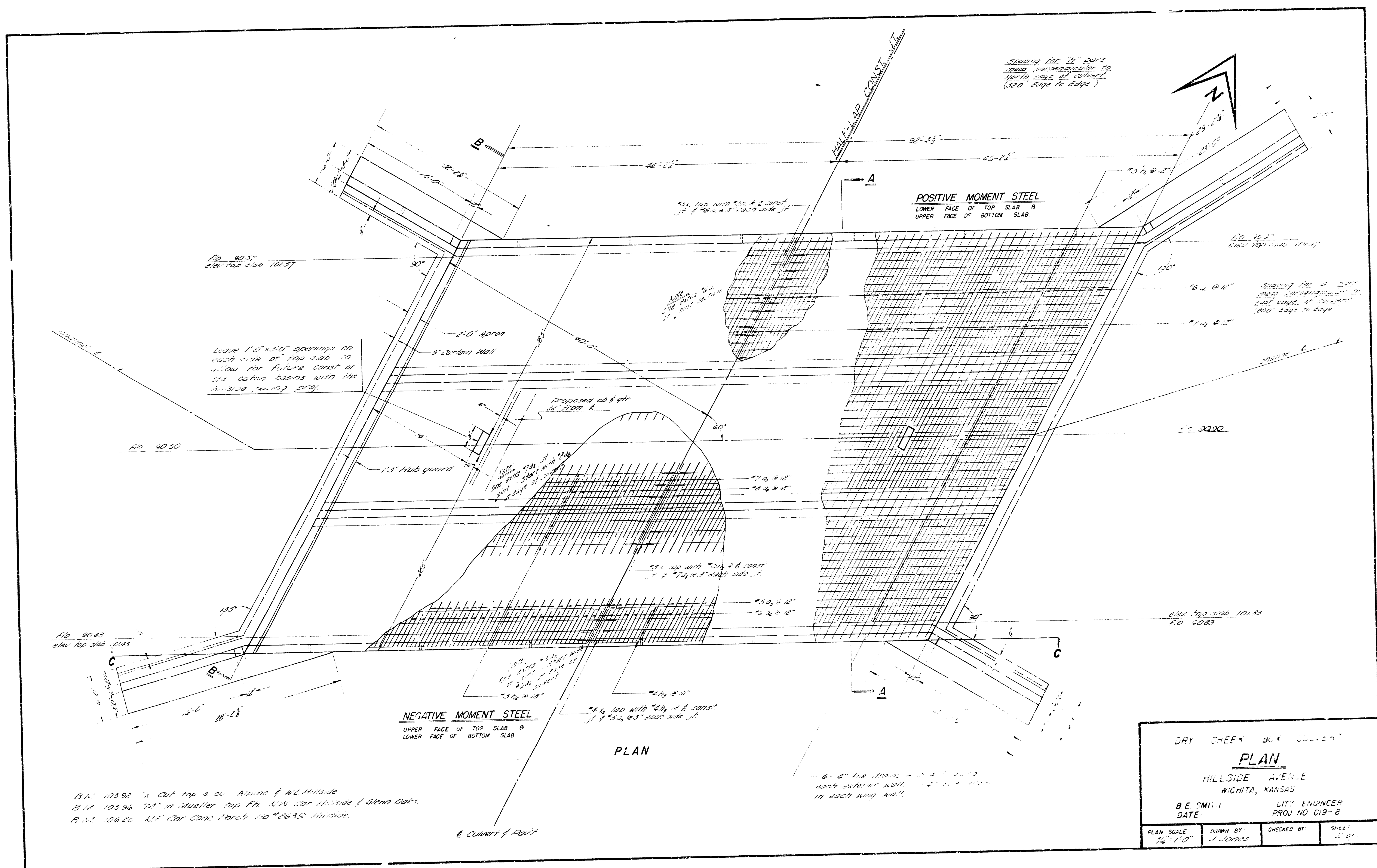




[illegible]

SCALE 1" = 4'

SCALE: 1" = 6"

SCALE: 1" = 5'

0'-6" West
2'-5" East

1'-0" North
15'-5" South

3'-8"

5'-0" sidewalk ledge
10' x 10' grate

5" depth

Slope 1/4" per 10'

210' c/s

10' West, 2'-5" East side

19-7/8"

SCALE: 1"=1'

DESIGN OF PARAPET FACE

Note: 4" sidewalk is not to be constructed as a part of this culvert project.

Technical drawing of a bridge deck cross-section. The drawing shows three large rectangular openings (voids) separated by vertical walls. Above the voids is a horizontal section labeled "9'-0\" equal spacing". To the right of the voids, there are two rows of smaller rectangular sections. The top row is labeled "4\" O.D. Pipe THIN WALL THICKNESS 7/8\"" and the bottom row is labeled "4\" O.D. Pipe THIN WALL THICKNESS 1/2\"". On the far right, there are two more rows of small rectangular sections, labeled "4\" x 6\" x 1/2\" DEPT SIDE" and "4\" x 6\" x 1/2\" DEPT SIDE". At the bottom left, there is a dimension line labeled "60' 0\"".

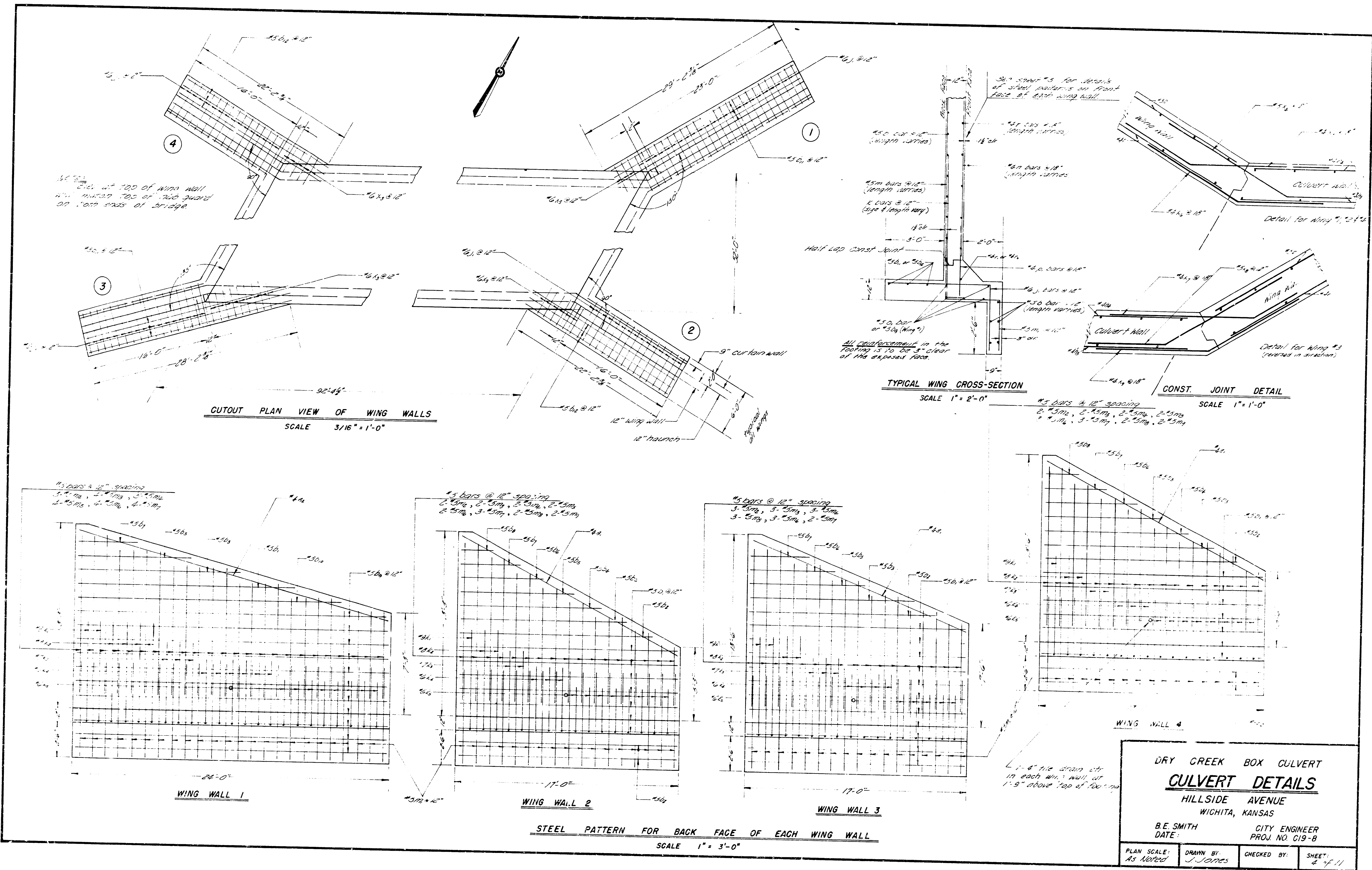
SCALE: 1" = 4'

GILBERT DETAILS

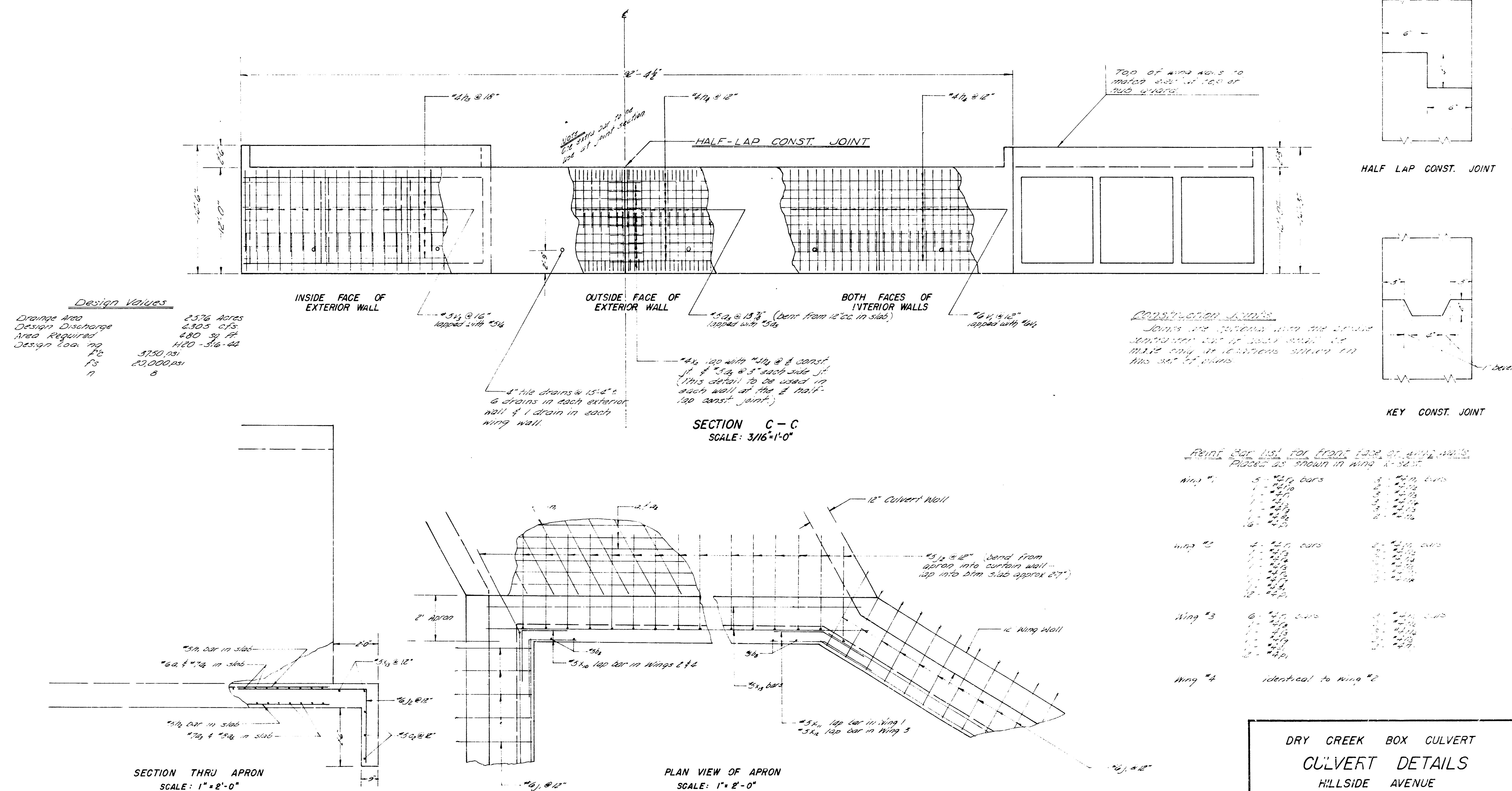
HILLSIDE AVENUE
WICHITA KANSAS

B.E. SMITH CITY ENGINEER
DATE: PROJ. NO. C19-8

PLAN SCALE: <i>As noted</i>	DRAWN BY <i>L JONES</i>	CHECKED BY:	SHEET: <i>3 of 11</i>
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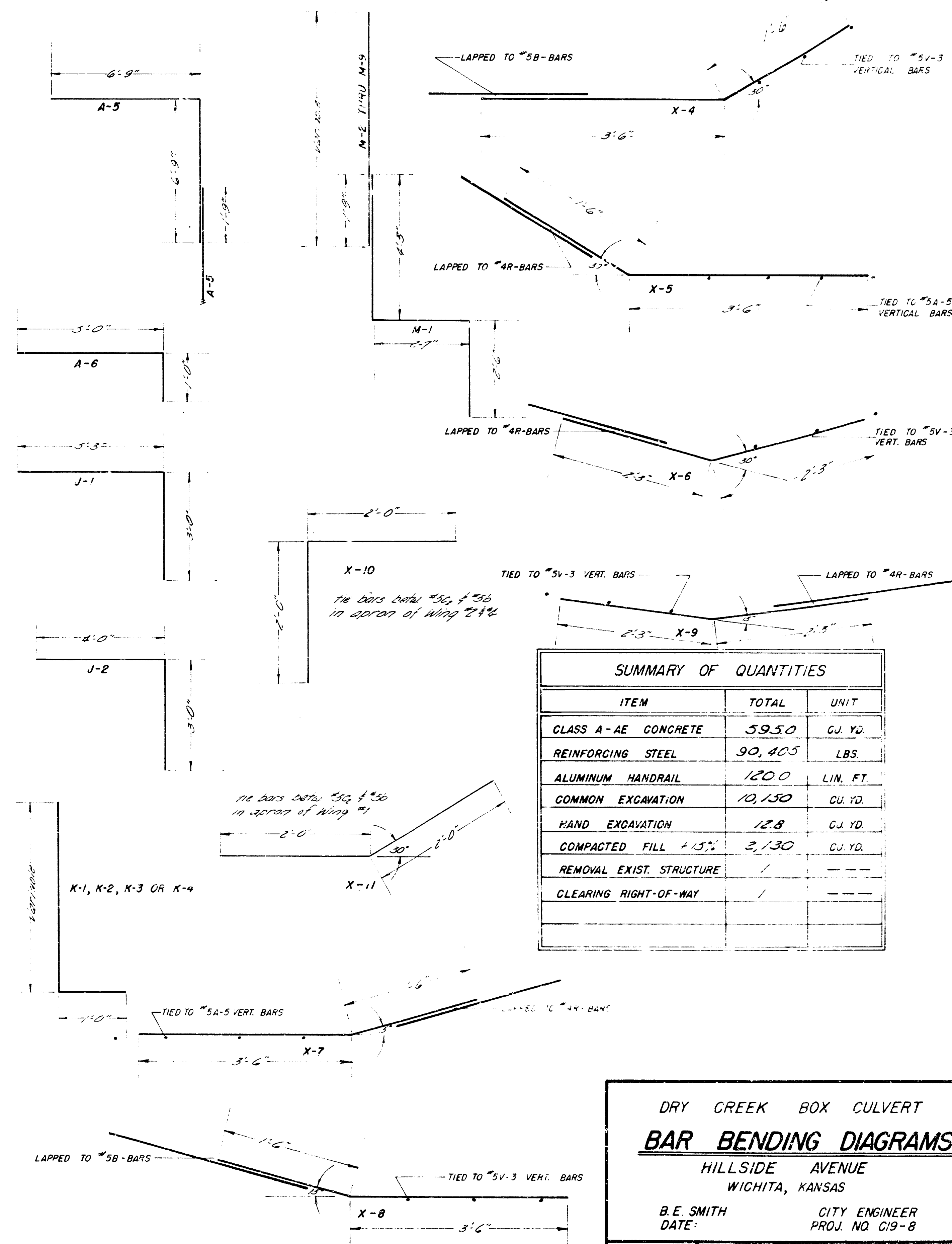
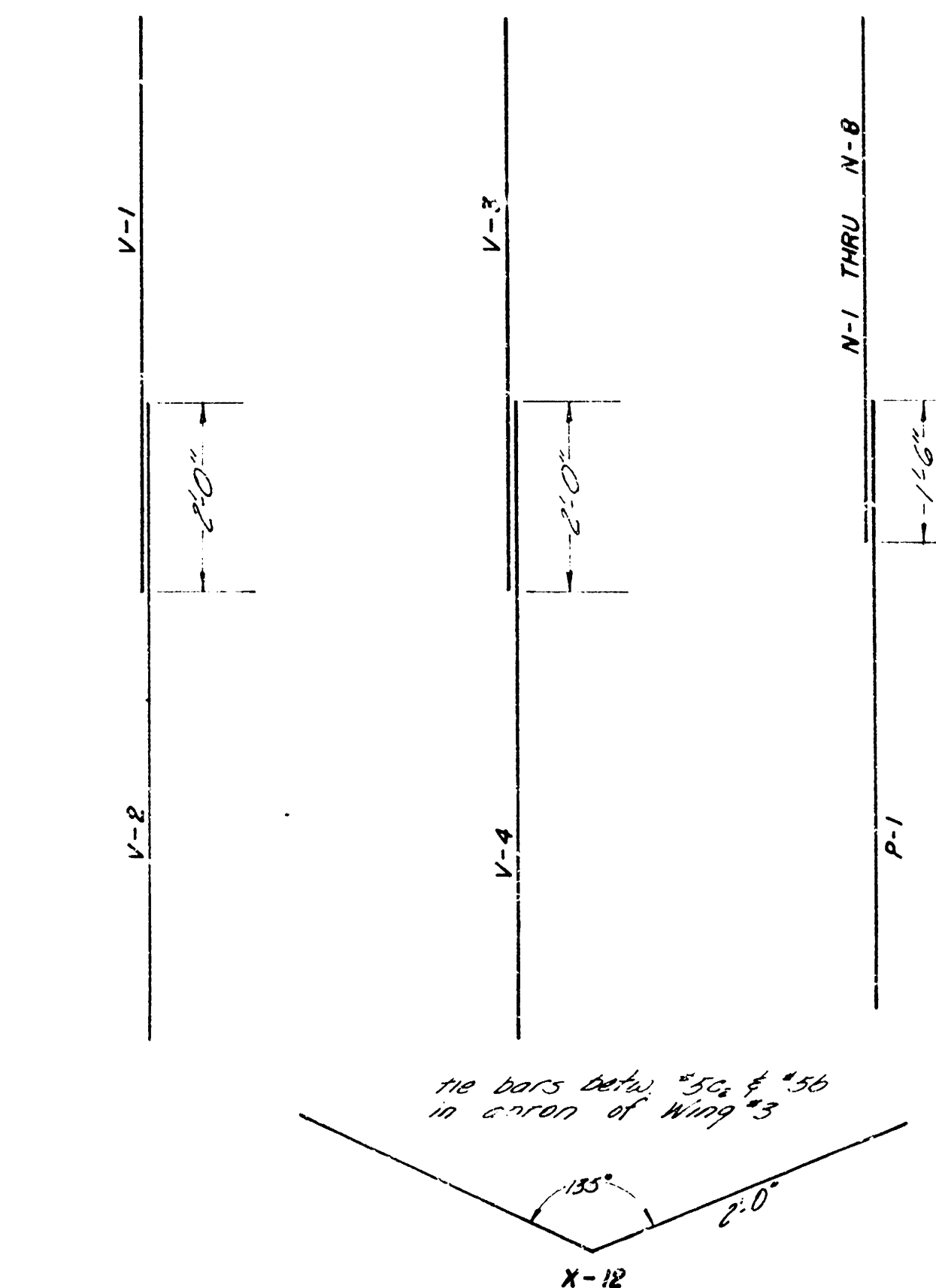
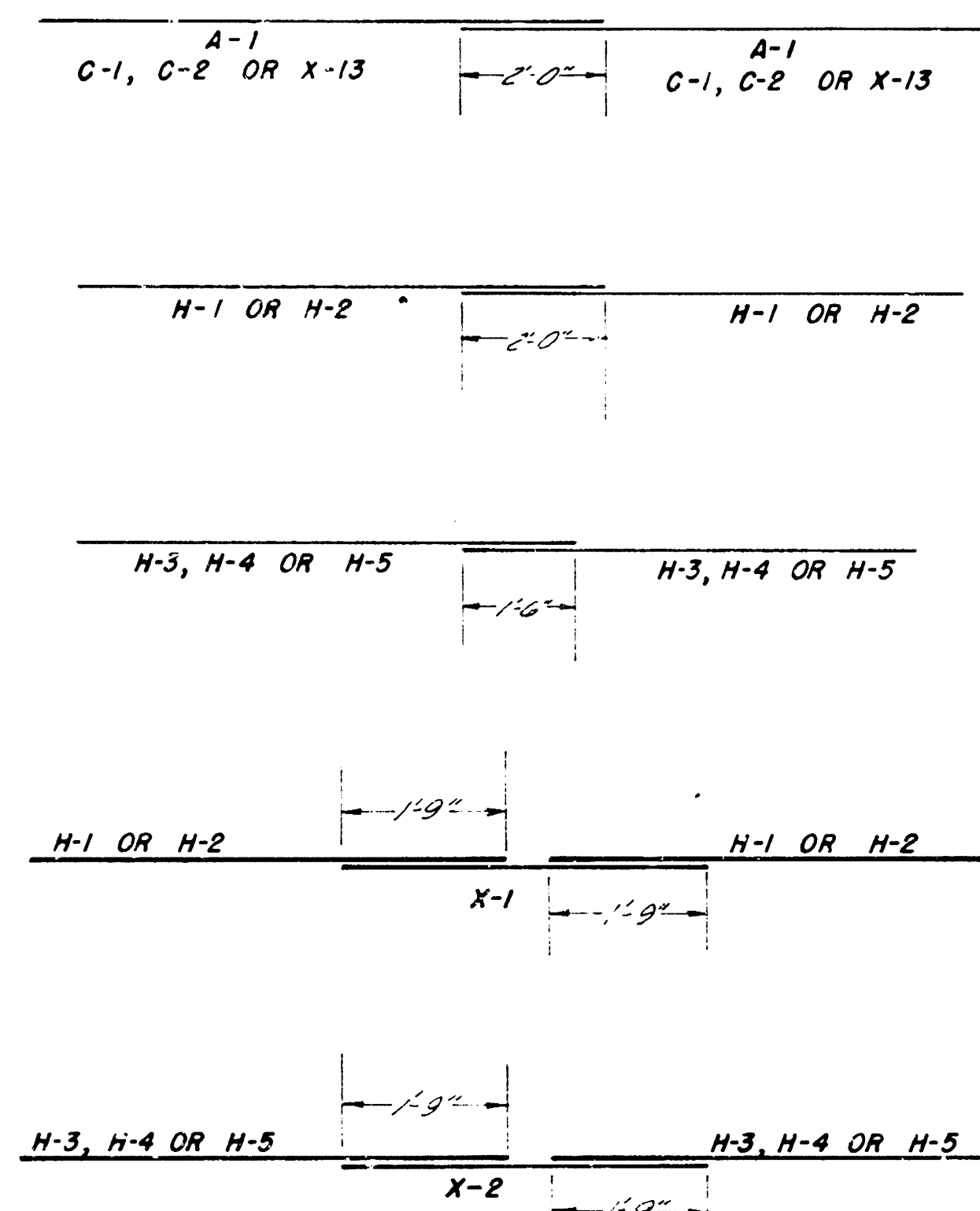
Note: Bevel all exposed edges with a $\frac{3}{4}$ " triangular molding, unless otherwise indicated.



DRY CREEK BOX CULVERT
CULVERT DETAILS
HILLSIDE AVENUE
WICHITA, KANSAS
B.E. SMITH CITY ENGINEER
DATE: PROJ. NO. C19-8

PLAN SCALE: <i>As Noted</i>	DRAWN BY: <i>J Jones</i>	CHECKED BY:	SHEET <i>5 of 5</i>
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BAR SCHEDULE						
BAR	SIZE	LOCATION	SPACING	LENGTH	NUMBER	WT
A-1	#6	SLAB	12" CC	30'-0"	324	5,010
A-2	#4	"	"	10'-0"	474	2,900
A-3	#4	"	"	10'-0"	320	1,840
A-4	#6	SLAB @ WALL	"	9'-0"	320	5,177
A-5	#6	"	"	13'-0"	320	4,564
A-6	#6	"	"	12'-0"	320	2,606
B-1	#5	WING WALL	"	16'-6"	38	554
B-2	#5	"	"	14'-9"	13	200
B-3	#5	"	"	12'-6"	4	52
B-4	#5	"	"	10'-9"	2	22
B-5	#5	"	"	8'-6"	4	35
B-6	#5	"	"	6'-9"	3	21
B-7	#5	"	"	4'-6"	4	12
B-8	#5	"	"	2'-9"	10	29
B-9	#5	"	"	2'-6"	17	47
B-10	#5	"	"	20'-0"	1	21
B-11	#5	"	"	20'-0"	6	175
B-12	#5	"	"	20'-0"	6	175
C-1	#6	HUB GUARD	12" @ 11"	30'-10"	24	494
C-2	#6	CURTAIN WALL	12" CC	28'-6"	12	327
E-1	#4	WING WALL	"	16'-0"	6	12
E-2	#4	"	"	24'-0"	2	32
N-1	#5	SLAB	12" CC	23'-11"	330	5,302
N-2	#5	"	"	23'-11"	112	2,794
N-3	#5	"	"	18'-0"	64	1,012
N-4	#5	CULVERT WALL	12" CC	23'-8"	240	3,794
N-5	#5	"	"	18'-0"	56	885
J-1	#6	WING WALL	12" CC	8'-9"	73	905
J-2	#5	CURTAIN WALL	"	7'-0"	116	847
K-1	#5	WING WALL	"	8'-0"	6	63
K-2	#5	"	"	6'-9"	10	138
K-3	#5	"	"	6'-9"	10	138
K-4	#5	"	"	6'-9"	10	138
K-5	#5	"	"	3'-3"	29	142
M-1	#5	"	"	9'-4"	75	730
M-2	#5	"	"	11'-6"	10	120
M-3	#5	"	"	10'-6"	11	120
M-4	#5	"	"	9'-3"	12	116
M-5	#5	"	"	6'-3"	11	83
M-6	#5	"	"	7'-3"	11	83
M-7	#5	"	"	6'-3"	12	78
M-8	#5	"	"	5'-1"	9	22
M-9	#5	"	"	4'-3"	4	18
N-1	#6	"	18" CC	11'-3"	10	75
N-2	#5	"	"	10'-3"	8	55
N-3	#5	"	"	9'-3"	3	19
N-4	#5	"	"	8'-0"	10	53
V-1	#5	"	"	7'-0"	9	42
N-6	#5	"	"	6'-3"	2	8
N-7	#5	"	"	5'-6"	5	22
N-8	#5	"	"	4'-3"	3	11
B-1	#4	"	"	3'-6"	22	127
B-2	#4	"	"	16'-6"	15	165
B-3	#4	"	"	23'-6"	5	78
B-4	#4	"	"	24'-6"	2	19
B-5	#4	"	"	11'-3"	2	15
B-6	#4	"	"	5'-6"	2	7
B-7	#4	"	"	8'-0"	4	21
B-8	#4	"	"	2'-6"	2	3
B-9	#4	"	"	2'-6"	1	8
B-10	#4	"	"	2'-9"	1	6
F-1	#6	HUB GUARD	12" CC	3'-11"	180	311
F-2	#6	"	"	3'-6"	120	284
V-1	#6	CULVERT WALL	"	9'-3"	376	5,224
V-2	#5	"	16" CC	4'-3"	376	2,400
V-3	#5	"	"	9'-3"	142	1,570
V-4	#5	"	"	2'-3"	142	629
X-1	#5	SLAB	12" @ 18"	4'-0"	112	467
X-2	#5	SLAB @ WALL	"	4'-0"	90	240
X-3	#5	WING WALL	12" CC	3'-6"	23	121
X-4	#5	"	"	2'-0"	39	203
X-5	#5	"	"	2'-0"	30	90
X-6	#5	"	"	4'-6"	27	81
X-7	#5	"	"	5'-0"	9	20
X-8	#5	"	"	5'-0"	13	28
X-9	#5	"	"	4'-6"	9	27
X-10	#5	CURTAIN WALL	12" CC	4'-0"	14	58
X-11	#5	"	"	4'-0"	7	28
X-12	#5	"	"	4'-0"	5	19
X-13	#5	"	"	30'-10"	8	247



SUMMARY OF QUANTITIES		
ITEM	TOTAL	UNIT
CLASS A-AE CONCRETE	59,50	CU. YD.
REINFORCING STEEL	90,405	LBS.
ALUMINUM HANDRAIL	1200	LIN. FT.
COMMON EXCAVATION	10,130	CU. YD.
HAND EXCAVATION	128	CU. YD.
COMPACTED FILL + 15%	2,130	CU. YD.
REMOVAL EXIST. STRUCTURE	1	---
CLEARING RIGHT-OF-WAY	1	---

DRY CREEK BOX CULVERT
BAR BENDING DIAGRAMS
 HILLSIDE AVENUE
 WICHITA, KANSAS
 B.E. SMITH CITY ENGINEER
 DATE: PROJ. NO. C19-8
 PLAN SCALE: 1/8" = 1'-0" DRAWN BY: J.C. 2/55 CHECKED BY: SHEET: 6 of 11

