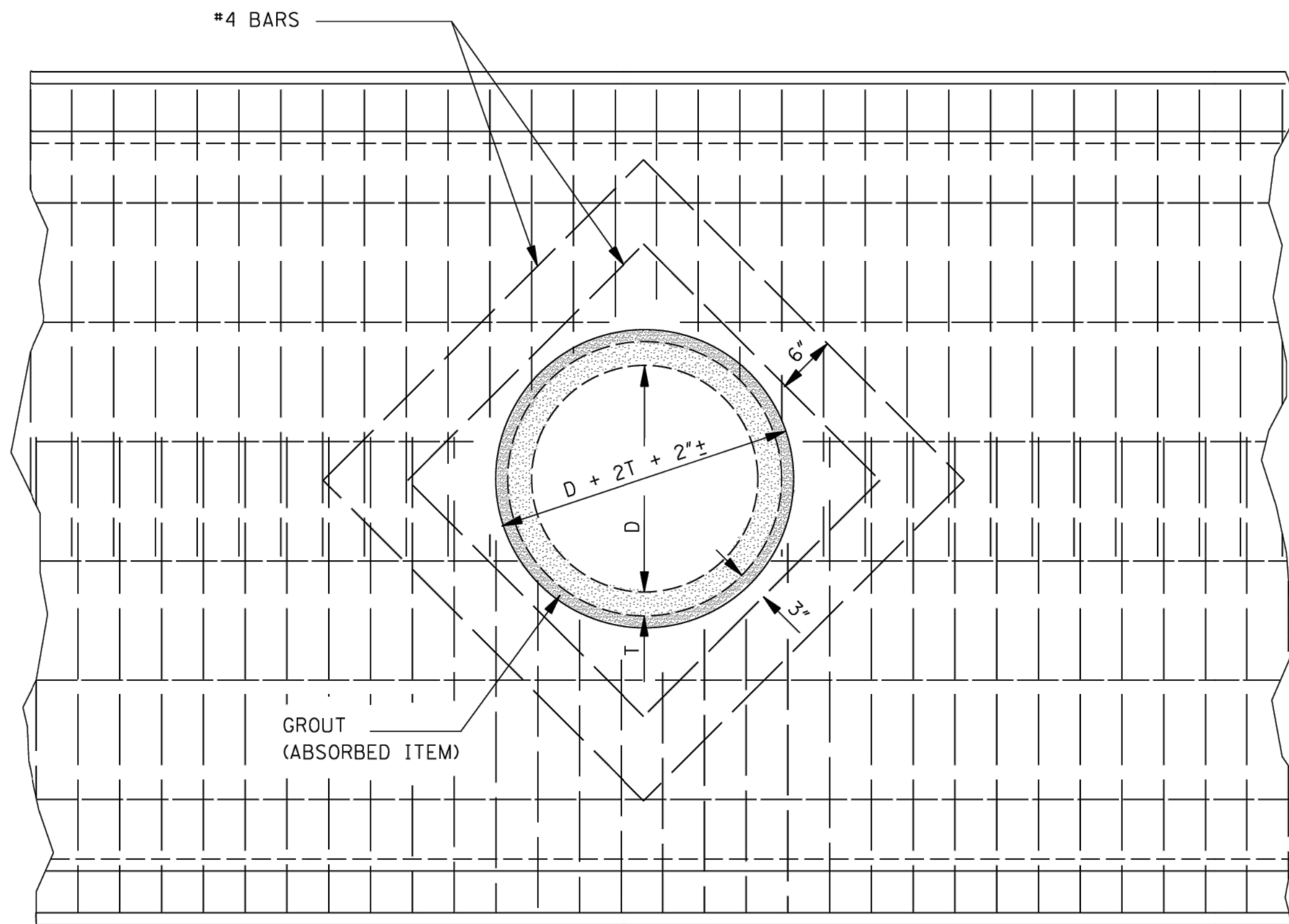
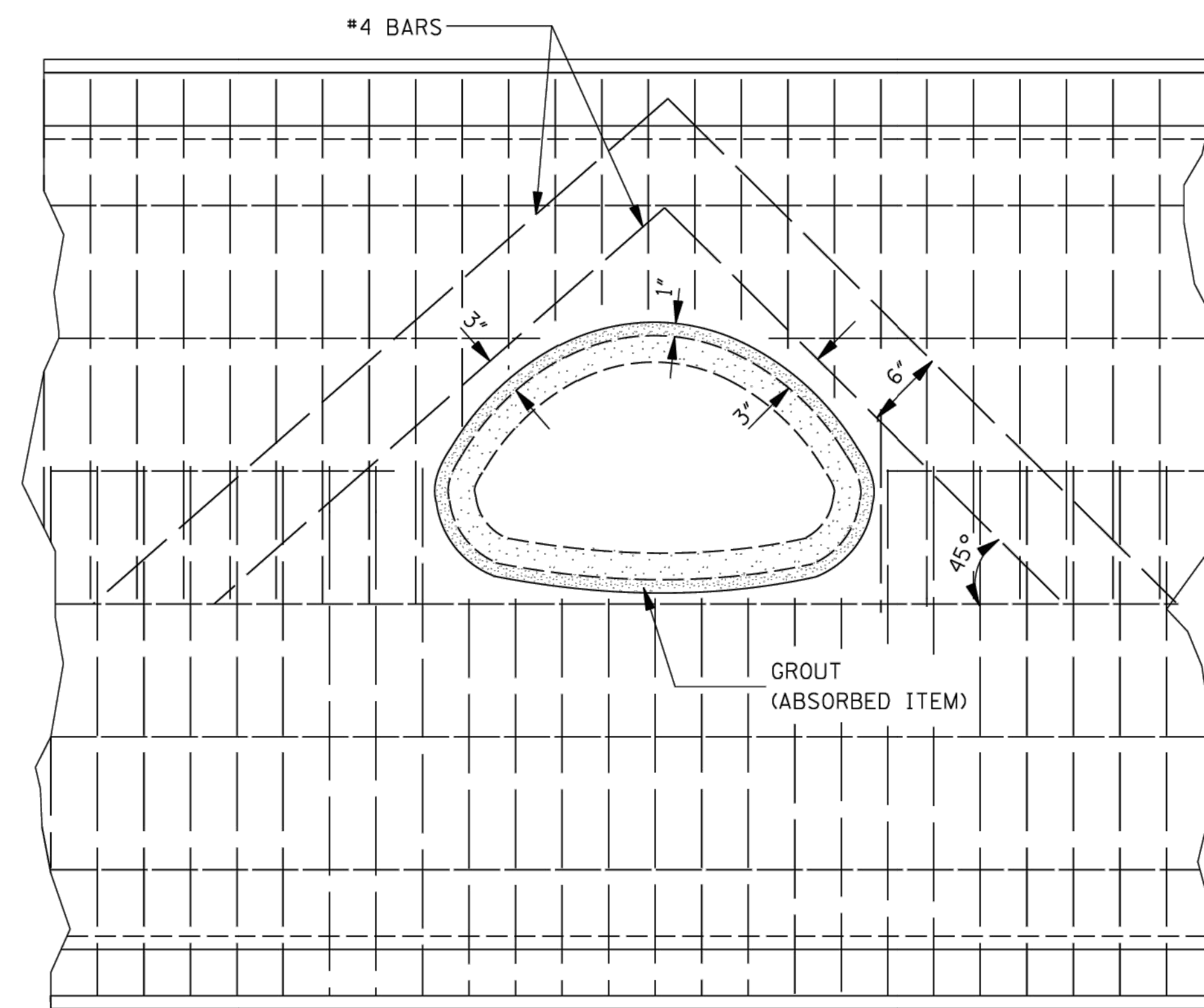




STATE	PROJECT NO.
MISS.	



**ELEVATION SHOWING CIRCULAR PIPE  
STUBBED INTO BOX CULVERT BARREL OR WING-WALL**



**ELEVATION SHOWING ARCH PIPE STUBBED  
INTO BOX CULVERT BARREL OR WING-WALL**

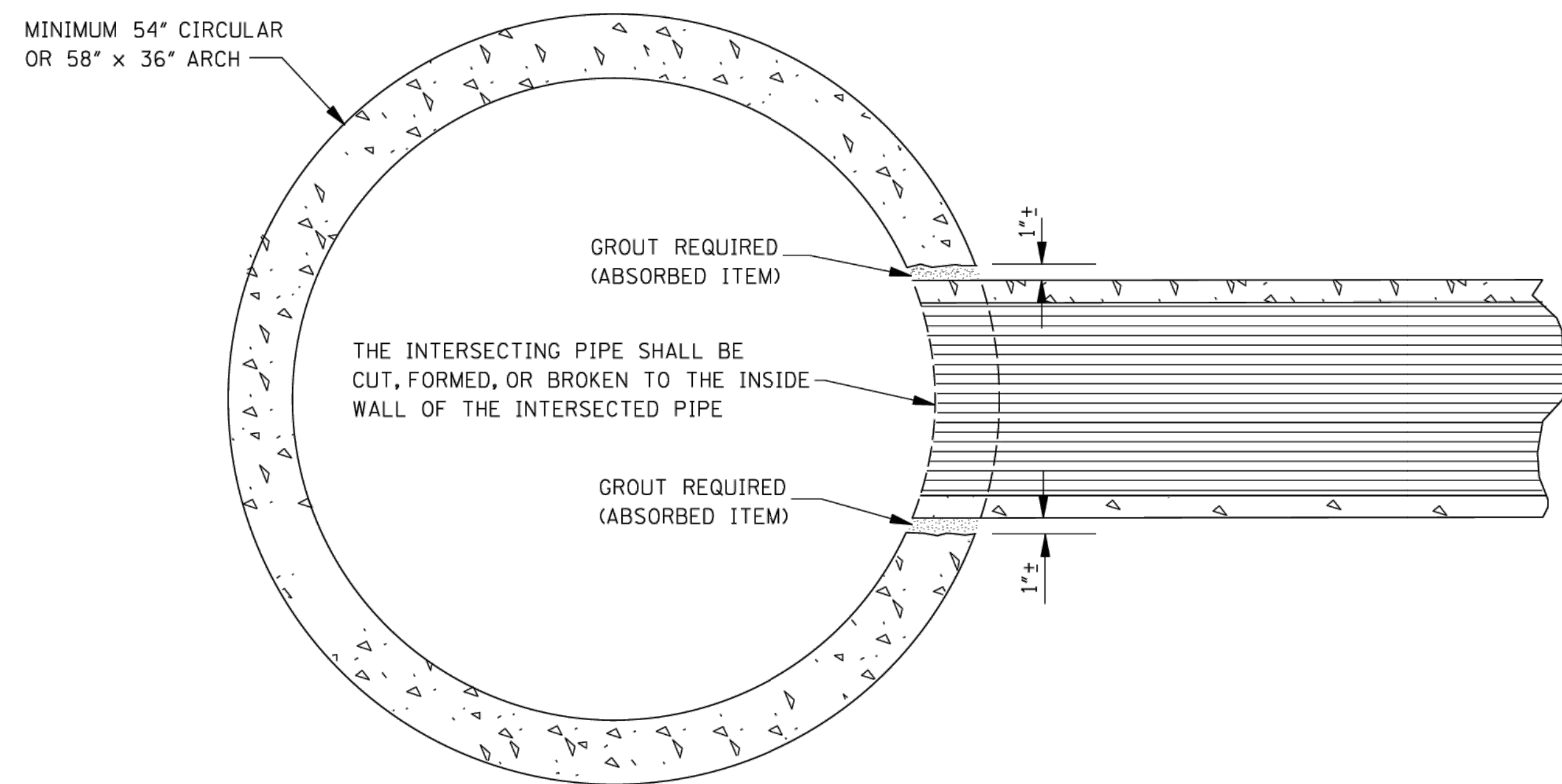
BAR LIST		
PIPE SIZE	#4 BARS NO.	LGTH.
18"	4	2'-6"
	4	3'-6"
24"	4	3'-1"
	4	4'-1"
30"	4	3'-8 1/2"
	4	4'-8 1/2"
22" X 13"	2	3'-10"
	2	4'-9"
29" X 18"	1	5'-4"
	2	4'-6"
	2	5'-5"
	1	6'-3"

**NOTES:**

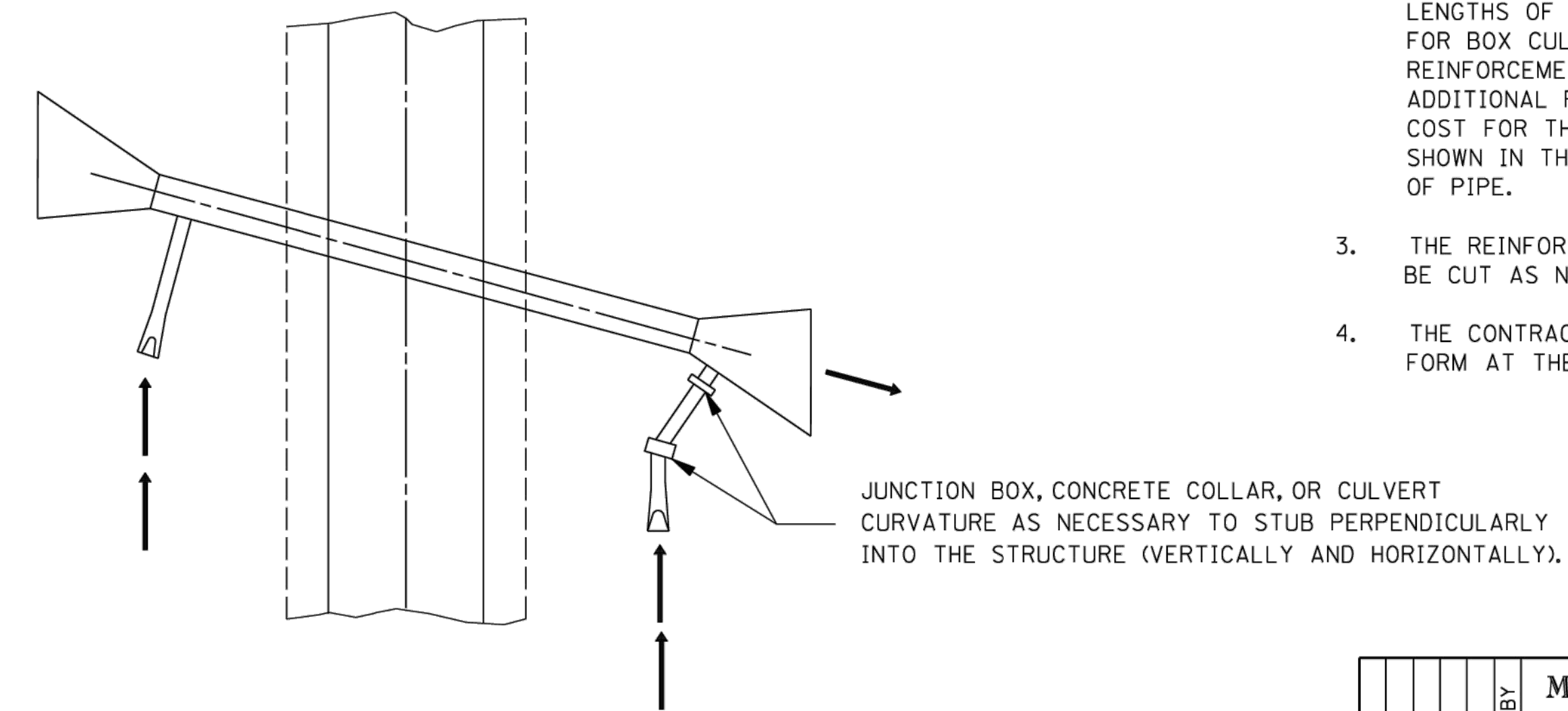
1. A 24" DIAMETER PIPE IS THE MAXIMUM SIZE THAT MAY BE STUBBED INTO A 54" DIAMETER PIPE.
2. A 60" DIAMETER PIPE IS THE MINIMUM SIZE THAT A 30" DIAMETER PIPE MAY BE STUBBED INTO.

**GENERAL NOTES:**

1. PAYMENT FOR WORK AND MATERIALS FOR STUBBING A PIPE CULVERT INTO A BOX CULVERT OR CONCRETE PIPE SHALL BE PAID FOR AS A BRANCH CONNECTION OF THE APPROPRIATE SIZE, TYPE AND DESCRIPTION.
2. THE TABLE ON THIS SHEET INDICATES THE NUMBER AND LENGTHS OF ADDITIONAL REINFORCING STEEL BARS REQUIRED FOR BOX CULVERTS CONSTRUCTED. FOR A DOUBLE ROW OF REINFORCEMENT, DOUBLE THE NUMBER OF BARS SHOWN. THE ADDITIONAL REINFORCING STEEL SHALL BE INCLUDED IN THE COST FOR THIS TYPE OF BRANCH CONNECTION. THE QUANTITIES SHOWN IN THE TABLE ARE FOR THE MOST COMMON SIZES OF PIPE.
3. THE REINFORCEMENT OF THE INTERSECTED BOX OR PIPE SHALL BE CUT AS NECESSARY TO ACCOMMODATE THE STUBBED PIPE.
4. THE CONTRACTOR MAY INSERT THE INTERSECTING PIPE INTO THE FORM AT THE PROPER LOCATION IN LIEU OF FORMING BY BLOCKING OUT.



**ELEVATION SHOWING PIPE CULVERT  
STUBBED INTO CONCRETE PIPE CULVERT**  
NOTE: TYPICAL INSTALLATION FOR MEDIAN STUB TO CROSSING DRAIN WITH MINIMUM COVER.



**TYPICAL PLAN OF BRANCH CONNECTION  
TO BOX CULVERT WING-WALL**

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
REVISION		<b>BRANCH CONNECTIONS</b>	
DATE		ISSUE DATE: AUGUST 01, 2017	
		WORKING NUMBER BC-1	
		SHEET NUMBER 6507	

Meridian High School Baseball/Softball

2320 32nd St., Meridian, MS 39305

100%  
Construction  
Documents

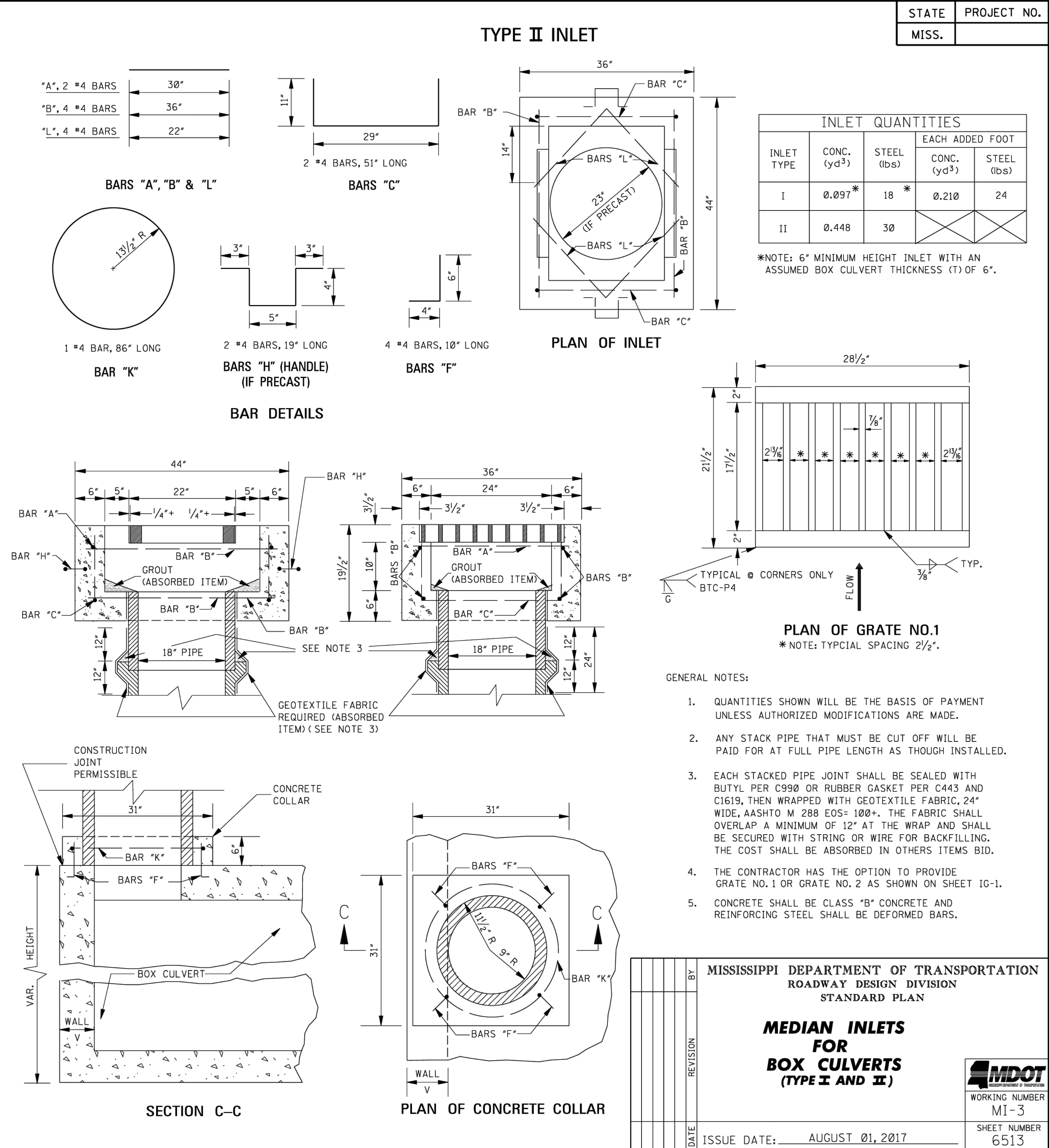
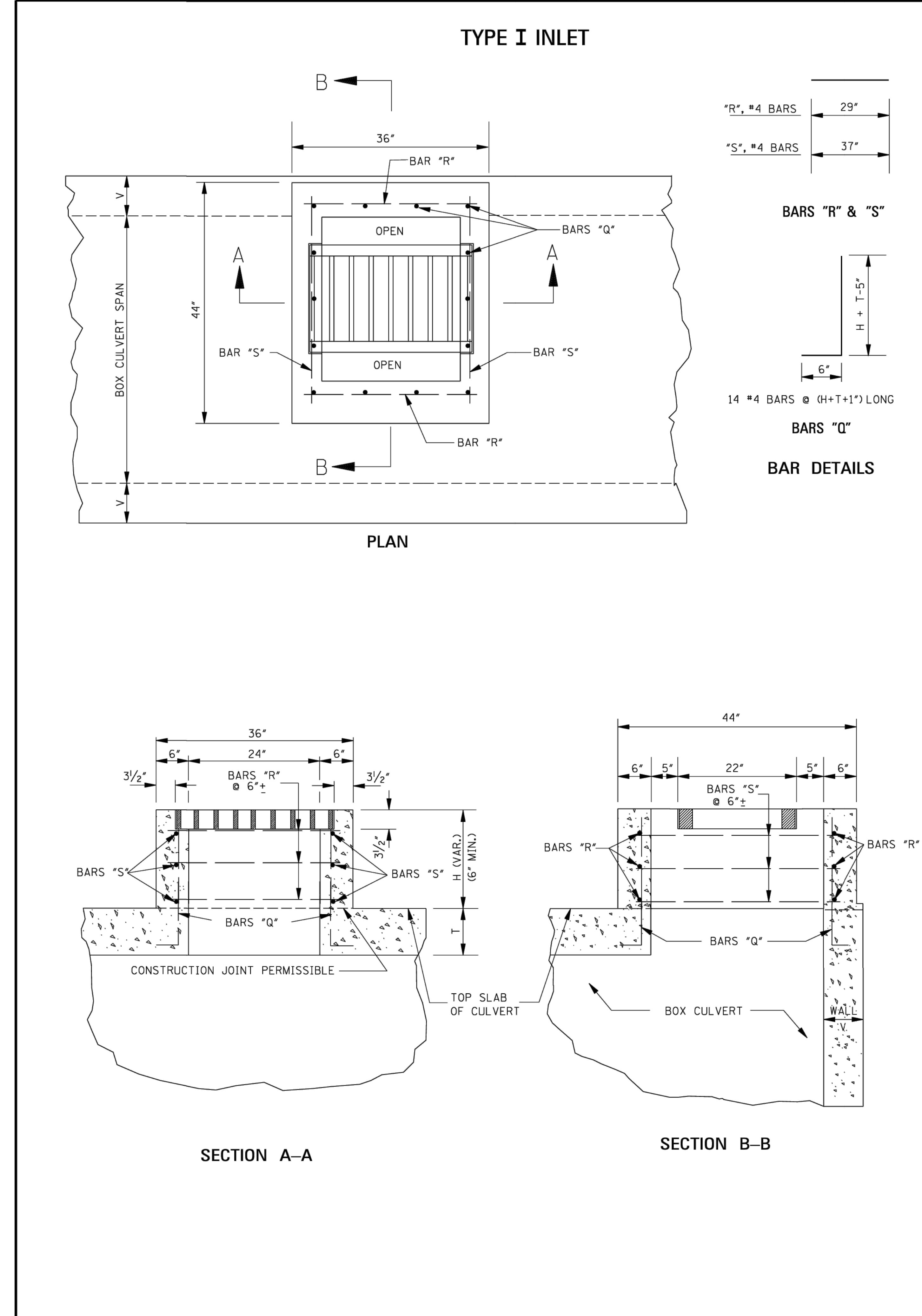
Project No 22034-03  
Date March 6, 2023  
Revisions Rev Date  
Rev. 4 April 19, 2023



STATE	PROJECT NO.
MISS.	

INLET QUANTITIES				
INLET TYPE	CONC. (yd <sup>3</sup> )	STEEL (lbs)	EACH ADDED FOOT	
			CONC. (yd <sup>3</sup> )	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".



V:\Data Partners\2023-249-00 Meridian High School Baseball\_Softball\_1\Production Drawings\Working\MDOT Details\_Meridian.dwg/19/2023 2:58 PM

**Meridian High School Baseball/Softball**  
2320 32nd St., Meridian, MS 39305

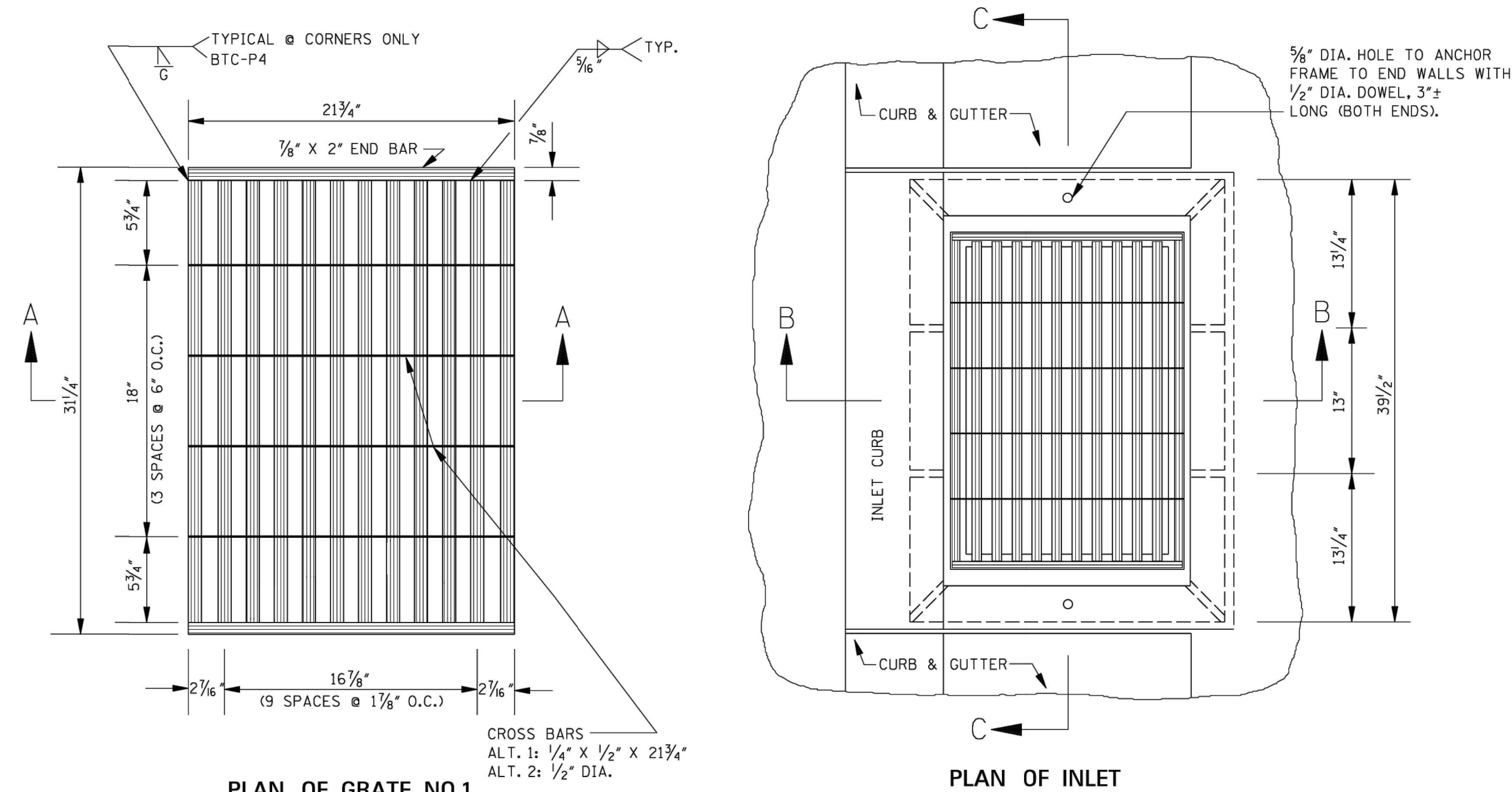
100%  
Construction Documents  
Project No 22034-03  
Date March 6, 2023  
Revisions Rev Date  
Rev. 4 April 19, 2023

**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-814**  
Median Inlets for Box Culvert

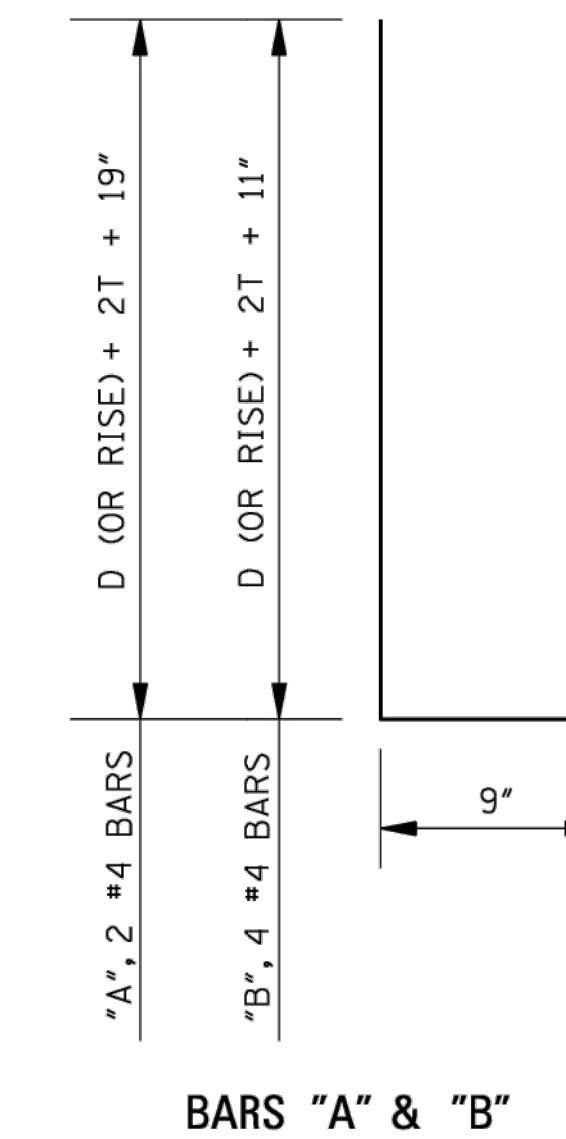
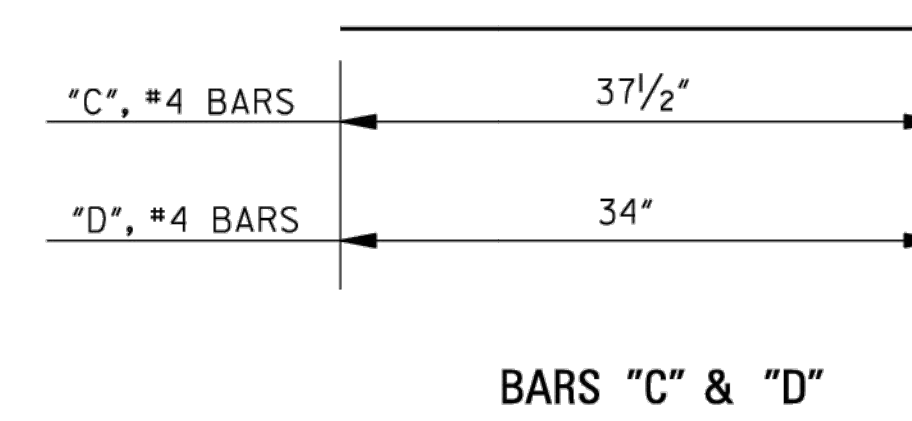


STATE	PROJECT NO.
MISS.	



PIPE SIZE	MIN. DEPTH TO F.L.	MIN. DEPTH INLET		PIPE OPENING DEDUCTION (yd <sup>3</sup> )	T	BAR LIST			
		CONC. (yd <sup>3</sup> )	STEEL (lbs)			BARS "A" #4	BARS "B" #4	BARS "C" #4	BARS "D" #4
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"

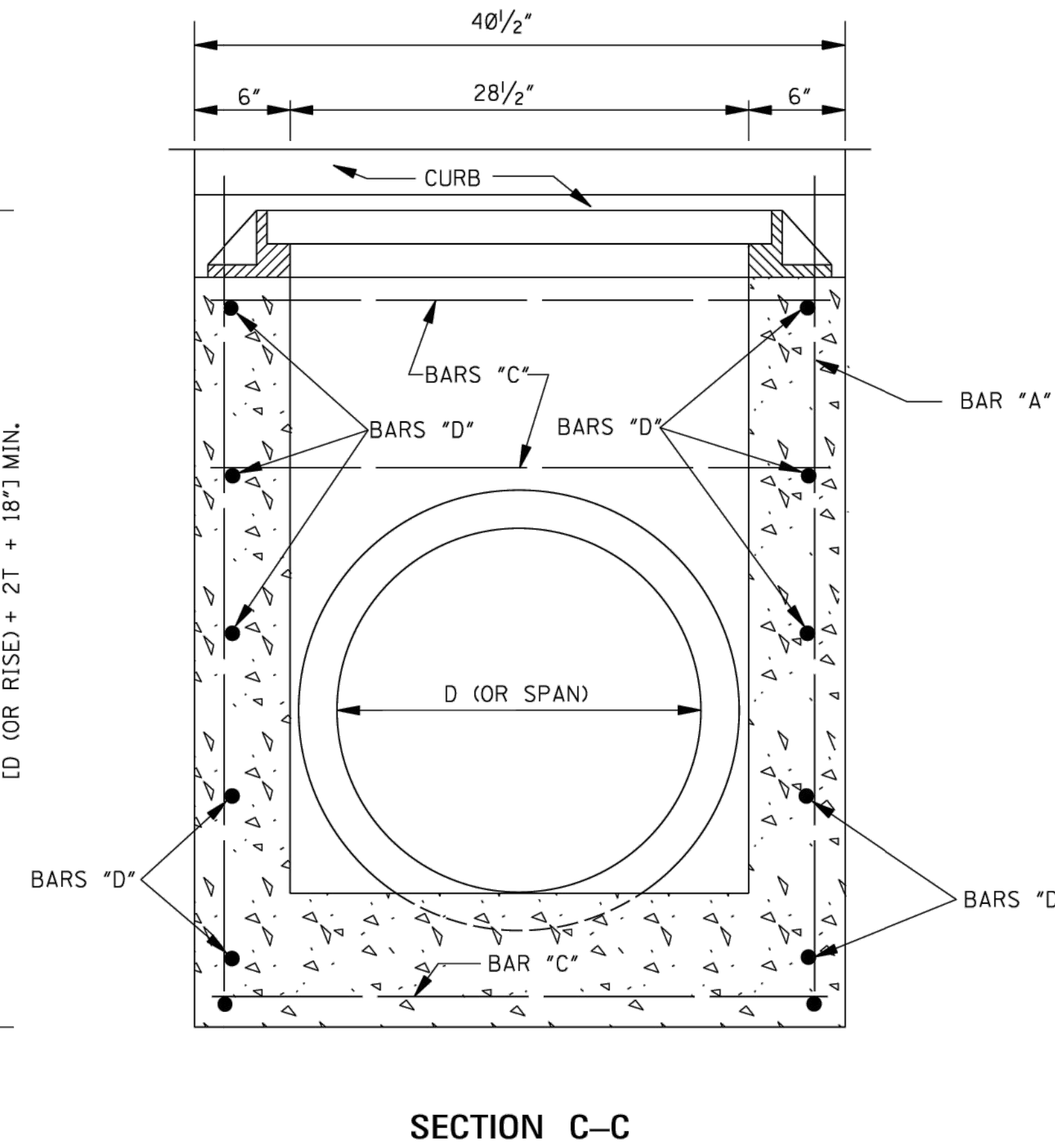
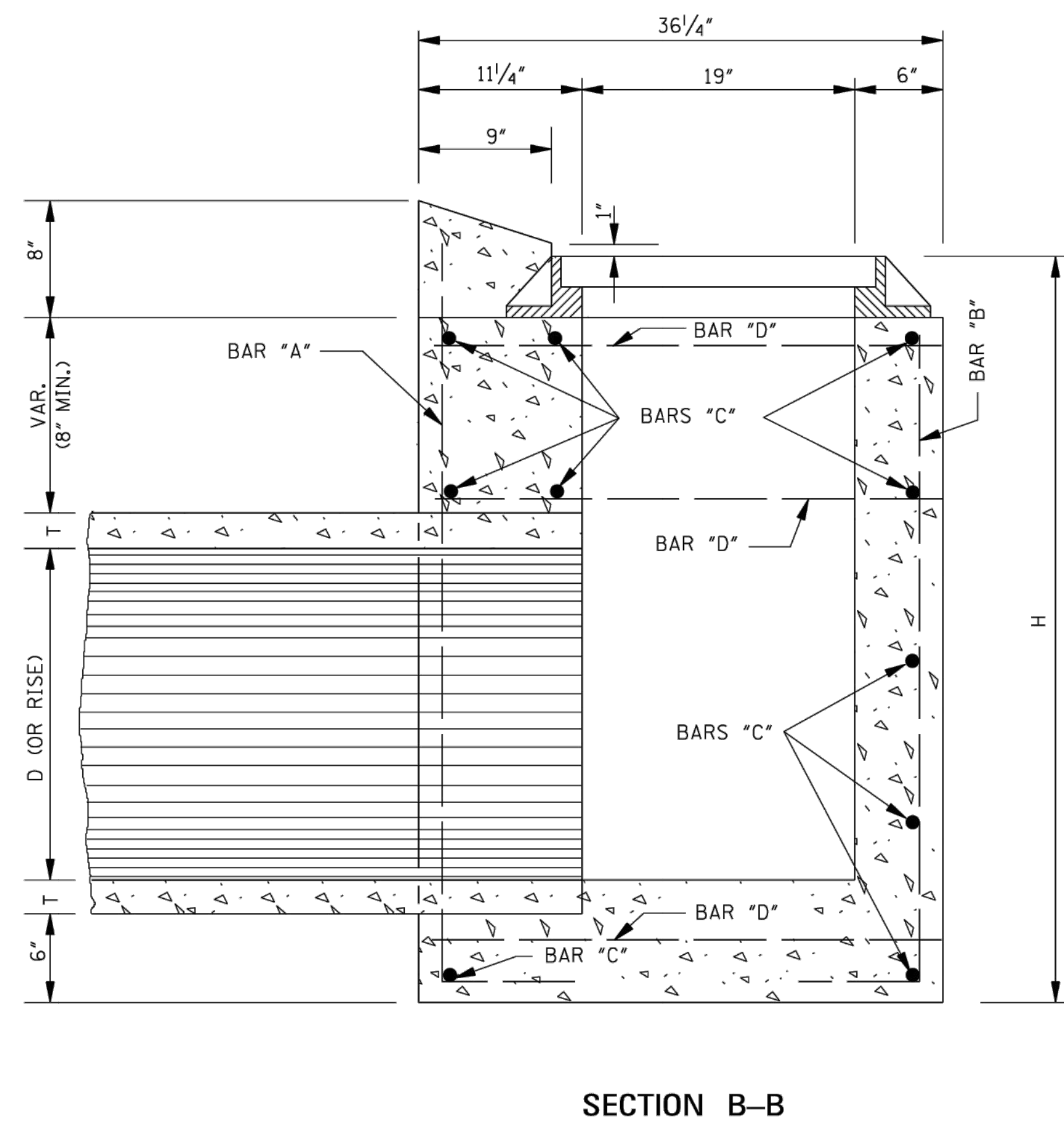
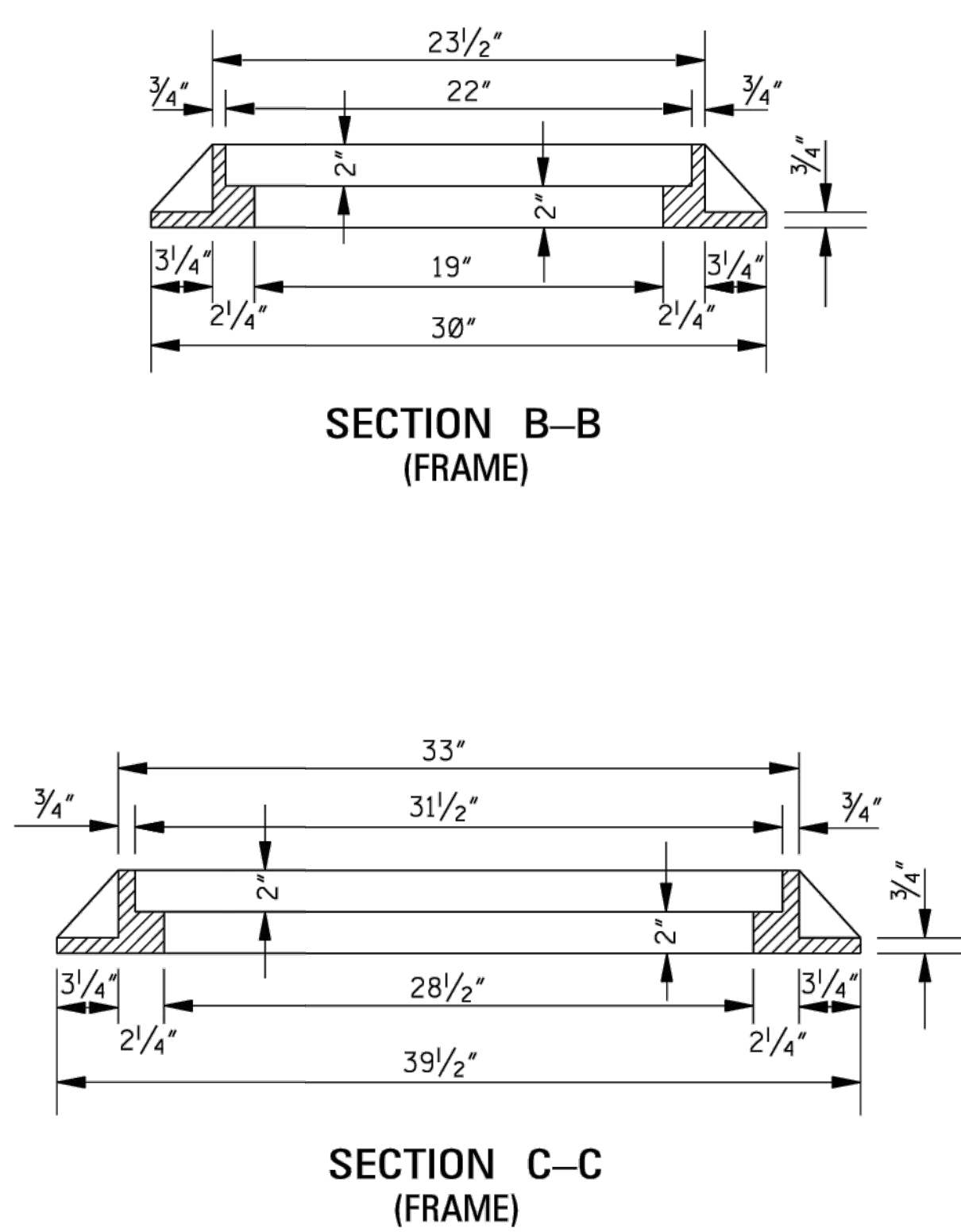
- NOTES:
- ONE (1) PIPE OPENING HAS BEEN DEDUCTED FROM THE STRUCTURE.
  - FOR EACH ADDITIONAL FOOT OF INLET HEIGHT, ADD 0.238 yd<sup>3</sup> CLASS "B" CONCRETE AND 13 lbs REINFORCING STEEL.
  - 3 BARS "C" AND 2 BARS "D" REQUIRED PER EACH ADDITIONAL FOOT OF INLET HEIGHT. LENGTH OF BARS "A" & BARS "B" 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).



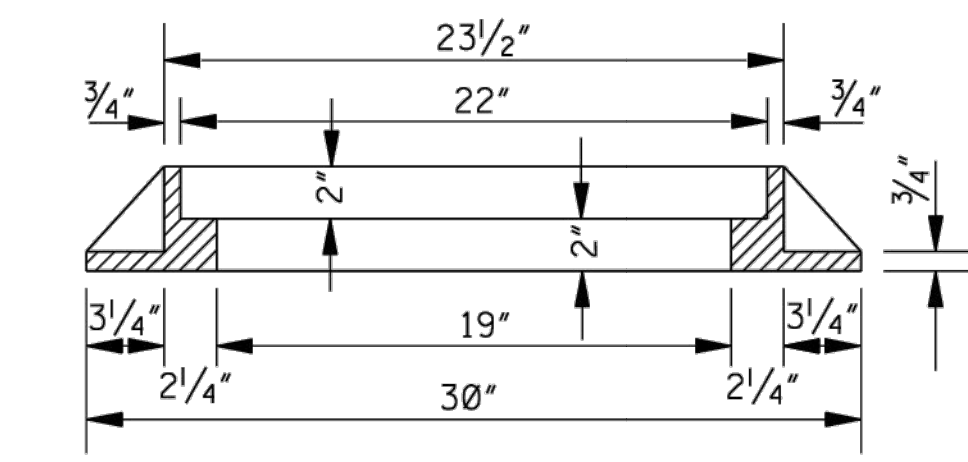
MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
<b>GUTTER INLET FOR TYPE 2 CURB (OUTLET 90° TO ROADWAY)</b>	
WORKING NUMBER GI-1	SHEET NUMBER 6518
ISSUE DATE: AUGUST 01, 2017	



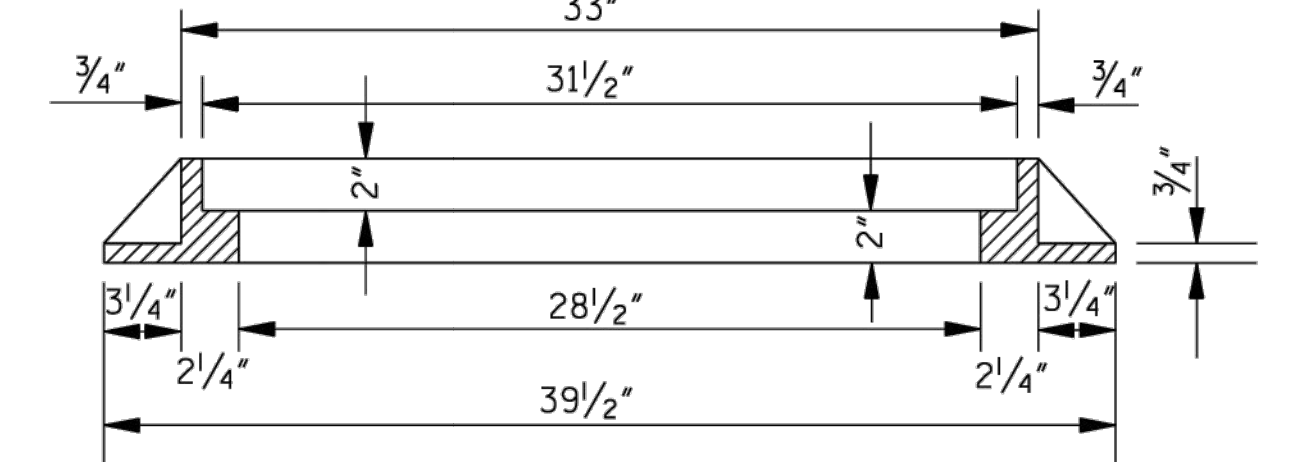
STATE	PROJECT NO.
MISS.	

PIPE SIZE	MIN. DEPTH TO F.L.	MIN. DEPTH INLET		PIPE OPENING DEDUCTION (yd <sup>3</sup> )	T	BARS/SIZES									
		CONC. (yd <sup>3</sup> )	STEEL (lbs)			"A"		"B"		"C"		"D"		"E"	
						NO. LGTH.	NO. LGTH.	NO. LGTH.	NO. LGTH.	NO. LGTH.	NO. LGTH.	NO. LGTH.	NO. 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 yd<sup>3</sup> 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.

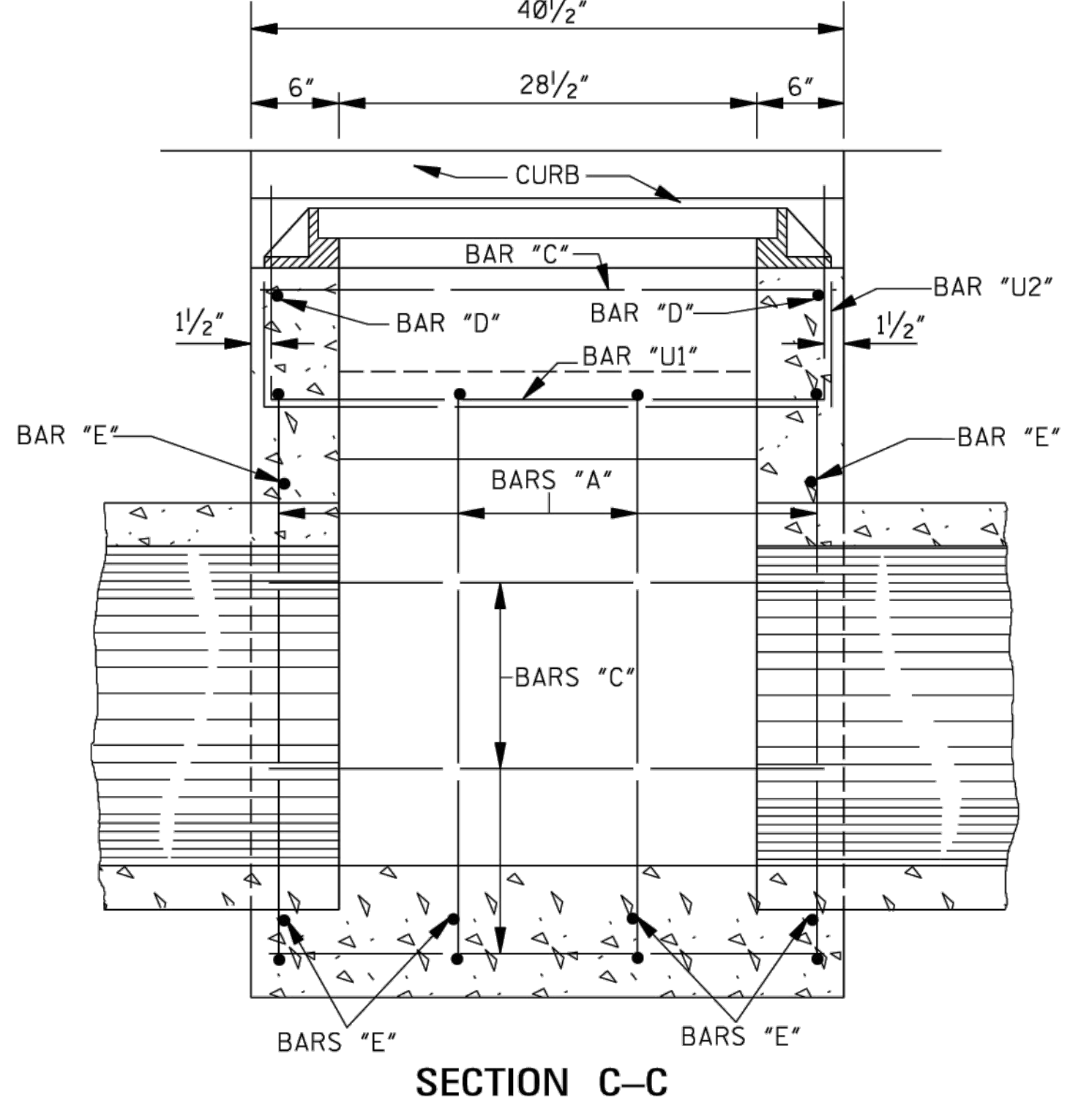


SECTION B-B (FRAME)

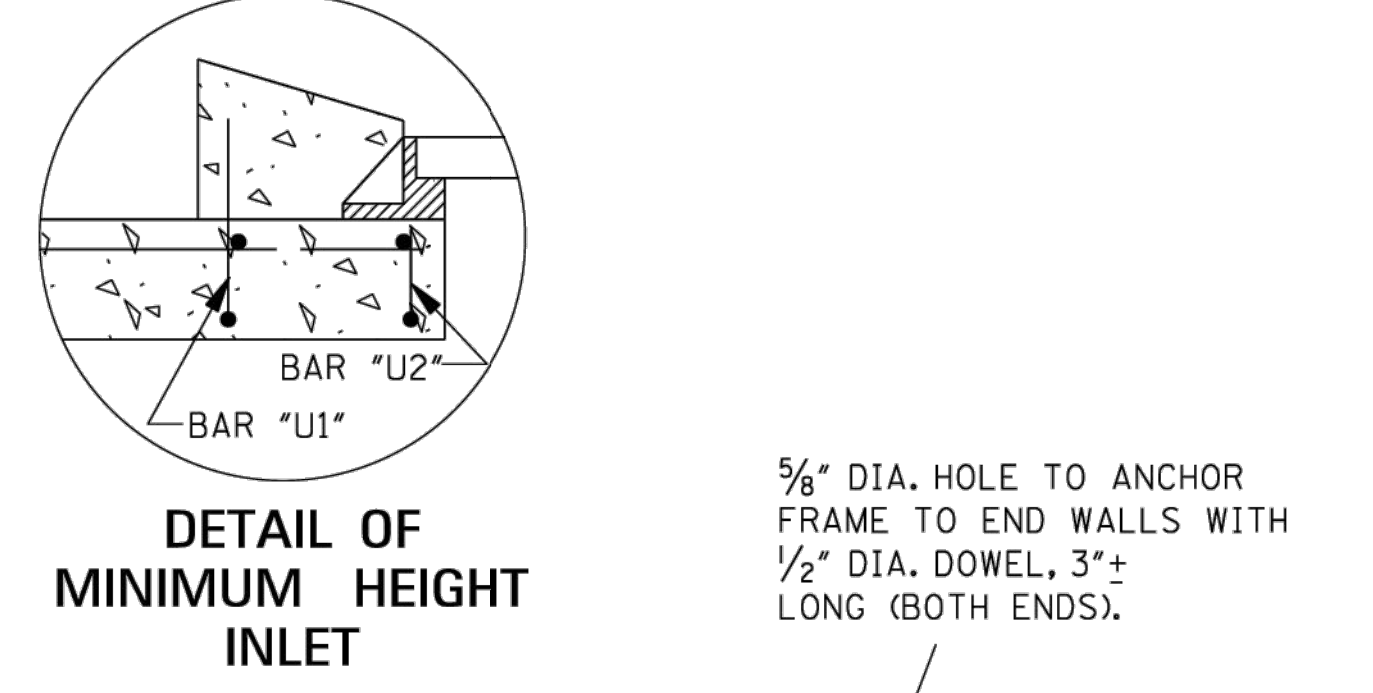


SECTION C-C (FRAME)

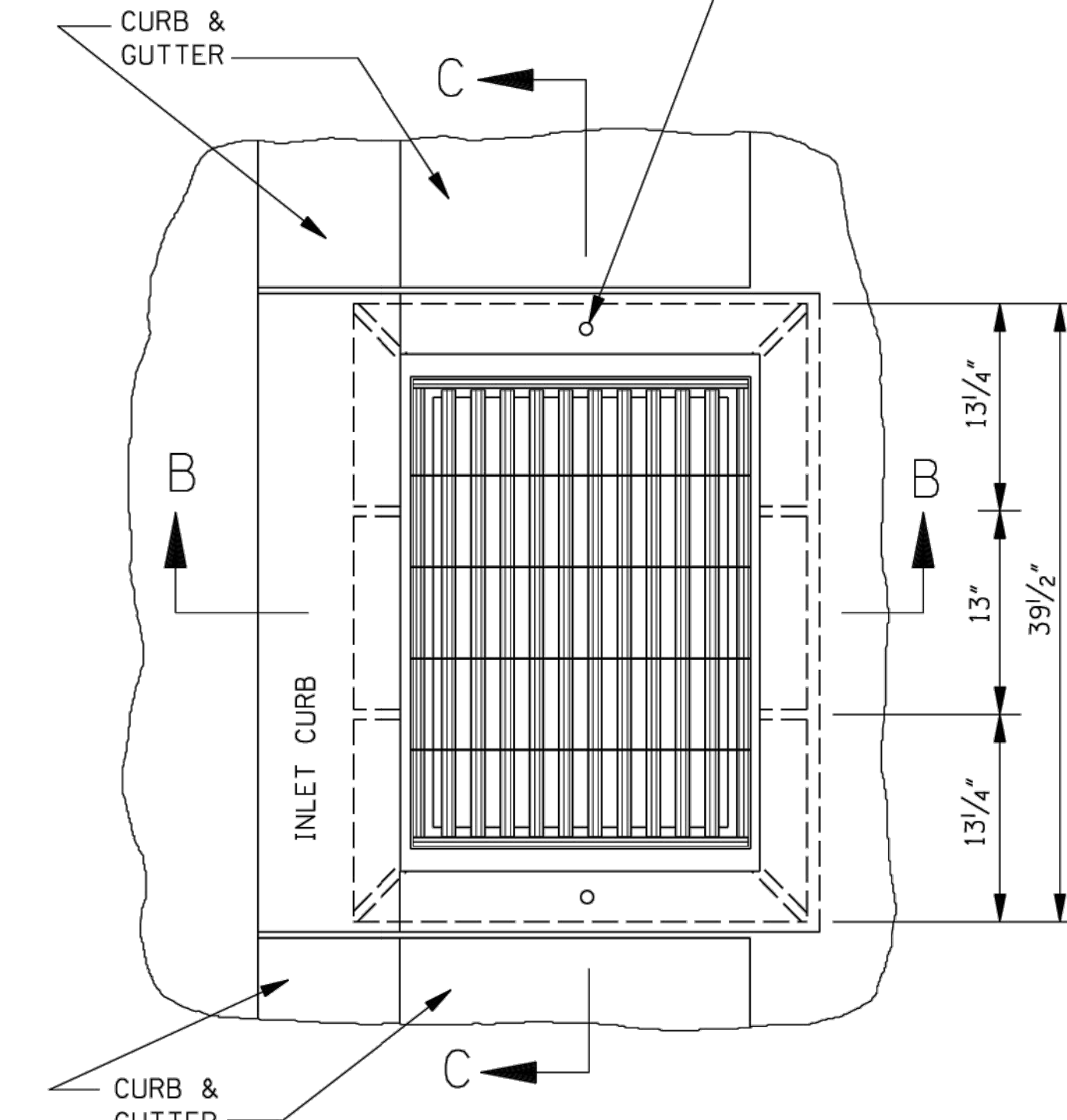
- GENERAL NOTES:
- QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
  - CONCRETE SHALL BE CLASS "B" CONCRETE AND REINFORCING STEEL SHALL BE DEFORMED BARS.
  - THE CONTRACTOR HAS THE OPTION TO PROVIDE GRATE NO. 1 OR GRATE NO. 2 AS SHOWN ON SHEET IG-2.
  - FRAME TO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



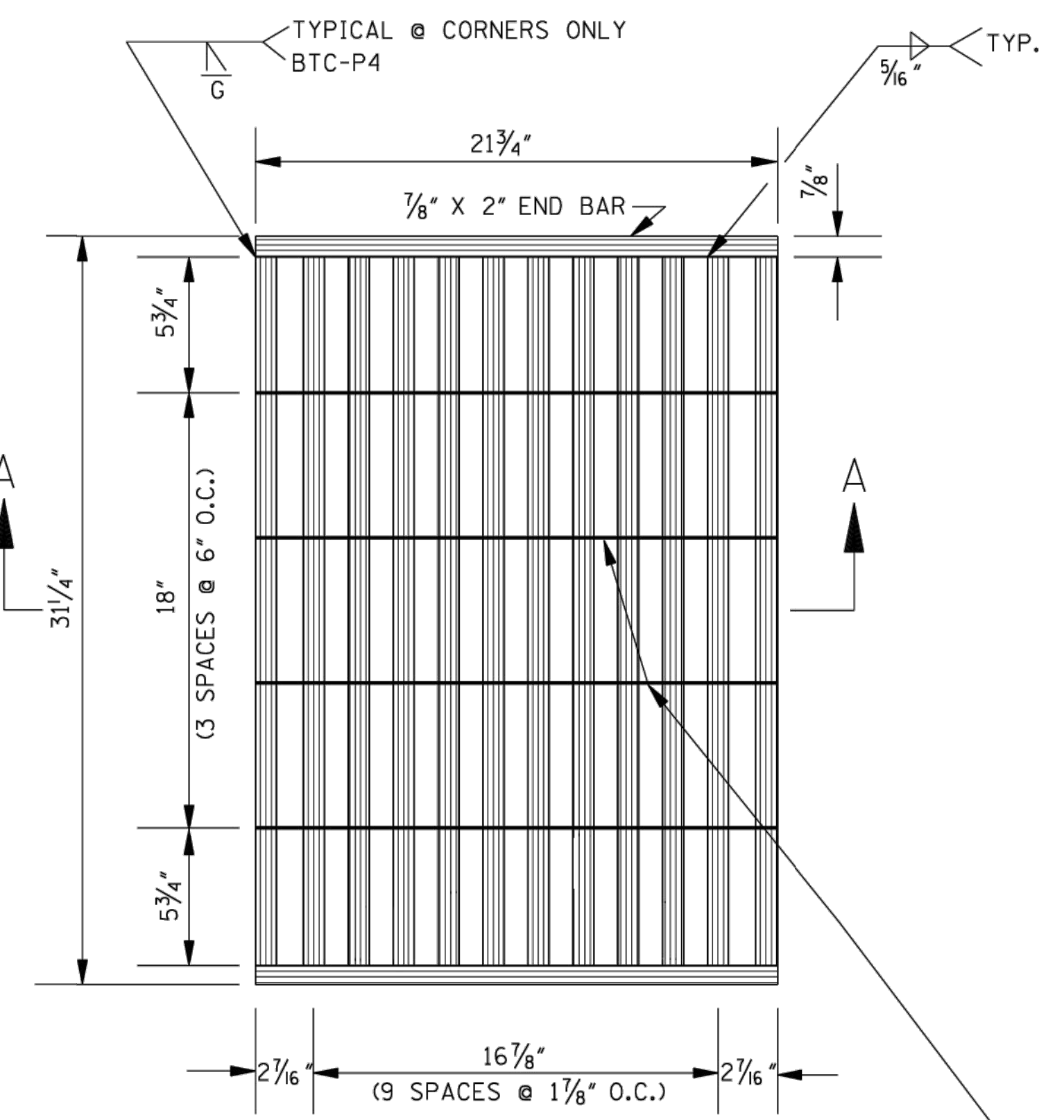
SECTION C-C



DETAIL OF MINIMUM HEIGHT INLET

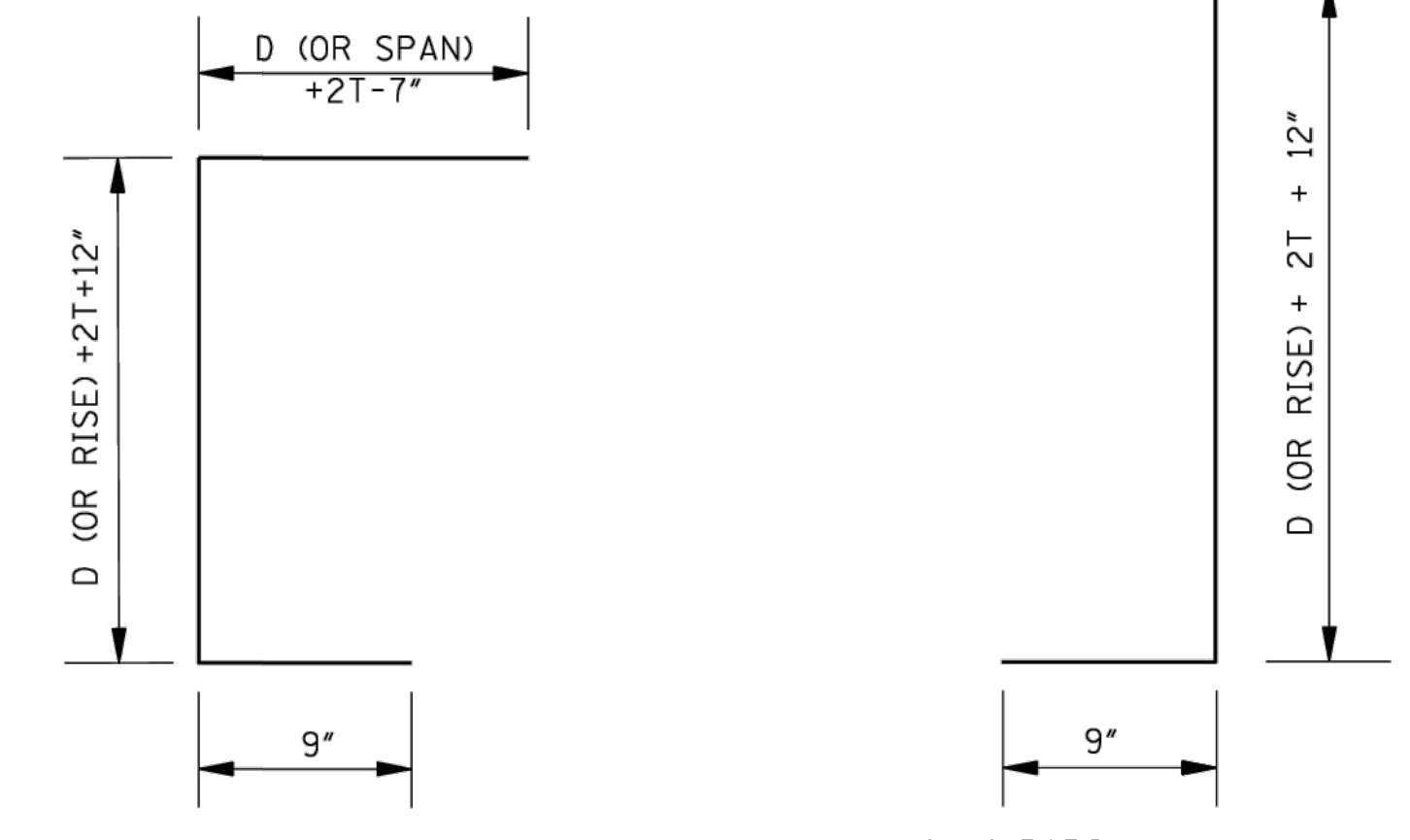


PLAN OF INLET



PLAN OF GRATE NO.1

NOTE: FOR OTHER GRATE DETAILS SEE SHEET IG-2.

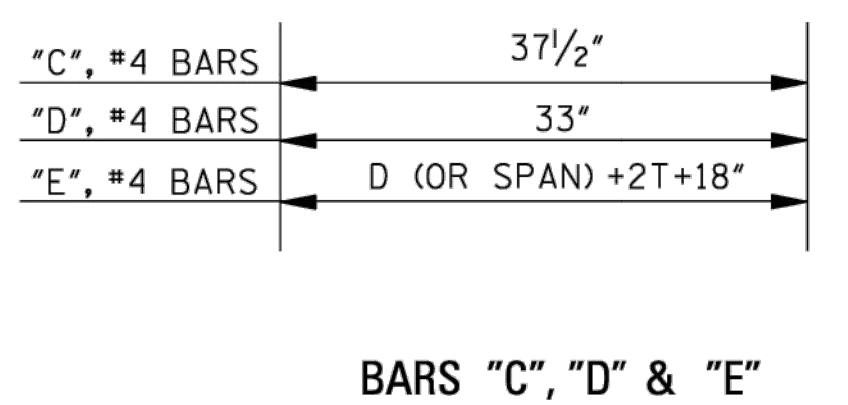


BARS "A"

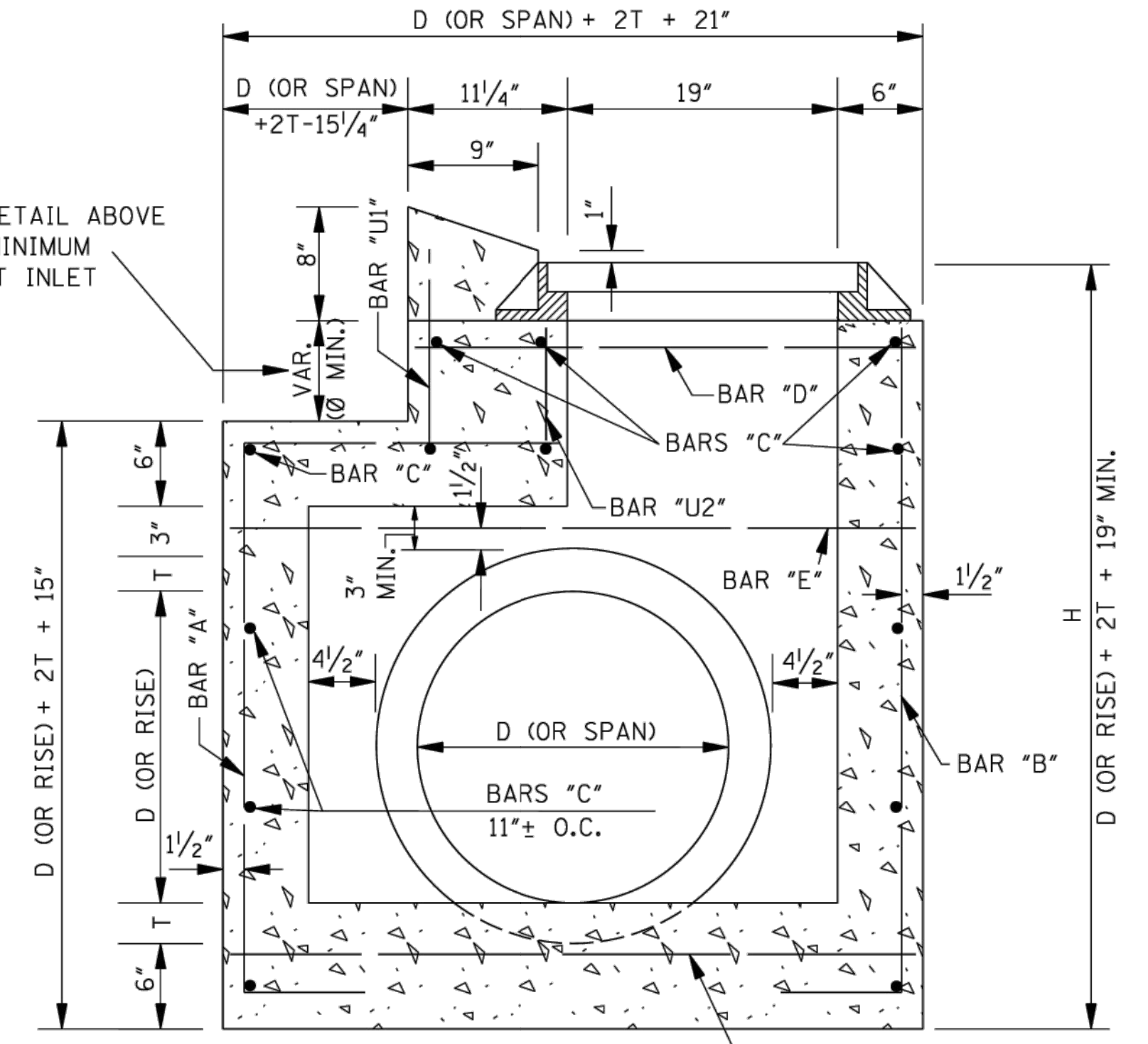
BARS "B"

BARS "U1" & "U2"

BAR DETAILS



BARS "C", "D" & "E"



SECTION B-B

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

Meridian High School Baseball/Softball  
2820 32nd St., Meridian, MS 39305

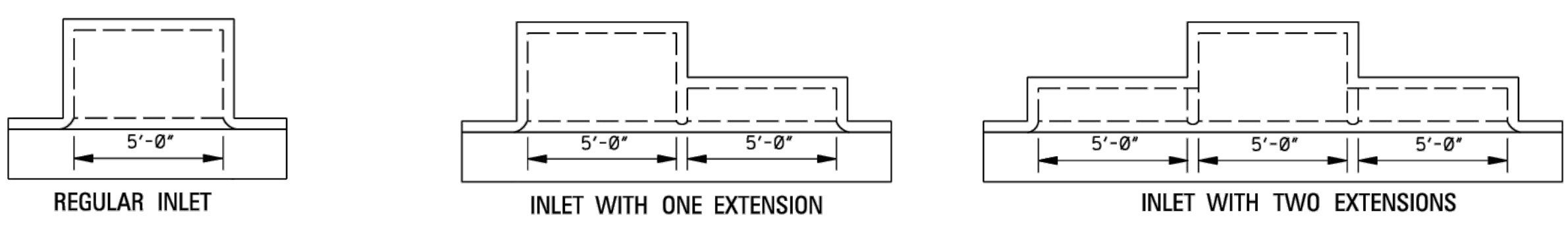
100%  
Construction  
Documents

Project No 22034-03  
Date March 6, 2023  
Revisions Rev Date



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.



5'-0" INLET  
STEEL = 8.68W + 9.35Y + 3.79W + 7.57H + 121  
CONC. = (WY + 5.5W + 6Y + 14.611)/27

10'-0" INLET  
STEEL = 8.68W + 9.35Y + 3.79W + 7.57H + 231  
CONC. = (WY + 5.5W + 6Y + 38.641)/27

15'-0" INLET  
STEEL = 8.68W + 9.35Y + 3.79W + 7.57H + 341  
CONC. = (WY + 5.5W + 6Y + 62.671)/27

PLAN OF INLET AND EXTENSIONS

ADD. CONCRETE PER FOOT OF H	ADD. CONCRETE PER FOOT OF W
W yd <sup>3</sup> /ft	H yd <sup>3</sup> /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	5'-8"	AS SHOWN	3	11
"G"	#4	SEE SCHEDULE	0'-11"	6	34
"H"	#6	6'-9"	AS SHOWN	5	51
"L"	#6	4'-9"	AS SHOWN	2	14

TOTAL STEEL FOR ONE EXTENSION = 110 lbs  
TOTAL CONCRETE FOR ONE EXTENSION = 0.89 yd<sup>3</sup>

NOTE: WHERE EXTENSION IS USED WITH CONCRETE PAVEMENT, ADD 27 lbs OF STEEL FOR BARS "M".

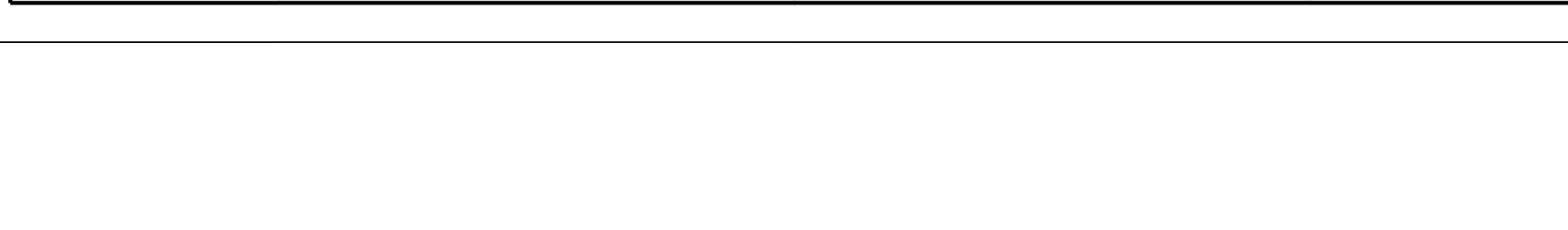
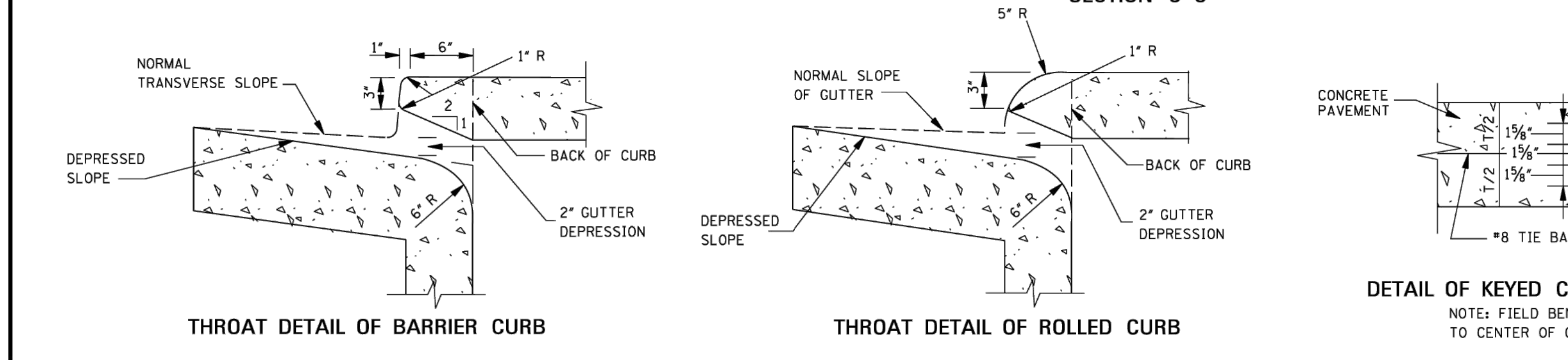
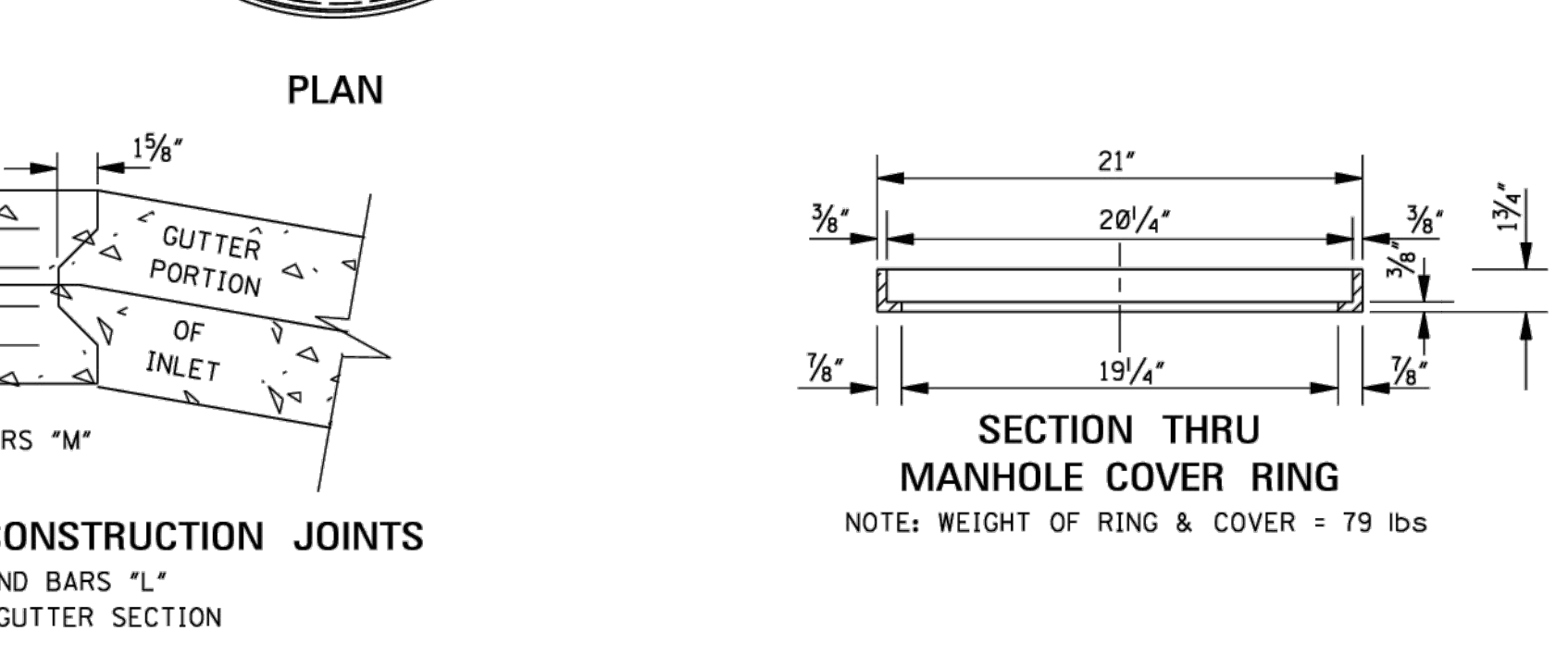
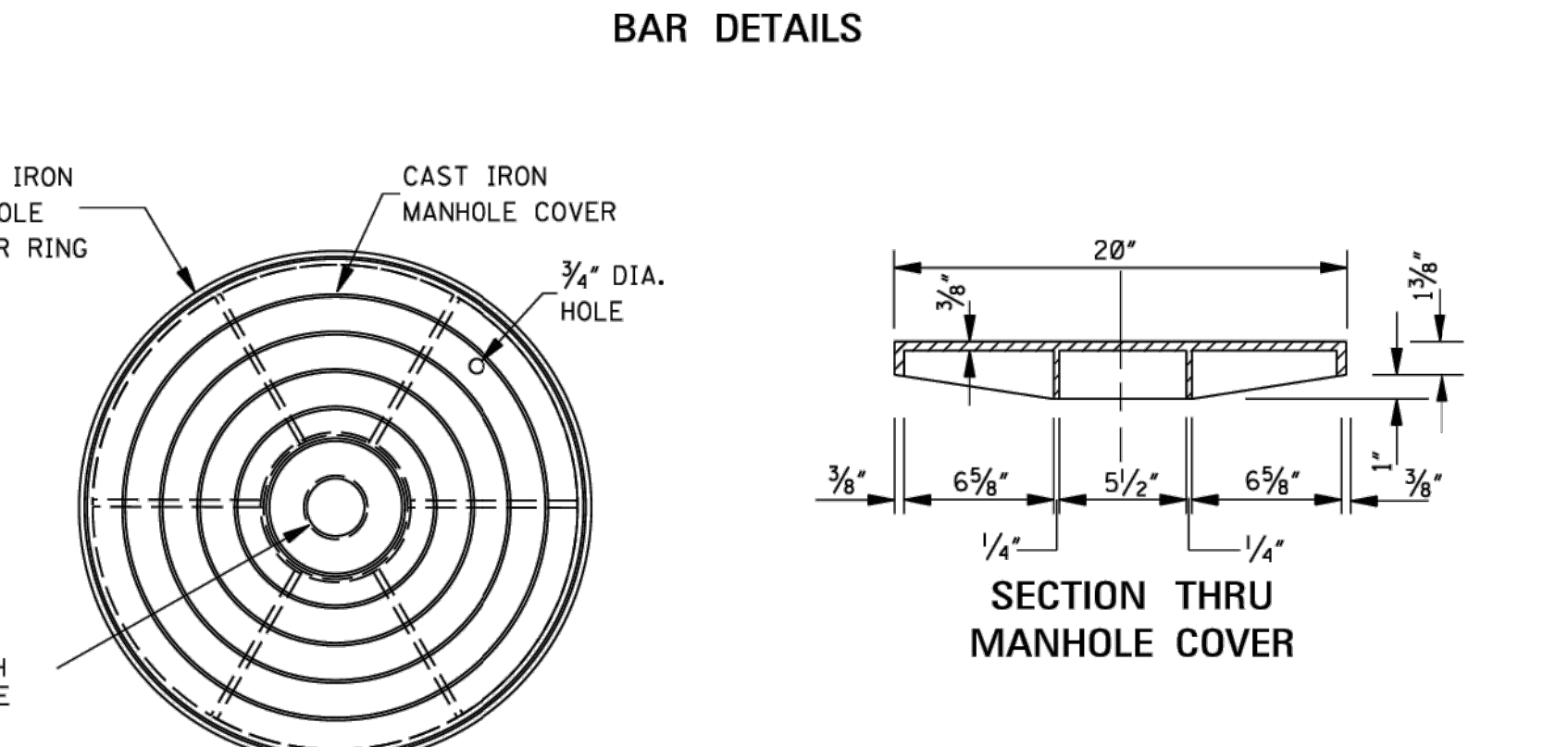
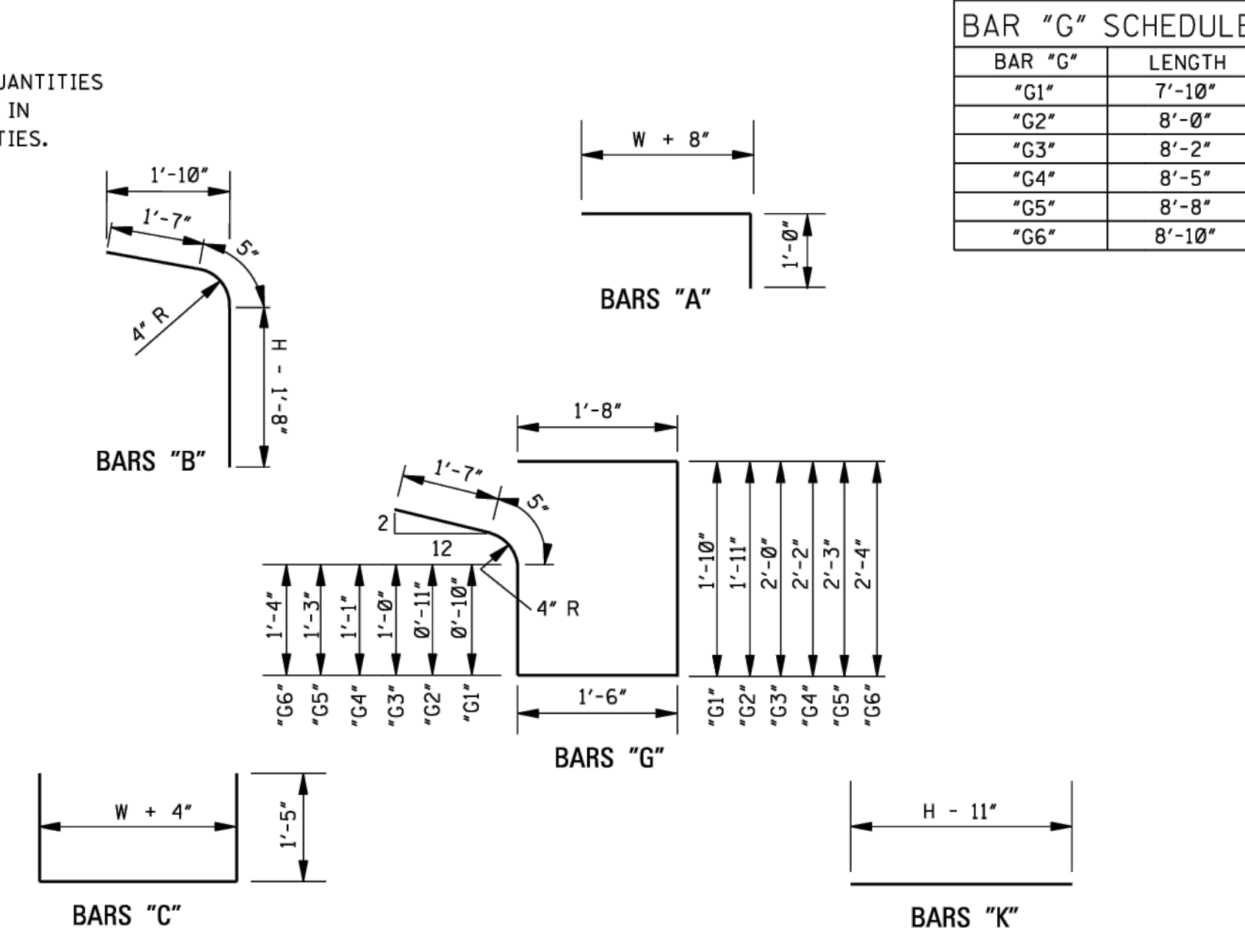
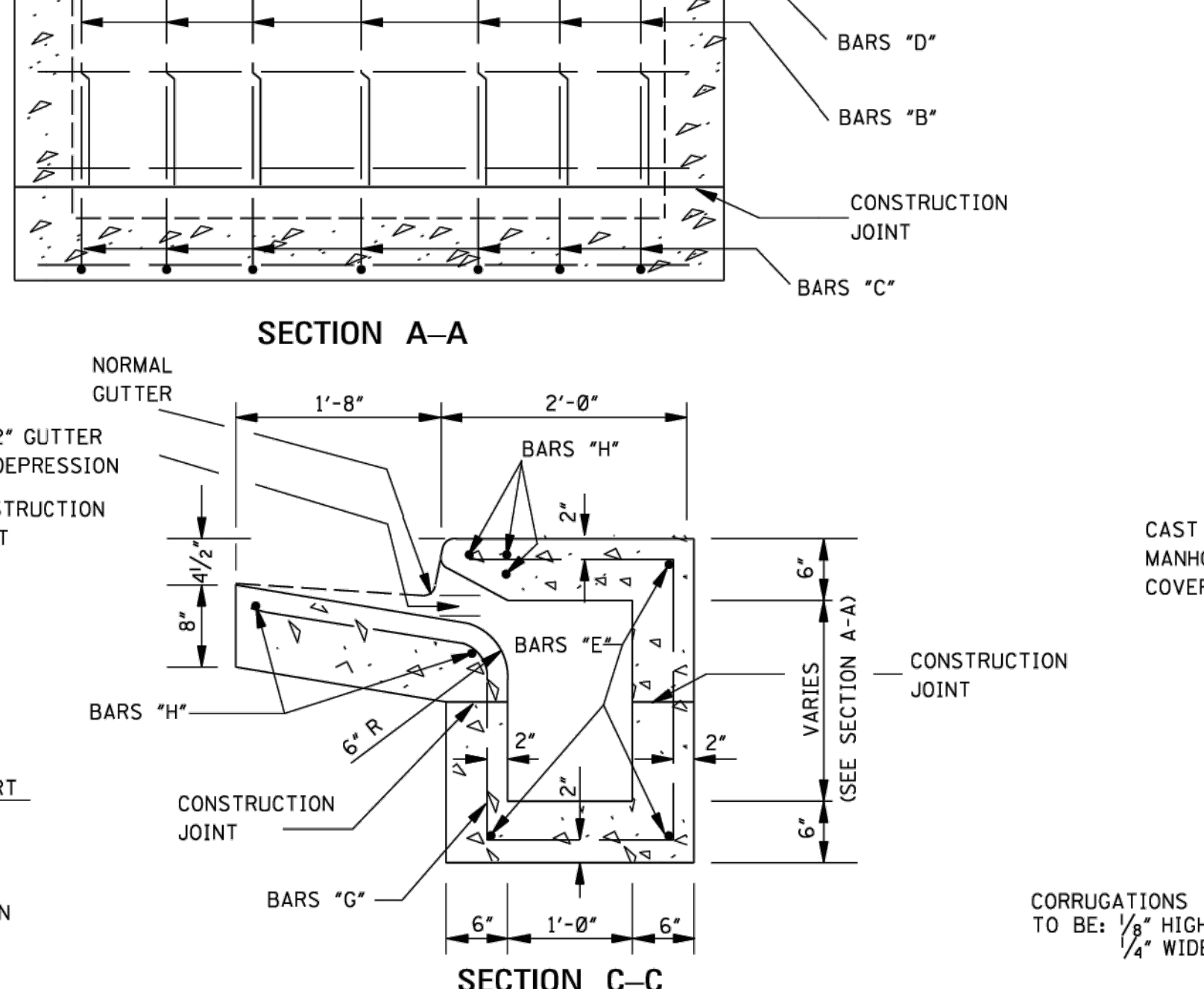
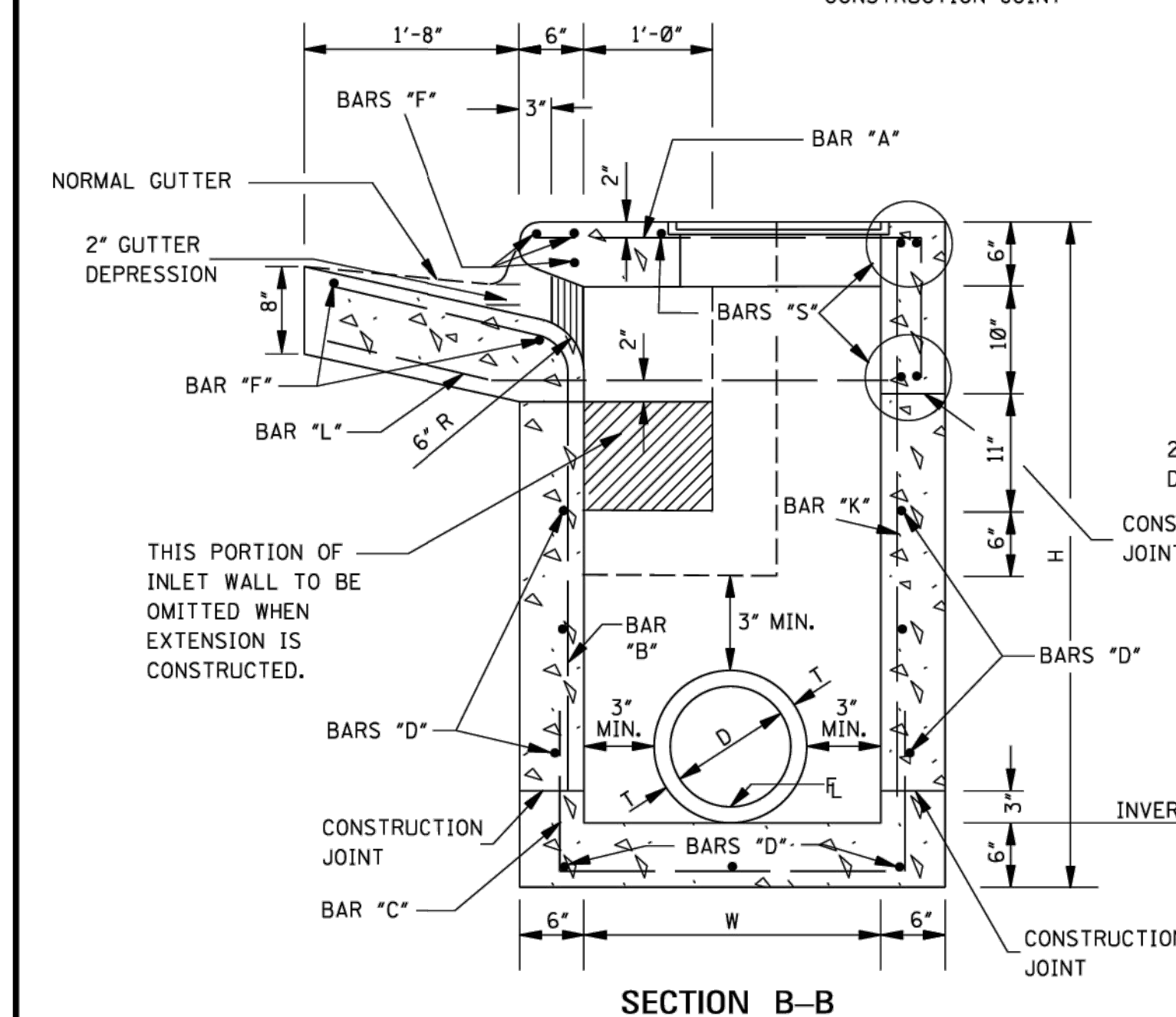
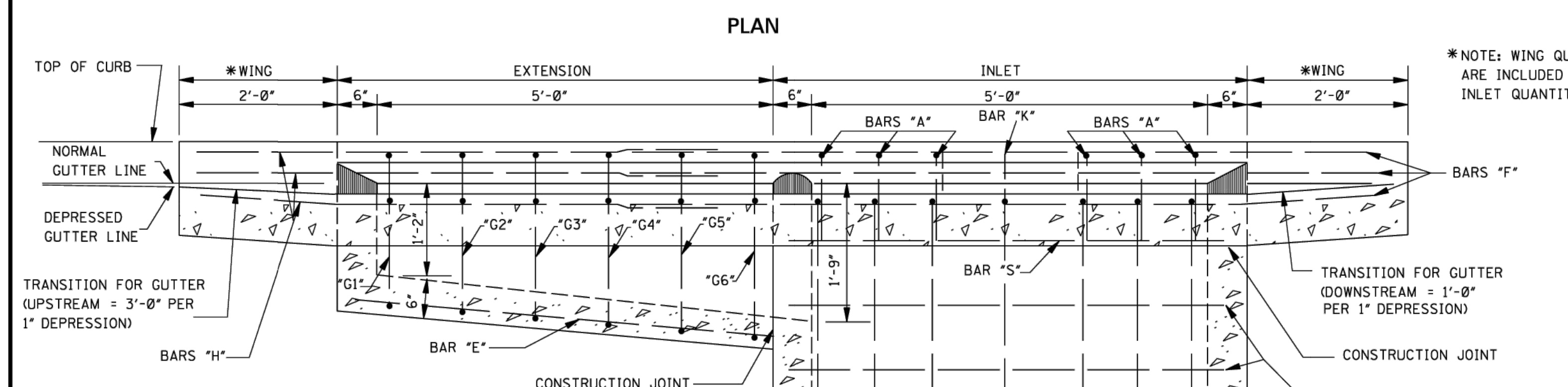
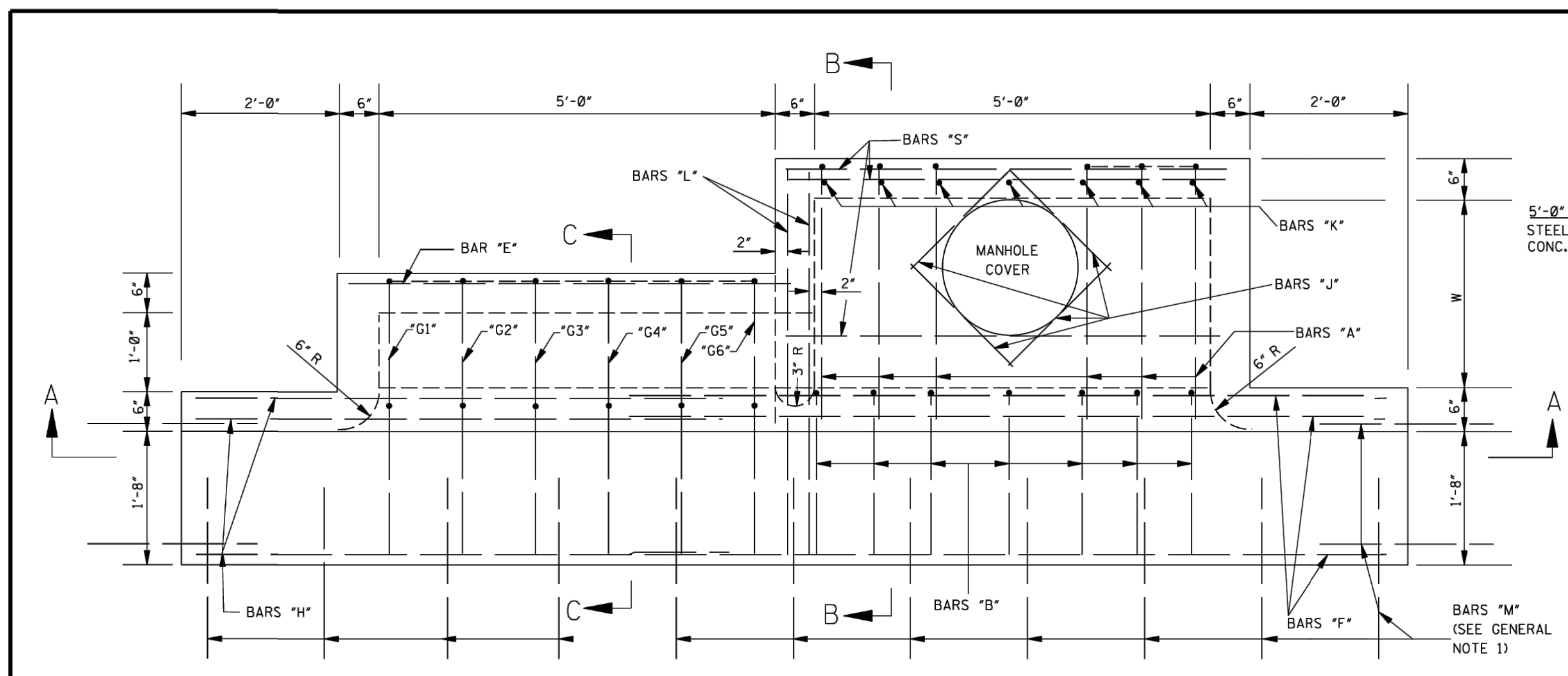
BAR "G" SCHEDULE	LENGTH
"G1"	7'-10"
"G2"	8'-0"
"G3"	8'-2"
"G4"	8'-5"
"G5"	8'-8"
"G6"	8'-10"

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"		* TOTAL STEEL	TOTAL CONC.				
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs						
3'-6"	6	17	7	27	5	19	5	19	5	73	4	6	3'-10"	7	18	190	1.99			
4'-0"	6	17	7	27	5	19	7	26	5	73	4	6	4'-4"	7	20	3'-1"	7	14	202	2.15
4'-6"	6	17	7	27	5	19	7	26	5	73	4	6	4'-10"	7	23	3'-7"	7	17	207	2.31
5'-0"	6	17	7	27	5	19	9	34	5	73	4	6	5'-4"	7	25	4'-1"	7	19	219	2.47
5'-6"	6	17	7	27	5	19	9	34	5	73	4	6	5'-10"	7	27	4'-7"	7	21	224	2.62
6'-0"	6	17	7	27	5	19	11	42	5	73	4	6	6'-4"	7	30	5'-1"	7	24	238	2.78
6'-6"	6	17	7	27	5	19	11	42	5	73	4	6	6'-10"	7	32	5'-7"	7	26	240	2.94
7'-0"	6	17	7	27	5	19	13	49	5	73	4	6	7'-4"	7	34	6'-1"	7	28	253	3.10
7'-6"	6	17	7	27	5	19	13	49	5	73	4	6	7'-10"	7	37	6'-7"	7	31	257	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"		* TOTAL STEEL	TOTAL CONC.				
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs						
3'-6"	6	19	7	29	5	19	5	19	5	73	4	6	3'-10"	7	18	2'-7"	7	12	194	2.15
4'-0"	6	19	7	29	5	19	7	26	5	73	4	6	4'-4"	7	20	3'-1"	7	14	206	2.32
4'-6"	6	19	7	29	5	19	7	26	5	73	4	6	4'-10"	7	23	3'-7"	7	17	211	2.49
5'-0"	6	19	7	29	5	19	9	34	5	73	4	6	5'-4"	7	25	4'-1"	7	19	223	2.65
5'-6"	6	19	7	29	5	19	9	34	5	73	4	6	5'-10"	7	27	4'-7"	7	21	228	2.82
6'-0"	6	19	7	29	5	19	11	42	5	73	4	6	6'-4"	7	30	5'-1"	7	24	240	2.99
6'-6"	6	19	7	29	5	19	11	42	5	73	4	6	6'-10"	7	32	5'-7"	7	26	245	3.15
7'-0"	6	19	7	29	5	19	13	49	5	73	4	6	7'-4"	7	34	6'-1"	7	28	257	3.32
7'-6"	6	19	7	29	5	19	13	49	5	73	4	6	7'-10"	7	37	6'-7"	7	31	262	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"		* TOTAL STEEL	TOTAL CONC.				
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs						
3'-6"	6	21	7	31	5	19	6	23	5	73	4	6	3'-10"	7	18	2'-7"	7	12	202	2.31
4'-0"	6	21	7	31	5	19	8	30	5	73	4	6	4'-4"	7	20	3'-1"	7	14	214	2.49
4'-6"	6	21	7	31	5	19	8	30	5	73	4	6	4'-10"	7	23	3'-7"	7	17	219	2.66
5'-0"	6	21	7	31	5	19	10	38	5	73	4	6	5'-4"	7	25	4'-1"	7	19	231	2.84
5'-6"	6	21	7	31	5	19	10	38	5	73	4	6	5'-10"	7	27	4'-7"	7	21	236	3.01
6'-0"	6	21	7	31	5	19	12	45	5	73	4	6	6'-4"	7	30	5'-1"	7	24	248	3.19
6'-6"	6	21	7	31	5	19	12	45	5	73	4	6	6'-10"	7	32	5'-7"	7	26	253	3.37
7'-0"	6	21	7	31	5	19	14	53	5	73	4	6	7'-4"	7	34	6'-1"	7	28	265	3.54
7'-6"	6	21	7	31	5	19	14	53	5	73	4	6	7'-10"	7	37	6'-7"	7	31	270	3.72

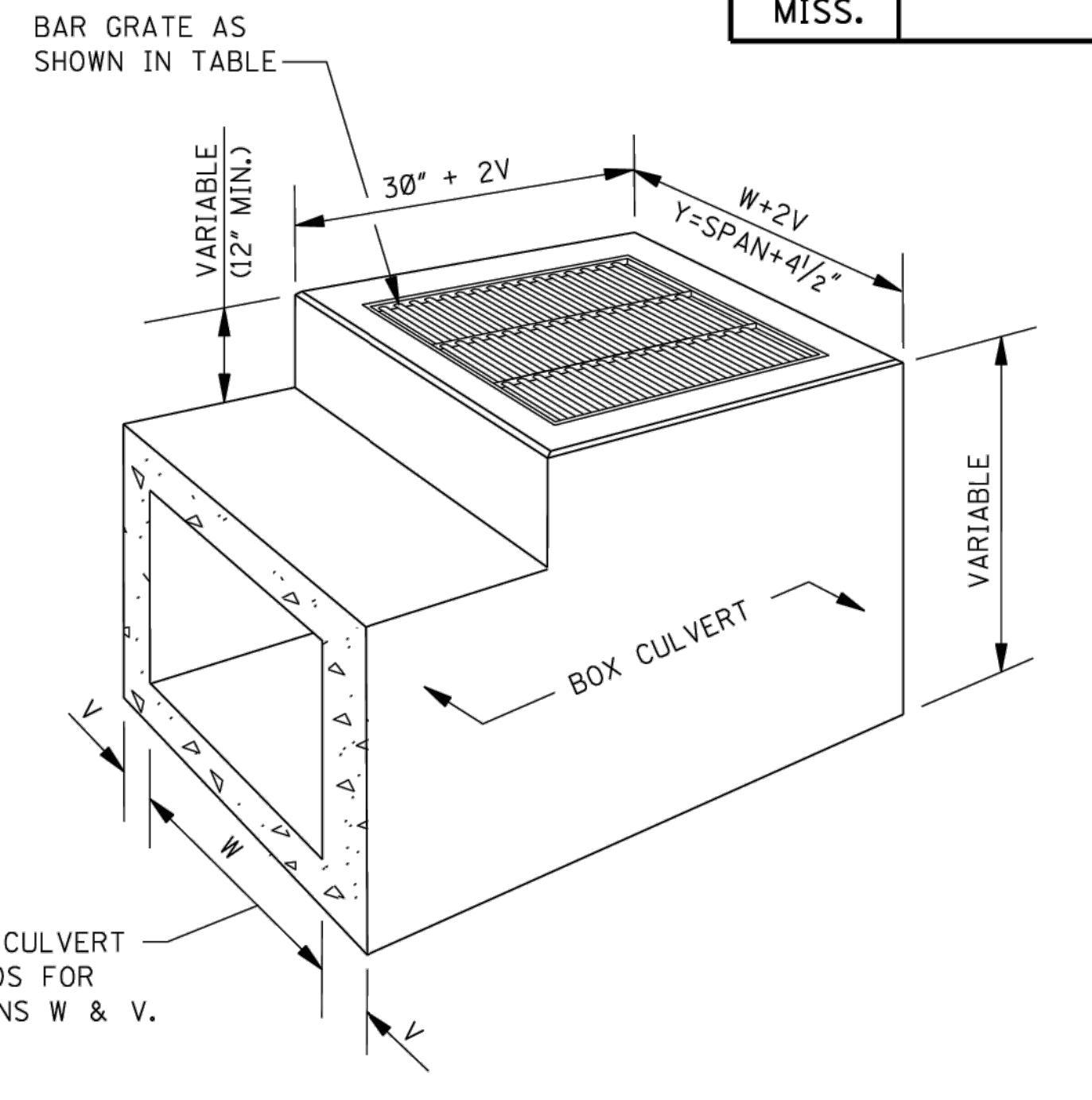
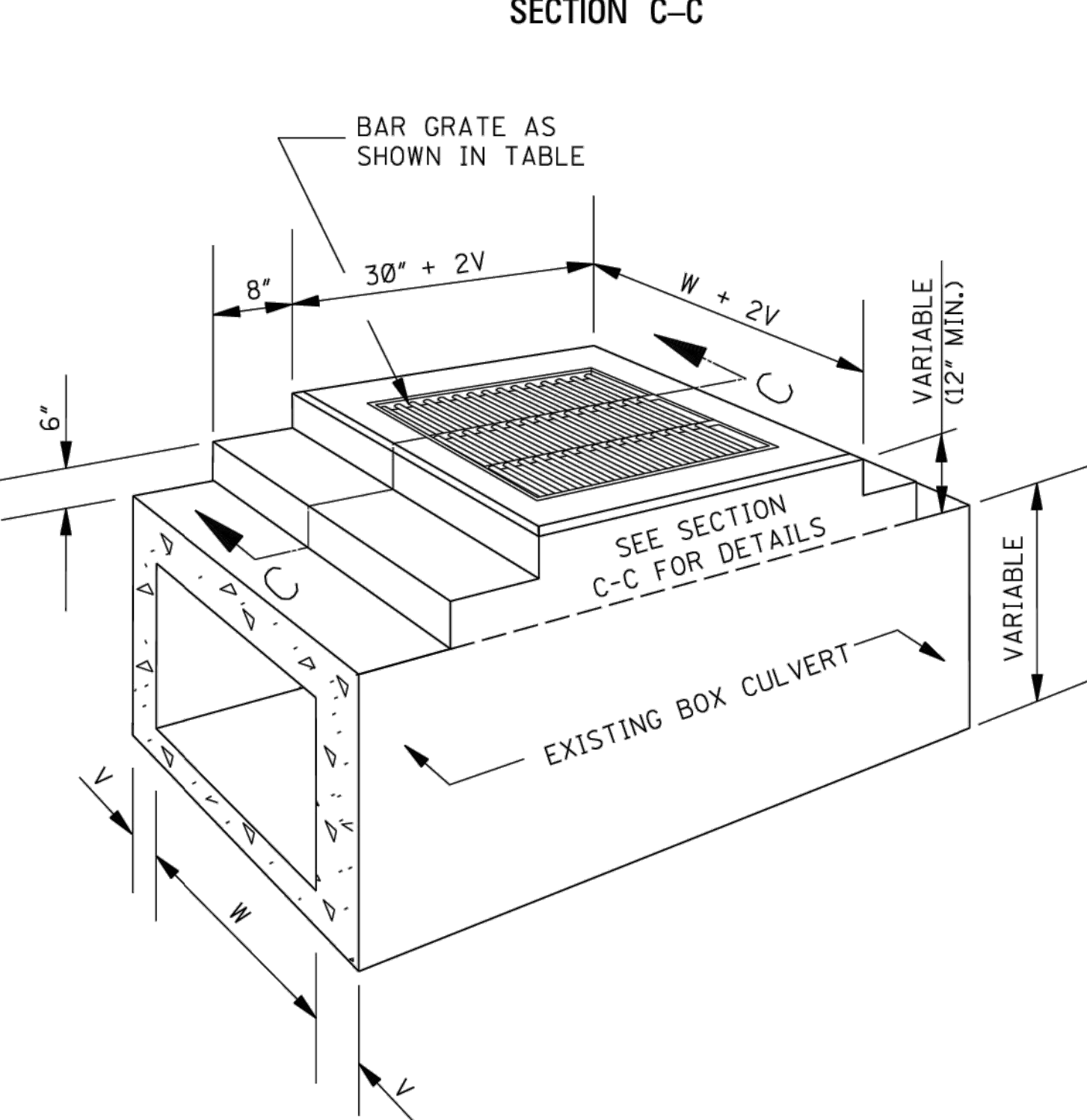
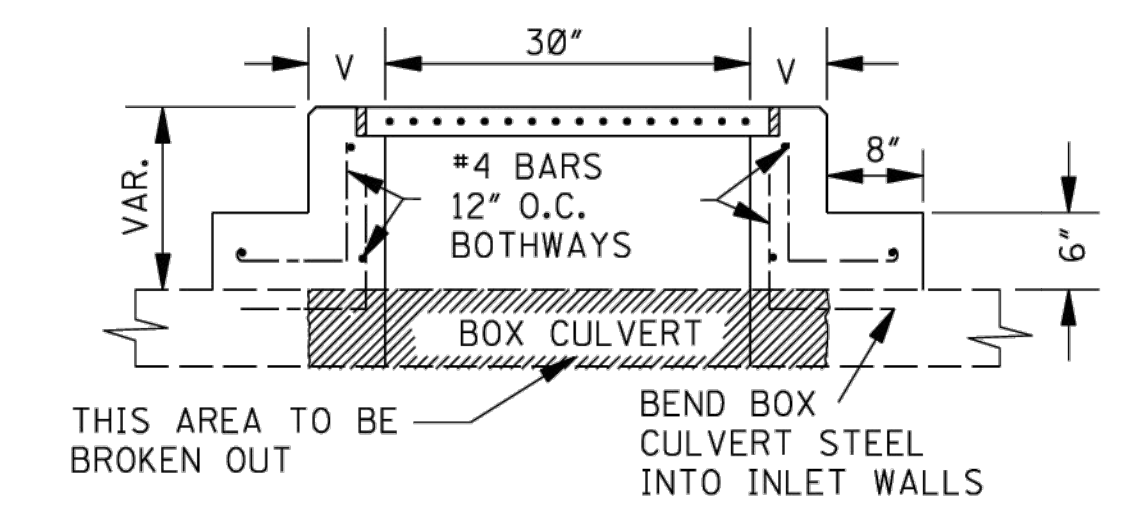
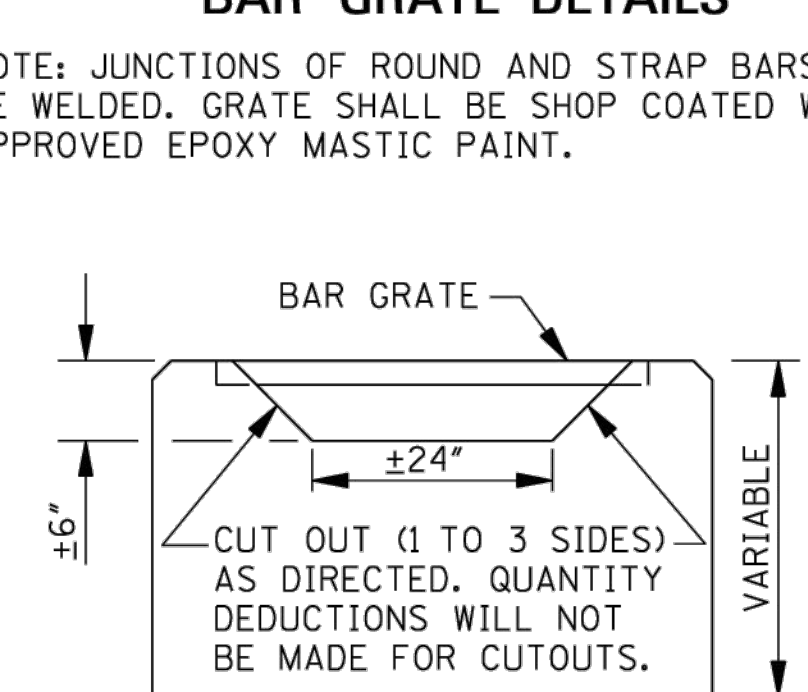
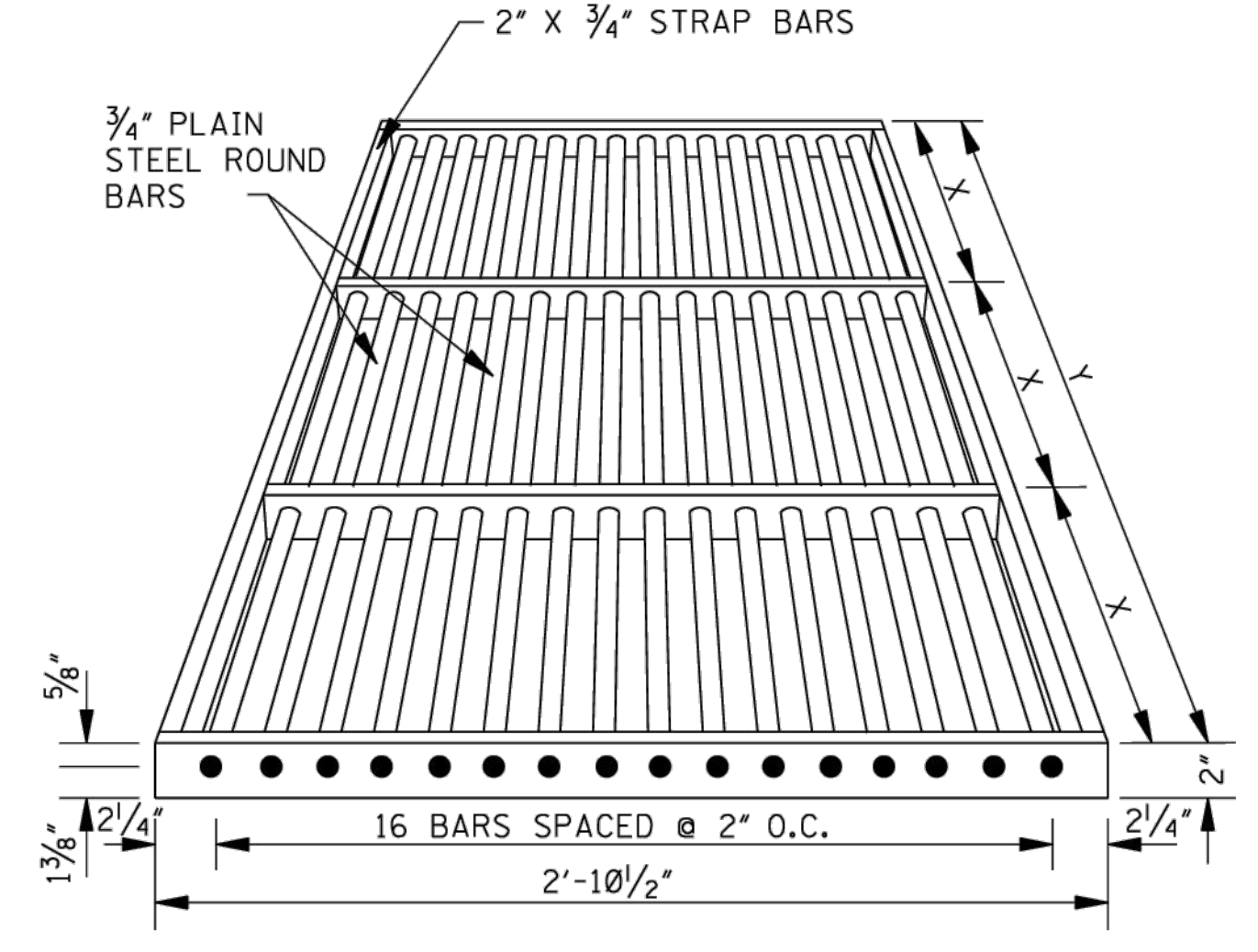
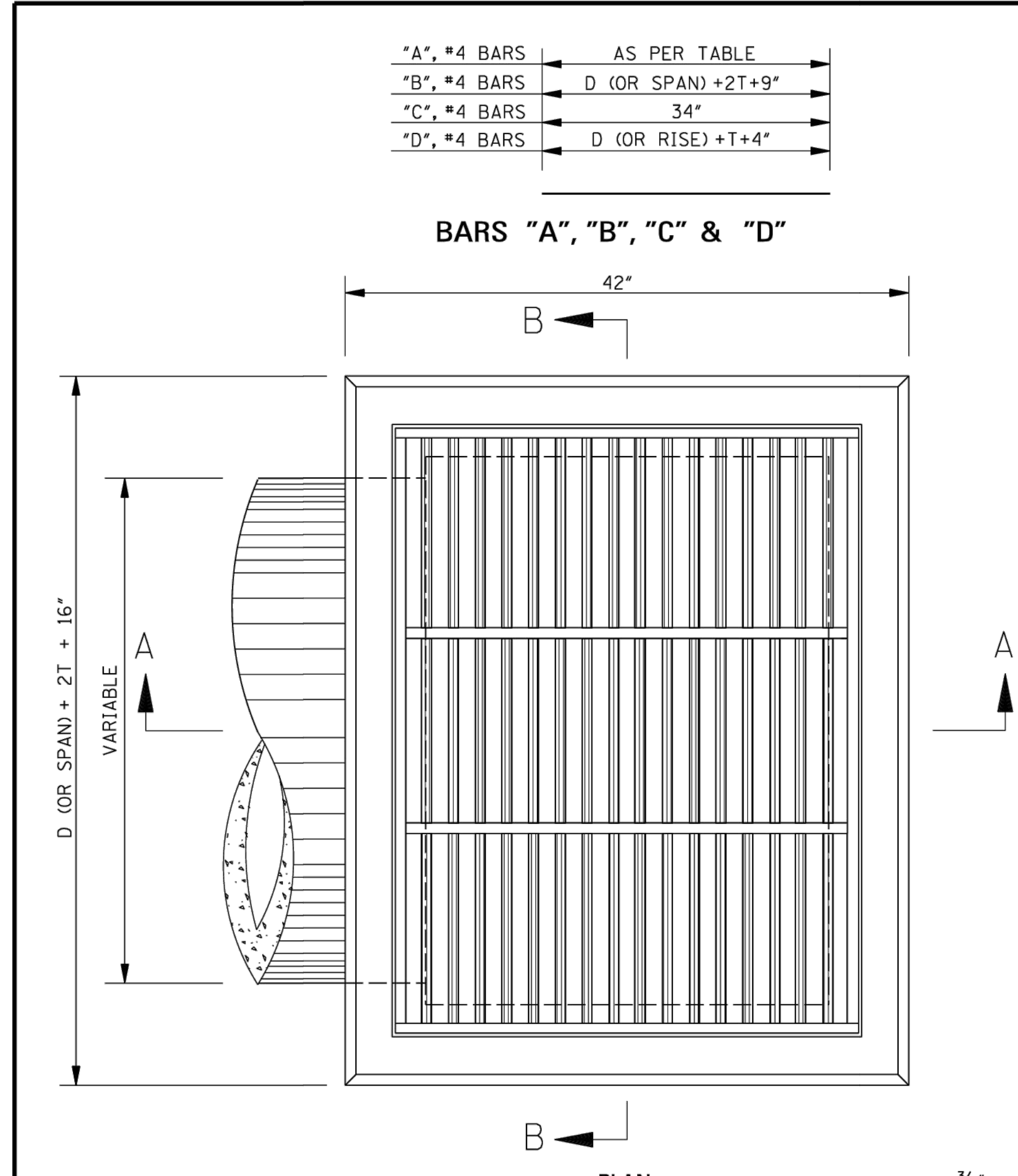
- \* NOTE: WHERE INLET IS USED WITH CONCRETE PAVEMENT, ADD 73 lbs OF STEEL FOR BARS "M".
- GENERAL NOTES:  
1. WHERE INLET OR INLET WITH EXTENSIONS IS USED WITH CONCRETE PAVEMENT WITH INTEGRAL CURB, THE PAVEMENT SHALL BE BLOCKED OUT TO THE DIMENSIONS AS SHOWN FOR THE GUTTER PORTION OF THE INLET OR INLET 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 KEED 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 OTHER 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
REVISION	ROADWAY DESIGN DIVISION
	STANDARD PLAN
	<b>STORM SEWER INLET</b>
	<b>TYPE SS-2</b>
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 1/8"	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 5/8"	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 1/8"	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 <sup>3</sup> )	STEEL (lbs)	EACH ADDED FOOT		PIPE OPENING DEDUCTION (yd <sup>3</sup> )	T	BARS/SIZES									
				CONC (yd <sup>3</sup> )	STEEL (lbs)			"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.

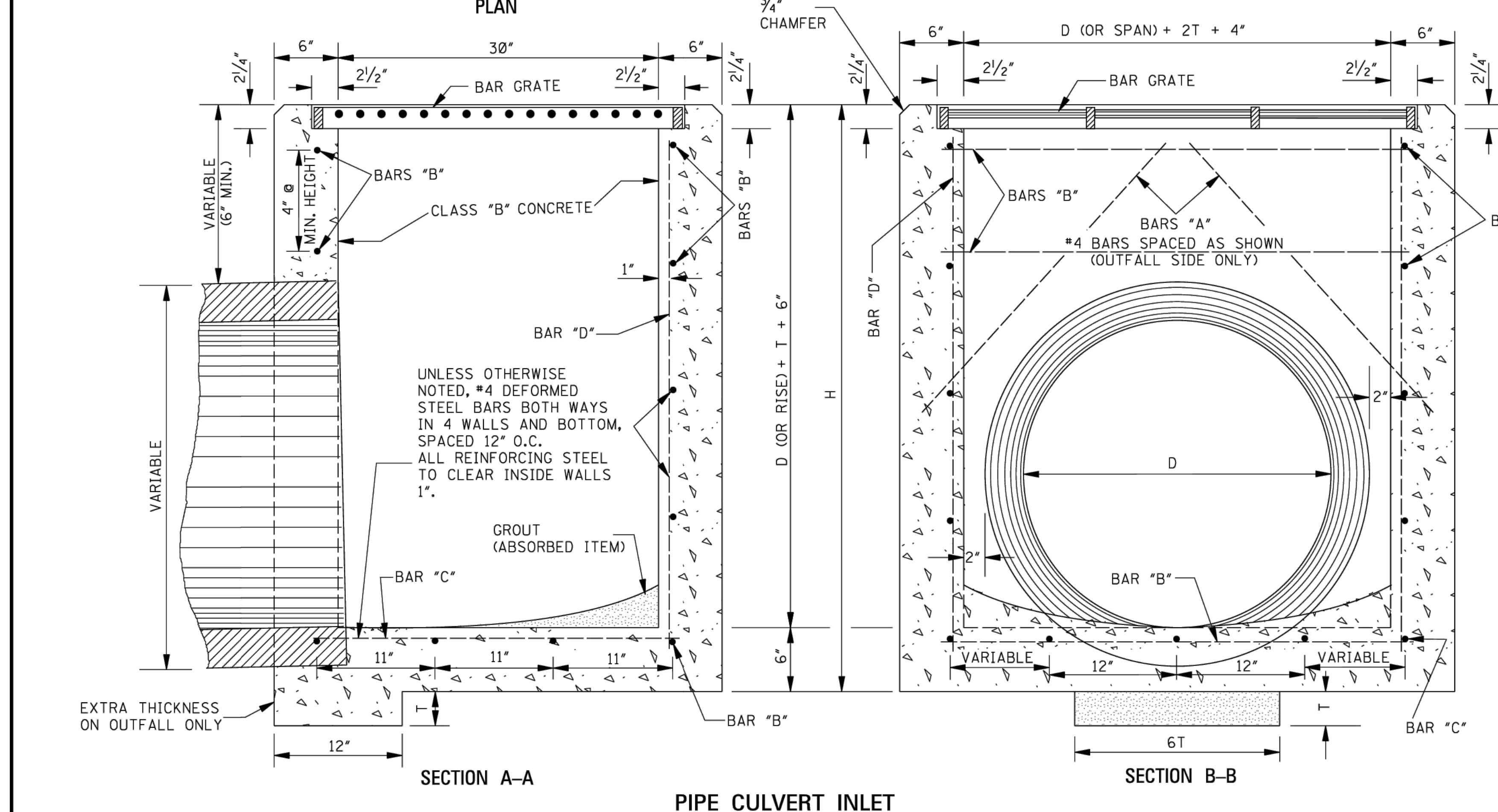
- GENERAL NOTES:**
- QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
  - BOX CULVERTS:
    - UNLESS OTHERWISE SHOWN, THE DETAILS OF THE BOX CULVERT INLETS SHALL CONFORM TO THOSE SHOWN FOR THE PIPE INLETS.
    - BOX CULVERT REINFORCEMENT SHALL BE CONTINUED AND RESHAPED 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.

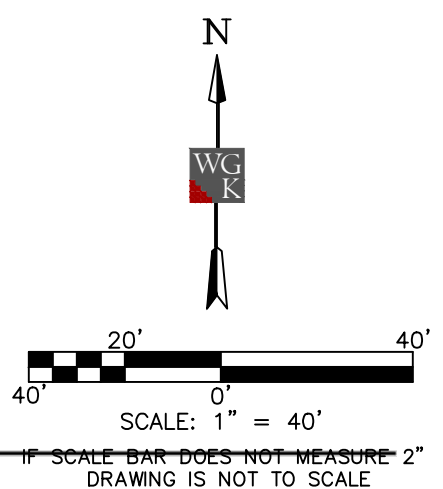
MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

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

WORKING NUMBER B-9  
SHEET NUMBER 6527

ISSUE DATE: AUGUST 01, 2017





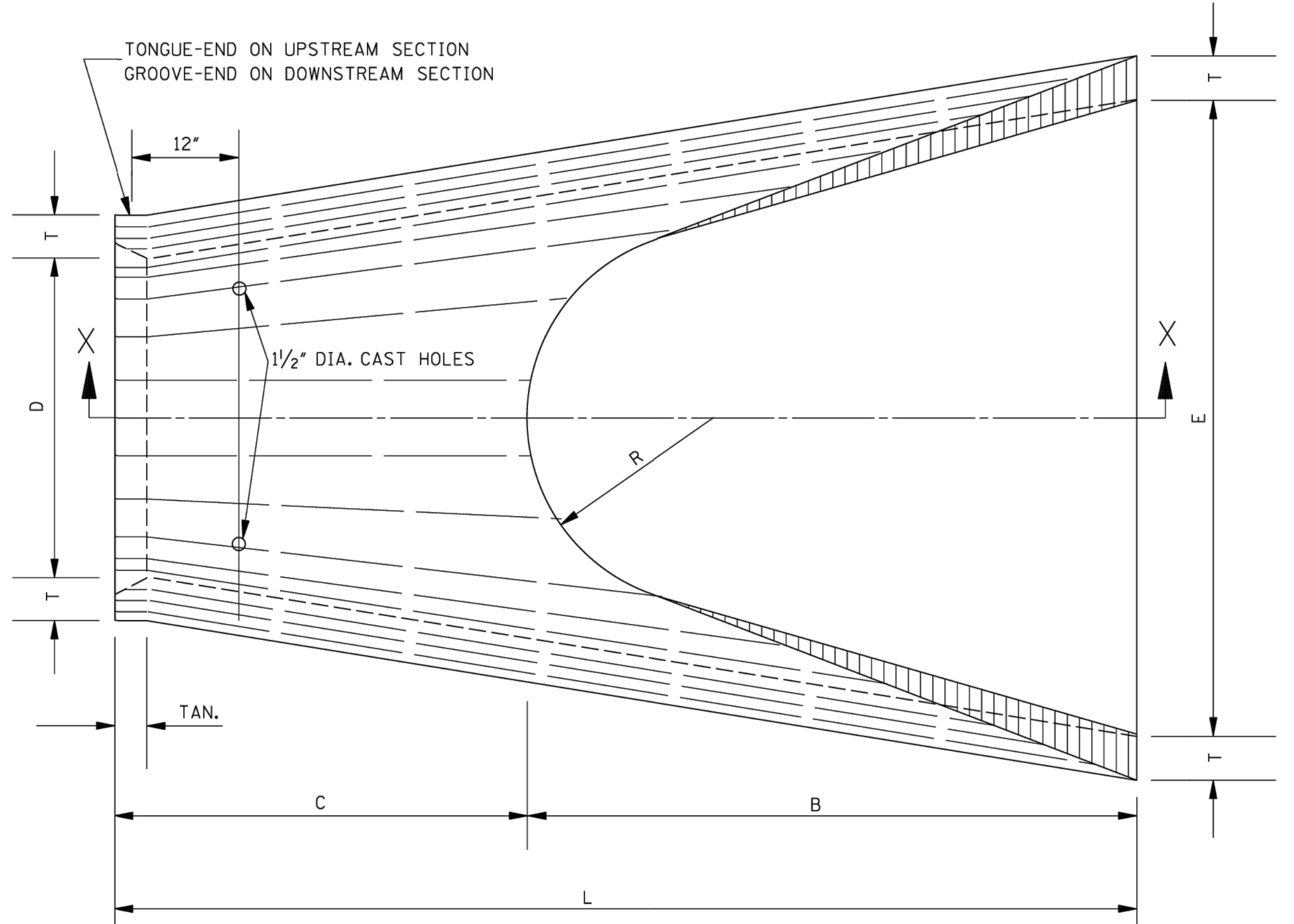
Architects  
One Jackson Place 250  
188 East Capitol Street  
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201 Park Court Suite B  
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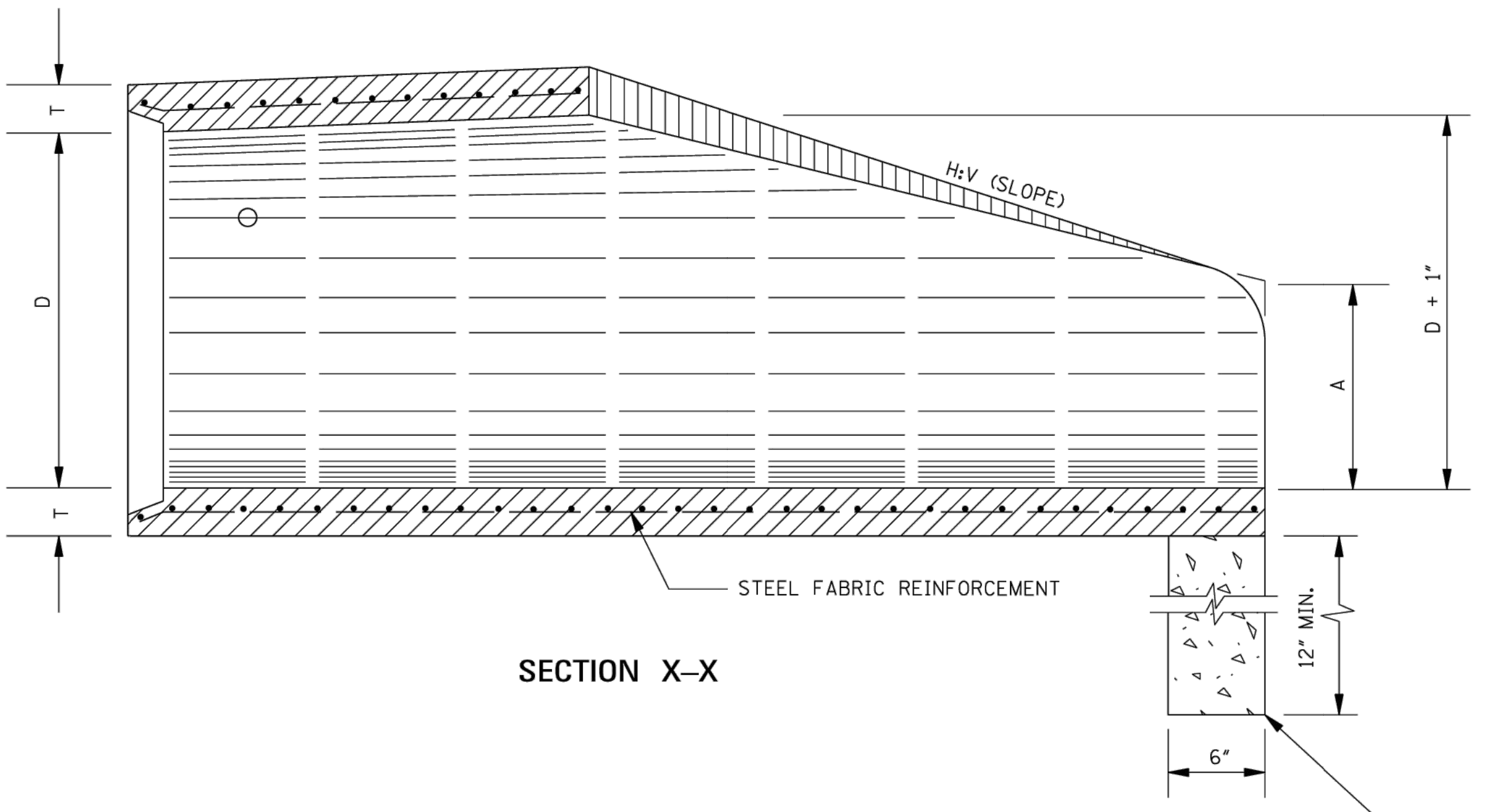
**BELL AND SPIGOT END OPTION**

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

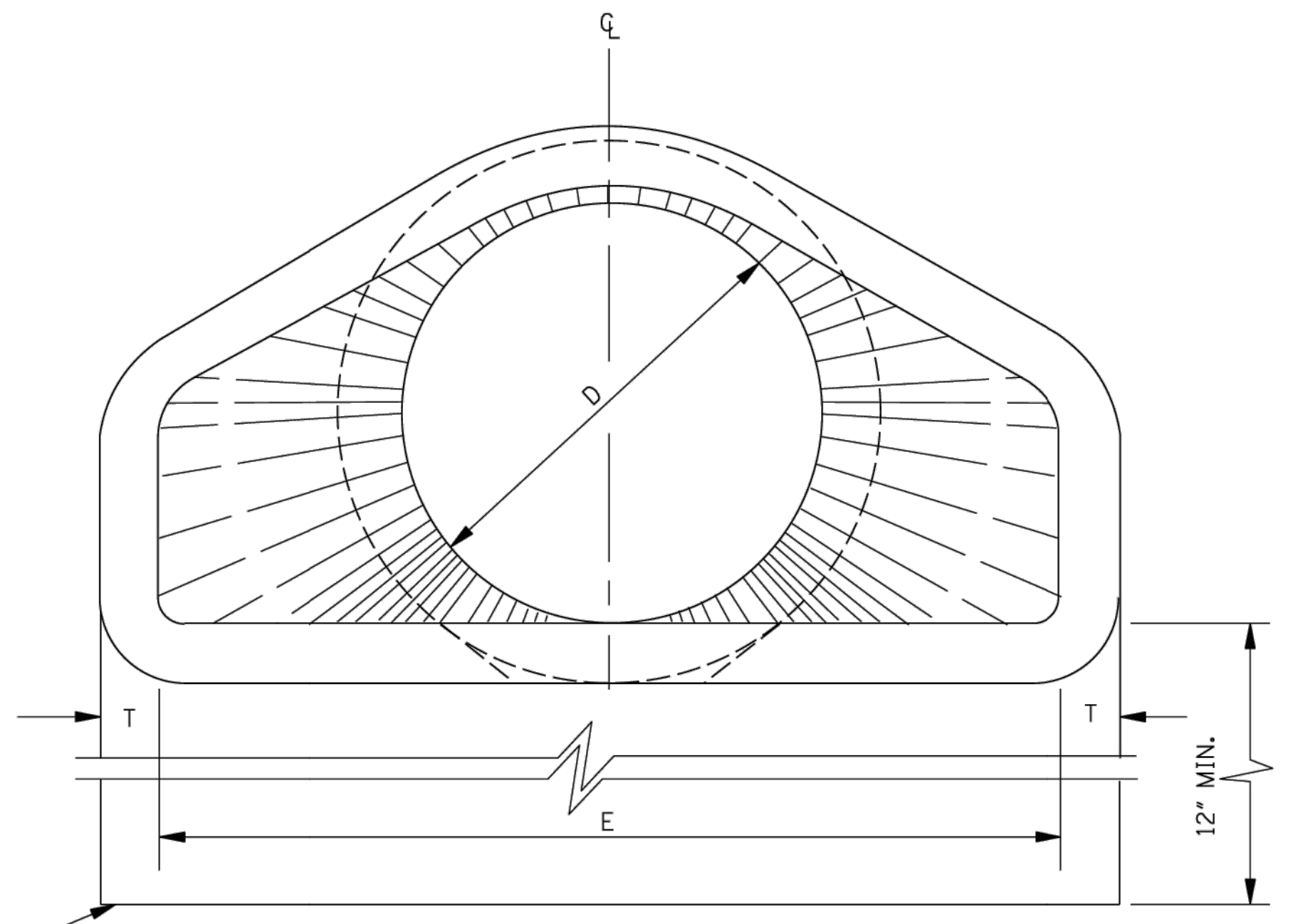
STATE PROJECT NO. \_\_\_\_\_  
HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD83 DATUM, HAVING A COMBINED FACTOR OF 0.99995188 AND A CONVERGENCE ANGLE OF (+)00°04'11.8731", AS SAMPLED AT WKG CONTROL POINT #2, AS SHOWN HEREON.  
  
LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.



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 <sup>3</sup> )
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.

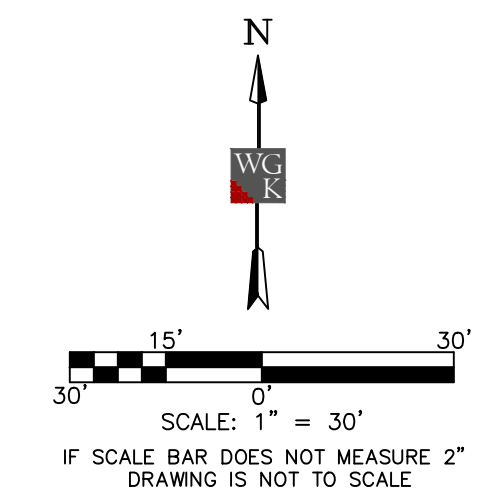
BY MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
<b>FLARED END SECTION FOR CONCRETE PIPE</b>	
DATE	ISSUE DATE: AUGUST 01, 2017
REVISION	WORKING NUMBER FE-1
	SHEET NUMBER 6530

Meridian High School Baseball/Softball  
2320 32nd St., Meridian, MS 39305

100%  
Construction Documents  
Project No 22034-03  
Date March 6, 2023  
Revisions Rev Date  
Rev. 4 April 19, 2023

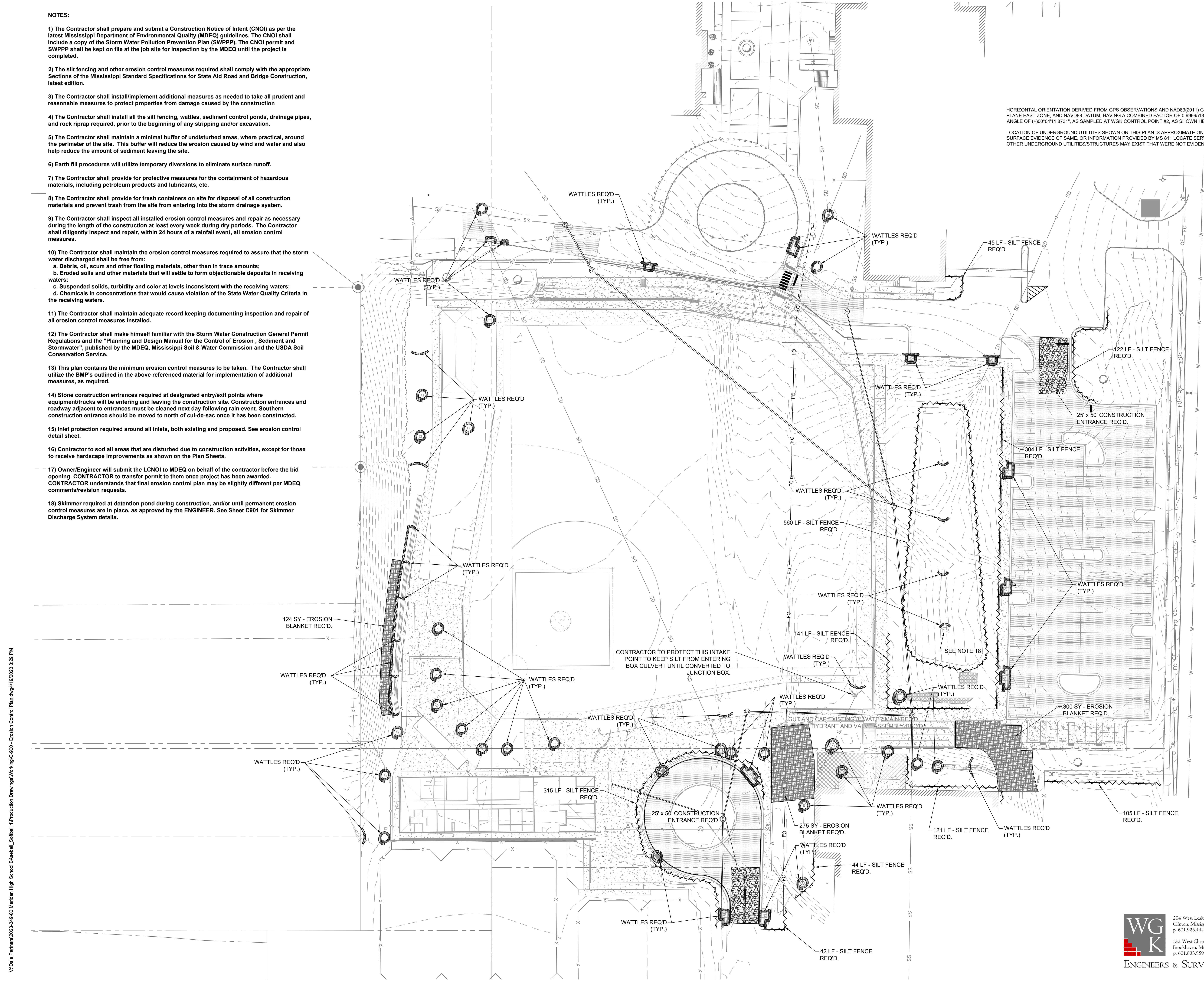
**NOTES:**

- 1) The Contractor shall prepare and submit a Construction Notice of Intent (CNOI) as per the latest Mississippi Department of Environmental Quality (MDEQ) guidelines. The CNOI shall include a copy of the Storm Water Pollution Prevention Plan (SWPPP). The CNOI permit and SWPPP shall be kept on file at the job site for inspection by the MDEQ until the project is completed.
- 2) The silt fencing and other erosion control measures required shall comply with the appropriate Sections of the Mississippi Standard Specifications for State Aid Road and Bridge Construction, latest edition.
- 3) The Contractor shall install/implement additional measures as needed to take all prudent and reasonable measures to protect properties from damage caused by the construction
- 4) The Contractor shall install all the silt fencing, wattles, sediment control ponds, drainage pipes, and rock riprap required, prior to the beginning of any stripping and/or excavation.
- 5) The Contractor shall maintain a minimal buffer of undisturbed areas, where practical, around the perimeter of the site. This buffer will reduce the erosion caused by wind and water and also help reduce the amount of sediment leaving the site.
- 6) Earth fill procedures will utilize temporary diversions to eliminate surface runoff.
- 7) The Contractor shall provide for protective measures for the containment of hazardous materials, including petroleum products and lubricants, etc.
- 8) The Contractor shall provide for trash containers on site for disposal of all construction materials and prevent trash from the site from entering into the storm drainage system.
- 9) The Contractor shall inspect all installed erosion control measures and repair as necessary during the length of the construction at least every week during dry periods. The Contractor shall diligently inspect and repair, within 24 hours of a rainfall event, all erosion control measures.
- 10) The Contractor shall maintain the erosion control measures required to assure that the storm water discharged shall be free from:
  - a. Debris, oil, scum and other floating materials, other than in trace amounts;
  - b. Eroded soils and other materials that will settle to form objectionable deposits in receiving waters;
  - c. Suspended solids, turbidity and color at levels inconsistent with the receiving waters;
  - d. Chemicals in concentrations that would cause violation of the State Water Quality Criteria in the receiving waters.
- 11) The Contractor shall maintain adequate record keeping documenting inspection and repair of all erosion control measures installed.
- 12) The Contractor shall make himself familiar with the Storm Water Construction General Permit Regulations and the "Planning and Design Manual for the Control of Erosion, Sediment and Stormwater", published by the MDEQ, Mississippi Soil & Water Commission and the USDA Soil Conservation Service.
- 13) This plan contains the minimum erosion control measures to be taken. The Contractor shall utilize the BMP's outlined in the above referenced material for implementation of additional measures, as required.
- 14) Stone construction entrances required at designated entry/exit points where equipment/trucks will be entering and leaving the construction site. Construction entrances and roadway adjacent to entrances must be cleaned next day following rain event. Southern construction entrance should be moved to north of cul-de-sac once it has been constructed.
- 15) Inlet protection required around all inlets, both existing and proposed. See erosion control detail sheet.
- 16) Contractor to sod all areas that are disturbed due to construction activities, except for those to receive hardscape improvements as shown on the Plan Sheets.
- 17) Owner/Engineer will submit the LCNOI to MDEQ on behalf of the contractor before the bid opening. CONTRACTOR to transfer permit to them once project has been awarded. CONTRACTOR understands that final erosion control plan may be slightly different per MDEQ comments/revision requests.
- 18) Skimmer required at detention pond during construction, and/or until permanent erosion control measures are in place, as approved by the ENGINEER. See Sheet C901 for Skimmer Discharge System details.



HORIZONTAL ORIENTATION DERIVED FROM GPS OBSERVATIONS AND NAD83(2011) GRID DATA, MISSISSIPPI STATE PLANE EAST ZONE, AND NAVD88 DATUM, HAVING A COMBINED FACTOR OF 0.99995188 AND A CONVERGENCE ANGLE OF (+00°04'11.8731\"/>

LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN IS APPROXIMATE ONLY, AND IS BASED ON SURFACE EVIDENCE OF SAME, OR INFORMATION PROVIDED BY MS 811 LOCATE SERVICES AND THE SCHOOL. OTHER UNDERGROUND UTILITIES/STRUCTURES MAY EXIST THAT WERE NOT EVIDENT TO SURVEYOR.



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**Meridian High School Baseball/Softball**  
2320 32nd St., Meridian, MS 39305

100%  
Construction  
Documents

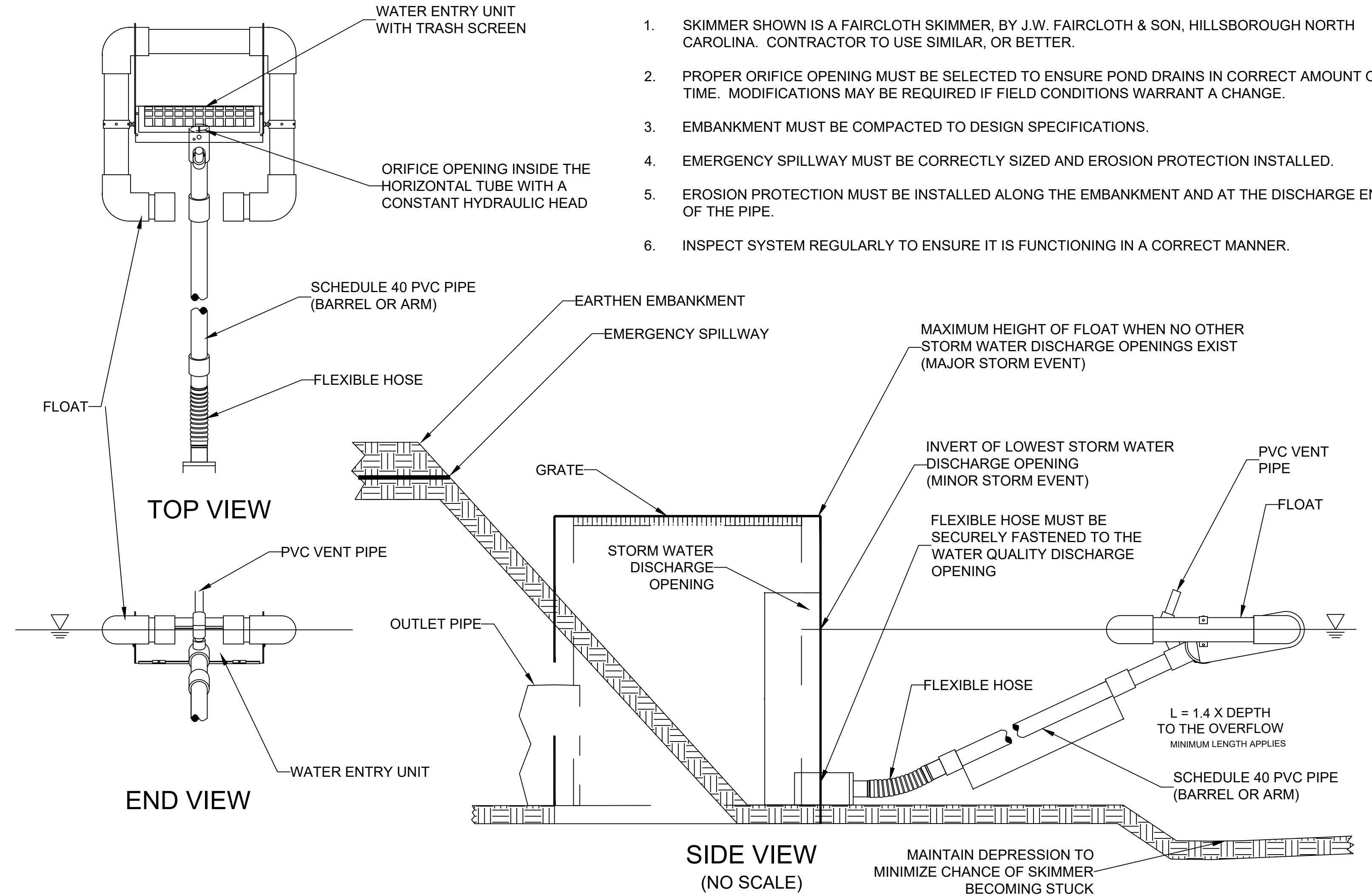
Project No 22034-03  
Date March 6, 2023  
Revisions Rev Date  
Rev. 4 April 19, 2023

V:\Dale Partners\2023-349-00 Meridian High School Baseball\_Softball\_1\Production Drawings\Working\C-900 - Erosion Control Plan.dwg/19/2023 3:29 PM



**SKIMMER NOTES:**

- SKIMMER SHOWN IS A FAIRCLOTH SKIMMER, BY J.W. FAIRCLOTH & SON, HILLSBOROUGH NORTH CAROLINA. CONTRACTOR TO USE SIMILAR, OR BETTER.
- PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.
- EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
- EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION INSTALLED.
- EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE.
- INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.

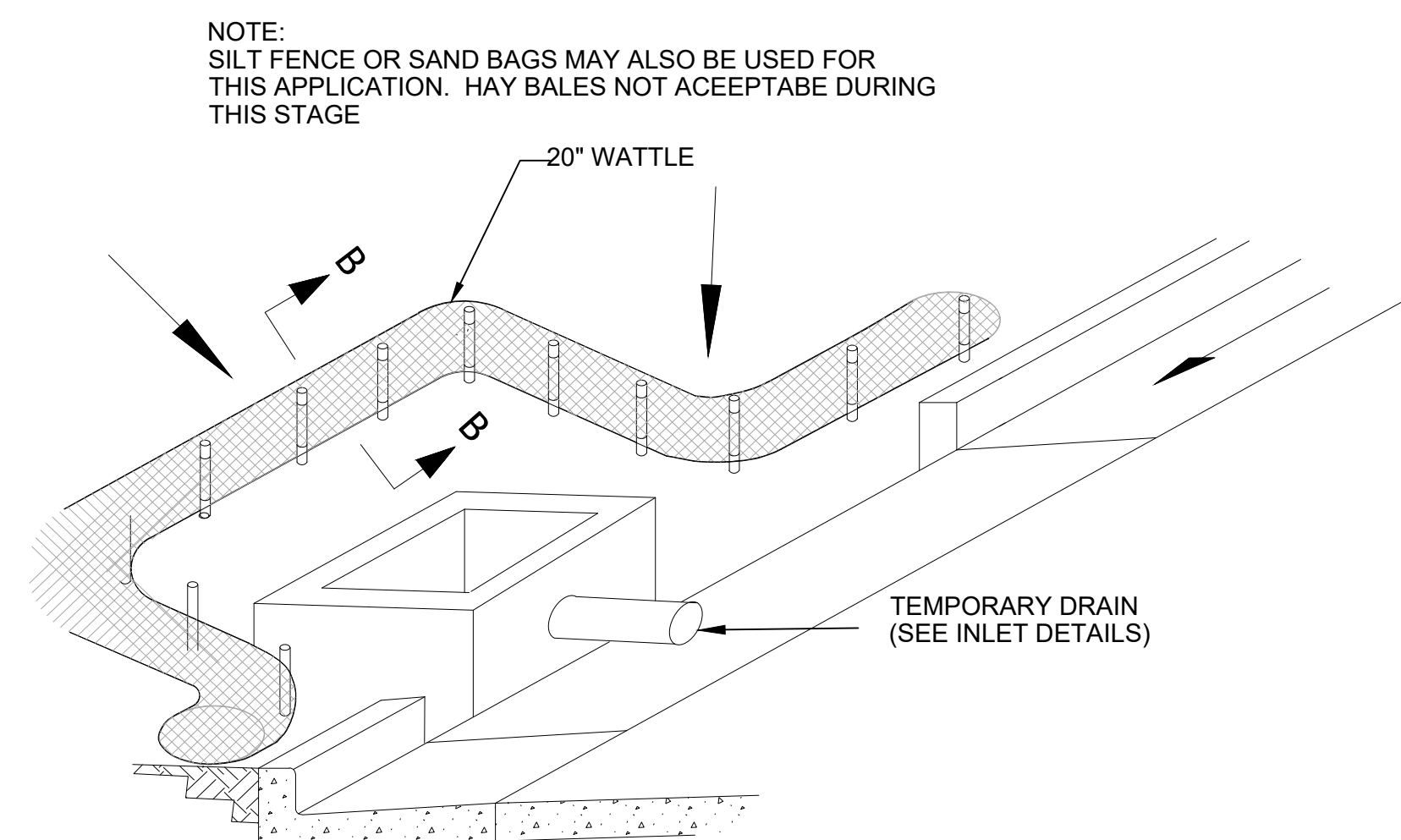


SKIMMER SIZE	FLOW CAPACITIES (IN CU. FT.) FOR THE FAIRCLOTH SKIMMER							
	1.5"	2"	2.5"	3"	4"	5"	6"	8"
24 HOURS	1,728	3,283	6,234	9,774	20,109	32,832	51,840	97,978
2 DAY	3,456	6,566	12,468	19,548	40,218	65,664	103,680	195,956
3 DAY	5,184	9,849	18,702	29,322	60,327	98,496	155,520	293,934
4 DAY	6,912	13,132	24,936	39,096	80,436	131,328	207,360	391,912
5 DAY	8,640	16,415	31,170	48,870	100,545	164,160	259,200	489,890
6 DAY	10,368	19,698	37,404	58,644	120,654	196,992	311,040	587,868
7 DAY	12,096	22,981	43,638	68,418	140,763	229,824	362,880	685,846

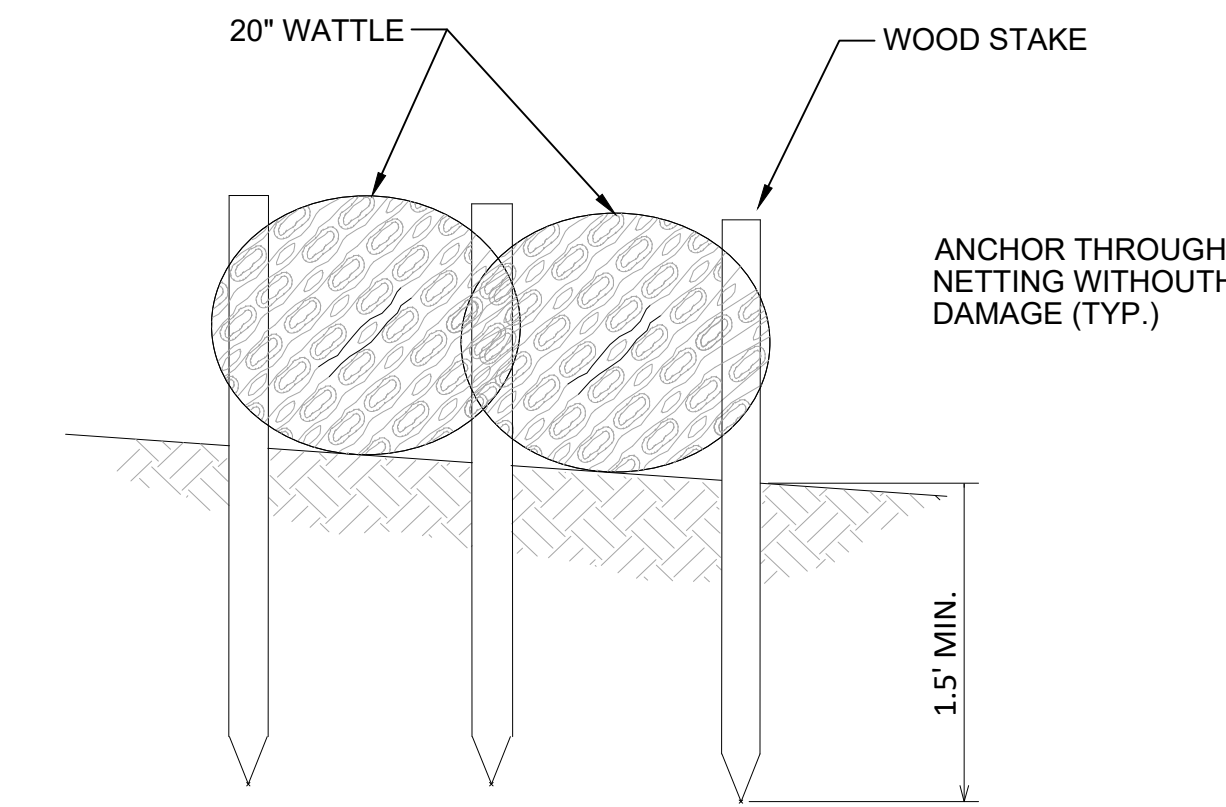
SKIMMER DISCHARGE SYSTEM WITH OUTLET STRUCTURE  
N.T.S.

**General Notes**

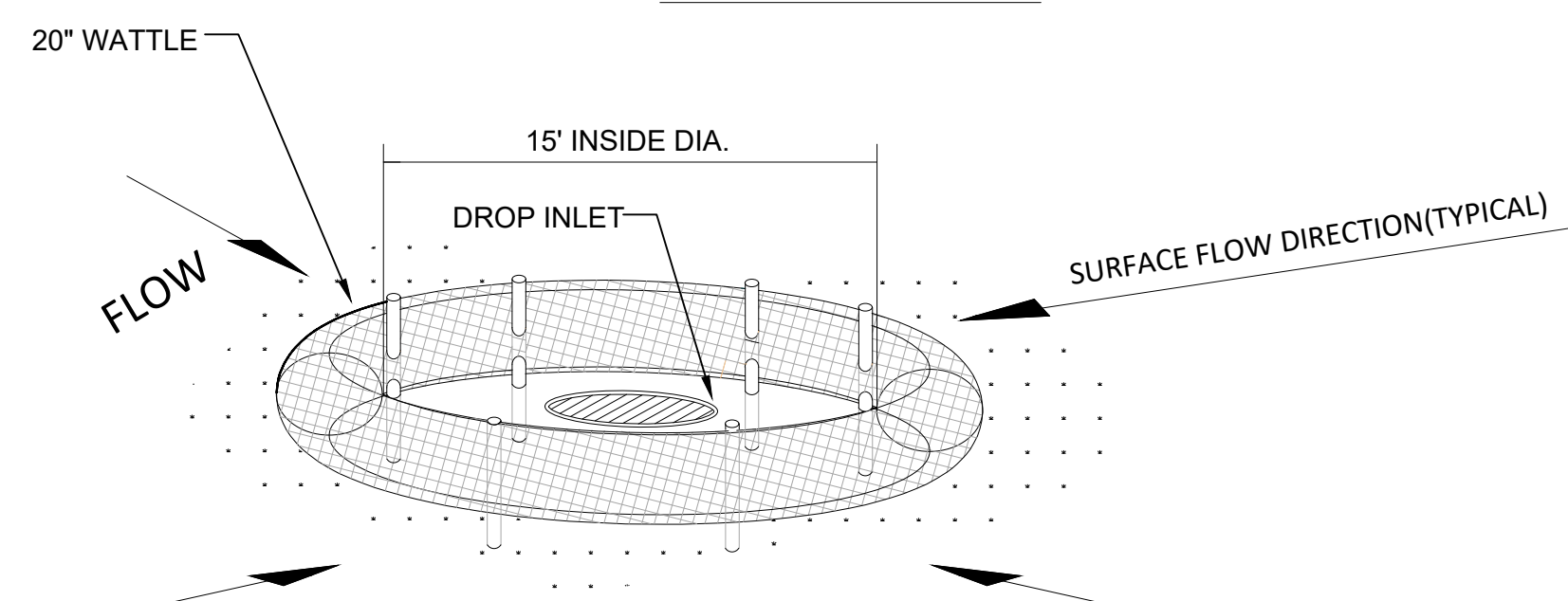
- The Contractor shall complete the Construction Notice of Intent contained in the Contract Documents.
- The silt fencing required shall comply with Section 234 of the Mississippi Standard Specifications for Road and Bridge Construction, latest edition.
- The Contractor shall install/implement additional measures as needed and take all prudent and reasonable measures to protect properties from damage caused by the construction.
- The Contractor shall install all the silt fencing, straw bales, sediment and diversion berms as directed by the Engineer.
- The Contractor shall provide protective measures for the containment of hazardous materials, including petroleum products and lubricants, etc.
- The Contractor shall provide trash containers on site for disposal of all construction materials, and shall prevent trash from entering the storm drainage system.
- The Contractor shall inspect all installed erosion control measures, and shall repair as necessary during the length of the construction (at least every seven (7) days during dry periods.) The Contractor shall diligently inspect and repair, within 24 hours of a rainfall event, all erosion control measures.
- The Contractor shall maintain the erosion control measures to assure that the storm water discharged shall be free from:
  - Debris, oil, scum and other floating materials, other than in trace amounts;
  - Eroded soils and other materials that will settle to form objectionable deposits in receiving waters;
  - Suspended solids, turbidity and color at levels inconsistent with the receiving waters;
  - Chemicals in concentrations that would cause violation of the State Water Quality Criteria in the receiving waters.
- The Contractor shall maintain adequate record keeping documenting inspection and repair of all erosion control measures installed.
- The Contractor shall make himself familiar with the Storm Water Construction General Permit Regulations and the "Planning and Design Manual for the Control of Erosion, Sediment and Stormwater", published by the MDEQ, Mississippi Soil & Water Commission and the USDA Soil Conservation Service.



CURB INLET PROTECTION (STAGE 2)  
SINGLE OR DOUBLE WING INLET

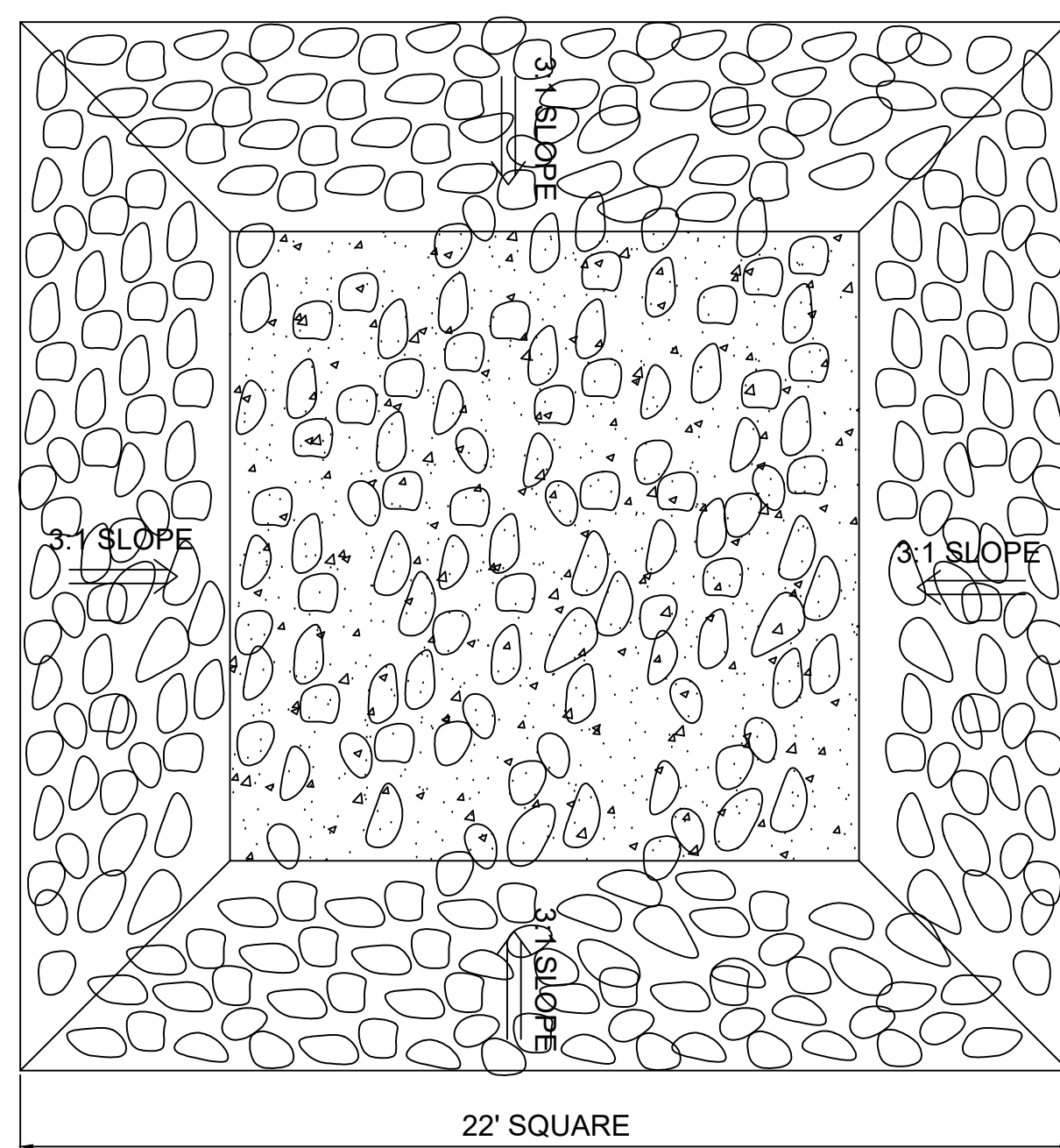


SECTION A-A



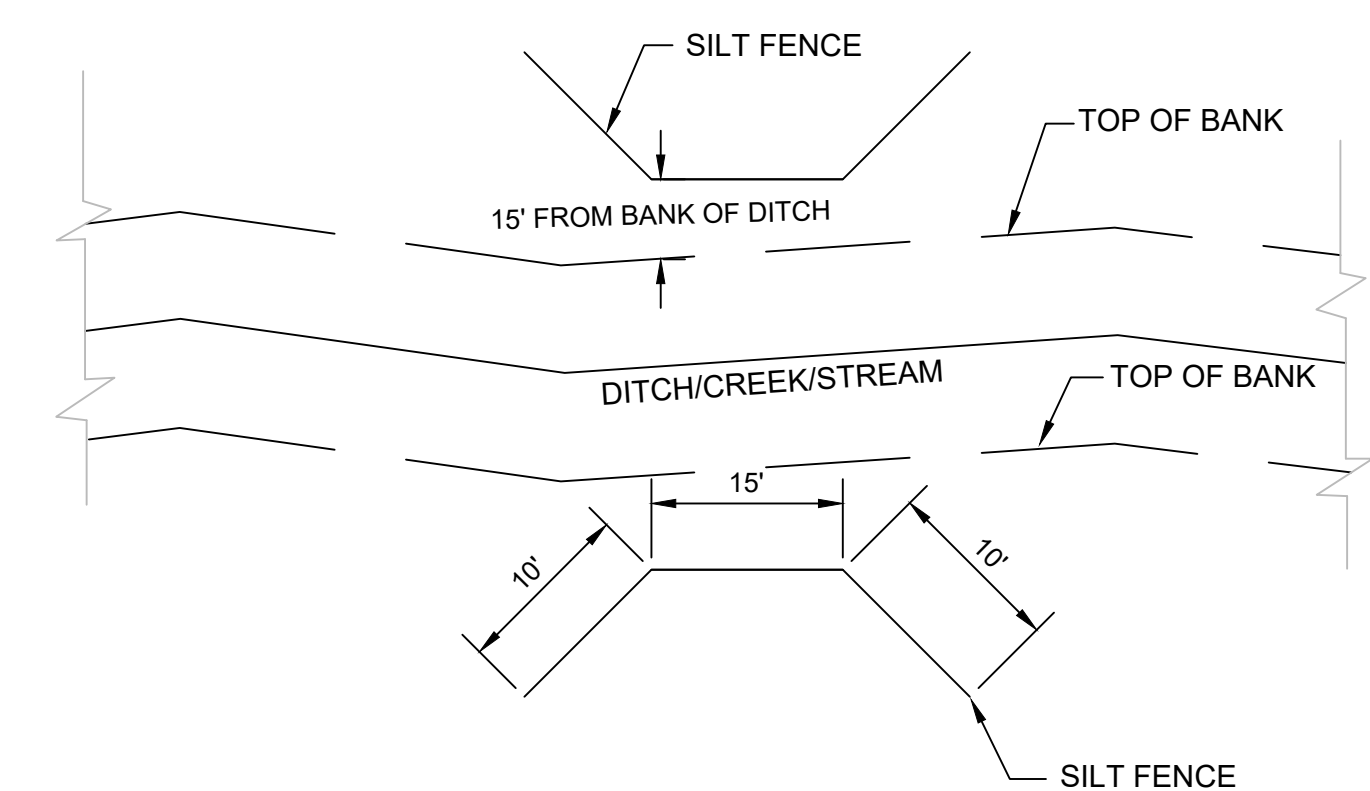
DROP INLET PROTECTION

- NOTES:
- ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
  - OVERLAP ENDS OF WATTLES PER MANUFACTURER'S RECOMMENDATIONS (1" MAX., 3" MAX.).
  - TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.

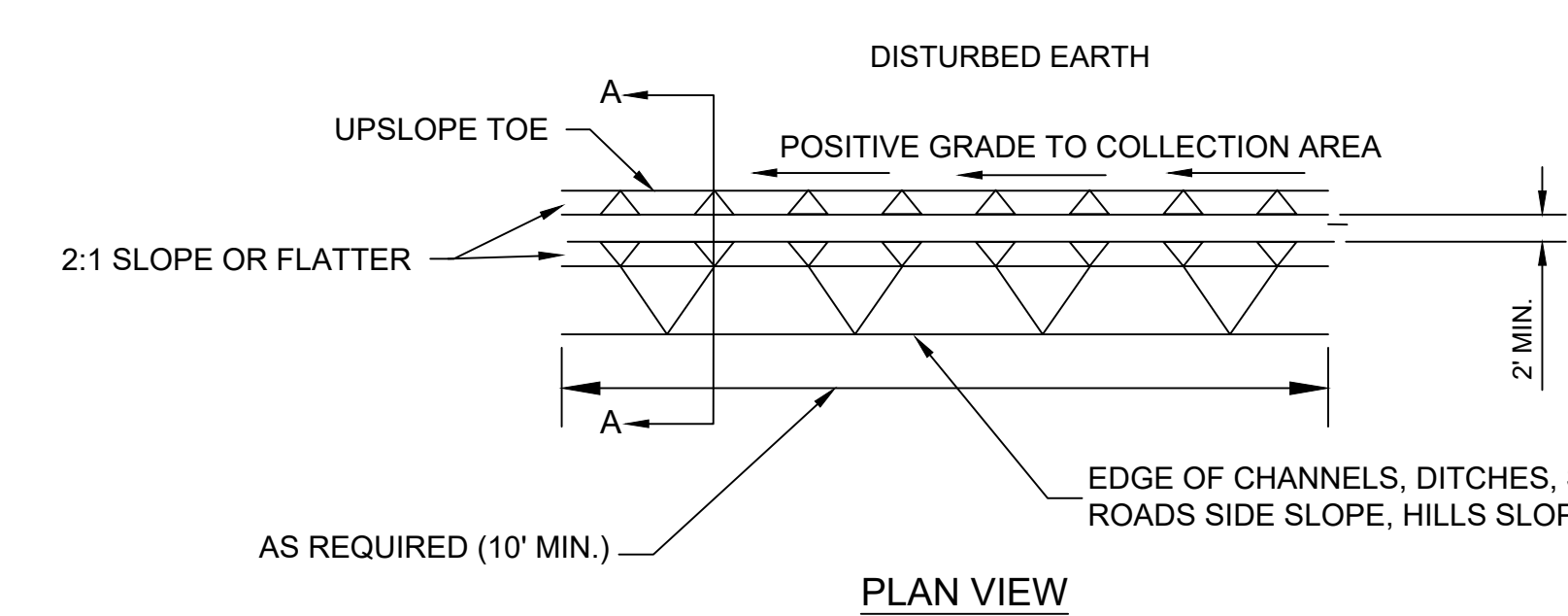


PLUNGE POOL DETAIL  
NOT TO SCALE

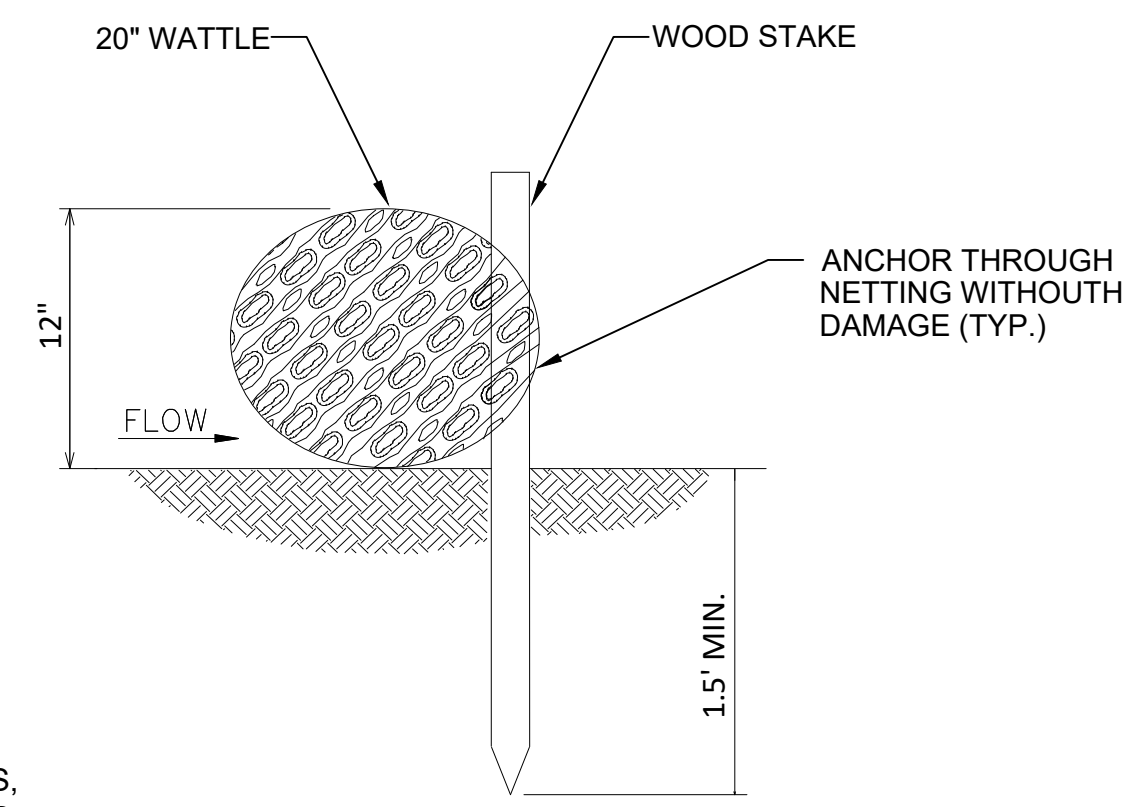
NOTE: GROUTED ROCK RIPRAP ON BOTTOM ONLY



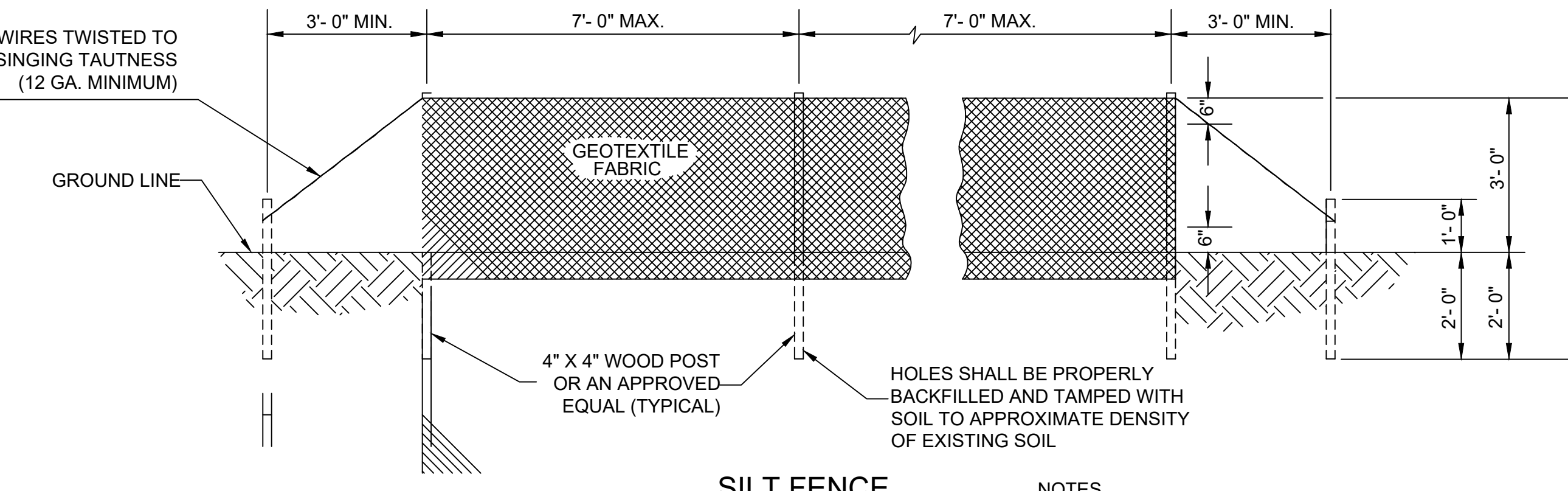
SILT FENCE AT DITCH DETAIL  
N.T.S.



PLAN VIEW



SECTION B-B



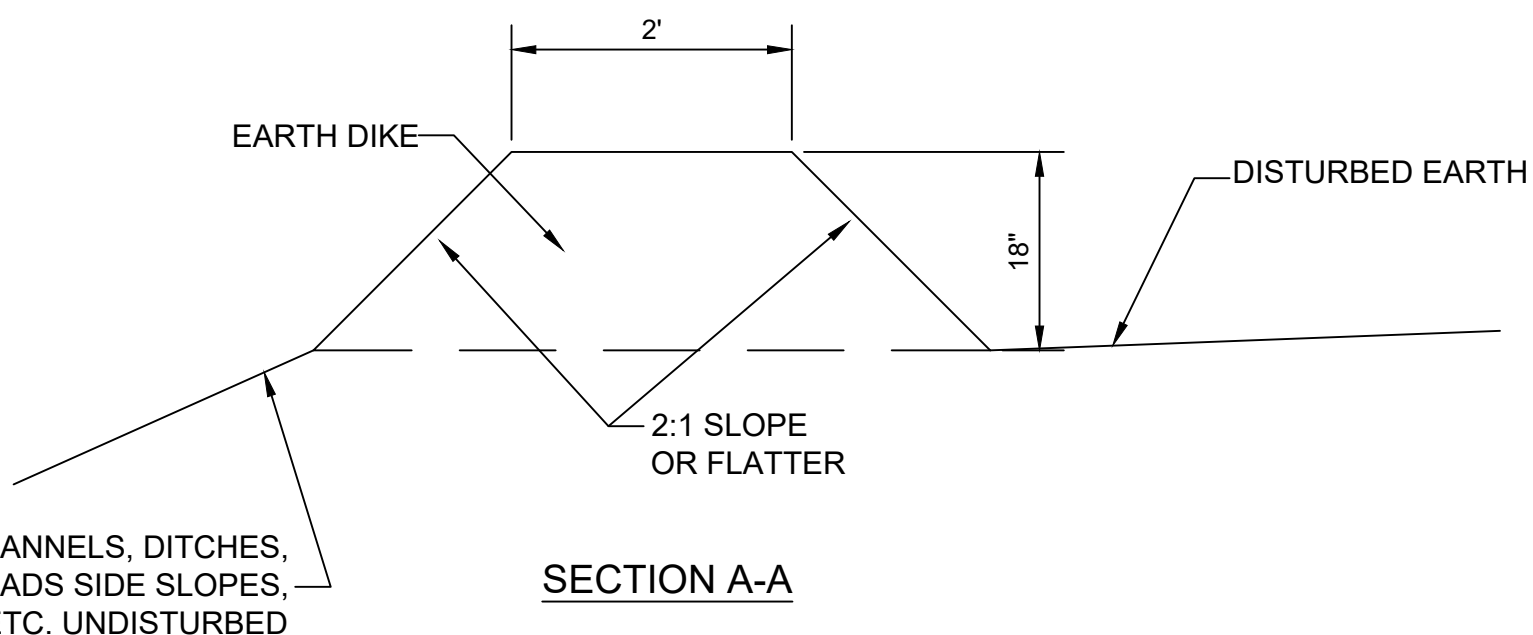
SECTION

**SILT FENCE**

- NOTES
- SILT FENCES ARE TEMPORARY EROSION CONTROL ITEMS THAT SHALL BE ERECTED OPPOSITE ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
  - SILT FENCE SHOULD BE PLACED WELL INSIDE PROPERTY BOUNDARY AND ALONG EDGE OF CLEARING LIMITS. THIS WILL ALLOW ROOM FOR A BACK-UP FENCE IF FIRST BECOMES FULL. SILT FENCES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION OPERATION.
  - WHEREVER POSSIBLE, SILT FENCES SHALL BE CONSTRUCTED ACROSS A FLAT AREA IN THE SHAPE OF A HORSESHOE. THIS AIDS IN PONDING OF RUNOFF AND FACILITATES SEDIMENTATION.
  - AFTER THE CONSTRUCTION AREA IS STABILIZED AND EROSION ACTIVITY CURTAILED, SILT FENCES SHALL BE REMOVED.
  - RING FASTENERS USED TO SECURE GEOTEXTILES TO WOVEN WIRE SHALL BE 13 GA. (AMERICAN).
  - IF WOOD POSTS ARE USED, STAPLES FOR SECURING WOVEN WIRE TO POSTS SHALL BE NINE (9) GAUGE, GALVANIZED, 1 1/2" LONG, FIVE (5) PER POST @ APPROXIMATELY 1'-0" ON CENTER.
  - WOVEN WIRE TO BE 12 1/2 GAUGE (MINIMUM).

SPECIFICATIONS  
CURRENT MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SILT FENCE INSTALLATION



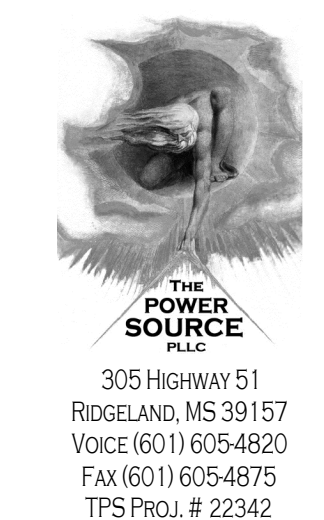
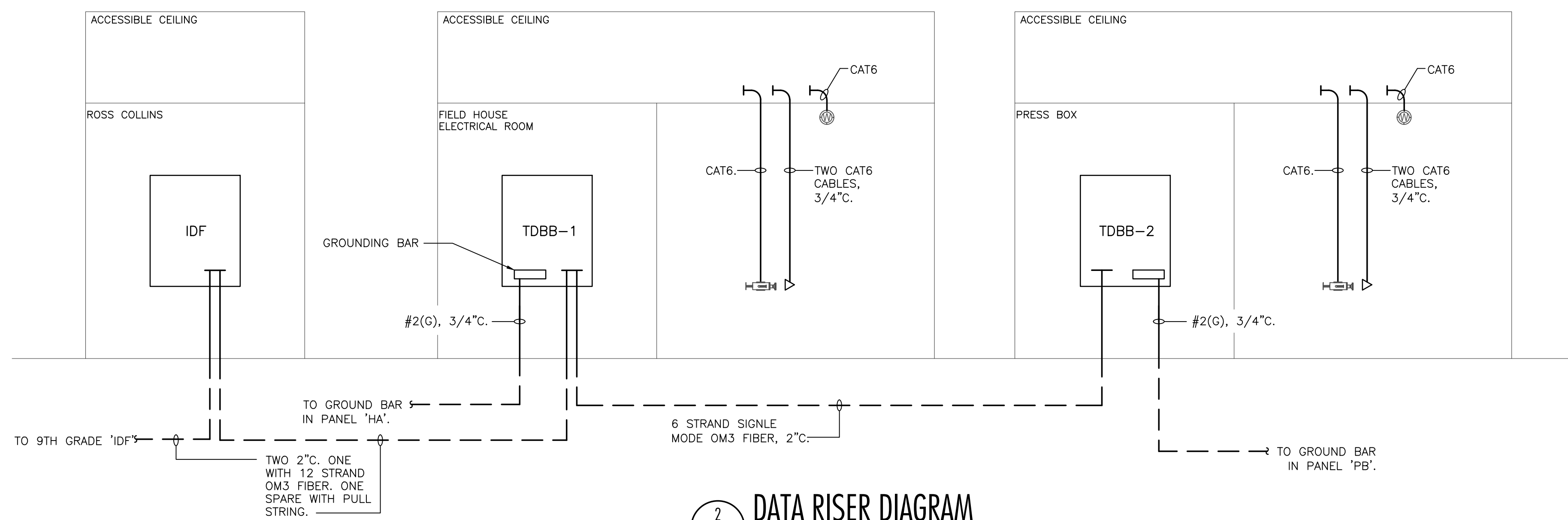
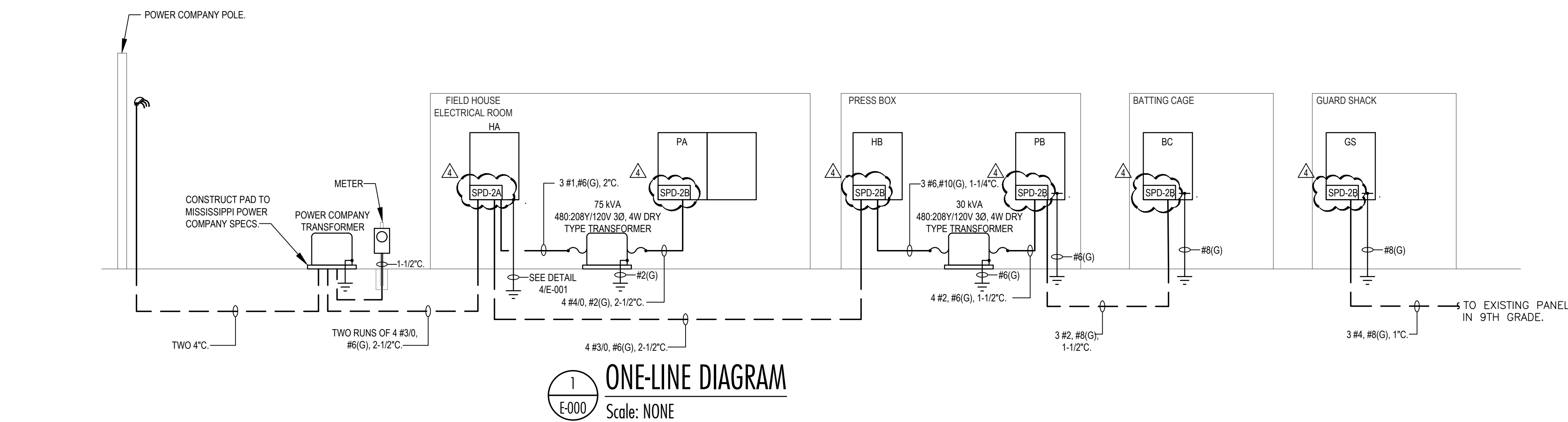
DIVERSION BERM DETAIL  
N.T.S.

# ELECTRICAL LEGEND

GENERAL NOTES	CONDUIT AND WIRING																											
<p>1. ALL EQUIPMENT AND DEVICES ARE TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.</p> <p>2. DEVICES NOTED AS "GFI" SHALL BE GROUND FAULT CIRCUIT INTERRUPTING DEVICES.</p> <p>3. DEVICES NOTED AS "WP" SHALL BE WEATHERPROOF WHILE-IN-USE.</p> <p>4. DEVICES NOTED AS "DL" SHALL BE RATED FOR DAMP LOCATION.</p> <p>5. DEVICES NOTED AS "NL" SHALL BE NIGHT LIGHTS. PROVIDE UNSWITCHED POWER TO FIXTURE.</p> <p>6. DEVICES NOTED AS "WG" SHALL BE PROVIDED AND INSTALLED WITH A WIRE GUARD.</p> <p>7. DEVICES NOTED AS "TR" SHALL BE TAMPER RESISTANT.</p> <p>8. PROVIDE UNSWITCHED POWER TO EMERGENCY BATTERY PACKS.</p> <p>9. "W/E" INDICATES DEVICE/DISCONNECT PROVIDED WITH THE EQUIPMENT BY OTHERS.</p>	<p>CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>THE TEXT INSIDE THE ARC INDICATES THE AWG SIZE OF THE CONDUCTORS THAT SHALL BE RUN IN THE CONDUIT. THE ABSENCE OF TEXT SIGNIFIES THAT THE CONDUCTORS SHOULD BE #12 AWG.</p> <p>CIRCUITRY RUN IN STRAIGHT LINE SEGMENTS SIGNIFIES EXPOSED SURFACE-MOUNTED RACEWAY (SEE SPECIFICATIONS).</p> <p>CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE OR FLOOR. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>HOMERUN TO PANELBOARD. ARC DENOTES CONCEALED CIRCUITRY. TEXT DENOTES PANELBOARD NAME WITH CIRCUIT NUMBER. DEVICES HAVING CIRCUIT NUMBERS LOCATED BESIDE THEM MAY NOT SHOW THE CIRCUIT NUMBERS AT THE HOMERUN ARROWS.</p> <p>PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.</p> <p>LOW VOLTAGE CONDUCTORS USED FOR MOTION DETECTOR CIRCUITRY. SEE MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR REQUIREMENTS.</p>																											
<p><b>LUMINAIRES (See Light Fixture Schedule)</b></p> <p>NOTE: THE NUMBER INSIDE THE CIRCLE IS THE CIRCUIT NUMBER. THE LETTER BESIDE THE SYMBOL IS THE FIXTURE TYPE DESCRIBED IN THE LIGHT FIXTURE SCHEDULE.</p> <p>○-H ? SURFACE MOUNTED OR SUSPENDED FIXTURE.</p> <p>○-E ? SURFACE MOUNTED OR SUSPENDED EMERGENCY FIXTURE.</p> <p>⊙ ? CEILING MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.</p> <p>⊙-E ? EXIT SIGN WITH EMERGENCY LIGHTING.</p> <p>⊙-H ? WALL MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.</p> <p>○ ? WALL MOUNTED FIXTURE.</p> <p>⊙-A ? SITE ARM MOUNT POLE LIGHT FIXTURE.</p> <p>⊙ ? SITE POLE TOP LIGHT FIXTURE.</p>	<p><b>SWITCHES</b></p> <p>§ SINGLE-POLE, SINGLE-THROW SWITCH. MOUNT CENTERLINE OF BOX AT 45° A.F.F. UNLESS NOTED OTHERWISE.</p> <p>§-A AUTOMATIC WALL SWITCH. SENSOR SWITCH #WSXA-PDT OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45° A.F.F. UNLESS NOTED OTHERWISE.</p> <p>§-B AUTOMATIC WALL SWITCH WITH INTEGRAL 0-10V DIMMER. SENSOR SWITCH #WSXA-PDT-D-VA OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45° A.F.F. UNLESS NOTED OTHERWISE.</p> <p>Ⓜ PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 22° RADIAL COVERAGE. CEILING MOUNTED. SENSOR SWITCH #CM-PDT-9 OR APPROVED EQUAL.</p> <p>Ⓜ PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 12° RADIAL COVERAGE. CEILING MOUNTED. SENSOR SWITCH #CM-PDT-10 OR APPROVED EQUAL.</p> <p>Ⓜ PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 2000 SQ. FT. COVERAGE. MOUNT IMMEDIATELY BELOW CEILING. SENSOR SWITCH #WW-PDT-16 OR APPROVED EQUAL.</p> <p>Ⓜ POWER PACK MOUNTED ABOVE CEILING. SENSOR SWITCH #PP20 OR APPROVED EQUAL.</p>																											
<p><b>VOLTAGE DROP CHART FOR 20A, 1Ø CIRCUITS</b></p> <table border="1"> <thead> <tr> <th>Voltage</th> <th>Circuit Length</th> <th>Conductor Size (AWG)</th> </tr> </thead> <tbody> <tr> <td>120</td> <td>&lt; 50'</td> <td>#12</td> </tr> <tr> <td>120</td> <td>&gt; 50'</td> <td>#10</td> </tr> <tr> <td>120</td> <td>&gt; 90'</td> <td>#8</td> </tr> <tr> <td>120</td> <td>&gt; 140'</td> <td>#6</td> </tr> <tr> <td>277</td> <td>&lt; 130'</td> <td>#12</td> </tr> <tr> <td>277</td> <td>&gt; 130'</td> <td>#10</td> </tr> <tr> <td>277</td> <td>&gt; 200'</td> <td>#8</td> </tr> <tr> <td>277</td> <td>&gt; 330'</td> <td>#6</td> </tr> </tbody> </table> <p><b>VOLTAGE DROP CHART NOTES:</b></p> <p>1) CIRCUIT SIZES INDICATED ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. REFER TO THIS CHART FOR UPSIZING CONDUCTORS AS NEEDED.</p> <p>2) DO NOT CONNECT CONDUCTORS LARGER THAN #10 DIRECTLY TO A RECEPTACLE OR A SWITCH. PROVIDE A JUNCTION BOX TO DOWNSIZE THE CONDUCTOR TO #12 AT THE DEVICE.</p> <p>3) FOR CIRCUITS LONGER THAN THOSE LISTED ABOVE, CONSULT WITH THE ENGINEER FOR CONDUCTOR SIZES.</p>	Voltage	Circuit Length	Conductor Size (AWG)	120	< 50'	#12	120	> 50'	#10	120	> 90'	#8	120	> 140'	#6	277	< 130'	#12	277	> 130'	#10	277	> 200'	#8	277	> 330'	#6	<p><b>MISCELLANEOUS</b></p> <p>Ⓜ CONTACTOR.</p> <p>Ⓜ PHOTOCELL.</p> <p>Ⓜ CEILING MOUNTED JUNCTION BOX.</p> <p>Ⓜ WALL MOUNTED JUNCTION BOX.</p> <p>~ FLEXIBLE CONNECTION TO EQUIPMENT.</p>
Voltage	Circuit Length	Conductor Size (AWG)																										
120	< 50'	#12																										
120	> 50'	#10																										
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277	> 330'	#6																										
<p><b>INTRUSION DETECTION SYSTEM</b></p> <p>Ⓜ MOTION DETECTOR.</p> <p>Ⓜ GLASS BREAK DETECTOR.</p> <p>Ⓜ INTRUSION DETECTION CONTROL PANEL.</p>	<p><b>CCTV SYSTEM</b></p> <p>Ⓜ CEILING MOUNTED CAMERA.</p> <p>Ⓜ WALL MOUNTED CAMERA.</p> <p>Ⓜ INSIDE CORNER MOUNTED CAMERA.</p> <p>Ⓜ OUTSIDE CORNER MOUNTED CAMERA.</p>																											
<p><b>INTRUSION DETECTION SYSTEM</b></p>	<p><b>INTERCOM SYSTEM</b></p> <p>Ⓜ CEILING SPEAKER.</p> <p>Ⓜ CEILING PAGING SPEAKER.</p> <p>Ⓜ WALL MOUNT SPEAKER.</p> <p>Ⓜ CALL-IN SWITCH.</p> <p>Ⓜ EXTERIOR HORN TYPE SPEAKER.</p> <p>Ⓜ EXTERIOR PAGING SPEAKER.</p>																											
<p><b>INTRUSION DETECTION SYSTEM</b></p>	<p><b>RECEPTACLES</b></p> <p>Ⓜ DUPLICATION RECEPTACLE, NEMA 5-20R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>Ⓜ DOUBLE DUPLICATION RECEPTACLE, NEMA 5-20R, ONE COVER PLATE. MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>Ⓜ DUPLICATION RECEPTACLE, NEMA 5-20R, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER. WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.</p> <p>Ⓜ SINGLE RECEPTACLE, NEMA 6-30R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>Ⓜ DUPLICATION RECEPTACLE WITH USB PORT, NEMA 5-20R PASS &amp; SEYMOUR #TMB26USBW OR EQUAL, MOUNTED 45" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>Ⓜ WEATHER PROOF DUPLICATION RECEPTACLE, LEGRAND XBB14, MOUNTED IN GRADE.</p>																											
<p><b>INTRUSION DETECTION SYSTEM</b></p>	<p><b>COMMUNICATIONS</b></p> <p>Ⓜ DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>Ⓜ DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH, WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER. WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.</p> <p>Ⓜ WIRELESS ACCESS POINT BY OTHERS. PROVIDE A CAT6 CABLE.</p>																											
<p><b>INTRUSION DETECTION SYSTEM</b></p>	<p><b>SOUND SYSTEM</b></p> <p>Ⓜ DANLEY #OS12CX SPEAKER.</p> <p>Ⓜ DANLEY #GO2BCX SPEAKER.</p> <p>Ⓜ DANLEY #OS80 SPEAKER.</p> <p>Ⓜ DANLEY #THMINI SPEAKER.</p>																											

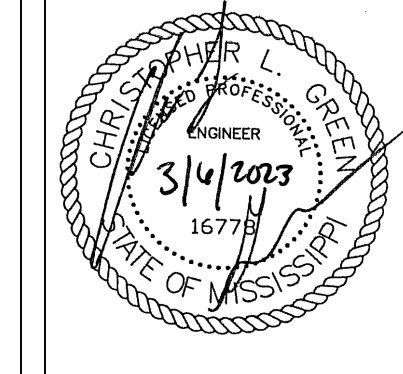
# LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	PART NUMBER	LAMPS	MOUNTING	REMARKS
A	LITHONIA	EPANL-2X2-4800LM-80CRI-40K-MIN10-ZT-MVOLT	LED, 45W 4,843 LUMENS	RECESSED	
AE	LITHONIA	EPANL-2X2-4800LM-80CRI-40K-MIN10-ZT-MVOLT-E10WCP	LED, 45W 4,843 LUMENS	RECESSED	-WITH EMERGENCY BATTERY PACK.
B	LITHONIA	ZL1N-L48-5000LM-FST-MVOLT-40K-80CRI-WH	LED, 34.3W 4,585 LUMENS	SURFACE	
BE	LITHONIA	ZL1N-L48-5000LM-FST-MVOLT-40K-80CRI-WH-E10WCP	LED, 34.3W 4,585 LUMENS	SURFACE	-WITH EMERGENCY BATTERY PACK.
C	LITHONIA	FEM-L48-3000LM-LPPCL-MD-MVOLT-GZ10-40K-80CRI	LED, 18.1W 2,770 LUMENS	SURFACE	
CE	LITHONIA	FEM-L48-3000LM-LPPCL-MD-MVOLT-GZ10-40K-80CRI-E10WCP	LED, 18.1W 2,770 LUMENS	SURFACE	-WITH EMERGENCY BATTERY PACK.
D	LITHONIA	FEM-L48-6000LM-LPPCL-MD-MVOLT-GZ10-40K-80CRI	LED, 37.8W 5,444 LUMENS	SURFACE	
F	LITHONIA	WDOGE2-LED-P2-40K-80CRI-T4M-MVOLT-DDBXD	LED, 10W 2,000 LUMENS	WALL	
FE	LITHONIA	WDOGE2-LED-P2-40K-80CRI-T4M-MVOLT-E10WH-DDBXD	LED, 10W 2,000 LUMENS	WALL	-WITH EMERGENCY BATTERY PACK.
G	LITHONIA	EPANL-2X2-4000LM-80CRI-40K-MIN10-ZT-MVOLT	LED, 37W 4,121 LUMENS	RECESSED	
H	LITHONIA	FEM-L24-6000LM-LPPCL-MD-MVOLT-GZ10-40K-80CRI	LED, 26W 3,788 LUMENS	SURFACE	
HE	LITHONIA	FEM-L24-6000LM-LPPCL-MD-MVOLT-GZ10-40K-80CRI	LED, 26W 3,788 LUMENS	SURFACE	-WITH EMERGENCY BATTERY PACK.
J	VISA LIGHTING	OV2100-60-L40K(H)-MVOLT-WIDE SWF-6"-*	LED, 69W 8,900 LUMENS	SURFACE	*-SELECTED BY ARCHITECT.
X	LITHONIA	LQM-S-W-3-R-MVOLT-EL N	LED	WALL/ CEILING	-WITH EMERGENCY BATTERY PACK.
SA	LITHONIA	RSX1-LED-P3-40K-R4-XVOLT-SPA-DDBXD DM19AS-PER7-DLL480F-1.5-CUL-JU	LED, 109W 14,206 LUMENS	POLE	POLE #SSS-25'-4G'-DM19AS-DDBXD -WITH PHOTOCELL.
SB	LITHONIA	RSX1-LED-P3-40K-R4-XVOLT-SPA-EGS DDBXD-DM19AS-PER7-DLL480F-1.5-CUL-JU	LED, 109W 14,206 LUMENS	POLE	POLE #SSS-25'-4G'-DM19AS-DDBXD -WITH PHOTOCELL.
SC	LITHONIA	DSXF1-LED-P2-40K-FLMVOLT-IS-PE-DDBXD	LED, 42W 4,546 LUMENS	STANCHION	



**DALE BAILEY**  
AN ASSOCIATION

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Meridian School District Bond Issue  
Meridian, MS

Construction Documents

Project No	22034
Date	March 6, 2023
Revisions	Rev Date
Drawn	BRC
Checked	CLG
⚠	2023-03-28
⚠	2023-04-14
⚠	2023-04-19

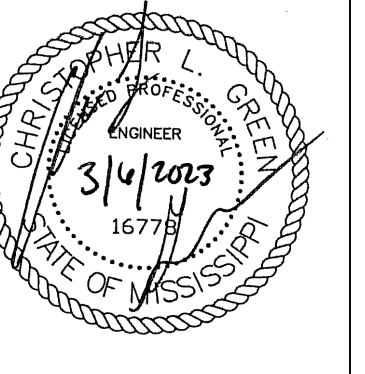
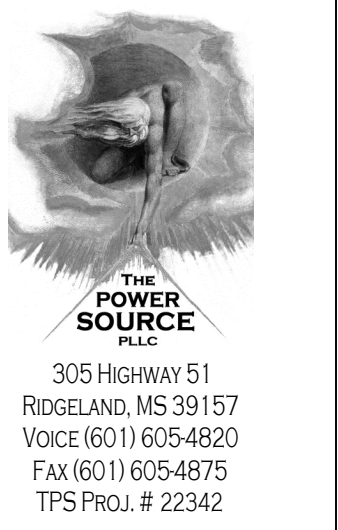


Table for Panel HA: ELECTRICAL ROOM, 480Y/277V, 3Ø, 4W. Includes columns for Circuit No., Breaker, Poles, Description, Phase Load (kVA), and Breaker Poles. Total AIC Rating: 35,000.

Table for Panel HB: ELECTRICAL ROOM, 480Y/277V, 3Ø, 4W. Includes columns for Circuit No., Breaker, Poles, Description, Phase Load (kVA), and Breaker Poles. Total AIC Rating: 22,000.

Table for Panel PA - SEC. 1: ELECTRICAL ROOM, 2Ø8Y/12ØV, 3Ø, 4W. Includes columns for Circuit No., Breaker, Poles, Description, Phase Load (kVA), and Breaker Poles. Total AIC Rating: 10,000.

Table for Panel PB: PRESS BOX, 2Ø8Y/12ØV, 3Ø, 4W. Includes columns for Circuit No., Breaker, Poles, Description, Phase Load (kVA), and Breaker Poles. Total AIC Rating: 10,000.

Table for Panel PA - SEC. 2: ELECTRICAL ROOM, 2Ø8Y/12ØV, 3Ø, 4W. Includes columns for Circuit No., Breaker, Poles, Description, Phase Load (kVA), and Breaker Poles. Total AIC Rating: 10,000.

Table for Panel BC: BATTING CAGE, 2Ø8/12ØV, 1Ø, 3W. Includes columns for Circuit No., Breaker, Poles, Description, Phase Load (kVA), and Breaker Poles. Total AIC Rating: 10,000.

Table for Panel GS: BATTING CAGE, 2Ø8/12ØV, 1Ø, 3W. Includes columns for Circuit No., Breaker, Poles, Description, Phase Load (kVA), and Breaker Poles. Total AIC Rating: 10,000.