

STATE OF MAINE STATE HIGHWAY COMMISSION

PLANS

SIDNEY-WATERVILLE

MAINE FEDERAL AID INTERSTATE

PROJECT NO. **I-95-6(9) 116**

TOTAL LENGTH 2.008 MILES

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

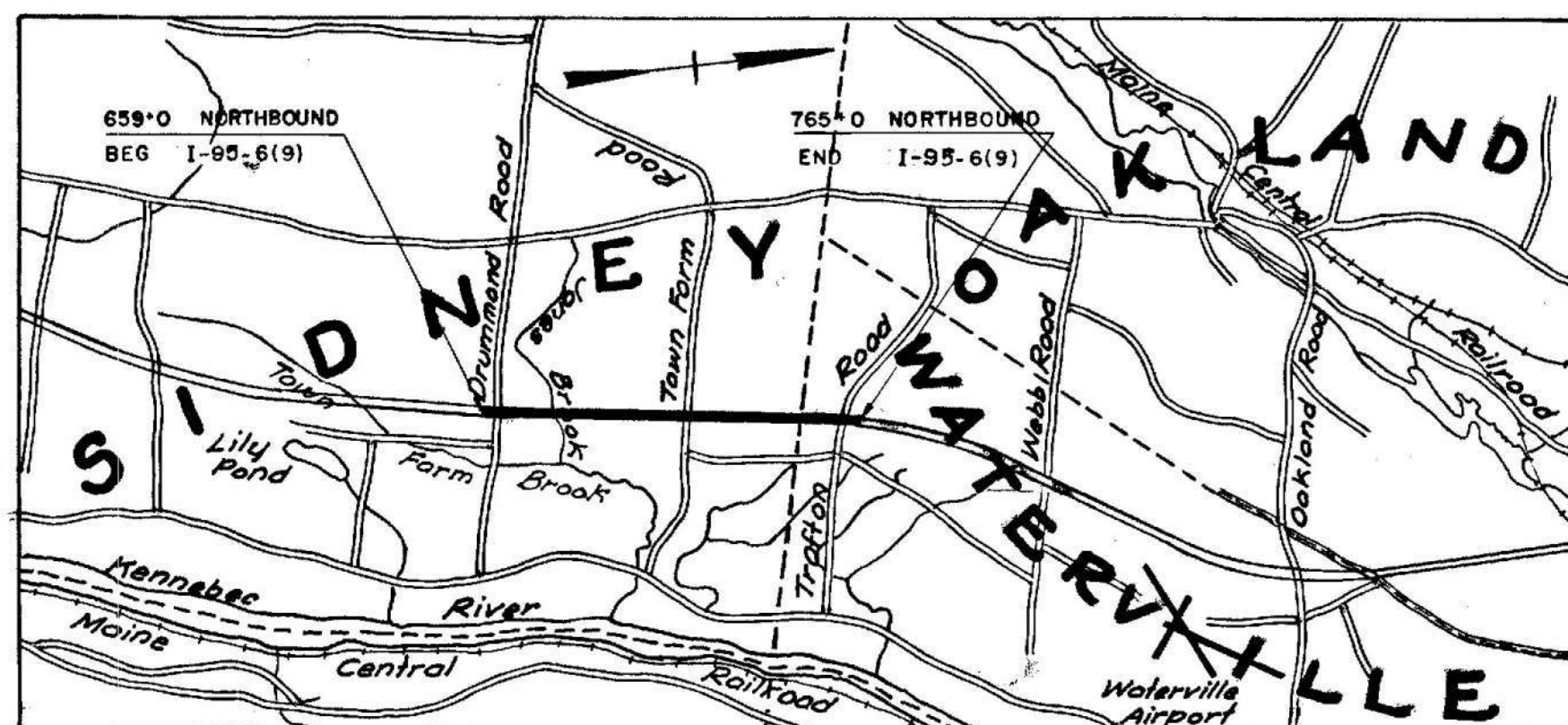
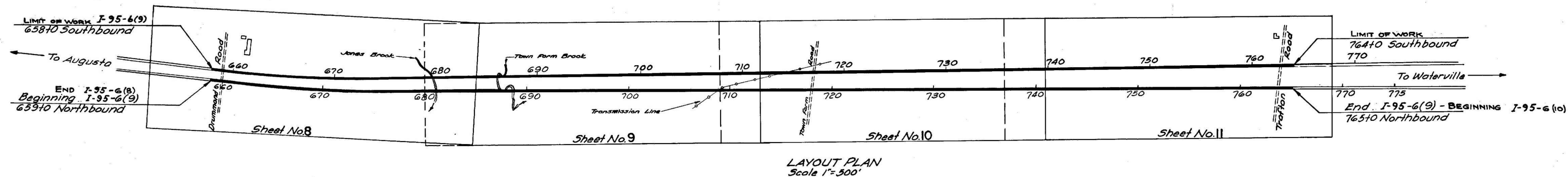
CONVENTIONAL SIGNS

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

INDEX OF SHEETS

SHEET NO.	TITLE PAGE	STA. 659+0 to 765+0
SHEET NO. 1	TYPICAL SECTIONS	.
SHEET NO. 2	QUANTITIES	.
SHEET NO. 4-7	STANDARD DETAILS	.
SHEET NO. 8-11	PLAN AND PROFILE	STA. .
SHEET NO. 12-75	CROSS-SECTIONS	STA. .
SHEET NO. 7-A-B	BRIDGES Box CULVS.	STA. 68+50 AND 687+52
SHEET NO.	SPECIAL DETAILS	.

Sh. 7B 7 B1.
Maint. Sect. 7-8-71



ADT 1960 = 7,238
ADT 1980 = 10,857
DHV = 1,628
D = 65%
T = 15%
V = 60 M.P.H.

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 G. Sturges
Robert Williams
Jeffrey...

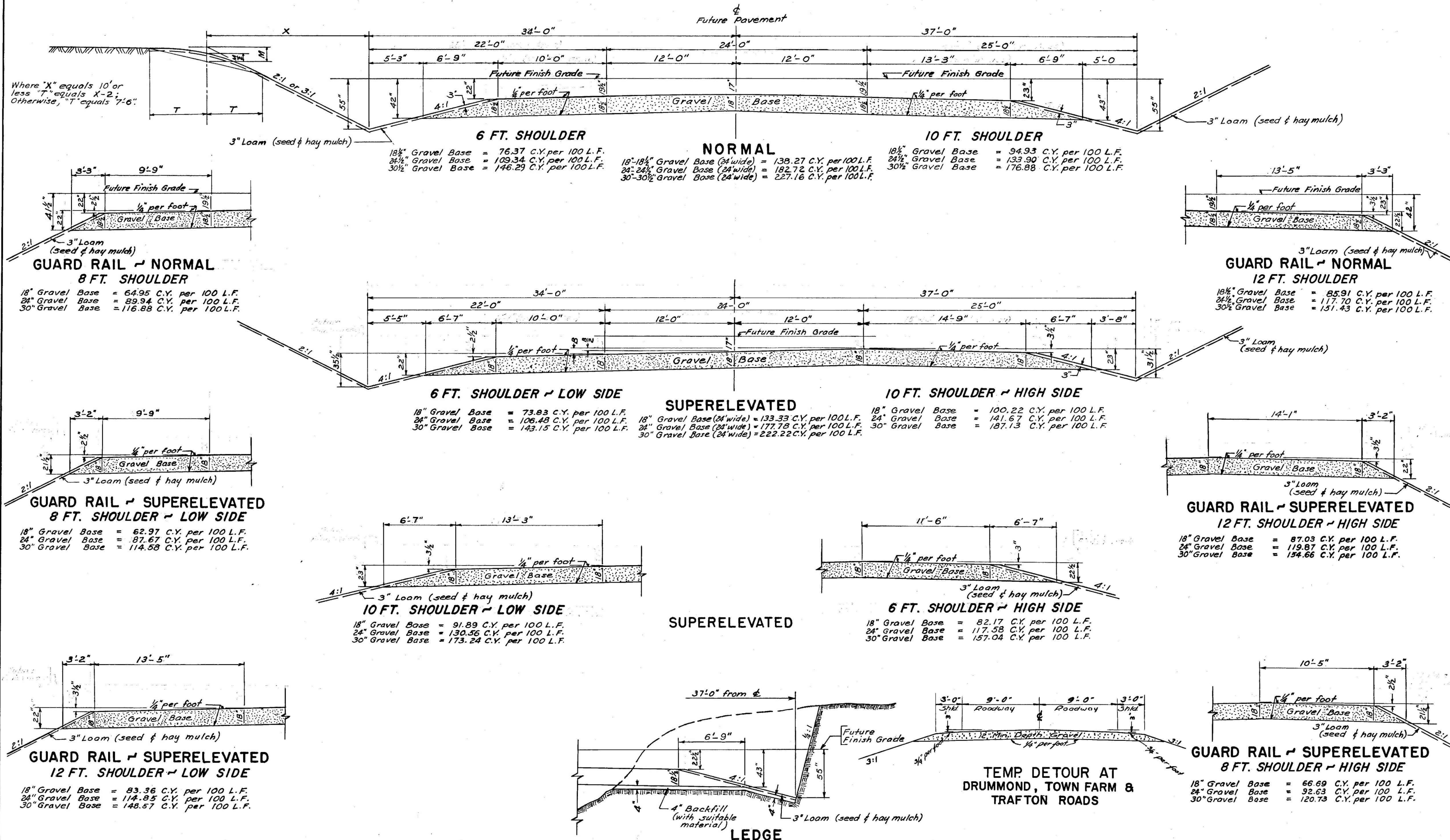
DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
REGION I

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	I-95-6(9)	8	75

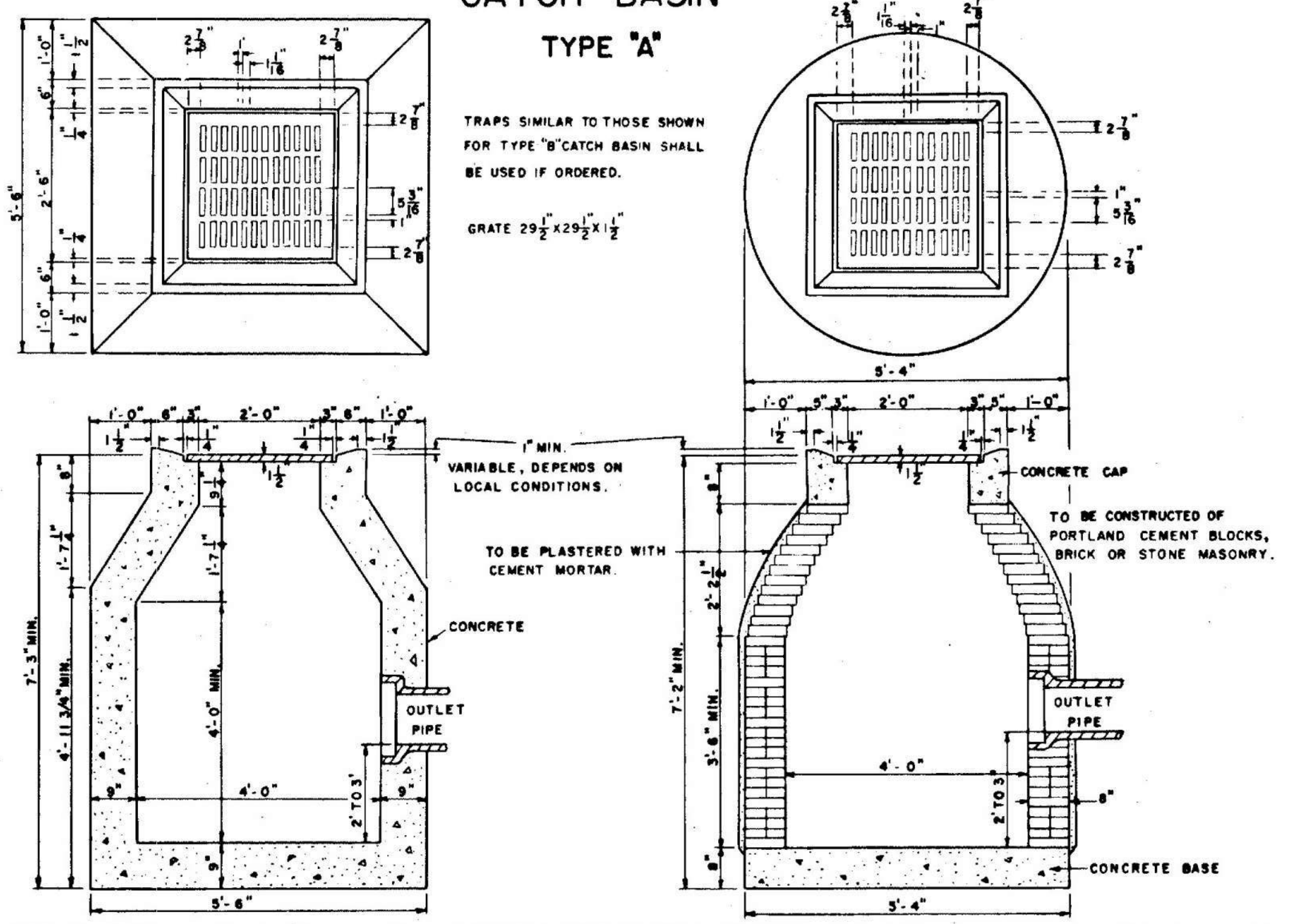


~~ESTIMATED~~ QUANTITIES

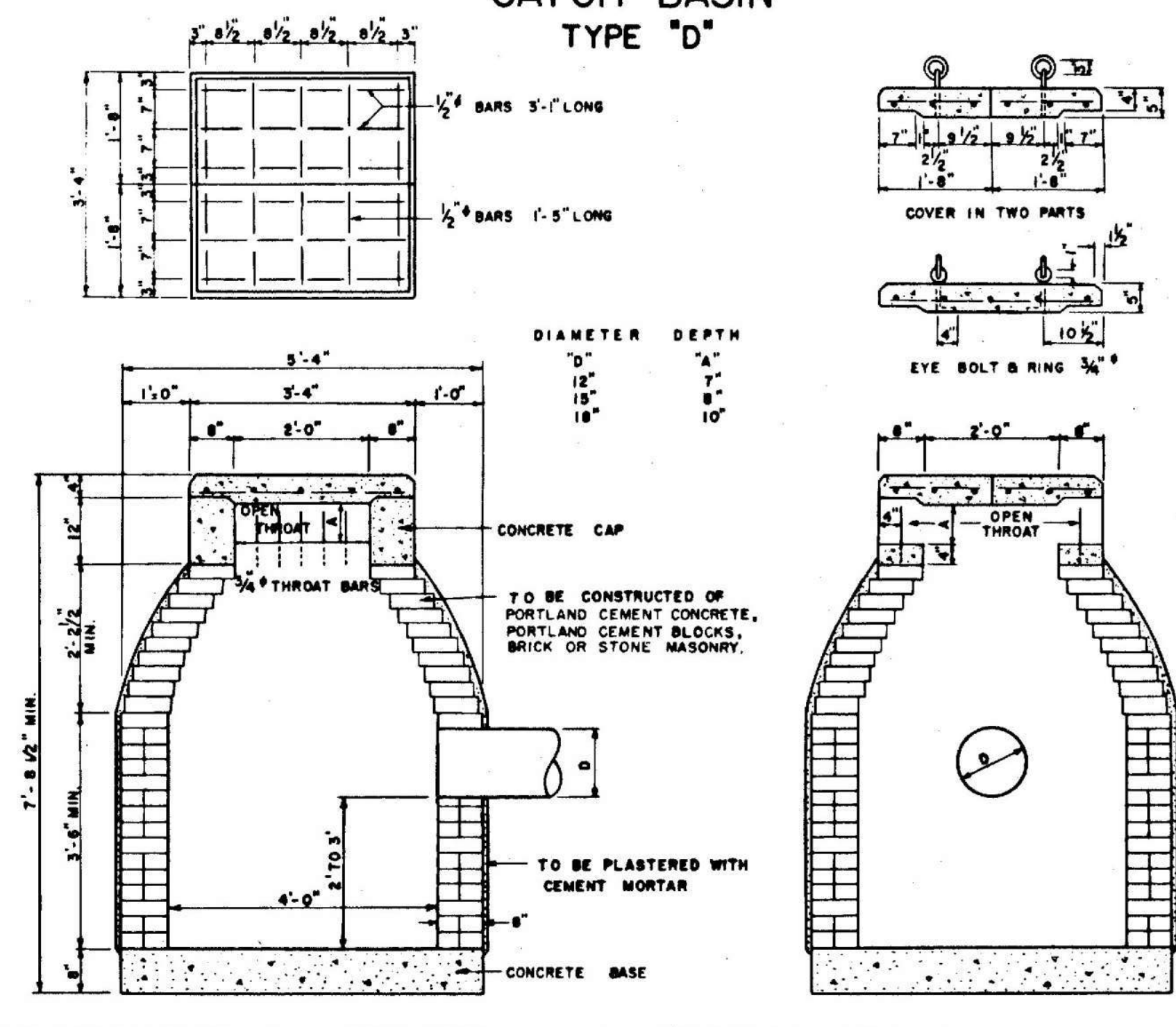
ITEM NO	DESCRIPTION	QUANTITY	UNIT
201-5	CLEARING	23.400	ACRES
202-5	REMOVING TREES (9"-24")	21	EACH
202-6	REMOVING TREES (OVER 24")	9	"
203-9	EARTH EXCAVATION	142,108	Cu.Yds.
203-10	ROCK EXCAVATION	3661	" "
204-10	STRUCTURAL EARTH EXCAVATION - DRAINAGE	3,929	Cu.Yds.
204-11	STRUCTURAL ROCK EXCAVATION - DRAINAGE	68.6	" "
205-9	GRANULAR BORROW	92,266	" "
302-7	GRAVEL BASE COURSE - IN PLACE MEASUREMENT	69,271	Cu.Yds.
302-13	WASHING GRAVEL BASE COURSE (IN PLACE MEAS)	NONE	
303-5	OVERHAUL (IN PLACE MEASUREMENT)	NONE	
309-5	STRIPPING PITS	16,011	CY.
311-6	CALCIUM CHLORIDE	11.03	TONS.
601-11	15" CORR. METAL PIPE	357	LIN.FT.
602-14	24" ASPHALT COATED CORR. METAL PIPE	720	LIN.FT.
602-15	30" ASPHALT COATED CORR. METAL PIPE	97	LIN.FT.
603-13	24" REINFORCED CONCRETE PIPE	1456	" "
603-14	30" REINFORCED CONCRETE PIPE	320	" "
605-24	CATCH BASIN, TYPE "G"	2	EACH
606-10	UNDERDRAIN, TYPE "B"	1435	LIN.FT.
606-16	UNDERDRAIN OUTLETS	514	LIN.FT.
607-7	METAL ENDWALLS FOR 24" PIPE	21	EACH
607-8	METAL ENDWALLS FOR 30" PIPE	3	"
701-33	PORTLAND CEM. CONC., ABUTS & RET. WALLS	202.33	C.Y.
701-39	PORTLAND CEMENT CONC., FLOOR SLABS	109.48	CY.
701-39	PORTLAND CEM. CONC., SUPERSTR. SLABS	57.56	CY.
701-47	PORTLAND CEMENT	878.7	Bbls.
701-50	PORTLAND CEM. CONC., REINF. BOX CULVERTS	250.16	C.Y.
705-13	REINFORCING STEEL, DEL.	59,314	LBS.
705-14	REINFORCING STEEL, PLACING	59,314	LBS.
806-5	CUT SLOPE DRAINS	NONE	
906-13	FENCING - METAL POSTS (GALVANIZED)	18,480	L.F.
907-10	HAND LAID RIP-RAP	169.9	Cu.Yds.
908-8	LOAM EXCAVATION	15,288	" "
909-7	SODDING	5,137	Sq.Yds.
910-9	SEEDING - ROADSIDE MIXTURE	1008	UNITS
910-10	SEEDING - PARKWAY MIXTURE	92	"
912-6	HAY MULCH	100.07	TONS
914-6	PROJECT MARKERS	NONE	
915-6	RIGHT OF WAY MONUMENTS	60	EACH
916-6	UNDERDRAIN OUTLET MARKERS	4	EACH
929-10	PORTABLE BARRICADES	4	"

S. P. R. DIV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
MAINE	MAINE	195-6(9)	4	75

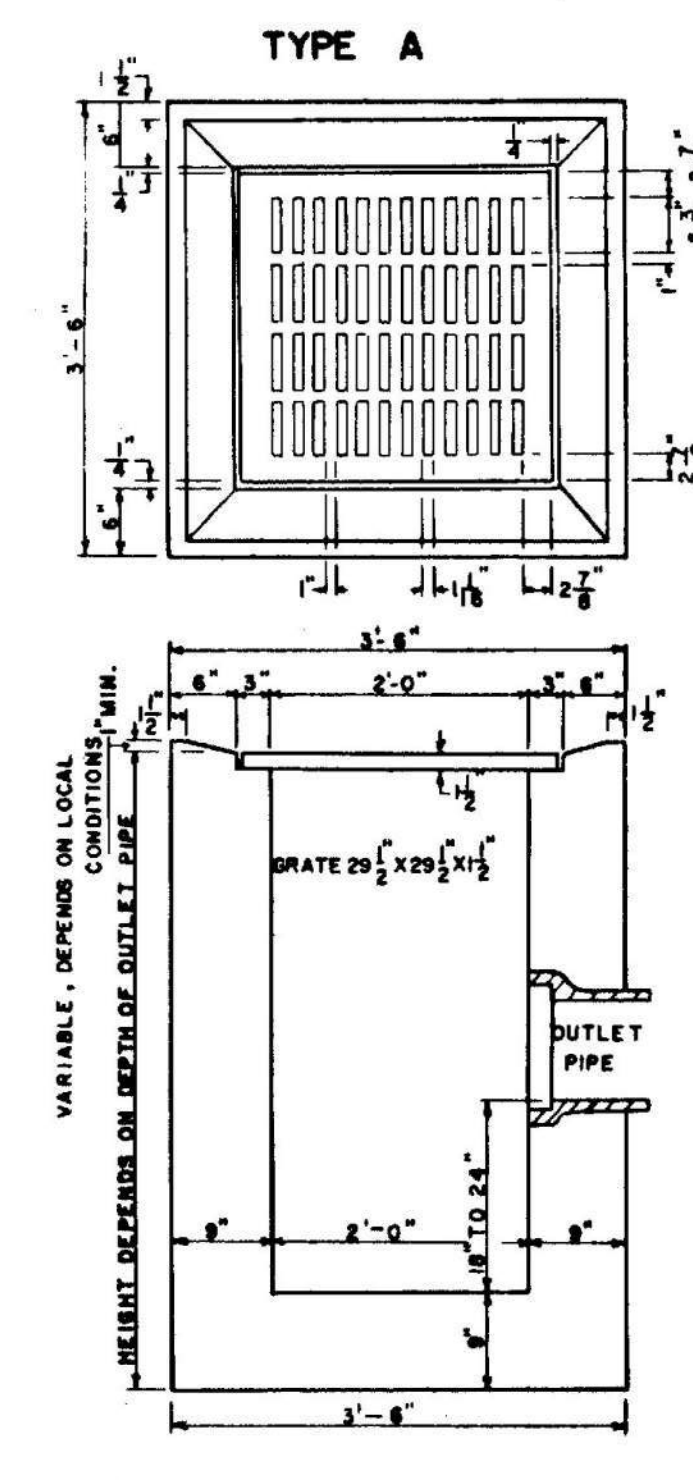
CATCH BASIN TYPE "A"



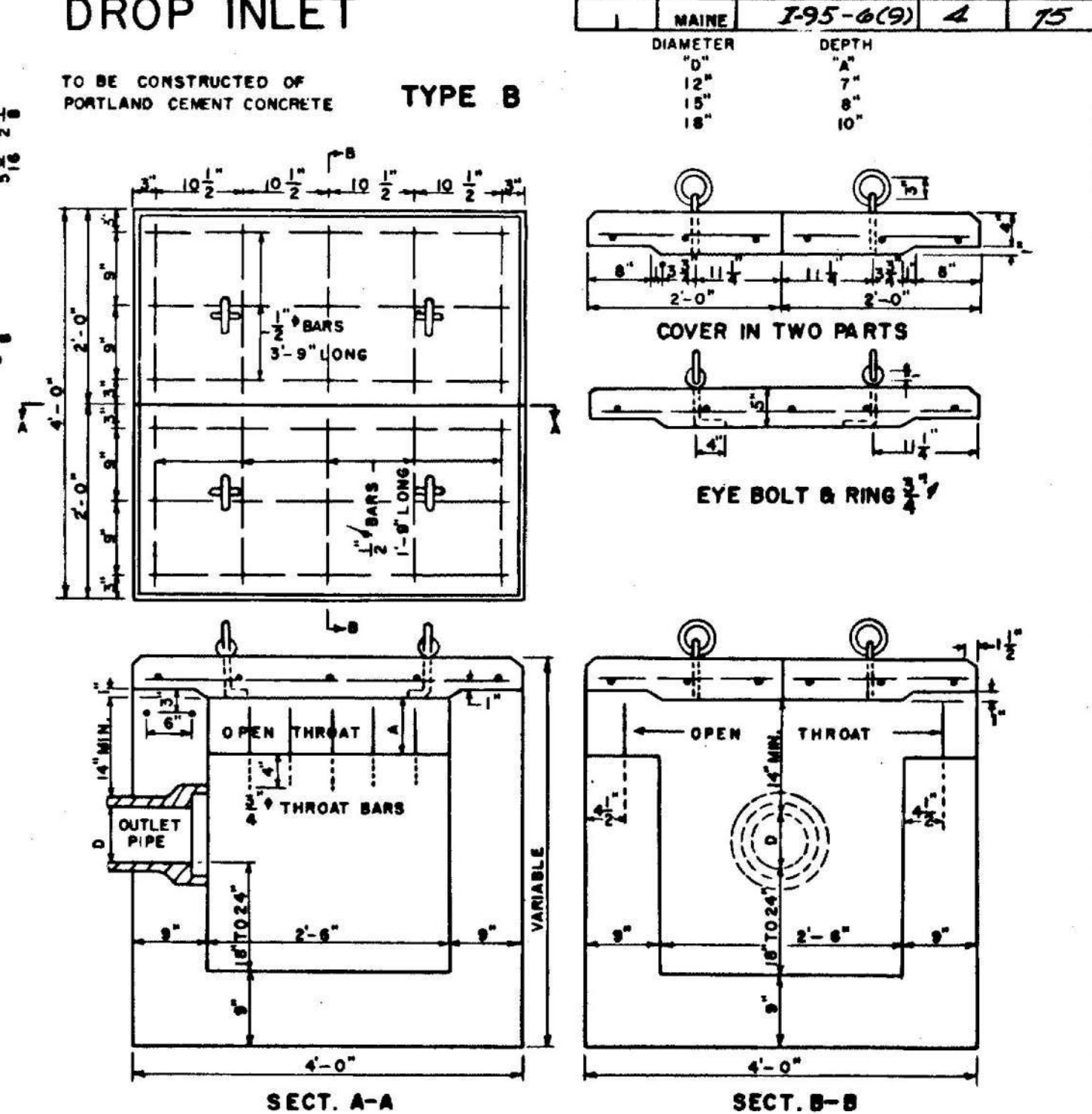
CATCH BASIN TYPE "D"



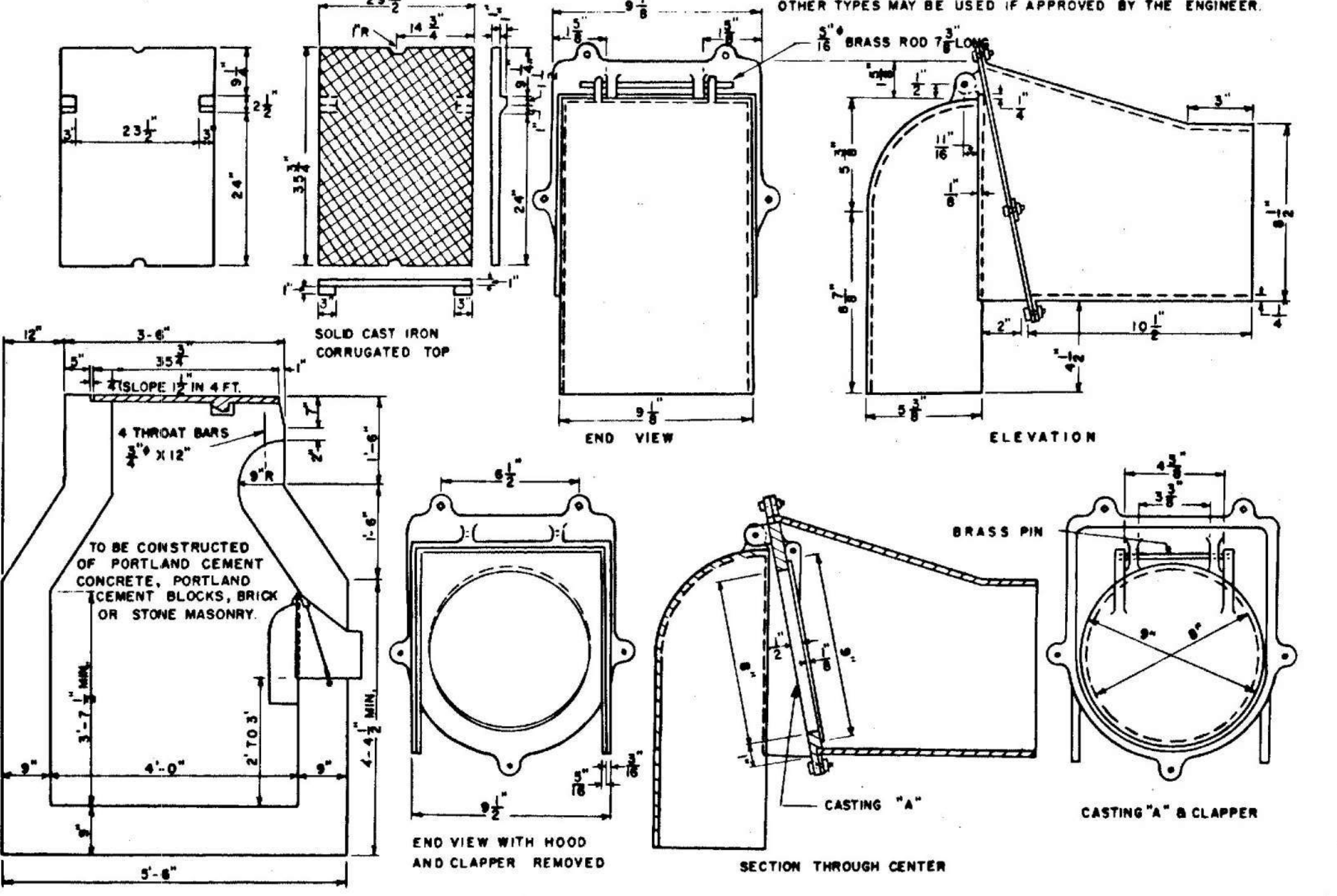
TYPE A



DROP INLET TYPE B



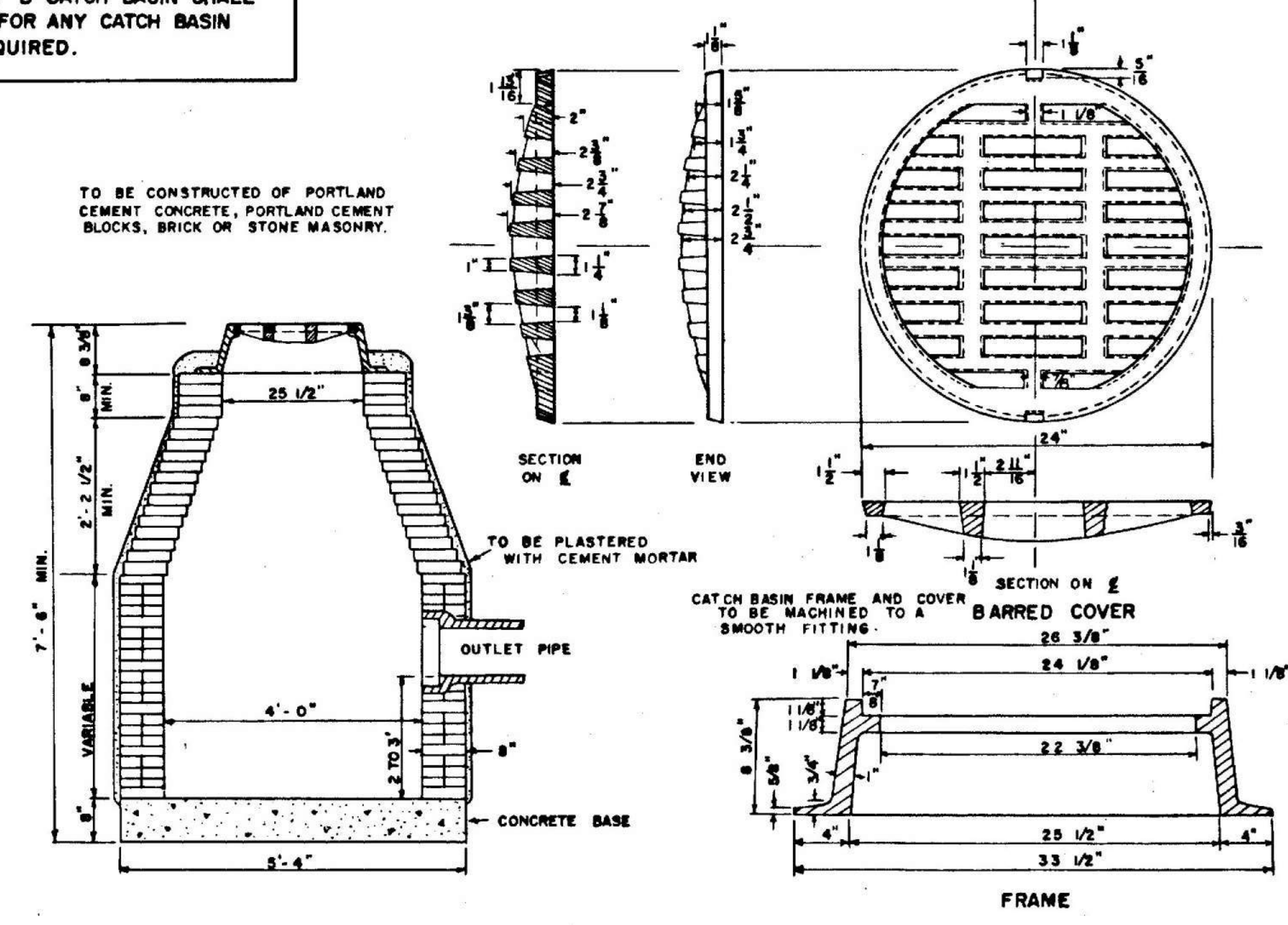
CATCH BASIN TYPE "B"



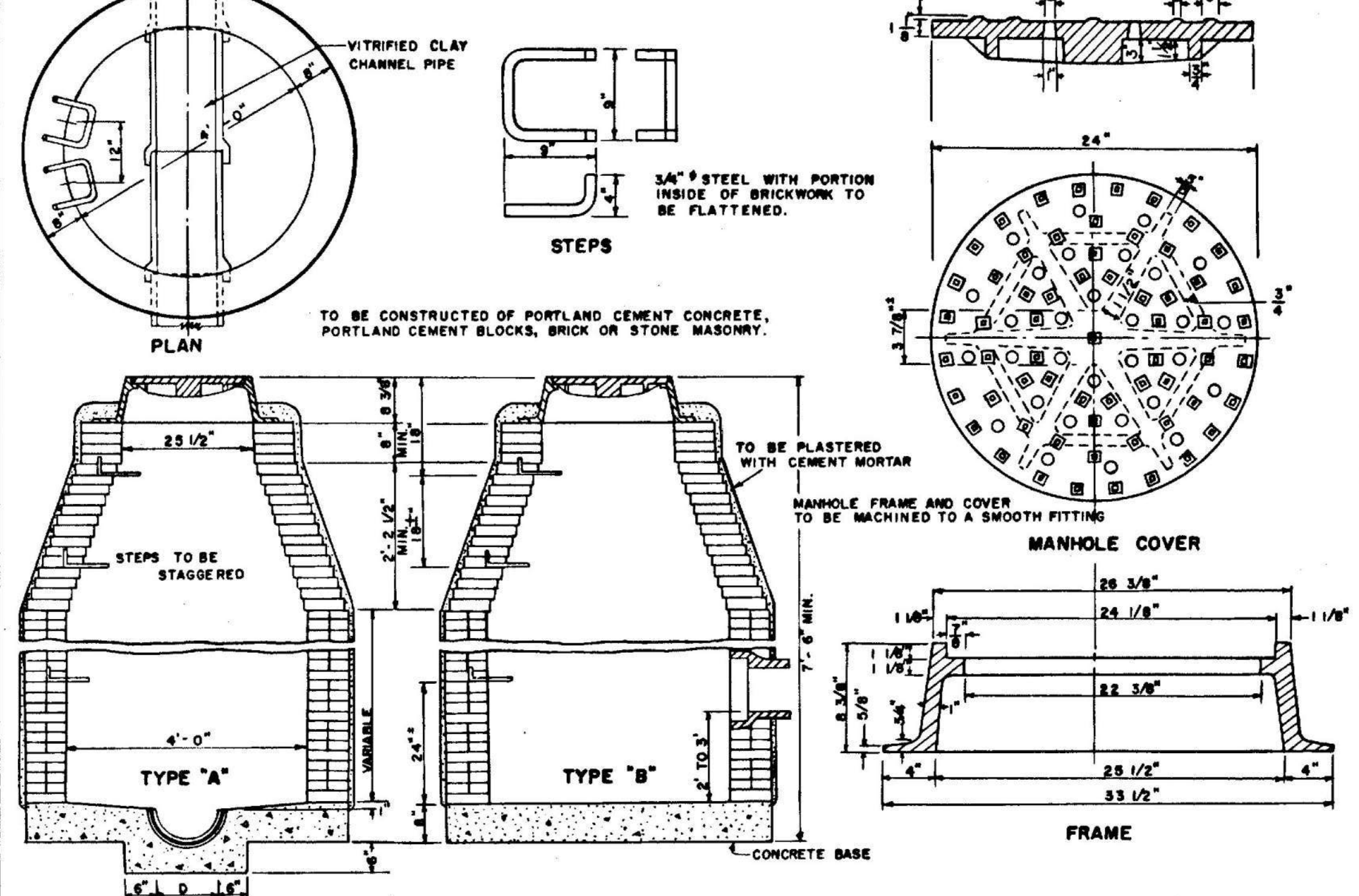
NOTE

TRAPS SIMILAR TO THOSE SHOWN FOR TYPE "B" CATCH BASIN SHALL BE USED FOR ANY CATCH BASIN WHEN REQUIRED.

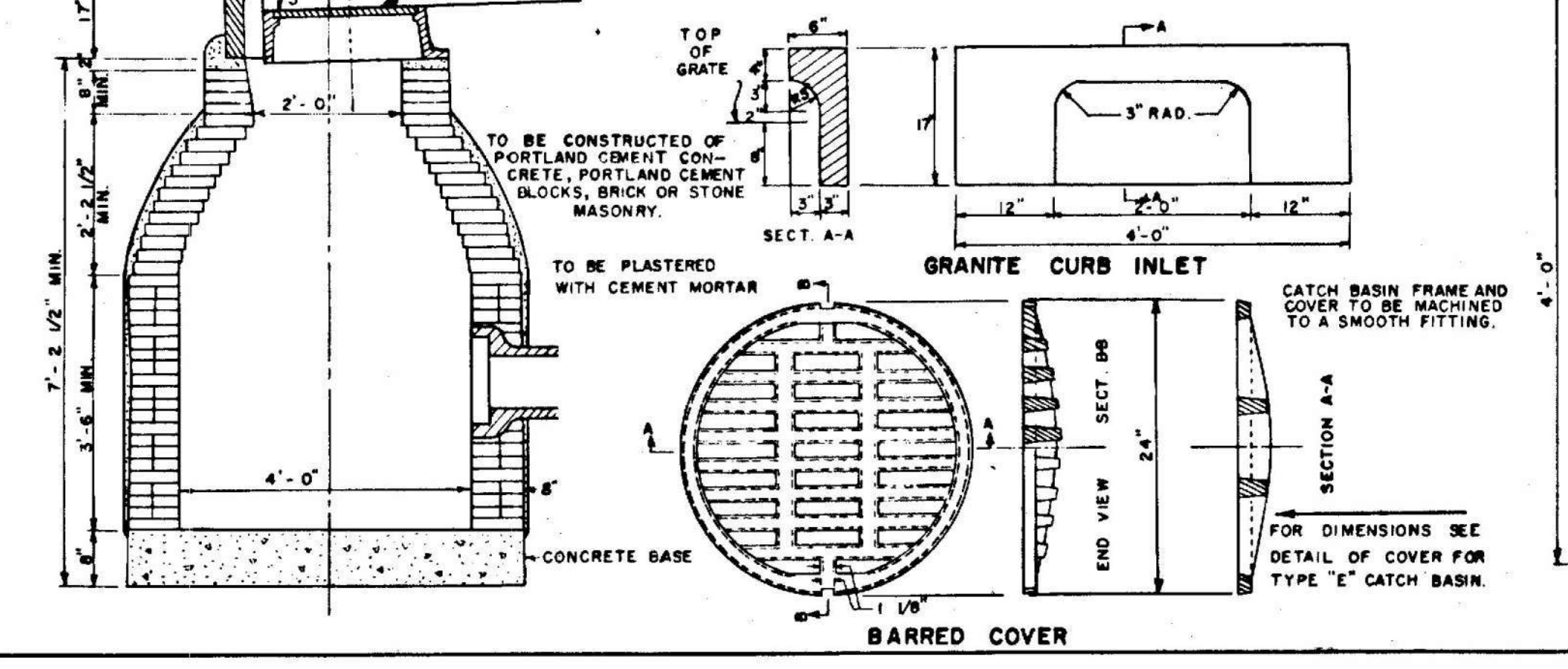
CATCH BASIN TYPE "E"



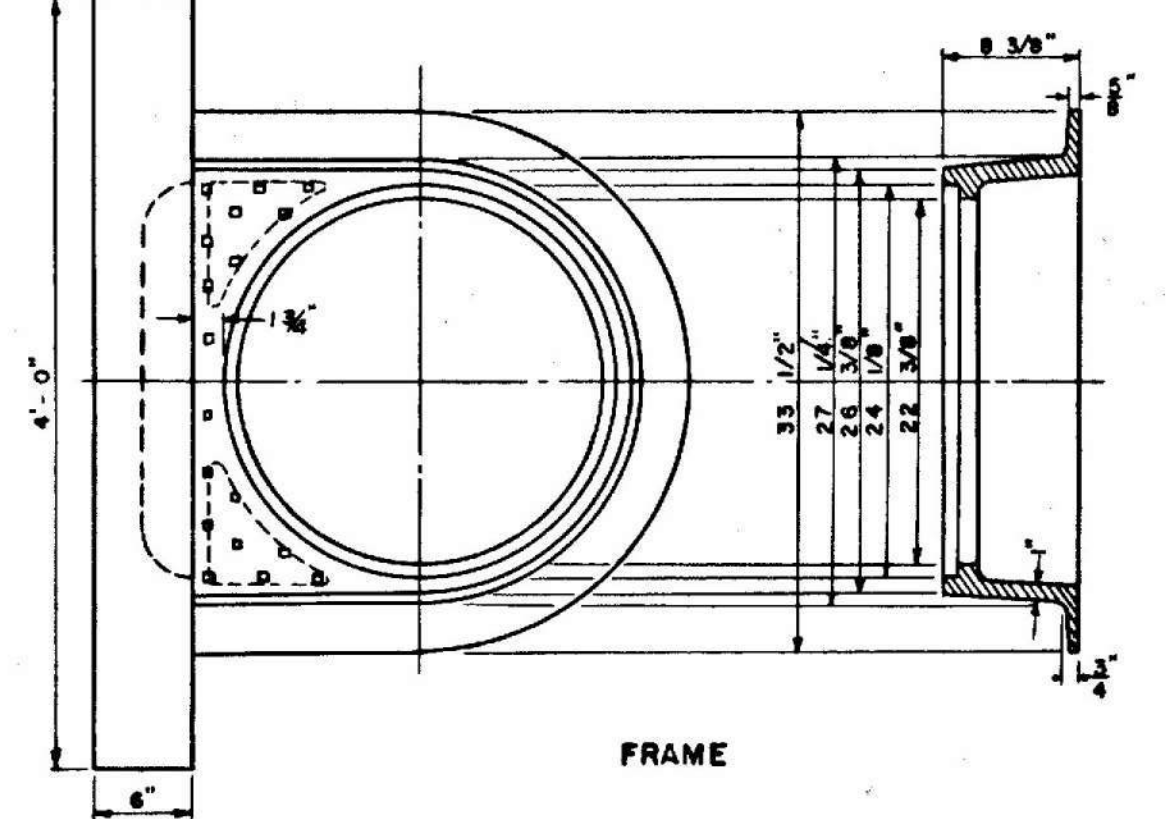
MANHOLES



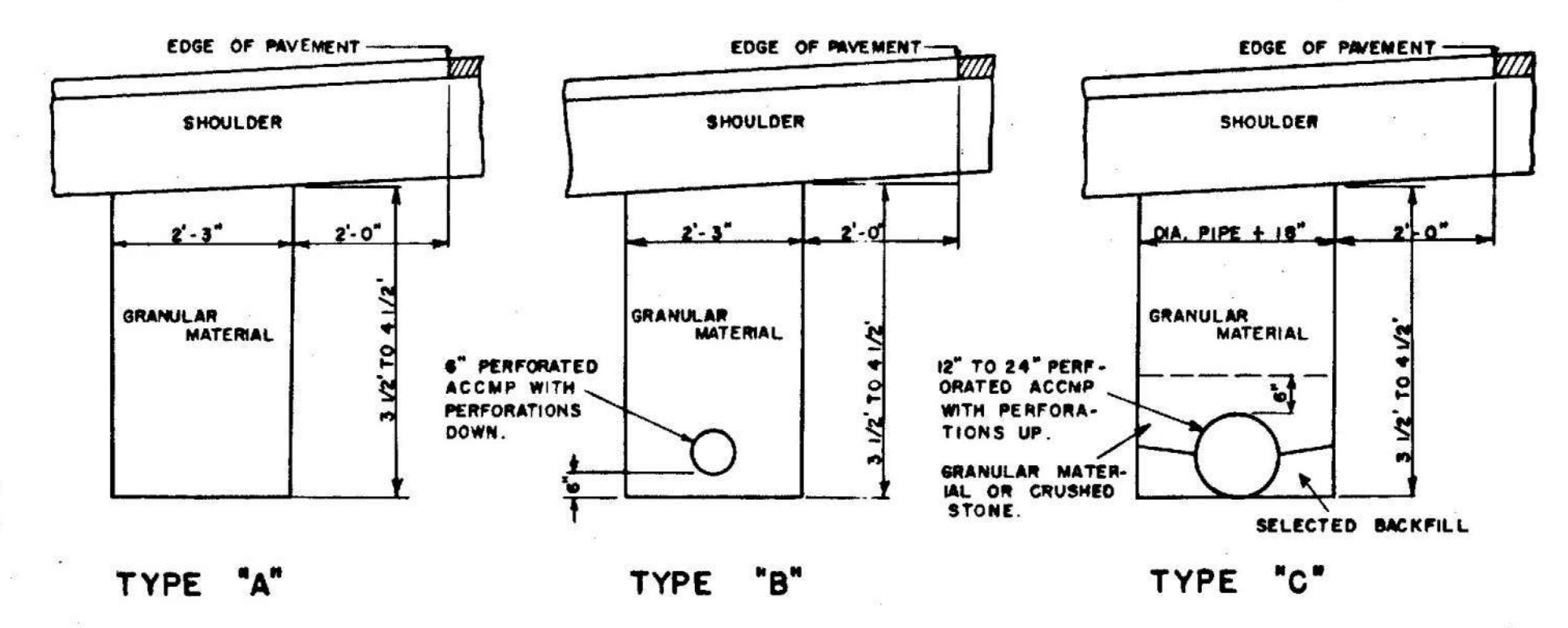
CATCH BASIN TYPE "C"



GRANITE CURB INLET



UNDERDRAIN

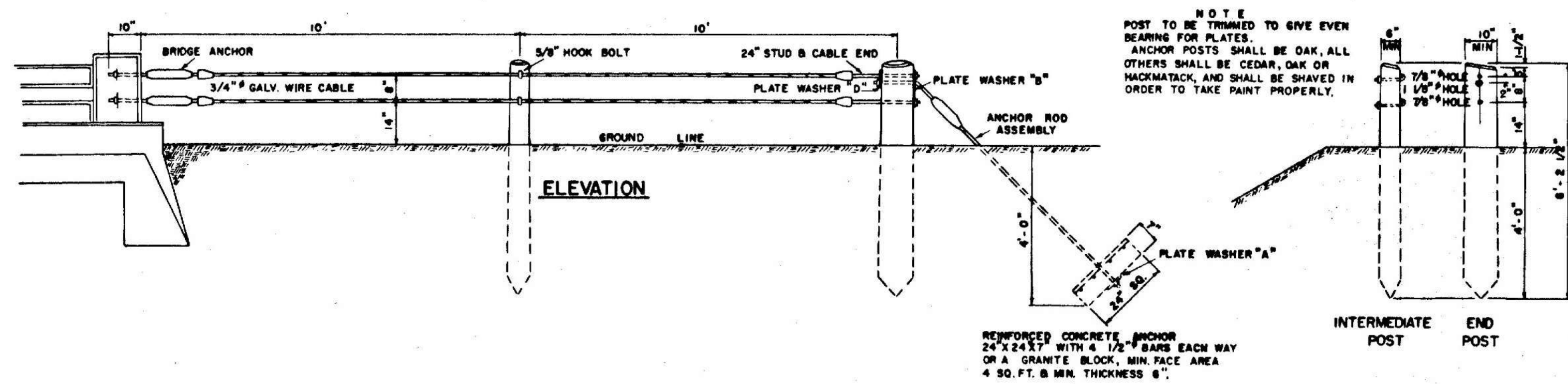


NOTE:
ALL CATCH BASINS AND MANHOLES CONSTRUCTED OF PORTLAND CEMENT BLOCKS, BRICK OR STONE MASONRY SHALL BE CYLINDRICAL IN SHAPE.

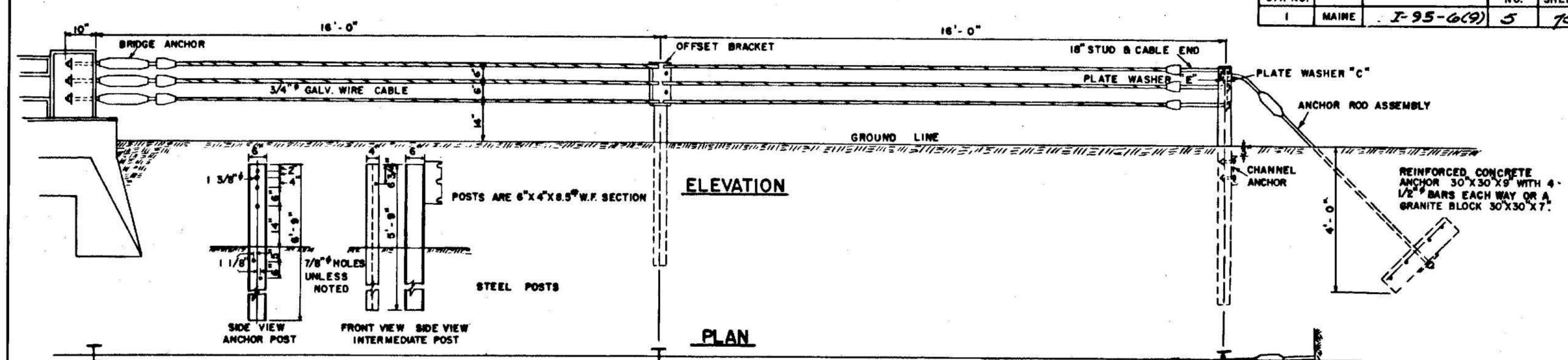
MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS

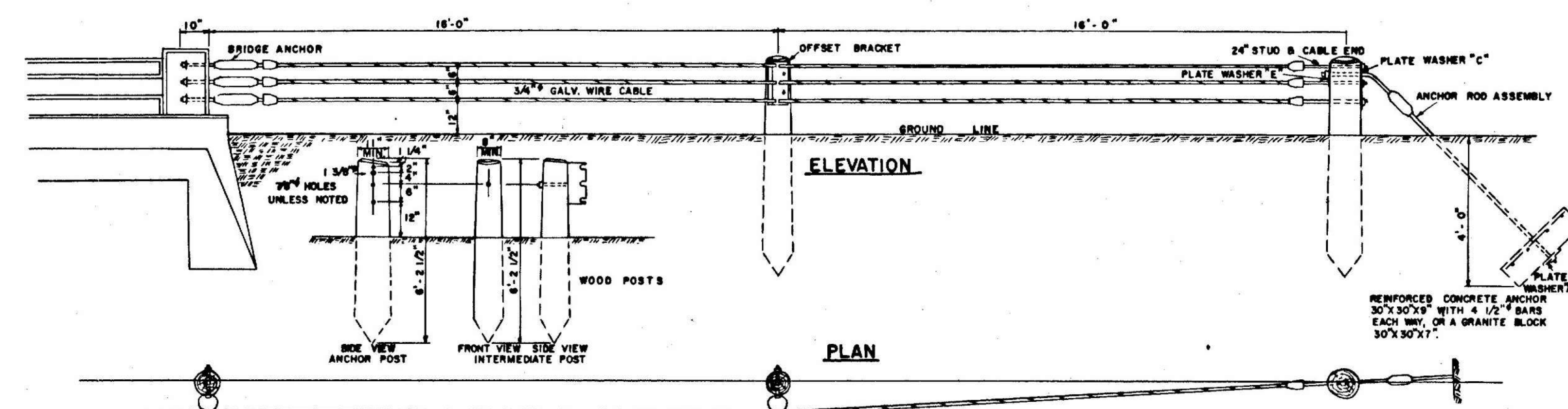
CATCH BASINS, MANHOLES,
DROP INLETS AND
UNDERDRAINS



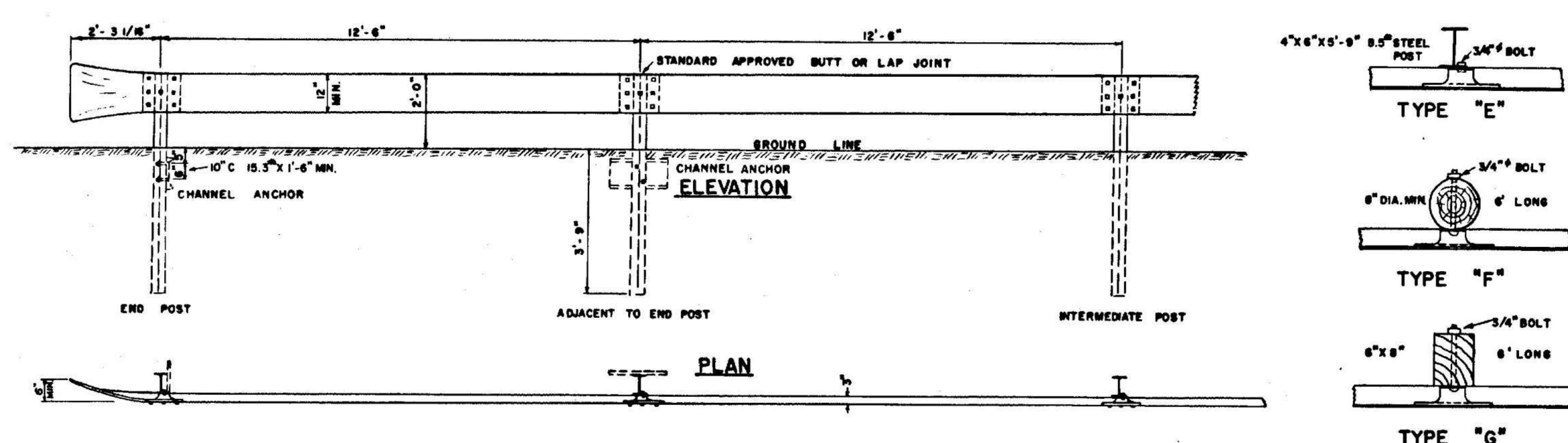
GUARD RAIL TYPE "A" & "B"



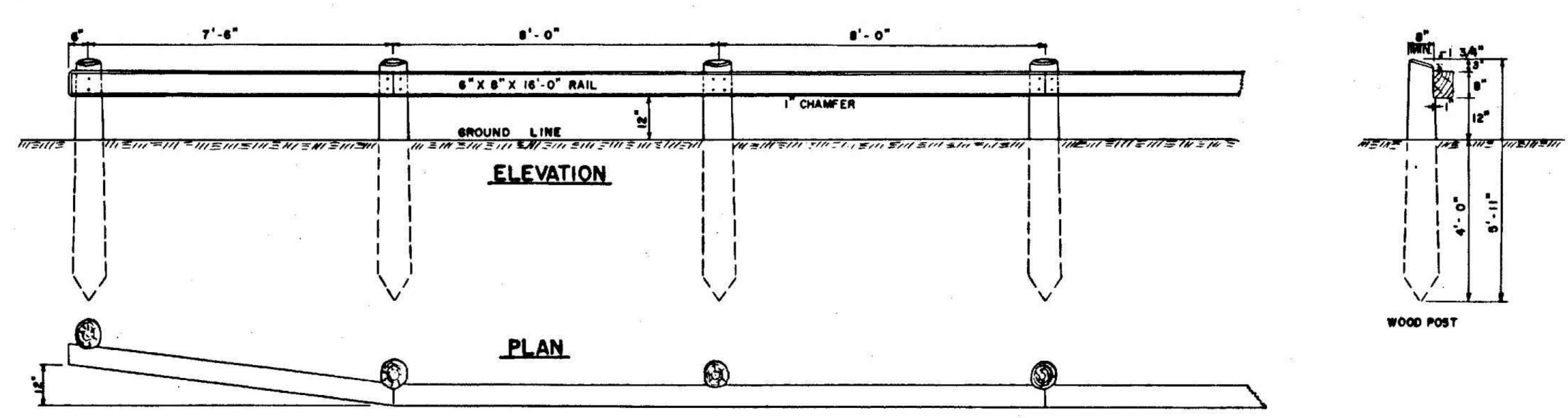
GUARD RAIL TYPE "C"



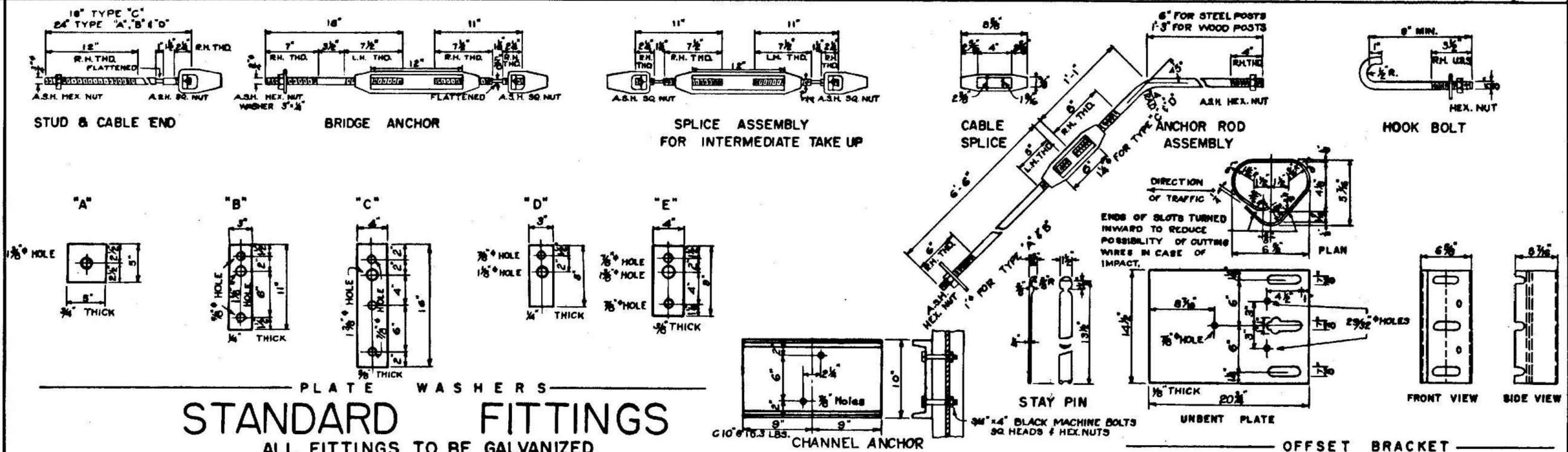
GUARD RAIL TYPE "D"



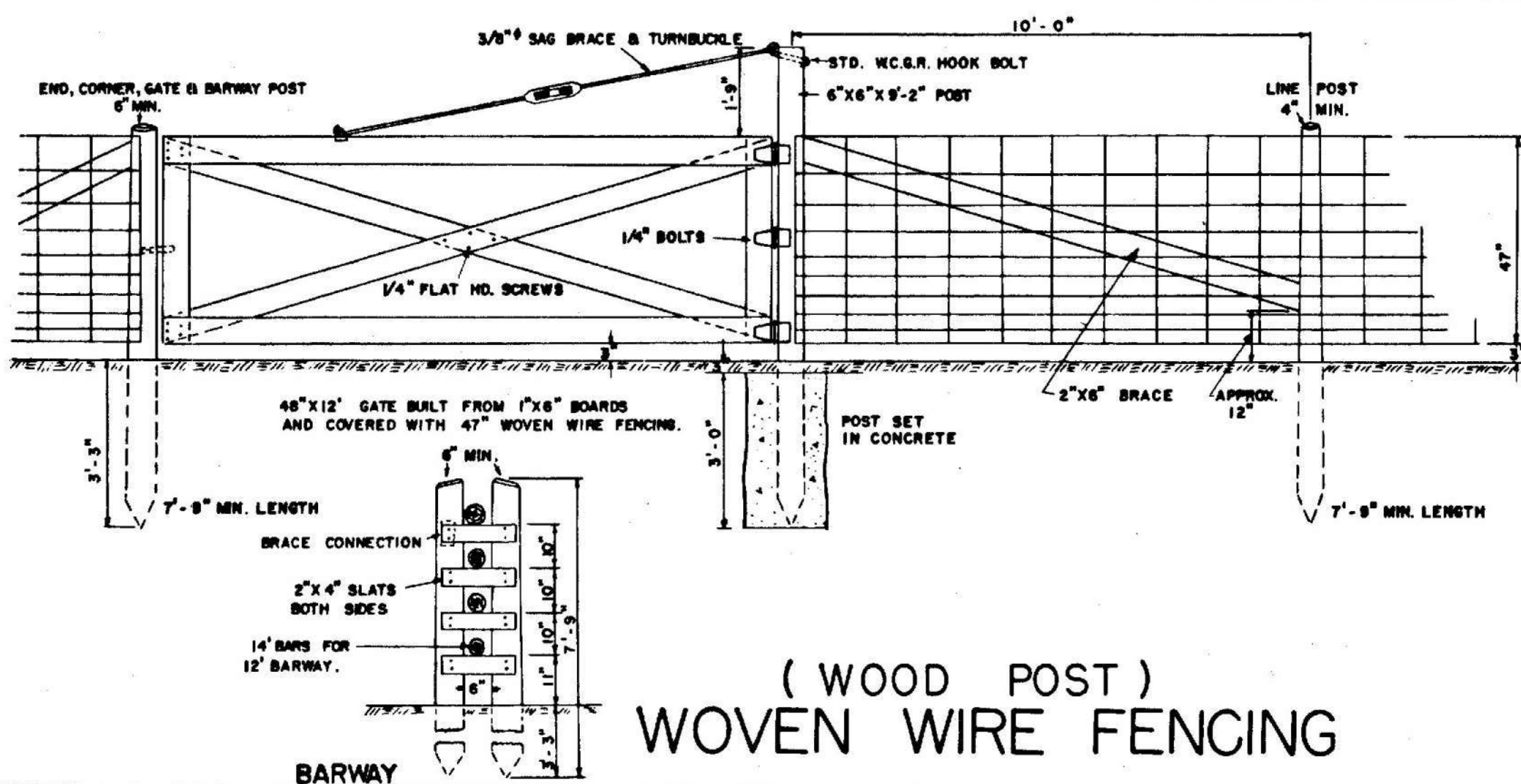
GUARD RAIL TYPE "E", "F" & "G"



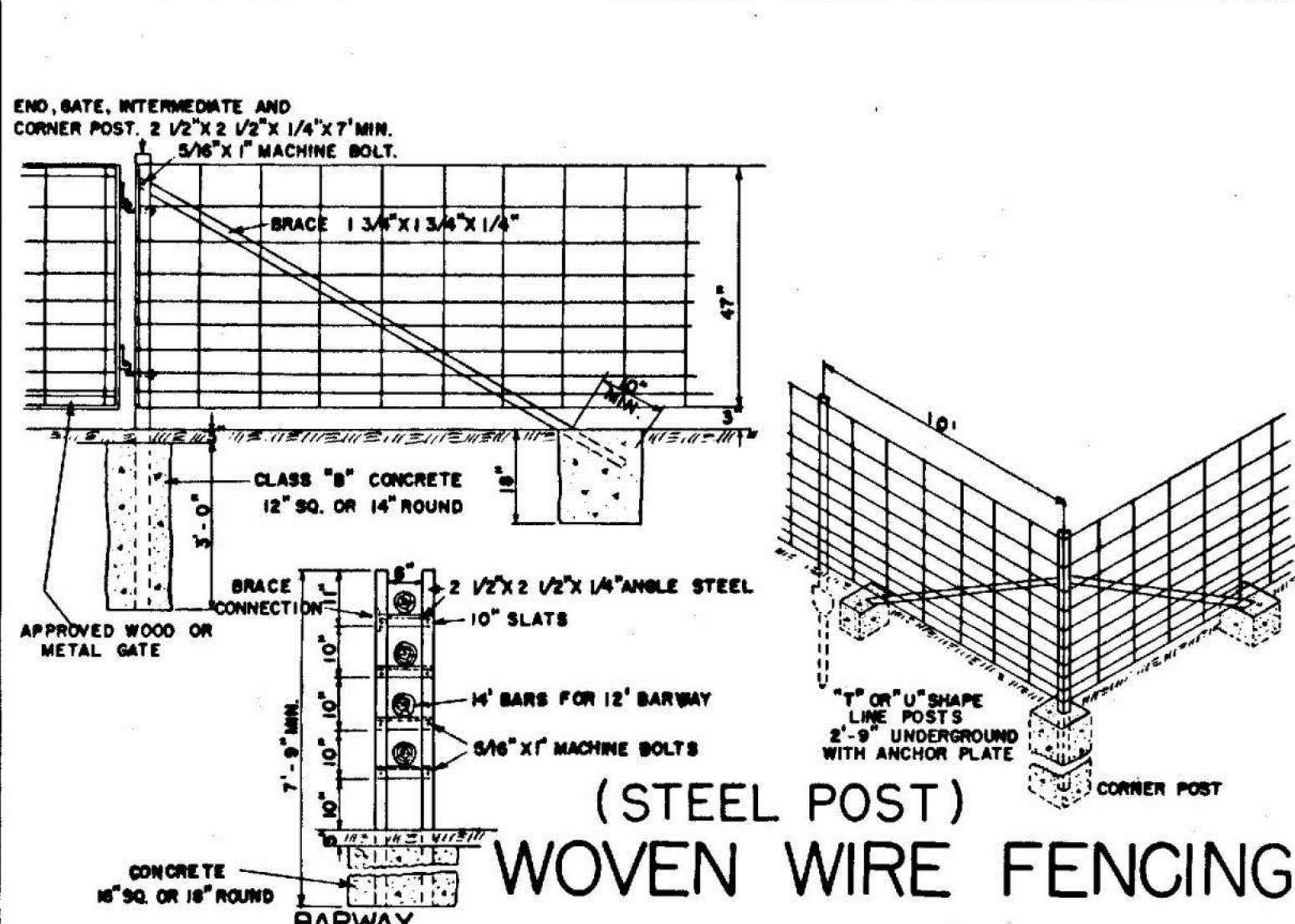
GUARD RAIL TYPE "H"



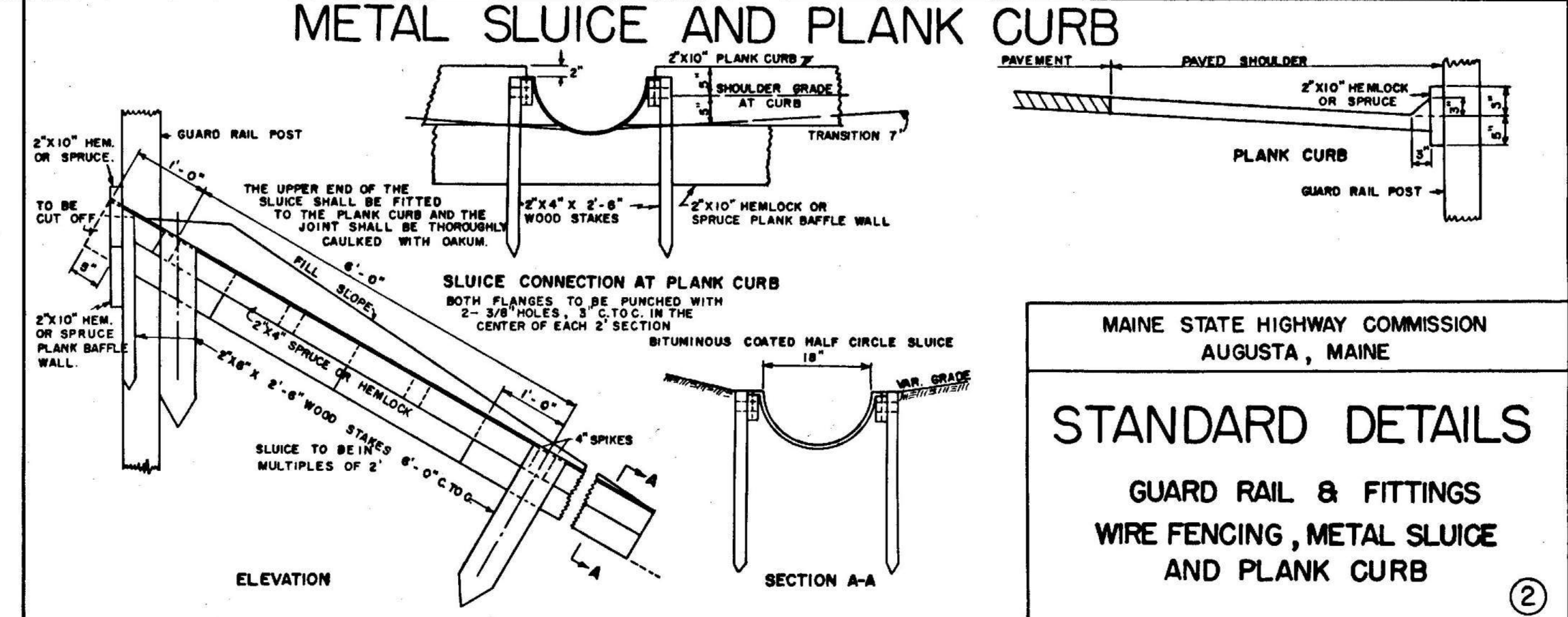
STANDARD FITTINGS
ALL FITTINGS TO BE GALVANIZED



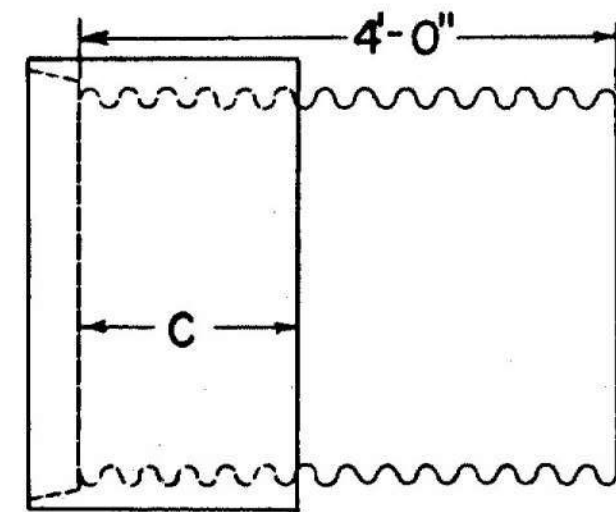
(WOOD POST)
WOVEN WIRE FENCING



(STEEL POST)
WOVEN WIRE FENCING



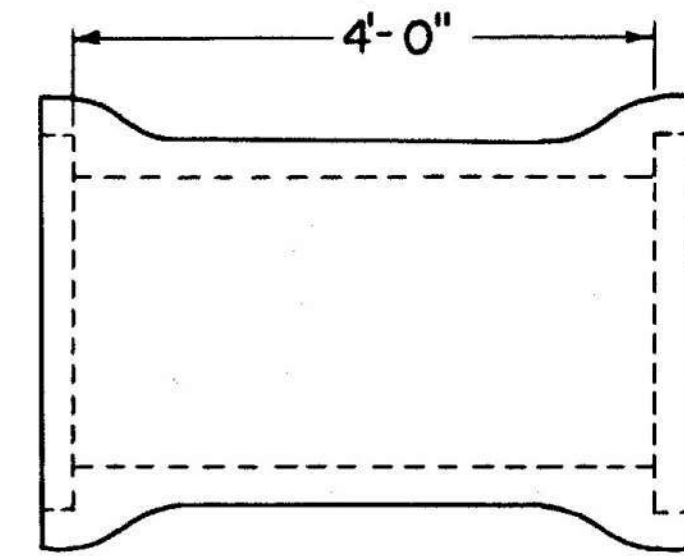
PIPE CONNECTIONS



GROOVE END COMBINATION
For 30" to 60" inclusive, diameter connection between concrete and metal pipe

"C" = 17" min. for sizes 15" to 48" incl.
"C" = 23" min. for sizes 48" to 60" incl.

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

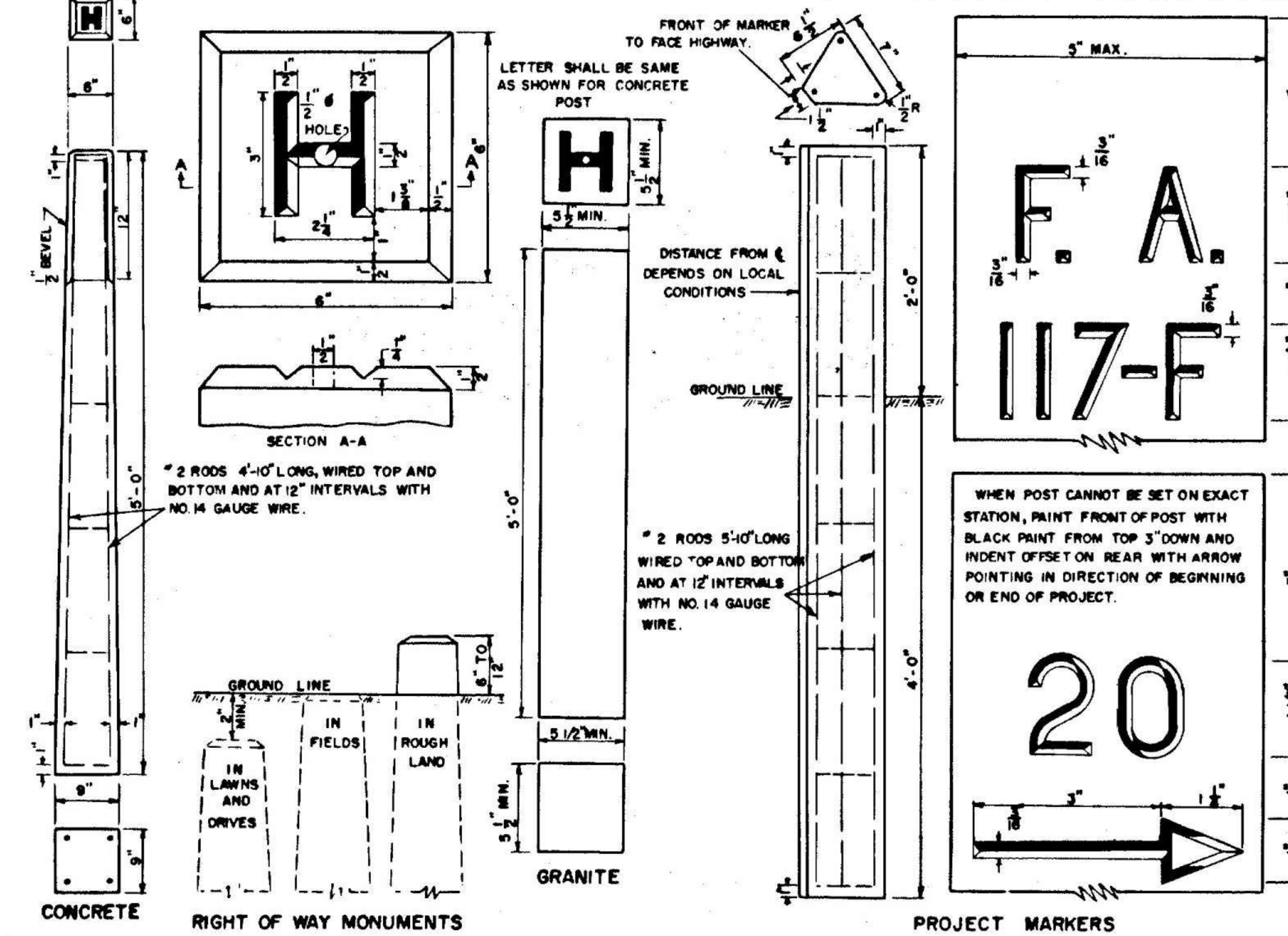


REINFORCED CONCRETE PIPE CONNECTOR DOUBLE BELL

For 15" to 24" inclusive, diameter connection between concrete and metal pipe

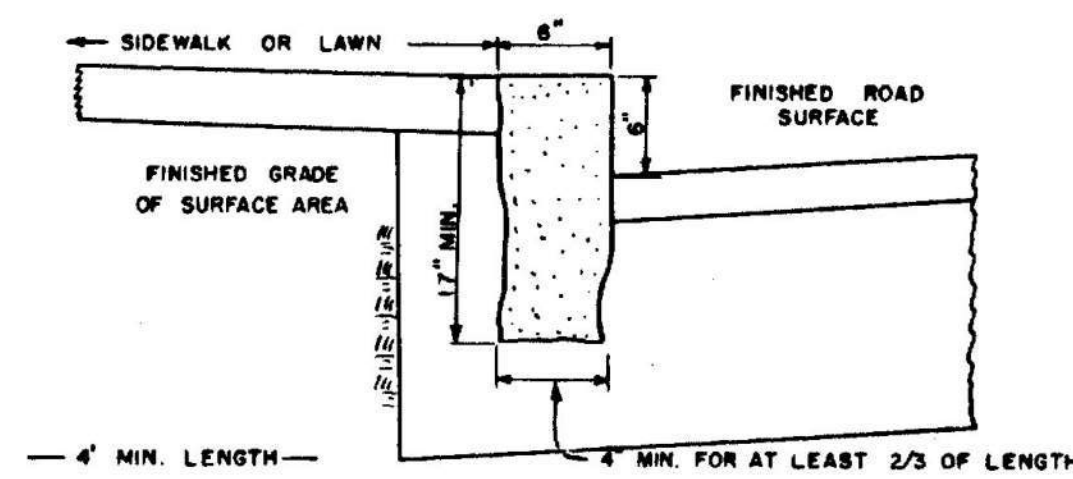
Reinforced concrete pipe shall conform to the latest standard specifications

RIGHT OF WAY MONUMENTS & PROJECT MARKERS

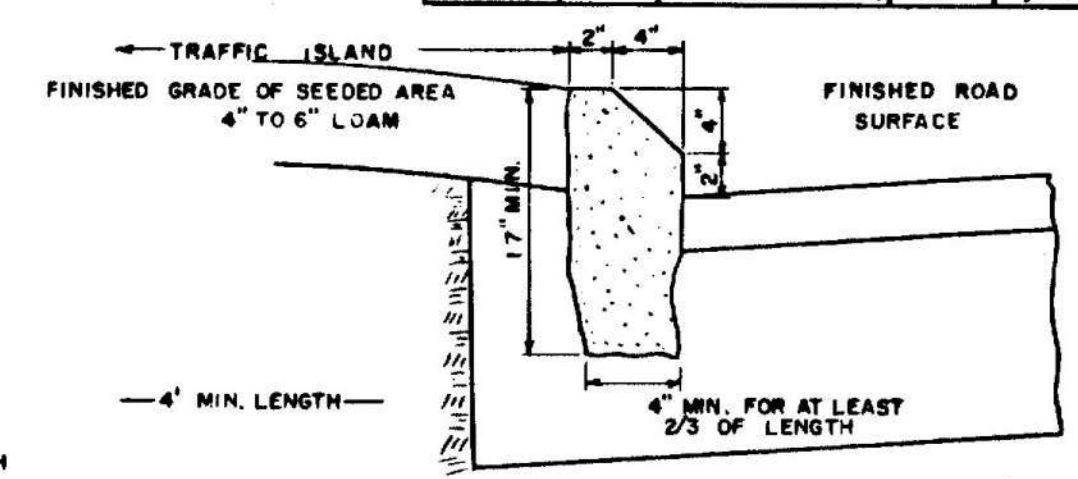


GRANITE CURB & EDGING

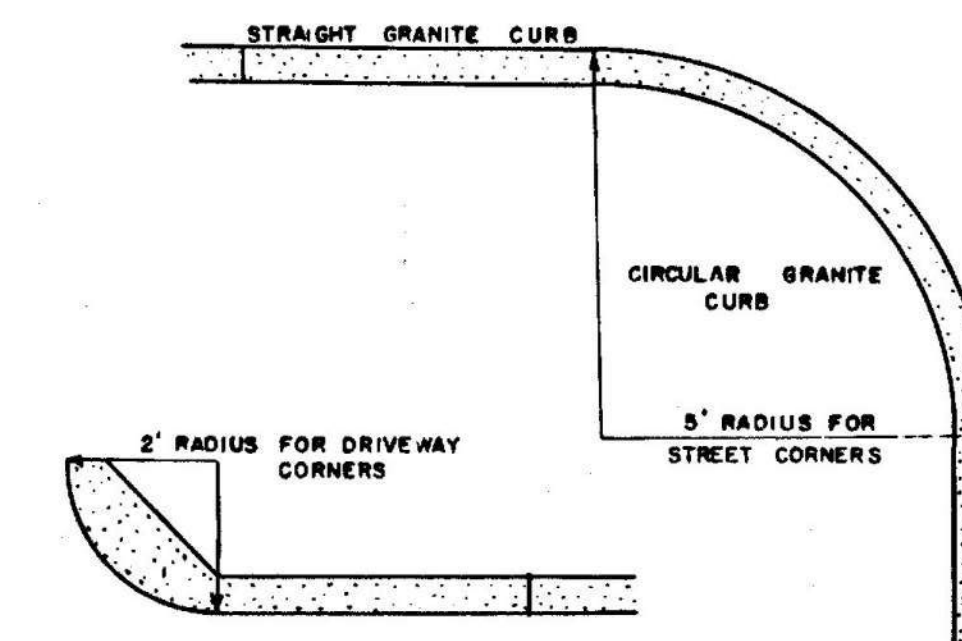
B. P. R.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
I	MAINE	2-95-649	6	75



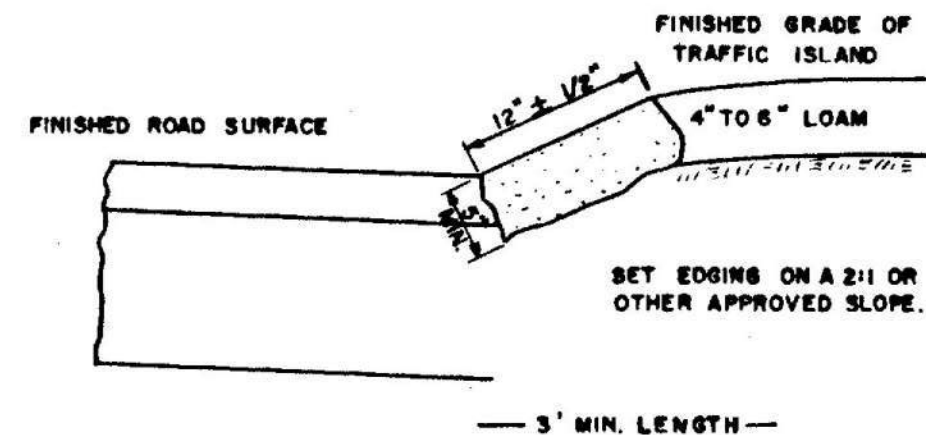
STRAIGHT GRANITE CURB



SLOPED GRANITE CURB

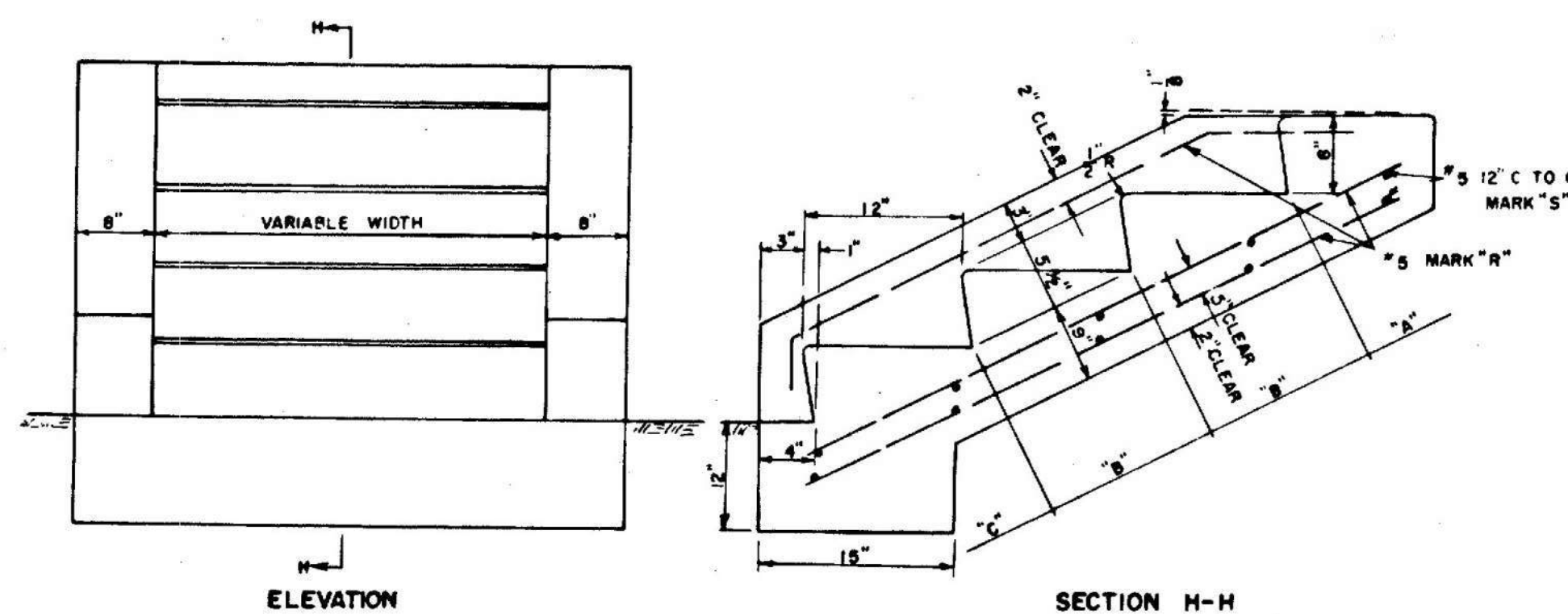


CIRCULAR GRANITE CURB



GRANITE EDGING

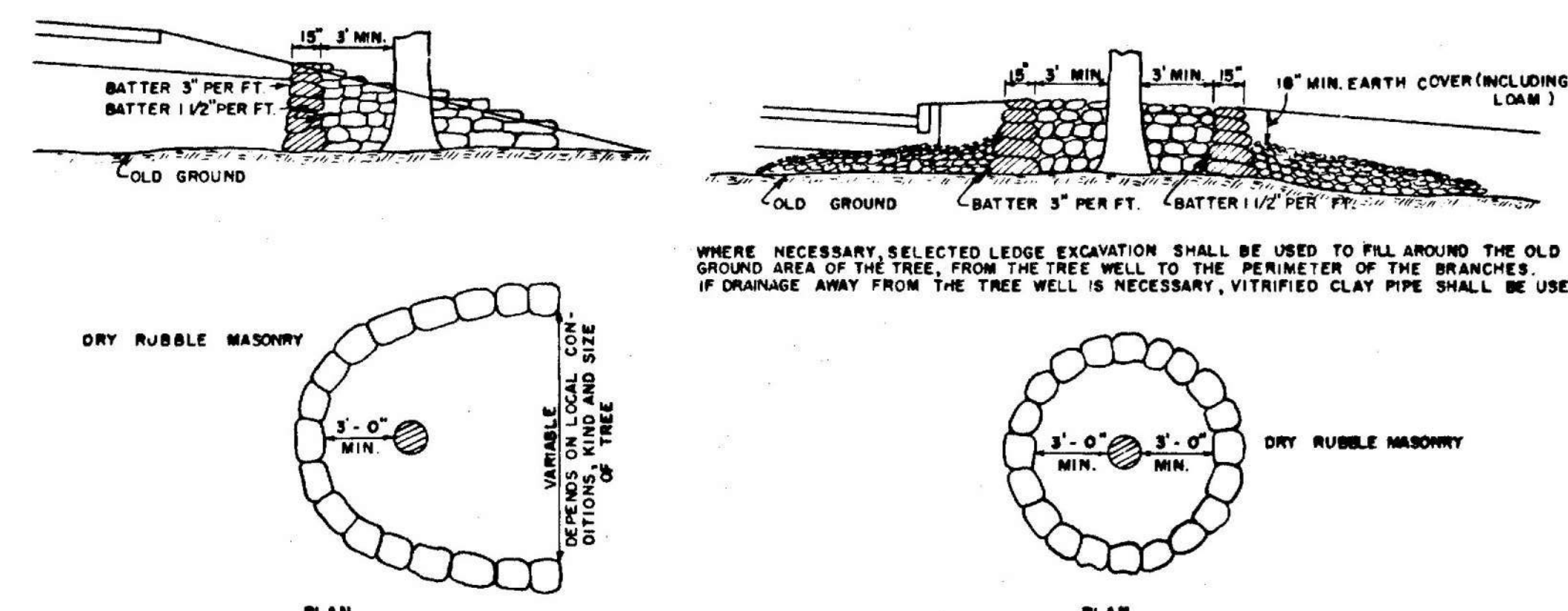
CONCRETE STEPS



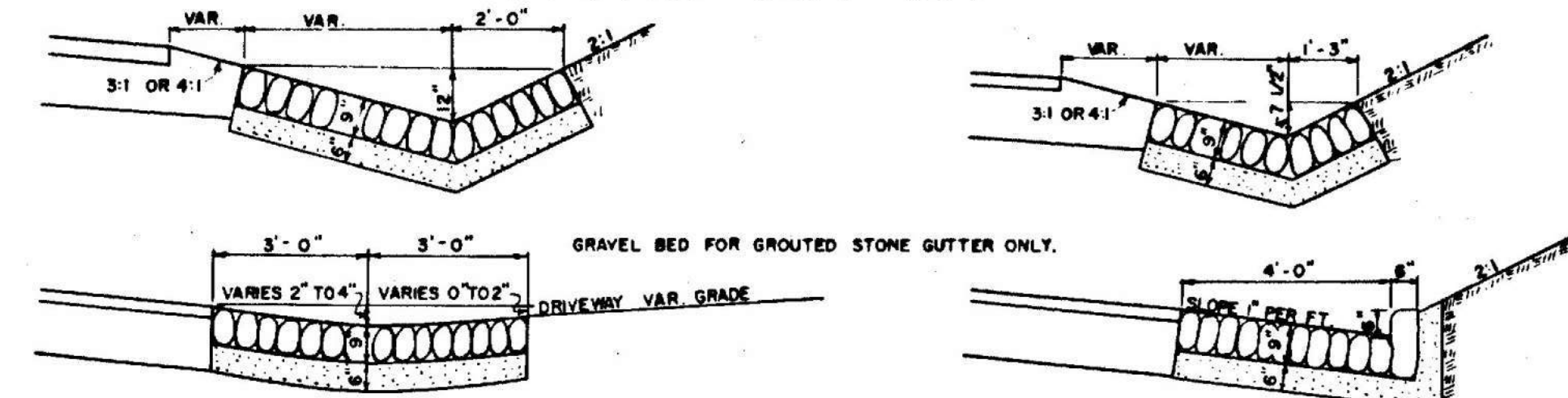
CONCRETE CLASS "A"		
SECTION	STEPS PER FT. OF WIDTH	PARAPET EACH WALL
"A" HEADER	.032 CU. YDS.	.022 CU. YDS.
"B" EA. INTER ST.	.040 CU. YDS.	.040 CU. YDS.
"C" FOOTER	.071 CU. YDS.	.065 CU. YDS.

REINFORCING STEEL			
MARK	SIZE	NUMBER	LENGTH (EACH)
R	#5	3 EACH PARAPET	6" FOR "A"
	1043 LBS. PER FT.	2 EACH FT. OF WIDTH	+13" FOR EACH "B"
			+16" FOR "C"
S	#5	2 FOR "A"	6" EACH PARAPET
	1043 LBS. PER FT.	2 FOR EACH "B"	+12" PER FT. OF WIDTH
		2 FOR "C"	

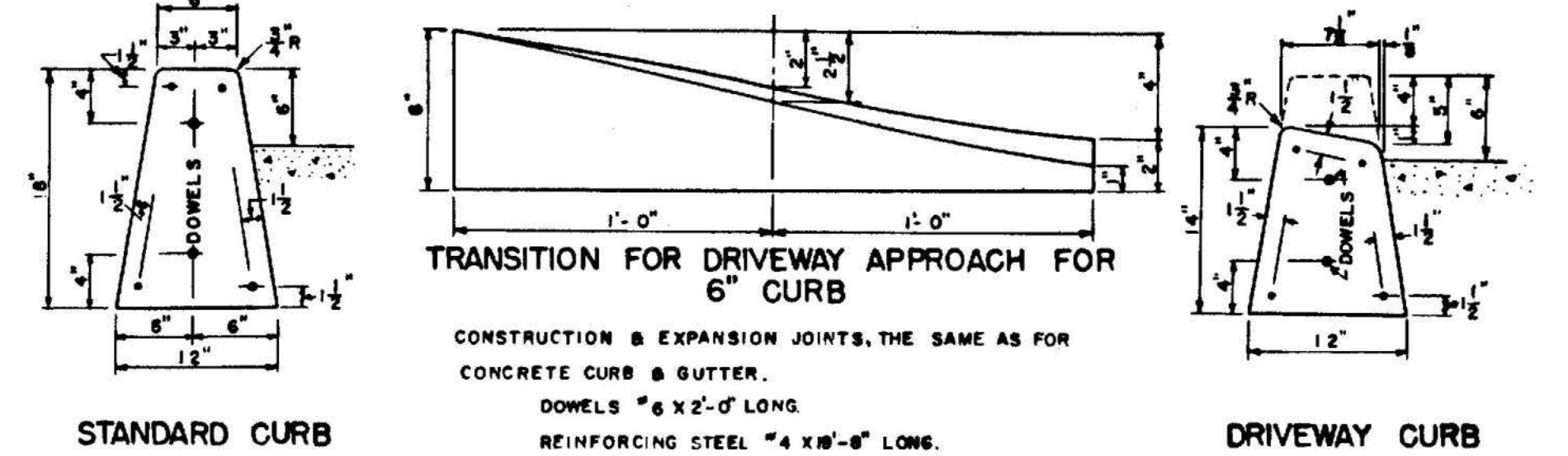
TREE WELLS



STONE GUTTER



CONCRETE CURB

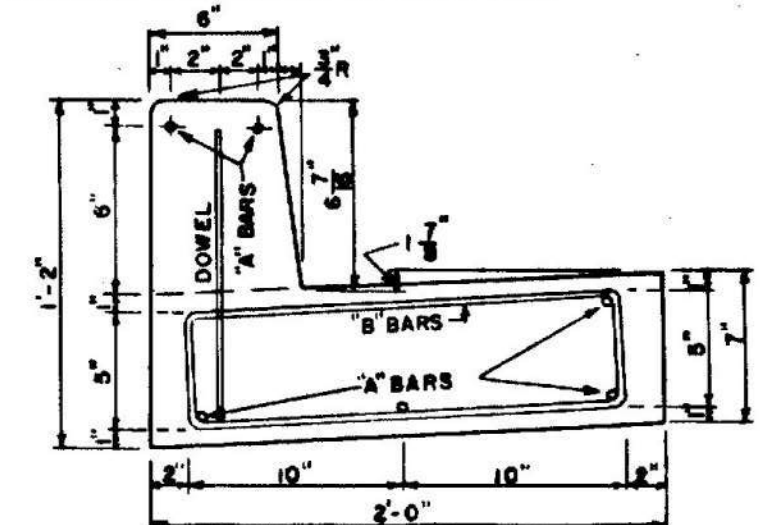


STANDARD CURB

TRANSITION FOR DRIVEWAY APPROACH FOR 6" CURB

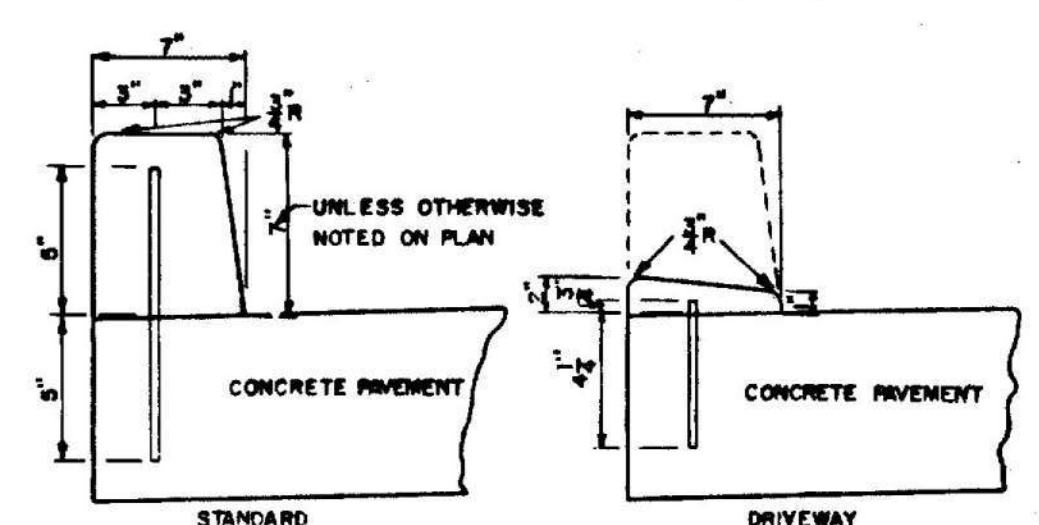
DRIVEWAY CURB

CONCRETE CURB & GUTTER



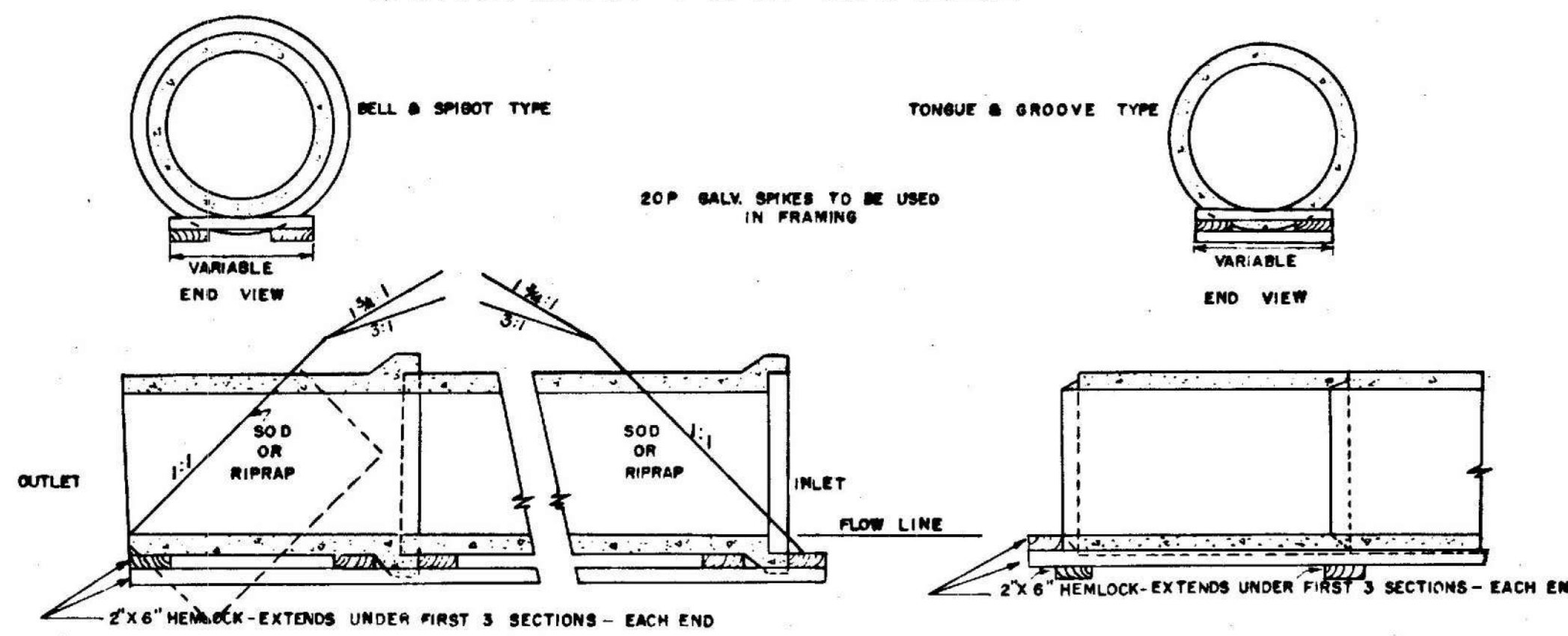
TO BE CONSTRUCTED IN 20' SECTIONS. CONSTRUCTION JOINTS TO BE PAINTED WITH BITUMINOUS MATERIAL. EXPANSION JOINTS EVERY 40' 1/2" THICK PREMOULDED MATERIAL SHALL BE PLACED IN EACH EXPANSION JOINT.
"A" BARS 3" X 19'-8" LONG. "B" BARS 3" X 4'-6" LONG. PLACE A "B" BAR 1'-3" FROM EACH END OF THE SECTION AND THEN SHAKE THEN 3'-6" C.T.O.C. THE REST OF THE SECTION. DOWELS #4 X 1'-0" LONG, SPACED 1'-0" C.T.O.C.

INTEGRAL CONCRETE CURB

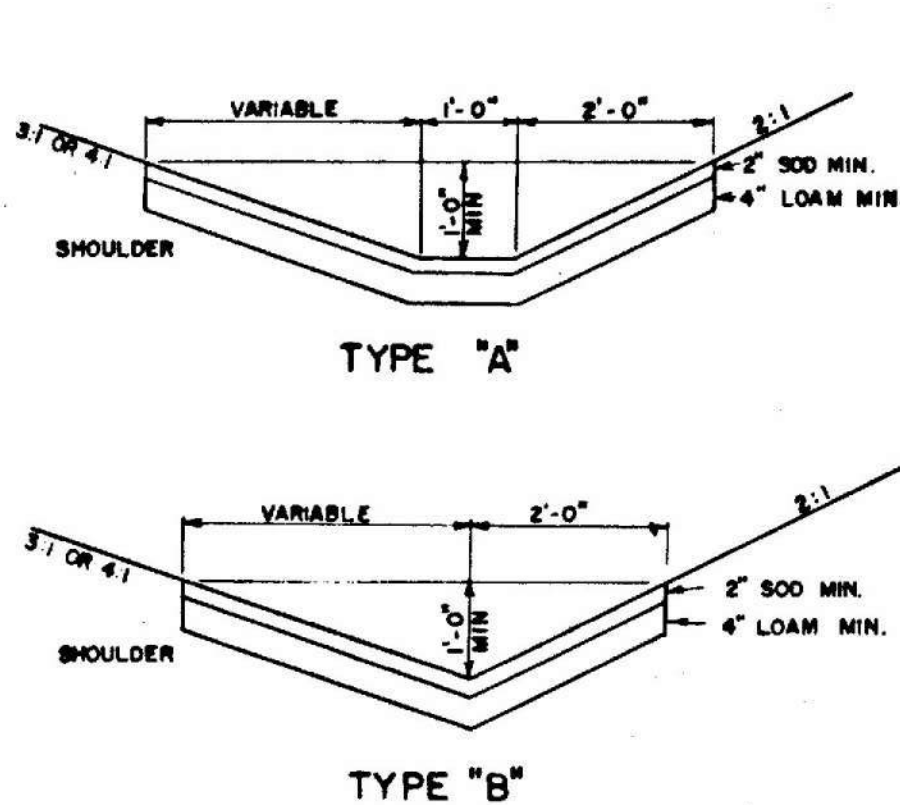


EXPANSION & DUMMY JOINTS IN CURB SHALL BE CONSTRUCTED AT SAME LOCATION AS EXPANSION & DUMMY JOINTS IN CONCRETE PAVEMENT.
DOWELS #4 SPACED 1'-0" C.T.O.C. FIRST DOWEL TO BE PLACED 6" FROM END OF JOINT.

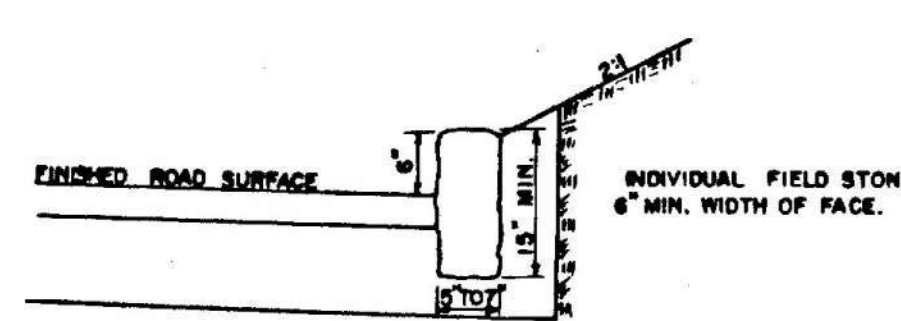
CONCRETE PIPE CRADLE



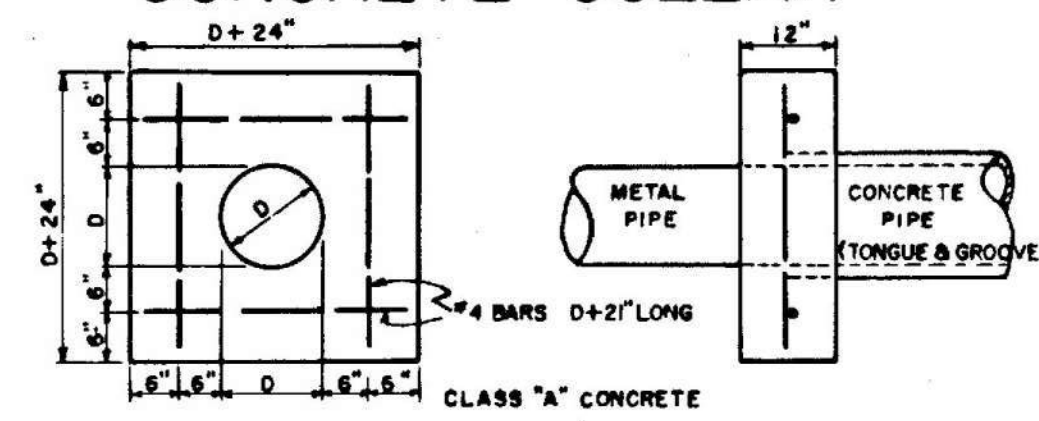
SODDED GUTTER



FIELD STONE CURB



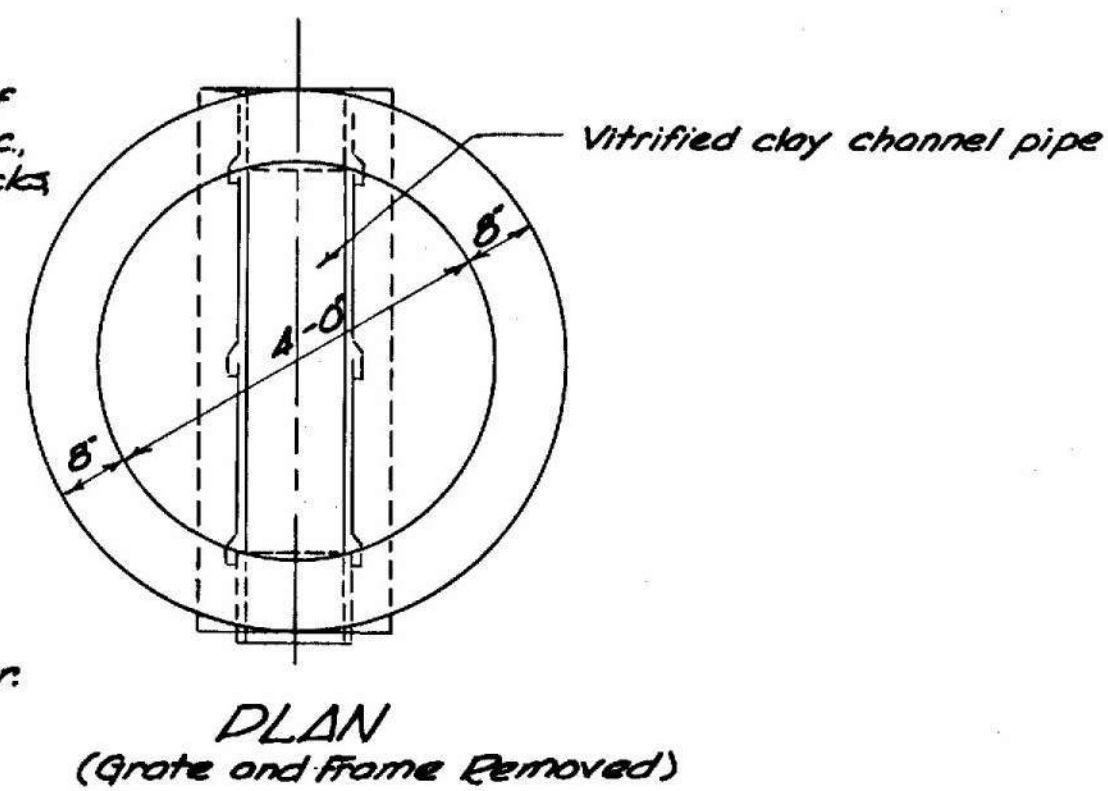
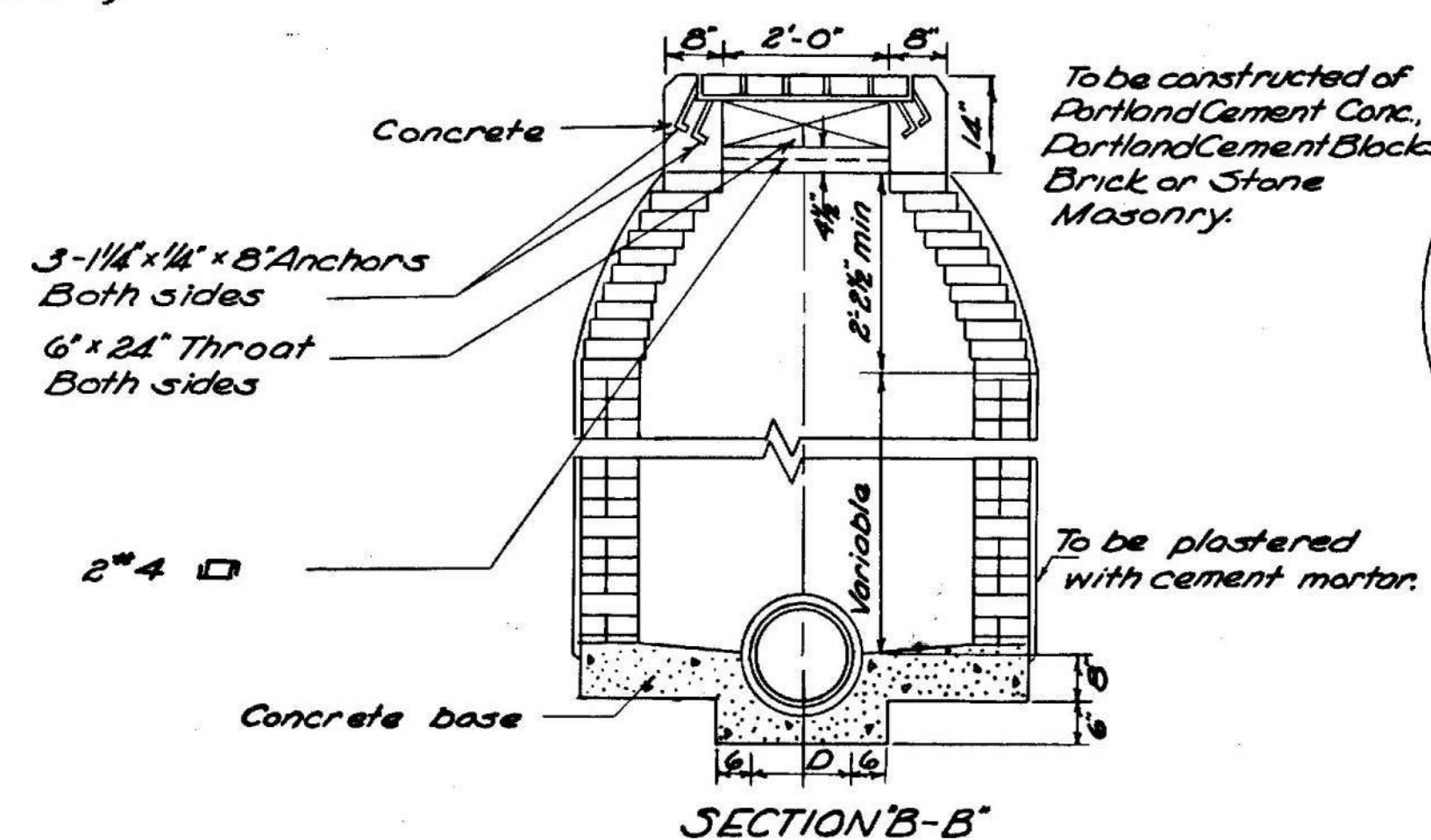
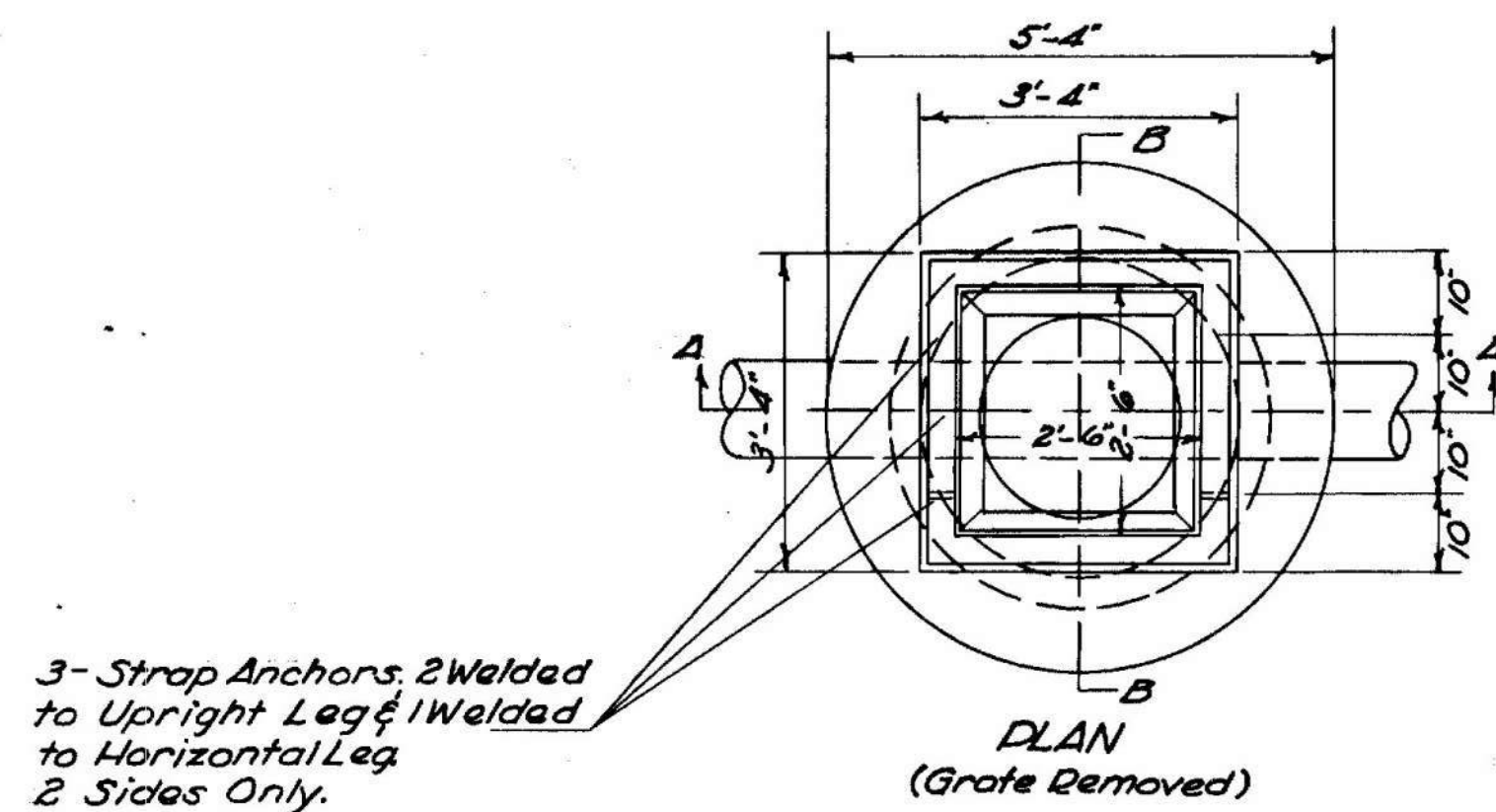
CONCRETE COLLAR



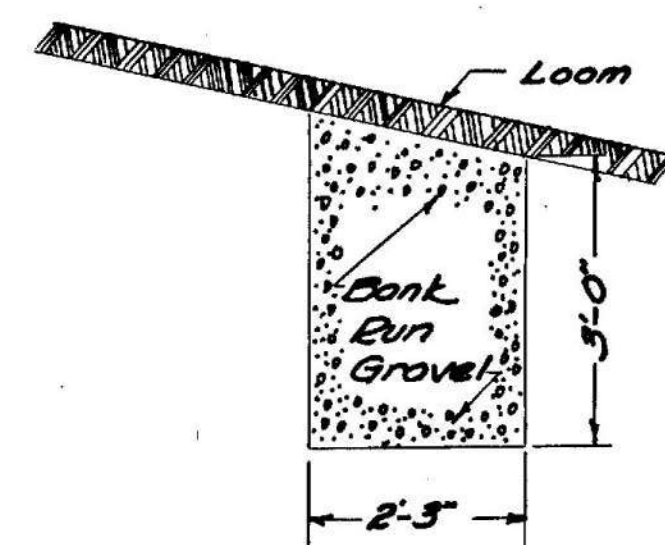
Note:
Grate with cast iron frame may be used in lieu of concrete as shown.

Grating shall be Irving Type XD with $3\frac{1}{2} \times \frac{1}{4}$ " bearing bars & $1\frac{1}{2} \times \frac{1}{4}$ " cross bars or approved equal Rated for 4-20 wheel loads

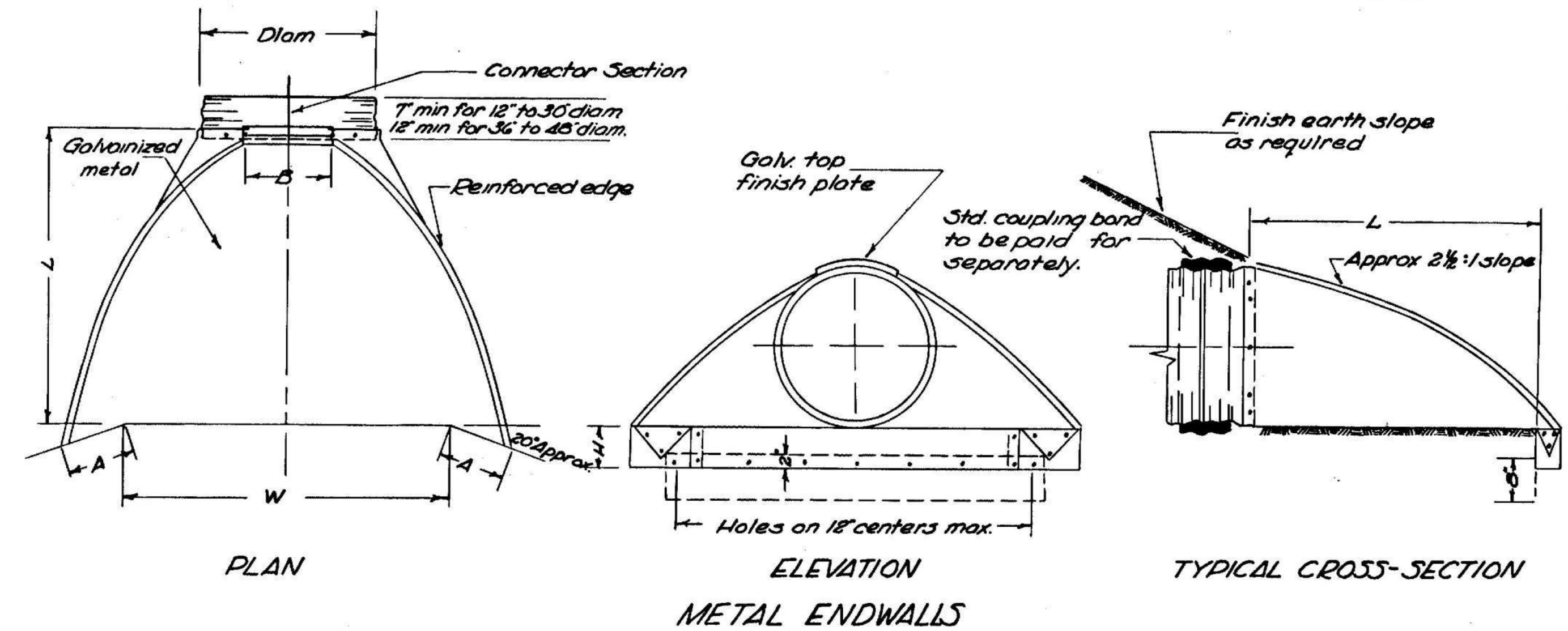
Note:
Frame & grate shall be galvanized after fabrication.



TYPE "G" CATCH BASIN
Scale: $\frac{1}{2}'' = 1'-0''$



TYPICAL CROSS SECTION
CUT SLOPE DRAIN
Scale: $\frac{1}{2}'' = 1'-0''$



Pipe Diam.	Gauge	Dimensions					
		A 1" Tol.	B Max.	H 1" Tol.	L 1-1/4" Tol.	W 2" Tol.	
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	

Note:

Toe plate, where required, to be punched to match holes in skirt lip. Length of toe plate is $W + 10''$ for 12" to 30" diam. pipe, inclusive, and $W + 22''$ for 36" to 42" diam. pipe, inclusive.
Skirt section for 12" to 24" diam. pipe inclusive, to be made in one piece. Skirt section for 30" to 42" diam. pipe may be made from two sheets joined by riveting or bolting on center line.
Connector section, corner plate and toe plate to be same gauge as skirt and each to be galvanized.
Toe plate, where required, to be included in unit cost.

FENCING
SB 679+01 to 686+30
SB 702+0 to 717+06

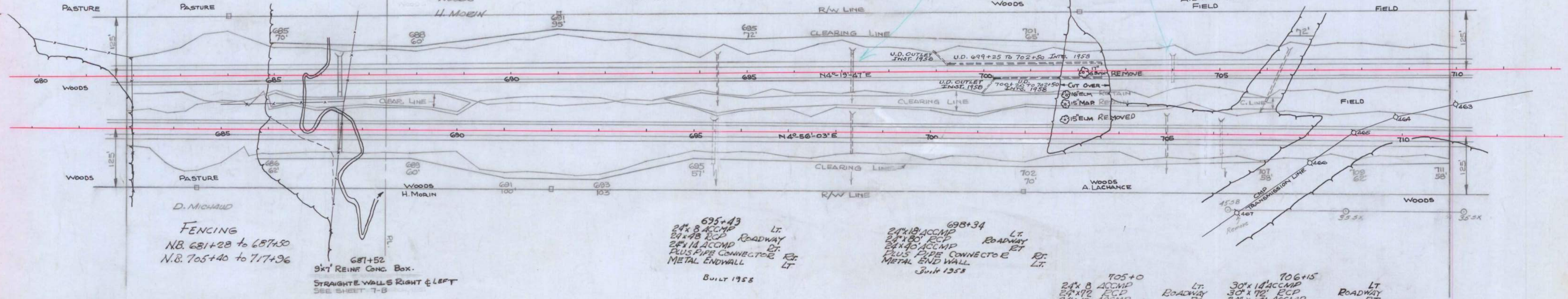
686+40
9'x7' REINF. CONC. BOX
STRAIGHT WALLS LEFT
STRAIGHT WALLS RIGHT
SEE SHEET T-B

694+38
24"x10" ACCMP LT.
24"x48" RCP ROADWAY LT.
24"x10" ACCMP RT.
PLUS PIPE CONNECTOR RT.
METAL ENDWALL LT.
BUILT 1958

696+82
24"x16" ACCMP LT.
24"x68" RCP ROADWAY LT.
24"x10" ACCMP RT.
PLUS PIPE CONNECTOR RT.
METAL ENDWALL LT.
BUILT 1958

704+1
24"x18" ACCMP LT.
24"x56" RCP ROADWAY LT.
24"x10" ACCMP RT.
PLUS PIPE CONNECTOR RT.
METAL ENDWALL LT.
BUILT 1958

706+28
30"x10" ACCMP LT.
30"x68" RCP ROADWAY LT.
30"x16" ACCMP RT.
PLUS PIPE CONNECTOR RT.
METAL ENDWALL LT.
BUILT 1958



FENCING
NB 681+28 to 687+50
N.B. 705+40 to 717+36

687+52
9'x7' REINF. CONC. BOX
STRAIGHT WALLS RIGHT & LEFT
SEE SHEET T-B

695+43
24"x8" ACCMP LT.
24"x48" RCP ROADWAY LT.
24"x10" ACCMP RT.
PLUS PIPE CONNECTOR RT.
METAL ENDWALL LT.
BUILT 1958

698+34
24"x18" ACCMP LT.
24"x80" RCP ROADWAY LT.
24"x10" ACCMP RT.
PLUS PIPE CONNECTOR RT.
METAL ENDWALL LT.
BUILT 1958

705+0
24"x8" ACCMP LT.
24"x72" RCP ROADWAY LT.
24"x12" ACCMP RT.
PLUS PIPE CONNECTOR RT.
METAL ENDWALL LT.
BUILT 1951

706+15
30"x14" ACCMP LT.
30"x72" RCP ROADWAY LT.
30"x12" ACCMP RT.
PLUS PIPE CONNECTOR RT.
METAL ENDWALL LT.
BUILT 1958

CLEARING LINES IN THE UNDEVELOPED MEDIAN
THE INTENT IS TO CLEAR 5 FEET BEYOND THE
LINE OF IMPROVEMENT, TO LEAVE ALL THE WOODS
POSSIBLE IN THIS AREA.

CLEARING STA. 685+0 TO STA. 713+0

677+50 TO 764+0 18" GRAVEL BASE



PLAN 1 PLAN PROFILE 2 GRAVEL BASE

SIDNEY INTERSTATE 2

