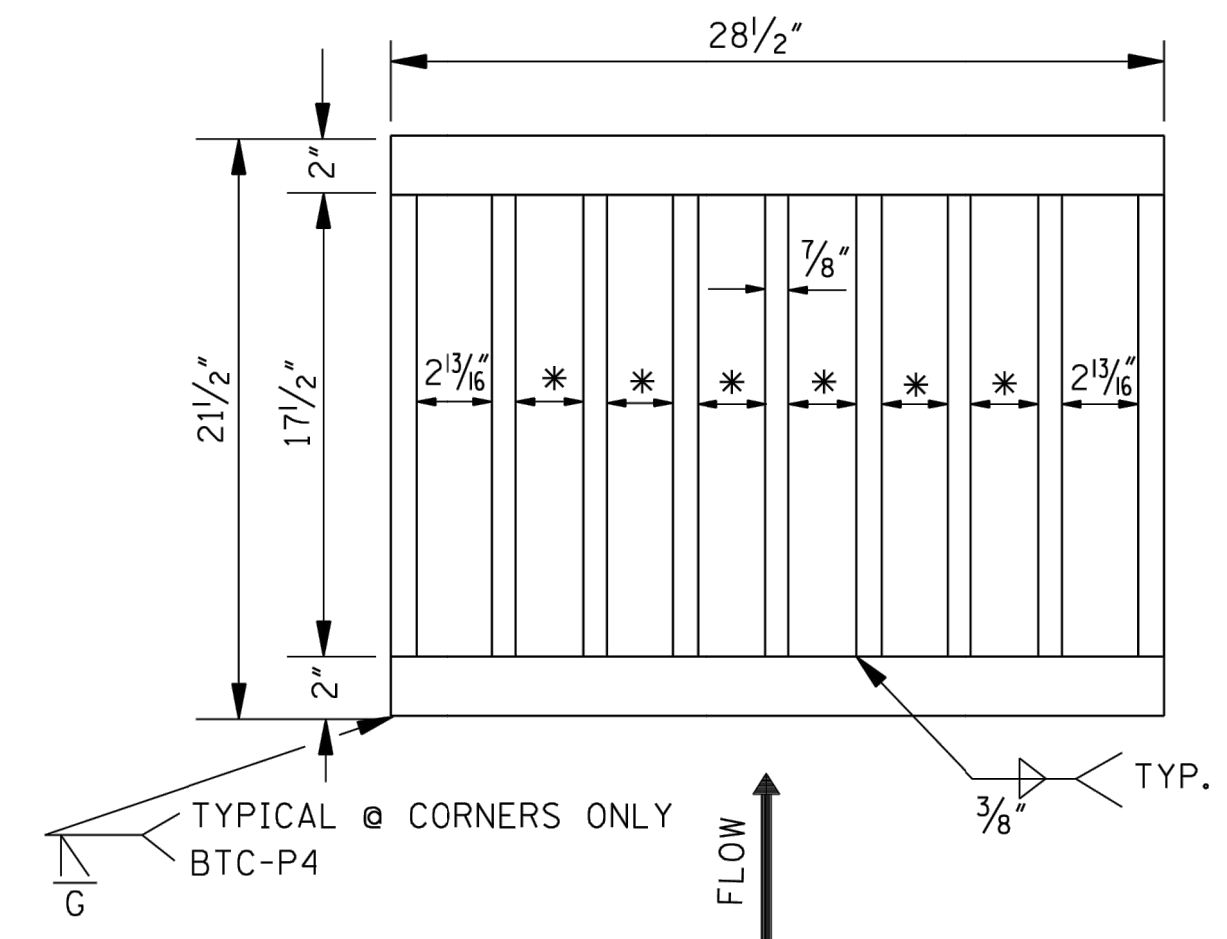




STATE	PROJECT NO.
MISS.	

INLET QUANTITIES				
INLET TYPE	CONC. (yd ³)	STEEL (lbs)	EACH ADDED FOOT	
			CONC. (yd ³)	STEEL (lbs)
I	0.097*	18 *	0.210	24
II	0.448	30		

*NOTE: 6" MINIMUM HEIGHT INLET WITH AN ASSUMED BOX CULVERT THICKNESS (T) OF 6".



PLAN OF GRATE NO.1
*NOTE: TYPICAL SPACING 2 1/2".

GENERAL NOTES:

- QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
- ANY STACK PIPE THAT MUST BE CUT OFF WILL BE PAID FOR AT FULL PIPE LENGTH AS THOUGH INSTALLED.
- EACH STACKED PIPE JOINT SHALL BE SEALED WITH BUTYL PER C990 OR RUBBER GASKET PER C443 AND C1619, THEN WRAPPED WITH GEOTEXTILE FABRIC, 24" WIDE, AASHTO M 288 EOS= 100+. THE FABRIC SHALL OVERLAP A MINIMUM OF 12" AT THE WRAP AND SHALL BE SECURED WITH STRING OR WIRE FOR BACKFILLING. THE COST SHALL BE ABSORBED IN OTHERS ITEMS BID.
- THE CONTRACTOR HAS THE OPTION TO PROVIDE GRATE NO. 1 OR GRATE NO. 2 AS SHOWN ON SHEET IG-1.
- CONCRETE SHALL BE CLASS "B" CONCRETE AND REINFORCING STEEL SHALL BE DEFORMED BARS.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

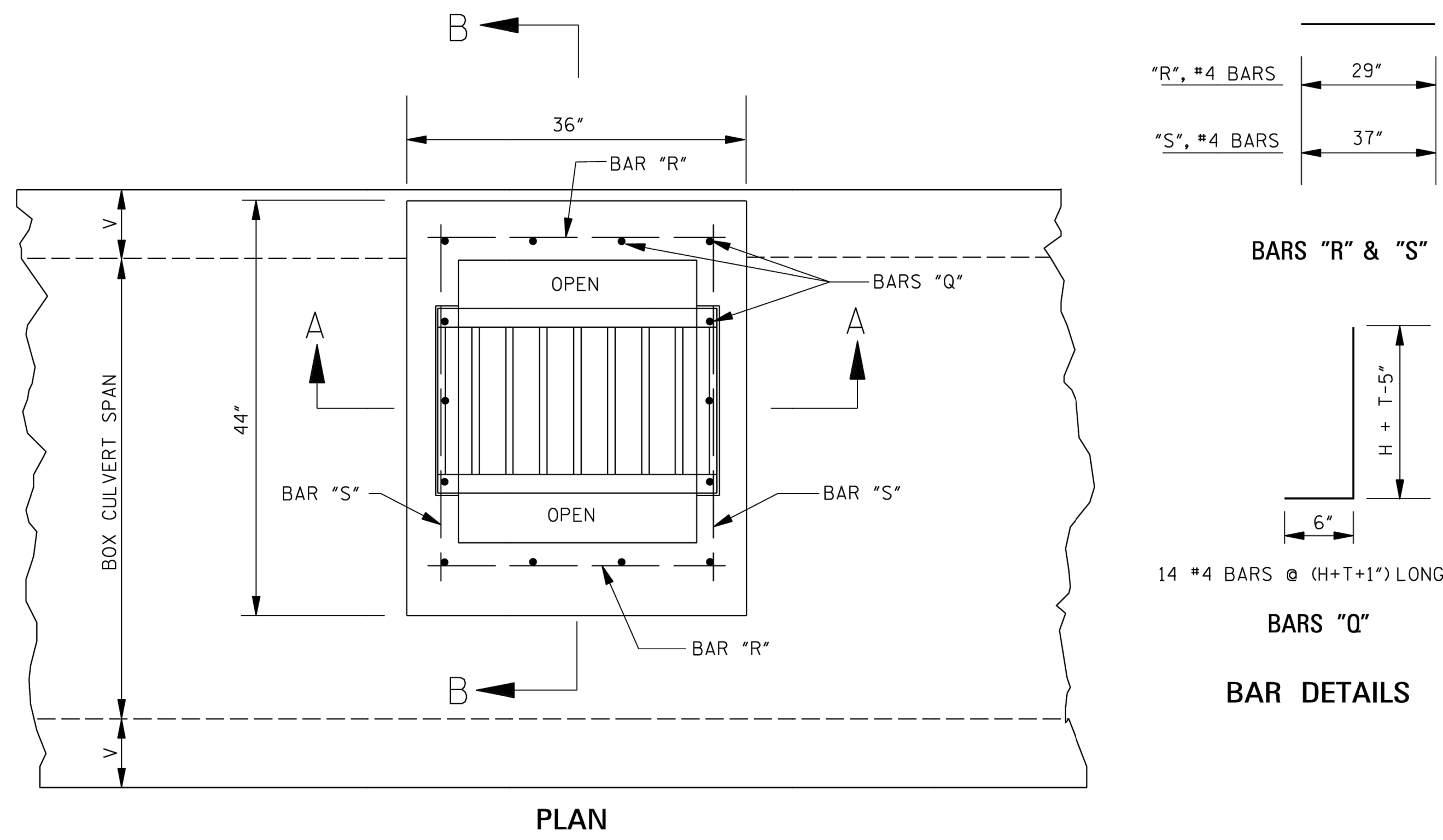
**MEDIAN INLETS
FOR
BOX CULVERTS
(TYPE I AND II)**

WORKING NUMBER
MI-3

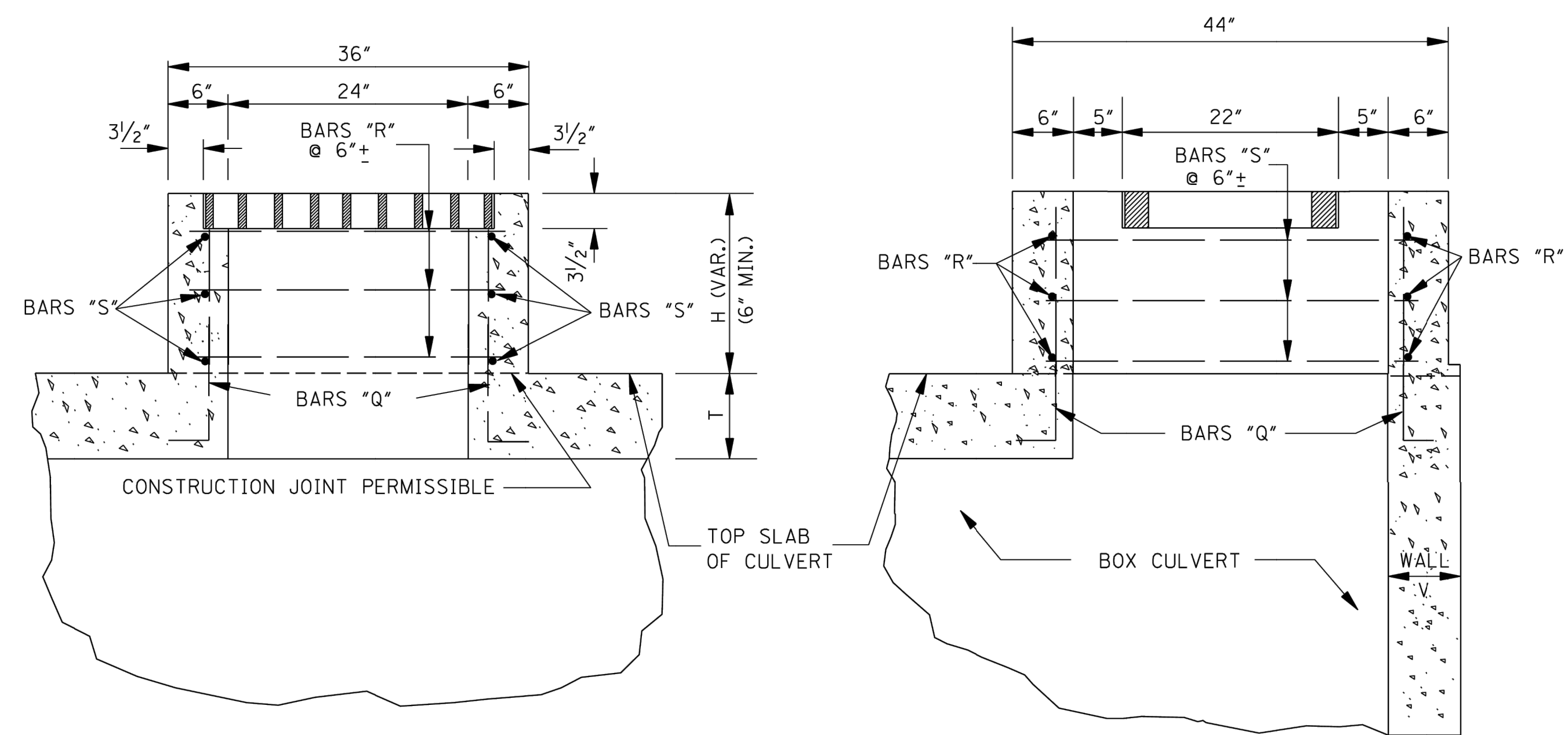
SHEET NUMBER
6513

ISSUE DATE: AUGUST 01, 2017

TYPE I INLET



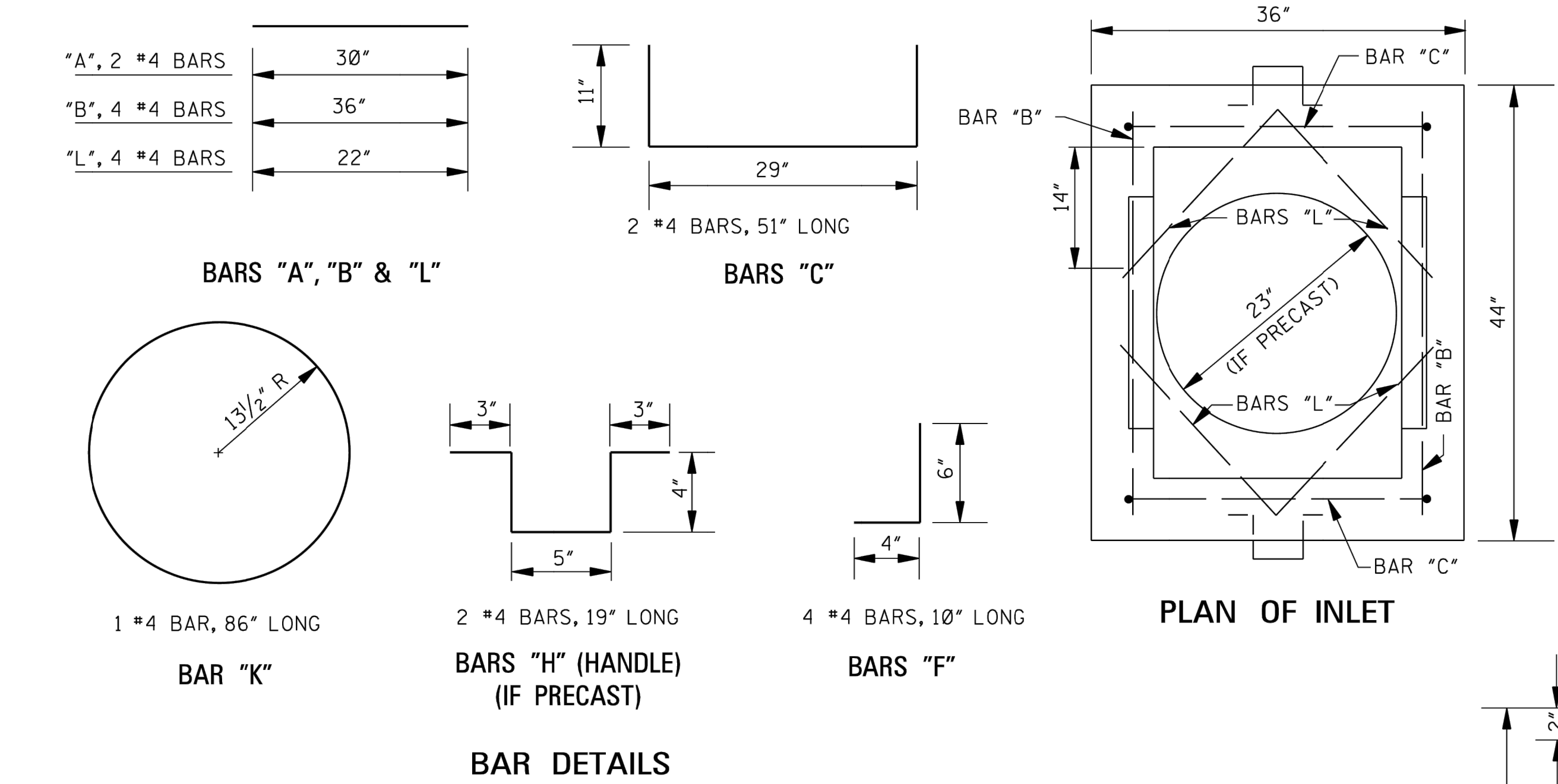
PLAN



SECTION A-A

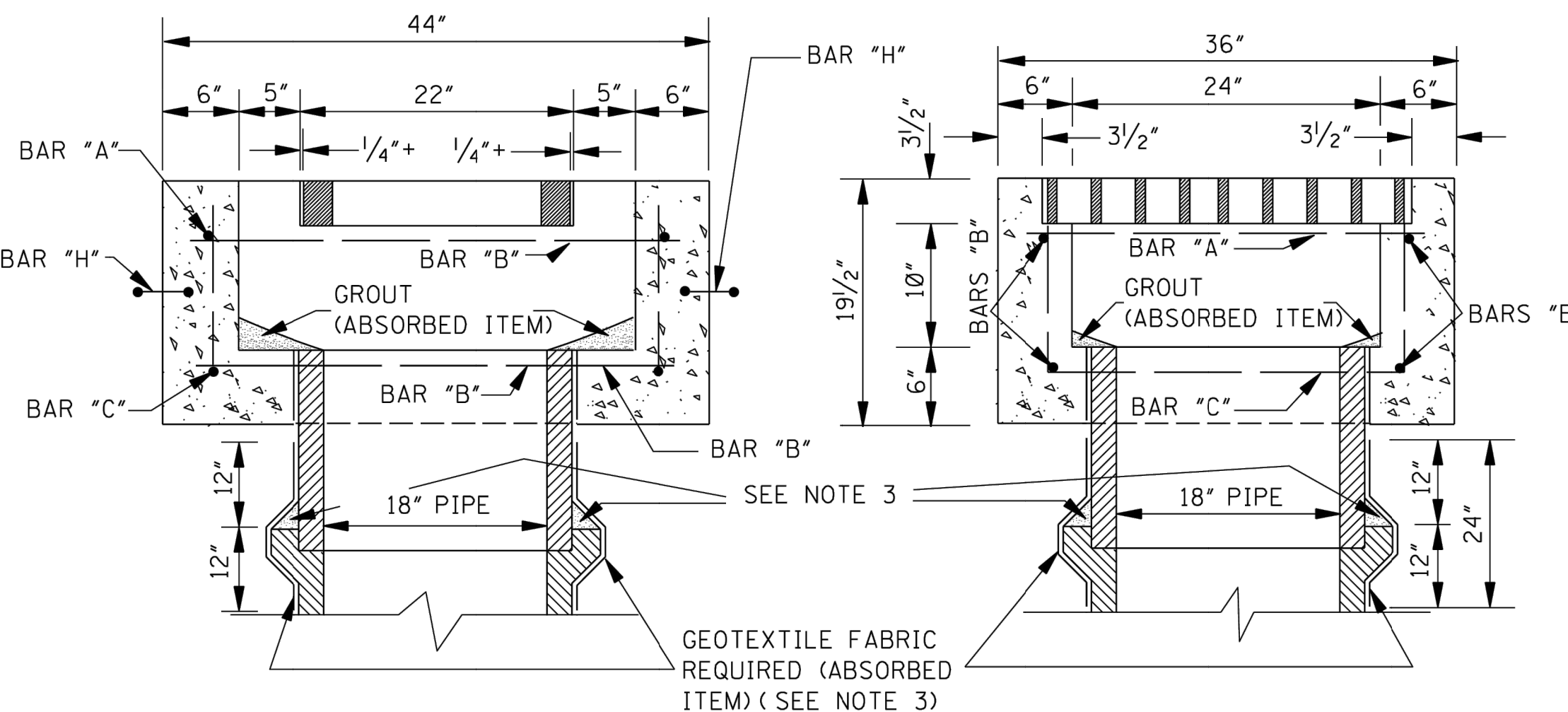
SECTION B-B

TYPE II INLET

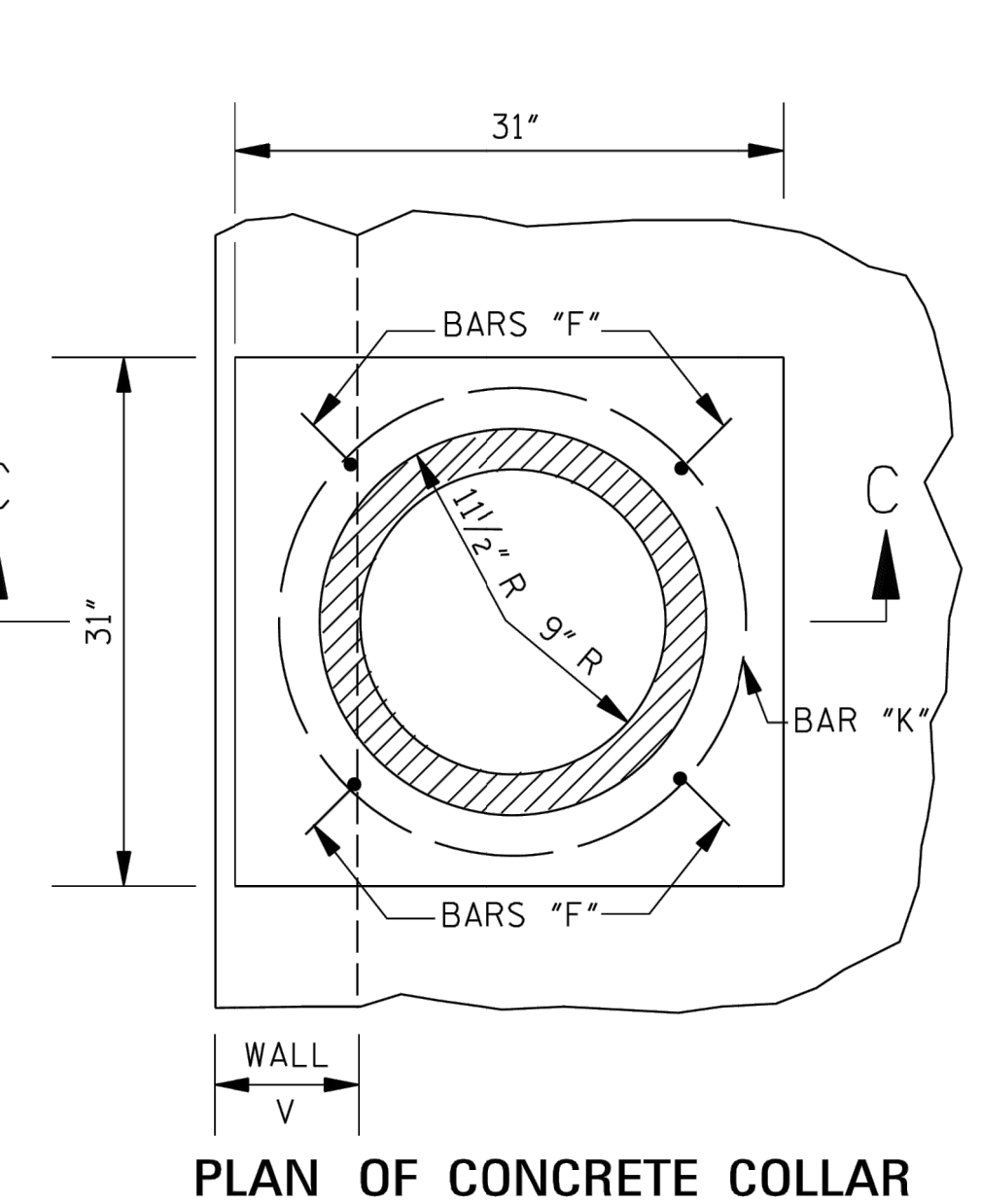


PLAN OF INLET

BAR DETAILS



SECTION C-C

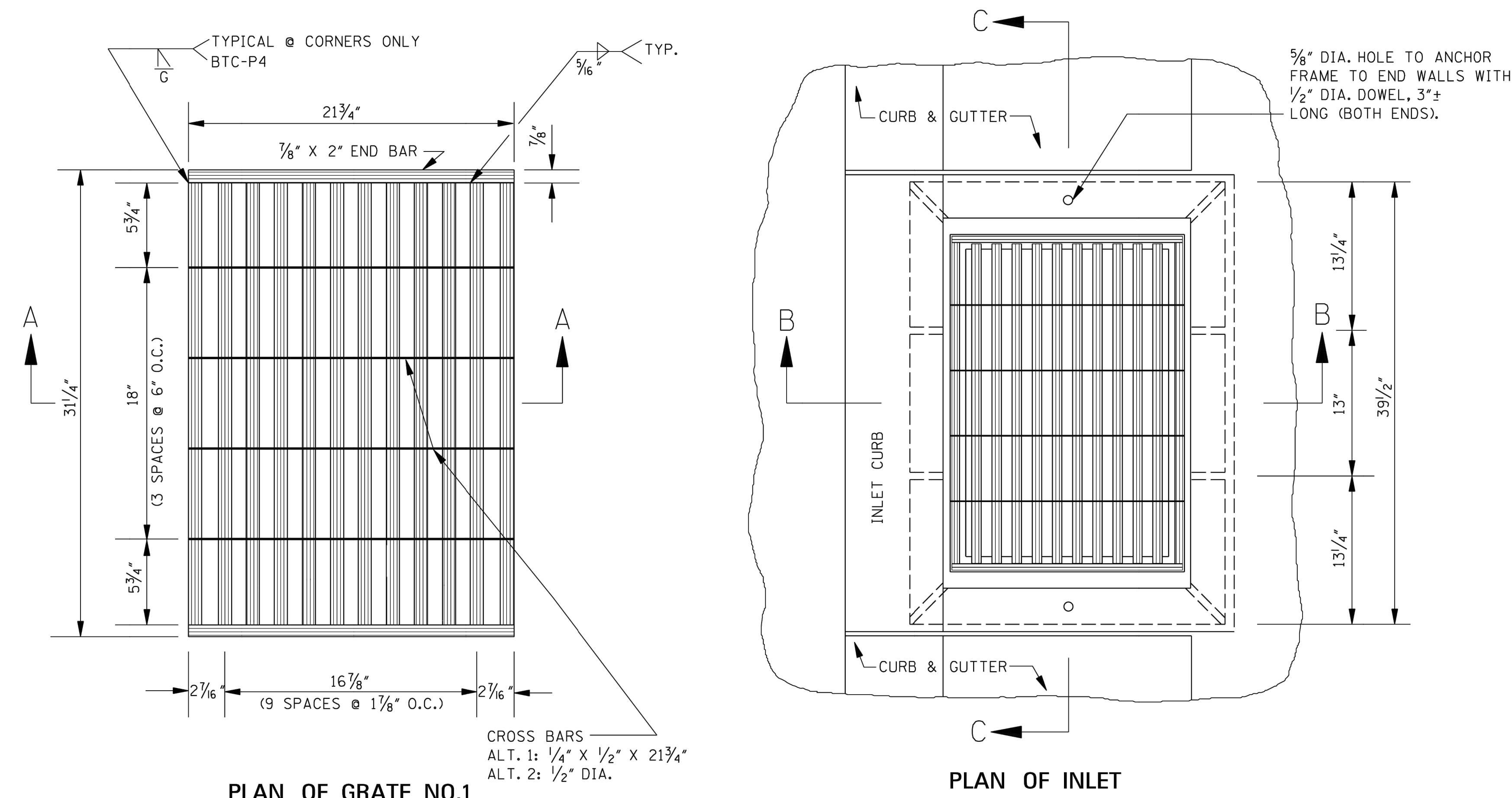


PLAN OF CONCRETE COLLAR

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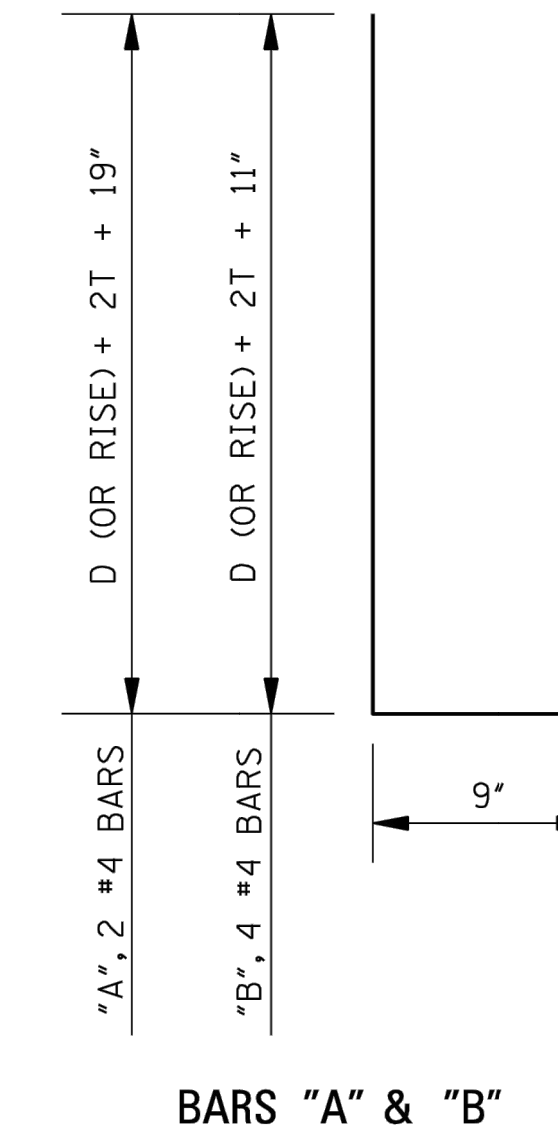
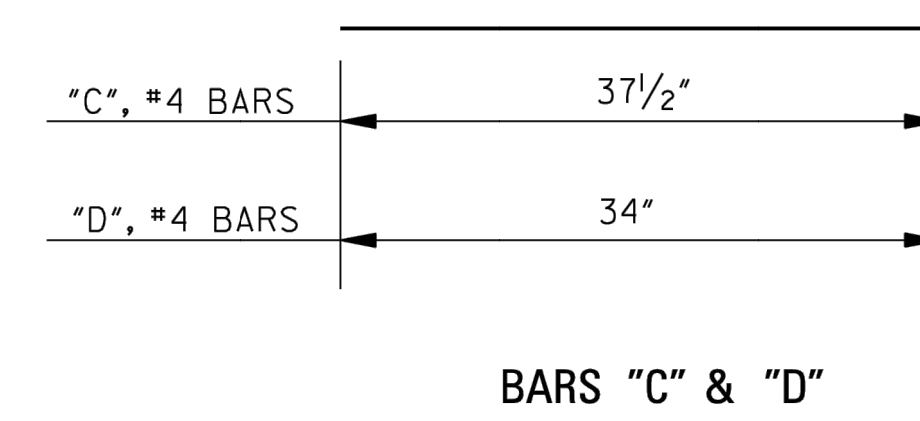


STATE	PROJECT NO.
MISS.	



PIPE SIZE	MIN. DEPTH TO F.L.	MIN. DEPTH INLET		PIPE OPENING DEDUCTION (yd ³)	T	BAR LIST			
		CONC. (yd ³)	STEEL (lbs)			BARS "A"	BARS "B"	BARS "C"	BARS "D"
18"	2.708'	0.763	55	0.053	2 1/2"	2 @ 4'-3"	4 @ 3'-7"	10 @ 3'-1 1/2"	10 @ 2'-10"
24"	3.250'	0.822	57	0.091	3"	2 @ 4'-10"	4 @ 4'-2"	10 @ 3'-1 1/2"	10 @ 2'-10"
22" X 13"	2.333'	0.686	48	0.053	2 1/2"	2 @ 3'-10 1/2"	4 @ 3'-2 1/2"	9 @ 3'-1 1/2"	8 @ 2'-10"

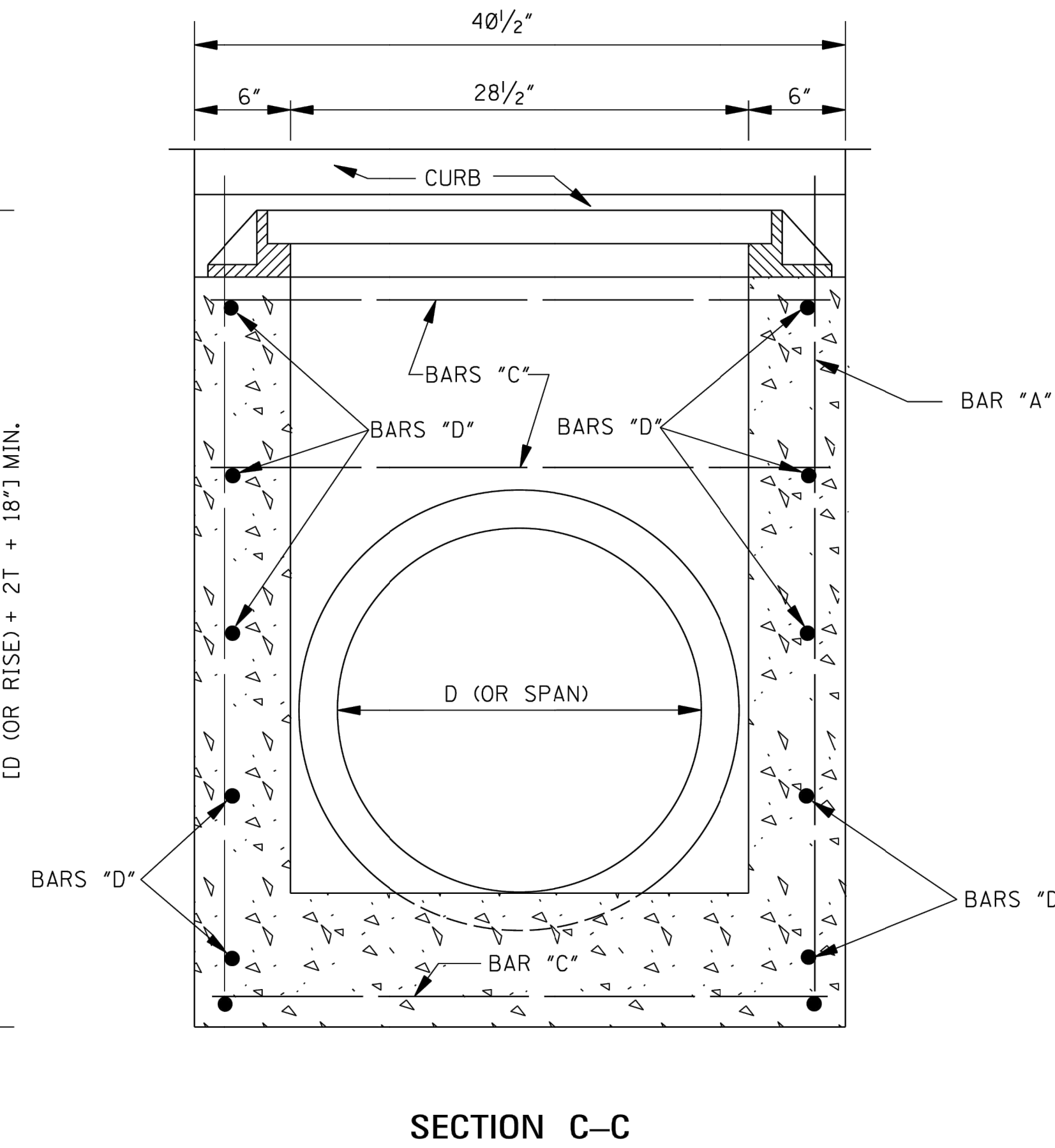
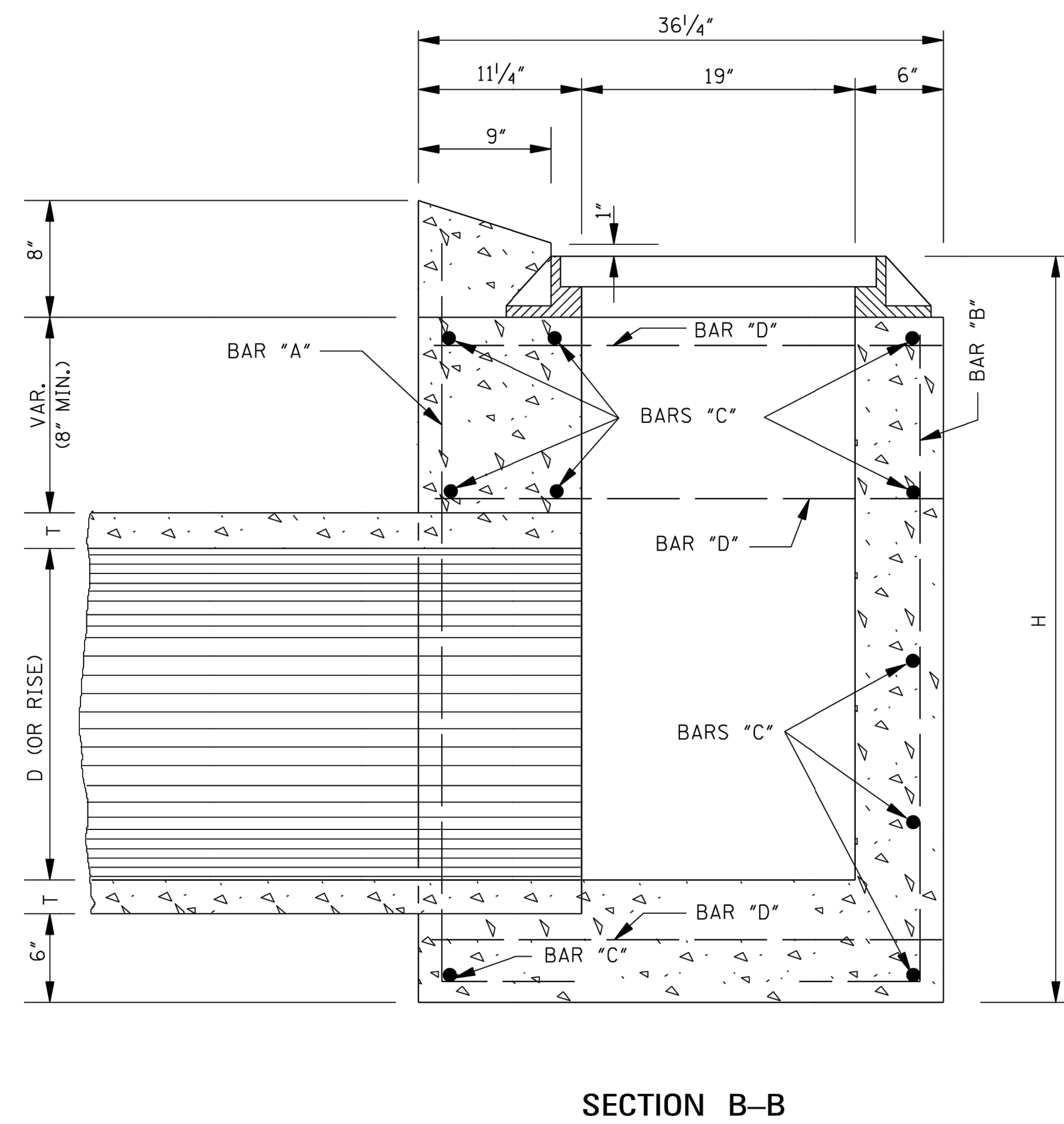
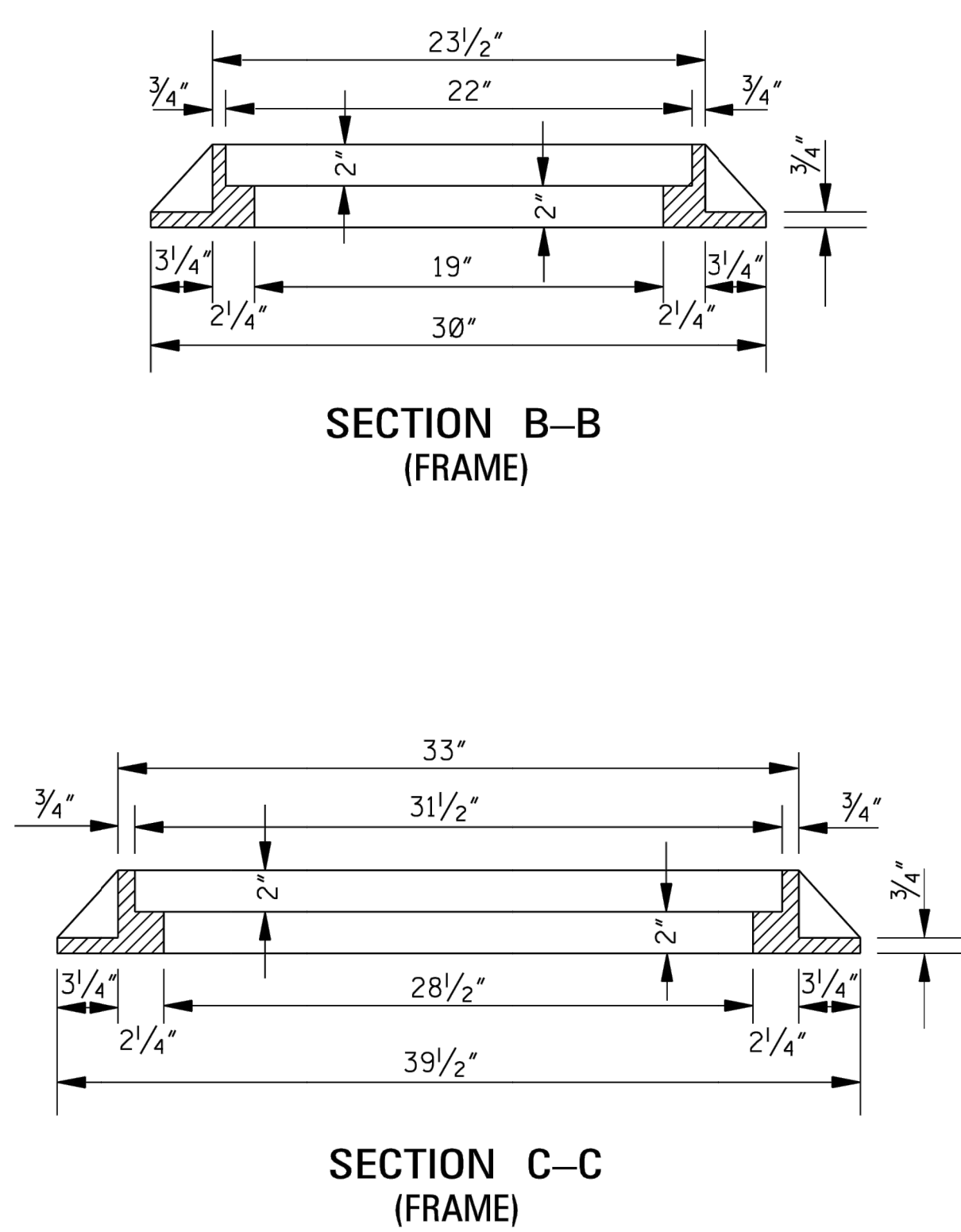
- NOTES:
- ONE (1) PIPE OPENING HAS BEEN DEDUCTED FROM THE STRUCTURE.
 - FOR EACH ADDITIONAL FOOT OF INLET HEIGHT, ADD 0.238 yd³ CLASS "B" CONCRETE AND 13 lbs REINFORCING STEEL.
 - 3 BARS "C" AND 2 BARS "D" REQUIRED PER EACH ADDITIONAL FOOT OF INLET HEIGHT. LENGTH OF BARS "A" & BARS "B" WILL BE INCREASED ACCORDING TO ADDITIONAL HEIGHT.
 - WEIGHT OF FRAME CASTING = 244 lbs.
WEIGHT OF GRATE = SEE SHEET IG-2.



BAR DETAILS

GENERAL NOTES:

- QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
- CONCRETE SHALL BE CLASS "B" CONCRETE AND REINFORCING STEEL SHALL BE DEFORMED BARS.
- THE CONTRACTOR HAS THE OPTION TO PROVIDE GRATE NO. 1 OR GRATE NO. 2 AS SHOWN ON SHEET IG-2.
- FRAME TO BE GRAY IRON CASTING, (AASHTO M 105, CLASS 30).

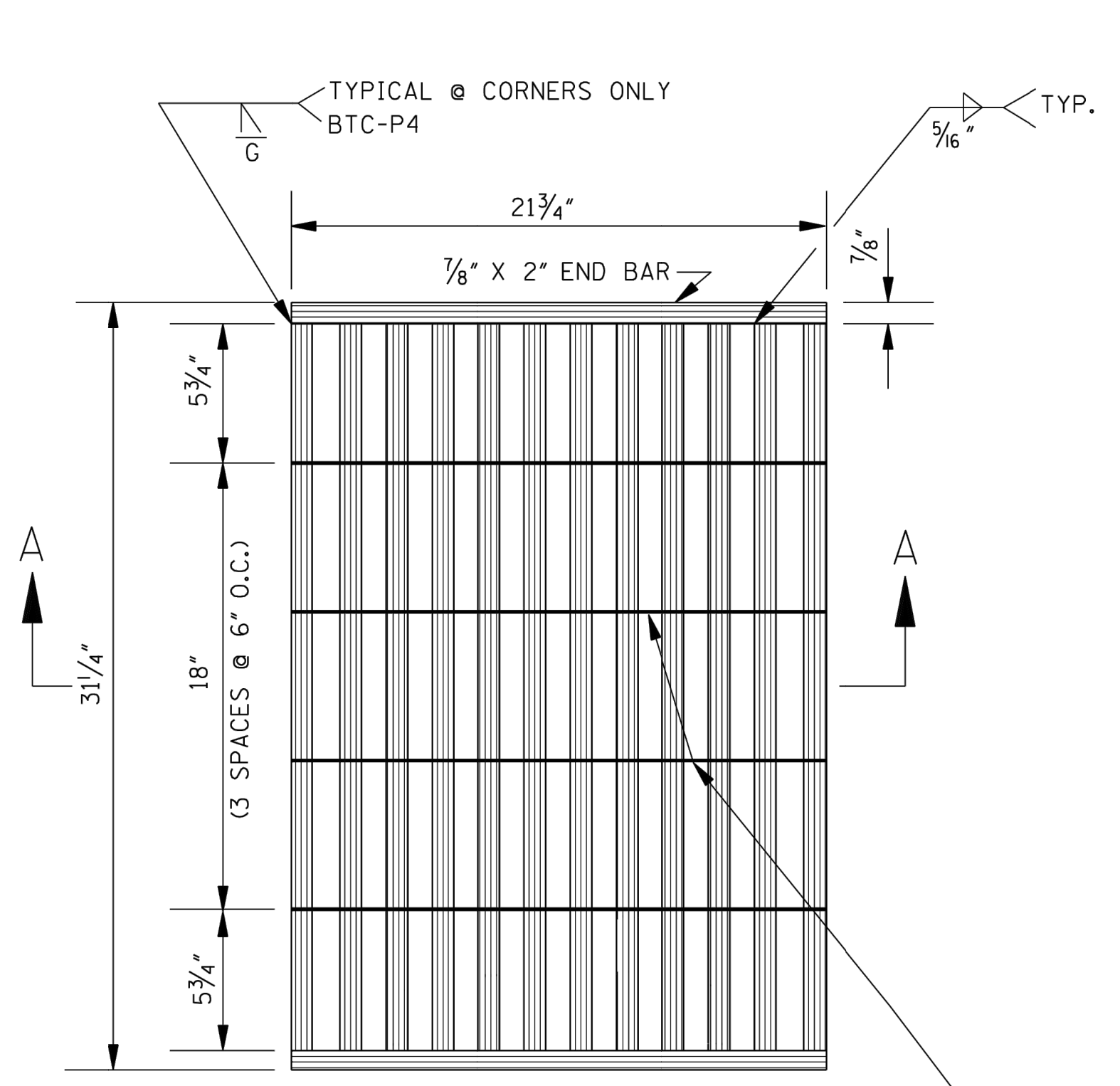


MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
GUTTER INLET FOR TYPE 2 CURB (OUTLET 90° TO ROADWAY)	
WORKING NUMBER GI-1	SHEET NUMBER 6518
DATE	ISSUE DATE: AUGUST 01, 2017

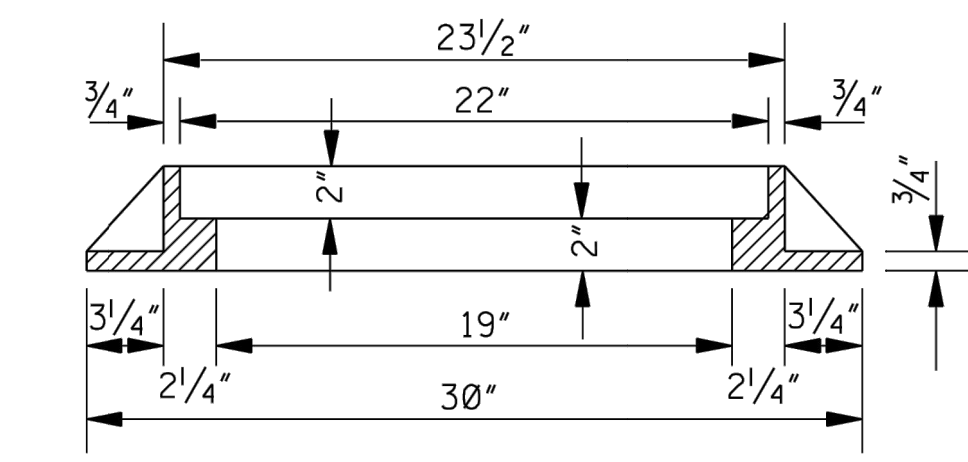
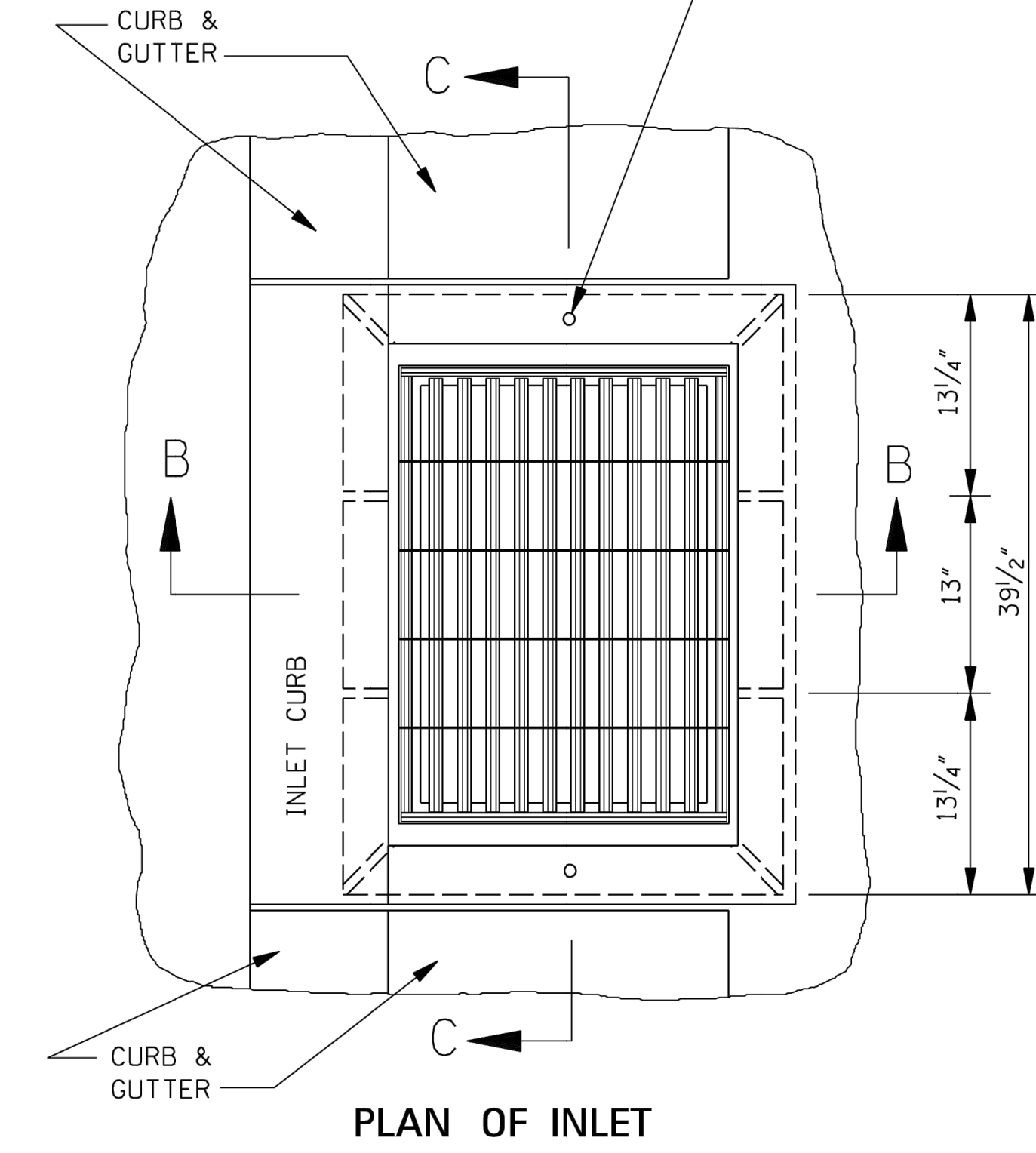
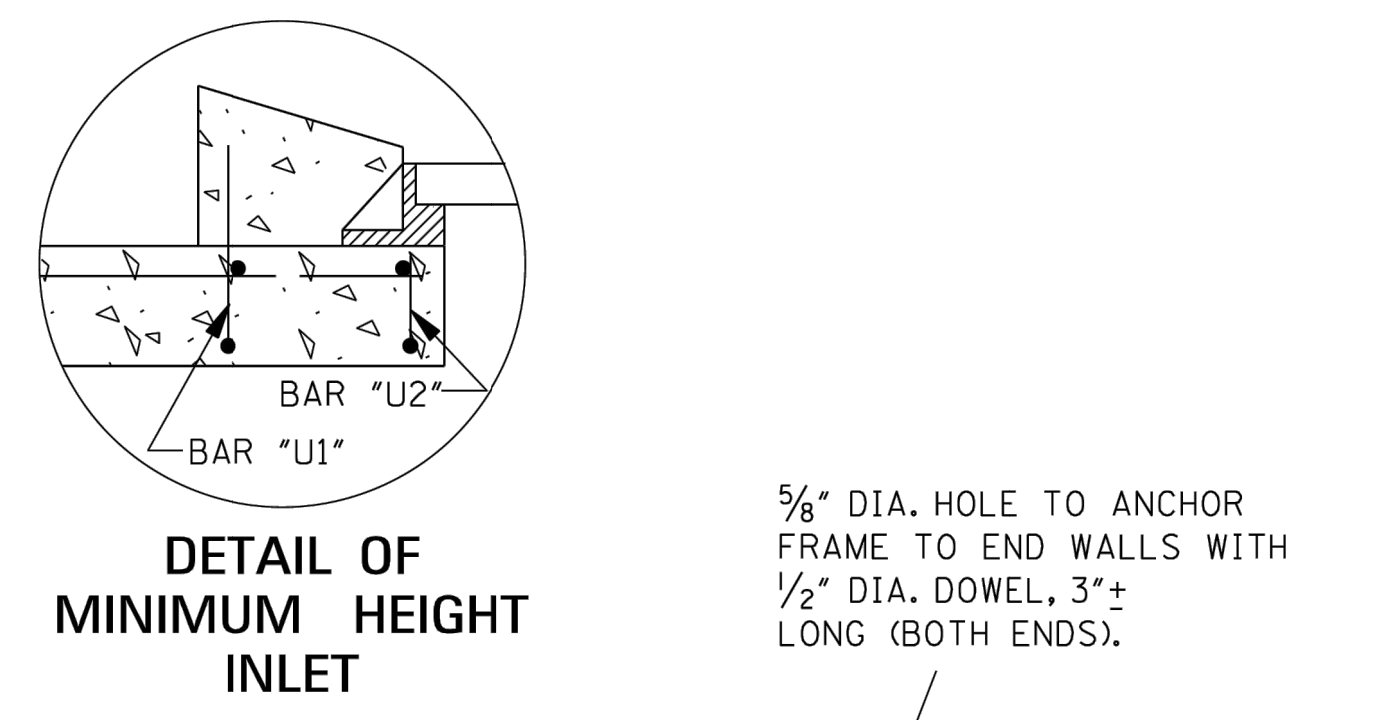
STATE	PROJECT NO.
MISS.	

PIPE SIZE	MIN. DEPTH TO F.L.	MIN. DEPTH INLET		PIPE OPENING DEDUCTION (yd ³)	T	BARS/SIZES									
		CONC. (yd ³)	STEEL (lbs)			"A"		"B"		"C"		"D"		"E"	
						NO. #4	LGTH.	NO. #4	LGTH.	NO. #4	LGTH.	NO. #4	LGTH.	NO. #4	LGTH.
18"	2.792'	0.973	67	0.053	2 1/2"	4 @ 5'-0"	4 @ 3'-8"	10 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 3'-5"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
24"	3.333'	1.259	78	0.091	3"	4 @ 6'-2"	4 @ 4'-3"	12 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 4'-0"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
30"	3.875'	1.574	88	0.138	3 1/2"	4 @ 7'-4"	4 @ 4'-10"	13 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 4'-7"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
36"	4.417'	1.918	101	0.196	4"	4 @ 8'-6"	4 @ 5'-5"	16 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 5'-2"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
42"	4.958'	2.292	112	0.263	4 1/2"	4 @ 9'-8"	4 @ 6'-0"	18 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 5'-9"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
48"	5.500'	2.695	121	0.340	5"	4 @ 10'-10"	4 @ 6'-7"	19 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 6'-4"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
54"	6.042'	3.128	132	0.427	5 1/2"	4 @ 12'-0"	4 @ 7'-2"	21 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 6'-11"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
60"	6.583'	3.591	146	0.524	6"	4 @ 13'-2"	4 @ 7'-9"	24 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 7'-6"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
66"	7.125'	4.082	159	0.630	6 1/2"	4 @ 14'-4"	4 @ 8'-4"	27 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 8'-1"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
72"	7.667'	4.604	168	0.747	7"	4 @ 15'-6"	4 @ 8'-11"	28 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 8'-8"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
22" X 13"	2.417'	0.991	67	0.053	2 1/2"	4 @ 4'-11 1/2"	4 @ 3'-3 1/2"	10 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 3'-9"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
29" X 18"	2.833'	1.222	82	0.087	3"	4 @ 6'-1 1/2"	4 @ 3'-9"	13 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 4'-5"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
36" X 23"	3.250'	1.537	90	0.129	3 1/2"	4 @ 7'-3"	4 @ 4'-2 1/2"	14 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 5'-1 1/2"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
44" X 27"	3.667'	1.877	97	0.185	4"	4 @ 8'-5"	4 @ 4'-8"	14 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 5'-10"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
51" X 31"	4.068'	2.237	110	0.245	4 1/2"	4 @ 9'-7"	4 @ 5'-1 1/2"	17 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 6'-6"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
58" X 36"	4.500'	2.637	120	0.318	5"	4 @ 10'-8 1/2"	4 @ 5'-7"	18 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 7'-2 1/2"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
65" X 40"	4.875'	3.020	132	0.394	5 1/2"	4 @ 11'-9"	4 @ 6'-0"	21 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 7'-10"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
73" X 45"	5.333'	3.505	140	0.489	6"	4 @ 13'-0"	4 @ 6'-6"	21 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 8'-7"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			
88" X 54"	6.167'	4.504	163	0.688	7"	4 @ 15'-4"	4 @ 7'-5"	25 @ 3'-1 1/2"	2 @ 2'-9"	6 @ 10'-0"	1 @ 4'-11 1/2"	1 @ 3'-9 1/2"			

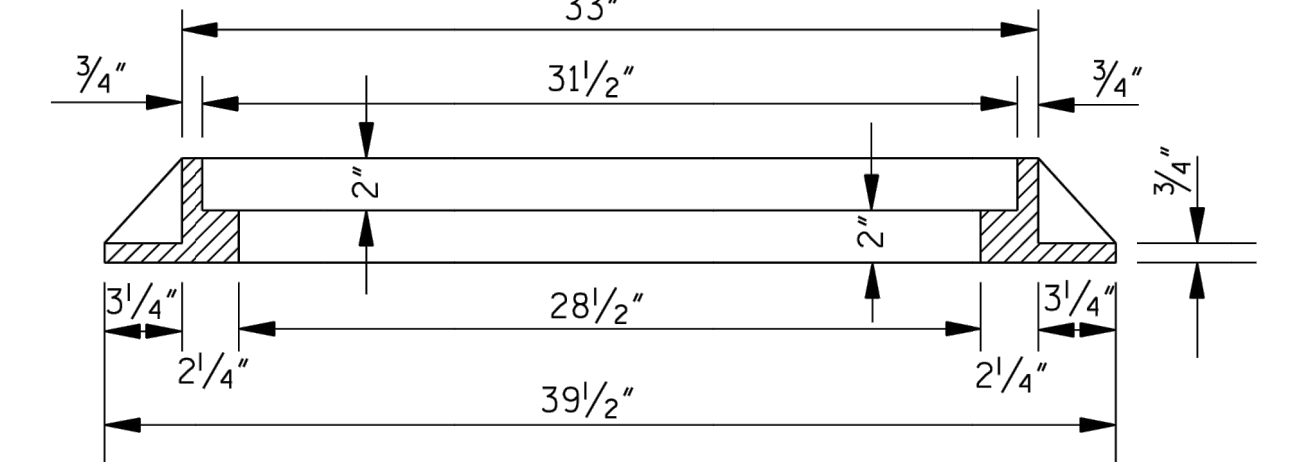
- NOTES: 1. NO PIPE OPENINGS HAVE BEEN DEDUCTED FROM QUANTITY SHOWN.
2. FOR EACH ADDITIONAL FOOT OF INLET HEIGHT, ADD 0.238 yd³ CLASS "B" CONCRETE AND 13 lbs REINFORCING STEEL.
3. 3 BARS "C" AND 2 BARS "D" REQUIRED PER EACH ADDITIONAL FOOT OF INLET HEIGHT. LENGTH OF BARS "B" WILL INCREASE WITH ADDITIONAL HEIGHT.
4. WEIGHT OF FRAME CASTING = 244 lbs. WEIGHT OF GRATE = SEE SHEET IG-2.



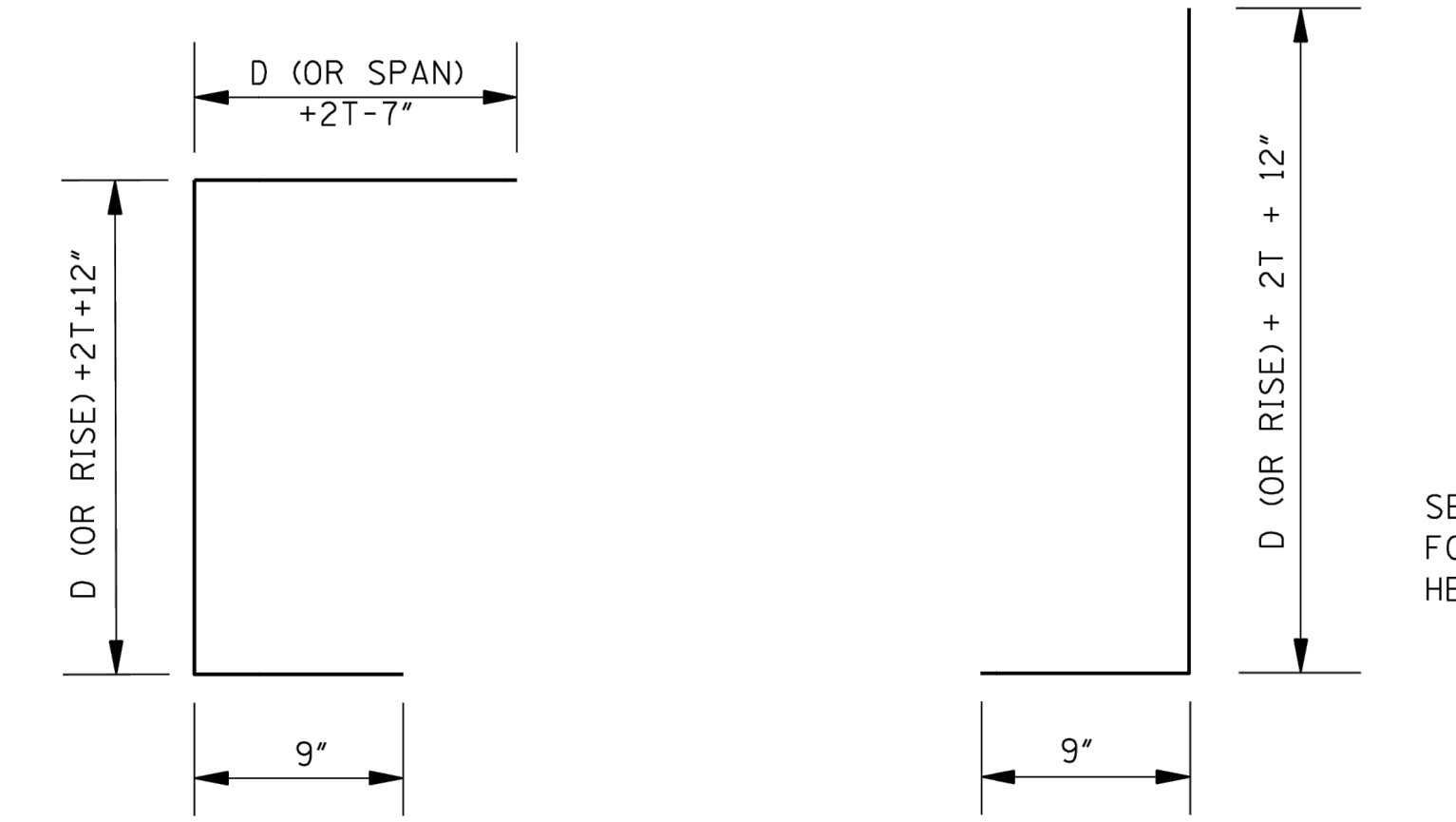
PLAN OF GRATE NO.1
NOTE: FOR OTHER GRATE DETAILS SEE SHEET IG-2.



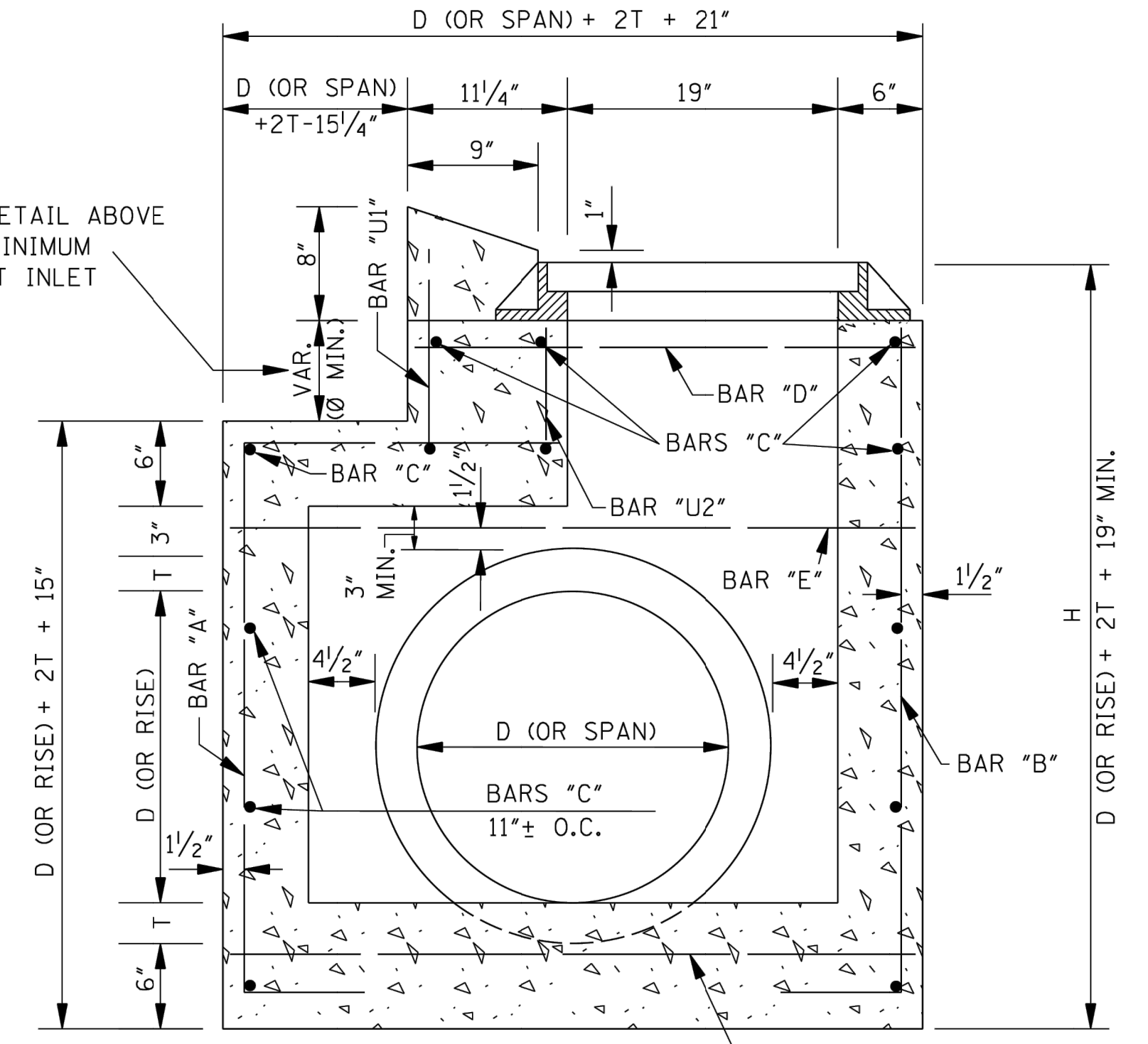
SECTION B-B (FRAME)



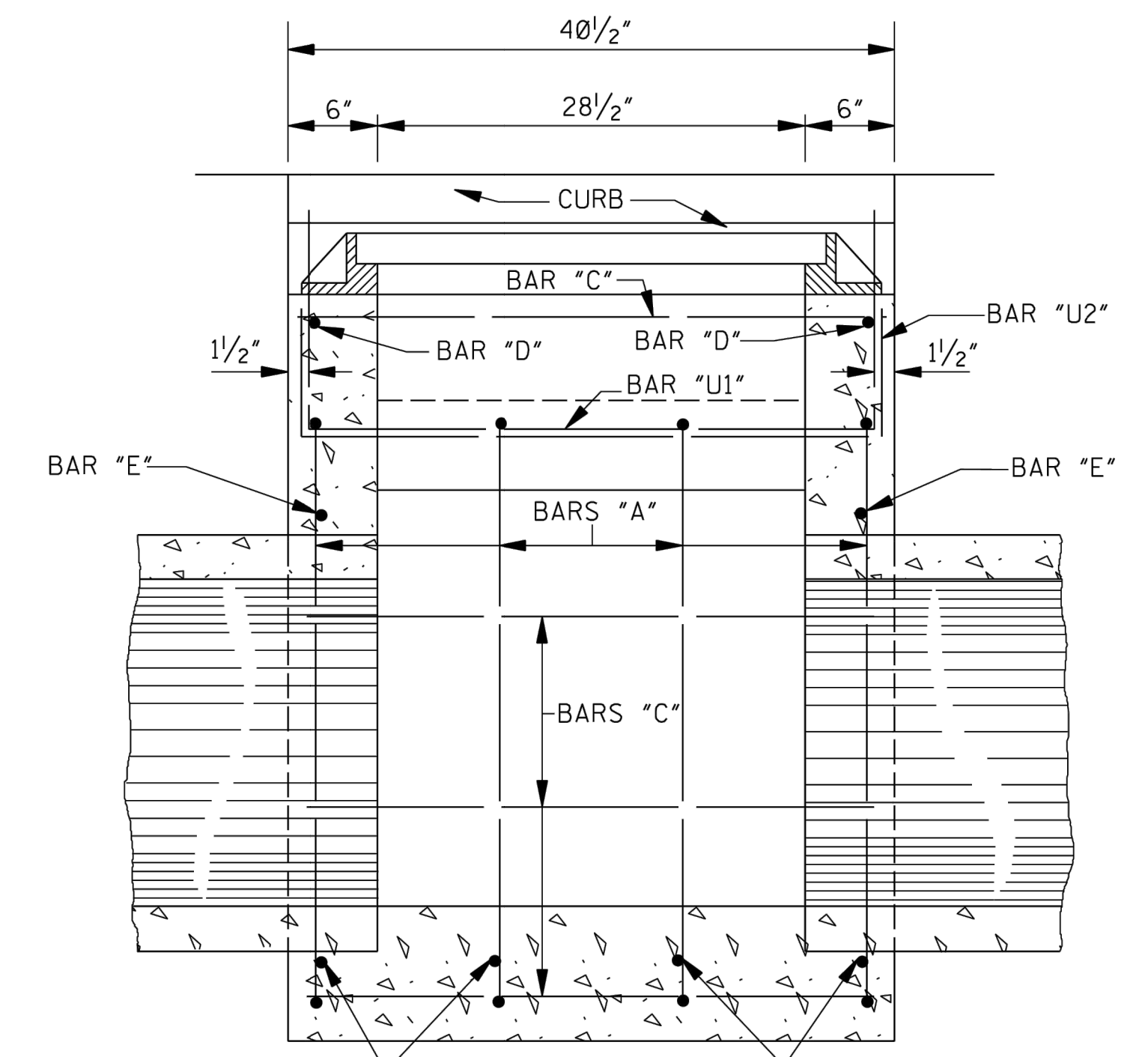
SECTION C-C (FRAME)



BAR DETAILS



SECTION B-B



SECTION C-C

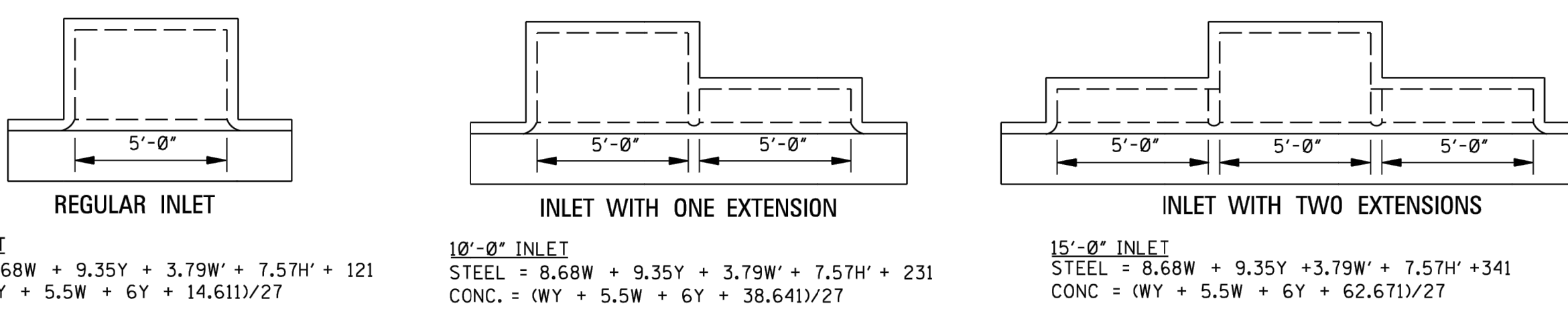
- GENERAL NOTES:
- QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
 - CONCRETE SHALL BE CLASS "B" CONCRETE AND REINFORCING STEEL SHALL BE DEFORMED BARS.
 - THE CONTRACTOR HAS THE OPTION TO PROVIDE GRATE NO. 1 OR GRATE NO. 2 AS SHOWN ON SHEET IG-2.
 - FRAME TO BE GRAY IRON CASTING, (AASHTO M 105, CLASS 30).

BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
REVISION	ROADWAY DESIGN DIVISION
DATE	STANDARD PLAN
GUTTER INLET FOR TYPE 2 CURB (STORM SEWER ALONG ROADWAY)	
WORKING NUMBER	GI-1A
SHEET NUMBER	6519
ISSUE DATE:	AUGUST 01, 2017



STATE	PROJECT NO.
MISS.	

- NOTES:
1. W AND H ARE EXPRESSED IN DECIMAL FEET.
2. W = W ROUNDED TO NEAREST WHOLE FOOT.
3. Y = 0H-0.5.
4. H = (H - 2.08) ROUNDED TO NEAREST WHOLE FOOT.
5. NO DEDUCTIONS ARE MADE FOR PIPE OPENINGS IN FORMULAS.



ADD. CONCRETE PER FOOT OF H	ADD. CONCRETE PER FOOT OF W
W yd ³ /ft	H yd ³ /ft
2'-6"	0.315
3'-0"	0.333
3'-6"	0.352
4'-0"	0.371
4'-6"	0.389
5'-0"	0.408
5'-6"	0.426
6'-0"	0.445
6'-6"	0.463
7'-0"	0.481
8'-6"	0.500

BAR SIZE	LENGTH	SPACING	NUMBER	TWEIGHT
"E"	4"	AS SHOWN	3	11
"G"	4"	SEE SCHEDULE	6	34
"H"	6"	AS SHOWN	5	51
"L"	6"	AS SHOWN	2	14

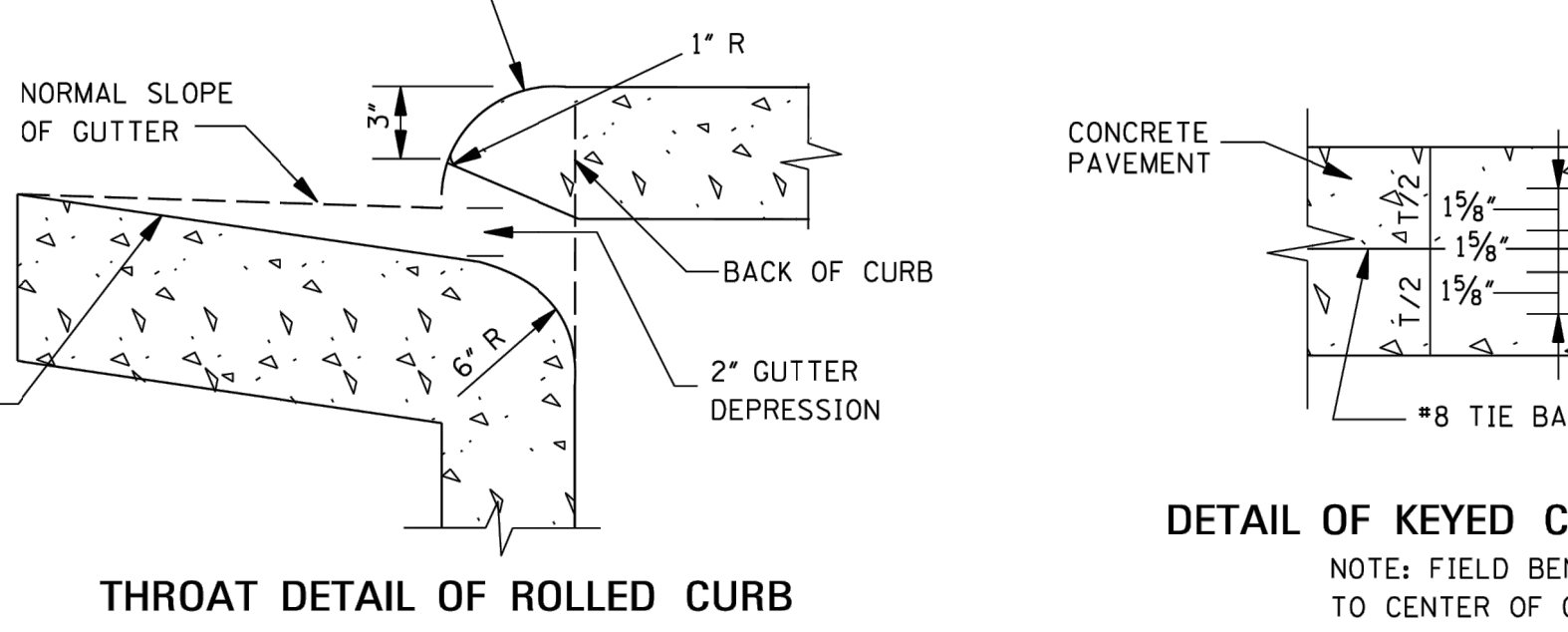
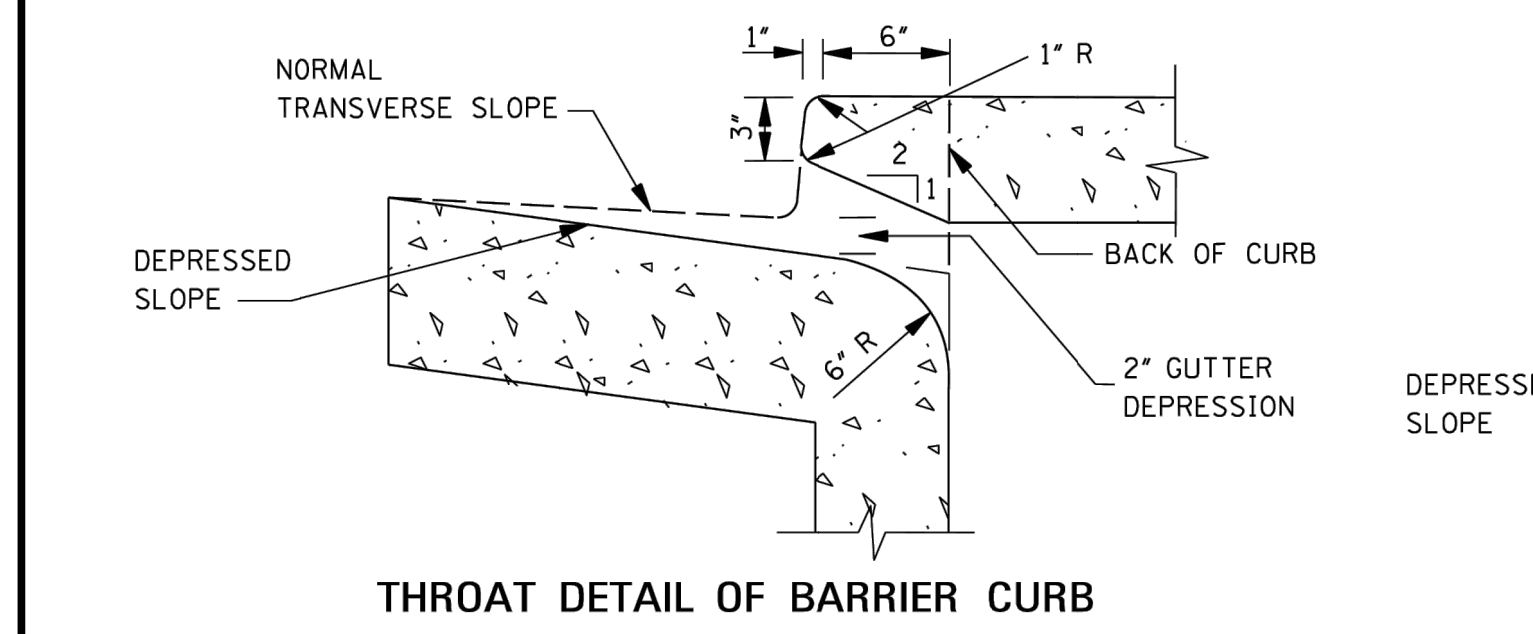
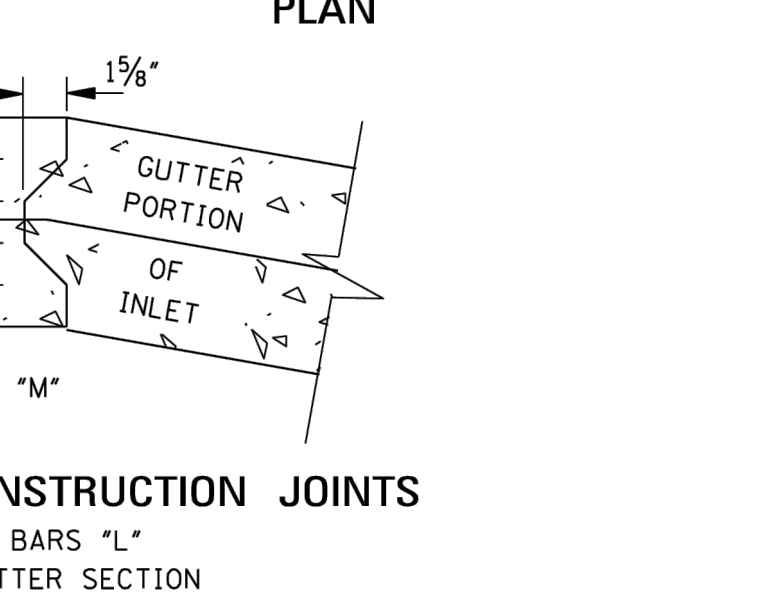
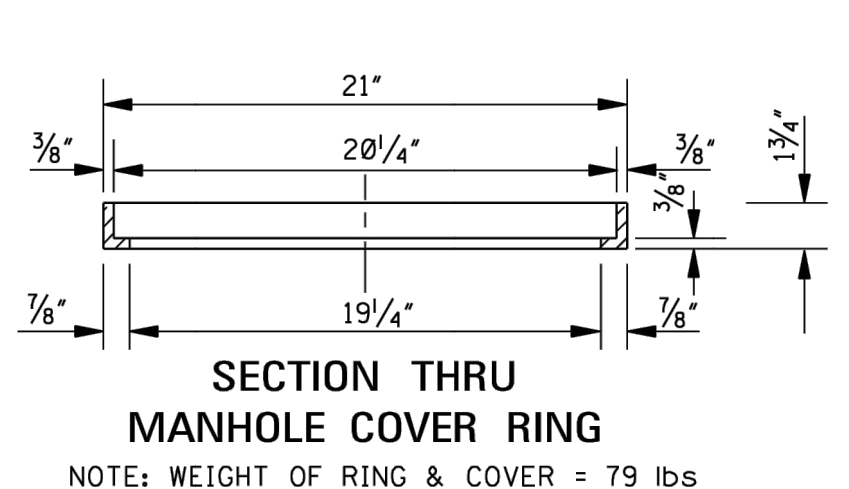
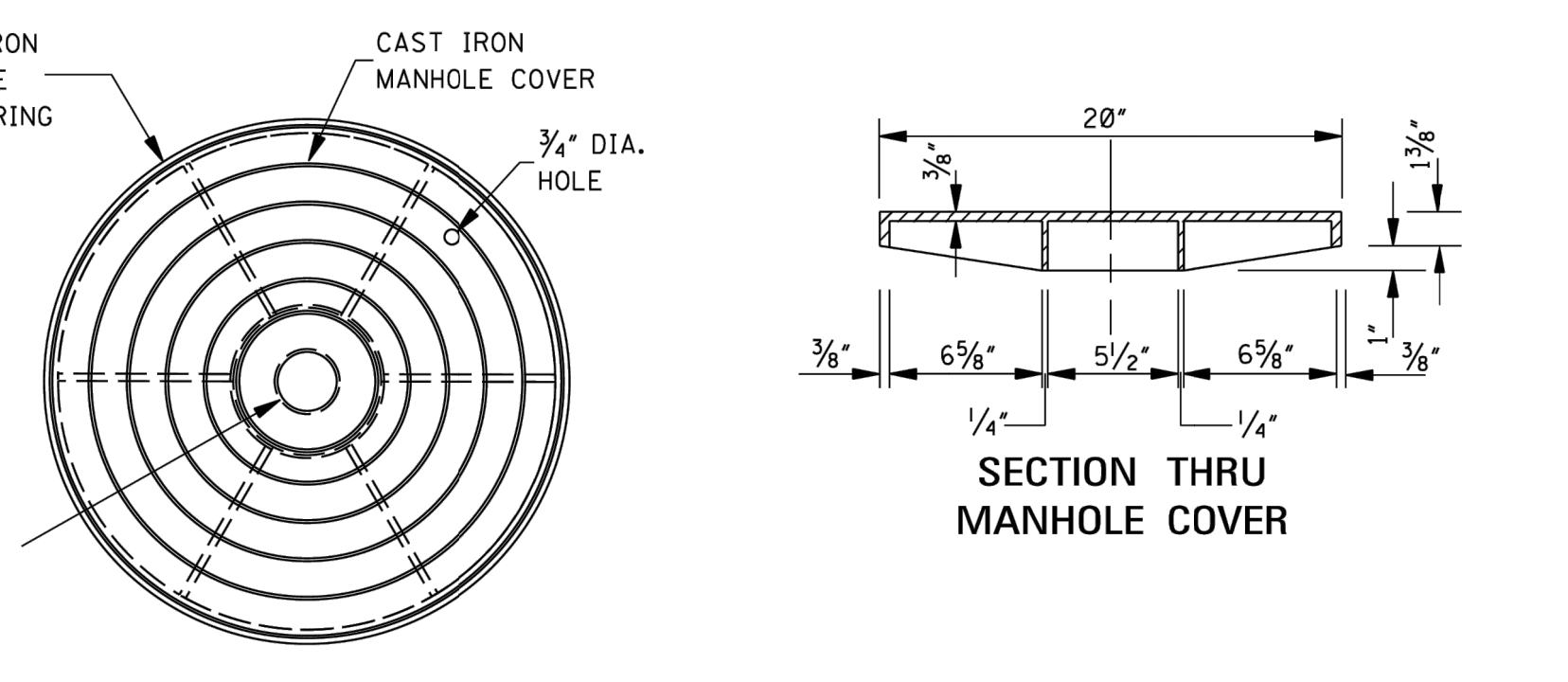
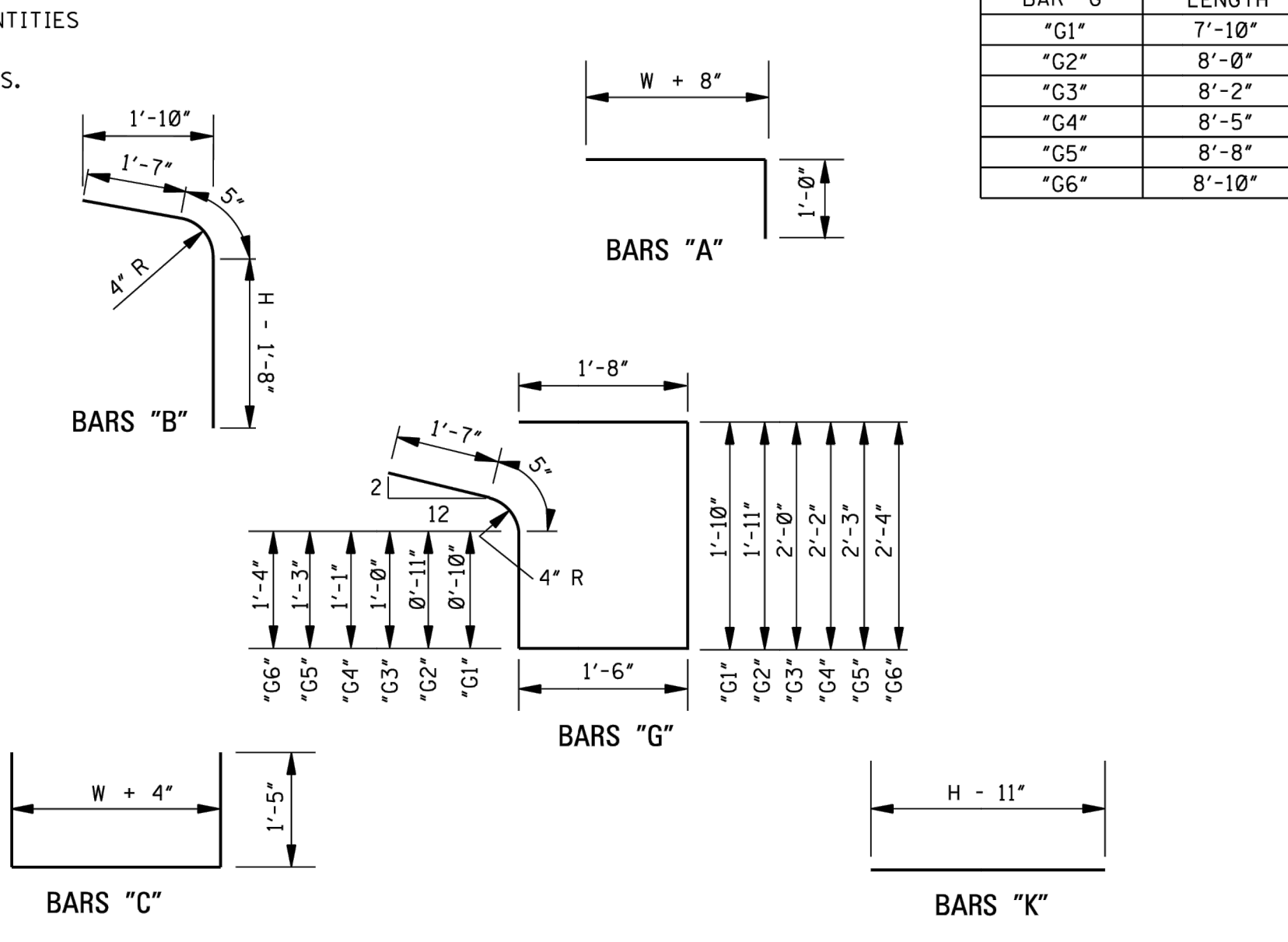
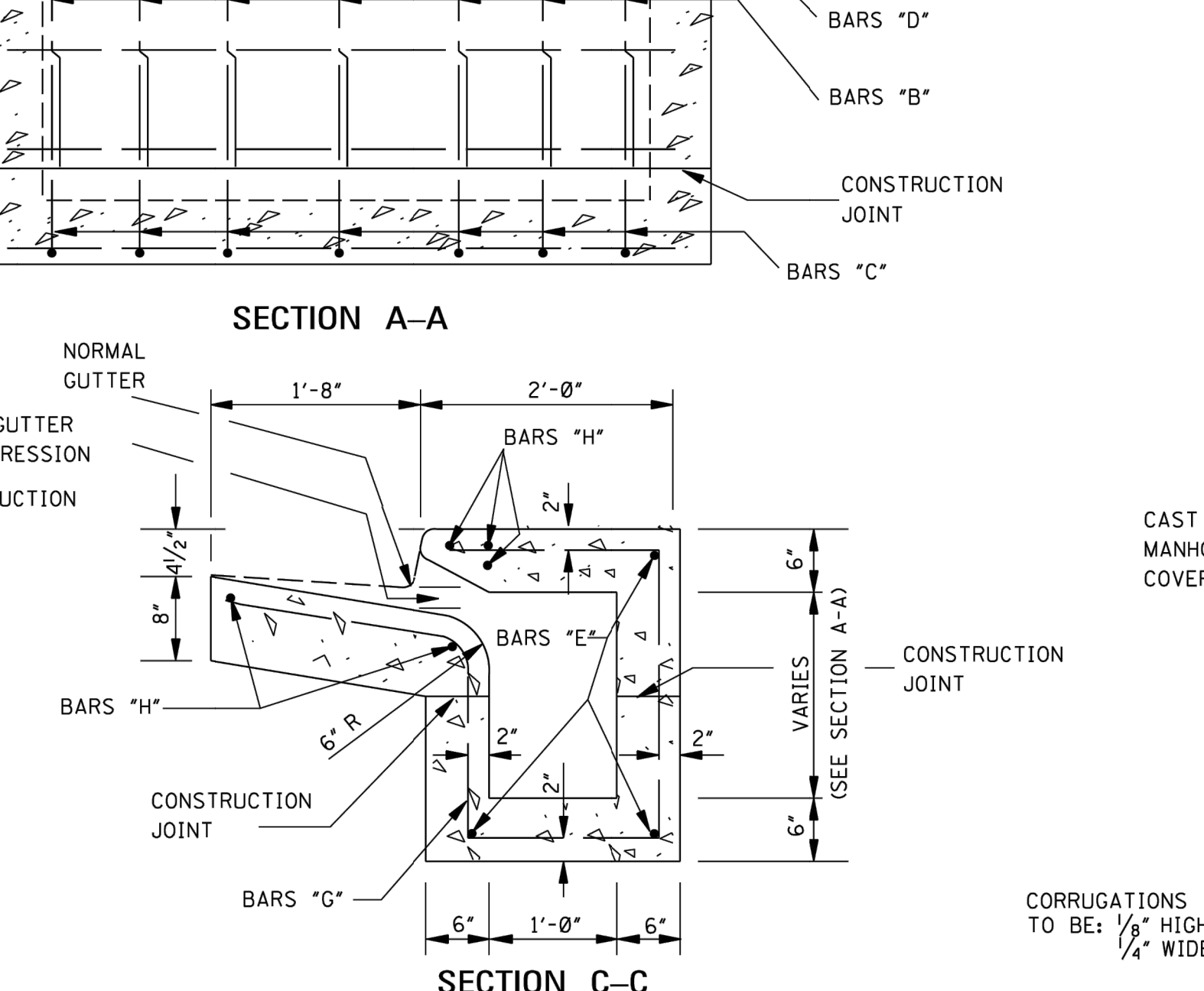
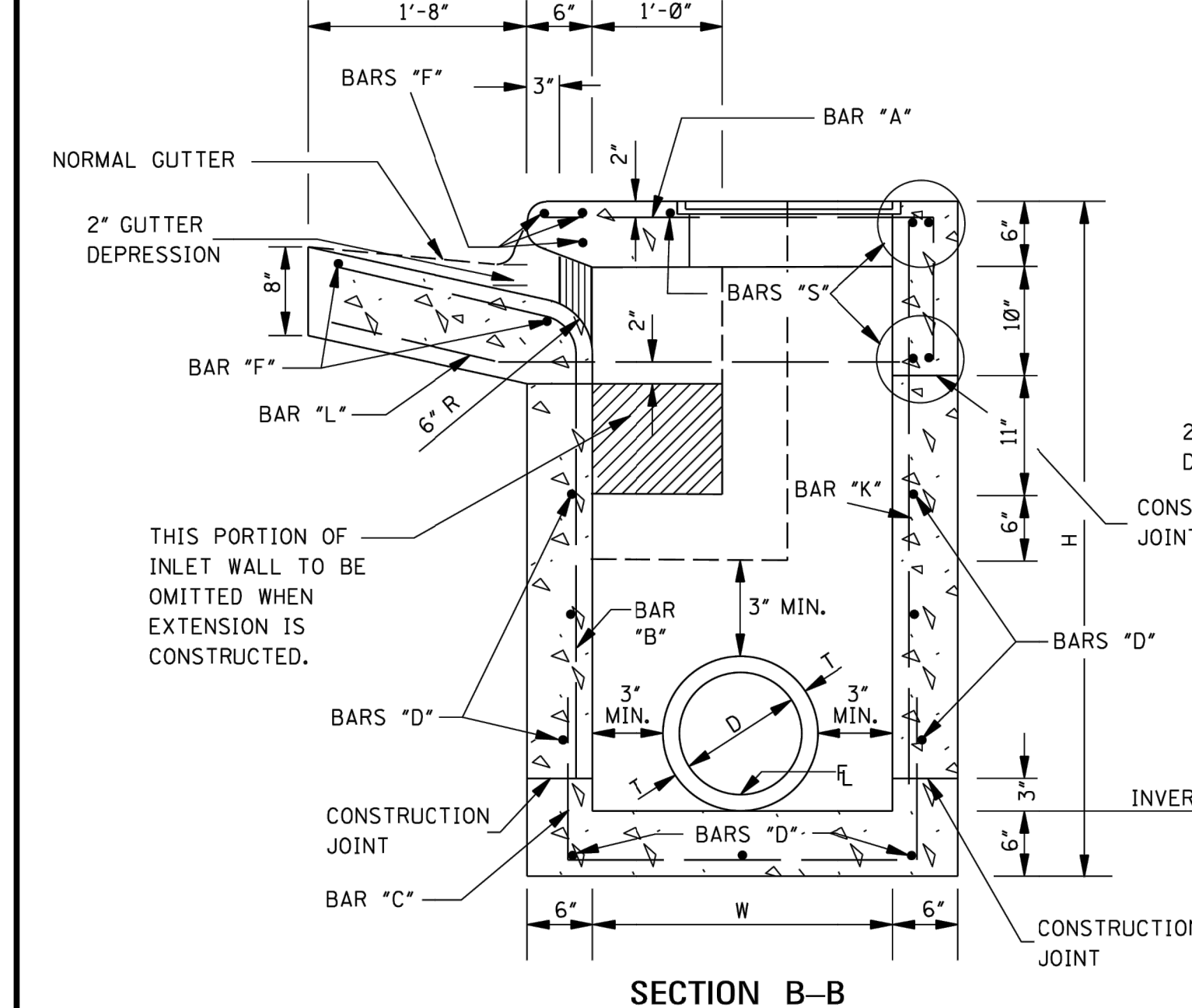
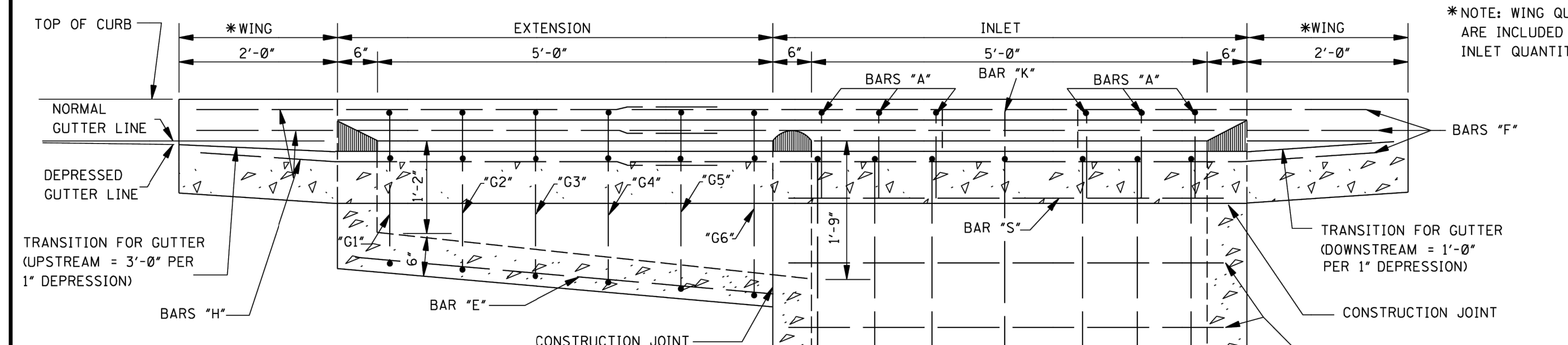
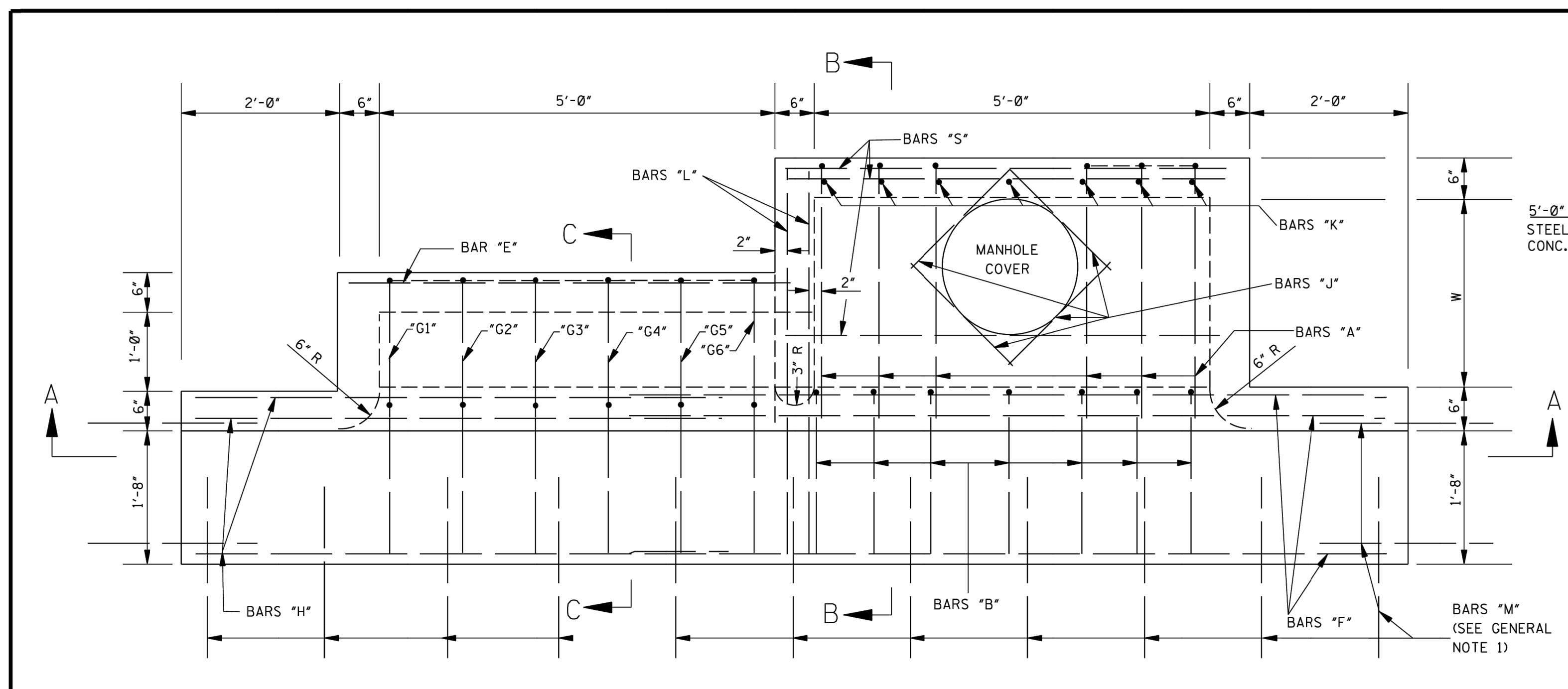
TOTAL STEEL FOR ONE EXTENSION = 110 lbs
TOTAL CONCRETE FOR ONE EXTENSION = 0.89 yd³
NOTE: WHERE EXTENSION IS USED WITH CONCRETE PAVEMENT, ADD 27 lbs OF STEEL FOR BARS "M".

W=2'-6" BILL OF REINFORCING STEEL FOR 1'-5'-0" INLET											
H	BAR "A"	BAR "C"	BAR "S"	BAR "D"	BAR "F"	BAR "J"	BAR "B"	BAR "K"	* TOTAL	TOTAL	
	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	STEEL	CONC.	
3'-6"	6	17	7	27	5	19	5	19	5	19	1.99
4'-0"	6	17	7	27	5	19	7	26	5	19	2.15
4'-6"	6	17	7	27	5	19	7	26	5	19	2.31
5'-0"	6	17	7	27	5	19	9	34	5	19	2.47
5'-6"	6	17	7	27	5	19	9	34	5	19	2.62
6'-0"	6	17	7	27	5	19	11	42	5	19	2.78
6'-6"	6	17	7	27	5	19	11	42	5	19	2.94
7'-0"	6	17	7	27	5	19	13	49	5	19	3.10
7'-6"	6	17	7	27	5	19	13	49	5	19	3.25

W=3'-0" BILL OF REINFORCING STEEL FOR 1'-5'-0" INLET											
H	BAR "A"	BAR "C"	BAR "S"	BAR "D"	BAR "F"	BAR "J"	BAR "B"	BAR "K"	* TOTAL	TOTAL	
	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	STEEL	CONC.	
3'-6"	6	19	7	29	5	19	5	19	5	19	2.15
4'-0"	6	19	7	29	5	19	7	26	5	19	2.32
4'-6"	6	19	7	29	5	19	7	26	5	19	2.49
5'-0"	6	19	7	29	5	19	9	34	5	19	2.65
5'-6"	6	19	7	29	5	19	9	34	5	19	2.82
6'-0"	6	19	7	29	5	19	11	42	5	19	2.99
6'-6"	6	19	7	29	5	19	11	42	5	19	3.15
7'-0"	6	19	7	29	5	19	13	49	5	19	3.32
7'-6"	6	19	7	29	5	19	13	49	5	19	3.49

W=3'-6" BILL OF REINFORCING STEEL FOR 1'-5'-0" INLET											
H	BAR "A"	BAR "C"	BAR "S"	BAR "D"	BAR "F"	BAR "J"	BAR "B"	BAR "K"	* TOTAL	TOTAL	
	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	STEEL	CONC.	
3'-6"	6	21	7	31	5	19	6	23	5	19	2.31
4'-0"	6	21	7	31	5	19	8	30	5	19	2.49
4'-6"	6	21	7	31	5	19	8	30	5	19	2.66
5'-0"	6	21	7	31	5	19	10	38	5	19	2.84
5'-6"	6	21	7	31	5	19	10	38	5	19	3.01
6'-0"	6	21	7	31	5	19	12	45	5	19	3.19
6'-6"	6	21	7	31	5	19	12	45	5	19	3.37
7'-0"	6	21	7	31	5	19	14	53	5	19	3.54
7'-6"	6	21	7	31	5	19	14	53	5	19	3.72

- * NOTE: WHERE INLET IS USED WITH CONCRETE PAVEMENT, ADD 73 lbs OF STEEL FOR BARS "M".
- GENERAL NOTES:
1. WHERE INLET OR INLET WITH EXTENSIONS IS USED WITH CONCRETE PAVEMENT WITH INTEGRAL CURB, THE PAVEMENT SHALL BE BLOCKED OUT TO THE DIMENSIONS AS SHOWN FOR THE GUTTER PORTION OF THE INLET OR INLET WITH EXTENSIONS. THE PORTION BLOCKED OUT SHALL BE PLACED INTEGRAL WITH THE TOP OF THE INLET OR INLET WITH EXTENSIONS. #8 DEFORMED BARS 30" LONG SHALL BE PLACED ON 18" CENTERS AT THE CENTER OF THE PAVEMENT. THESE BARS SHALL EXTEND INTO THE GUTTER PORTION OF THE INLET OR INLET WITH EXTENSIONS 15". THE CONSTRUCTION JOINT BETWEEN THE CONCRETE PAVEMENT AND THE INLET OR INLET WITH EXTENSIONS SHALL BE A KEYED JOINT AS SHOWN. A SMOOTH CONSTRUCTION JOINT WILL NOT BE PERMITTED. QUANTITIES FOR BLOCKED OUT AREA OF PAVEMENT SHALL BE INCLUDED IN QUANTITIES FOR INLET OR INLET WITH EXTENSIONS.
2. THE QUANTITIES SHOWN, MINUS VOLUMETRIC DISPLACEMENT OF CONCRETE BY PIPE CULVERTS THROUGH INLET WALLS, WILL BE USED AS THE BASIS OF FINAL PAYMENT UNLESS THIS PLAN IS MODIFIED.
3. FOR CONVENIENCE, DEPTHS OF INLETS SHOWN IN ABOVE TABLE ARE INCREMENTS OF 6". BUT ANY DEPTHS OTHER THAN THESE SHOWN MAY BE USED WHEREVER DEEMED NECESSARY. QUANTITIES FOR OTHER DEPTHS, FALLING WITHIN THE LIMITS OF THE TABLE, MAY BE FOUND BY INTERPOLATION.
4. FIELD CUT AND BEND BARS AS NECESSARY TO ACCOMMODATE STORM SEWER. NO DEDUCTIONS ARE TO BE MADE IN STEEL QUANTITIES.
5. WHERE INLET IS BEING USED ADJACENT TO SIDEWALK, REFER TO OTHER SHEETS FOR TOP DETAIL.

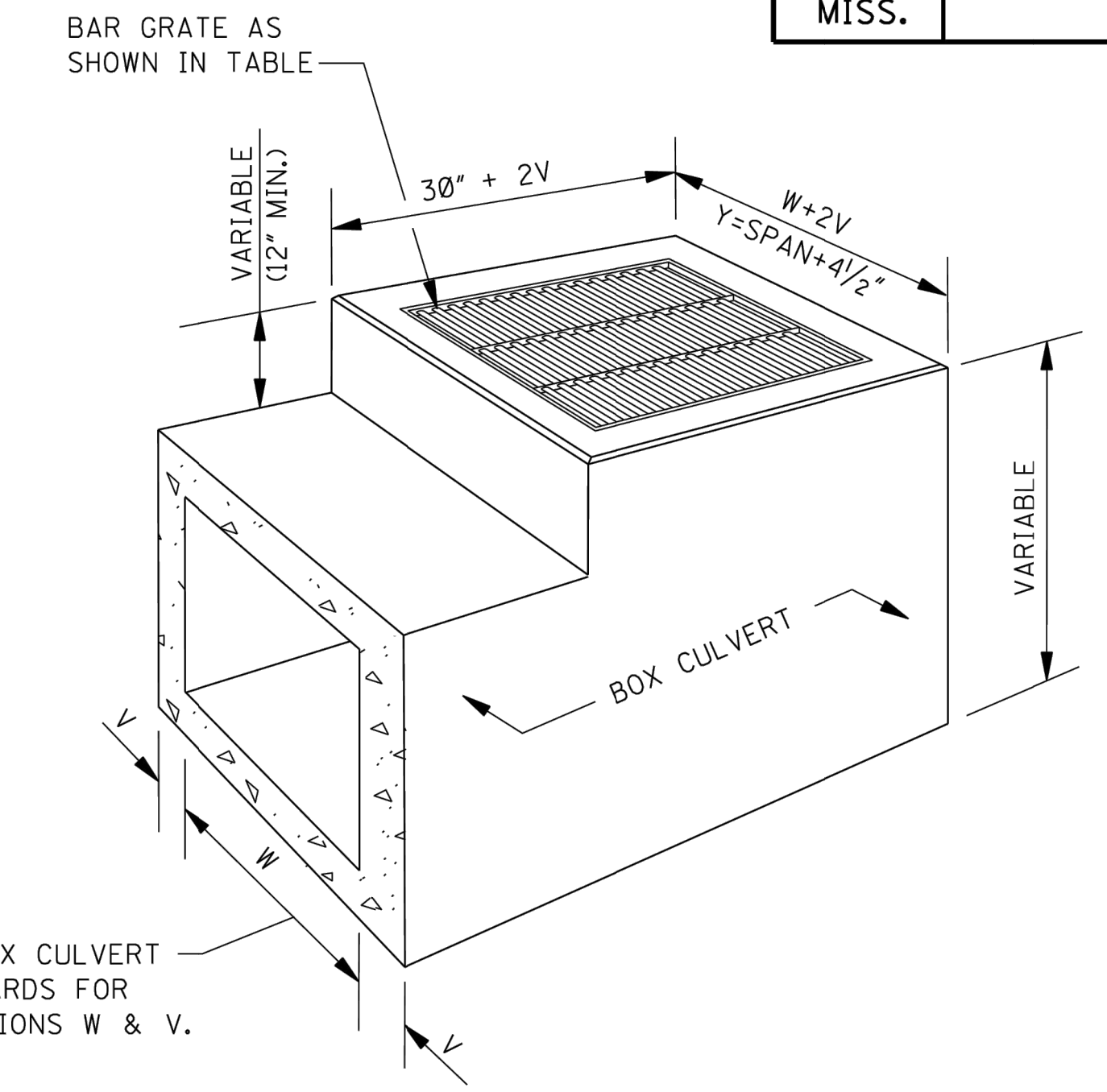
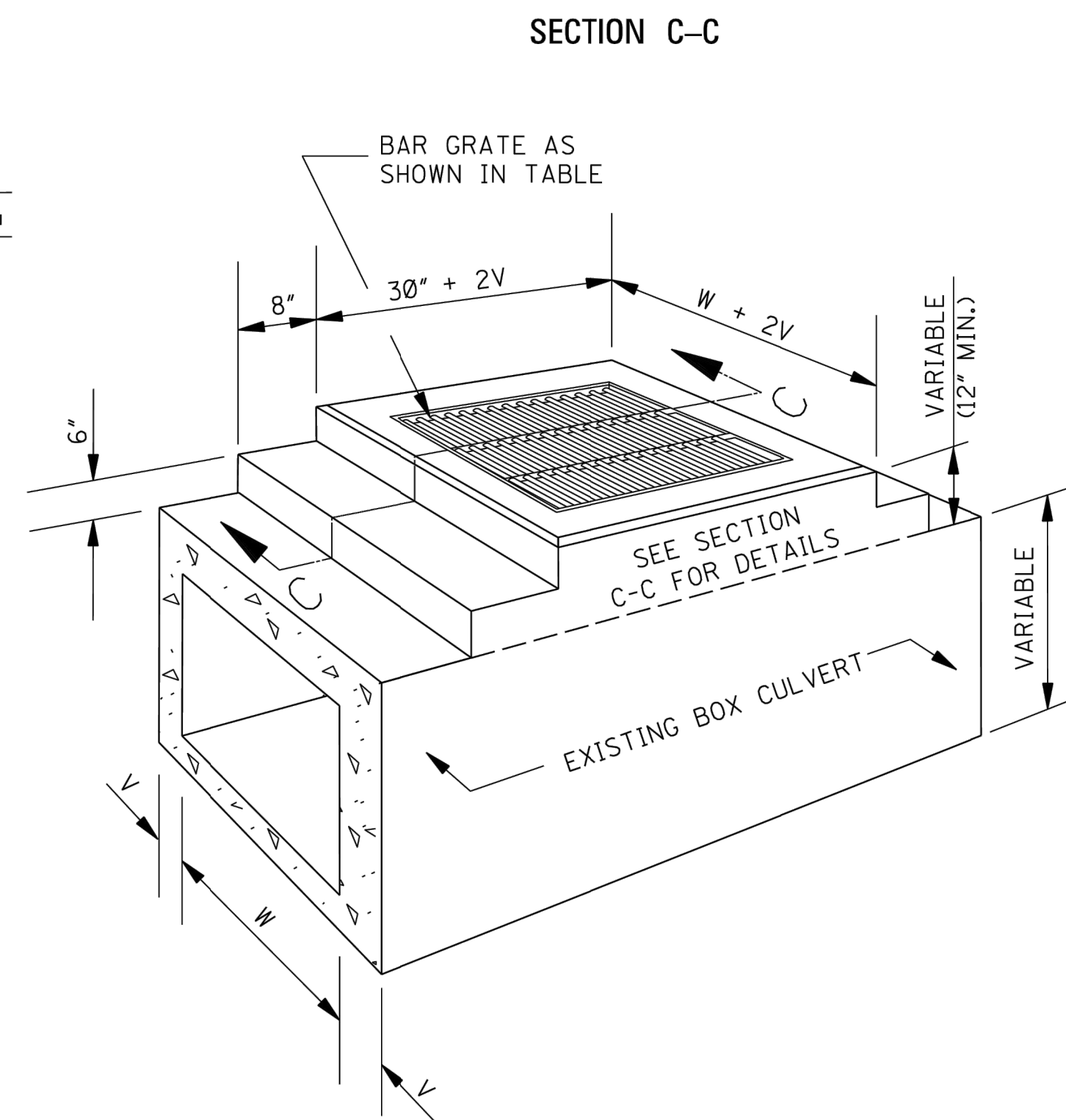
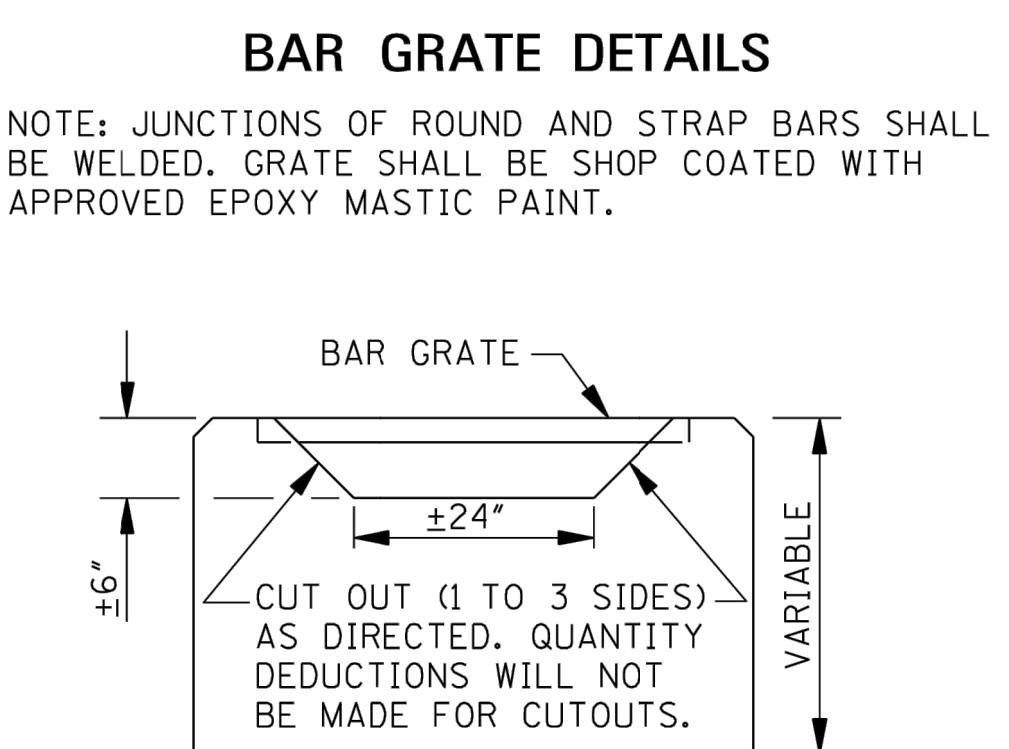
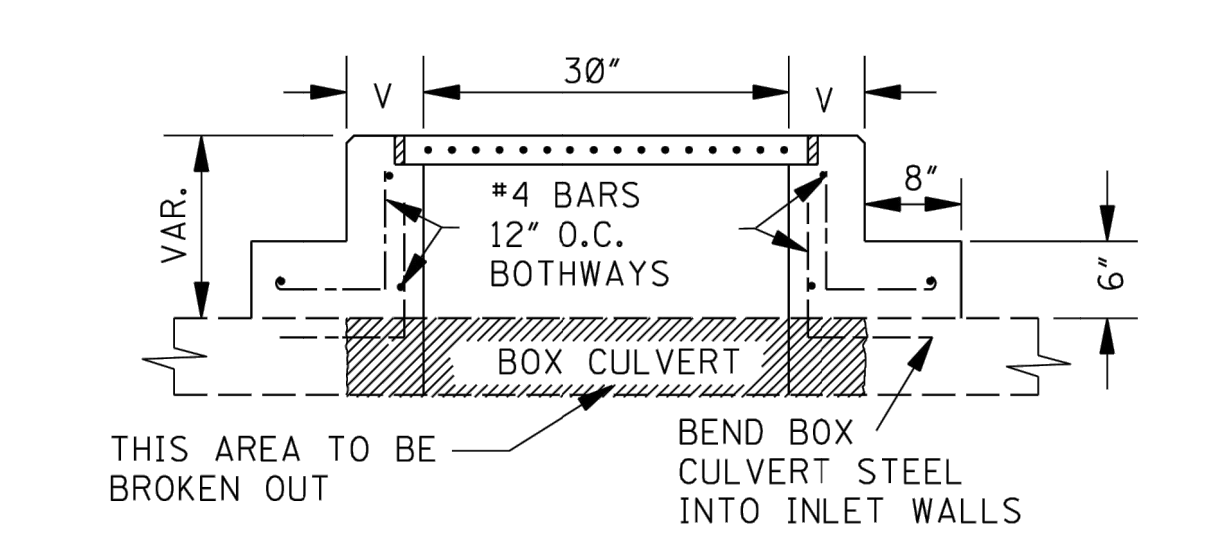
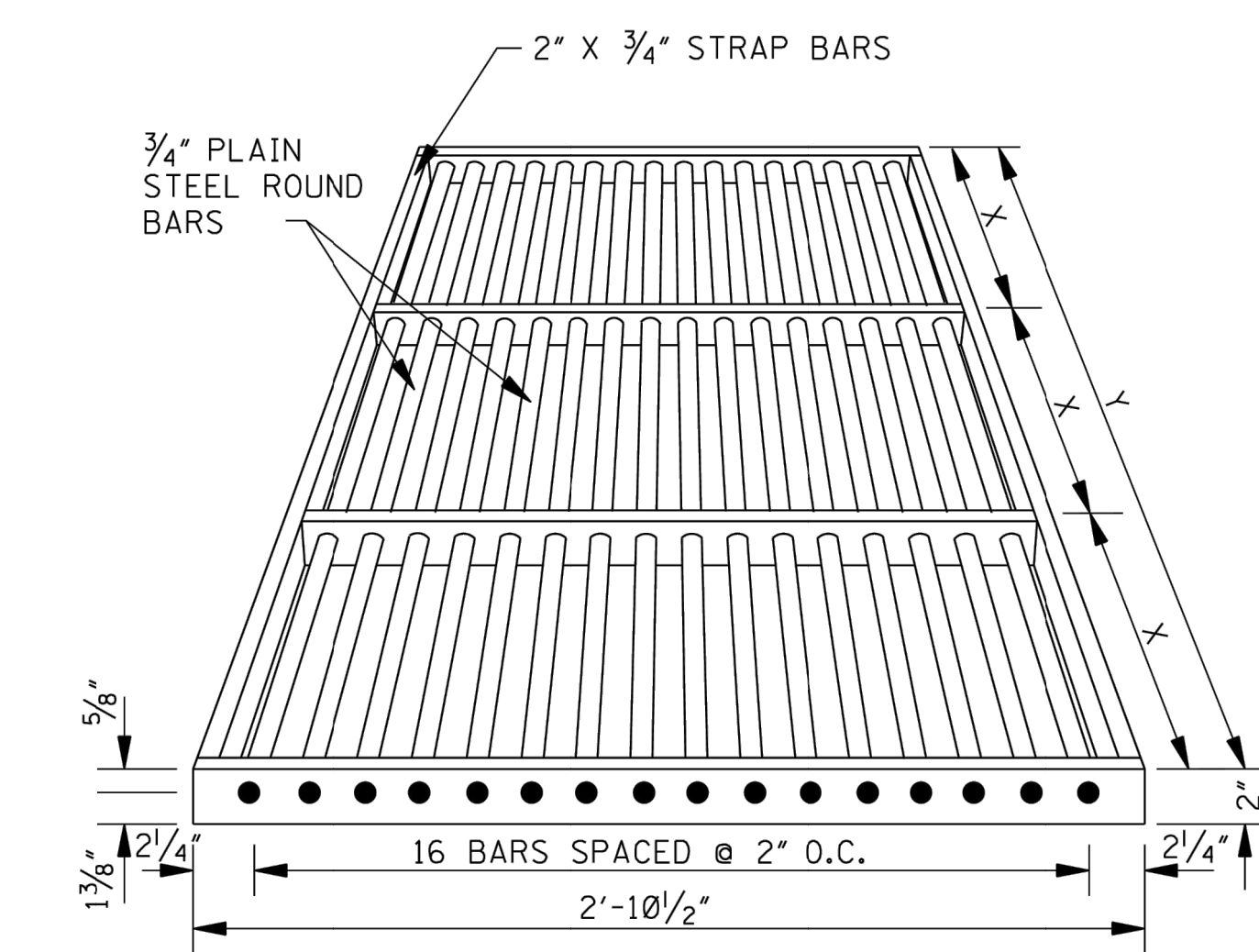
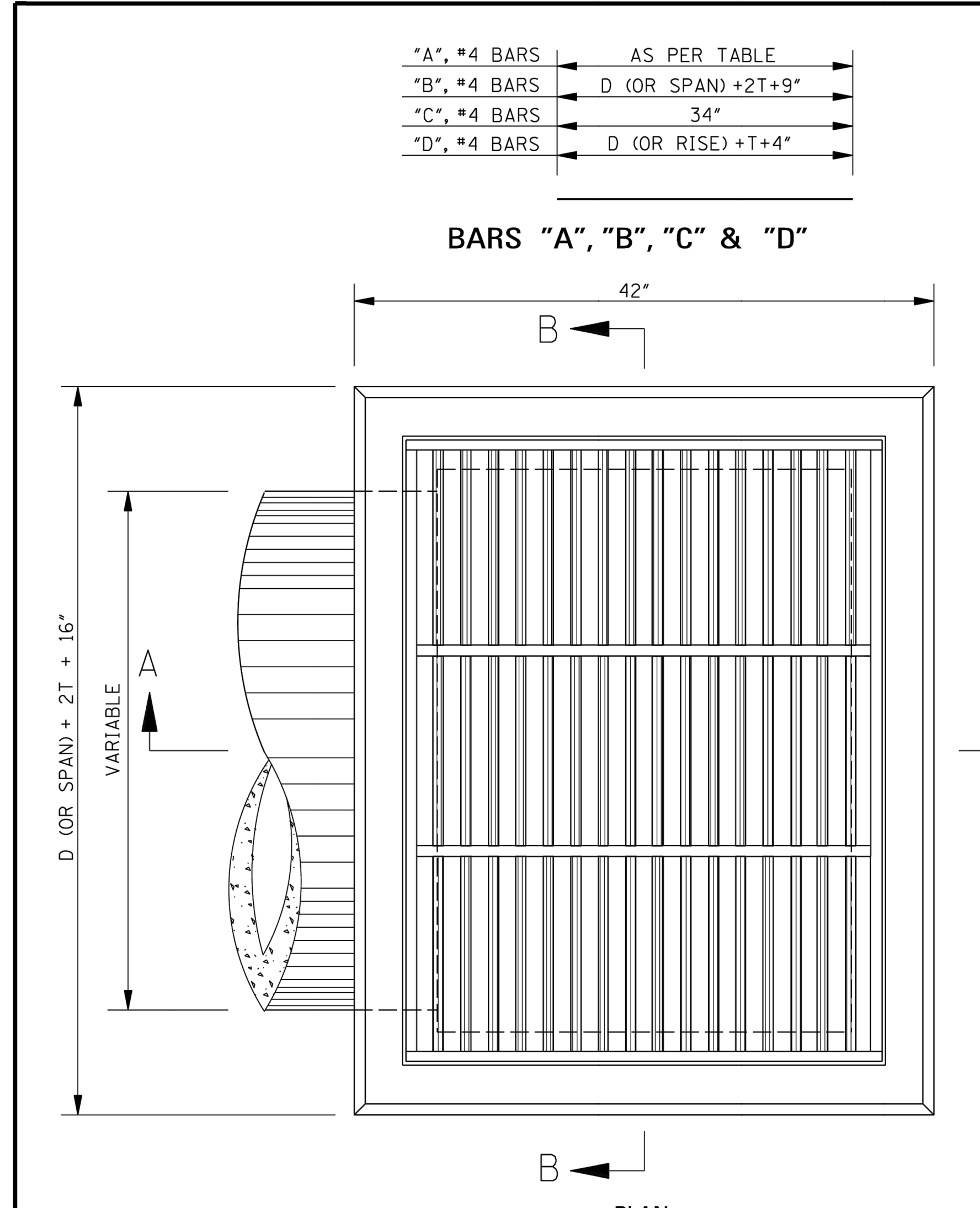


BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN
REVISION	
DATE	ISSUE DATE: AUGUST 01, 2017
WORKING NUMBER	SS-2
SHEET NUMBER	6524





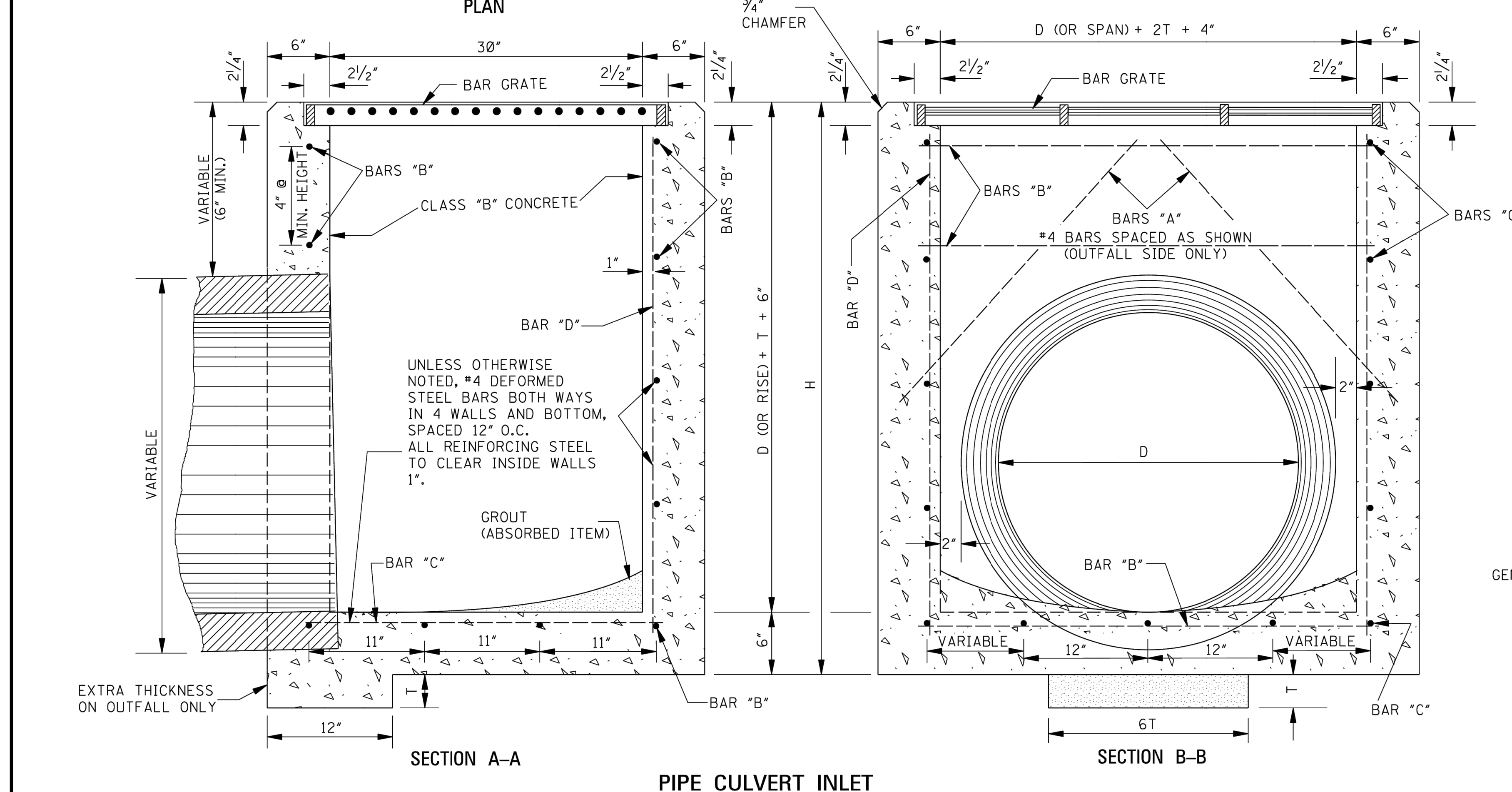
STATE	PROJECT NO.
MISS.	



LENGTH AND WEIGHT OF GRATING									
PIPE INLETS					BOX CULVERT INLETS				
PIPE SIZE	Y	X	NO. X-SPANS	WEIGHT (lbs)	BOX CULVERT SIZE	Y	X	NO. X-SPANS	WEIGHT (lbs)
18"	2'-7 1/2"	1'-3 3/4"	2	127	2' X 2'	2'-4 1/2"	1'-2 1/4"	2	119
22" X 13"	2'-11 1/2"	1'-5 3/4"	2	139	3' X 2'	3'-4 1/2"	1'-1 1/2"	3	166
24"	3'-2 1/2"	1'-7 1/4"	2	147	4' X 2'	4'-4 1/2"	1'-5 1/2"	3	200
29" X 18"	3'-7"	1'-2 1/2"	3	173	5' X 2'	5'-4 1/2"	1'-4 1/8"	4	247
30"	3'-9 1/2"	1'-3 3/4"	3	180	6' X 2'	6'-4 1/2"	1'-3 3/4"	5	293
36"	4'-4 1/2"	1'-5 1/2"	3	200	7' X 2'	7'-4 1/2"	1'-5 1/4"	5	328
42"	4'-11 1/2"	1'-2 1/8"	4	232	8' X 2'	8'-4 3/4"	1'-4 3/4"	6	374
48"	5'-6 1/2"	1'-4 3/8"	4	252	3' X 3'	3'-4 1/2"	1'-1 1/2"	3	166
54"	6'-1 1/2"	1'-6 1/8"	4	272	4' X 3'	4'-4 1/2"	1'-5 1/2"	3	200
60"	6'-8 1/2"	1'-4 3/8"	5	305	5' X 3'	5'-4 1/2"	1'-4 1/8"	4	247
					6' X 3'	6'-4 1/2"	1'-3 3/4"	5	293

QUANTITIES																	
PIPE SIZE	MIN. DEPTH TO F.L.	MIN. CONC * (yd ³)	STEEL (lbs)	CONC (yd ³)	STEEL (lbs)	PIPE OPENING DEDUCTION (yd ³)	T	BARS/SIZES									
								"A" #4	"B" #4	"C" #4	"D" #4	"A" #4	"B" #4	"C" #4	"D" #4		
18"	2.209'	0.623	42	0.213	13	0.053	2 1/2"	2 @ 21"	8 @ 32"	7 @ 34"	9 @ 24 1/2"						
22" X 13"	1.833'	0.586	42	0.225	14	0.053	2 1/2"	2 @ 25"	8 @ 36"	7 @ 34"	9 @ 20"						
24"	2.750'	0.800	55	0.235	14	0.091	3"	2 @ 25"	9 @ 39"	9 @ 34"	9 @ 31"						
29" X 18"	2.250'	0.742	57	0.248	16	0.087	3"	2 @ 30"	9 @ 43 1/2"	9 @ 34"	11 @ 25"						
30"	3.292'	0.992	70	0.256	16	0.138	3 1/2"	2 @ 30"	9 @ 46"	11 @ 34"	11 @ 37 1/2"						
36"	3.834'	1.198	85	0.278	17	0.196	4"	2 @ 33"	10 @ 53"	13 @ 34"	11 @ 44"						
42"	4.375'	1.418	93	0.299	18	0.263	4 1/2"	2 @ 36"	10 @ 60"	13 @ 34"	11 @ 50 1/2"						
48"	4.917'	1.653	109	0.321	19	0.340	5"	2 @ 39"	11 @ 67"	15 @ 34"	11 @ 57"						
54"	5.458'	1.902	136	0.343	21	0.427	5 1/2"	2 @ 42"	12 @ 74"	19 @ 34"	13 @ 63 1/2"						
60"	6.000'	2.165	146	0.364	21	0.524	6"	2 @ 47"	12 @ 81"	19 @ 34"	13 @ 70"						

*NOTE: ONE (1) PIPE OPENING HAS BEEN DEDUCTED FROM THE STRUCTURE.



- GENERAL NOTES:**
- QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
 - BOX CULVERTS:
 - UNLESS OTHERWISE SHOWN, THE DETAILS OF THE BOX CULVERT INLETS SHALL CONFORM TO THOSE SHOWN FOR THE PIPE INLETS.
 - BOX CULVERT REINFORCEMENT SHALL BE CONTINUED AND RESHAPED TO ACCOMMODATE THE INLET BOX. ADDITIONAL BARS SHALL BE THE SAME DIAMETER AS THOSE IN THE BOX CULVERT AND THE CONCRETE SHALL BE THE SAME. QUANTITIES SHALL BE COMPUTED IN CONJUNCTION WITH QUANTITIES FOR BOX CULVERT.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

**DROP INLET AND GRATE
DETAILS FOR PIPE
AND BOX CULVERTS**

WORKING NUMBER
B-9

SHEET NUMBER
6527

ISSUE DATE: AUGUST 01, 2017

Meridian High School
Baseball/Softball Re-Bid
2320 32nd St, Meridian, MS 39305

Construction Documents

Project No 22034-03
Date 8/10/23
Revisions Rev Date
Addendum #1 8/10/23

WG K
204 West Leake Street
Clinton, Mississippi 39056
p. 601.925.4444

132 West Cherokee Street
Brookhaven, Mississippi 39601
p. 601.833.9598

C-818
Drop Inlets and Grate
Details for Pipes and Box
Culverts

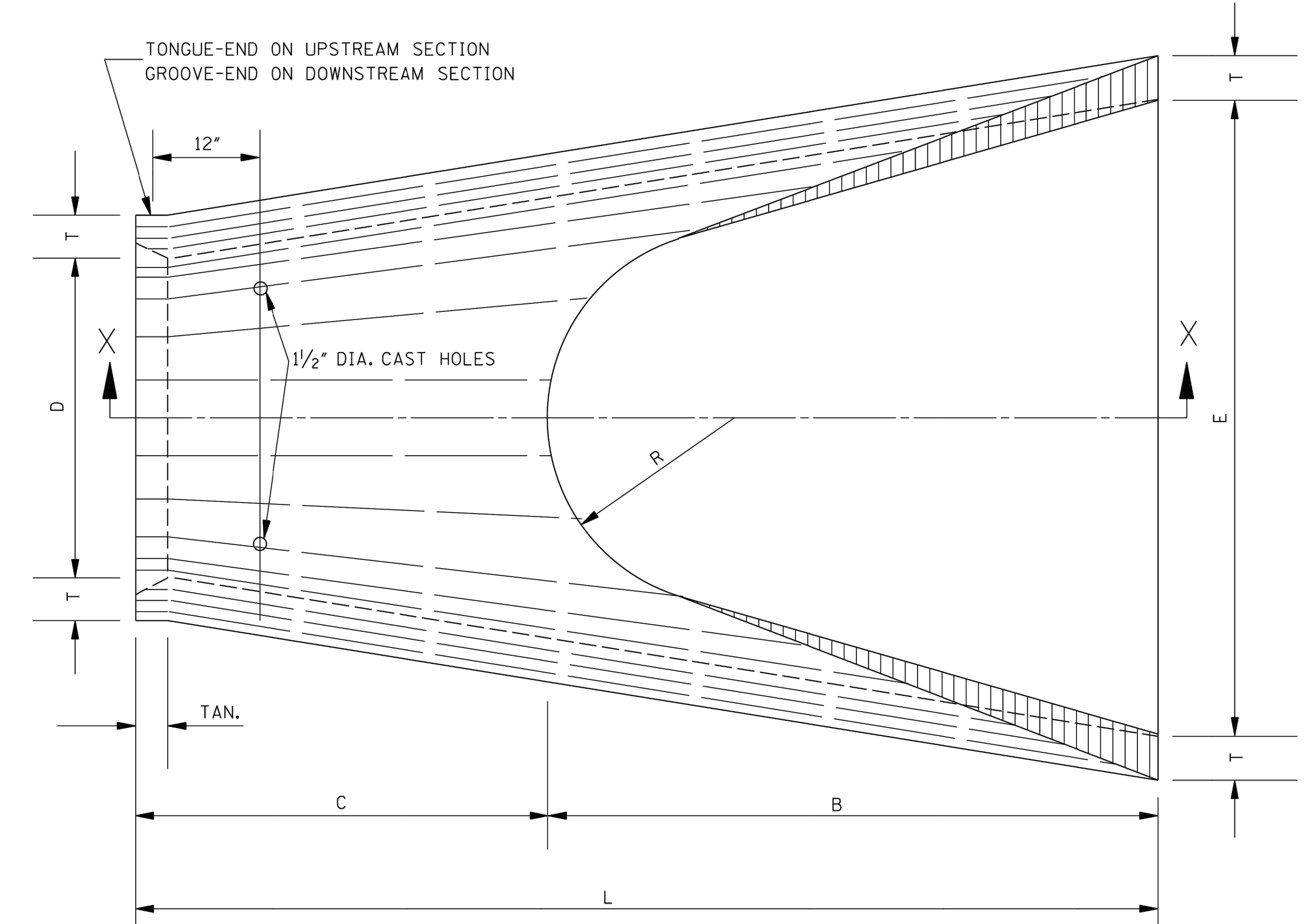
Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411
201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432
161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409
dalebaileyplans.com



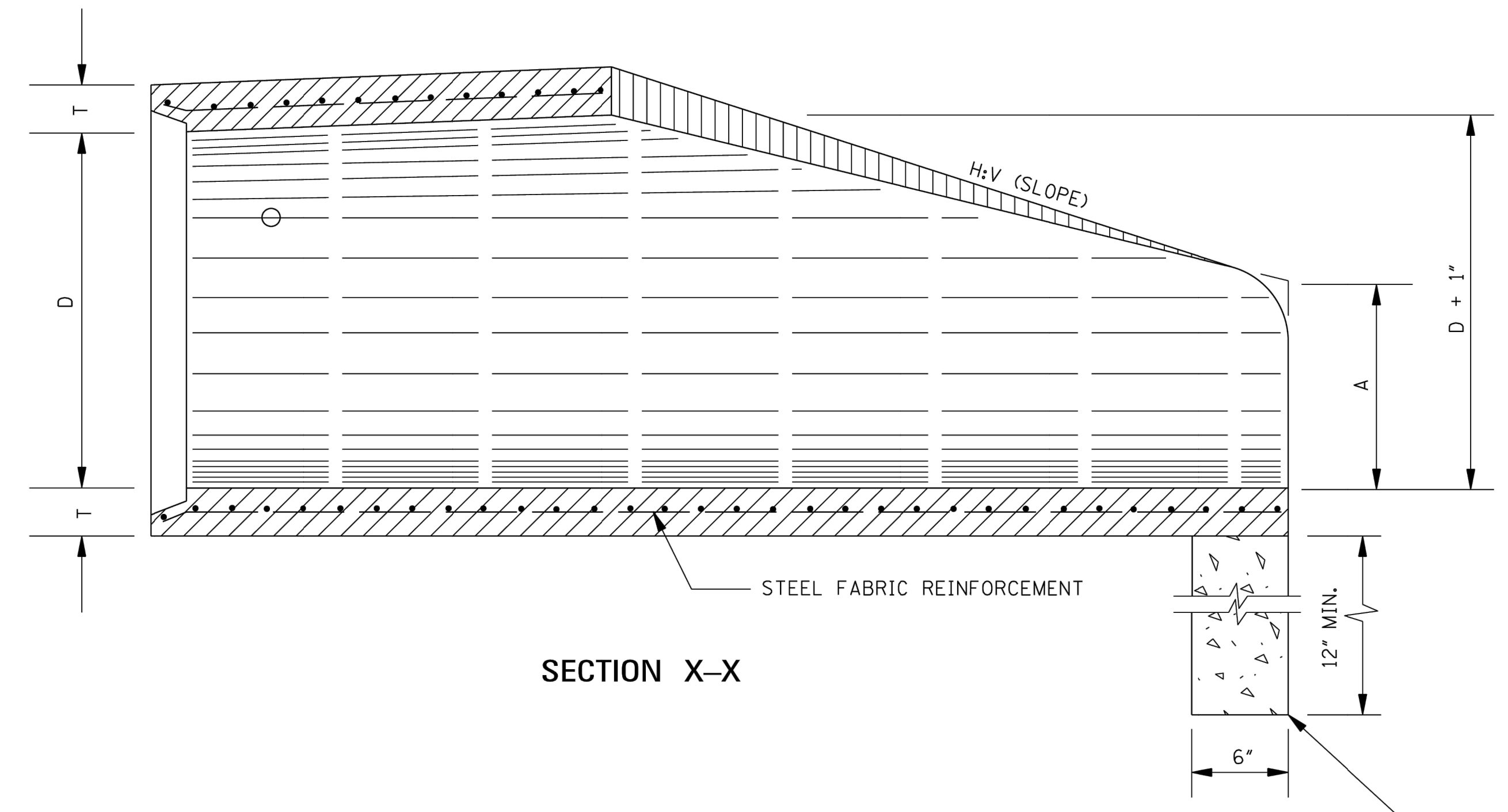
STATE	PROJECT NO.
MISS.	

BELL AND SPIGOT END OPTION

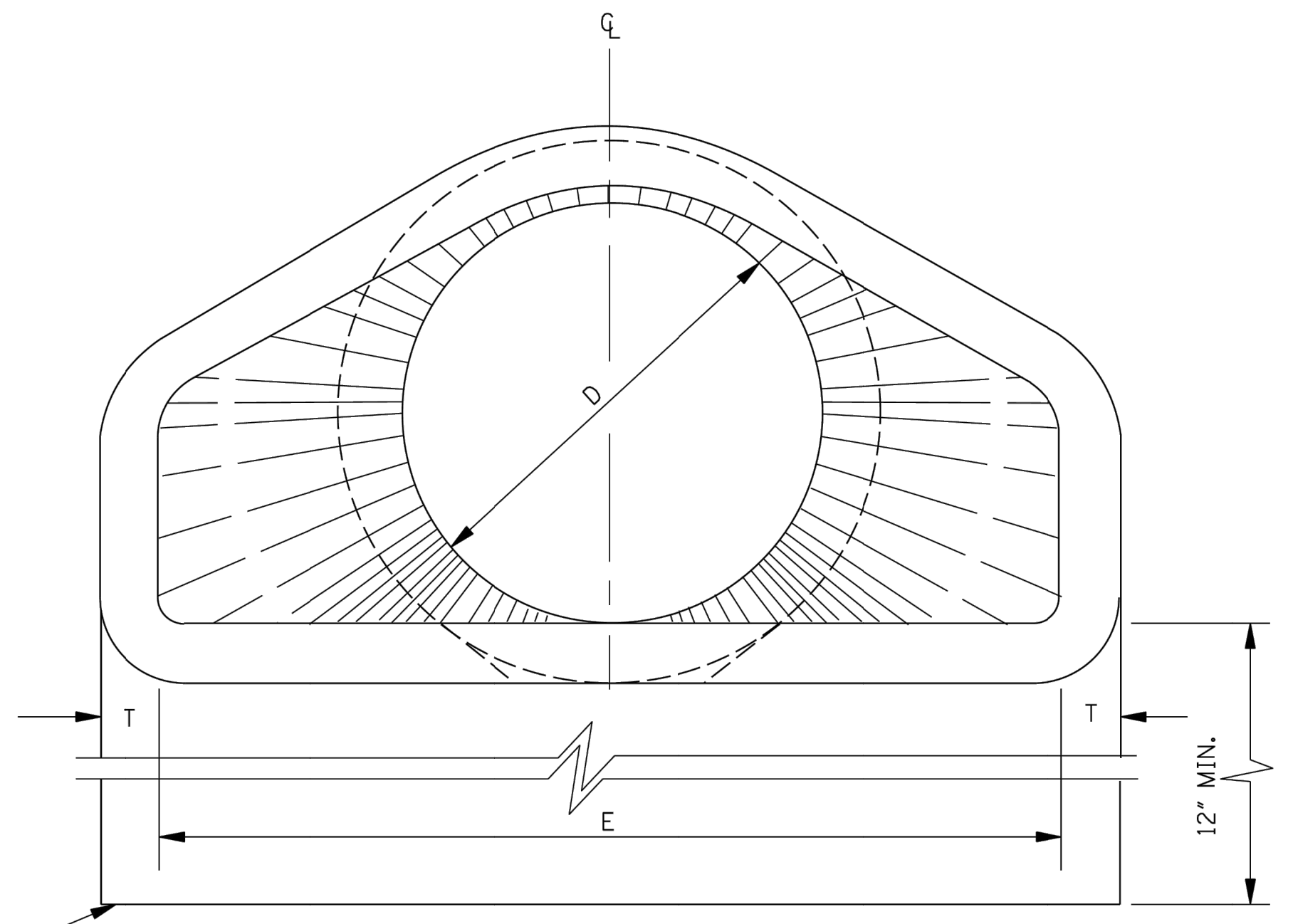
NOTE: BELL-END ON DOWNSTREAM SECTION
SPIGOT-END ON UPSTREAM SECTION.



PLAN OF DOWNSTREAM END



SECTION X-X



END ELEVATION

TOE WALL REQUIRED ON ALL FLARED END SECTIONS. TO BE PAID FOR AS CLASS "B" STRUCTURAL CONCRETE - MINOR STRUCTURES.

TABLE OF DIMENSIONS							
D	T	H:V	A	B	C	E	L
15"	2 1/4"	3:1	6"	2'-3"	4'-1"	2'-8"	6'-1"
18"	2 1/2"	3:1	9"	2'-3"	3'-10"	3'-0"	6'-1"
24"	3"	3:1	10"	3'-8"	2'-6"	4'-0"	6'-2"
30"	3 1/2"	3:1	1'-0"	4'-6"	1'-8"	5'-0"	6'-2"
36"	4"	3:1	1'-3"	5'-3"	2'-11"	6'-0"	8'-2"
42"	4 1/2"	3:1	1'-9"	5'-3"	2'-11"	6'-6"	8'-2"
48"	5"	3:1	2'-0"	6'-0"	2'-2"	7'-0"	8'-2"
54"	5 1/2"	3:1	2'-4"	6'-6"	1'-10"	7'-6"	8'-4"
* 60"	6"	3:1	2'-10"	6'-6"	1'-10"	8'-0"	8'-4"
* 66"	6 1/2"	3:1	3'-4"	6'-6"	1'-10"	8'-6"	8'-4"
* 72"	7"	3:1	3'-10"	6'-6"	1'-10"	9'-0"	8'-4"

* NOTE: SEE GENERAL NOTE 2.

TOE WALL CONC. QUANTITY (yd ³)
0.056
0.063
0.083
0.102
0.123
0.134
0.145
0.156
0.167
0.177
0.188

GENERAL NOTES:

- REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF REINFORCED CONCRETE PIPE OF LIKE DIAMETER PER AASHTO M 170, TABLE 2, WALL B.
- 2 - 1/2" DIA. CAST HOLES REQUIRED AS SHOWN TO ACCOMMODATE 2 - 1" DIA. TIE BOLTS, USED IN TIEING SECTION TO PIPE CULVERT.
- LENGTH (L) OF A BELL-END OPTION MAY VARY BY A NOMINAL EXTENSION ON THE BELL END.
- FLARED END SECTIONS SHOULD BE REGARDED AS OBSTACLES UNDER THE BELOW CONDITIONS AND AS SUCH SHOULD BE LOCATED OUTSIDE OF THE CLEAR ZONE:
 - CROSS DRAINS WITH SINGLE ROUND PIPES OF DIAMETER GREATER THAN 36" OR EQUIVALENT FOR ARCH PIPES.
 - CROSS DRAINS WITH MULTIPLE ROUND PIPES OF DIAMETER GREATER THAN 30" OR EQUIVALENT FOR ARCH PIPES.
 - PARALLEL SIDE DRAINS WITH SINGLE ROUND PIPES OF DIAMETER GREATER THAN 24" OR EQUIVALENT FOR ARCH PIPES.
- ALL SIZES OF FLARED END SECTIONS FOR CIRCULAR CONCRETE PIPE MAY BE FURNISHED WITH EITHER BELL AND SPIGOT OR TONGUE AND GROOVE ENDS.

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
REVISION		<p align="center">FLARED END SECTION FOR CONCRETE PIPE</p>	
DATE			
ISSUE DATE: AUGUST 01, 2017		WORKING NUMBER FE-1	SHEET NUMBER 6530

Meridian High School
Baseball/Softball Re-Bid
2320 32nd St, Meridian, MS 39305

Construction Documents
Project No 22034-03
Date 8/10/23
Revisions Rev Date
Addendum #1 8/10/23

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