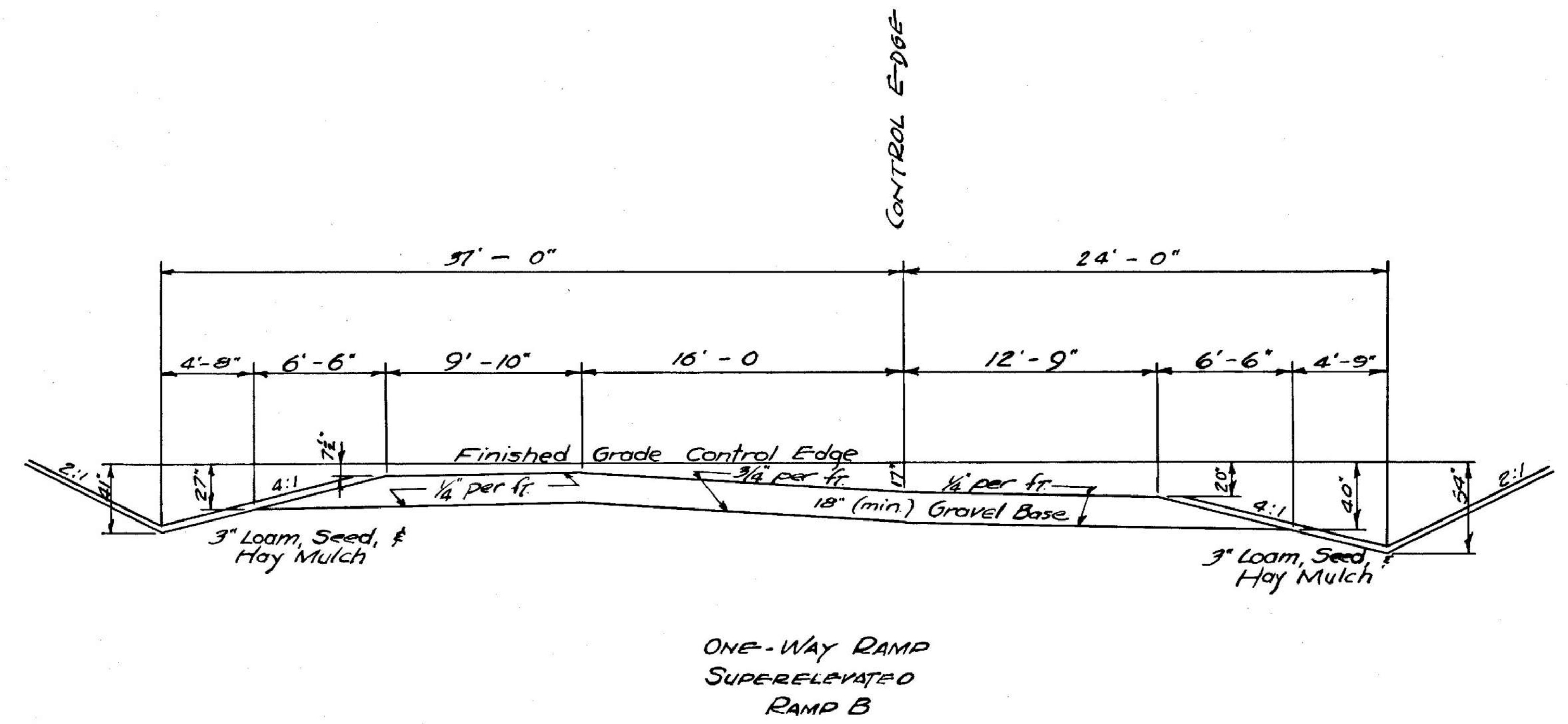
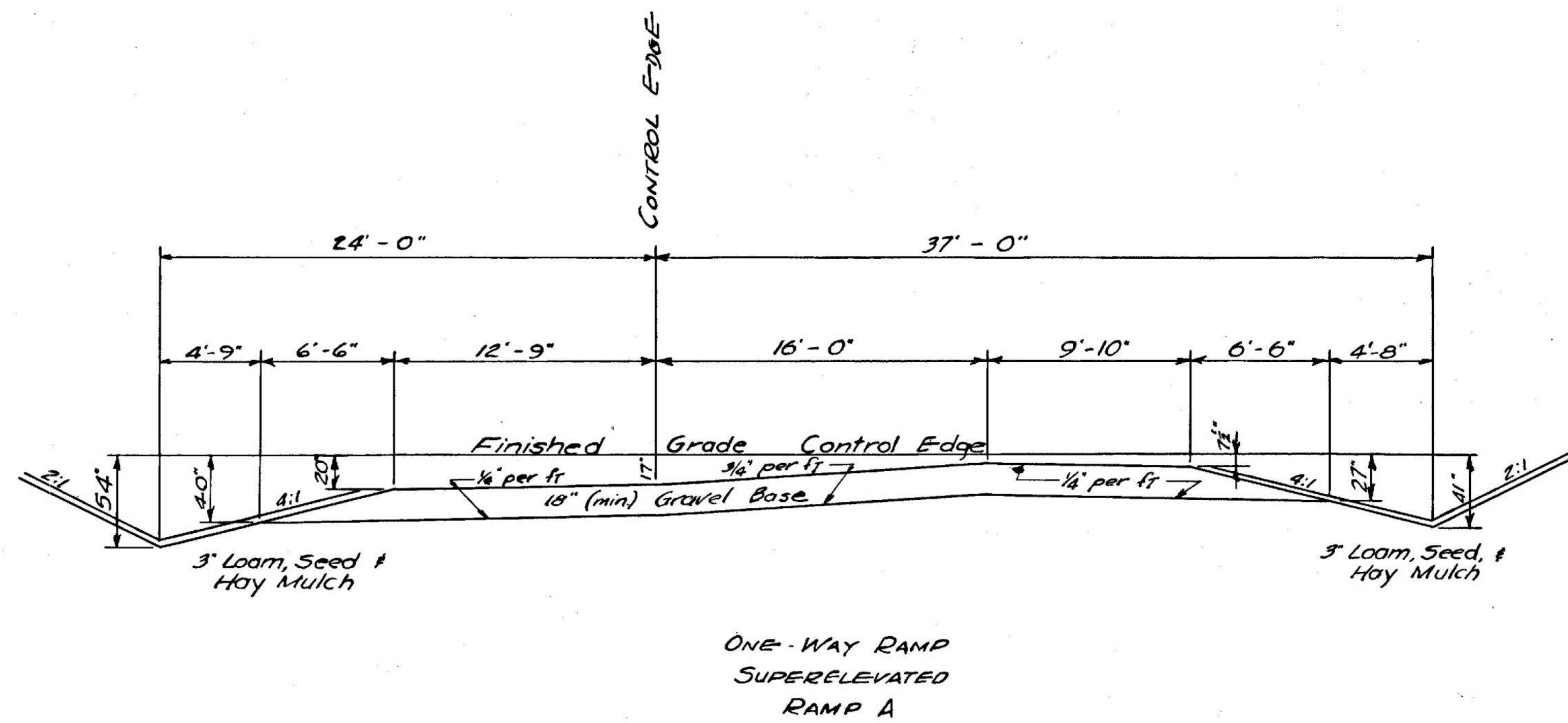
APPROVED:
 MAINE STATE HIGHWAY COMMISSION
David H. Stevens
Raymond L. Williams
Carl J. Williams
 CHIEF ENGINEER

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS
 REGION 1
 APPROVED:
 DIVISION ENGINEER DATE

STAGE CONSTRUCTION = GRADING AND GRAVEL BASE

B. P. R. REGION NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-95-6(8)114	2	97





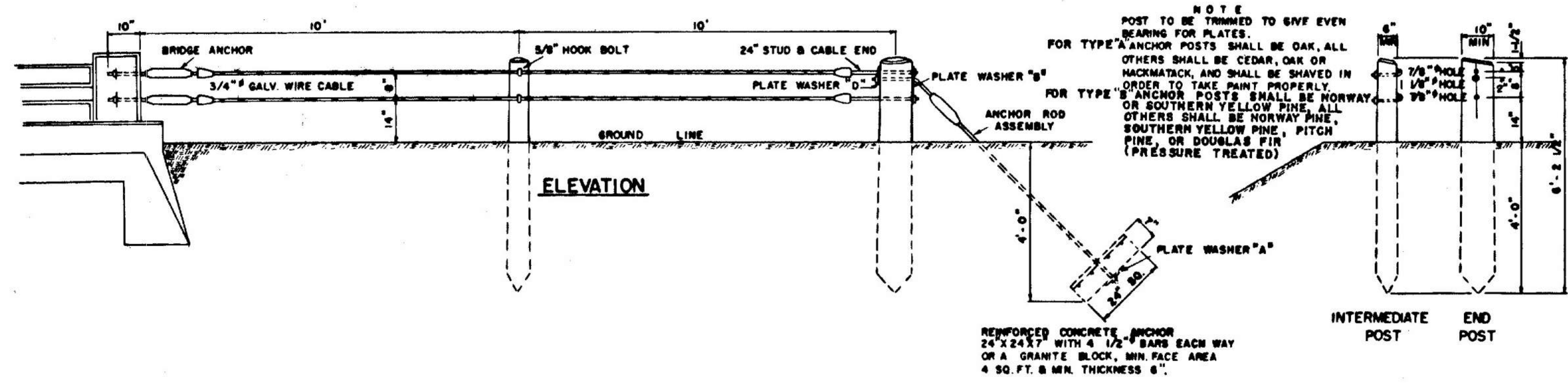
LYONS ROAD
INTERCHANGE
TYPICAL
CROSS-SECTIONS
RAMPS A & B &
DETOUR
SCALE:
HORIZ: 1" = 5'
VERT: 1" = 5'

DRAINAGE

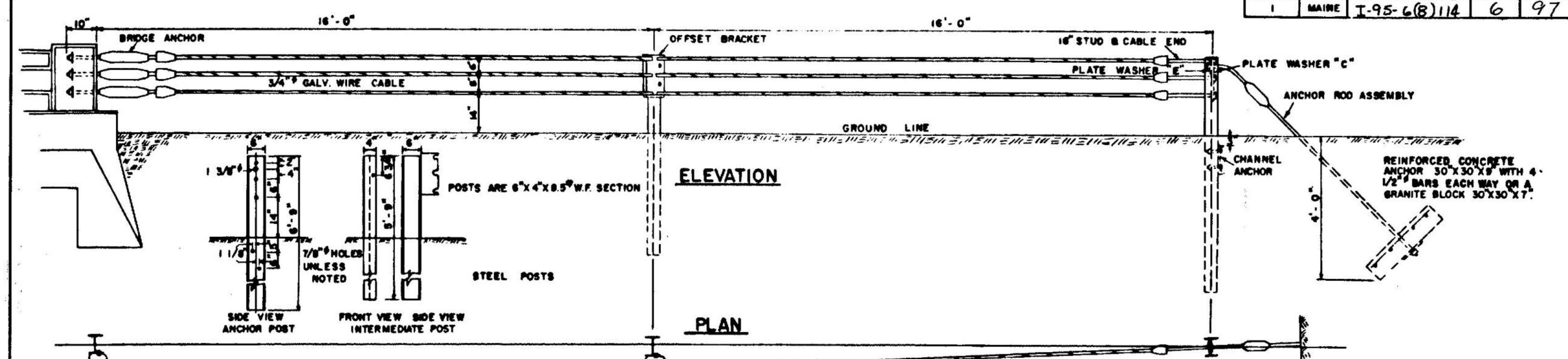
STATION	A.C.C.M.P.		R.C.P.		A.C.C.M.P.		A.C.C.M.P.		C.M.P.		CATCH BASINS				DROP INLETS		MAN - HOLES		UNDERDRAINS				REMARKS		
	LEFT EXTENSION				RIGHT EXTENSION														TYPE		TYPE C				
	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A	B	C	F	G	A	B	A	B	A	B	SIZE		LENGTH	
Northbound																									
560+50	24	14	24	52	24	18																		1 Pipe Connector - 1 Metal E.W.	
572+34	24	20	24	56	24	32																		1 " " -1 " "	
576+42	24	14	24	56	24	16																		1 " " -1 " "	
584+00	24	12	24	52	24	14																		1 " " -1 " "	
599+00	24	12	24	52	24	22																		1 " " -1 " "	
607+00	24	14	24	56	24	22																		1 " " -1 " "	
616+85 Skew 10° Ahd Rt	24	28	24	56	24	36																		1 " " -1 " "	
623+45 Skew 27° 28' Ahd Rt																								136' Structural Plate Pipe Arch	
629+50	24	10	24	56	24	18																		1 Pipe Connector - 1 Metal E.W.	
637+20 Skew 30° Bk Rt	24	16	24	64	24	28																		1 " " -1 " "	
646+50 Skew 30° Ahd Rt	24	16	24	64	24	26																		1 " " -1 " "	
650+20 Skew 30° Ahd Rt	24	26	24	68	24	24																		1 " " -1 " "	
654+15	24	12	24	52	24	32																		1 " " -1 " "	
657+00	24	10	24	52	24	20																		1 " " -1 " "	
Undetermined (Extra)	24	12	24	52	24	20																		1 " " -1 " "	
Southbound																									
560+50	24	14	24	56	24	22																		1 Pipe Connector - 1 Metal E.W.	
572+00	24	10	24	56	24	24																		1 " " -1 " "	
577+00	24	16	24	56	24	22																		1 " " -1 " "	
583+00	24	14	24	48	24	20																		1 " " -1 " "	
614+50	24	18	24	56	24	22																		1 " " -1 " "	
621+62 Skew 26° 25' Ahd Rt																								146' Structural Plate Pipe Arch	
627+00	24	10	24	56	24	16																		1 Pipe Connector - 1 Metal E.W.	
637+30	24	12	24	56	24	20																		1 " " -1 " "	
643+30	24	12	24	56	24	18																		1 " " -1 " "	
648+50	24	10	24	64	24	18																		1 " " -1 " "	
653+10	24	12	24	56	24	16																		1 " " -1 " "	
Undetermined (Extra)	24	12	24	52	24	20																		1 " " -1 " "	
Ramp A																									
7+50	18	10	18	44	18	12																		1 Pipe Connector - 1 Metal E.W.	
Detour																									
21+75 Lyons Road							30	50		15	150													One 36' Pipe in each	
Undetermined																								Main Line Ditch	
Undetermined Location																									
Undetermined Location																									

ESTIMATED QUANTITIES

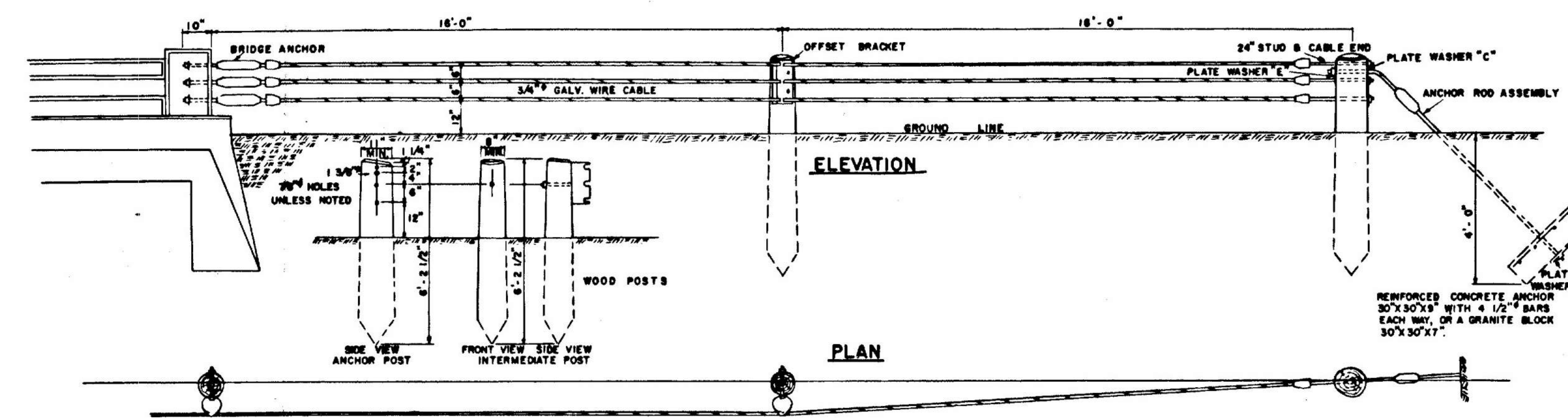
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201-5	Clearing	27	Acres
202-5	Removing Trees (9"-24")	4	Each
202-6	" " (over 24")	4	"
203-9	Earth Excavation	110,000	Cu Yds
203-10	Rock	8,000	"
203-12	Muck	5,500	"
204-10	Structural Earth Excavation - Drainage	5,500	"
204-11	Rock	700	"
205-8	Common Borrow	22,000	Cu Yds
205-9	Granular	26,000	"
302-7	Gravel Base Course - In Place Measurement	78,000	Cu Yds
	" for Foundations	500	"
302-13	Washing Gravel Base	78,000	"
308-5	Overhaul (In Place Measure)	78,000	Yd. Mi.
309-5	Stripping Pits	6,600	Cu Yds
310-6	Sprinkling	75	Units
311-6	Calcium Chloride	25	Tons
601-11	15 in. Corrugated Metal Pipe	150	Lin. Ft.
602-12	18 in. Asphalt Coated Corrugated Metal Pipe	24	"
602-14	24 in. " " " " " "	950	"
602-15	30 in. " " " " " "	52	"
603-12	18 in. Reinforced Concrete Pipe	52	"
603-13	24 in. " " " " " "	1,600	"
605-24	Catch Basins, Type "F"	1	Each
605-25	" " Type "G"	1	"
606-10	Underdrain, Type "B"	5,000	Lin. Ft.
606-16	" Outlets	300	"
607-7	Metal Endwalls for 18 in. Pipe	1	Each
607-8	" " " 24 in. Pipe	25	"
704-16	9 Ft. - 6 in. Span, 6 Ft. - 5 in. Rise, Structural Plate Pipe Arch	282	Lin. Ft.
806-5	Cut Slope Drains	750	Lin. Ft.
906-18	Fencing - Metal Posts (Galvanized)	20,000	Lin. Ft.
907-10	Hand Laid Rip-rap	200	Cu Yds
908-3	Loam Excavation	11,000	"
909-7	Sodding	7,200	Sq. Yds
910-9	Seeding - Roadside Mixture	1,200	Units
912-6	Hay Mulch	110	Tons
914-6	Project Markers	2	Each
915-6	Right of Way Monuments	26	"
916-6	Underdrain Outlet Markers	10	"
929-10	Portable Barricades	4	Each



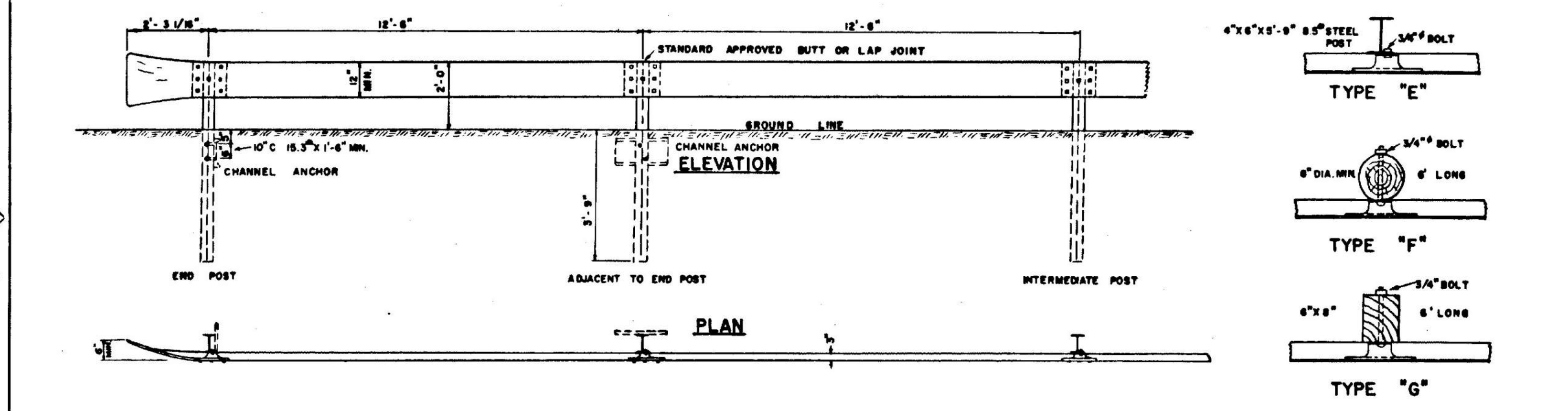
GUARD RAIL TYPE "A" & "B"



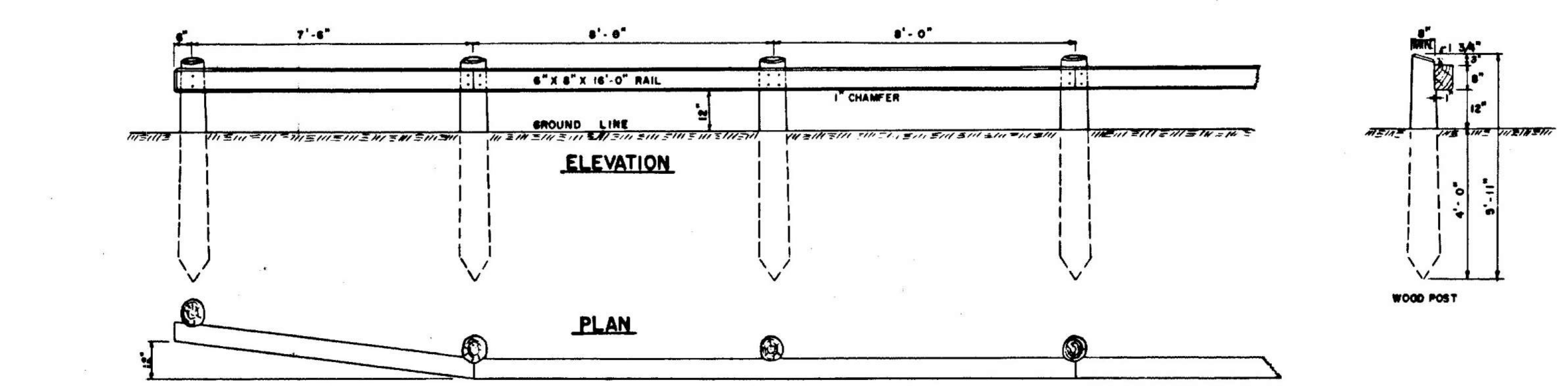
GUARD RAIL TYPE "C"



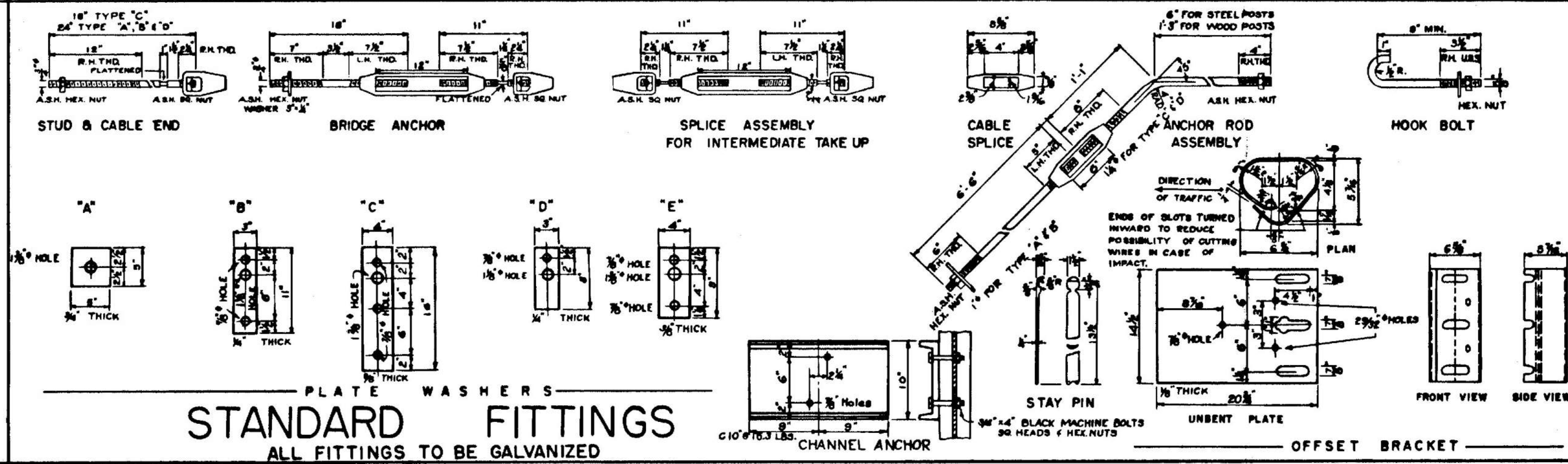
GUARD RAIL TYPE "D"



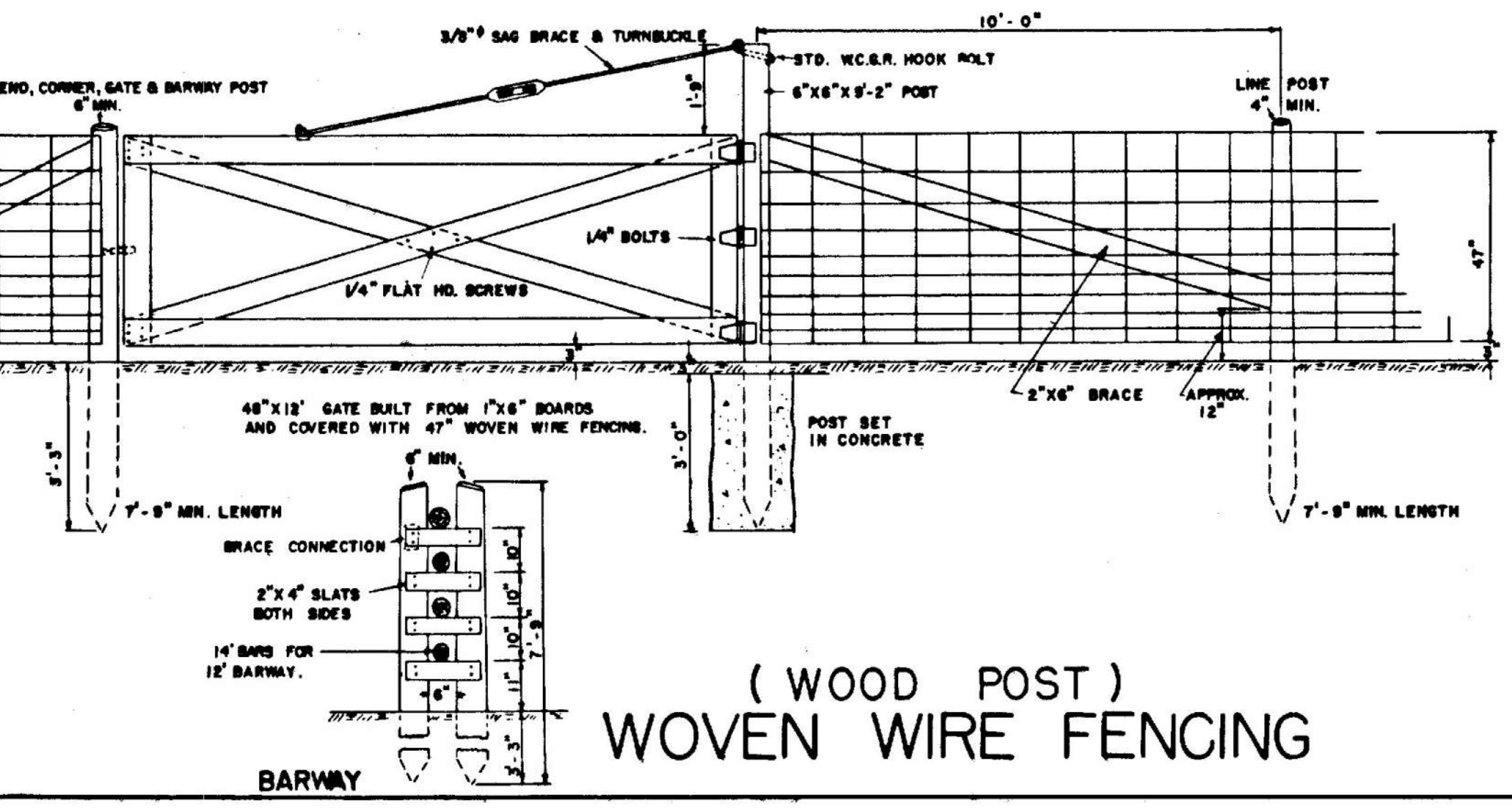
GUARD RAIL TYPE "E", "F" & "G"



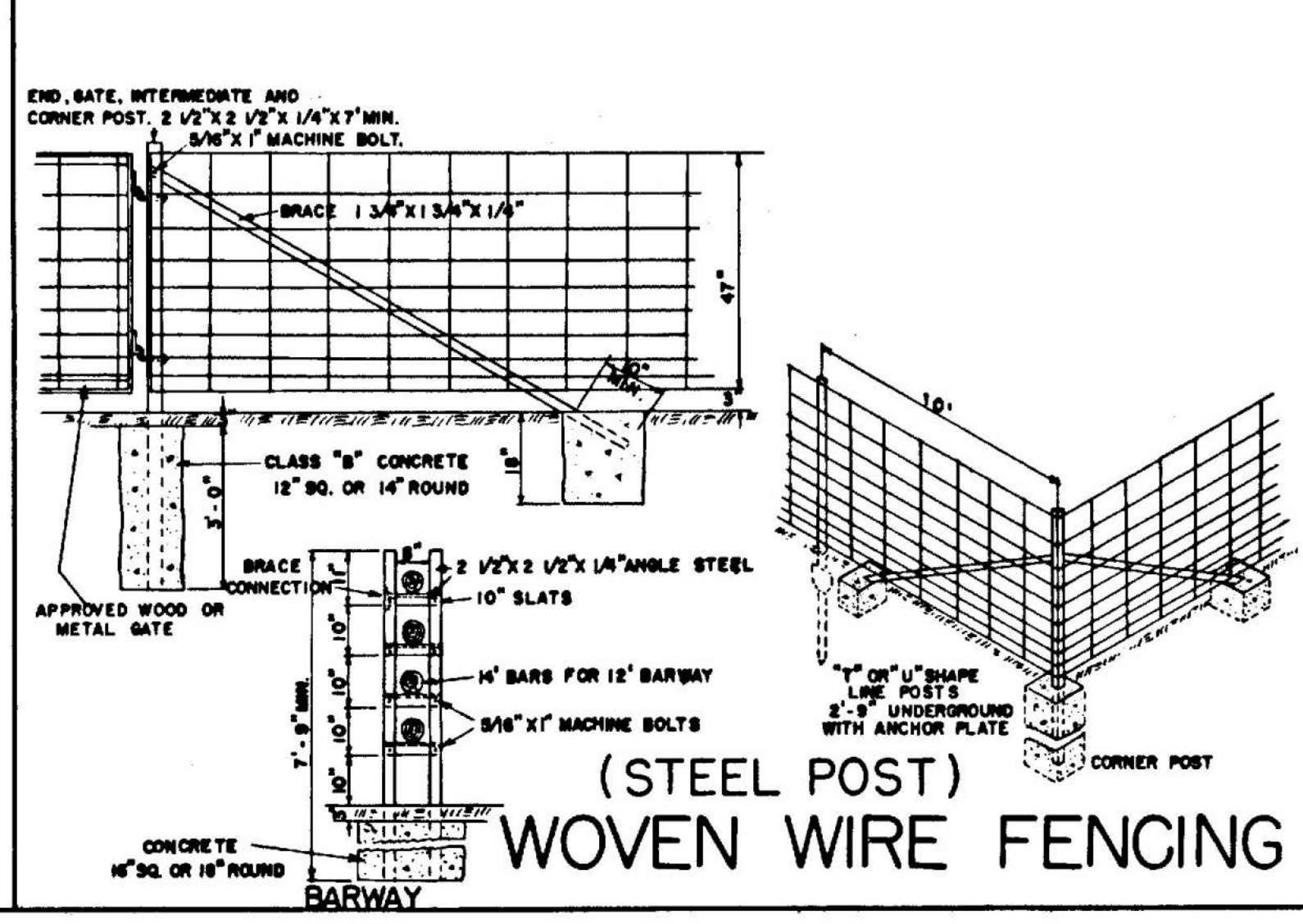
GUARD RAIL TYPE "H"



STANDARD FITTINGS

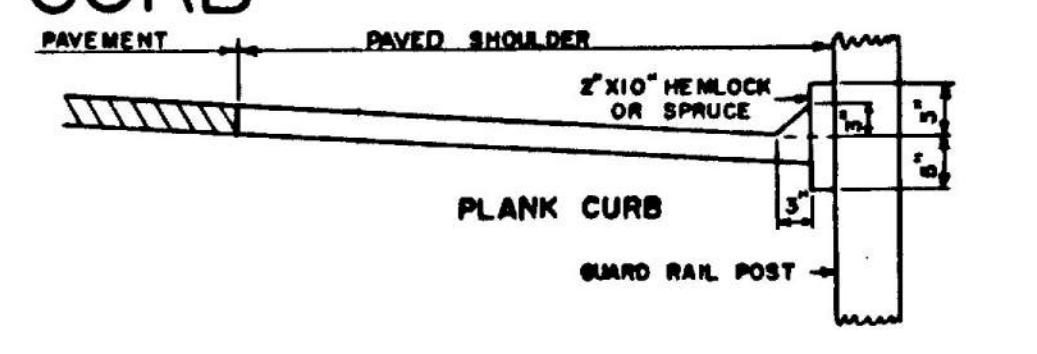
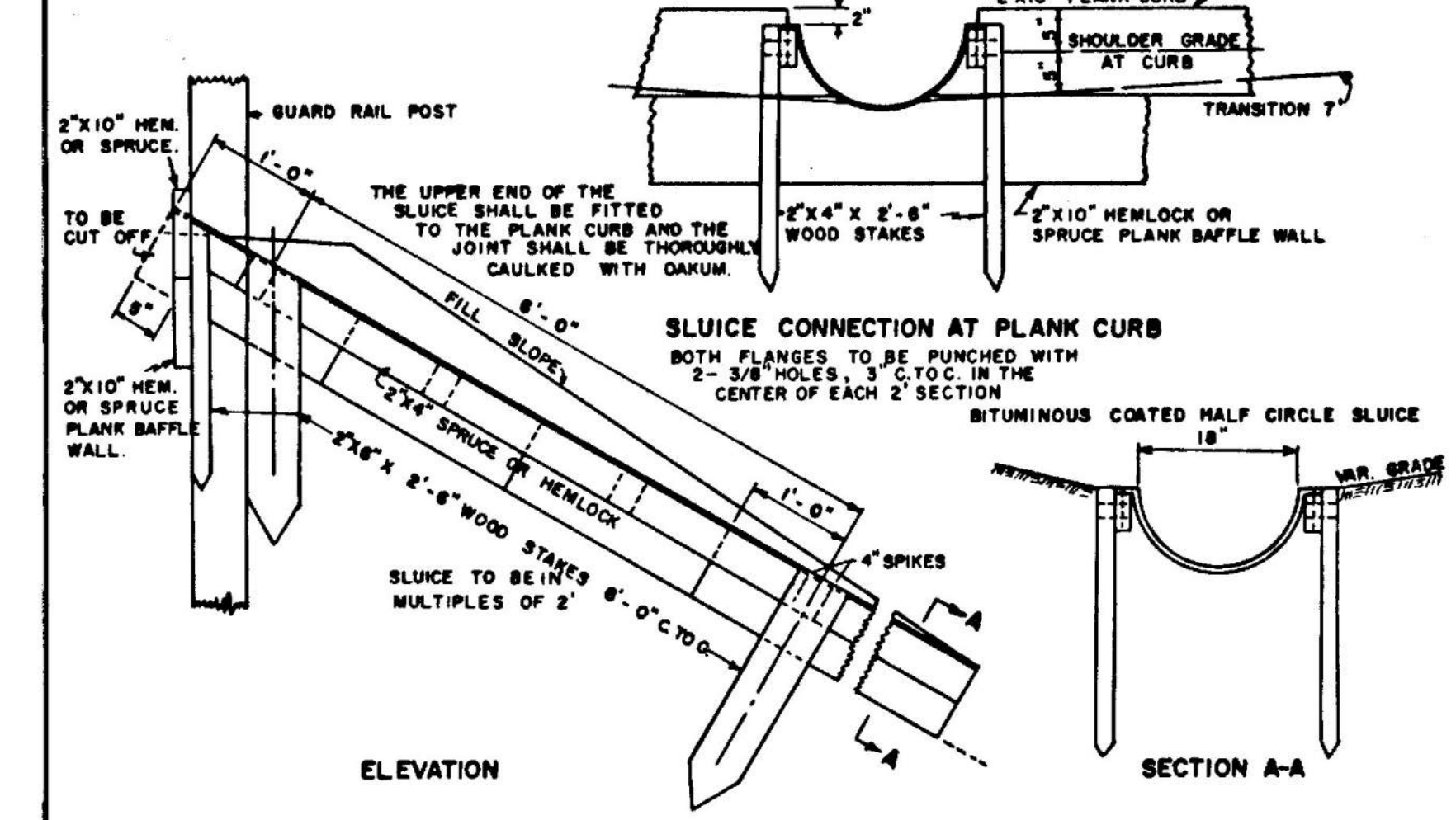


(WOOD POST)
WOVEN WIRE FENCING



(STEEL POST)
WOVEN WIRE FENCING

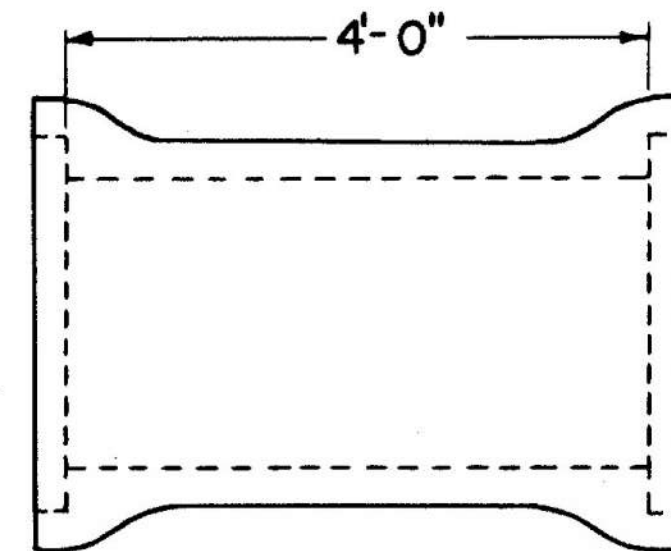
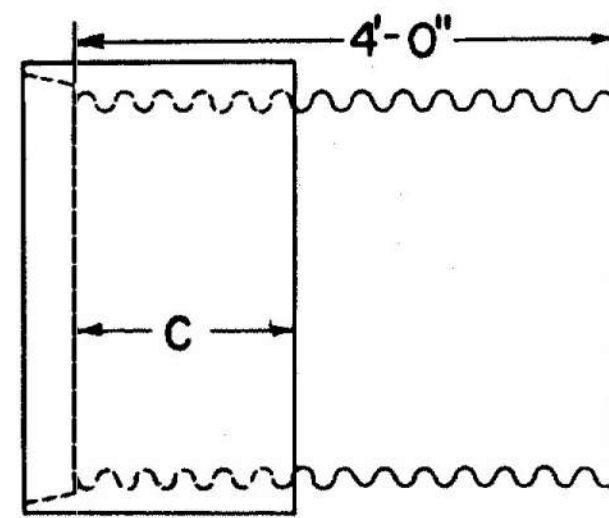
METAL SLUICE AND PLANK CURB



MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS
GUARD RAIL & FITTINGS
WIRE FENCING, METAL SLUICE
AND PLANK CURB

PIPE CONNECTIONS



GROOVE END COMBINATION
For 30" to 72" inclusive, diameter connection
between concrete and metal pipe

**REINFORCED CONCRETE PIPE CONNECTOR
DOUBLE BELL**

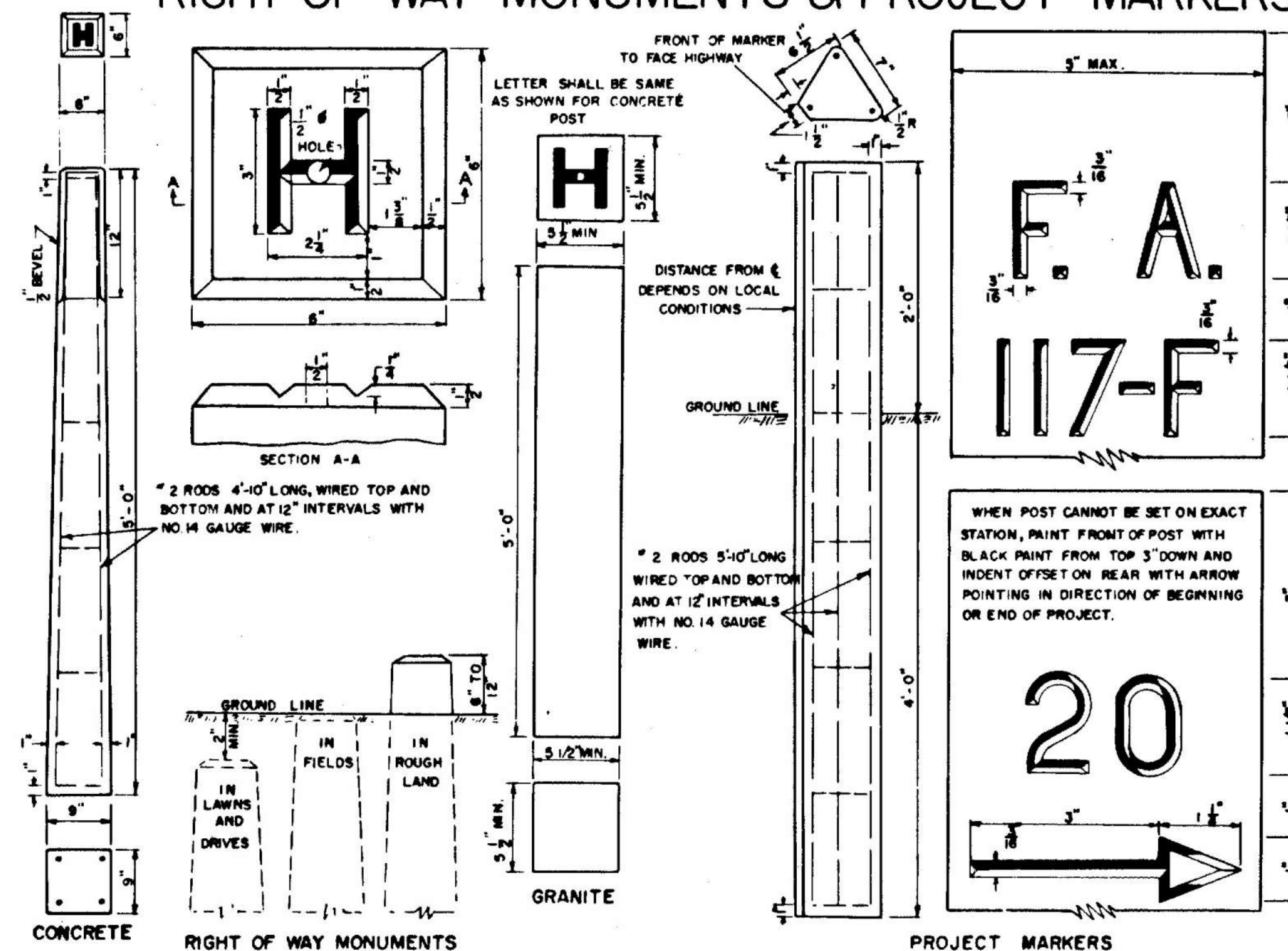
"C" = 17" min. for sizes 30" to 48" incl.
"C" = 23" min. for sizes over 48"

For 12" to 24" inclusive, diameter connection
between concrete and metal pipe

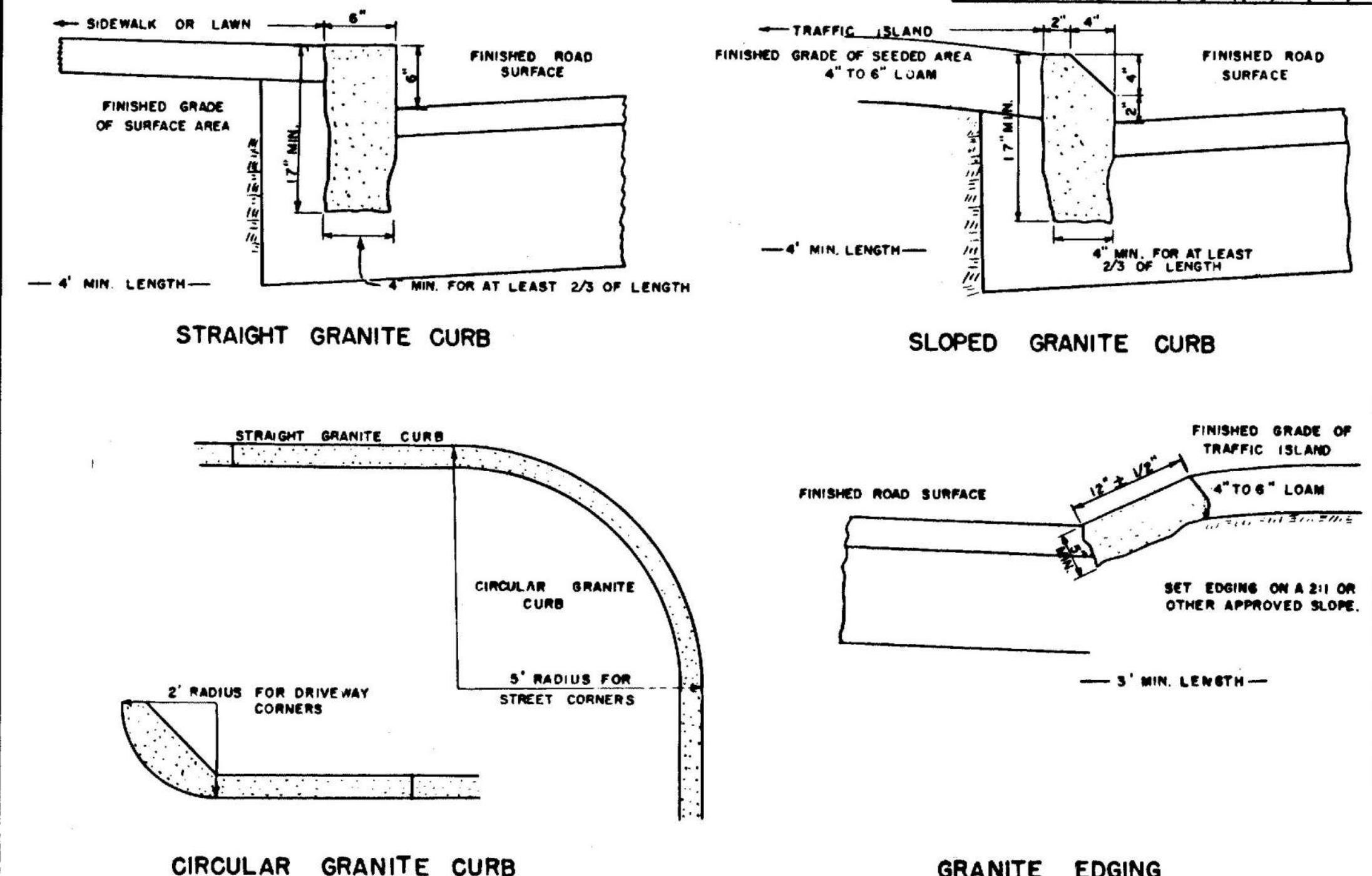
Asphalt coated corrugated metal pipe
shall conform to the latest
standard specifications

Reinforced concrete pipe shall
conform to the latest standard
specifications

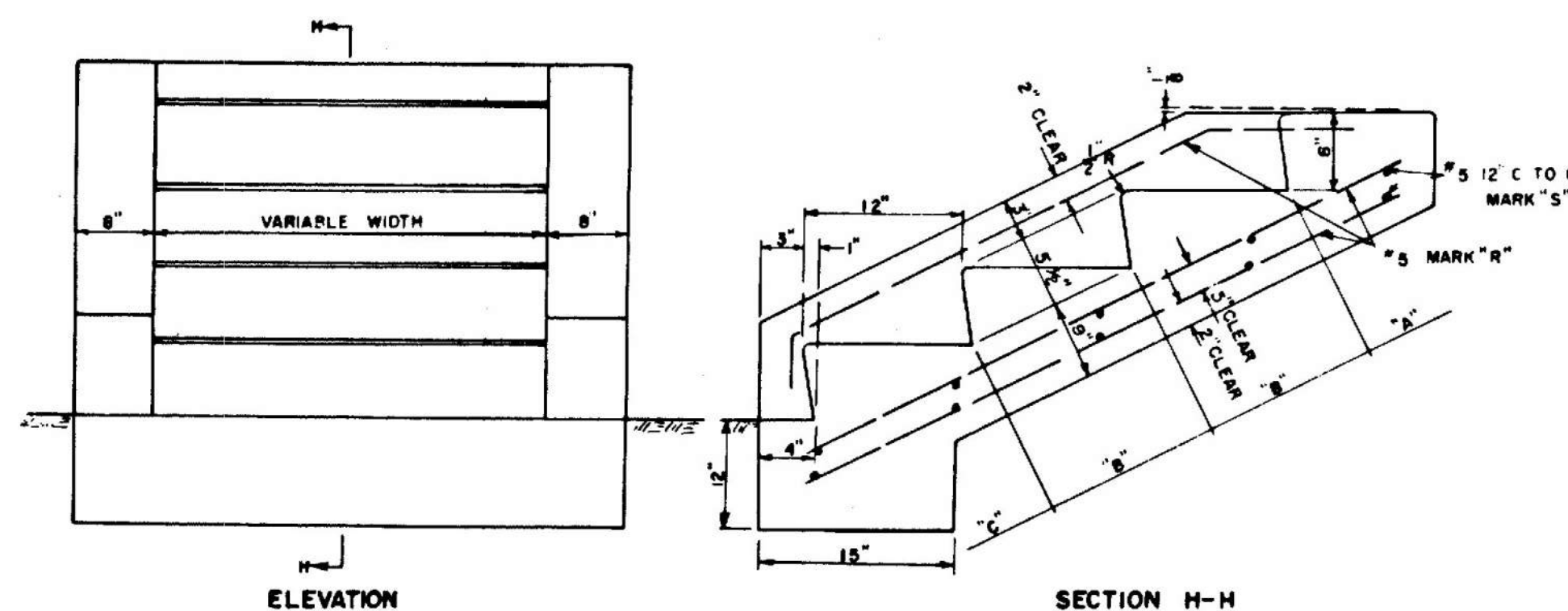
RIGHT OF WAY MONUMENTS & PROJECT MARKERS



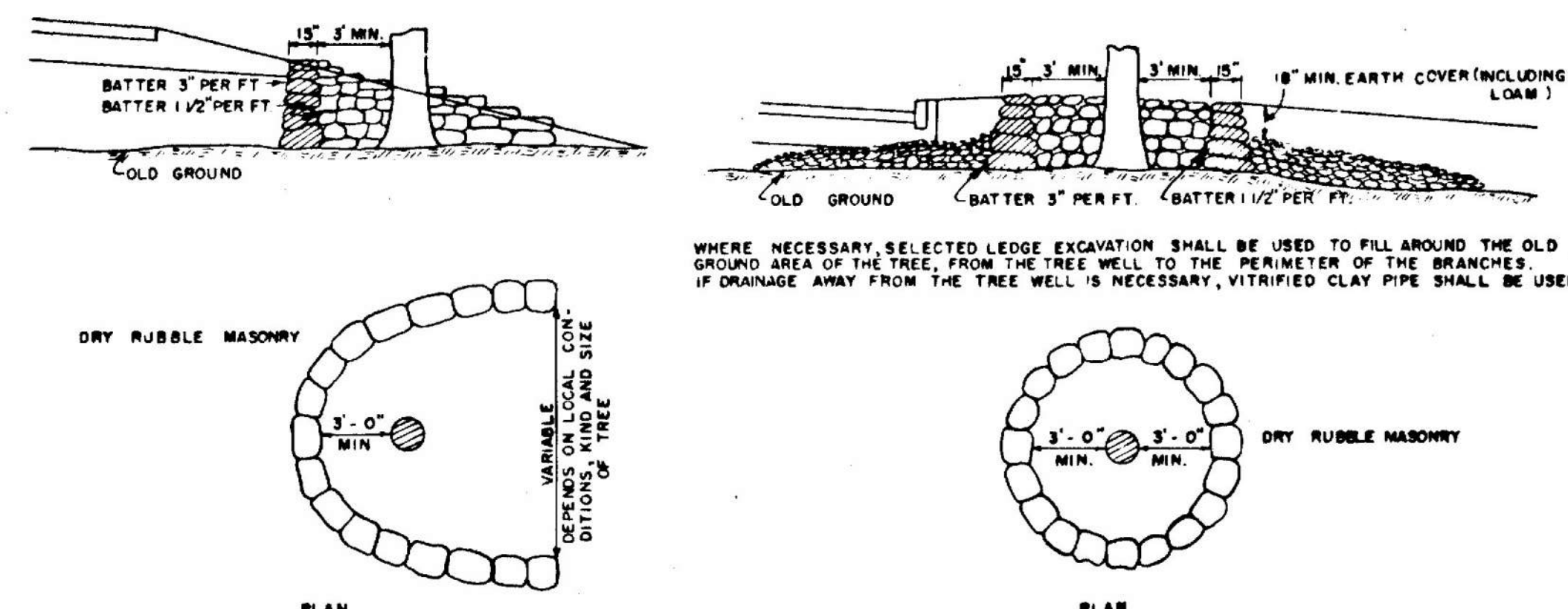
GRANITE CURB & EDGING



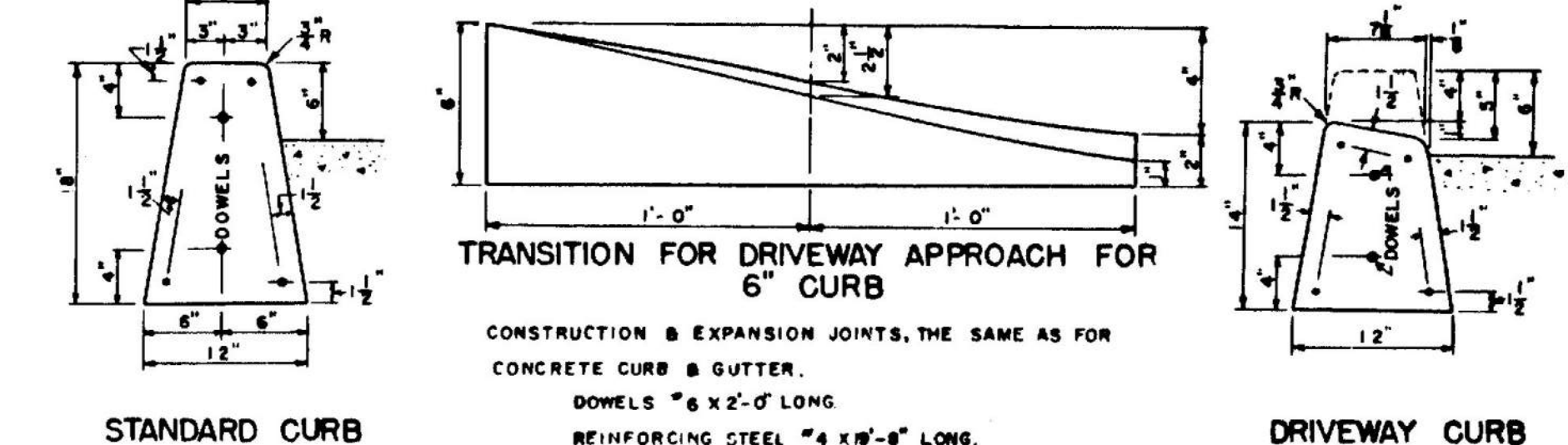
CONCRETE STEPS



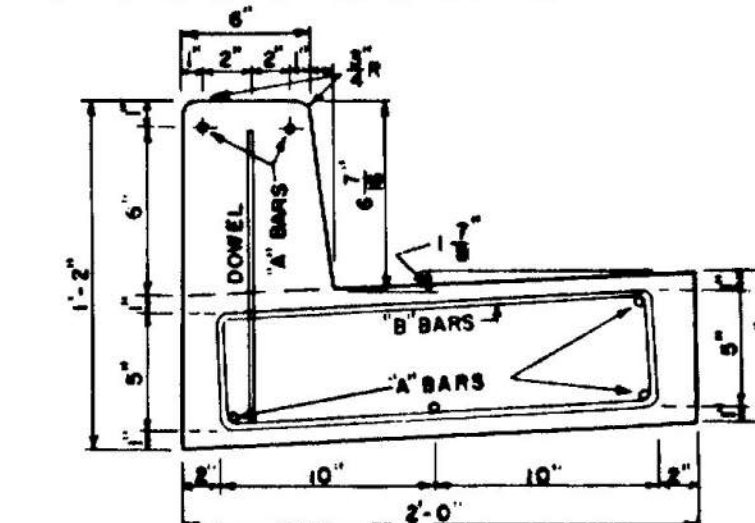
TREE WELLS



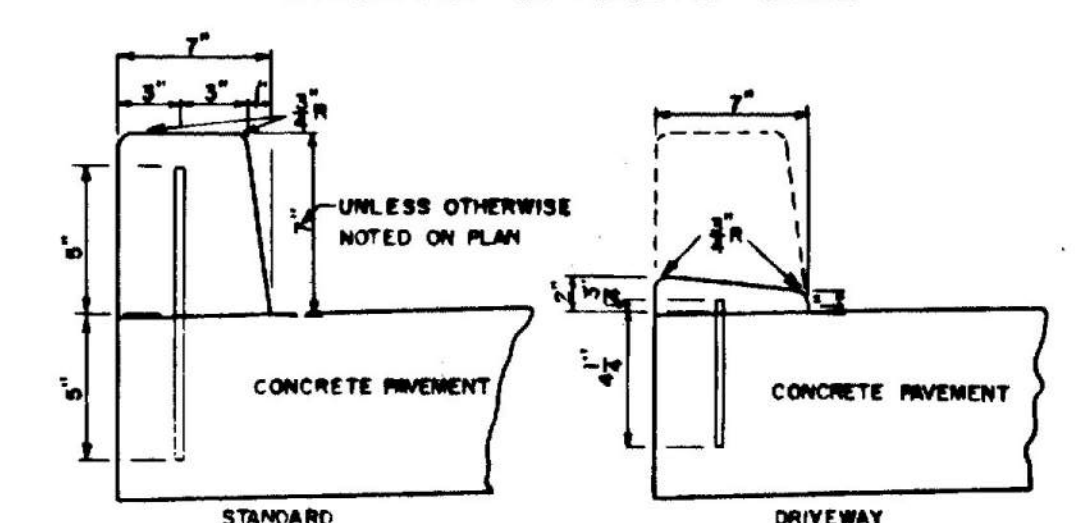
CONCRETE CURB



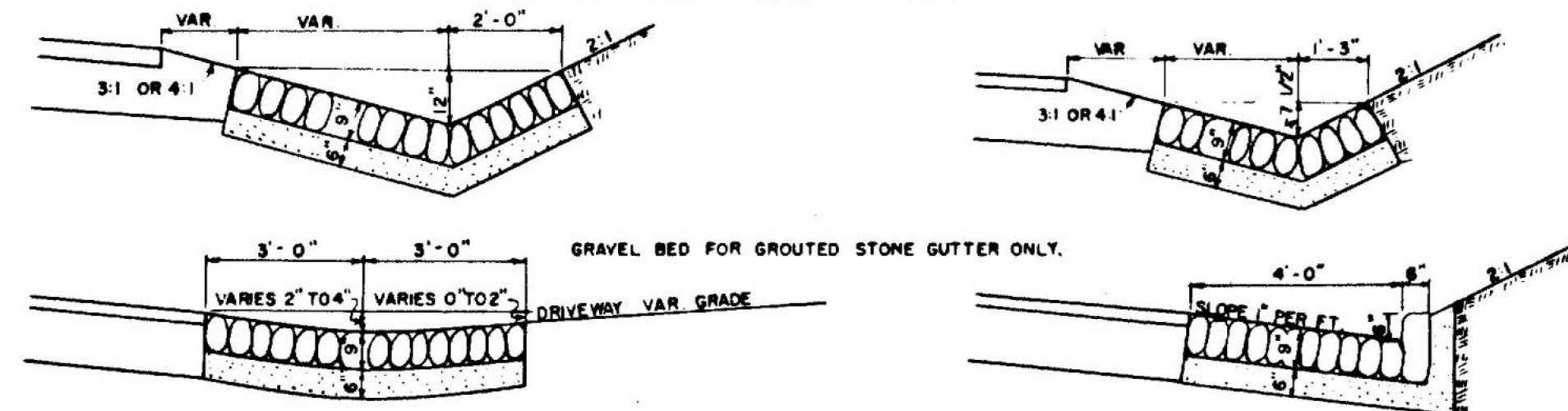
CONCRETE CURB & GUTTER



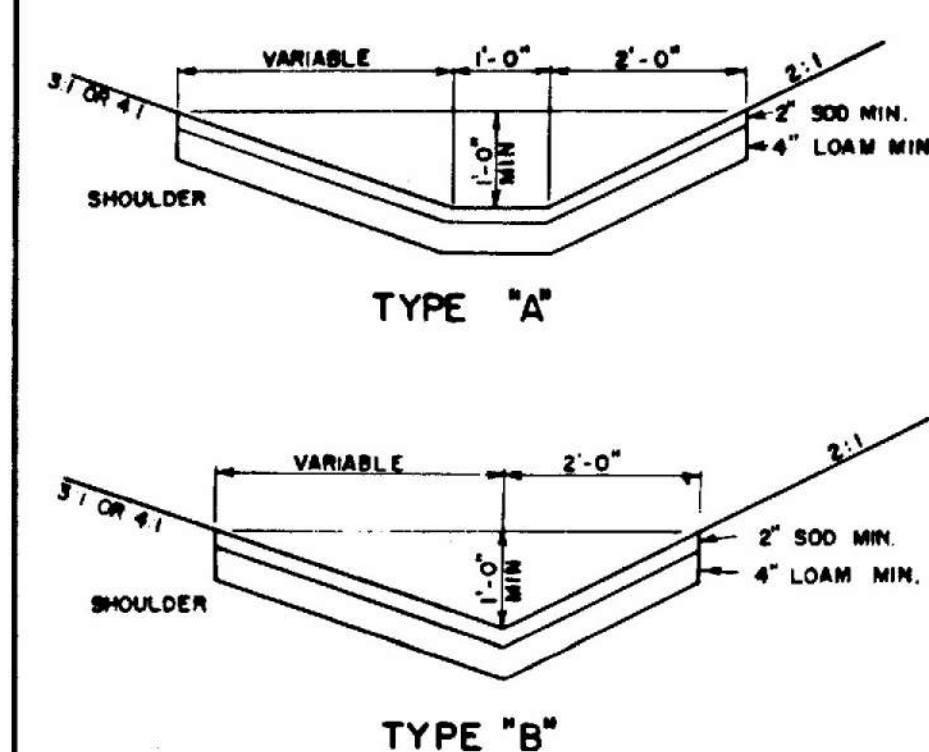
INTEGRAL CONCRETE CURB



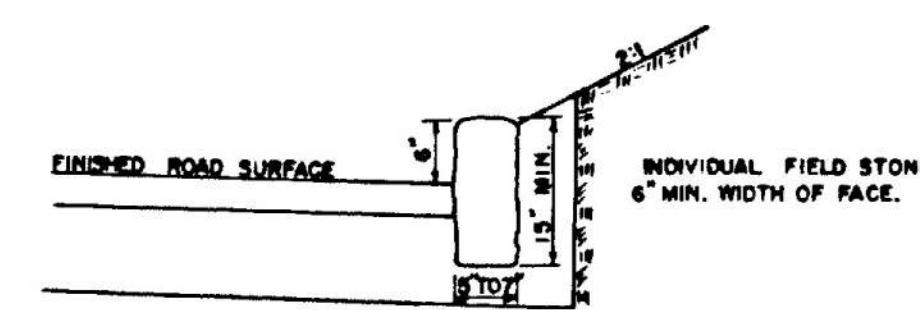
STONE GUTTER



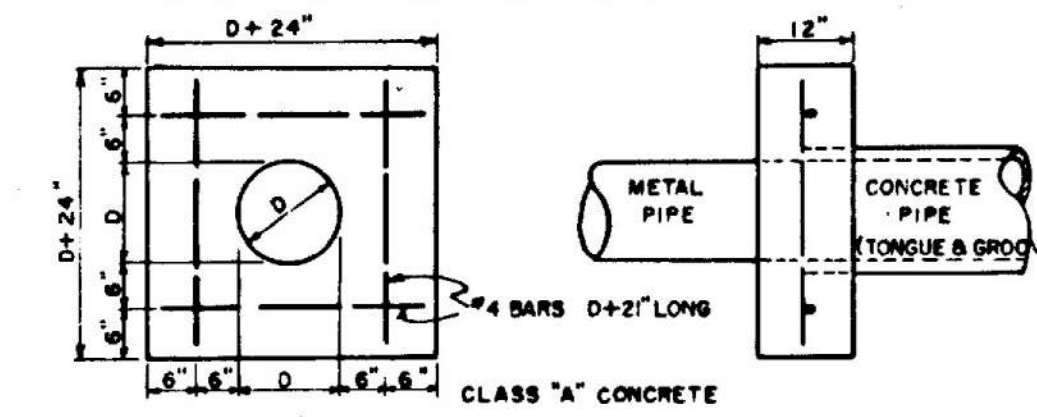
SODDED GUTTER



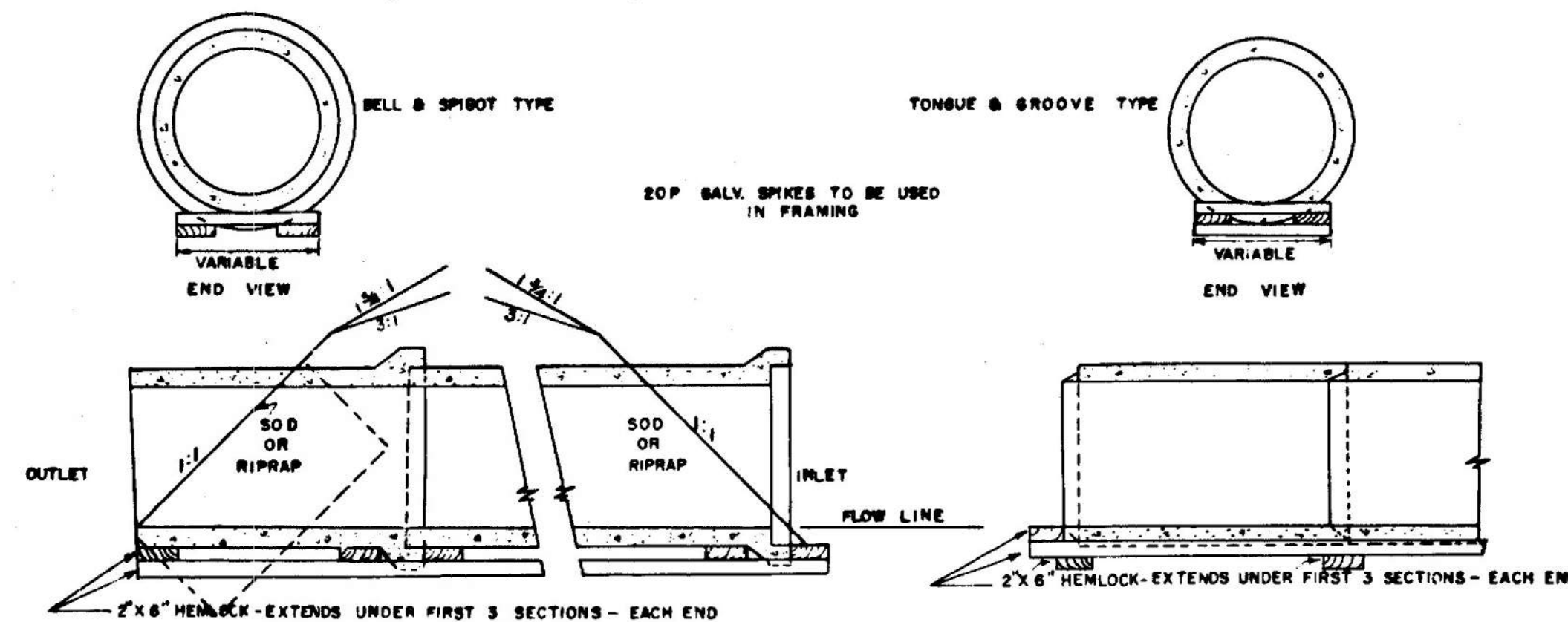
FIELD STONE CURB



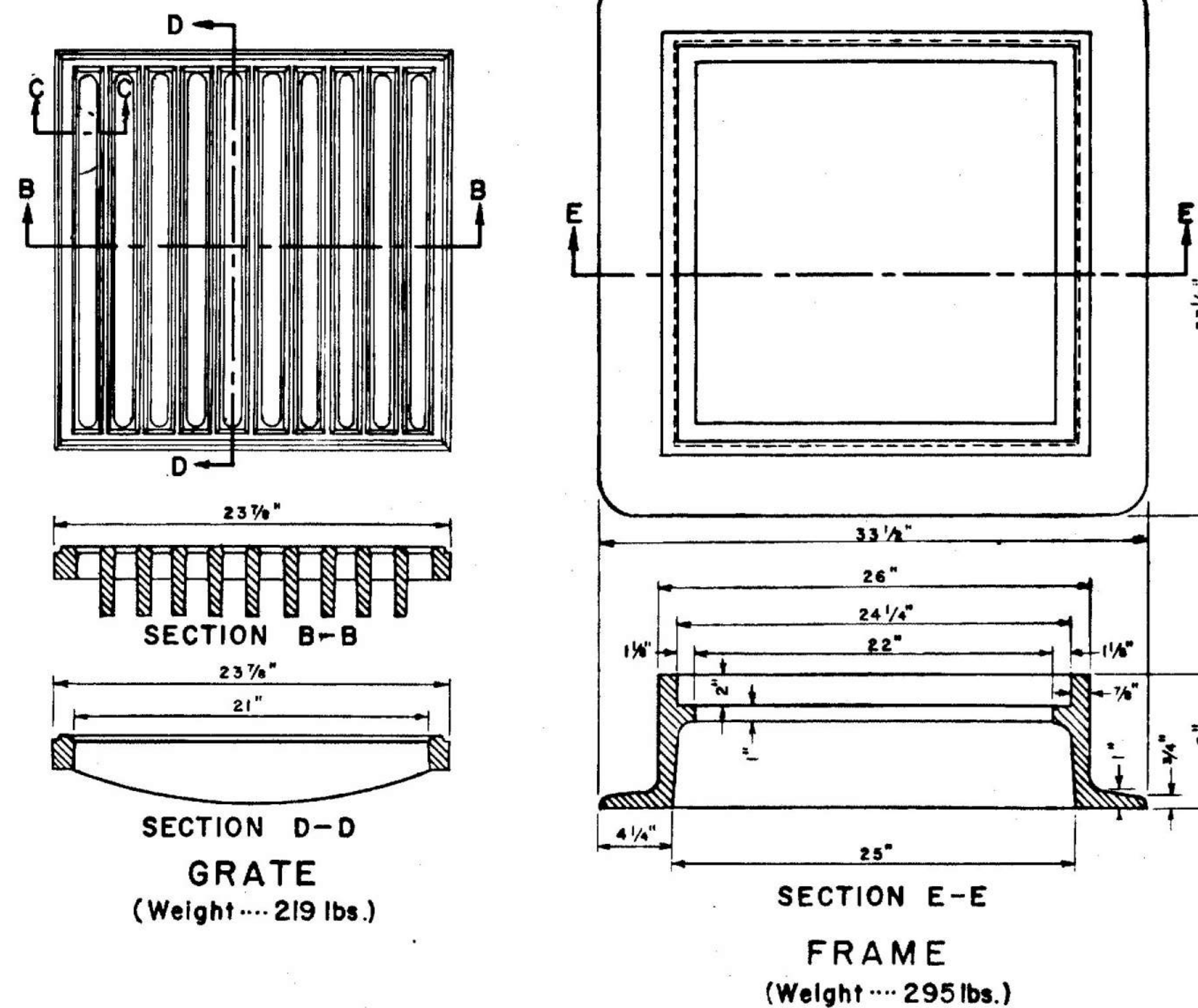
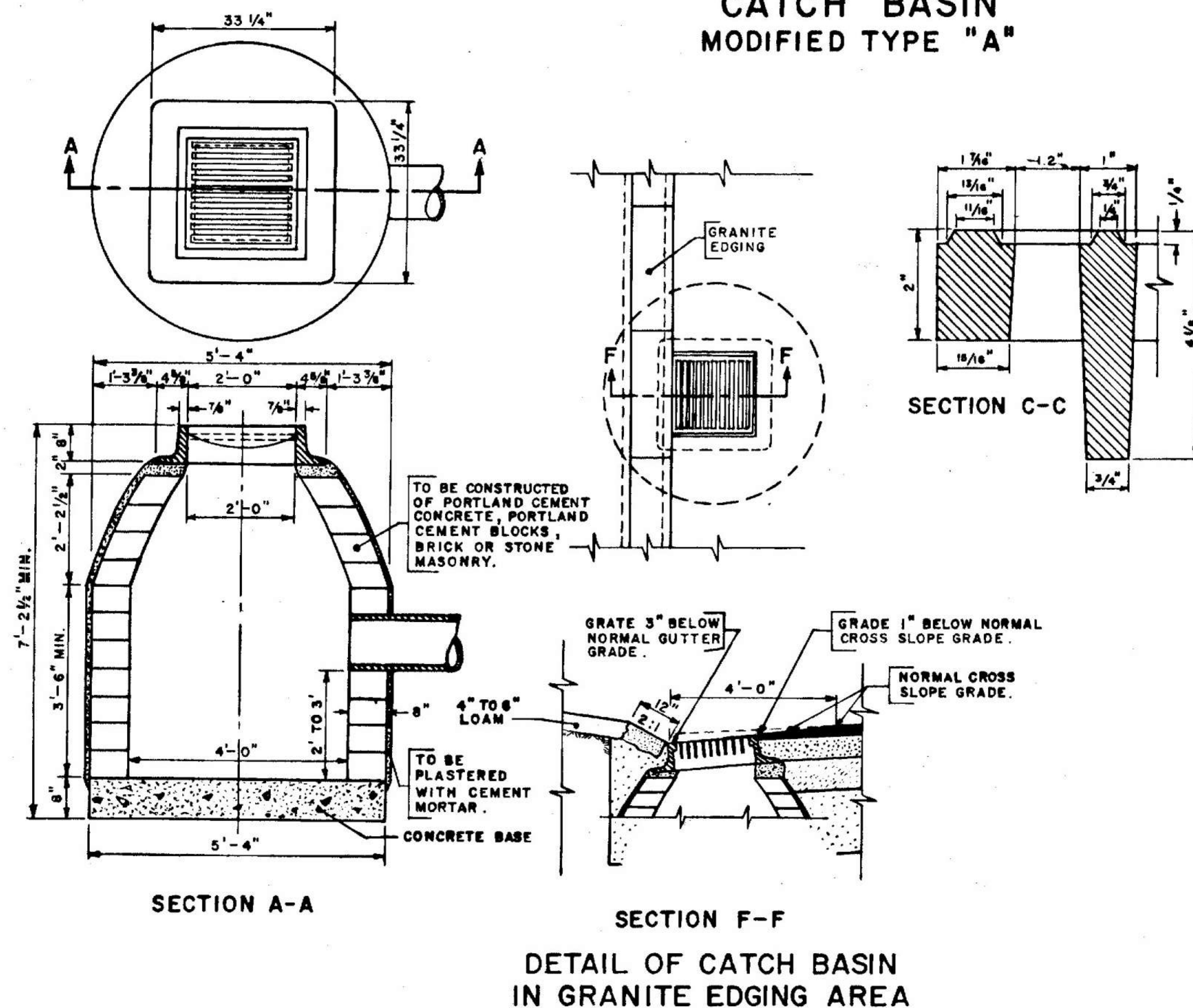
CONCRETE COLLAR



CONCRETE PIPE CRADLE



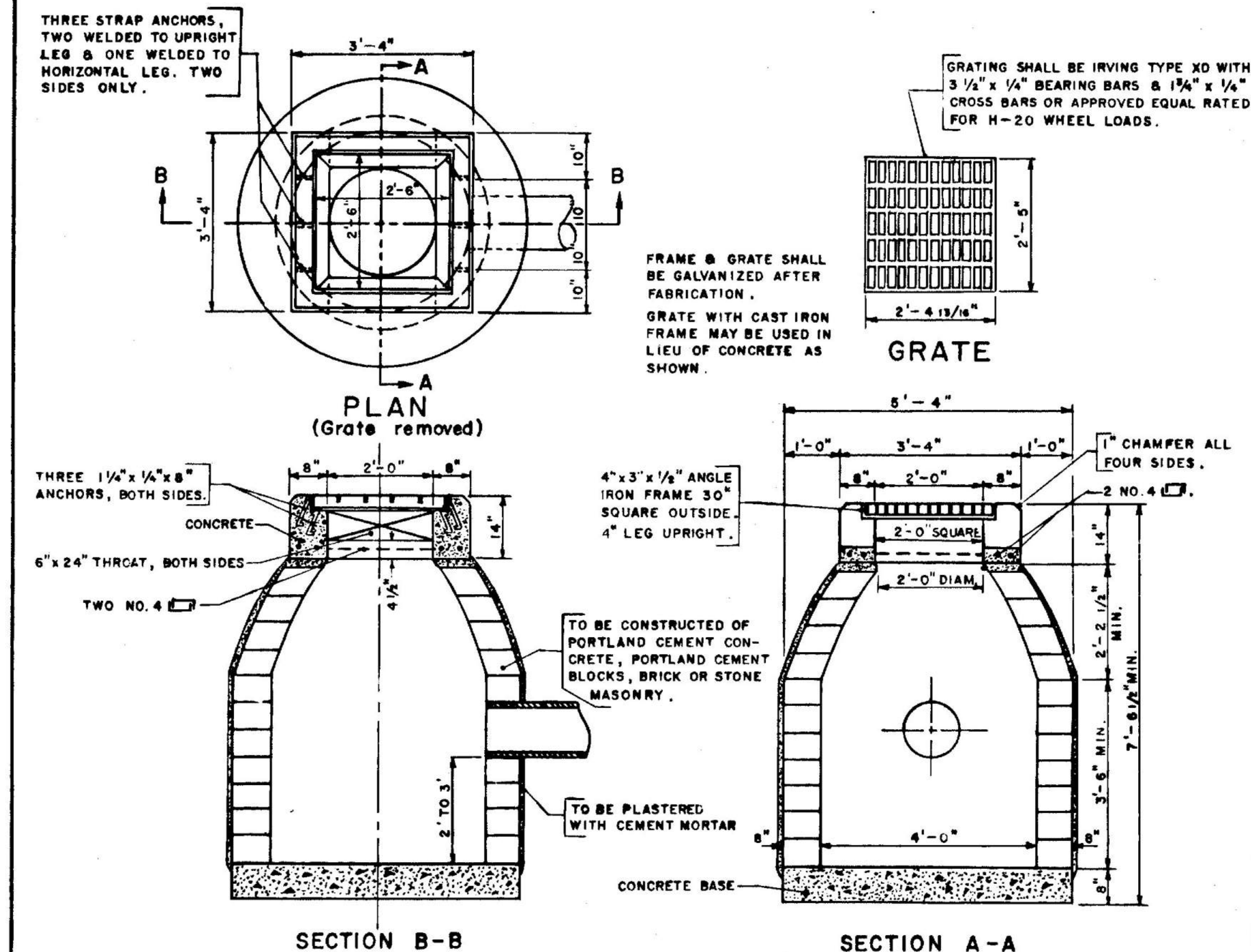
CATCH BASIN MODIFIED TYPE "A"



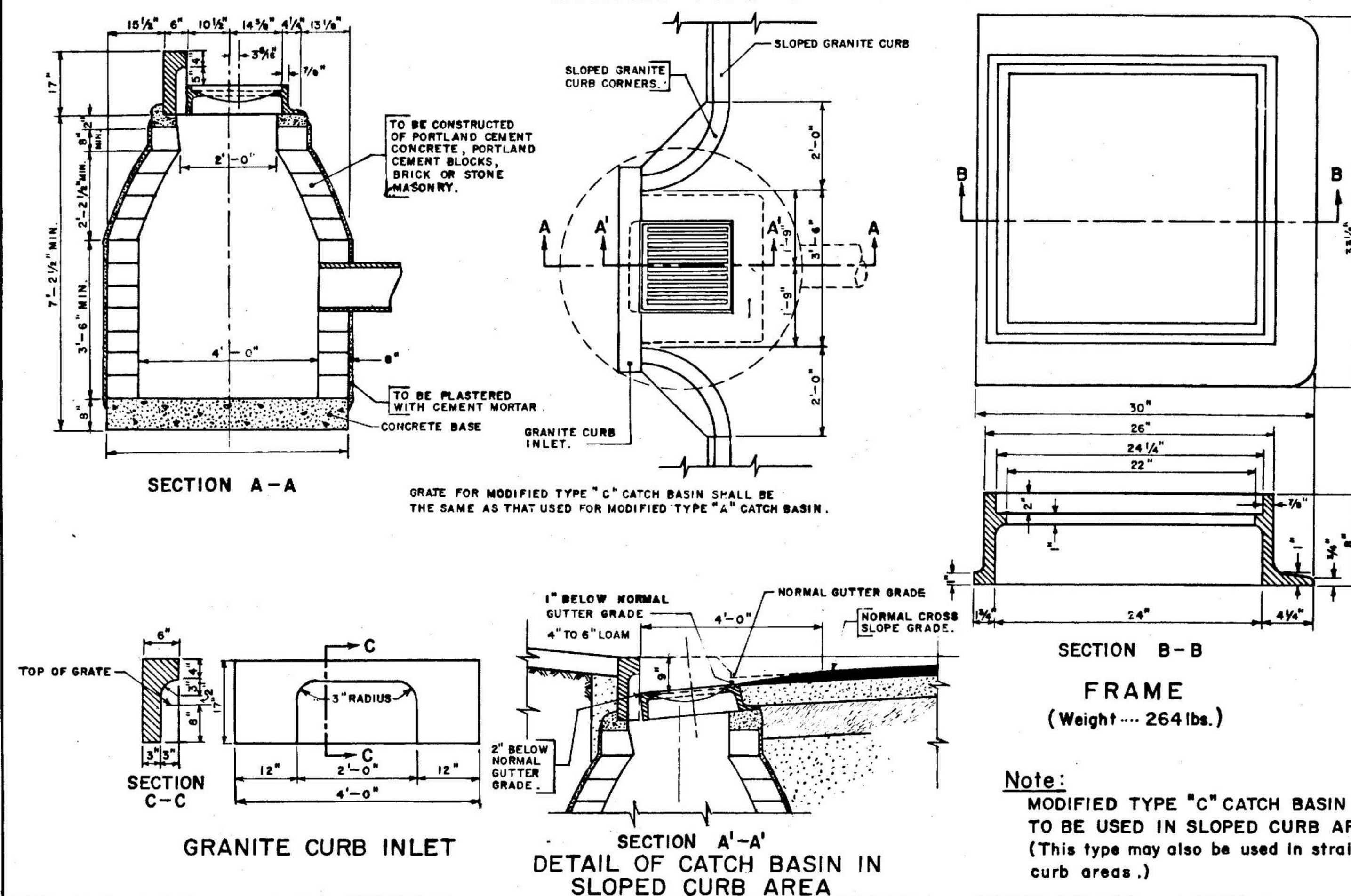
Note:
MODIFIED TYPE "A" CATCH BASIN IS TO BE USED IN GRANITE EDGING AREA. (When this type of catch basin is used with sloped or straight curb, the curb on gutter line shall be cut to fit flange.)

CATCH BASIN TYPE "F"

B. P. R.	STATE	FEDERAL AID	SHEET TOTAL
REGION NO.	PROJECT NO.	NO.	SHEETS
1	MAINE	I-95-6(8)114	8 97

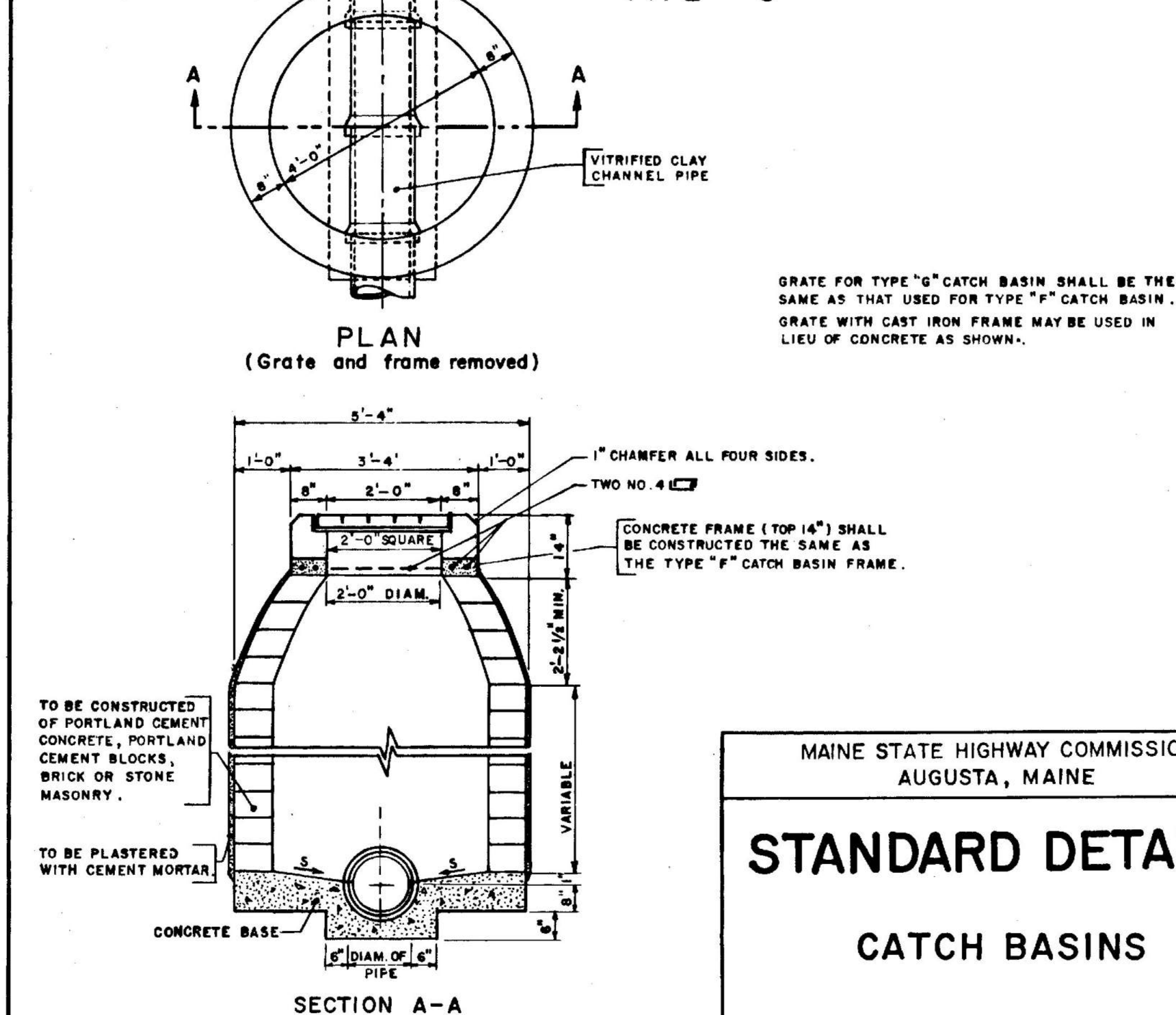


CATCH BASIN MODIFIED TYPE "C"



Note:
MODIFIED TYPE "C" CATCH BASIN IS TO BE USED IN SLOPED CURB AREA. (This type may also be used in straight curb areas.)

CATCH BASIN TYPE "G"

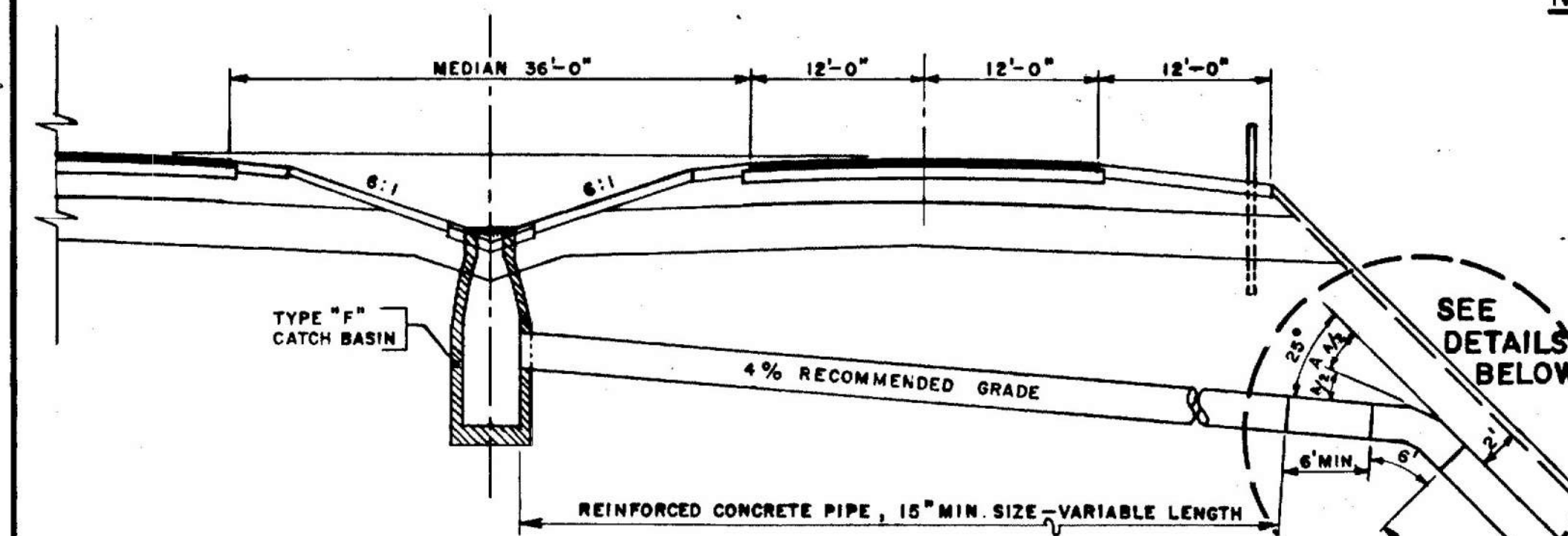


MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

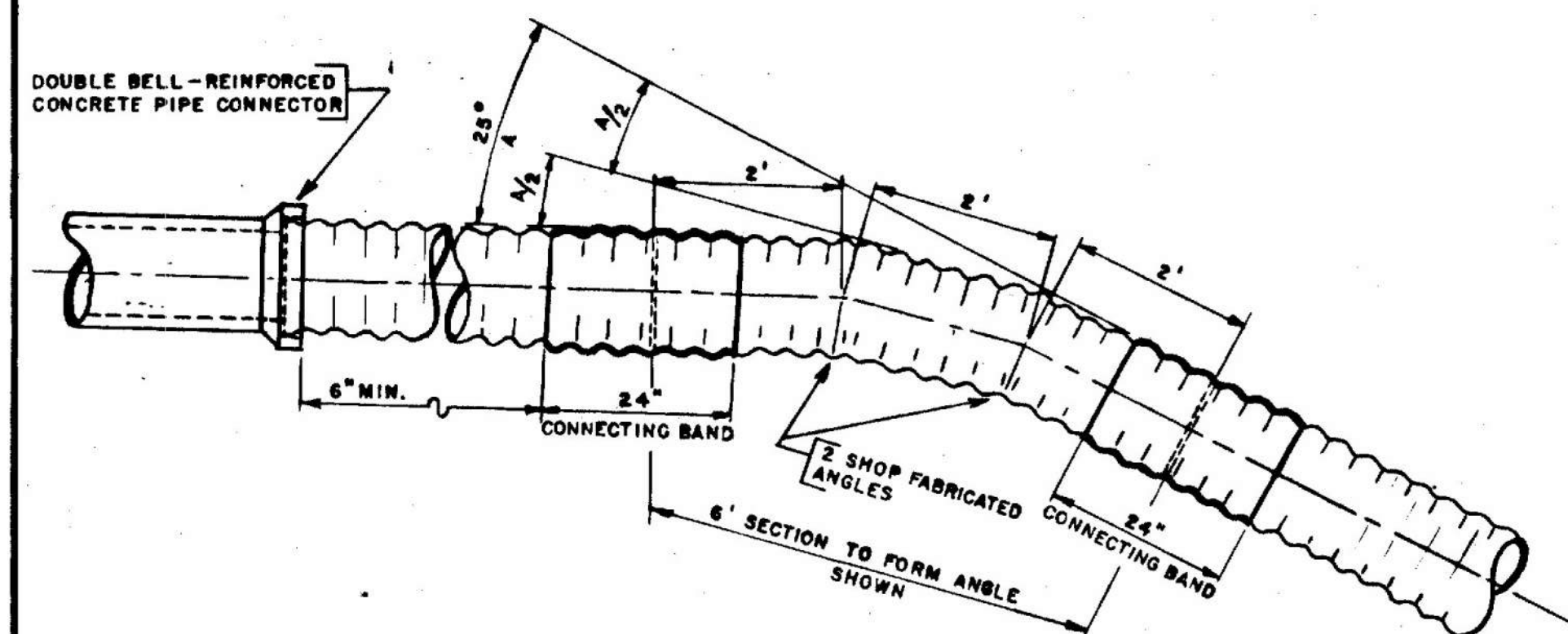
STANDARD DETAILS

CATCH BASINS

BENDS AND BANDS for A.C.C.M.P. MEDIAN DRAINAGE



DRAINAGE SECTION

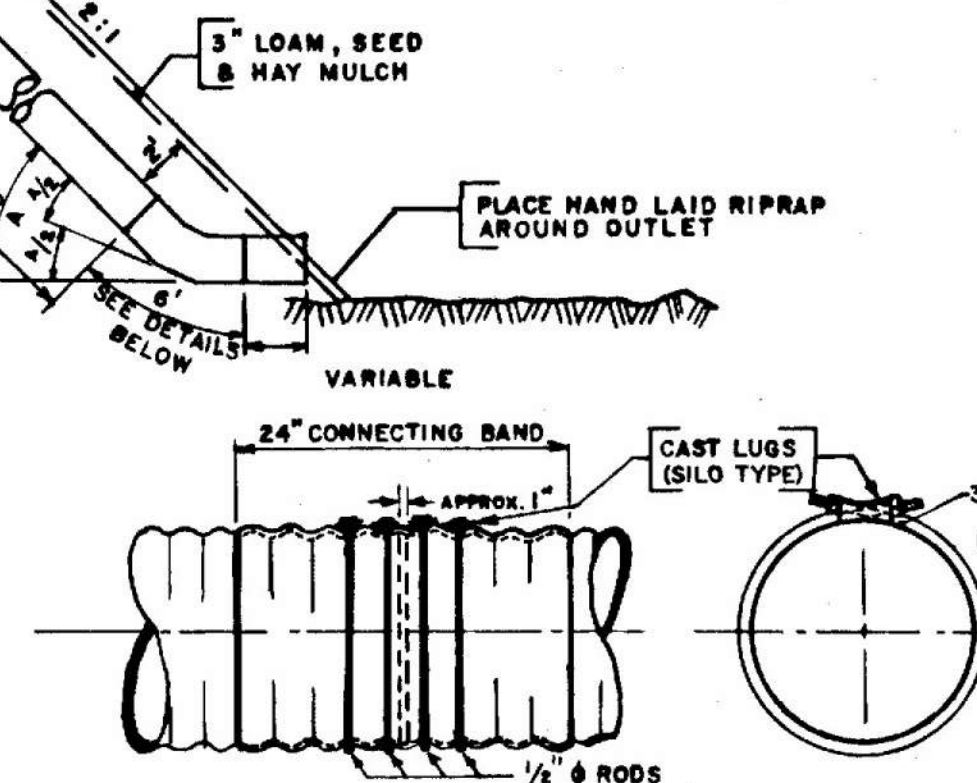


DETAIL OF SIX-FOOT BENDS

NOTE: 24" CONNECTING BANDS SHALL BE USED ON THE ENDS OF EACH ANGLE SECTION. THESE BANDS SHALL BE WATER TIGHT AND DRAWN SECURE BY MEANS OF FOUR THREADED GALVANIZED RODS 1/4" ROUND, PLACED UNIFORMLY EACH SIDE OF THE PIPE ENDS, AND TIGHTENED WITH SILO TYPE LUGS. THE LONGITUDINAL SEAM UNDER THE COLLAR SHALL BE WELDED AND RIVETS OMITTED.

WHEN STRAIGHT LENGTH OF A.C.C.M.P. ON SLOPE EXCEEDS 20 FEET, 24" BAND OR BANDS SHALL BE USED IN THE SAME MANNER AS DESCRIBED ABOVE. AN ITEM COVERING EACH SIZE OF 24" CONNECTING BANDS SHALL BE INCLUDED IN THE PROPOSAL.

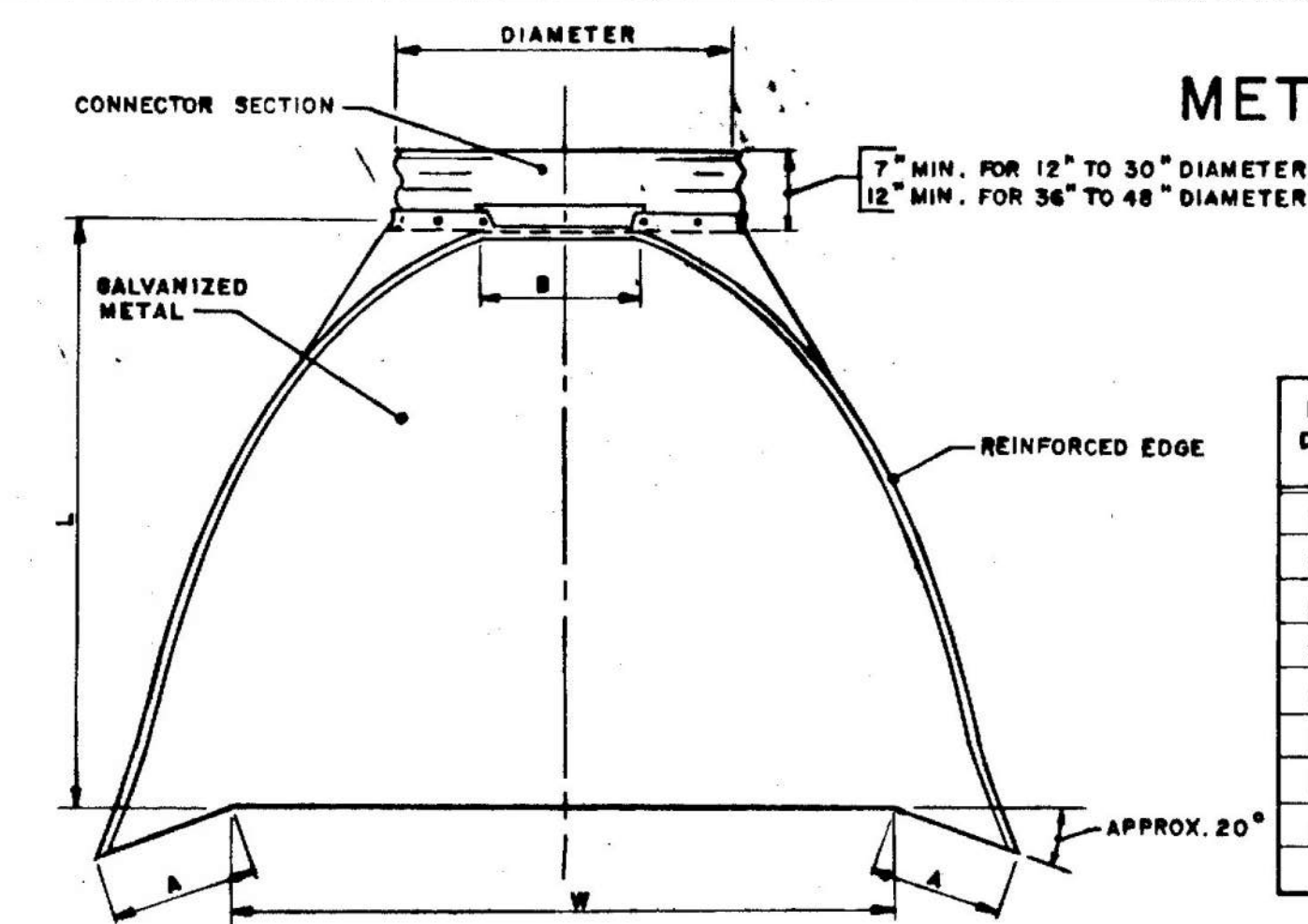
BID ITEMS FOR 15", 18" & 24" A.C.C.M.P. SIX FOOT SECTION TO FORM 25° ANGLE SHALL BE SHOWN IN THE ITEM DESCRIPTION AS "SIX FOOT BENDS". WHEN FILL IS 10' OR MORE IN DEPTH AT THE OUTSIDE SHOULDER BERM USE OUTLET FROM CATCH BASIN AS SHOWN; WHEN FILL IS LESS THAN 10' USE STRAIGHT GRADE LINE FROM CATCH BASIN TO OUTLET END OF PIPE.



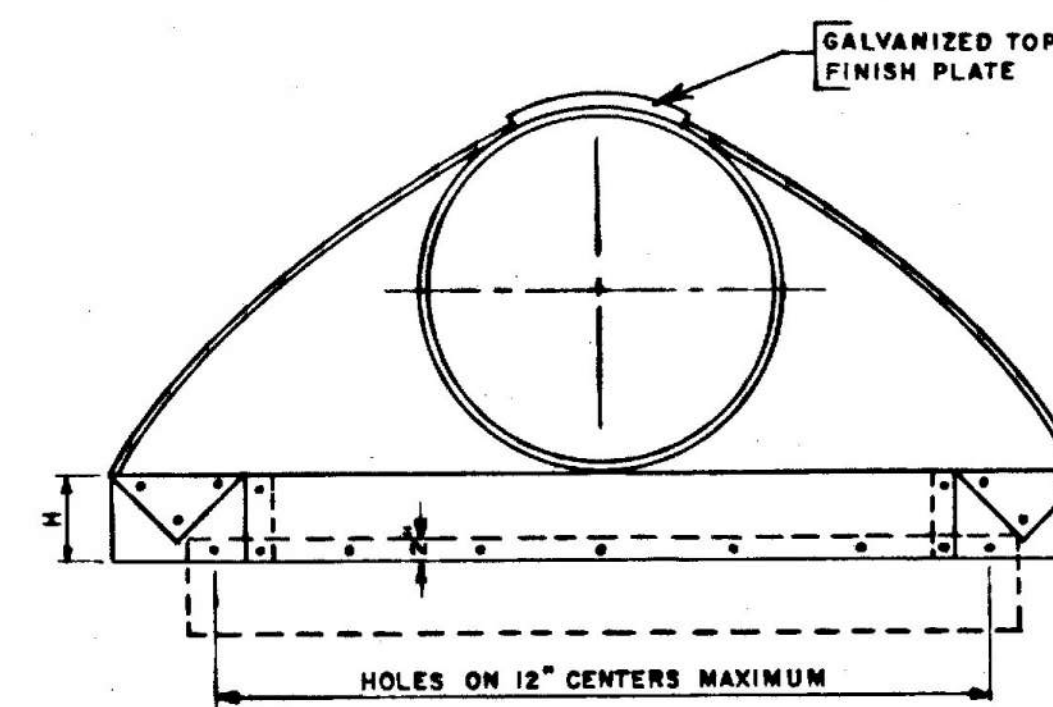
DETAIL OF 24" CONNECTING BANDS

METAL ENDWALLS

D. P. R.	STATE	FEDERAL AID	SHEET	TOTAL
REGION NO.		PROJECT NO.	NO.	SHEETS
1	MAINE	T-951 6(8) 114	9	97



PLAN



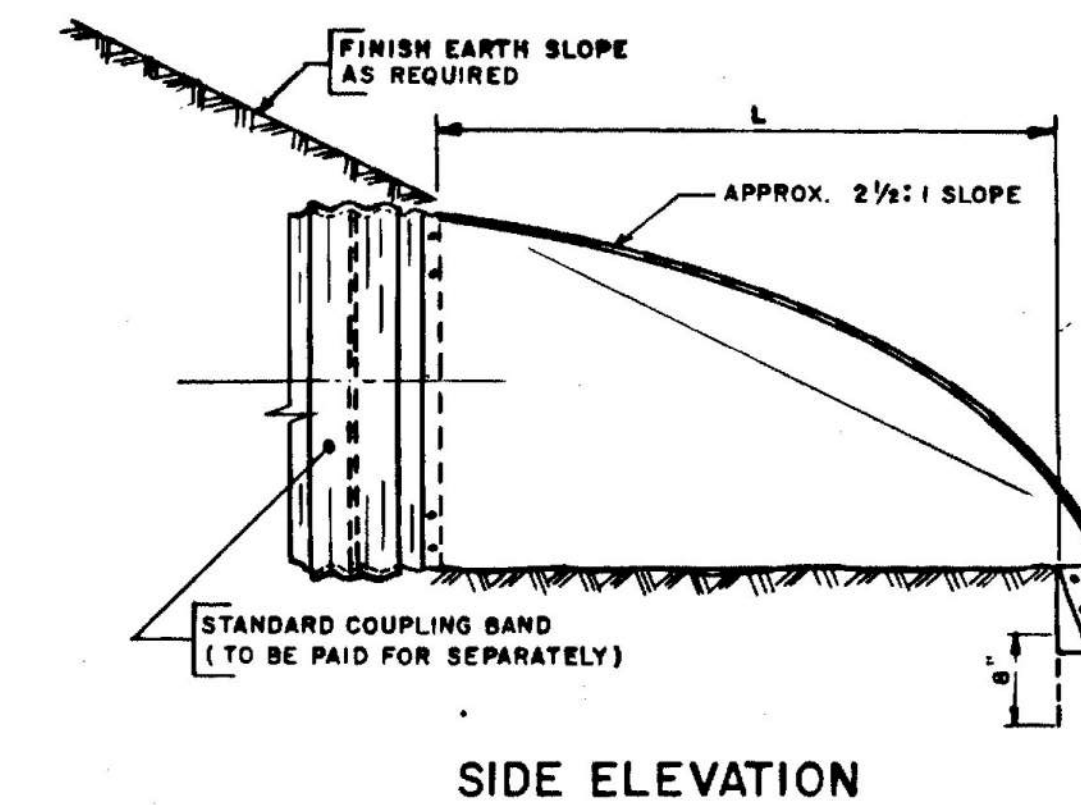
ELEVATION

PIPE DIAM.	GAUGE	DIMENSIONS					
		A 1" TOL.	B MAX.	H 1" TOL.	L 1½" TOL.	W 2" TOL.	
12"	16	4 3/4"	6"	6"	21"	24"	
15"	16	6"	8"	6"	26"	30"	
18"	16	7"	9"	6"	31"	36"	
21"	16	8 1/4"	11"	6"	36"	42"	
24"	14	9 1/2"	12"	6"	42"	48"	
30"	14	12"	15"	7 1/2"	52 1/2"	60"	
36"	12	14"	18"	9"	63"	72"	
42"	12	16"	21"	10 1/2"	73 1/2"	84"	

TOE PLATE TO BE PUNCHED TO MATCH HOLES IN SKIRT LIP. LENGTH OF TOE PLATE IS W+10" FOR 12" TO 30" DIAMETER PIPE, INCLUSIVE, AND W+22" FOR 36" TO 42" DIAMETER PIPE INCLUSIVE.

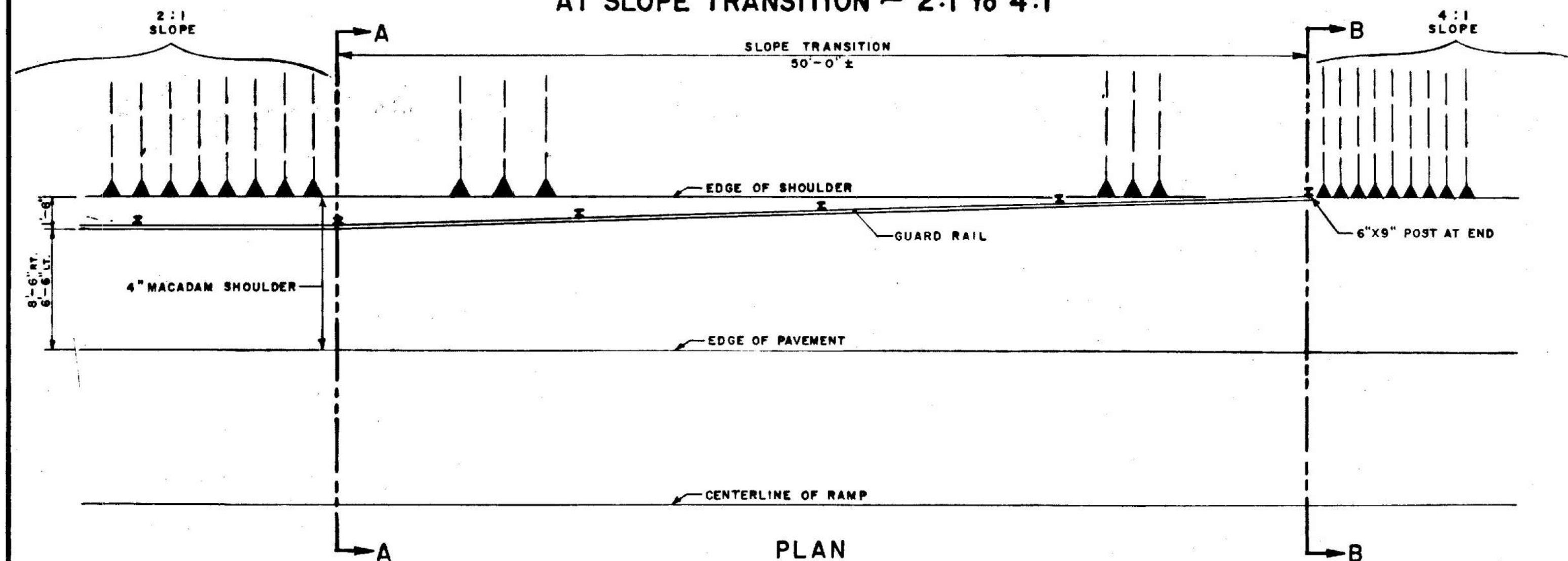
SKIRT SECTION FOR 12" TO 24" DIAMETER PIPE, INCLUSIVE, TO BE MADE IN ONE PIECE. SKIRT SECTION FOR 30" TO 48" DIAMETER PIPE MAY BE MADE FROM TWO SHEETS JOINED BY RIVETING OR BOLTING ON CENTERLINE.

CONNECTOR SECTION, CORNER PLATE AND TOE PLATE TO BE SAME GAUGE AS SKIRT AND EACH TO BE GALVANIZED. TOE PLATE TO BE INCLUDED IN UNIT COST.

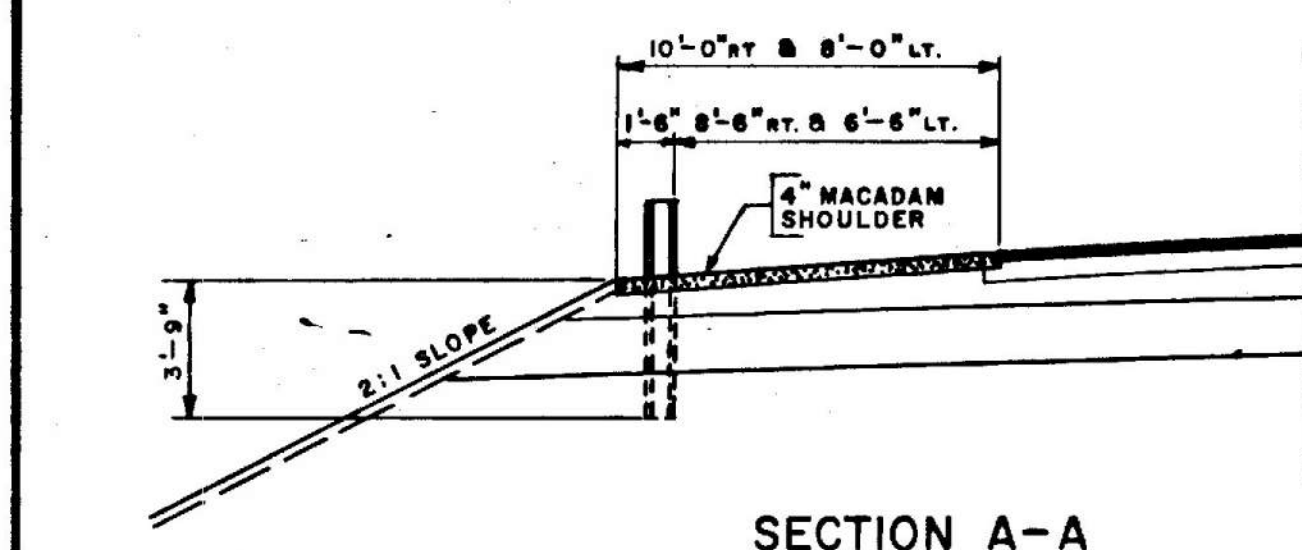


SIDE ELEVATION

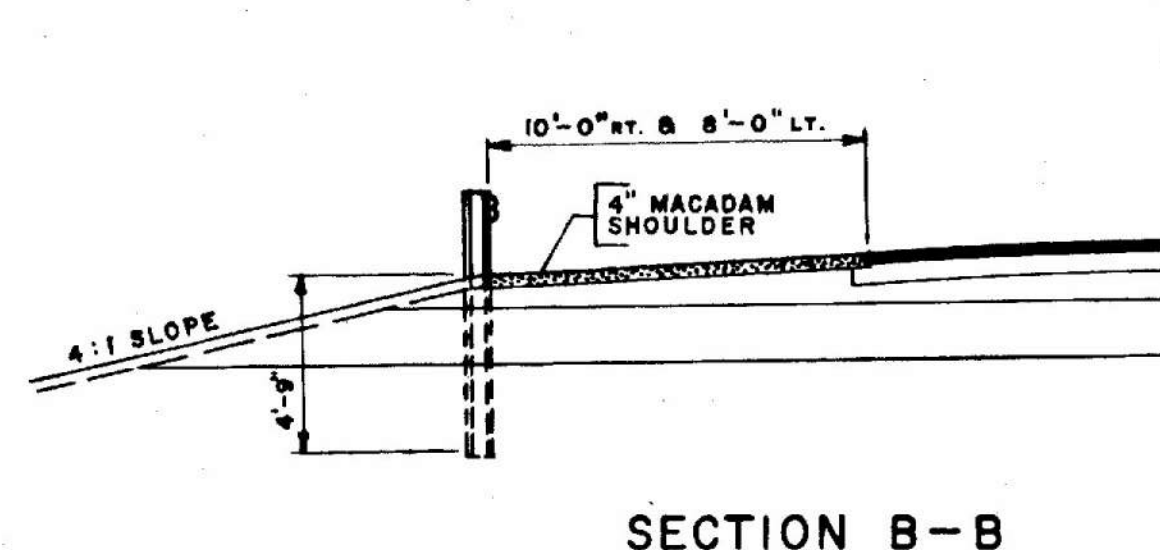
GUARD RAIL LOCATION ON RAMPS AT SLOPE TRANSITION ~ 2:1 to 4:1



PLAN

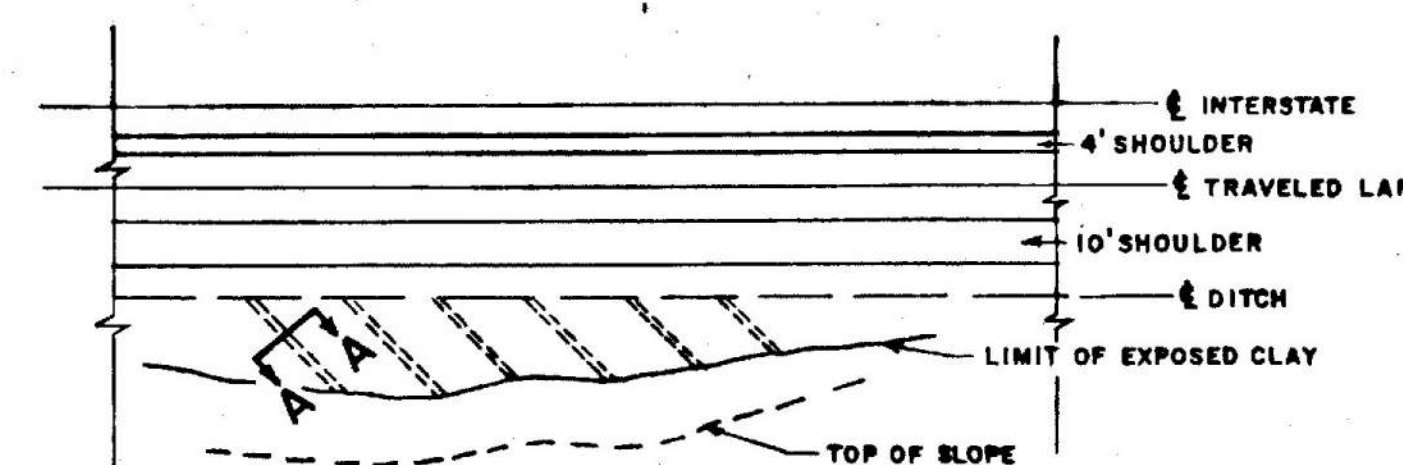


SECTION A-A

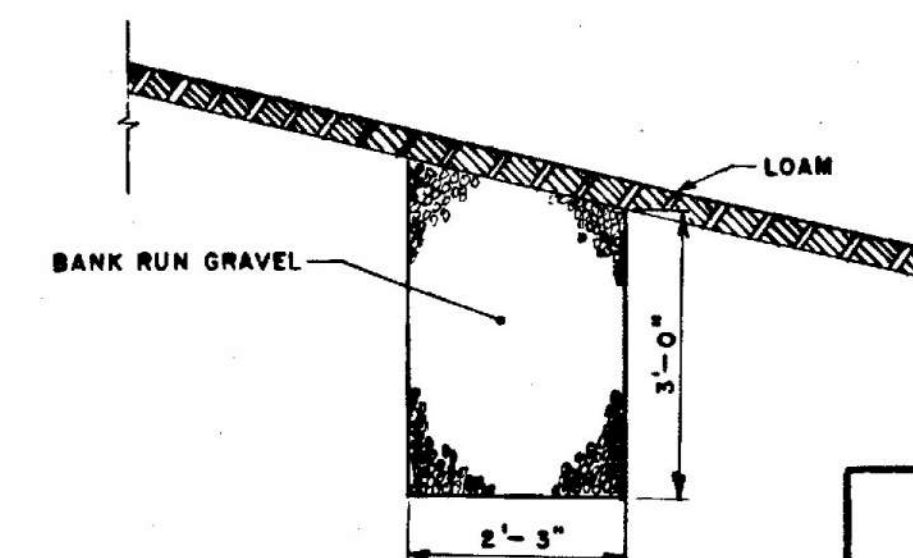


SECTION B-B

CUT SLOPE DRAIN

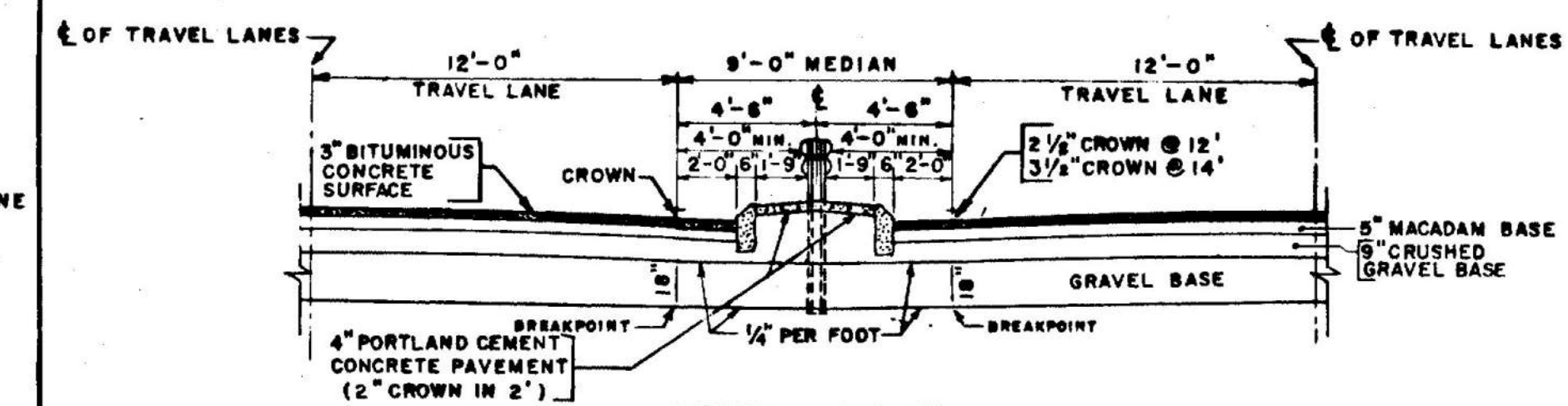


PLAN

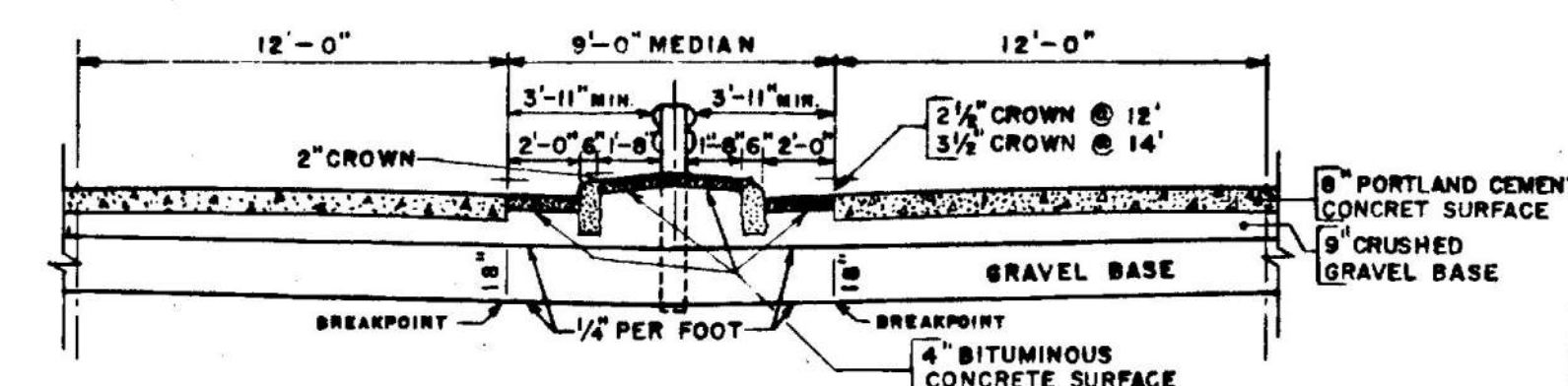


SECTION A-A

9-FOOT MEDIAN

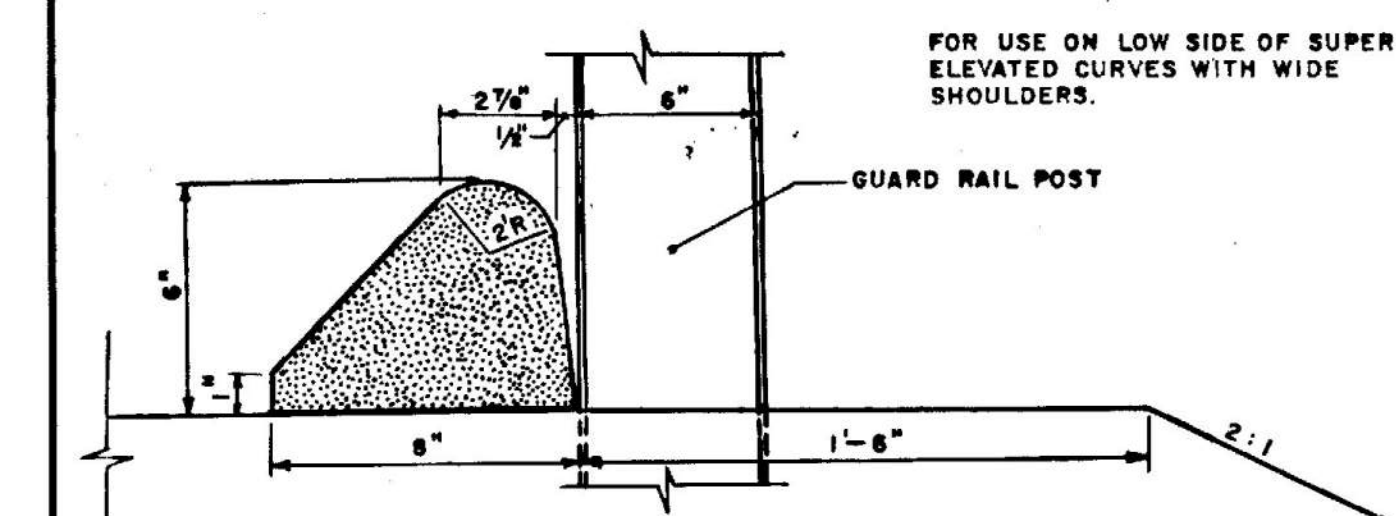


STEEL POST



WOOD POST

BITUMINOUS CONCRETE CURB



FOR USE ON LOW SIDE OF SUPER-ELEVATED CURVES WITH WIDE SHOULDERS.

MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS

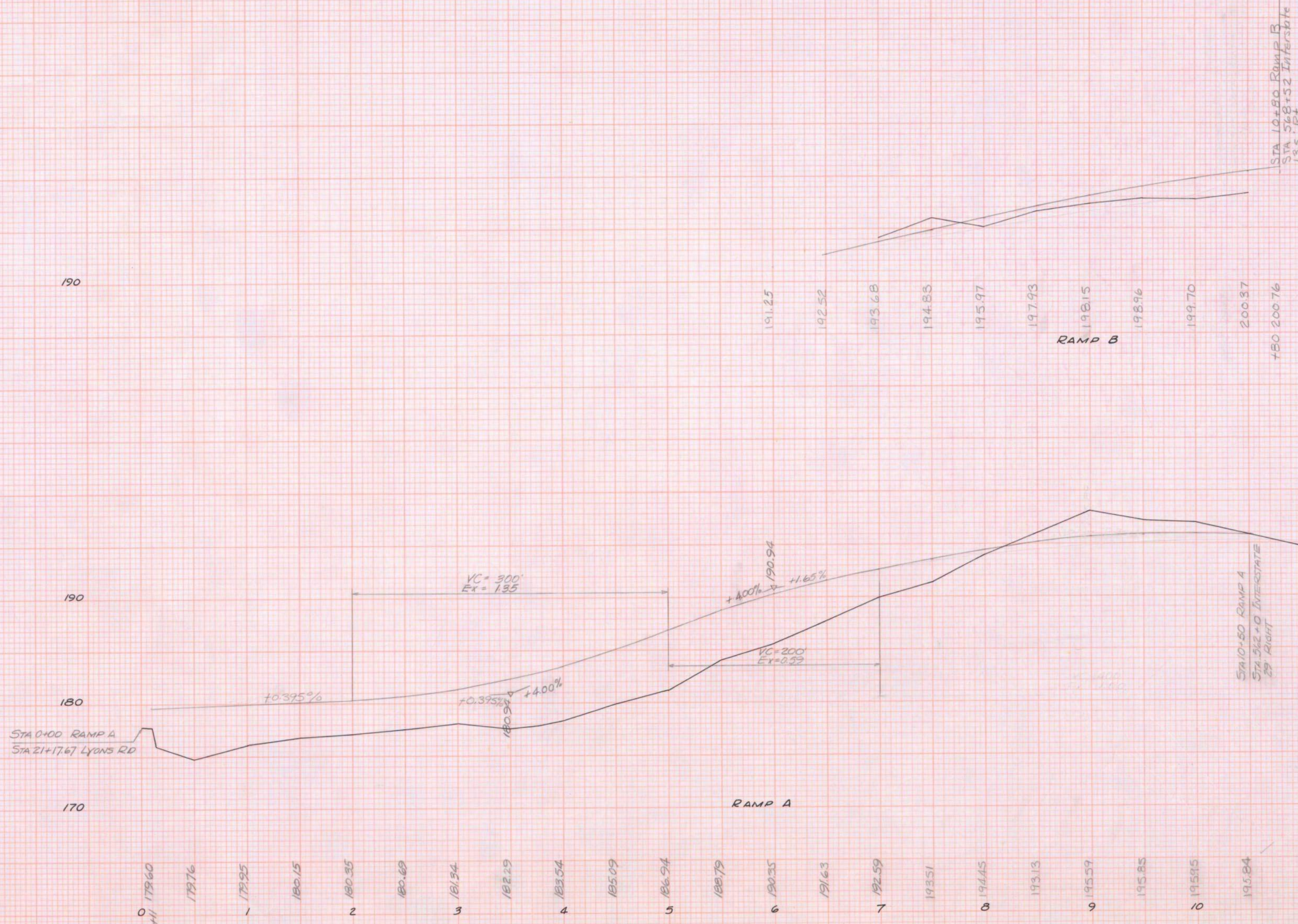
BENDS & BANDS, METAL ENDWALLS, GUARD RAIL ON RAMPS, CUT SLOPE DRAIN, 9-FOOT MEDIAN & BITUMINOUS CONCRETE CURB

FINAL
SURVEY
NOTE BOOK
NO.

SURVEY
PLOTTED
TEMPLATE
AREA
CHECKED

ORIGINAL
SURVEY
NOTE BOOK
NO.

SURVEY
PLOTTED
TEMPLATE
AREA
CHECKED



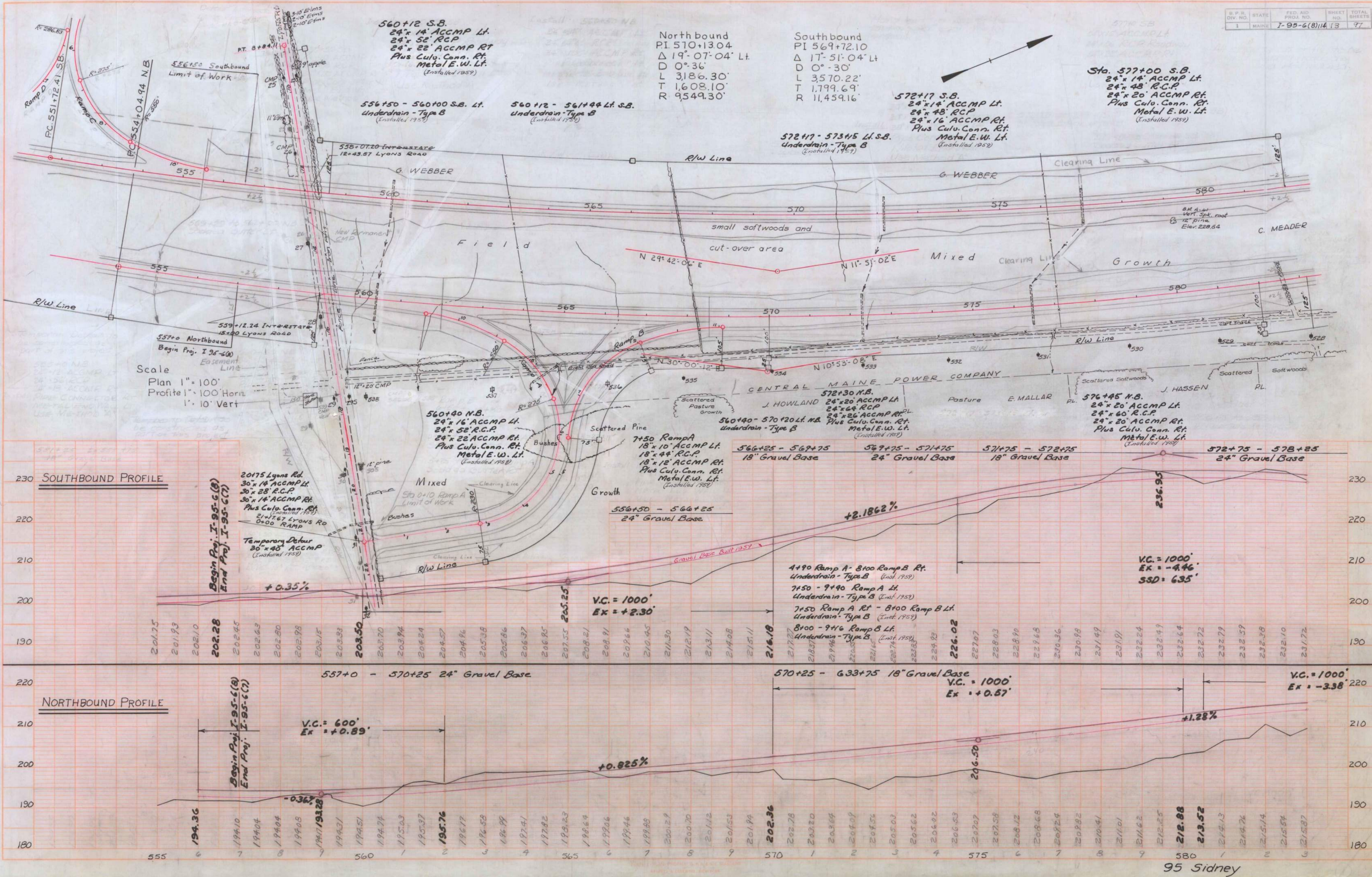
LYONS ROAD
INTERCHANGE

PROFILE
CONTROL EDGE
RAMPS A & B

SCALE:
HORIZ 1" = 50'
VERT 1" = 5'

PLAN
REVISIONS
DATE
BY
CHECKED
DATE
BY
NOTES
1. NOTE WORK ALIGNED TO CENTERLINE OF ROAD
2. SEE SHEET I-95-6(8)113 FOR PREVIOUS WORK

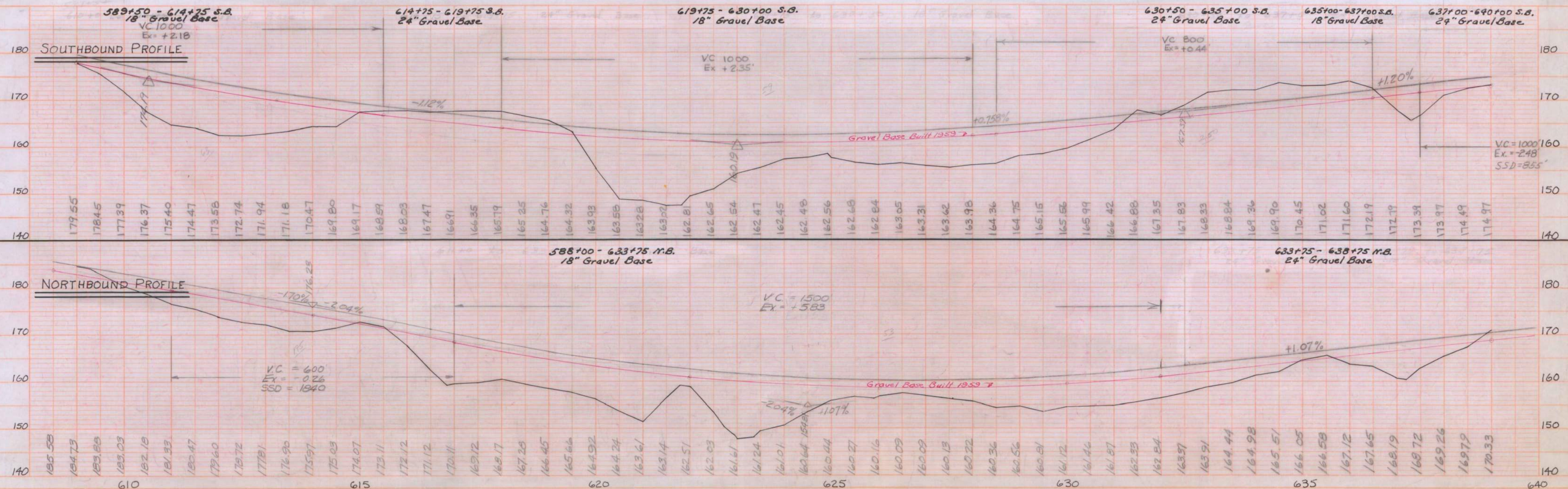
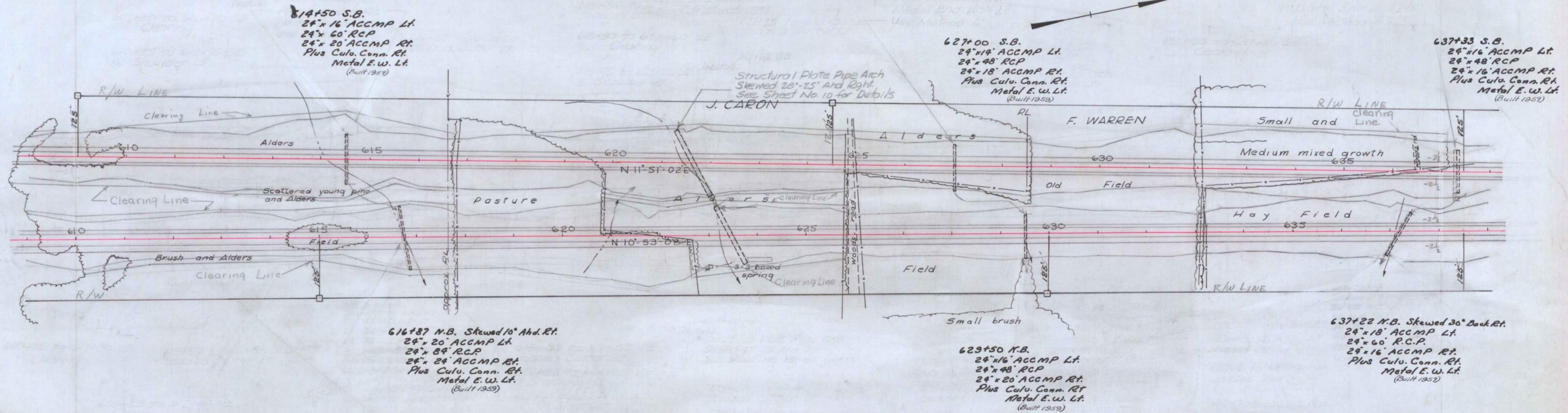
PROFILE
REVISIONS
DATE
BY
CHECKED
DATE
BY
NOTES
1. NOTE WORK ALIGNED TO CENTERLINE OF ROAD
2. SEE SHEET I-95-6(8)113 FOR PREVIOUS WORK



PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.

Hodgkins

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.



PLAN
 DATE
 BY
 H. J. HARRIS
 CHECKED
 J. E. HARRIS
 NOTE: BOOK, ALIGNED, CHECKED, RT. OF WAY, CHIEF.

PROFILE
 DATE
 BY
 H. J. HARRIS
 CHECKED
 J. E. HARRIS
 NOTE: BOOK, ALIGNED, CHECKED, RT. OF WAY, CHIEF.

B. P. R.	STATE	FED. AID	SHEET	TOTAL
DIV. NO.	MAINE	PROJ. NO.	NO.	SHEETS
1		I-95-6(8)114	16	97

Southbound	
PI	666+08.95
Δ	7'-31'-15" Lt
OD	0'-30"
LT	1,504.17'
RT	753.17'
R	11,459.17'

Northbound	
PI	669+11.79
Δ	0'-24"
OD	1487.85'
LT	744.59'
RT	14,323.94'
R	5'-57'-05" Lt

