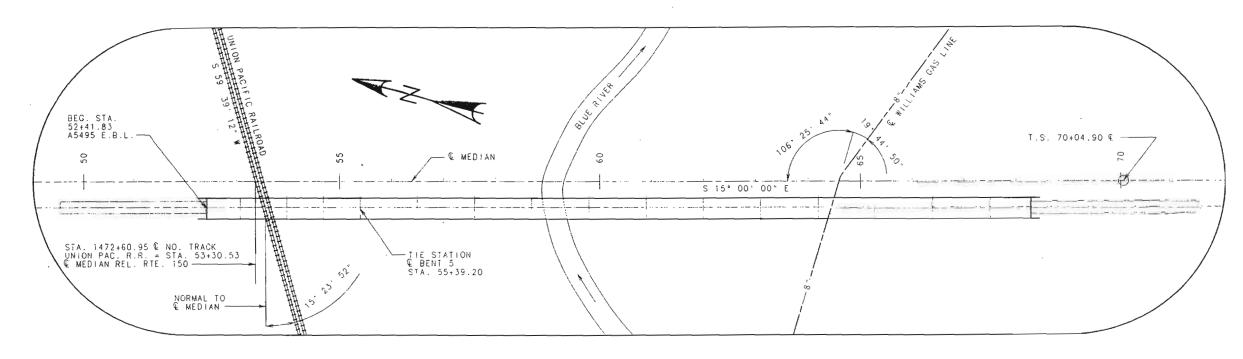
MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

STATE	PROJ. NO.	,	SHEET NO.
MO.			7
SEC.	/SUR.29/30 TWP. 47	RĢE	. 33

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DETAILS OF DIAPHRAGM AT END BENT NO. 17
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 11
      LOCATION SKETCH & INDEX OF DRAWINGS
                                                                                                                                                                        DETAILS OF STEEL INTERMEDIATE DIAPHRAGMS
       PART PLAN AND PART ELEVATION
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 11
                                                                                       DETAILS OF INTERMEDIATE BENT NO. 12
                                                                                                                                                                  65.
                                                                                                                                                                        DETAILS OF FINGER PLATE EXPANSION DEVICE AT BENTS 5 & 11
       PART PLAN AND PART ELEVATION
                                                                                       DETAILS OF INTERMEDIATE BENT NO. 12
                                                                                                                                                                        DETAILS OF FLAT PLATE EXPANSION DEVICE AT END BENT NO. 17
                                                                                                                                                                 66
       PART PLAN AND PART ELEVATION
                                                                                                                                                                        PLAN OF SLAB REINFORCEMENT
       PART PLAN AND PART ELEVATION
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 13
                                                                                                                                                                 6.7
       PART PLAN AND PART ELEVATION
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 13
                                                                                                                                                                  68.
                                                                                                                                                                        PLAN OF SLAB REINFORCEMENT
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 14
                                                                                                                                                                        PLAN OF SLAB REINFORCEMENT
       GENERAL NOTES-QUANTITIES-PILE & FOOTING TABLE-HYDROLOGIC DATA TABLE
                                                                                                                                                                        PRECAST PRESTRESSED PANELS
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 14
       BORING DATA
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 15
                                                                                                                                                                         CAMBER DIAGHRAM & SLAB POURING SEQUENCE
                                                                                                                                                                 71.
       BORING DATA
                                                                                 40.
                                                                                                                                                                         THEORETICAL SLAB HAUNCHING DIAGHRAM
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 15
                                                                                                                                                                  72
       VERTICAL DRAINS AT END BENTS
                                                                                41.
                                                                                                                                                                         THEORETICAL BOTTOM OF SLAB ELEVATIONS
       DETAILS OF DEADMAN ANCHORAGE SYSTEM
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 16
                                                                                                                                                                  73.
11.
       DETAILS OF END BENT NO. 1
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 16
                                                                                                                                                                  74
                                                                                                                                                                         THEORETICAL BOTTOM OF SLAB ELEVATIONS
12.
      DETAILS OF END BENT NO. 1
                                                                                        DETAILS OF END BENT NO. 17
                                                                                                                                                                         DETAILS OF SLAB DRAINS
                                                                                                                                                                  75.
13.
                                                                                                                                                                         DETAILS OF SLAB DRAINS
       DETAILS OF INTERMEDIATE BENT NO. 2
                                                                                 45
                                                                                        DETAILS OF END BENT NO. 17
                                                                                                                                                                  76.
14.
                                                                                        DETAILS OF END BENT NO. 17
                                                                                                                                                                  77.
                                                                                                                                                                         DETAILS OF SLAB DRAINS
15.
       DETAILS OF INTERMEDIATE BENT NO. 2
                                                                                46
                                                                                                                                                                         DETAILS OF SAFETY BARRIER CURB AT END BENT NO. 1 AND END BENT NO. 17.
                                                                                        DETAILS OF LAMINATED NEOPRENE BEARING PAD
       DETAILS OF INTERMEDIATE BENT NO. 3
                                                                                47
                                                                                                                                                                  78.
                                                                                                                                                                         DETAILS OF SAFETY BARRIER CURB - SECTION NEAR LEFT BARRIER CURB
       DETAILS OF INTERMEDIATE BENT NO. 3
                                                                                48.
                                                                                        DETAILS OF TYPE "N" PTFE BEARING PAD
                                                                                                                                                                  79
17.
18.
       DETAILS OF INTERMEDIATE BENT NO. 4
                                                                                        DETAILS OF GIRDERS - SPAN (1-2)
                                                                                                                                                                         OPTIONAL SLIP-FORM BRIDGE SAFETY BARRIER CURB
      DETAILS OF INTERMEDIATE BENT NO. 4
                                                                                50.
                                                                                        DETAILS OF GIRDERS - SPAN (2-3)
                                                                                                                                                                  81
                                                                                                                                                                         DETAILS OF SPLASH PROTECTION SHIELD
19.
                                                                                        DETAILS OF GIRDERS - SPAN (3-4)
                                                                                                                                                                         APPROACH SLAB AT END BENT NO. 1
                                                                                                                                                                  8.2
       DETAILS OF INTERMEDIATE BENT NO. 5
                                                                                5.1
20.
                                                                                                                                                                         APPROACH SLAE AT END BENT NO. 17
                                                                                        DETAILS OF GIRDERS - SPAN (4-5)
                                                                                                                                                                  83.
       DETAILS OF INTERMEDIATE BENT NO. 5
22.
       DETAILS OF INTERMEDIATE BENT NO. 6
                                                                                        DETAILS OF GIRDERS - SPAN (5-6)
                                                                                                                                                                  84
                                                                                                                                                                         BAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 6
                                                                                        DETAILS OF GIRDERS - SPANS (6-7), (7-8), (8-9) & (9-10)
                                                                                                                                                                         BAR BILL
23.
       DETAILS OF INTERMEDIATE BENT NO. 7
                                                                                        DETAILS OF GIRDERS - SPAN (10-11)
                                                                                                                                                                  86.
                                                                                                                                                                         BAR BILL
24.
                                                                                                                                                                         BAR BILL
                                                                                        DETAILS OF GIRDERS - SPAN (11-12)
                                                                                                                                                                  87
25.
       DETAILS OF INTERMEDIATE BENT NO. 7
                                                                                                                                                                         BAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 8
                                                                                        DETAILS OF GIRDERS - SPANS (12-13), (13-14), (14-15) & (15-16)
                                                                                                                                                                  88
27.
       DETAILS OF INTERMEDIATE BENT NO. 8
                                                                                        DETAILS OF GIRDERS - SPAN (16-17)
                                                                                                                                                                  89
                                                                                                                                                                         BAR B!LL
                                                                                        DETAILS OF DIAPHRAGM AT INTERMEDIATE BENTS NO. 2, 4, 6, 10, 12 & 16
                                                                                                                                                                         BAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 9
28.
      DETAILS OF INTERMEDIATE BENT NO. 9
                                                                                        DETAILS OF DIAPHRAGM AT INTERMEDIATE BENTS NO. 3, 7, 8, 9, 13, 14 & 15
                                                                                                                                                                         BAR BILL
29.
                                                                                                                                                                 9.1
                                                                                                                                                                         "AS BUILT PILE" DATA
       DETAILS OF INTERMEDIATE BENT NO. 10
                                                                                61.
                                                                                        DETAILS OF DIAPHRAGM AT INTERMEDIATE BENT NO. 5
                                                                                                                                                                  92.
                                                                                                                                                                        "AS BU!LT PILE" DATA
       DETAILS OF INTERMEDIATE BENT NO. 10
                                                                                        DETAILS OF DIAPHRAGM AT INTERMEDIATE BENT NO. 11
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LOCATION SKETCH

BM#1501 - ELEV. 866.16 1006 SP;KE, N.W. FACE R.R. TELEGRAPH POLE, 200 R/O STA. 53+30± & RELOCATED RTE. 150.

BRIDGE OVER BLUE RIVER & UNION PACIFIC RAILROAD

STATE ROAD FROM RTE. 71 TO KANSAS STATE LINE ABOUT 0.7 MI. S.E. OF KANSAS STATE LINE PROJECT NO. STA. 55+39.20

JOB NO. J4U1011C

RTE.150 E.B.L. COUNTY

JACKSON



STD. 609.00 STD. 706.35

DESIGNED JULY 1996 DETAILED JAN. 1998 CHECKED MAR. 1998

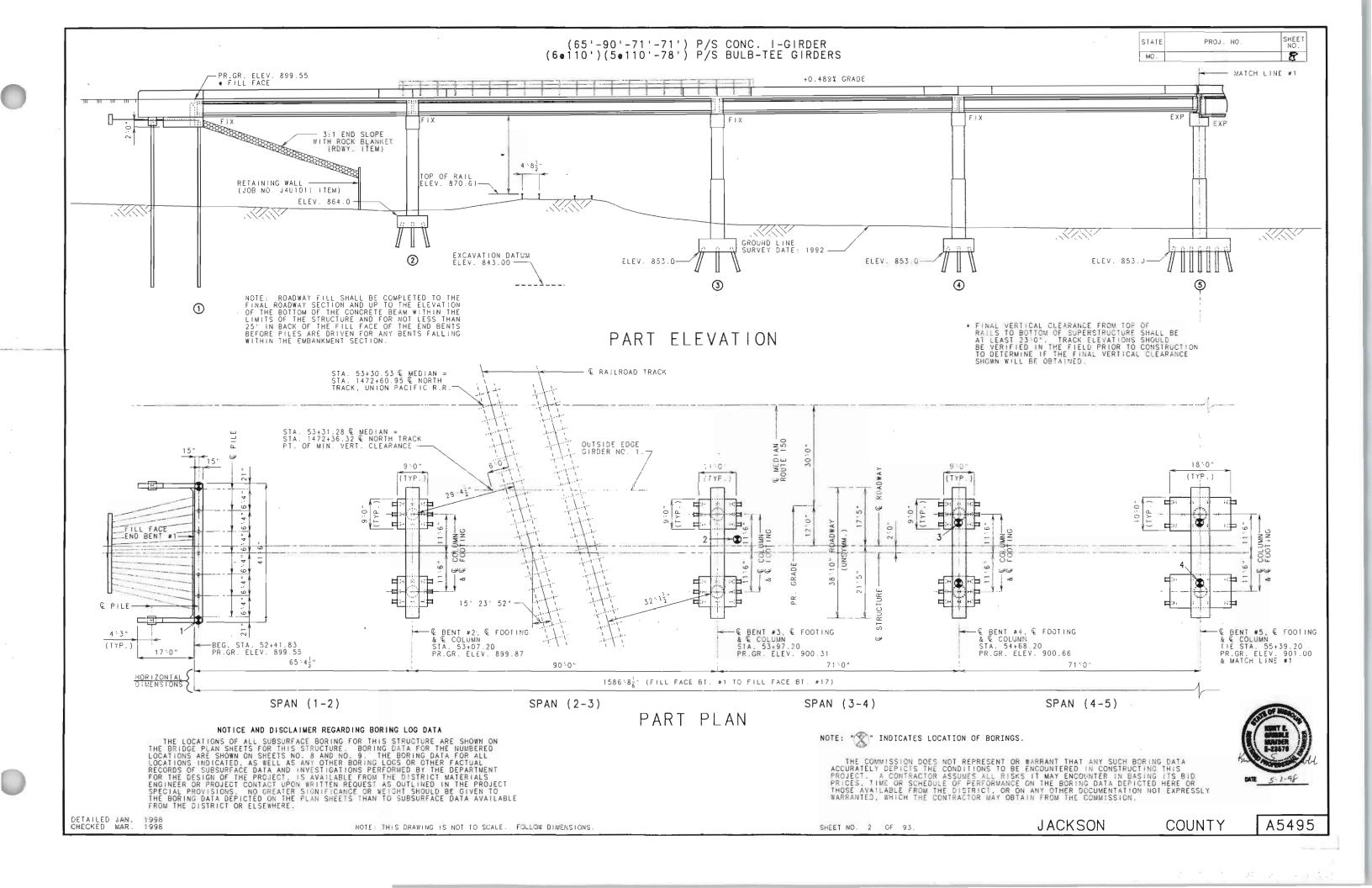
WARNING! PETROLEUM PRODUCTS PIPELINE!

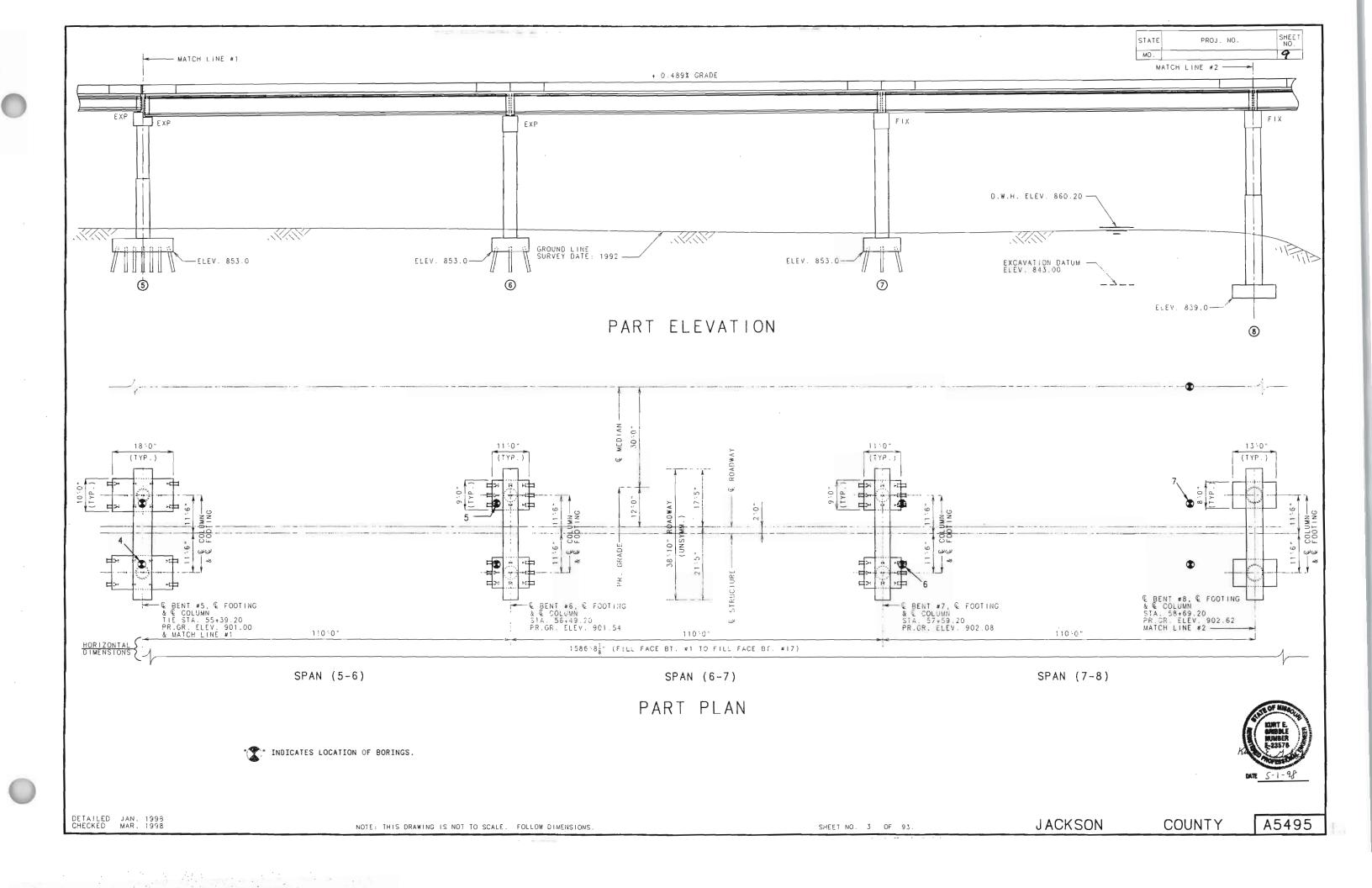
AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION CONTACT WILLIAMS PIPE LINE COMPANY AT 8001 COLLEGE BLVD., SUITE 200 OVERLAND PARK, KS 66210 (913) 663-9331

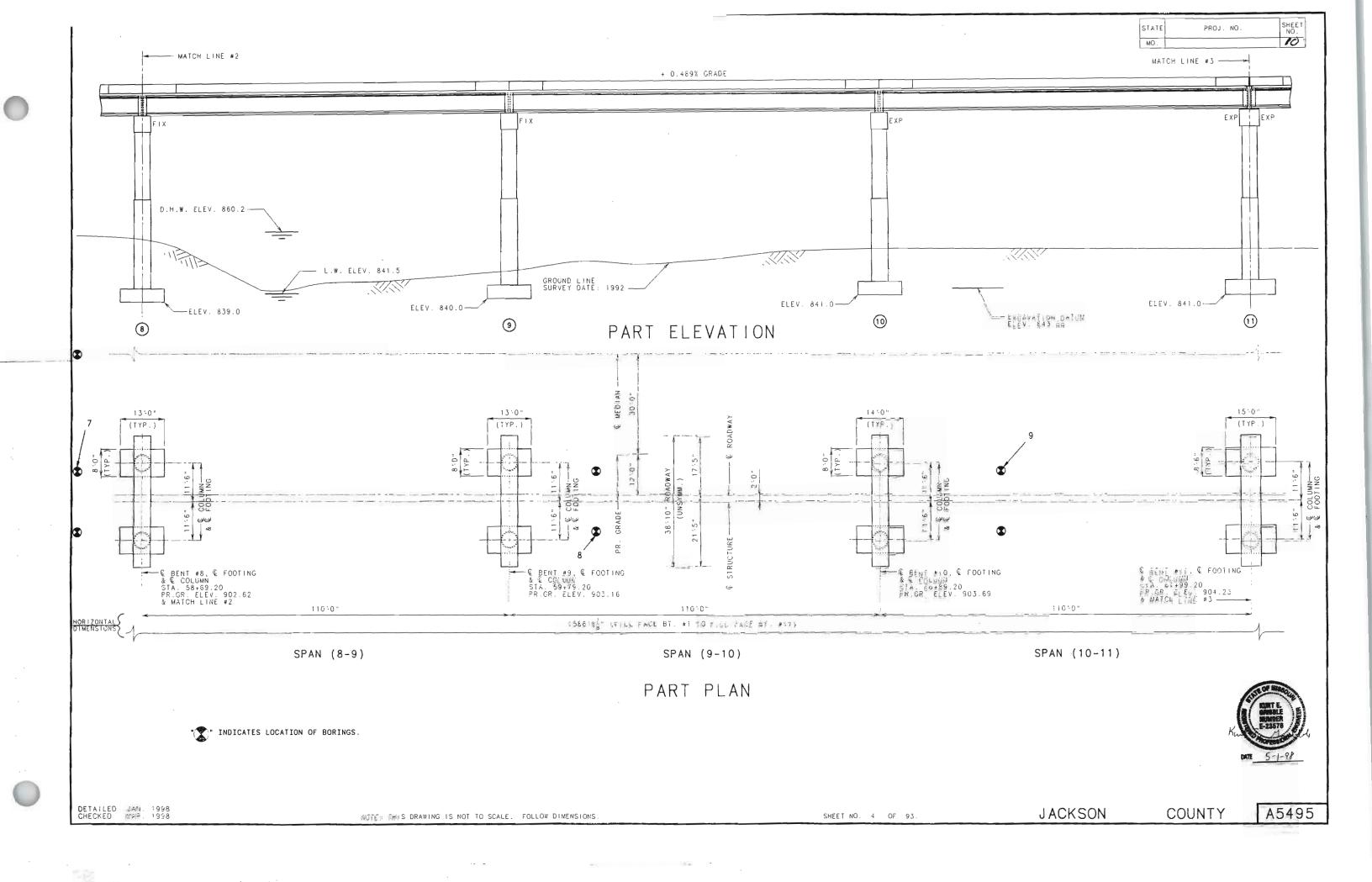
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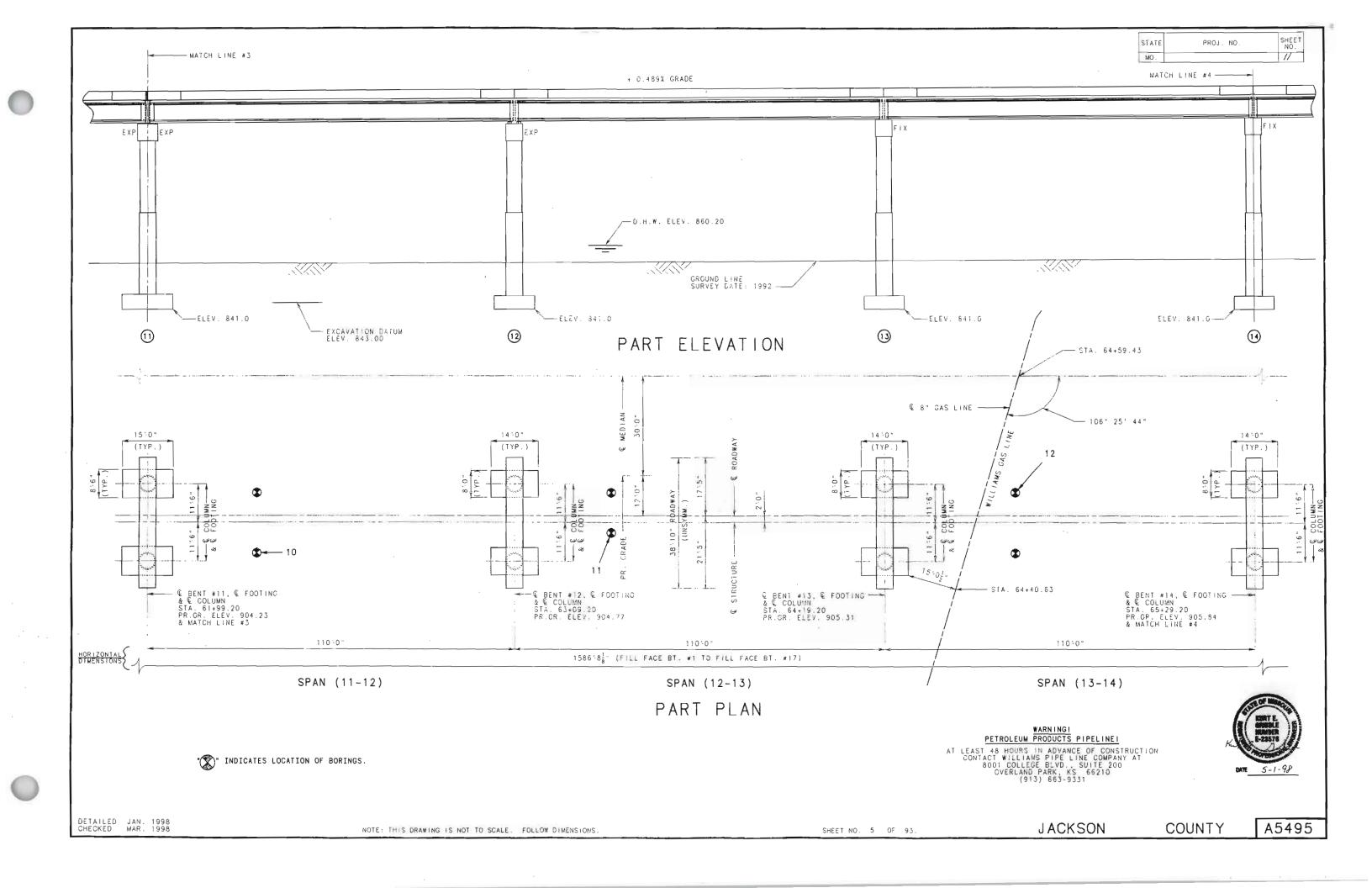
SHEET NO. 1 OF 93.

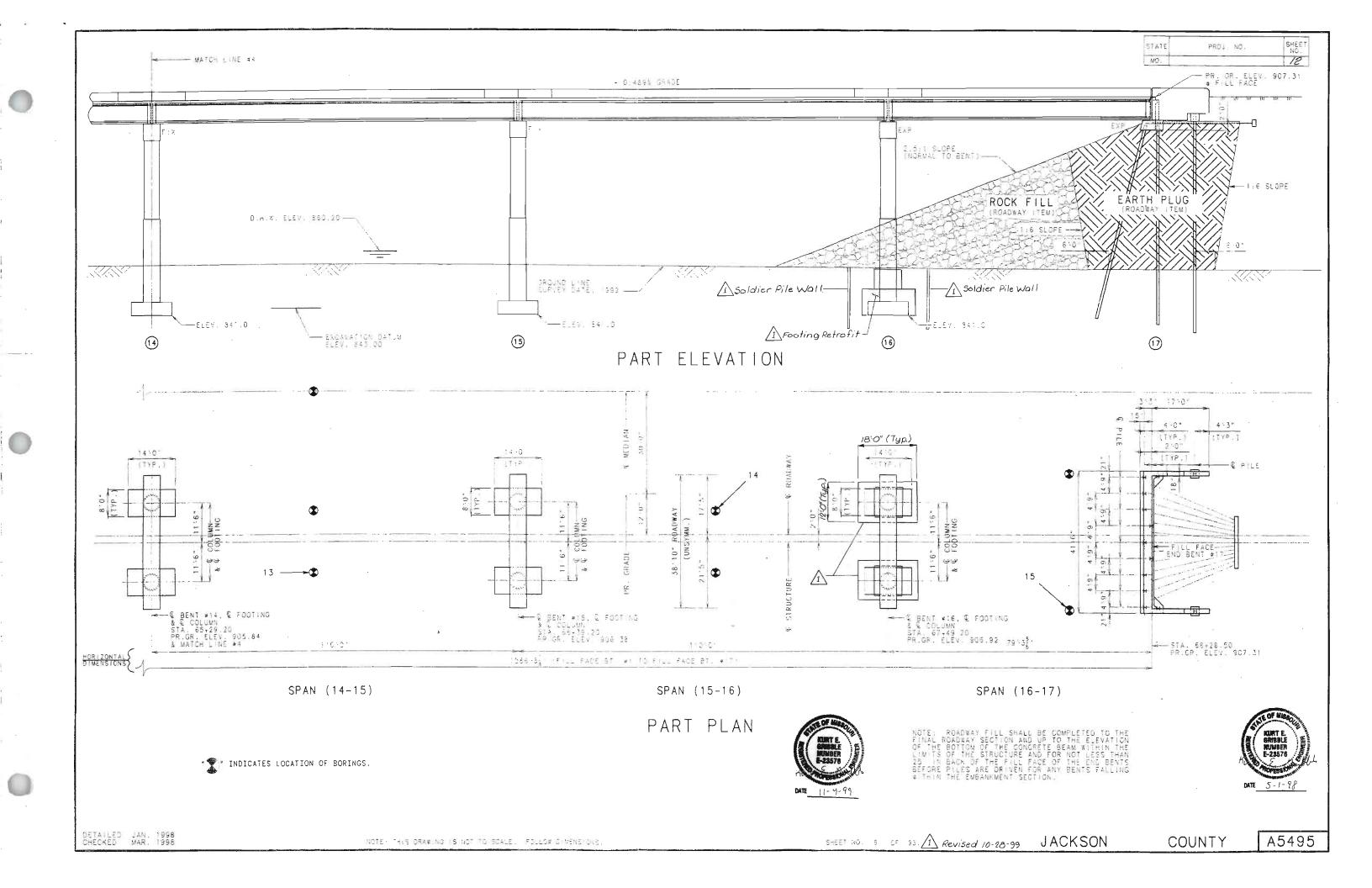
DATE 5/14/98











GENERAL NOTES:

DESIGN SPECIFICATIONS:

AASHTO-1996 LOAD FACTOR DESIGN SEISMIC PERFORMANCE CATEGORY A

DESIGN LOADING:
H020 MODIFIED
35#/SQ. FI. FUTURE WEARING SURFACE
MILITARY 24,000# TANDEM AXLE
EARTH 120#/CU. FI. EQUIVALENT FLUID PRESSURE Bent No. 1 =
61.9#/CU. FI. Bent No. 17 = 45#/CU. FI.
SUPERSTRUCTURE: SIMPLY-SUPPORTED, NON-COMPOSITE FOR DEAD LOAD.
CONTINUOUS EGMPOSITE FOR LIVE LOAD.

DESIGN UNIT STRESSES:

GLASS B CONCRETE (SUBSTRUCTURE) F'C=3 DOU PSI.

CLASS B: CONCRETE (SAFETY BARRIER CURE! F'C=4,000 PSI.

CLASS B: CONCRETE (SUPERSTRUCTURE, EXCEPT PRESTRESSED GIRDERS AND SAFETY BARRIER CURB) F'C=4,000 PSI.

REINFORCING STEEL (GRADE 60) FY=6C.000 PSI.

STEEL PILE (ASTM A709 GRADE 36)FB = 9000 PSI.

FY = 36000 PSI.

FOR PRESTRESSED DIRDER STRESSES, SEE SHEETS NO. 49 THRU 58: FOR PRECAST PRESTRESSED PANEL STRESSES, SEE SHEET NO. 70.

REINFORCING STEEL:

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1-1/2". UNLESS
OTHERWISE SHOWN.

ALL REINFORCING BARS IN TOPS OF SUBSTRUCTURE BEAMS OR CAPS SHALL
BE SPACED TO CLEAR ANCHOR BOLT WELLS FOR BEAMINGS BY AT LEAST 1/2".

JOINT FILLER:
ALL JOINT FILLER SHALL MEET THE REQUIREMENTS OF STO. SEEC. 1857.0.4.
EXCEPT AS NOTED.

NEOPRENE BEARINGS:
BEARINGS SHALL BE BO DUROMETER NECPRENE FADS.
THE MEOPRENE PAD SHALL BE BONDEC TO THE BEARING SEAT WITH AN EPCAY ADRESTURE AS APPROVED BY THE BEARING MANUFACTURER FOR BONDING NEOPRENE TO CONCRETE.

MISCELLANEOUS:

DETAILED JAN. 1998 CHECKED MAR. 1998

LANEOUS:
A MINIMUM VERTICAL CLEARANCE OF 2116 FROM TOP OF RAILS AND A MINIMUM LATERAL CLEARANCE OF 15-0 FROM THE DENTERLINE OF TRACK TO NEAREST TEMPORARY CONSTRUCTION FALSEWORK SHALL BE MAINTAINED DURING CONSTRUCTION.

HIGH STRENGTH BOLTS, NUTS AND WASHERS WILL BE SAMPLED FOR QUALITY ASSURANCE AS SPECIFIED IN STANDARD SPECIFICATION 108 AND FIELD SECTION (FS-712) FROM MATERIALS WANUAL.

ITEM		SUBSTR.	SUPERSTR.	TOTAL
CLASS I EXCAVATION	CU. YD.	20.75		2075
GLASS 2 EXCAVATION	CU. YD.	288		288
COFFERDAMS (BENT 8)	LUMP SUM	†		11
CUFFERDAMS (BENT 9)	LUMP SUM	1		1
BRIDGE APPROACH SLAB (BRIDGE)	SQ. YD.		219	219
STRUCTURAL BYEEL PILES (101)	LIG. FT.	2308		2308
STRUCTURAL STEEL PILES (12")	LIN. FT.	54.0		540
PRE-BORE FOR PILLING	LIN. FT.	770		770
CLASS B CONCRETE (SUESTR.)	CU. NO.	(1800.0)		1800.0
DEADMAN ANCHORAGE ASSEMBLY	EACH	2		- 2
PROTECTIVE COATING-CONCRETE BENTS (DELETERIOUS AGENTS)	LUMP SUM			1
SLAB CN CONCRETE 1-GIRSER	SO FD.		1368	1388
SAFETH BARRIEF CUPB	LINI FI		3240	3240
SLAS IN CONCRETE BULB-TEE GIRDER	SQ. YD.		5931	5951
PLAIN NECTRENE BEAFING PAG	EACH		5	5
LAMINATES RESPRENE BEARING PAGS	EACH		93	90
LAMINATED RESPRENE BEARING PAL PAS STAUCTURE.	EACH		4.5	45
TYPE N PIFE BEARINGS	EACH		20	20
PRESTRESSED CONCRETE - DIROCK 65-U	tach		:	5
PRESTRESSED CONCRETE 1-5 ADER 131-0")	EACH		1.0	1.0
PRESTRESSED SONCRETE NO ROCK 19310	EACH		5	5
PRESTRESSED CONCRETE BULB-TEE GIFCER (1810)	EACH		5	5
PRESTRESSED CONCRETE BULB-TEE CHADER \$150-6 1	EACH		55	55
REINFORCING STEEL (BRIDGES)	48.	(252,330)		252.33
REINFORCING STEEL (EPOAY COATES)	LB.	24.780		23.78
EXPANSION CEVICE (FINGER PLATE)	LIN, FT.		78	78
EXPANSION DEVICE (FLAT PLATE)	EIN. FIL		39	39
SLAB DRAIN	EACH		244	244
VERTICAL DRAIN AT END BENTS	EACH			2
SPLASH PROTECTION SHIELD	LUMP SUM			T
Resin Anchor Systems	Each	536		536
Pressure Grouting - Epoxy	LunpSun			1

SHEET NO. STATE 13

-1916.3

ESTIMATED QUANT FOR SLAB ON CONCRETE		
ITEM		TOTAL
REINFORCING STEEL (PLAIN)	LBS.	5090
REINFORCING STEEL (EFOXY COATED)	LBS.	97.510
CONCRETE	CU. YOS.	335.0

FOR				ANTITIES BULB-TEE GI	RDER
			ITEM		TOTAL
REINFORLING	STEEL	PLAIN	1	LBS.	11.760
REINFORCING	STEEL	(EPCXY	COATEDI	uBS:	405,470
CONCRETE	21071122		AND STATE	CU. YD	9 1467 2

NOTE: THE TABLE OF ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-GIRDER AND SLAB ON BULB-TEE GIRDER REPRESENTS THE QUANTITIES USED BY THE STATE IN PREPARING THE COST ESTIMATE FOR CONCRETE SLABS. VARIATIONS MAY BE ENCOUNTERED IN THESE ESTIMATED QUANTITIES BUT THESE VARIATIONS CANNOT BE USED FOR AN ADJUSTMENT IN THE CONTRACT UNIT PRICE PER SQUARE YARD OF SLAB ON CONCRETE I-GIRDER AND SLAB ON CONCRETE BULB-TEE GIRDER.

* BASED ON MINIMUM TOP FLANGE THICKNESS AND MINIMUM JOINT FILLER THICKNESS.

THE PRESTRESSED PANEL QUANTITIES ARE NOT INCLUDED IN THE TABLE OF ESTIMATED QUANTITIES FOR SLAB ON CONCRETE 1-GIRDER OR SLAB ON CONCRETE BULB-TEE GIRDER.

1 263,490

		(1)(1)(1)			OTING D						
	BENT NO.	1 (WING)	1 (BEAM)	2	3	4	5	6	7	8	9
	PILE TYPE AND SIZE	HP10x42	HF10x42	HP10x42	HP10x42	5-10x42	EP15x42	HF112x53	HF12x53	-	
	NUMBER	2	2	1.9	1.8	18	Ve.	3	18	2	-
PILE	APPROXIMATE LENGTH FT.	5.0	50	15	1/2	16	15	15	1.5		-
	DESIGN BEARING TONS	29	55	55	5.6	52	18.5	7.0	ī ā i	-	-
	HAMMER ENERGY REQUIRED FILBS.	7000	12300	11800	3200	2300	13200	15800	15800		
SPREAD	FOUNDATION MATERIAL	- 2			-	100		-	-	ROCK	ROCK
SPREAD ODT INGS	DESIGN BEARING TONS/SQ. FT.	-	~		-	-	-	-	-	8::0	7.6

	BENT NO.	10	11	12	13	14	15	16	17 (BEAM)	17 (WING)	
	PILE TYPE AND SIZE			H	-	-	-	-	HP10x42	HP10x42	
	NUMBER	(2.1	1=		The second second	-	-		3.1	2	
BEARING PILE	APPROXIMATE LENGTH FT.	-		-	-		2	-	5.5	65	
A Chie	DESIGN BEARING TONS		-	-	-	-	-	-	52	24	
	HAMMER ENERGY REDUIRED FT -LBS.	-	-	-					13005	8200	
SPREAD FOOTINGS	FOUNDATION MATERIAL	RUCK	ROCK	Rock	ROCK	ROCK	ROSK	400k	21	-	
FOOTINGS	DESIGN BEARING TONS/SQ. FT.	7 3	8.7	7.5	7	7.6	7. 6	7.9			

NOTE: MINIMUM ENERGY REQUIREMENT OF HAWMER IS BASED ON PLAN LENGTH AND DESIGN BEARING VALUE OF PILES.

ALL PILES SHALL BE DRIVEN TO PRACTICAL REFUSAL.

PREBORE FOR PILES AT BENTS 1 AND 17 TO ELEVATIONS SETTO AND 855.0 RESPECT VELT.

ALL CONCRETE ABOVE THE CONSTRUCTION JOINT IN END BENTING. 1 IS INCLUDED IN THE ESTIMATED QUANTITIES FOR SLAB ON CONCRETE 1-GIRDER.

ALL REINFORCEMENT IN END BENT NO. 1 IS INCLUDED IN THE ESTIMATED QUANTITIES FOR SLAB ON CONCRETE -GIRDER.

THE COST OF FURNISHING, FABRICATING AND INSTALLING MEDPRENE BEAPING PAGE, COMPLETE-IN-PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR PLAIN AND LAMINATED MEOPRENE BEARING PAGE, PER EACH.

** BAFETY BARRIER CURB SHALL BE CAST-IN-PLACE OFFICE OF SLIP-FORM OFFICE.

CONCRETE ABOVE THE UPPER CONSTRUCTION JOINT IN BACKWALL AT END BENT NO. 17 IS INCLUDED WITH CLASS B2 CONCRETE SLAB ON CONCRETE BULB-TEE GLADER QUANTITIES.

ALL REINFORCEMENT IN THE INTERMEDIATE BENT CONCRETE DIAPHRAGMS EXCEPT REINFORCEMENT EMBEDDED IN THE BEAM CAP IS INCLUDED IN THE ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-CIRCER.

ALL CONCRETE ABOVE THE INTERMEDIATE BENT CAP IS INCLUDED IN THE ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-GIRDER.

HYDROLOGIC DATA

DRAINAGE AREA = 89 SQUARE MILES DESIGN HIGH WATER ELEV. = 860.2 (100 YEARS) DESIGN DISCHARGE = 23,000 c.f.s.(100 YEARS)

ESTIMATED BACKWATER = 0.2 FT.

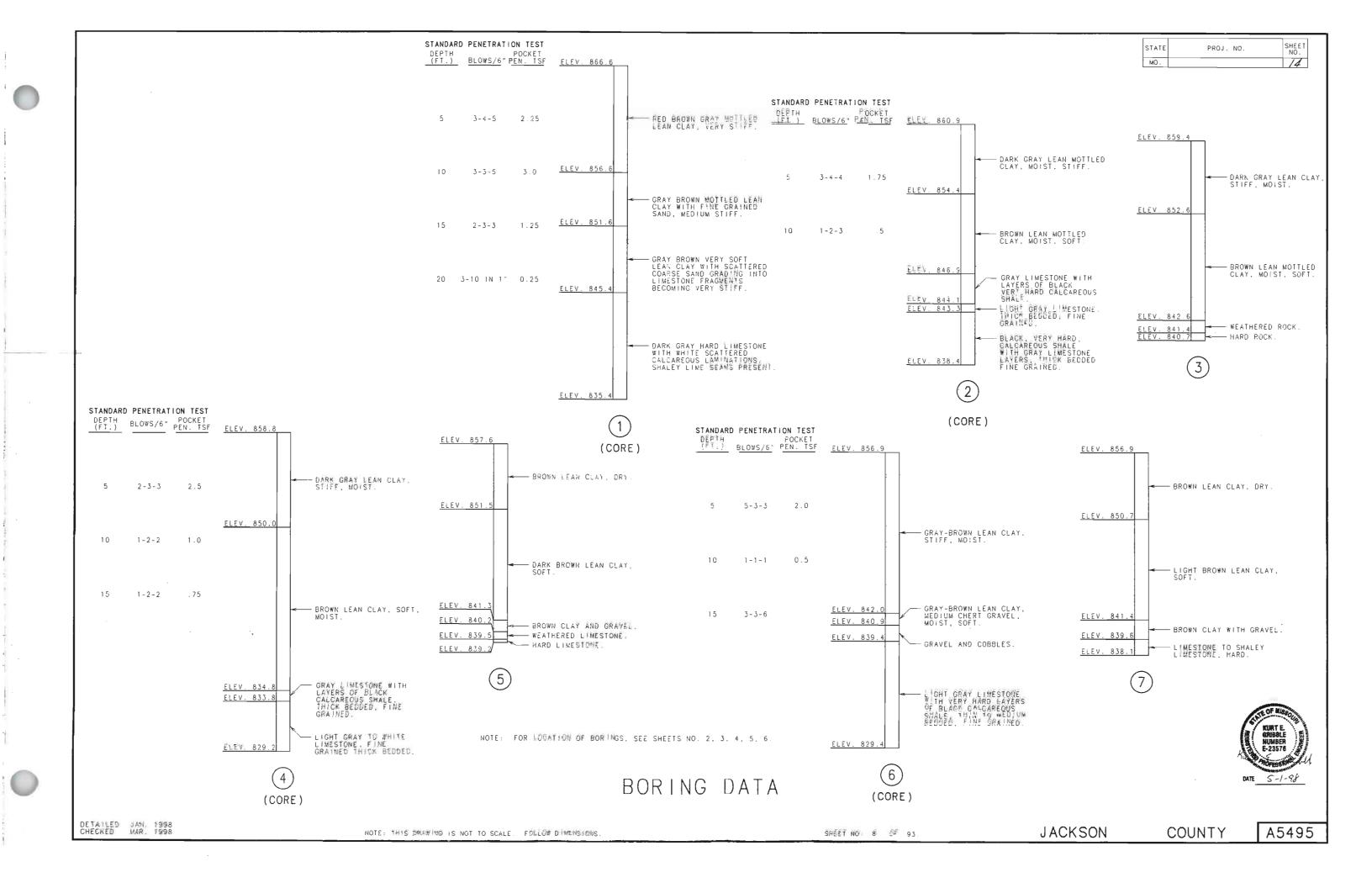


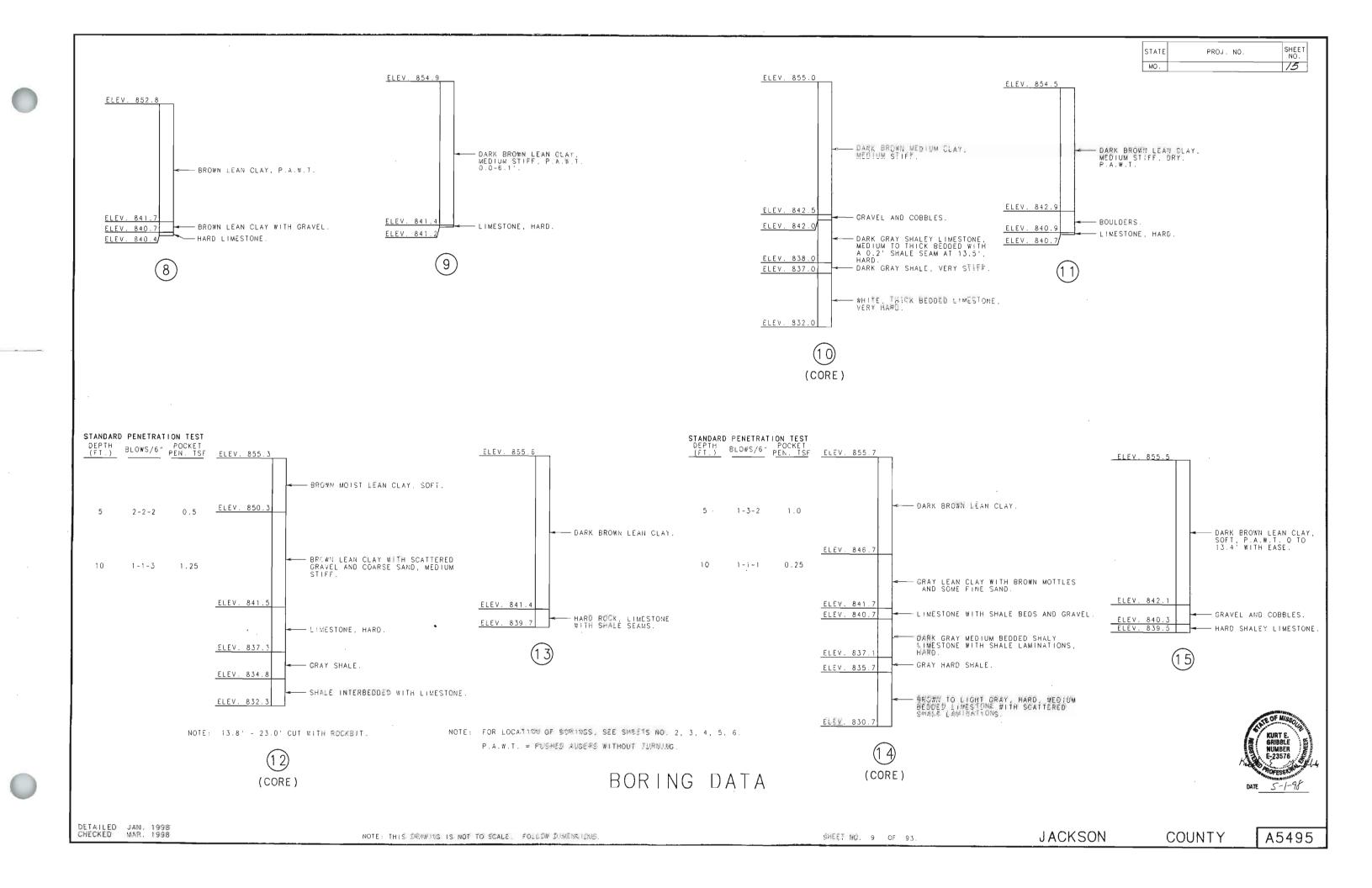
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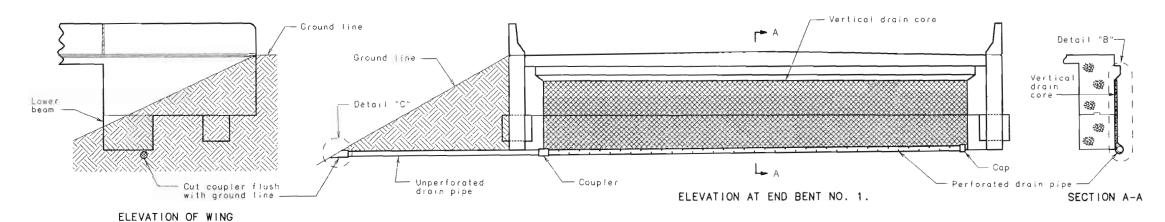
SHEET KO. 7 : 91. /1 Revised 10-28-99

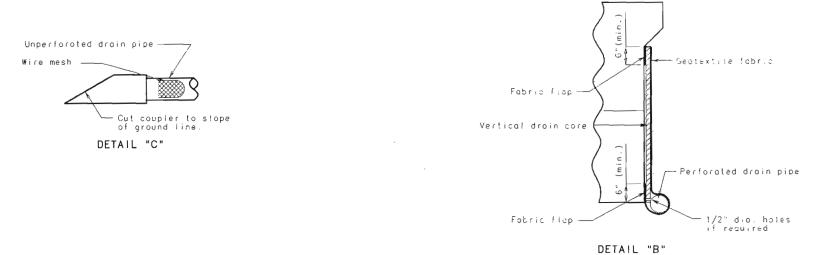
JACKSON

COUNTY





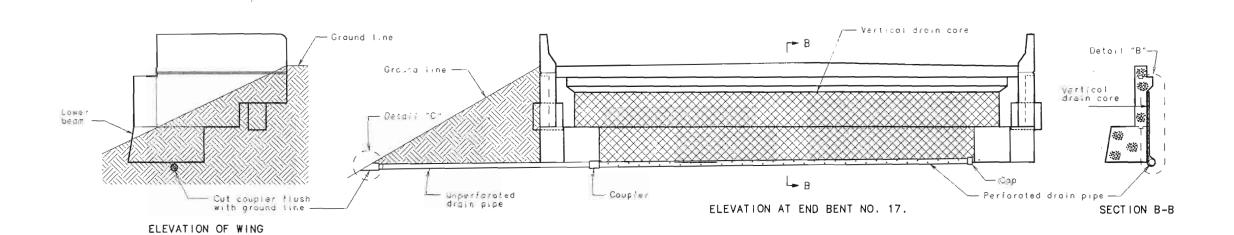




Drain pipe may be either 6" diameter corrugated metal ic-coated steel pipe underdrain, 4" diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4" diameter corrugated polyethylene (PE) drain pipe.

Place drain pipe at fill face of end bent and slope to lowest grade of ground line, also missing the lower beam of end bent by 1-1/2". (See Elevation At End Bent)

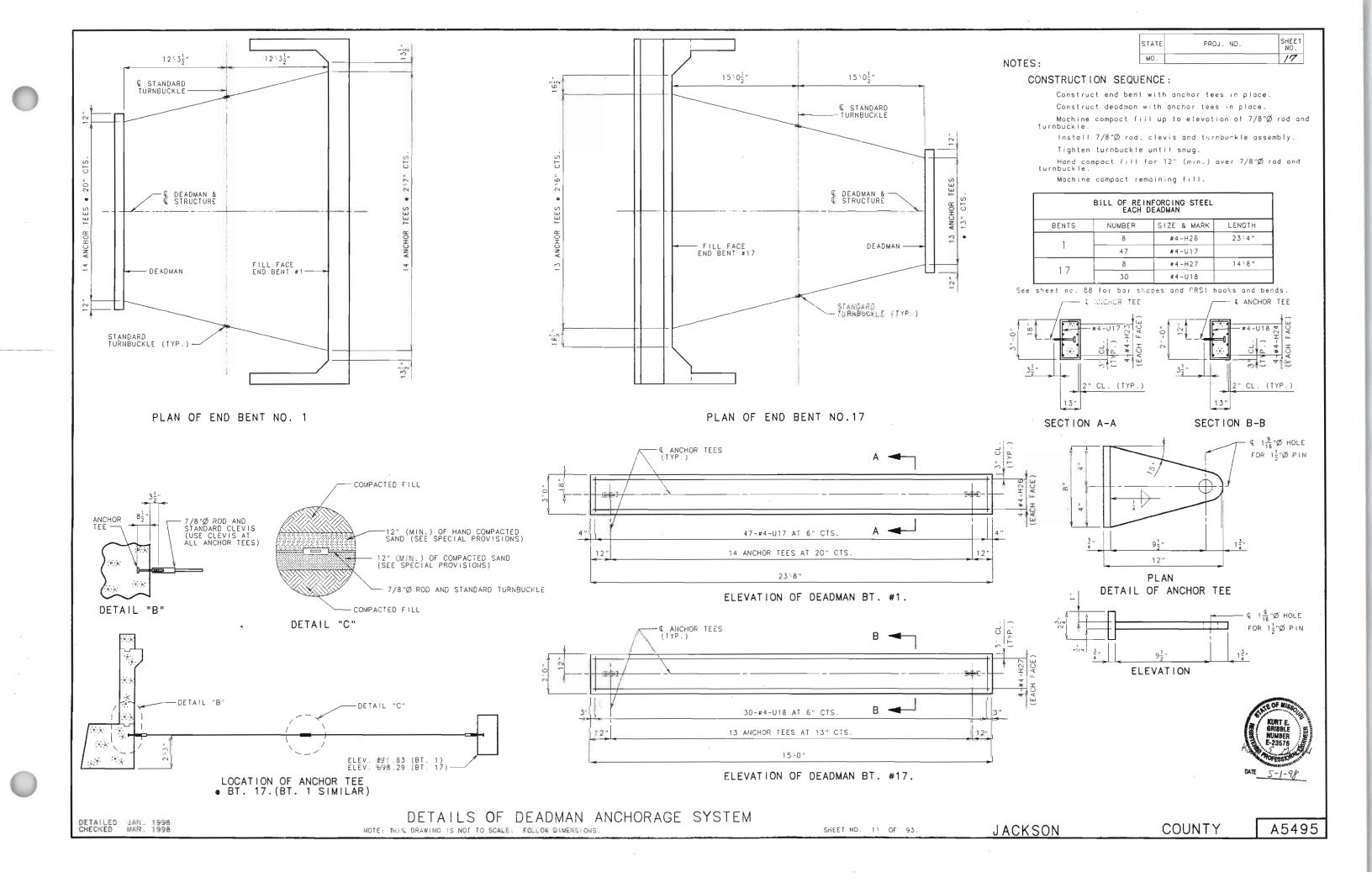
Perforated pipe shall be placed at fill face side at the battom of end bent and plain pipe shall be used where the vertical drain ends to the exit at ground line.

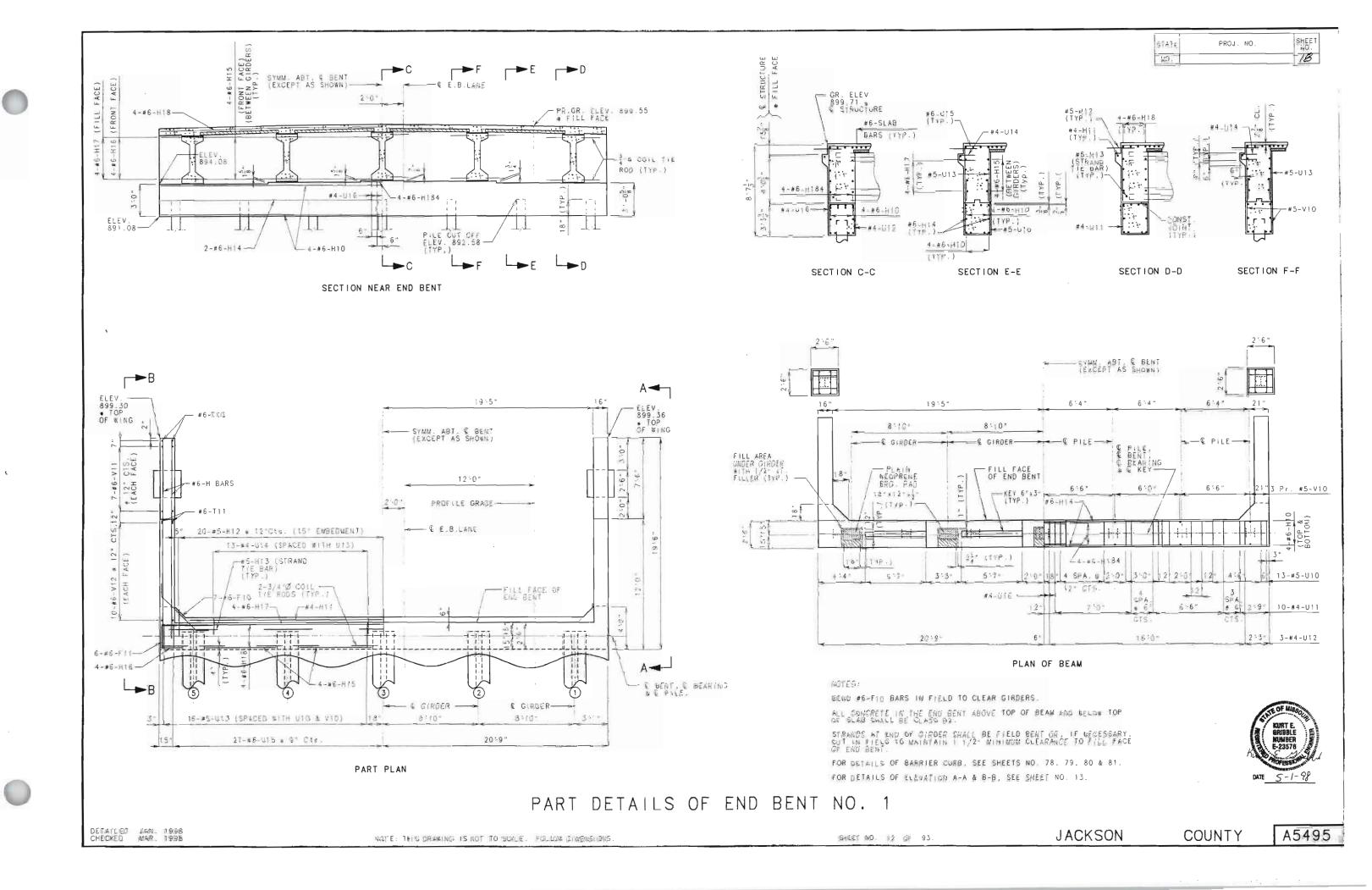


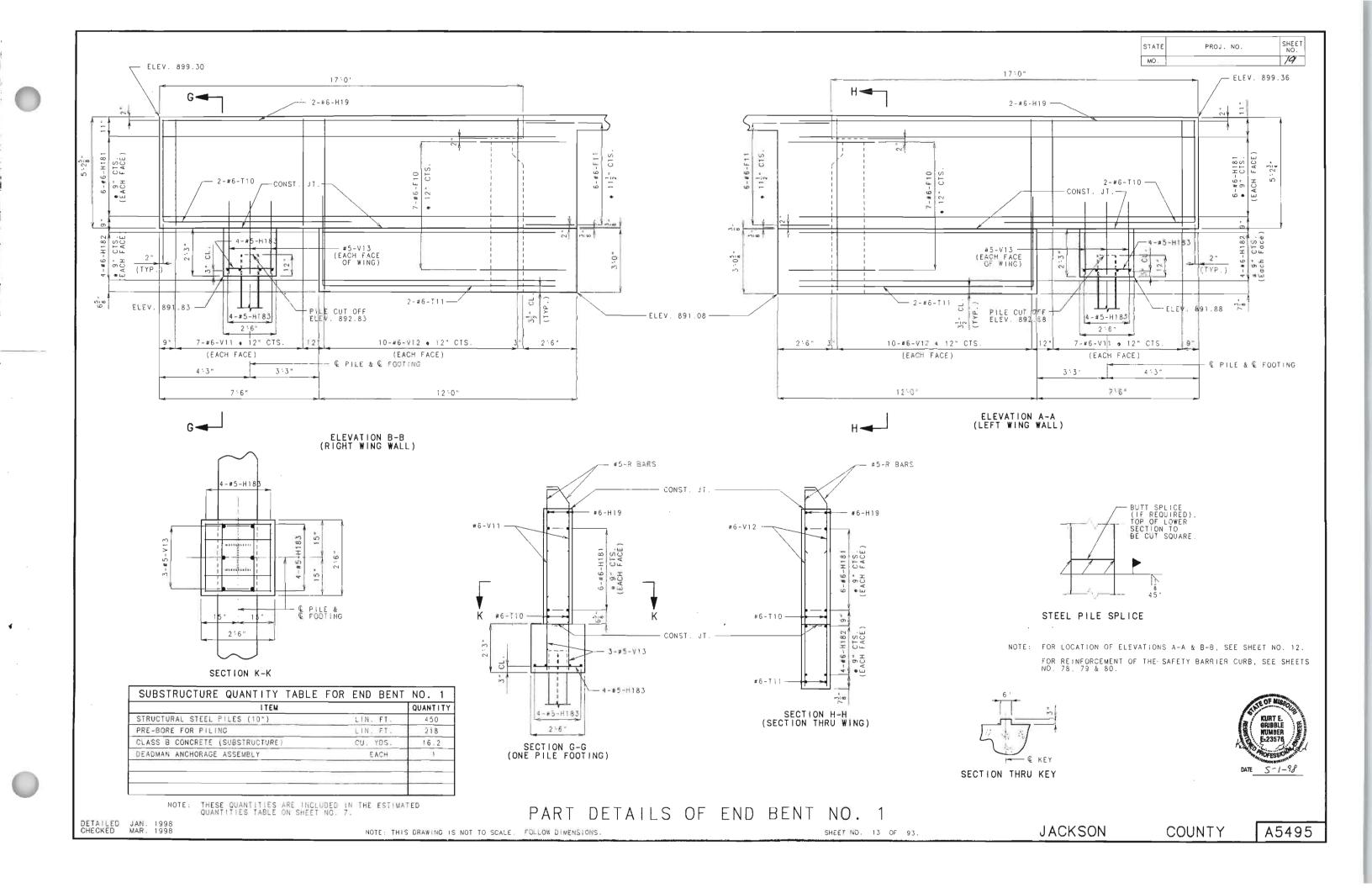
VERTICAL DRAIN AT END BENTS

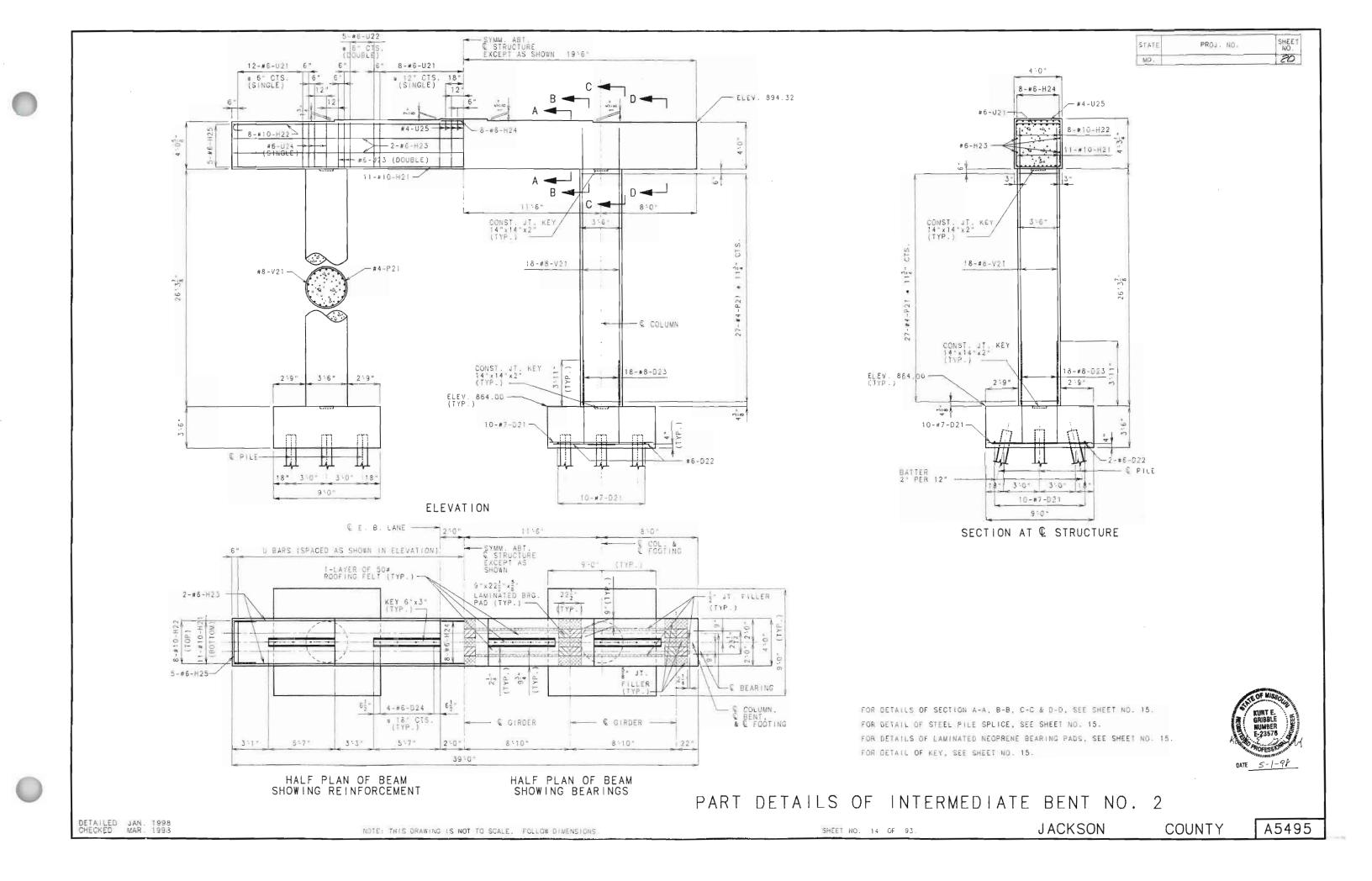
Grain (int.) Revised:

DETAILED JAN 1998 CHECKED MAR 1998

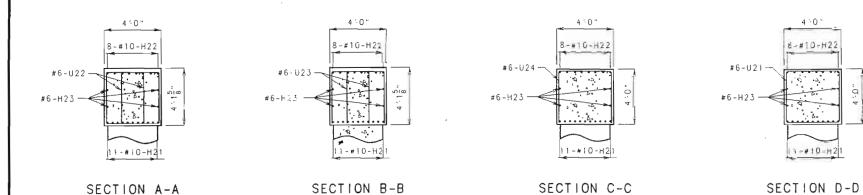


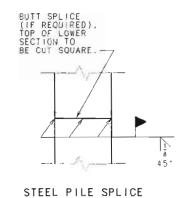


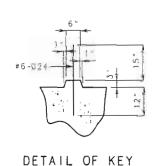


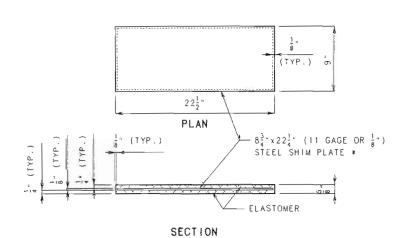










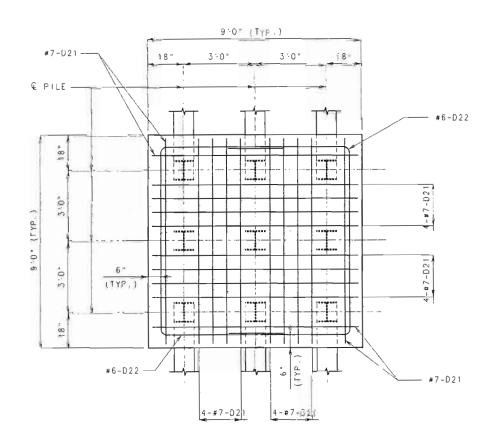




FOR LOCATION OF SECTION A-A, B-8, C-C & D-D, SEE SHEET NO. 14.

 THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOMER AND MOLDED TOGETHER TO FORM AM INTEGRAL UNIT.

NOTE: THIS DRAWING IS NOT TO SCALE, FOLLOW DIMENSIONS.



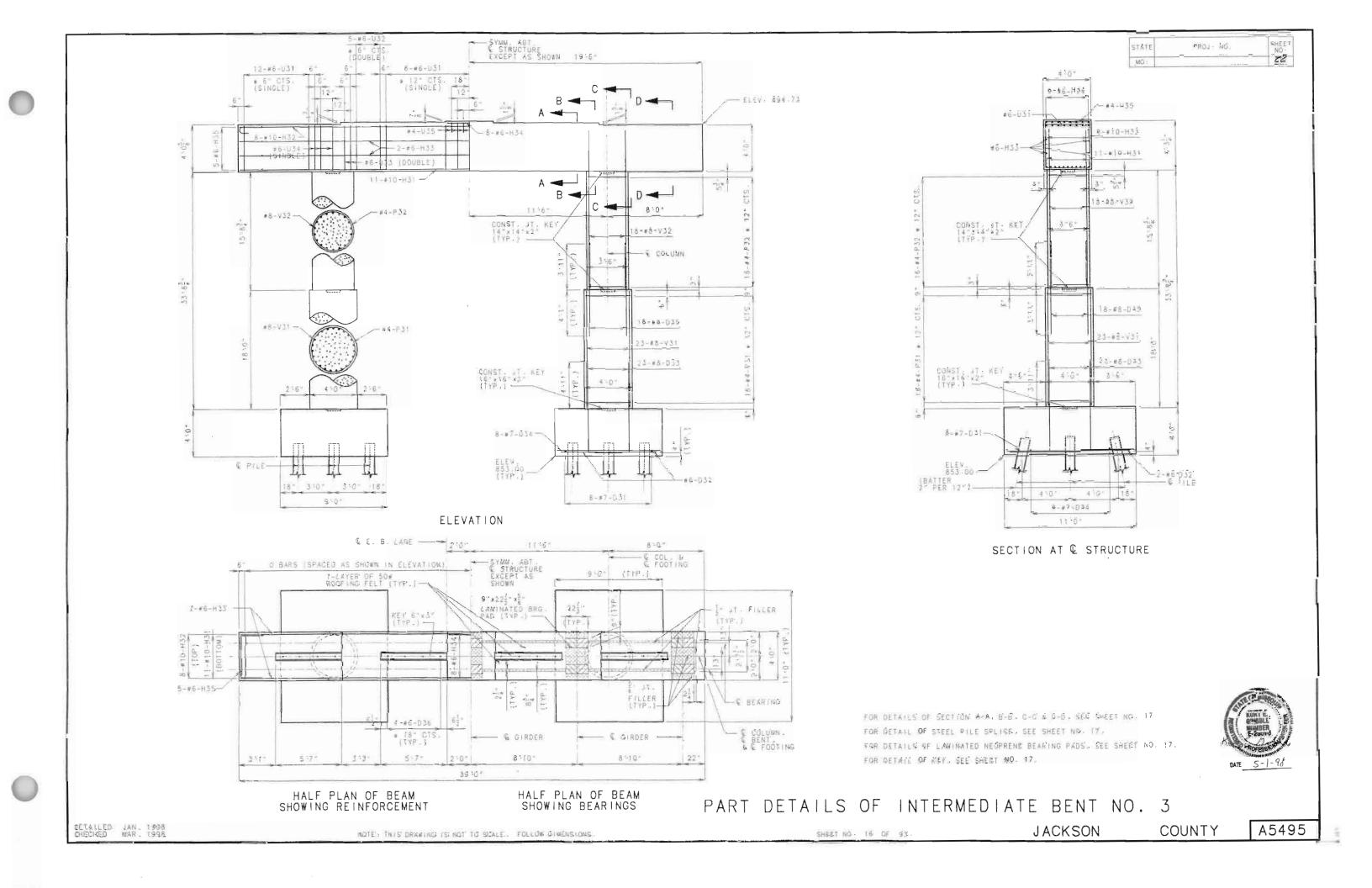
PLAN OF FOOTING

ITEM		QUANTITY
CLASS 1 EXCAVATION	CU.YDS.	60
STRUCTURAL STEEL PILE (16-)	LIN. FT.	270
CLASS B CONCRETE (SUBSTRUCTURE)	GU.YDS.	63.7
REPARTORCING STEEL (BRIDGES)	LBS.	10.050

NOTE: THESE QUANTITIES ARE INCLUDED IN THE ESTIMATED

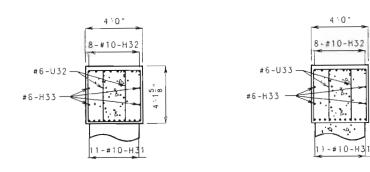


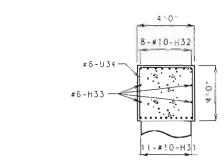
PART DETAILS OF INTERMEDIATE BENT NO. 2

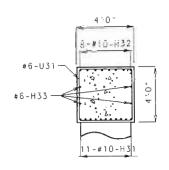


#6-032

- #7-D31





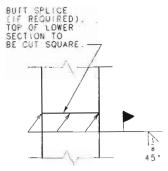


SECTION A-A

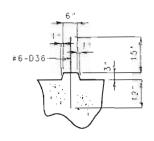
SECTION B-B

SECTION C-C

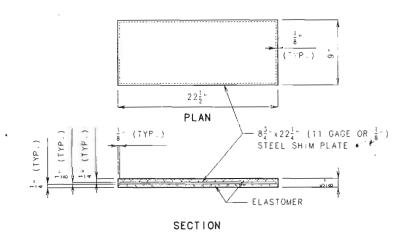
SECTION D-D



STEEL PILE SPLICE



DETAIL OF KEY



DETAILS OF LAMINATED NEOPRENE BEARING PADS

FOR LOCATILION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 16.

* THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF BLASTOMER AND MOLDED TOGETHER TO FORM AN INTEGRAL UNIT.

PLAN OF FOOTING SUBSTRUCTURE QUANTITY TABLE FOR BENT #3 ITEM QUANTITY CLASS 1 EXCAVATION CU.YDS. 110 STIRLUCTURAL STEEL PILE (10") LIN. FT 198 CLASS B CONCRETE (SUBSTRUCTURE) CU.YDS. 81.2 REINFORCING STEEL (BRIDGES) LBS. 12,440 NOTE: THESE QUANTITIES ARE INCLUDED IN THE ESTIMATED OURNITITIES TABLE ON SHEET NO 7.

9'0" (TYP.)

3 '- 0 "



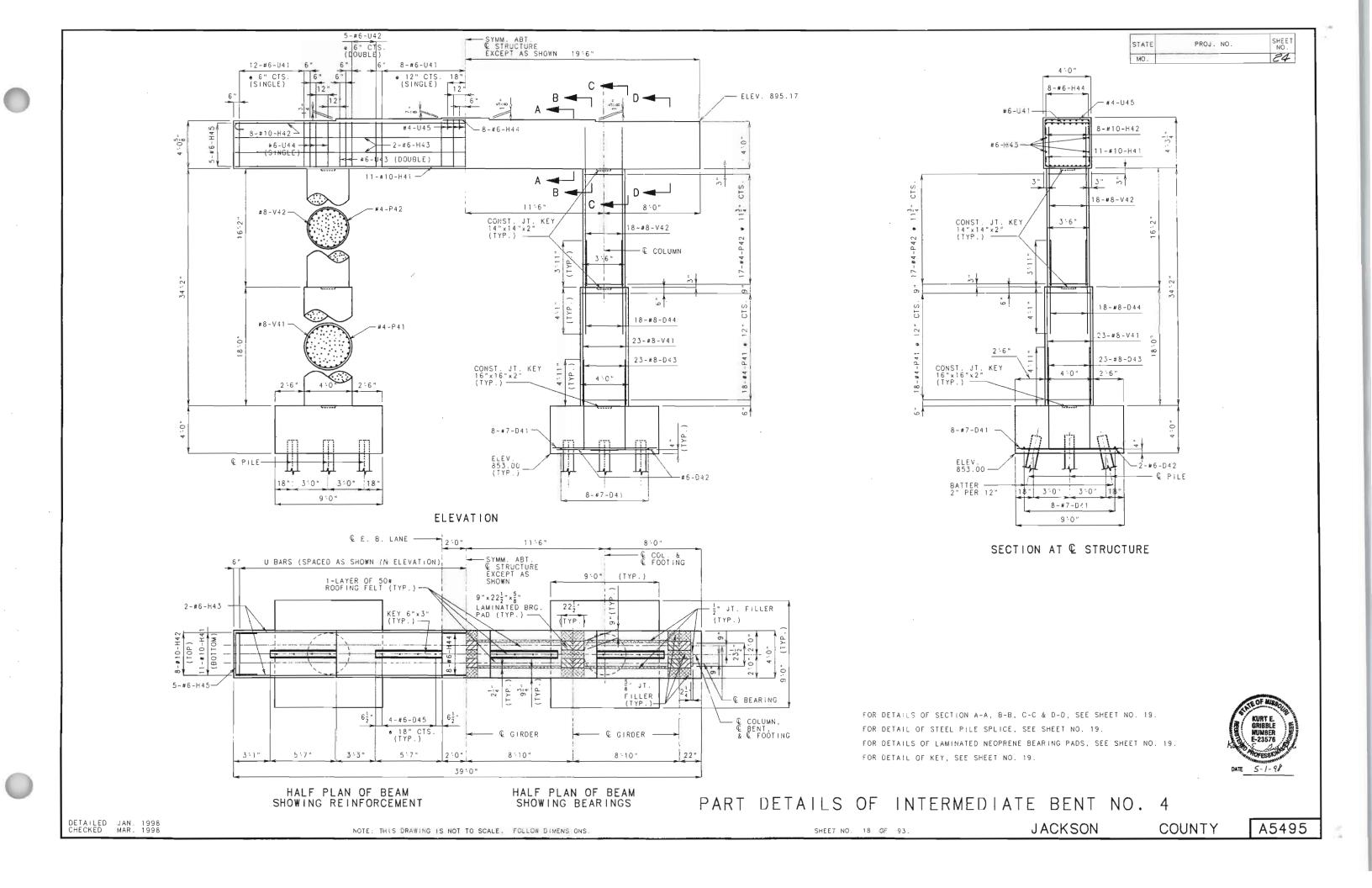
PART DETAILS OF INTERMEDIATE BENT NO. 3

#7-D31-

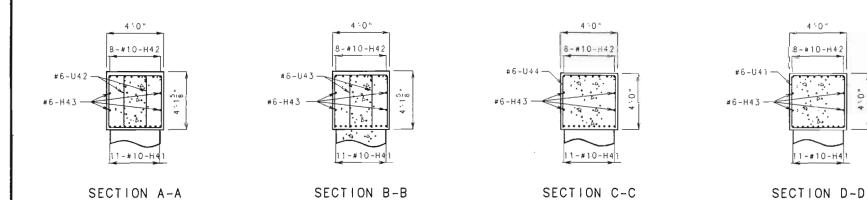
(TYP.)

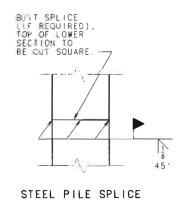
#6-D32 —

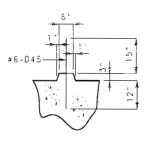
⊈ PILE-



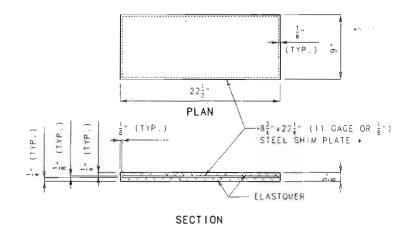
SHEET NO. STATE PROJ. NO. 25 MO.







DETAIL OF KEY



DETAILS OF LAMINATED NEOPRENE BEARING PADS

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 18.

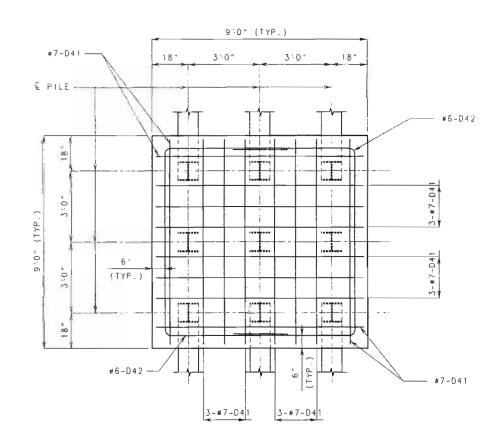
PART DETAILS OF INTERMEDIATE BENT NO. 4

4 '-0 "

8-#10-H42

1-#10-H41

* THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOMER AND MOLDED TOGETHER TO FORM AN INTEGRAL WINT.



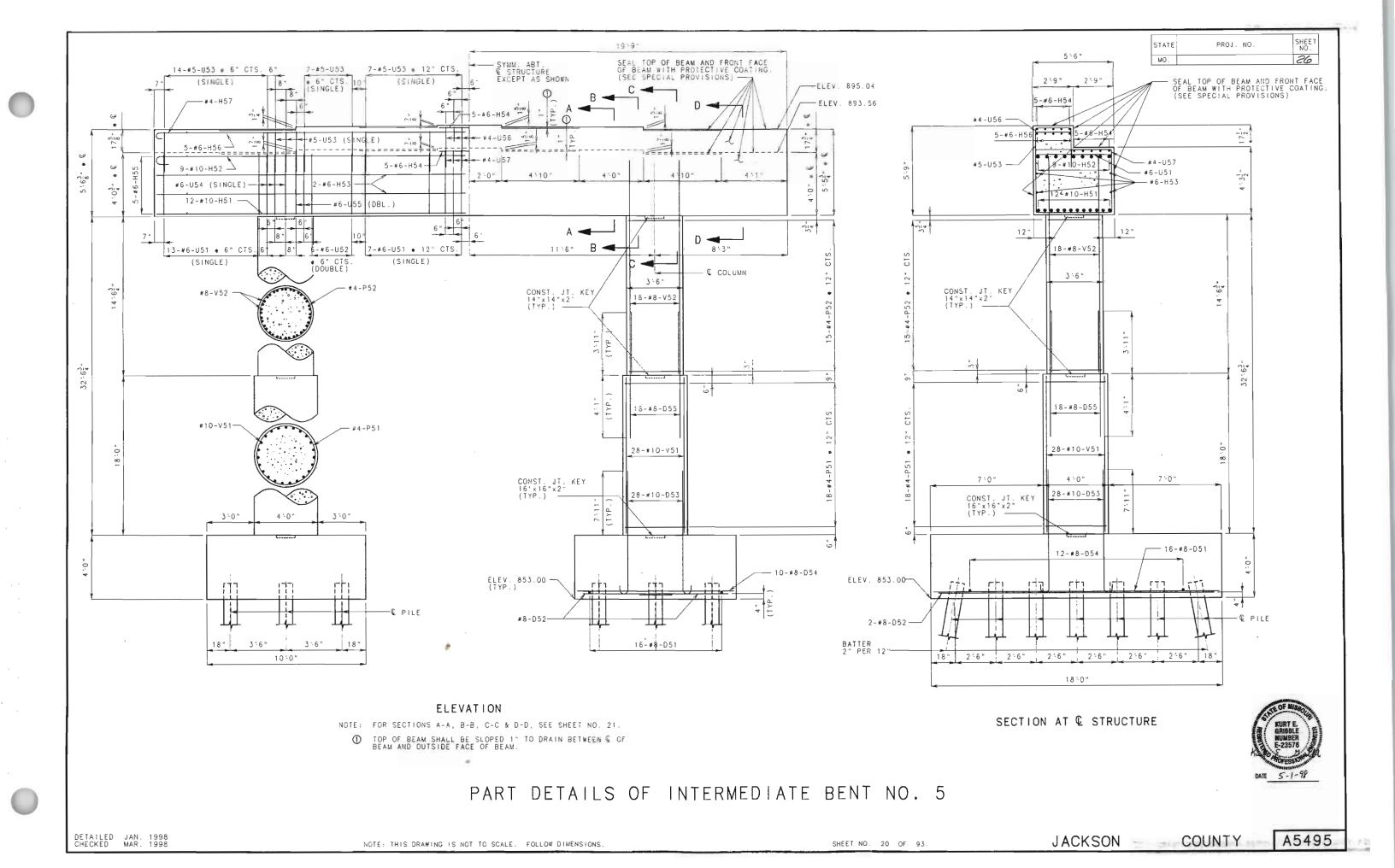
PLAN OF FOOTING

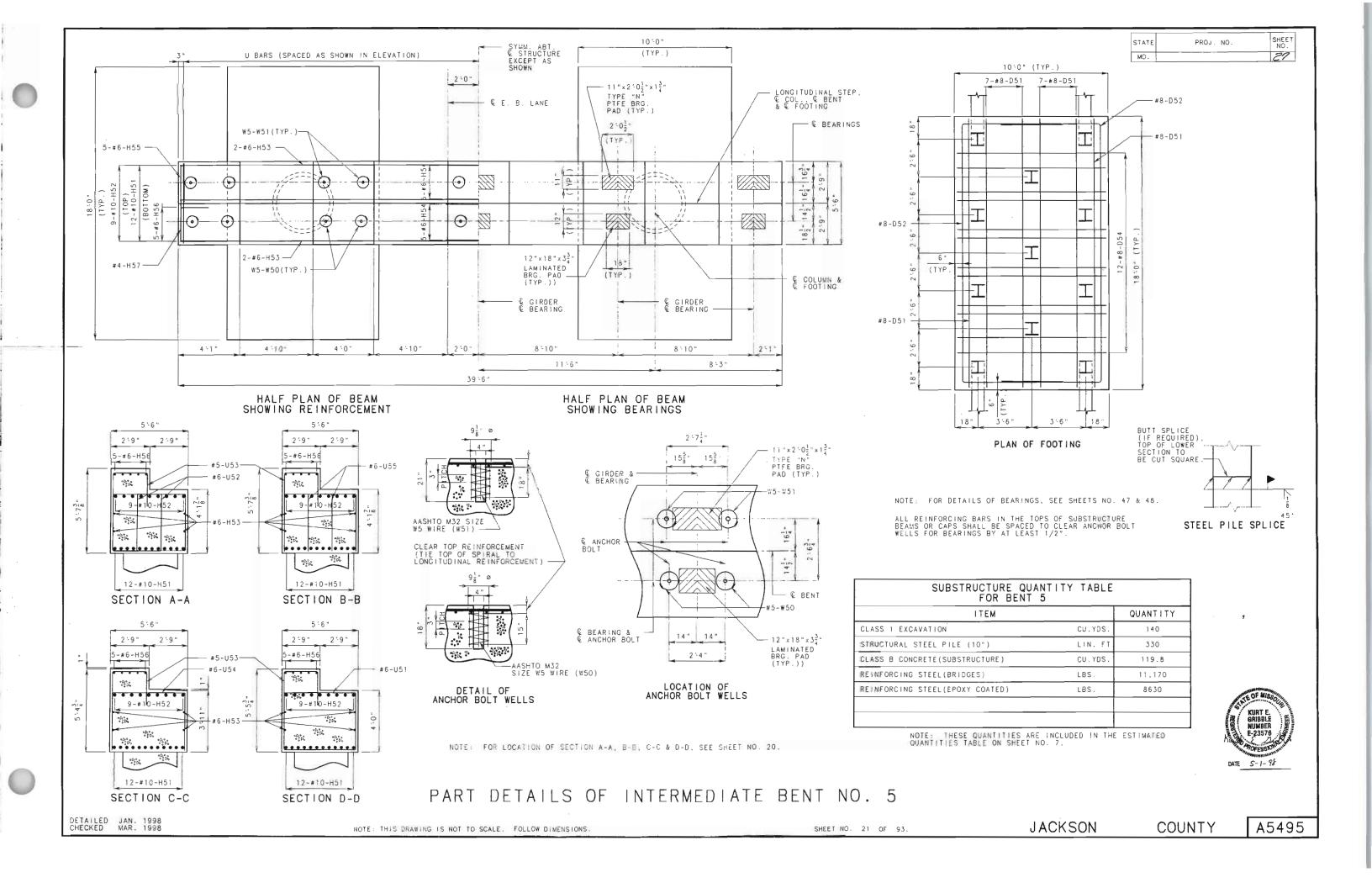
ITEM		QUANTITY
CLASS 1 EXCAVATION	CU.YDS.	85
STRUCTURAL STEEL PILE (10")	LIN. FT.	270
CLASS B CONCRETE (SUBSTRUCTURE)	CU.YDS.	76.2
REINFORCING STEEL (BRIDGES)	LBS.	12,420

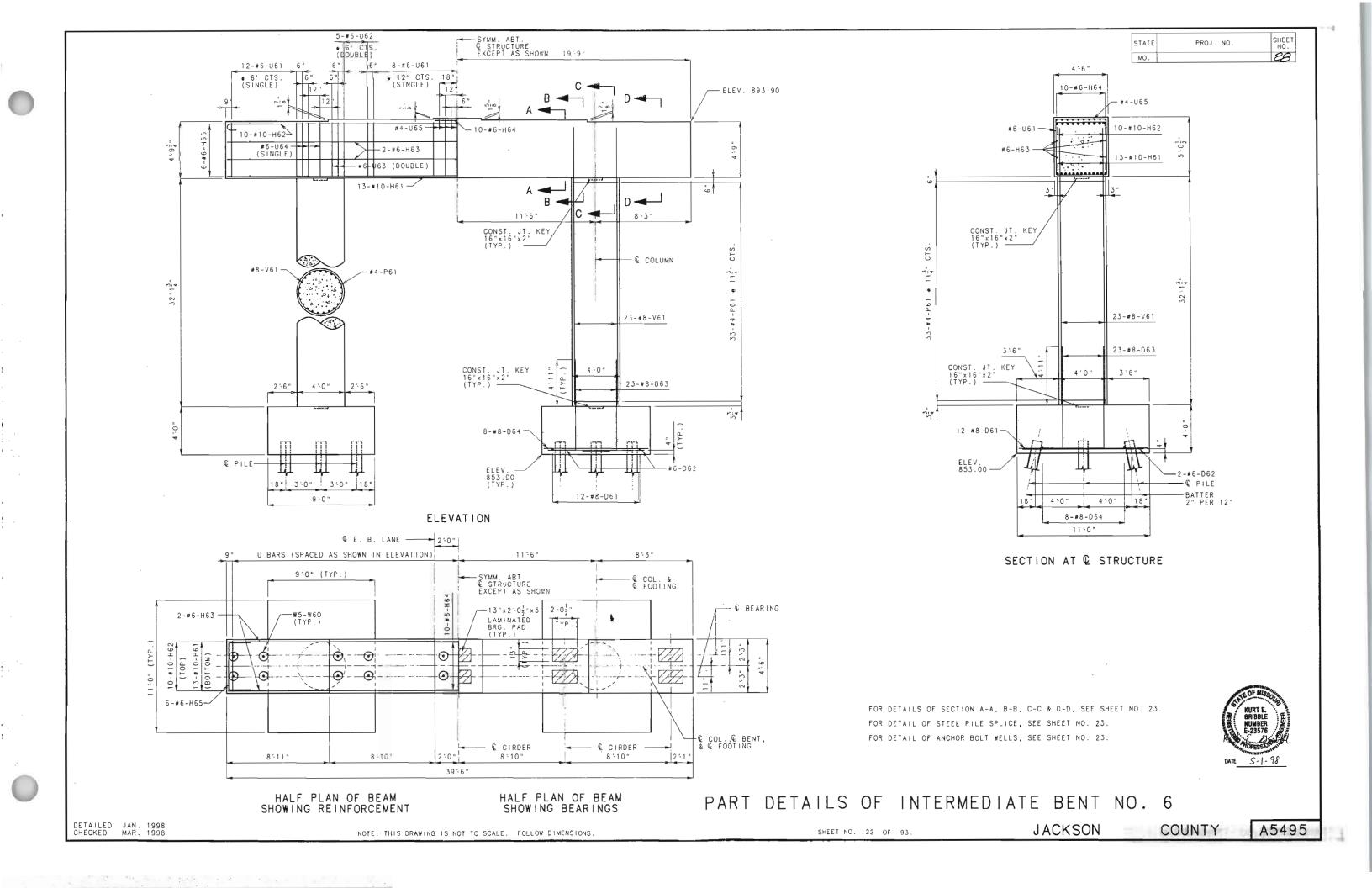


NOTE: THESE QUANTITIES ARE INCLUDED IN THE ESTIMATED QUANTITIES TABLE ON SHEET NO. 7.

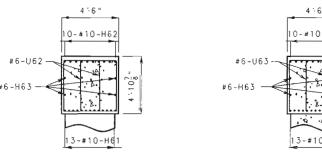
COUNTY

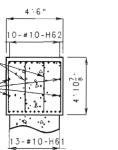


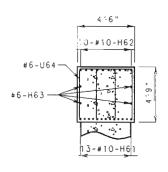


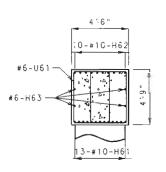










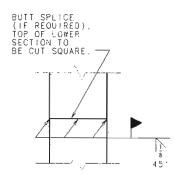


SECTION A-A

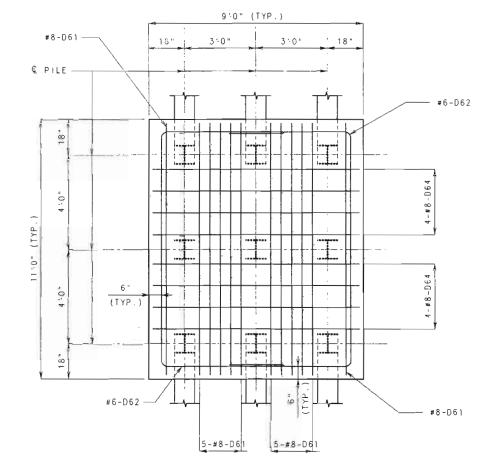
SECTION B-B

SECTION C-C

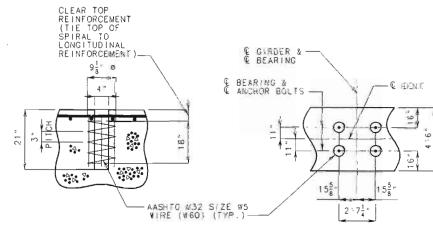
SECTION D-D



STEEL PILE SPLICE



PLAN OF FOOTING

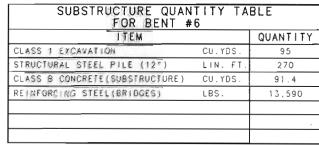


DETAIL OF ANCHOR BOLT WELLS

LOCATION OF ANCHOR BOLT WELLS

MOTES: FOR DETAILS OF LAMINATED NEOPRENE BEARINGS, SEE SHEET NO. 47. ALL REINFORCING BARS IN THE TOPS OF SUBSTRUCTURE BEAMS OR CAPS SHALL BE SPACED TO CLEAR ANCHOR BOLT WELLS FOR BEARINGS BY AT LEAST 1/2".

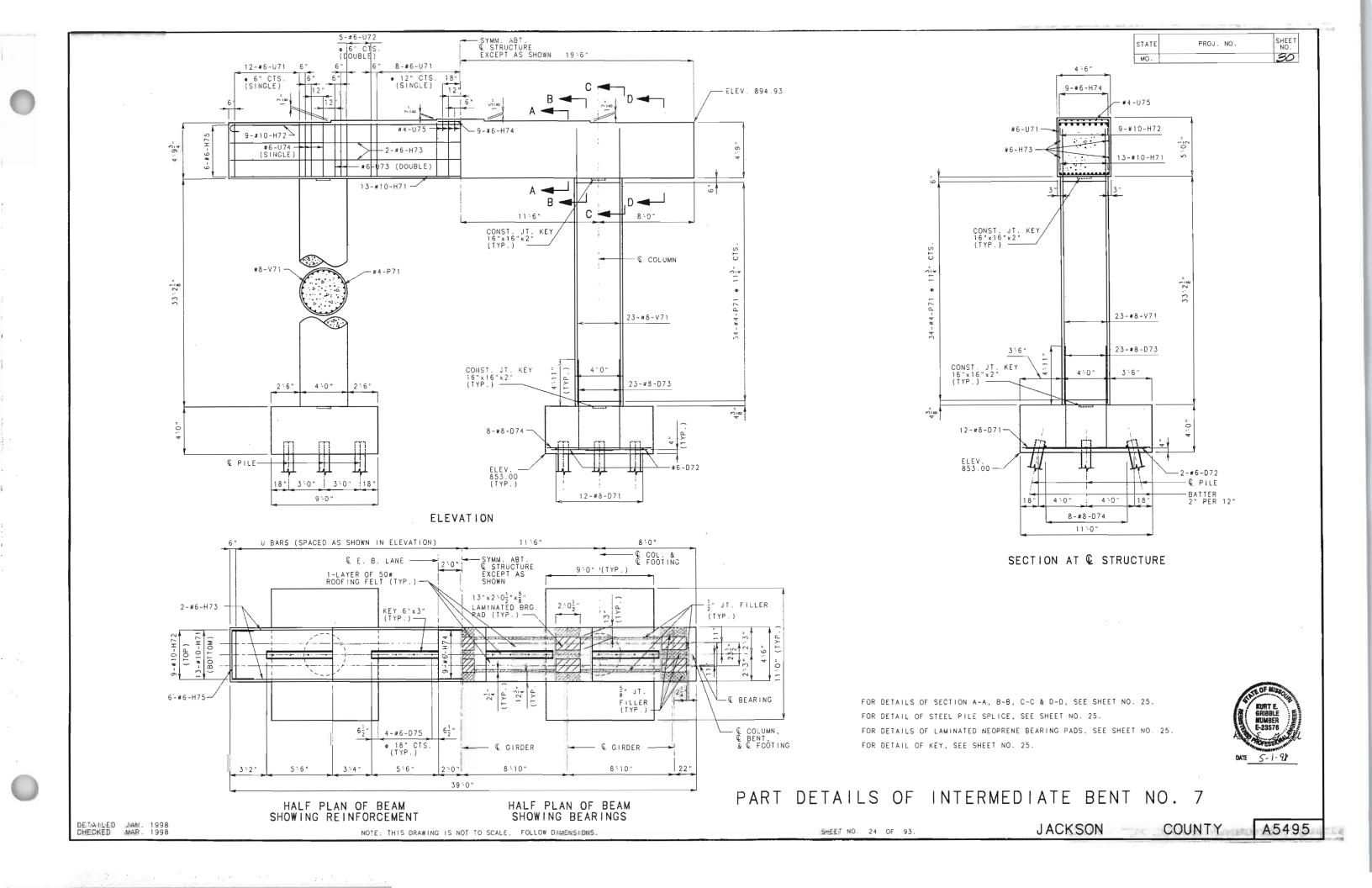
FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 22.

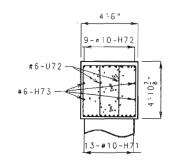


NOTE: THESE QUANTITIES ARE INCLUDED IN THE ESTIMATED QUANTITIES TABLE ON SHEET NO. 7.

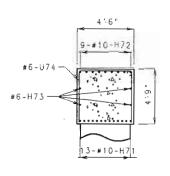


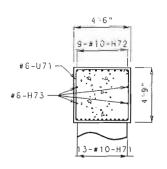






#6-U73 #6-H73 #6-H73



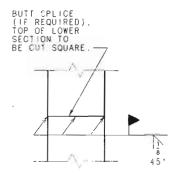


SECTION A-A

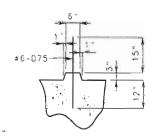
SECTION B-B

SECTION C-C

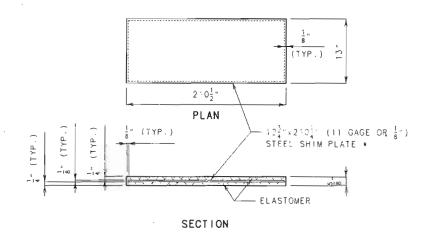
SECTION D-D







DETAIL OF KEY



DETAILS OF LAMINATED NEOPRENE BEARING PADS

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 24.

 THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTONER AND MOLDED TOGETHER TO FORM AN INTEGRAL DOING. 86-072 86-072 86-072 88-071 5-#8-071

9:0" (TYP.)

3 -0 "

18"

PLAN OF FOOTING

ITEM		QUANTIT
CLASS 1 EXCAVATION	CU.YDS.	80
STRUCTURAL STEEL PILE (12")	LIN. FT.	270
CLASS B CONCRETE (SUBSTRUCTURE)	CU.YDS.	92.0
REINFORSING STEEL (BRIDGES)	LBS.	13,480

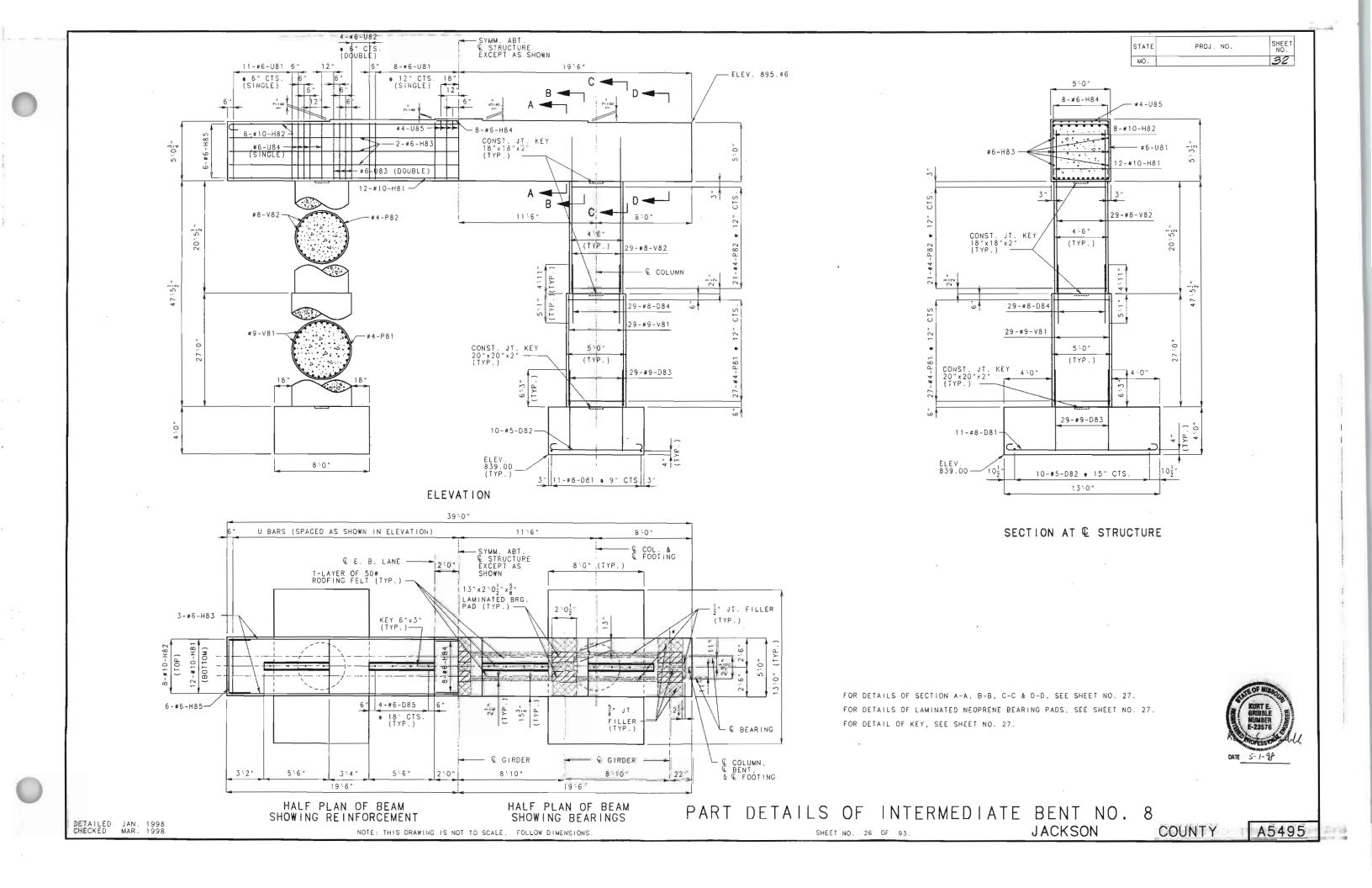
QUANTITIES TABLE ON SHEET NO. 7.



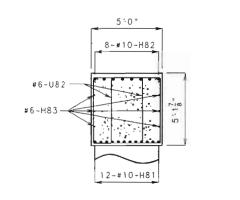
A5495

PART DETAILS OF INTERMEDIATE BENT NO. 7

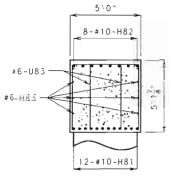
#8-D71 ==

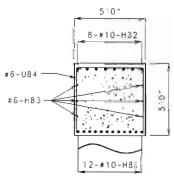


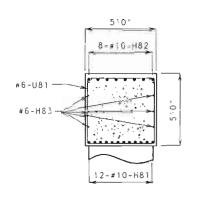
SHEET NO. STATE PROJ. NO. MO.



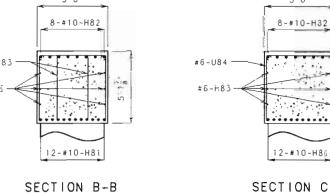
SECTION A-A



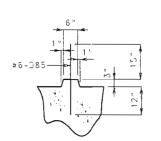




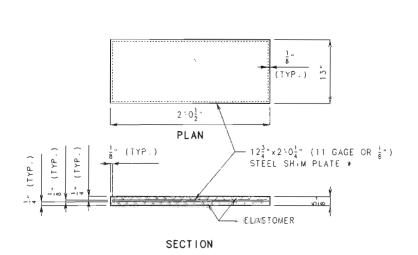
SECTION D-D



SECTION C-C

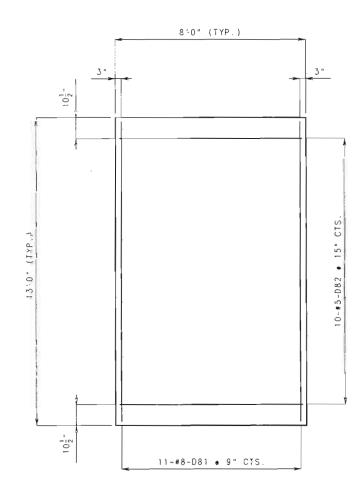


DETAIL OF KEY



DETAILS OF LAMINATED NEOPRENE BEARING PADS

THE REQUIRED SHUM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOMER AND MIGLDED TOGETHER TO FIRM AND INTEGRAL UNIT.



PLAN OF FOOTING

ITEM		QUANTITY
CLASS 1 EXCAMATION	CU.YDS.	195
CLASS 2 EXCAVATION	CU.YDS.	52
COFFERDAMS (BENT 8)	LUMP SUM	1
CLASS B COMORETE (SUBSTRUCTURE)	CU.YDS.	131.3
REINFORCING STEEL (BRIDGES)	LBS.	20,630

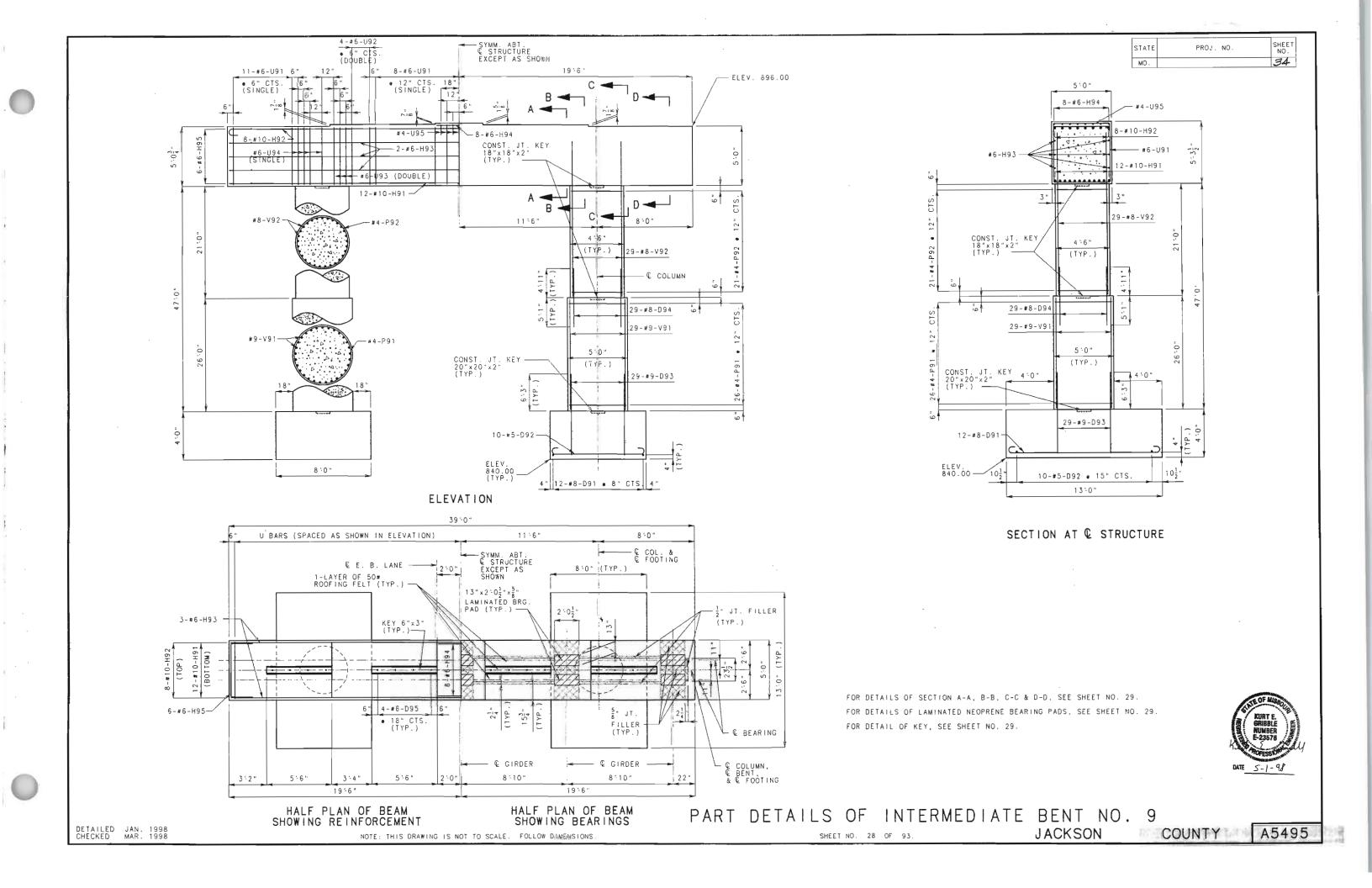
MOTE: THESE QUANTITIES ARE HACKIDED IN THE ESTIMATED QUANTITIES TABLE ON SHEET NO. 7

JACKSON

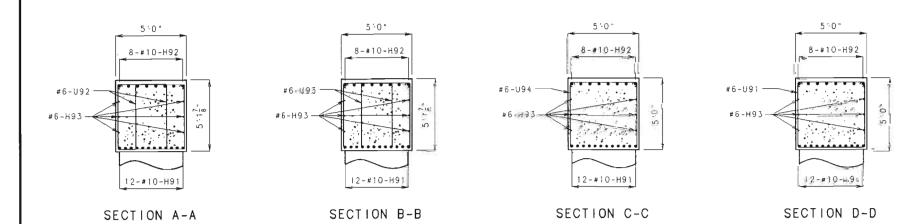


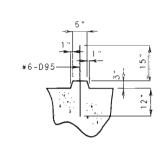
PART DETAILS OF INTERMEDIATE BENT NO. 8

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 26.

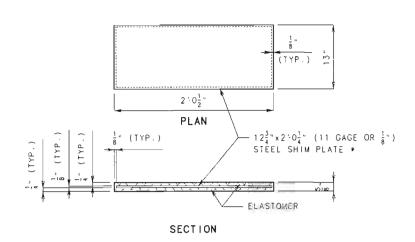








DETAIL OF KEY



DETAILS OF LAMINATED NEOPRENE BEARING PADS

* THE REQUIRED SHIM PLATE SHALL BE PLACED RETWIEEN LANGERS OF ELASTOMER AND MOLDED TOGETHER TO FORM AN INTEGRAL UNIT.

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 28.

PART DETAILS OF INTERMEDIATE BENT NO. 9

10½" $10\frac{1}{2}$ " 12-#8-D91 • 8" CTS.

8:0" (TYP.)

PLAN OF FOOTING

ITEM		QUANTITY
CLASS 1 EXCAVATION	QU.YDS.	80
CLASS 2 EXCAVATION	CU.YDS.	39
COFFERDAMS (BENT 9)	LUMP SUM	1
CLASS B CONCRETE (SUBSTRUCTURE)	CU.YDS.	130.5
REINFORCING STEEL (BRIDGES)	LBS.	20,580

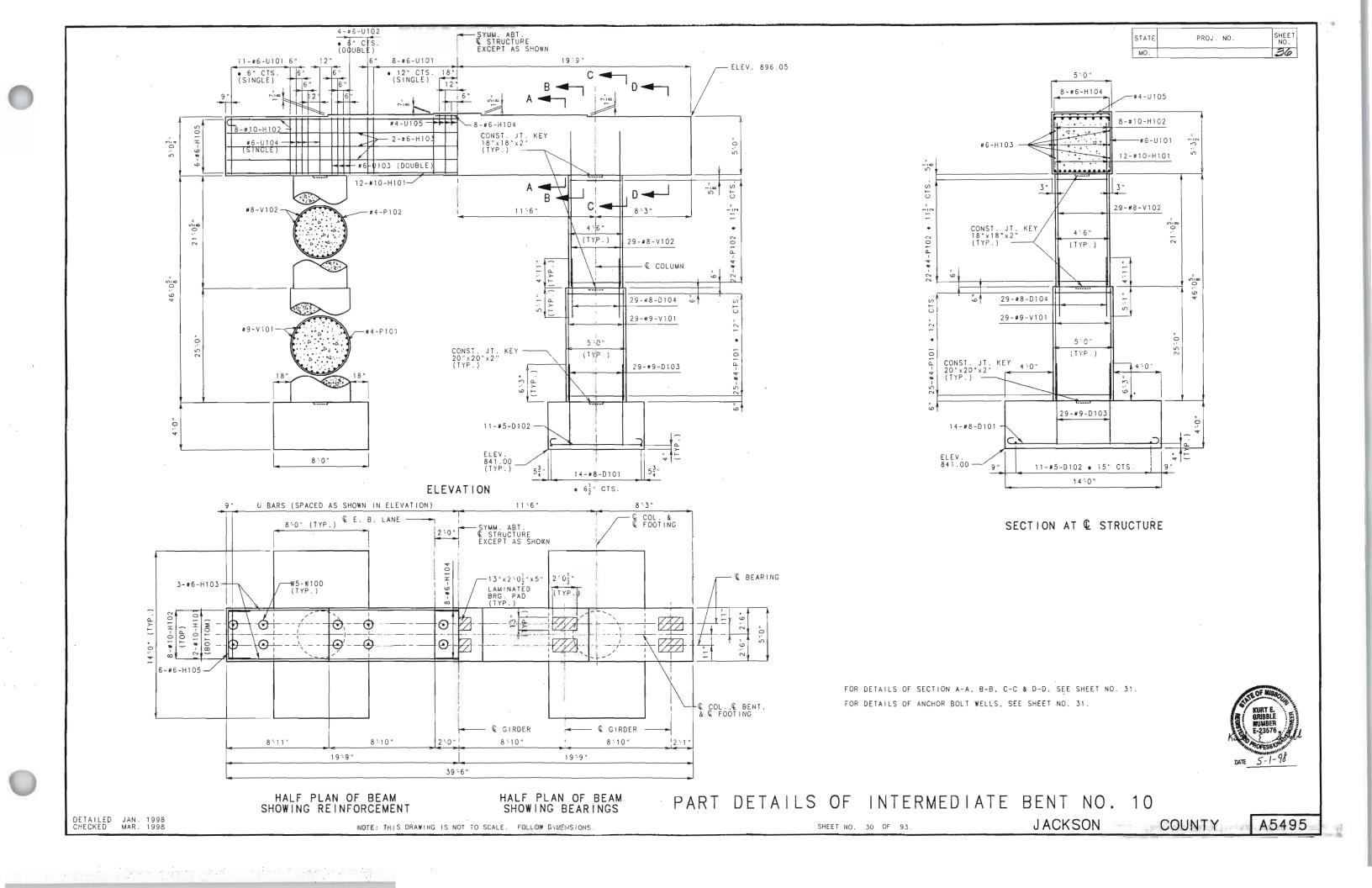
DETAILED JAN. 1998 CHECKED MAR. 1998

NOTE: THIS DRAWING IS NOT TO SWILE. FOLLOW DIMENSIONS.

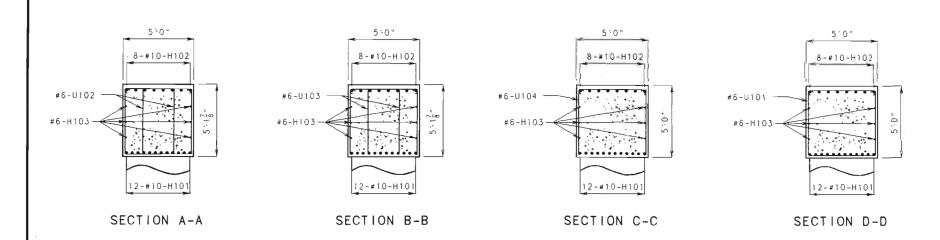
SHEET NO. 29 OF 93.

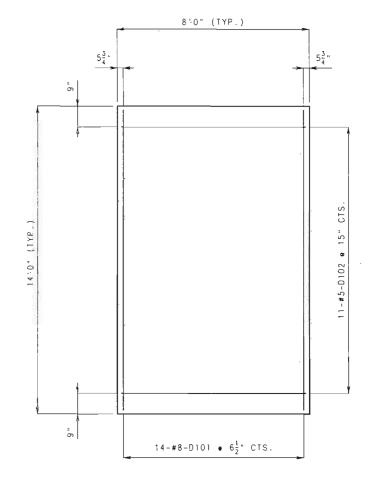
JACKSON

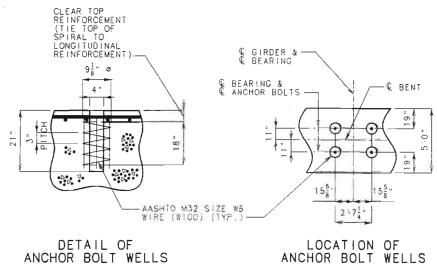
COUNTY



SHEET NO. STATE PROJ. NO. MO.



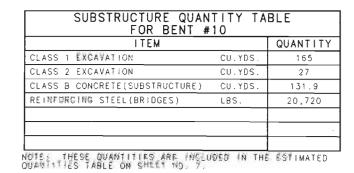




LOCATION OF ANCHOR BOLT WELLS

NOTES: FOR DETAILS OF LAMINATED MEDPRENE BEARINGS, SEE SHEET NO. 47. ALL REINFORCING BARS IN THE TOPS OF SUBSTRUCTURE BEAMS OR CAPS SHALL BE SPACED TO CLEAR ANCHOR BOLT WELLS FOR BEARINGS BY AT LEAST 1/2".

FOR LOCATION OF SECTION A-A, 8-B, C-C & D-D, SEE SHEET NO. 30.



PLAN OF FOOTING

DATE 5-1-98

PART DETAILS OF INTERMEDIATE BENT NO. 10

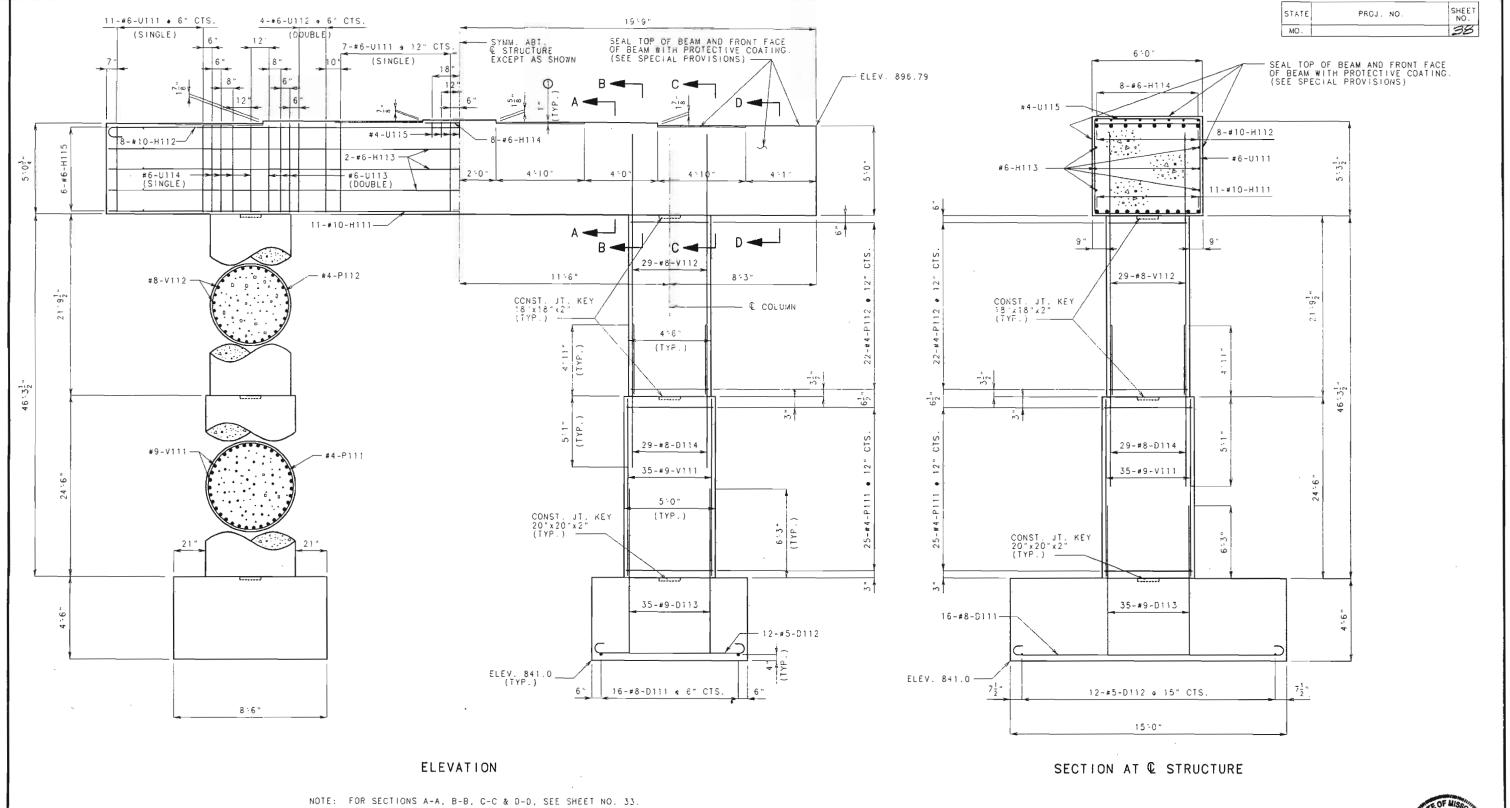
DETAILED JAN. 1998 CHECKED MAR. 1998

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET NO. 31 OF 93.

JACKSON

COUNTY



TOP OF BEAM SHALL BE SLOPED 1" TO DRAIN BETWEEN € OF BEAM TO BOTH OUTSIDE FACES OF BEAM.

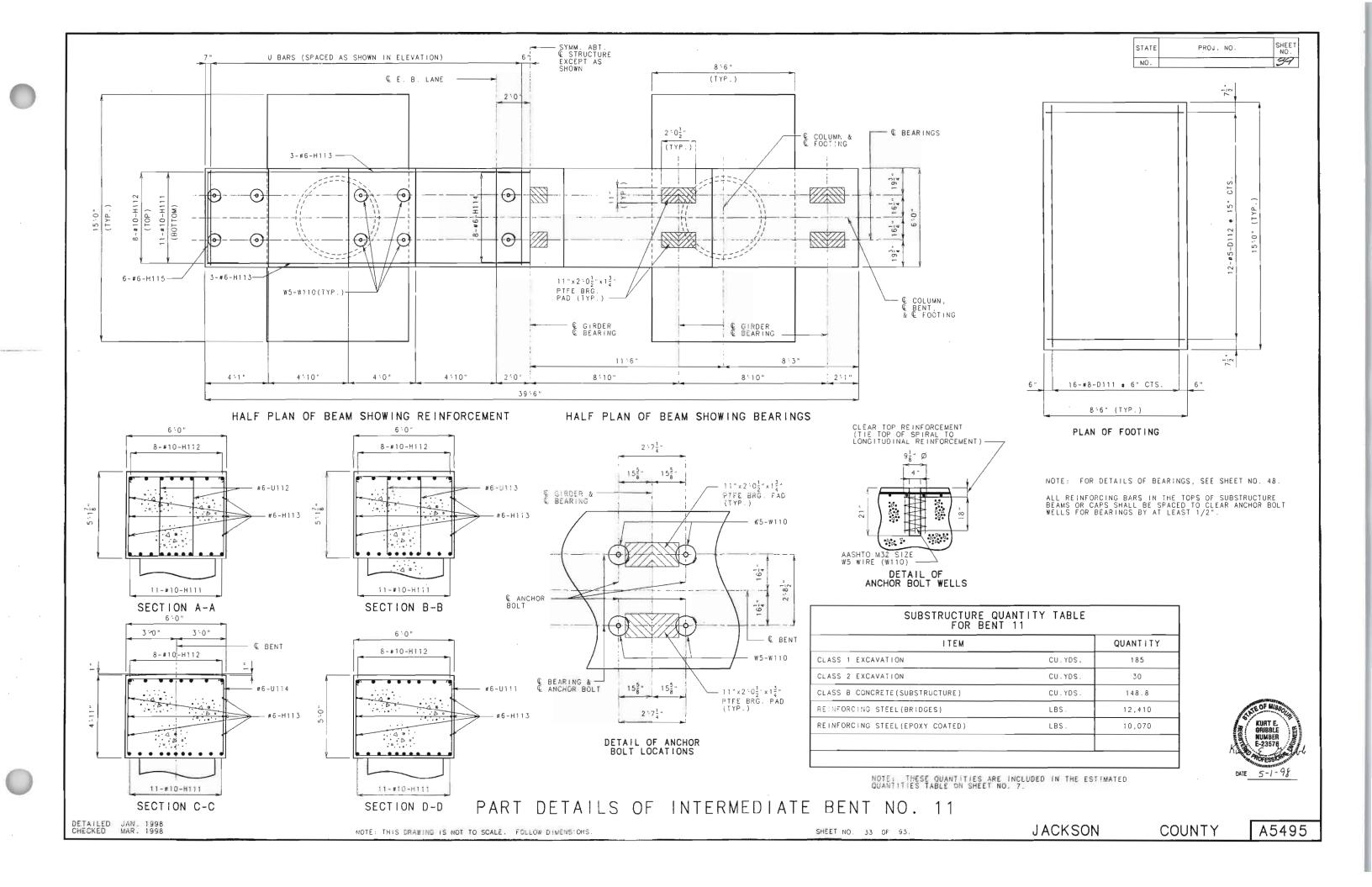
PART DETAILS OF INTERMEDIATE BENT NO. 11

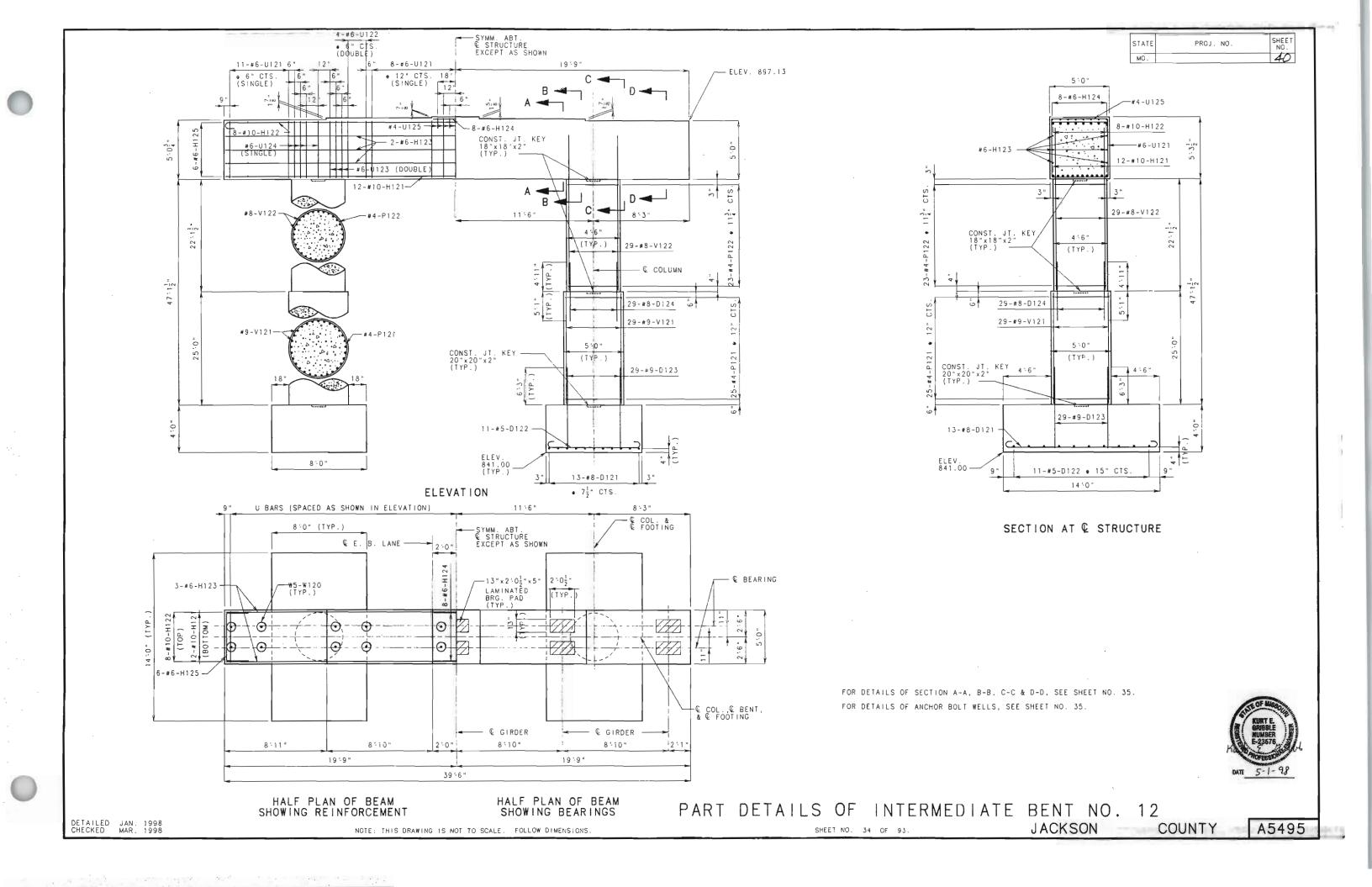


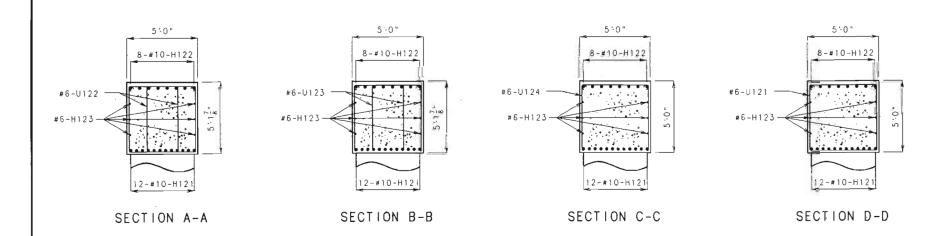
DETAILED JAN. 1998 CHECKED MAR. 1998

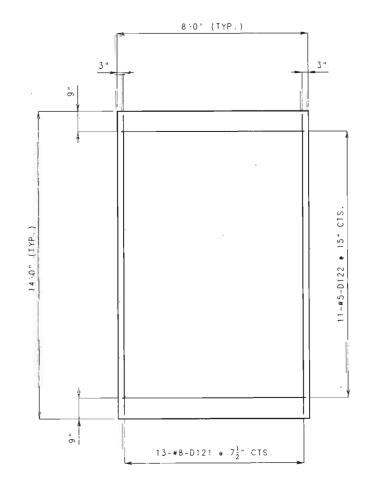
JACKSON

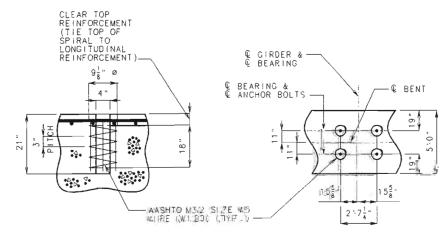
COUNTY











DETAIL OF ANCHOR BOLT WELLS LOCATION OF ANCHOR BOLT WELLS

NOTES: FOR DETAILS OF EXPANSION BEAKINGS, SEE SHEET NO. 47. ALL REINFORCING BARS IN THE TOPS OF SUBSTRUCTURE BEAMS OR CAPS SHALL BE SPACED TO CLEAR ANCHOR BOLT WELLS FOR BEARINGS BY AT LEAST 1/2".

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 34.

PLAN OF FOOTING

CLASS 2 EXCAVATION CU.YDS. 28		QUANTI		
	5	165	CU.YDS.	CLASS 1 EXCAVATION
CLASS B CONCRETE (SUBSTRUCTURE) CU.YDS. 133	3	28	CU.YDS.	CLASS 2 EXCAVATION
Starting in Anniet to Good Late (April 1992) and Control of the Co	.1	133.1	CU.YDS.	CLASS B CONCRETE (SUBSTRUCTURE)
REHMFOREHME STEEL (BRIDGES) LBS. 20.8	20	20,820	LBS.	REIMFORCHING STEEL (BRIDGES)

MATE: THOSE QUANTITIES ARE INCLUDED IN THE ESTIMATED QUANTITIES TABLE ON SHEET NO. F.



PART DETAILS OF INTERMEDIATE BENT NO. 12

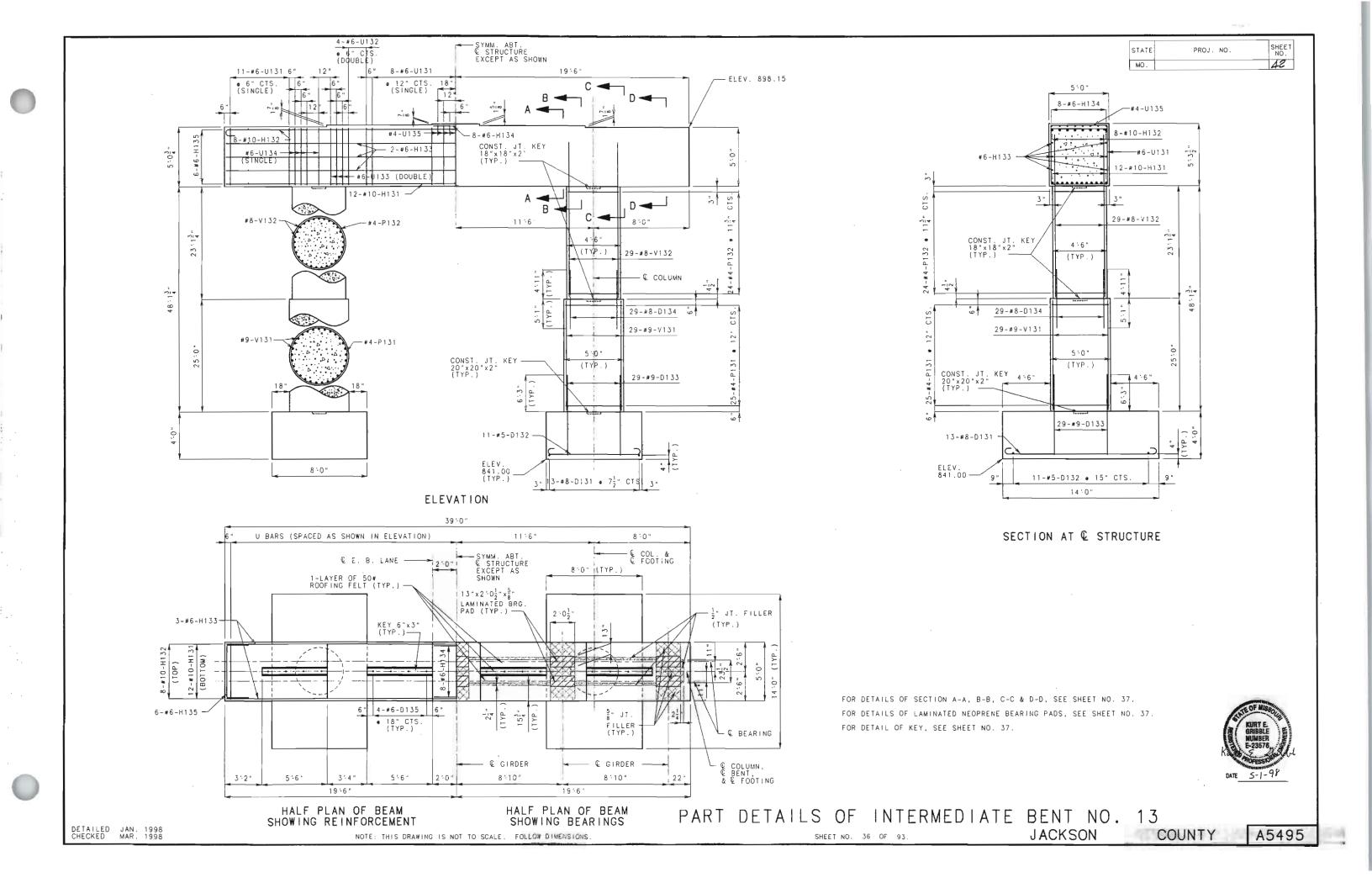
DETAILED JAN. 1998 CHECKED MAR. 1998

WOTE : THIS DARWING IS NOT TO SCALE. FOULDW DIMENSIONS.

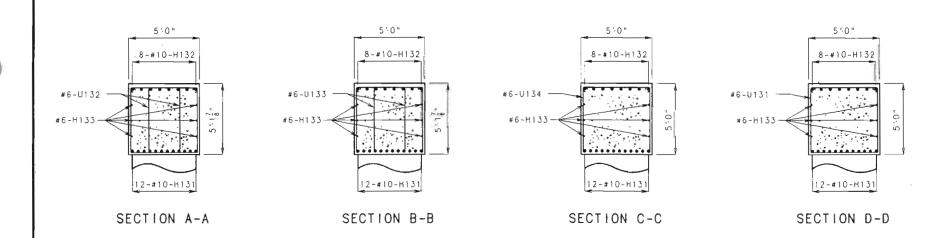
SHEET NO. 35 OF 93.

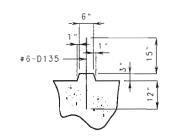
JACKSON

COUNTY

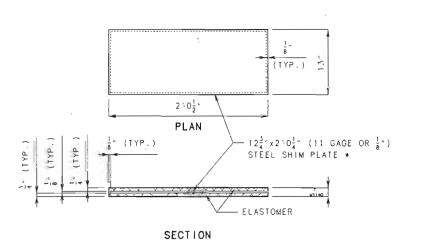


STATE PROJ. NO. SHEET NO. 43



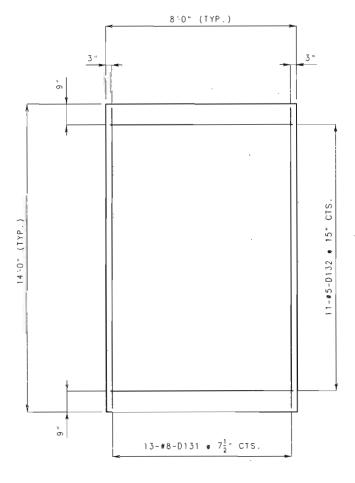


DETAIL OF KEY



DETAILS OF LAMINATED NEOPRENE BEARING PADS

 THE PEOUTRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOWER AND MOLDED TOGETHER TO FORM AN PATEGRAL LINET. FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 36.

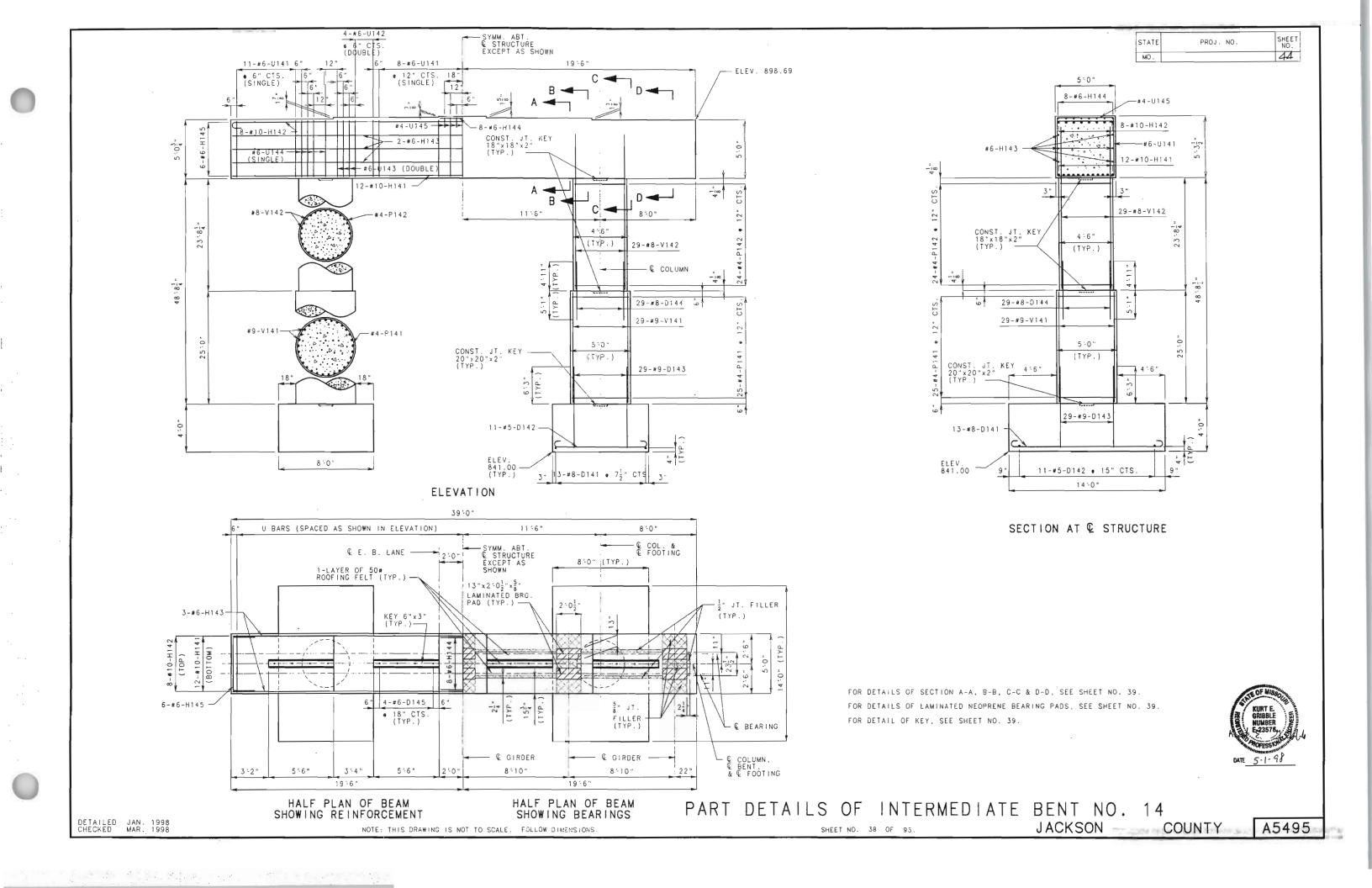


PLAN OF FOOTING

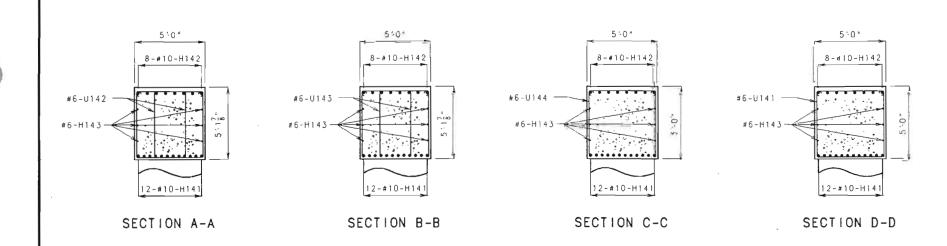
ITEM		QUANTITY
CLASS 1 EXCAVATION	CU.YDS.	175
CLASS 2 EXCAVATION	CU.YDS.	28
CLASS B CONCRETE (SUBSTRUCTURE)	CU.YDS.	133.9
REINFORCING STEEL (BRIDGES)	LBS.	20,910

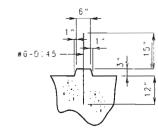


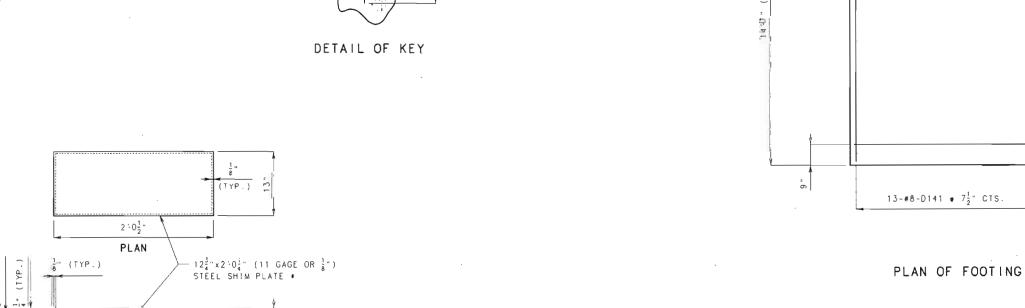
OUM TITLES TABLE ON SHEET NO. 7.











PART DETAILS OF INTERMEDIATE BENT NO. 14

DETAILS OF LAMINATED NEOPRENE BEARING PADS

SECTION

- ELASITUMER

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 38.

[TEM		QUANTIT
CLASS EXCAVATION	CU.YDS.	180
CLASS 2 EXCAVATION	CU.YDS.	28
CLASS B CONCRETE (SUBSTRUCTURE)	CU.YDS.	134.6
REINFORCING STEEL (BRIDGES)	LBS.	20,990

8:0" (TYP.)

NOTE: THESE QUANTITIES ARE INCLUDED IN THE ESTIMATED OPENITIFIES THELE ON SHEET NO. 7.



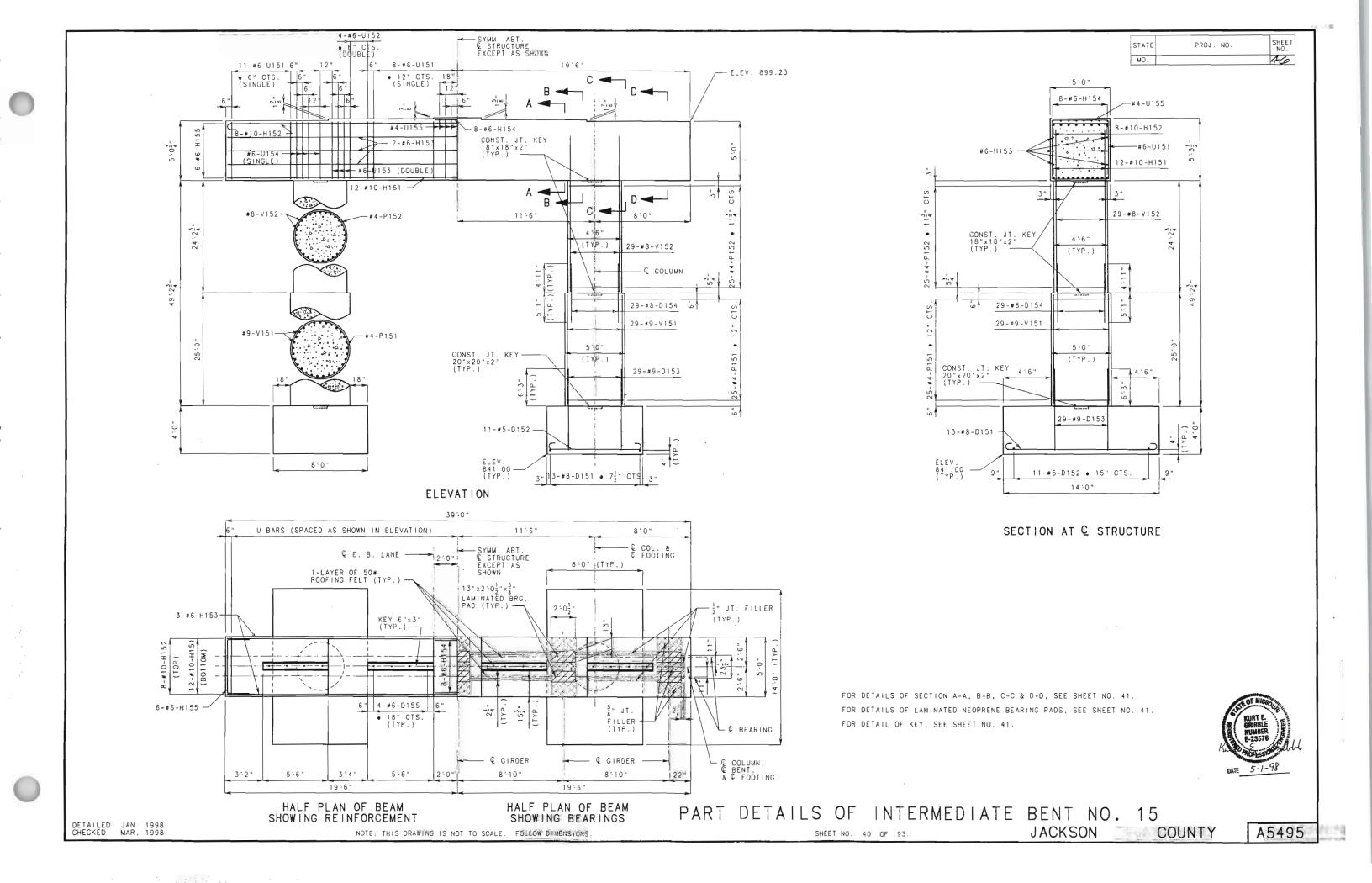
DETAILED JAN. 1998 CHECKED MAR. 1998

SHEET NO. 39 OF 93.

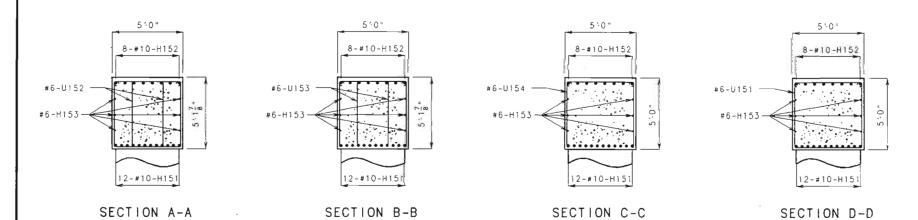
JACKSON

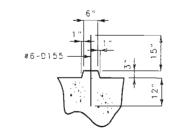
COUNTY

^{*} THE REQUIRED SAUN PLATE SHALL BE PLACED RETIMEEN LAMERS OF ELASTOMER AND MOLDED FOGETHER TO FORM AN INSTEGRAL UNIT.

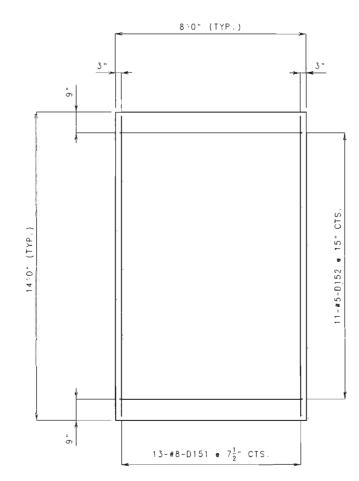


STATE PROJ. NO. SHEET NO.





DETAIL OF KEY



PLAN OF FOOTING

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TIEL SHIM PLATE STEEL SHIM PLATE ELASTOMER
SECTION

DETAILS OF LAMINATED NEOPRENE BEARING PADS

* THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOMER AND MOLDED TOGETHER TO FORM AN INTEGRAL UNIT.

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 40.

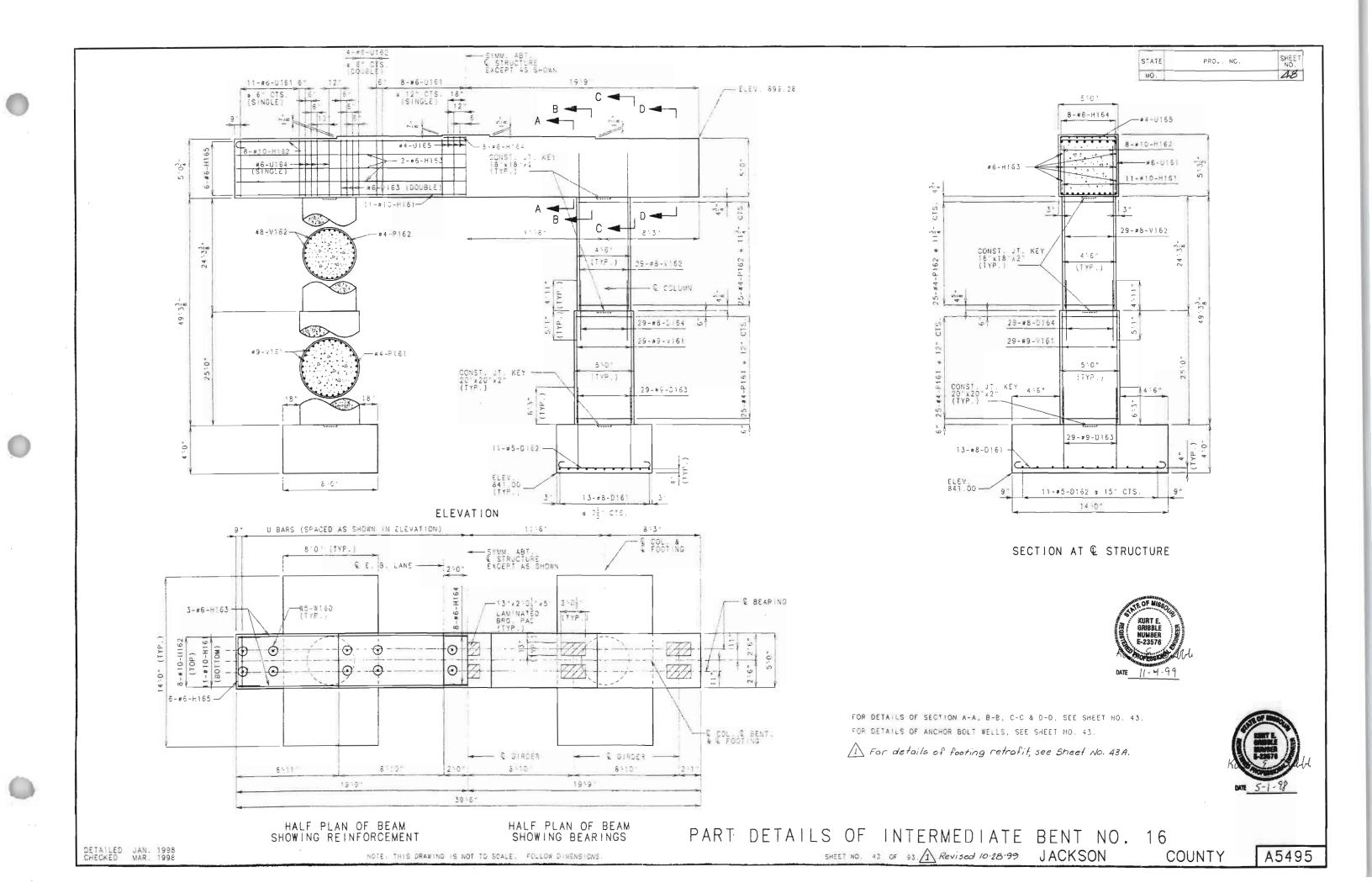
ITEM		QUANTITY
CLASS 1 EXCAVATION	CU.YDS.	180
CLASS 2 EXCAVATION	CU.YDS.	28
CLASS B CONCRETE (SUBSTRUCTURE)	CU.YDS.	135.2
REINFORCING STEEL (BRIDGES)	LBS.	21,090

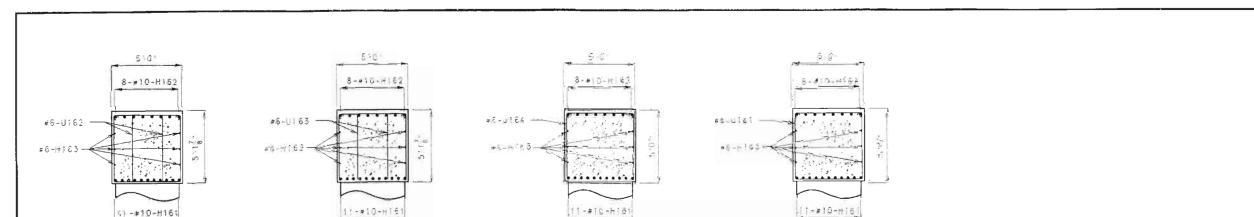
NOTE: THESE QUANTITIES ARE INCLUDED IN THE ESTIMATED QUANTITIES TABLE ON SHEET NO. 7.

JACKSON



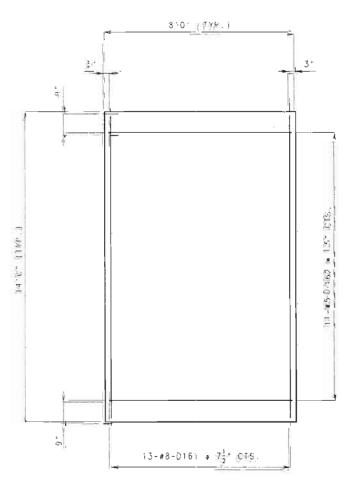
PART DETAILS OF INTERMEDIATE BENT NO. 15





11-#10-hi81

SECTION C-C

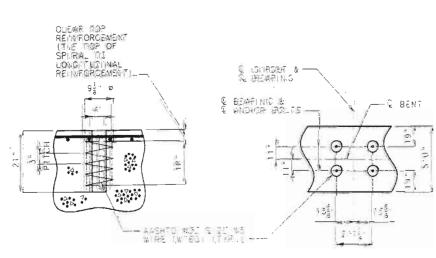




SHEET NO.

STATE

PROJ. NO.



11-#10-H161

SECTION B-B

DETAIL OF ANCHOR BOLT WELLS

11-#10-H161

SECTION A-A

LOCATION OF ANCHOR BOLT WELLS

NOTE: THIS DRAW WE IS NOT TO SEALE. FILLOW SITEMED ONE

NOTES: FOR CETAILS OF EXPANSION BEARINGS, SEE SHEET NO. 47. ALL REMIFORCING BARS IN THE TOPE OF SUBSTRUCTURE BEAMS OR CAPS SHALL BE SPECET TO DESA ANOMOR BOLT WELLS FOR BEARINGS BY AT LEAST 172

FOR LOCAT DA 196 SECTION 4-4, 8-6, 0-0 & 3-0, SEE SHEET NO. 42. 1 For details of footing retrofit, see Sheet. No. 43A.

SECTION D-D

RETHING STEEL BY DOLES Resin Anchor Systems Each

LASS & CONCRETE (SUBSTRUCTURE)

PLAN OF FOOTING

ITEM

CLASS I EXCANATION

CLASS 2 EXCAVATION

SUBSTRUCTURE QUANTITY TABLE FOR BENT #16

Oc . Y55 .

CI.YOS

Qu. 405

QUANTITY 252.0 1 32,190

PART DETAILS OF INTERMEDIATE BENT NO. 16

28

21.05 536

13 Spa. @ 13#-

SECTION THRU COLUMN SHOWING RESIN ANCHOR SPACING

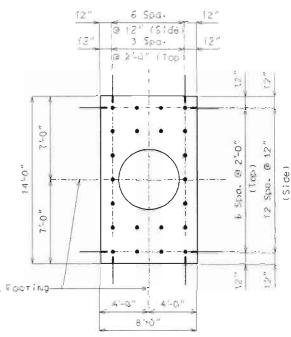
The contractor shall use one of the resin anchor systems listed in the job special provisions. These anchor systems shall be installed according to the manufacturer's specializations, except as modified by the job special provisions. The contractor shall use an epoxy bonding agent.

Cost of furnishing and installing the anchor system complete in place shall be included in the price bid for Resin Anchor Systems per each.

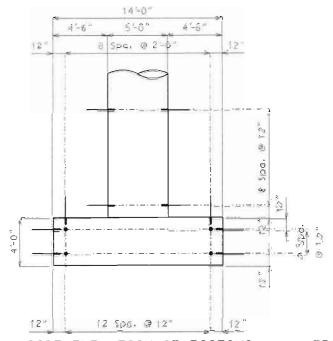
The 1" diameter resin anchor systems shall have a minimum ultimate pullout strength of 33.600 lbs. in concrete with fix = $\frac{1}{2}$ 4,000 psi, see special provisions.

Surface cracks in the substructure shall be pressure grouted with epoxy, see special provisions.

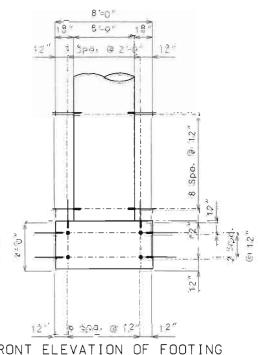
A #8 Grade 60 reinforcing bor may be substituted for the 1" diameter threaded rod studs.



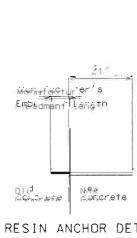
PLAN OF FOOTING SHOWING RESIN ANCHOR SPACING



SIDE ELEVATION OF FOOTING SHOWING RESIN ANCHOR SPACING



FRONT ELEVATION OF FOOTING SHOWING RESIN ANCHOR SPACING



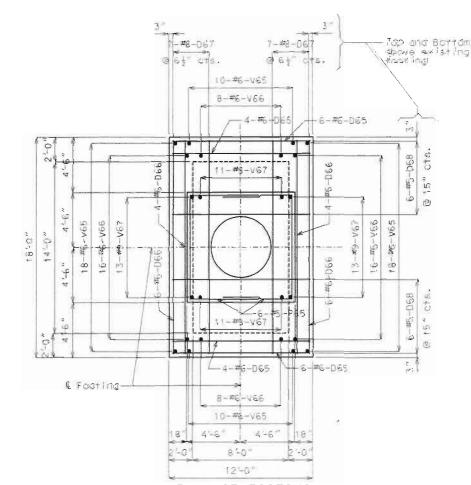
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S+p+e

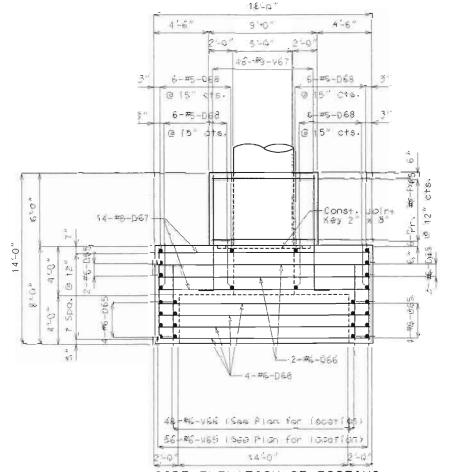
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-SAHS

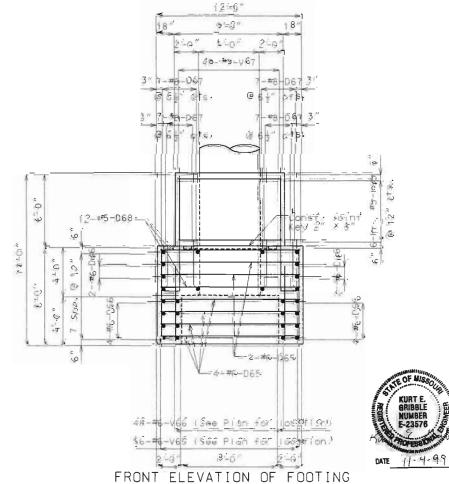
RESIN ANCHOR DETAIL



PLAN OF FOOTING SHOWING REINFORCEMENT



SIDE ELEVATION OF FOOTING SHOWING REINFORCEMENT



SHOWING REINFORCEMENT

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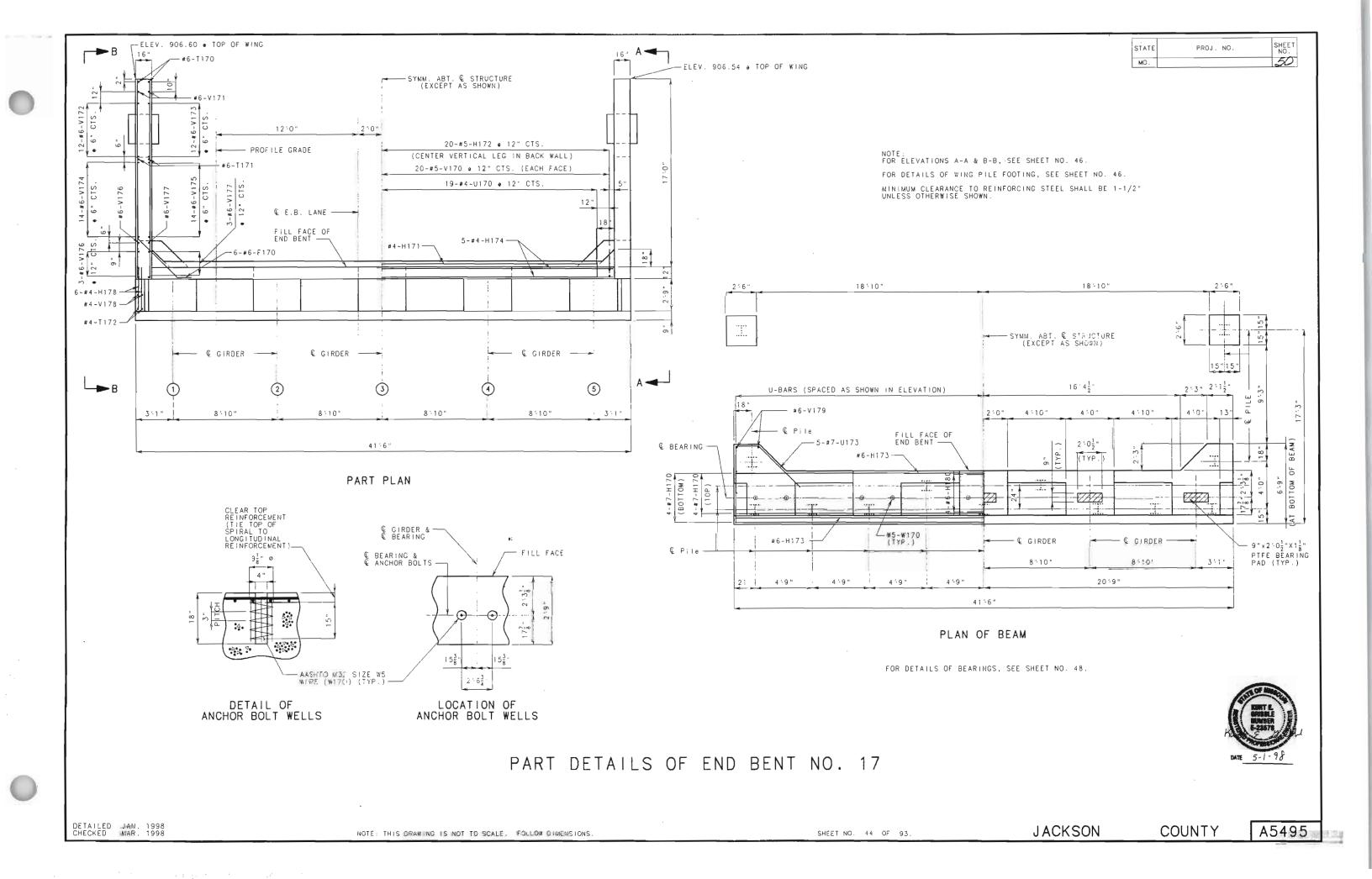
Note: This drawing is not to scale. Follow timensions.

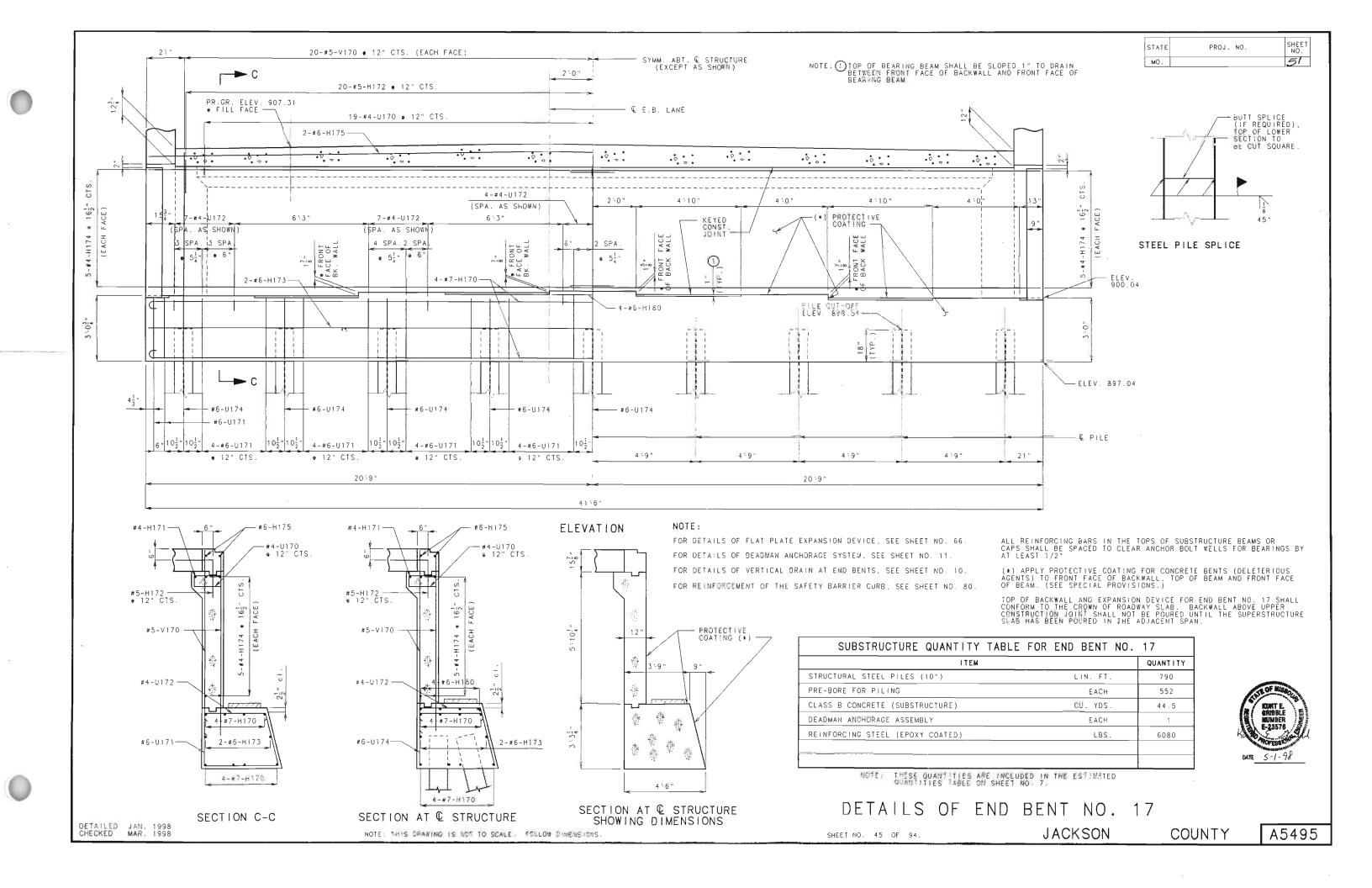
/1\ Added sheet 10-28-99

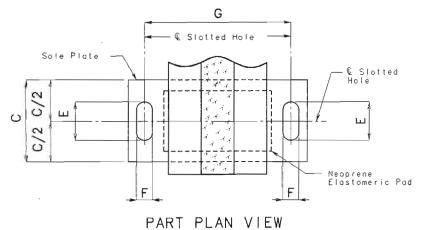
JACKSON COUNTY

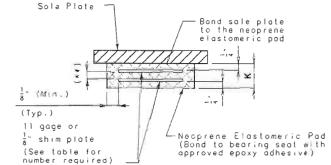
A5495

Sheet No. 43A of 93.









NEOPRENE ELASTOMERIC PAD

(**) Egyers of $\frac{1}{2}$ " elastomer alternating with 11 gage of $\frac{1}{a}$ " steel shim plate.

GENERAL NOTES:

Archor bolts shall be 1 diameter ASTM A709 Grade 55% steel swedged bolts and shall extend (2) into the concrete with A194-2, 2H, or A563-C, C3, D, DH, DH3 heavy hexagon nuts. Actual manufacturer's certified mill test reports (them.col and mechanical) shall be provided. Swedding shall be 1" less than extension into the concrete

All structural steel for anthor bolts and heavy hexagon nuts shall be coated with a minimum of two coats of inorganic zine primer (5 mils minimum) or galvanized in accordance with ASTM ATS3.

Neaprene Elastomeric Pads shall be 60 Durometer. The neaprene pad shall be bonded to the bearing seat with an epoxy adhesive as approved by the bearing manufacturer for bonding neoprene to concrete

The sole plote shall be furnished with the bearing and field welded to the girders. $\label{eq:constraint} % \begin{subarray}{ll} \end{subarray} % \begin{subarray}{ll} \end{subarray}$

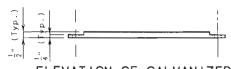
Structural steel for the sole picte shall be ASTM A709 Grade 36 and shall be coated with a minimum of 2 coats of inorganic zinc primer (5 mills minimum).

The accepted quantity of the elastomeric bearing assemblies, complete-in-place, will be poid for at the contract unit price for Lominoted Neoprene Bearing Pads, (prestress structures), each.

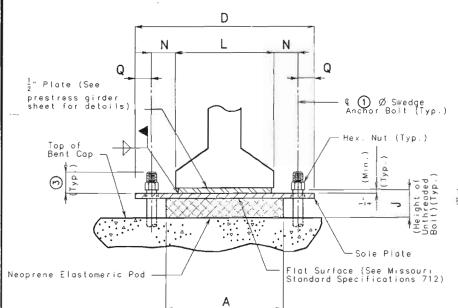
Payment for the sale plate, anchor boits and heavy hexagon nuts shall be included in the cost of the bearing assembly. See Special Provisions.

Provide a 1/2" stopper plote to prevent the loss of support due to creeping of neoprene bearings from under girders at expansion bearings.

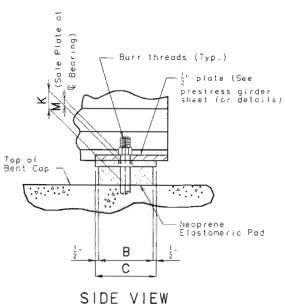
Payment for all galvanized material shall be included in the cost of laminated neoprene bearing pods, (prestressed structures), each.

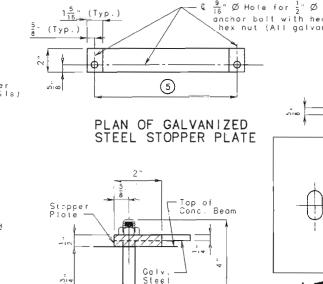


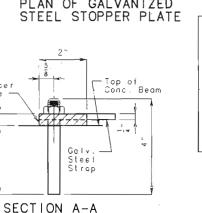
ELEVATION OF GALVANIZED STEEL STOPPER PLATE

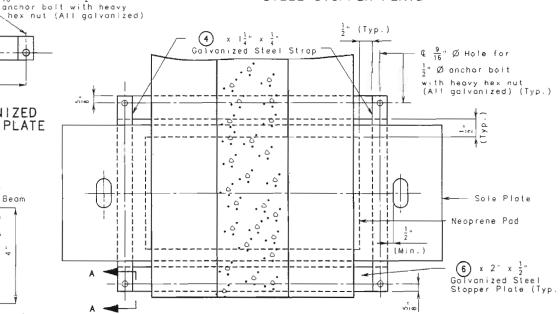


END VIEW

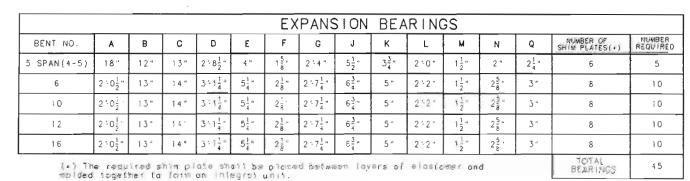


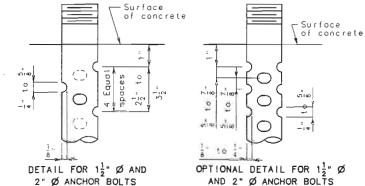






PART PLAN SHOWING STOPPER PLATE





SWEDGE ANCHOR BOLT DETAILS

- (1) $1\frac{1}{2}$ " (Bent No. 5 [Secon 4-5)), 2" (Bents No. 6, 10, 12, & 16)
- (2) 15" (Bent No. 5 (Spon 4-5)), 18" (Bents No. 6, 10, 12, & 16)
- 3 $2\frac{1}{4}$ " (Bent No. 5 (Span 4-5)), $2\frac{1}{2}$ " (Bents No. 6, 10, 12, & 16)
- 4 17" (Bent No. 5 (Span 4-5)) 18" (Bents No. 6, 10, 12, & 16)
- $20\frac{1}{4}$ " (Bent No. 5 (Span 4-5)) $2.2\frac{3}{4}$ " (Bents No. 6, 10, 12, & 16)
- (6) $21\frac{1}{2}$ " (Bent No. 5 (Spon 4-5)) 2'4" (Bents No. 6, 10, 12, & 16)

JACKSON



DETAILS OF LAMINATED NEOPRENE BEARINGS

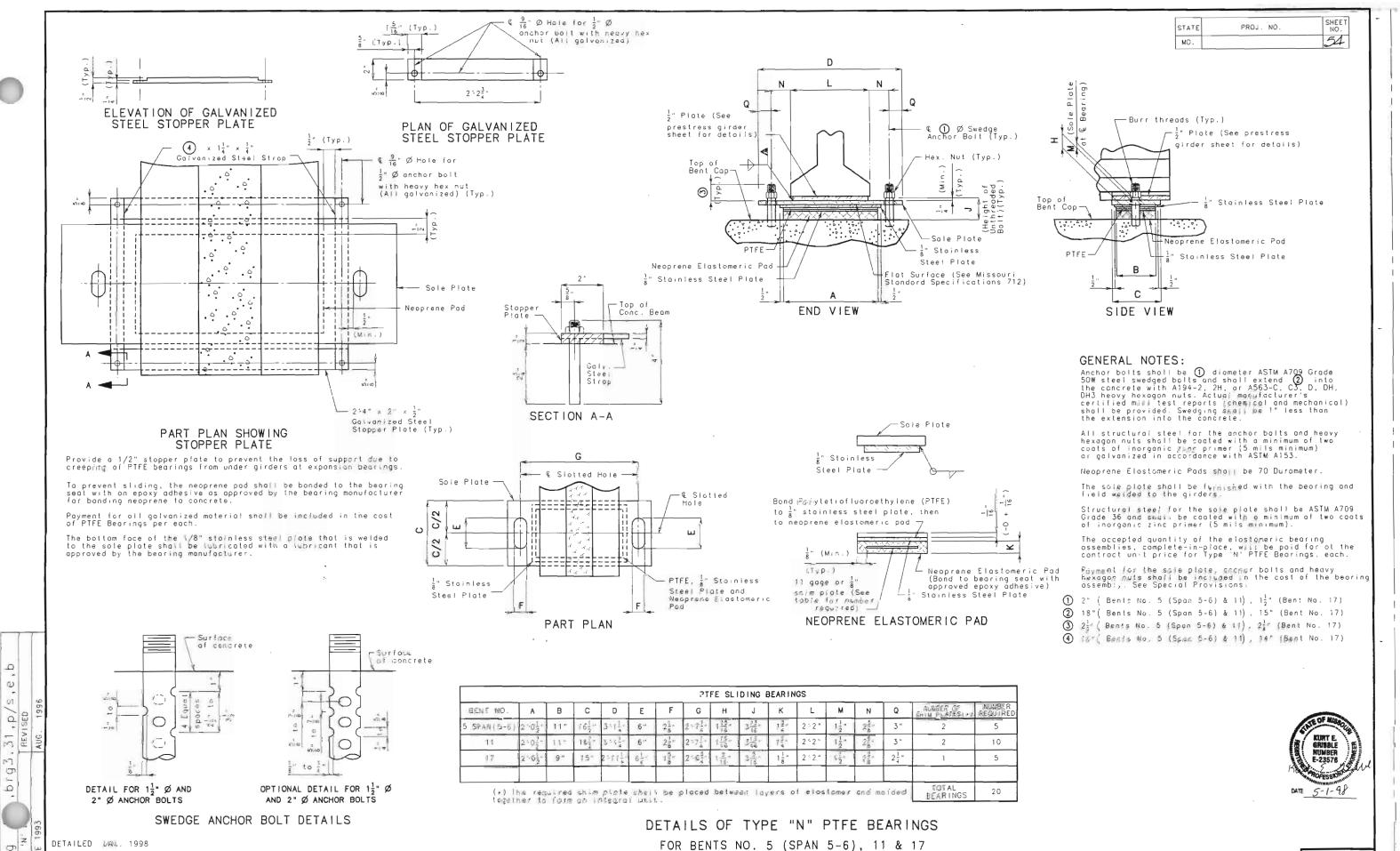
FOR BENTS NO. 5 (SPAN 4-5), 6, 10, 12 & 16 (PRESTRESSED STRUCTURES)

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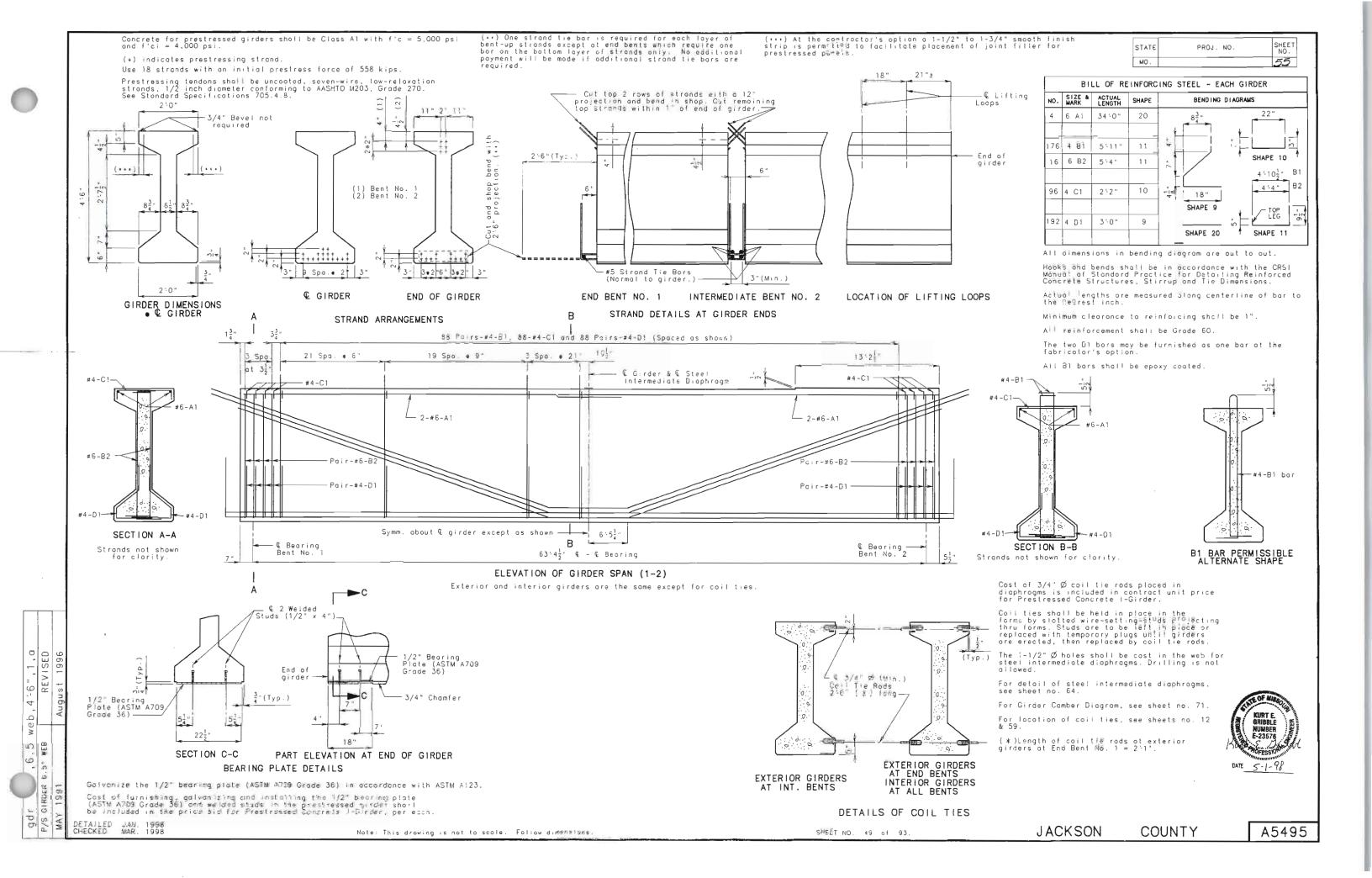


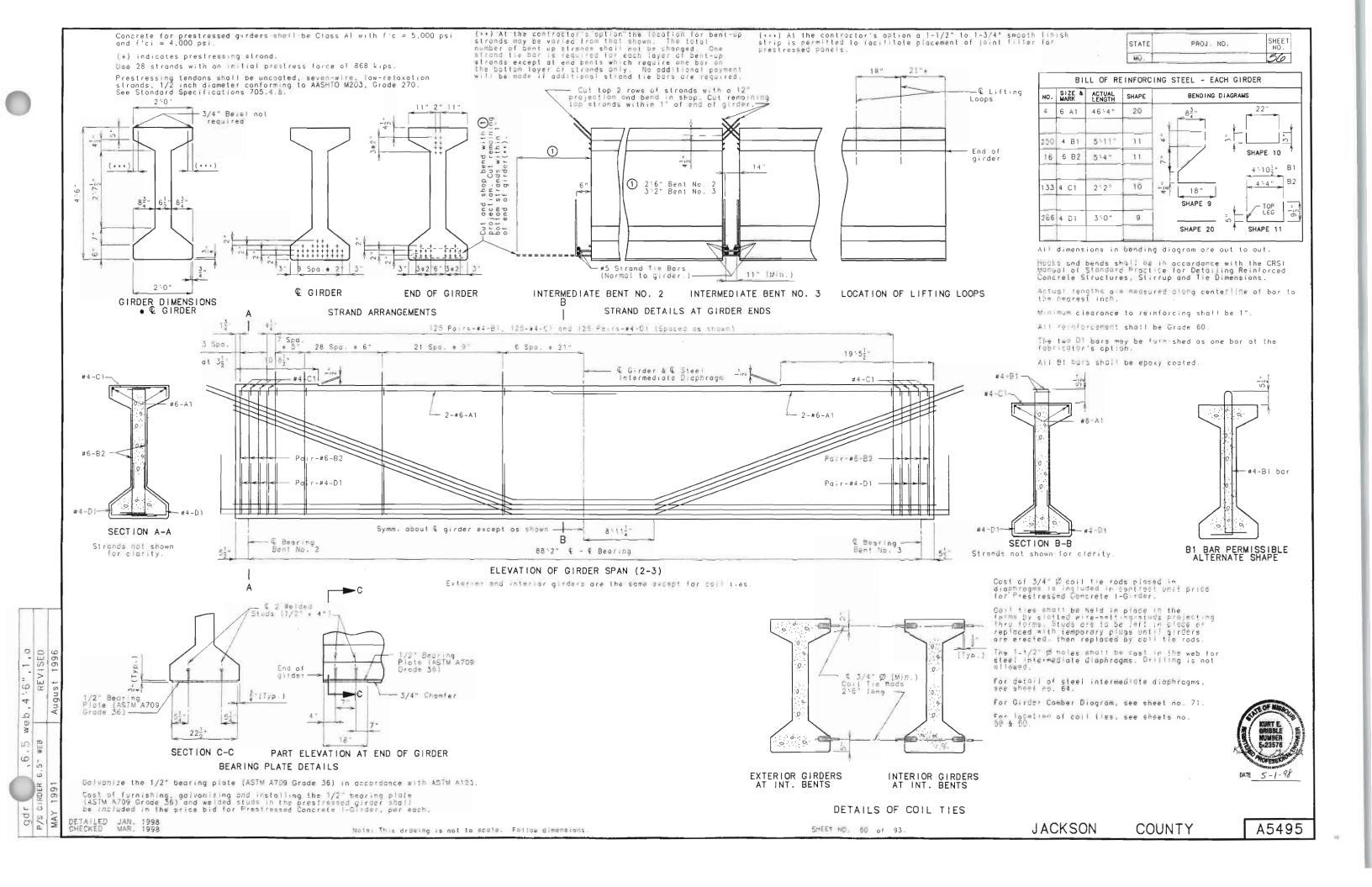
JACKSON

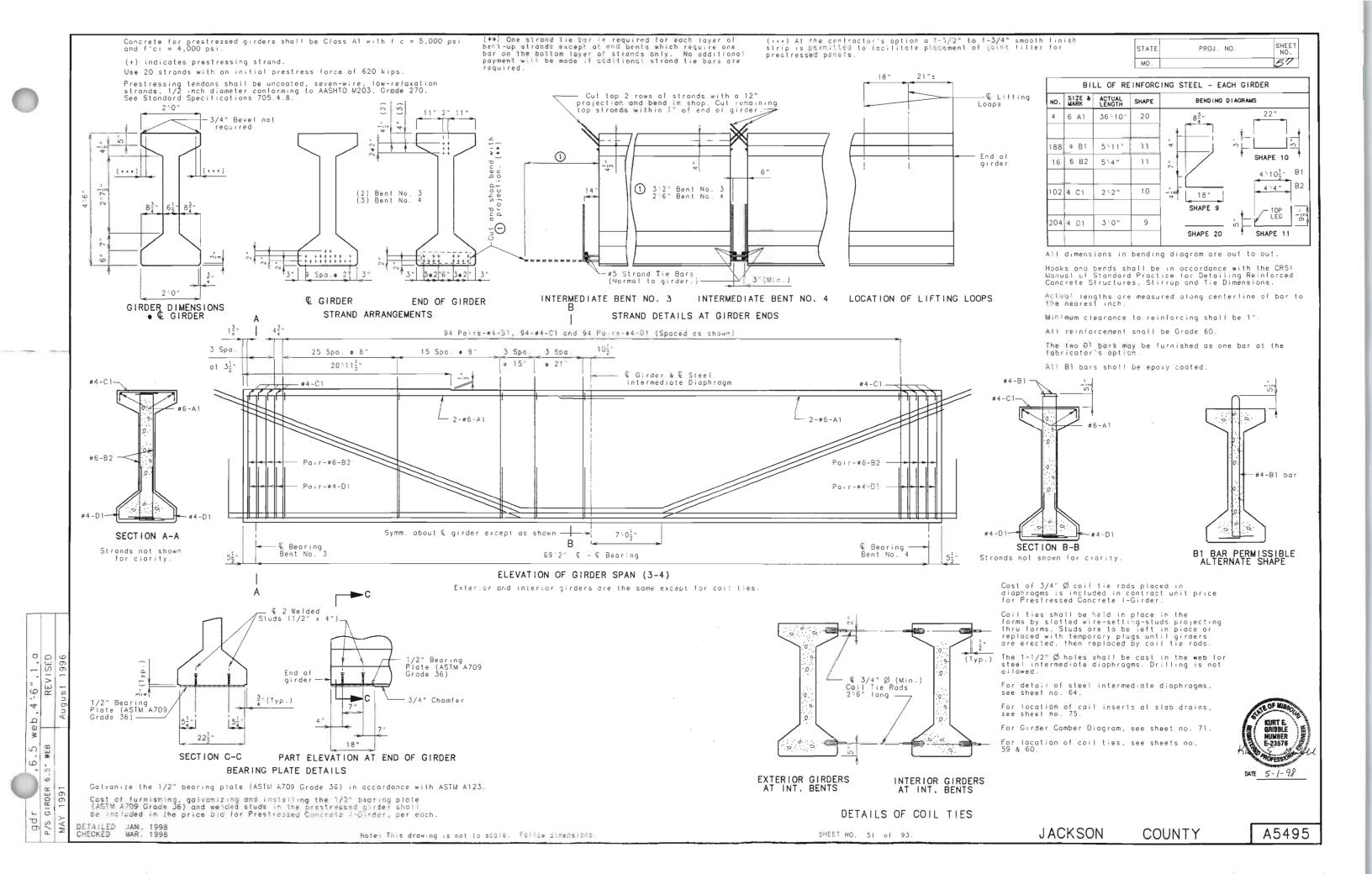
COUNTY

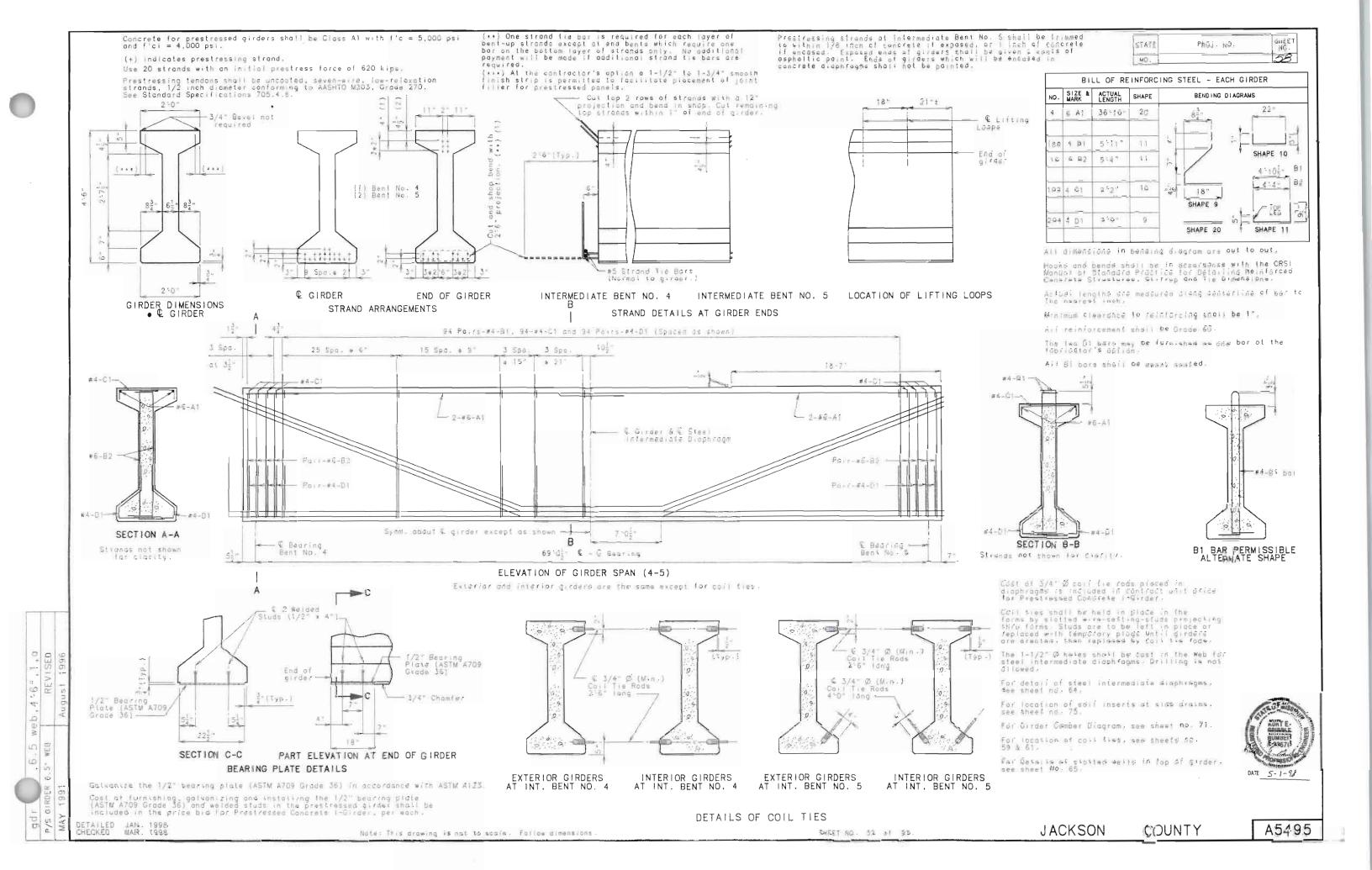
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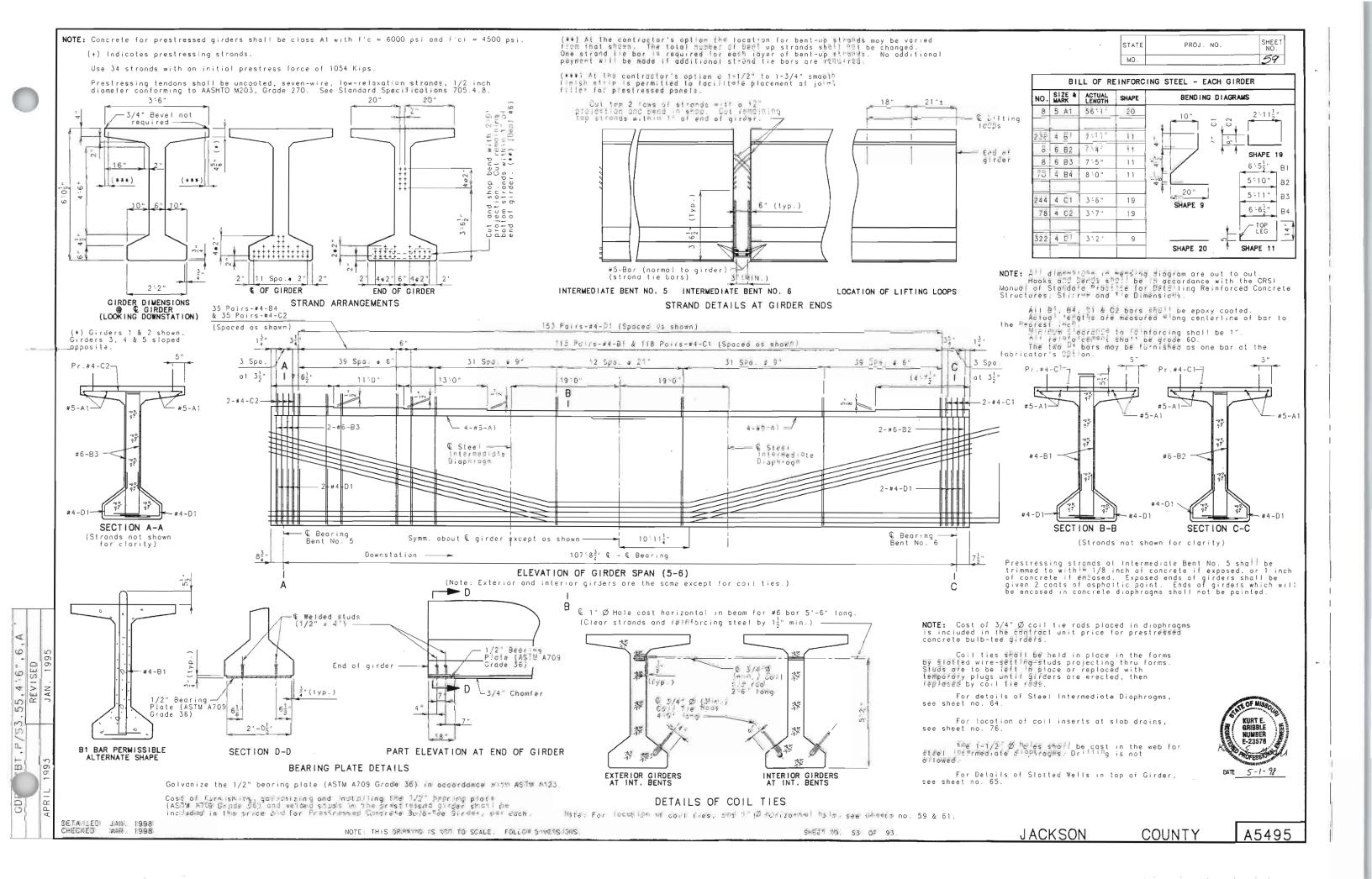
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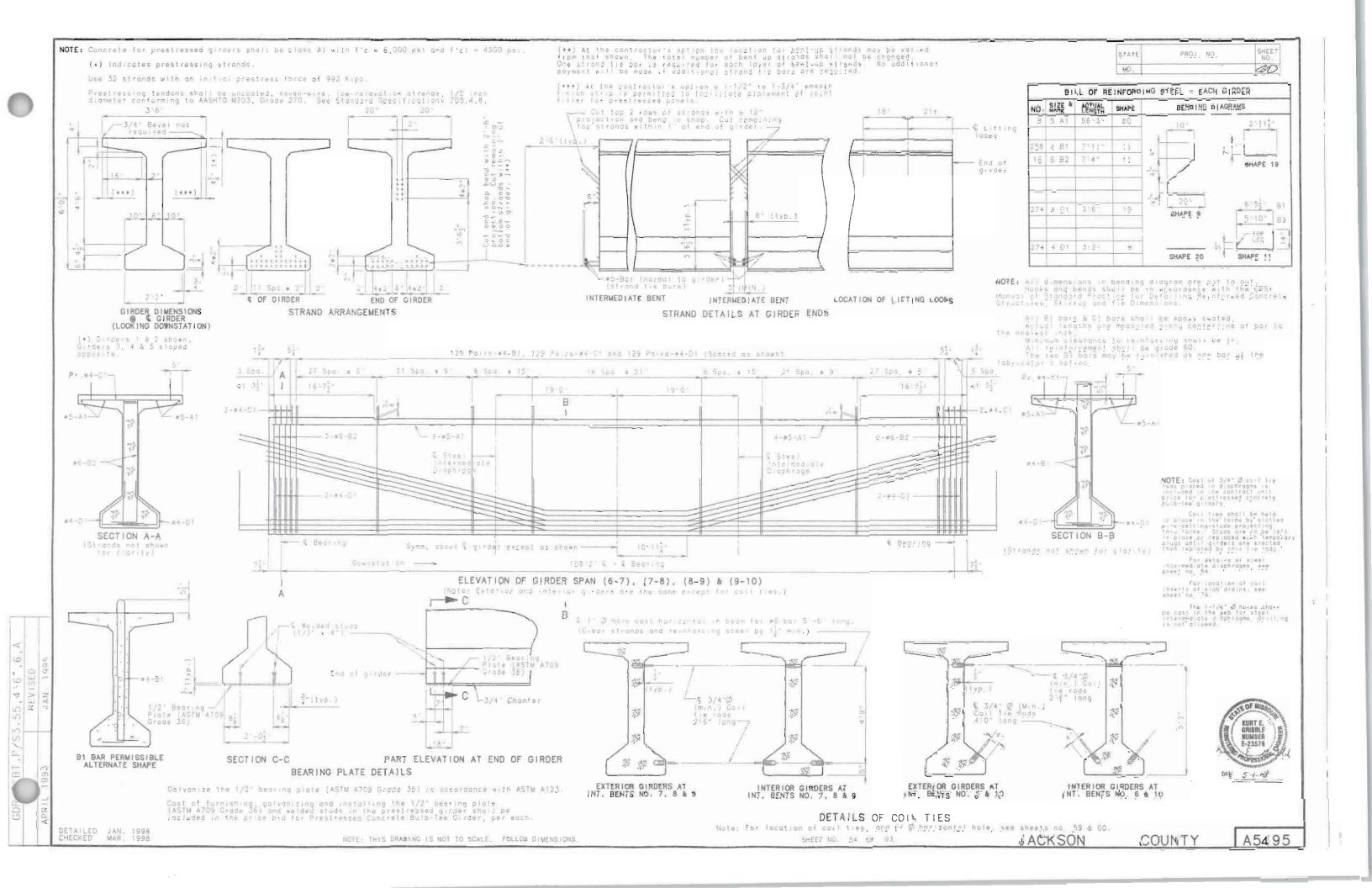


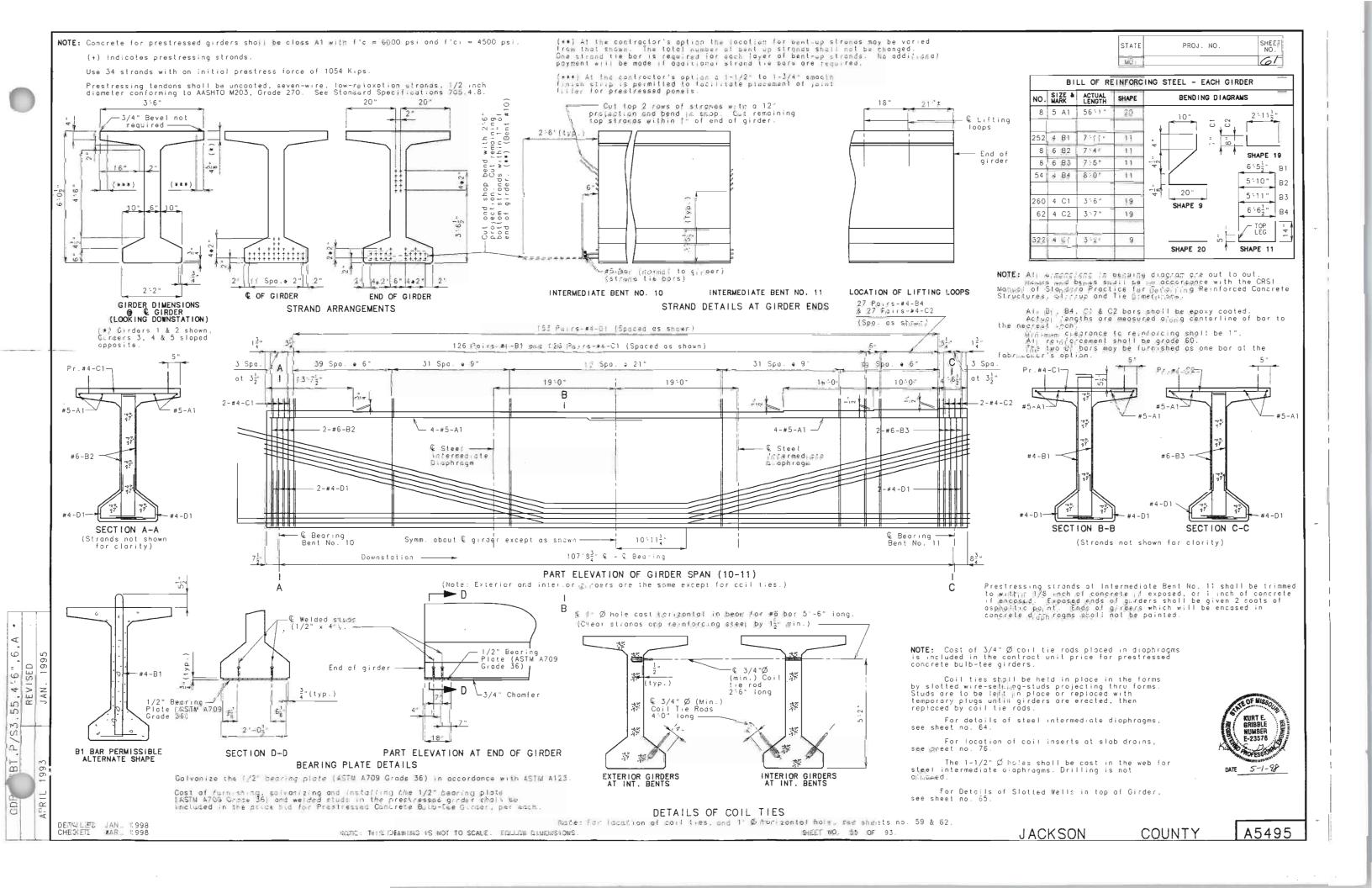


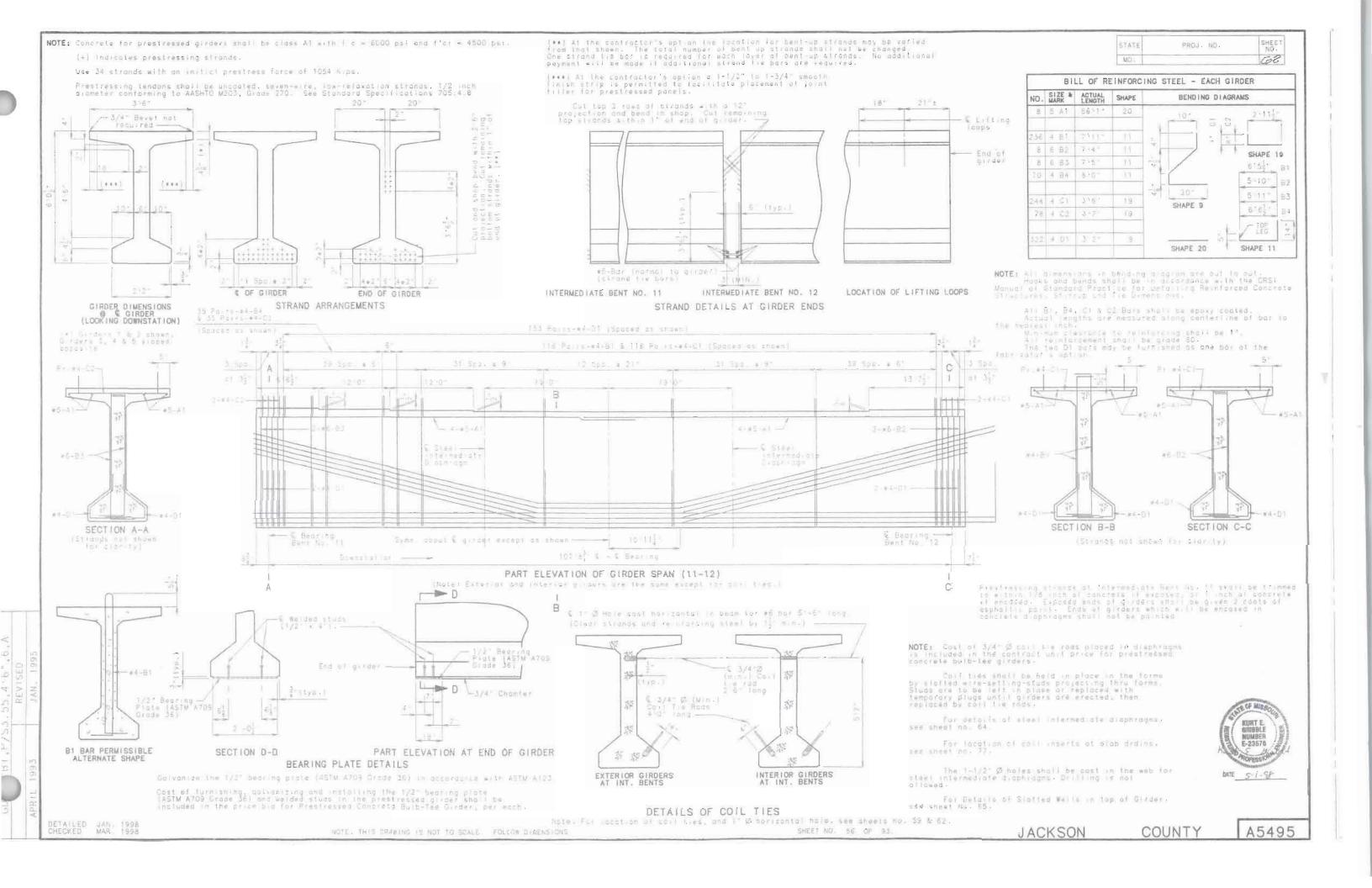


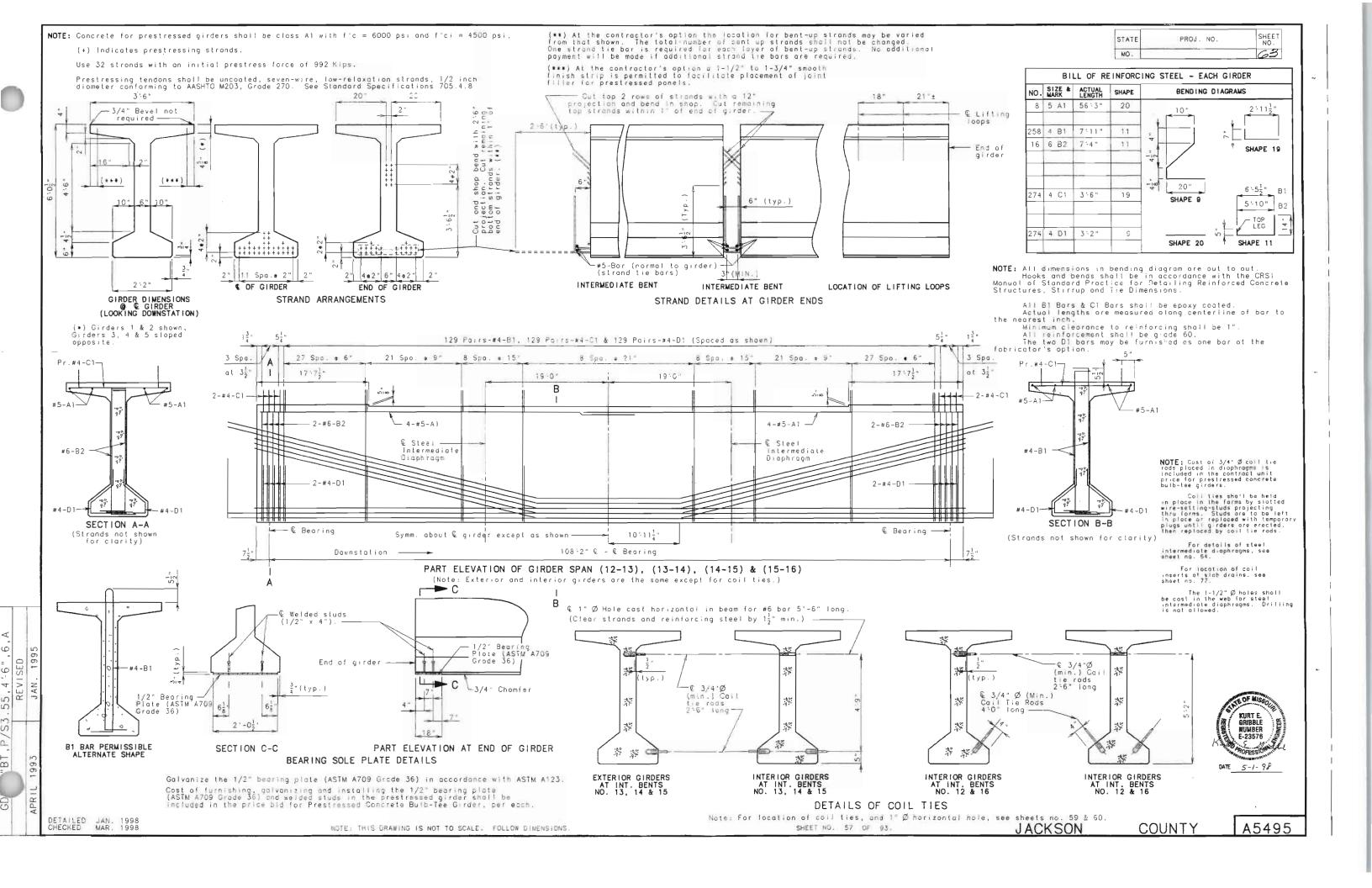


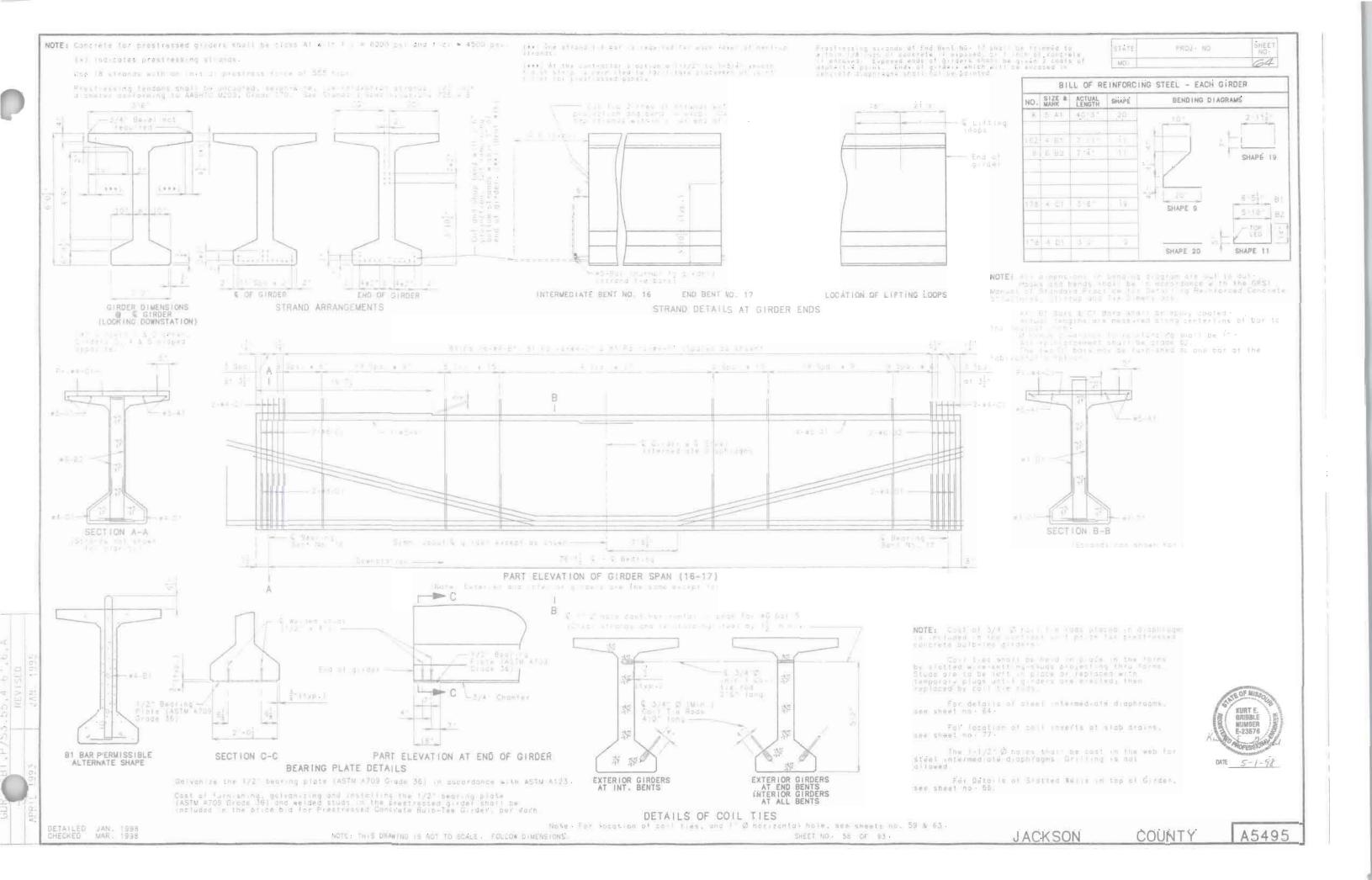


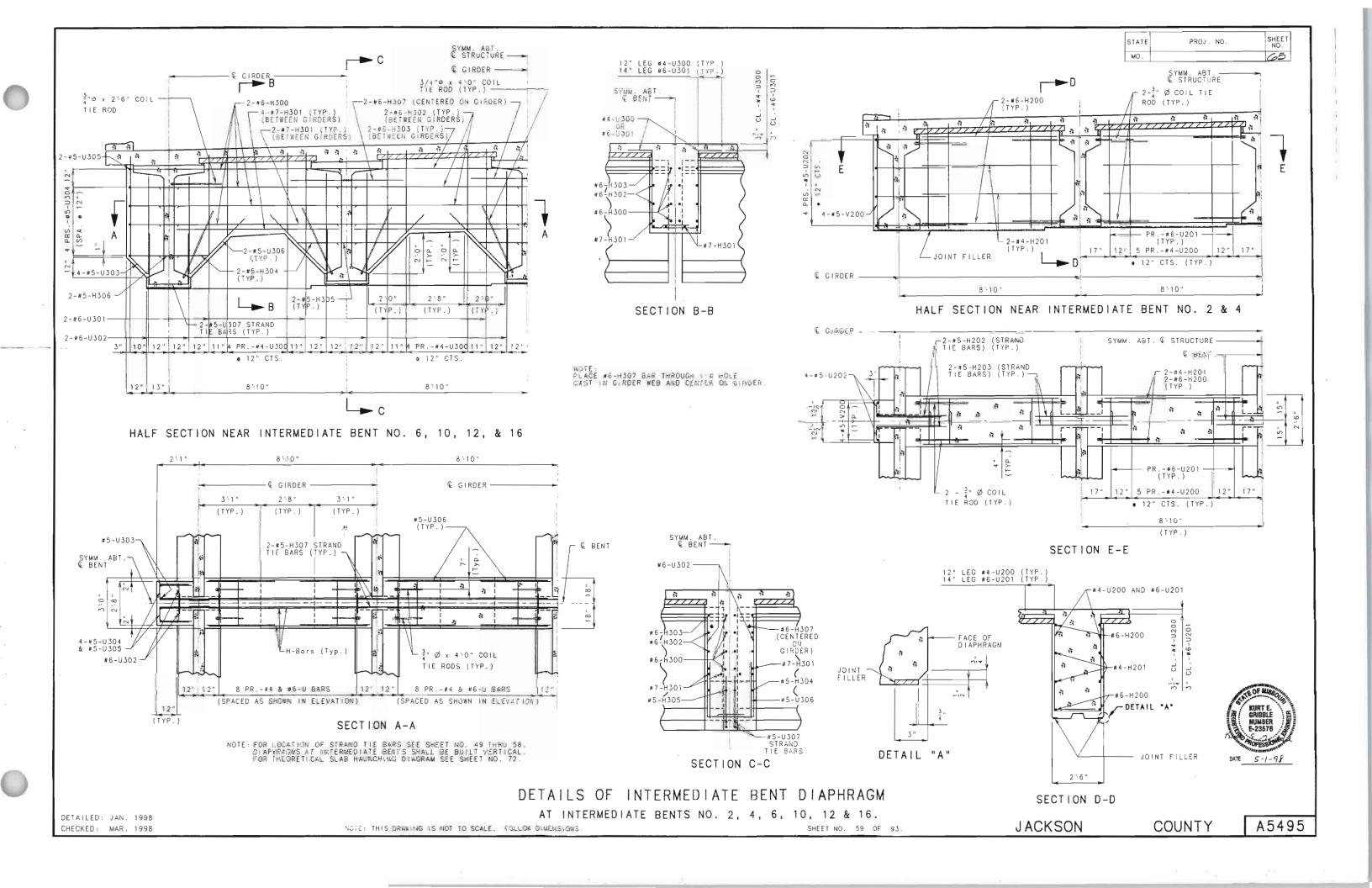


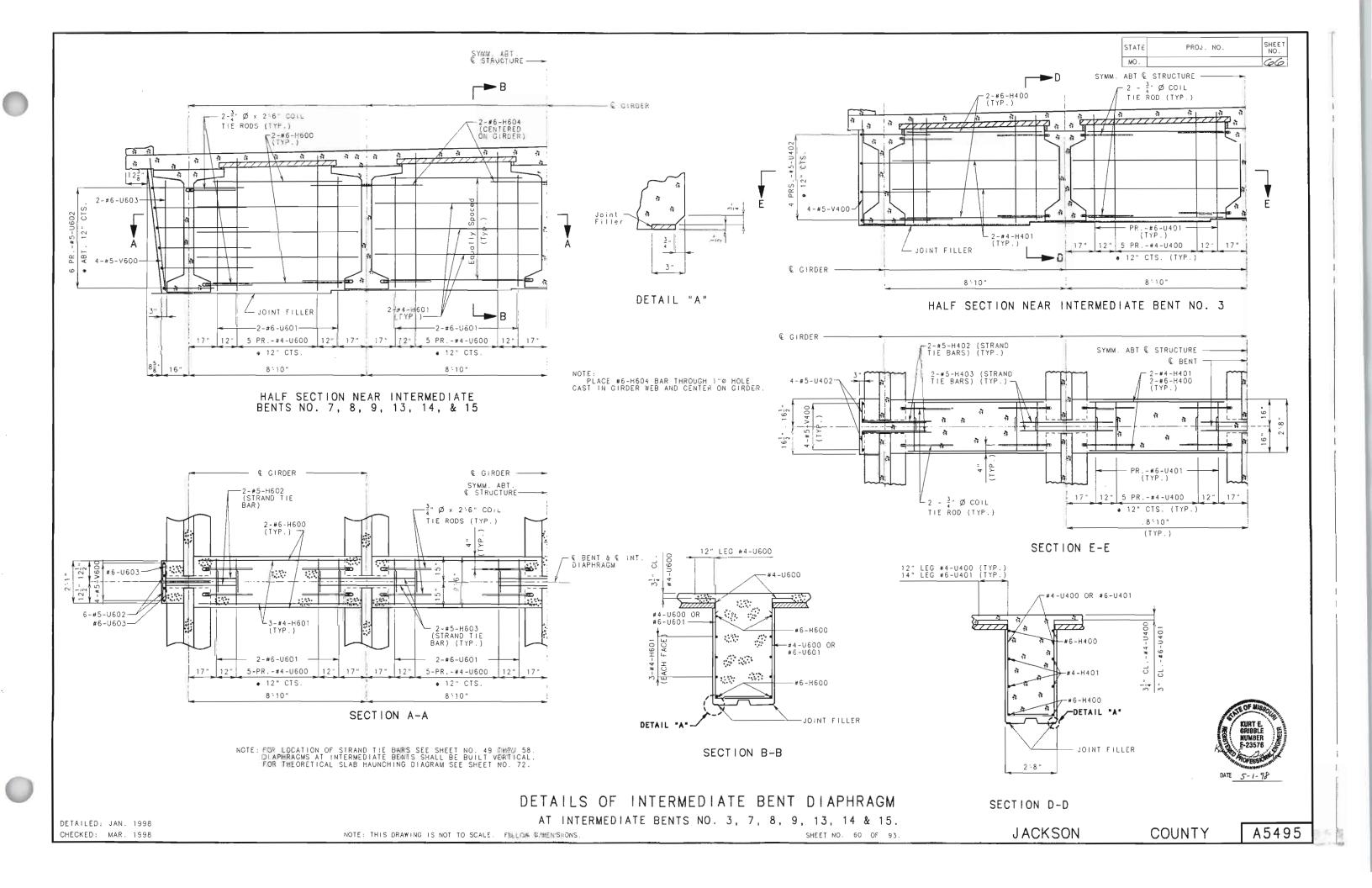


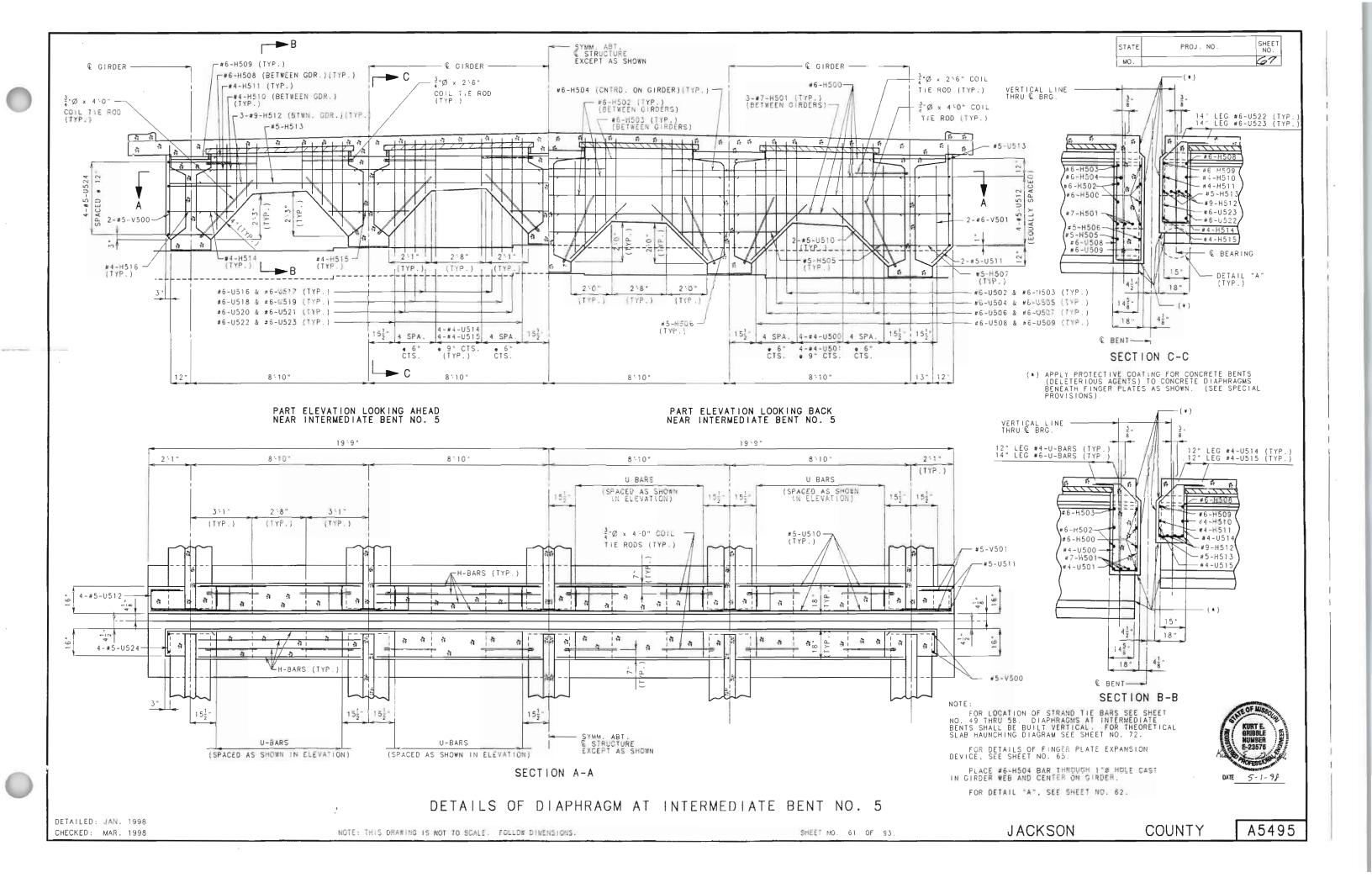


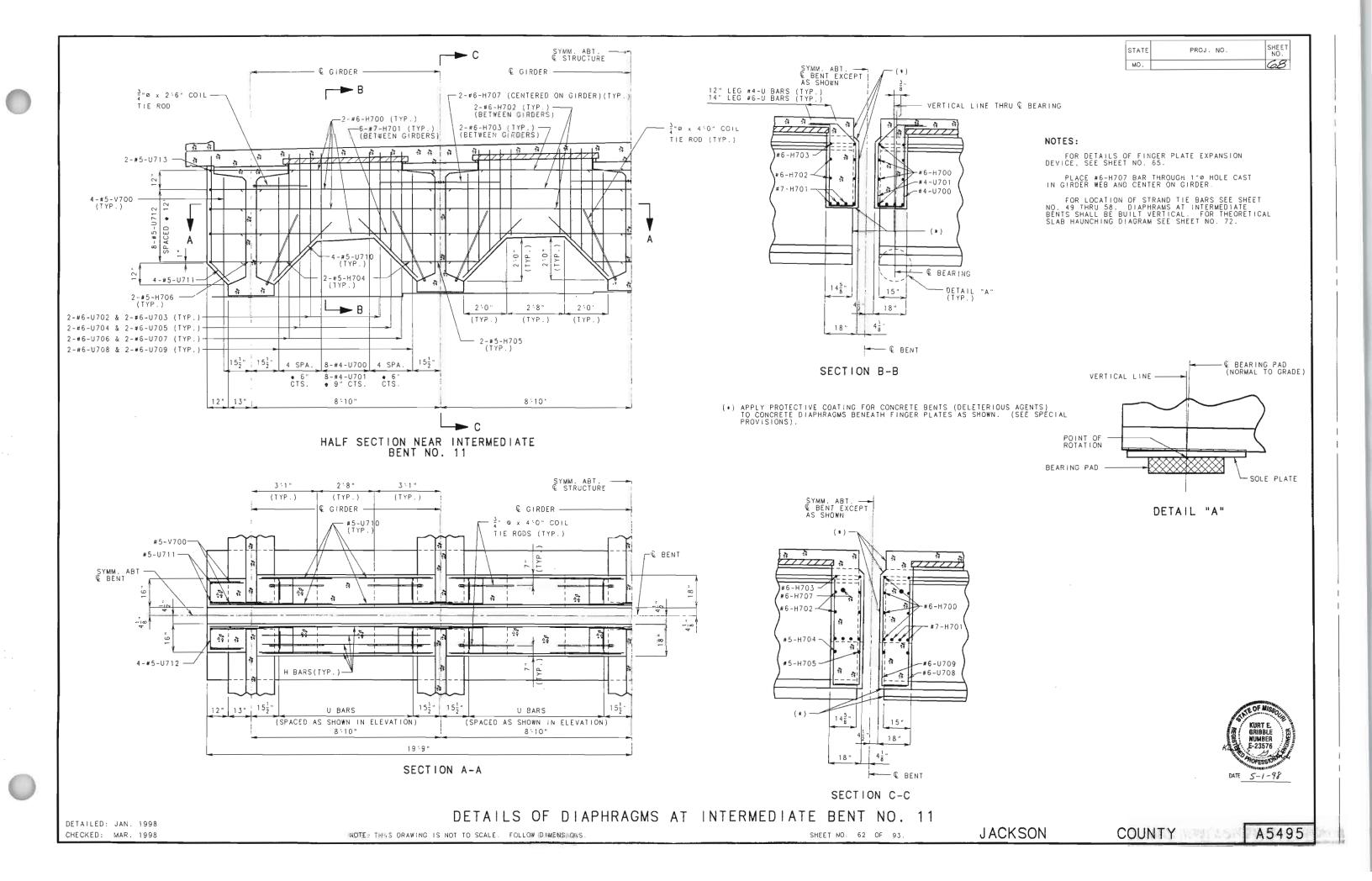


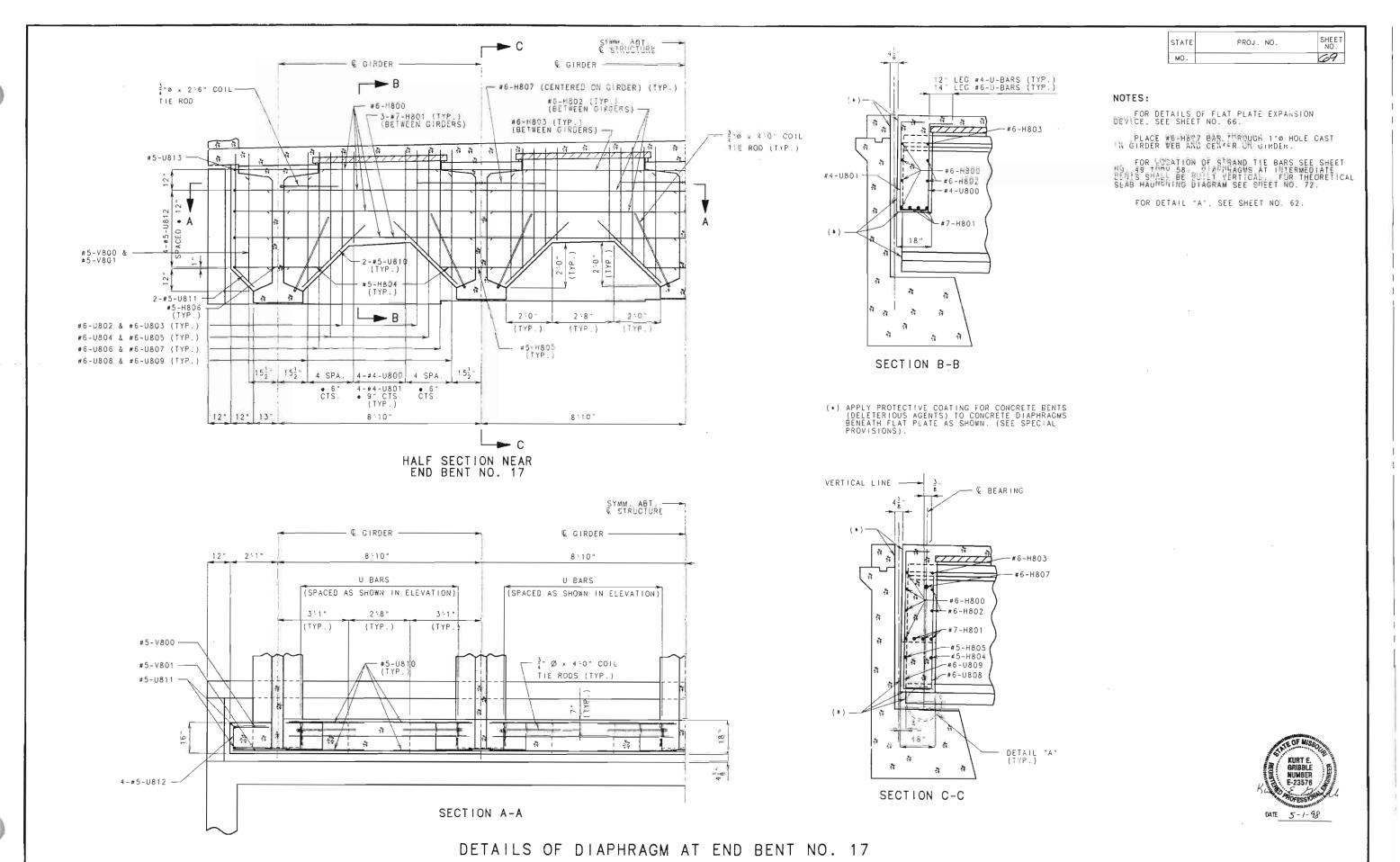












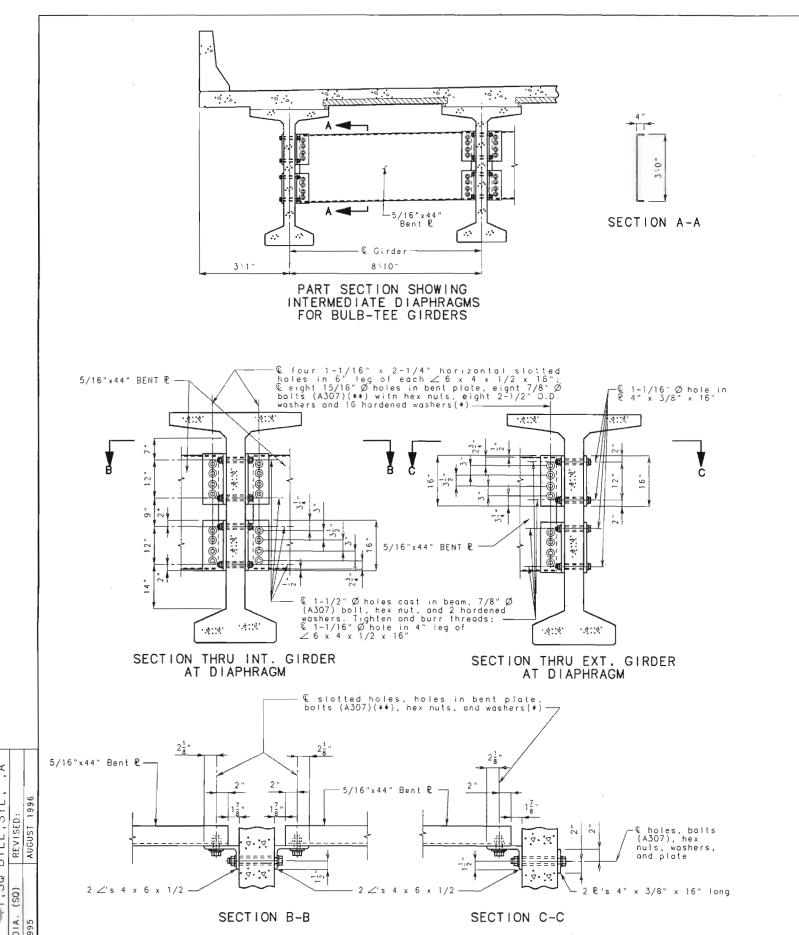
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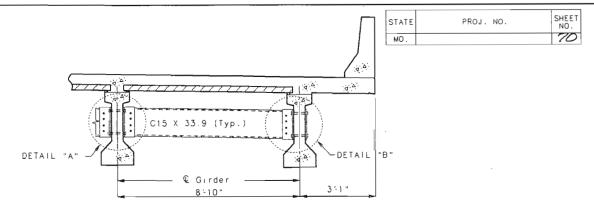
SHEET NO. 63 OF 93.

JACKSON

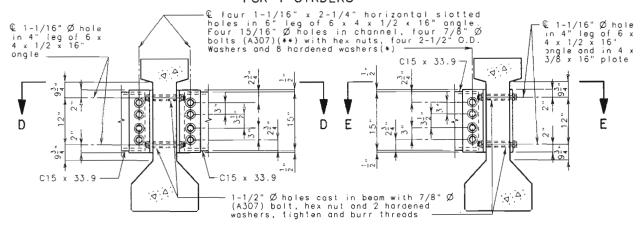
COUNTY



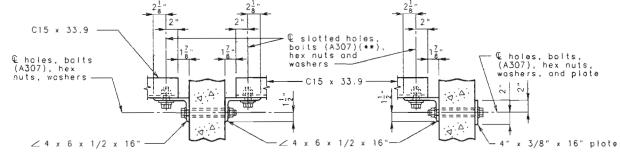
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PART SECTION SHOWING INTERMEDIATE DIAPHRAGMS FOR I-GIRDERS



DETAIL "A" DETAIL "B"



SECTION E-E

COUNTY

STEEL DIAPHRAGM NOTES:

- * In Tieu of 2-1/2" O.D. washers, contractor may substitute a 3/16" (min. thickness) plate with four 15/16" Ø holes and one hordened washer per bolt.
- ** These bolts shall be tightened to provide a tension of one-holf that specified by Section 712.10.2 of the Missouri Standord Specifications. A325 bolts may be substituted for and installed in accordance with the requirements for the specified A307 bolts.
 - All diaphragm materials including bolts, nuts, and washers shall be galvanized.

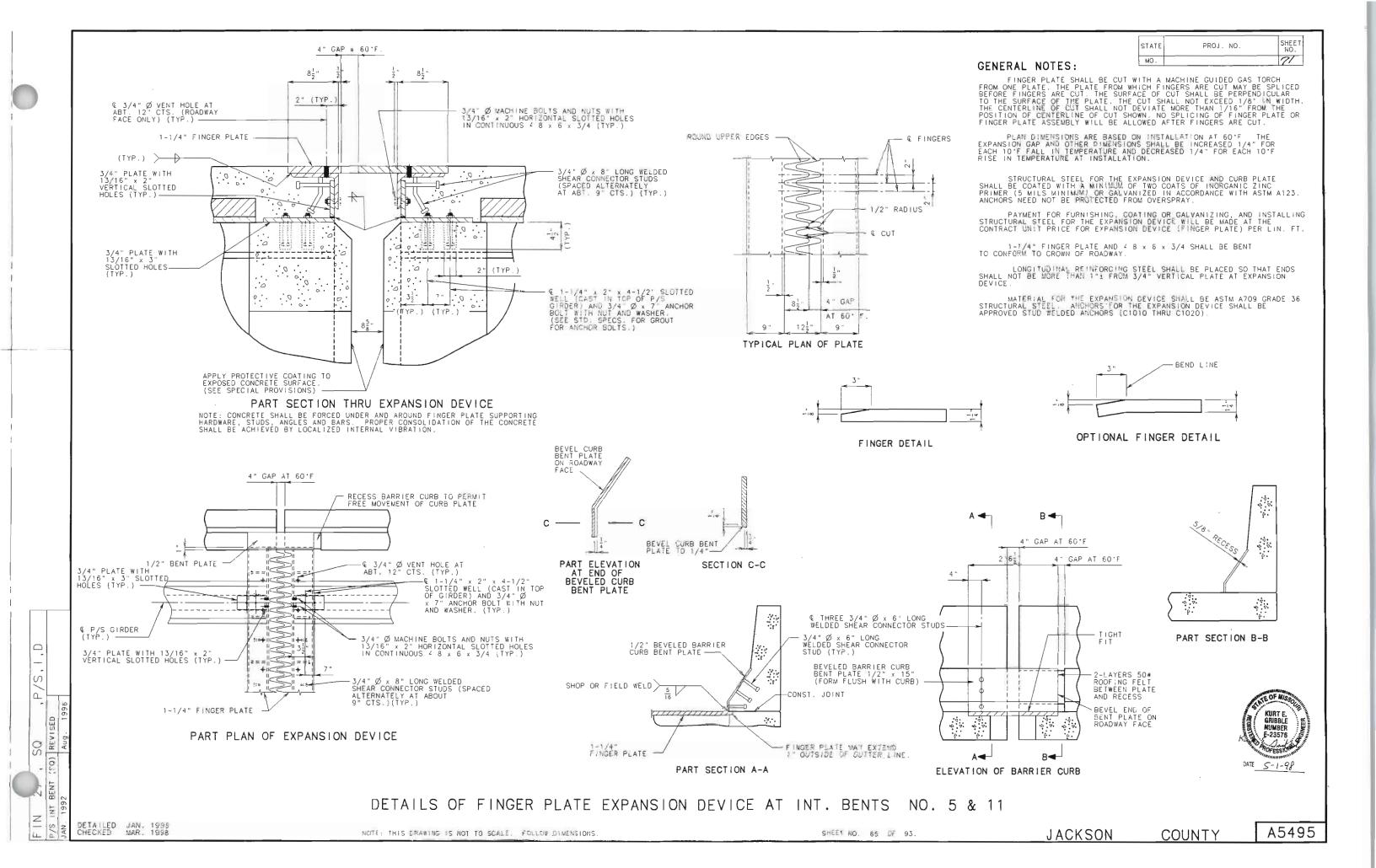
SECTION D-D

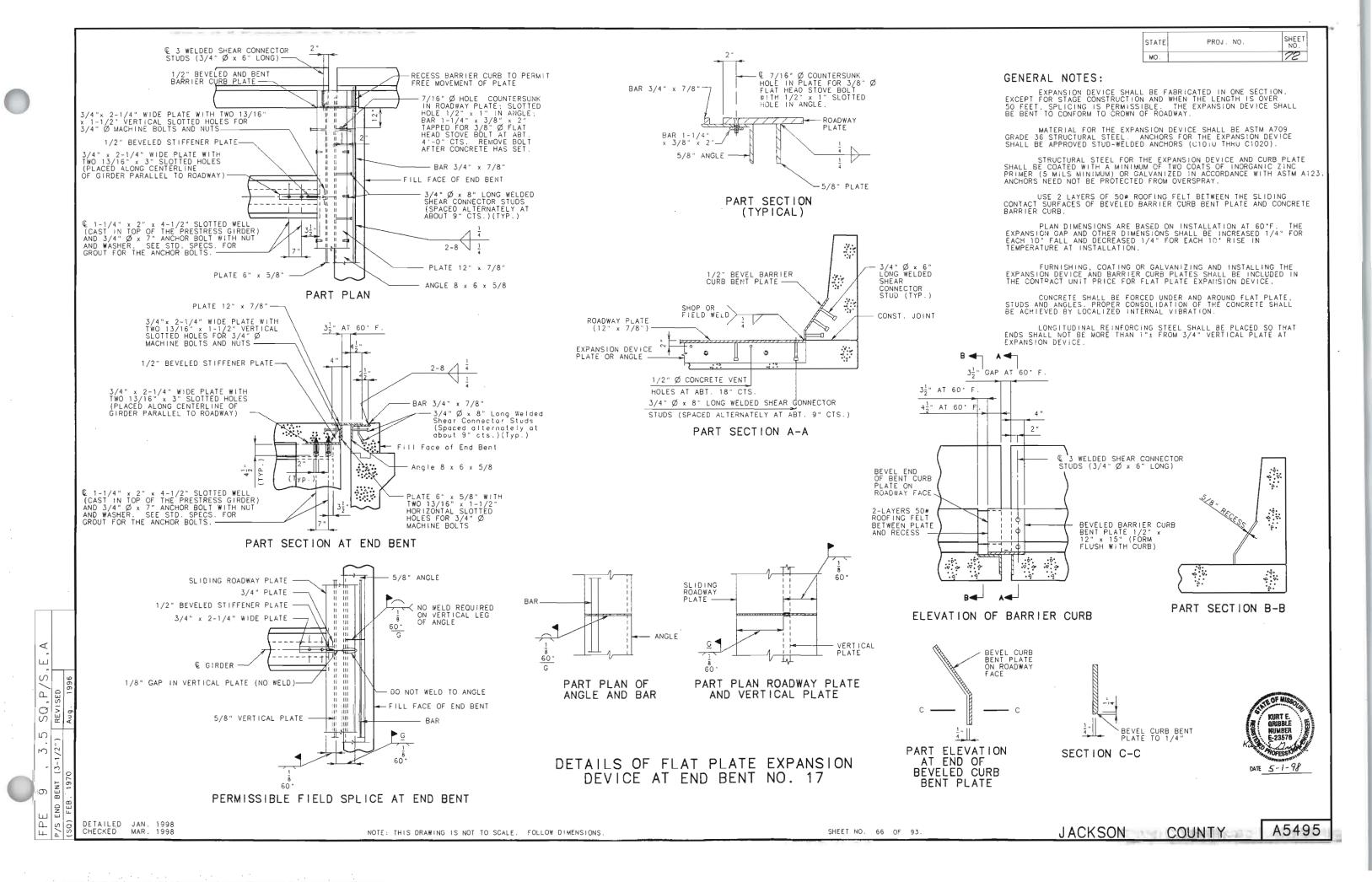
- Fabricated structural steel shall be ASTM A709 Grade 36, except as noted
- Payment for furnishing and installing steel intermediate diophragms, shall be included in controct unit price for Prestressed Concrete Bulb Tee Girders and Prestressed Concrete I-Girders.
- Shop drawings will not be required for steel intermediate diaphragms and angle

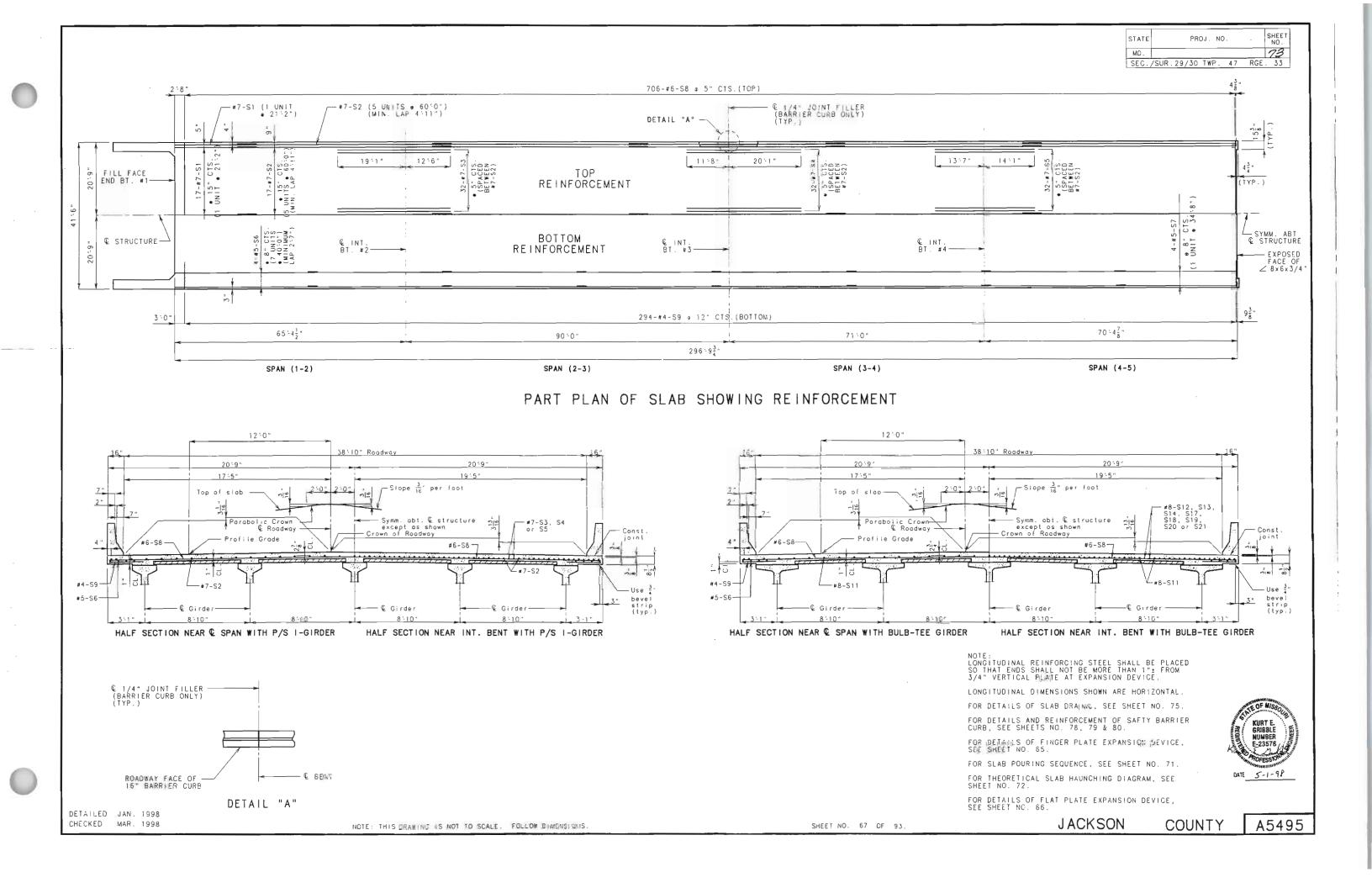
For location of intermediate diaphragms, see girder sheets.

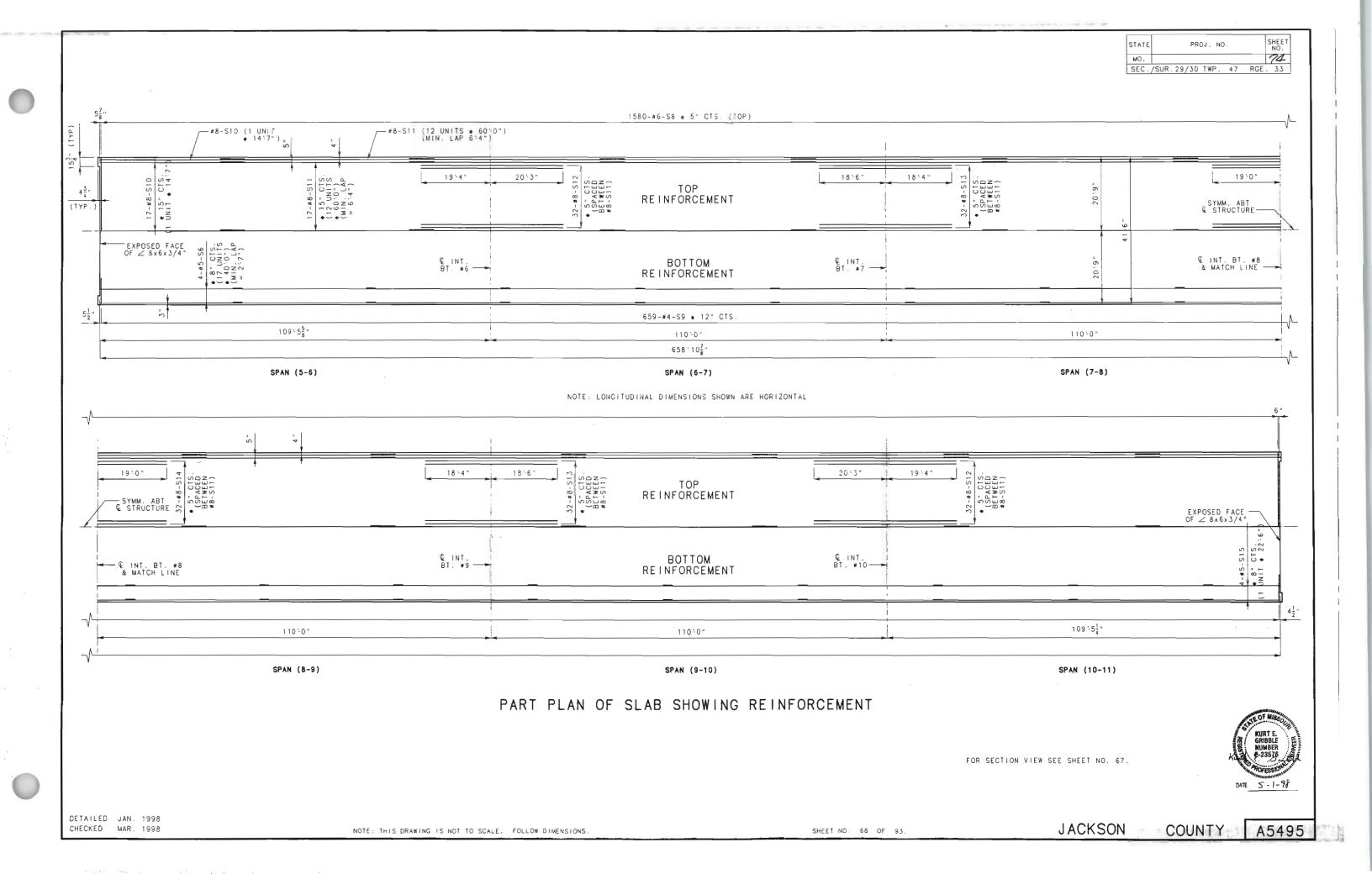


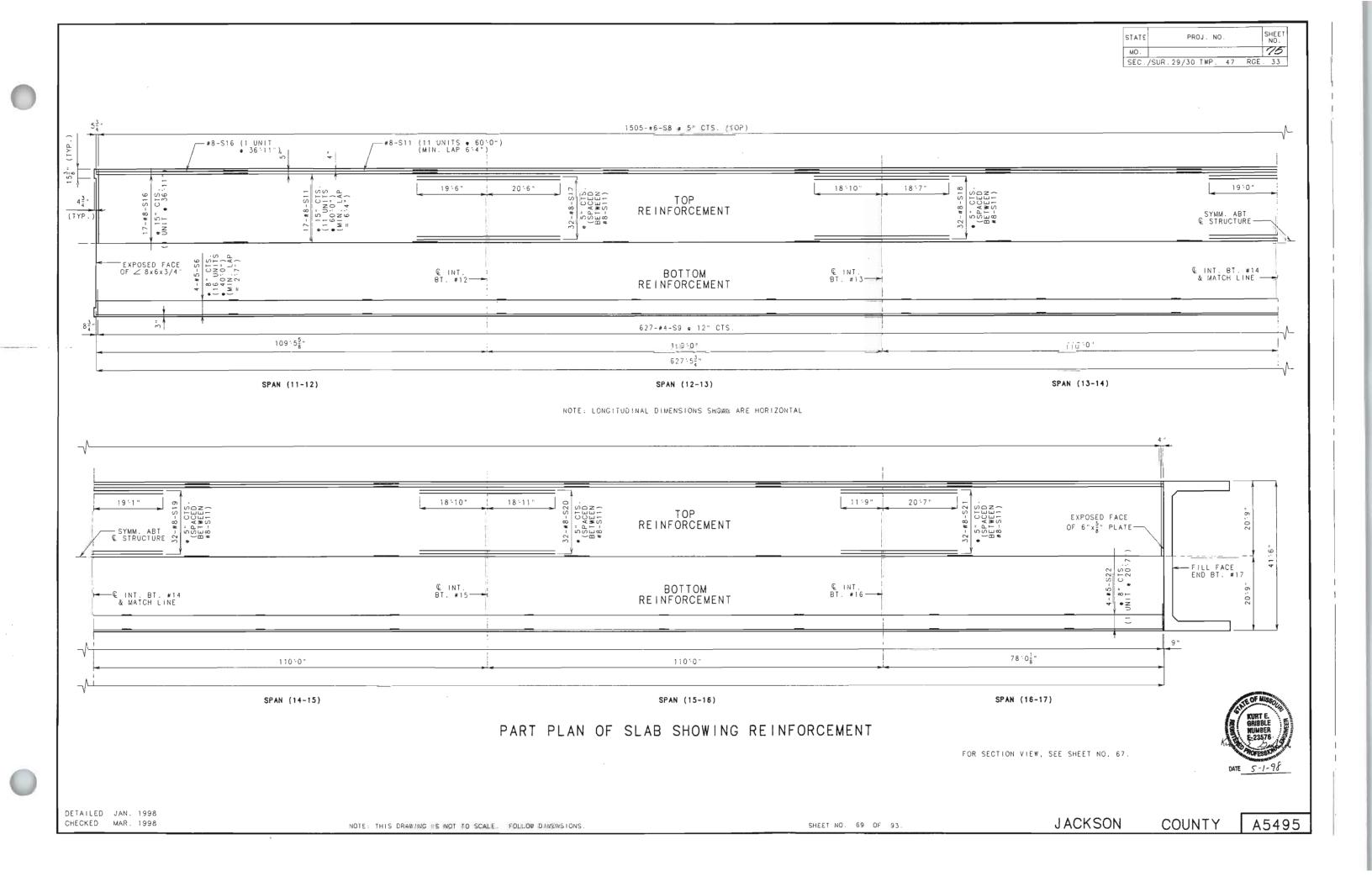
STEEL INTERMEDIATE DIAPHRAGM DETAILS

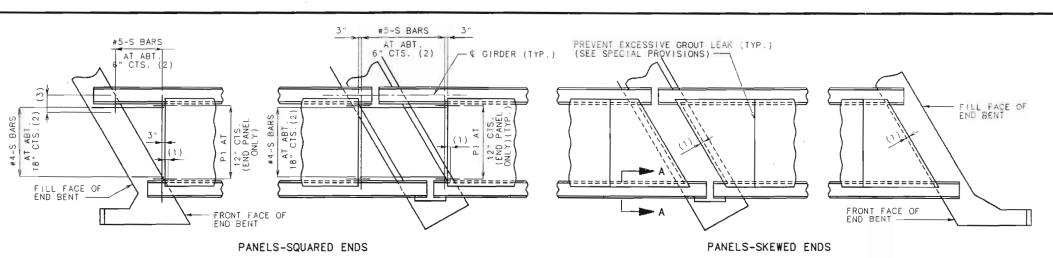




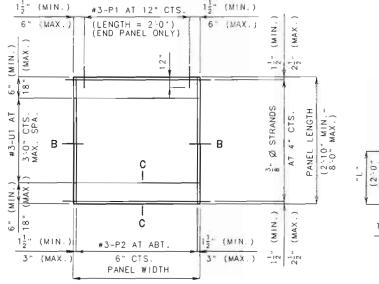




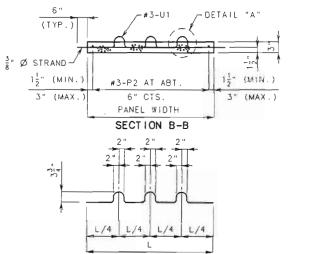


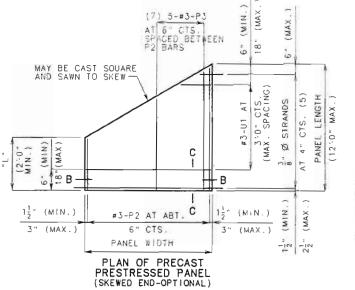


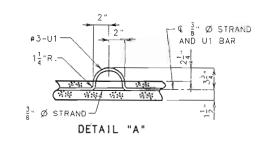
PLAN OF PRECAST PRESTRESSED PANELS PLACEMENT

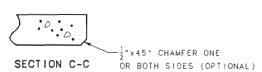


PLAN OF PRECAST PRESTRESSED PANEL







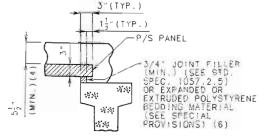


BENDING DIAGRAM FOR U1 BAR

(UI BARS MAY BE ORIENTED AT RIGHT ANGLES TO LOCATION AND SPACING SHOWN. UI BARS SHALL BE PLACED BETWEEN PI BARS)

DETAILED JAN. 1998 CHECKED MAR. 1998

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS



SECTION A-A

NOTE: USE SLAB HAUNCHING DIAGRAM ON SHEET NO. 72 FOR DETERMINING THICKNESS OF JOINT FILLER OR POLYSTYRENE BEDDING MATERIAL WITHIN THE LIMITS NOTED IN GENERAL

NOTES:

WELDED WIRE FABRIC OR WELDED DEFORMED BAR MATS PROVIDING A MINIMUM AREA OF REINFORCING PERPENDICULAR TO STRANDS OF 0.22 SO. IN./FI., WITH SPACING PARALLEL TO STRANDS SUFFICIENT TO INSURE PROPER HANDLING, MAY BE USED IN LIEU OF THE #3-P2 BARS SHOWN. WIRE OR BAR DIAMETER SHALL NOT BE LARGER THAN 0.375 INCHES. THE ABOVE ALTERNATIVE REINFORCEMENT CRITERIA MAY BE USED IN LIEU OF THE #3-P3 BARS, WHEN REQUIRED, AND PLACED OVER A WIDTH NOT LESS THAN 2 FI.

THE REINFORCING STEEL SHALL BE TIED SECURELY TO THE 3/8 0 STRANDS WITH THE FOLLOWING MAXIMUM SPACING IN EACH DIRECTION: #3-P2 BARS AT 16 INCHES.
WELDED WIRE FABRIC OR WELDED DEFORMED BAR MATS AT 24 INCHES

TIE THE #3-U1 BARS TO THE #3-P2 BARS, TO THE WELDED WIRE FABRIC OR THE WELDED DEFORMED BAR MATS AT ABOUT 36 INCH CENTERS

ALL REINFORCEMENT OTHER THAN PRESTRESSING STRANDS SHALL

PRECAST PANELS MAY BE IN CONTACT WITH STIRRUP REINFORCING

COST OF S-BARS SHALL BE INCLUDED IN PRICE BID FOR SLAB ON CONCRETE 1-GIRDER AND SLAB ON BULB-TEE GIRDER PER SQUARE YARD.

S-BARS ARE NOT LISTED IN BILL OF REINFORCING.

- (1) END PANELS SHALL BE DIMENSIONED 1" MIN. TO 1-1/29 MAX. FROM THE INSIDE FACE OF DIAPHRAGM.
- (2) S-BARS SHOWN ARE BOTTOM STEEL IN SLAB BETWEEN PANELS AND USED WITH SQUARED END PANELS ONLY.
- EXTEND S-BARS 18 INCHES BEYOND THE FRONT FACE OF END
- (4) IN ORDER TO MAINTAIN MINIMUM SLAB THICKNESS, IT M. BE NECESSARY TO RAISE THE GRADE UNIFORMILY THROUGHOUT THE STRUCTURE. NO PAYMENT WILL BE MADE FOR ADDITIONAL LABOR OR MATERIALS REQUIRED FOR NECESSARY GRADE

(5) ANY STRAND 2'-O" OR SHORTER SHALL HAVE A #4
REINFORCING BAR ON EACH SIDE OF IT CENTERED BETWEEN
STRANDS. STRANDS 2'-O" OR SHORTER MAY THEN BE DEBONDED
AT THE FABRICATORS OPTION.

(6) ALL PANEL SUPPORT PADS SHALL BE GLUED TO THE GIRDER. WHEN SUPPORT THICKNESS EXCEEDS 1-1/2", THE PADS SHALL BE GLUED TOP AND BOTTOM. THE GLUE USED SHALL BE THE TYPE RECOMMENDED BY THE PANEL SUPPORT PADS MANUFACTURER.

(7) USE #3-P3 BARS IF PANEL IS SKEWED 45' OR GREATER. DETAILS OF PRECAST PRESTRESSED PANELS

GENERAL NOTES:

PRESTRESSED PANELS:

CONCRETE FOR PRESTRESSED PANELS SHALL BE CLASS AT WITH F'C = 5,000 PS, f'CI = 3,500 PSI.

SHEET NO.

76

THE TOP SURFACE OF ALL PANELS SHALL RECEIVE A SCORED FINISH WITH A DEPTH OF SCORING OF 1/8 INCH PERPENDICULAR TO THE PRESTRESSING STRANDS IN THE PANELS (SEE SPECIAL PROVISIONS).

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PRESTRESSING TENDONS SHALL BE HIGH-TENSILE STRENGTH UNCOATED SEVEN WIRE (7), LOW-RELAXATION STRANDS FOR PRESTRESSED CONCRETE CONFORMING TO AASHTO M203, EXCEPT THAT NOMINAL DIAMETER OF STRAND = 3/8 INCH AND NOMINAL AREA = 0.085 SQ. IN, AND MINIMUM ULTIMATE STRENGTH = 21.25 KIPS (250 KSI). LARGER STRANDS MAY BE USED WITH THE SAME SPACING AND INITIAL TENSION.

INITIAL PRESTRESSING FORCE = 14.9 KIPS/STRAND.

THE METHOD AND SEQUENCE OF RELEASING THE STRANDS SHALL BE SHOWN ON THE SHOP DRAWINGS

SUITABLE ANCHORAGE DEVICES FOR LIFTING PANELS MAY BE CAST IN PANELS, PROVIDED THEY ARE SHOWN ON THE SHOP DRAWINGS AND APPROVED BY THE ENGINEER. PANEL LENGTHS SHALL BE DETERMINED BY THE CONTRACTOR AND SHOWN ON THE SHOP DRAWINGS.

WHEN SOURRE END PANELS ARE USED AT SKEWED BENTS, IT IS REQUIRED THAT THE SKEWED PORTION BE CAST FULL DEPTH. NO SEPARATE PAYMENT WILL BE MADE FOR THE ADDITIONAL CONCRETE AND REINFORCING REQUIRED.

SUPPORT FROM DIAPHRAGM FORMS IS REQUIRED UNDER THE OPTIONAL SKEWED END UNTIL GAST-IN-PLACE CONCRETE HAS REACHED 3,000 PSI COMPRESSIVE STRENGTH.

MINIMUM JOINT FILLER OR POLYSTYRENE BEDDING MATERIAL THICKNESS SHALL BE 3/4 INCH. THICKER JOINT FILLER OR POLYSTYRENE BEDDING MATERIAL MAY BE USED ON ONE OR BOTH SIDES OF THE GIRDER TO REDUCE CAST-IN-FLACE CONCRETE THICKNESS, WITHIN TOLERANCES. NO MORE THAN 2 INCHES TOTAL THICKNESS OF JOINT FILLER OR POLYSTYRENE BEDDING MATERIAL SHALL BE USED.

THE SAME THICKNESS OF JOINT FILLER MATERIAL SHALL BE USED UNDER ANY ONE EDGE OF ANY PANEL EXCEPT AT LOCATIONS WHERE TOP FLANGE THICKNESS MAY BE STEPPED. THE MAXIMUM CHANGE IN THICKNESS BETWEEN ADJACENT PANELS SHALL BE 1/4 INCH. THE POLYSTYRENE BEDDING MATERIALS MAY BE CUT TO MATCH HAUNCH HEIGHT ABOVE TOP OF FLANGE.

SLAB THICKNESS OVER PRESTRESSED PANELS VARIES DUE TO GIRDER CAMBER.

AT THE CONTRACTORS OPTION. THE VARIATION IN SLAB INTERNESS OVER PRESTRESSED PANELS MAY BE ELIMINATED OR REDUCED BY INCREASING AND VARYING THE GIRDER TOP FLANGE THICKNESS. DIMENSIONS SHALL BE SHOWN ON THE SHOP DRAWINGS.

REINFORCING STEEL:

ALL DIMENSIONS ARE OUT TO OUT.

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1-1/2 INCH, UNLESS OTHERWISE SHOWN.

HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, STIRRUP AND TIE DIMENSIONS.

ACTUAL LENGTHS ARE MEASURED ALONG CENTERLINE OF BAR TO THE

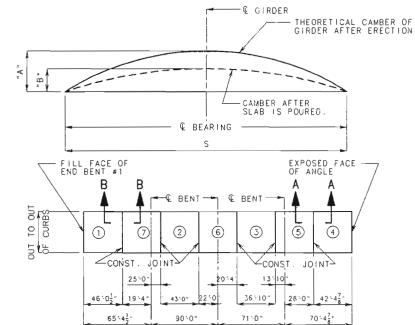
THE PRESTRESSED PANEL QUANTITIES ARE NOT INCLUDED IN THE TABLE OF ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-GIRDER OR SLAB ON BULB-TEE GIRDER

IF U! BARS INTERFERE WITH PLACEMENT OF SLAB STEEL, U! LOOPS MAY BE BEN! OVER, AS NECESSARY, TO CLEAR SLAB STEEL.



STATE	PROJ. NO).	SHEET NO.
MO.			77

GIRDERS	SPAN	(1-2)	SPAN	(2-3)	SPA (3-4) 8	ANS 4 (4-5)	SPAN	(5-6)	SP (6-7), (8-9) &	ANS (7-8), (9-10)	SP/ (10-11),	ANS (11-12)	SP, (12-13), (14-15)	ANS (13-14), & (15-16)	SPAN (16-17)
	" A "	"B"	" A "	"B"	" A "	"B"	" A "	"B"	" A "	"B"	" A "	"B"	" A "	"B"	" A "	"B"
Exterior	7 "	5 :- 8	21 "	1 16 "	3 1/8 "	3	2 9 "	1 5	. 2 5 "	1 3 "	2 9 "	1 5 "	2 5 "	13"	3	1/2 "
Interior	<u>7</u>	1/2 "	2 1/4 "	7/8 "	1 ½ "	5 "	2 9 16	17	2 5 "	1 1	2 9 16	**	2 5 16 "	1 1 "	3 .,	7 "
Center	. <u>7</u>	9 .	2 1/4	1 "	1 1/8 "	11.	2 16 "	1 ½ "	2 5/16 "	1 1 "	· 2 9/16 "	1 1/2 "	2 5 "	1 3 "	3	7 16 "



SPAN (1-2)

CONSTRUCTION JOINT TO EXTEND FULL WIDTH OF SLAB

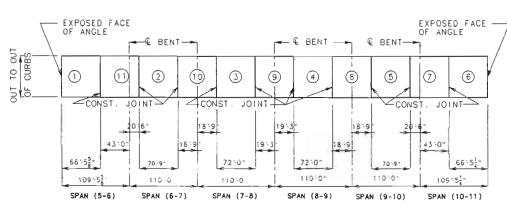
CONVERSION	FACTORS	FOR GIRDER CAMBER
FROM & BEARING		CAMBER
0.1 PT	0.314	x CAMBER AT & GIRDER
0.2 PT	0.593	x CAMBER AT & GIRDER
0.25 PT	0.7125	x CAMBER AT & GIRDER
0.3 PT	0.813	x CAMBER AT & GIRDER
0.4 PT	0.952	x CAMBER AT © GIRDER

GIRDER CAMBER DIAGRAM

NOTE: IF GIRDER CAMBER IS DIFFERENT FROM THAT SHOWN IN THE CAMBER DIAGRAM, IT SHALL BE NECESSARY TO ADJUST THE SLAB HAUNCHES, INCREASE THE SLAB THICKNESS OR TO RAISE THE GRADE UNIFORMLY THROUGHOUT THE STRUCTURE. NO PAYMENT WILL BE MADE FOR ADDITIONAL LABOR OR MATERIALS REQUIRED FOR VARIATION IN HAUNCHING, SLAB THICKNESS OF GRADE ADJUSTMENT. CONCRETE IN THE SLAB HAUNCHES IS INCLUDED IN THE ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I—GIRDERS OR SLAB ON BULB-TEE GIRDERS.

** $1\frac{7}{16}$ " SPAN (10-11)

13" SPAN (11-12)



EXPOSED FACE				SED FACE OF
\	E BENT	& BENT	© BENT——	
OF CURBS	2 10 3	9 4 8	5 7	6
	OINT CONST. JO	19-6t 2	CONST. J	TINIO
66.55	20:0"	1913 7016"	73161	47.01.
109:55- SPAN (11-12)	110 0" 110 0" SPAN (12-13) SPAN (13-	110°0"	* > -	8:01:

		SEQUENCE OF POURS						MIN. RATE OF POUR CU. YDS./HR.	
		DIRECTION						WITH RETARDER	
BASIC SEQUENCI	E	1 2 3 4 5 6 7 EITHER DIRECTION				25			
APPROVAL	ALTERNATE POURS TO THE BASIC SKIP SEQUENCE ARE SUBJECT TO THE APPROVAL OF THE ENGINEER IN ACCORDANCE WITH SECTION 703.3.12.4 OF MISSOUR! STANDARD SPECIFICATIONS.								
ALTERNATE POURS	" A "	1 7 END TO 7 1	+ 2 TO 6	6	+ 3 TO 5	3 1	+ 4 O END	25	
ALTERNATE POURS	"B"	1 + 7 + 2 END TO 6	7 + 2 6 + 3 5 + 4 TO 6 2 TO 5 3 TO END				25		
ALTERNATE POURS	"C"	1 + 7 + 2 6 + 3 + 5 + 4 END TO 6 2 TO END			+ 4	25			
ALTERNATE POURS	"D"	1 + 7 + 2 + 6 + 3 + 5 + 4 END TO END			25				

SPAN (3-4)

		MIN. RATE OF POUR CU. YDS./HR.	-			
		. WITH RETARDER				
BASIC SEOUENCE	1 2 3	4 5 6 7 EITHER DI		0 11	25	
APPRO	VAL OF THE EN	O THE BASIC SKIP S NGINEER IN ACCORDA ARD SPECIFICATIONS	ANCE WITH SEC			
ALTERNATE "A" POURS	1 11 END TO 11 1 T	+ 2 10 + 3 9 10 10 2 T0 9 3 T0	+ 4 8 + 5 0 8 4 TO 7	7 + 6 5 TO END	27	
ALTERNATE "B" POURS	1 + 11 + 2 + 10				. · 27	Ī
ALTERNATE "C" POURS	1 + 11 + 2 + 10 + 3 + 9			27	Ī	
ALTERNATE "D" POURS	1 + 11 +	27	7			

	SEQUENCE OF POURS							
DIRECTION							WITH RETARDER	
BASIC SEQUENCE	1 2 3	1 2 3 4 5 6 7 8 9 10 11 EITHER DIRECTION						
APPRO	ALTERNATE POURS TO THE BASIC SKIP SEQUENCE ARE SUBJECT TO THE APPROVAL OF THE ENGINEER IN ACCORDANCE WITH SECTION 703.3.12.4 OF MISSOUR! STANDARD SPECIFICATIONS.							
ALTERNATE "A"	1 11 + END TO 11 1 TO	2 10	10 9	9 + 4 3 TO 8	8 + 5 4 TO 7	7 + 6 5 TO END	27	
ALTERNATE "B" POURS		1 + 11 + 2 + 10 3 + 9 + 4 8 + 5 + 7 + 6						
ALTERNATE "C" POURS	1 + 11 + 2 END	1 + 11 + 2 + 10 + 3 + 9						
ALTERNATE "D" POURS	1 + 11 + 2							

SLAB POURING SEQUENCE SPANS (1-2), (2-3), (3-4) & (4-5)

DETAIL OF CONST. JT. FOR SLAB ON P/S PANEL

SECTION A-A

JOINT PANEL

(*) ADJUST THE PERMISSIBLE CONSTRUCTION JOINT TO A CLEARANCE OF 6 INCHES MINIMUM FROM THE JOINTS OF PANELS.

SLAB POURING SEQUENCE

SPANS (5-6), (6-7), (7-8), (8-9), (9-10) & (10-11)

FINISH EACH SII WITH 1/4* RADIV SLAB POURING SEQUENCE

FINISH EACH SIDE OF JOINT WITH 1/4" RADIUS EDGING TOOL CONST. JOYNT

FINISH EACH SIDE OF JOINT WITH 1/4" RADIUS EDGING TOOL

KEY TO EXTEND FULL WIDTH OF SLAB CANTILEVER. SECTION B-B

NOTE: THE CONTRACTOR SHALL FURNISH AN APPROVED RETARDER TO RETARD THE SET OF THE CONCRETE TO 2.5 HOURS AND SHALL POUR AND SATISFACTORILY FINISH THE SLAB POURS AT THE RATE GIVEN. THE CONCRETE DIAPHRAGM AT THE INTERMEDIATE BENTS AND INTEGRAL END BENT SHALL BE POURED A MINIMUM OF 30 MINUTES AND A MAXIMUM OF 2 HOURS BEFORE THE SLAB IS POURED.

SLAB POURING SEQUENCE

SPANS (11-12), (12-13), (13-14), (14-15), (15-16) & (16-17)

END DIAPHRAGMS AT EXPANSION DEVICES MAY BE POURED WITH A CONSTRUCTION JOINT BETWEEN THE DIAPHRAGM AND SLAB, OR MONOLITHIC WITH THE SLAB.



SLAB POURING SEQUENCE

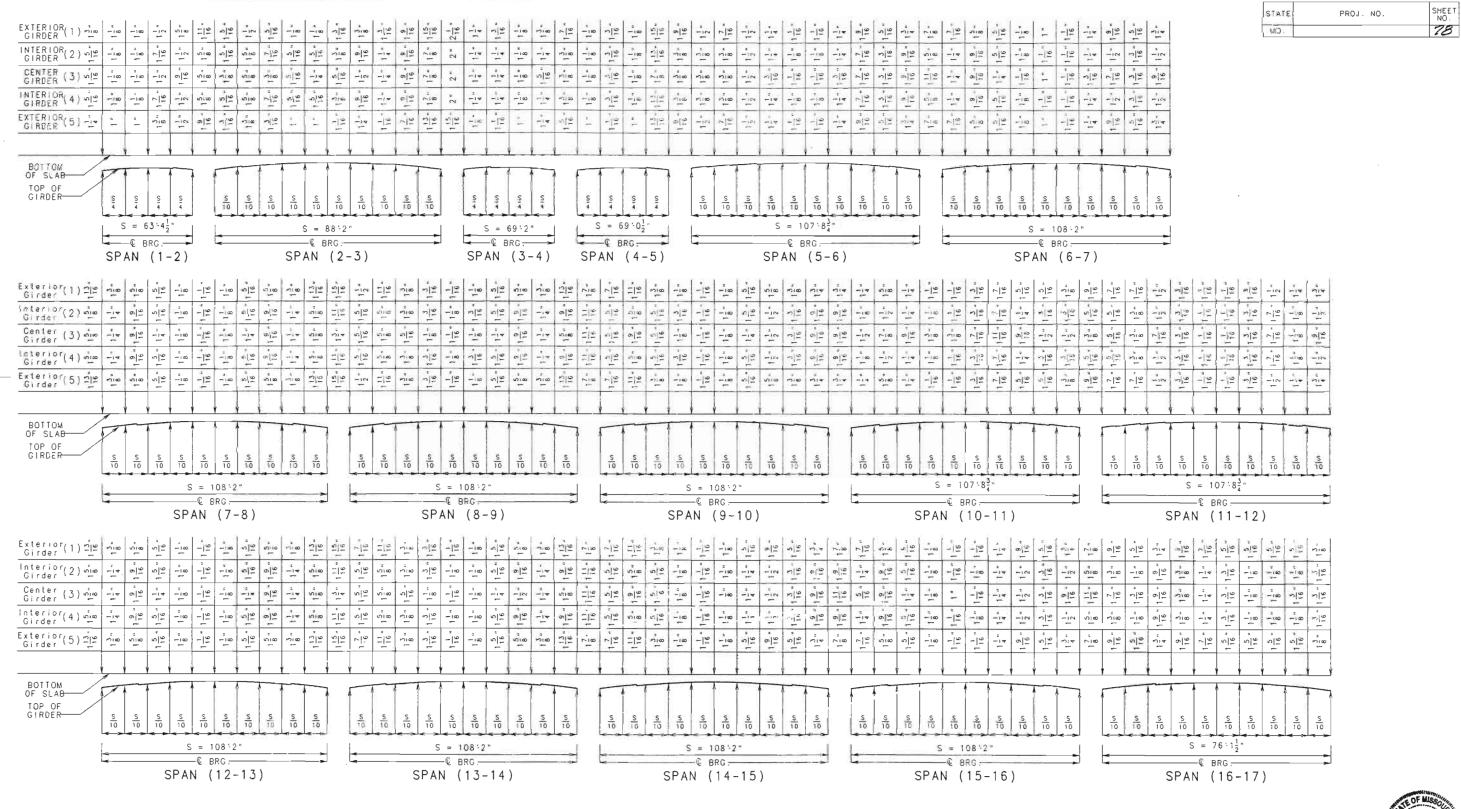
DETAILED JAN. 1998 CHECKED MAR. 1998

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET NO. 71 OF 93

JACKSON

COUNTY



NOTE: Longitudinal dimensions are harizontal.

THEORETICAL SLAB HAUNCHING DIAGRAM



DETAILED JAN. 1998 CHECKED MAR. 1998

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET NO. 72 OF 93.

JACKSON

COUNTY

						*	* THE	ORET	ICAL E	ROTTO	A OF	SLAB	ELEVA	TIONS	AT Q	OF G	IRDER	(PR	OR TO	FORM	AING (OF SL	AB)				
	SF	PAN (1	-2) (63	5 - 4 1 2 " C	BRG	⊈ BRG.)				SP	AN (2-3) (88-2"	€ BRG.	- Q BR	G.)			SPAN (3-4) (69	9-2" © B	RG Q	BRG.)	SPAN (4-5) (69	9 - 0 1	BRG (BRG.
	Œ.	BRG.	. 25	. 50	. 75	€ BRG.	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.	€ BRG.	. 25	.50	.75	€ BRG.	€ BRG.	. 25	.50	.75	€ BRG
GIRDER NO.	1 89	8.79	898.88	898.97	899.04	899.10	899.11	899.18	899.24	899.31	899.36	899.41	899.45	899.48	899.50	899.52	899.54	899.55	899.66	899. 7 5	899.83	899.89	899.89	900.00	900.10	900.17	900.2
GIRDER NO. 2	2 89	8.93	899.03	899.11	899.18	899.24	899.25	899.32	899.40	899.46	899.52	899.57	899.61	899.64	899.66	899.67	899.68	899.69	899.80	899.90	899.97	900.03	900.03	900.15	900.24	900.32	900.3
GIRDER NO. 3	3 89	9.00	899.10	899.19	899.26	899.31	899.32	899.40	899.47	899.53	899.59	899.64	899.68	899.71	899.73	899.74	899.75	899.76	899.88	899.97	900.04	900.10	900.11	900.22	900.32	900.39	900.4
GIRDER NO.	4 89	8.87	898.96	899.05	899.12	899.18	899.18	899.26	899.33	899.40	899.46	899.51	899.55	899.57	899.59	899.61	899.61	899.62	899.74	899.84	899.91	899.96	899.97	900.08	900.18	900.25	900.3
GIRDER NO.	5 89	8.73	898.82	898.91	898.98	899.04	899.04	899.11	899.18	899.24	899.30	899.35	899.39	899.42	899.44	899.46	899.48	899.49	899.59	899.69	899.76	899.82	899.83	899.94	900.03	900.11	900.1
																					-						

STATE	PROJ. NO,	SHEET NO.
MO.		79

				SPA	(5-6)	$(107 - 8\frac{3}{4})$	" & BRG	C BR	G.)						SPAN	(6-7)	(108 - 2 "	& BRG.	- C BRG	.)						SPAN	(7-8)	(108-2"	BRG.	- C BRG	.)		
	€ BRG.	0.1	0.2	0.3	0 . 4	0.5	0.6	0.7	0.8	0.9	€ BRG.	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	. € BRG	. € BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BR
IRDER NO. 1	900.24	900.32	900.39	900.46	900.53	900.58	900.63	900.67	900.71	900.74	900.77	900.78	900.86	900.93	901.00	901.06	901.12	901.17	901.21	901.25	901.28	901.31	901.32	901.39	901.47	901.54	901.60	901.66	901.71	901.75	901.79	901.82	901.
IRDER NO. 2	900.38	900.47	900.54	900.62	900.68	900.74	900.79	900.83	900.86	900.89	900.91	900.92	901.00	901.08	901.15	901.22	901.28	901.33	901.37	901.40	901.42	901.45	901.46	901.54	901.62	901.69	901.76	901.82	901.86	901.90	901.94	901.96	901.9
IRDER NO. 3	900.46	900.54	900.62	900.69	900.75	900.81	900.86	900.90	900.93	900.96	900.99	900.99	901.08	901.15	901.23	901.29	901.35	901.40	901.44	901.47	901.50	901.52	901.53	901.61	901.69	901.76	901.83	3 901.89	901.93	901.98	902.01	902.04	902.0
IRDER NO. 4	900.32	900.40	900.48	900.56	900.62	900.68	900.73	900.77	900.80	900.82	900.85	900.86	900.94	901.02	901.09	901.16	961.22	901.26	901.30	901.34	901.36	901.38	901.39	901.48	901.56	901.63	901.70	901.75	901.80	901.84	901.87	901.90	901.5
IRDER NO. 5	900.18	900.26	900.33	900.40	900.46	900.52	900.57	900.61	900.65	900.68	900.71	900.72	900.79	900.87	900.94	901.00	901.06	901.11	901.15	901.19	901.22	901.25	901.26	901.33	901.41	901.48	901.54	901.60	901.64	901.69	901.72	901.7€	901.

				SPAN	(8-9) ((108-2"	⊈ BRG.	- & BRG	.)						SPAN	(9-10)	(108:2"	€ BRG.	- € BR	G.)						SPAN	(10-11	(107-8	3 ° € BR	G C E	RG.)		
	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ B
DER NO. 1	901.86	901.93	902.01	902.08	902.14	902.20	902.25	902.29	902.32	902.36	902.39	902.39	902.47	902.54	902.61	902.68	902.73	902.78	902.83	902.86	902.89	902.92	902.93	903.01	903.08	903.15	903.21	903.27	903.32	903.36	903.40	903.43	903
DER NO. 2	901.99	902.08	902.16	902.23	902.30	902.35	902.40	902.44	902.47	902.50	902.52	902.53	902.62	902.69	902.77	902.83	902.89	902.94	902.98	903.01	9D3.04	903.06	903.07	9D3.15	903.23	903.31	903.37	903.43	903.48	903.52	903.55	903.57	903
DER NO. 3	902.07	902.15	902.23	902.30	902.37	902.42	902.47	902.51	902.55	902.57	902.60	902.61	902.69	902.77	902.84	902.90	902.96	903.01	903.05	903.08	903.11	903.14	903.15	903.25	903.33	903.40	903.47	903.53	903.57	903.61	903.65	903.68	903
DER NO. 4	901.93	902.01	902.09	902.17	902.23	902.29	902.34	902.38	902.41	902.44	902.46	902.47	902.55	902.63	902.71	902.77	902.83	902.88	902.92	902.95	902.98	903.00	903.01	903.09	903.17	903.24	903.31	903.37	903.41	903.45	903.49	903.51	903
DER NO. 5	901.79	901.87	901.94	902.01	902.08	902.13	902.18	902.23	902.26	902.29	902.32	902.33	902.41	902.48	902.55	902.61	902.67	902.72	902.76	902.80	902.83	902.86	902.87	902.95	903.02	903.09	903.15	903.21	903.26	903.30	903.34	903.37	90.

** Elevations are based on a constant slab thickness of $8\frac{1}{2}$ " and include allowonce for theoreticol dead load deflections due to weight of Slab (including Precost Ponel) and Borrier Curb.



NOTE: FOR TYPICAL SLAB ELEVATION DIAGRAM, SEE SHEET NO. 74.

DETAILED JAN. 1998 CHECKED MAR 1998

JACKSON

COUNTY

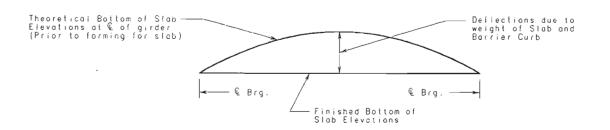
A5495

STATE	PROJ. NO.	SHEET NO.	
MO.		80	

				SPAN	(11-12)	(107 - 8 4	" & BRG	Q BR	G.)						SPAN	(12-13)	(108-2	€ BRG.	- € BR	G.)						SPAN	(13-14)	(108 - 2	⁴ € BRG.	- € BR	G.)		
	C BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BR
IRDER NO. 1	903.47	903.55	903.62	903.69	903.75	903.81	903.86	903.90	903.94	903.97	904.00	904.01	904.08	904.16	904.23	904.29	904.35	904.40	904.44	904.48	904.51	904.54	904.55	904.62	904.70	904.77	904.83	904.89	904.93	904.98	905.01	905.05	5 905.
IRDER NO. 2	903.61	903.69	903.77	903.85	903.91	903.97	904.02	904.06	904.09	904.11	904.14	904.15	904.23	904.31	904.38	904.45	904.51	904.55	904.59	904.63	934.65	904.67	904.68	904.77	904.85	904.92	904.99	905.04	905.09	905.13	905.16	905.19	905.
IRDER NO. 3	903.69	903.77	903.85	903.92	903.98	904.04	904.09	904.13	904.16	904.19	904.21	904.22	904.30	904.38	904.45	904.52	904.58	904.62	904.67	904.70	904.73	904.75	904.76	904.84	904.92	904.99	905.06	905.11	905.16	905.20	905.24	905.26	6 905.
IRDER NO. 4	903.55	903.63	903.71	903.78	903.85	903.91	903.95	903.99	904.03	904.05	904.07	904.08	904.17	904.25	904.32	904.39	904.44	904.49	904.53	904.56	904.59	904.61	904.62	904.70	904.78	904.86	904.92	904.98	905.03	905.07	905.10	905.13	3 905.
IRDER NO. 5	903.41	903.49	903.56	903.63	903.69	903.75	903.80	903.84	903.88	903.91	903.94	903.95	904.02	904.10	904.17	904.23	904.29	904.33	904.38	904.41	904.45	904.47	904.48	904.56	904.63	904.70	904.77	904.82	904.87	904.91	904.95	904.98	8 905.

									**	THEO	RETIC	AL BO	TTOM	OF SL	AB EL	EVAT	ONS	AT Q (OF GII	RDER	(PRIO	R TO	FORMI	NG OF	SLAB	3)								
					SPAN	(14-15)	(108-2	€ BRG.	- © BRO	G.)						SPAN	(15-16)	(108-2	€ BRG.	- & BR	G.)						SPAN	(16-17)	(76 - 1 ½ "	€ BRG.	- C BRG	G.)		
		€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	& BRG.	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.
GFR	DER NO. 1	905.08	905.16	905.23	905.30	905.37	905.42	905.47	905.52	905.55	905.58	905.61	905.62	905.70	905.77	905.84	905.90	905.96	906.01	906.05	906.09	906.12	906.15	906.16	906.20	906.25	906.29	906.33	906.37	906.40	906.44	906.47	906.50	906.53
GIR	DER NO. 2	905.22	905.30	905.38	905.46	905.52	905.58	905.63	905.67	905.70	905.73	905.75	905.76	905.84	905.92	906.00	906 0	906.12	906.17	906.21	906.24	906.27	906.29	906.30	906.34	906.39	906.43	906.47	906.51	906.55	906.58	906.61	906.64	906.67
GIR	DER NO. 3	905.30	905.38	905.46	905.53	905.59	905.65	905.70	905.74	905.77	905.80	905.83	905.84	905.92	905.99	906.07	906.1	3 906.19	906.24	906.28	906.31	906.34	906.36	906.37	906.42	906.46	906.50	906.54	906.58	906.62	906.65	906.68	906.72	906.75
GIR	DER NO. 4	905.16	905.24	905.32	905.40	905.46	905.52	905.57	905.61	905.64	905.67	905.69	905.70	905 78	905.86	905.93	906 00	906.06	906.11	906.15	906.18	906.20	906.23	906.23	906.28	906.32	906.37	906.41	906.45	906.48	906.52	906.55	906.58	906.61
GIR	DER NO. 5	905.02	905.10	905.17	905.24	905.30	905.36	905.41	905.45	905.49	905.52	905.55	905.56	905.64	905.71	905.78	905.8	905.90	905.95	905.99	906.03	906.06	906.09	906.10	906.14	906.18	906.22	906.26	906.30	906.34	906.37	906.41	906.44	906.47
																																-		

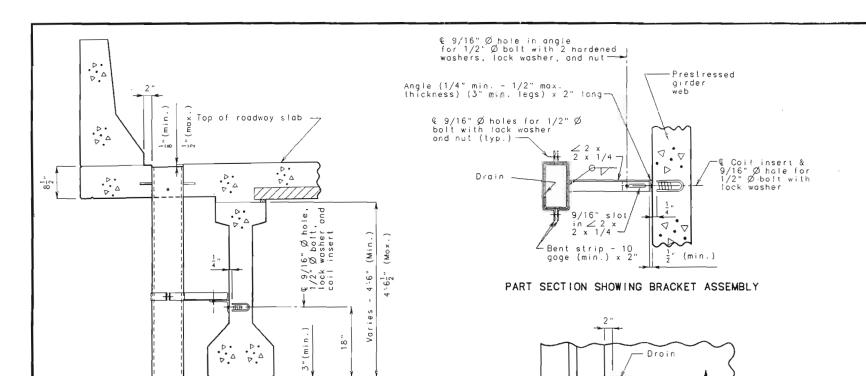
^{**} Elevations are based on a constant slab Unickness of $8\frac{1}{2}$ " ona include officwance for theoretical dead load deflections due to weight of Slab (including Precast Panel) and Barrier Curb.



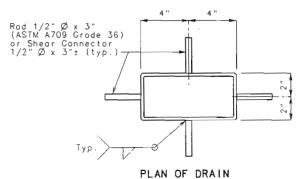
TYPICAL SLAB ELEVATIONS DIAGRAM



COUNTY



€ Droin ∠ Bottom of roodway slob ELEVATION OF DRAIN



MO.

81

NOTE:

STATE

Slab droins may be fabricated of either 1/4" welded sheets of ASTM A709 Grade 36 steel or from 1/4" structurol steel tubing ASTM A500 or A501.

Outside dimensions of drains are 8" \times 4".

Locate drains in slab by dimen-sions shown in Part Section Near Drain.

Shift reinforcing in field where necessory to clear drains.

The drains, coll inserts, and bracket assembly shall be galvonized in accordance with ASTM A123.

All boits, hordened washers, lock washers and nuts shall be galvonized in accordance with ASTM A153.

Shop drawings will not be required for slob drains and the brocket assembly.

Coil inserts shall hove a concrete pull-out strength (Ultimate load) of at least 2,500 pounds in 5,000 psi concrete.

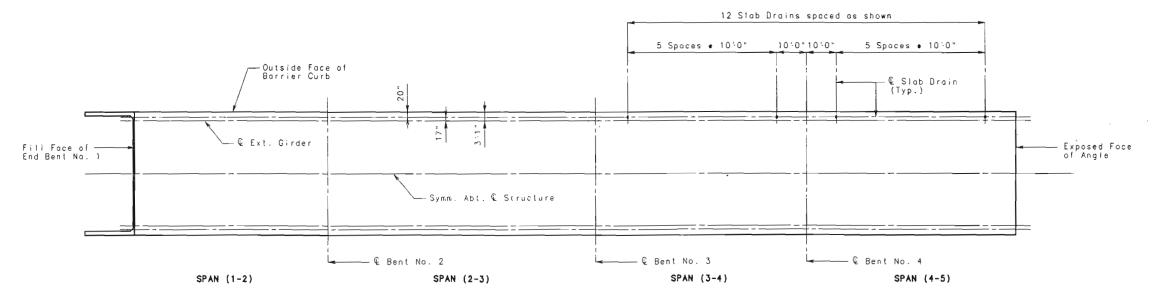
The bolt required to attach the slab droin brocket assembly to the prestressed girder web shall be supplied by the prestressed 1-girder fabricator.

The bolt hale for the brocket assembly attachment shall be located on the Prestressed I Girder shop drowings.

SLAB DRAIN DETAILS FOR PRESTRESSED I-GIRDER

Inside face of curt

PART PLAN OF SLAB AT DRAIN DETAILS OF DRAINS PARALLEL TO ROADWAY



PLAN OF SLAB SHOWING SLAB DRAIN LOCATION

NOTE: Longitudino! dimensions are horizontal.

DETAILED JAN. 1998 CHECKED MAR. 1998

30.P/S.1.A

PART SECTION NEAR DRAIN

SHEET NO. 75 OF 93.

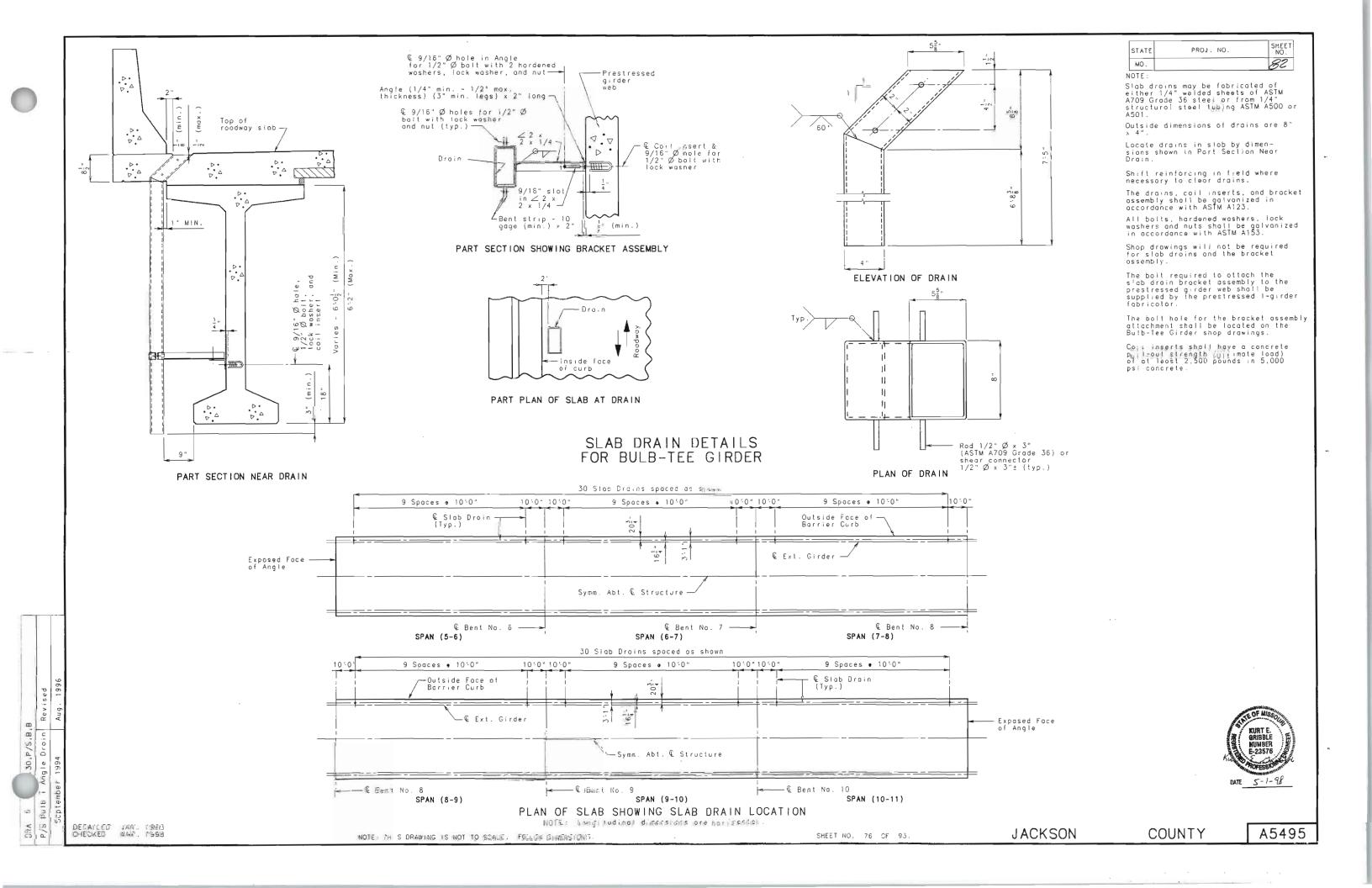
JACKSON

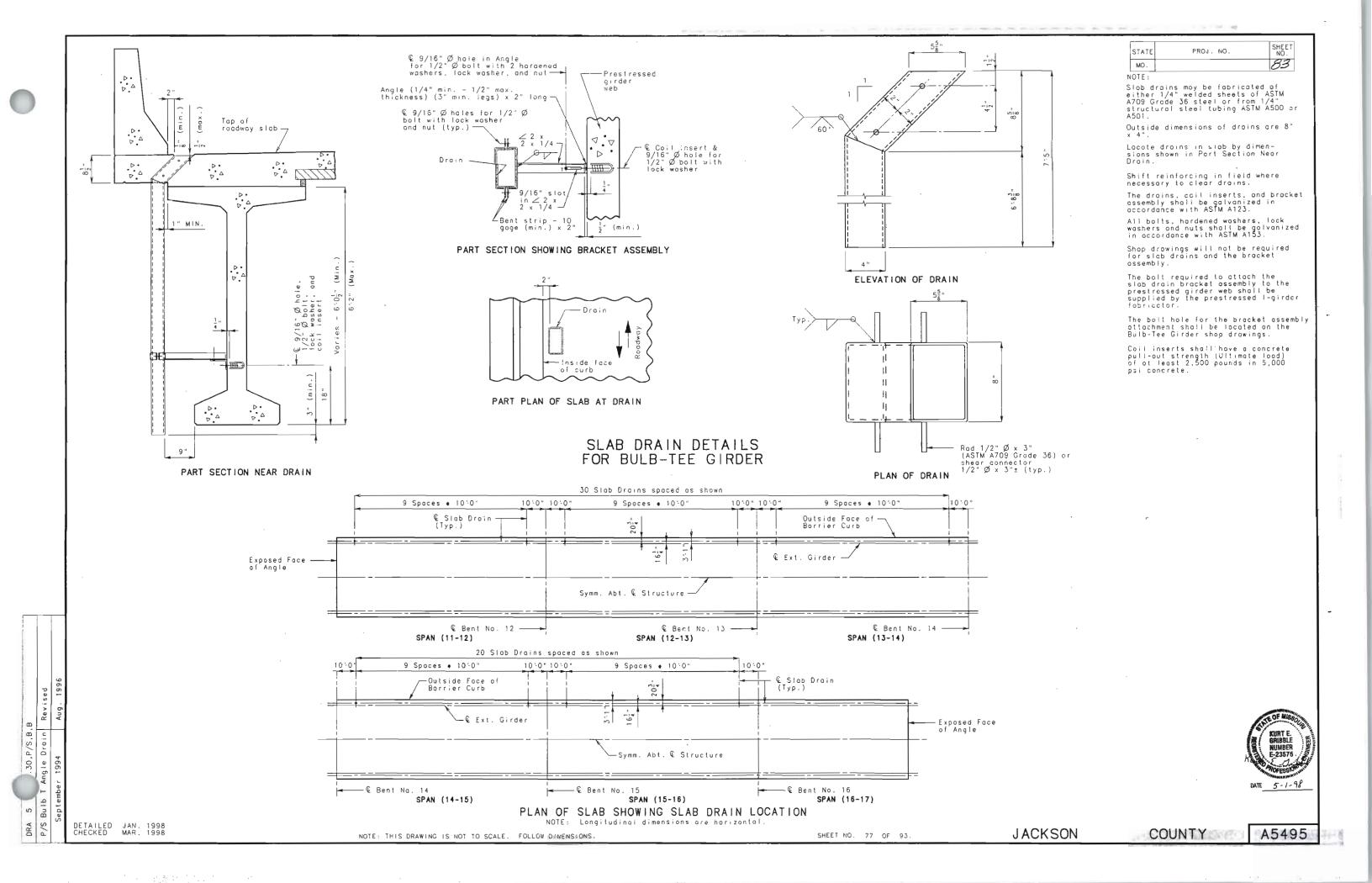
COUNTY

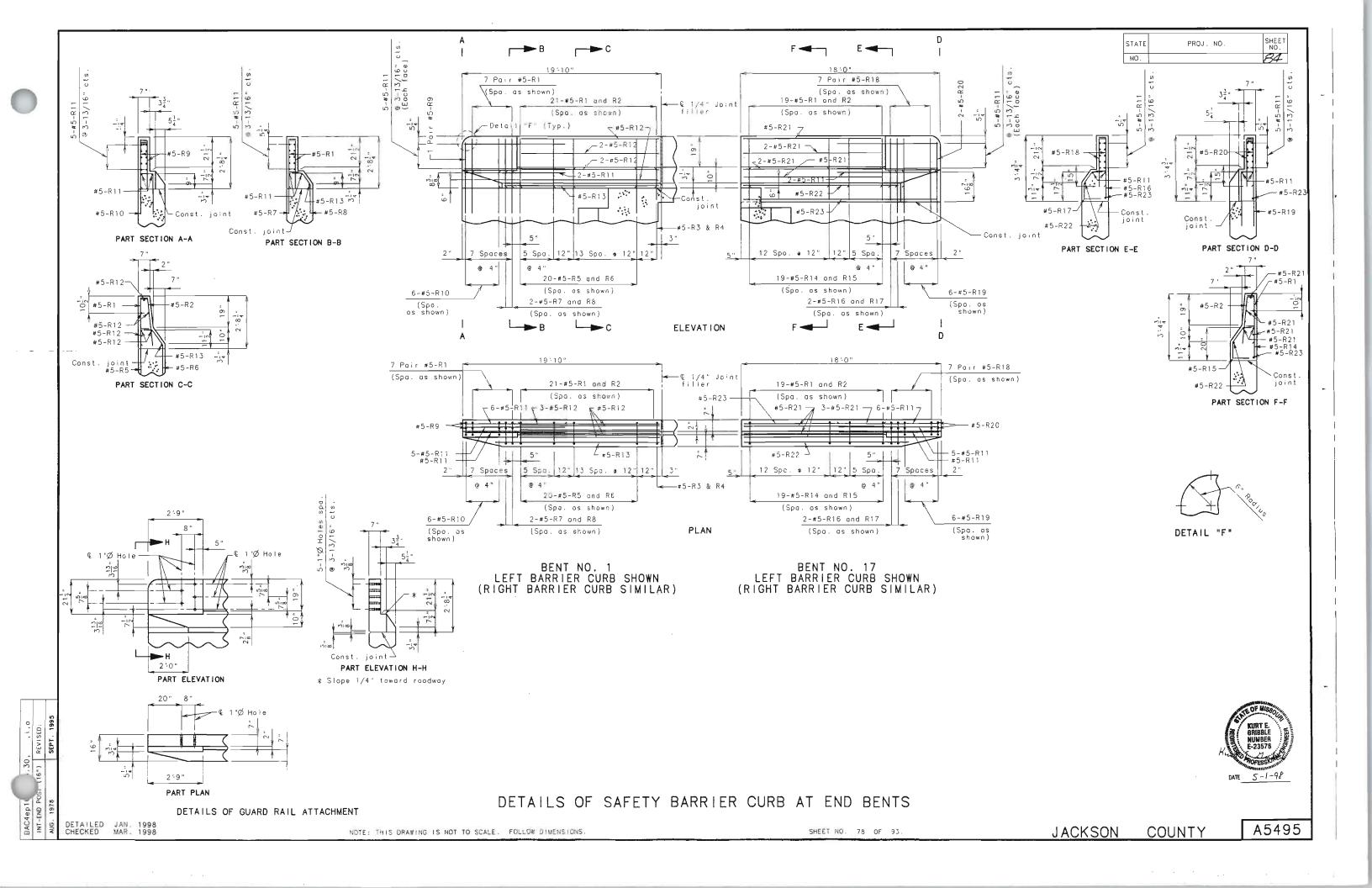
A5495

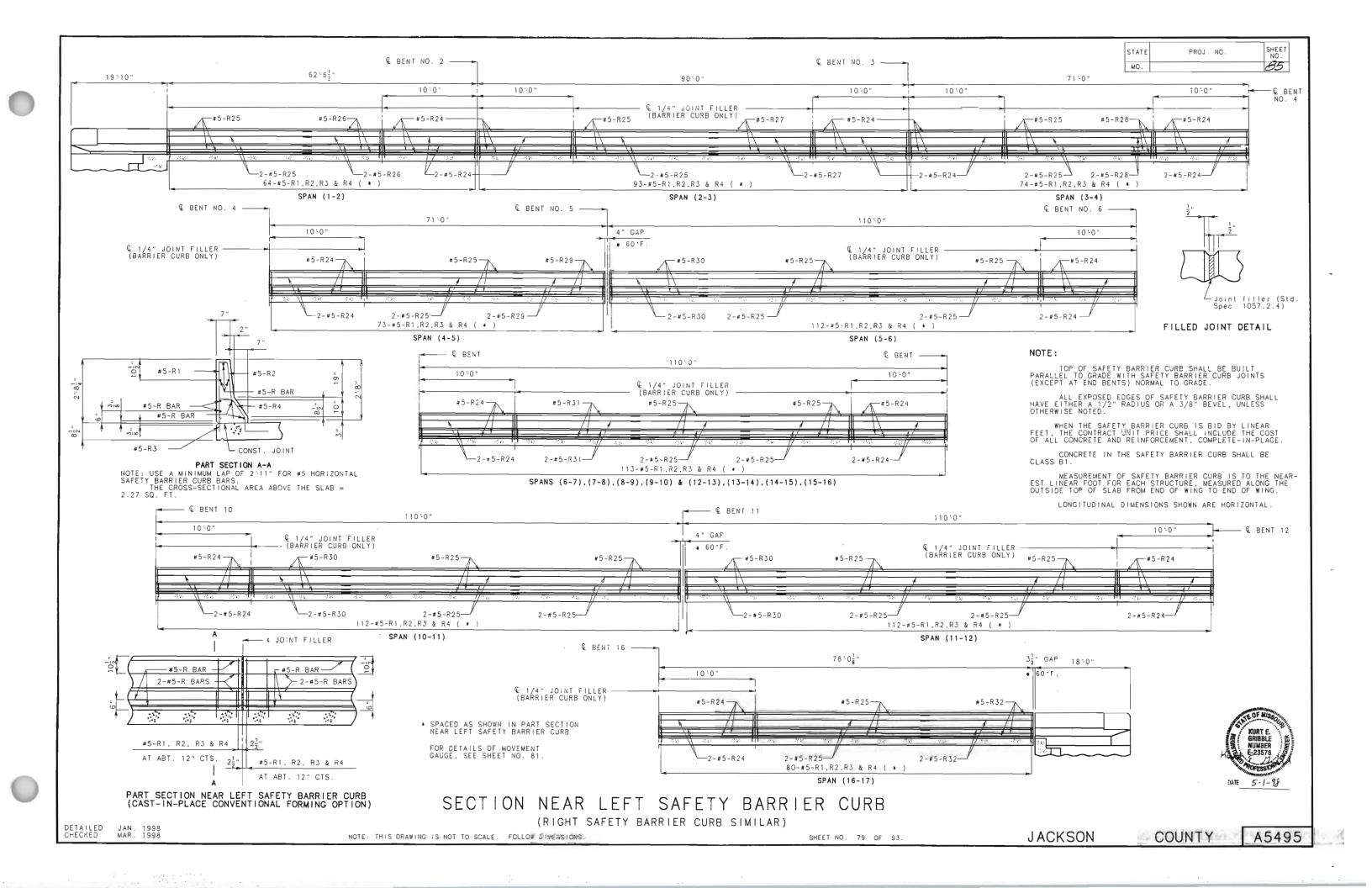
DATE 5-1-98

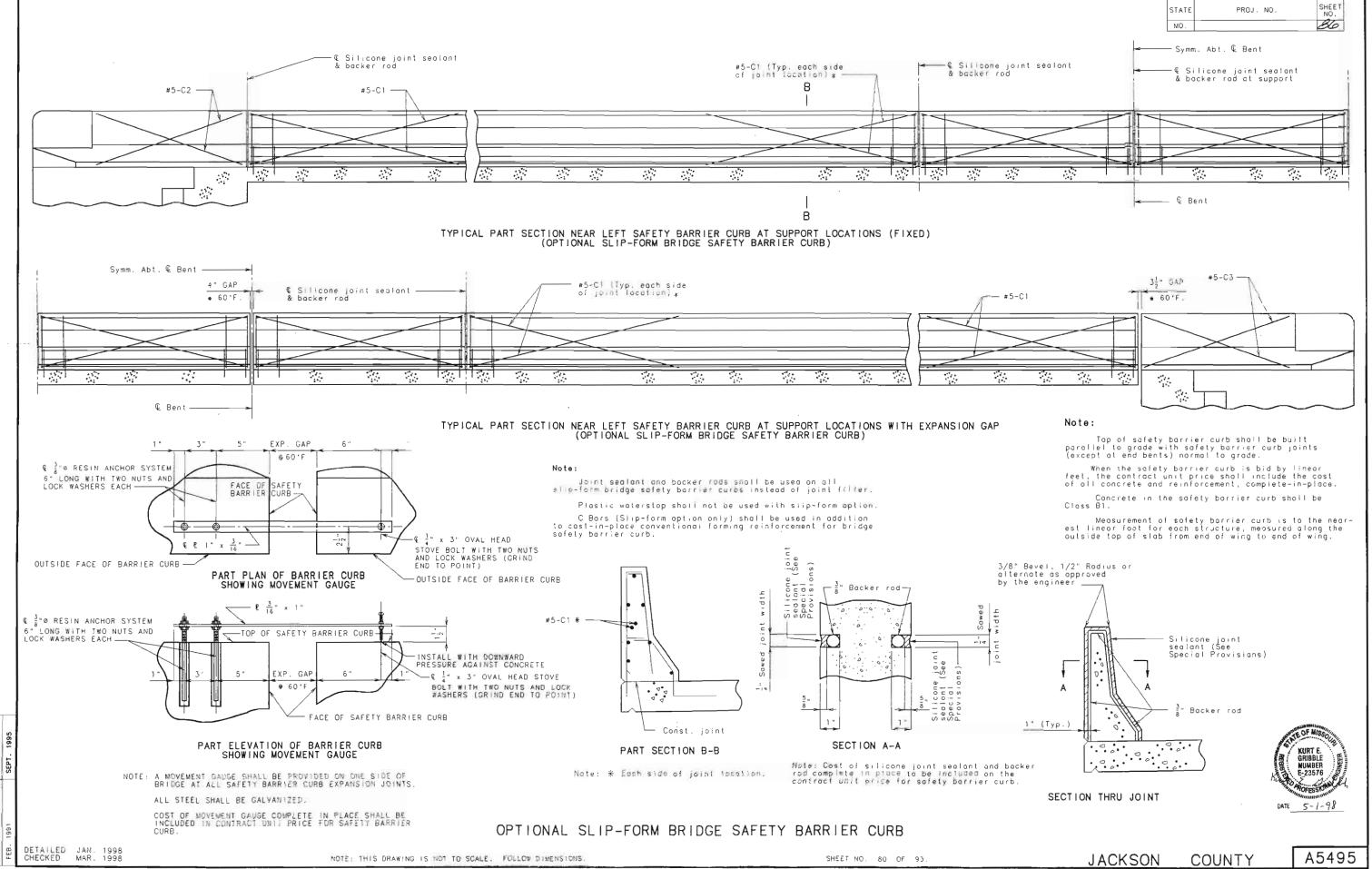
NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS





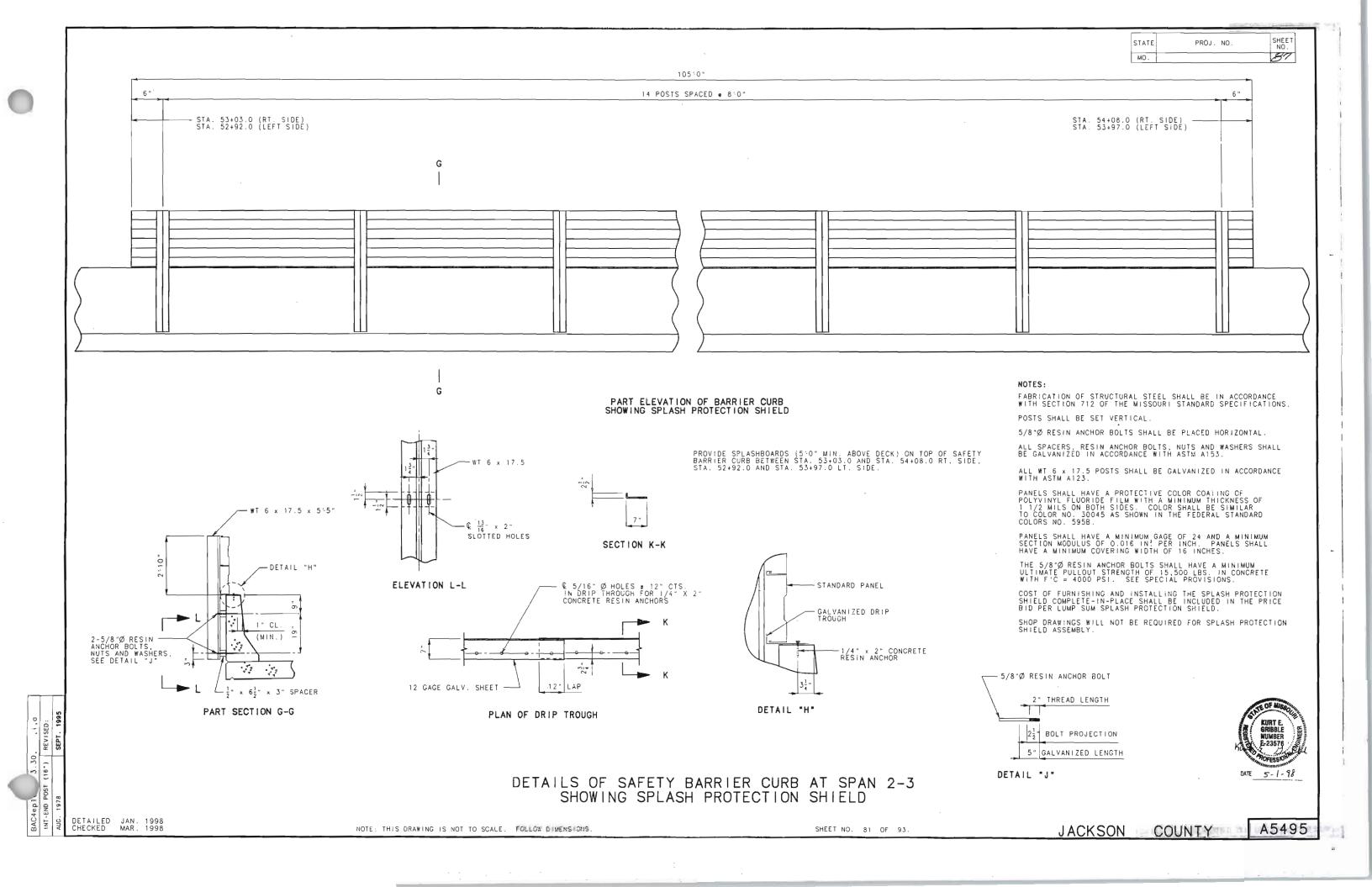


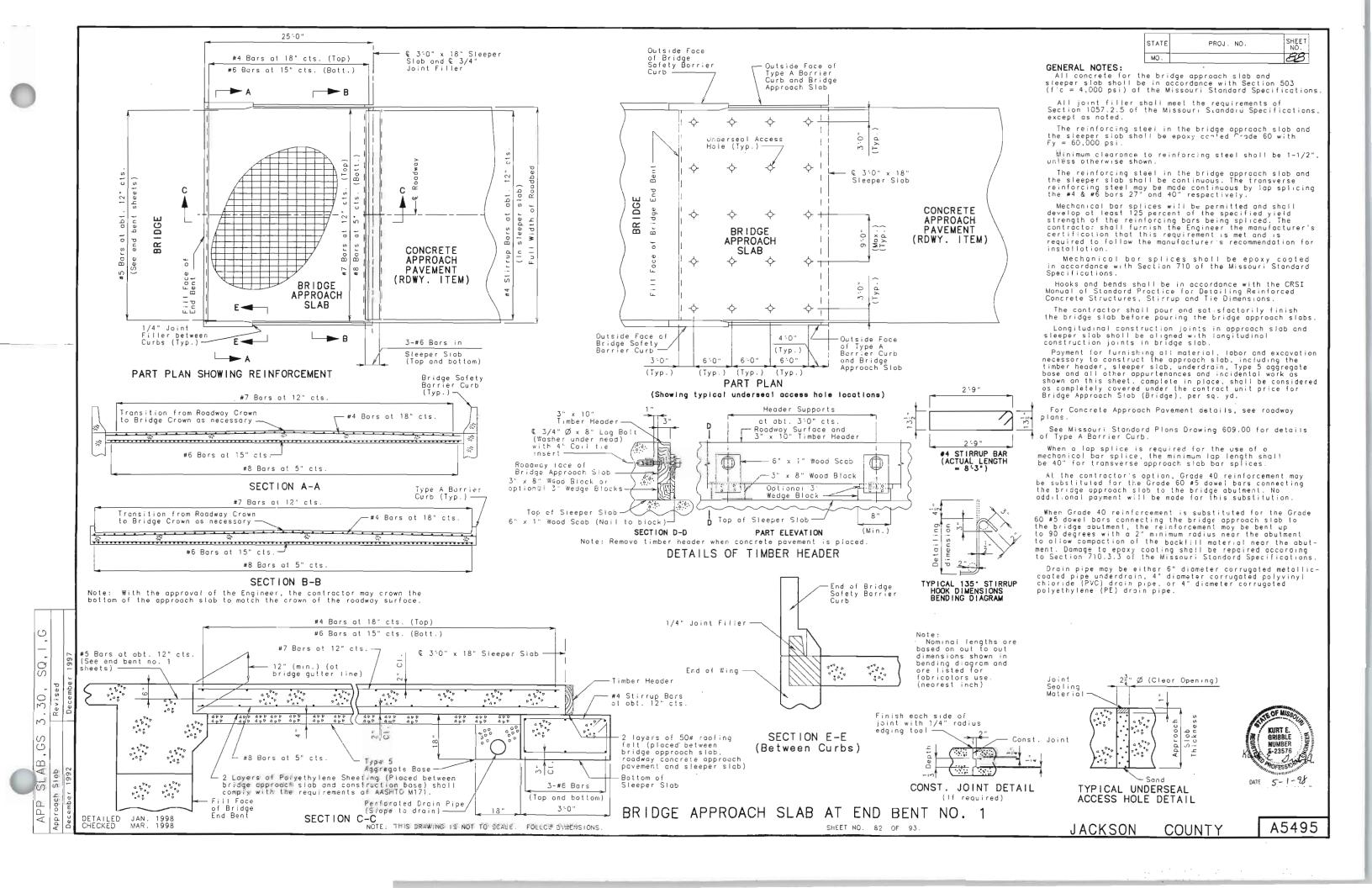


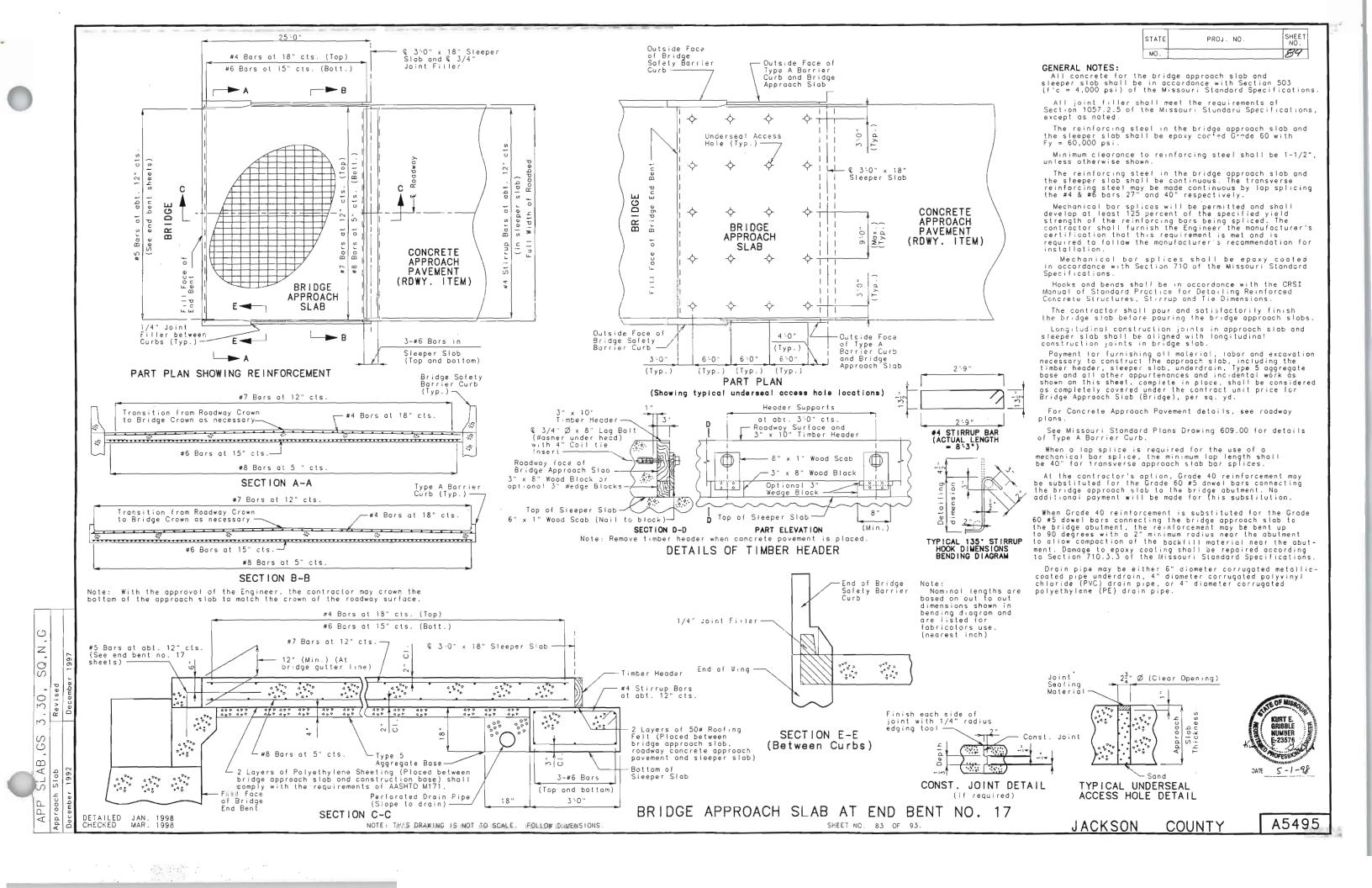


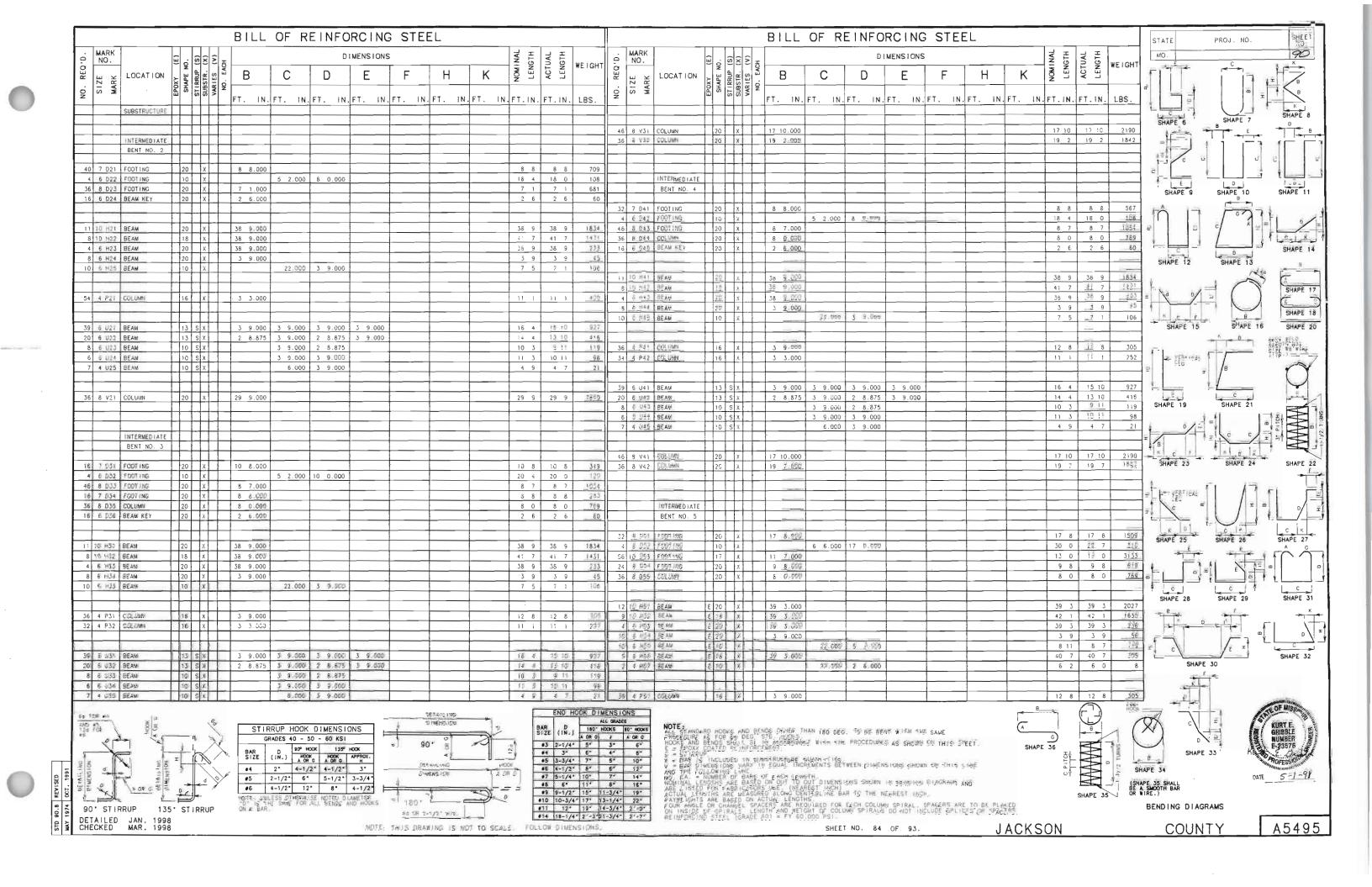
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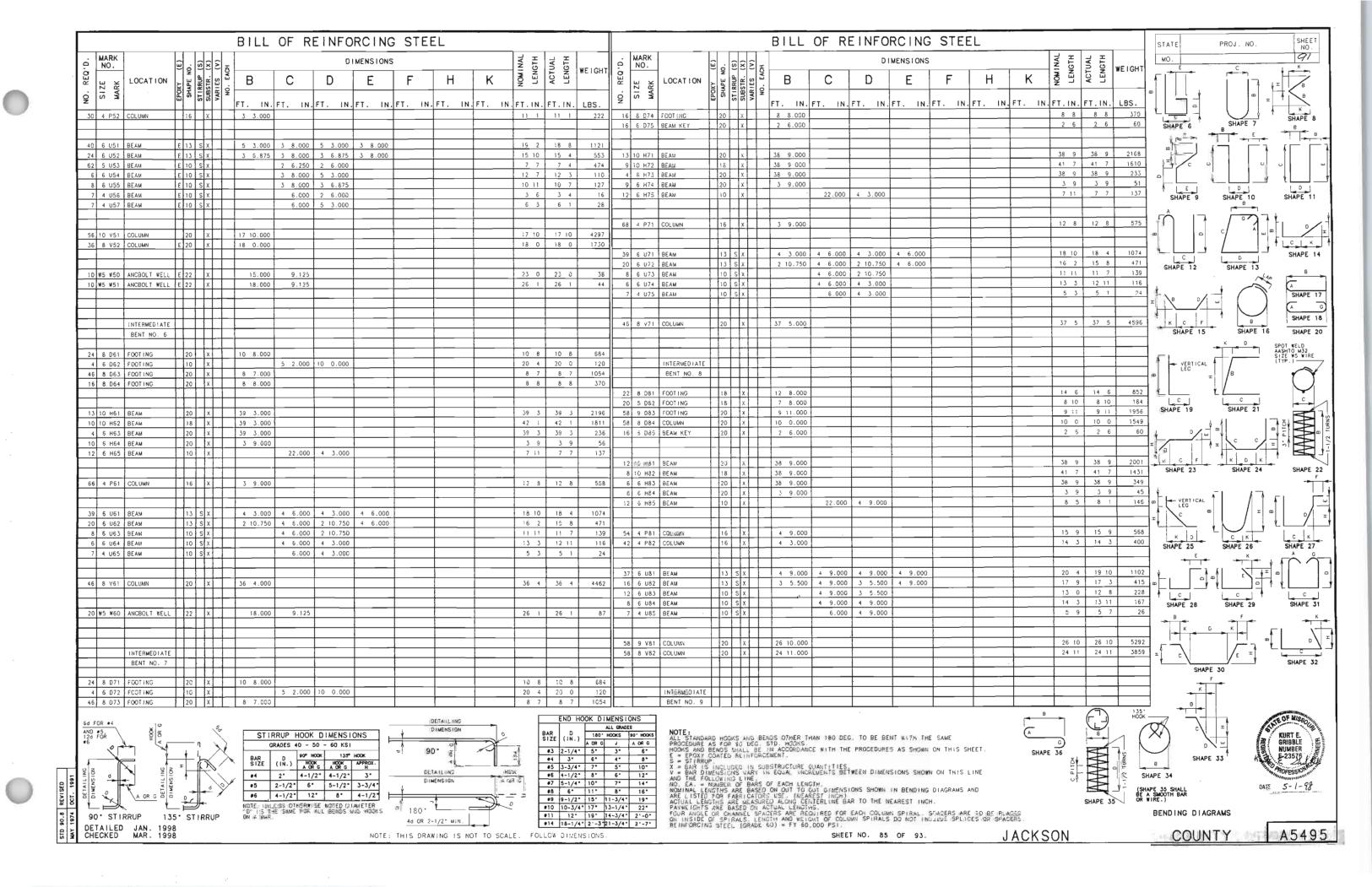
BARKIER CURB ELEVAT O

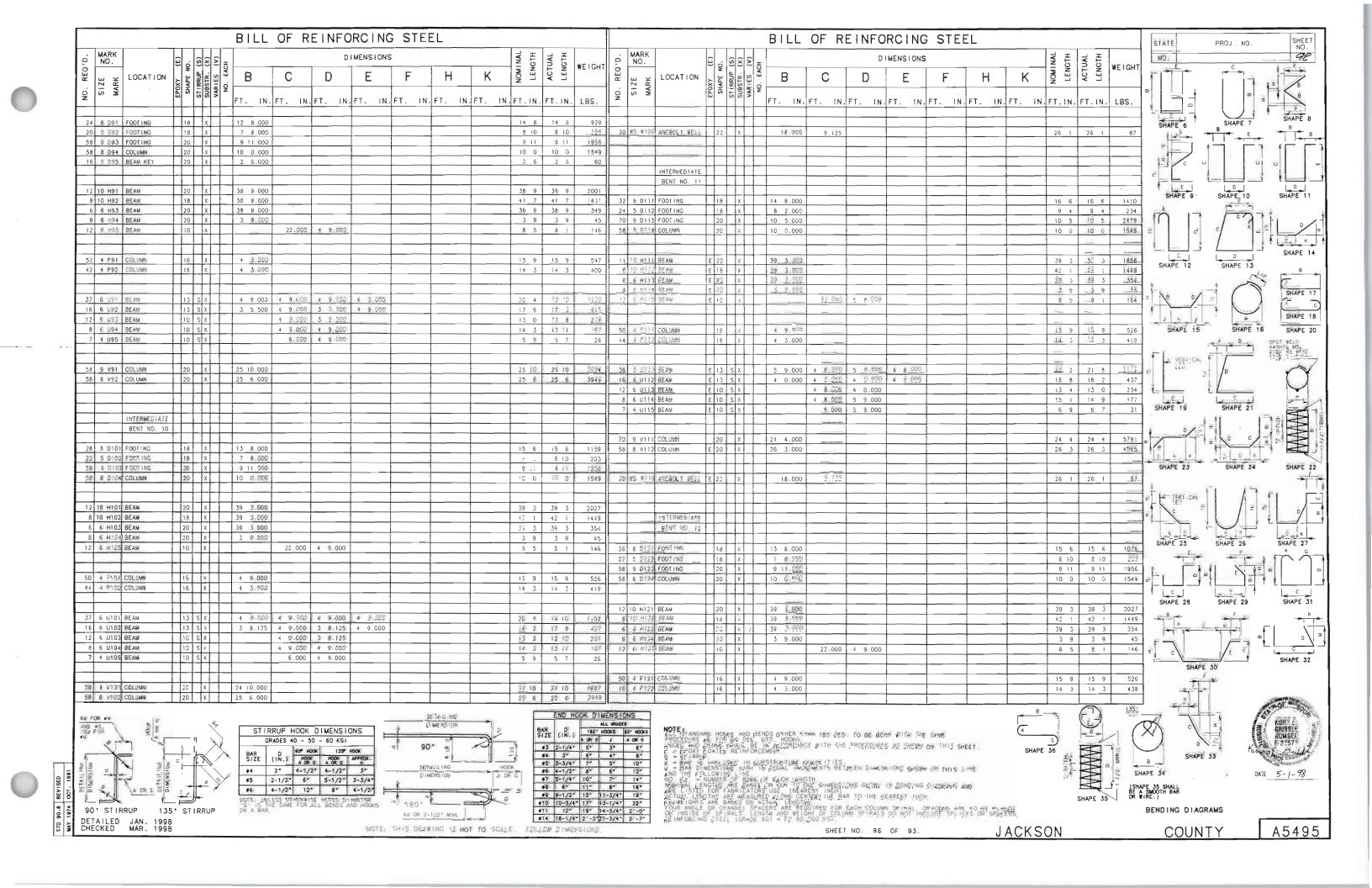


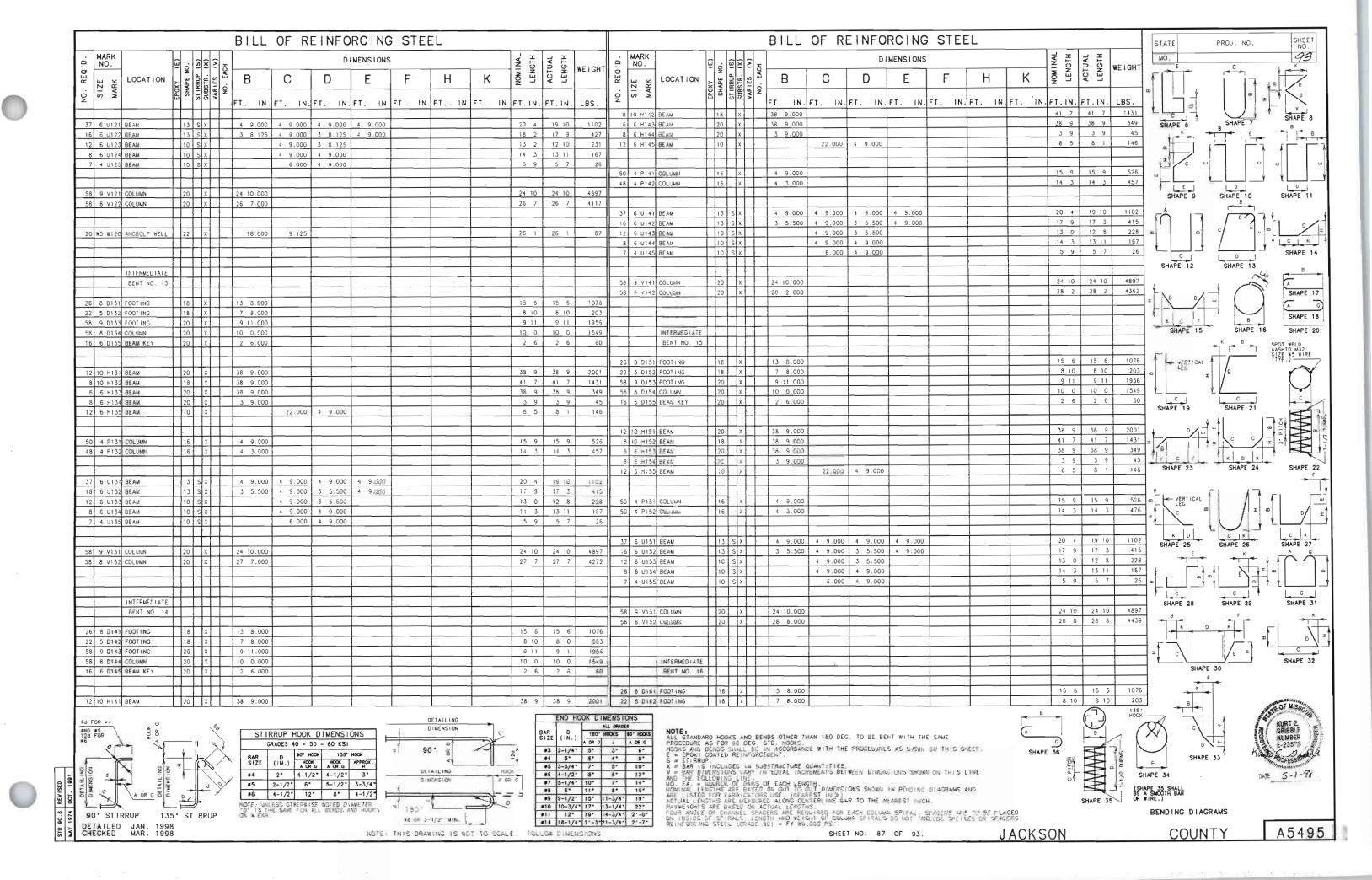


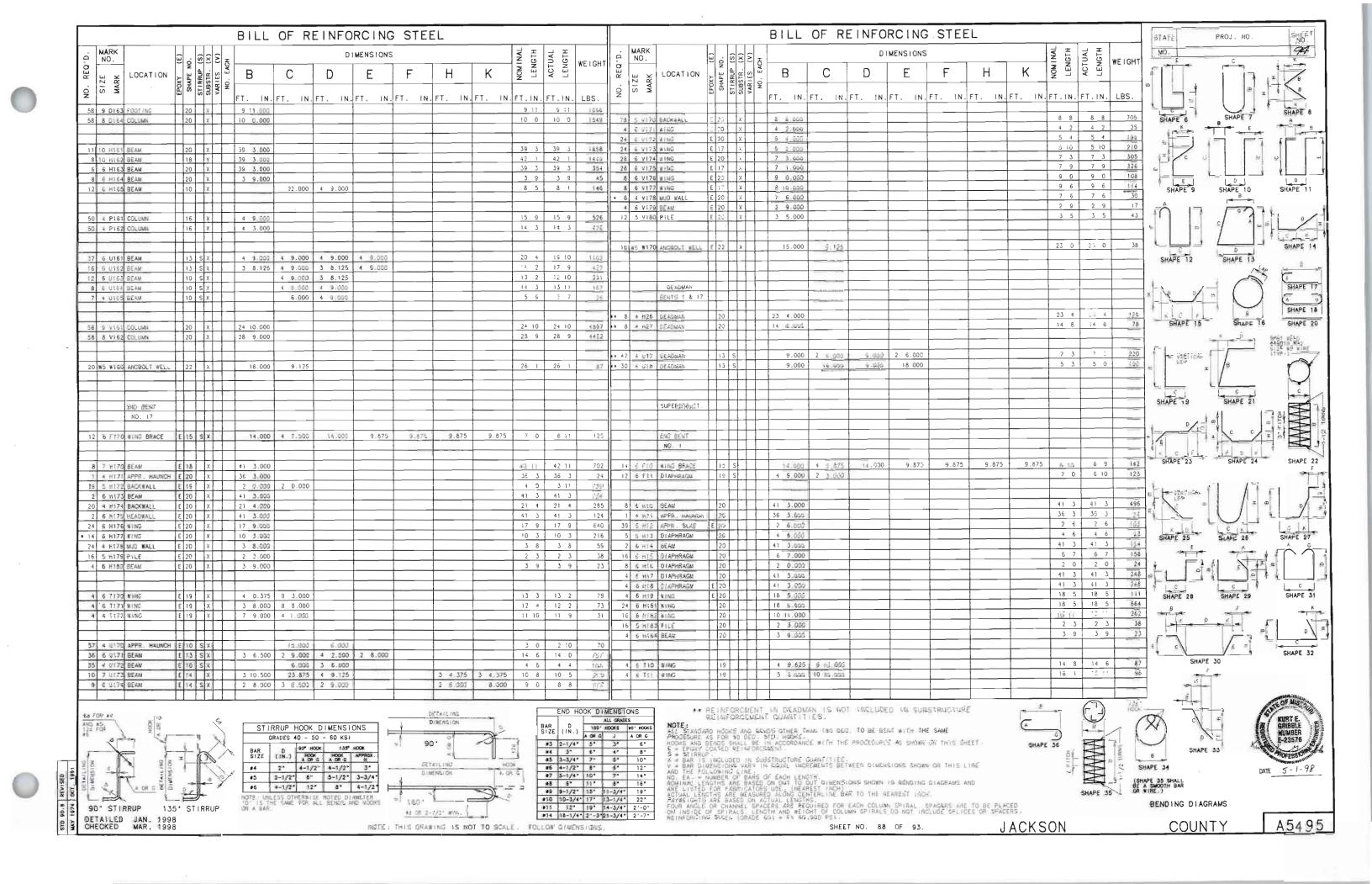


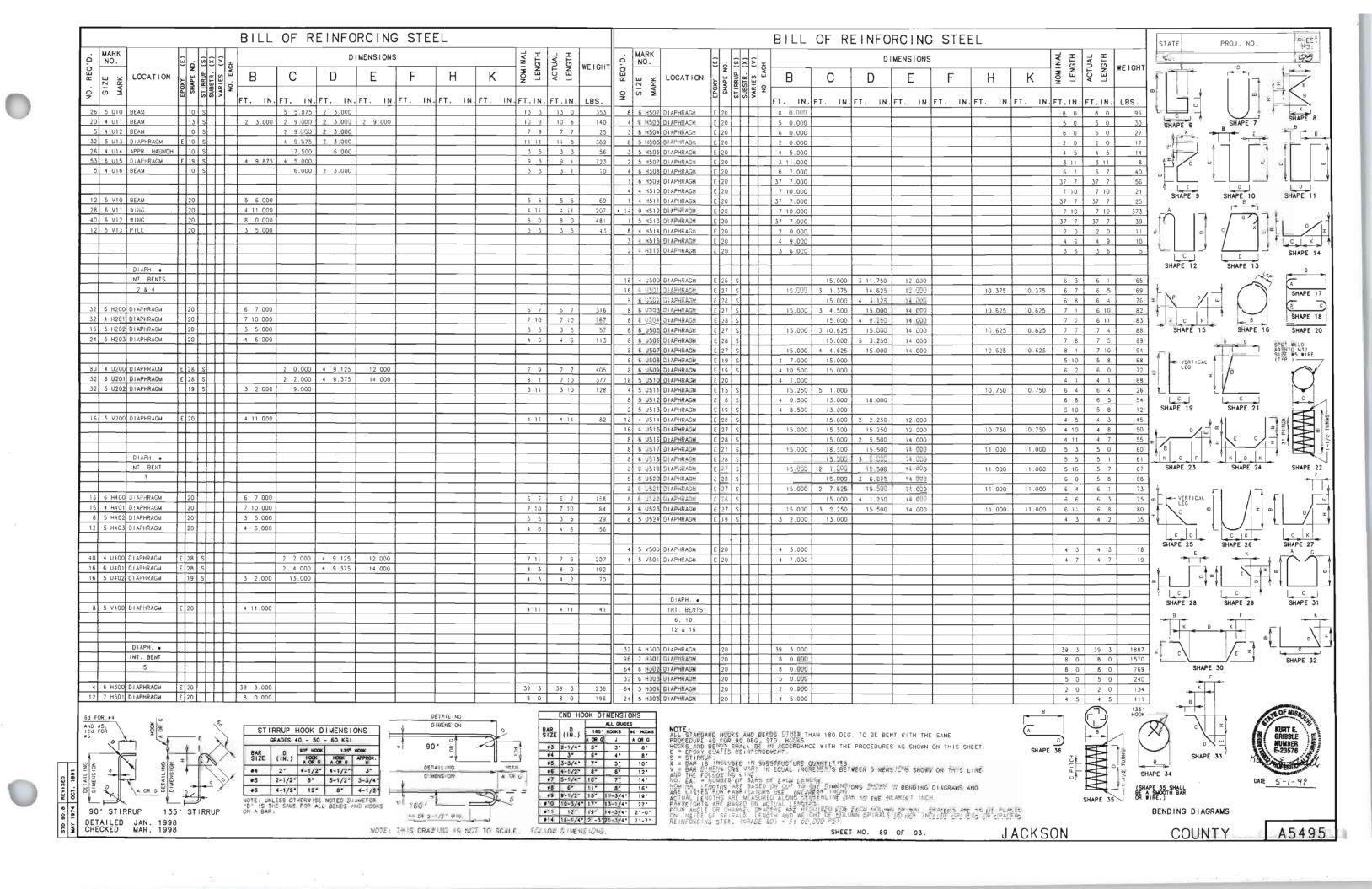


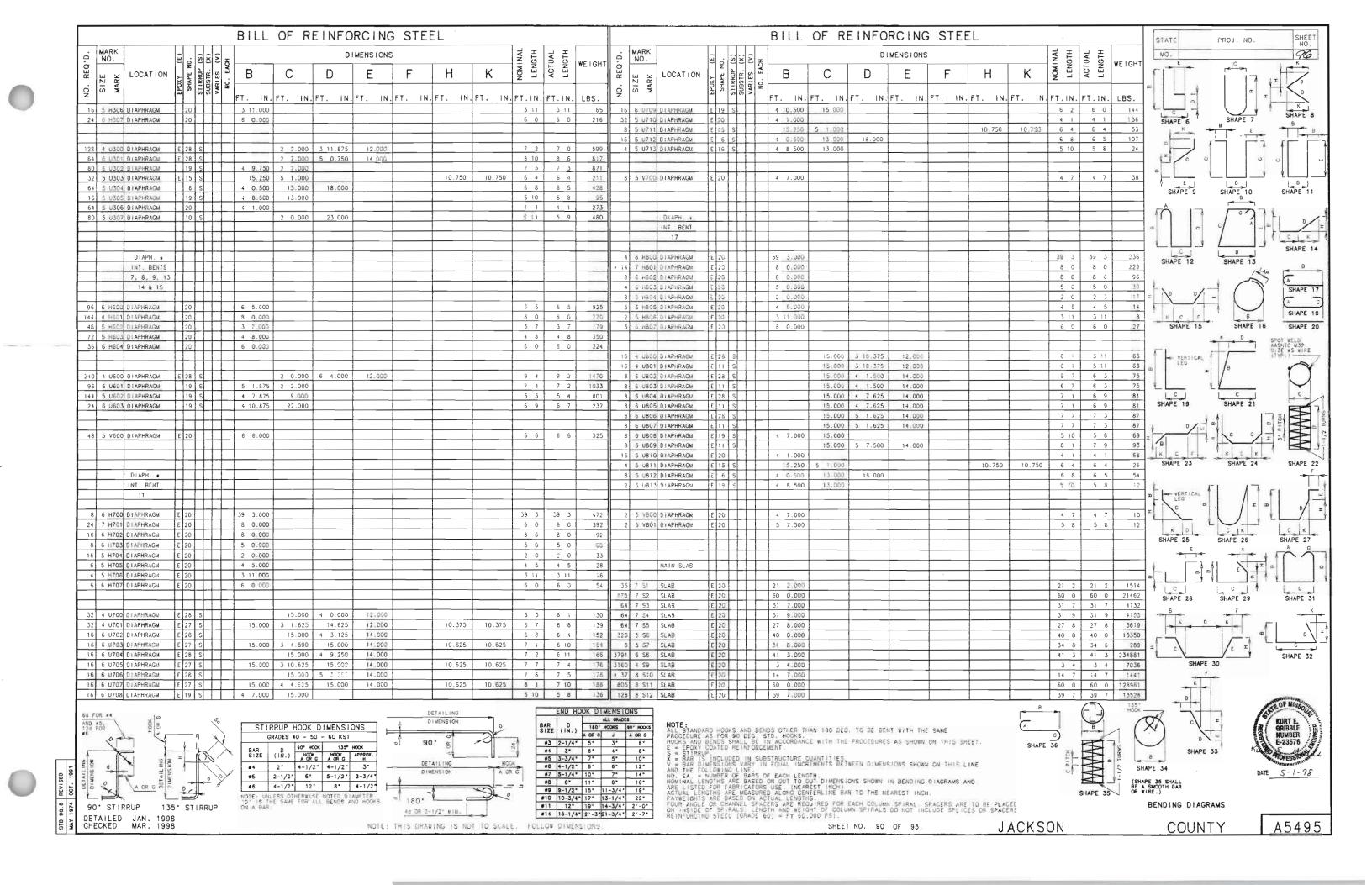


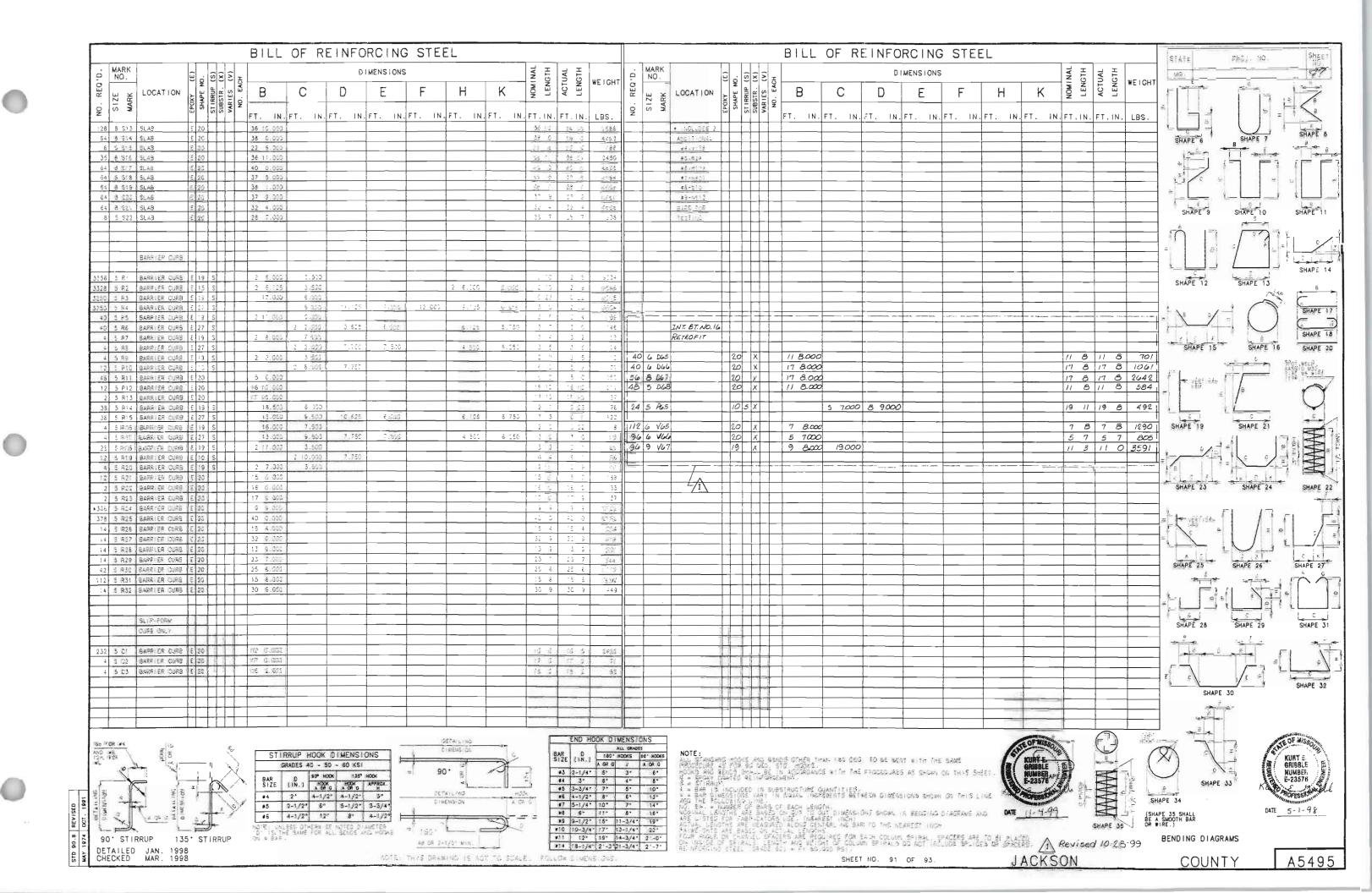


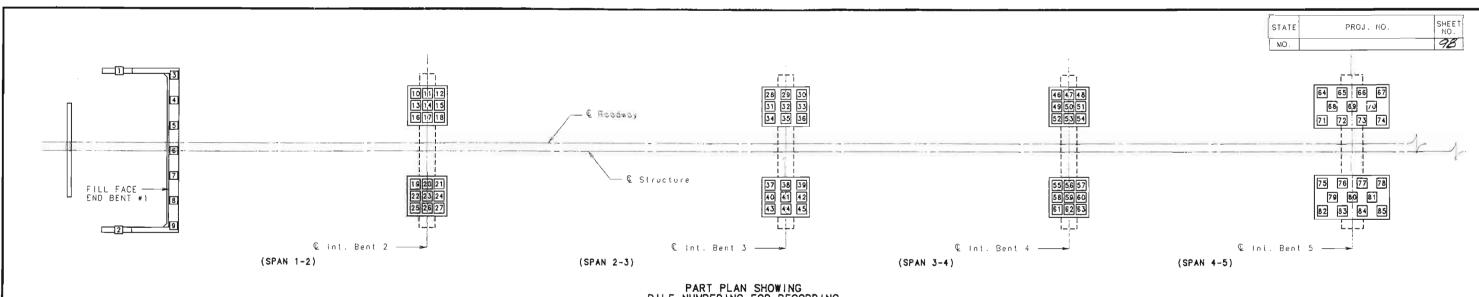












PART PLAN SHOWING
PILE NUMBERING FOR RECORDING
"AS BUILT PILE" DATA

"AS BUILT PILE" DATA

PUE	LENGTH	COMPUTED	"AS BUILT PILE" DATA
NO.	PLACE (FT.)	COMPUTED BEARING (TONS)	REMARKS
			END BENT NO. 1
1			
2			
3			
4	:		
_5			
6			
7			
8			
9			
			INT. BENT NO. 2
10			
11			
12			
13			
14			
15			
16			
17			
18			
10			
19			
20			
22		_	
23			
24			
25			
26			
27			
-			
	-		INT. BENT NO. 3
28			25
29			
30			
31			

PILE NO.	LENGTH IN PLACE (FT.)	COMPUTED BEARING (TONS)	REMARKS
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
4 4			
45			
			INT. BENT NO. 4
46			-
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60		-	
61			
62			
63			

		LENGTH	
REMARKS	COMPUTED BEARING (TONS)	LENGTH IN PLACE (FT.)	NO.
INT. BENT NO. 5			
· · · · · · · · · · · · · · · · · · ·			64
			65
			66
			67
			68
			69
			70
			71
			72
			73
			74
			75
			76
			77
			78
			79
			80
			81
			82
	- · - · ·		83
			84
			85

NOTE: THIS SHEET TO BE COMPLETED BY MHTD CONSTRUCTION PERSONNEL.



NOTE: INDICATE IN REMARK COLUMN:

A.) IF PILING WERE DRIVEN TO PRACTICAL REFUSAL.

B.) PILE BATTER IF OTHER THAN SHOWN ON BENT DETAIL SHEET.

C.) TYPE OF PILING USED.

DATE 5-1-98

DETAILED JAN. 1998 CHECKED MAR. 1998

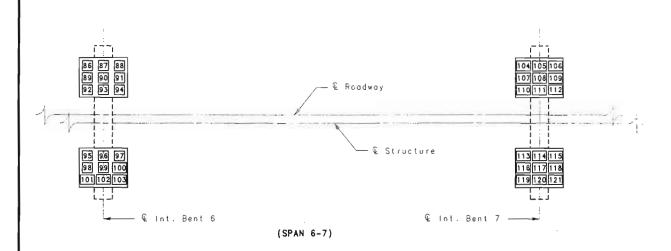
NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

JACKSON SHEET NO. 92 OF 93.

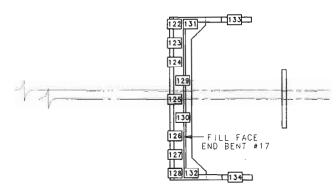
COUNTY

A5495

STATE PROJ. NO. MO. 99



Int. Bents No. 8-16 hove spread toolings, no piles are required.



(SPANS 7-8 THRU 16-17)

PART PLAN SHOWING PILE NUMBERING FOR RECORDING "AS BUILT PILE" DATA

			"AS BUILT PILE" DATA
PILE NO.	LENGTH IN PLACE (FT.)	COMPUTED BEARING (TONS)	REMARKS
			INT. BENT NO. 6
86			
87			
88_			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98	_		
99			
100			
101		-	
102			
103			

PILE NO.	LENGTH IN PLACE (FT.)	COMPUTED BEARING (TONS)	REMARKS
			INT. BENT NO. 7
104			
105			
106			
107			
108			
109			
110			
111			
112			
113			
114			
115			
116	:		
117			
118			
119			
120			
121			

			"AS BUILT PILE" DATA
PILE NO.	LENGTH IN PLACE (FT.)	COMPUTED BEARING (TONS)	REMARKS
			END BENT NO. 17
122			
123			
124			
125			
126			
127			
128	_		
129			
130			
131	_		
132			
133			
134			

NOTE: THIS SHEET TO BE COMPLETED BY MHTD CONSTRUCTION PERSONNEL.



SHEET NO. 93 OF 93.

NOTE: INDICATE IN REMARK COLUMN:

A.) IF PILING WERE DRIVEN TO PRACTICAL REFUSAL.

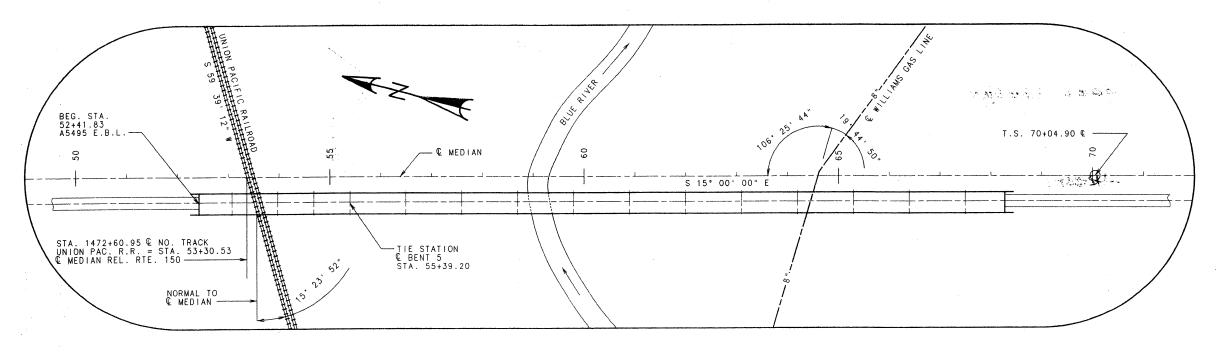
B.) PILE BATTER IF OTHER THAN SHOWN ON BENT DETAIL SHEET.

C.) TYPE OF PILING USED.

DETAILED JAN. 1998 CHECKED MAR. 1998

MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

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DETAILS OF INTERMEDIATE BENT NO. 11
                                                                                                                                                                           DETAILS OF DIAPHRAGM AT END BENT NO. 17
       LOCATION SKETCH & INDEX OF DRAWINGS
                                                                                         DETAILS OF INTERMEDIATE BENT NO. 11
                                                                                                                                                                    64.
                                                                                                                                                                           DETAILS OF STEEL INTERMEDIATE DIAPHRAGMS
       PART PLAN AND PART ELEVATION
                                                                                  33.
                                                                                         DETAILS OF INTERMEDIATE BENT NO. 12
                                                                                                                                                                    65.
                                                                                                                                                                           DETAILS OF FINGER PLATE EXPANSION DEVICE AT BENTS 5 & 11
       PART PLAN AND PART ELEVATION
                                                                                  34
                                                                                                                                                                           DETAILS OF FLAT PLATE EXPANSION DEVICE AT END BENT NO. 17
                                                                                         DETAILS OF INTERMEDIATE BENT NO. 12
                                                                                                                                                                    66.
       PART PLAN AND PART ELEVATION
                                                                                         DETAILS OF INTERMEDIATE BENT NO. 13
                                                                                                                                                                    6.7
                                                                                                                                                                           PLAN OF SLAB REINFORCEMENT
       PART PLAN AND PART ELEVATION
                                                                                                                                                                           PLAN OF SLAB REINFORCEMENT
                                                                                          DETAILS OF INTERMEDIATE BENT NO. 13
                                                                                                                                                                    68.
       PART PLAN AND PART ELEVATION
       GENERAL NOTES-QUANTITIES-PILE & FOOTING TABLE-HYDROLOGIC DATA TABLE
                                                                                          DETAILS OF INTERMEDIATE BENT NO. 14
                                                                                                                                                                    69.
                                                                                                                                                                           PLAN OF SLAB REINFORCEMENT
                                                                                          DETAILS OF INTERMEDIATE BENT NO. 14
                                                                                                                                                                           PRECAST PRESTRESSED PANELS
       BORING DATA
                                                                                          DETAILS OF INTERMEDIATE BENT NO. 15
                                                                                                                                                                           CAMBER DIAGHRAM & SLAB POURING SEQUENCE
       BORING DATA
                                                                                         DETAILS OF INTERMEDIATE BENT NO. 15
                                                                                                                                                                    72.
                                                                                                                                                                           THEORETICAL SLAB HAUNCHING DIAGHRAM
       VERTICAL DRAINS AT END BENTS
                                                                                  41.
10.
                                                                                          DETAILS OF INTERMEDIATE BENT NO. 16
                                                                                                                                                                           THEORETICAL BOTTOM OF SLAB ELEVATIONS
                                                                                                                                                                    73.
      DETAILS OF DEADMAN ANCHORAGE SYSTEM
                                                                                   42.
11.
      DETAILS OF END BENT NO. 1
                                                                                                                                                                           THEORETICAL BOTTOM OF SLAB ELEVATIONS
                                                                                          DETAILS OF INTERMEDIATE BENT NO. 16
                                                                                                                                                                    74.
                                                                                  43.
12.
                                                                                                                                                                           DETAILS OF SLAB DRAINS
                                                                                          DETAIL'S OF END BENT NO. 17
       DETAILS OF END BENT NO. 1
13.
                                                                                          DETAILS OF END BENT NO. 17
                                                                                                                                                                           DETAILS OF SLAB DRAINS
       DETAILS OF INTERMEDIATE BENT NO. 2
                                                                                   45.
                                                                                          DETAILS OF END BENT NO. 17
                                                                                                                                                                    77.
                                                                                                                                                                           DETAILS OF SLAB DRAINS
       DETAILS OF INTERMEDIATE BENT NO. 2
                                                                                  46.
15.
                                                                                          DETAILS OF LAMINATED NEOPRENE BEARING PAD OF
                                                                                                                                                                    78.
                                                                                                                                                                           DETAILS OF SAFETY BARRIER CURB AT END BENT NO. 1 AND END BENT NO. 17.
       DETAILS OF INTERMEDIATE BENT NO. 3
                                                                                  47.
16.
                                                                                                                                                                           DETAILS OF SAFETY BARRIER CURB - SECTION NEAR LEFT BARRIER CURB
                                                                                          DETAILS OF TYPE "N" PTFE BEARING PAD
                                                                                                                                                                    79.
       DETAILS OF INTERMEDIATE BENT NO. 3
                                                                                  48.
17.
                                                                                                                                                                          - OPTIONAL SLIP-FORM BRIDGE SAFETY BARRIER CURB
                                                                                          DETAILS OF GIRDERS - SPAN (1-2)
       DETAILS OF INTERMEDIATE BENT NO. 4
                                                                                                                                                                    80.
18.
       DETAILS OF INTERMEDIATE BENT NO. 4
                                                                                                                                                                           DETAILS OF SPLASH PROTECTION SHIELD
                                                                                  50.
                                                                                          DETAILS OF GIRDERS - SPAN (2-3)
                                                                                                                                                                    81.
                                                                                          DETAILS OF GIRDERS - SPAN (3-4)
                                                                                                                                                                           APPROACH SLAB AT END BENT NO. 1.
       DETAILS OF INTERMEDIATE BENT NO. 5
                                                                                  51.
                                                                                                                                                                           APPROACH SLAB AT END.BENT NO. 17
                                                                                          DETAILS OF GIRDERS - SPAN (4-5)
                                                                                                                                                                    83.
       DETAILS OF INTERMEDIATE BENT NO. 5
                                                                                  52.
21.
                                                                 THE
TION
THE
THAN
                                                                                                                                                                           BAR BILL
                                                                                         DETAILS OF GIRDERS - SPAN (5-6)
                                                                                                                                                                    84
       DETAILS OF INTERMEDIATE BENT NO. 6
                                                                                  53.
22.
                                                                                                                                                                           BAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 6
                                                                                         DETAILS OF GIRDERS - SPANS (6-7), (7-8), (8-9) & (9-10)
                                                                                                                                                                    85.
23.
                                                                                                                                                                                                                           FINAL PLANS
       DETAILS OF INTERMEDIATE BENT NO. 7
                                                                                         DETAILS OF GIRDERS - SPAN (10-11)
                                                                                                                                                                    86
                                                                                                                                                                           BAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 7
                                                                                         DETAILS OF GIRDERS - SPAN (11-12)
                                                                                                                                                                           BAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 8
                                                                                  57.
                                                                                         DETAILS OF GIRDERS - SPANS (12-13), (13-14), (14-15) & (15-16)
                                                                                                                                                                    88
                                                                                                                                                                           BAR BILL
                                                                                         DETAILS OF GIRDERS - SPAN (16-17)
                                                                                                                                                                    89
                                                                                                                                                                           BAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 8
                                                                                   58.
27.
                                                                                         DETAILS OF DIAPHRAGM AT INTERMEDIATE BENTS NO. 2, 4, 6, 10, 12 & 16 90 DETAILS OF DIAPHRAGM AT INTERMEDIATE BENTS NO. 3, 7, 8, 9, 13, 14 & 15 91
                                                                                                                                                                           BAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 9
                                                                                  59.
28.
                                                                                                                                                                           BAR BILL
                                                                                  60.
       DETAILS OF INTERMEDIATE BENT NO. 9
29.
                                                                                                                                                                           "AS BUILT PILE" DATA
      DETAILS OF INTERMEDIATE BENT NO. 10
                                                                                         DETAILS OF DIAPHRAGM AT INTERMEDIATE BENT NO. 5
                                                                                                                                                                    92.
30.
                                                                                         DETAILS OF DIAPHRAGM AT INTERMEDIATE BENT NO. 11
                                                                                                                                                                    93.
                                                                                                                                                                           "AS BUILT PILE" DATA
      DETAILS OF INTERMEDIATE BENT NO. 10
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LOCATION SKETCH

BM#1501 - ELEV. 866.16 100d SPIKE, N.W. FACE R.R. TELEGRAPH POLE, 200' R/O STA. 53+30± & RELOCATED RTE. 150. BRIDGE OVER BLUE RIVER & UNION PACIFIC RAILROAD

STATE ROAD FROM RTE. 71 TO KANSAS STATE LINE ABOUT 0.7 MI. S.E. OF KANSAS STATE LINE

PROJECT NO.
JOB NO. J4U1011C

STA. 55+39.20 RTE.150 E.B.L.

JACKSON

COUNTY

h. S.-j-9k

STD. 609.00 STD. 706.35 A5495

PETROLEUM PRODUCTS PIPELINE!

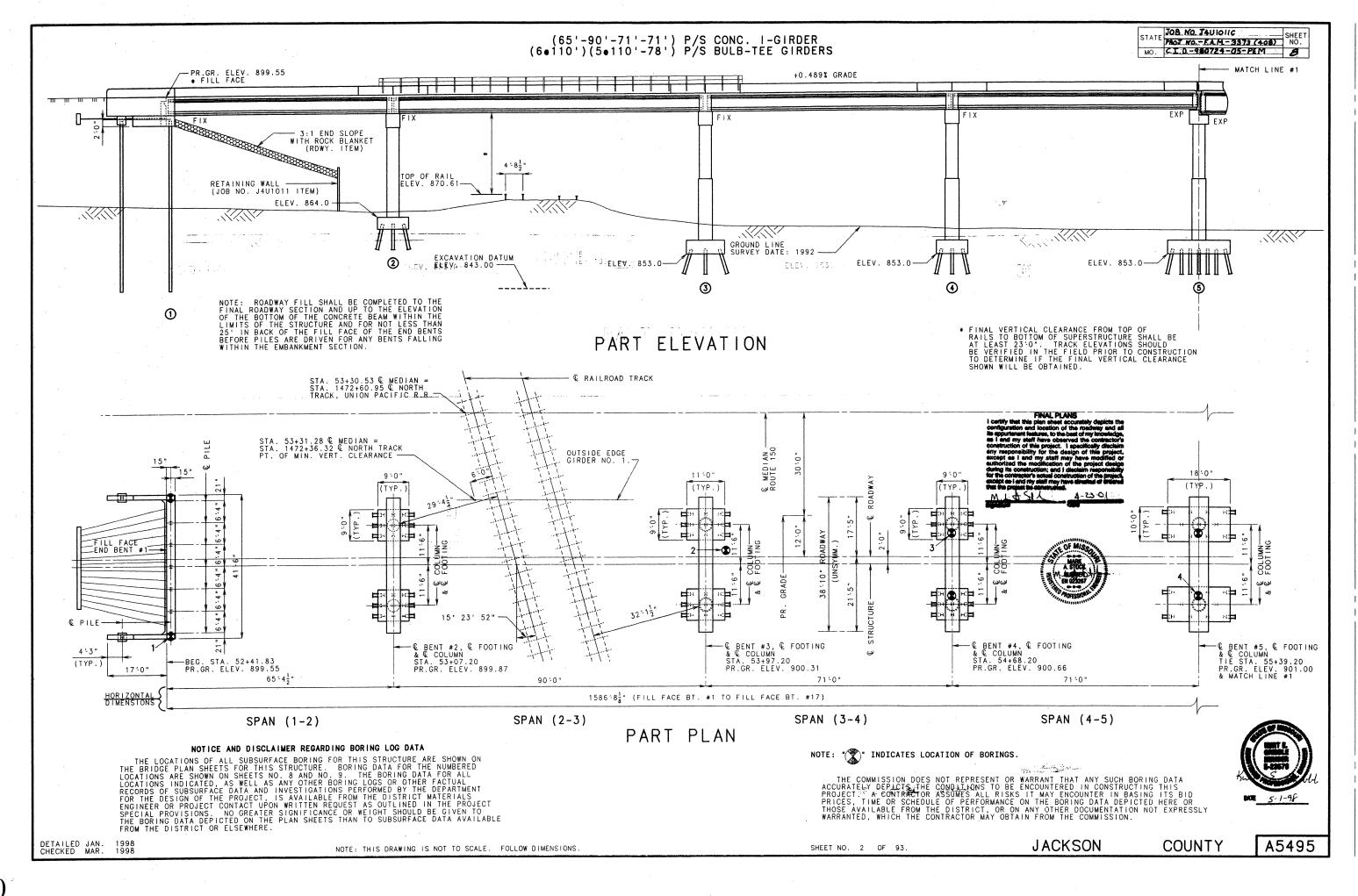
AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION CONTACT WILLIAMS PIPE LINE COMPANY AT 8001 COLLEGE BLVD., SUITE 200 OVERLAND PARK, KS 66210 (913) 663-9331

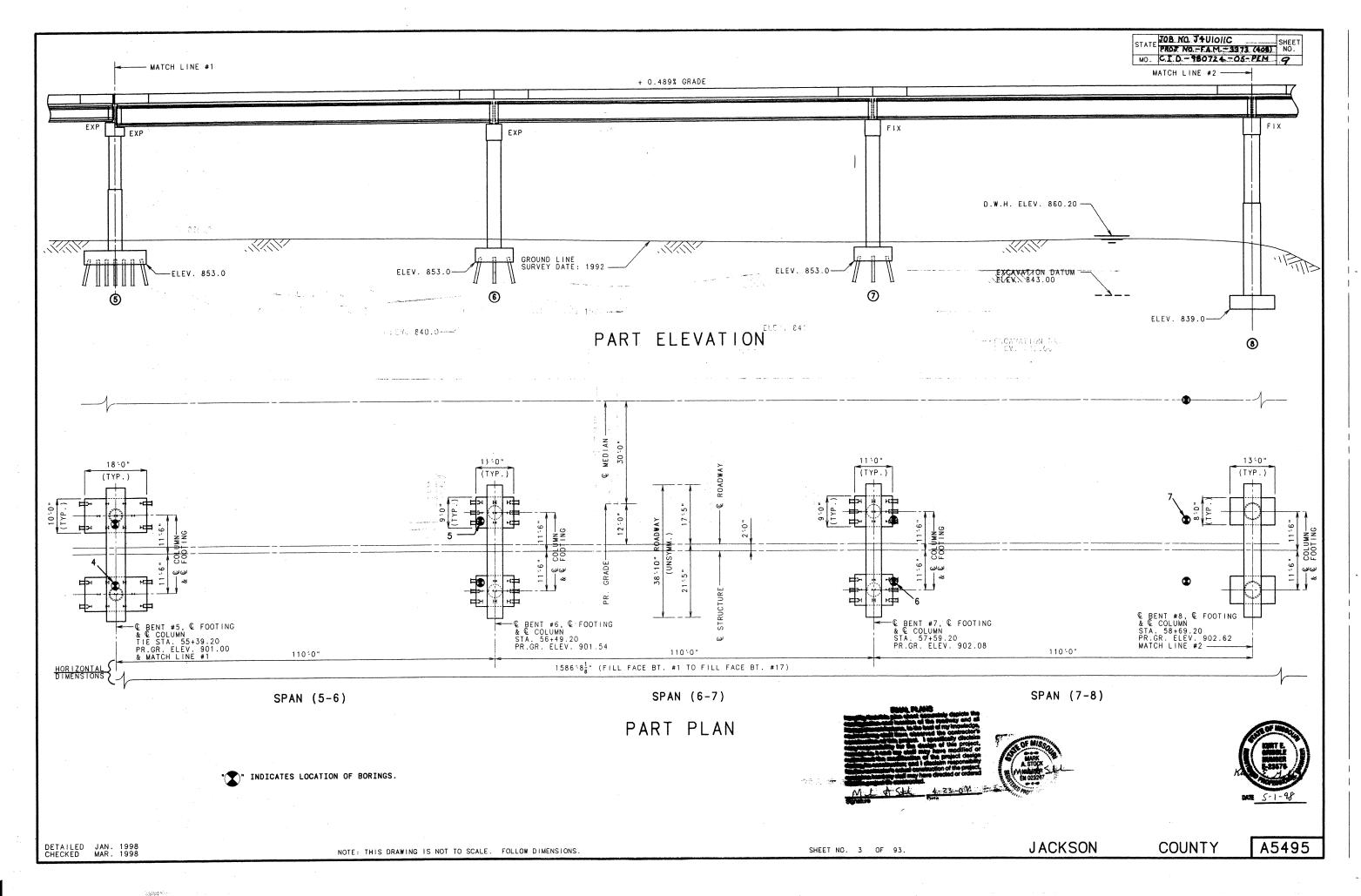
DESIGNED JULY 1996 DETAILED JAN. 1998 CHECKED MAR. 1998

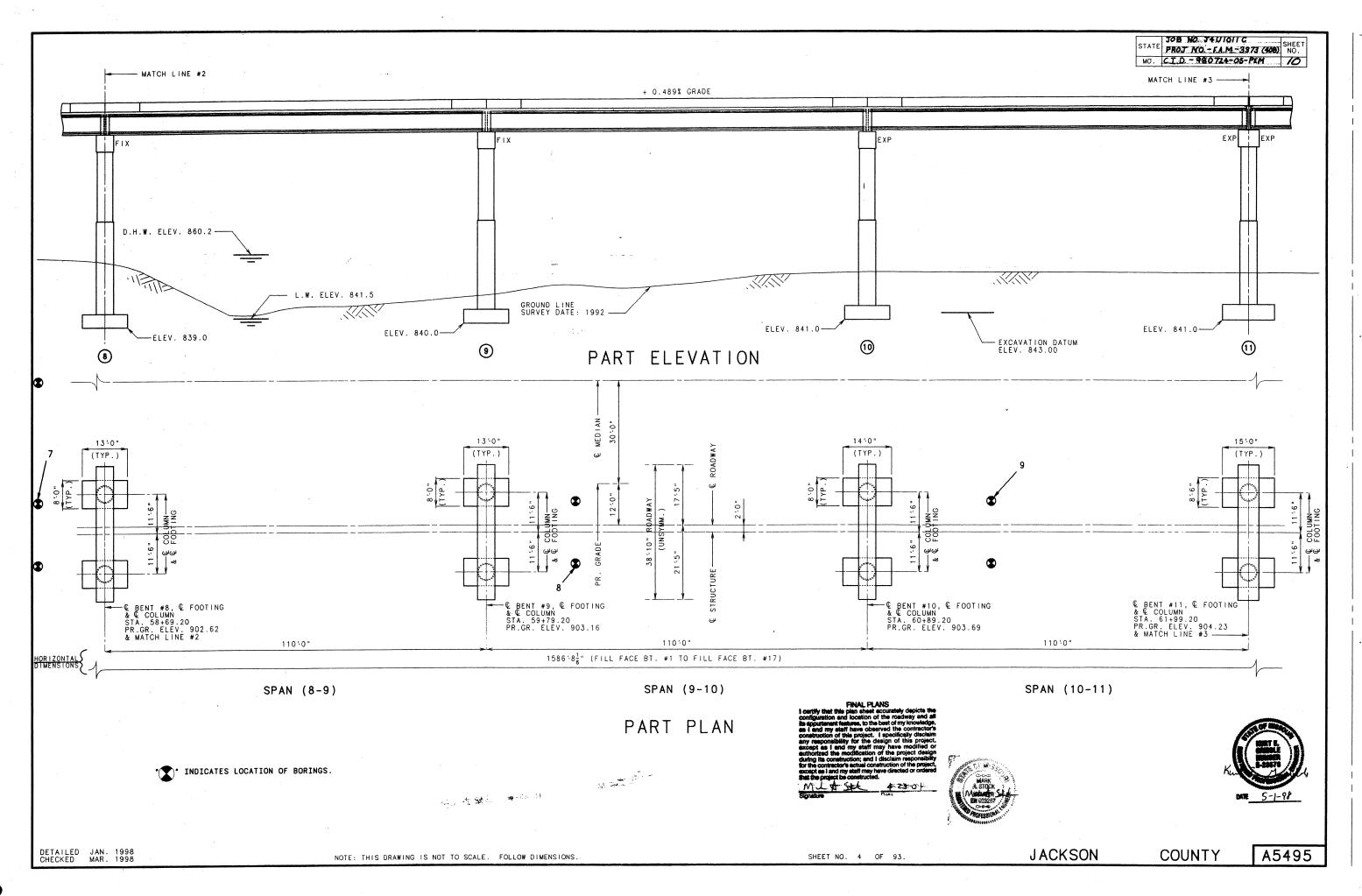
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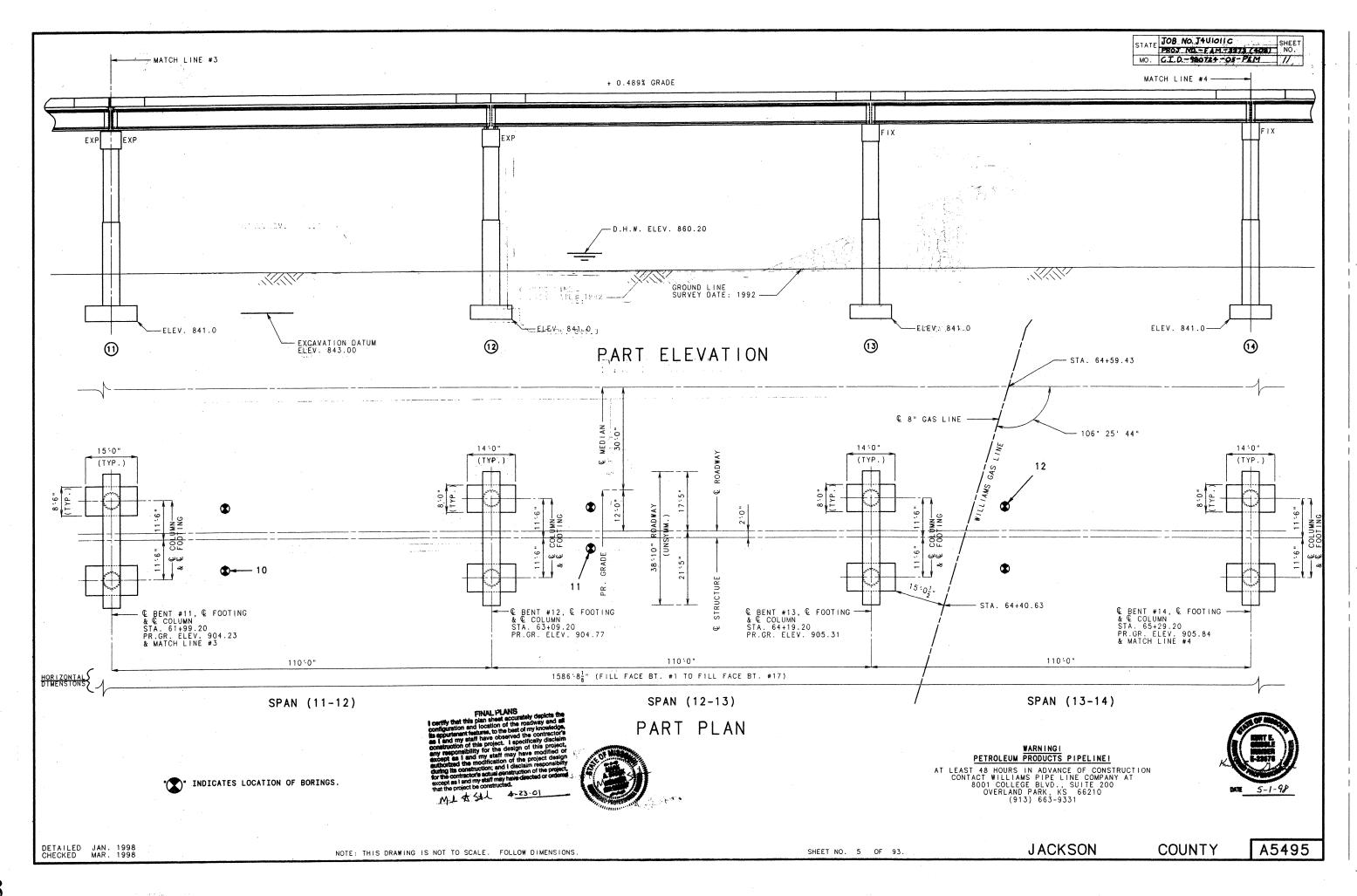
SHEET NO. 1 OF 93.

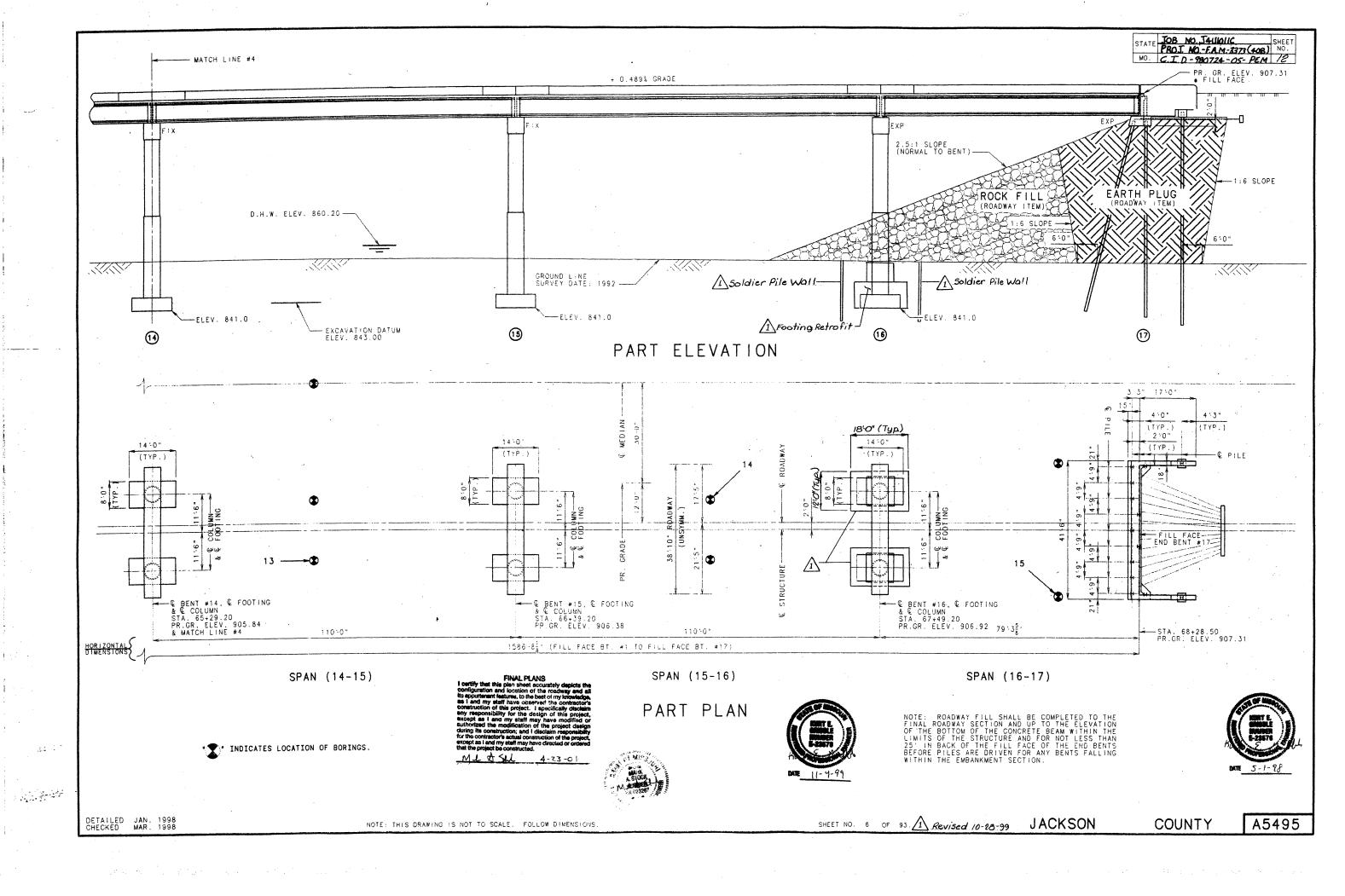
DATE 5/14/98











GENERAL NOTES:

DESIGN SPECIFICATIONS:

AASHTO-1996
LOAD FACTOR DESIGN
SEISMIC PERFORMANCE CATEGORY A

DESIGN LOADING:

HS20 MODIFIED

35#/SQ. FT. FUTURE WEARING SURFACE

MILITARY 24,000* TANDEM AXLE

EARTH 120*/CU. FT., EQUIVALENT FLUID PRESSURE Bent No. 1 =

61.9*/CU. FT. Bent No. 17 = 45*/CU. FT.

SUPERSTRUCTURE: SIMPLY-SUPPORTED, NON-COMPOSITE FOR DEAD LOAD.

CONTINUOUS COMPOSITE FOR LIVE LOAD.

DESIGN UNIT STRESSES:

CLASS B CONCRETE (SUBSTRUCTURE) F'C=3,000 PSI.

CLASS B1 CONCRETE (SAFETY BARRIER CURB) F'C=4,000 PSI.

CLASS B2 CONCRETE (SUPERSTRUCTURE, EXCEPT PRESTRESSED GIRDERS AND

SAFETY BARRIER CURB) F'C=4,000 PSI.

REINFORCING STEEL (GRADE 60) FY=60,000 PSI.

STEEL PILE (ASTM A709 GRADE 36)FB = 9000 PSI.

FY = 36000 PSI

FOR PRESTRESSED GIRDER STRESSES, SEE SHEETS NO. 49 THRU 58. FOR PRECAST PRESTRESSED PANEL STRESSES, SEE SHEET NO. 70.

REINFORCING STEEL:

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1-1/2", UNLESS
OTHERWISE SHOWN.

ALL REINFORCING BARS IN TOPS OF SUBSTRUCTURE BEAMS OR CAPS SHALL
BE SPACED TO CLEAR ANCHOR BOLT WELLS FOR BEARINGS BY AT LEAST 1/2".

JOINT FILLER:

ALL JOINT FILLER SHALL MEET THE REQUIREMENTS OF STD. SPEC. 1057.2.4, EXCEPT AS NOTED.

NEOPRENE BEARINGS:
BEARINGS SHALL BE 60 DUROMETER NEOPRENE PADS.
THE NEOPRENE PAD SHALL BE BONDED TO THE BEARING SEAT WITH AN EPOXY
ADHESIVE AS APPROVED BY THE BEARING MANUFACTURER FOR BONDING NEOPRENE

MISCELLANEOUS:

LANEUUS:
A MINIMUM VERTICAL CLEARANCE OF 21.6" FROM TOP OF RAILS AND A MINIMUM LATERAL CLEARANCE OF 15.0" FROM THE CENTERLINE OF TRACK TO NEAREST TEMPORARY CONSTRUCTION FALSEWORK SHALL BE MAINTAINED DURING CONSTRUCTION.

HIGH STRENGTH BOLTS, NUTS AND WASHERS WILL BE SAMPLED FOR QUALITY ASSURANCE AS SPECIFIED IN STANDARD SPECIFICATION 106 AND FIELD SECTION (FS-712) FROM MATERIALS MANUAL.

- ITEM		SUBSTR.	SUPERSTR.	TOTAL
CLASS 1 EXCAVATION	CU. YD.	2001.5		2088
CLASS 2 EXCAVATION	CU. YD.	270.5		270.5
*COFFERDAMS (BENT 8)	LUMP SUM	1		71
*COFFERDAMS (BENT 9)	LUMP SUM	1		1
BRIDGE APPROACH SLAB (BRIDGE)	SQ. YD.		219	219
STRUCTURAL STEEL PILES (10")	LIN. FT.	2162	•	2162
STRUCTURAL STEEL PILES (12")	LIN. FT.	494	<u> </u>	1494
*PRE-BORE FOR PILING	LIN. FT.	770		770
*CLASS B CONCRETE (SUBSTR.)	CU. YD.	(180780)		1807.00
DEADMAN ANCHORAGE ASSEMBLY	EACH	. 2		~2
PROTECTIVE COATING-CONCRETE BENTS (DELETERIOUS AGENTS)	LUMP SUM			1
SLAB ON CONCRETE 1-GIRDER	SQ. YD.		1368	1368
SAFETY BARRIER CURB	LIN. FT.		3240	3240
SLAB ON CONCRETE BULB-TEE GIRDER	SQ. YD.		5931	>5931
PLAIN NEOPRENE BEARING PAD	EACH		5	~ 5
LAMINATED NEOPRENE BEARING PADS	EACH		90	~90
LAMINATED NEOPRENE BEARING PAD (R/S STRUCTURE)	EACH		45	45
TYPE N PTFE BEARINGS	EACH		20	20
PRESTRESSED CONCRETE '-GIRDER (65:0")	EACH		5	> 5
PRESTRESSED CONCRETE 1-GIRDER (71-0")	EACH		10	10
PRESTRESSED CONCRETE 1-GIRDER (9010")	EACH		5	15
PRESTRESSED CONCRETE BULB-TEE GIRDER (78:0")	EACH		5	15
PRESTRESSED CONCRETE BULB-TEE GIRDER (110-01)	EACH		.55	55
REINFORCING STEEL (BRIDGES)	L8.	(252,330)		252,330
REINFORCING STEEL (EPOXY COATED)	LB.	24,780		24.780
EXPANSION DEVICE (FINGER PLATE)	LIN. FT.		78	→ 78
EXPANSION DEVICE (FLAT PLATE)	LIN. FT.		39	39
SLAB DRAIN	EACH	*	244	244
VERTICAL DRAIN AT END BENTS	EACH			2
SPLASH PROTECTION SHIELD	LUMP SUM	. 0		10
CONTINGENT ITEM	UNIT			
REPAIR FOOTING AT BENT THE FORGE ACCOUNT	F.A	192,247,54		192247.54
CLASS - 2+50 % EXCAVATION	CU. YD.	47.0		47.0
PRE-BORE FOR PILING FOUNDATION TEST HOLES	L <u>s</u>	1		1
MISG. STRUCTURAL STEEL	L.F.	144		194

SHEET NO. PROJ. NO. MO. JOB. NO. JAUIOTIC 13 CI D - 980724 -05-PEM

FINAL QUANTITIES FOR SLAB ON CONCRETE I-GIRDER									
ITEM	TOTAL								
REINFORCING STEEL (PLAIN) LBS.	5090								
REINFORCING STEEL (EPOXY COATED) LBS.	97,510								
CONCRETE CU. YDS.	335.0								

FOR SLAB ON CONCRETE BULB-TEE GIRDER

ITEM		TOTAL
REINFORCING STEEL (PLAIN)	LBS.	11,760
REINFORCING STEEL (EPOXY COATED)	LBS.	405,470
CONCRETE:	CU. YDS.	1467.2

NOTE: THE TABLE OF ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-GIRDER AND SLAB ON BULB-TEE GIRDER REPRESENTS THE QUANTITIES USED BY THE STATE IN PREPARING THE COST ESTIMATE FOR CONCRETE SLABS. FARIATIONS MAY BE ENCOUNTERED IN THESE ESTIMATED QUANTITIES BUT THESE VARIATIONS CANNOT BE USED FOR AN ADJUSTMENT IN THE CONTRACT UNIT PRICE PER SQUARE YARD OF SLAB ON CONCRETE I-GIRDER AND SLAB ON CONCRETE BULB-TEE GIRDER.

THE PRESTRESSED PANEL QUANTITIES ARE NOT INCLUDED IN THE TABLE OF ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-GIRDER OR SLAB ON CONCRETE BULB-TEE GIRDER.

PILE & FOOTING DATA

LINE 5207

ŀ	BENT NO.	1 (WING)	1 (BEAM)	`2	∖3	4	\ 5	6	7	8	9
BEARING PILE	PILE TYPE AND SIZE	→ HP10x42	HP10x42	HP10x42	HP10×42	HF10x42	HP10x42	HF12x53	HP12x53	-	
	NUMBER	~ 2	7	18	18	18	22	18	18	-	-
	APPROXIMATE LENGTH FT.	`46	46	15	~ 11	12	14	14	14	-	-
' '	DESIGN BEARING TONS	29	55	50	56	52	52	70	70	-	
 	HAMMER ENERGY REQUIRED FTLBS.	7000	12300	11800	13200	12200	12200	15800	15800	. ~	~
SPREAD FOOTINGS	FOUNDATION MATERIAL	-		-	-	-	-	-	-	ROCK	ROCK
	DESIGN BEARING TONS/SQ. FT.	_		-	-	-	-	-	-	8.0	7.6
	BENT NO.	10	11	12	13	14	15	16	17 (BEAM)	17 (WING)	

	BENT NO.	10	11	12	13	14	15	16	17 (BEAM)	17 (WING)
	PILE TYPE AND SIZE	-	-	-		-	-	-	HP10x42	HP10x42
BEARING PILE	NUMBER	_	-	-	-	-	-	-	111	2
	APPROXIMATE LENGTH FT.	-	-		-	-	-	-	59	59
	DESIGN BEARING TONS	-		-	-	-	-	-	52	24 .
	HAMMER ENERGY REQUIRED FTLBS.	-	-	-	-	-	-	-	13000	8200
SPREAD FOOTINGS	FOUNDATION MATERIAL	ROCK	-	- Ē/						
	DESIGN BEARING TONS/SQ. FT.	7.5	8.0	7.5	7.4	7.6	7.6	7.9	-	-

NOTE: MINIMUM ENERGY REQUIREMENT OF HAMMER IS BASED ON PLAN LENGTH AND DESIGN BEARING VALUE OF PILES.

ALL PILES SHALL BE DRIVEN TO PRACTICAL REFUSAL.

PREBORE FOR PILES AT BENTS 1 AND 17 TO ELEVATIONS 867.0 AND 855.0, RESPECT VELY.

CONT. 5204- PREBORE FOR PILES AT BENT 3 TO ELEV. 843.0 PER L.S.

DETAILED JAN. 1998 CHECKED MAR. 1998

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.



ALL CONCRETE ABOVE THE CONSTRUCTION JOINT IN END BENT NO. 1 IS INCLUDED IN THE ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-GIRDER.

ALL REINFORCEMENT IN END BENT NO. 1 IS INCLUDED IN THE ESTIMATED QUANTITIES FOR SLAB ON CONCRETE !-GIRDER.

THE COST OF FURNISHING, FABRICATING AND INSTALLING NEOPRENE BEARING PADS. COMPLETE-IN-PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR PLAIN AND LAMINATED NEOPRENE BEARING PADS, PER EACH.

** SAFETY BARRIER CURB SHALL BÉ CAST-IN-PLACE OPTION OR SLIP-FORM OPTION.

CONCRETE ABOVE THE UPPER CONSTRUCTION JOINT IN BACKWALL AT END BENT NO. 17 IS INCLUDED WITH CLASS B2 CONCRETE SLAB ON CONCRETE BULB-TEE GIRDER QUANTITIES.

ALL REINFORCEMENT IN THE INTERMEDIATE BENT CONCRETE DIAPHRAGMS EXCEPT REINFORCEMENT EMBEDDED IN THE BEAM CAP IS INCLUDED IN THE ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-GIRDER.

ALL CONCRETE ABOVE THE INTERMEDIATE BENT CAP IS INCLUDED IN THE ESTIMATED QUANTITIES FOR SLAB ON CONCRETE 1-GIRDER.

HYDROLOGIC DATA

DRAINAGE AREA = 89 SQUARE MILES DESIGN HIGH WATER ELEV. = 860.2 (100 YEARS) DESIGN DISCHARGE = 23,000 c.f.s.(100 YEARS). ESTIMATED BACKWATER = 0.2 FT.

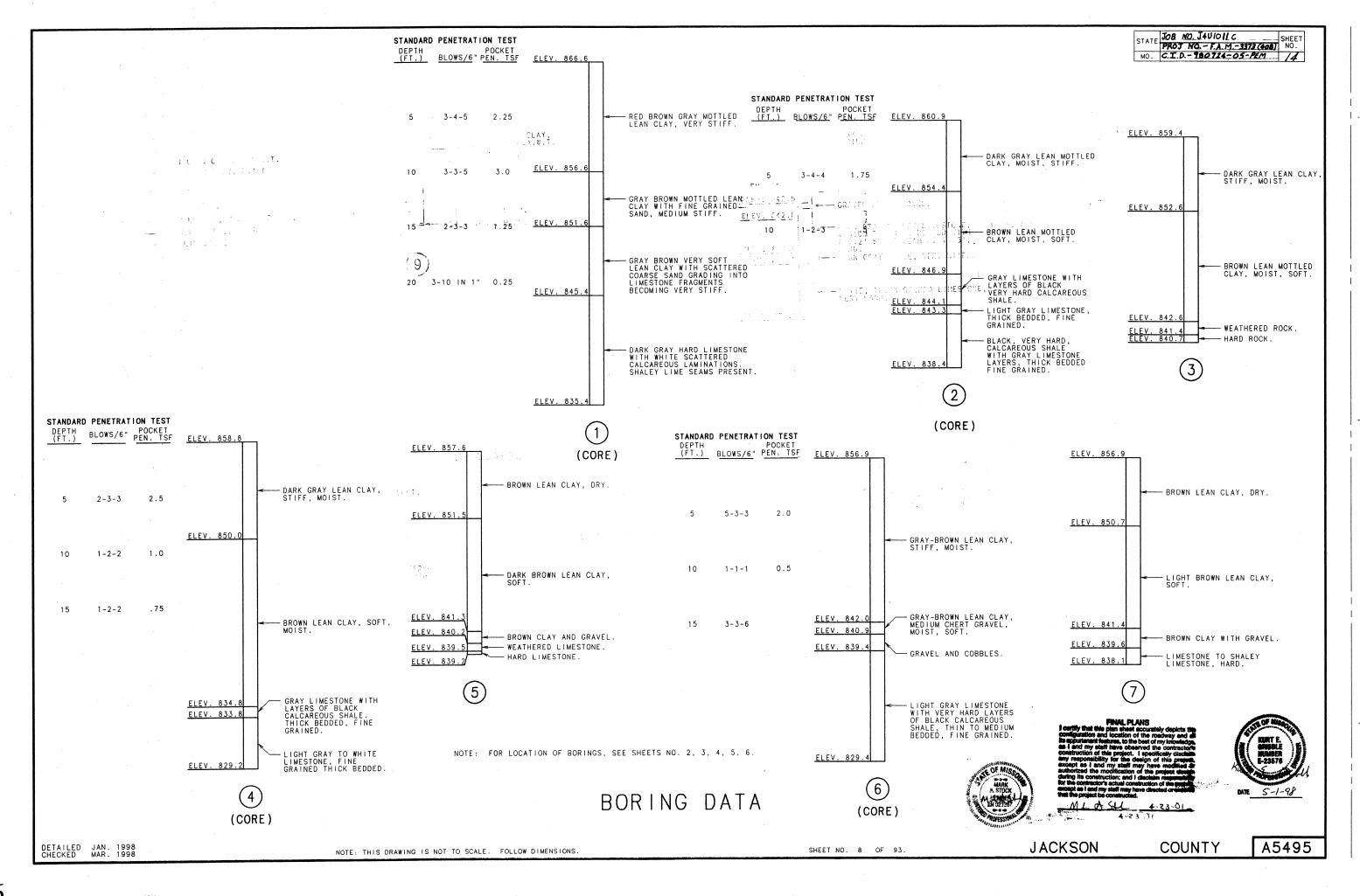
4. 海流水 中國 医鼻条丛 医鼻

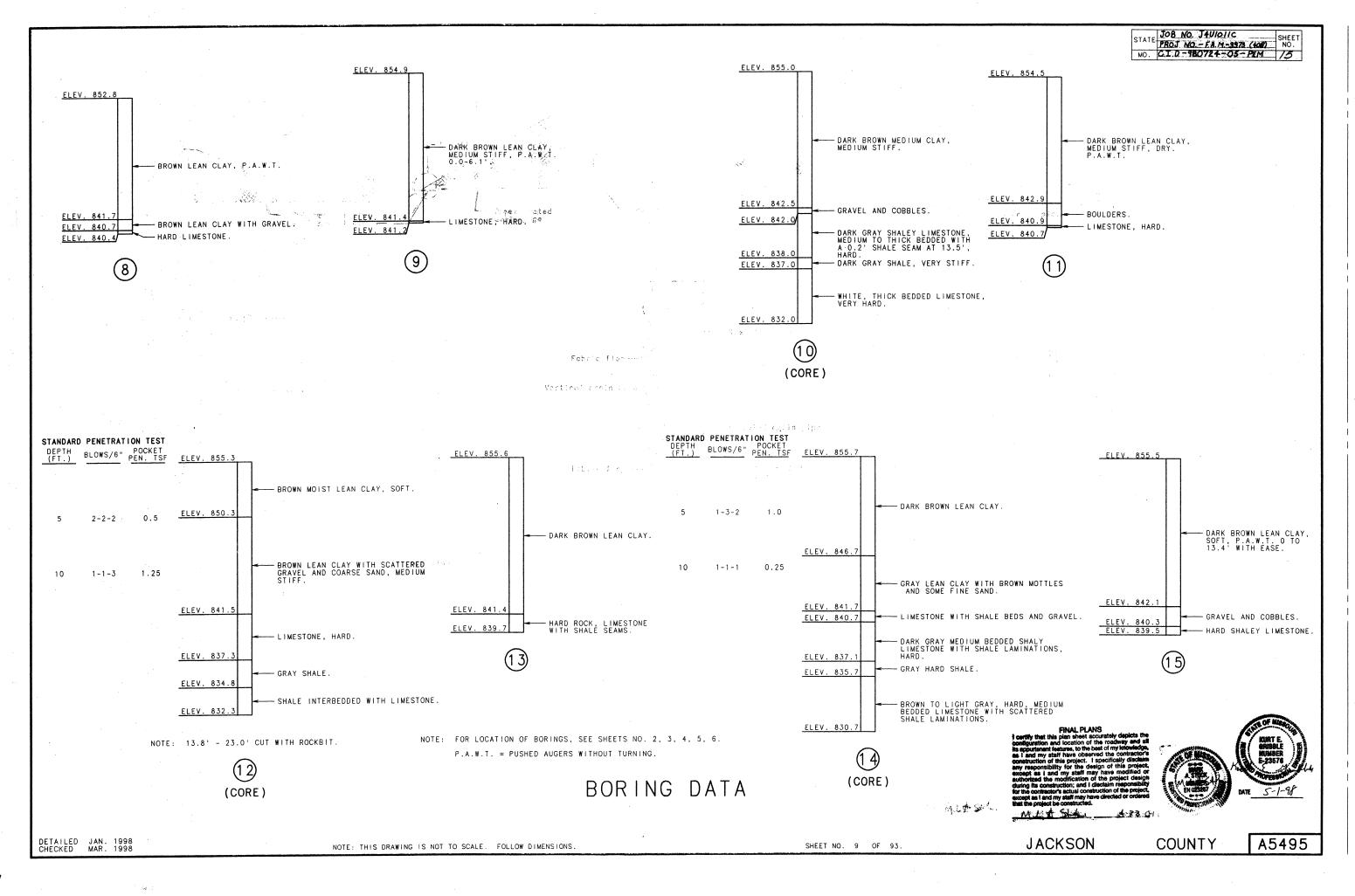


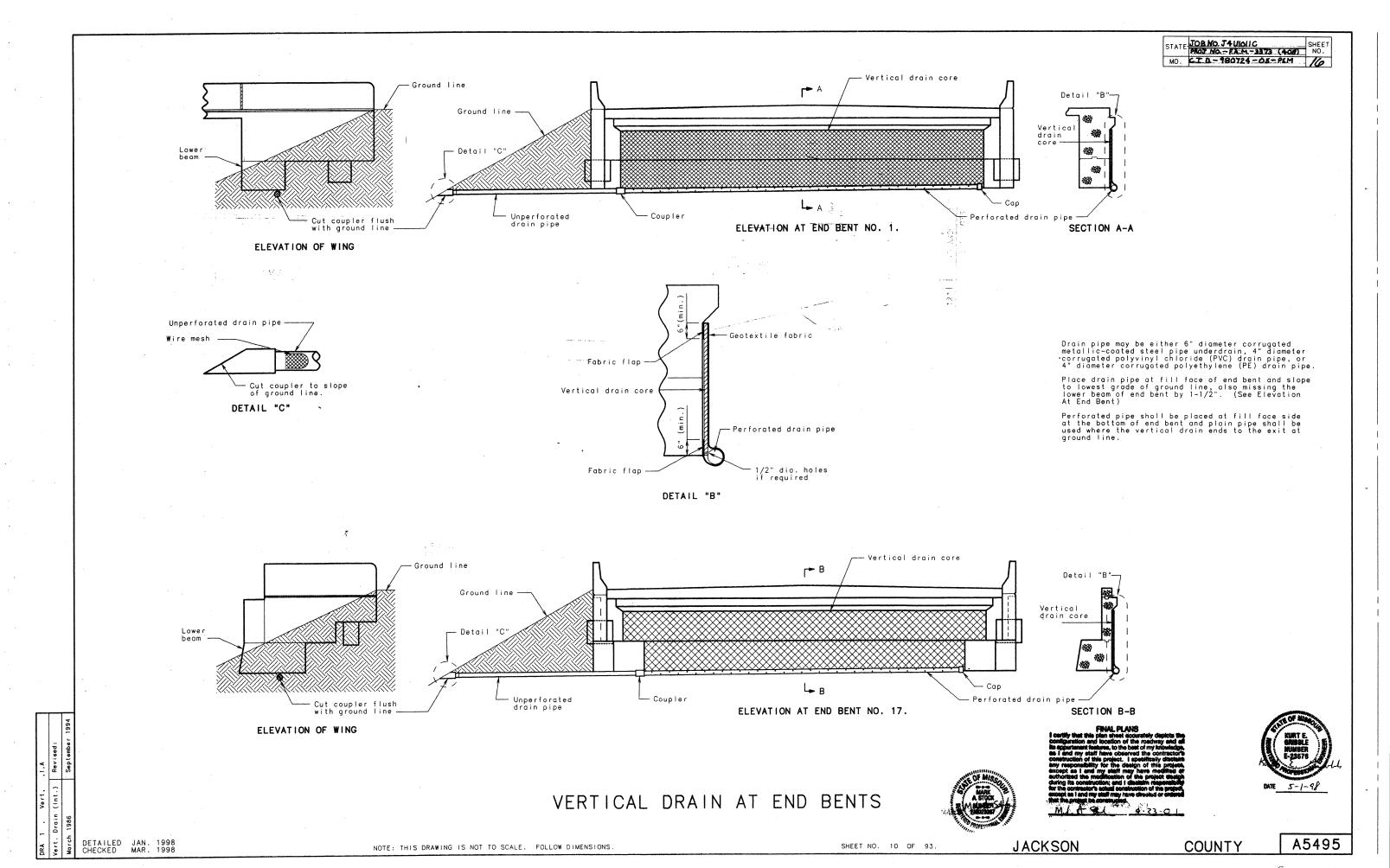
SHEET NO. 7 OF 93. 1 Revised 10-28-99

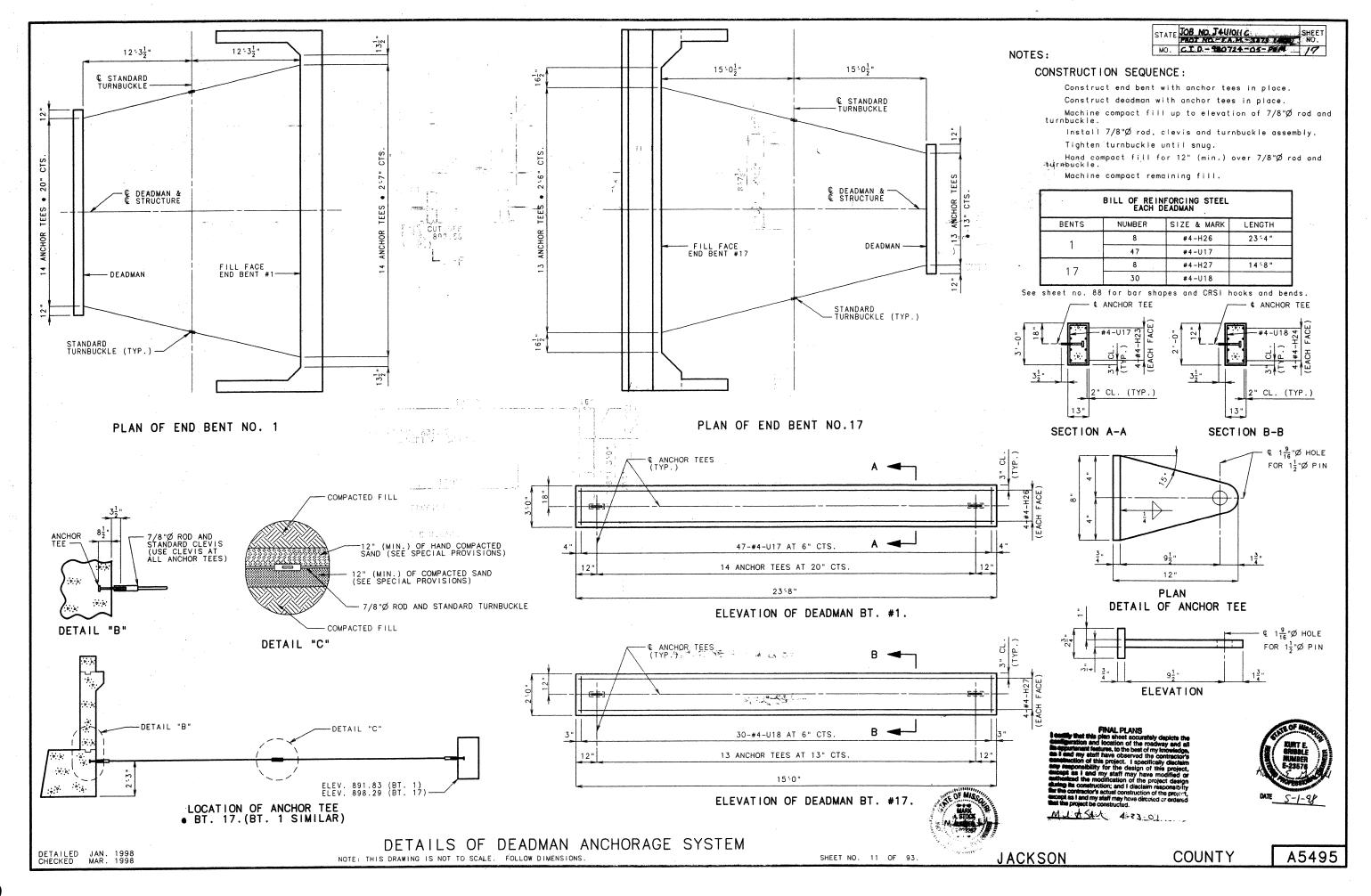
COUNTY

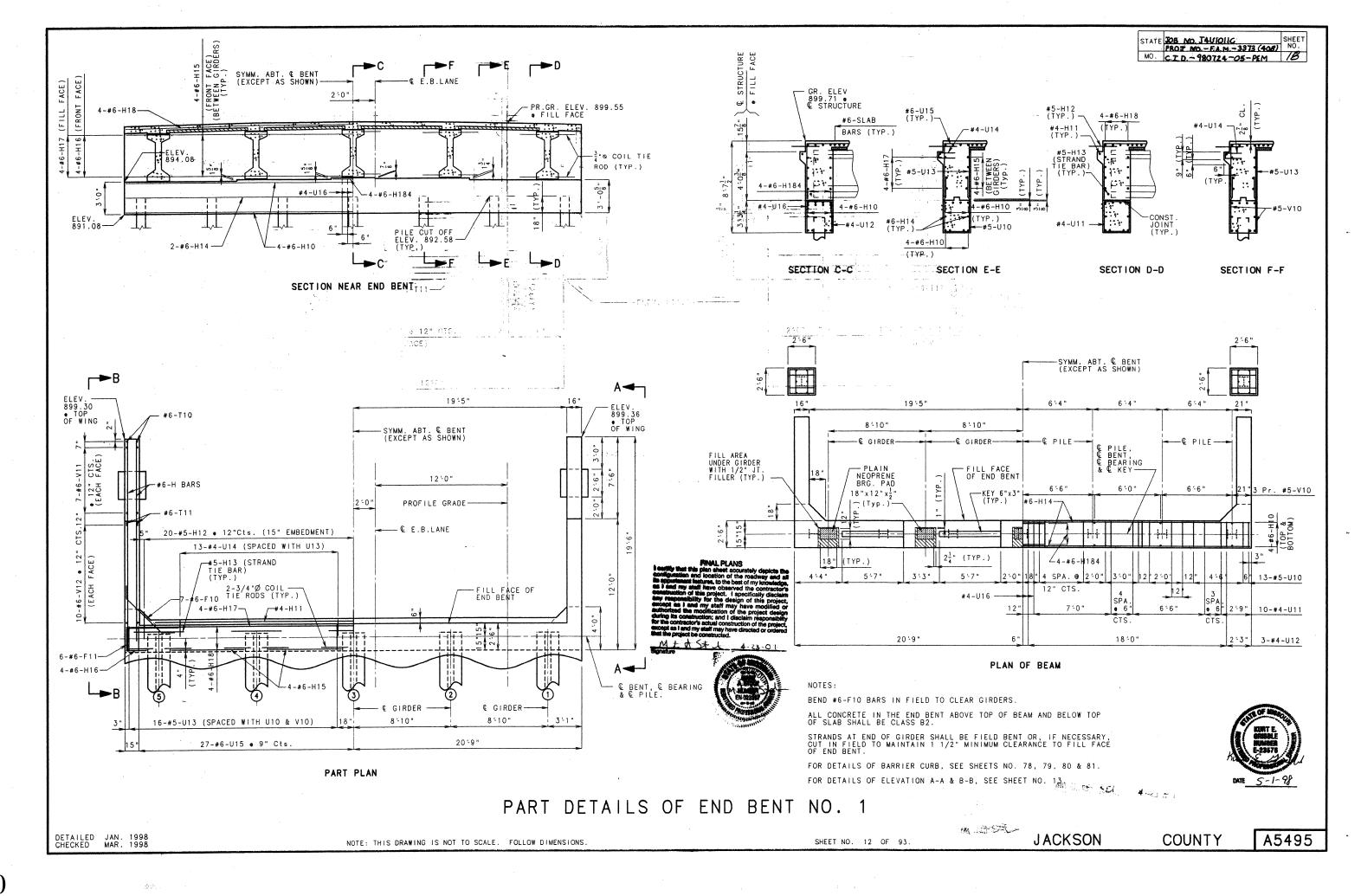
A5495

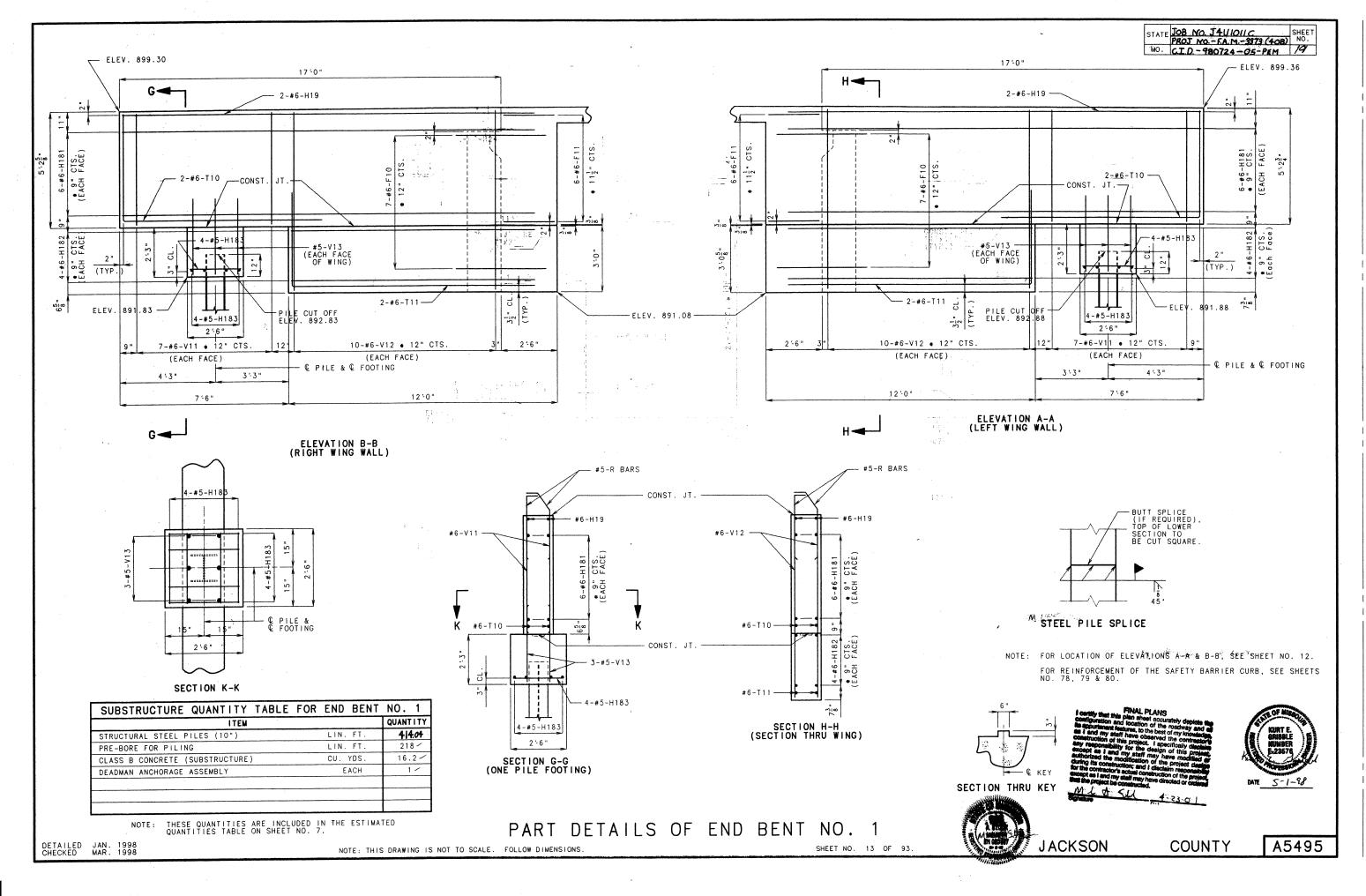


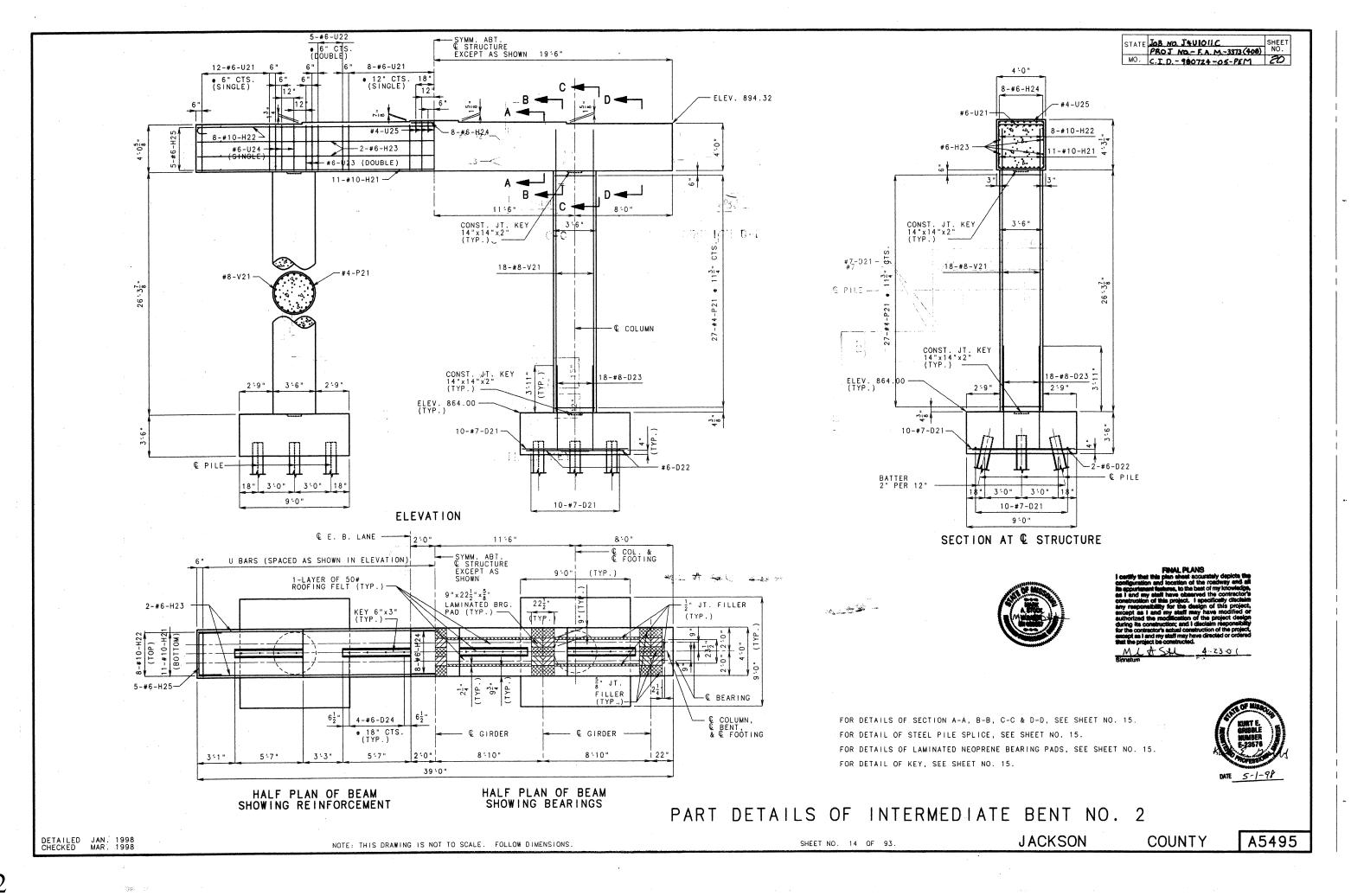


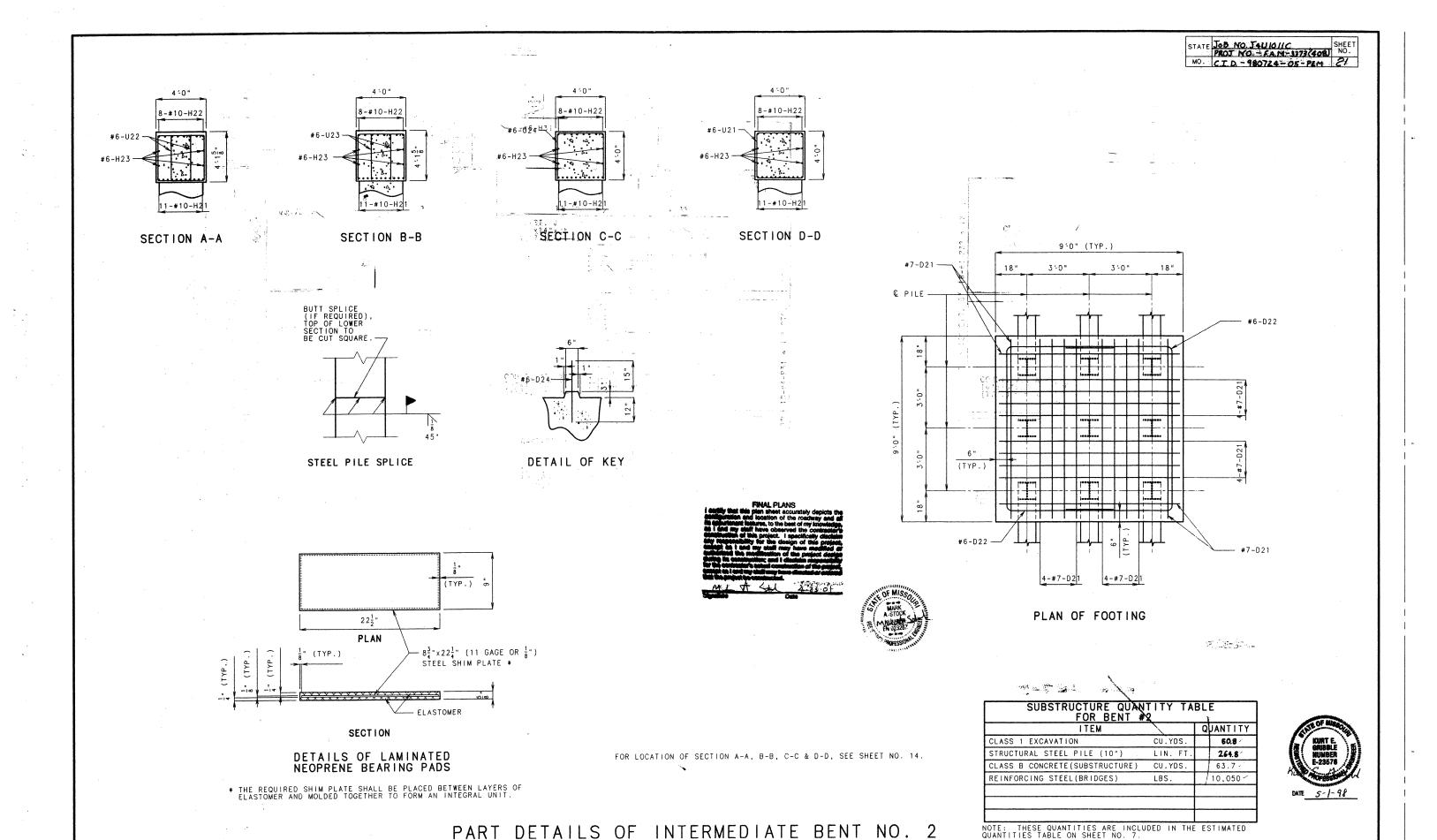












NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

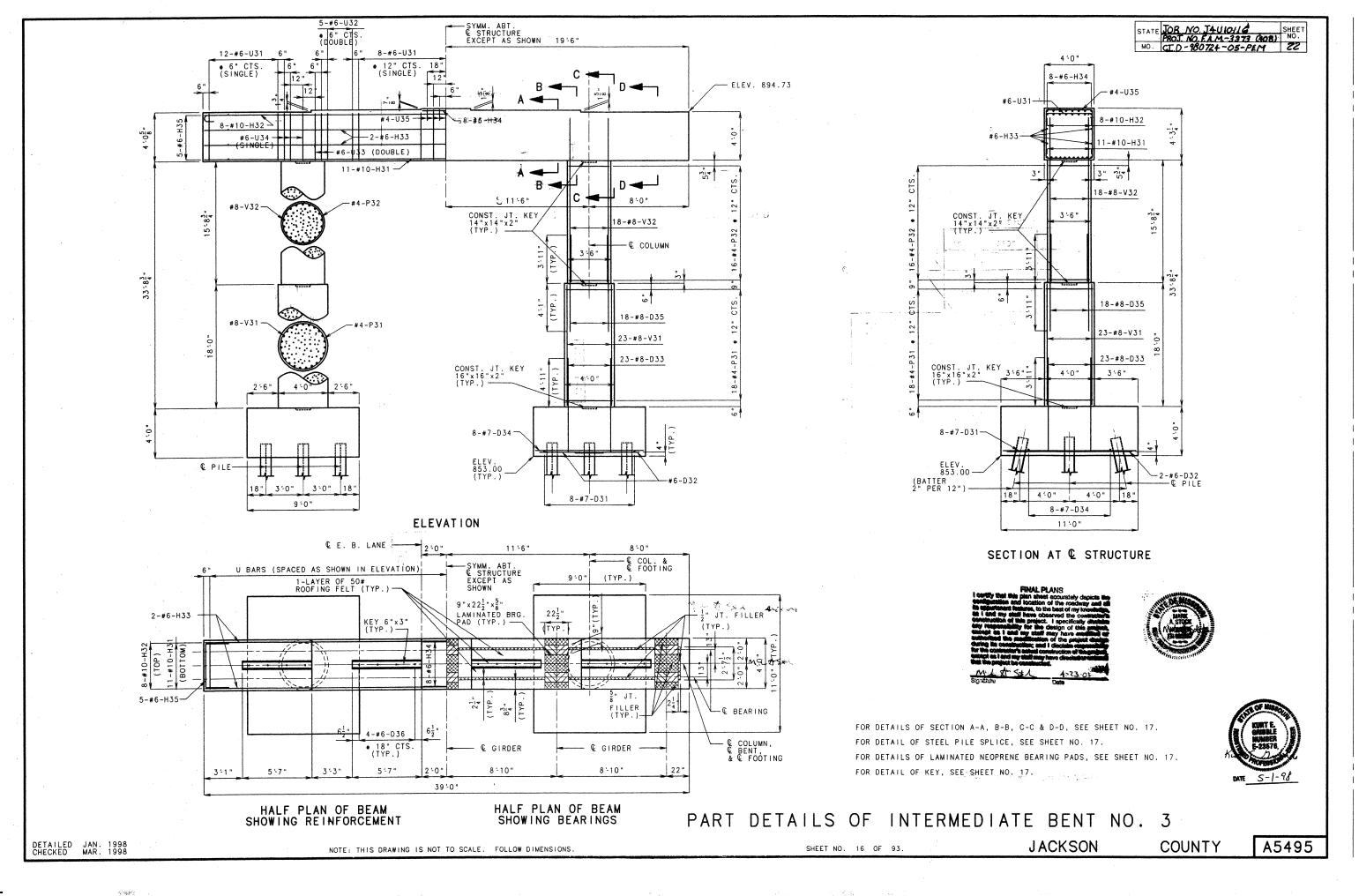
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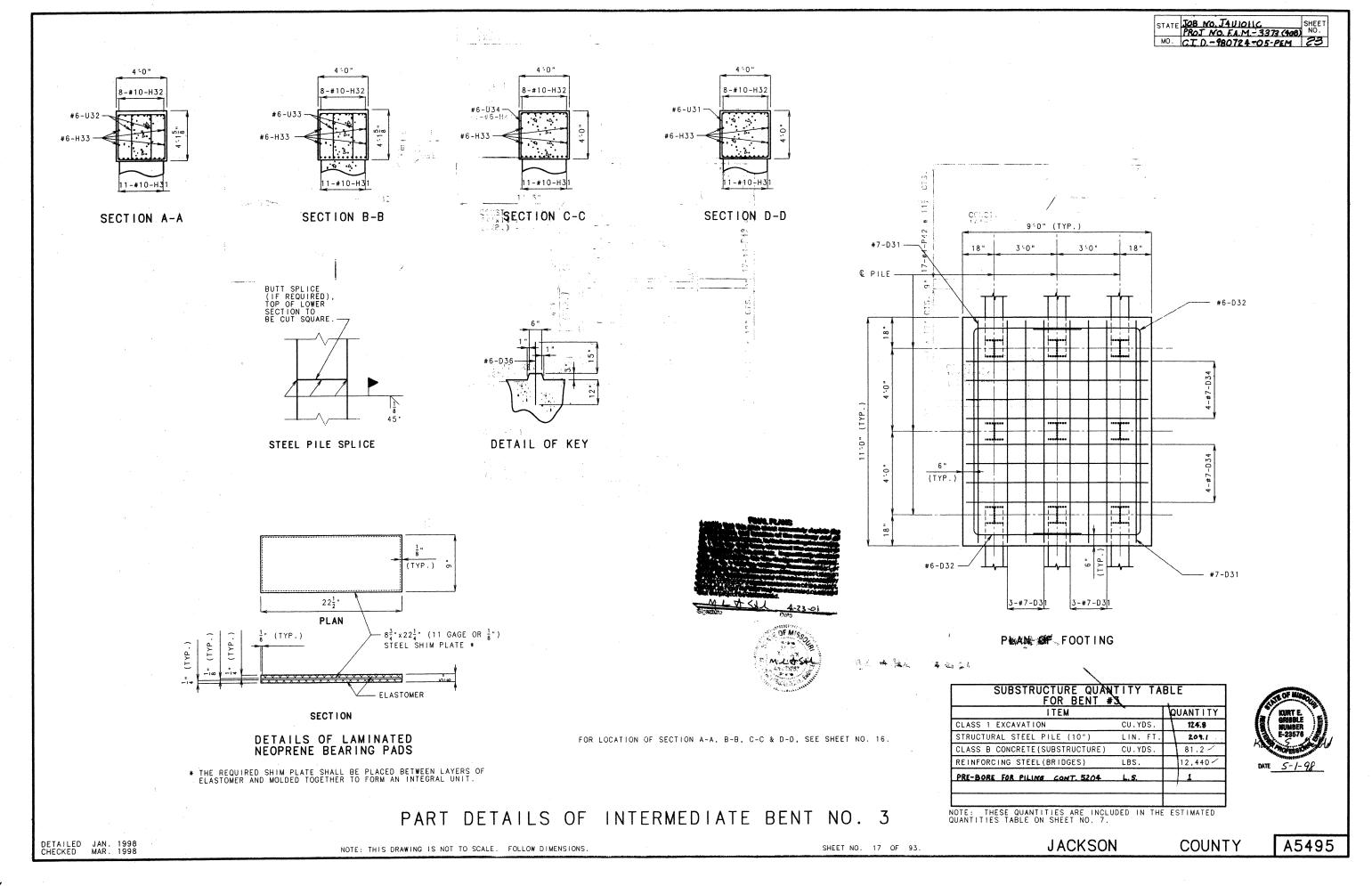
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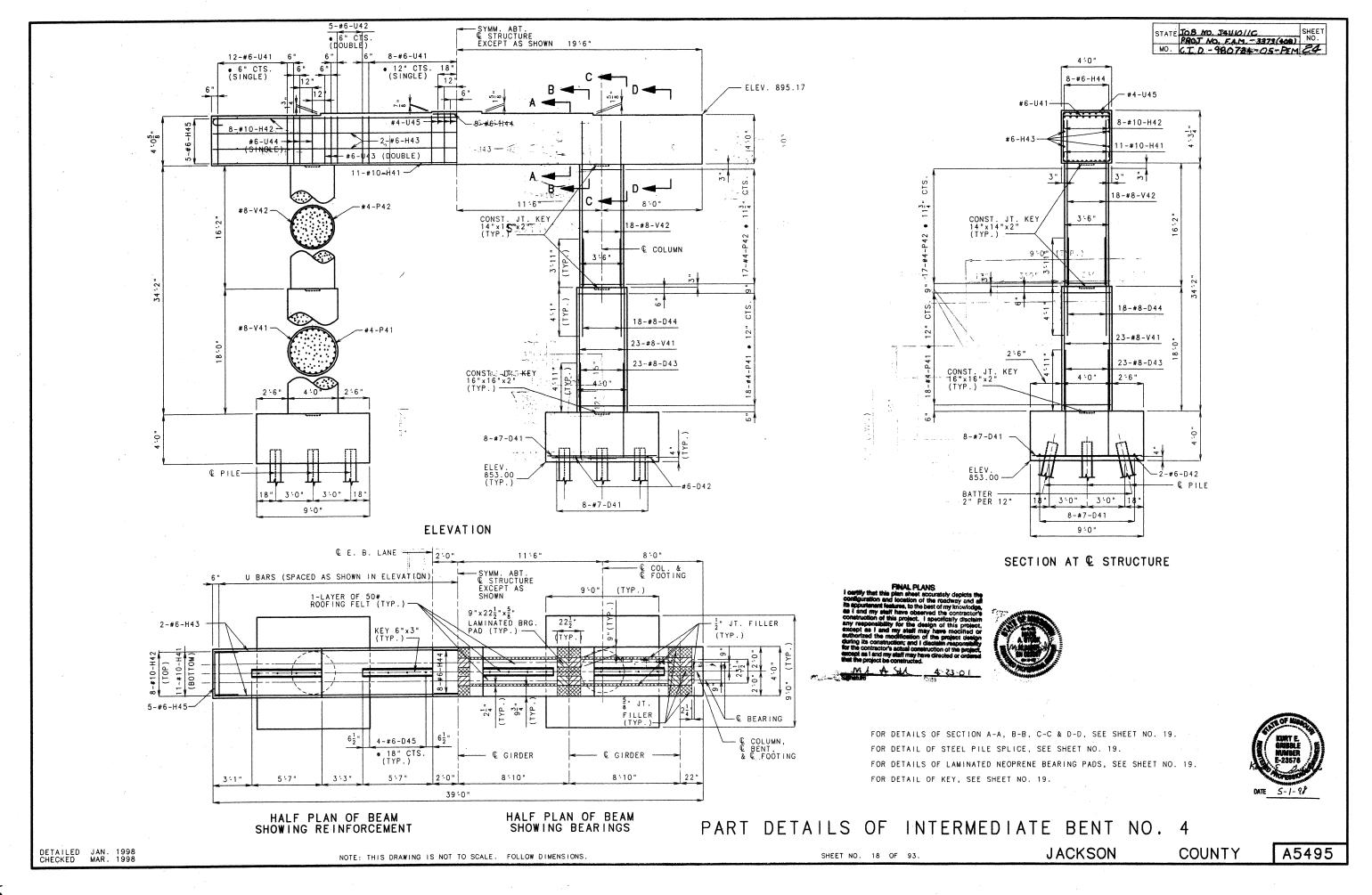
JACKSON

SHEET NO. 15 OF 93.

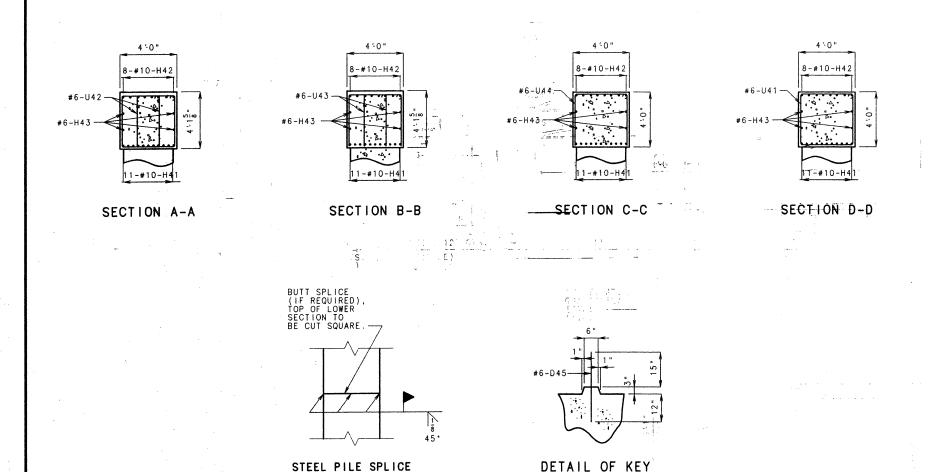
DETAILED JAN. 1998 CHECKED MAR. 1998

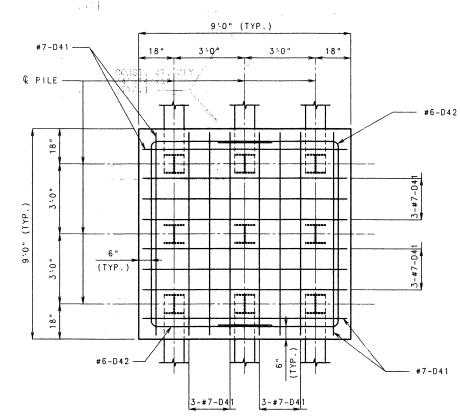


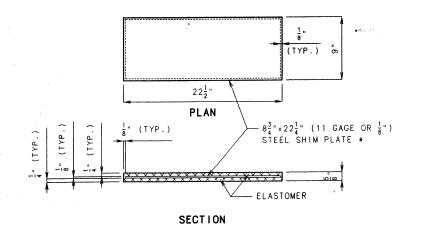




STATE | TOB NO. JAVIOIIC | SHEET | NO. | PROJ NO. FAM: -3373 (408) | NO. | NO. | C.I.D. -180724-05-PEM | 25







FINAL PLANS

I castly that the plan sheet accurately depicts the configuration are plan to action of the roadway and a line apparent features, to the best of my knowledge as I mad say staff have observed the contractor constancing of the project. I specifically disclaim any responsibility for the design of this project except as I and my staff may have modified or authorized the smodification of the project design the construction; and I disclaim responsibility for the contractor's actual construction of the project, cause as I and my staff may have directed or ordered dust the supplex ties constructed.

PLAN OF FOOTING

DETAILS OF LAMINATED NEOPRENE BEARING PADS

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 18.

* THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOMER AND MOLDED TOGETHER TO FORM AN INTEGRAL UNIT.

CLASS 1 EXCAVATION	CU.YDS.	100.9
STRUCTURAL STEEL PILE (10")	LIN. FT.	211.2
CLASS B CONCRETE (SUBSTRUCTURE)	CU.YDS.	76.2 -
REINFORCING STEEL (BRIDGES)	LBS.	12,420
		T

CATE S-1-98

PART DETAILS OF INTERMEDIATE BENT NO. 4

DETAILED JAN. 1998 CHECKED MAR. 1998

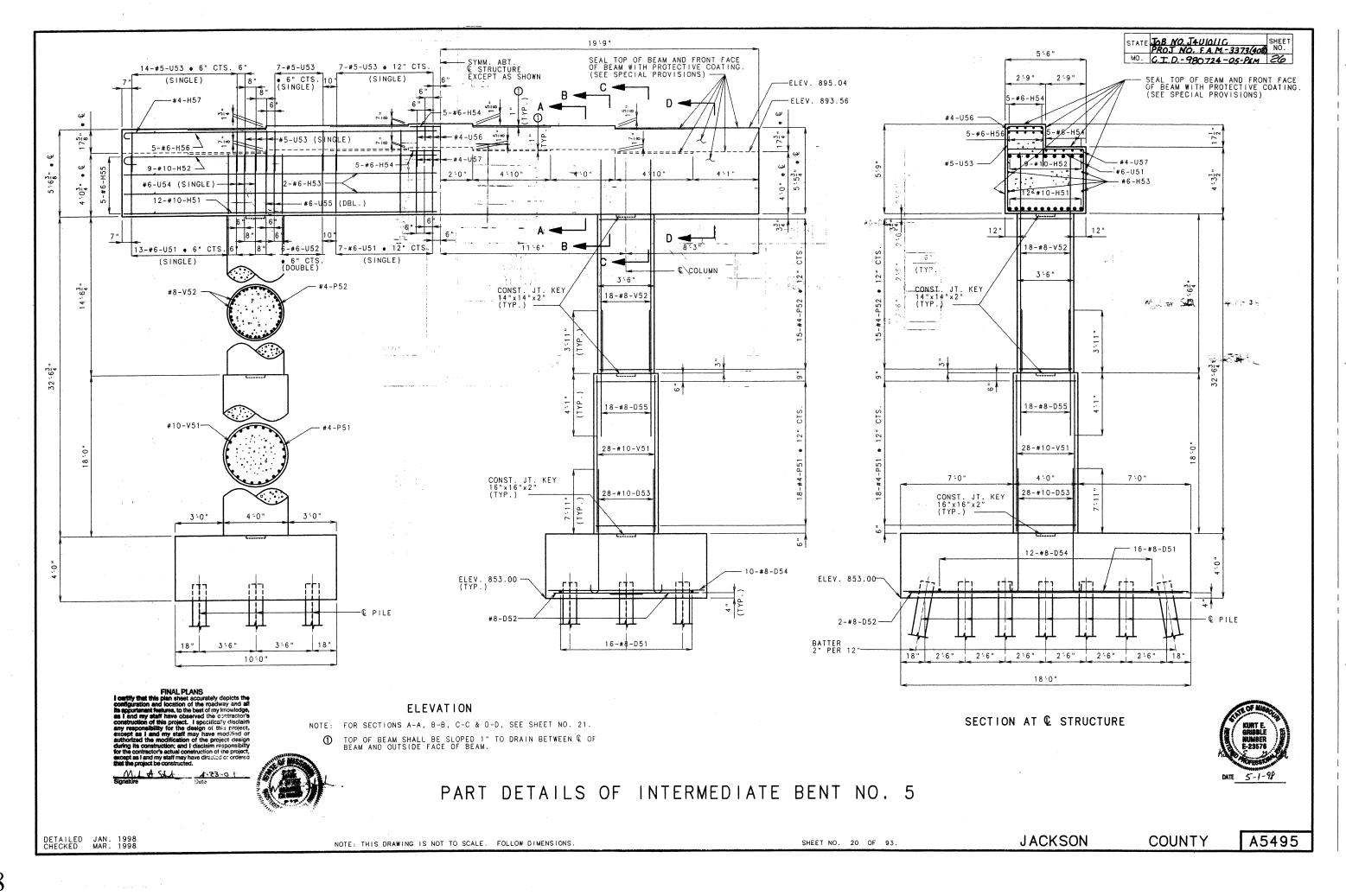
NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

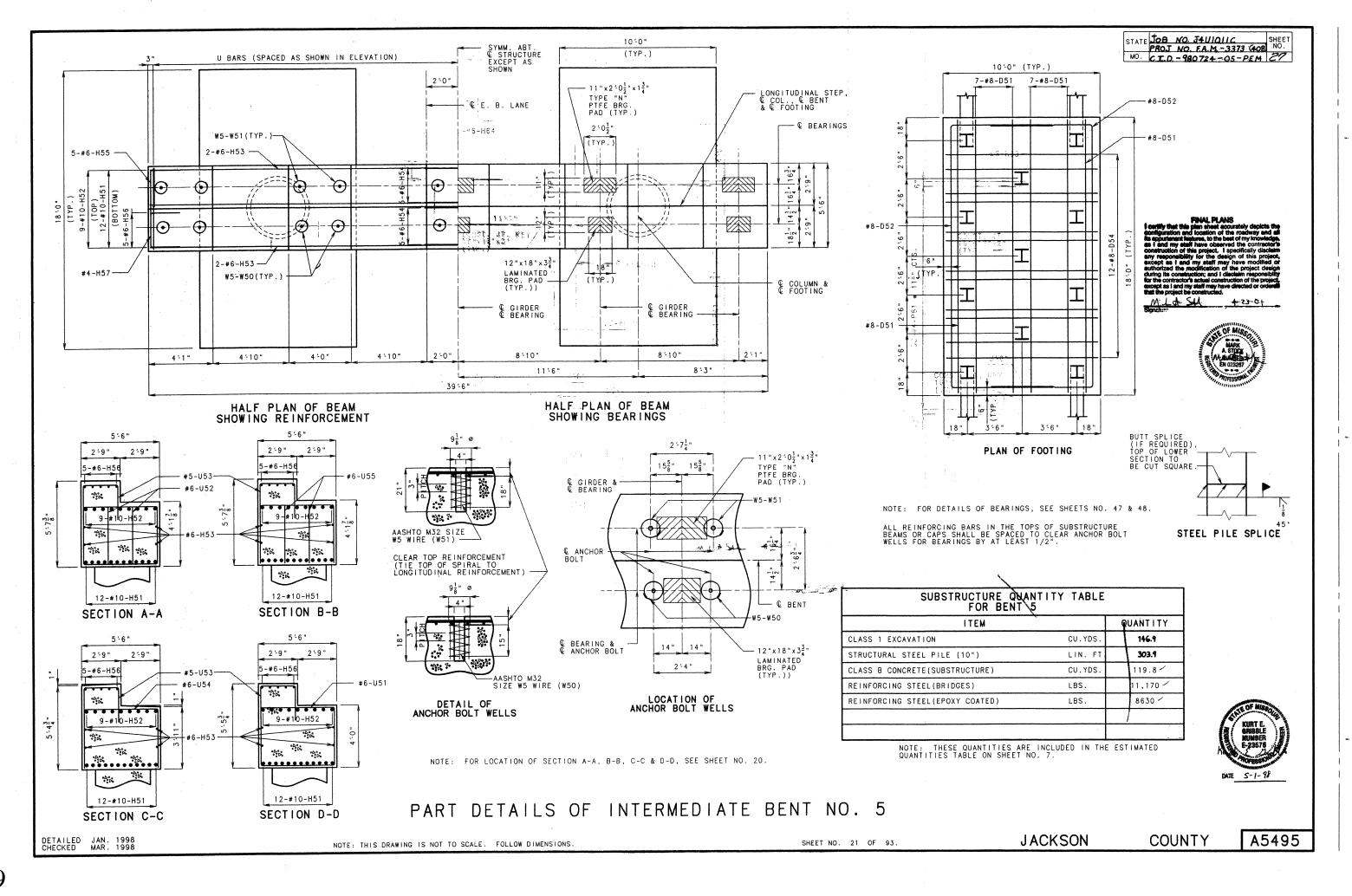
SHEET NO. 19 OF 93.

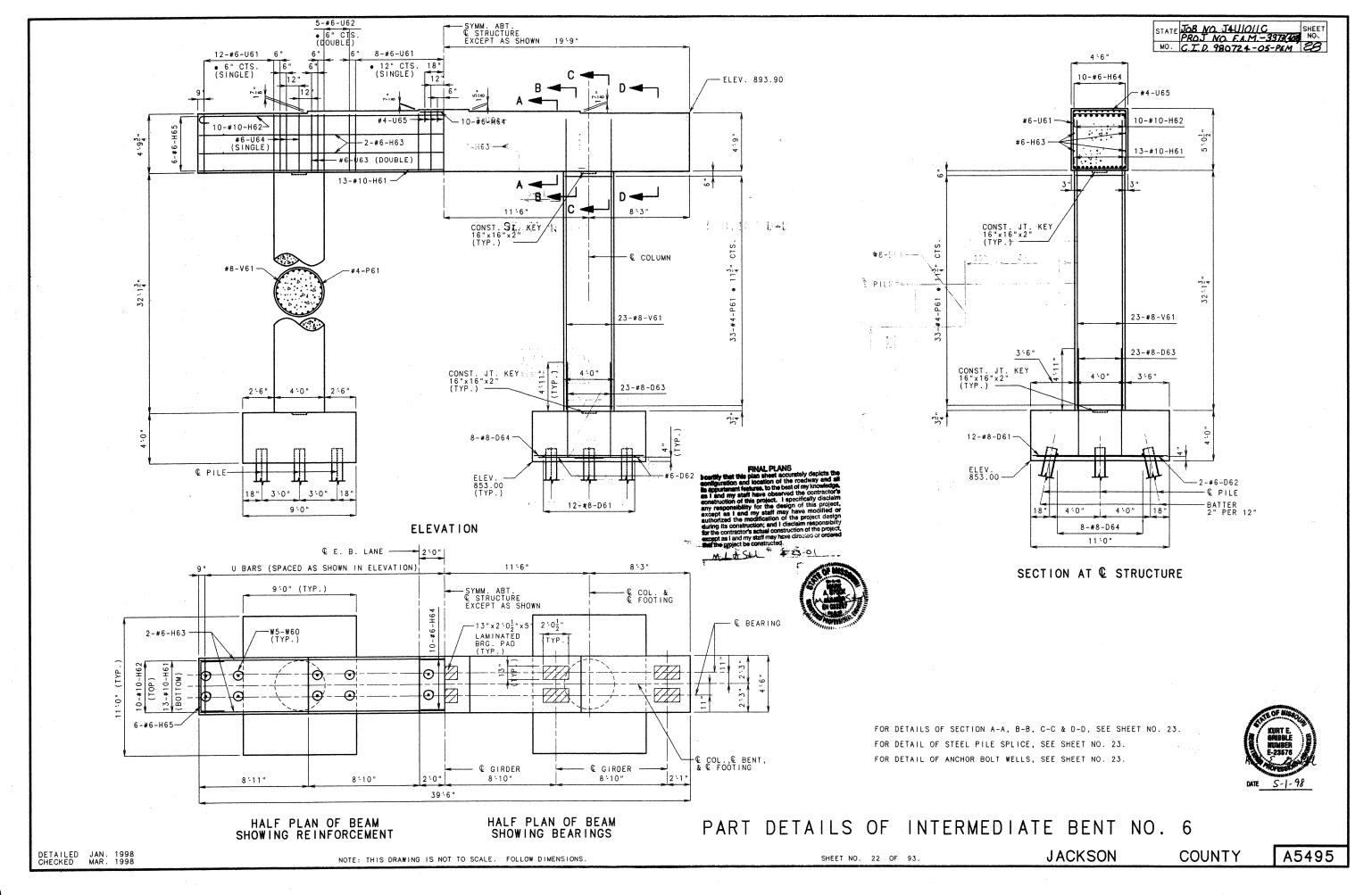
JACKSON

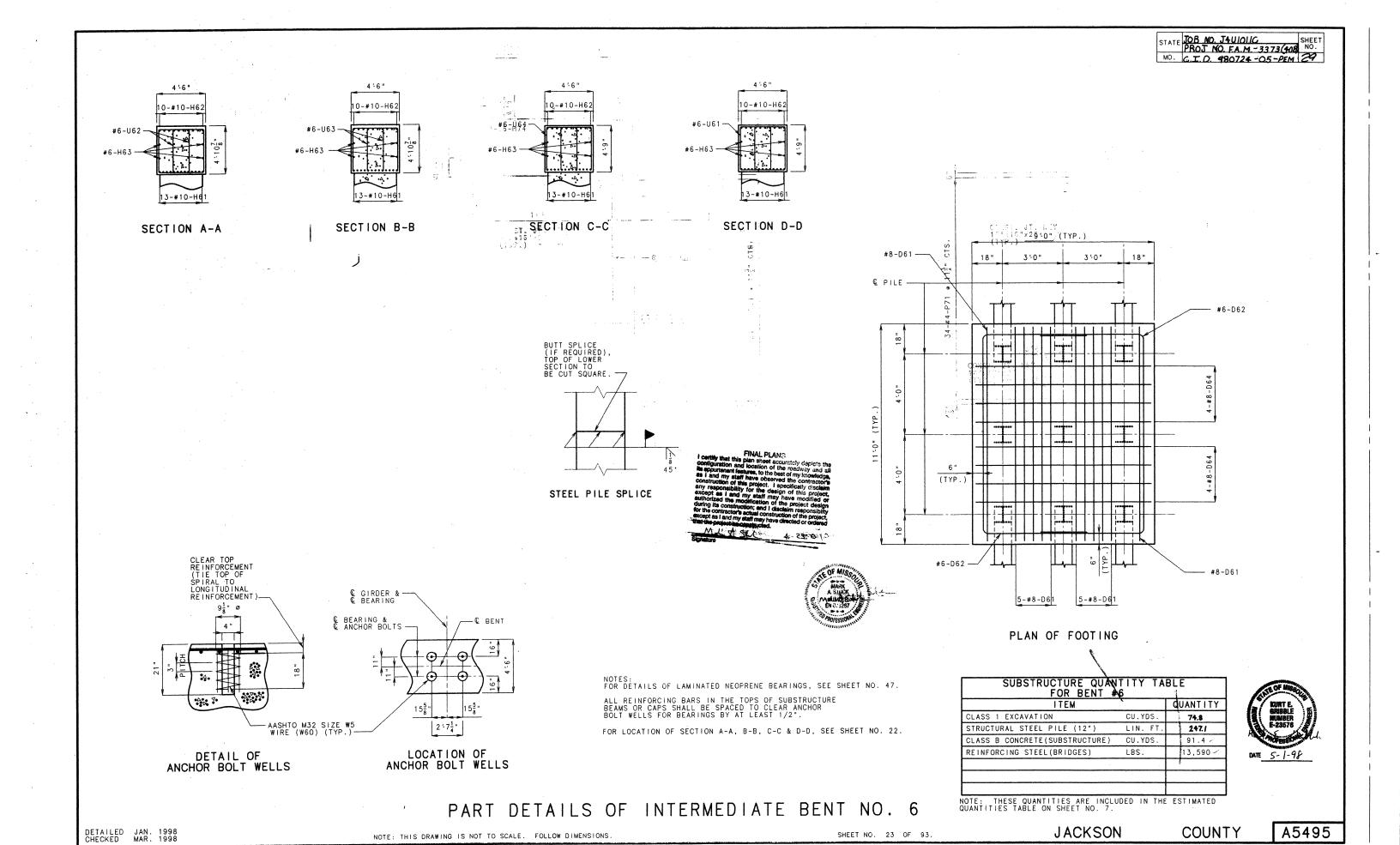
COUNTY

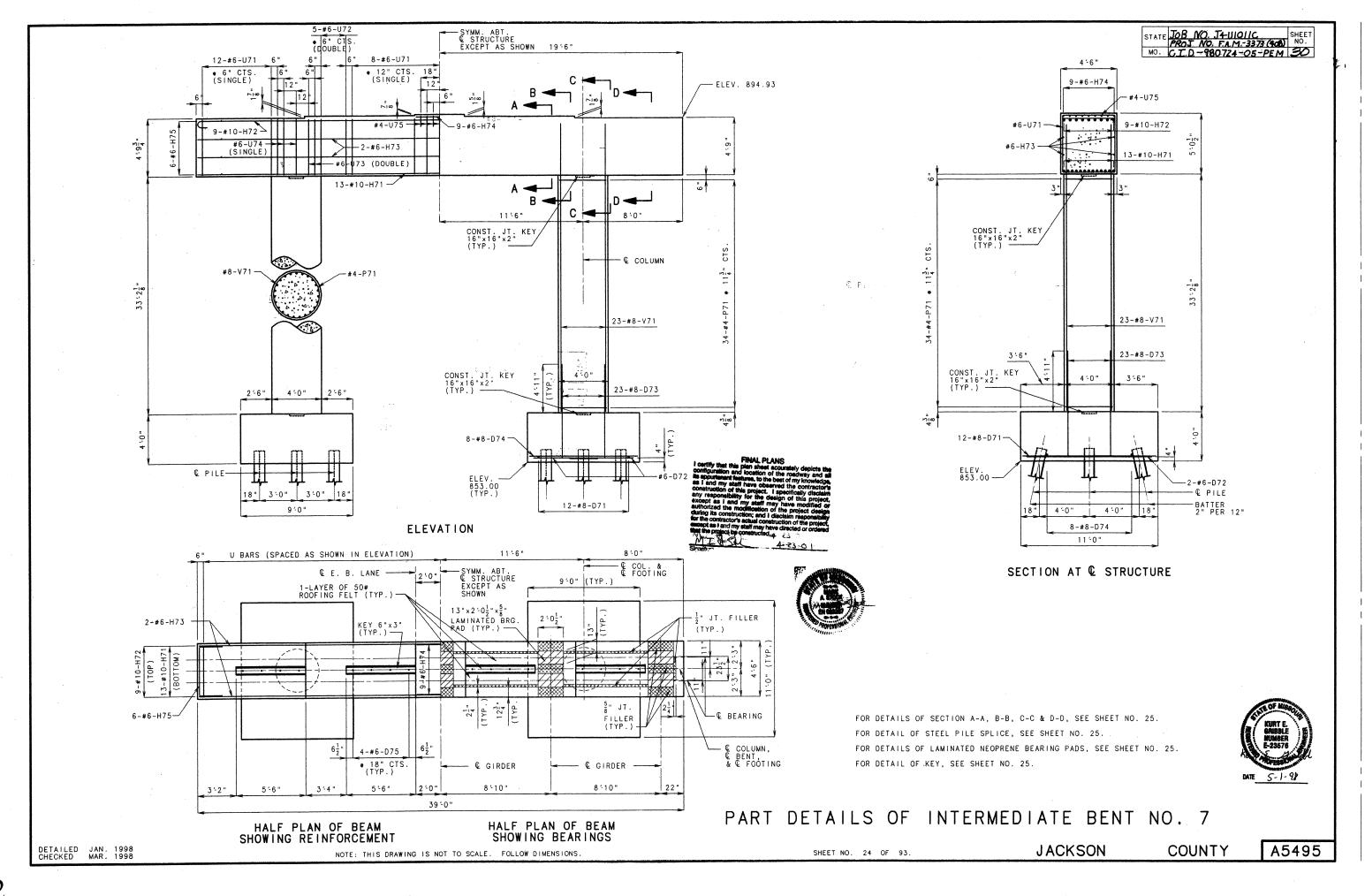
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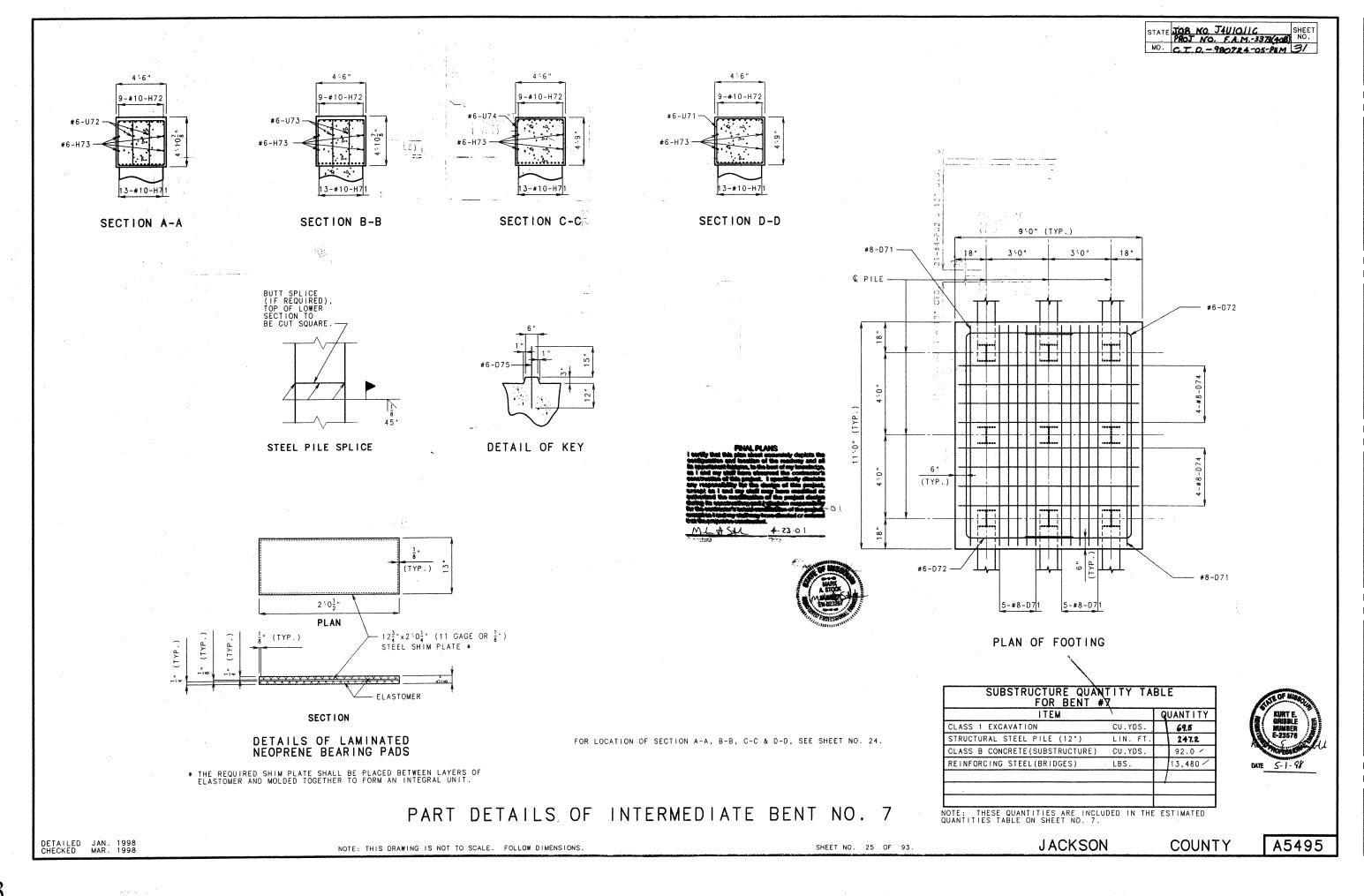


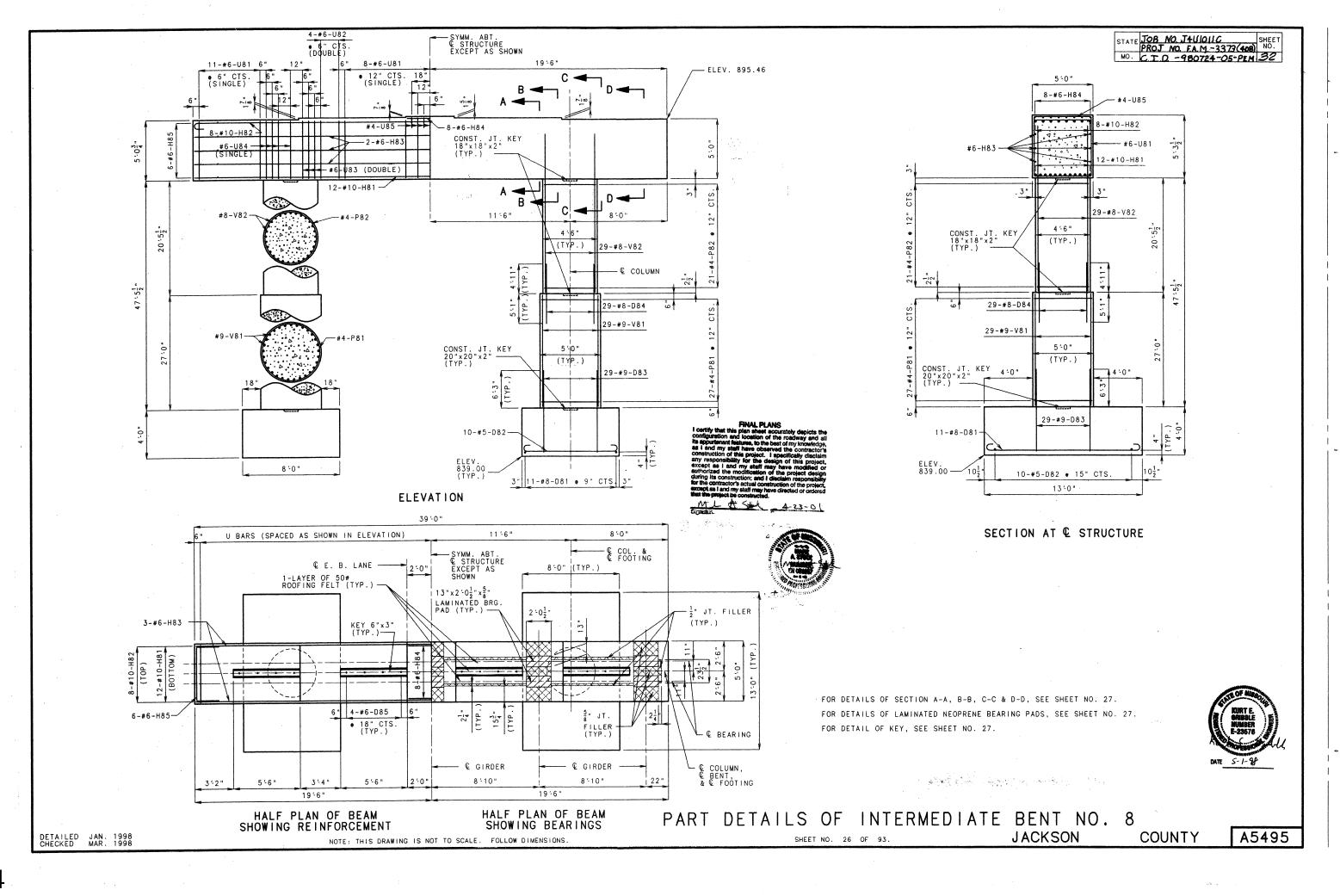


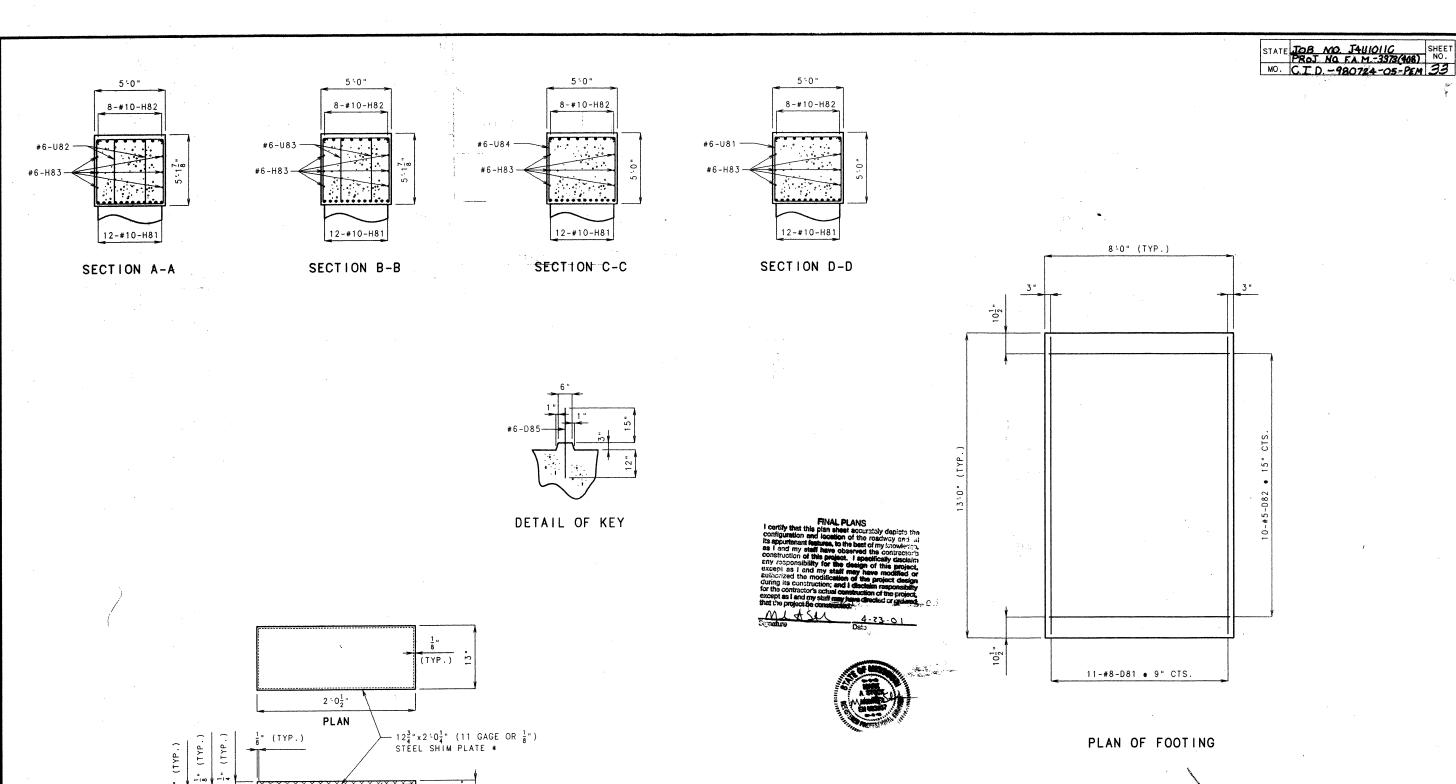












ITEM		QUANTIT
CLASS 1 EXCAVATION	CU.YDS.	90.6
CLASS 2 EXCAVATION	CU.YDS.	47
COFFERDAMS (BENT 8)	LUMP SUM	1-1
CLASS B CONCRETE (SUBSTRUCTURE)	CU.YDS.	131.3/
REINFORCING STEEL (BRIDGES)	LBS.	20,630-
CONT. 5205 FOUND TEST HOLES	L.E.	16



PART DETAILS OF INTERMEDIATE BENT NO. 8

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 26.

DETAILED JAN. 1998 CHECKED MAR. 1998

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

- ELASTOMER

SECTION

DETAILS OF LAMINATED NEOPRENE BEARING PADS

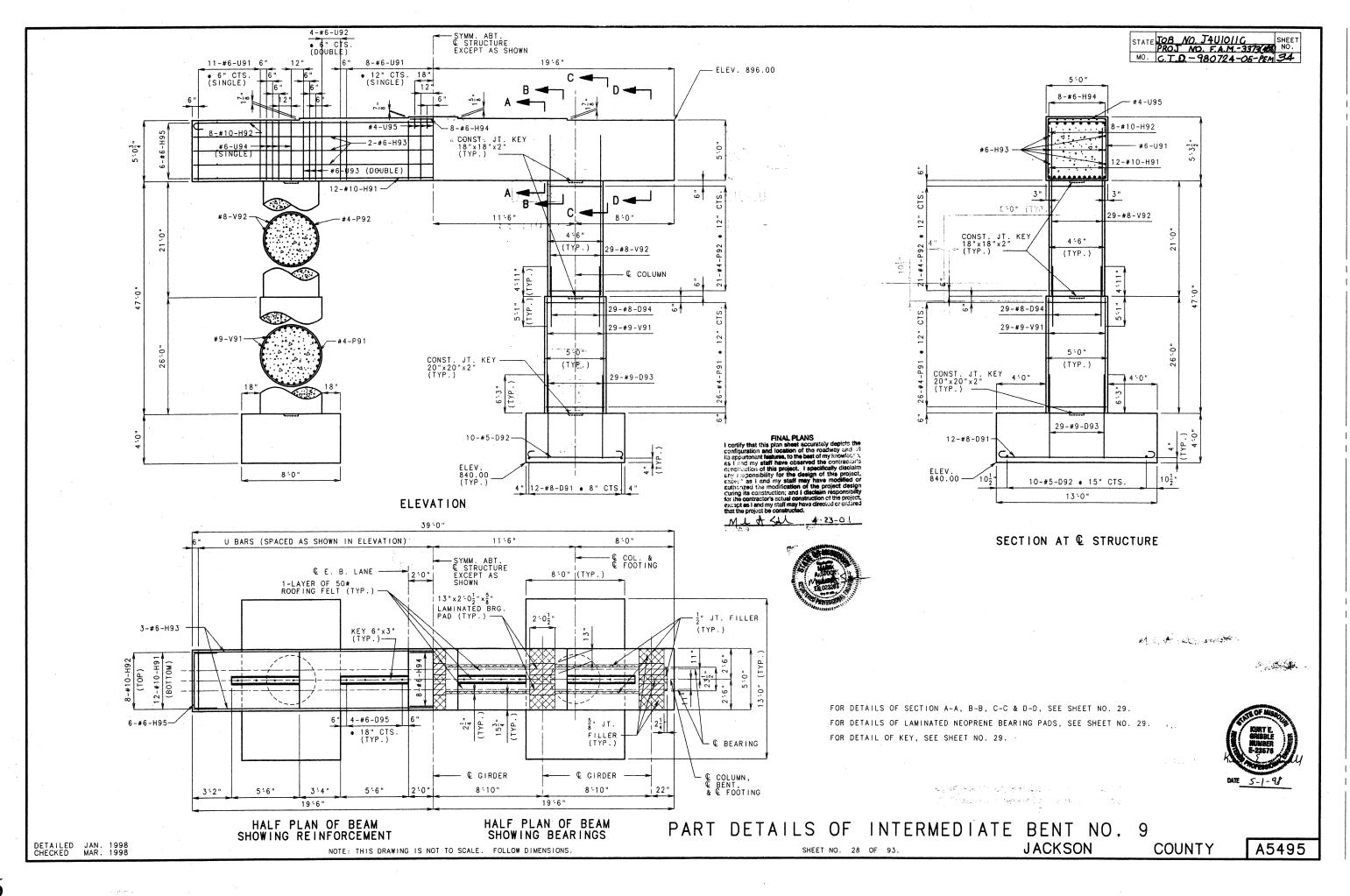
* THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOMER AND MOLDED TOGETHER TO FORM AN INTEGRAL UNIT.

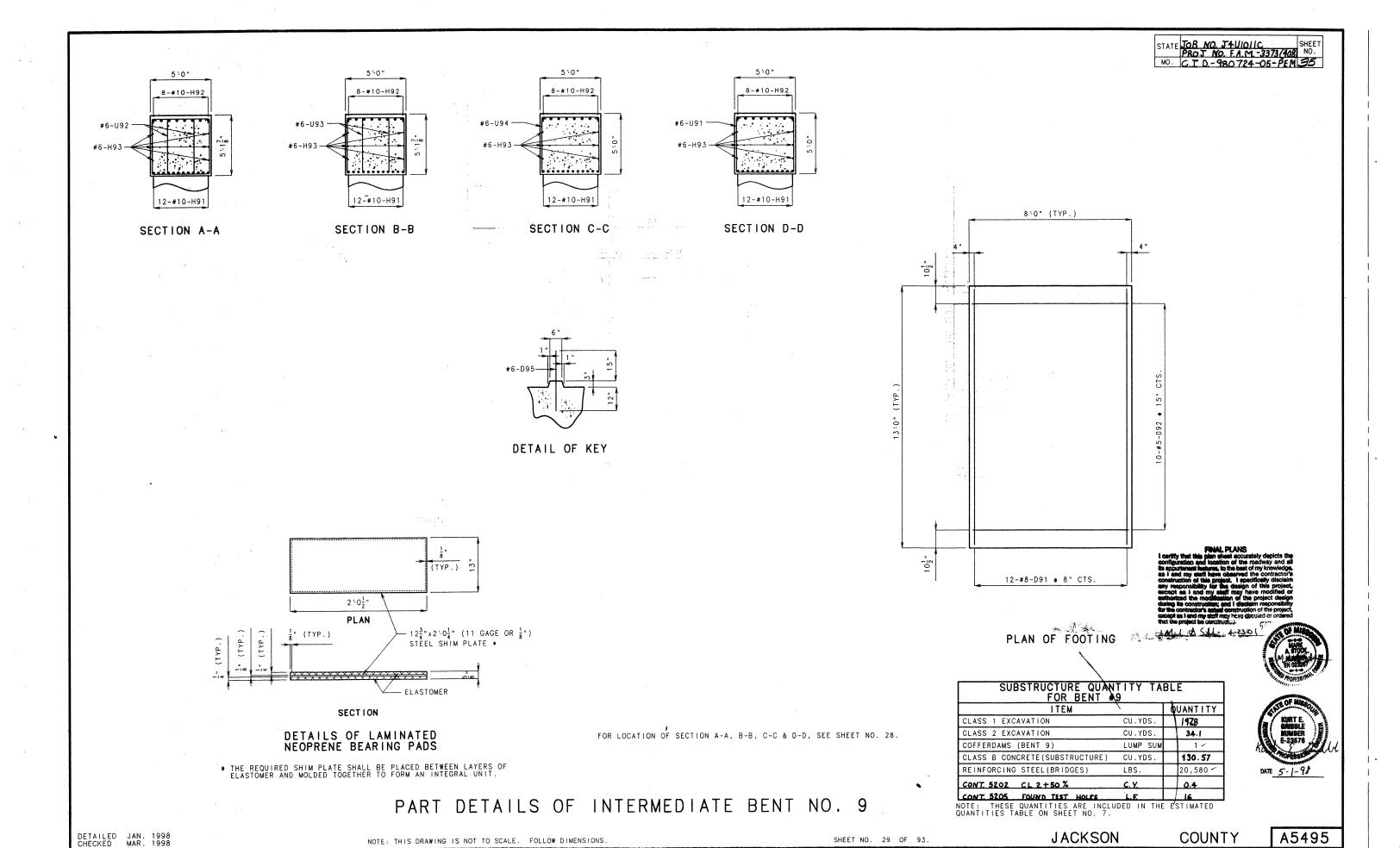
SHEET NO. 27 OF 93.

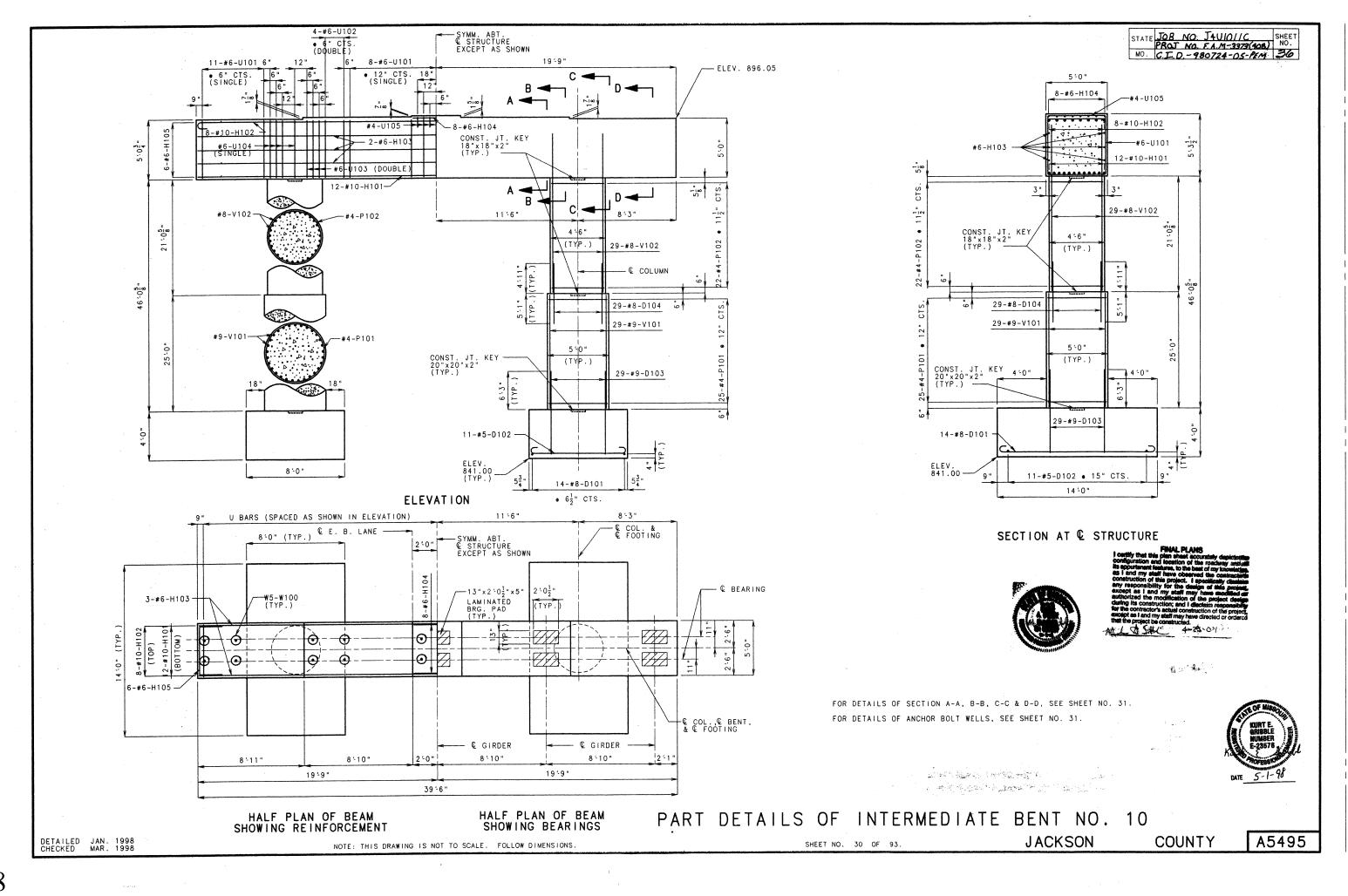
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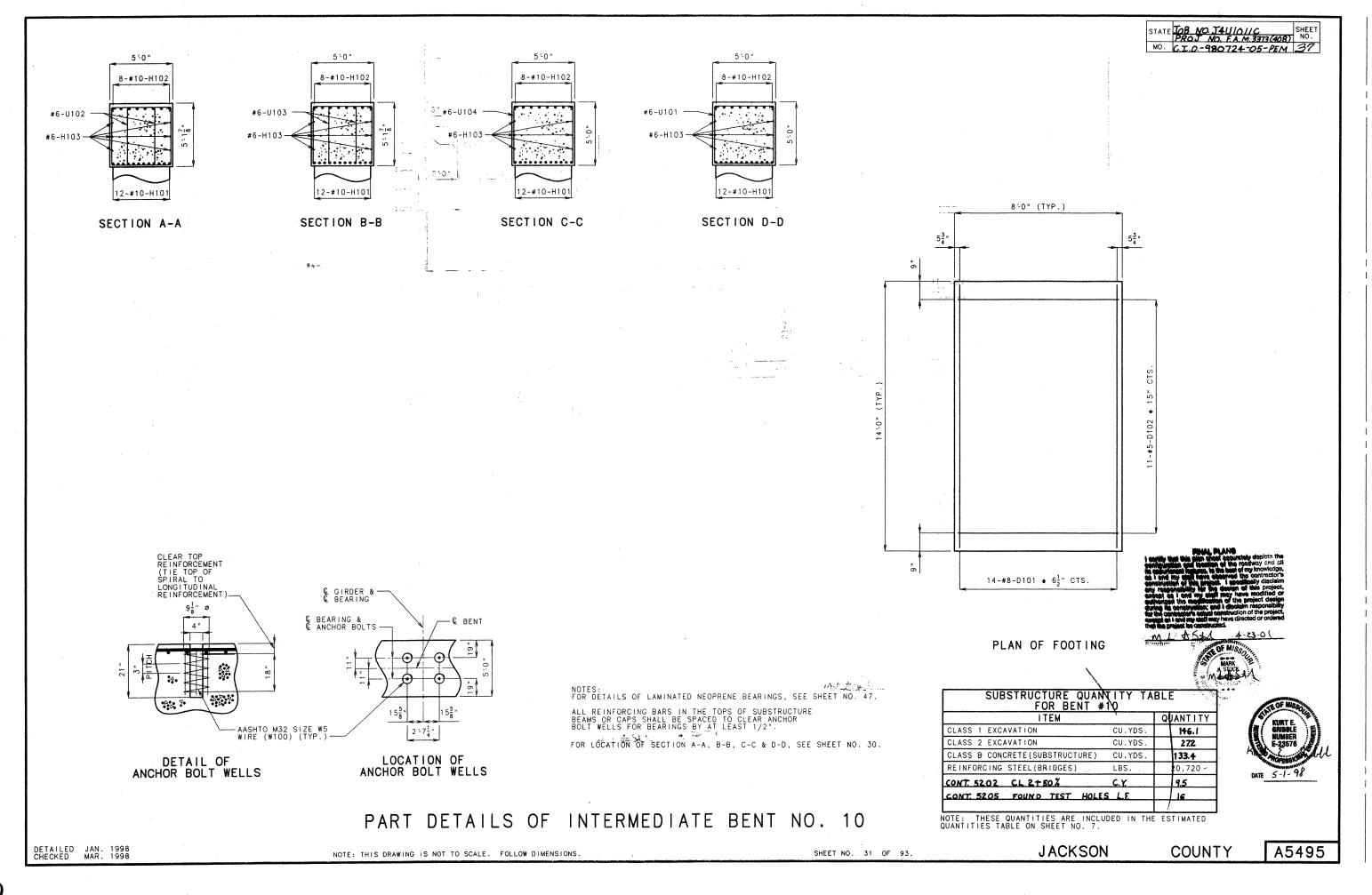
COUNTY

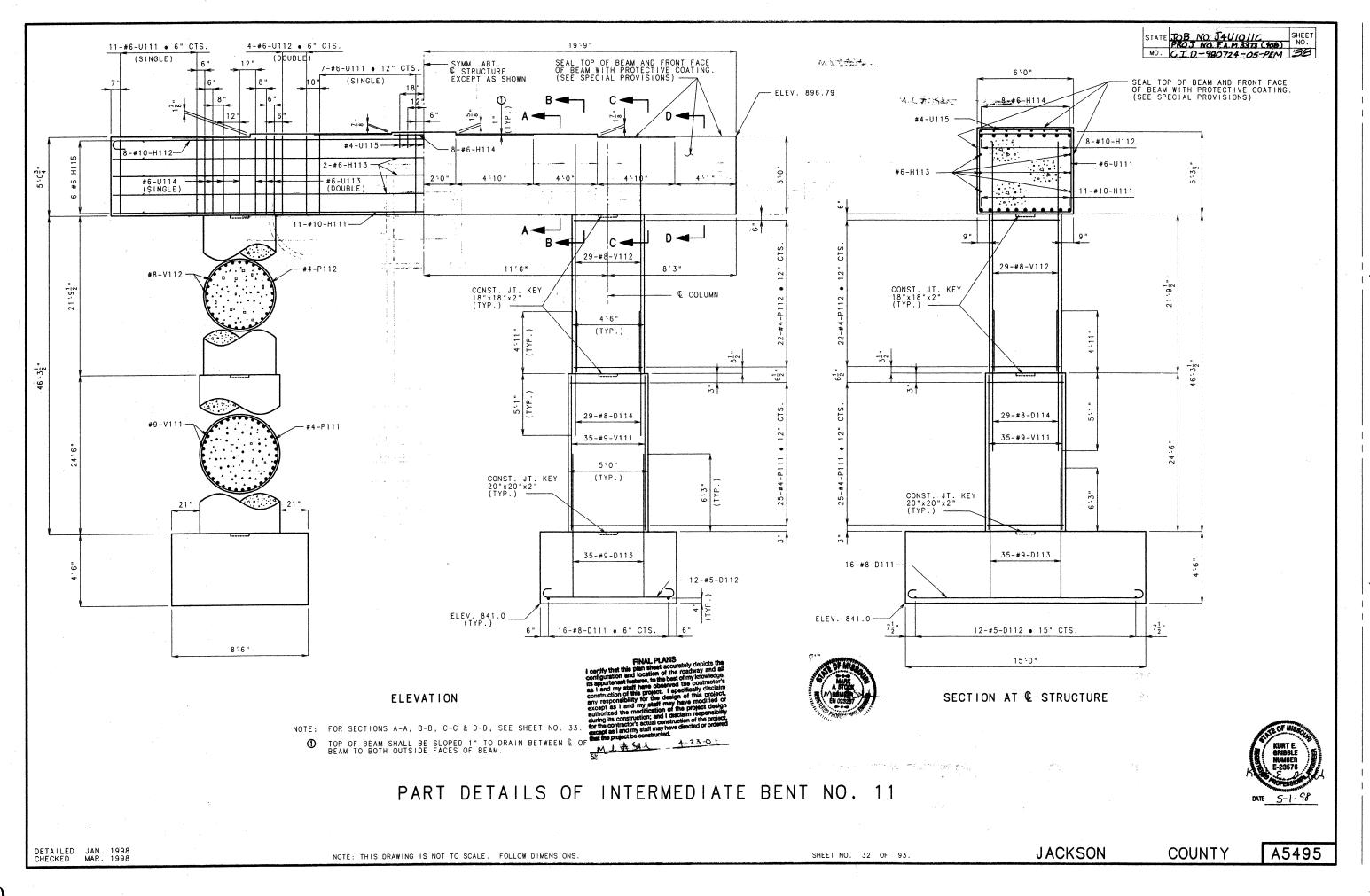
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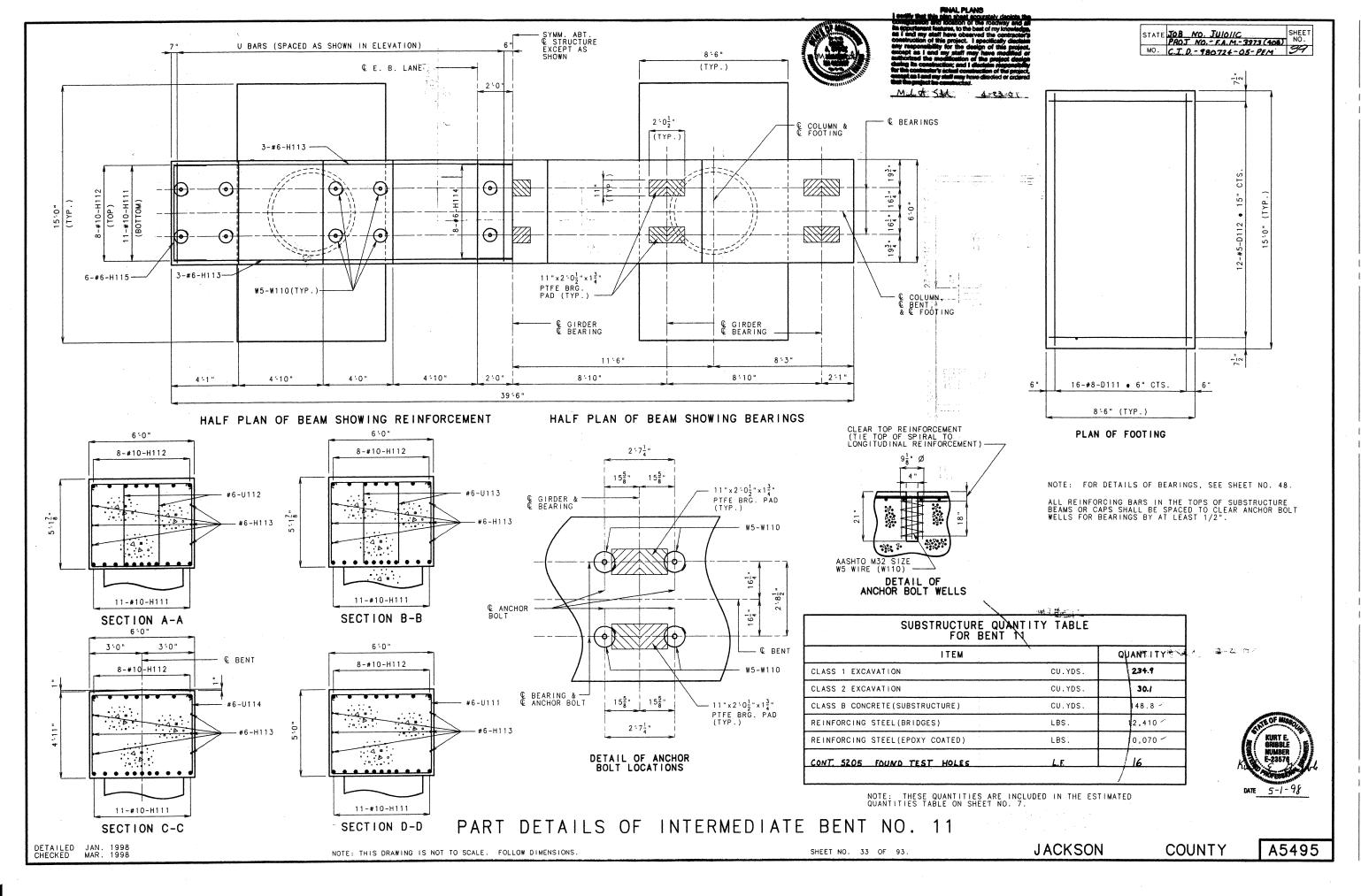


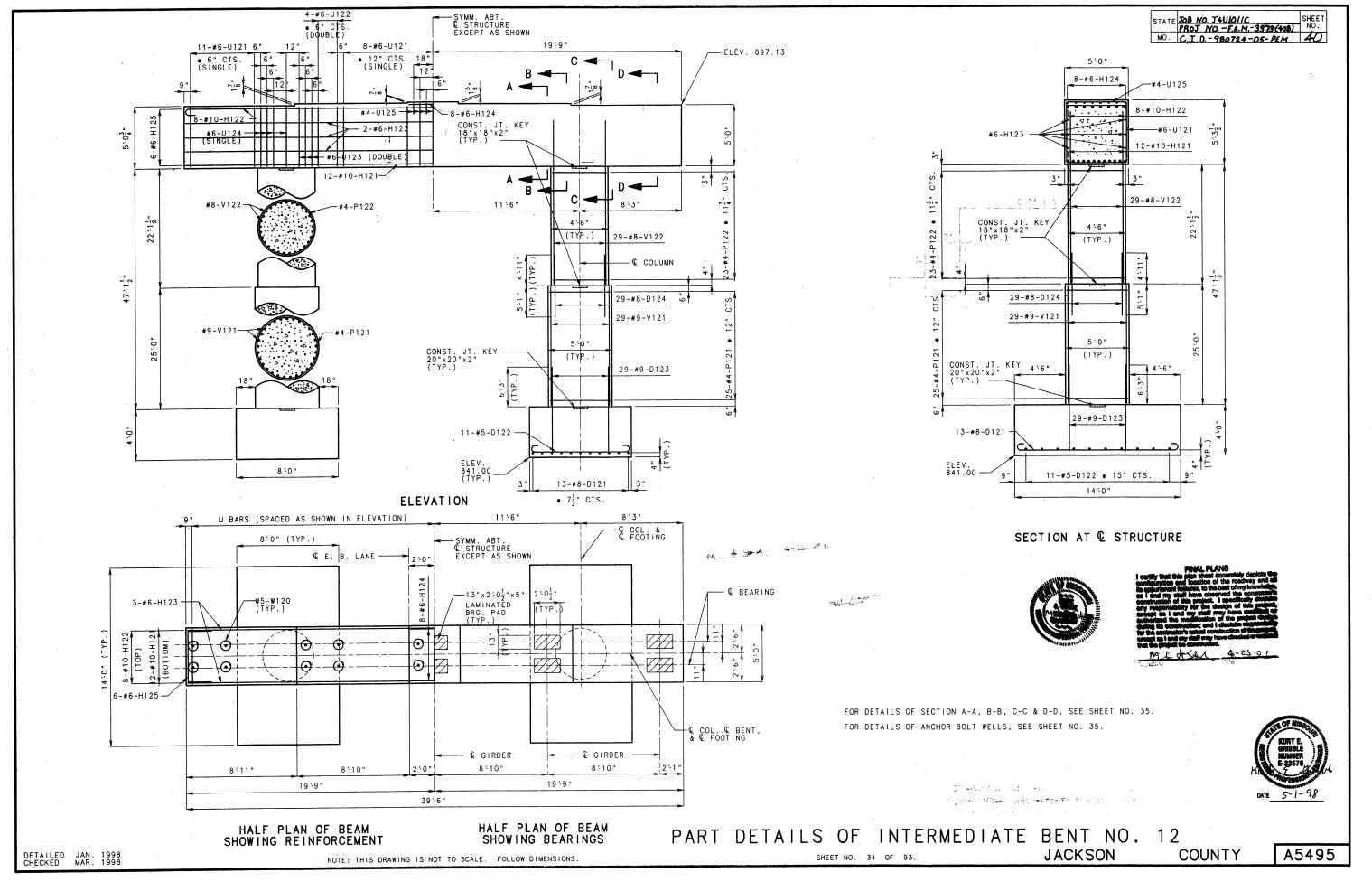


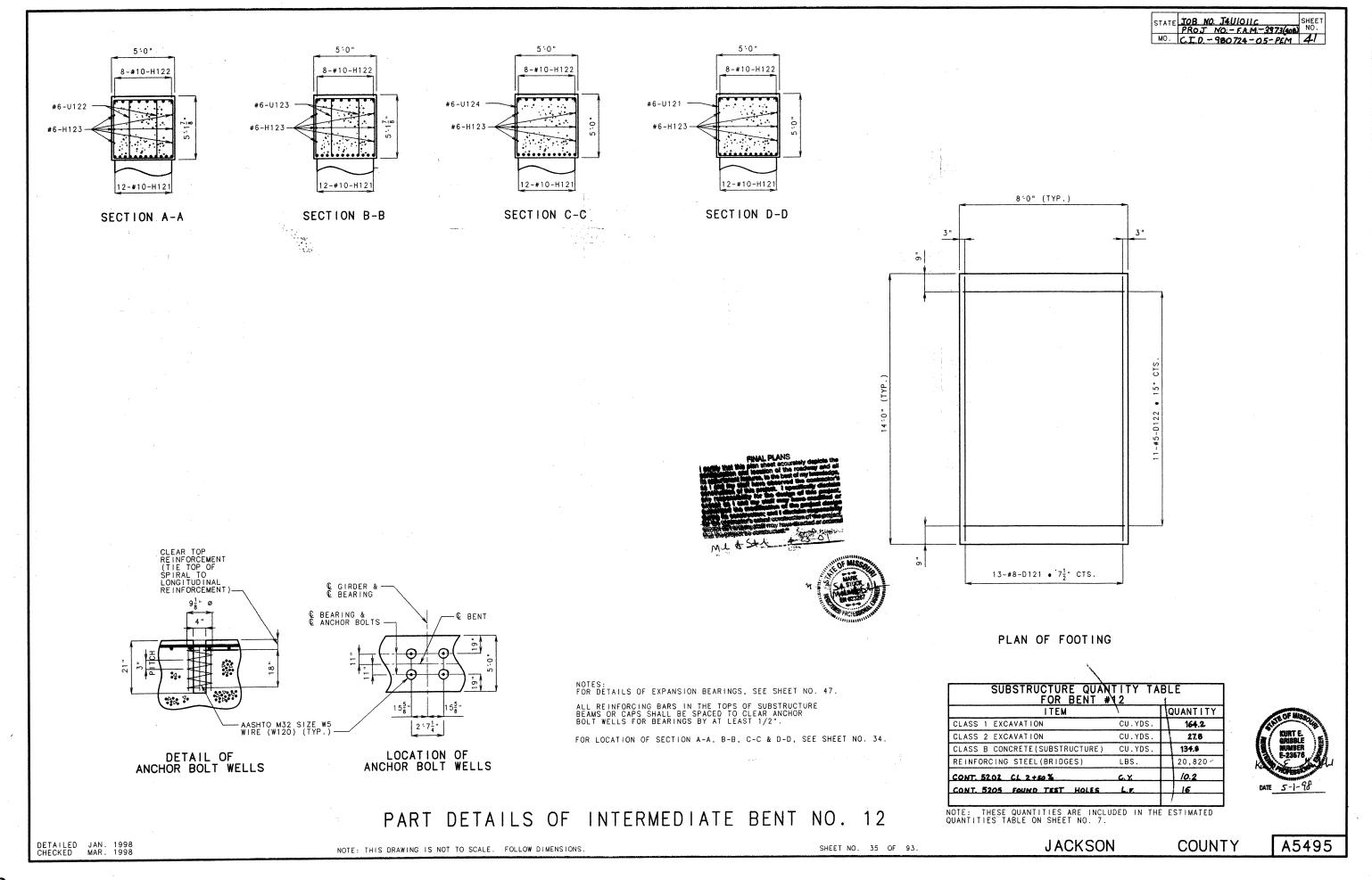


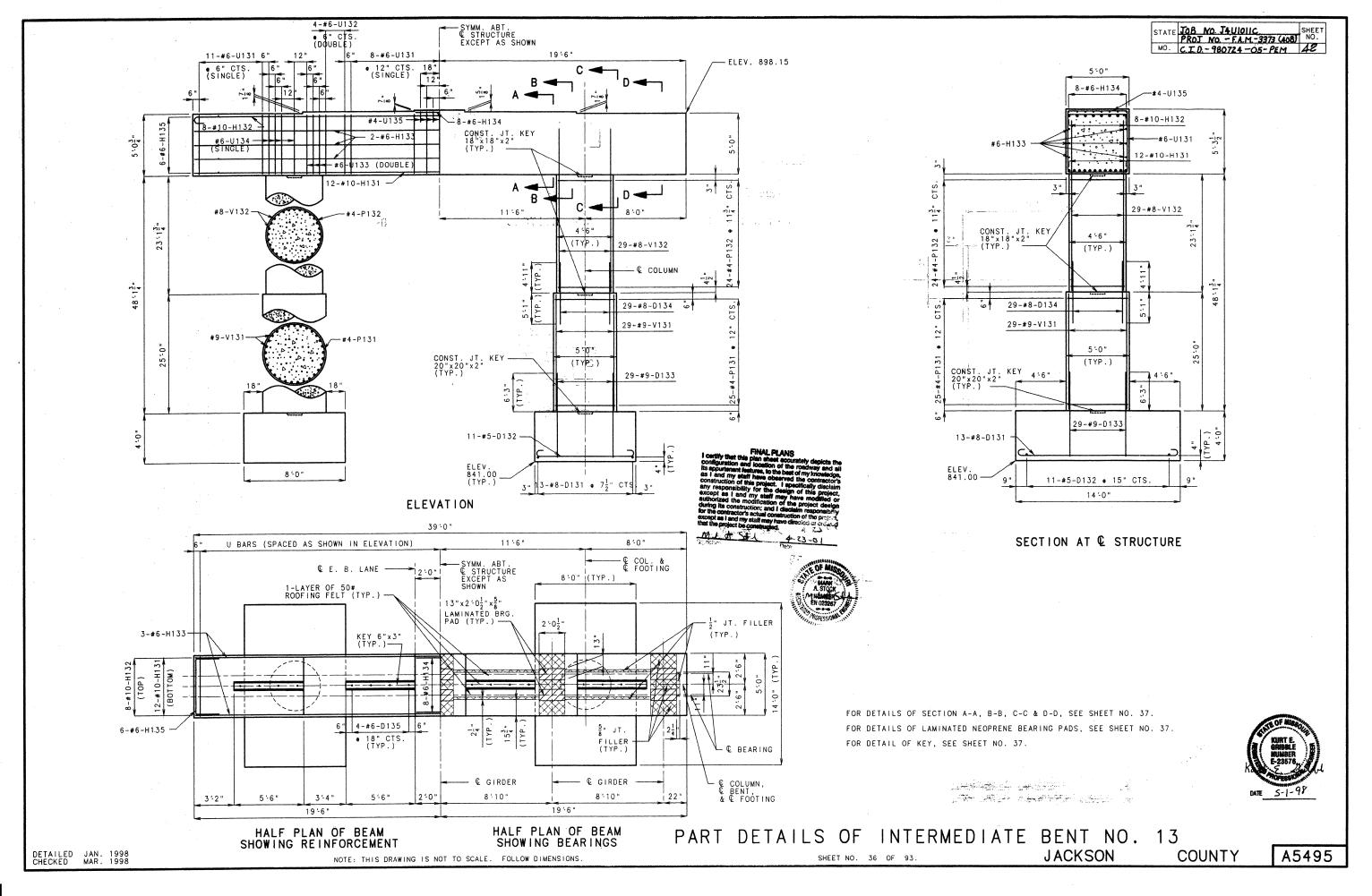


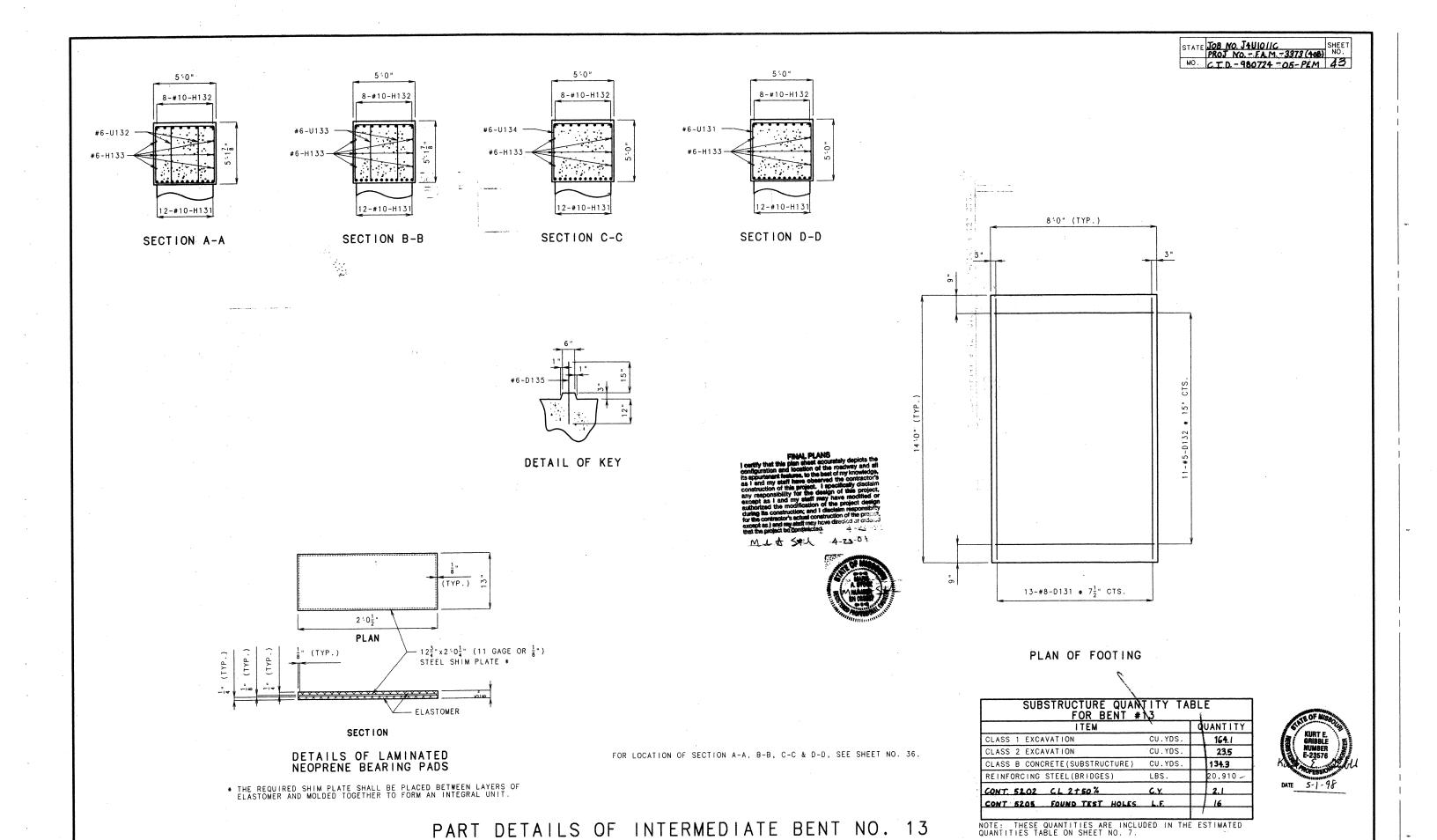












NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

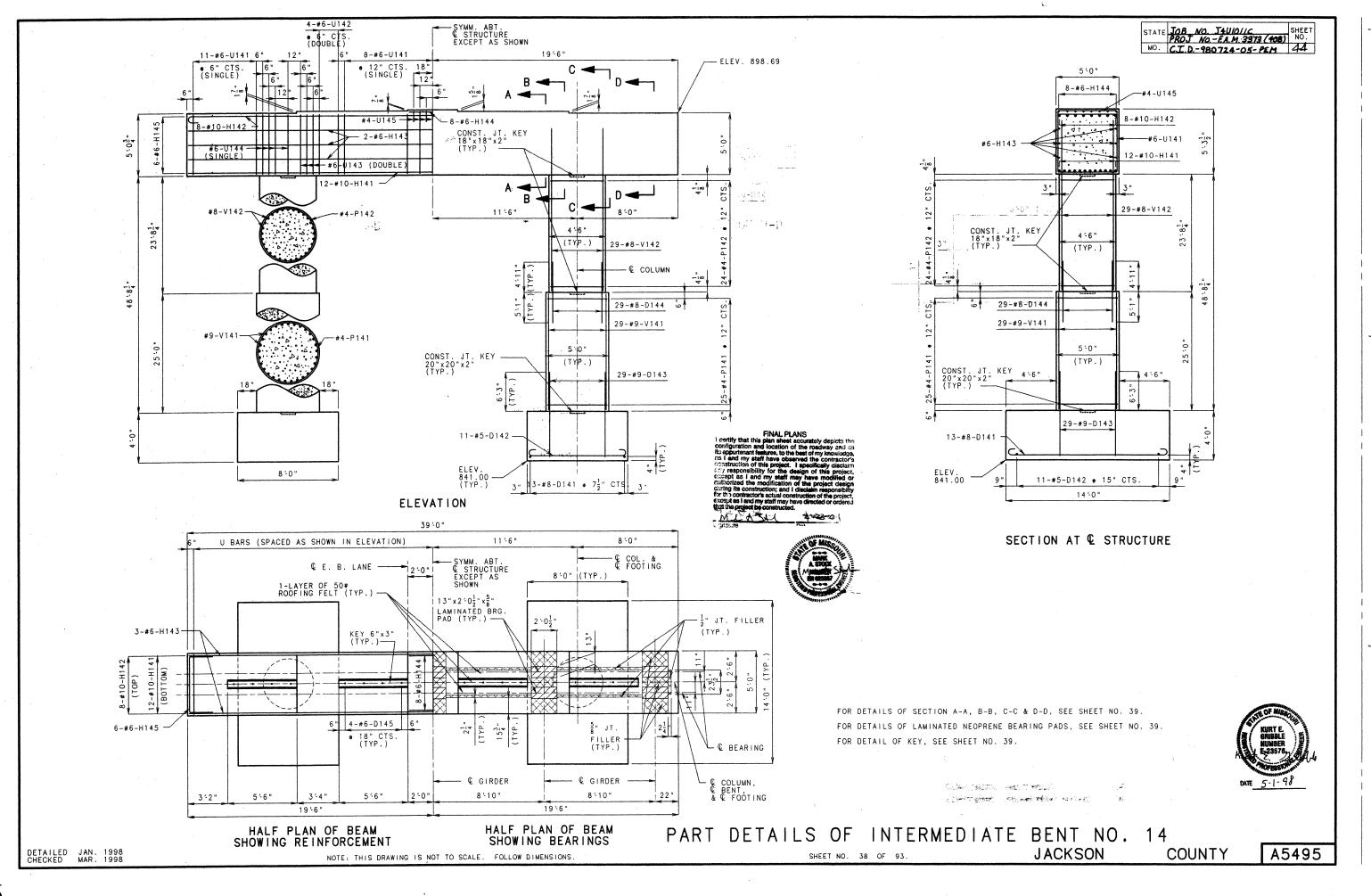
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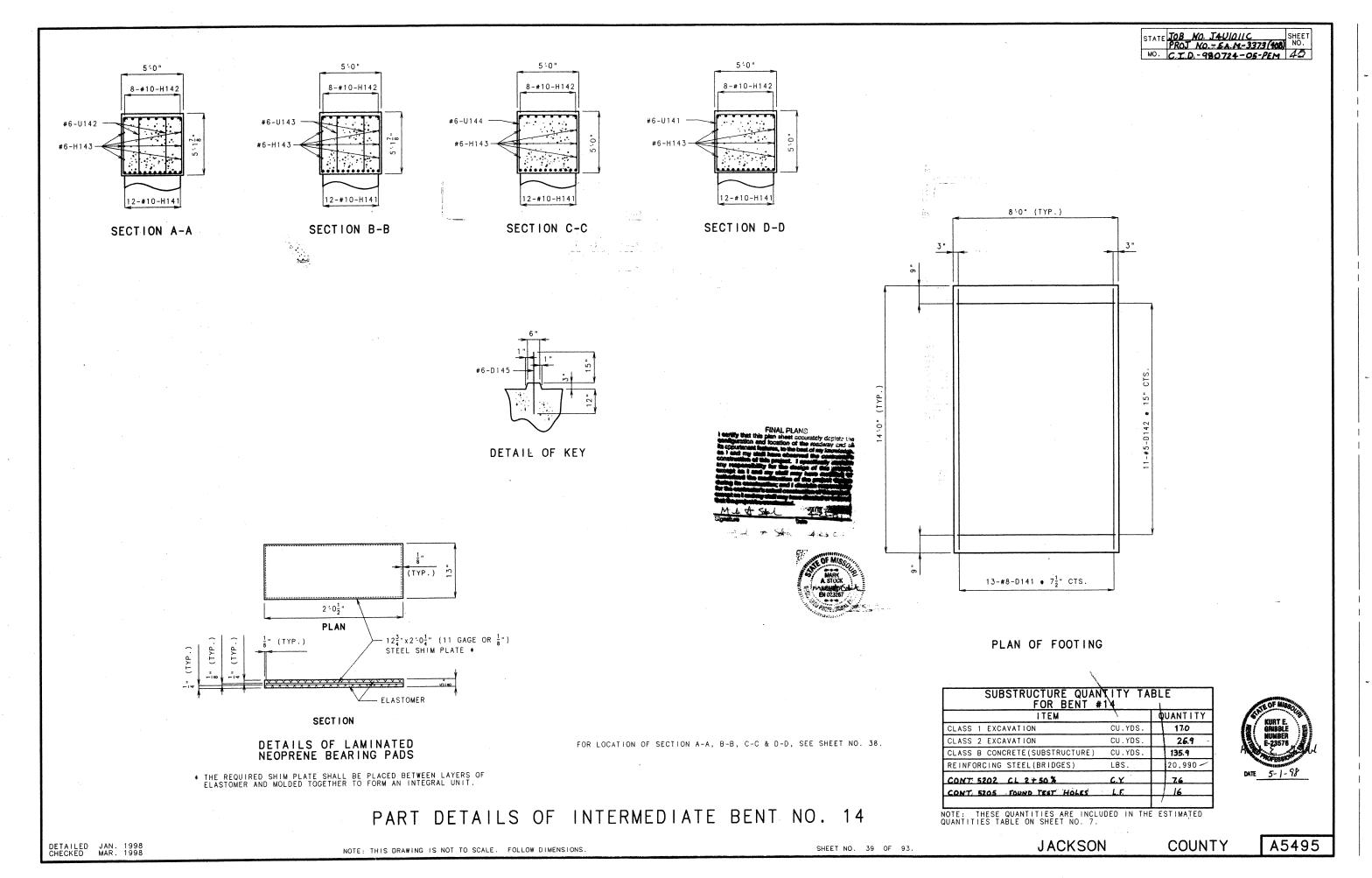
COUNTY

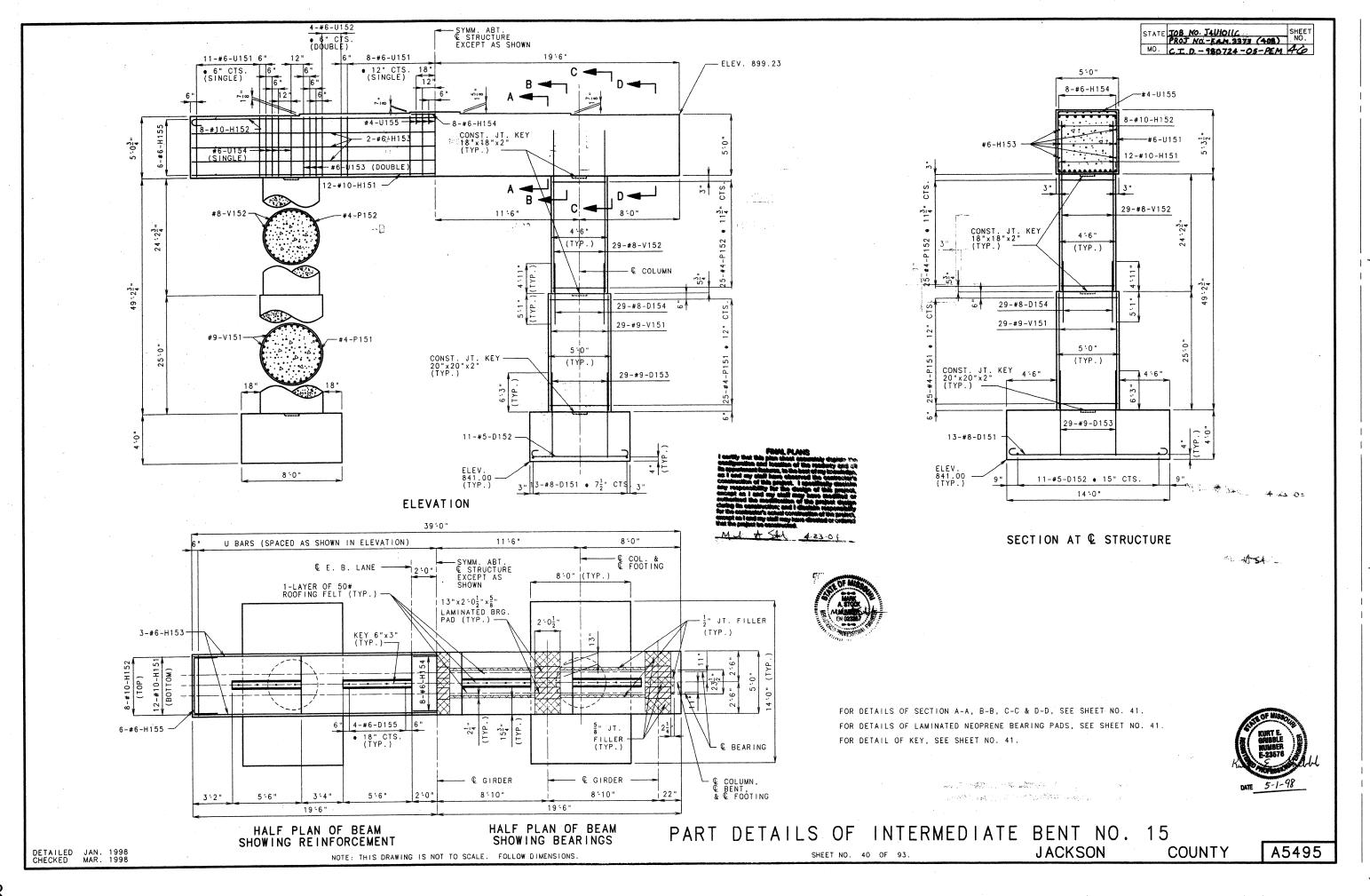
JACKSON

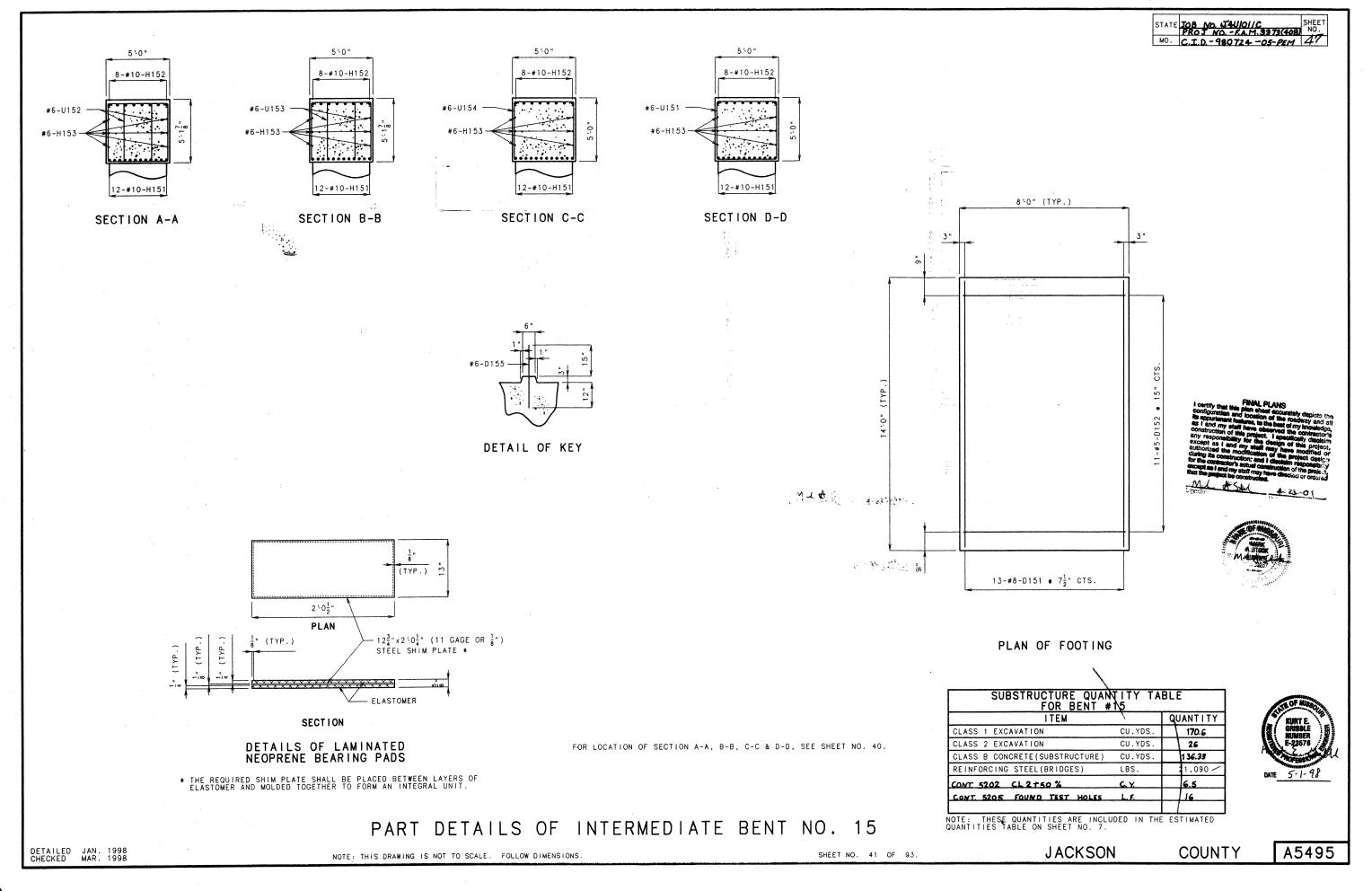
SHEET NO. 37 OF 93.

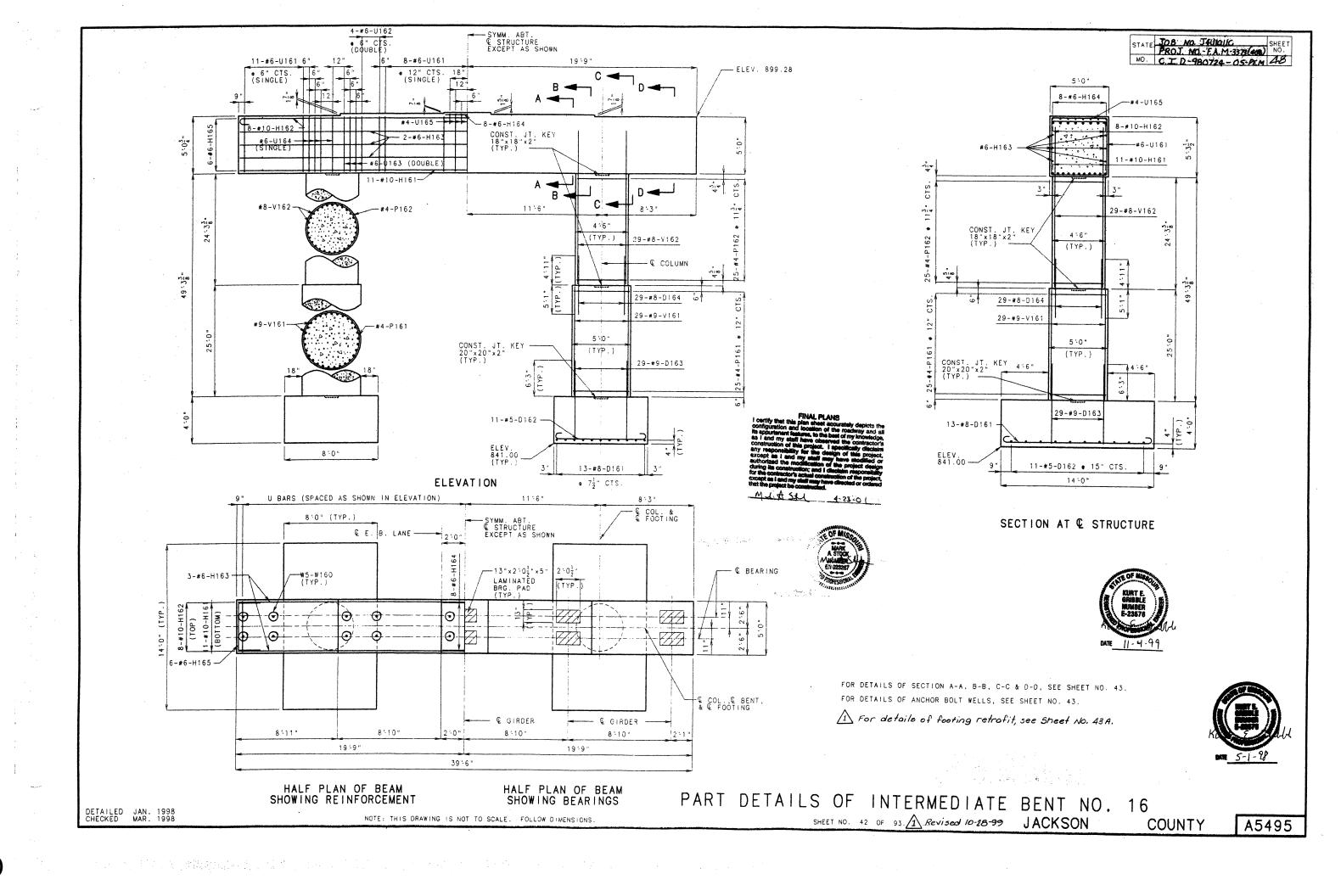
DETAILED JAN. 1998 CHECKED MAR. 1998

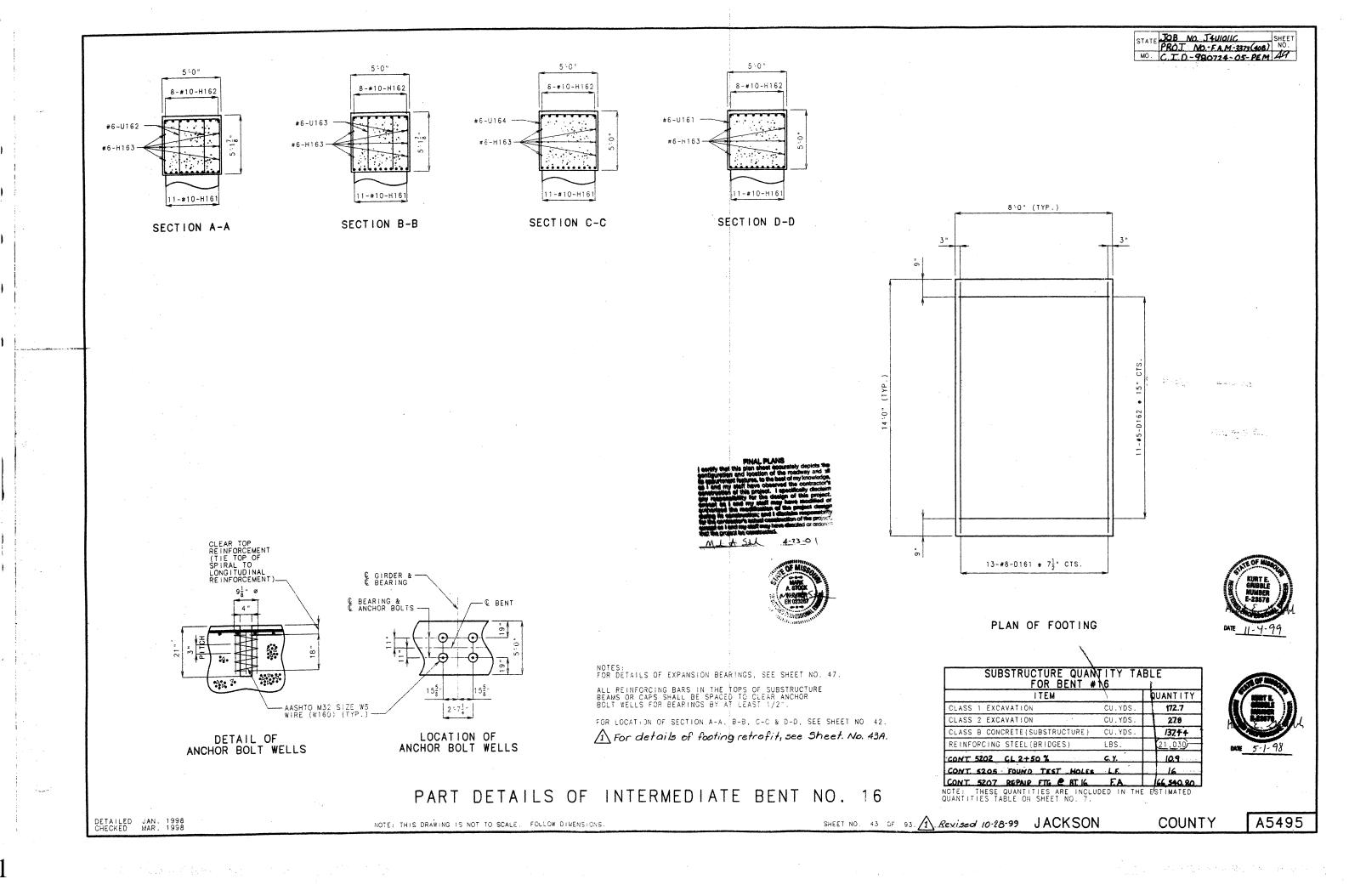


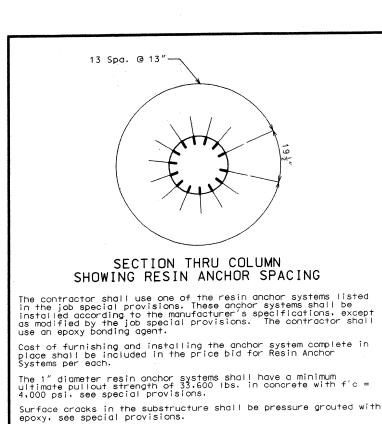


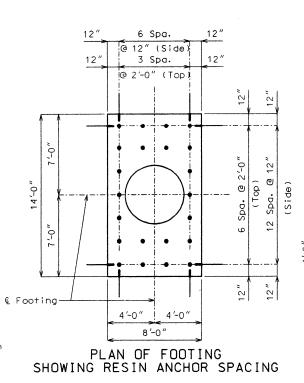




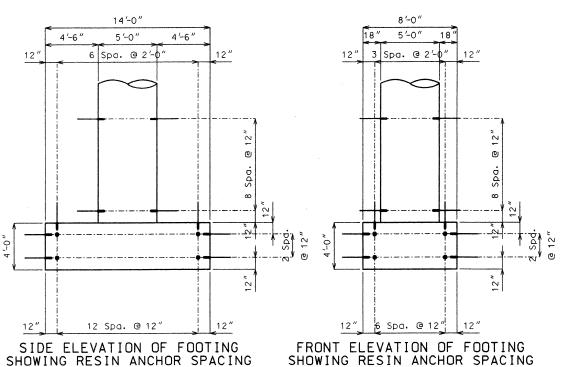




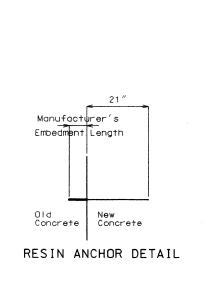




Note: This drawing is not to scale. Follow dimensions



Sheet No. 43A of 93.



Const. Joint key 2" x 8"

DATE 11-4-99

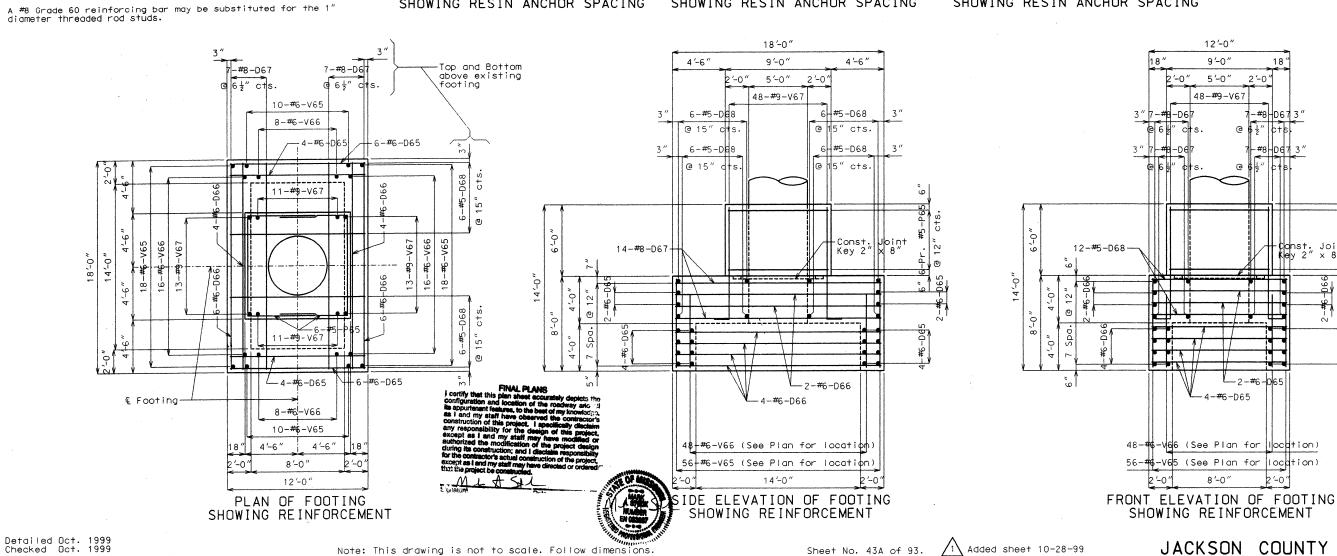
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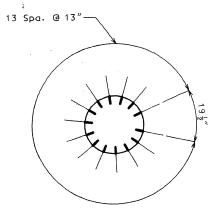
JOB NO JAUIOUC Shee

C.I.D-980724-05-PEM 49A

MO

Sheet





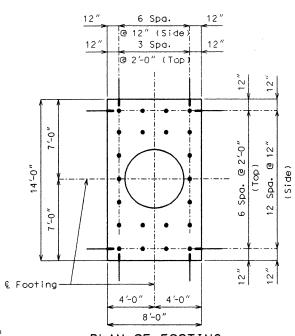
SECTION THRU COLUMN SHOWING RESIN ANCHOR SPACING

The contractor shall use one of the resin anchor systems listed in the job special provisions. These anchor systems shall be installed according to the manufacturer's specifications, except as modified by the job special provisions. The contractor shall use an epoxy bonding agent.

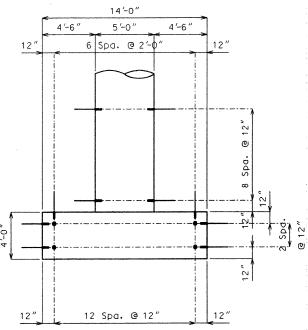
Cost of furnishing and installing the anchor system complete in place shall be included in the price bid for Resin Anchor Systems per each.

The 1" diameter resin anchor systems shall have a minimum ultimate pullout strength of 33.600 lbs. in concrete with f'c = 4.000 psi, see special provisions. Surface cracks in the substructure shall be pressure grouted with epoxy, see special provisions.

A #8 Grade 60 reinforcing bar may be substituted for the 1 $^{\prime\prime}$ diameter threaded rod studs.



PLAN OF FOOTING SHOWING RESIN ANCHOR SPACING



SIDE ELEVATION OF FOOTING SHOWING RESIN ANCHOR SPACING

4'-6"

6H#5-D68

6H#5-D68

@ 15" cts.

@ 15" cts.

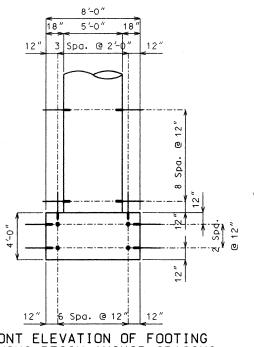
18'-0"

9'-0"

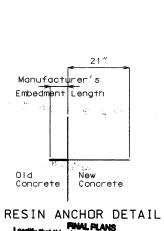
5′-0″

48-#9-V67

2'-0"



FRONT ELEVATION OF FOOTING SHOWING RESIN ANCHOR SPACING

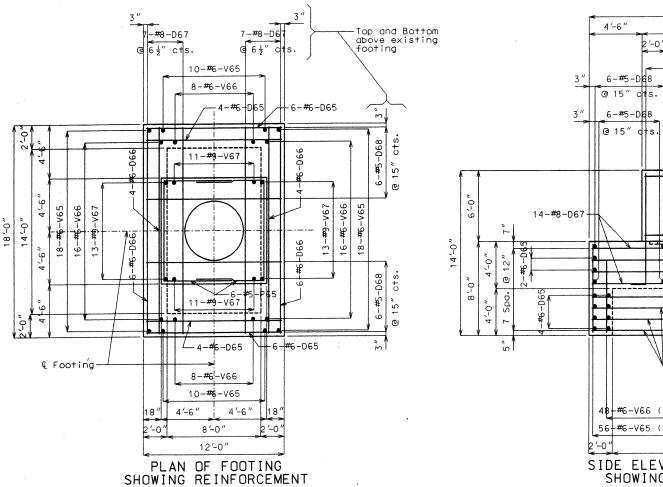


TOB NO. JAUIOIIC Sheet PROT NO. FAM-3336(M) No.

C.I.D-980724-05-PEM 49 A

PINAL PLANS
I certify that the plen sheet accurately depicts the configuration and location of the roadway and all its appurtment seals—as to the best of my knowledge was I and my staff have observed the contractor's construction of this project. I specifically disclaim any responsibility for the design of this project, except as I and my staff may have modified or during its construction; and I disclaim responsibility for the design of the project design of the project design of the project of t during its construction, and I disclaim responsibility for the contractors actual construction of the project design for the contractors actual construction of the project except as I may have directed or ordered that the project be constructed.

MLASEL 4.23.01



Const. Key 2 -- 2-#6-D66 -4-#6-D66 48+#6-V66 (See Plan for location) 56+#6-V65 (See Plan for location) 14'-0" SIDE ELEVATION OF FOOTING SHOWING REINFORCEMENT Note: This drawing is not to scale. Follow dimensions. Sheet No. 43A of 93.

12′-0″ 9'-0" 18 " 5′-0″ 2'-0" 48-#9-V67 -#8HD673' #8-D617 @ Const. Joint 12-#5-D68-4-#6-D65 48-#6-VG6 (See Plan for Docation) 56-#-V65 (See Plan for 8'-0' DATE 11-4-99 FRONT ELEVATION OF FOOTING

SHOWING REINFORCEMENT

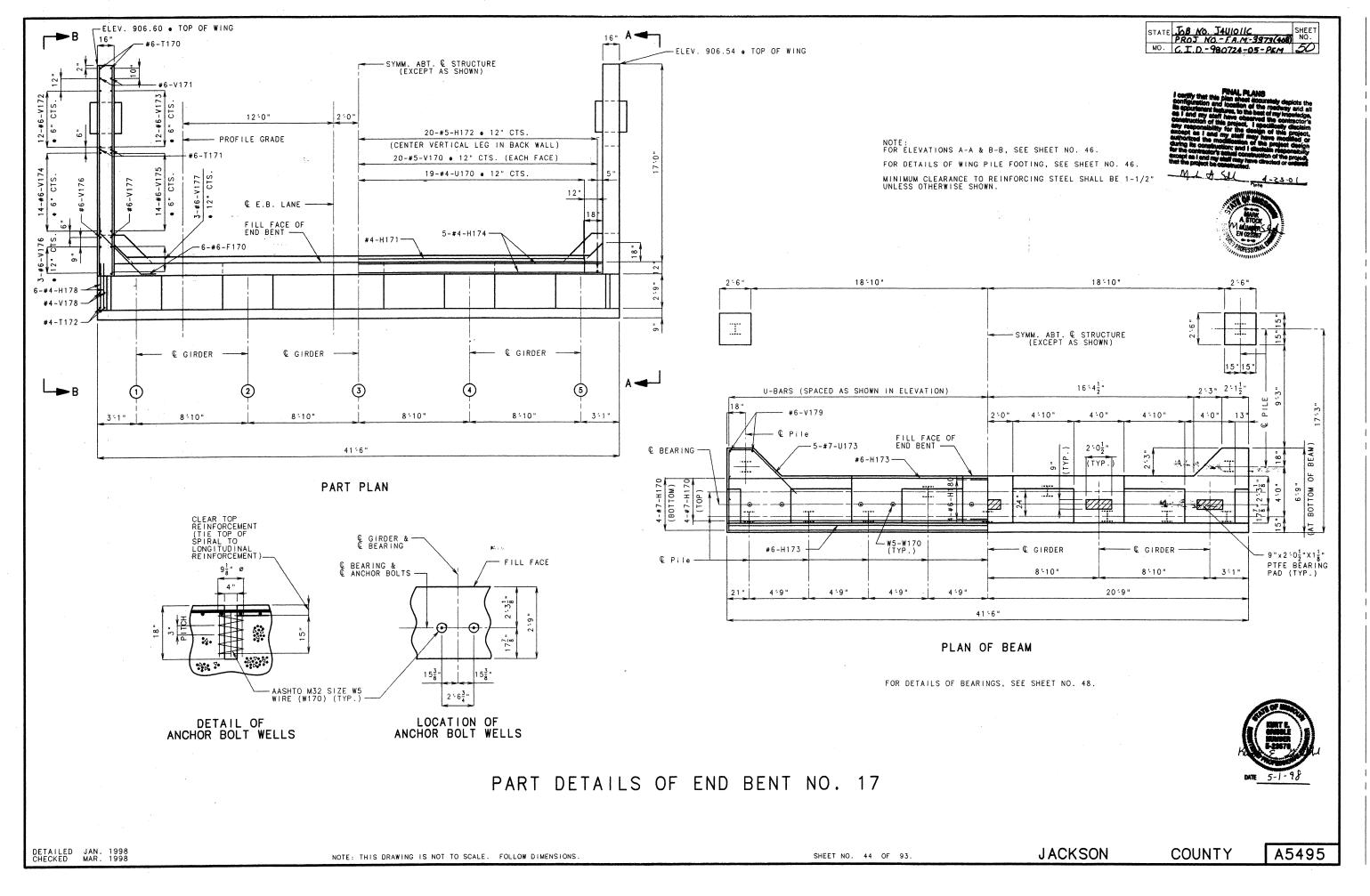
\ Added sheet 10-28-99

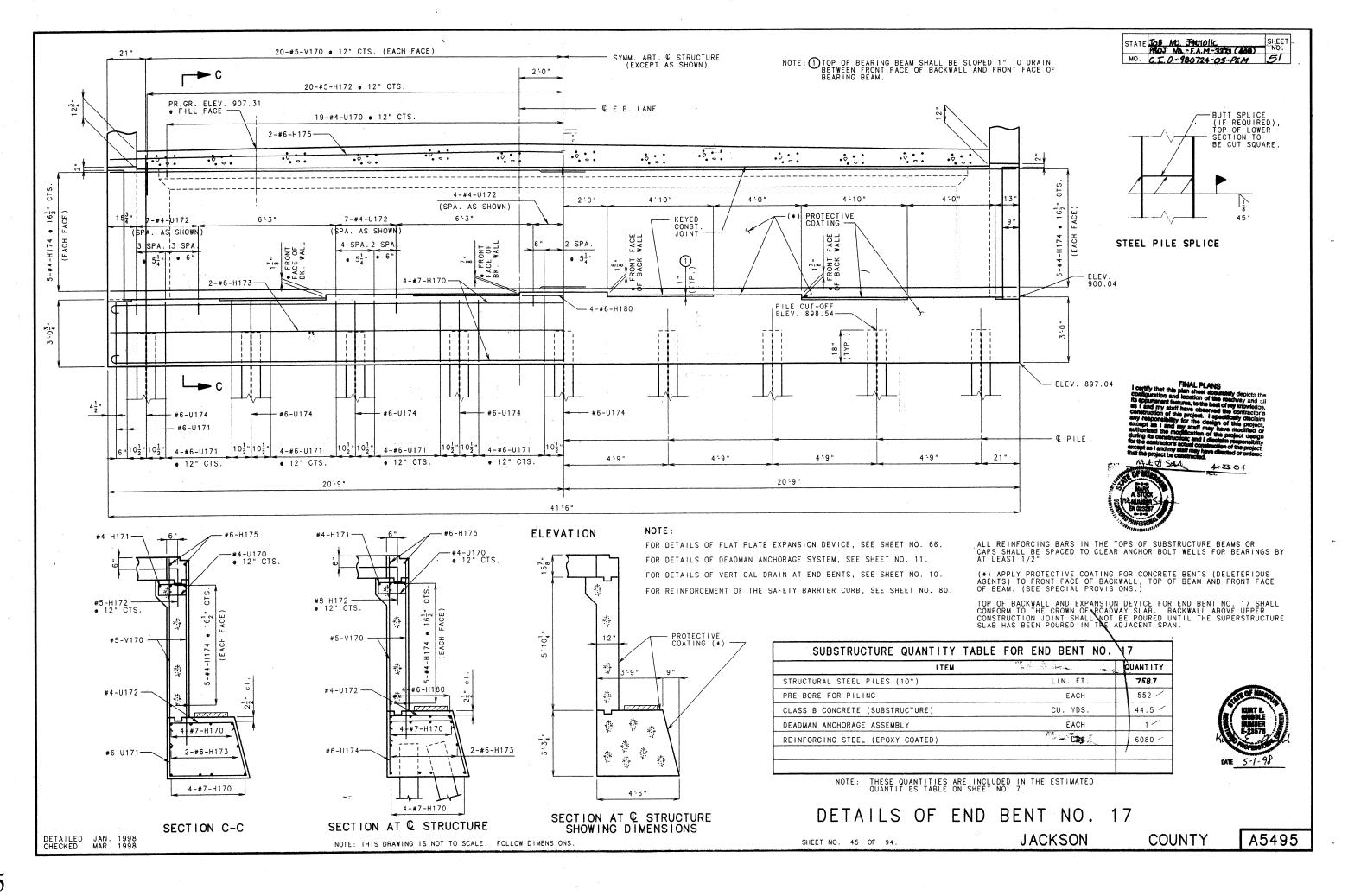
JACKSON COUNTY

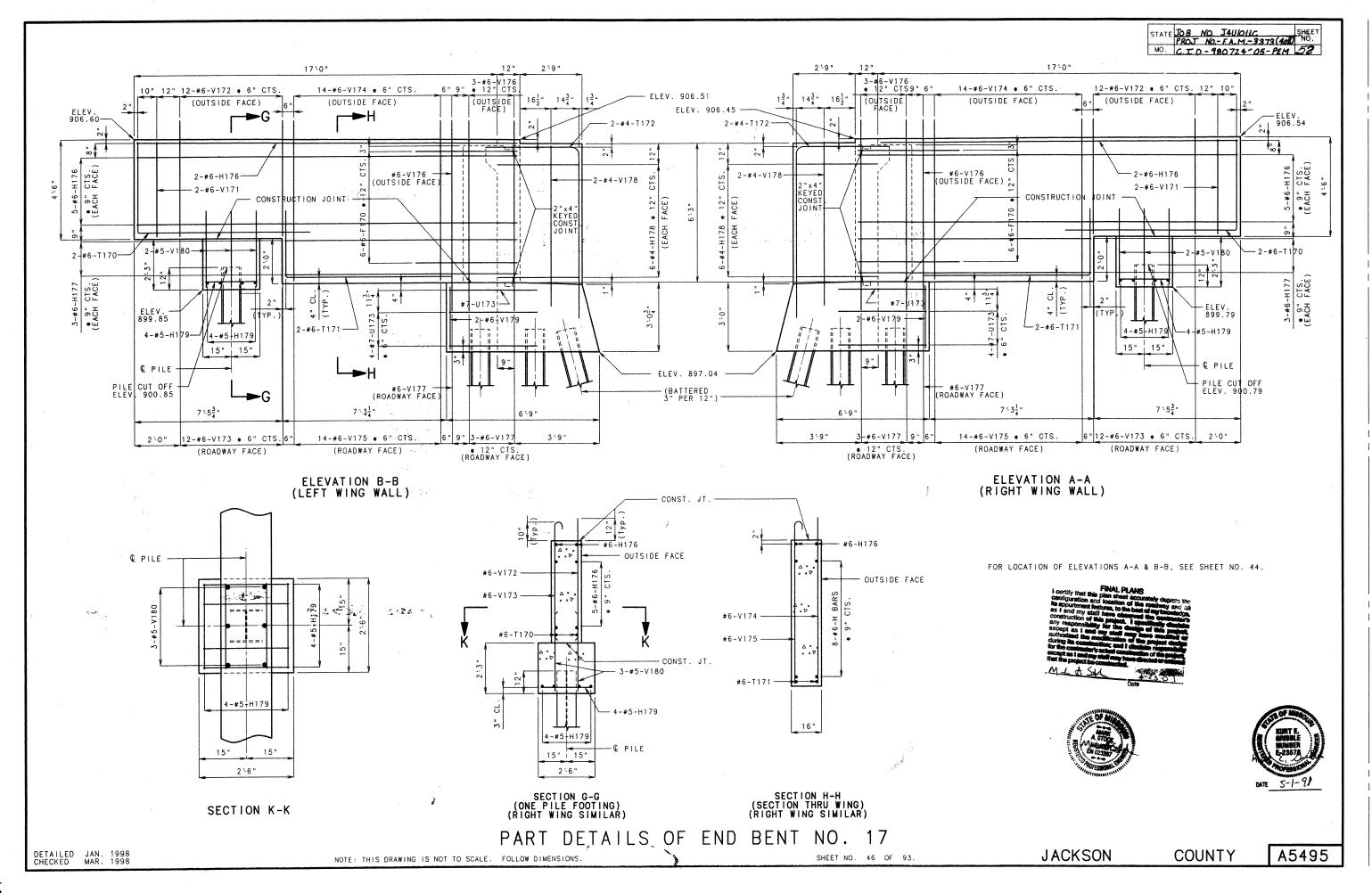
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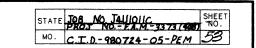
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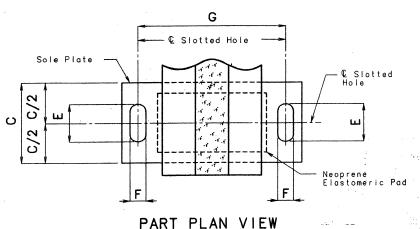
Detailed Oct. 1999 Checked Oct. 1999

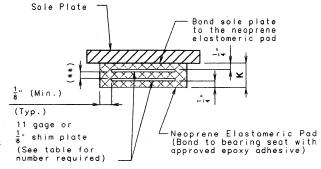












NEOPRENE ELASTOMERIC PAD

(**) Layers of $\frac{1}{2}$ " elastomer alternating with 11 gage or $\frac{1}{8}$ " steel shim plate.

GENERAL NOTES:

 $1\frac{5}{16}$ " (Typ.)

Anchor bolts shall be 1 diameter ASTM A709 Grade 50W steel swedged bolts and shall extend 2 into the concrete with A194-2, 2H, or A563-C, C3, D, DH, DH3 heavy hexagon nuts. Actual manufacturer's certified mill test reports (chemical and mechanical) shall be provided. Swedging shall be 1" less than extension into the concrete.

All structural steel for anchor bolts and heavy hexagon nuts shall be coated with a minimum of two coats of inorganic zinc primer (5 mils minimum) or galvanized in accordance with ASTM A153.

Neoprene Elastomeric Pads shall be 60 Durometer. The neoprene pad shall be bonded to the bearing seat with an epoxy adhesive as approved by the bearing manufacturer for bonding neoprene to concrete.

The sole plate shall be furnished with the bearing and field welded to the girders.

Structural steel for the sole plate shall be ASTM A709 Grade 36 and shall be coated with a minimum of 2 coats of inorganic zinc primer (5 mils minimum).

And Sweet Co

 $\mathbb{C} = \frac{9}{16}$ \emptyset Hole for $\frac{1}{2}$ \emptyset

The accepted quantity of the elastomeric bearing assemblies, complete-in-place, will be paid for at the contract unit price for Laminated Neoprene Bearing Pads, (prestress structures), each.

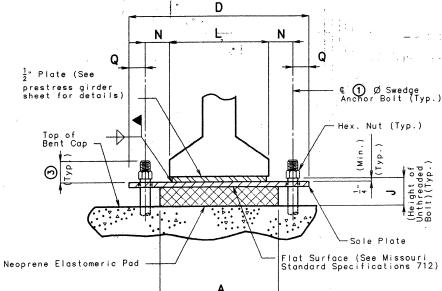
Payment for the sole plate, anchor bolts and heavy hexagon nuts shall be included in the cost of the bearing assembly. See Special Provisions.

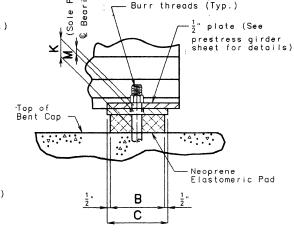
Provide a 1/2" stopper plate to prevent the loss of support due to creeping of neoprene bearings from under girders at expansion bearings.

Payment for all galvanized material shall be included in the cost of laminated neoprene bearing pads, (prestressed structures), each.



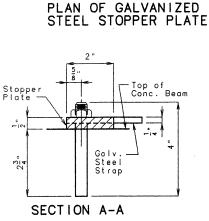
ELEVATION OF GALVANIZED STEEL STOPPER PLATE



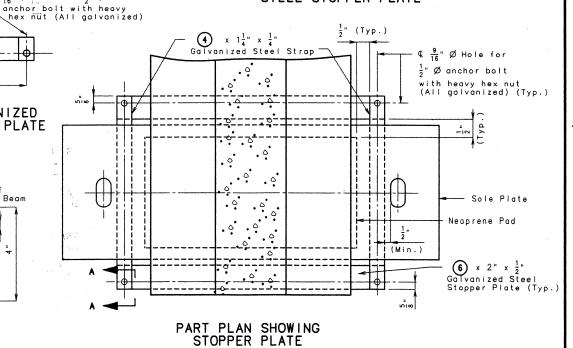


SIDE VIEW

(Typ.)



(5)



END VIEW



G

 $5\frac{1}{2}$ "

64"

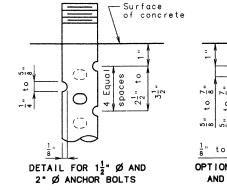
5 "

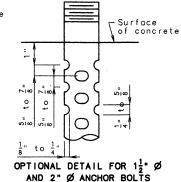
5 "



TOTAL BEARINGS

45





SWEDGE ANCHOR BOLT DETAILS

① $1\frac{1}{2}$ " (Bent No. 5 (Span 4-5)), 2" (Bents No. 6, 10, 12, & 16)

- (2) 15" (Bent No. 5 (Spon 4-5)), 18" (Bents No. 6, 10, 12, & 16)
- 3 $2\frac{1}{4}$ " (Bent No. 5 (Span 4-5)), $2\frac{1}{2}$ " (Bents No. 6, 10, 12, & 16)
- (4) 17" (Bent No. 5 (Span 4-5)) 18" (Bents No. 6, 10, 12, & 16)
- (5) $20\frac{1}{4}$ "(Bent No. 5 (Span 4-5)) $2^{\frac{3}{4}}$ " (Bents No. 6, 10, 12, & 16)
- **6** $21\frac{1}{2}$ " (Bent No. 5 (Span 4-5)) 2'4" (Bents No. 6, 10, 12, & 16)



DETAILS OF LAMINATED NEOPRENE BEARINGS

FOR BENTS NO. 5 (SPAN 4-5), 6, 10, 12 & 16 (PRESTRESSED STRUCTURES)

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET NO. 47 OF 93.

JACKSON

COUNTY

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 \Box

BENT NO.

5 SPAN(4-5

10

12

16

DETAILED JAN. 1998

CHECKED MAR. 1998

18"

2 -01

2 -01

2 - 0 1

12"

13"

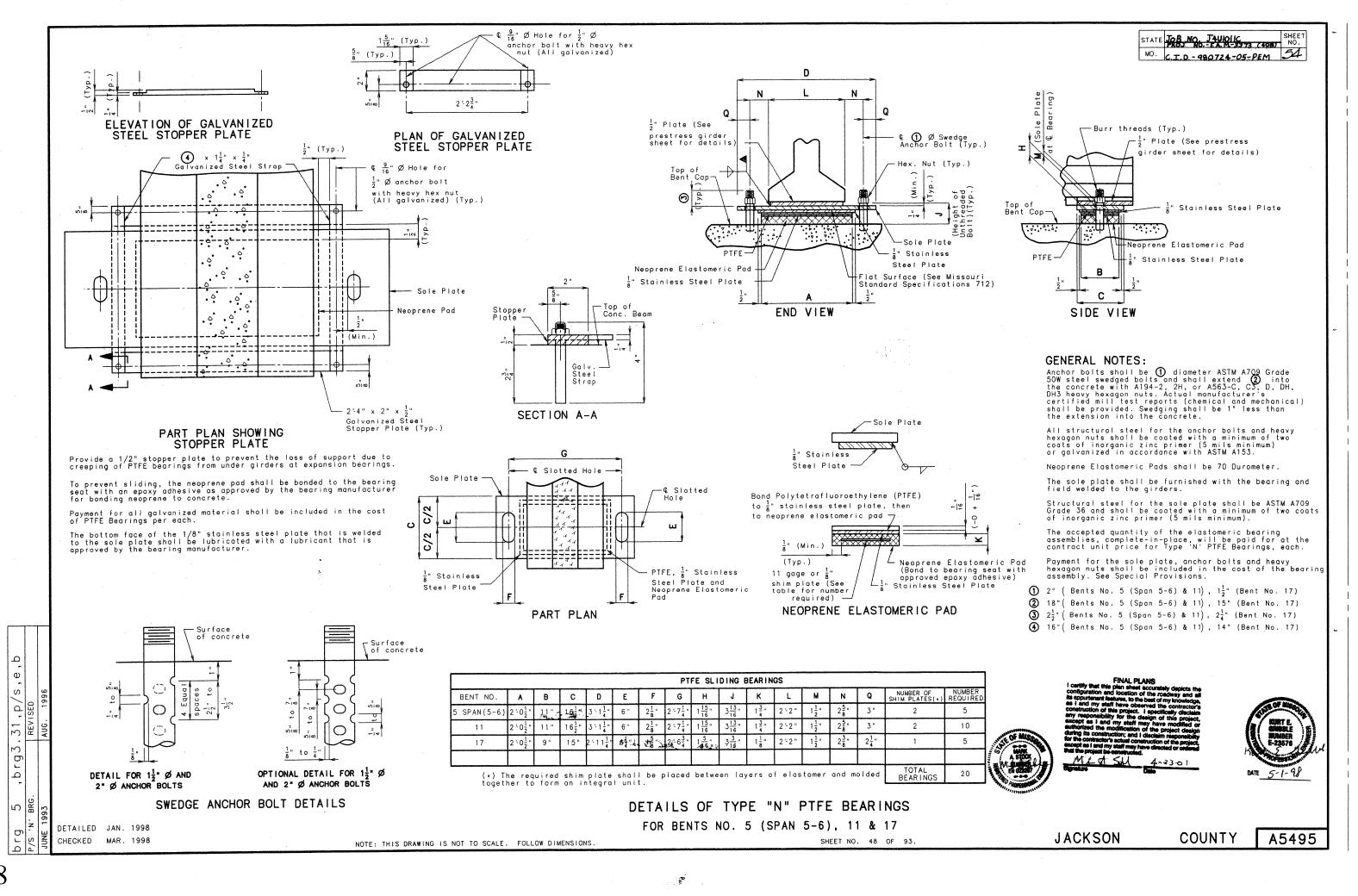
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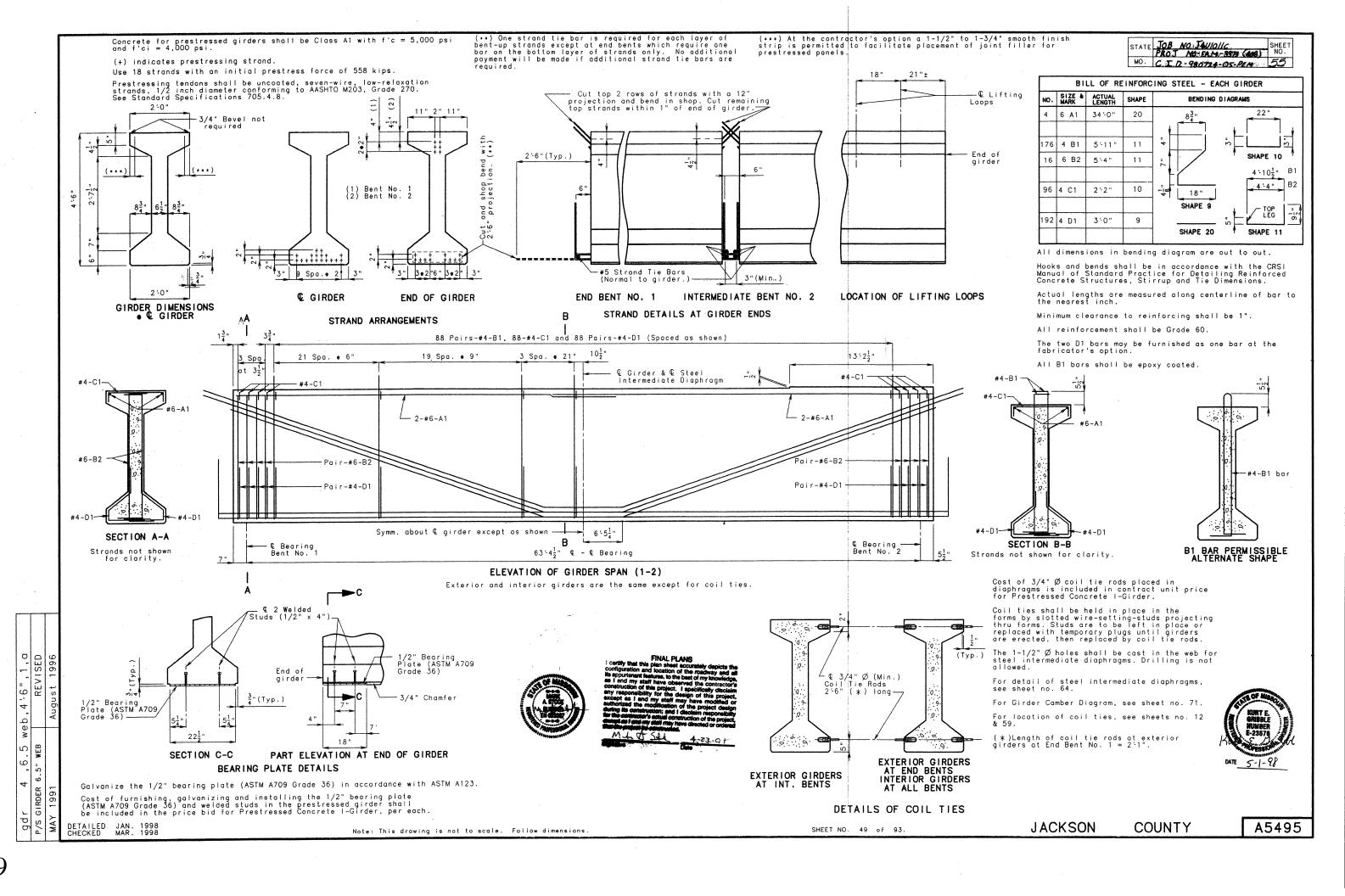
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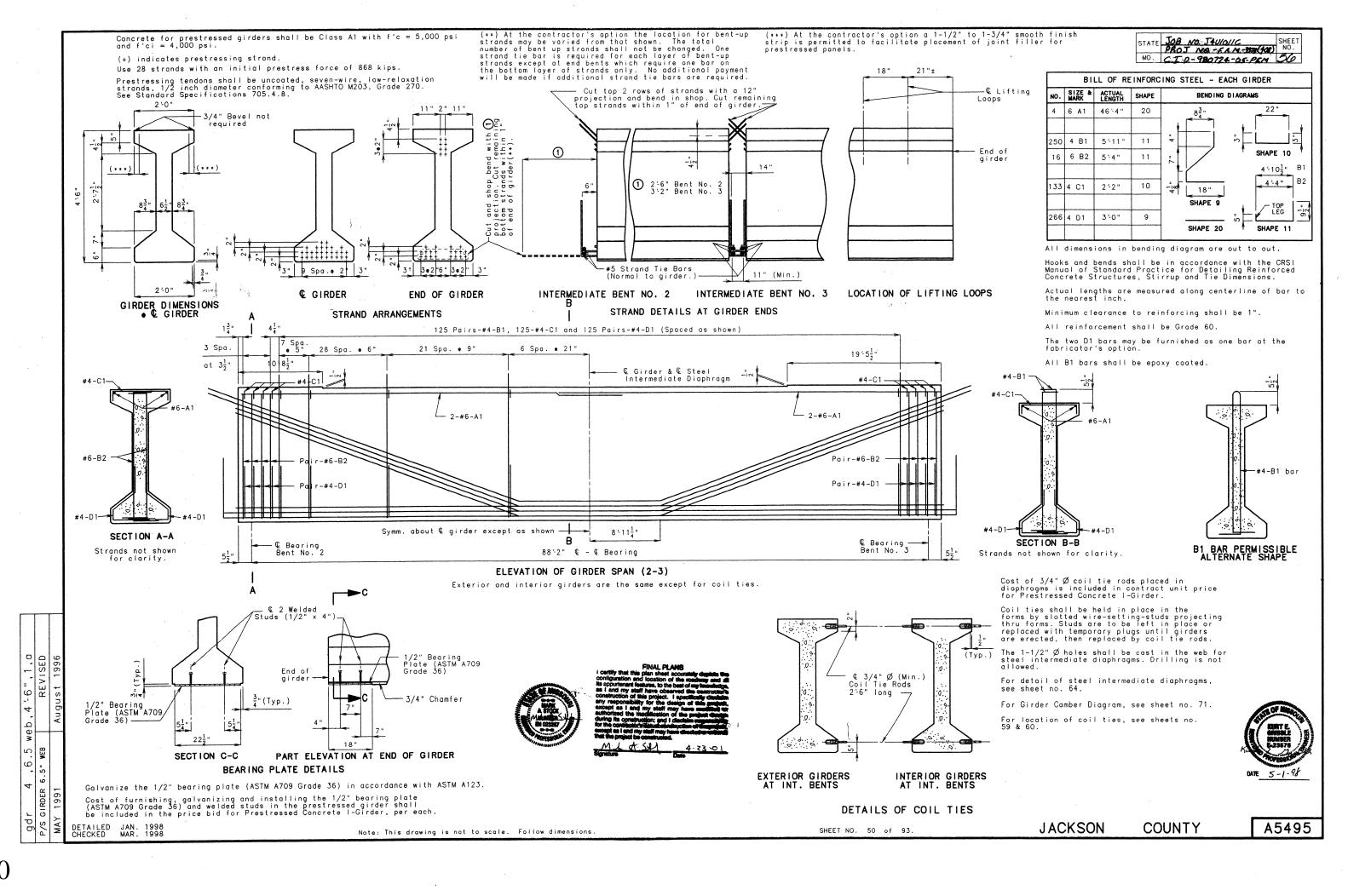
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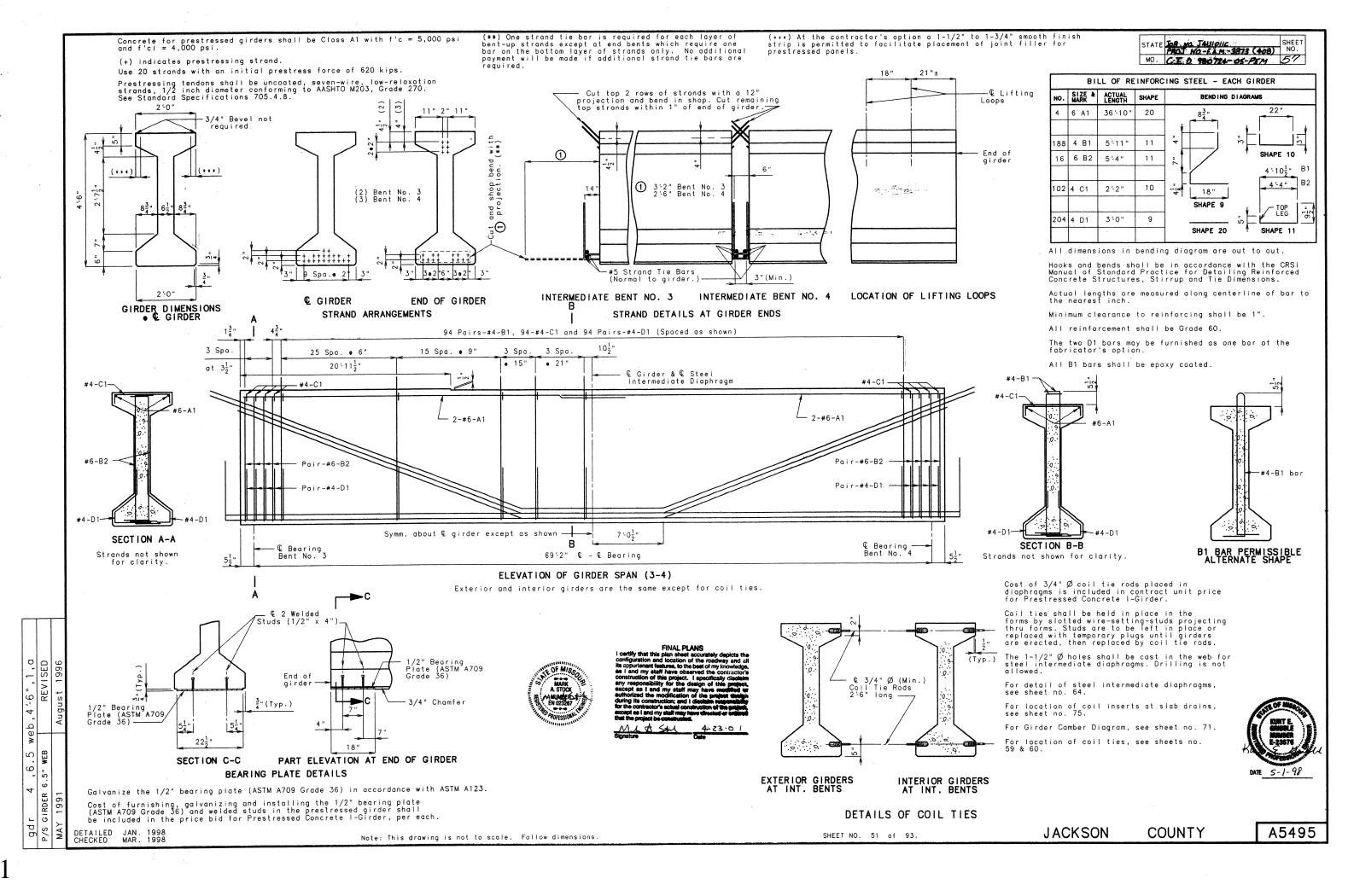
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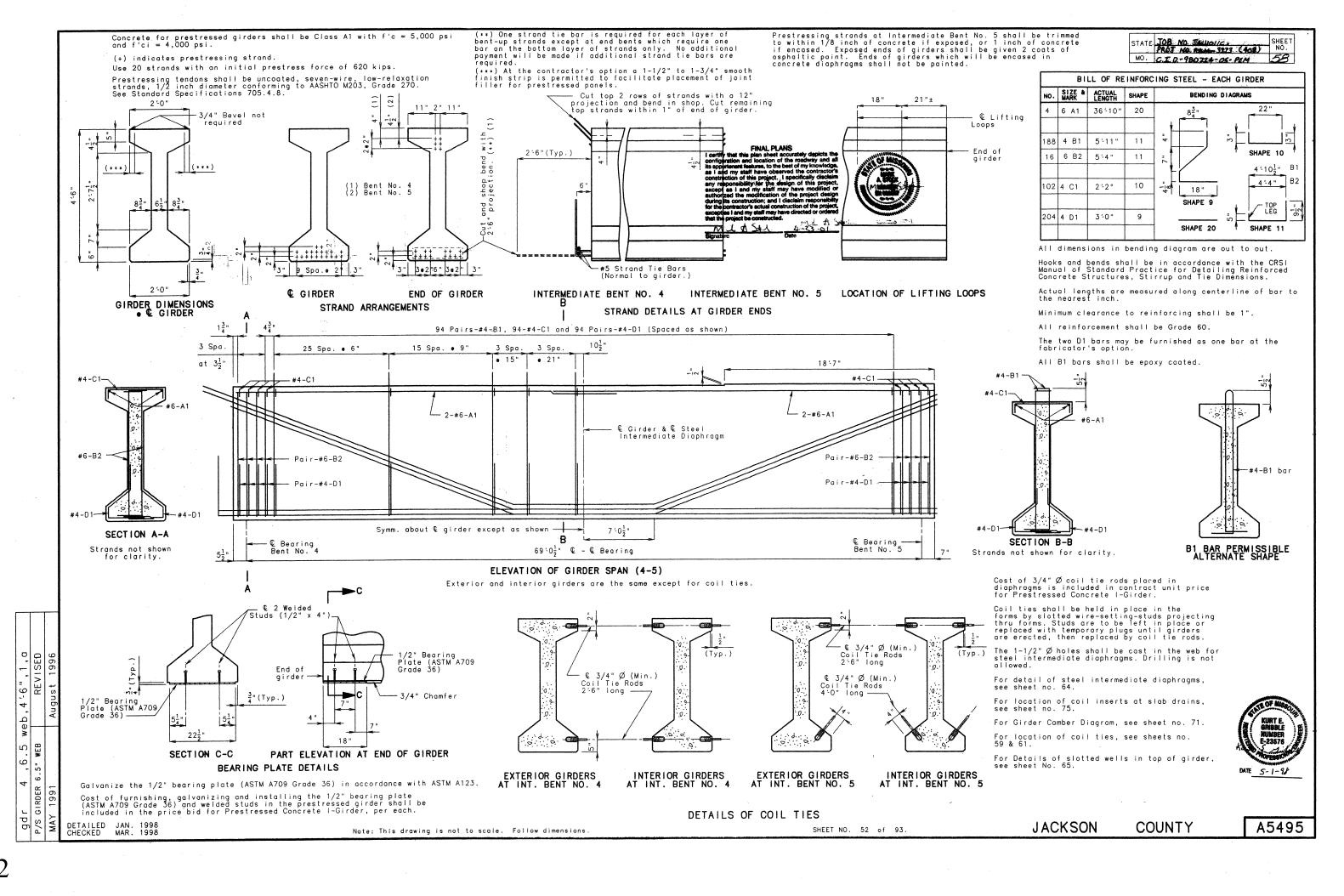
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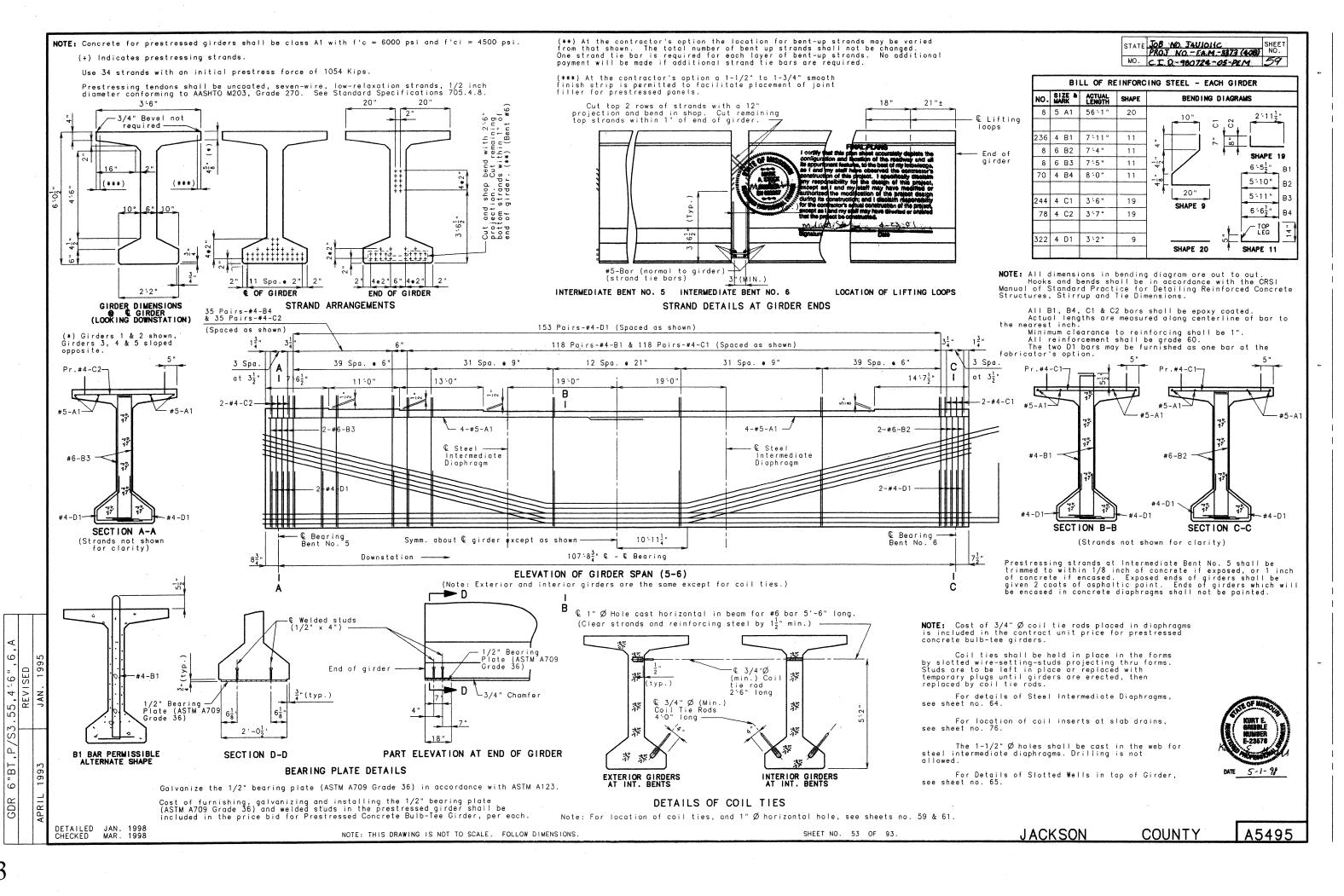


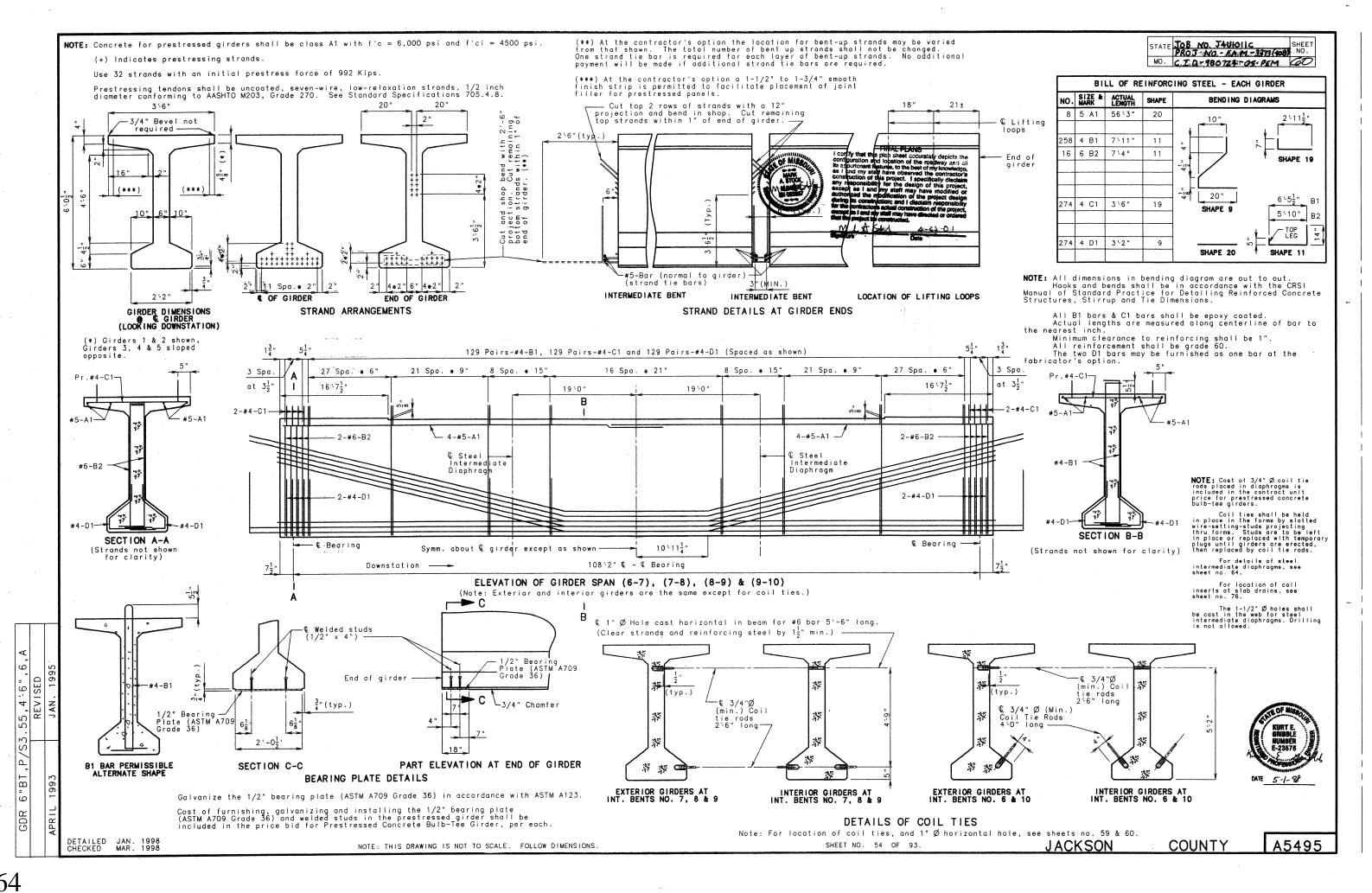


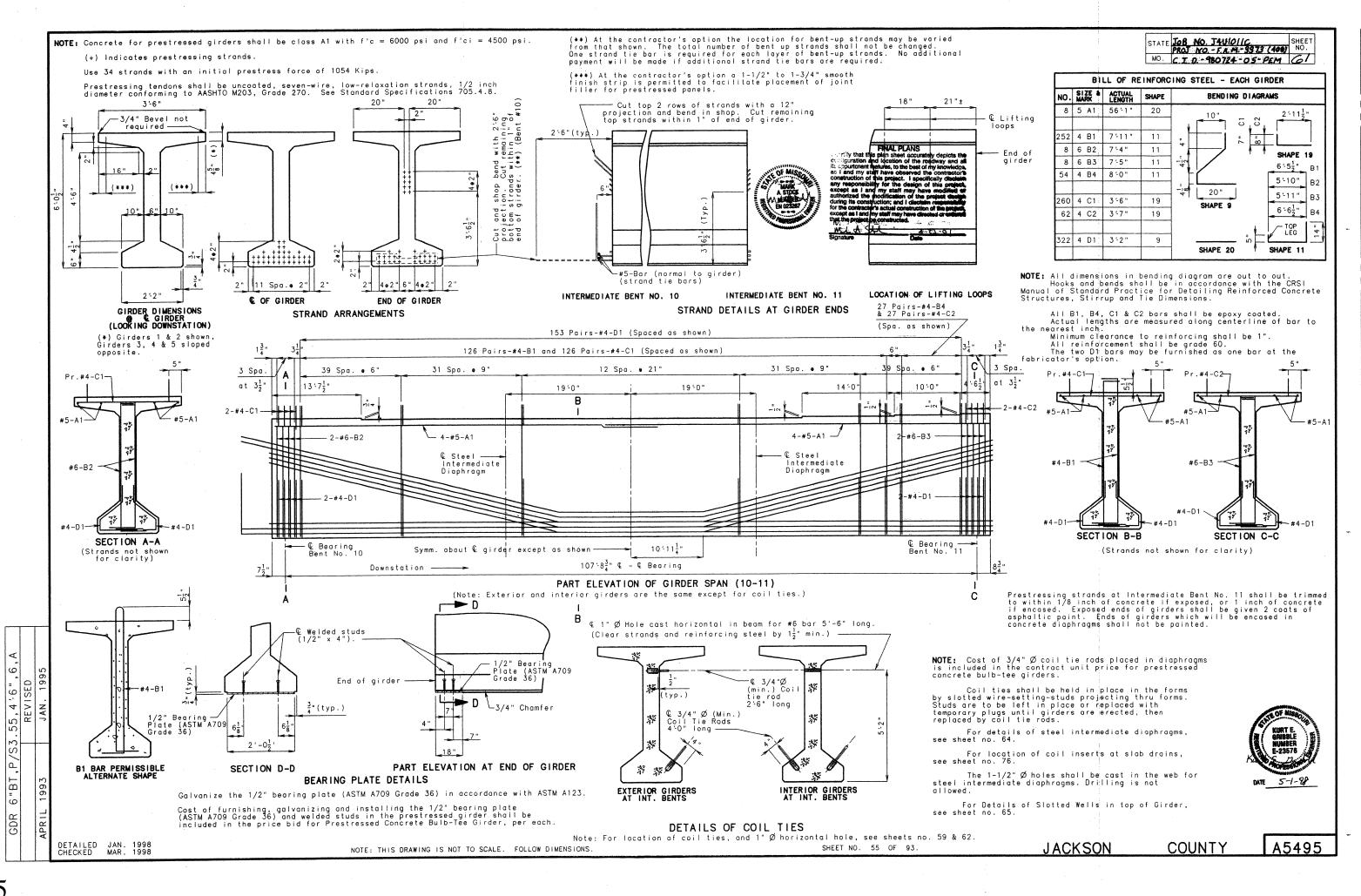


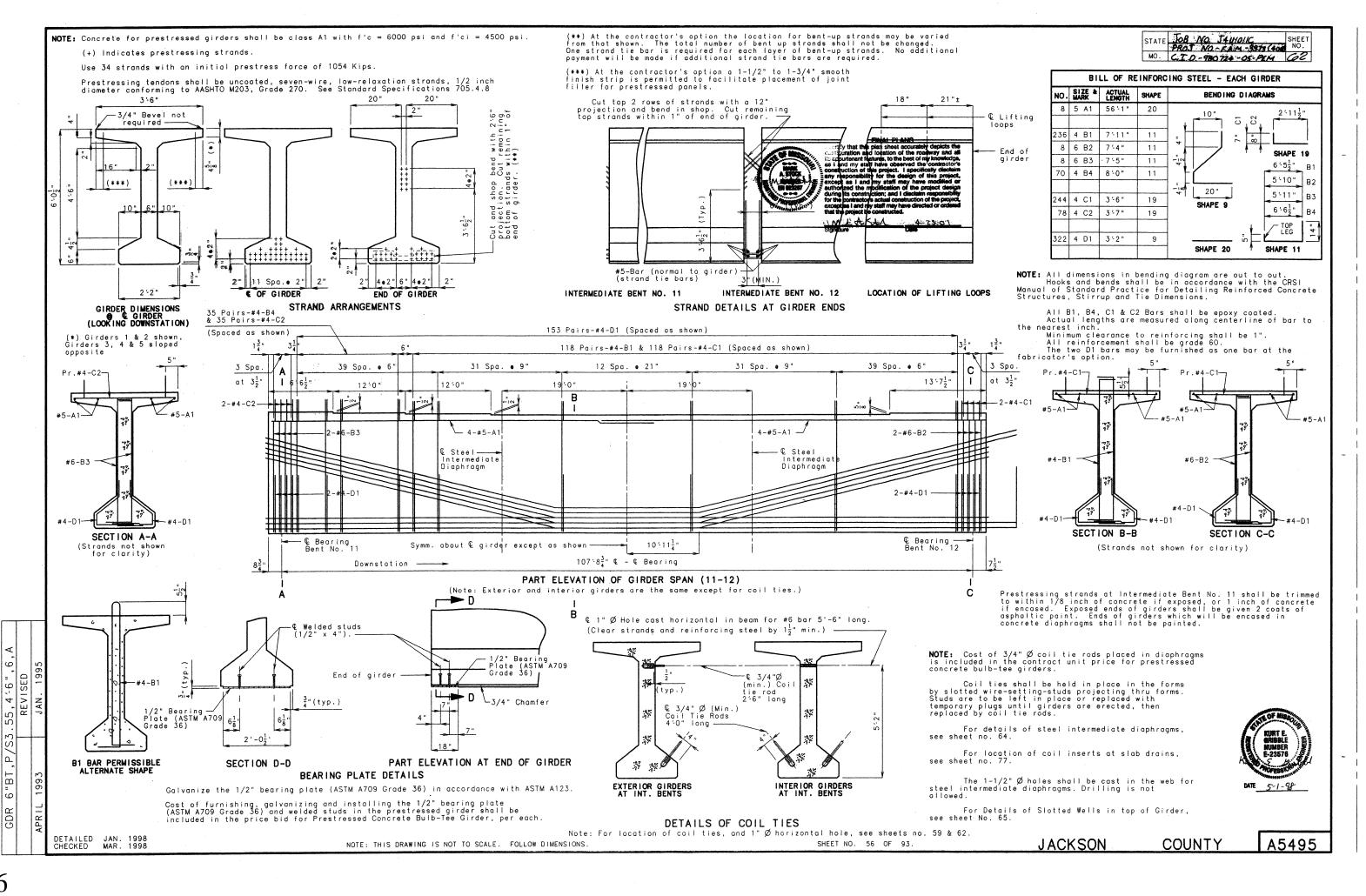


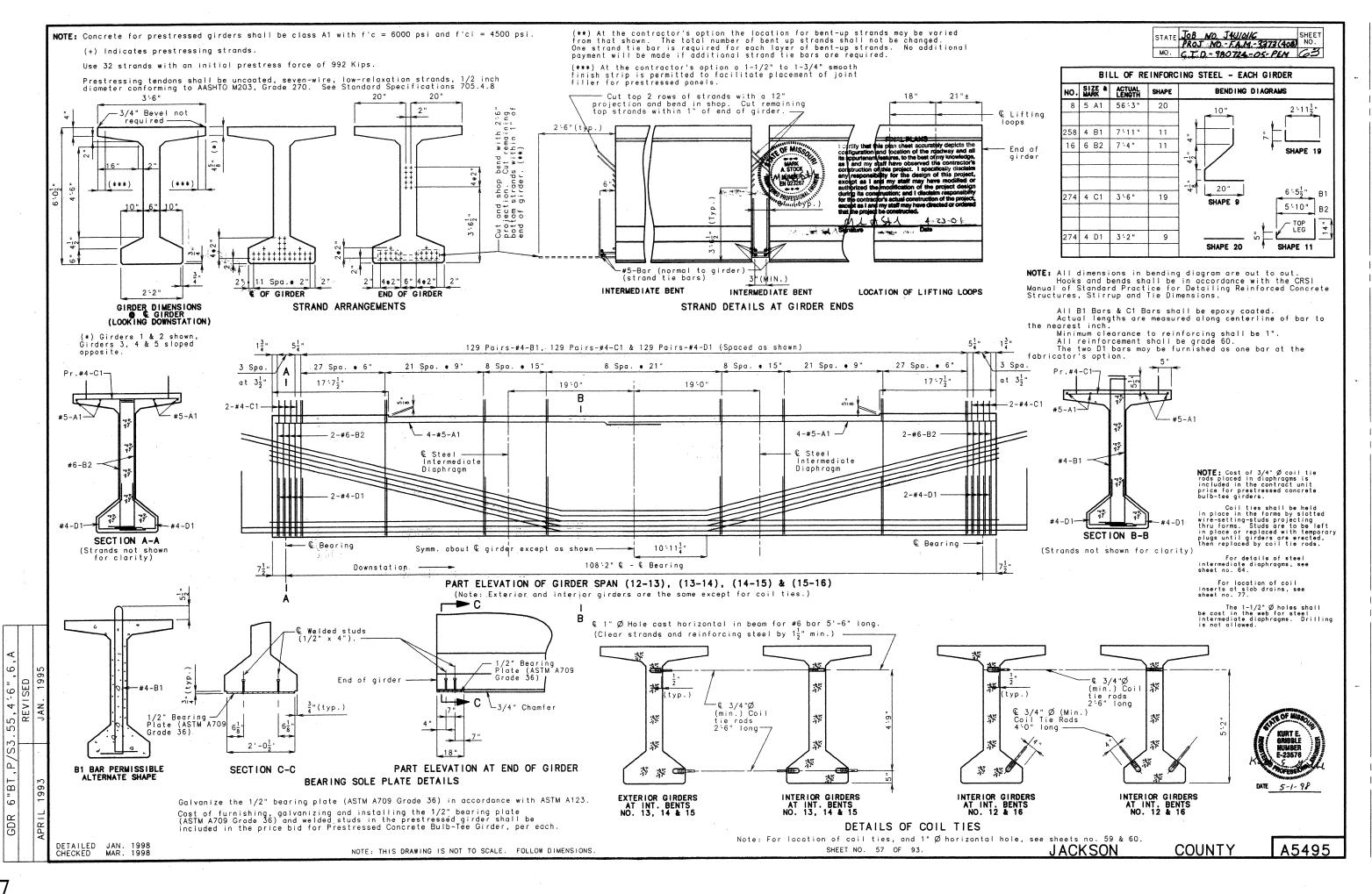


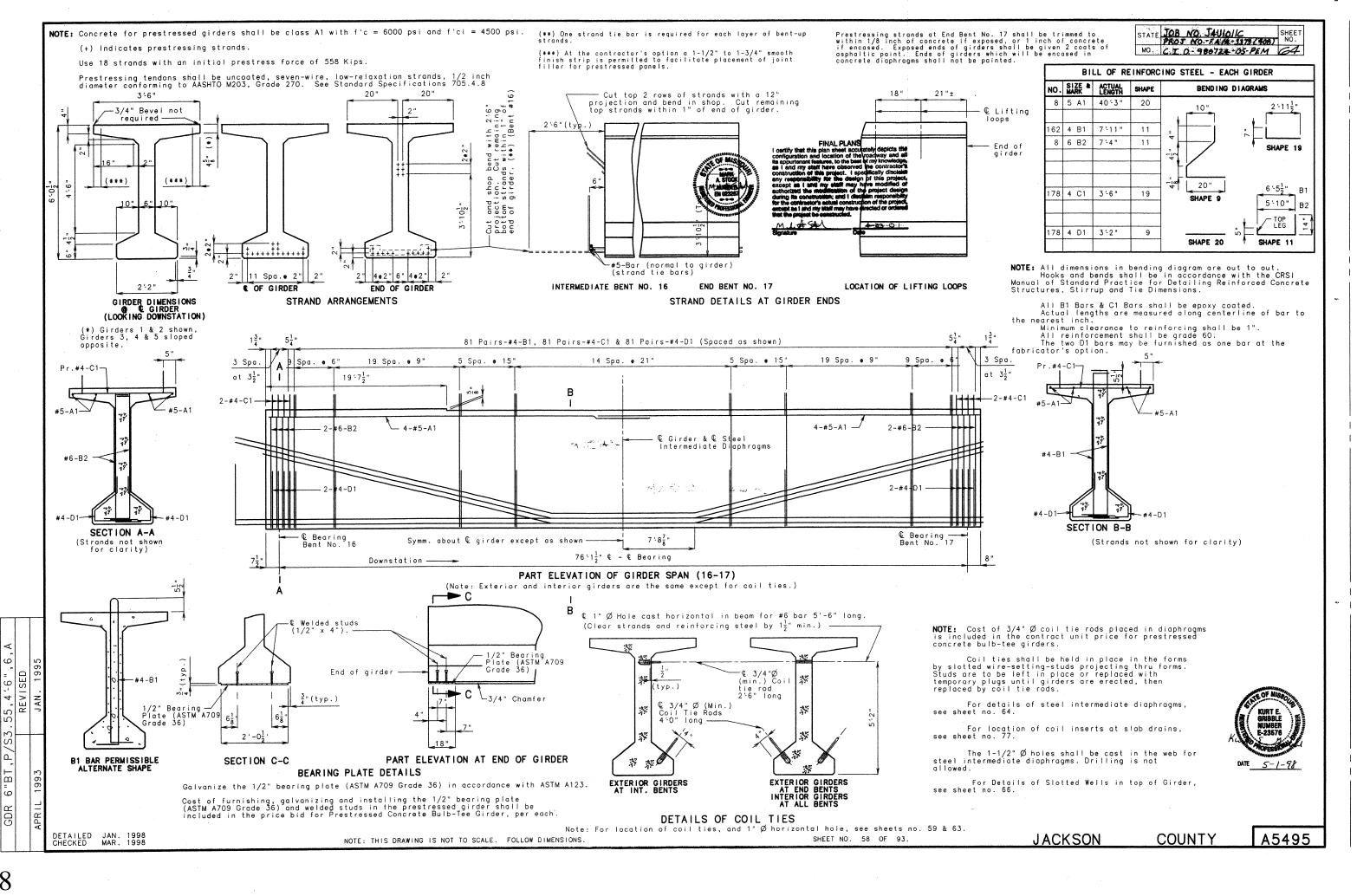


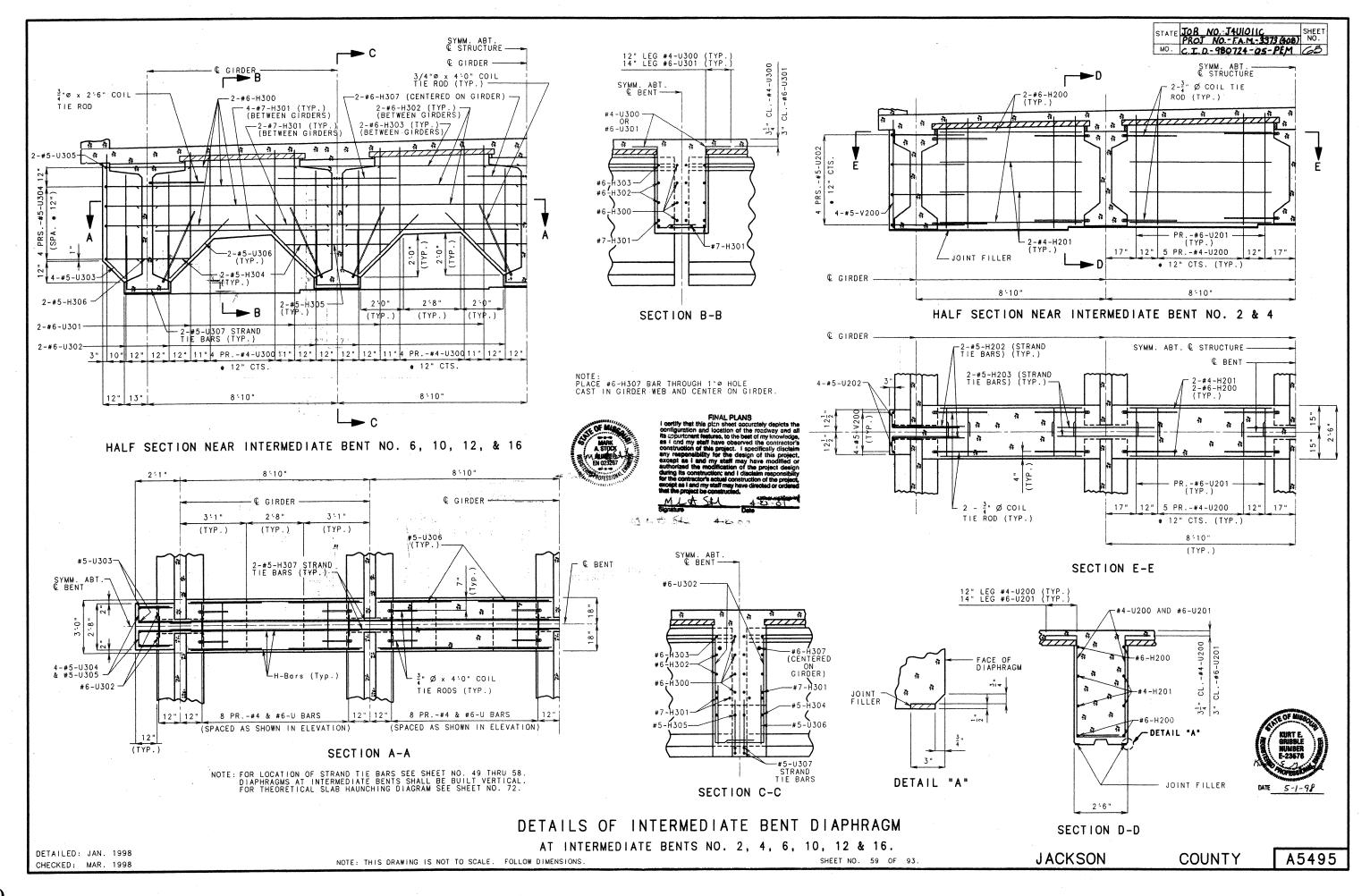


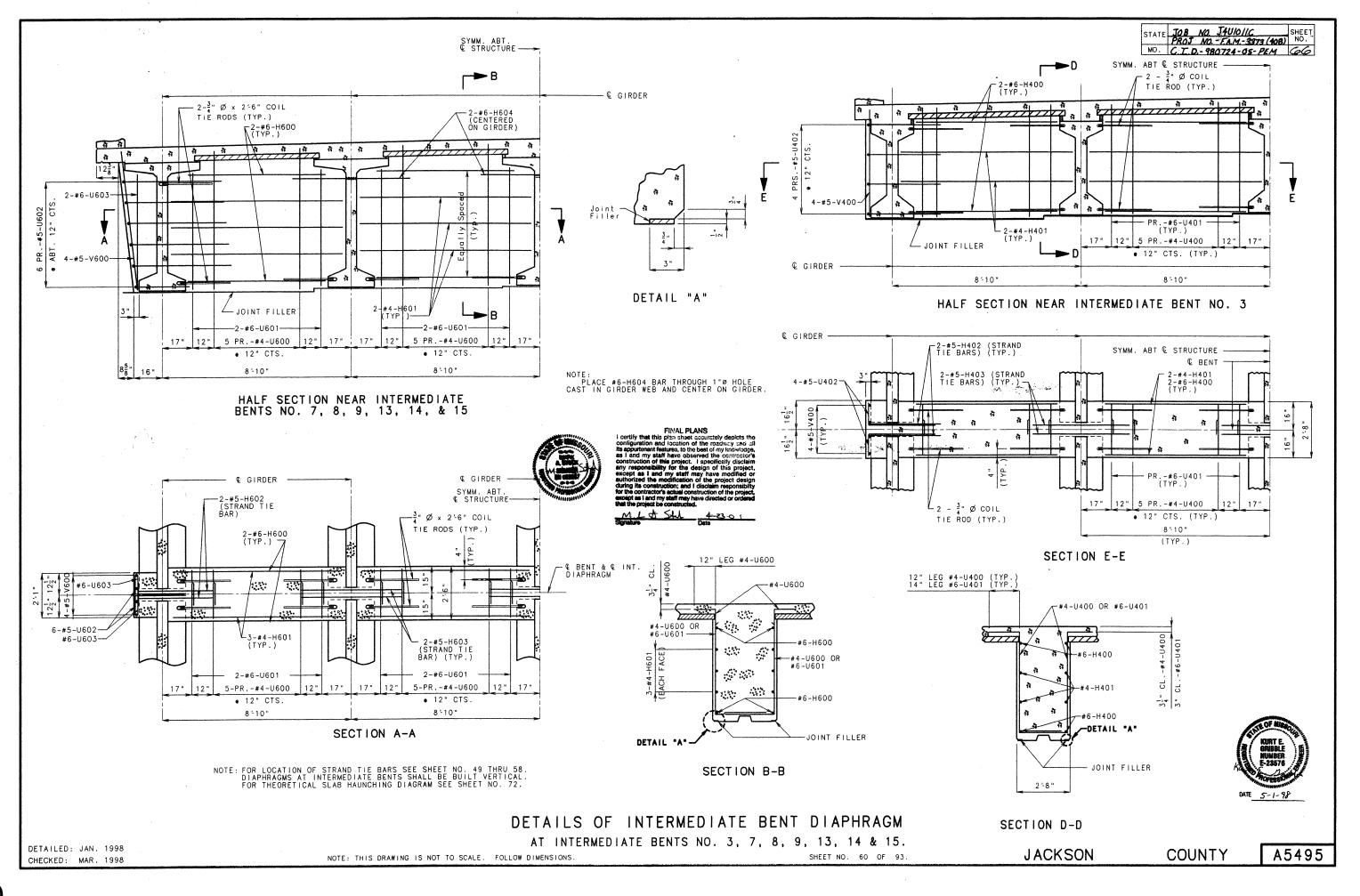


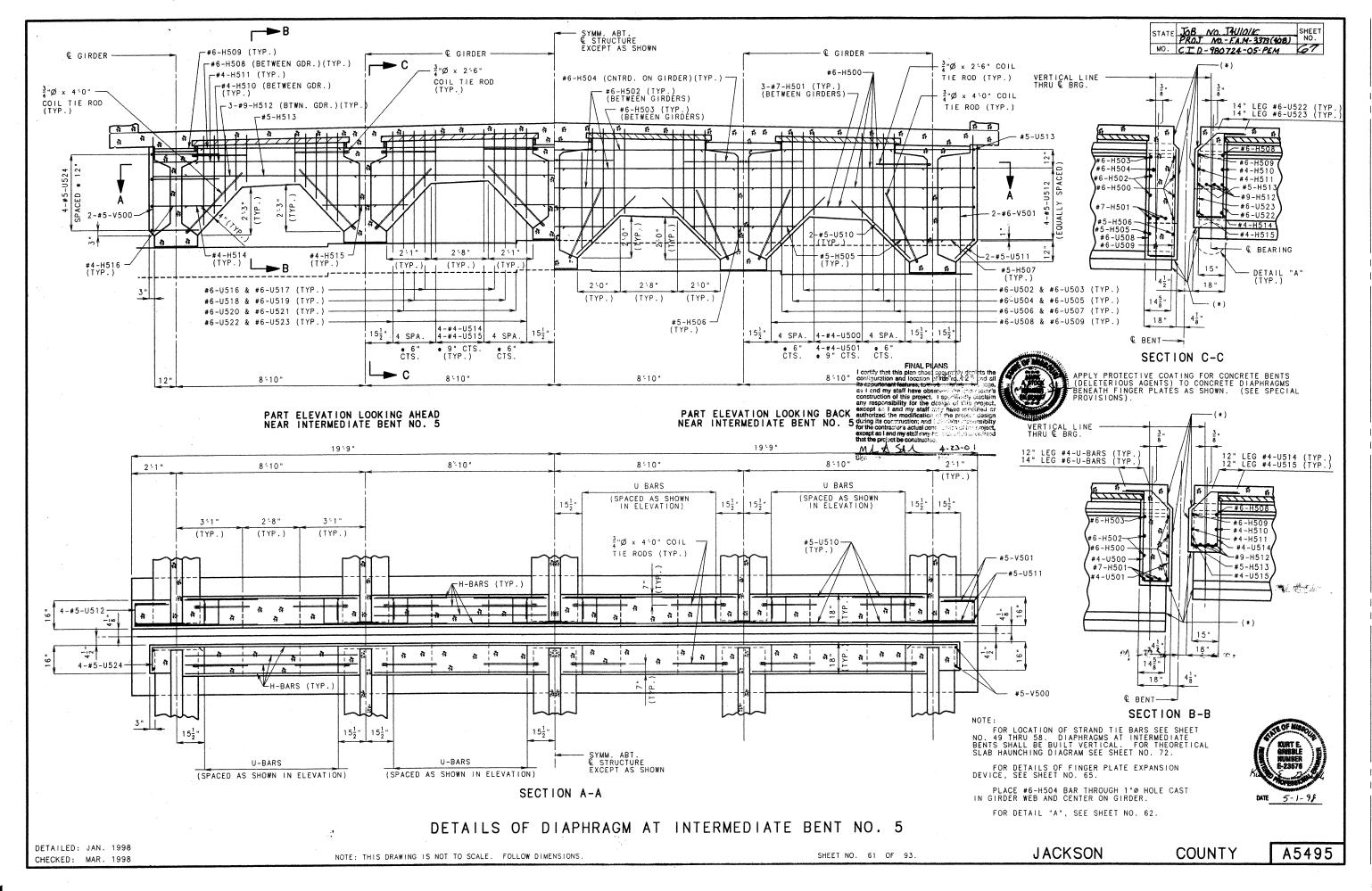


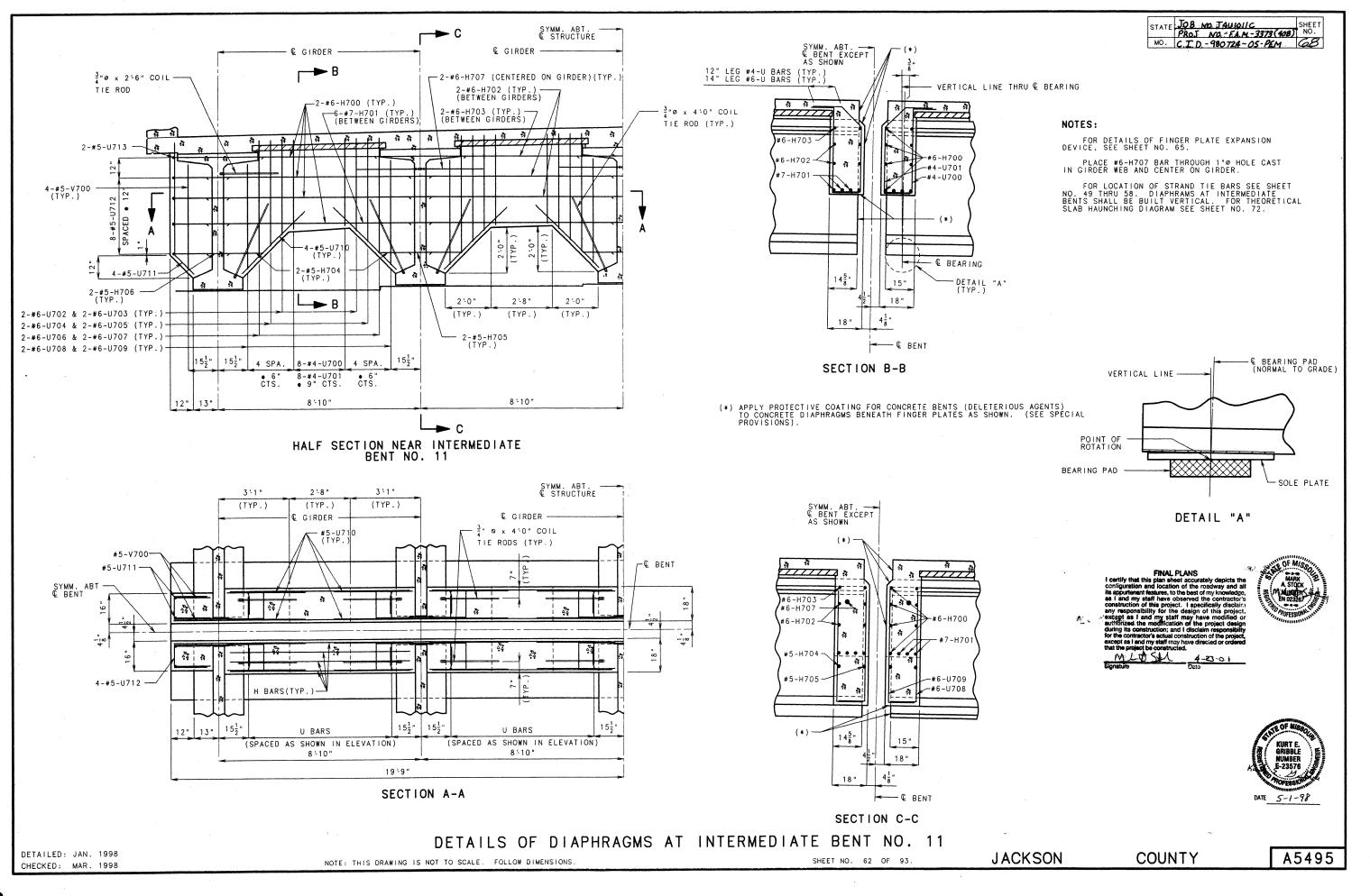


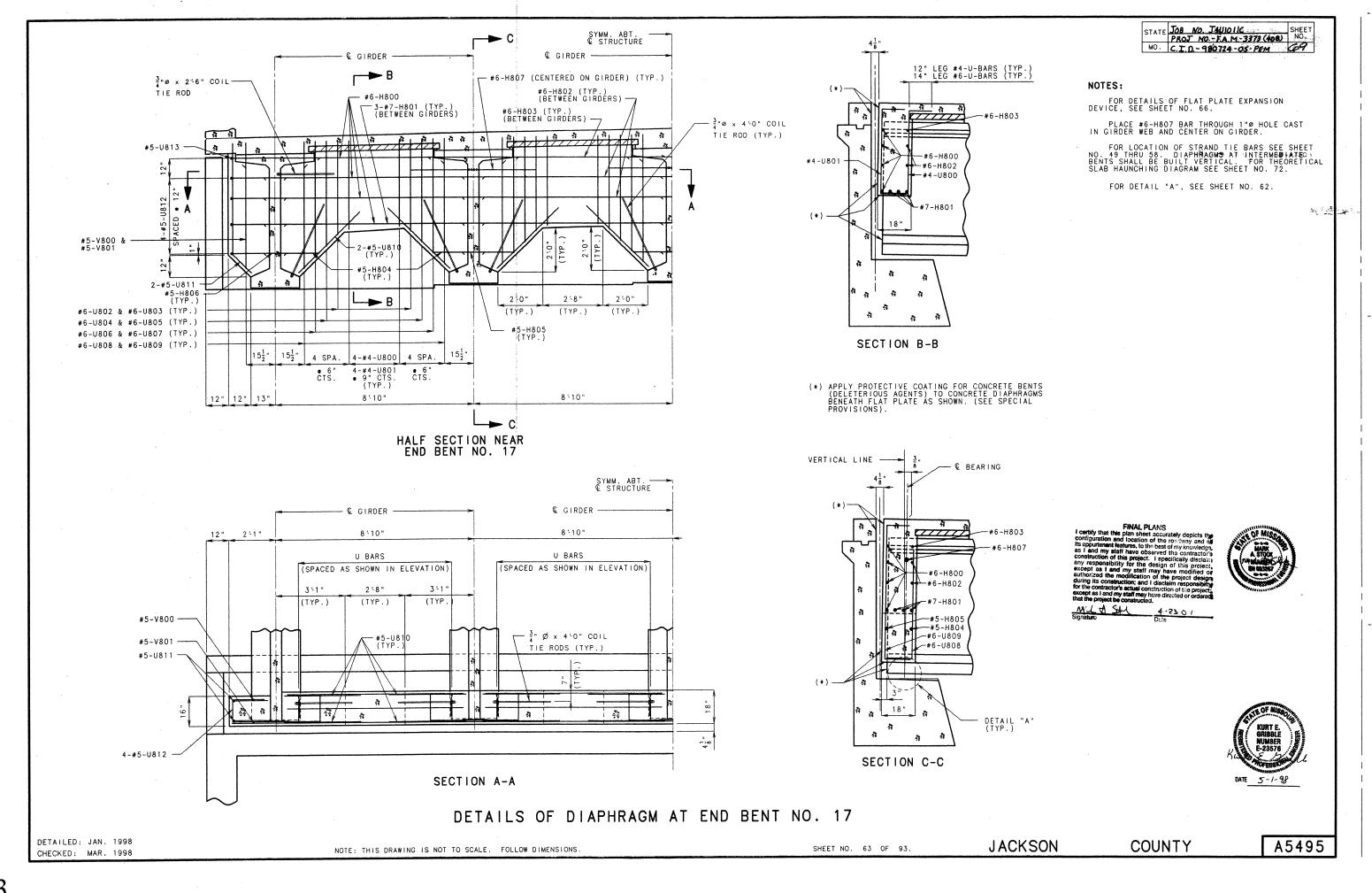


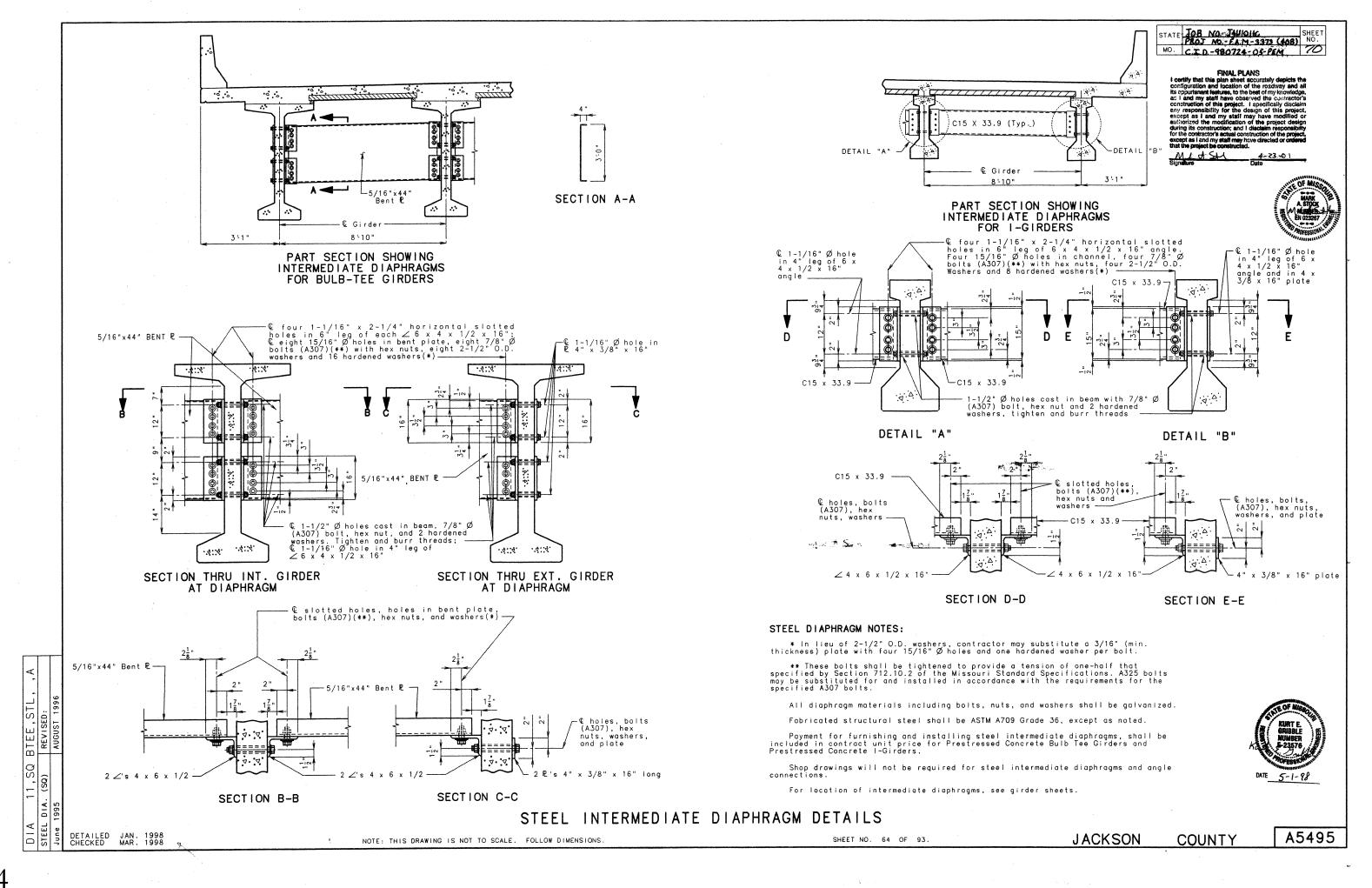


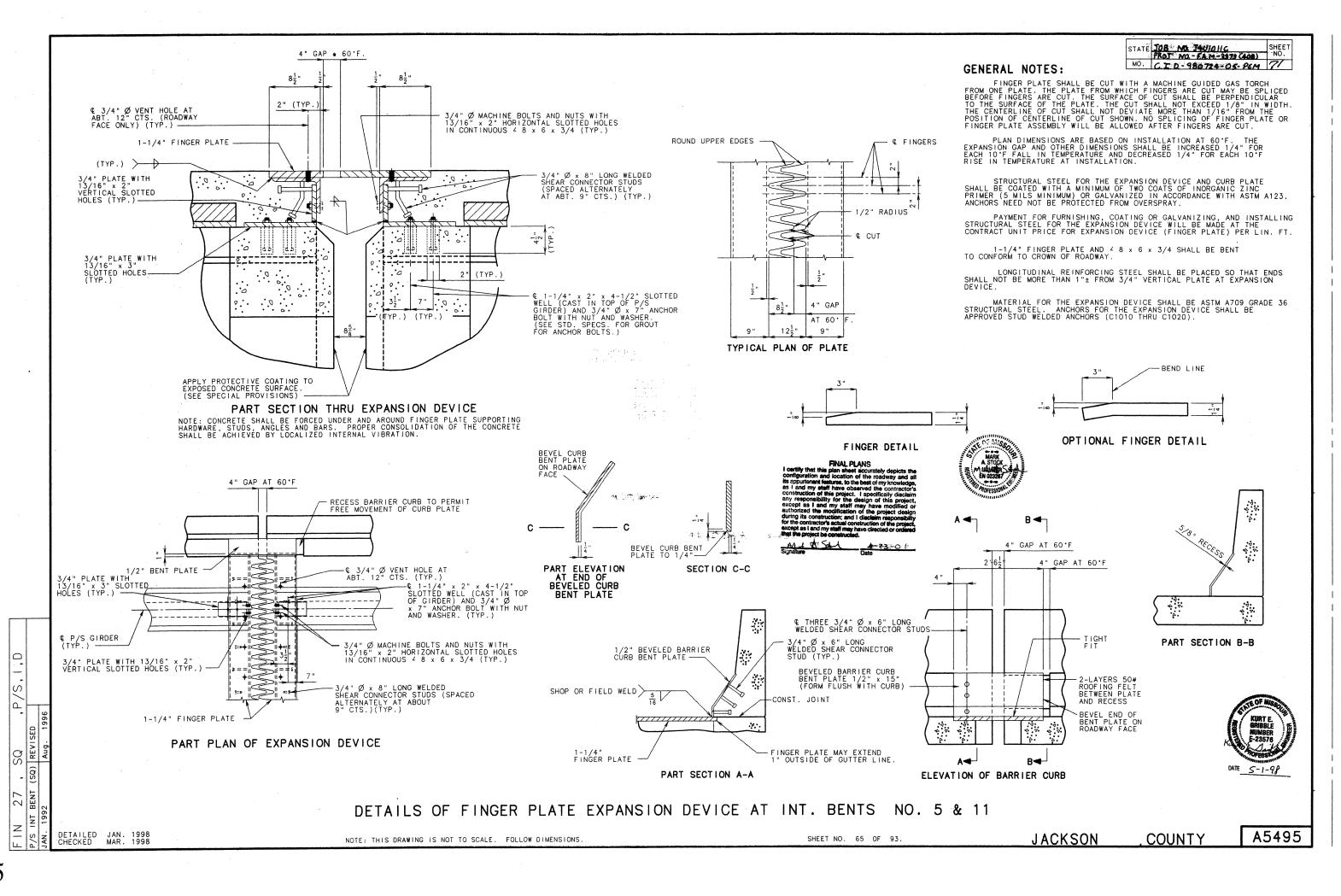


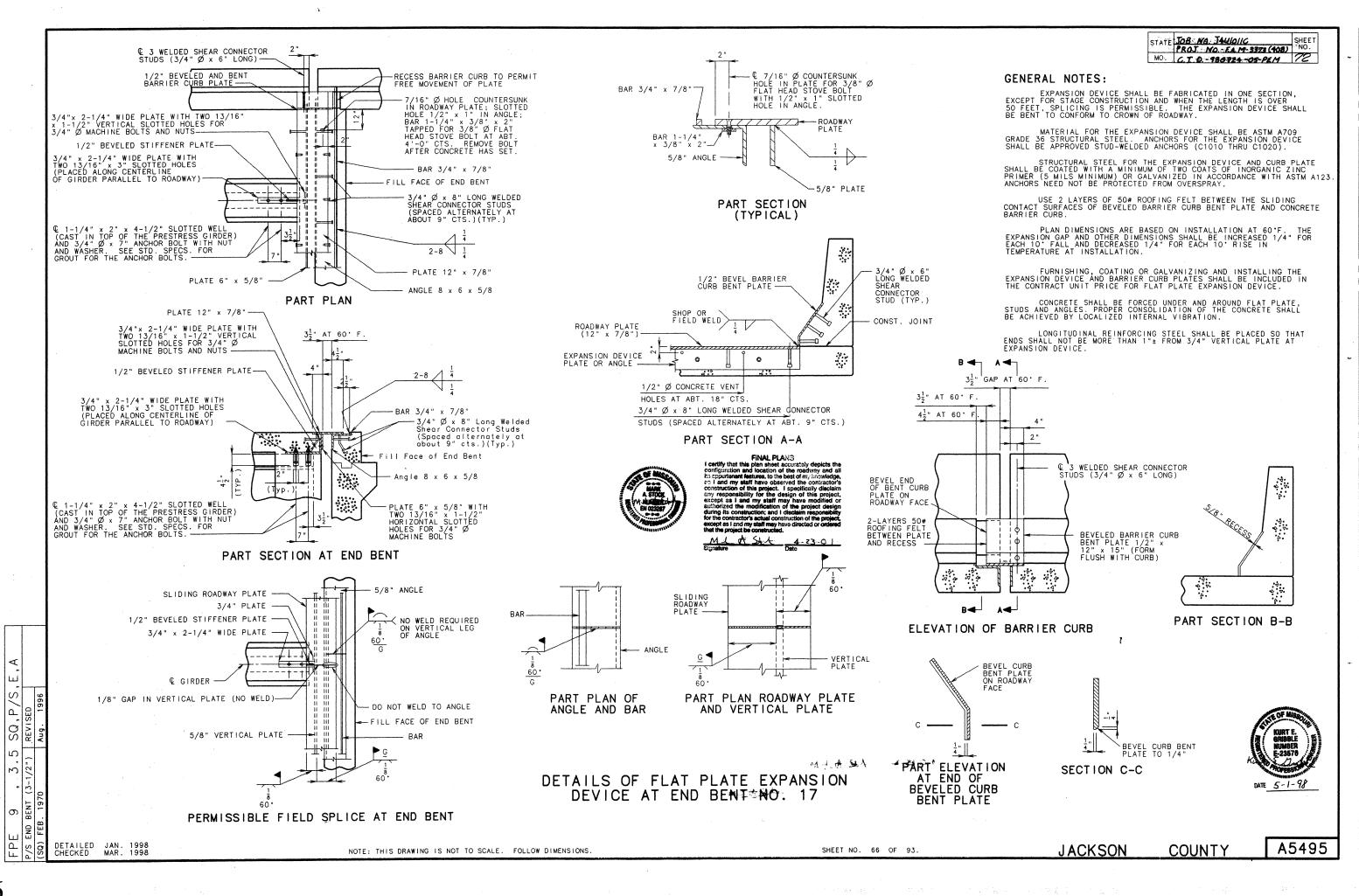


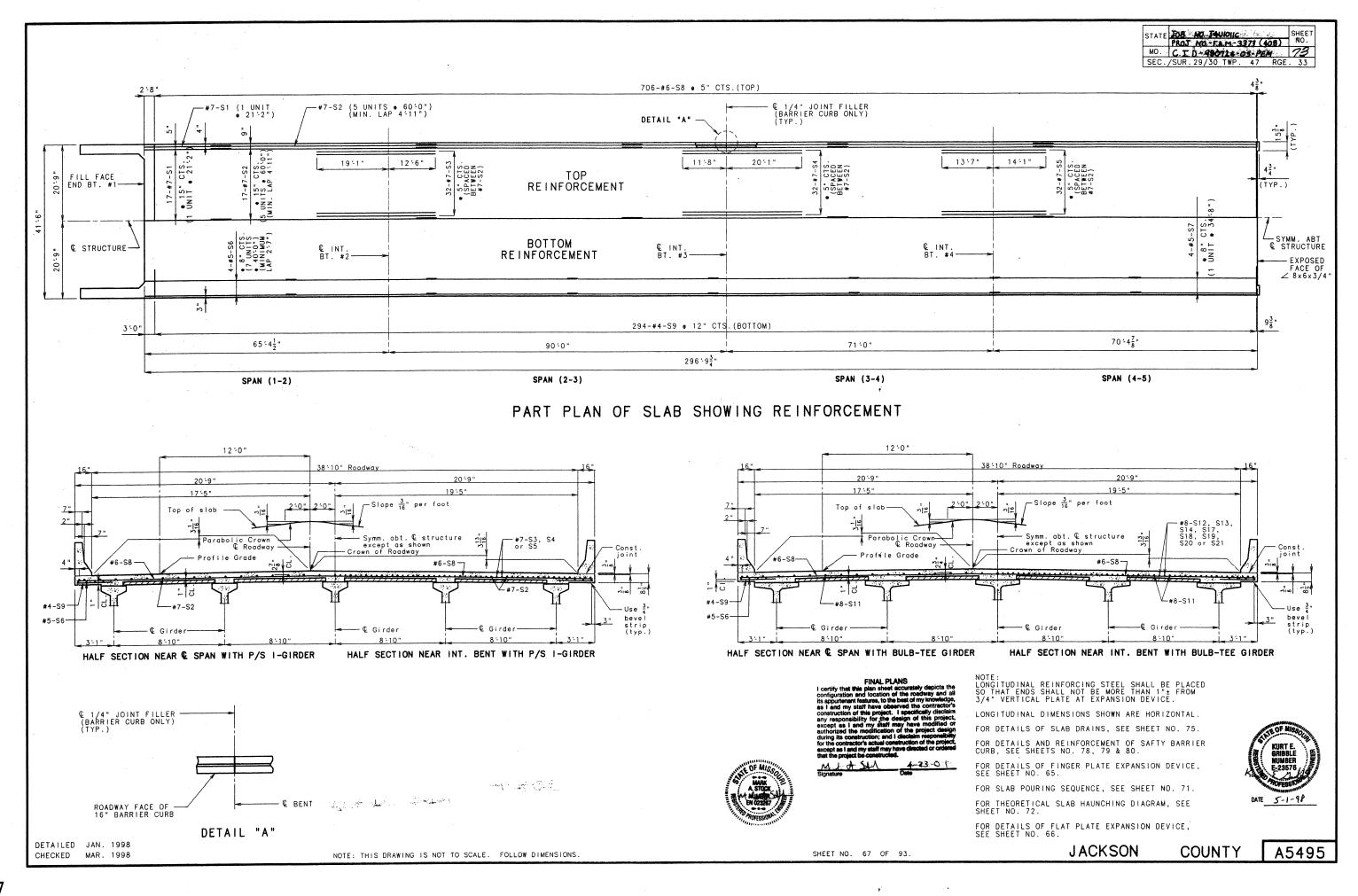


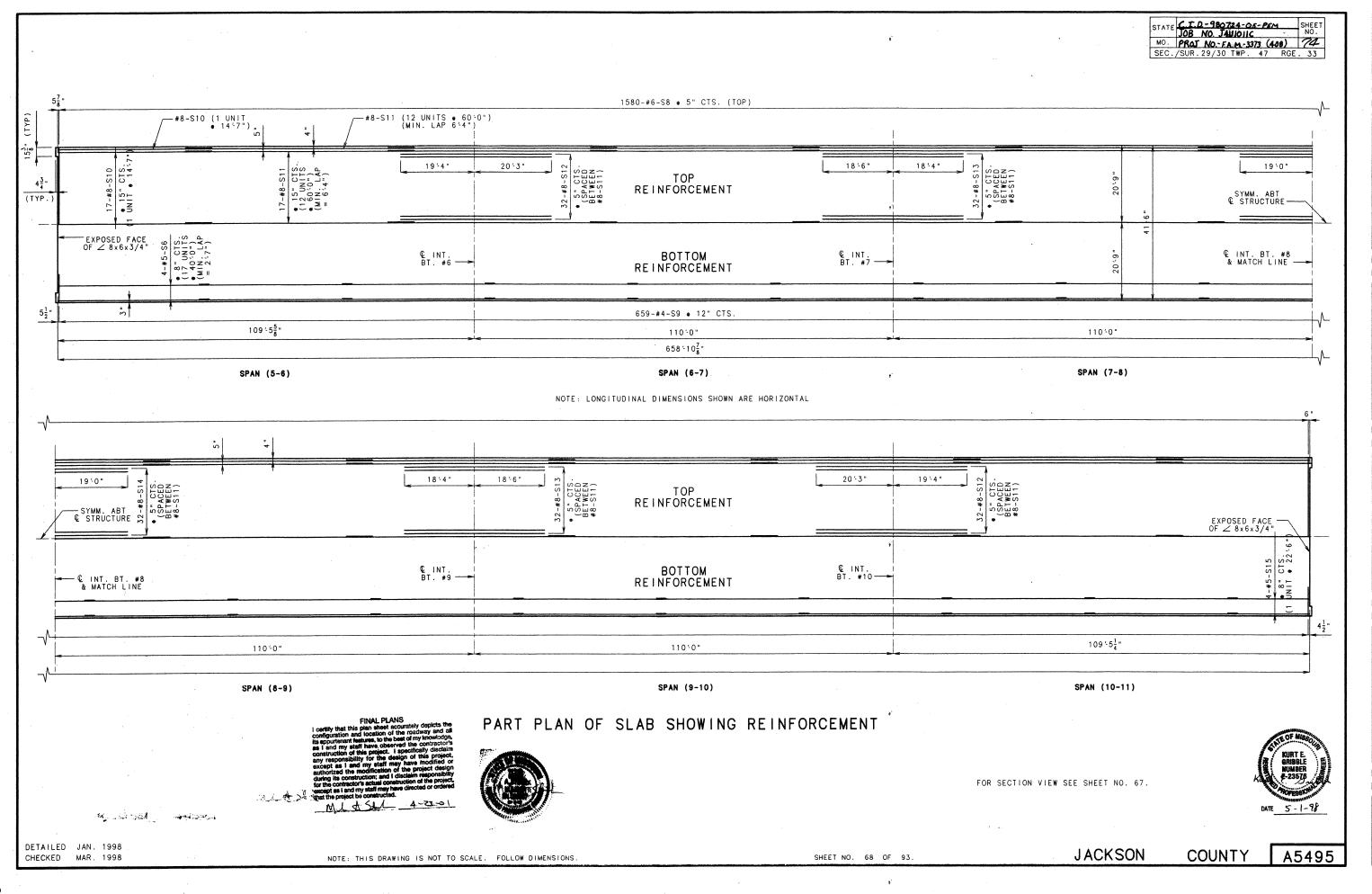


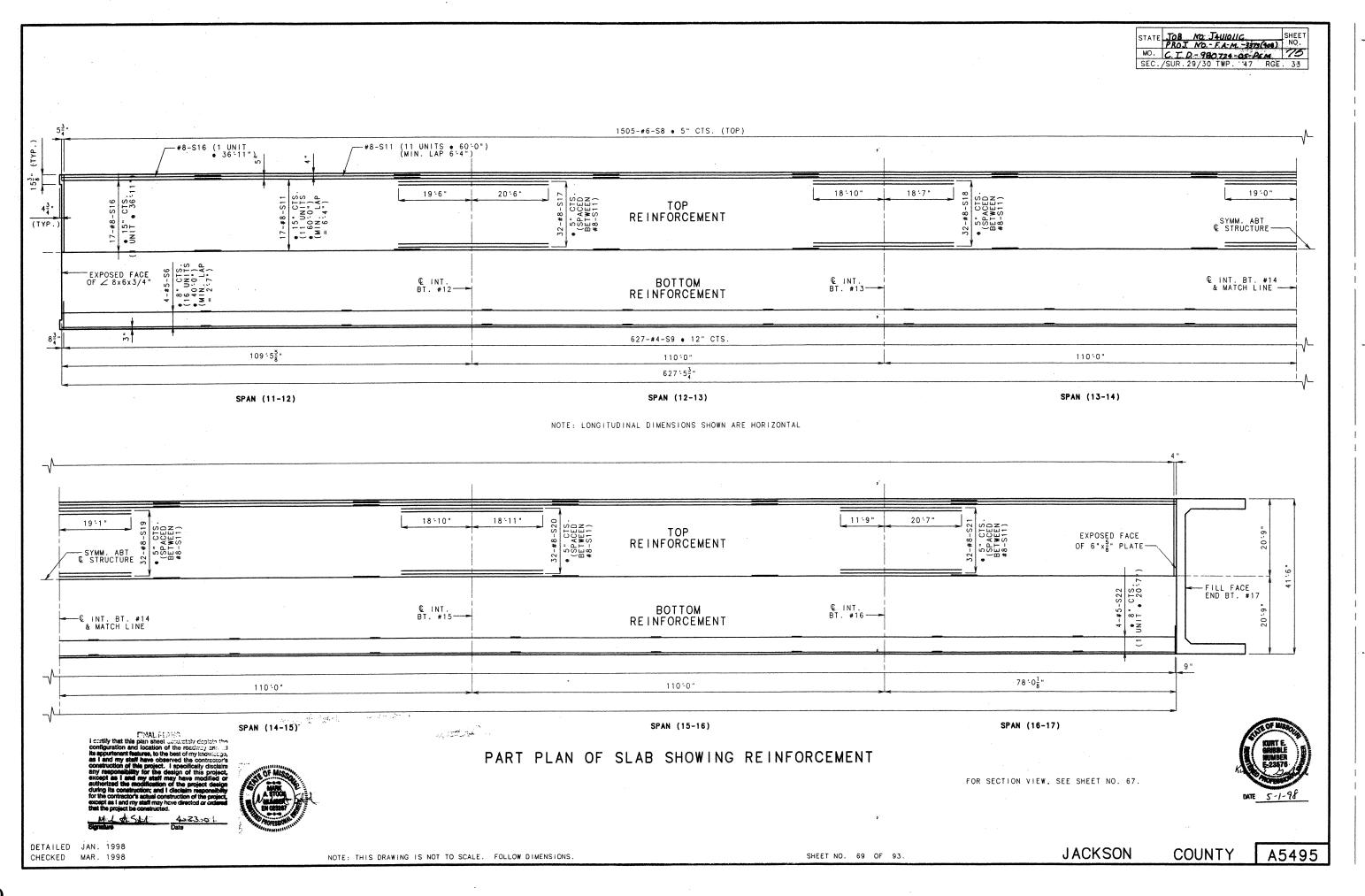


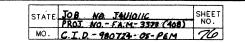














PRESTRESSED PANELS:

CONCRETE FOR PRESTRESSED PANELS SHALL BE CLASS A1 WITH F'C = 5,000 PSI, F'CI = 3,500 PSI.

THE TOP SURFACE OF ALL PANELS SHALL RECEIVE A SCORED FINISH WITH A DEPTH OF SCORING OF 1/8 INCH PERPENDICULAR TO THE PRESTRESSING STRANDS IN THE PANELS (SEE SPECIAL PROVISIONS).

PRESTRESSING TENDONS SHALL BE HIGH-TENSILE STRENGTH UNCOATED FRESHRESTING TENDUNS SHALL BE HIGH-TENSILE STRENGTH UNCOLATED SEVEN WIRE (7), LOW-RELAXATION STRANDS FOR PRESTRESSED CONCRETE CONFORMING TO AASHTO M203, EXCEPT THAT NOMINAL DIAMETER OF STRAND = 3/8 INCH AND NOMINAL AREA = 0.085 SQ. IN. AND MINIMUM ULTIMATE STRENGTH = 21.25 KIPS (250 KSI). LARGER STRANDS MAY BE USED WITH THE SAME SPACING AND INITIAL TENSION.

INITIAL PRESTRESSING FORCE = 14.9 KIPS/STRAND.

THE METHOD AND SEQUENCE OF RELEASING THE STRANDS SHALL BE SHOWN ON THE SHOP DRAWINGS.

SUITABLE ANCHORAGE DEVICES FOR LIFTING PANELS MAY BE CAST IN PANELS, PROVIDED THEY ARE SHOWN ON THE SHOP DRAWINGS AND APPROVED BY THE ENGINEER. PANEL LENGTHS SHALL BE DETERMINED BY THE CONTRACTOR AND SHOWN ON THE SHOP DRAWINGS.

WHEN SQUARE END PANELS ARE USED AT SKEWED BENTS, IT IS REQUIRED THAT THE SKEWED PORTION BE CAST, FULL DEPTH. NO SEPARATE PAYMENT WILL BE MADE FOR THE ADDITIONAL CONCRETE AND REINFORCING REQUIRED.

SUPPORT FROM DIAPHRAGM FORMS IS REQUIRED UNDER THE OPTIONAL SKEWED END UNTIL CAST-IN-PLACE CONCRETE HAS REACHED 3,000 PSI COMPRESSIVE STRENGTH.

MINIMUM JOINT FILLER OR POLYSTYRENE BEDDING MATERIAL THICKNESS SHALL BE 3/4 INCH. THICKER JOINT FILLER OR POLYSTYRENE BEDDING MATERIAL MAY BE USED ON ONE OR BOTH SIDES OF THE GIRDER TO REDUCE CAST-IN-PLACE CONCRETE THICKNESS, WITHIN TOLERANCES. NO MORE THAN 2 INCHES TOTAL THICKNESS OF JOINT FILLER OR POLYSTYRENE BEDDING MATERIAL SHALL BE USED.

THE SAME THICKNESS OF JOINT FILLER MATERIAL SHALL BE USED UNDER ANY ONE EDGE OF ANY PANEL EXCEPT AT LOCATIONS WHERE TOP FLANGE THICKNESS MAY BE STEPPED. THE MAXIMUM CHANGE IN THICKNESS BETWEEN ADJACENT PANELS SHALL BE 1/4 INCH. THE POLYSTYRENE BEDDING MATERIALS MAY BE CUT TO MATCH HAUNCH HEIGHT ABOVE TOP OF FLANGE.

SLAB THICKNESS OVER PRESTRESSED PANELS VARIES DUE TO GIRDER CAMBER

AT THE CONTRACTORS OPTION, THE VARIATION IN SLAB THICKNESS OVER PRESTRESSED PANELS MAY BE ELIMINATED OR REDUCED BY INCREASING AND VARYING THE GIRDER TOP FLANGE THICKNESS. DIMENSIONS SHALL BE SHOWN ON THE SHOP DRAWINGS.

REINFORCING STEEL:

ALL DIMENSIONS ARE OUT TO OUT.

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1-1/2 INCH, UNLESS OTHERWISE SHOWN.

HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, STIRRUP AND TIE DIMENSIONS.

ACTUAL LENGTHS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.

THE PRESTRESSED PANEL QUANTITIES ARE NOT INCLUDED IN THE TABLE OF ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-GIRDER OR SLAB ON BULB-TEE GIRDER.

IF U1 BARS INTERFERE WITH PLACEMENT OF SLAB STEEL, U1 LOOPS MAY BE BENT OVER, AS NECESSARY, TO CLEAR SLAB STEEL



FILL FACE OF END BENT

====== FRONT FACE OF

#5-S BARS

CTS. (2)

AT ABT

======

12" CTS. (END PANE ONLY)

END BENT

W=====

PREVENT EXCESSIVE GROUT LEAK (TYP.)

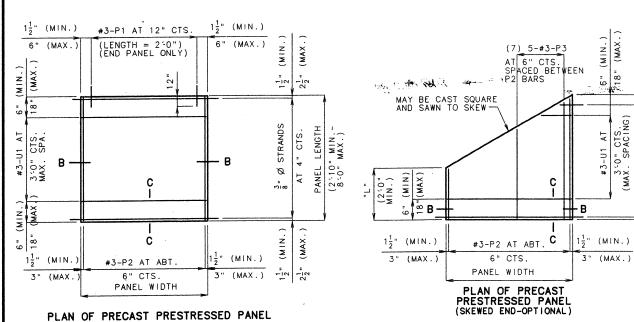
(SEE SPECIAL PROVISIONS)

PANELS-SKEWED ENDS

PLAN OF PRECAST PRESTRESSED PANELS PLACEMENT

- C GIRDER (TYP.)

·82



PANELS-SQUARED ENDS

-Q 3" Ø STRAND 2 " DETAIL "A" -#3-U1 AND U1 BAR (TYP 3" Ø STRAND-FINAL PLANS

"(MIN .) certify that this plan sheet countedly depicting configuration and location of the receivery and all many configuration and location of the receivery and all many responsibility for the design of this project, except as I and my staff may have modified or authorized the modification of the project design during its construction; and I disclaim responsibility for the contractor's actual construction of the project design to the contractor's actual construction of the project design that the project design are project design and that the project design are project design and the project design are project design and the project design and the project design are project design and the project design are project design and the project design and the project design are project design and the project design and the project design are project design and the project design and the project design and the project design are project design and the project design and the project design are project design and the project design and FINAL PLANS (NA NA NA $1\frac{1}{2}$ " (MIN. #3-P2 AT ABT 3" (MAX. 6" CTS DETAIL "A" PANEL WIDTH SECTION B-B

2" | 2" | L/4 L/4 L/4 L/4

JAN. 1998 MAR. 1998

DETAILED

#5-S BARS

AT ABT.

AT ABT

FILL FACE OF END BENT

CTS. (2)

BENDING DIAGRAM FOR U1 BAR

" v 45 * CHAMFER ONF OR BOTH SIDES (OPTIONAL)

SECTION C-C

(U1 BARS MAY BE ORIENTED AT RIGHT ANGLES TO LOCATION AND SPACING SHOWN. U1 BARS SHALL BE PLACED BETWEEN P1 BARS)

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

NOTES:

STRANDS
CTS. (5)
EL LENGTH

7 4" CT PANEL 1 (12:0"

21 21 22

WELDED WIRE FABRIC OR WELDED DEFORMED BAR MATS PROVIDING A MINIMUM AREA OF REINFORCING PERPENDICULAR TO STRANDS OF 0.22 SQ. IN./FI., WITH SPACING PARALLEL TO STRANDS SUFFICIENT TO INSURE PROPER HANDLING, MAY BE USED IN LIEU OF THE #3-P2 BARS SHOWN. WIRE OR BAR DIAMETER SHALL NOT BE LARGER THAN 0.375 INCHES. THE ABOVE ALTERNATIVE REINFORCEMENT CRITERIA MAY BE USED IN LIEU OF THE #3-P3 BARS, WHEN REQUIRED, AND PLACED OVER A WIDTH NOT LESS THAN 2 FT.

FRONT FACE OF

4.0

4:4:

SECTION A-A NOTE: USE SLAB HAUNCHING DIAGRAM ON SHEET NO. 72 FOR DETERMINING THICKNESS OF JOINT FILLER OR POLYSTYRENE BEDDING MATERIAL WITHIN THE LIMITS NOTED IN GENERAL

3"(TYP.)

1½" (TYP.

4.4

-P/S PANEL

3/4" JOINT FILLER (MIN.) (SEE STD. SPEC. 1057.2.5)

BEDDING MATERIAL (SEE SPECIAL

PROVISIONS) (6)

SPEC. 1057.2.5)
OR EXPANDED OR
EXTRUDED POLYSTYRENE

END BENT

THE REINFORCING STEEL SHALL BE TIED SECURELY TO THE 3/8"Ø STRANDS WITH THE FOLLOWING MAXIMUM SPACING IN EACH DIRECTION: #3-P2 BARS AT 16 INCHES. WELDED WIRE FABRIC OR WELDED DEFORMED BAR MATS AT 24 INCHES.

TIE THE #3-U1 BARS TO THE #3-P2 BARS, TO THE WELDED WIRE FABRIC OR THE WELDED DEFORMED BAR MATS AT ABOUT 36 INCH CENTERS.

ALL REINFORCEMENT OTHER THAN PRESTRESSING STRANDS SHALL BE EPOXY COATED

PRECAST PANELS MAY BE IN CONTACT WITH STIRRUP REINFORCING IN DIAPHRAGMS.

COST OF S-BARS SHALL BE INCLUDED IN PRICE BID FOR SLAB ON CONCRETE I-GIRDER AND SLAB ON BULB-TEE GIRDER PER SQUARE YARD.

S-BARS ARE NOT LISTED IN BILL OF REINFORCING.

- (1) END PANELS SHALL BE DIMENSIONED 1" MIN. TO 1-1/2" MAX. FROM THE INSIDE FACE OF DIAPHRAGM.
- (2) S-BARS SHOWN ARE BOTTOM STEEL IN SLAB BETWEEN PANELS AND USED WITH SQUARED END PANELS ONLY.
- EXTEND S-BARS 18 INCHES BEYOND THE FRONT FACE OF END
- (4) IN ORDER TO MAINTAIN MINIMUM SLAB THICKNESS, IT MAY BE NECESSARY TO RAISE THE GRADE UNIFORMILY THROUGHOUT THE STRUCTURE. NO PAYMENT WILL BE MADE FOR ADDITIONAL LABOR OR MATERIALS REQUIRED FOR NECESSARY GRADE
- (5) ANY STRAND 2'-0" OR SHORTER SHALL HAVE A #4
 REINFORCING BAR ON EACH SIDE OF IT CENTERED BETWEEN
 STRANDS. STRANDS 2'-0" OR SHORTER MAY THEN BE DEBONDED
 AT THE FABRICATORS OPTION.
- (6) ALL PANEL SUPPORT PADS SHALL BE GLUED TO THE GIRDER. WHEN SUPPORT THICKNESS EXCEEDS 1-1/2", THE PADS SHALL BE GLUED TOP AND BOTTOM. THE GLUE USED SHALL BE THE TYPE RECOMMENDED BY THE PANEL SUPPORT PADS MANUFACTURER.

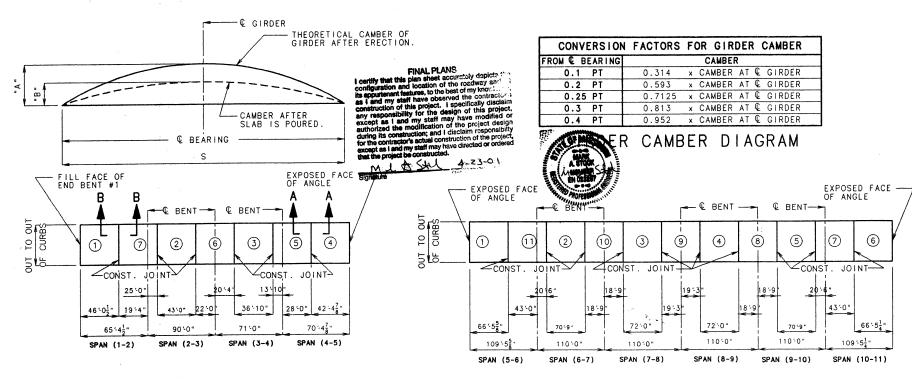
(7) USE #3-P3 BARS IF PANEL IS SKEWED 45° OR GREATER DETAILS OF PRECAST PRESTRESSED PANELS

SHEET NO. 70 OF 93

JACKSON COUNTY

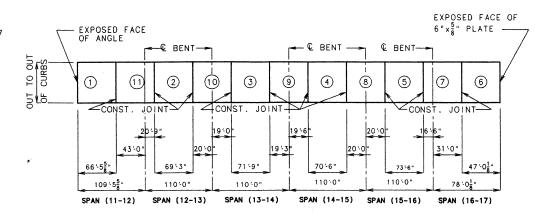
母上来 [18] 一日 (1947)

GIRDERS	SPAN	(1-2)	SPAN	(2-3)	SP (3-4)	ANS & (4-5)	SPAN	(5-6)	SPA (6-7), (8-9) &	ANS (7-8), (9-10)	SP/ (10-11),	ANS (11-12)	(12-13),	ANS (13-14), & (15-16)	SPAN (16-17)
0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	"A"	"B"	"A"	"B"	" A "	"B"	"A"	"B"	" A "	"B"	" A "	"B"	"A"	"B"	" A "	"B"
Exterior	<u>7</u>	<u>5</u> "	21/4"	1 3/16 "	1 1/8 "	3 " 4	2 9 "	1 5 "	2 5 "	1 3 "	e 2 9 "	1 ⁵ "	2 <u>5</u> "	13"	3 " 4	1/2 "
Interior	7 8	1/2 "	2 1/4 "	7/8"	1 1/8 "	5 " 8	2 9 1 6 "	1 7/16 "	2 <u>5</u> "	1 1 "	2 9 "	**	2 5 "	1 1 "	3 " 4 "	7 16 "
Center	· 7/8	9 16	2 1/4 "	1 "	1 1/8 "	11 "	2 9 "	1 ½ "	2 ⁵ / ₁₆ "	1 1/4 "	2 9 "	1 ½ "	2 5 "	1 3 "	<u>3</u> "	716



NOTE: IF GIRDER CAMBER IS DIFFERENT FROM THAT SHOWN IN THE CAMBER DIAGRAM, IT SHALL BE NECESSARY TO ADJUST THE SLAB HAUNCHES, INCREASE THE SLAB THICKNESS OR TO RAISE THE GRADE UNIFORMLY THROUGHOUT THE STRUCTURE. NO PAYMENT WILL BE MADE FOR ADDITIONAL LABOR OR MATERIALS REQUIRED FOR VARIATION IN HAUNCHING, SLAB THICKNESS OF GRADE ADJUSTMENT. CONCRETE IN THE SLAB HAUNCHES IS INCLUDED IN THE ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-GIRDERS OR SLAB ON BULB-TEE GIRDERS.

** 1 $\frac{7}{16}$ " SPAN (10-11) $1\frac{3}{8}$ " SPAN (11-12)



	SEQUENCE	OF POURS	MIN. RATE OF POUR CU. YDS./HR.
	DIREC	CTION	WITH RETARDER
BASIC SEQUENCE	1 2 3 EITHER D	4 5 6 7 IRECTION	25
APPROVAL OF T	RS TO THE BASIC S HE ENGINEER IN AC TANDARD SPECIFICA	CORDANCE WITH SEC	SUBJECT TO THE TION 703.3.12.4
ACTERNATE "A"	1 7 + 2 END TO 7 1 TO 6	6 + 3 5 + 4 2 TO 5 3 TO ENI	25
ALTERNATE "B" -POURS	1 + 7 + 2 6 + END TO 6 2 TO	3 5 + 4 0 5 3 TO END	25
ALTERNATE "C"	1 + 7 + 2 END TO 6	6 + 3 + 5 + 4 2 TO END	25
ALTERNATE "D"	1 + 7 + 2 + 6 END TO	+ 3 + 5 + 4 END	25

SLAB POURING SEQUENCE

SPANS (1-2), (2-3), (3-4) & (4-5)

CONSTRUCTION JOINT TO EXTEND FULL WIDTH OF SLAB

DETAILED JAN. 1998 CHECKED MAR. 1998

		;	SEQUENCE	OF P	OURS			CU. YDS./HR.
			DIRE	CTION				WITH RETARDER
BASIC SEQUENCE	1 2	3 4	5 ELTH	6 7	8 RECTI		10 11	25
APPRO	VAL OF T	RS TO THE HE ENGINE TANDARD S	ER IN A	CCORD	ANCE 1	NCE ARE WITH SEC	SUBJECT CTION 703	TO THE 3.3.12.4
ALTERNATE "A"	1 END TO 11	11 + 2 1 TO 10	10 + 3 2 TO 9	9 3 T	+ 4	8 + 5 4 TO 7	7 + 6 5 TO END	27
ALTERNATE "8" POURS	1 + 11 EN	+ 2 + 10 D TO 3) 3	+ 9 10 TO	+ 4 8	8 + 5 4 TC	+ 7 + 6 END	27
ALTERNATE "C" POURS	1 + 1	1 + 2 + END TO	10 + 3 + 4	9	4 + 9 1	8 + 5 TO END	+ 7 + 6	27
ALTERNATE "D-"	1 +	11 + 2 +	10 + 3 END	+ 9 + TO ENI		8 + 5 +	7 + 6	27

SLAB POURING SEQUENCE

SECTION B-B

(*) ADJUST THE PERMISSIBLE CONSTRUCTION JOINT TO A CLEARANCE OF 6 INCHES

CONST. JOINT-

		S	SEQUE	NCE C	F POURS			MIN. RATE OF POUR CU. YDS./HR.
			0	DIRECT	TION			WITH RETARDER
BASIC SEQUENCE	1 2	3 4] 5 E	6 THER	7 DIRECT	8 9 T	10 11	25
APPRO	VAL OF TH	RS TO THE HE ENGINE TANDARD S	ER 1	N ACC	ORDANCE	NCE ARE WITH SEC	SUBJECT TION 703	TO THE .3.12.4
ALTERNATE "A"	1 END TO 11	11 + 2 1 TO 10	10 2 T	+ 3	9 + 4 3 TO 8	8 + 5 4 TO 7	7 + 6 5 TO END	27
ALTERNATE AB "	1 + 11	+ 2 + 10		3 +		8 + 5	+ 7 + 6	27
1-0011-3	ENI) TO 3		10	TO 8	4 TC	END	27
ALTERNATE "C"	1 + 1	1 + 2 + 1	0 + 4	3 + 9			END 7 + 6	27

FINISH EACH SIDE OF JOINT WITH 1/4" RADIUS EDGING TOOL

SLAB POURING SEQUENCE SPANS (11-12), (12-13), (13-14), (14-15), (15-16) & (16-17)

NOTE: THE CONTRACTOR SHALL FURNISH AN APPROVED RETARDER TO RETARD THE SET OF THE CONCRETE TO 2.5 HOURS AND SHALL POUR AND SATISFACTORILY FINISH THE SLAB POURS AT THE RATE GIVEN.

THE CONCRETE DIAPHRAGM AT THE INTERMEDIATE BENTS AND INTEGRAL END BENT SHALL BE POURED A MINIMUM OF 30 MINUTES AND A MAXIMUM OF 2 HOURS BEFORE THE SLAB IS POURED.

END DIAPHRAGMS AT EXPANSION DEVICES MAY BE POURED WITH A CONSTRUCTION JOINT BETWEEN THE DIAPHRAGM AND SLAB, OR MONOLITHIC WITH THE SLAB.

SLAB POURING SEQUENCE

DETAIL OF CONST. JT. FOR SLAB ON P/S PANEL SECTION A-A

FINISH EACH SIDE OF JOINT WITH 1/4" RADIUS EDGING TOOL

JOINT PANEL

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

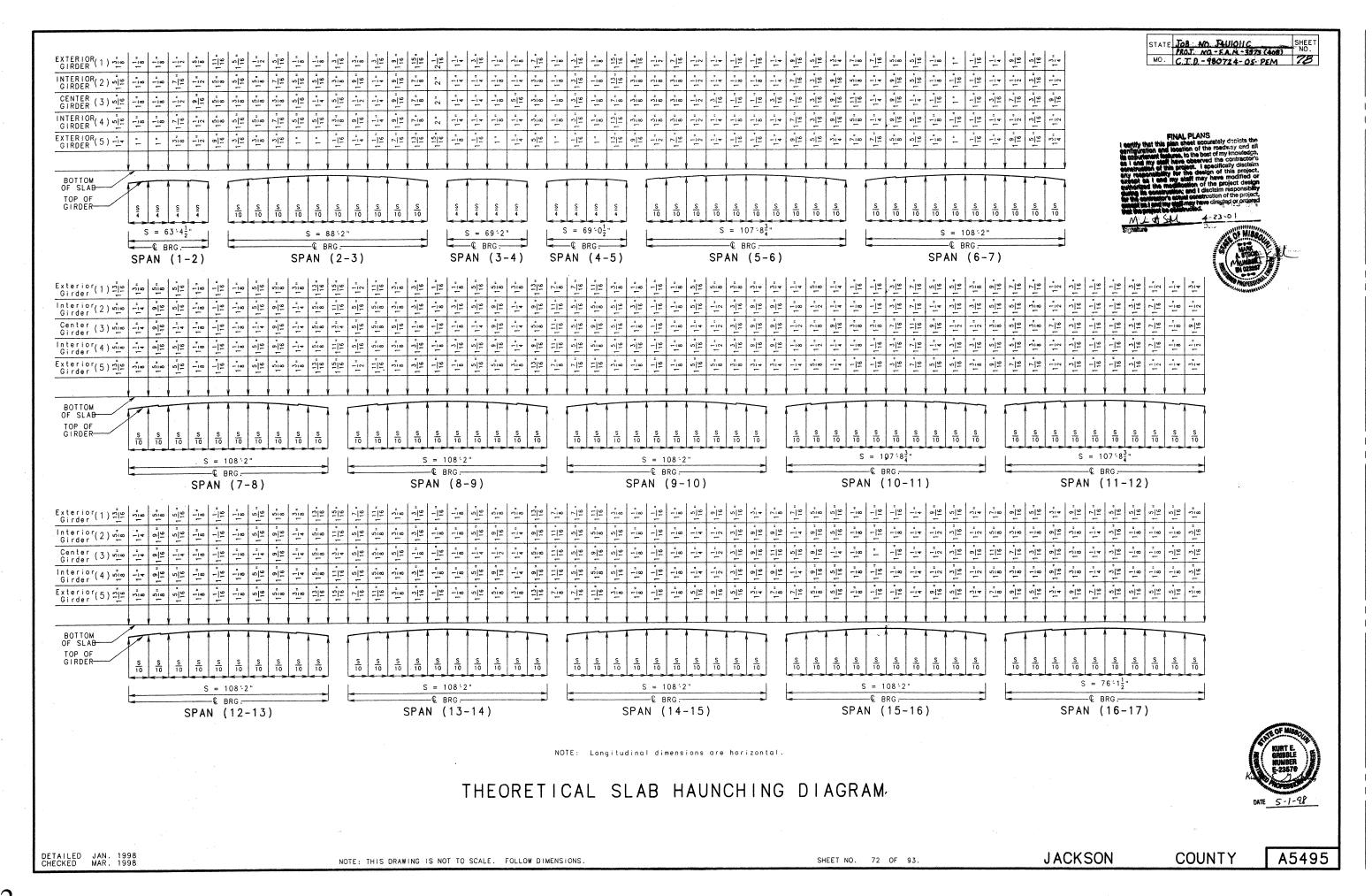
KEY TO EXTEND FULL WIDTH OF SLAB CANTILEVER.

MINIMUM FROM THE JOINTS

SHEET NO. 71 OF 93.

JACKSON

COUNTY



,	SPAN (1-2) (6	3 -4 1/2 ° €	BRG (E BRG.)				SP	AN (2-3) (88-2"	€ BRG.	- & BR	3.)			SPAN (3-4) (69	9 - 2 " C B	RG 🕻	BRG.)	SPAN (4-5) (6	9 · 0 ½ ° ©	BRG (¿ BRG.
	€ BRG.	. 25	.50	.75	€ BRG.	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.	€ BRG.	. 25	.50	.75	€ BRG.	€ BRG.	. 25	. 50	. 75	€ BRG
SIRDER NO. 1	898.79	898.88	898.97	899.04	899.10	899.11	899.18	899.24	899.31	899.36	899.41	899.45	899.48	899.50	899.52	899.54	899.55	899.66	899.75	899.83	899.89	899.89	900.00	900.10	900.17	900.2
SIRDER NO. 2	898.93	899.03	899.11	899.18	899.24	899.25	899.32	899.40	899.46	899.52	899.57	899.61	899.64	899.66	899.67	899.68	899.69	899.80	899.90	899.97	900.03	900.03	900.15	900.24	900.32	900.3
GIRDER NO. 3	899.00	899.10	899.19	899.26	899.31	899.32	899.40	899.47	899.53	899.59	899.64	899.68	899.71	899.73	899.74	899.75	899.76	899.88	899.97	900.04	900.10	900.11	900.22	900.32	900.39	900.4
GIRDER NO. 4	898.87	898.96	899.05	899.12	899.18	899.18	899.26	899.33	899.40	899.46	899.51	899.55	899.57	899.59	899.61	899.61	899.62	899.74	899.84	899.91	899.96	899.97	900.08	900.18	900.25	900.3
GIRDER NO. 5	898.73	898.82	898.91	898.98	899.04	899.04	899.11	899.18	899.24	899.30	899.35	899.39	899.42	899.44	899.46	899.48	899.49	899.59	899.69	899.76	899.82	899.83	899.94	900.03	900.11	900.1

STATE	JOB NO JAVIOUC	SHEET
	PROJ. NO FA.M - 3373 (408)	NO.
MO.	C.I. D. 980724-05- PEM	79

I certify that this plan sheet accurately depicts to configuration and location of the readway and its appurtment features, to the best of my incretact; as I and my staff lines eleased the contraction construction of this project. I specifically dischill any responsibility for the design of this project cappt as I and my staff lines modified exchange its I and my staff may have modified authorized the modification of the project design for the contraction; and I dischain responsibility for the contraction; and of dischain responsibility for the contraction's actual construction of the project that the project has construction of the project that the project be constructed.

MLA Stl 4-23.0

				SPA	N (5-6)	(107 - 8 <mark>3</mark>	" & BRG	C BF	(G.)						SPAN	(6-7)	(108 - 2 "	€ BRG.	- C BRG	.)		*.				SPAN	(7-8)	(108-2"	€ BRG.	- C BRG	.)		
	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.	C BRG	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BR
IRDER NO. 1	900.24	900.32	900.39	900.46	900.53	900.58	900.63	900.67	900.71	900.74	900.77	900.78	900.86	900.93	901.00	901.06	901.12	901.17	901.21	901.25	901.28	901.31	901.32	901.39	901.47	901.54	901.60	901.66	901.71	901.75	901.79	901.82	2 901.
SIRDER NO. 2	900.38	900.47	900.54	900.62	900.68	900.74	900.79	900.83	900.86	900.89	900.91	900.92	901.00	901.08	901.15	901.22	901.28	901.33	901.37	901.40	901.42	901.45	901.46	901.54	901.62	901.69	901.76	901.82	901.86	901.90	901.94	901.96	3 901.
SIRDER NO. 3	900.46	900.54	900.62	900.69	900.75	900.81	900.86	900.90	900.93	900.96	900.99	900.99	901.08	901.15	901.23	901.29	901.35	901.40	901.44	901.47	901.50	901.52	901.53	901.61	901.69	901.76	901.83	901.89	901.93	901.98	902.01	902.04	1 902.
SIRDER NO. 4	900.32	900.40	900.48	900.56	900.62	900.68	900.73	900.77	900.80	900.82	900.85	900.86	900.94	901.02	901.09	901.16	901.22	901.26	901.30	901.34	901.36	901.38	901.39	901.48	901.56	901.63	901.70	901.75	901.80	901.84	901.87	901.90) 901.
SIRDER NO. 5	900.18	900.26	900.33	900.40	900.46	900.52	900.57	900.61	900.65	900.68	900.71	900.72	900.79	900.87	900.94	901.00	901.06	901.11	901.15	901.19	901.22	901.25	901.26	901.33	901.41	901.48	901.54	901.60	901.64	901.69	901.72	901.76	5 901.

				SPAN	(8-9)	(108-2"	€ BRG.	- & BRG	.)						SPAN	(9-10)	(108-2"	€ BRG.	- C BF	RG.)						SPAN	(10-11) (107-8	3 . C BRO	G C. E	RG.)		
	€ BRG	. 0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	& BRG.	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	C BRG.	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ B
SIRDER NO. 1	901.8	6 901.93	902.01	902.08	902.14	902.20	902.25	902.29	902.32	902.36	902.39	902.39	902.47	902.54	902.61	902.68	902.73	902.78	902.8	902.86	902.89	902.92	902.93	903.01	903.08	903.15	903.21	903.27	903.32	903.36	903.40	903.43	903
IRDER NO. 2	901.9	9 902.08	902.16	902.23	902.30	902.35	902.40	902.44	902.47	902.50	902.52	902.53	902.62	902.69	902.77	902.83	902.89	902.94	902.9	903.01	903.04	903.06	903.07	903.15	903.23	903.31	903.37	903.43	903.48	903.52	903.55	903.57	7 903
IRDER NO. 3	902.0	7 902.15	902.23	902.30	902.37	902.42	902.47	902.51	902.55	902.57	902.60	902.61	902.69	902.77	902.84	902.90	902.96	903.01	903.0	903.08	903.11	903.14	903.15	903.25	903.33	903.40	903.47	903.53	903.57	903.61	903.65	903.68	3 903
IRDER NO. 4	901.9	3 902.01	902.09	902.17	902.23	902.29	902.34	902.38	902.41	902.44	902.46	902.47	902.55	902.63	902.71	902.77	902.83	902.88	902.9	902.95	902.98	903.00	903.01	903.09	903.17	903.24	903.31	903.37	903.41	903.45	903.49	903.51	903
SIRDER NO. 5	901.7	9 901.87	901.94	902.01	902.08	902.13	902.18	902.23	902.26	902.29	902.32	902.33	902.41	902.48	902.55	902.61	902.67	902.72	902.7	902.80	902.83	902.86	902.87	902.95	903.02	903.09	903.15	903.21	903.28	903:30	903.34	903.37	7 903

** Elevations are based on a constant slab thickness of $8\frac{1}{2}$ " and include allowance for theoretical dead load deflections due to weight of Slab (including Precast Panel) and Barrier Curb.



KURT E ORIBBLE MUMBER E-23578

NOTE: FOR TYPICAL SLAB ELEVATION DIAGRAM, SEE SHEET NO. 74.

DETAILED JAN. 1998 CHECKED MAR, 1998

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET NO. 73 OF 93.

JACKSON

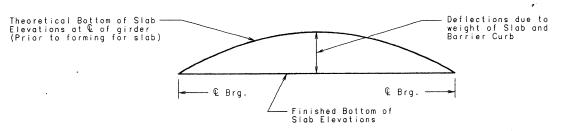
COUNTY

STATE	JOB NO. FAUIOLIC PROJ. NO FA.M 3873 (408)	SHEET NO.
MO.	C.I.D980724*05-PEM	80

				SPAN	(11-12)	(107 <u>'</u> 8 3	" @ BRG	C BF	RG.)						SPAN	(12-13)	(108 - 2 -	€ BRG.	- © BR	G.)						SPAN	(13-14)	(108 - 2	• € BRG.	- © BR	G.)		
	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	& BRG.	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	& BRG.	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG
GIRDER NO. 1	903.47	903.5	903.62	903.69	903.75	903.81	903.86	903.90	903.94	903.97	904.00	904.01	904.08	904.16	904.23	904.29	904.35	904.40	904.44	904.48	904.51	904.54	904.55	904.62	904.70	904.77	904.83	904.89	904.93	904.98	905.01	905.05	5 905.0
GIRDER NO. 2	903.61	903.69	903.77	903.85	903.91	903.97	904.02	904.06	904.09	904.11	904.14	904.15	904.23	904.31	904.38	904.45	904.51	904.55	904.59	904.63	904.65	904.67	904.68	904.77	904.85	904.92	904.99	905.04	905.09	905.13	905.16	905.19	905.2
GIRDER NO. 3	903.69	903.7	903.85	903.92	903.98	904.04	904.09	904.13	904.16	904.19	904.21	904.22	904.30	904.38	904.45	904.52	904.58	904.62	904.67	904.70	904.73	904.75	904.76	904.84	904.92	904.99	905.06	905.11	905.16	905.20	905.24	905.26	5 905.2
GIRDER NO. 4	903.55	903.63	3 903.71	903.78	903.85	903.91	903.95	903.99	904.03	904.05	904.07	904.08	904.17	904.25	904.32	904.39	904.44	904.49	904.53	904.56	904.59	904.61	904.62	904.70	904.78	904.86	904.92	904.98	905.03	905.07	905.10	905.13	3 905.1
GIRDER NO. 5	903.41	903.49	903.56	903.63	903.69	903.75	903.80	903.84	903.88	903.91	903.94	903.95	904.02	904.10	904.17	904.23	904.29	904.33	904.38	904.41	904.45	904.47	904.48	904.56	904.63	904.70	904.77	904.82	904.87	904.91	904.95	904.98	8 905.0

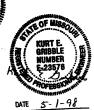
				SPAN	(14-15)	(108 - 2	€ BRG.	- € BRG	;.)						SPAN	(15-16)	(108-2	€ BRG.	- € BR	G.)						SPAN	(16-17)	(76 ^L 1 ¹ / ₂ "	€ BRG.	- & BRG	;.)		
	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	& BRG.	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	& BRG.	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRO
SIRDER NO. 1	905.08	905.16	905.23	905.30	905.37	905.42	905.47	905.52	905.55	905.58	905.61	905.62	905.70	905.77	905.84	905.90	905.96	906.01	906.05	906.09	906.12	906.15	906.16	906.20	906.25	906.29	906.33	906.37	906.40	906.44	906.47	906.50	906.5
SIRDER NO. 2	905.22	905.30	905.38	905.46	905.52	905.58	905.63	905.67	905.70	905.73	905.75	905.76	905.84	905.92	906.00	906.06	906.12	906.17	906.21	906.24	906.27	906.29	906.30	906.34	906.39	906.43	906.47	906.51	906.55	906.58	906.61	906.64	906.6
SIRDER NO. 3	905.30	905.38	905.46	905.53	905.59	905.65	905.70	905.74	905.77	905.80	905.83	905.84	905.92	905.99	906.07	906.13	906.19	906.24	906.28	906.31	906.34	906.36	906.37	906.42	906.46	906.50	906.54	906.58	906.62	906.65	906.68	906.72	906.7
GIRDER NO. 4	905.16	905.24	905.32	905.40	905.46	905.52	905.57	905.61	905.64	905.67	905.69	905.70	905.78	905.86	905.93	906.00	906.06	906.11	906.15	906.18	906.20	906.23	906.23	906.28	906.32	2 906.37	906.41	906.45	906.48	906.52	906.55	906.58	906.6
SIRDER NO. 5	905.02	905.10	905.17	905.24	905.30	905.36	905.41	905.45	905.49	905.52	905.55	905.56	905.64	905.71	905.78	905.84	905.90	905.95	905.99	906.03	906.06	906.09	906.10	906.14	906.18	906.22	906.26	906.30	906.34	906.37	906.41	906.44	906.4

** Elevations are based on a constant slab thickness of $8\frac{1}{2}$ " and include allowance for theoretical dead load deflections due to weight of Slab (including Precast Panel) and Barrier Curb.



TYPICAL SLAB ELEVATIONS DIAGRAM



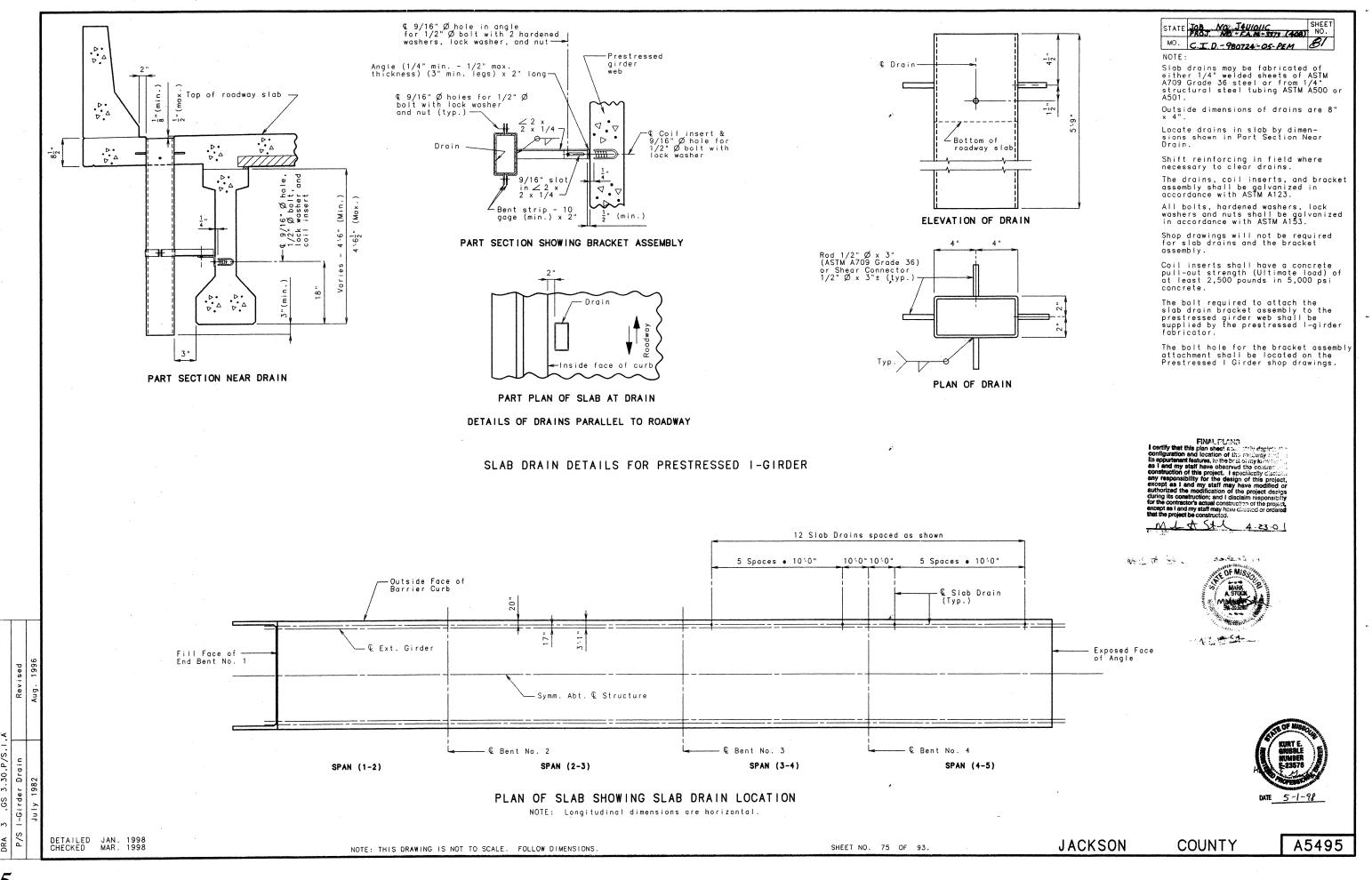


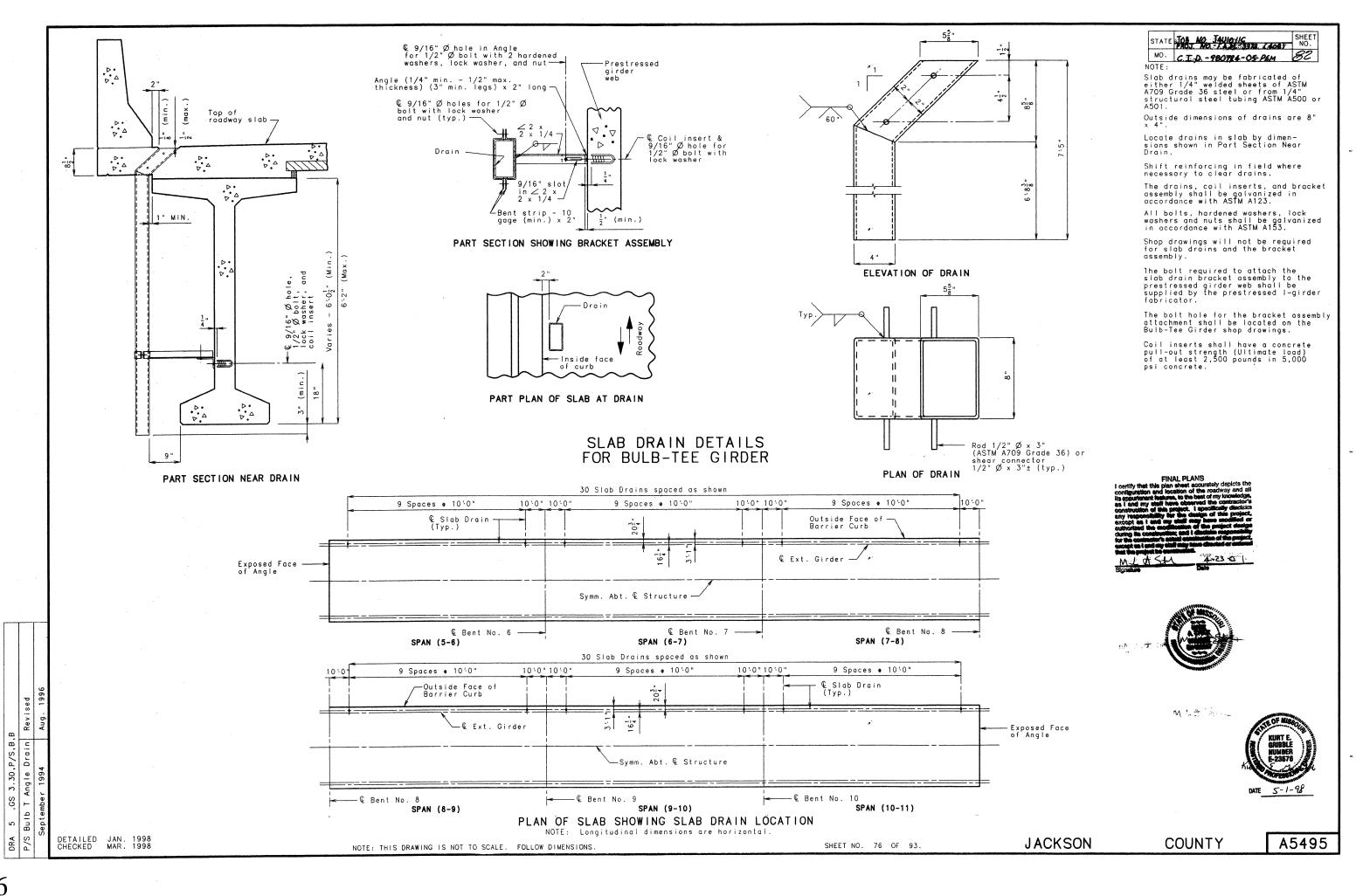
DETAILED JAN. 1998 CHECKED MAR. 1998 NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

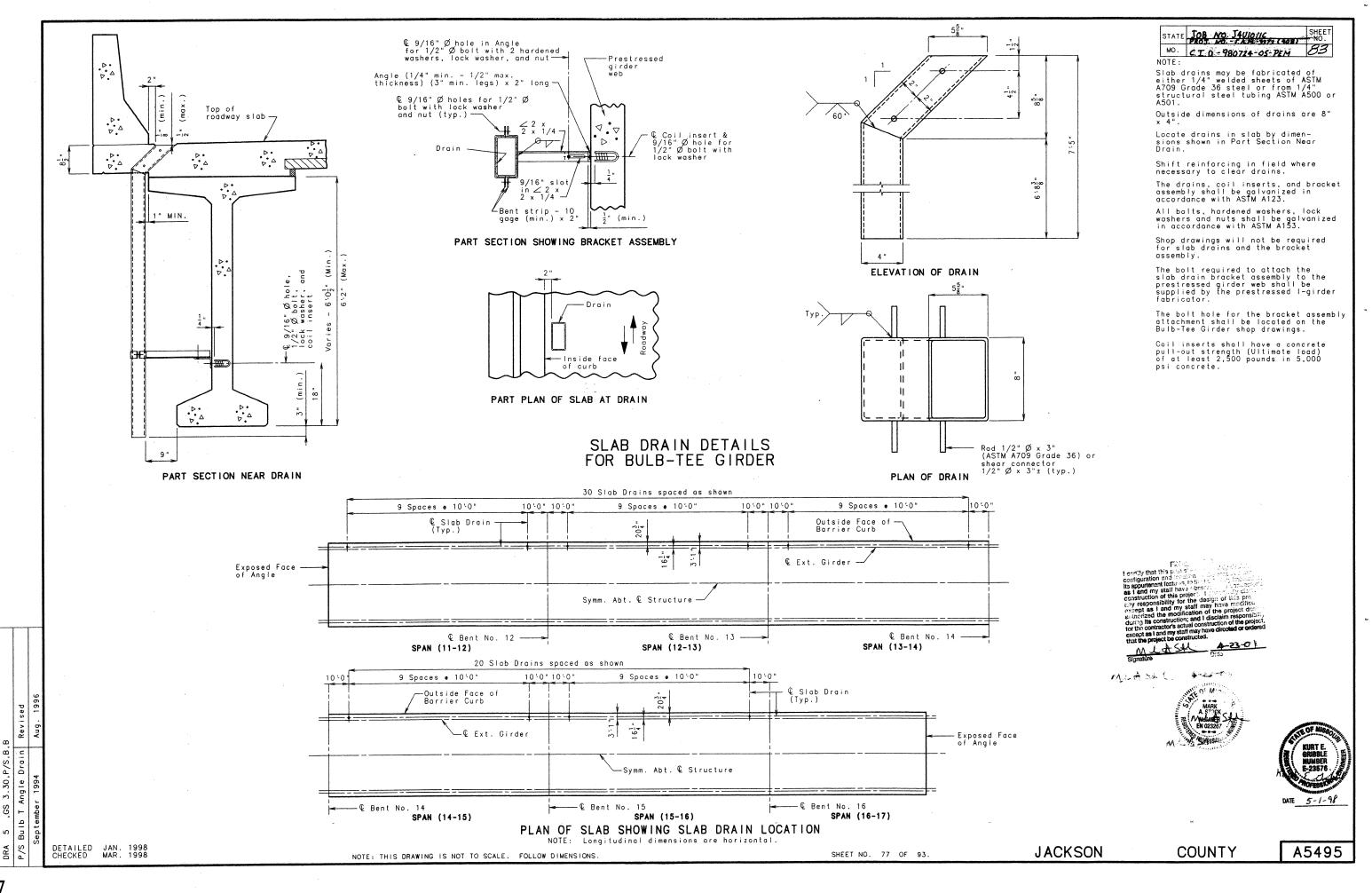
SHEET NO. 74 OF 93.

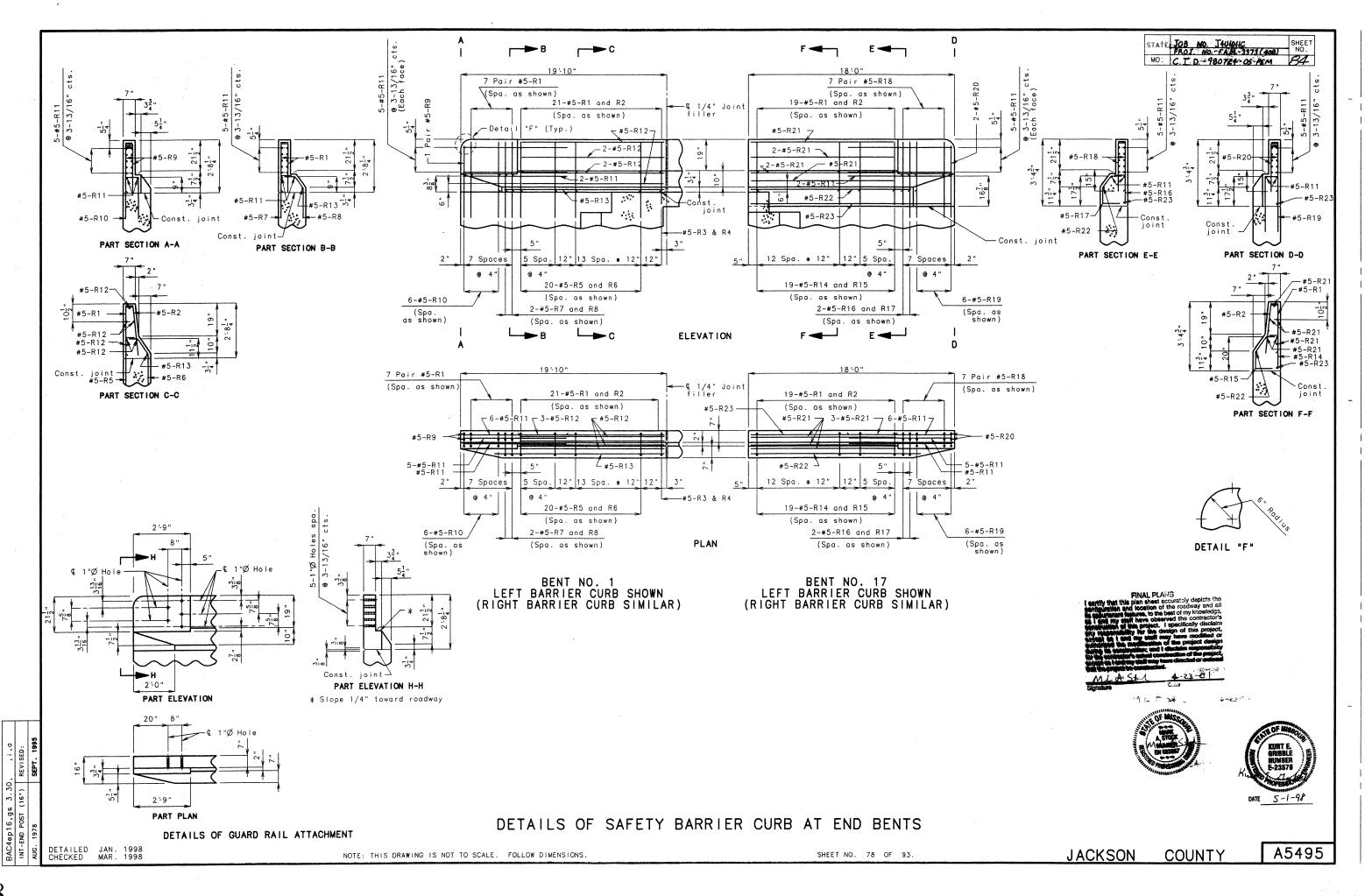
JACKSON

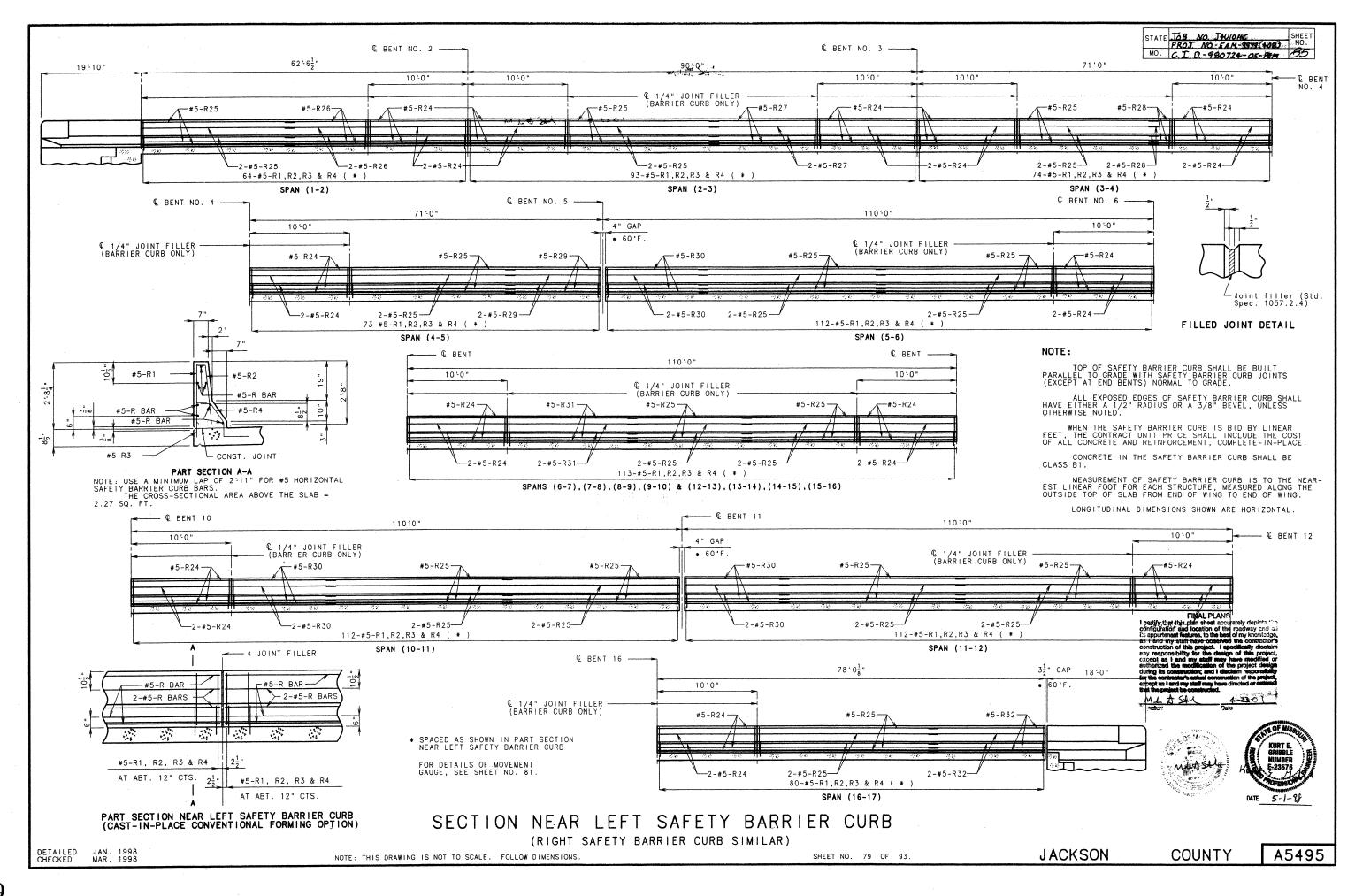
COUNTY

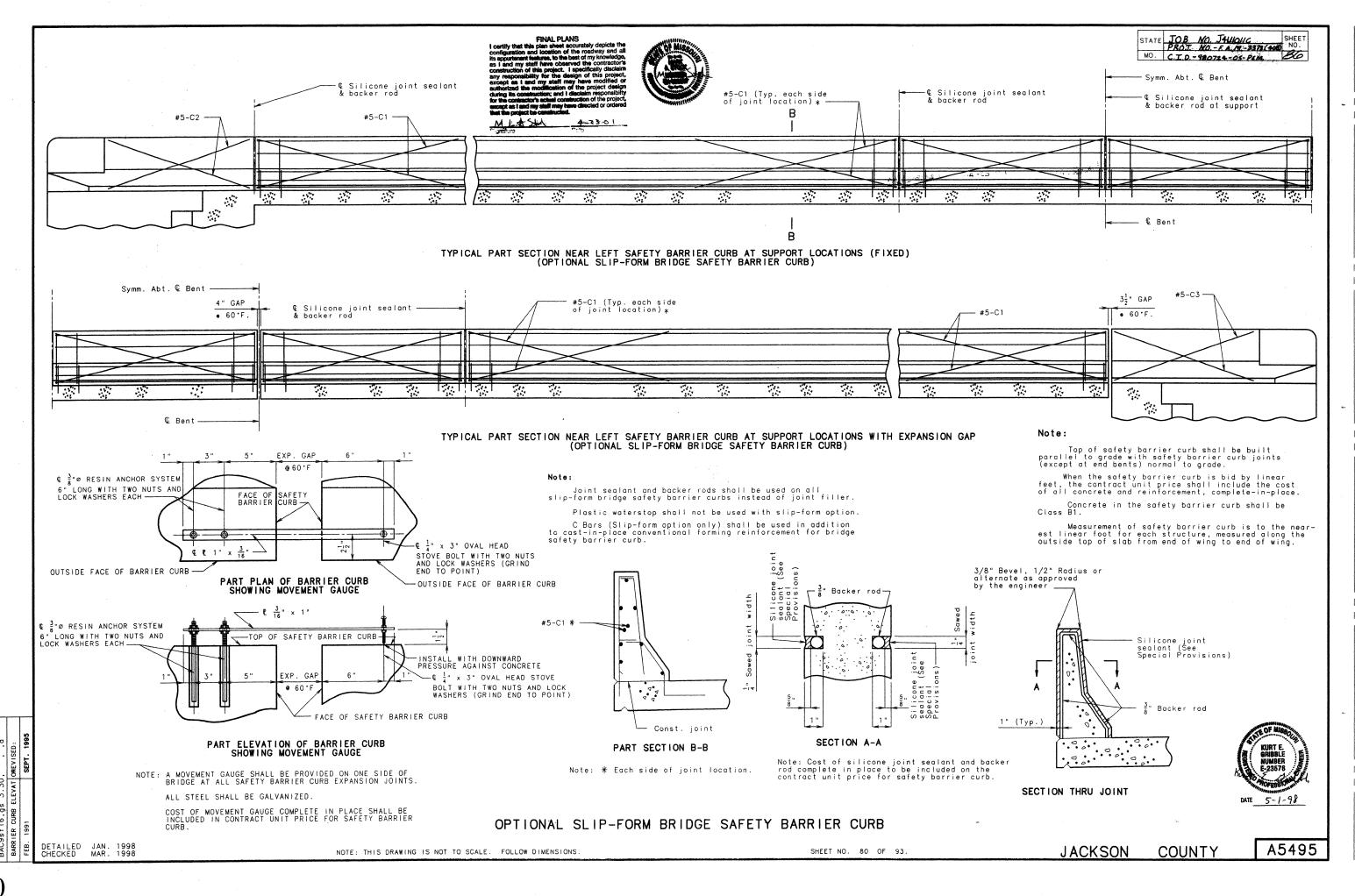


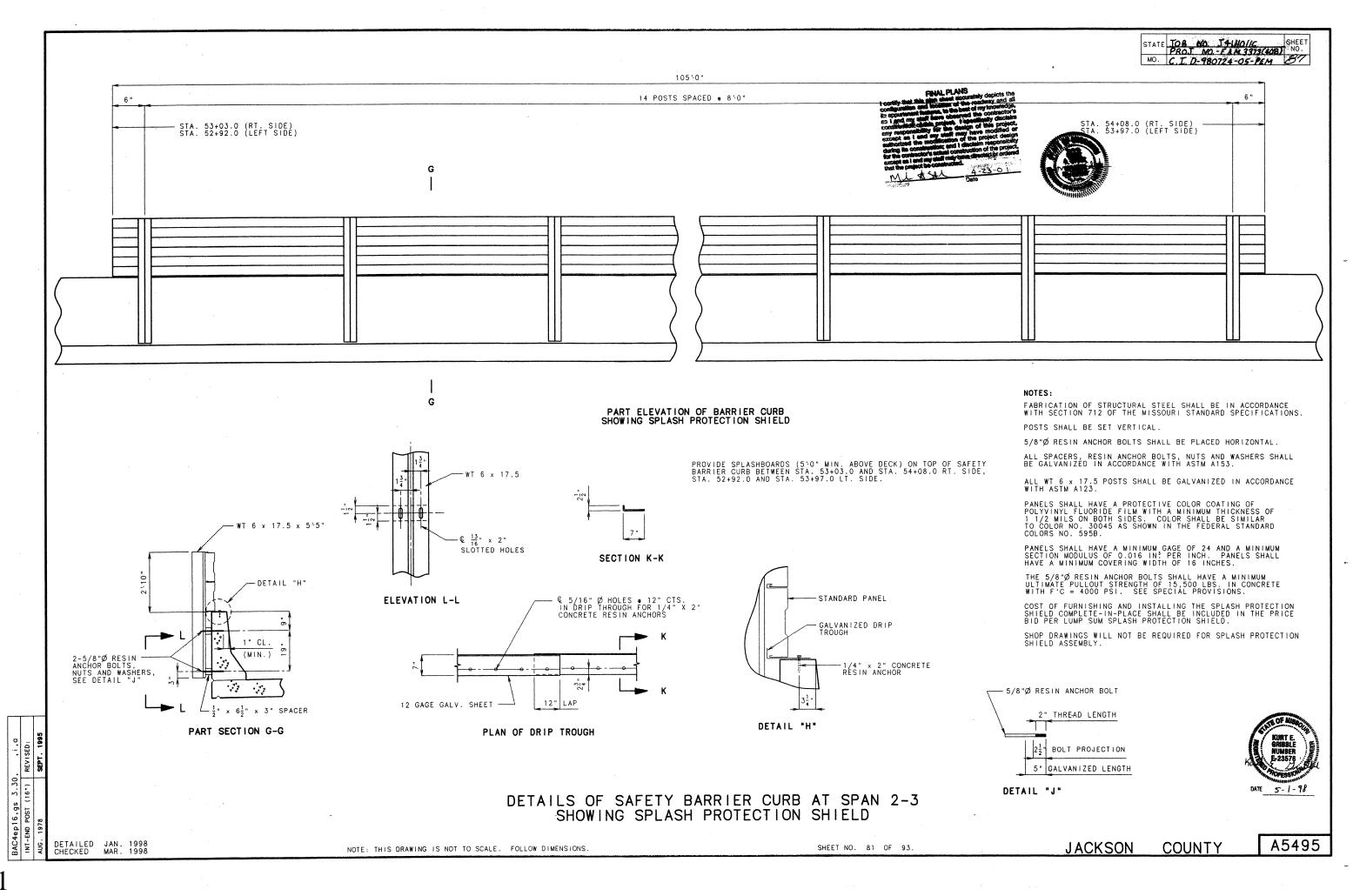


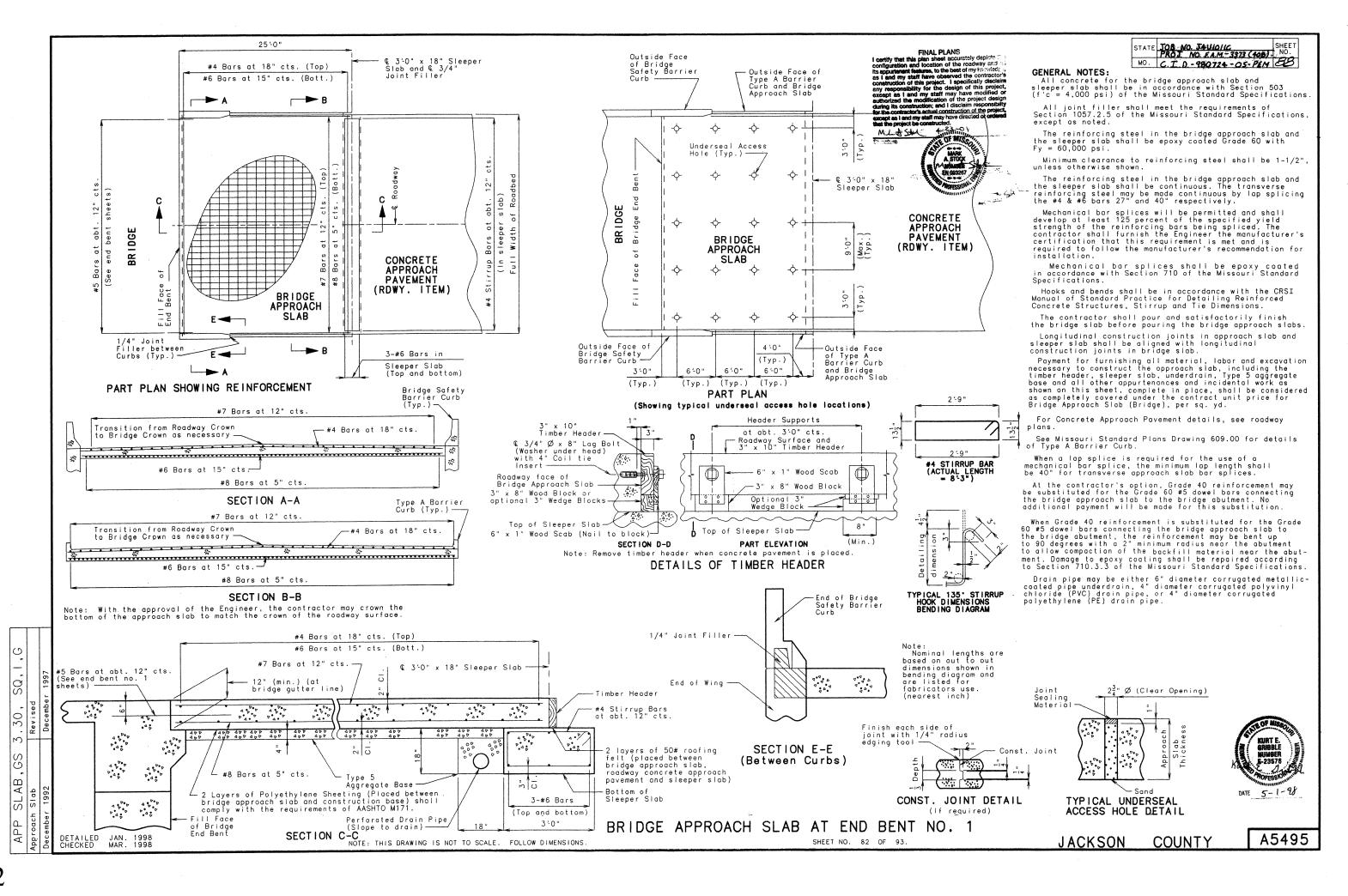


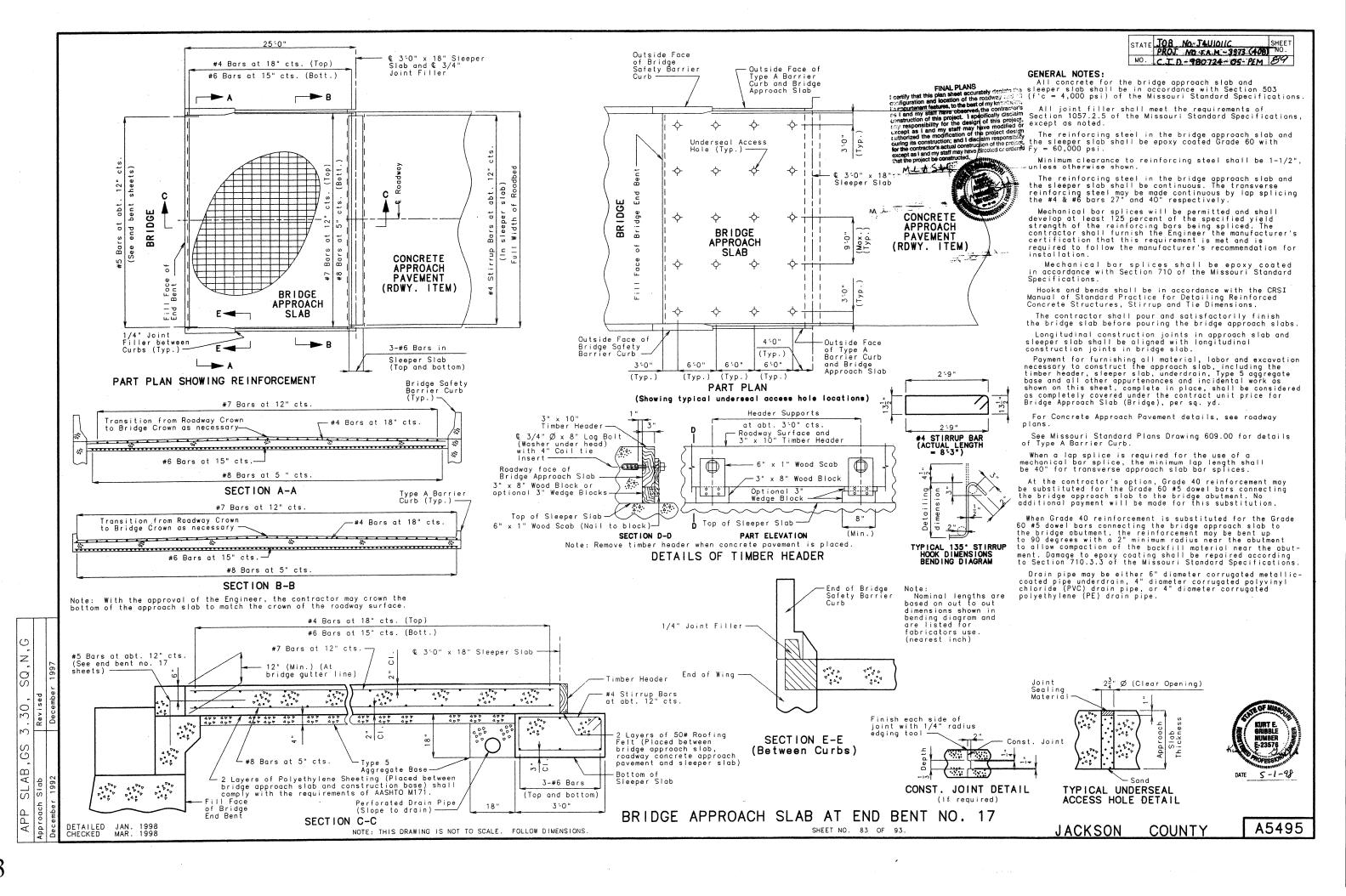


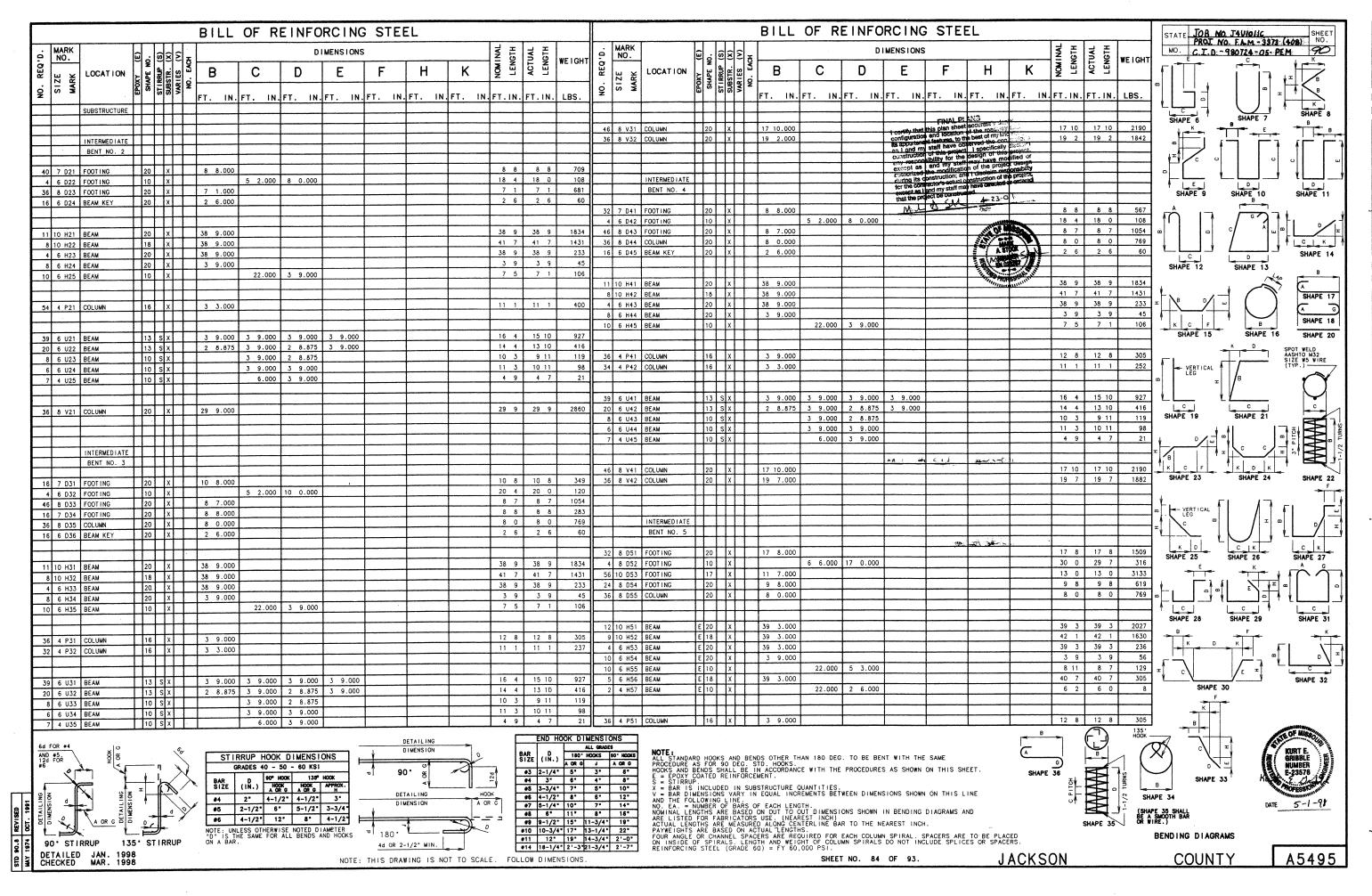


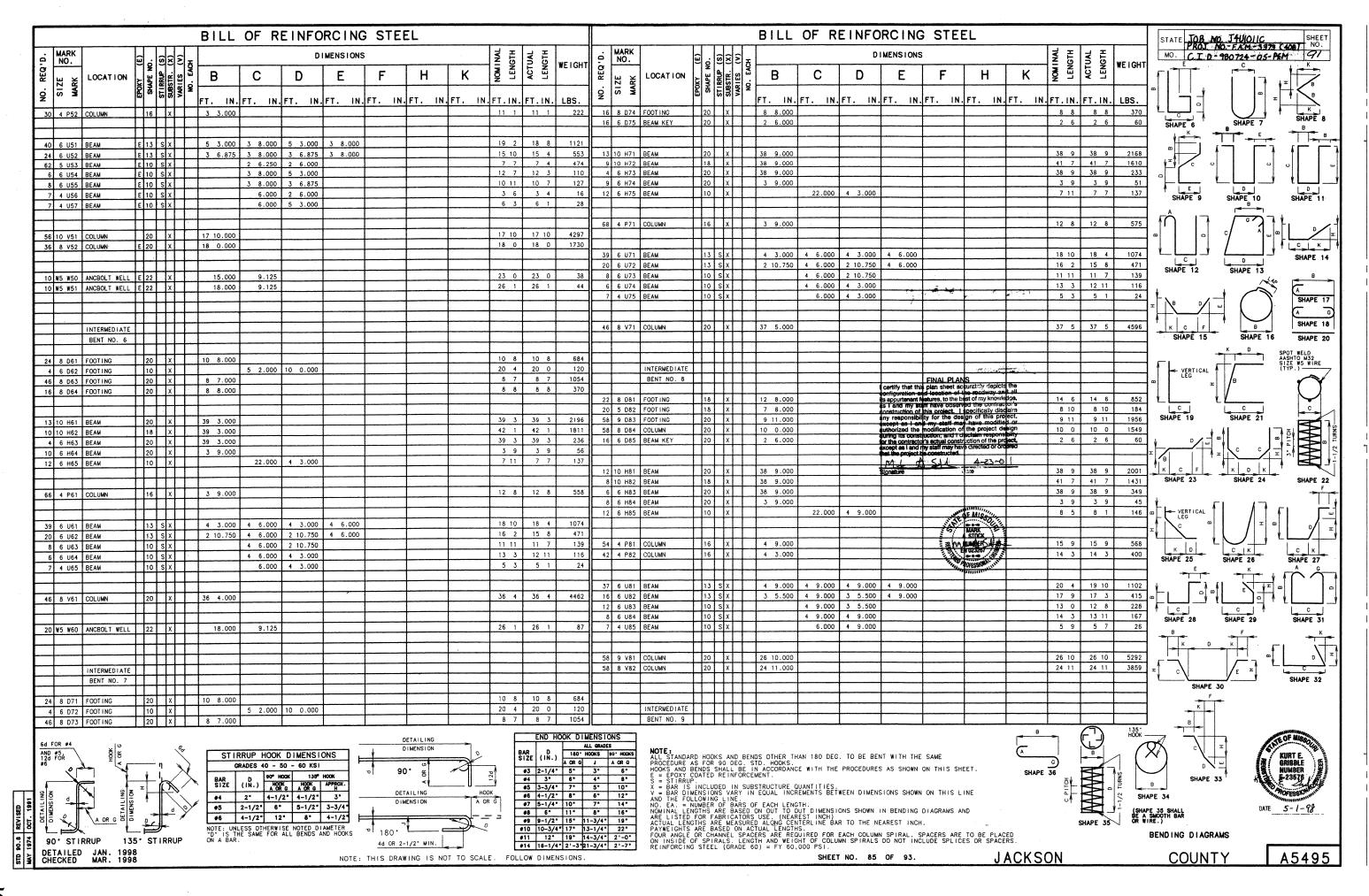


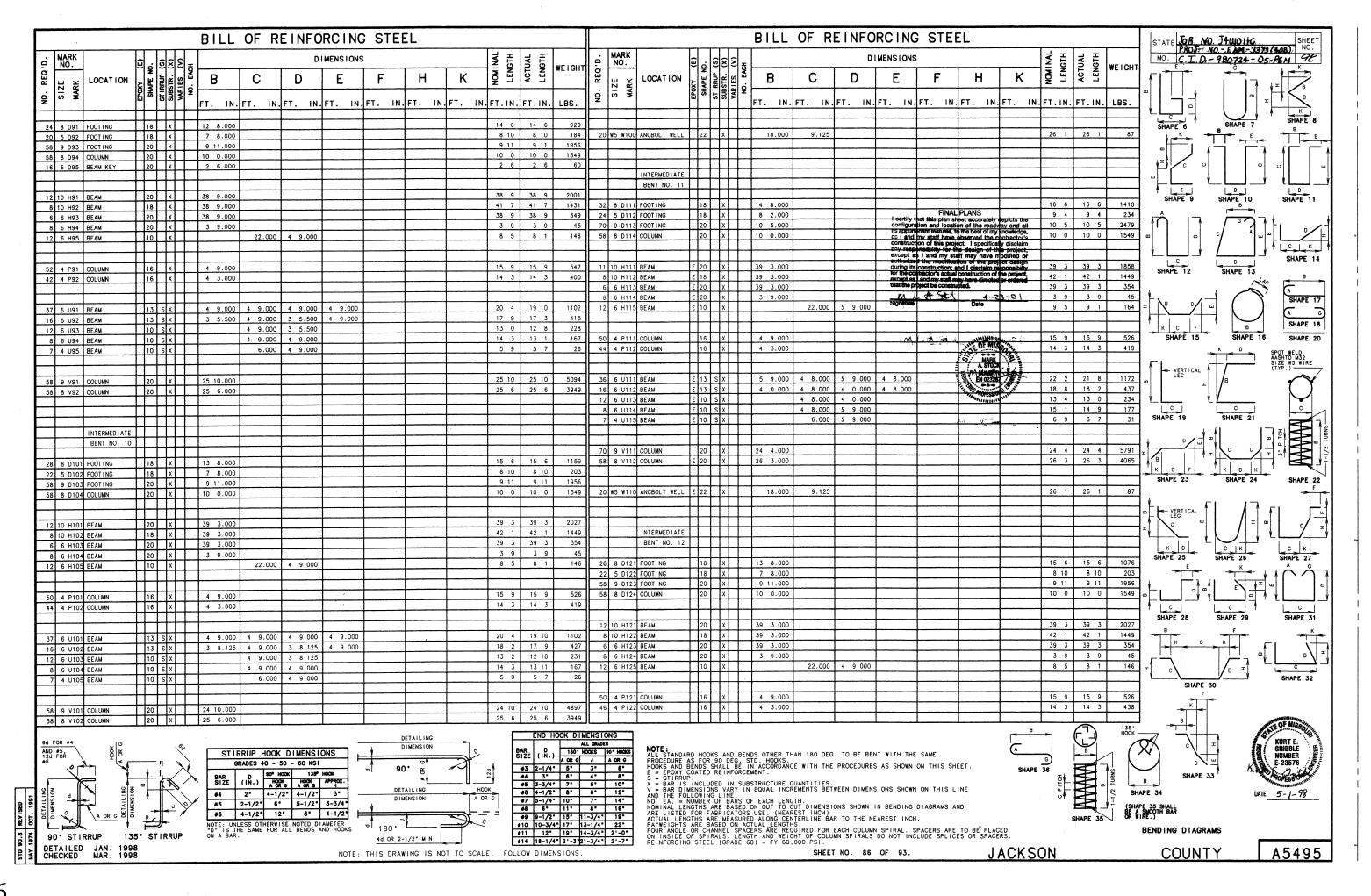


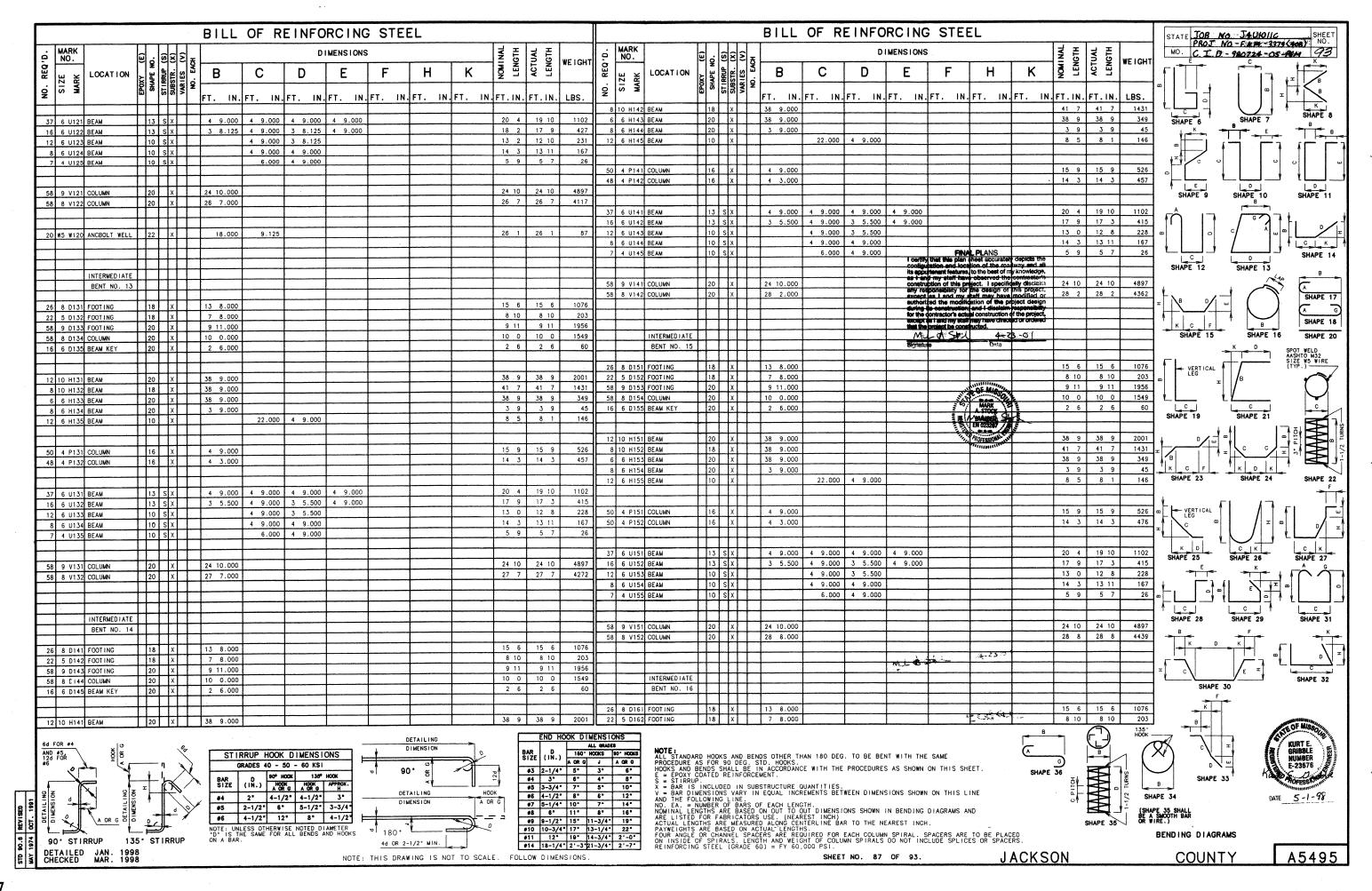


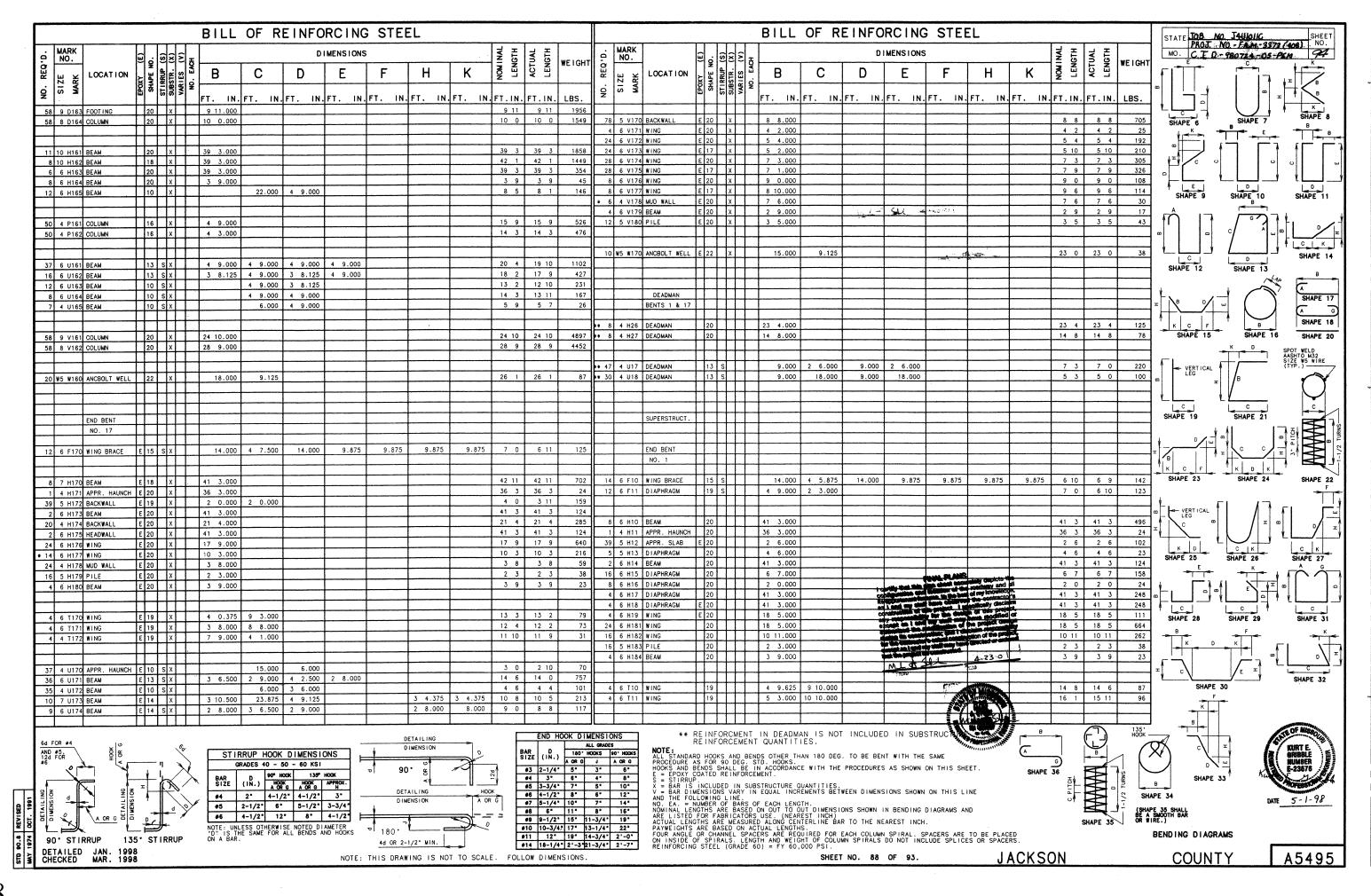


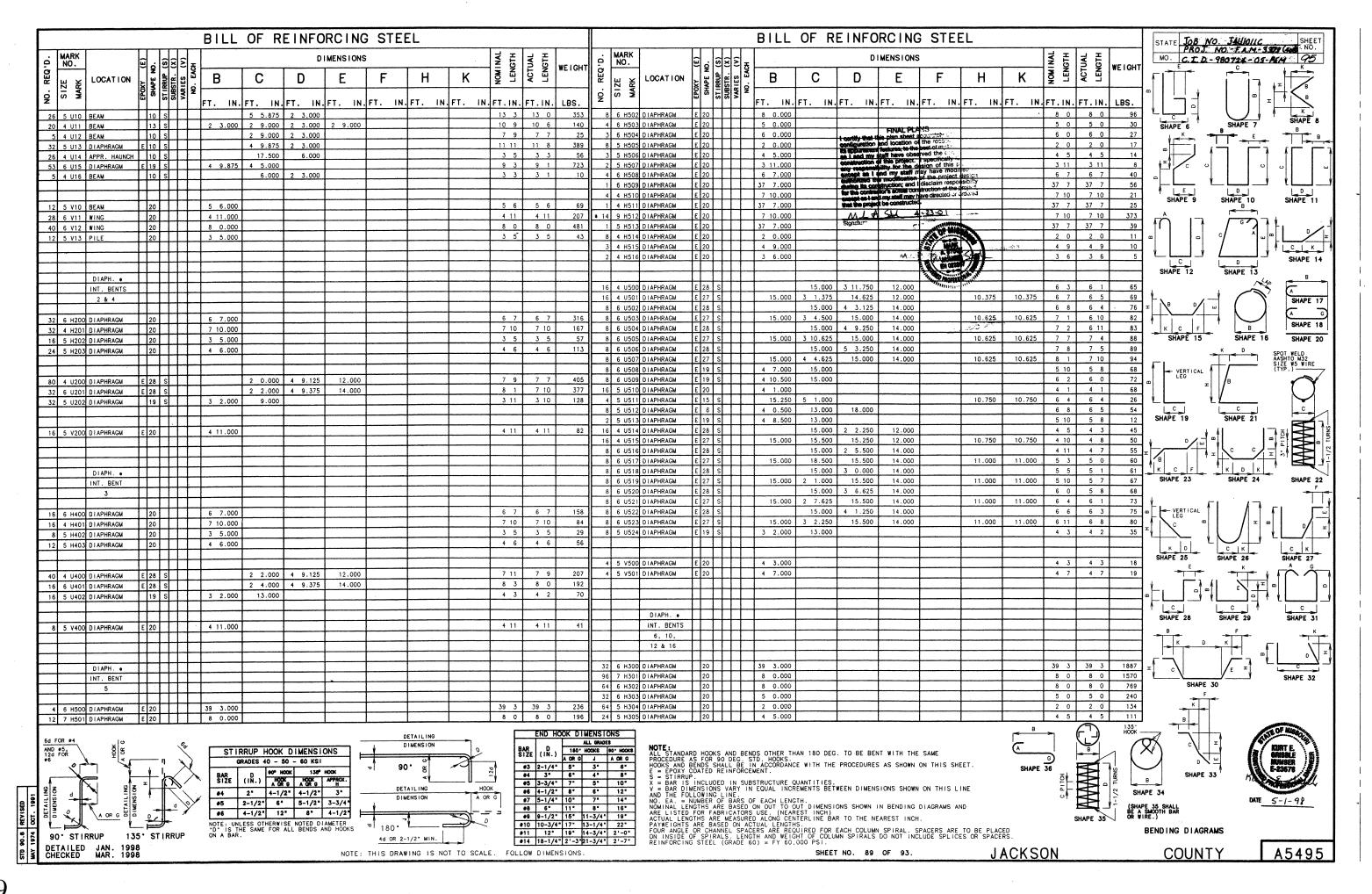


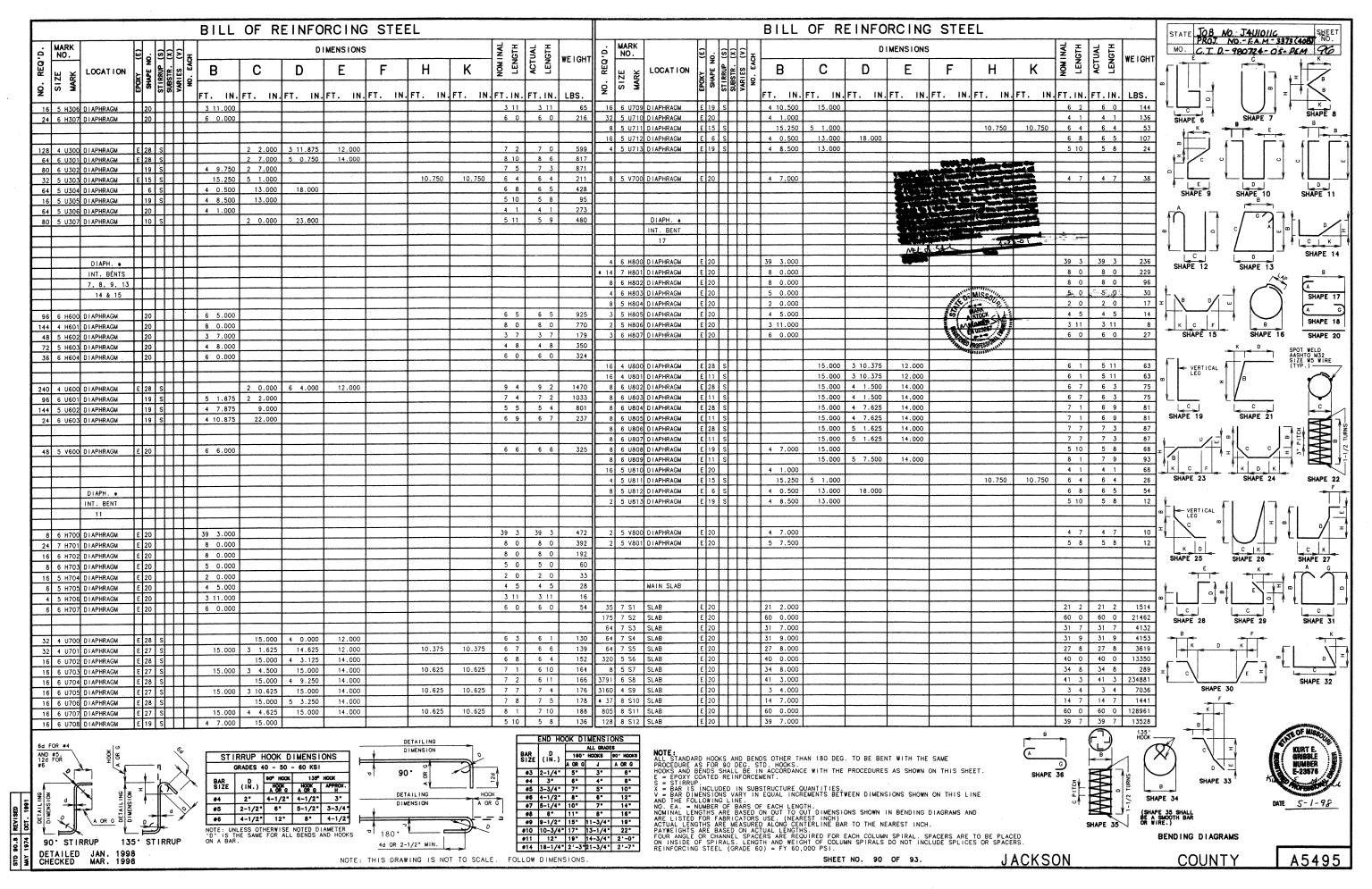


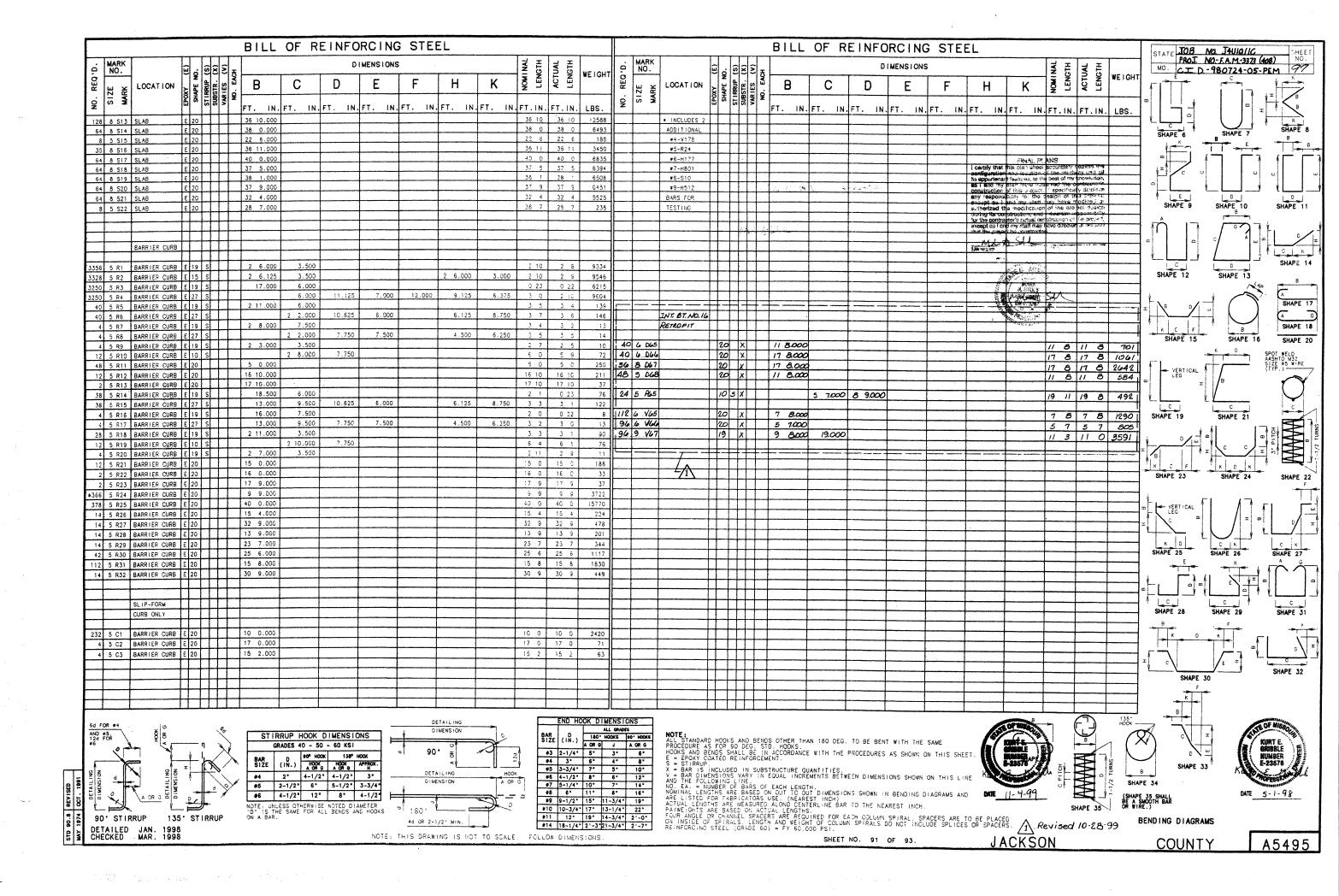


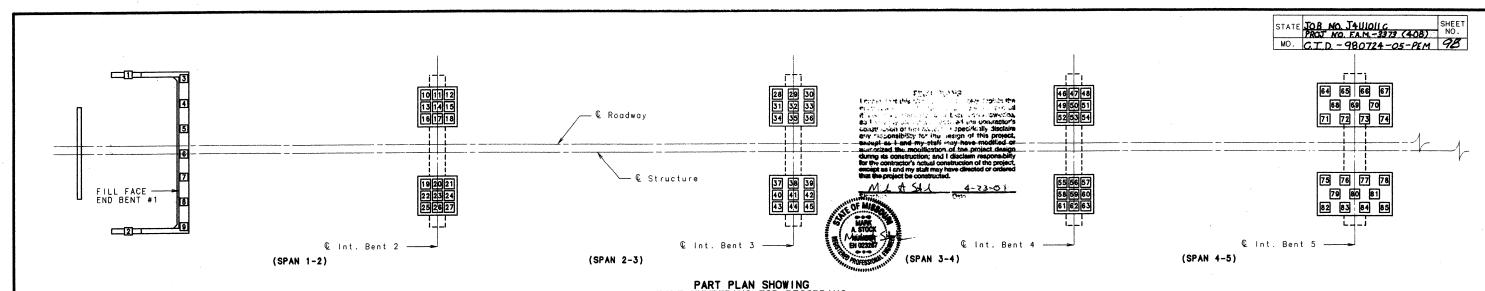












	PAR	T PLA	IN SHO	WING	
PILE	NUME	BERIN	G FOR	RECORD	ING
1	"AS E	BUILT	PILE	" DATA	

			"A	S BUILT PILE" DA	TA					
PILE NO.	LENGTH IN PLACE (FT.)	COMPUTED BEARING (TONS)	PRE BORE	REMAR	KS			PILE NO.	LENGTH IN PLACE (FT.)	COMPUTE BEARING (TONS)
				END BENT	10. 1			32	11.00	114.
1	45.97	59	24.83	DAIVEN TO PRACTICAL REFUSA	L HP 10 x 42	#		33-8	1233	109 /
2	46.30	59	24.88					34-8	1183	109 -
								35	11.00	126
3	46.05	110 🗸	24.08					36 -8	12.18 /	120
4	45.80	126	24.08							
5	45.72	110 -	24.08					37 -8	11.67	120
6	46.05	126	24.08					38	1192	110 ′
7	46.05	126	24.08					39-8	1192/	120 1
8	46.05	126	24.08					40-8	11.50 /	109 /
9	46.05	110 ′	24.08					41	11.83	114
SUB TOTAL	414		218					42-8	11.50/	120 ′
15185				INT. BENT	NO. 2			43-8	11.00	109
10-B	14.85	120	DRIVE	TO PRACTICAL REFUSAL	HP IOX42	#		44	12.08	126
11	14.50	110 -						45 -8	11.67	120 /
12-8	14.75	105 -						SUB	209	
13-8	14.67 /	105								
14	14.67	. 110						4 6-8	11.59/	120 -
15 -8	14.59	105 /						47	12.09	110
16-8	14.85	120						48-8	12.42/	120 -
17	14.42 -	126						49-B	11.67	109
18-8	14.85	105						50	12.34	114
								51-8	12.50	120
19-8	14.92	120 /						52 -8	11.67/	109
20	14.25 /	110				,		53	12.67	126
21-8	14.59 /	120 /						54 -8	11.42	120 /
22 -8	14.67	120								
23	14.42	126-						55 -8	11.42/	120
24-8	15.0 -	105 /						56	1125/	110
25 -8	15.00	105						57 -8	12.00	120
26	14.59 /	126						58-8	11.34	109 /
27 -8	15.17 -	120			-			59	1134	114 /
SUB	265							60-2	11.42 /	120 /
				INT. BENT	NO. 3			61-8	1134/	109 /
28-8	12.00	120 <	DRIVE	Y TO PRACTICAL REFUSA	L HP 10×42#	10' Pre-Bo	re, Paid L.S.	62	1134	126
29	11.00	110 <						63-A	11.34	120 /
30-₿	11.00	120 -					,	TOTAL	211	<u> </u>
			1	1	•	v	/ I	1	i	l
31-B	11.67	109	L						l	·

			"AS BUILT PILE" DATA
PILE NO.	LENGTH IN PLACE (FT.)	COMPUTED BEARING (TONS)	REMARKS
32	11.00	114.	DRIVEN TO PRACTICAL REFUSAL HP10 442# 10 Pre-Bore Paid L.S.
33-8	12:33	109 /	
34 -8	1183	109	
35	11.00	126	
36 -8	12.18	120	
37 -8	11.67	120 ′	
38	11.92	110 /	
39 -8	1192/	120 ′	
40-8	11.50	109 /	
41	11.83	114	
42-B	11.50	120 ′	
43-8	11.00	109	
44	12.08	126 '	
45 -8	11.67	120	↓ ↓ ↓
SUB	209		
			INT. BENT NO. 4
4 6 -8	11.59 /	120 -	DRIVEN TO PRACTICAL RETUSAL HP 10 x 42 #
47	12.09	110	
48 -8	12.42/	120 ′	
49-B	11.67	109	
50	12.34	114	
51-8	12.50	120	
52 -8	11.67/	109	
53	12.67	126	
54 -8	11.42	120	
		,	
55 -8	11.42/	120 1	
56	11.25	110	
57 -8	12.00	120	
58 -8	11.34	109 /	
59	1134	114 /	
59			
59 60 -≇	11.42	120 /	
		120 < 109 <	
60-8	11.42 /		
60 -8	11.42 / 11.34 / 11.34 /	109 /	•

			"AS	BUIL	T PIL	E" DAT	Α		
PILE NO.	LENGTH IN PLACE (FT.)	COMPUTED BEARING (TONS)				REMARK	(S		
					1	NT. BENT	NO. 5		
64-8	13.92	105	DRIVEN	TO PRAC	TICAL	REFUSAL	НР	10×42#	
65	13.12	Jio ⊂							
66	13.67	126		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
67 -8	13.67	120/							
68	13.67	126′							
69	13.67 <	110 /	12.2						
70	13.75 /	110, <							
71-8	13.92	log /	······································		ļ			_	
72	13.67	114			 		·		
73	13.75	110 ~							
74-B	/4:00	105			 				
					ļ				
75-8	13.92	120							
76	13.67/	126			 				
78 -8	13.84	110			 	·····			
79	13.84	105			 		*****		
80-B	/3.84 ~	110	• .		 				
81	13.92	120			 			+	
82-8	13.75	126			 				
83	14:00	105			-				
84	14.00				†				
85-8	13.84	126			<u> </u>			1	
SUB	13.67	120			7				
FOTAL			70 05 00						

NOTE: THIS SHEET TO BE COMPLETED BY MHTD CONSTRUCTION PERSONNEL.

Mich Sel was co-co

KURT E. GRIBBLE BUMBER E-23576

NOTE: INDICATE IN REMARK COLUMN:
A.) IF PILING WERE DRIVEN TO PRACTICAL REFUSAL.
B.) PILE BATTER IF OTHER THAN SHOWN ON BENT DETAIL SHEET.
C.) TYPE OF PILING USED.

JACKSON

SHEET NO. 92 OF 93.

COUNTY

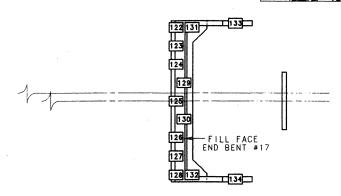
A5495

102

STATE | TOB NO. TAVIOLIC | SHEET | NO. | PROT NO. - FA.M. - 3373 (408) | NO. | C.T. D - 980724 - 05-PEM | 99



Int. Bents No. 8-16 have spread footings, no piles are required.



(SPANS 7-8 THRU 16-17)

PART PLAN SHOWING PILE NUMBERING FOR RECORDING "AS BUILT PILE" DATA

			"AS	BUIL'	T PILE"	DATA	١		
PILE NO.	LENGTH IN PLACE (FT.)	COMPUTED BEARING (TONS)				REMARKS			
					INT.	BENT NO			
86-8	13.25	140 /	DRIVEN	TO PRA	CTICAL . REF	USAL	HP 12*	53**	
87	13.50	135 ·							
88-8	13.75	135							
89-8	13.12	136			1				
90	13.59	147 °			·		7.		
91-8	13.67	135 ′							
92-8	13.75	140 ′							
93	13.50	135 ′							
94-8	13.67	135							
95-₿	13.84	140 /							
96	13.75	147 -							
97-8	13.92	140							
98-8	13.92	135 ′							
99	13.75	135 -							
100 -8	14:00	140-							
1 0 1-B	13.84	1401							
102	13.67	147							
103-B	1384	135			 			<u> </u>	
SUBL	247								

— C. Int. Bent 6

· C Roadway

(SPAN 6-7)

- 🕻 Structure

€ Int. Bent 7 -

			"AS E	3U I	LT	PILI	E" DATA		
PILE NO.	LENGTH IN PLACE (FT.)	COMPUTED BEARING (TONS)					REMARKS		
						IN	T. BENT NO	. 7	
104-8	14.67/	140 /	DRIVEN	To	PRACT	TCAL	REFUSAL	HP 12	¥53 #
105	13.67	133 ′							
106-B	13.84 /	1401							
107-8	13,67/	/35 ^							
108	13.59/	135 ′							
109-8	LIAUI.	140 ′							
110-8	13.59/	140 -							
111	13.67/	147 ′							
112-B	13.84	(35 ′							
113-8	13.84	135 /							
114	13.67/	147 /							
115-8	12.21.	140 ′							
116-8	13.75	140 ′							
117	13.59	135 ′							
118-8	13.75	135 ′				ļ			
119-8	13.75	140 ′				L			
120	13.67	147 ′				ļ			
121-8	13.75	140 /				<u> </u>			↓
SUB	247								

PILE NO.	LENGTH IN PLACE (FT.)	COMPUTED BEARING (TONS)	PREBORE	REMARKS	
				END BENT NO.	17
122-8	59.00	101′	42.04	DRIVEN TO PRACTICAL A	EFUSAL HP 10x42
123-8	<i>5</i> 9.20	115 ′	42.04		
124-8	58.80	115	42.04		
125-8	59.10	115 ′	42.04		
126- 8	59.10	101	42.04		
127- 8	58.70	101/	42.04		
128 -8	58.90	115	42.04		
129	57.00	126	42.04		
130	5700	110	42.04		
131	56.80	126	42:04		
132	57201	110′	42.04		
					,
133	5880	88	44.85		
134	59.10	88	44.79	<u> </u>	
SUB TOTAL	759		552		
					·

NOTE: THIS SHEET TO BE COMPLETED BY MHTD CONSTRUCTION PERSONNEL.





NOTE: INDICATE IN REMARK COLUMN:
A.) IF PILING WERE DRIVEN TO PRACTICAL REFUSAL.
B.) PILE BATTER IF OTHER THAN SHOWN ON BENT DETAIL SHEET.
C.) TYPE OF PILING USED.

SHEET NO. 93 OF 93.

JACKSON

COUNTY

A5495

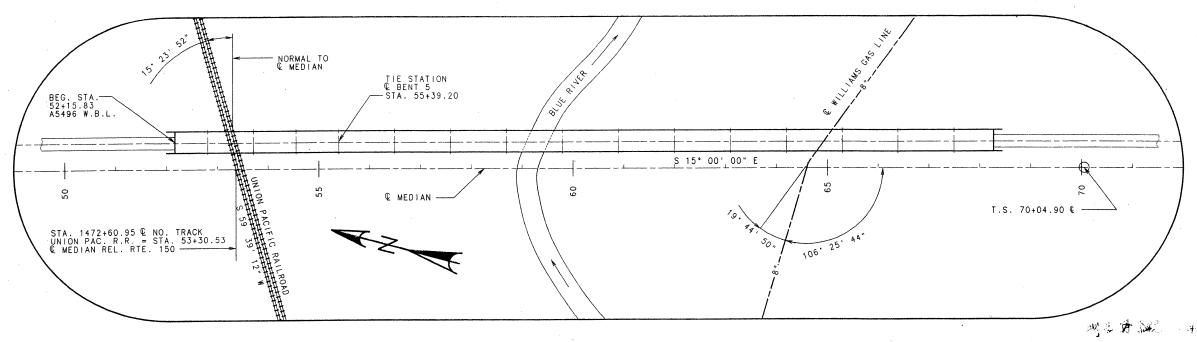
DETAILED JAN. 1998 CHECKED MAR. 1998

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

STATE **TOB NO. TAUGHC** SHEET NO. PROJ. NO. FA.M. 373 (408) NO. MO. C.T. D. - 980724 - 05 - PEM CO. SEC. /SUR . 29 / 30 TWP. 47 RGE . 33

```
DETAILS OF INTERMEDIATE BENT NO. 11
                                                                                                                                                                        DETAILS OF DIAPHRAGM AT END BENT NO. 17
      LOCATION SKETCH & INDEX OF DRAWINGS
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 11
                                                                                                                                                                        DETAILS OF STEEL INTERMEDIATE DIAPHRAGMS
                                                                                 33:
      PART PLAN AND PART ELEVATION
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 12
                                                                                                                                                                        DETAILS OF FINGER PLATE EXPANSION DEVICE AT BENTS 5 & 11
                                                                                                                                                                 65.
       PART PLAN AND PART ELEVATION
                                                                                 34.
                                                                                                                                                                        DETAILS OF FLAT PLATE EXPANSION DEVICE AT END BENT NO. 17
       PART PLAN AND PART ELEVATION
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 12
       PART PLAN AND PART ELEVATION
                                                                                 36.
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 13
                                                                                                                                                                 67.
                                                                                                                                                                        PLAN OF SLAB REINFORCEMENT
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 13
                                                                                                                                                                        PLAN OF SLAB REINFORCEMENT
                                                                                                                                                                 68.
                                                                                 37
       PART PLAN AND PART ELEVATION.
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 14
                                                                                                                                                                        PLAN OF SLAB REINFORCEMENT
                                                                                                                                                                 69.
       GENERAL NOTES-QUANTITIES-PILE & FOOTING TABLE-HYDROLOGIC DATA TABLE
                                                                                 38.
                                                                                                                                                                        PRECAST PRESTRESSED PANELS
                                                                                                                                                                 70.
       BORING DATA
                                                                                 39.
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 14
                                                                                                                                                                        CAMBER DIAGHRAM & SLAB POURING SEQUENCE
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 15
                                                                                                                                                                 71.
       BORING DATA
                                                                                                                                                                        THEORETICAL SLAB HAUNCHING DIAGHRAM
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 15
                                                                                                                                                                 72.
       VERTICAL DRAINS AT END BENTS
                                                                                 41.
10.
                                                                                                                                                                        THEORETICAL BOTTOM OF SLAB ELEVATIONS
       DETAILS OF DEADMAN ANCHORAGE SYSTEM
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 16
                                                                                                                                                                 73.
                                                                                                                                                                        THEORETICAL BOTTOM OF SLAB ELEVATIONS
                                                                                        DETAILS OF INTERMEDIATE BENT NO. 16
                                                                                                                                                                 74.
       DETAILS OF END BENT NO. 1
                                                                                        DETAILS OF END BENT NO. 17
                                                                                                                                                                        DETAILS OF SLAB DRAINS
       DETAILS OF END BENT NO. 1
                                                                                        DETAILS OF END BENT NO. 17
                                                                                                                                                                        DETAILS OF SLAB DRAINS
       DETAILS OF INTERMEDIATE BENT NO. 2
                                                                                 45.
                                                                                        DETAILS OF END BENT NO. 17
                                                                                                                                                                 77.
                                                                                                                                                                        DETAILS OF SLAB DRAINS
       DETAILS OF INTERMEDIATE BENT NO. 2
                                                                                 46.
                                                                                        DETAILS OF LAMINATED NEOPRENE BEARING PAD
                                                                                                                                                                        DETAILS OF SAFETY BARRIER CURB AT END BENT NO. 1 AND END BENT NO. 17.
                                                                                                                                                                 78.
       DETAILS OF INTERMEDIATE BENT NO. 3
                                                                                 47
16.
                                                                                                                                                                        DETAILS OF SAFETY BARRIER CURB - SECTION NEAR LEFT BARRIER CURB
                                                                                        DETAILS OF TYPE "N" PTFE BEARING PAD
                                                                                                                                                                 79.
       DETAILS OF INTERMEDIATE BENT NO. 3
                                                                                 48.
17.
       DETAILS OF INTERMEDIATE BENT NO. 4
                                                                                                                                                                        OPTIONAL SLIP-FORM BRIDGE SAFETY BARRIER CURB
                                                                                        DETAILS OF GIRDERS - SPAN (1-2)
                                                                                                                                                                 80.
18.
                                                                                 50.
                                                                                        DETAILS OF GIRDERS - SPAN (2-3)
                                                                                                                                                                 81.
                                                                                                                                                                        DETAILS OF SPLASH PROTECTION SHIELD
       DETAILS OF INTERMEDIATE BENT NO. 4
19.
                                                                                        DETAILS OF GIRDERS - SPAN (3-4)
                                                                                                                                                                        APPROACH SLAB AT END BENT NO. 1
                                                                                                                                                                 82.
       DETAILS OF INTERMEDIATE BENT NO. 5
                                                                                 51
20.
                                                                                                                                                                        APPROACH SLAB AT END BENT NO. 17
                                                                                        DETAILS OF GIRDERS - SPAN (4-5)
                                                                                                                                                                 83.
       DETAILS OF INTERMEDIATE BENT NO. 5
                                                                                 52.
21.
                                                                                                                                                                        RAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 6
                                                                                 53.
                                                                                        DETAILS OF GIRDERS - SPAN (5-6)
                                                                                                                                                                 84.
                                                                                        DETAILS OF GIRDERS - SPANS (6-7), (7-8), (8-9) & (9-10)
                                                                                                                                                                        BAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 6
                                                                                        DETAILS OF GIRDERS - SPAN (10-11)
                                                                                                                                                                 86.
                                                                                                                                                                        BAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 7
                                                                                 55.
                                                                                                                                                                        BAR BILL
                                                                                        DETAILS OF GIRDERS - SPAN (11-12)
       DETAILS OF INTERMEDIATE BENT NO. 7
                                                                                 56.
                                                                                                                                                                 87.
                                                                                        DETAILS OF GIRDERS - SPANS (12-13), (13-14), (14-15) & (15-16)
                                                                                                                                                                        BAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 8
                                                                                                                                                                 88.
                                                                                                                                                                        BAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 8
                                                                                 58.
                                                                                        DETAILS OF GIRDERS - SPAN (16-17)
                                                                                                                                                                 89.
                                                                                        DETAILS OF DIAPHRAGM AT INTERMEDIATE BENTS NO. 2, 4, 6, 10, 12 & 16
       DETAILS OF INTERMEDIATE BENT NO. 9
                                                                                                                                                                        BAR BILL
       DETAILS OF INTERMEDIATE BENT NO. 9
                                                                                        DETAILS OF DIAPHRAGM AT INTERMEDIATE BENTS NO. 3, 7, 8, 9, 13, 14 & 15
                                                                                                                                                                        BAR BILL
                                                                                 60.
                                                                                                                                                                         "AS BUILT PILE" DATA
                                                                                        DETAILS OF DIAPHRAGM AT INTERMEDIATE BENT NO. 5
       DETAILS OF INTERMEDIATE BENT NO. 10
                                                                                 61.
30.
                                                                                        DETAILS OF DIAPHRAGM AT INTERMEDIATE BENT NO. 11
                                                                                                                                                                         "AS BUILT PILE" DATA
       DETAILS OF INTERMEDIATE BENT NO. 10
```



LOCATION SKETCH

BM#1501 - ELEV. 866.16 100d SPIKE, N.W. FACE R.R. TELEGRAPH POLE, 200' R/O STA. 53+30± © RELOCATED RTE. 150.

BRIDGE OVER BLUE RIVER & UNION PACIFIC RAILROAD

STATE ROAD FROM RTE. 71 TO KANSAS STATE LINE ABOUT 0.7 MI. S.E. OF KANSAS STATE LINE PROJECT NO. STA. 55+39.20

JOB NO. J4U1011C

RTE.150 W.B.L.

JACKSON

COUNTY

STD. 609.00 STD. 706.35 A5496

PETROLEUM PRODUCTS PIPELINE!

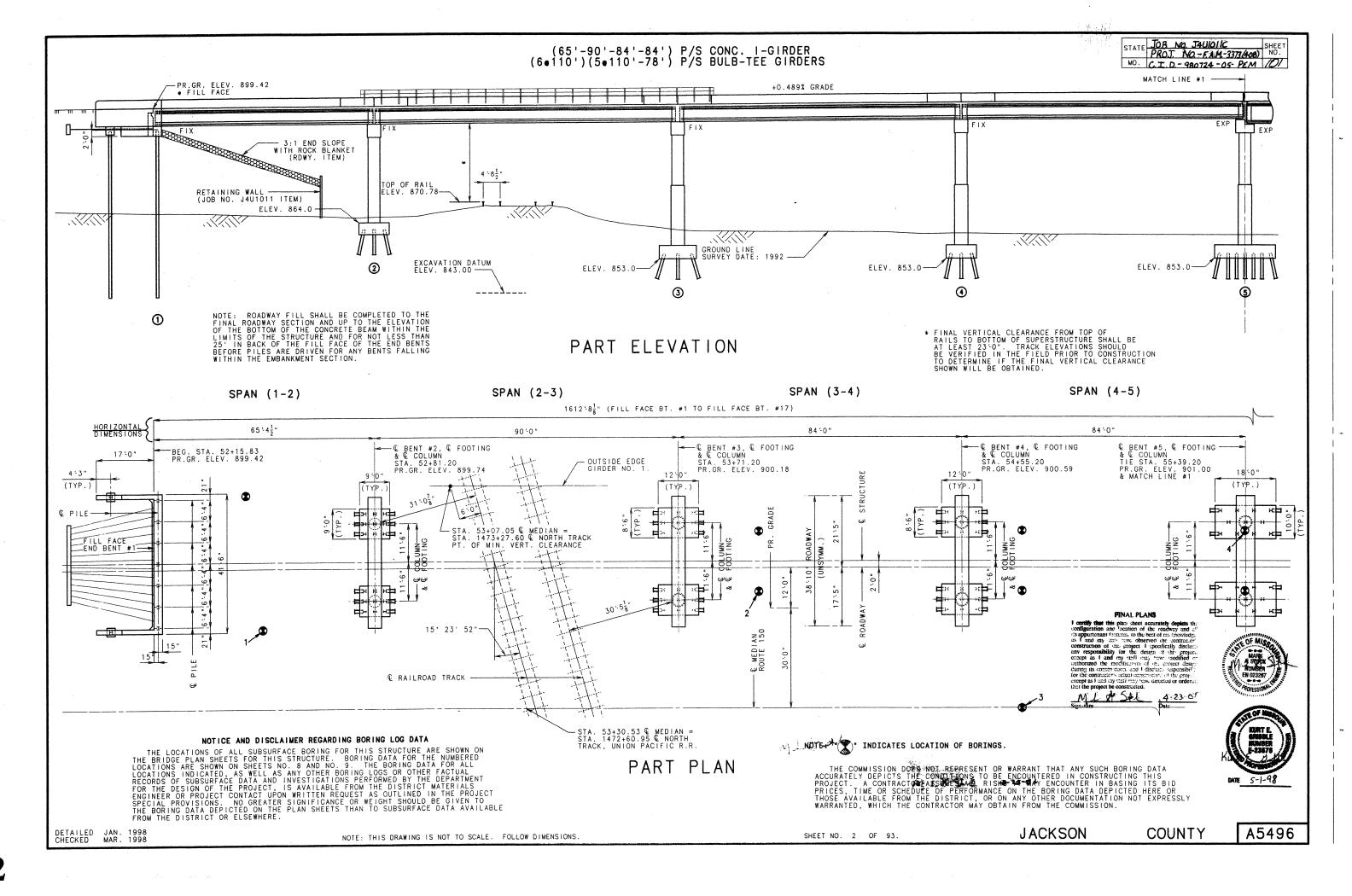
AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION CONTACT WILLIAMS PIPE LINE COMPANY AT 8001 COLLEGE BLVD., SUITE 200 OVERLAND PARK, KS 66210 (913) 663-9331

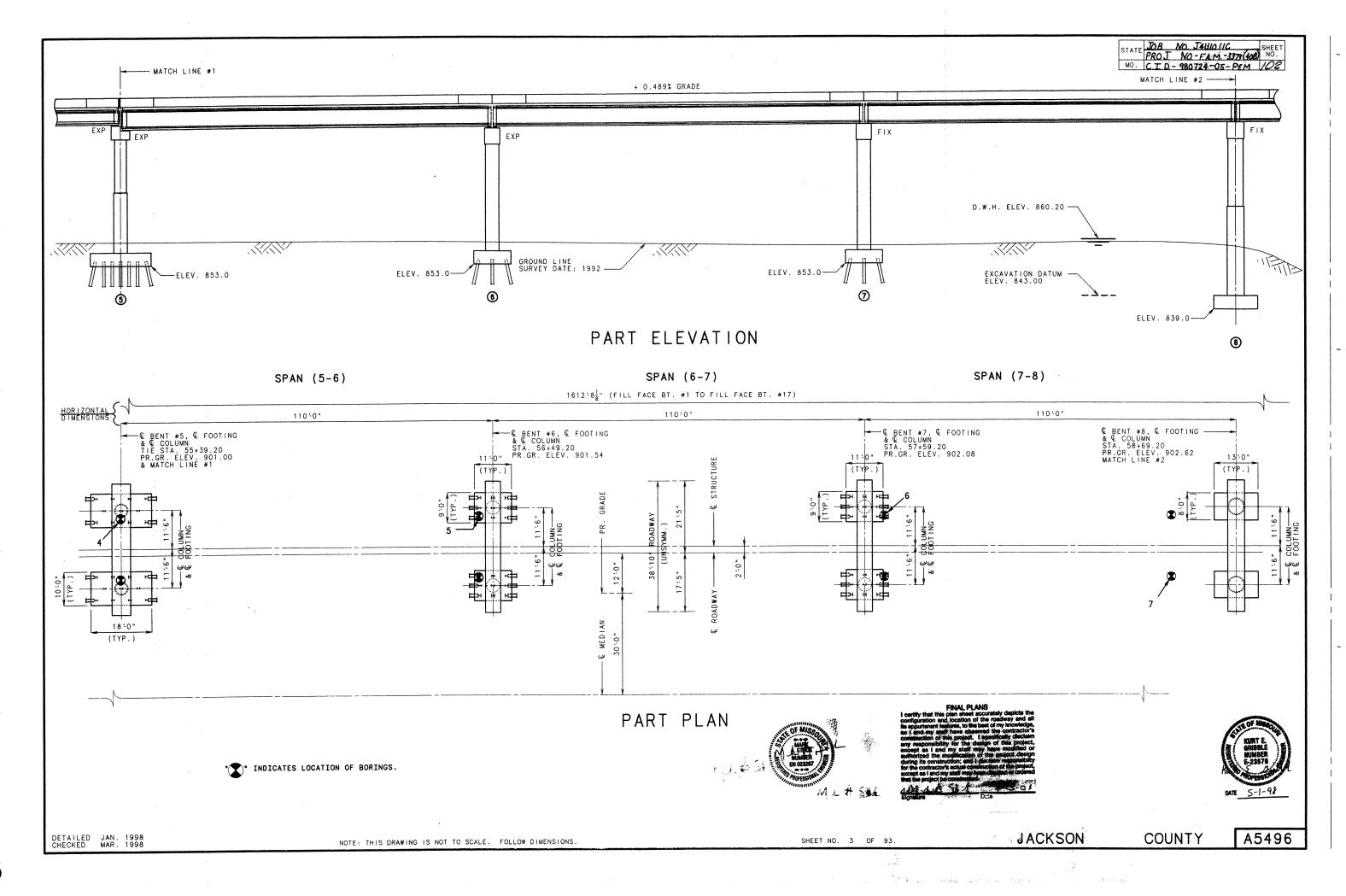
DESIGNED JULY 1998 DETAILED JAN. 1998 CHECKED MAR. 1998

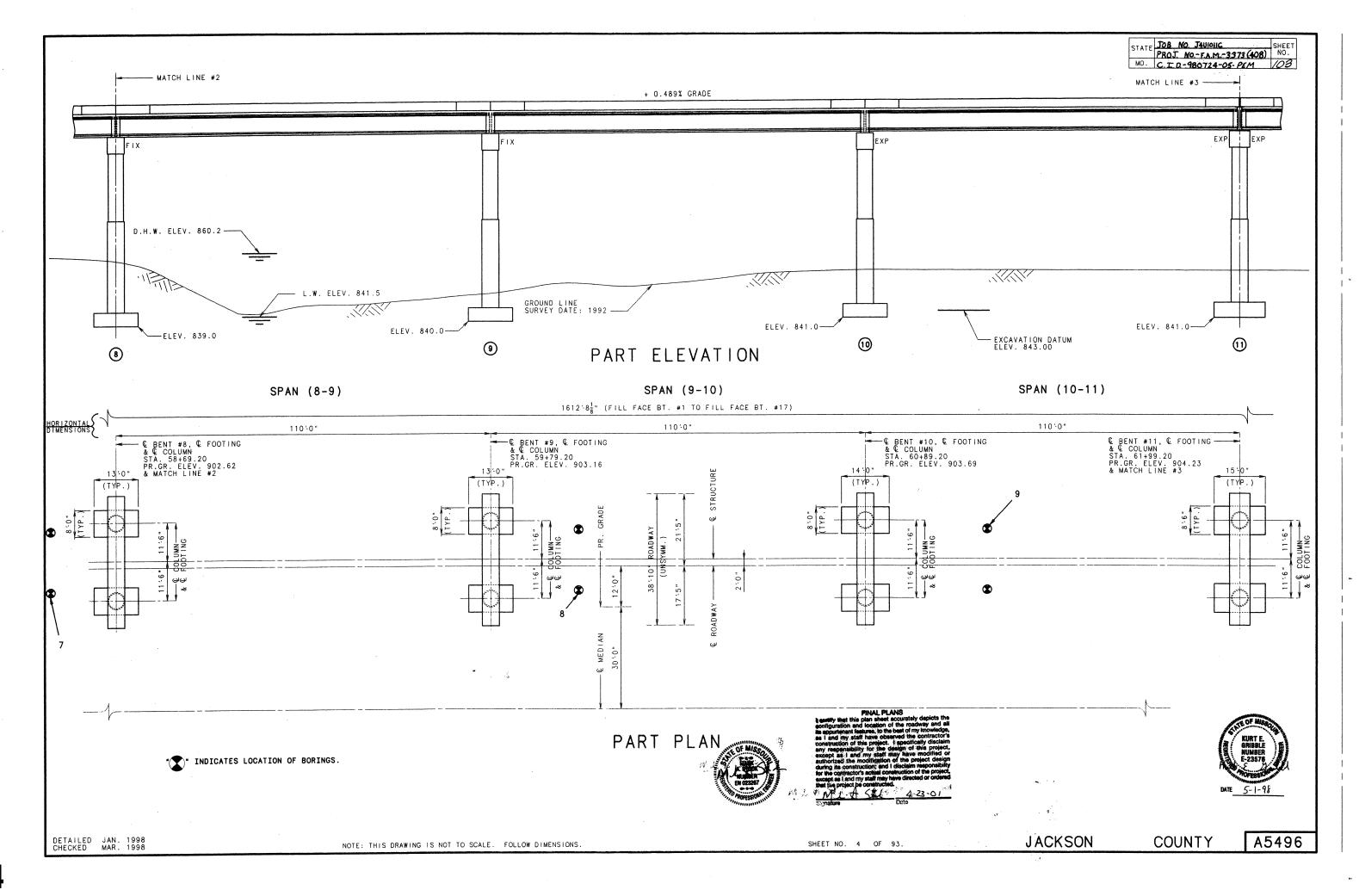
NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

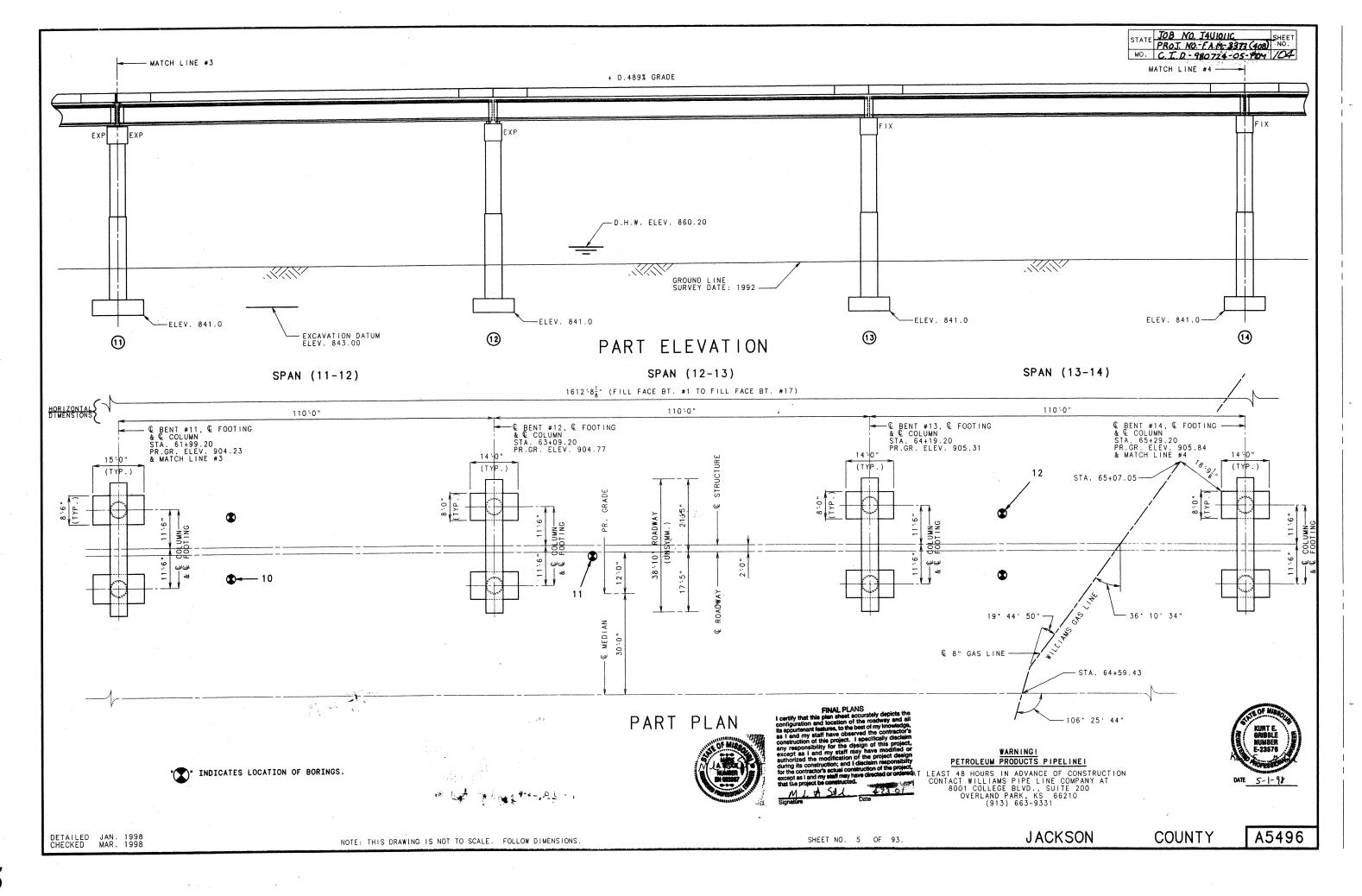
SHEET NO. 1 OF 93.

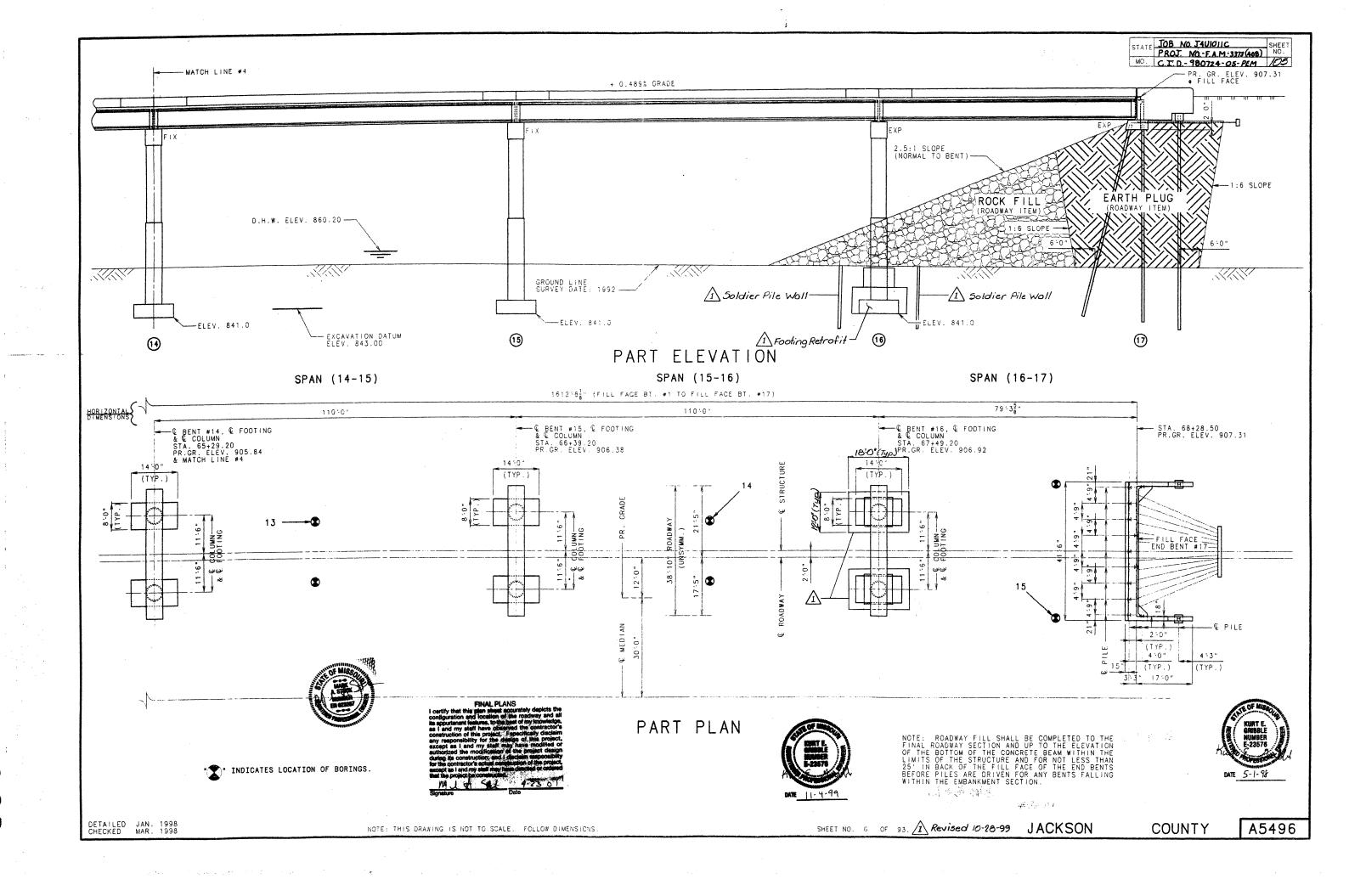
DATE 5/14/98











GENERAL NOTES:

DESIGN SPECIFICATIONS:

AASHTO-1996 LOAD FACTOR DESIGN SEISMIC PERFORMANCE CATEGORY A

DESIGN LOADING:

HS20 MODIFIED

35#/SQ. FT. FUTURE WEARING SURFACE

MILITARY 24,000# TANDEM AXLE

EARTH 120#/CU. FT. EQUIVALENT FLUID PRESSURE Bent No. 1 =

61.9#/CU. FT. Bent No. 17 = 45#/CU. FT.

SUPERSTRUCTURE: SIMPLY-SUPPORTED, NON-COMPOSITE FOR DEAD LOAD.

CONTINUOUS COMPOSITE FOR LIVE LOAD.

DESIGN UNIT STRESSES:

CLASS B CONCRETE (SUBSTRUCTURE) F C=3.000 PS!.

CLASS B1 CONCRETE (SAFETY BARRIER CURB) F C=4.000 PSI.

CLASS B2 CONCRETE (SUPERSTRUCTURE, EXCEPT PRESTRESSED GIRDERS AND SAFETY BARRIER CURB) F C=4.000 PS!

REINFORCING STEEL (GRADE 60) FY=60.000 PSI.

STEEL PILE (ASTM A709 GRADE 36)FB = 9000 PSI

FY = 36000 PSI

FOR PRESIRESSED GIRDER STRESSES, SEE SHEETS NO. 49 THRU 58. FOR PRECAST PRESTRESSED PANEL STRESSES, SEE SHEET NO. 70.

REINFORCING STEEL:
MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1-1/2", UNLESS
OTHERWISE SHOWN.
ALL REINFORCING BARS IN TOPS OF SUBSTRUCTURE BEAMS OR CAPS SHALL
BE SPACED TO CLEAR ANCHOR BOLT WELLS FOR BEARINGS BY AT LEAST 1/2".

ALL JOINT FILLER SHALL MEET THE REQUIREMENTS OF STD. SPEC. 1057.2.4, EXCEPT AS NOTED.

NEOPRENE BEARINGS:
BEARINGS SHALL BE 60 DUROMETER NEOPRENE PADS.
THE NEOPRENE PAD SHALL BE BONDED TO THE BEARING SEAT WITH AN EPOXY
ADHESIYE AS APPROVED BY THE BEARING MANUFACTURER FOR BONDING NEOPRENE TO
CONCRETE.

MISCELLANEOUS:

A MINIMUM VERTICAL CLEARANCE OF 21'6" FROM TOP OF RAILS AND A MINIMUM LATERAL CLEARANCE OF 15'0" FROM THE CENTERLINE OF TRACK TO NEAREST TEMPORARY CONSTRUCTION FALSEWORK SHALL BE MAINTAINED DURING CONSTRUCTION.

HIGH STRENGTH BOLTS, NUTS AND WASHERS WILL BE SAMPLED FOR QUALITY ASSURANCE AS SPECIFIED IN STANDARD SPECIFICATION 106 AND FIELD SECTION (FS-712) FROM MATERIALS MANUAL.

	FINAL QUANTI		SUBSTR.	SUPERSTR.	TOTAL
J	ITEM	CU. YD.	30831K.	SUFERSIN.	101AL
<u> </u>	EXCAVATION	CU. YD.	281.0		280
	EXCAVATION	LUMP SUM		<u> </u>	1
	MS (BENT 8)	LUMP SUM	1/		1
_	MS (BENT 9)	SQ. YD.	<u> </u>	219 /	219
\ 	PPROACH SLAS (BRIDGE)	LIN. FT.	2261	2137	72261
` <u> </u>	AL STEEL PILES (10")	LIN. FT.	4.86	 	486
<u> </u>	AL STEEL PILES (12")	LIN. FT.	769		₹769
<u> </u>	FOR PILING CONCRETE (SUBSTR.)	CU. YD.	7819.4	<u> </u>	1819.4
_	ANCHORAGE ASSEMBLY	EACH	2 /	 	12
\ <u></u>	VE COATING-CONCRETE BENTS (DELETERIOUS AGENTS)	LUMP SUM		 	1
<u> </u>	CONCRETE 1-GIRDER	SO. YD.	ļ	1488/	1468
_	ARRIER CURB	LIN. FT.		3292	3292
	CONCRETE BULB-TEE GIRDER	SQ. YD.		5931	5931
	OPRENE BEARING PAD	EACH	 	5/	55
_	D NEOPRENE BEARING PADS	EACH	 	90/	90
\ <u></u>	D NEOPRENE BEARING PAD (P/S STRUCTURE)	EACH		45/	45
	TE BEARINGS	EACH		20/	20
	SED CONCRETE !-GIRDER (65°0°)	EACH		5 ′	5
	SED CONCRETE :-GIRDER (84:0")	EACH		10 ′	10
	SED CONGRETE (-GIRDER (90.0")	EACH	 	5 ′	5
	SED CONCRETE BULB-TEE GIRDER (78-0")	EACH		5/	→ 5
	SED CONCRETE BULB-TEE GIRDER (11010")	EACH		55 🔨	55
	HING STEEL (BRIDGES)	LB.	(253,820)	+===	253,820
	ING STEEL (EPOXY COATED)	LB.	24.950	<u> </u>	24,950
	N DEVICE (FINGER PLATE)	LIN. FT.		78/	~78
	N DEVICE (FLAT PLATE)	LIN. FT.		39 /	39
SLAB DR		EACH	 	252	252
_	DRAIN AT END BENTS	EACH /	 		2
< 	PROTECTION SHIELD	LUMP SUM	0	 	10
—	gent Item	Unit		†	†
	COTING AT BENT # 16 FORCE ACCOUNT	F.A.	192247.53	1	192,2475
	2+50 % EXCAVATION	C.U. YO	78.5		78.5
	e for Pilina	L.S.	1 -	†	1 -
	ion Test Holes /	L. F.	148-	1	1148
Misc. S	tructural Steel / BAR REINFORCING	L. S		1	1 - C

PILE & FOOTING DATA

	BENT NO.		1 (WING)	1 (BEAM)	2	3	4	5	6	7	8	9
	PILE TYPE AND SIZE		HP10×42	HP10×42	NHP10x42	HP10×42	HP10×42	HP10×42	HP12x53	HP12×53	-	_
1	NUMBER		~ 2	7	\18	20	20	22	18	18	-	-
BEARING	APPROXIMATE LENGTH	FT.	46	~46	14	>11	13	14	13	14		
PILE	DESIGN BEARING	TONS	29	55	51	52 `	51	5 4	70	70	- '	-
	HAMMER ENERGY REQUIRED	FTLBS.	. 7000	12400	12100	12200	12100	12800	15800	15800	-	
020540	FOUNDATION MATERIAL		, -	-	_	-				-	ROCK	ROCK
SPREAD OOTINGS		IS/SQ. FT.	, -	-		-	-				8.0	71.6
	BENT NO.		10	_ 11	12	13	14	15	16	17 (BEAM)	17 (WING)	
						7	T			N 40 10 42	401/1/12	

	BENT NO.	10	, 11	12	13	14	15	16	17 (BEAM)	17 (WING)	
	PILE TYPE AND SIZE	-	-	-	-	-	-	-	➤ HP10x42	HP10x42	
	NUMBER	-	-	-	-	-	-	-	> 11	2	
BEARING PILE		-	-	-	-	-	-	-	60	60	
PILE	DESIGN BEARING TONS	-	-	-	_	-	-	-	52	2 4	
	HAMMER ENERGY REQUIRED FTLBS		-	-	-	-		T -	13000	8200	
	FOUNDATION MATERIAL	ROCK	ROCK	ROCK	ROCK	ROCK	ROCK	ROCK	-	-	
SPREAD FOOTINGS	DESIGN BEARING TONS/SQ. FT	. 7.5	8.0	7.5	7.4	7.6	7.6	7.9	-	-	

NOTE: MINIMUM ENERGY REQUIREMENT OF HAMMER IS BASED ON PLAN LENGTH AND DESIGN BEARING VALUE OF PILES.

ALL PILES SHALL BE DRIVEN TO PRACTICAL REFUSAL.

PREBORE FOR PILES AT BENTS 1 AND 17 TO ELEVATIONS 867.0 AND 855.0, RESPECTIVELY.

CONT. 5304 - PREBORE FOR PILES AT BENT 3 TO ELEV. 843.0 , PER L.S.

DETAILED JAN. 1998 CHECKED MAR. 1998

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.



STATE FRO. JAUIOIIC SHEET NO. PROJ. NO. - FAM. - 3373 (408) MO. C.I.D. - 980724 - 05- PEM 106

CU. YDS. 357.4

FINAL QUANTITIES FOR SLAB ON CONCRETE I-GIRDER TOTAL REINFORCING STEEL (PLAIN) 5090 109,190 REINFORCING STEEL (EPOXY COATED) LBS

FINAL QUANTITIES FOR SLAB ON CONCRETE BULB-TEE GIRDER TOTAL REINFORCING STEEL (PLAIN) 11.760 LBS REINFORCING STEEL (EPOXY COATED) LBS. 105,470 CU. YDS. 1467.2

NOTE: THE TABLE OF ESTIMATED QUANTITIES FOR SLAB ON CONCRETE 1-GIRDER AND SLAB ON BULB-TEE GIRDER REPRESENTS THE QUANTITIES USED BY THE STATE IN PREPARING THE COST ESTIMATE FOR CONCRETE SLABS. VARIATIONS MAY BE ENCOUNTERED IN THESE ESTIMATED QUANTITIES BUT THESE VARIATIONS CANNOT BE USED FOR AN ADJUSTMENT. IN THE CONTRACT UNIT PRICE PER SQUARE YARD OF SLAB ON CONCRETE 1-GIRDER AND SLAB ON CONCRETE BULB-TEE GIRDER.

 $\ *$ Based on minimum top' flange thickness and minimum joint filler thickness.

THE PRESTRESSED PANEL QUANTITIES ARE NOT INCLUDED IN THE TABLE OF $\frac{\text{CSTHMATED}}{\text{CONCRETE}}$ QUANTITIES FOR SLAB ON CONCRETE M-GIRDER OR SLAB ON CONCRETE BULB-TEE GIRDER.

NOTE: ALL CONCRETE ABOVE

THE CONSTRUCTION JOINT IN END BENT NO. 1 IS INCLUDED IN THE QUANTITIES FOR SLAB ON CONCRETE I-GIRDER.

ALL REINFORCEMENT IN END BENT NO. 1 IS INCLUDED IN THE $\frac{\text{EST-MATED}}{\text{CONCRETE}}$ QUANTITIES FOR SLAB ON CONCRETE I-GIRDER.

THE COST OF FURNISHING, FABRICATING AND INSTALLING NEOPRENE BEARING PADS, COMPLETE-IN-PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR PLAIN AND LAMINATED NEOPRENE BEARING PADS, PER EACH.

** SAFETY BARRIER CURB, SHALL BE CAST-IN-PLACE OFFICE SLIP-FORM OFFICE.

CONCRETE ABOVE THE UPPER CONSTRUCTION JOINT IN BACKWALL AT END BENT NO. 17 IS INCLUDED WITH CLASS B2 CONCRETE SLAB ON CONCRETE BULB-TEE GIRDER QUANTITIES.

ALL REINFORCEMENT IN THE INTERMEDIATE BENT CONCRETE DIAPHRAGMS EXCEPT REINFORCEMENT EMBEDDED IN THE BEAM CAP IS INCLUDED IN THE ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-GIRDER.

ALL CONCRETE ABOVE THE INTERMEDIATE BENT CAP IS INCLUDED IN THE ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-GIRDER.

HYDROLOGIC DATA

DRAINAGE AREA = 89 SQUARE MILES DESIGN HIGH WATER ELEV. = 860.2 (100 YEARS) DESIGN DISCHARGE = 23,000 c.f.s.(100 YEARS).

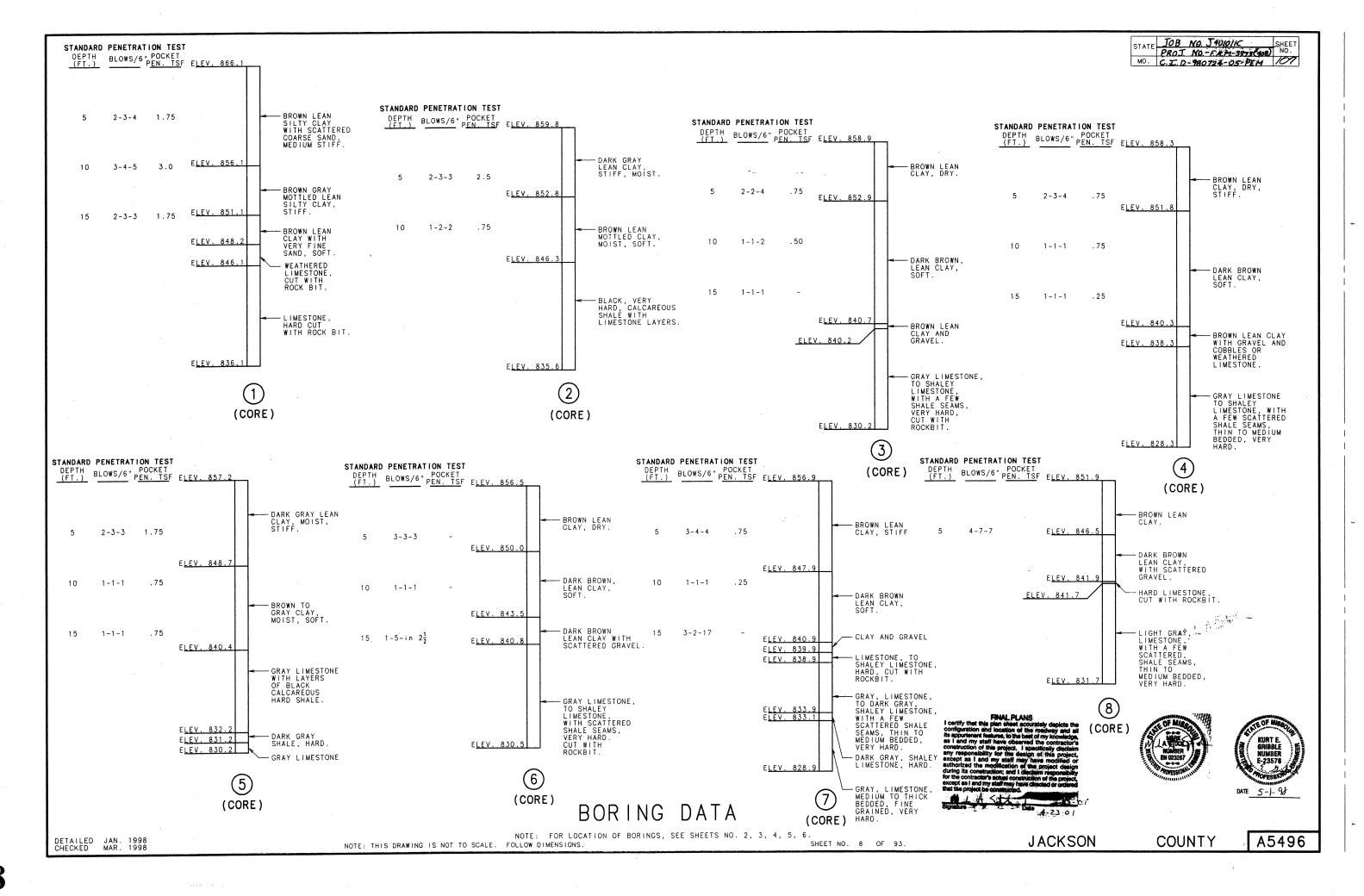
ESTIMATED BACKWATER = 0.2 FT.

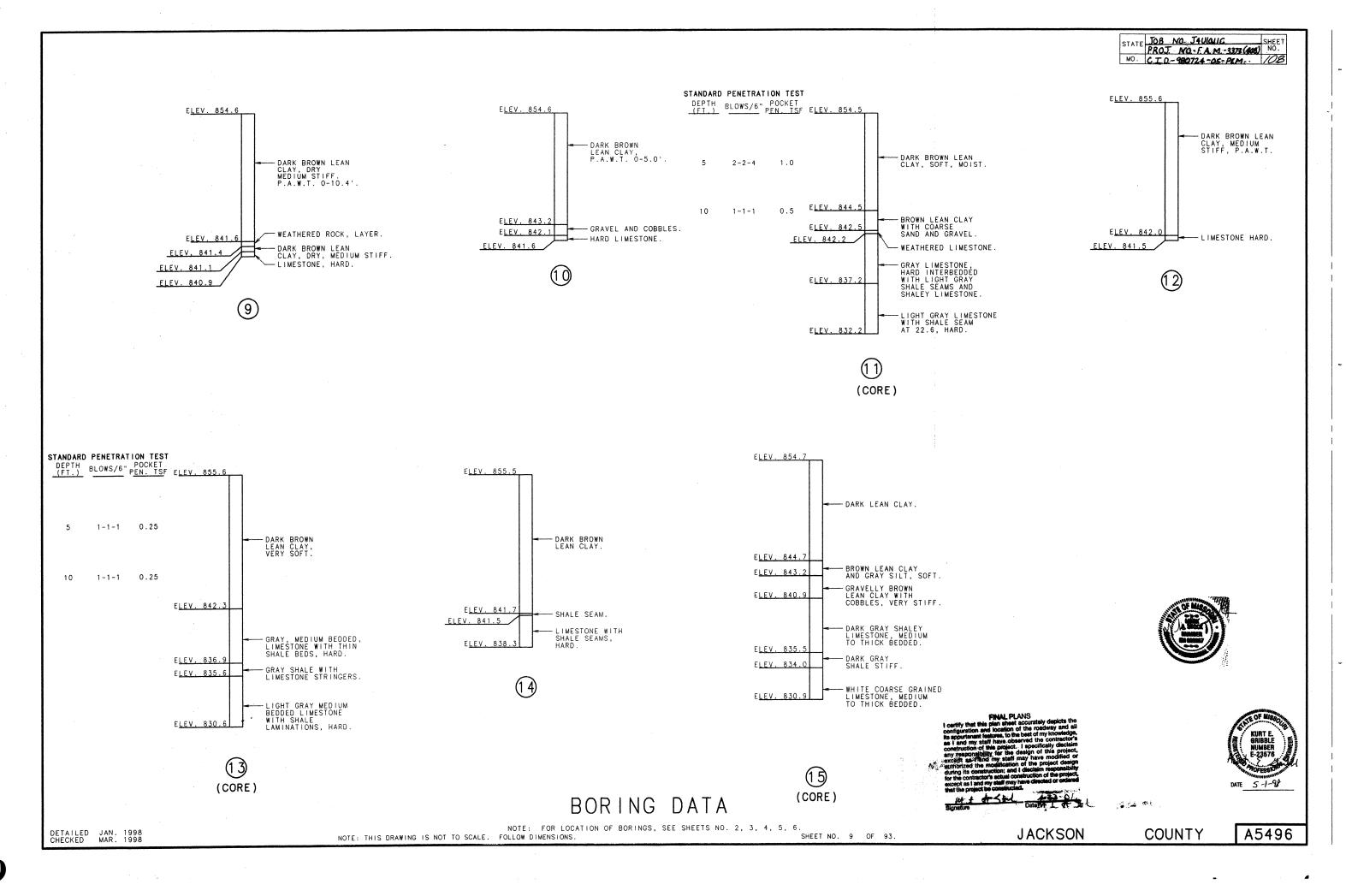


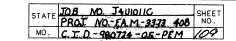
SHEET NC. 7 OF 93. 1 Revised 10-28-99

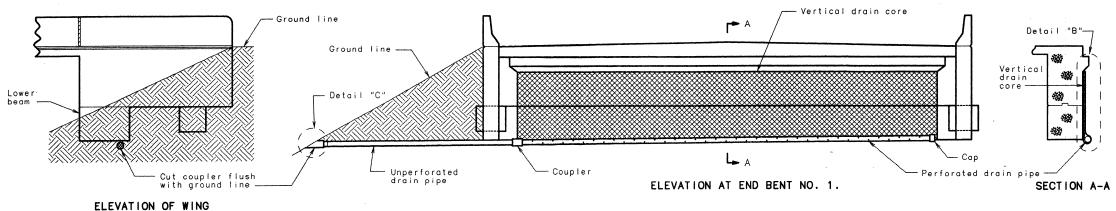
JACKSON

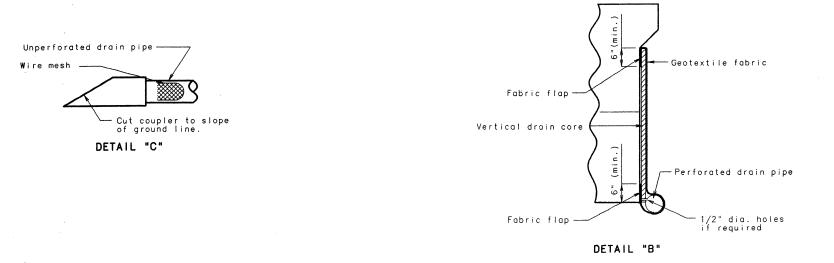
COUNTY









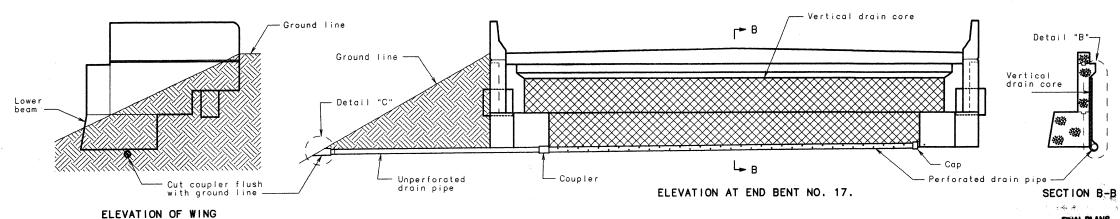


NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

Drain pipe may be either 6" diameter corrugated metallic-coated steel pipe underdrain, 4" diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4" diameter corrugated polyethylene (PE) drain pipe.

Place drain pipe at fill face of end bent and slope to lowest grade of ground line, also missing the lower beam of end bent by 1-1/2". (See Elevation At End Bent)

Perforated pipe shall be placed at fill face side at the bottom of end bent and plain pipe shall be used where the vertical drain ends to the exit at ground line.



vert, 'I.A iin (Int.) Revised: 86 September 1

> DETAILED JAN. 1998 CHECKED MAR. 1998

VERTICAL DRAIN AT END BENTS



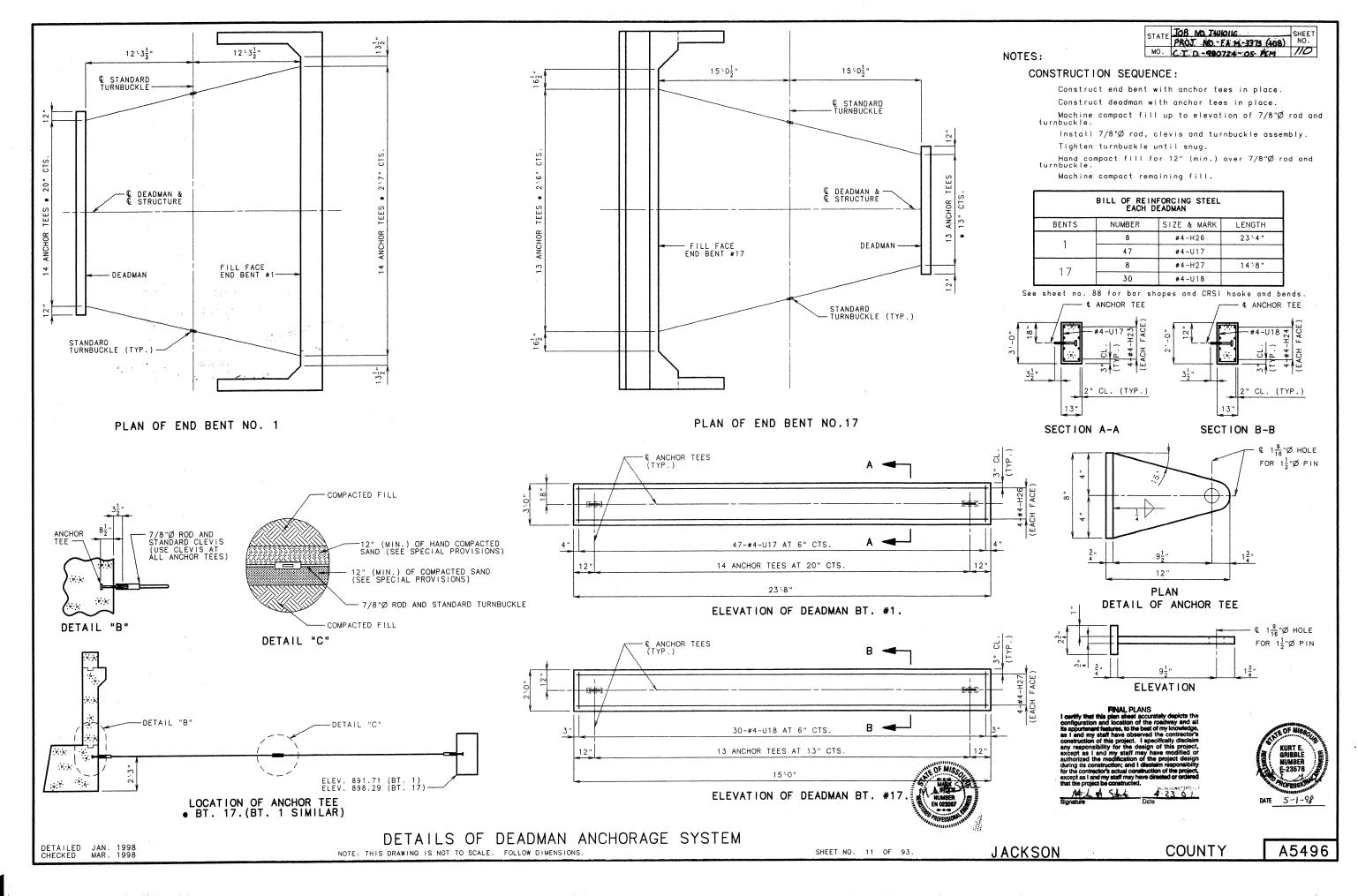
SHEET NO. 10 OF 93.

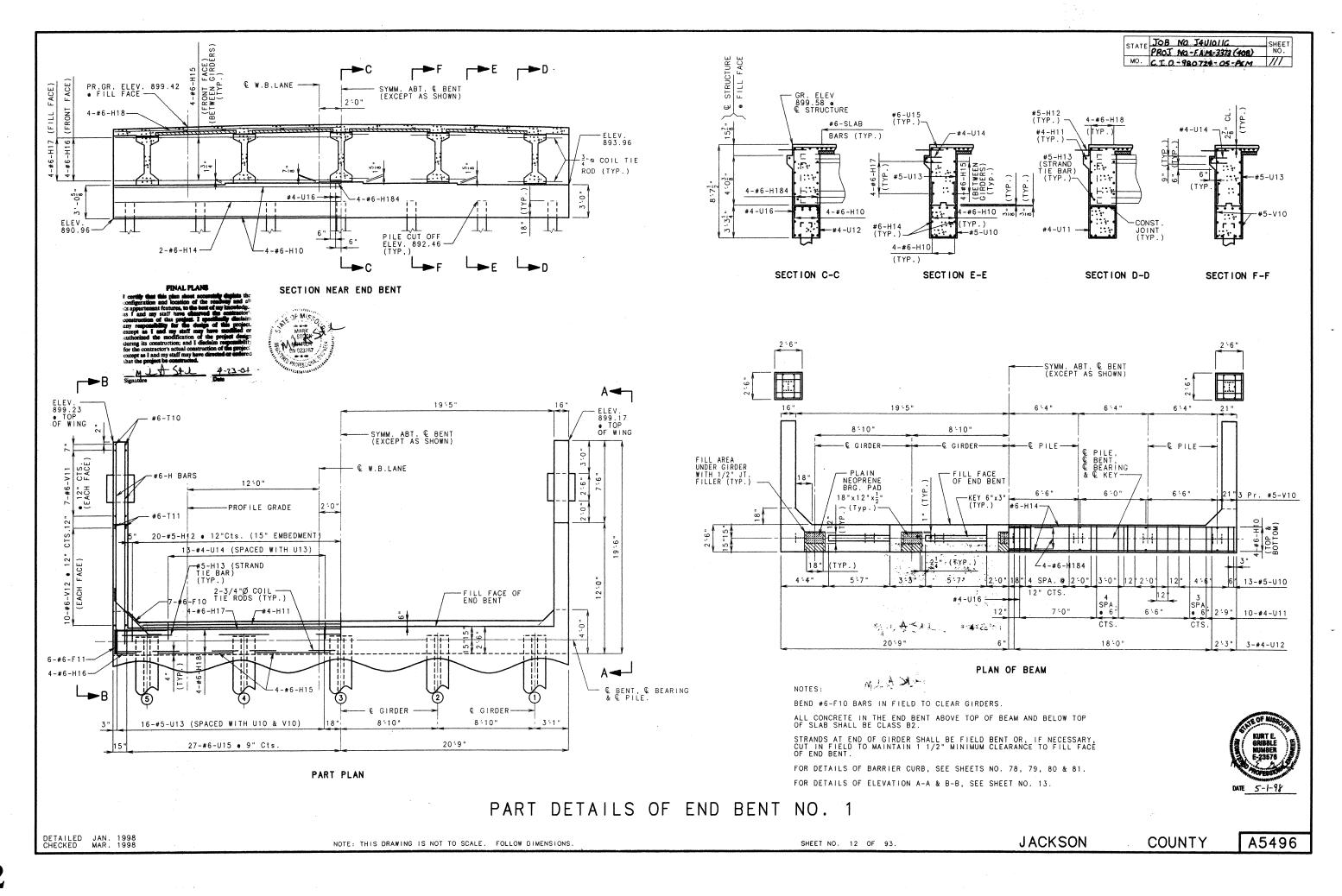
l certify that this pian sheet accurately deplots the configuration and location of the readway and all its appurement features, to the best of my knowledge, as I and my staff have observed the contractor's construction of this project. I specifically declared may responsibility for the design of this project, except as I and my staff may have modified outshorted the modification of the project design during its construction and staff may have modified for the contractor and staff may have modified the modification of the project design during its construction and staff may have discould or ordered that the project be constructed.

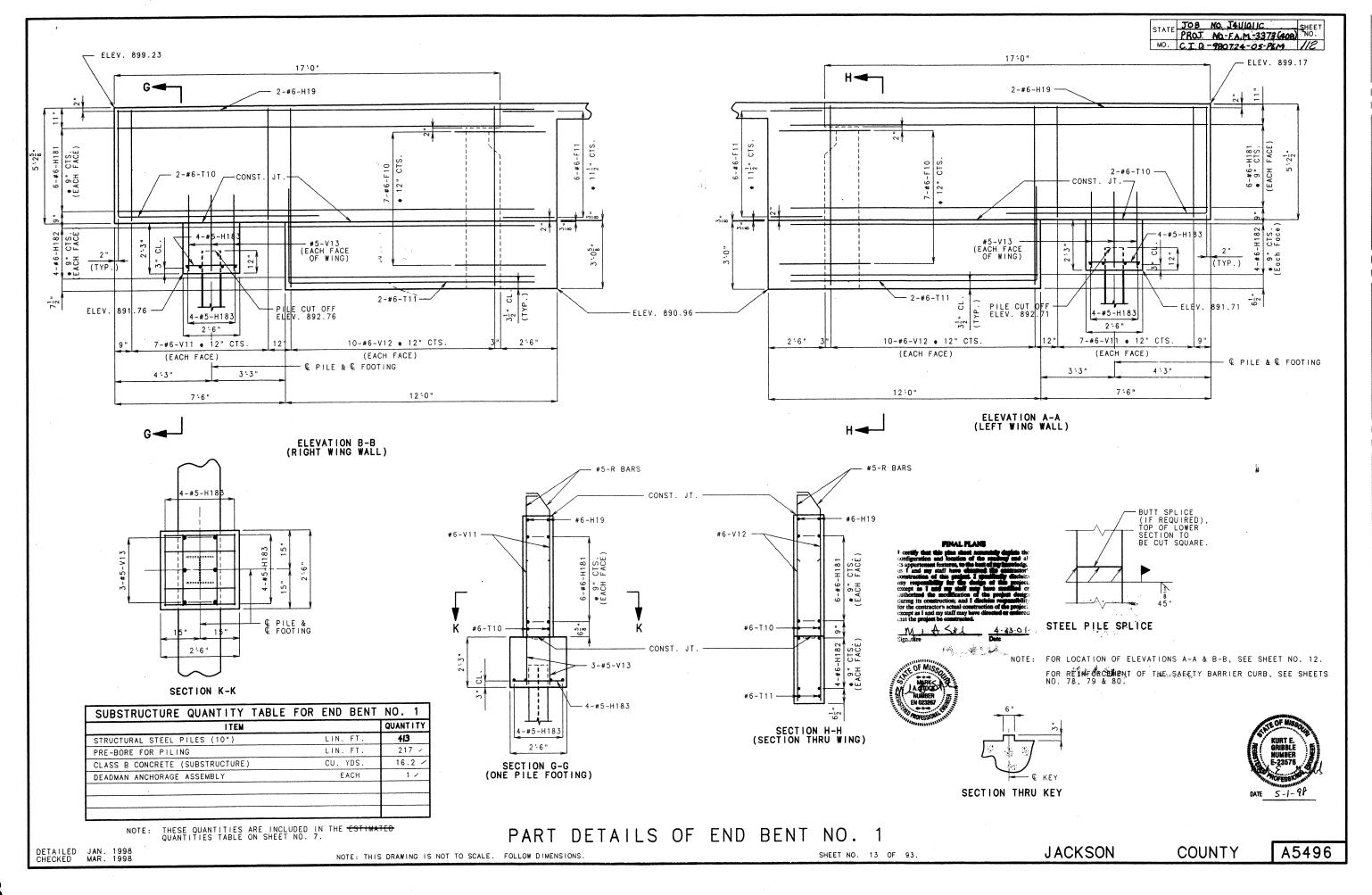


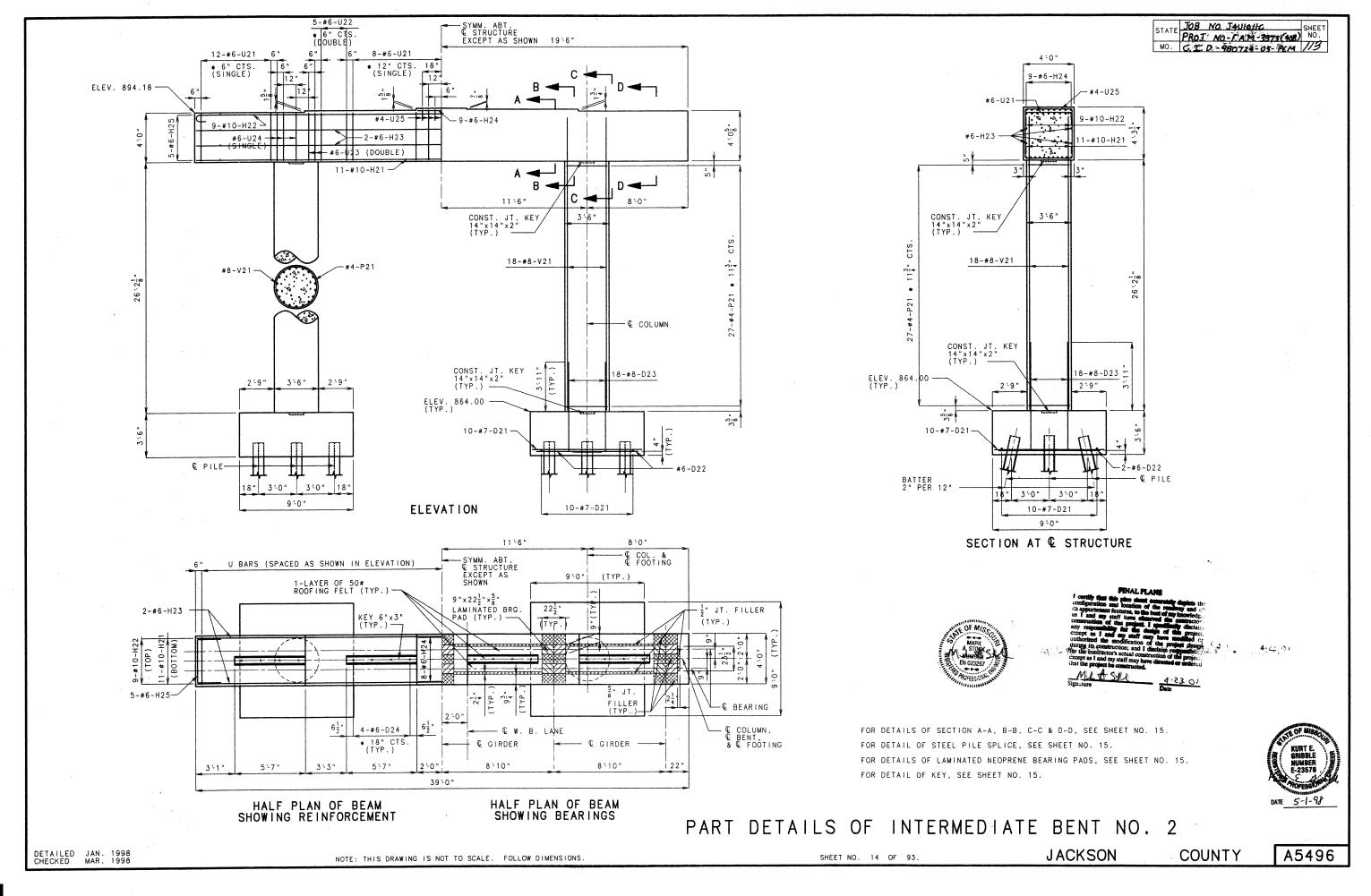
JACKSON

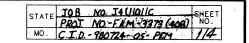
COUNTY

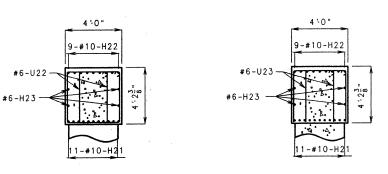


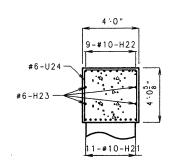


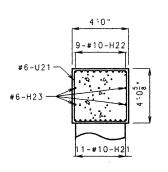










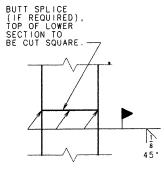


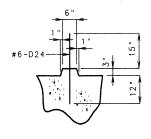
SECTION A-A

SECTION B-B

SECTION C-C

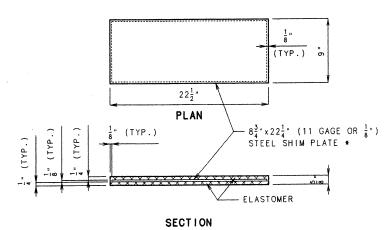
SECTION D-D





STEEL PILE SPLICE

DETAIL OF KEY

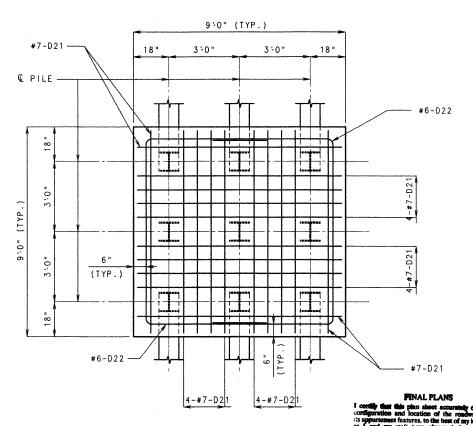


DETAILS OF LAMINATED NEOPRENE BEARING PADS

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 14.

* THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOMER AND MOLDED TOGETHER TO FORM AN INTEGRAL UNIT.

PART DETAILS OF INTERMEDIATE BENT NO. 2



PLAN OF FOOTING

SUBSTRUCTURE QUANTITY TABLE FOR BENT #2

CLASS 1 EXCAVATION

STRUCTURAL STEEL PILE (10")

REINFORCING STEEL (BRIDGES)

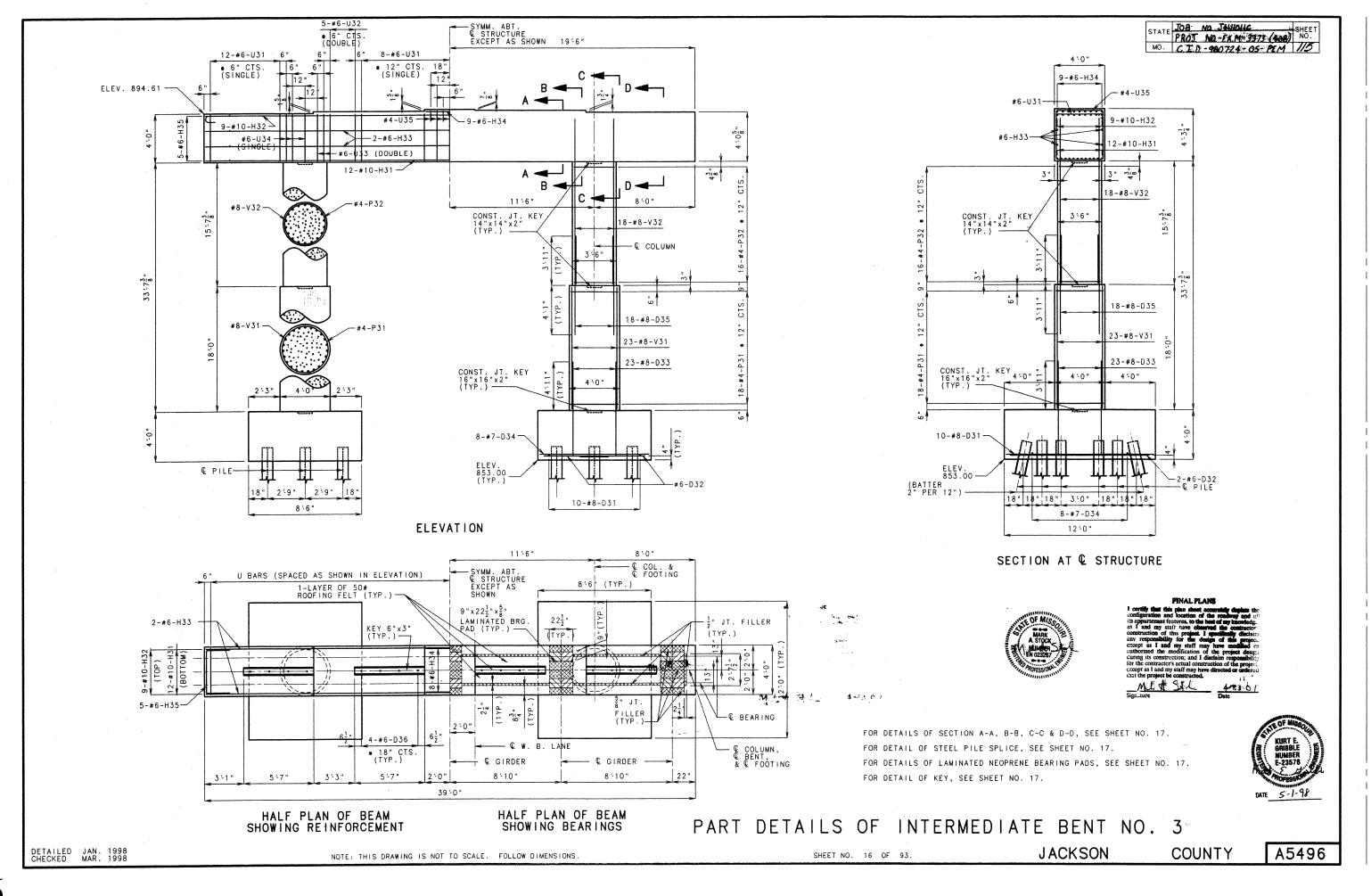
CLASS B CONCRETE (SUBSTRUCTURE)

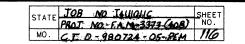
QUANTITY 632 CU.YDS. 260 LIN. FT. CU.YDS. 63.6 / LBS. 10,240 /

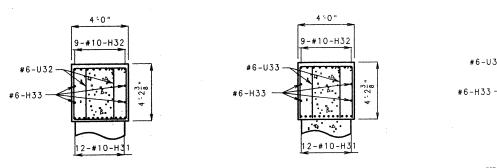
NOTE: THESE QUANTITIES ARE INCLUDED IN THE ESTIMATED QUANTITIES TABLE ON SHEET NO. 7.

JACKSON

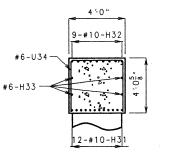
COUNTY



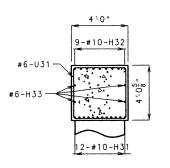




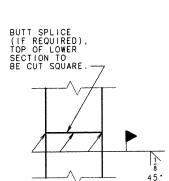
SECTION A-A



SECTION C-C

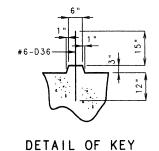


SECTION D-D

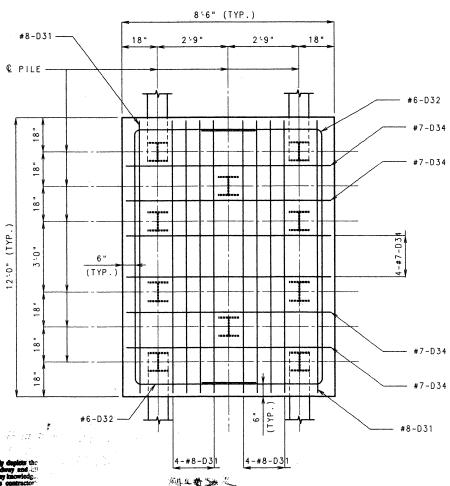


STEEL PILE SPLICE

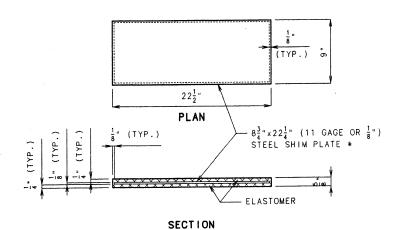
SECTION B-B







PLAN OF FOOTING





FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 16.

ITEM		QUANTIT
CLASS 1 EXCAVATION	CU.YDS.	115.2
STRUCTURAL STEEL PILE (10")	LIN. FT.	237
CLASS B CONCRETE (SUBSTRUCTURE)	CU.YDS.	82.0 -
REINFORCING STEEL (BRIDGES)	LBS.	13,050
Pre Bore for Piling	L.S.	1
		1

DETAILS OF LAMINATED NEOPRENE BEARING PADS

* THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOMER AND MOLDED TOGETHER TO FORM AN INTEGRAL UNIT.

PART DETAILS OF INTERMEDIATE BENT NO. 3

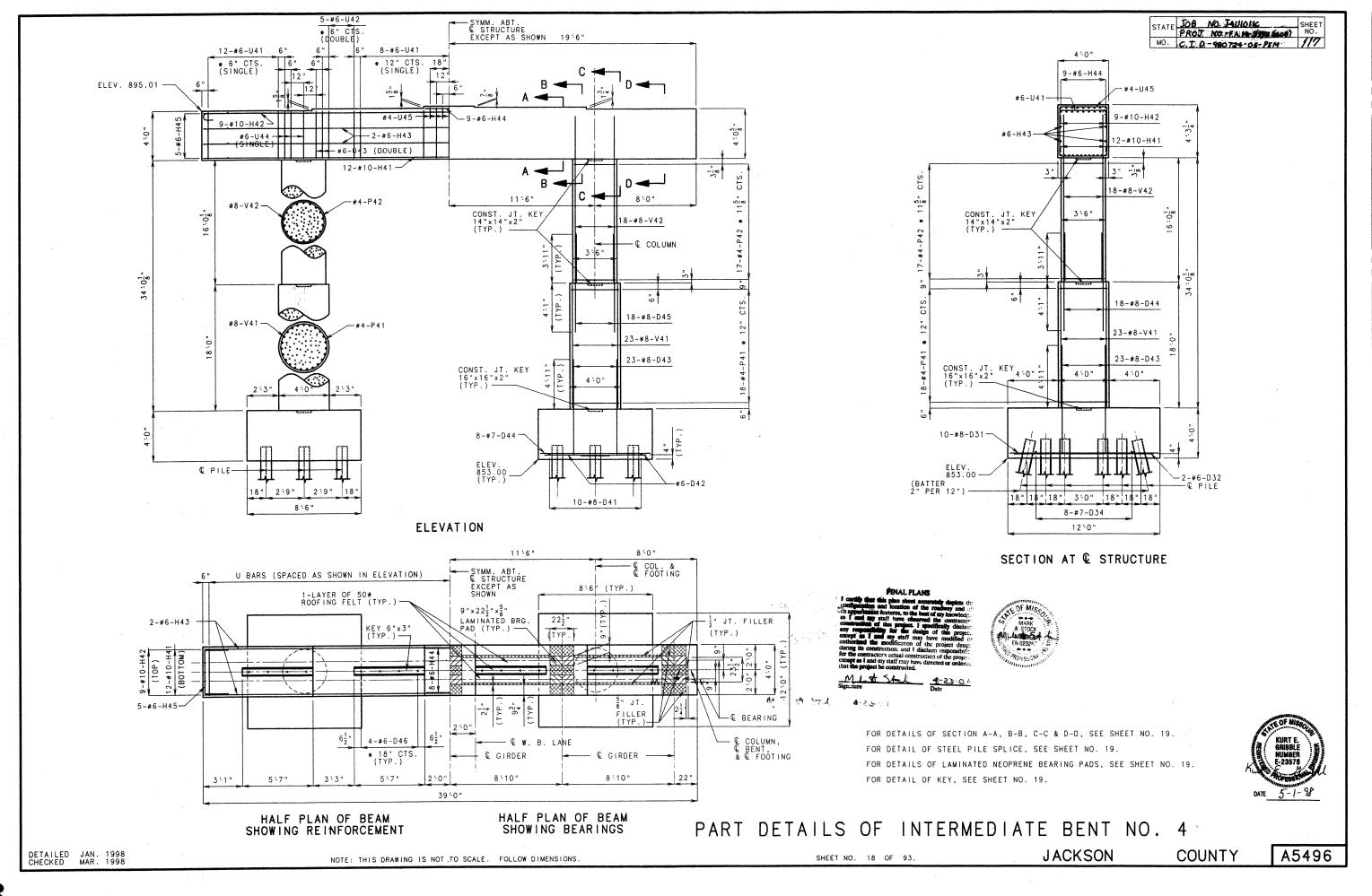
DETAILED JAN. 1998 CHECKED MAR. 1998

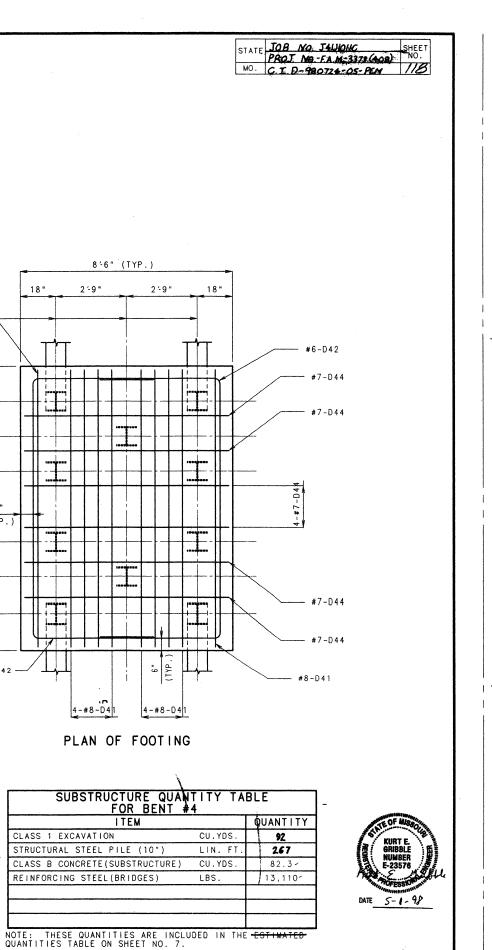
NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

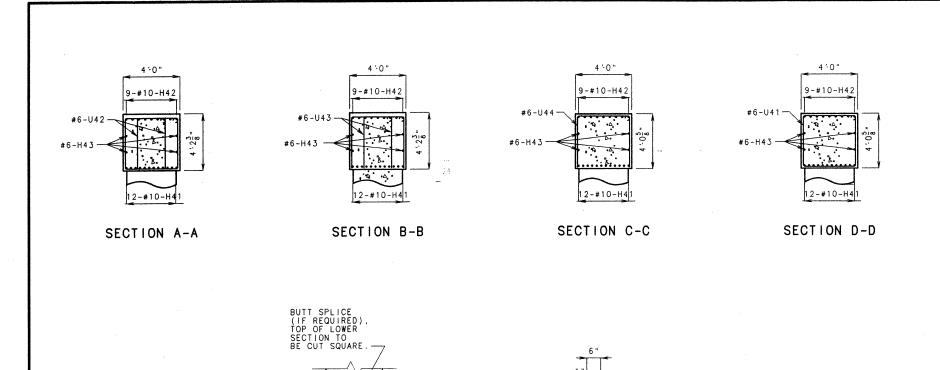
SHEET NO. 17 OF 93.

JACKSON

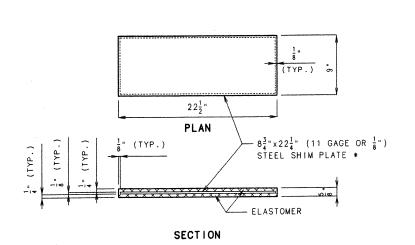
COUNTY







DETAIL OF KEY



STEEL PILE SPLICE

DETAILS OF LAMINATED NEOPRENE BEARING PADS

* THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOMER AND MOLDED TOGETHER TO FORM AN INTEGRAL UNIT.



FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 18:

4-23 0%

PART DETAILS OF INTERMEDIATE BENT NO. 4

JACKSON

COUNTY

A5496

#8-D41 -

C PILE -

18"

(TYP.

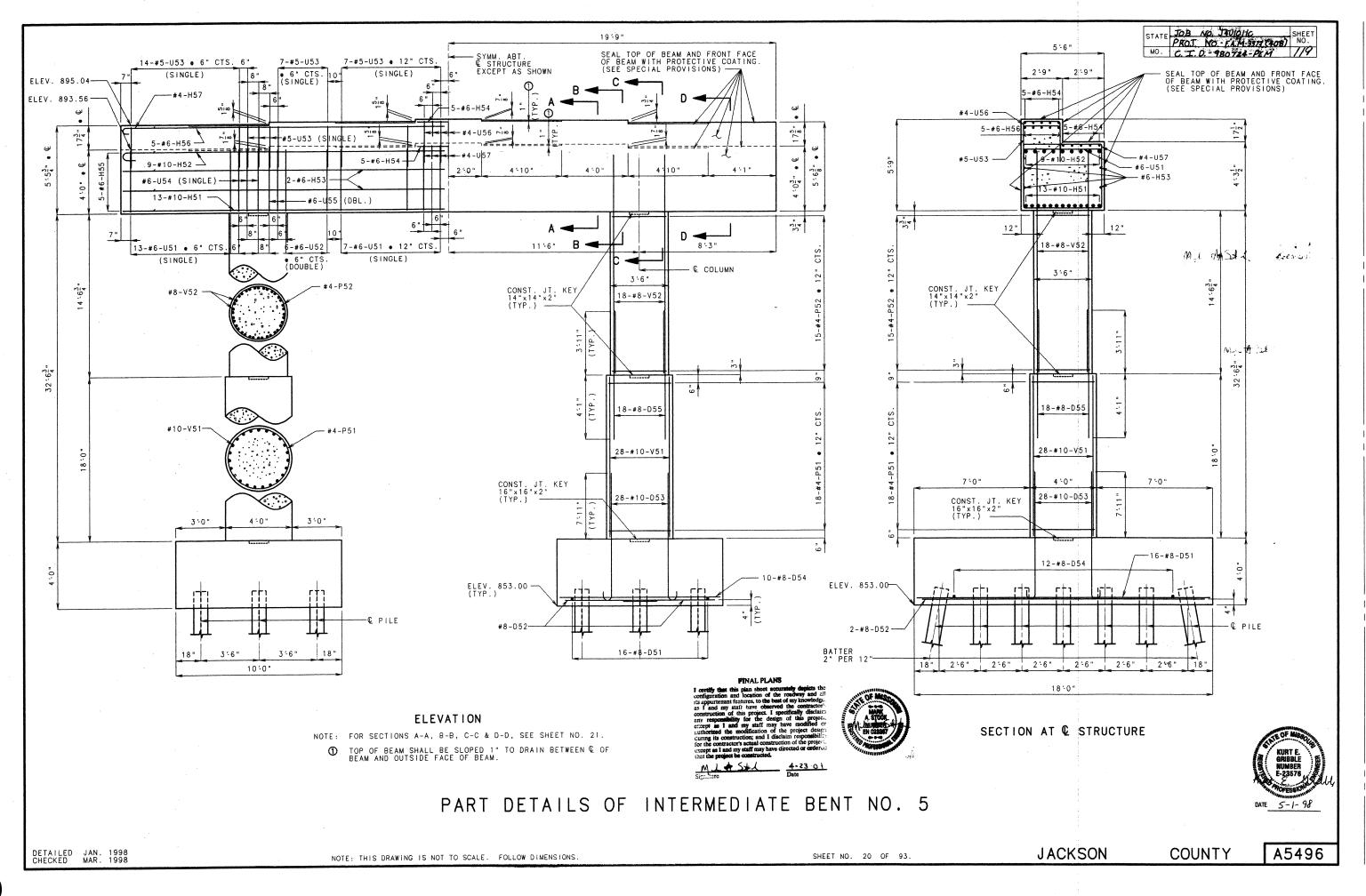
#6-D42 ---

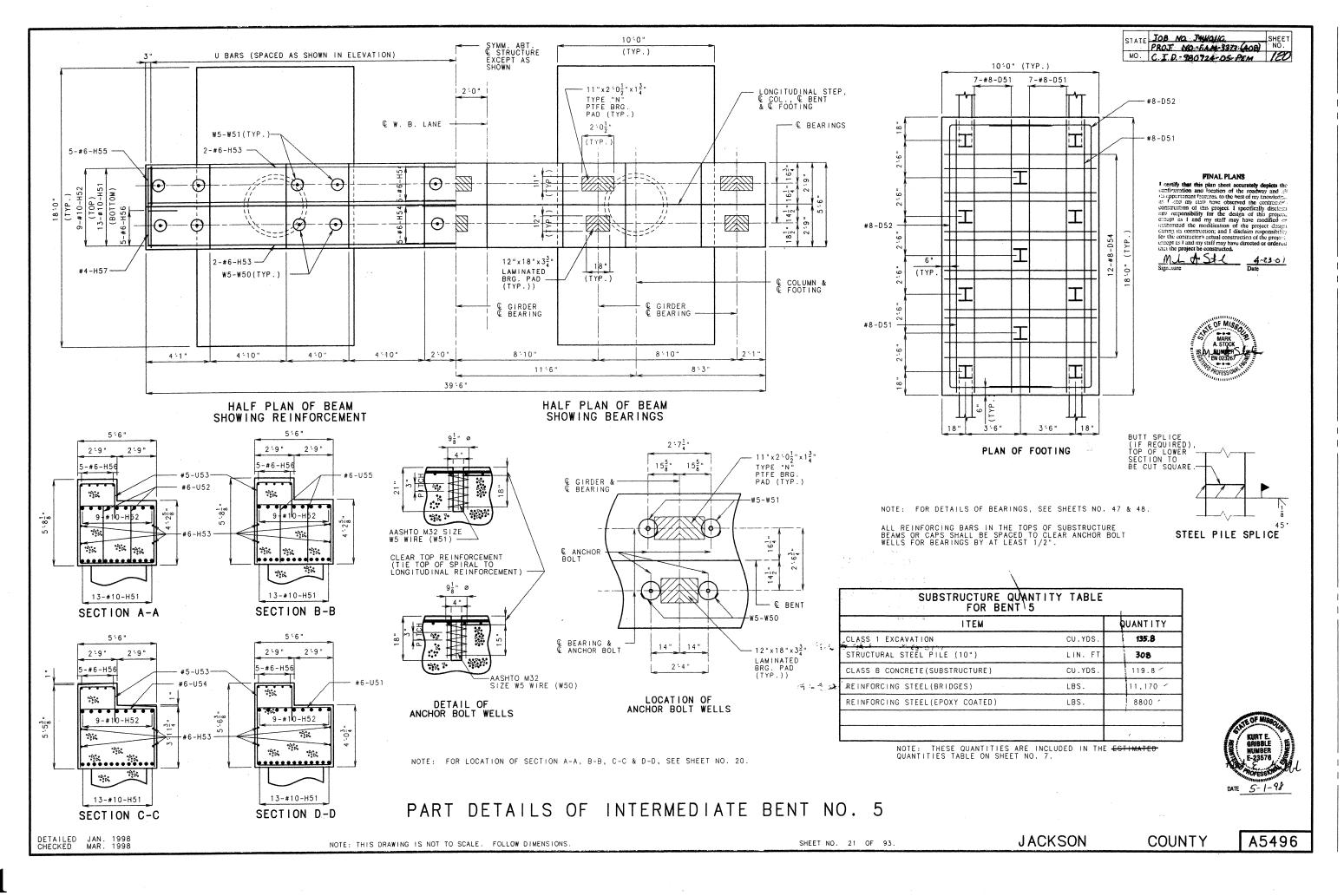
2 '-9 "

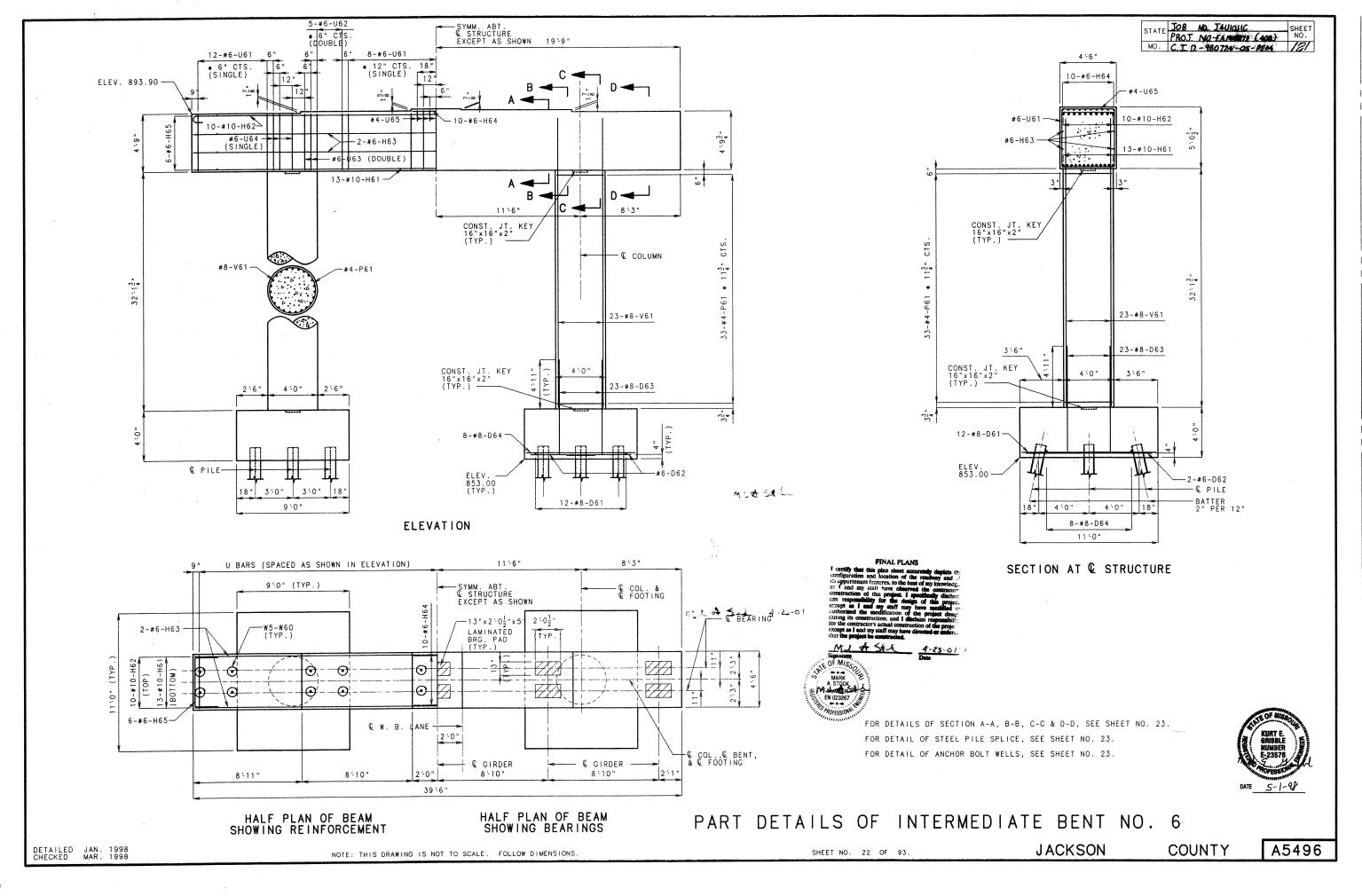
4-#8-D41

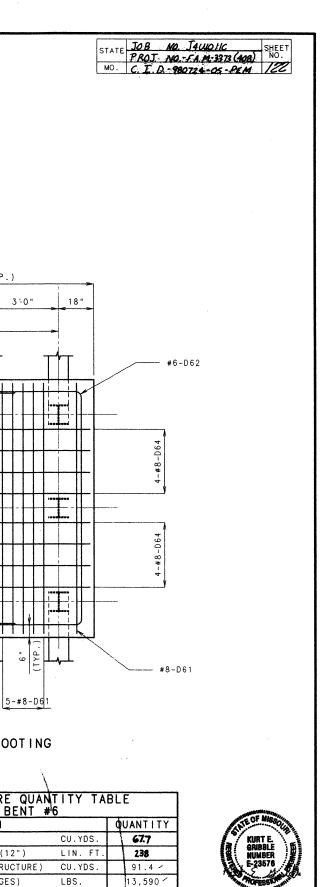
CLASS 1 EXCAVATION

DETAILED JAN. 1998 CHECKED MAR. 1998









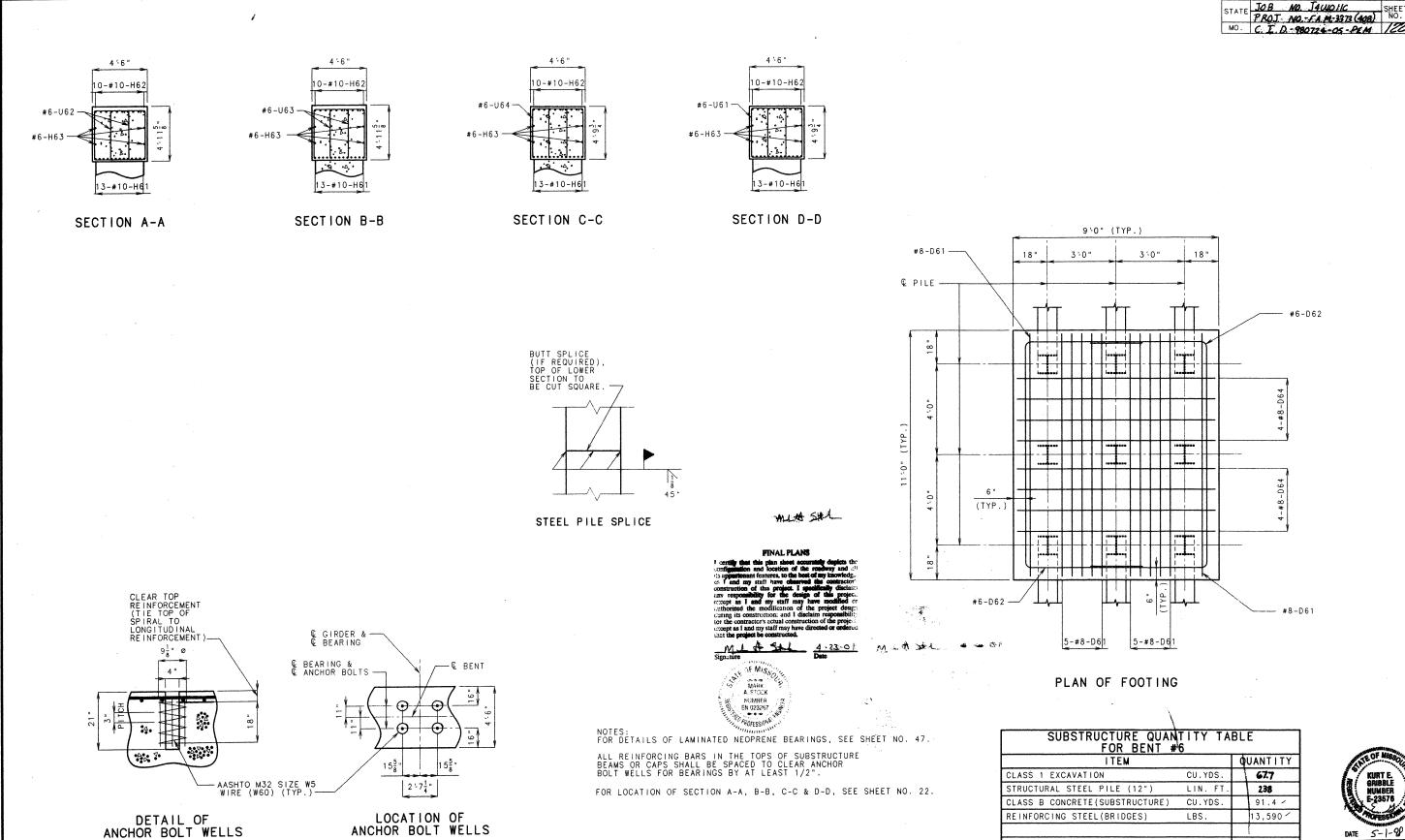
A5496

COUNTY

NOTE: THESE QUANTITIES ARE INCLUDED IN THE ESTIMATED QUANTITIES TABLE ON SHEET NO. 7.

JACKSON

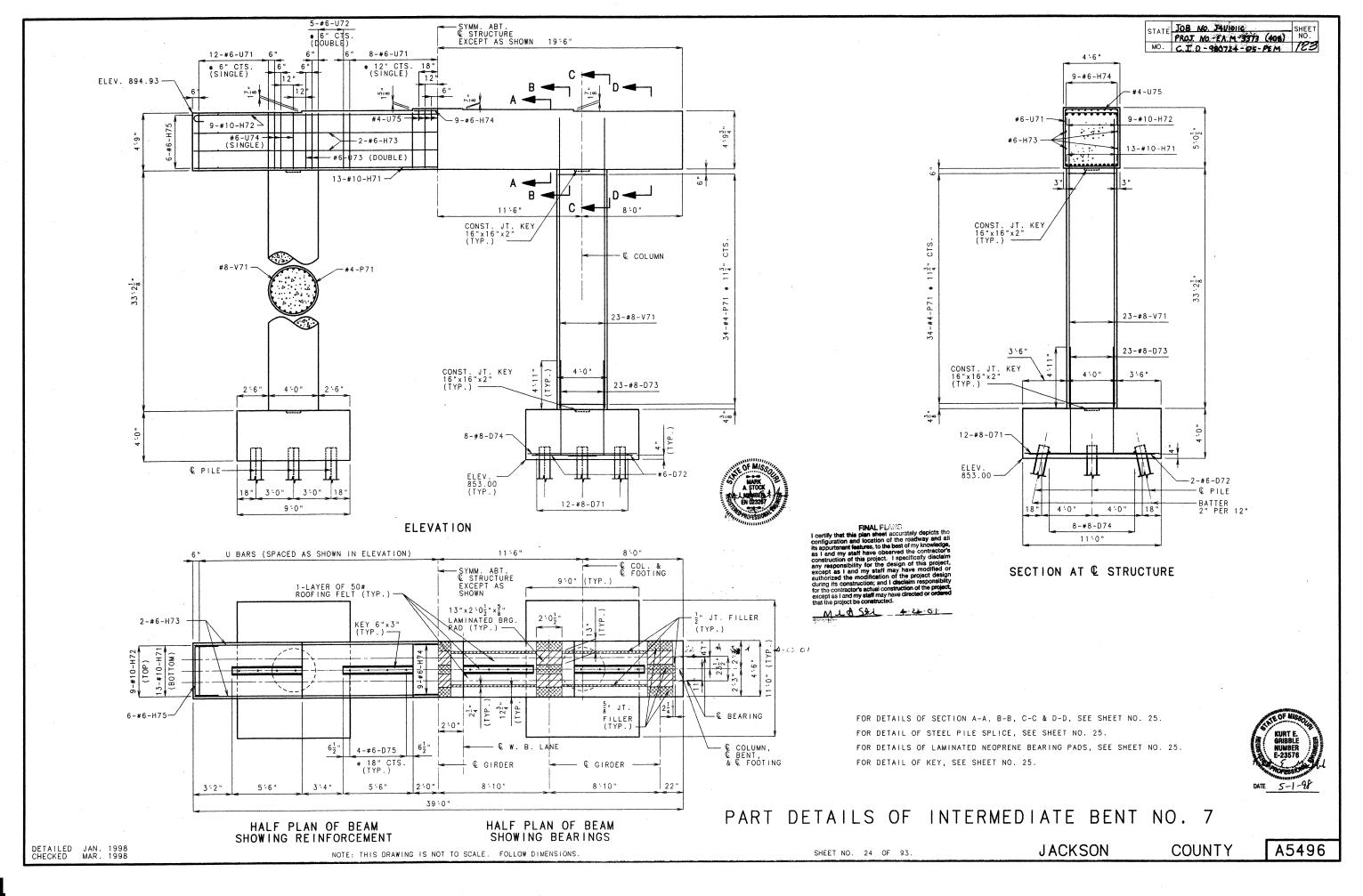
SHEET NO. 23 OF 93.

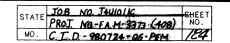


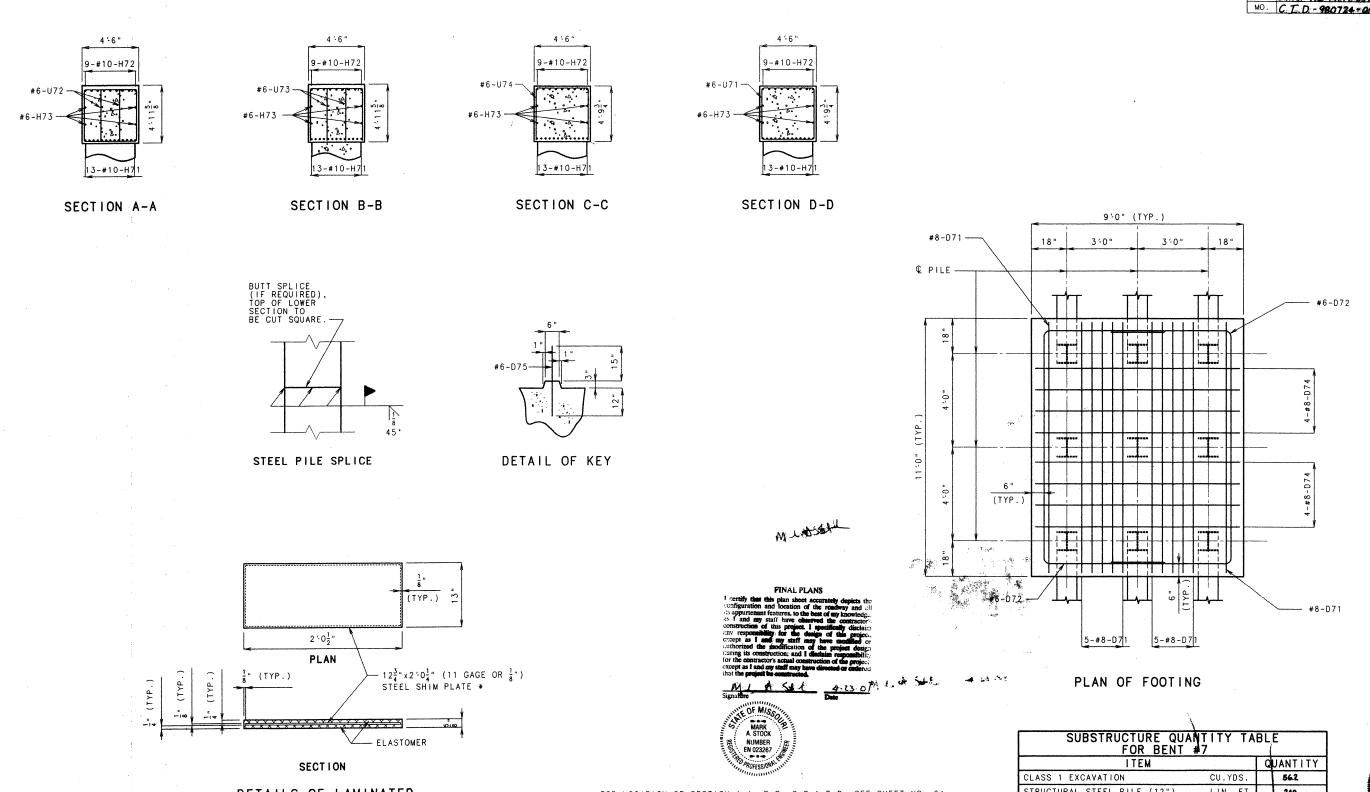
PART DETAILS OF INTERMEDIATE BENT NO. 6

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

DETAILED JAN. 1998 CHECKED MAR. 1998





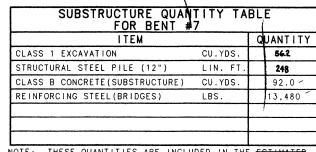


DETAILS OF LAMINATED NEOPRENE BEARING PADS

* THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOMER AND MOLDED TOGETHER TO FORM AN INTEGRAL UNIT.

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 24.

PART DETAILS OF INTERMEDIATE BENT NO. 7



KURT E. GRIBBLE MUMBER E-23578
DATE S-1-98

NOTE: THESE QUANTITIES ARE INCLUDED IN THE ESTIMATED QUANTITIES TABLE ON SHEET NO. 7.

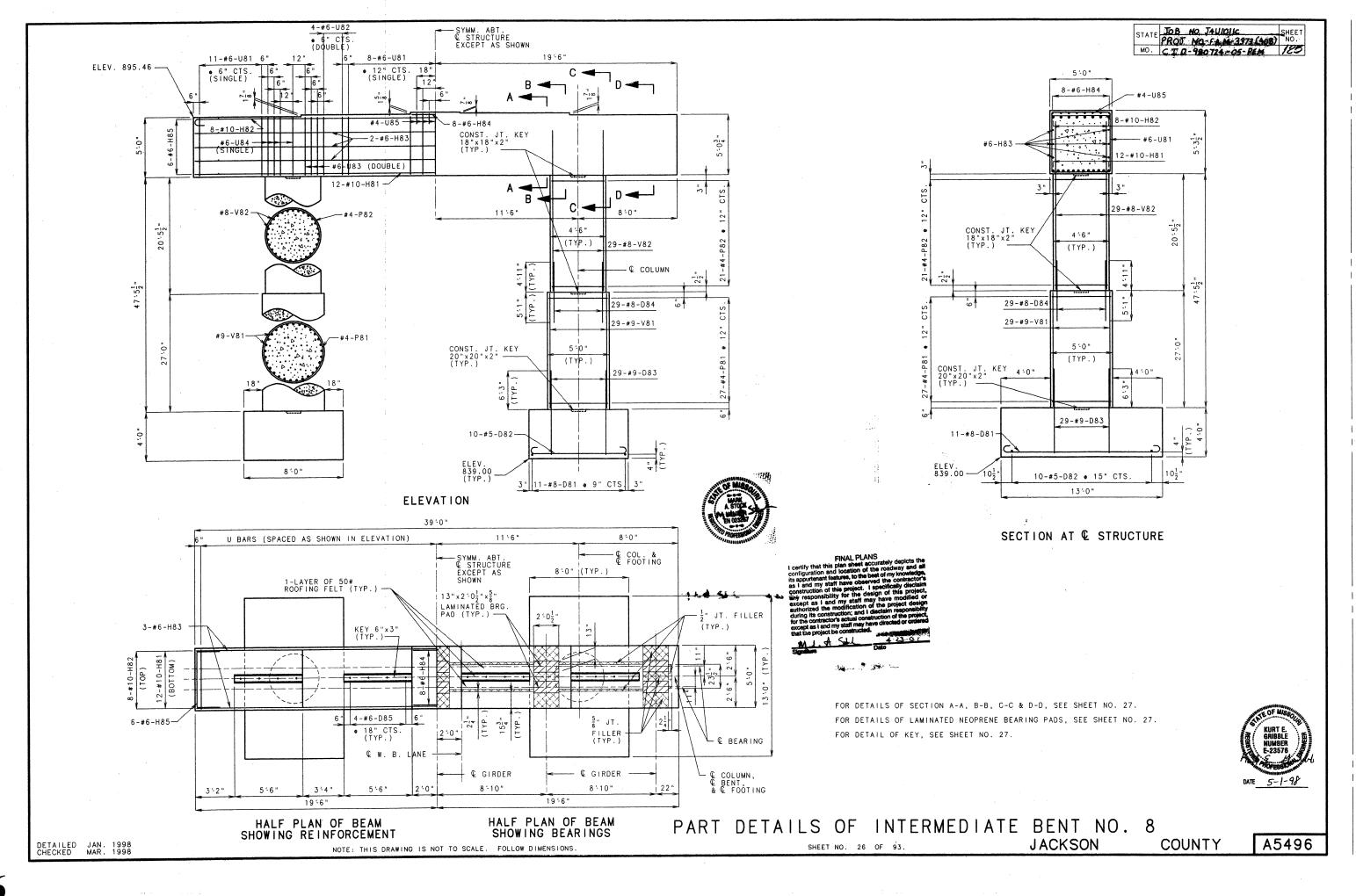
DETAILED JAN. 1998 CHECKED MAR. 1998

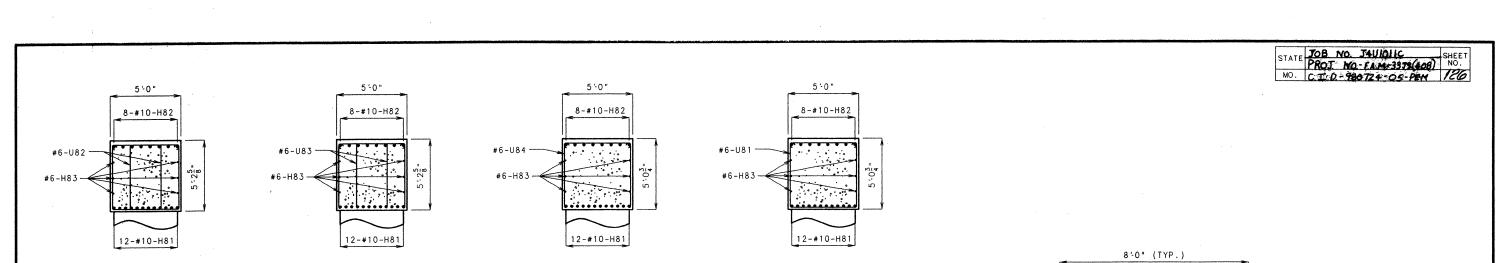
NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

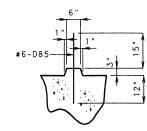
SHEET NO. 25 OF 93.

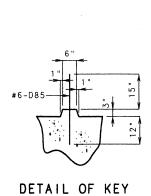
JACKSON

COUNTY

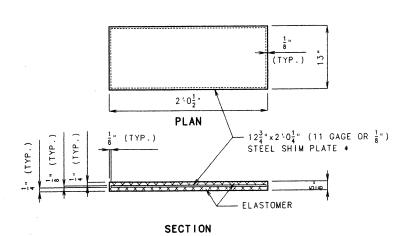








SECTION C-C



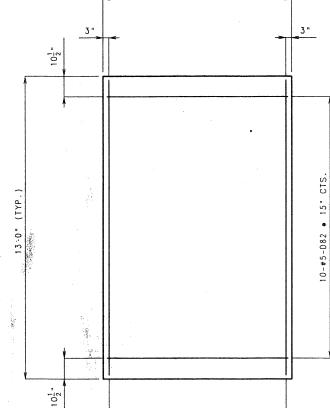
SECTION B-B

DETAILS OF LAMINATED NEOPRENE BEARING PADS

* THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOMER AND MOLDED TOGETHER TO FORM AN INTEGRAL UNIT.

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 26.

SECTION D-D



PLAN OF FOOTING

11-#8-D81 • 9" CTS.

SUBSTRUCTURE QUANTITY TABLE FOR BENT #8 ITEM QUANTITY CLASS 1 EXCAVATION CU.YDS. 196.2 CLASS 2 EXCAVATION CU.YDS. 52.**2** -COFFERDAMS (BENT 8) LUMP SUM CLASS B CONCRETE(SUBSTRUCTURE) CU.YDS. 131.3 REINFORCING STEEL (BRIDGES) 20,630 -Cont. 5301 Found. Test Holes

NOTE: THESE QUANTITIES ARE INCLUDED IN THE ESTIMATED QUANTITIES TABLE ON SHEET NO. 7.

PART DETAILS OF INTERMEDIATE BENT NO. 8

JACKSON

COUNTY

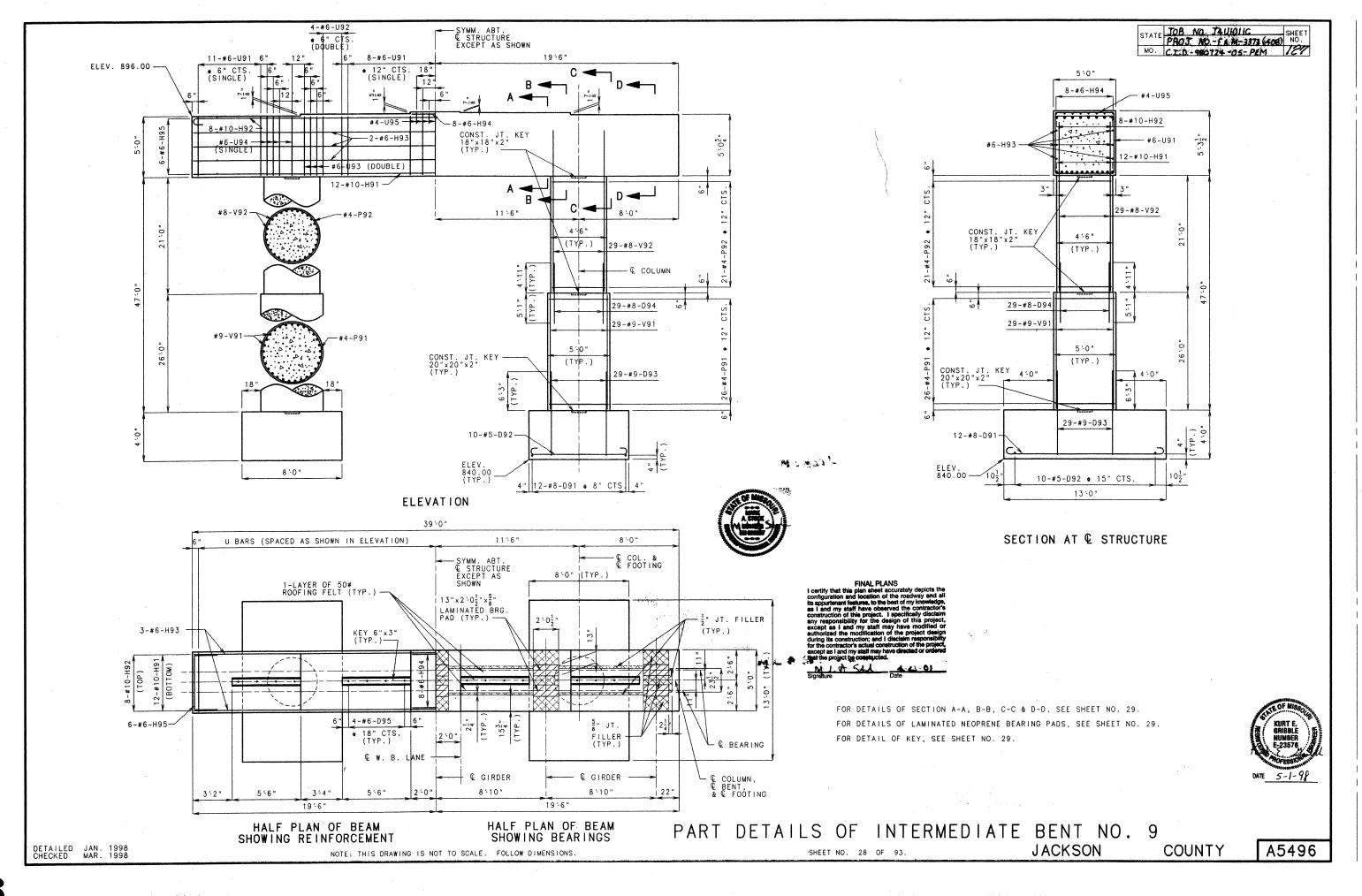
A5496

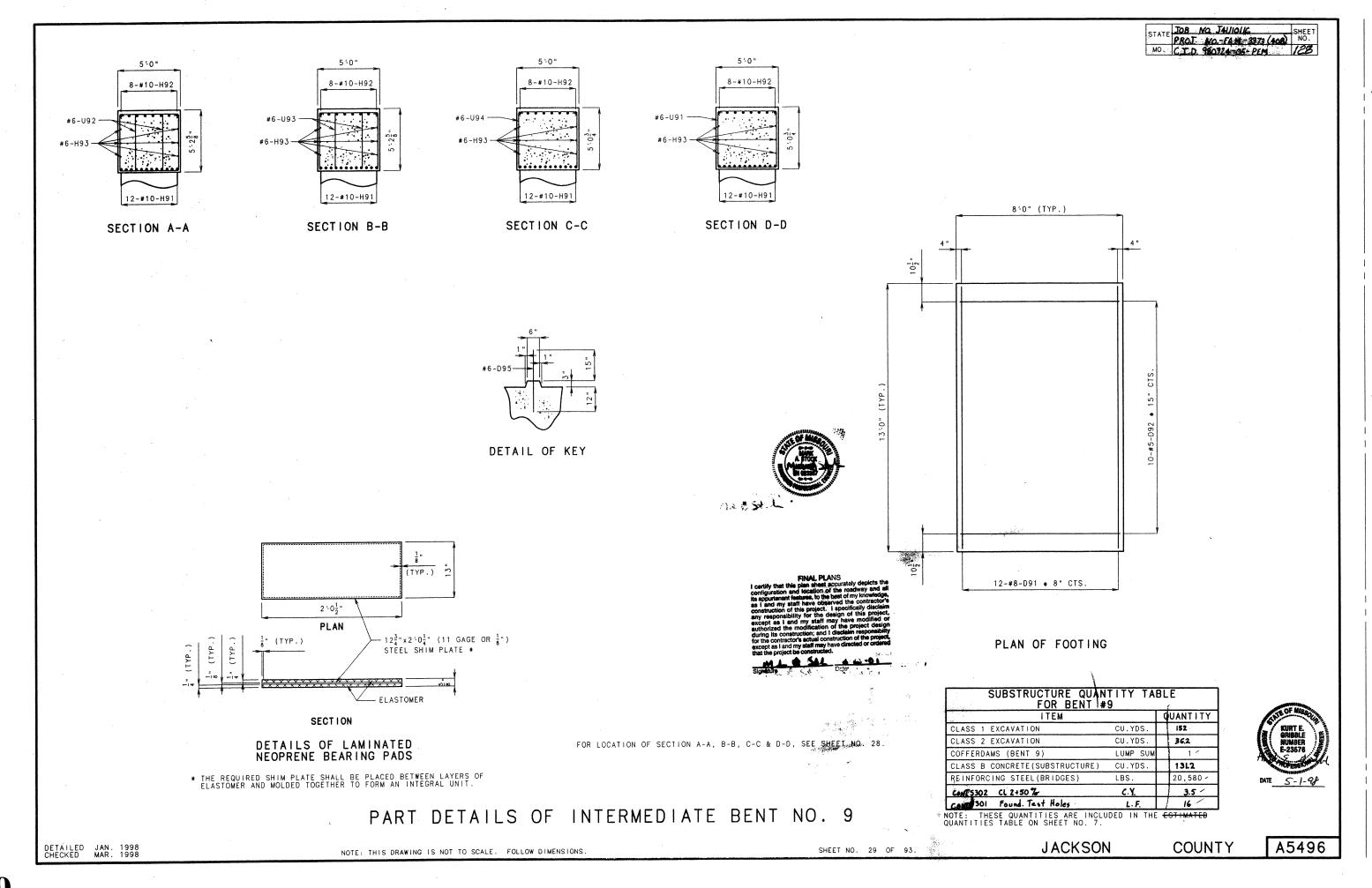
DETAILED JAN. 1998 CHECKED MAR. 1998

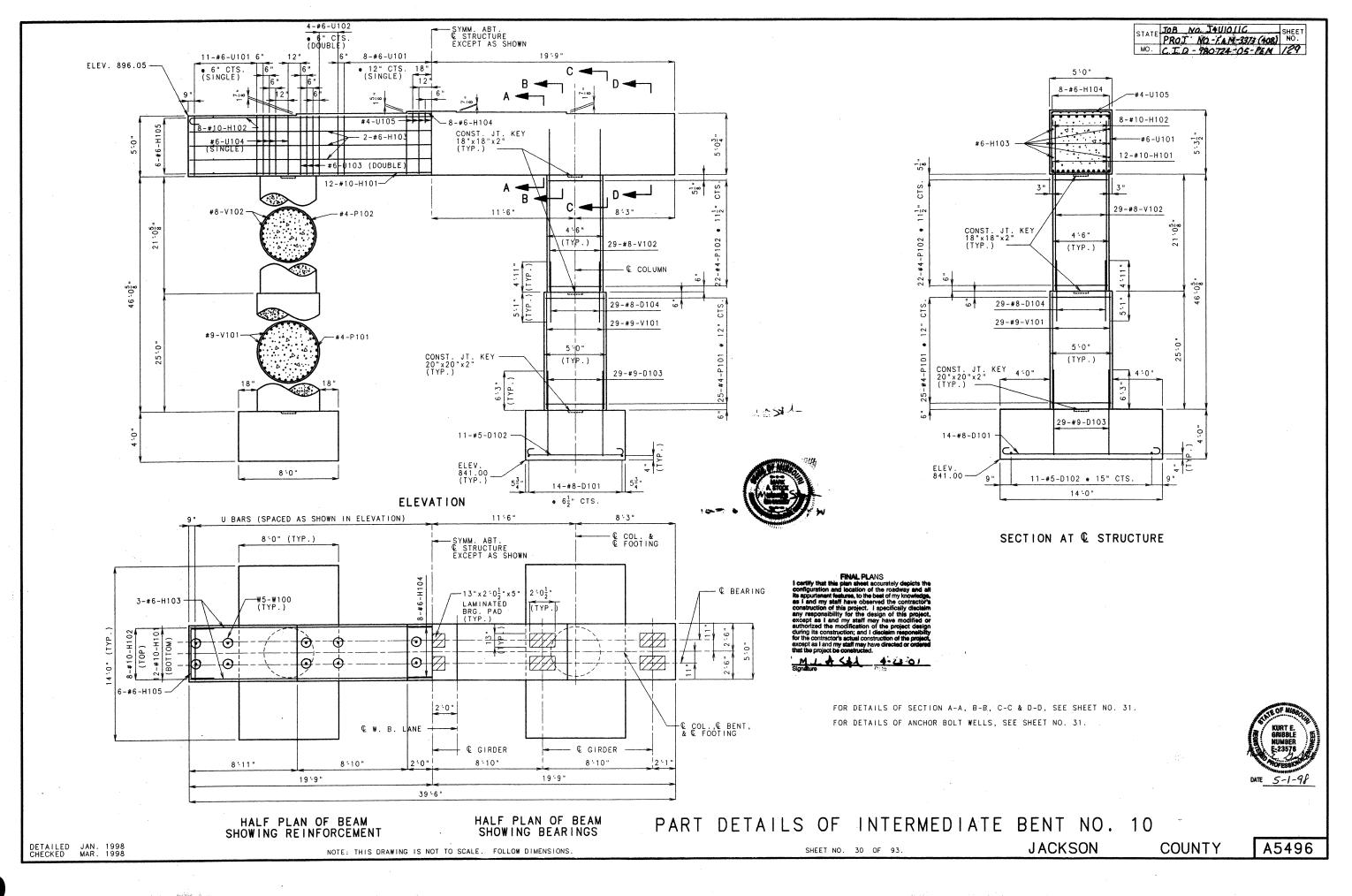
SECTION A-A

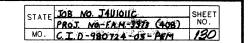
NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS

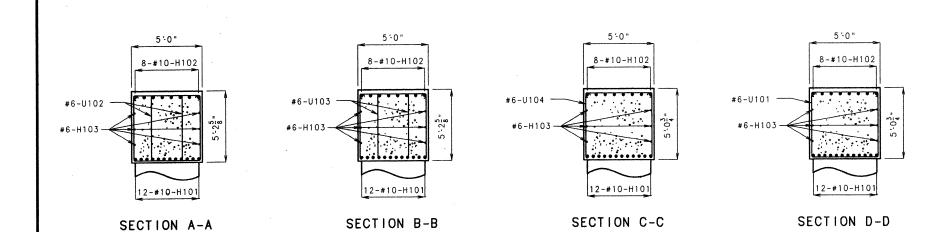
SHEET NO. 27 OF 93.





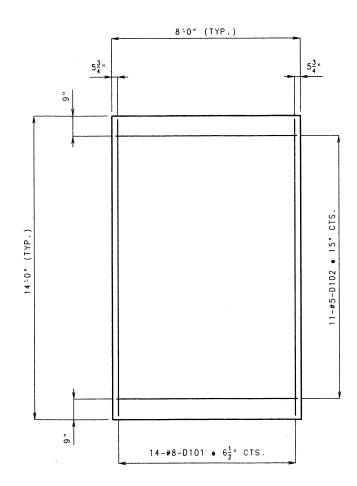




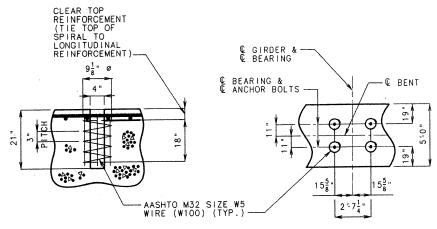








PLAN OF FOOTING



LOCATION OF ANCHOR BOLT WELLS

NOTES:
FOR DETAILS OF LAMINATED NEOPRENE BEARINGS, SEE SHEET NO. 47.

ALL REINFORCING BARS IN THE TOPS OF SUBSTRUCTURE
BEAMS OR CAPS SHALL BE SPACED TO OF SUBSTRUCTURE
BOLT WELLS FOR BEARINGS BY AT LEAST 1/2".

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 30.

SUBSTRUCTURE QUANTITY TABLE FOR BENT #10 QUANTITY CLASS 1 EXCAVATION CU.YDS. 110 CLASS 2 EXCAVATION CU.YDS. 27.8 CLASS B CONCRETE (SUBSTRUCTURE) CU.YDS. 1 33.7 REINFORCING STEEL (BRIDGES) LBS. 20,720 Cont. 5302 C1.2+50% 11.7 / 16 Cont. 5301 Found. Test Holes

NOTE: THESE QUANTITIES ARE INCLUDED IN THE ESTIMATED QUANTITIES TABLE ON SHEET NO. 7.

PART DETAILS OF INTERMEDIATE BENT NO. 10

DETAILED JAN. 1998 CHECKED MAR. 1998

DETAIL OF ANCHOR BOLT WELLS

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

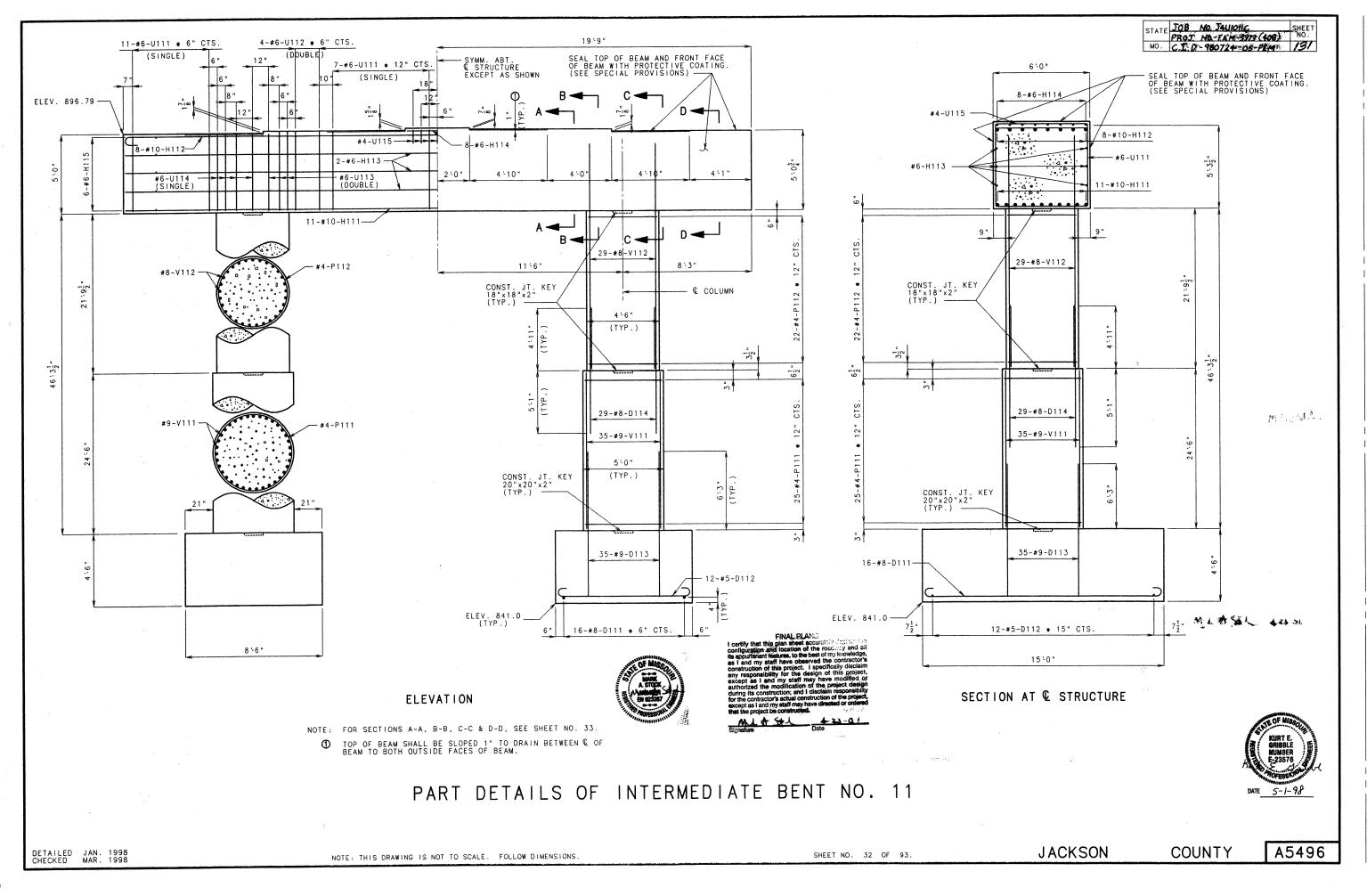
SHEET NO. 31 OF 93.

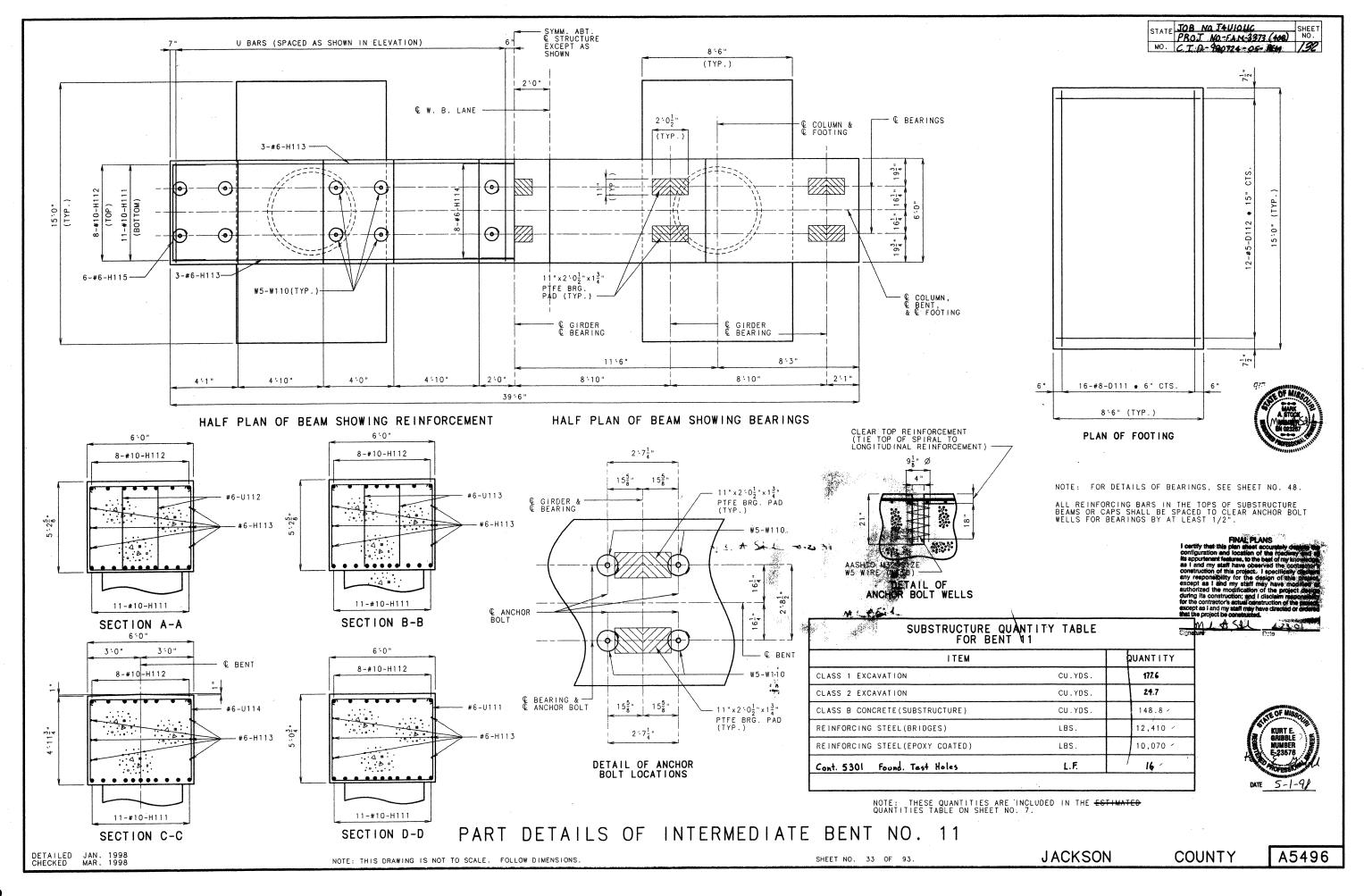
JACKSON

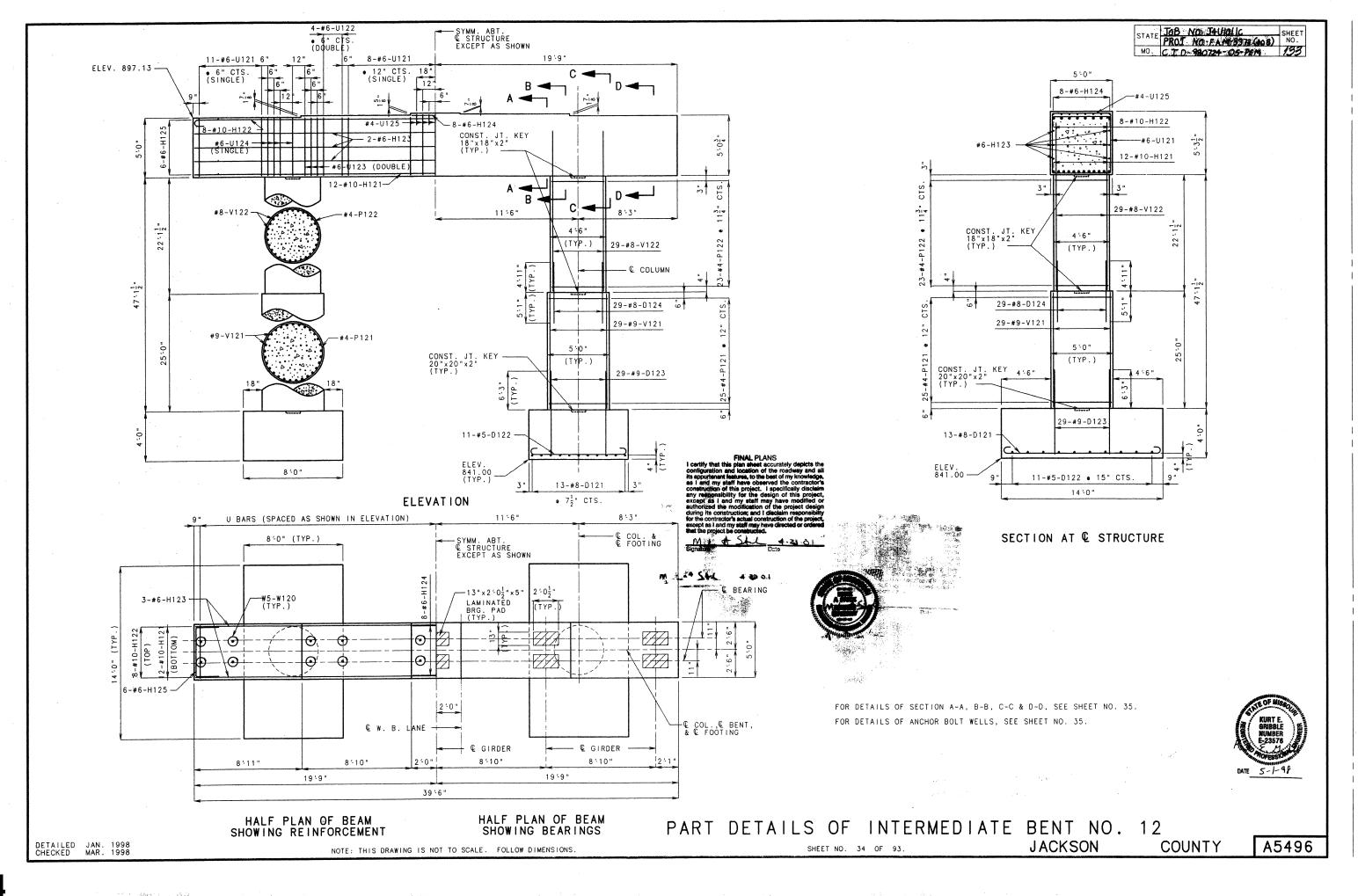
COUNTY

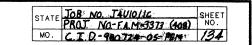
A5496

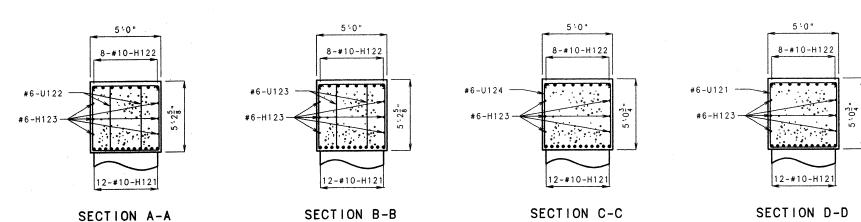
DATE 5-1-88

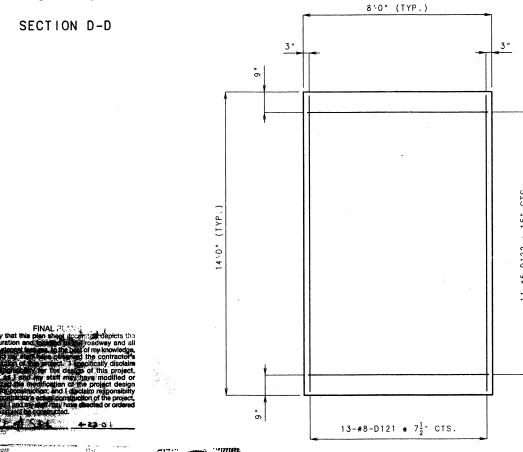












CLEAR TOP
REINFORCEMENT
(TIE TOP OF
SPIRAL TO
LONGITUDINAL
REINFORCEMENT) © GIRDER & -© BEARING © BEARING & © ANCHOR BOLTS - € BENT -AASHTO M32 SIZE W5 WIRE (W120) (TYP.)

DETAIL OF ANCHOR BOLT WELLS

LOCATION OF ANCHOR BOLT WELLS

NOTES: FOR DETAILS OF EXPANSION BEARINGS, SEE SHEET NO. 47. ALL REINFORCING BARS IN THE TOPS OF SUBSTRUCTURE BEAMS OR CAPS SHALL BE SPACED TO CLEAR ANCHOR BOLT WELLS FOR BEARINGS BY AT LEAST 1/2".

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 34.

SUBSTRUCTURE QUANTITY TABLE FOR BENT #12 ITEM QUANTITY 161.6 CLASS 1 EXCAVATION CU.YDS. CLASS 2 EXCAVATION CU.YDS. 29 CLASS B CONCRETE (SUBSTRUCTURE) CU.YDS. 134.35 REINFORCING STEEL (BRIDGES) LBS. 20,820 -16-Cont. 5301 Found. Test Holes Cont. 5302 Cl. 2+50 % 7 ′

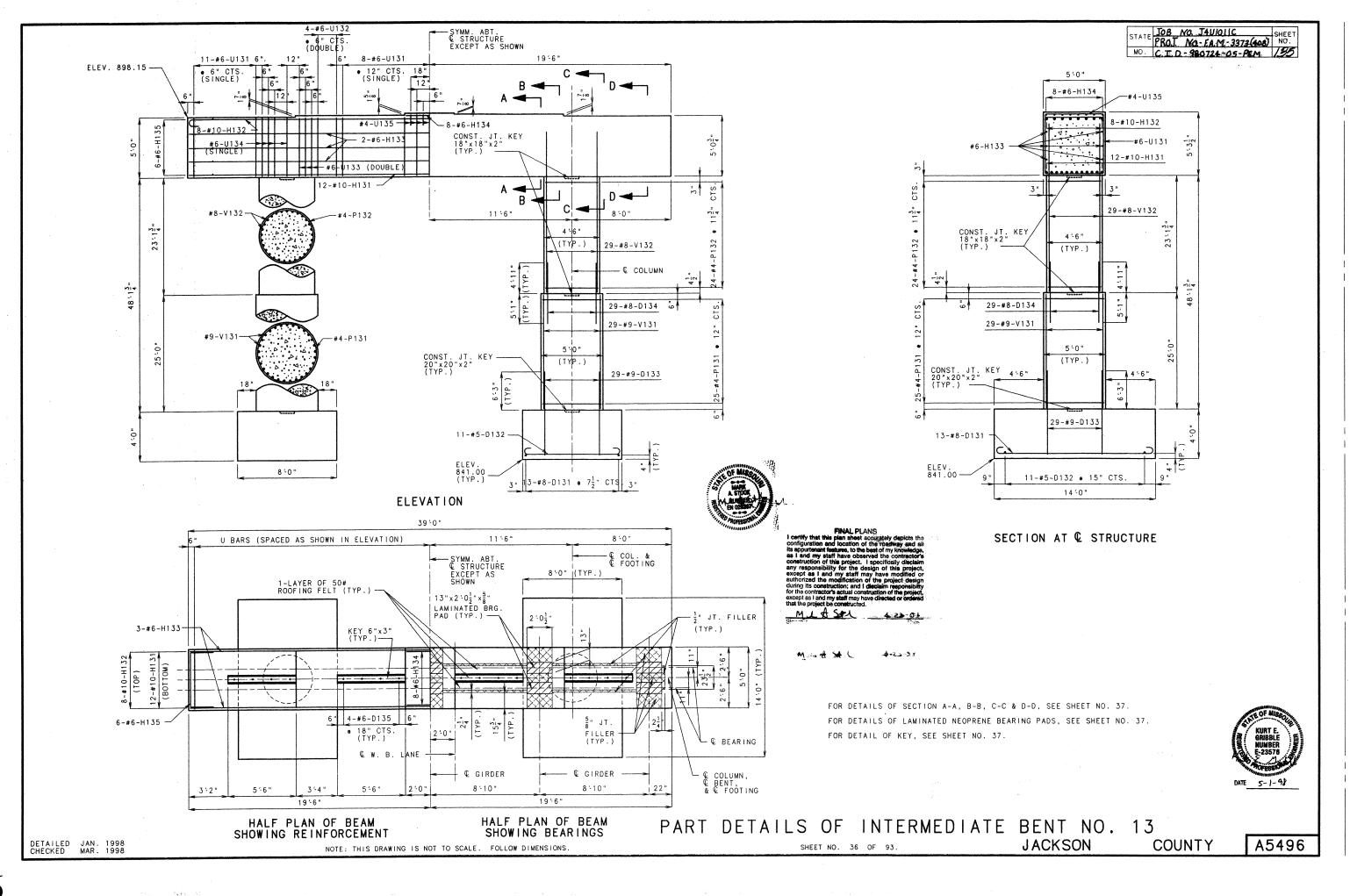
NOTE: THESE QUANTITIES ARE INCLUDED IN THE ESTIMATED QUANTITIES TABLE ON SHEET NO. 7.

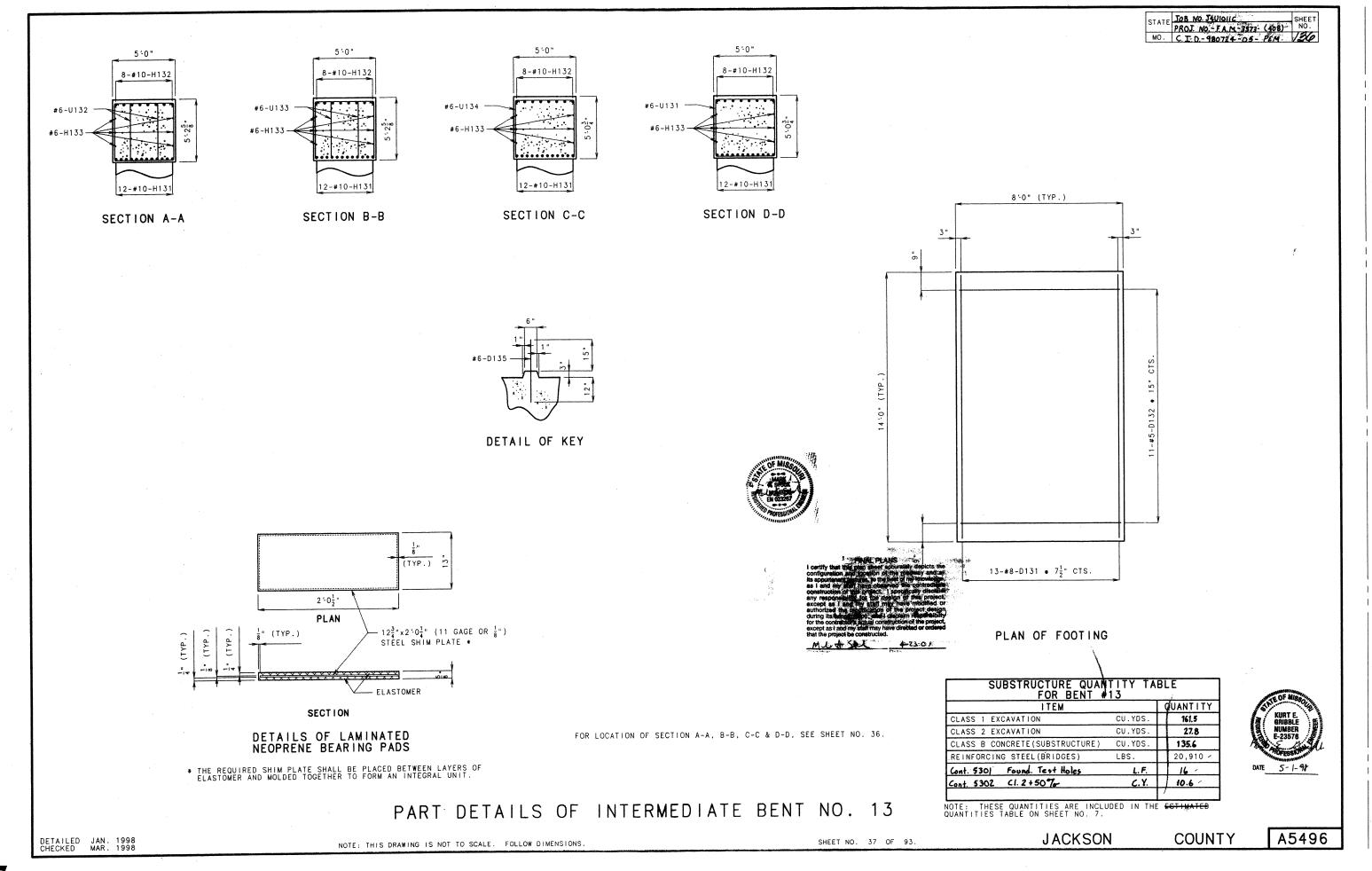
PLAN OF FOOTING

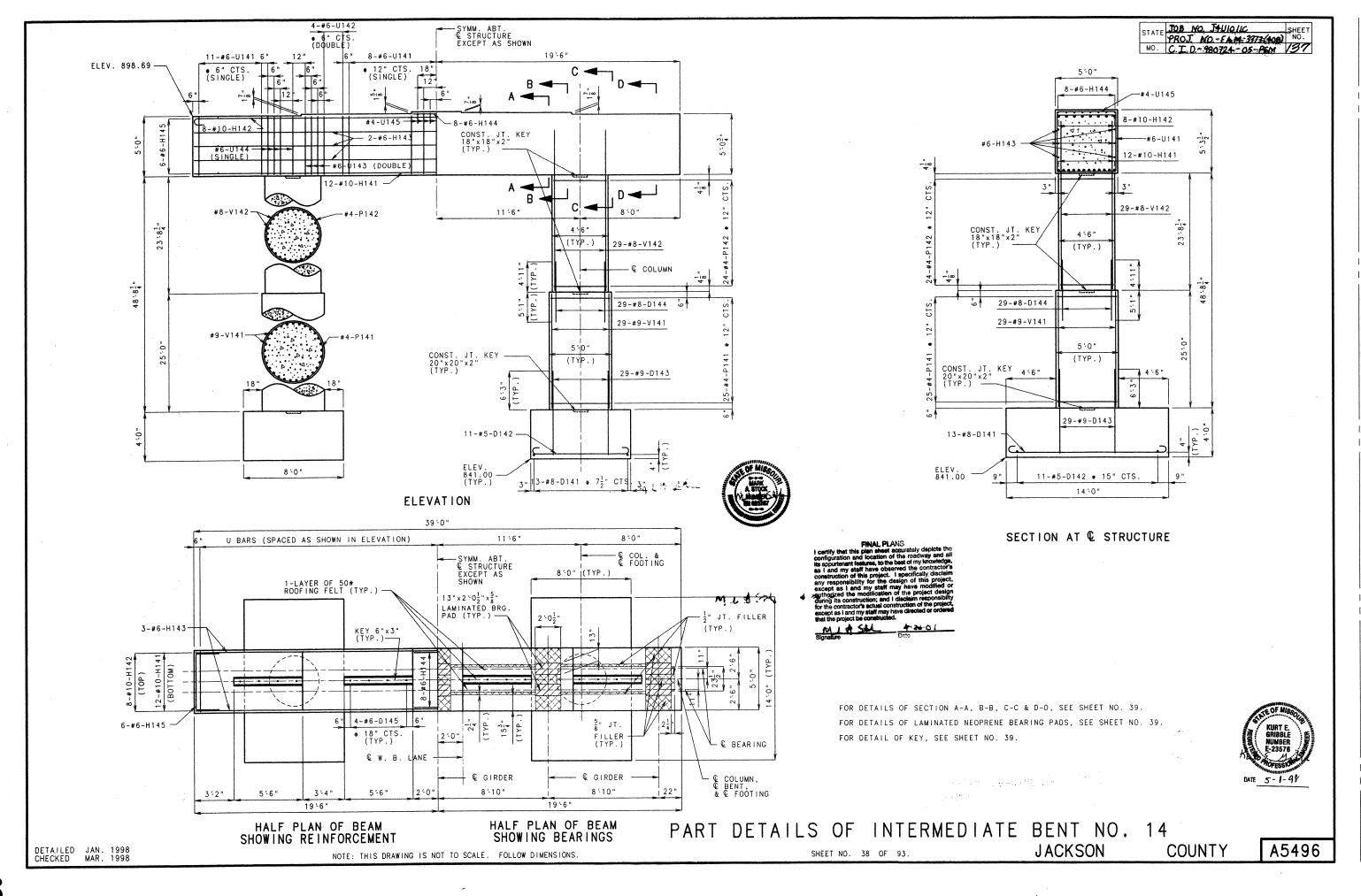
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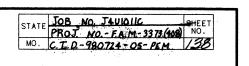
PART DETAILS OF INTERMEDIATE BENT NO. 12

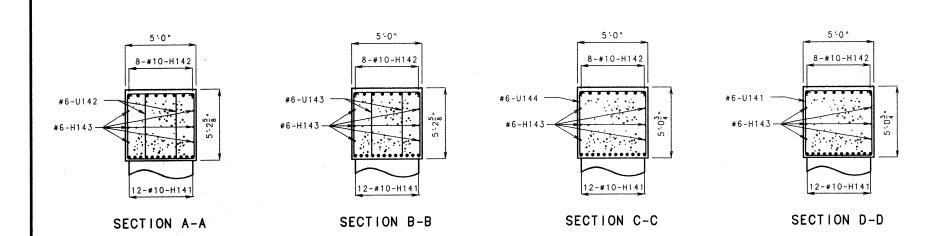
DETAILED JAN. 1998 CHECKED MAR. 1998

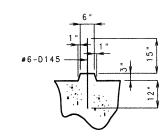






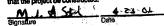


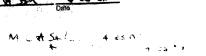


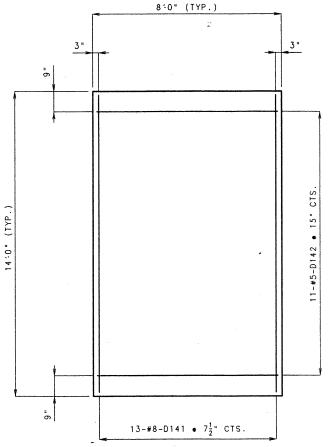


DETAIL OF KEY









PLAN OF FOOTING

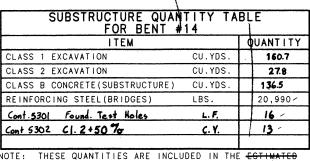
	1 " (TYP.) " PLAN
1 (TYP.)	12 ³ / ₄ "x2'0 ¹ / ₄ " (11 GAGE OR ¹ / ₈ ") STEEL SHIM PLATE * ELASTOMER
	SECTION

DETAILS OF LAMINATED NEOPRENE BEARING PADS

* THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOMER AND MOLDED TOGETHER TO FORM AN INTEGRAL UNIT.

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 38.

						REI	NFORCING STEEL (BRIDGES)	L
: PLACED BETWEEN LAYERS OF) FORM AN INTEGRAL UNIT.					Con	Cont. 5301 Found. Test Holes		
TORM ART THE CONTENT OF THE						Con	1 5302 C1. 2+50 %	
PART DETAILS (ЭF	INTERMEDIATE	BENT	NO.	14	NOTE QUAN	: THESE QUANTITIES ARE INC TITIES TABLE ON SHEET NO.	CLUDE



QUANTITIES TABLE ON SHEET NO. 7.

DETAILED JAN. 1998 CHECKED MAR. 1998

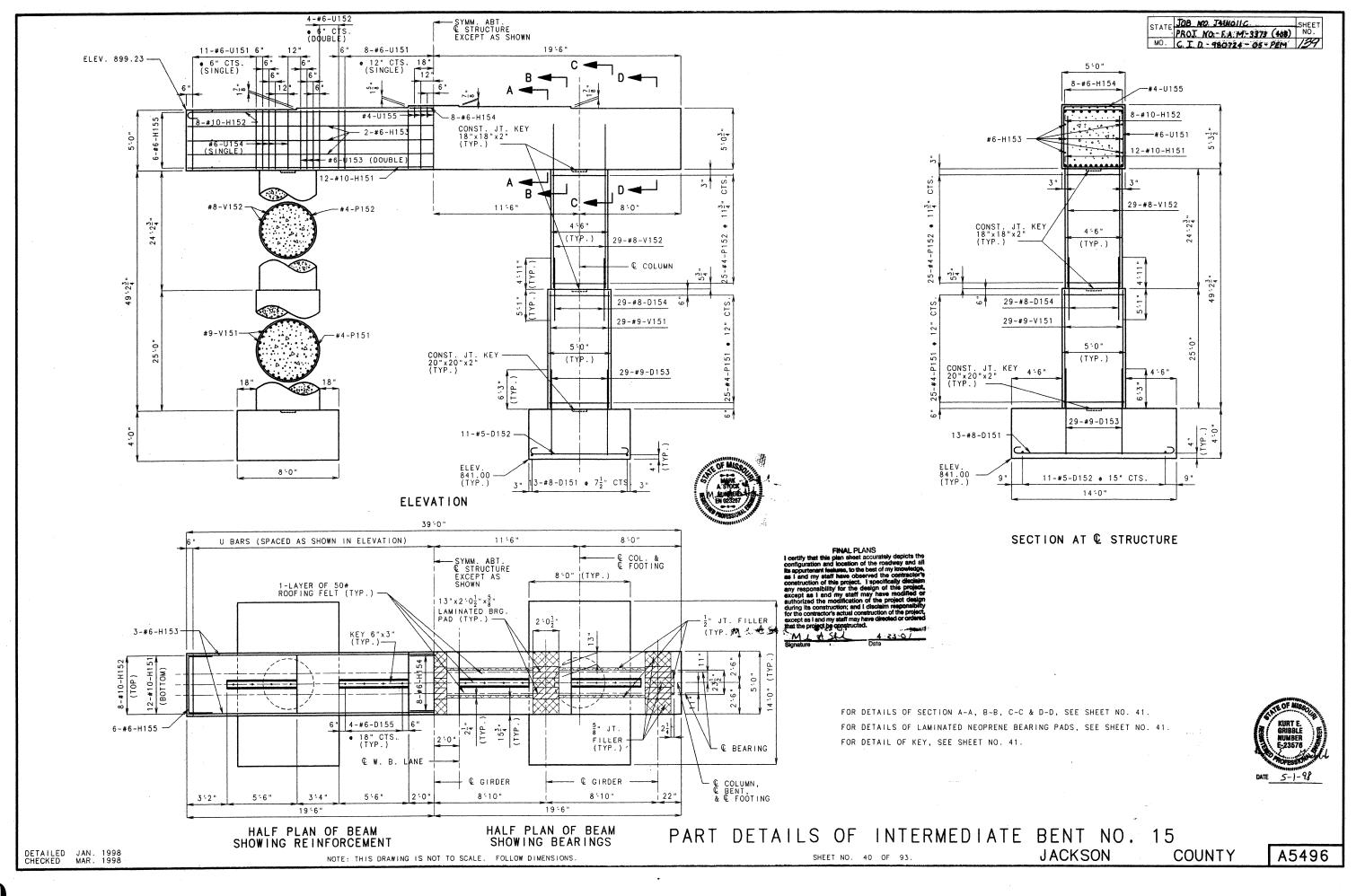
NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

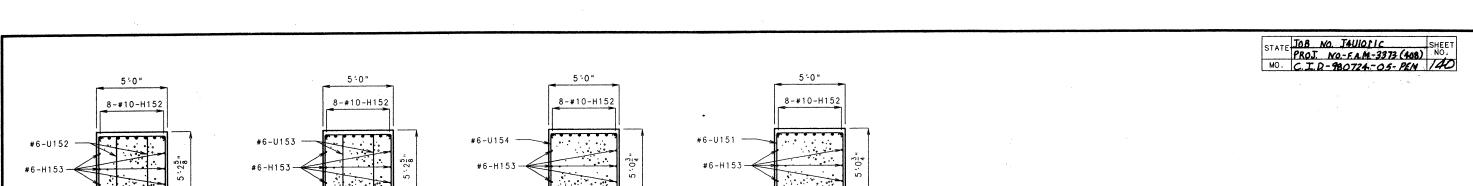
SHEET NO. 39 OF 93.

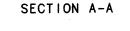
JACKSON

COUNTY

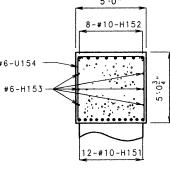
A5496



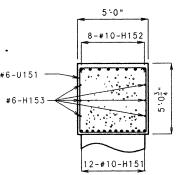




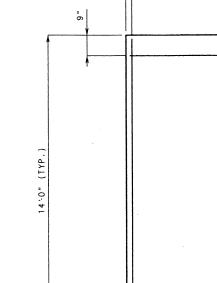
12-#10-H151 SECTION B-B



SECTION C-C



SECTION D-D



DETAIL OF KEY







PLAN OF FOOTING

13-#8-D151 • $7\frac{1}{2}$ " CTS.

8'0" (TYP.)

(TYP.) 2 2 0 ½ " PLAN
$12\frac{3}{7}$ " x 2 · 0 · 1 · (11 GAGE OR · 1 ·)
STEEL SHIM PLATE *
STEEL SHIM PLATE *
ELASTOMER
SECTION

DETAILS OF LAMINATED NEOPRENE BEARING PADS

* THE REQUIRED SHIM PLATE SHALL BE PLACED BETWEEN LAYERS OF ELASTOMER AND MOLDED TOGETHER TO FORM AN INTEGRAL UNIT.

FOR LOCATION OF SECTION A-A, B-B, C-C & D-D, SEE SHEET NO. 40.

SUBSTRUCTURE QUANTITY TABLE FOR BENT #15 QUANTITY ITEM 168.2 CLASS 1 EXCAVATION CU.YDS. 27.8 CLASS 2 EXCAVATION CU.YDS. 138.2 CLASS B CONCRETE (SUBSTRUCTURE) CU.YDS. REINFORCING STEEL (BRIDGES) LBS. 21,090 Cont. 5301 Found. Test Hole 16 -Cont. 5302 Cl. 2+50% 17.4

NOTE: THESE QUANTITIES ARE INCLUDED IN THE ESTIMATED QUANTITIES TABLE ON SHEET NO. 7.



PART DETAILS OF INTERMEDIATE BENT NO. 15

SHEET NO. 41 OF 93.

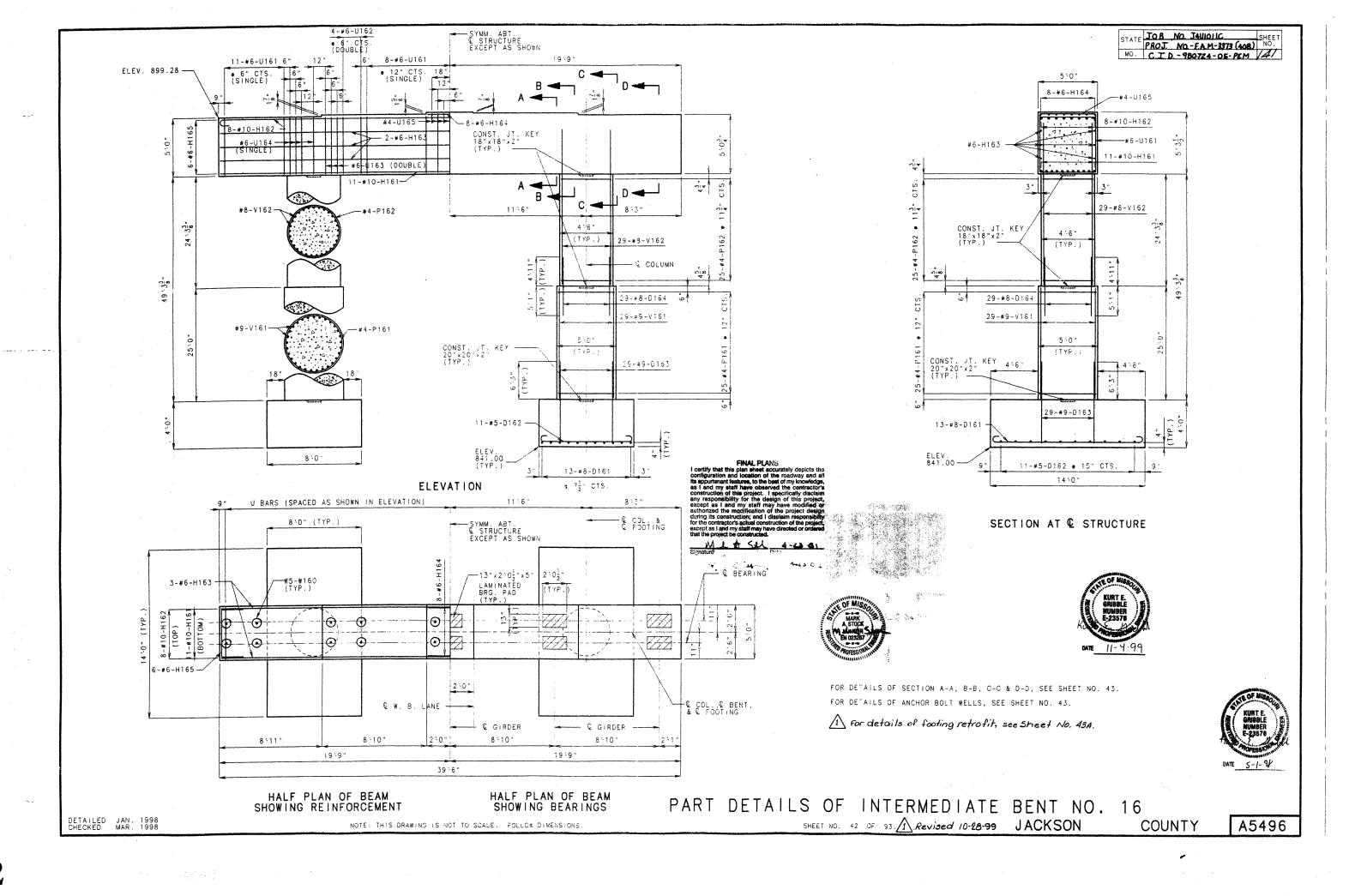
JACKSON

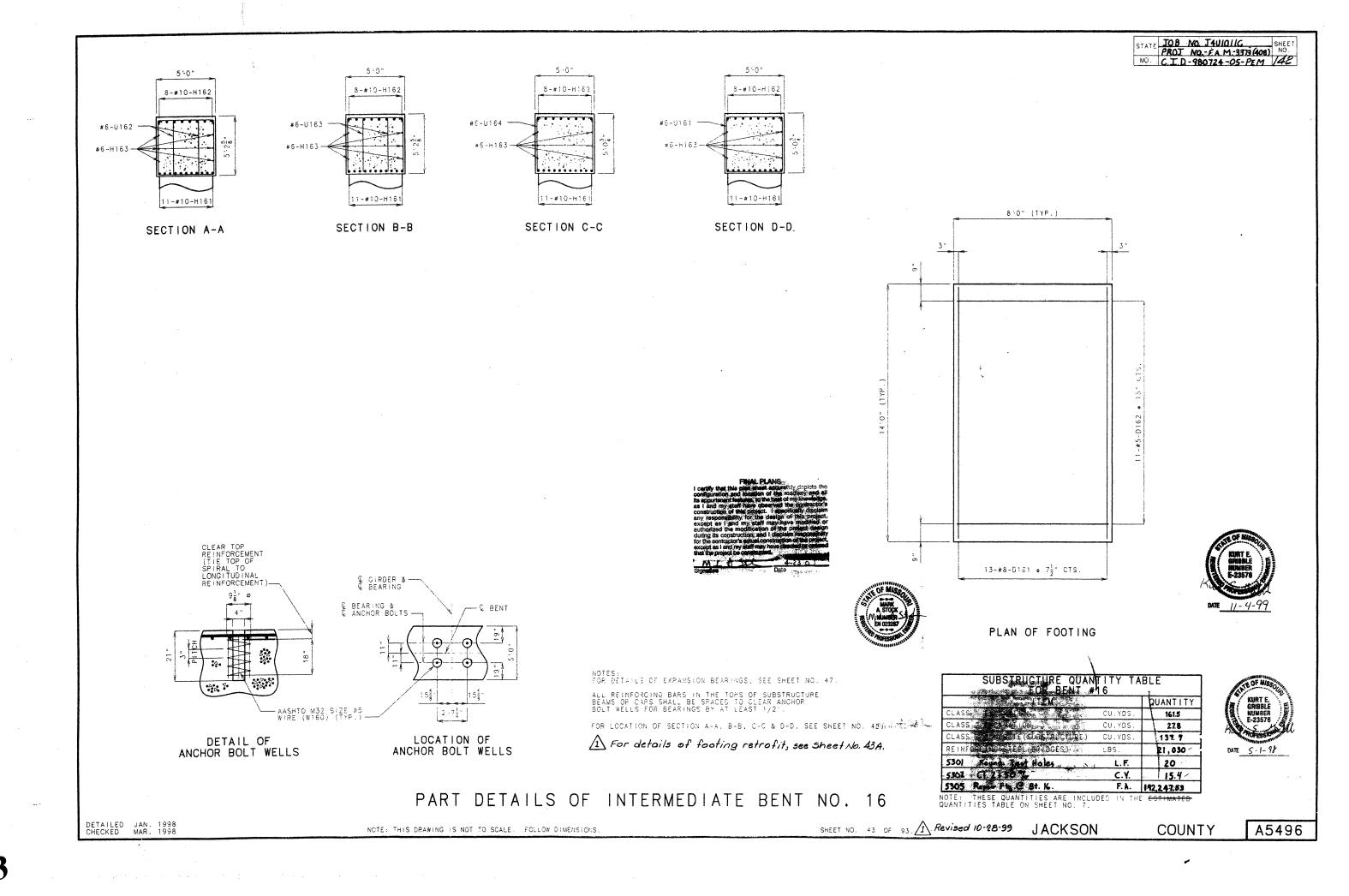
COUNTY

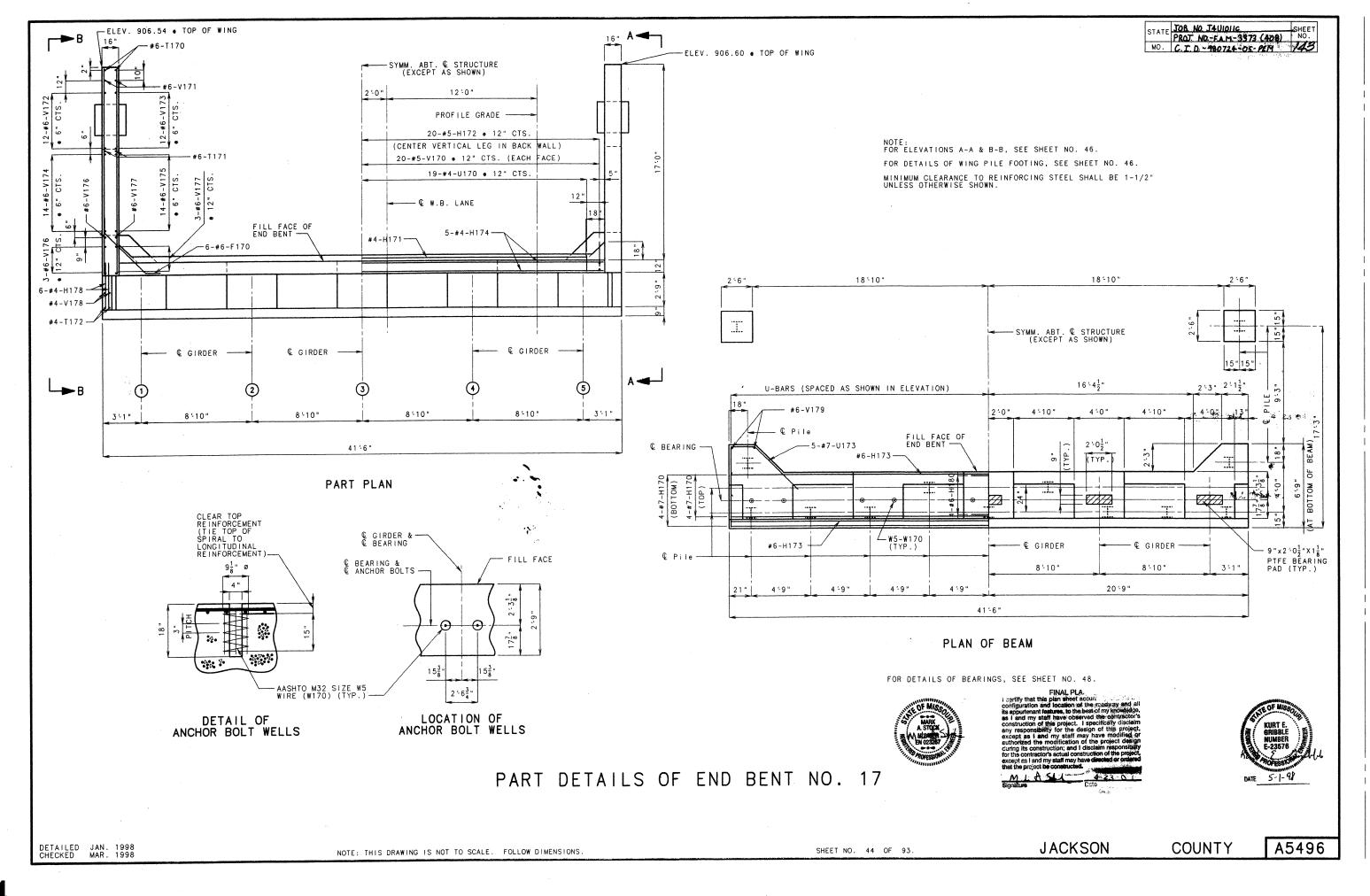
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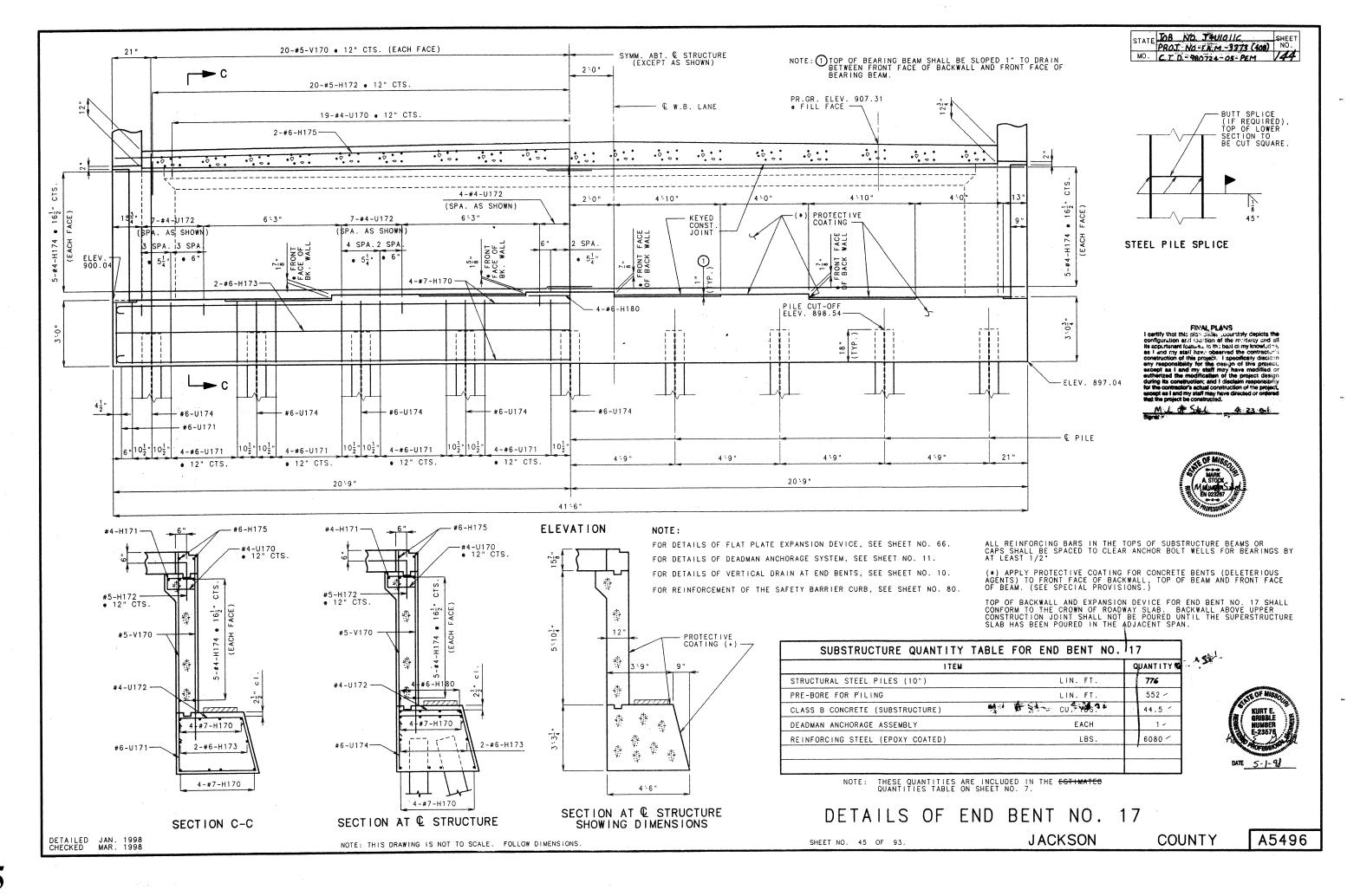
DETAILED JAN. 1998 CHECKED MAR. 1998

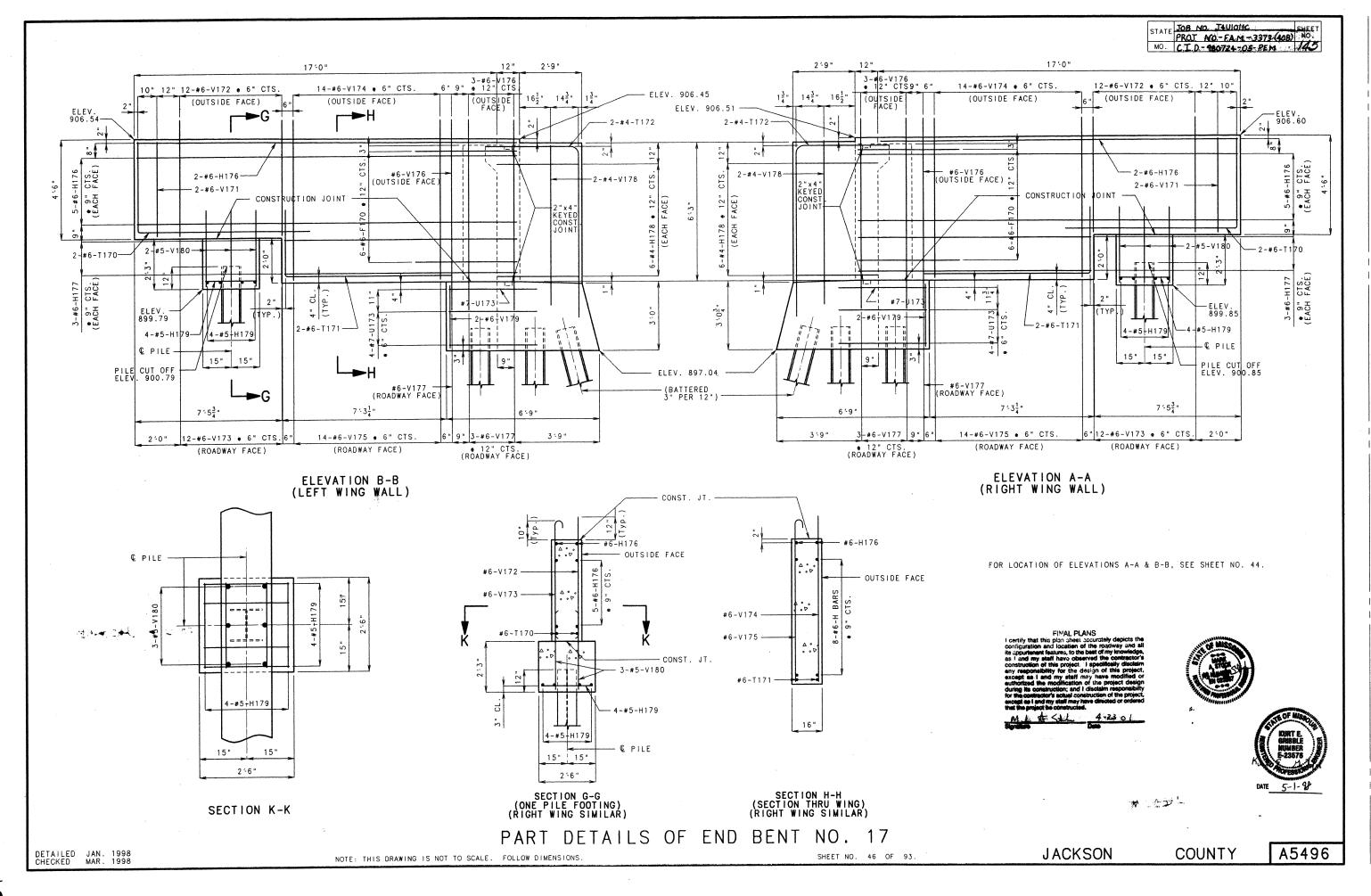
NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

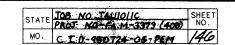


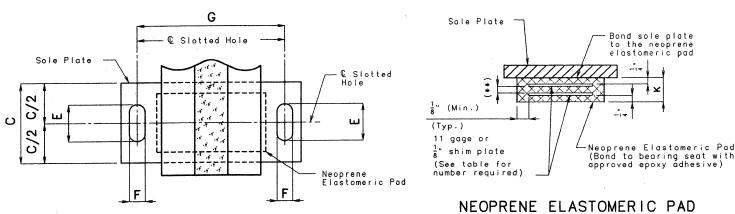












Q

Hex. Nut (Typ.)

-Sole Plate

Flat Surface (See Missouri Standard Specifications 712)

PART PLAN VIEW

D

END VIEW

 $\frac{1}{2}$ " Plate (See

prestress girder sheet for details)

Top of Bent Cap

(a)

Neoprene Elastomeric Pad

DETAILED JAN. 1998

CHECKED MAR. 1998

FINAL PLANS

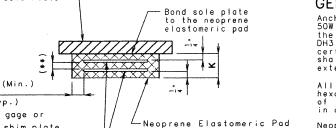
NEOPRENE ELASTOMERIC PAD

(**) Layers of $\frac{1}{2}$ " elastomer alternating with 11 gage or $\frac{1}{9}$ " steel shim plate.

В

C

SIDE VIEW





Anchor boits shall be 1 diameter ASTM A709 Grade 50W steel swedged boits and shall extend 2 into the concrete with A194-2, 2H, or A563-C, C3, D, DH, DH3 heavy hexagon nuts. Actual manufacturer's certified mill test reports (chemical and mechanical) shall be provided. Swedging shall be 1" less than extension into the concrete.

All structural steel for anchor bolts and heavy hexagon nuts shall be coated with a minimum of two coats of inorganic zinc primer (5 mils minimum) or galvanized in accordance with ASTM A153.

Neoprene Elastomeric Pads shall be 60 Durometer. The neoprene pad shall be bonded to the bearing seat with an epoxy adhesive as approved by the bearing manufacturer for bonding neoprene to concrete.

The sole plate shall be furnished with the bearing and field welded to the girders. $\label{eq:constraint} % \begin{array}{c} \left(\frac{1}{2} \right) \left(\frac{1}{2} \right$

 $\mathbb{Q} = \frac{9}{16}$ \emptyset Hole for $\frac{1}{2}$ \emptyset

anchor bolt with heavy hex nut (All galvanized)

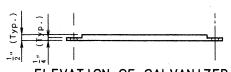
Structural steel for the sole plate shall be ASTM A709 Grade 36 and shall be coated with a minimum of 2 coats of inorganic zinc primer (5 mils minimum).

The accepted quantity of the elastomeric bearing assemblies, complete-in-place, will be paid for at the contract unit price for Laminated Neoprene Bearing Pads, (prestress structures), each.

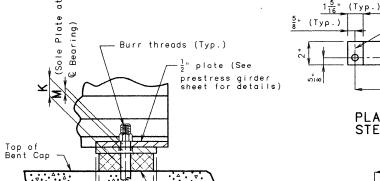
Payment for the sole plate, anchor bolts and heavy hexagon nuts shall be included in the cost of the bearing assembly. See Special Provisions.

Provide a 1/2" stopper plate to prevent the loss of support due to creeping of neoprene bearings from under girders at expansion bearings.

Payment for all galvanized material shall be included in the cost of laminated neoprene bearing pads, (prestressed structures), each.



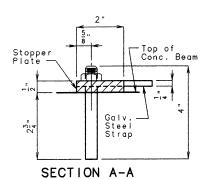
ELEVATION OF GALVANIZED STEEL STOPPER PLATE

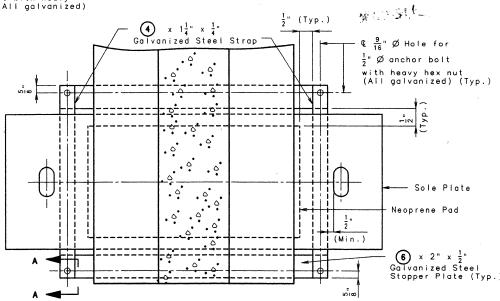


Elastomeric Pad

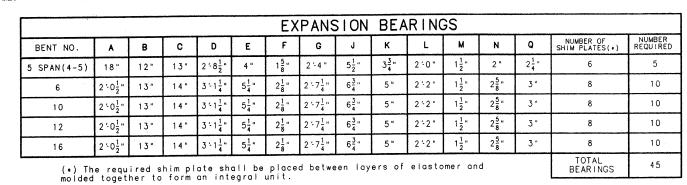
PLAN OF GALVANIZED STEEL STOPPER PLATE

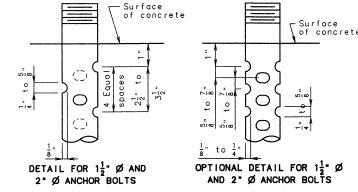
(5)





PART PLAN SHOWING STOPPER PLATE





SWEDGE ANCHOR BOLT DETAILS

- 1 $\frac{1}{2}$ " (Bent No. 5 (Span 4-5)), 2" (Bents No. 6, 10, 12, & 16)
- 2 15" (Bent No. 5 (Span 4-5)), 18" (Bents No. 6, 10, 12, & 16)
- (3) $2\frac{1}{4}$ " (Bent No. 5 (Span 4-5)), $2\frac{1}{2}$ " (Bents No. 6, 10, 12, & 16)
- (4) 17" (Bent No. 5 (Span 4-5)) 18" (Bents No. 6, 10, 12, & 16)
- (5) $20\frac{1}{4}$ " (Bent No. 5 (Span 4-5)) $2^{1}2^{\frac{3}{4}}$ (Bents No. 6, 10, 12, & 16)
- (6) $21\frac{1}{5}$ " (Bent No. 5 (Span 4-5)) 2'4" (Bents No. 6, 10, 12 3 2)





DETAILS OF LAMINATED NEOPRENE BEARINGS

FOR BENTS NO. 5 (SPAN 4-5), 6, 10, 12 & 16 (PRESTRESSED STRUCTURES)

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS

SHEET NO. 47 OF 93.

JACKSON

COUNTY

A5496

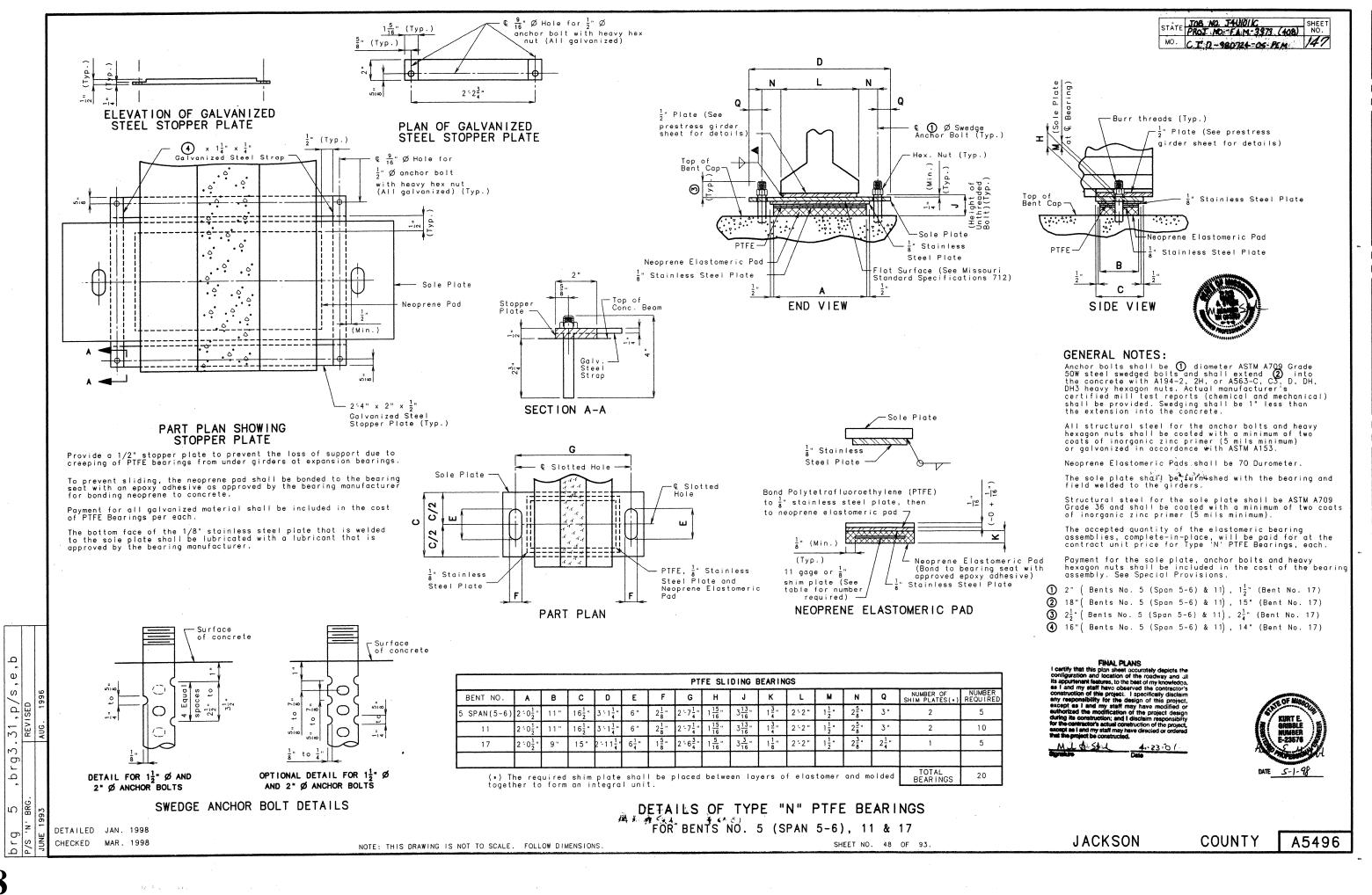
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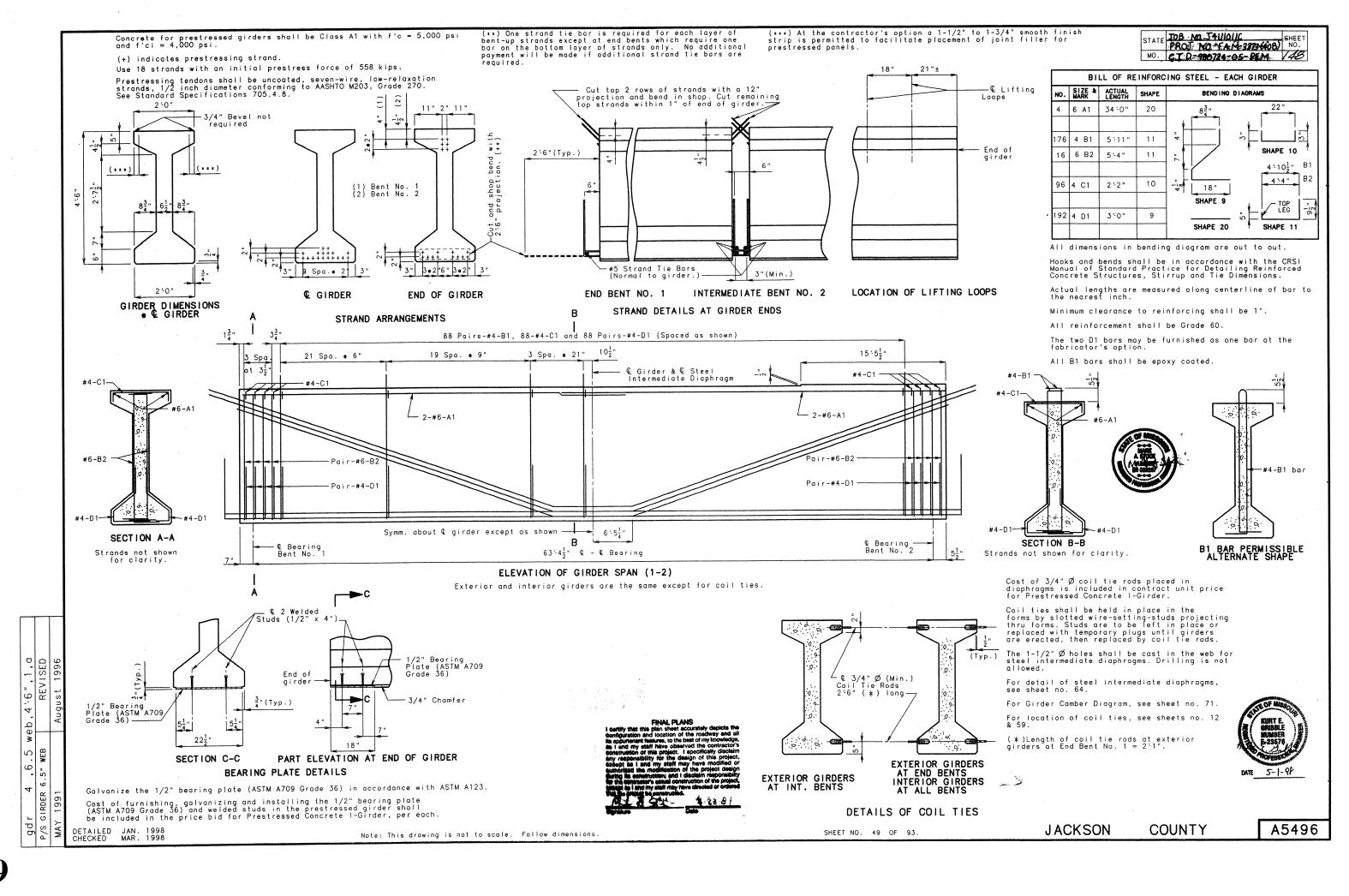
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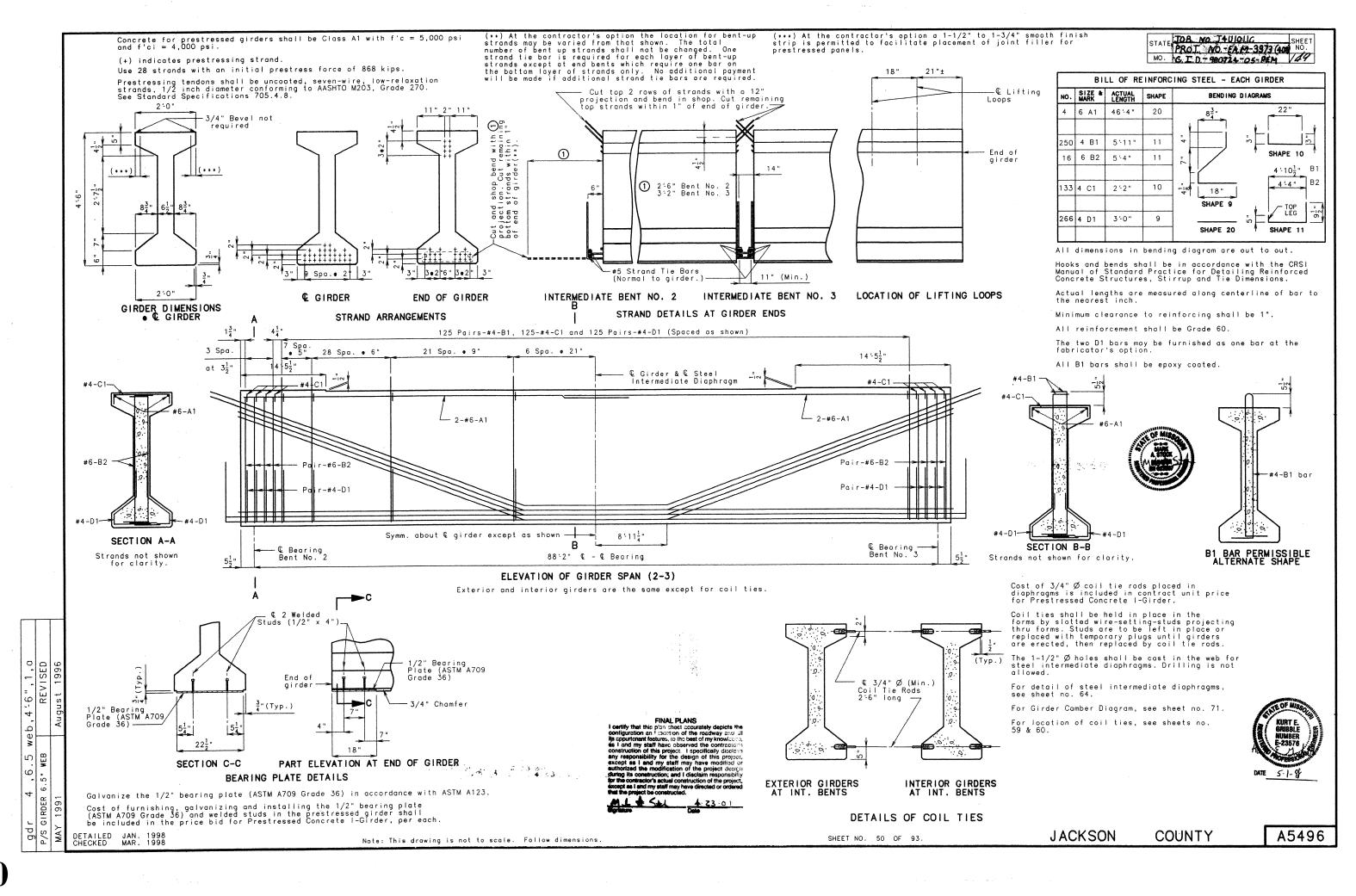
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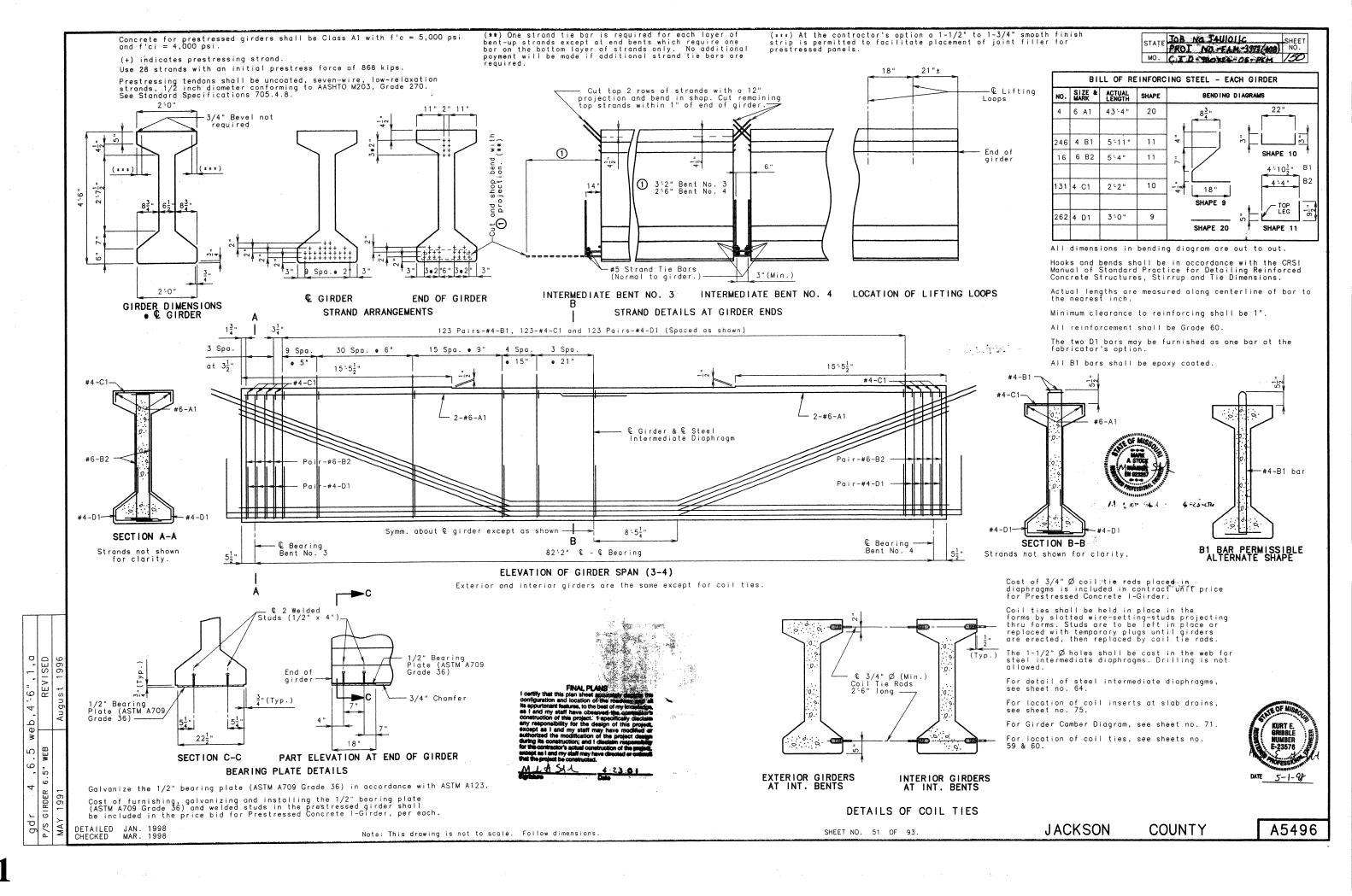
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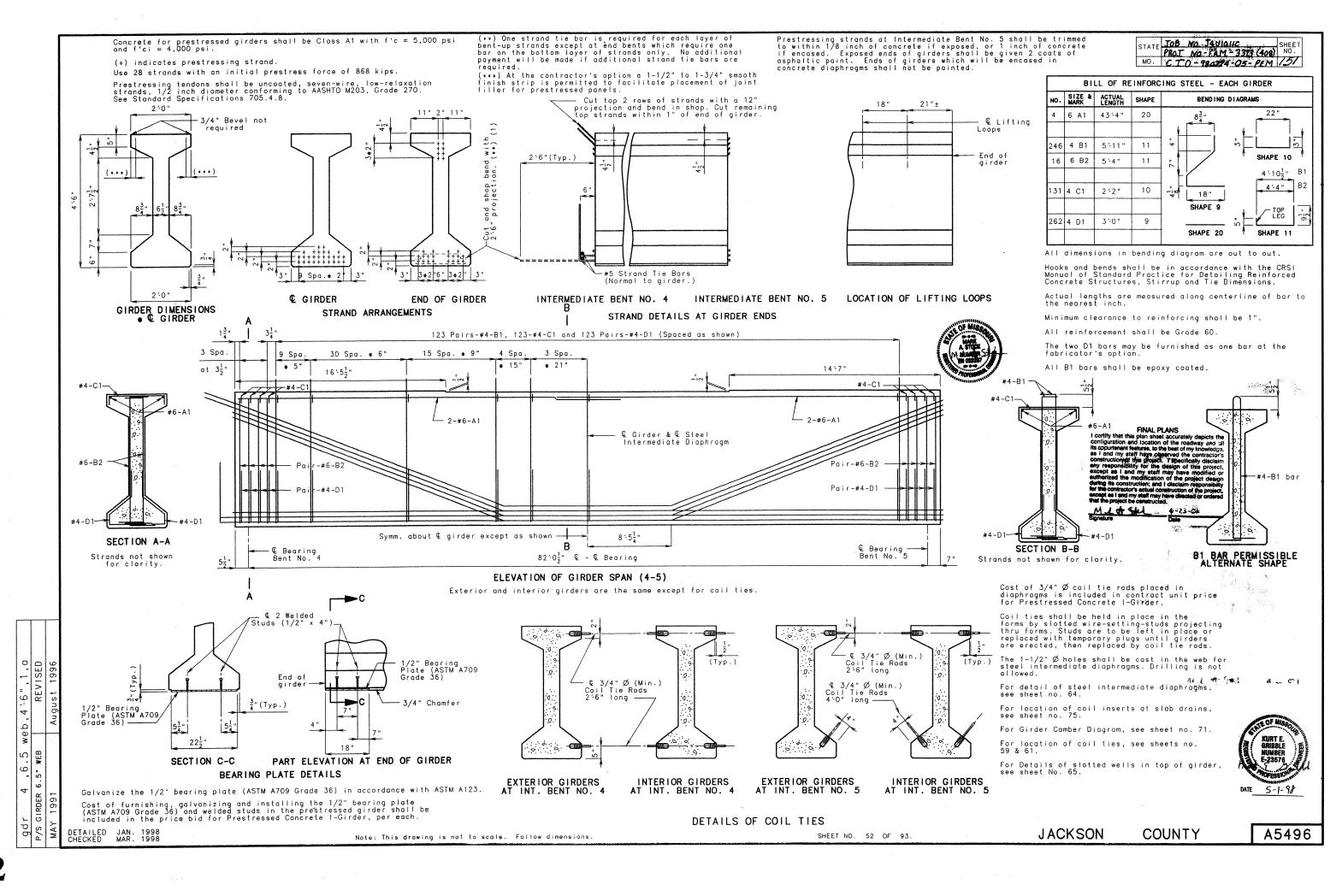
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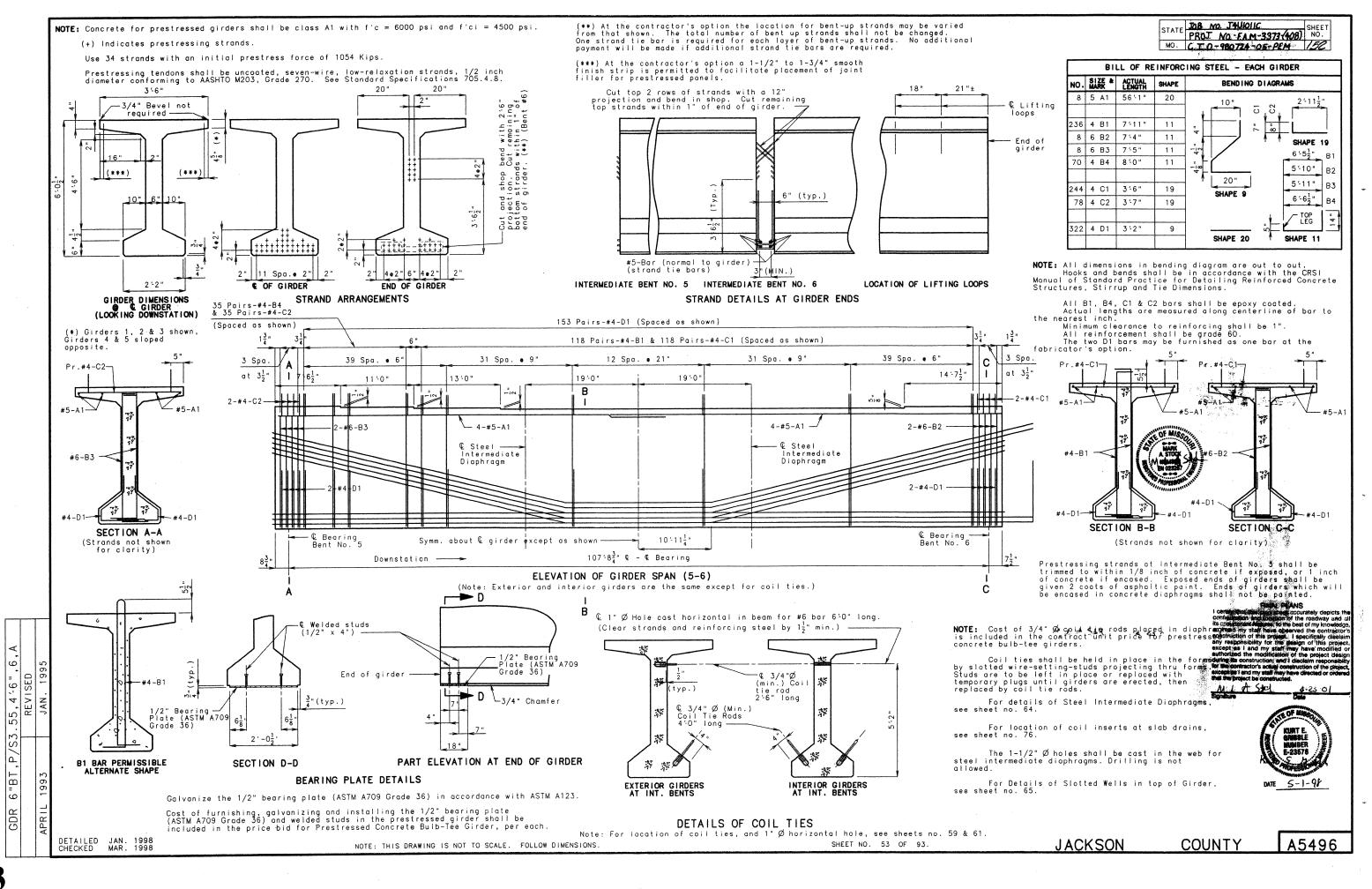


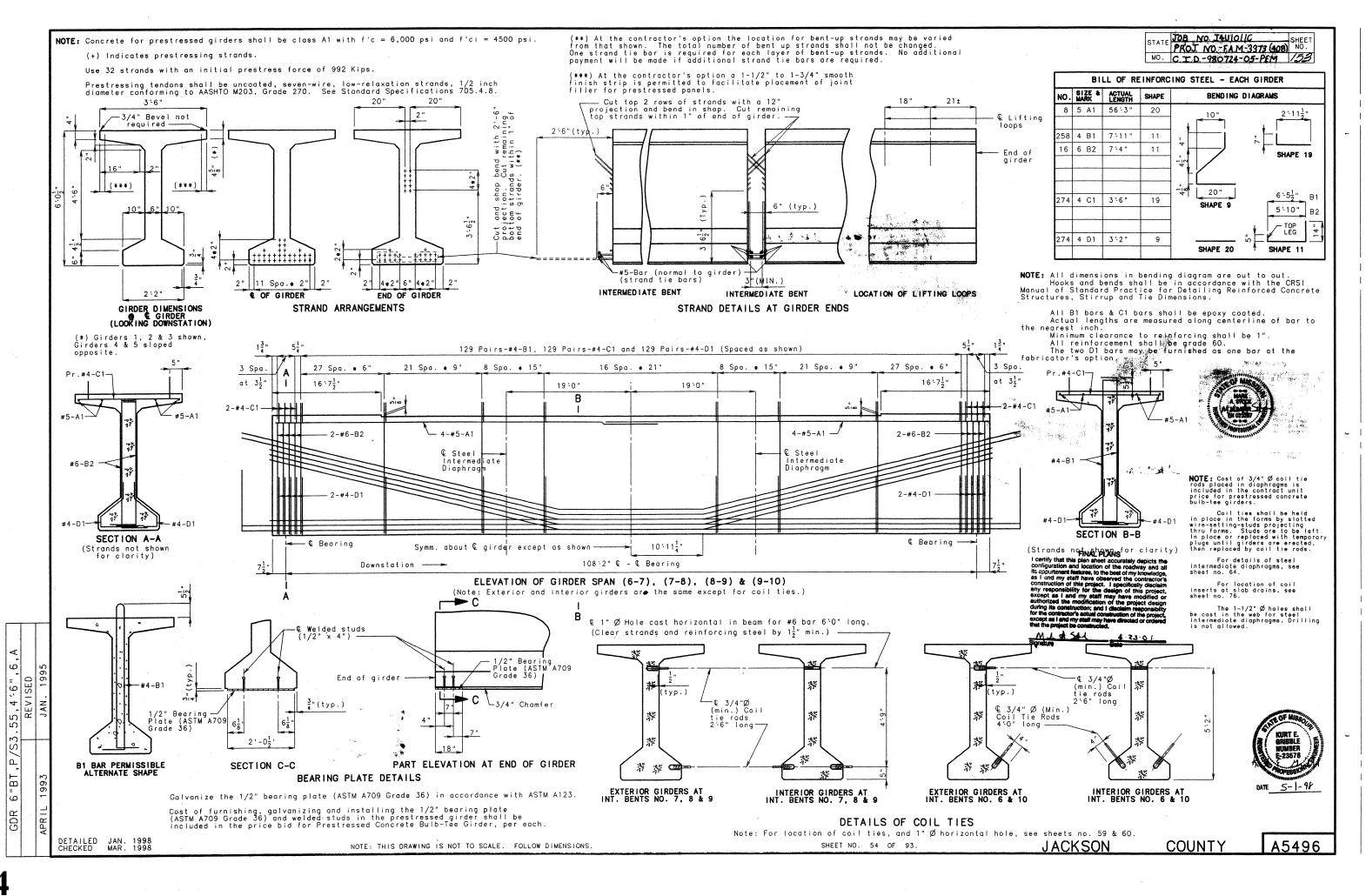


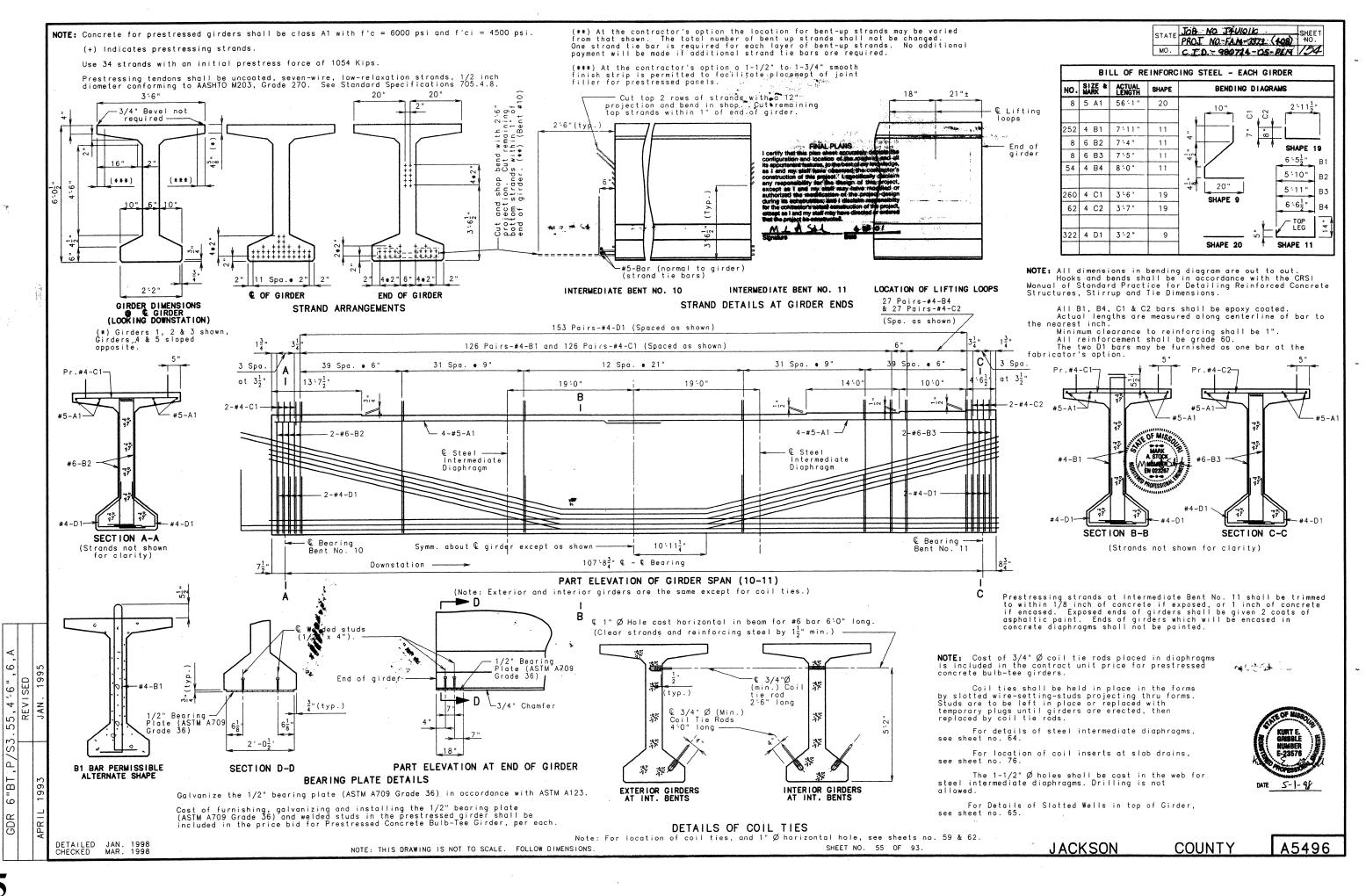


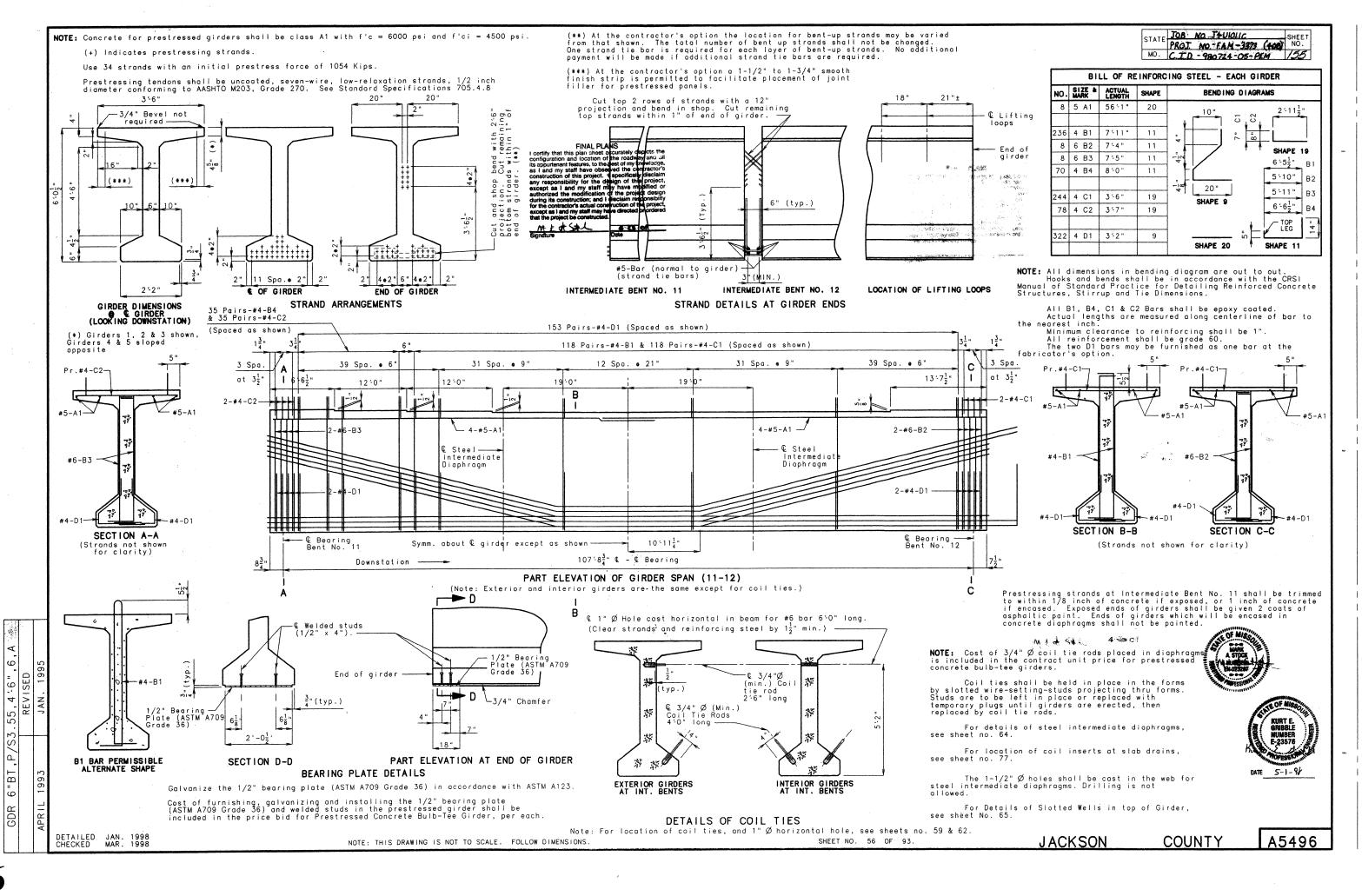


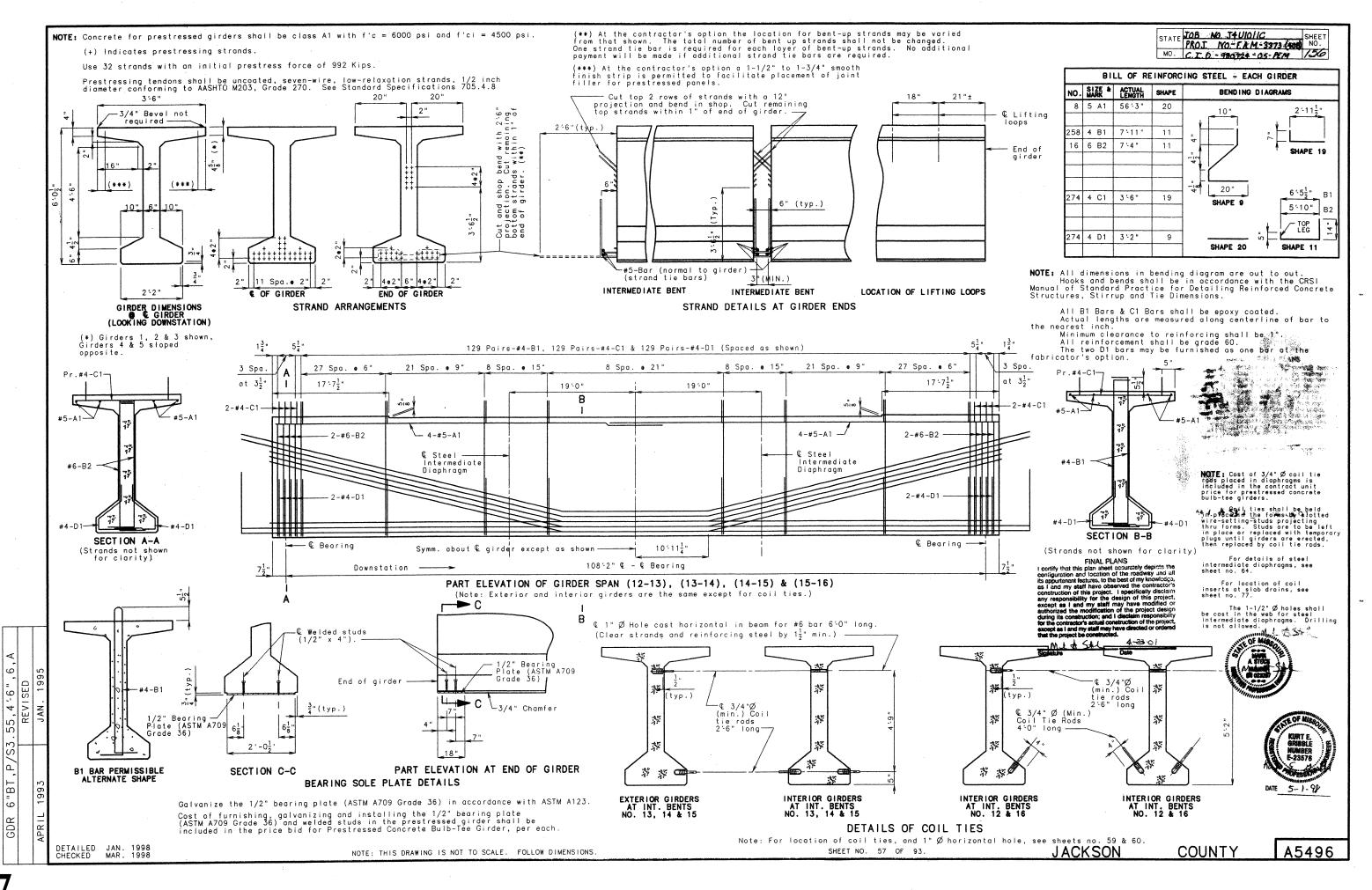


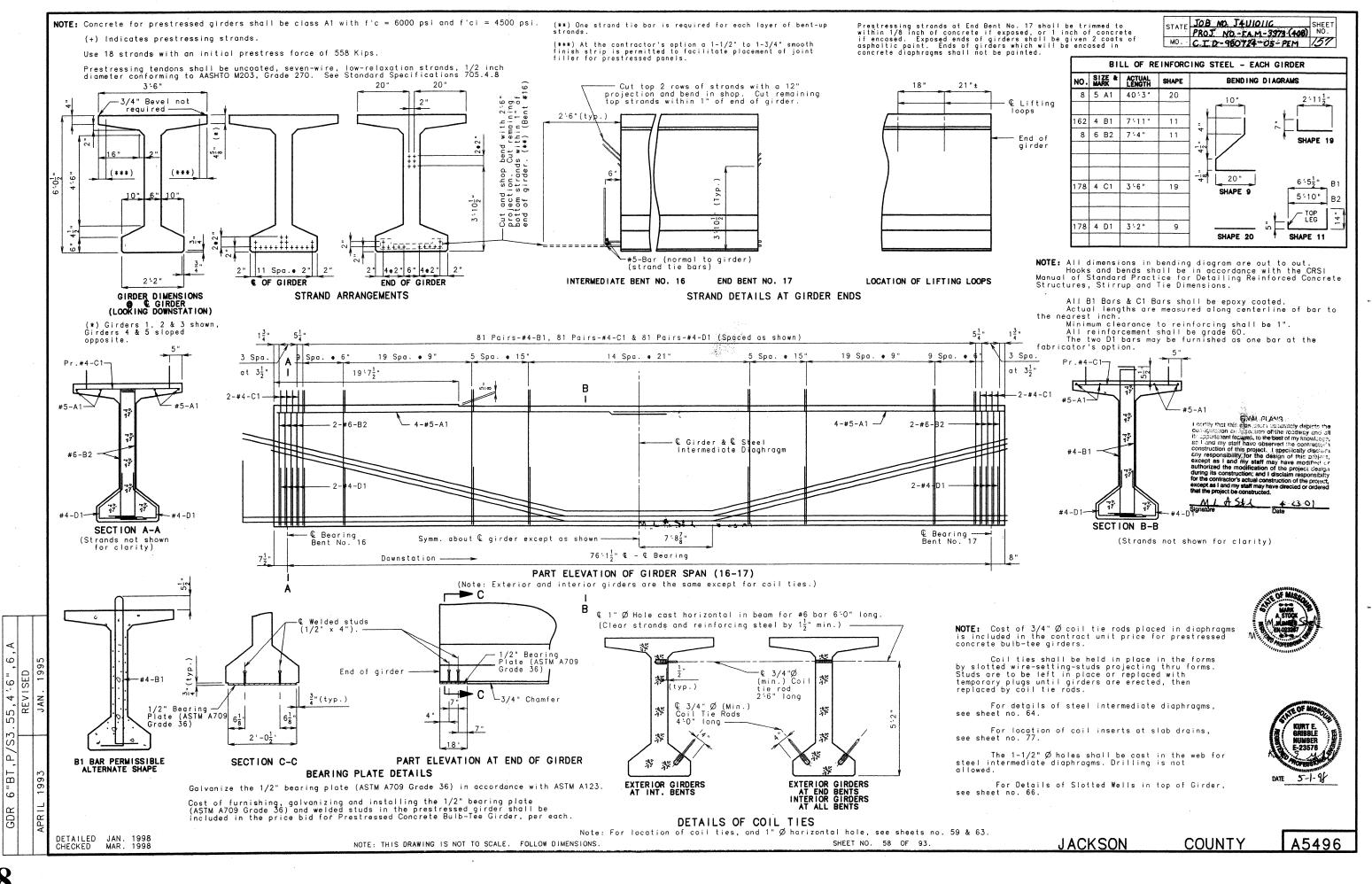


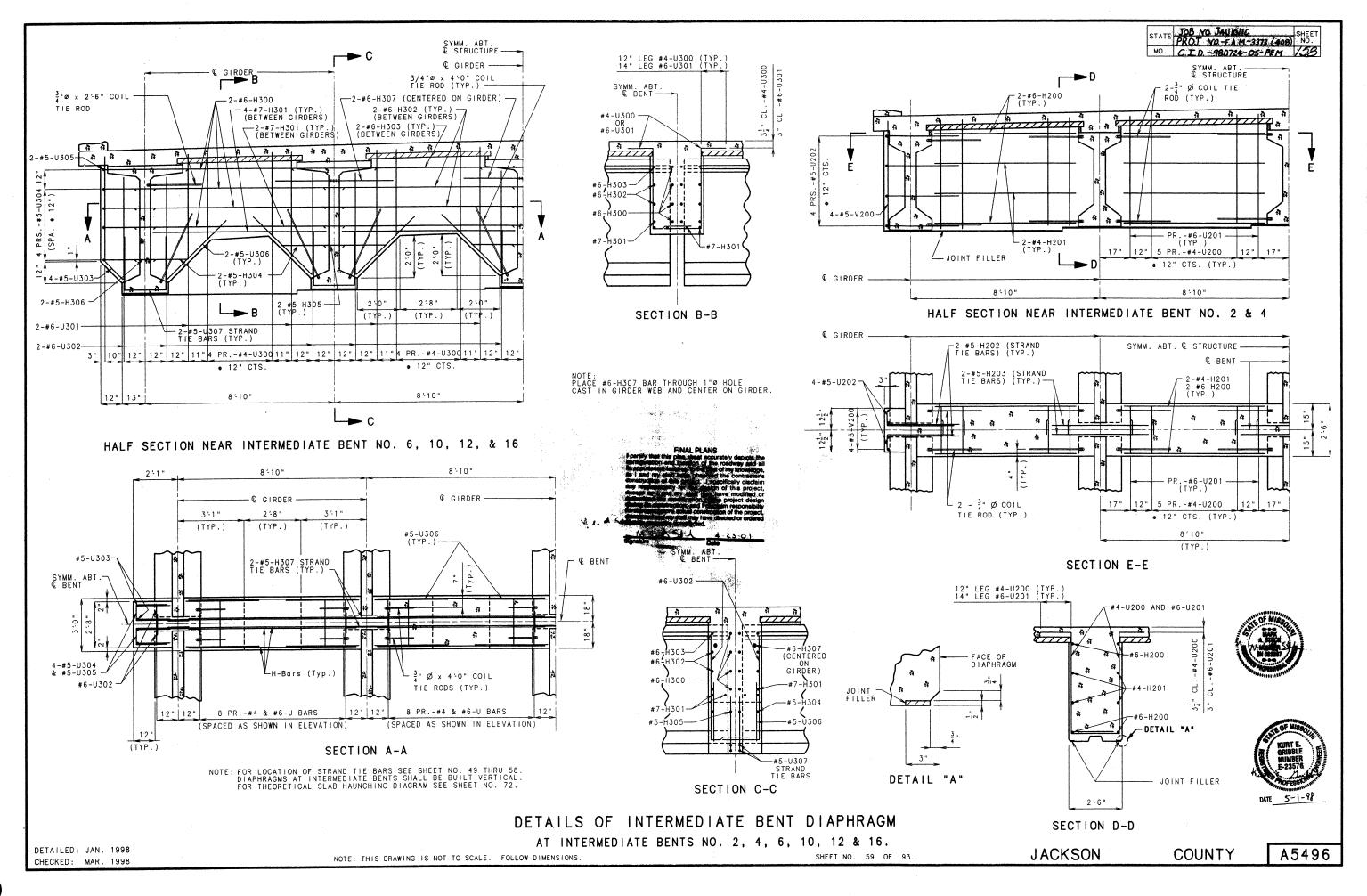


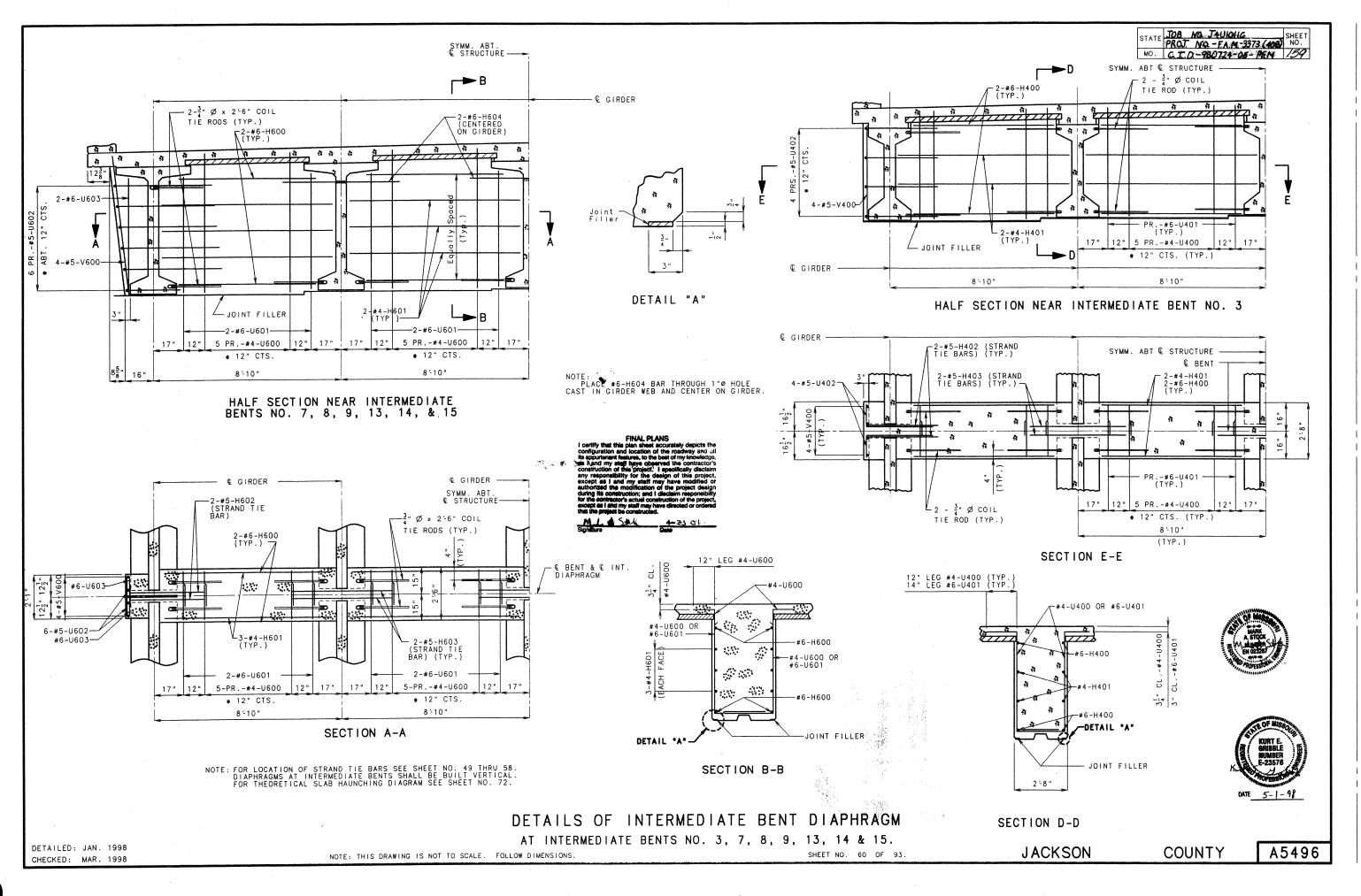


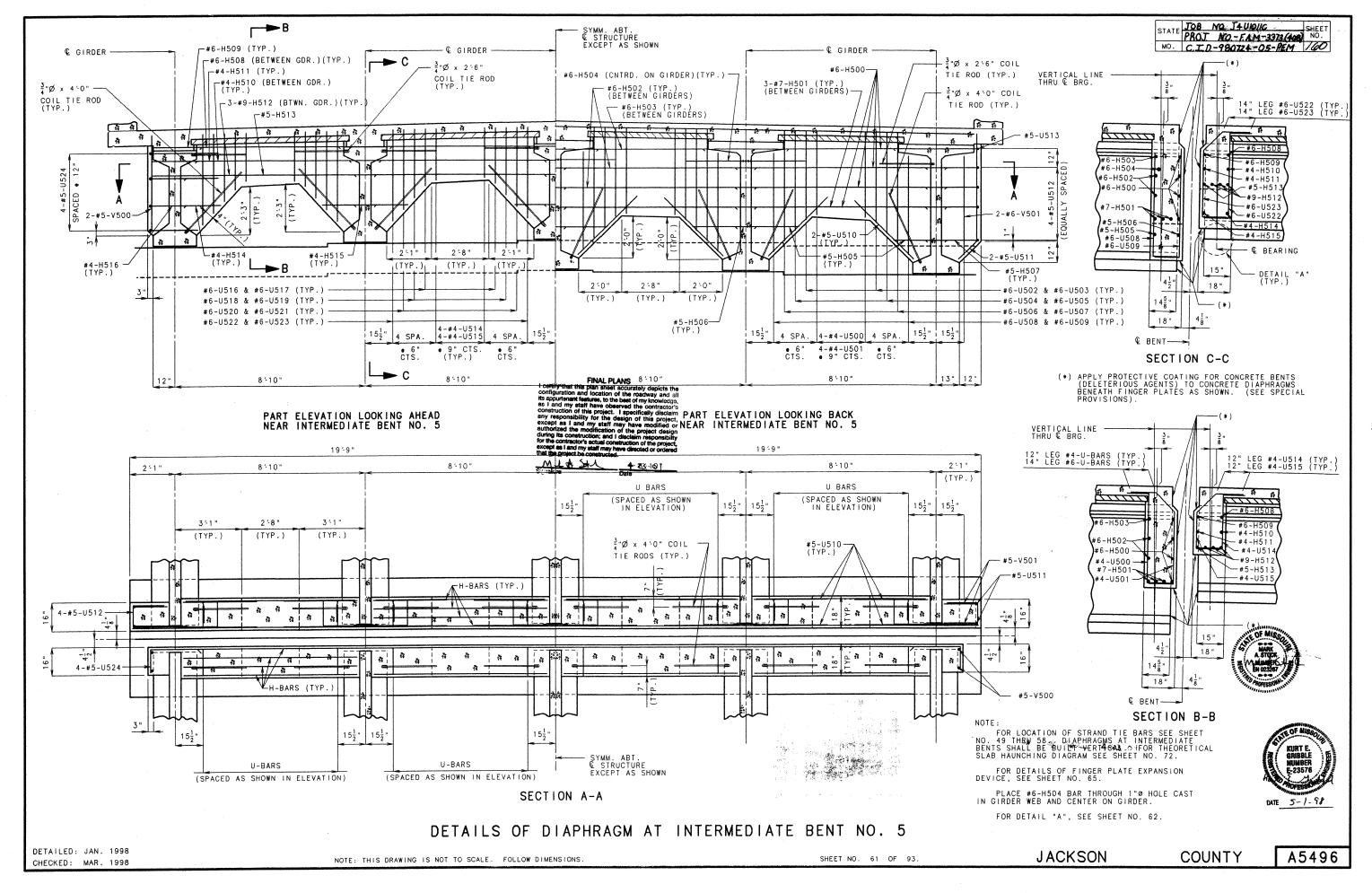


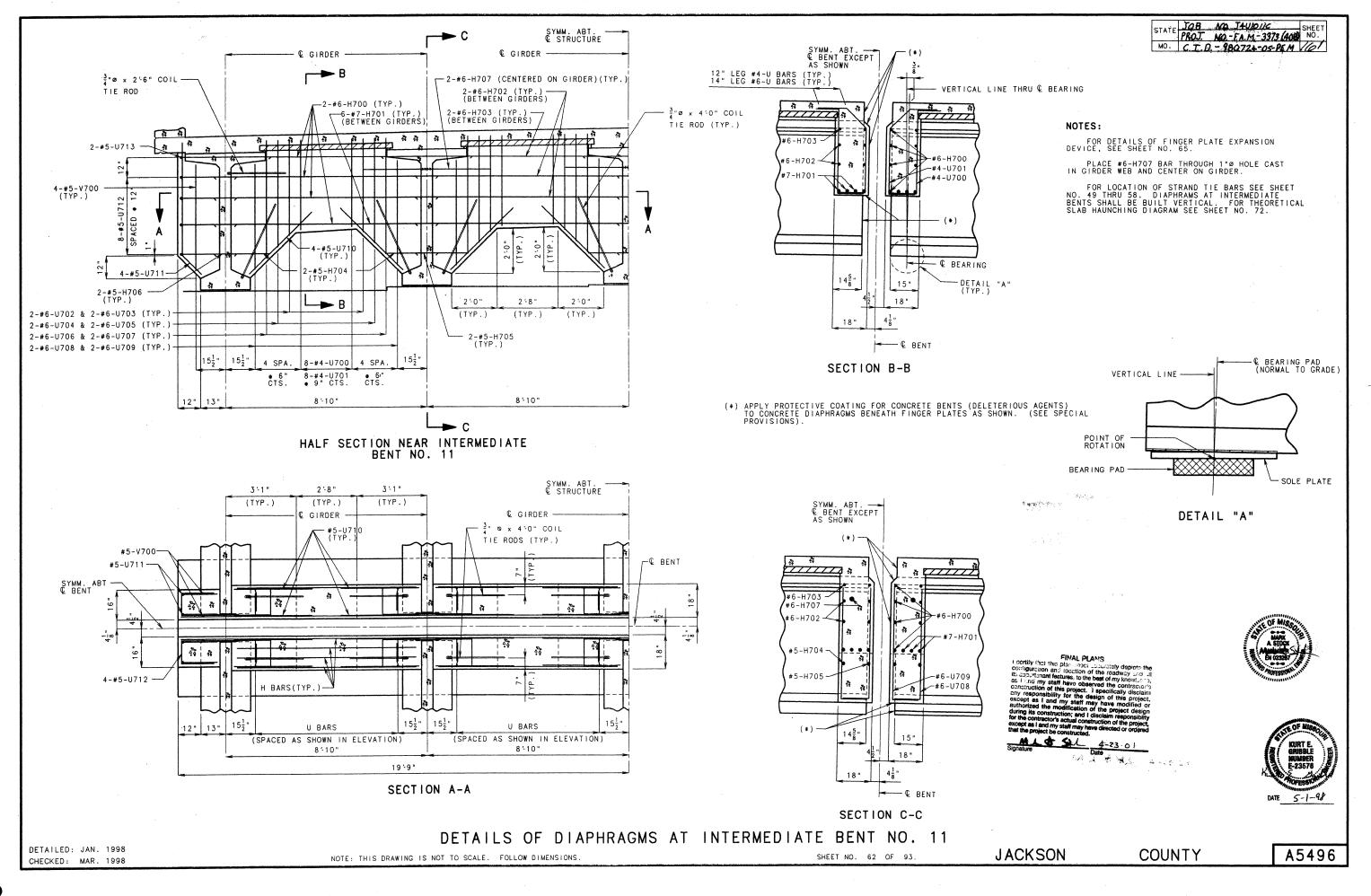


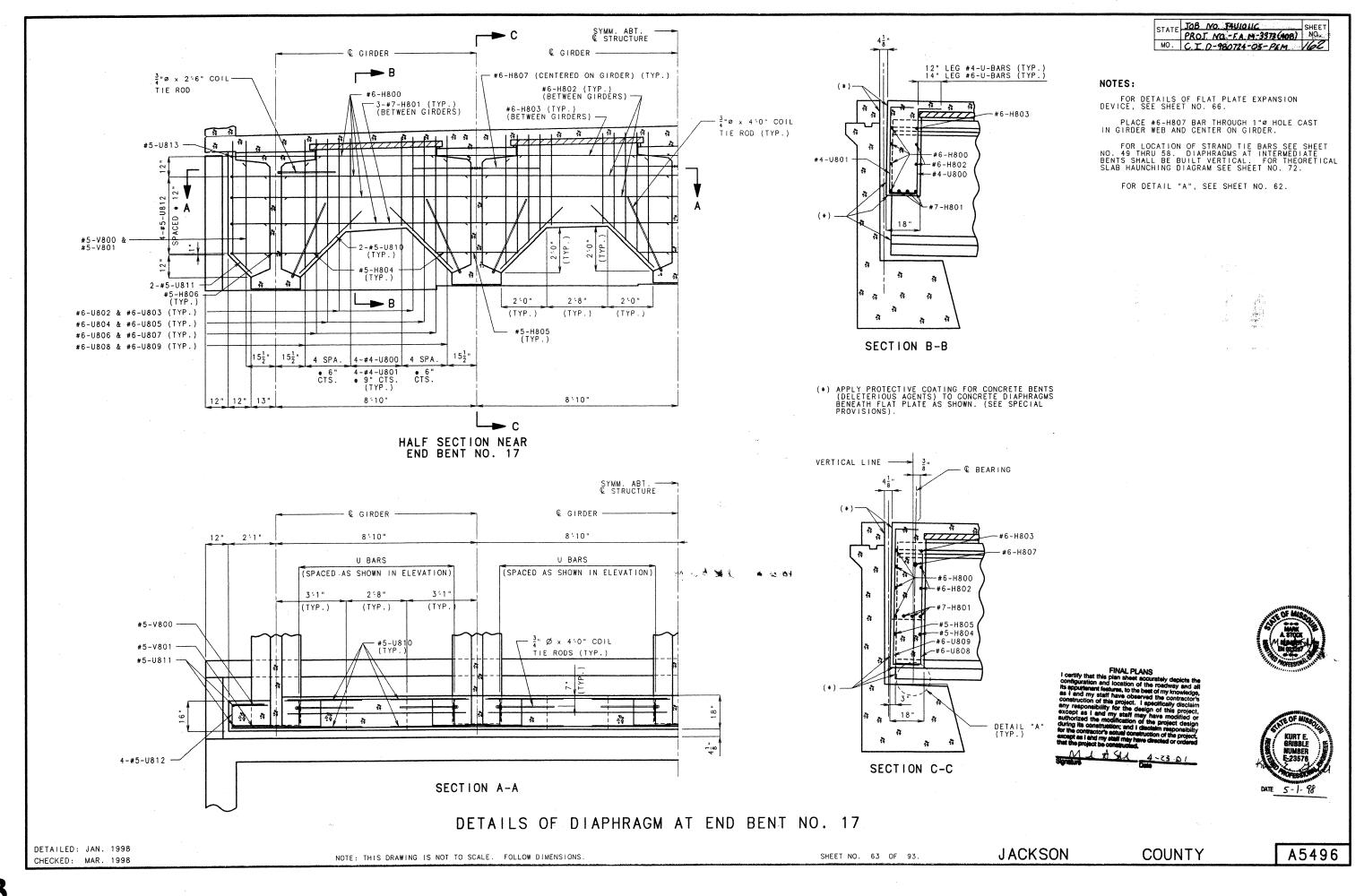


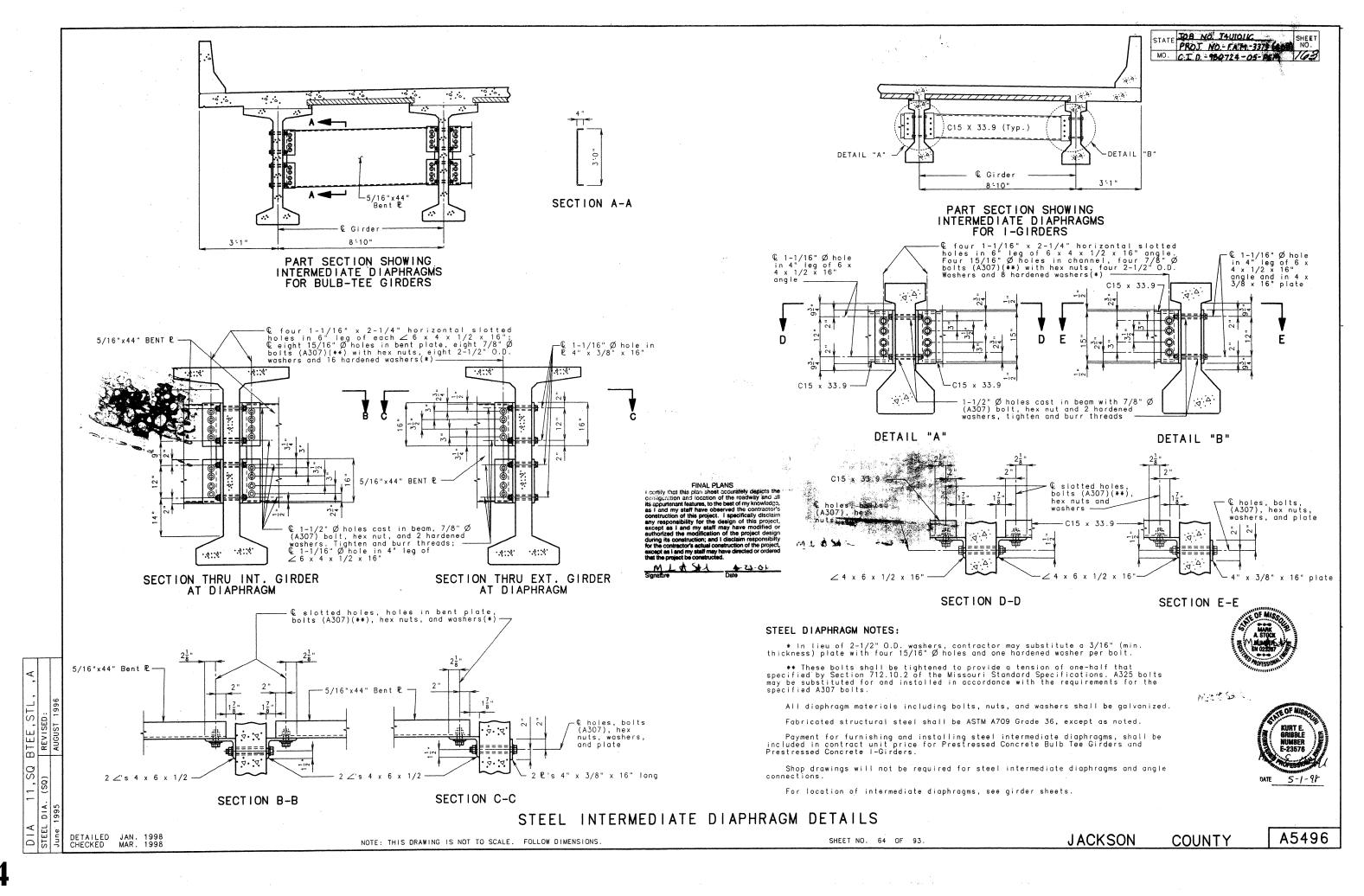


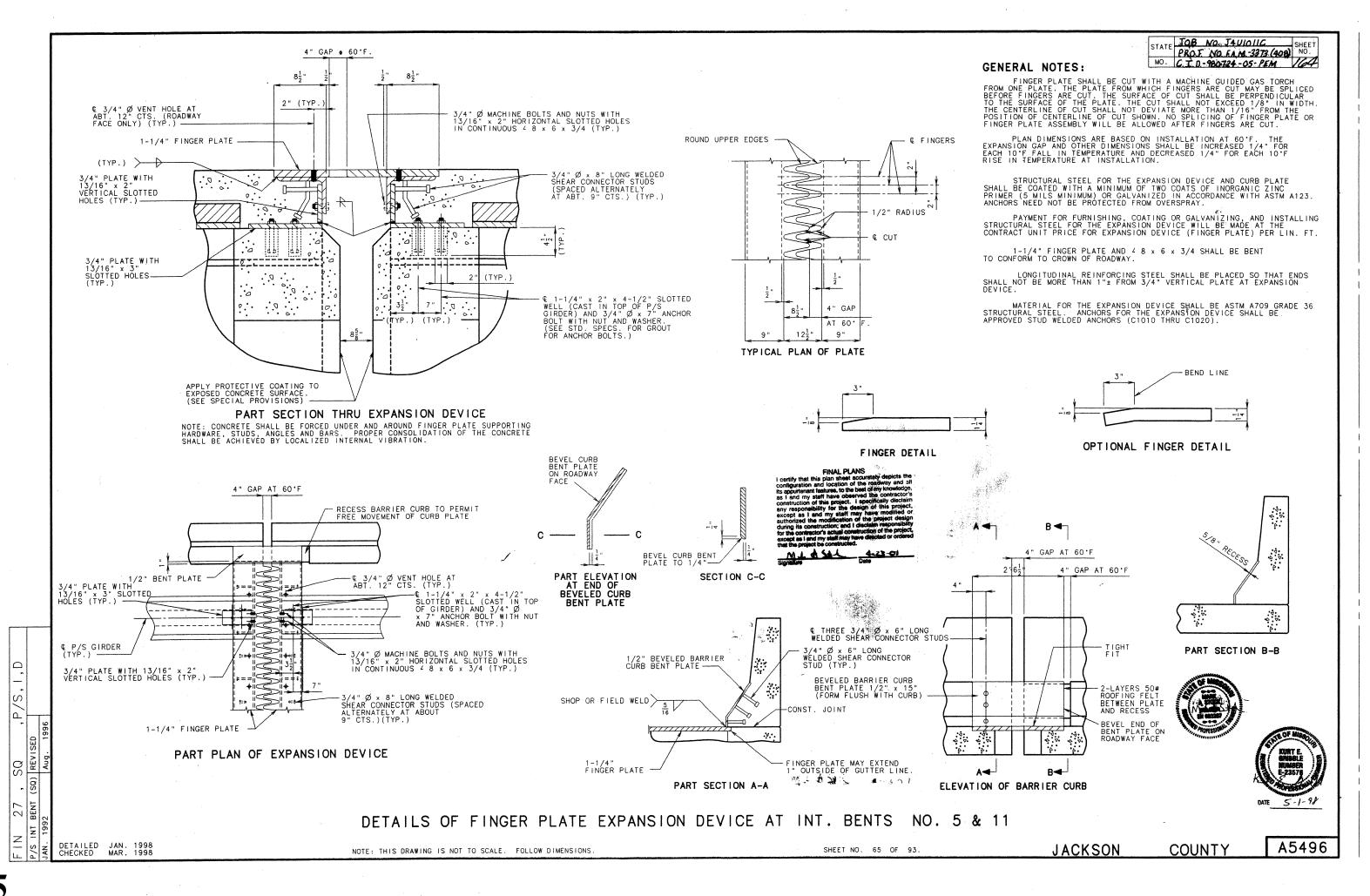


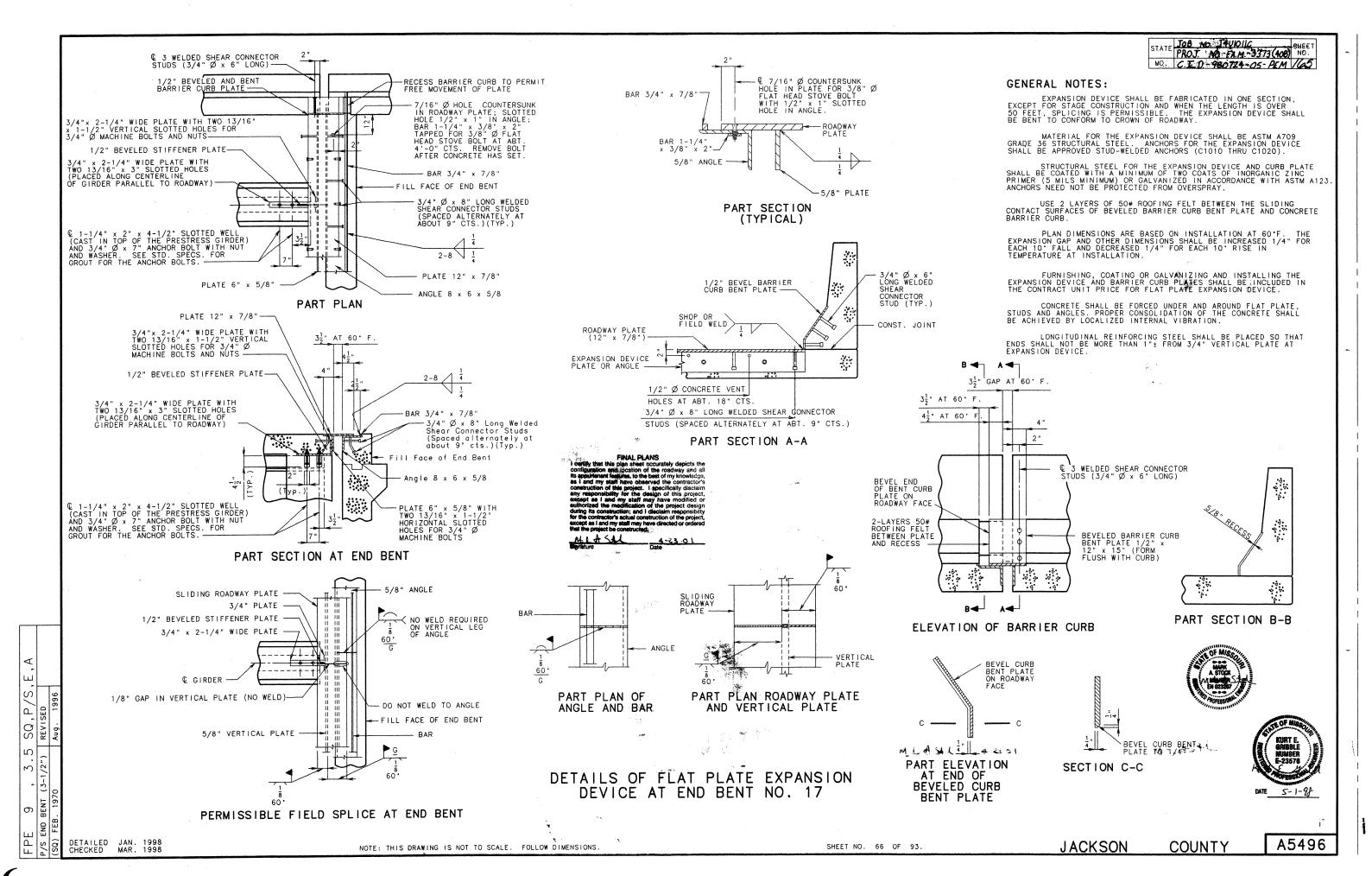


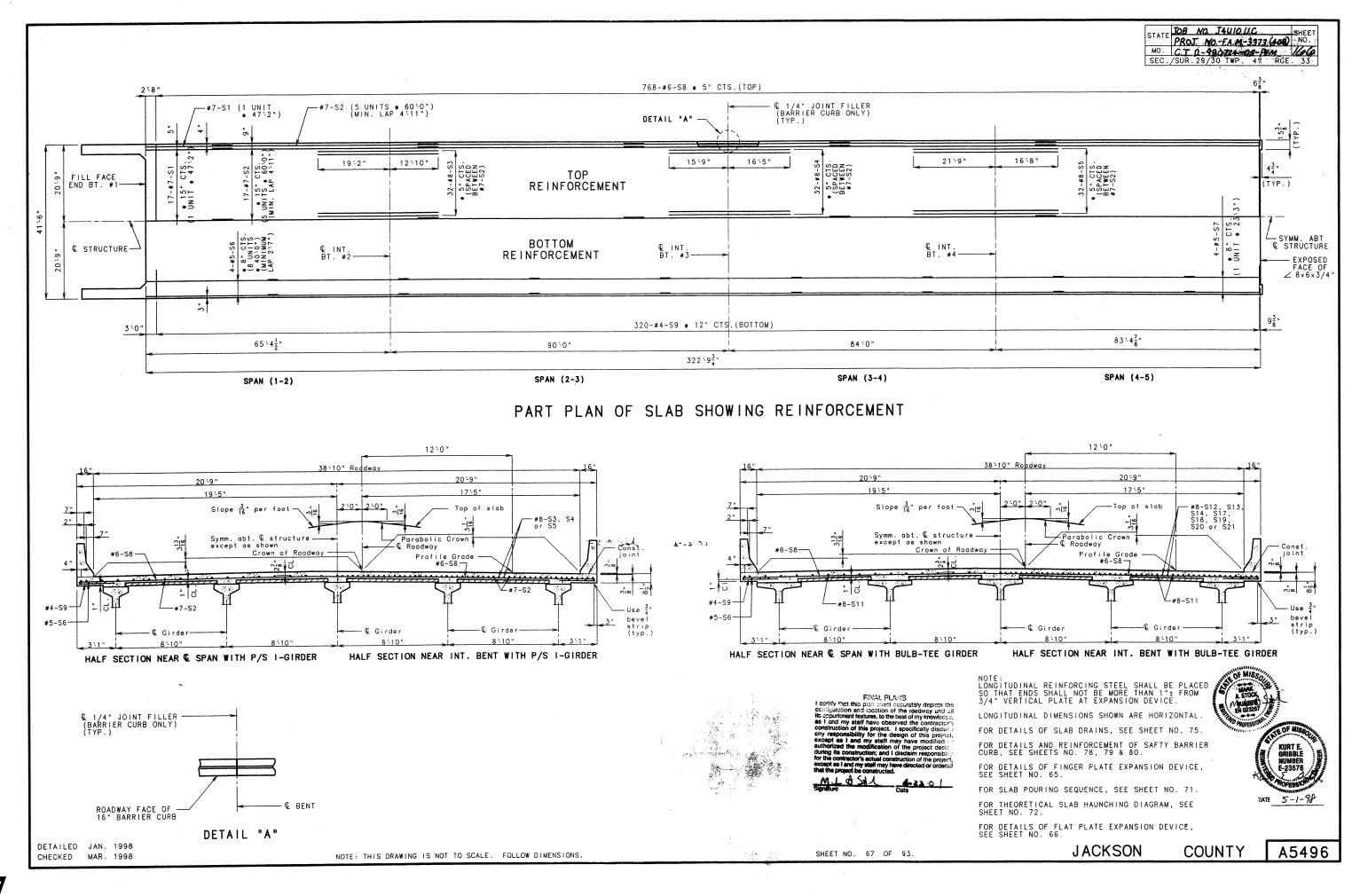


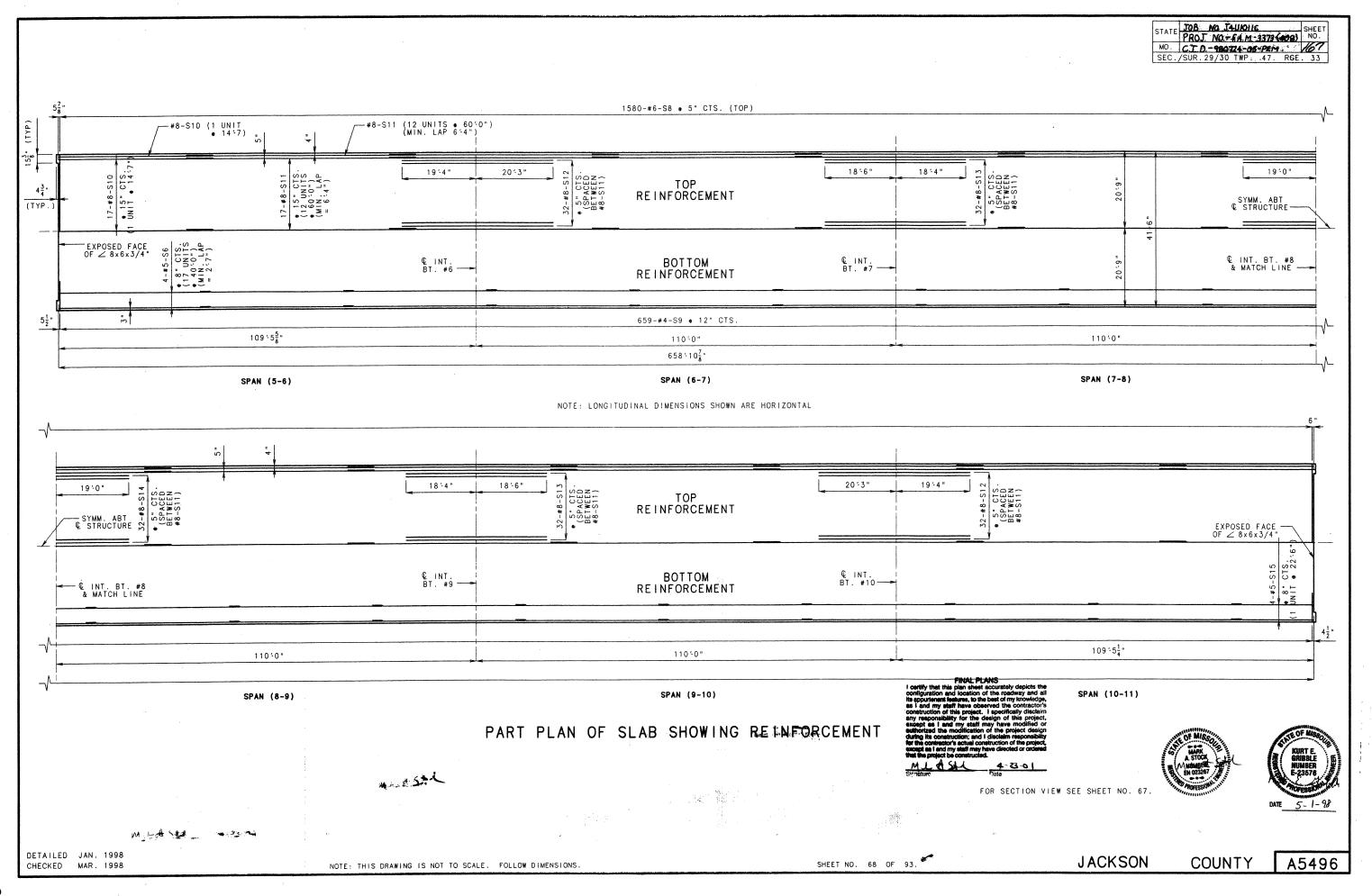


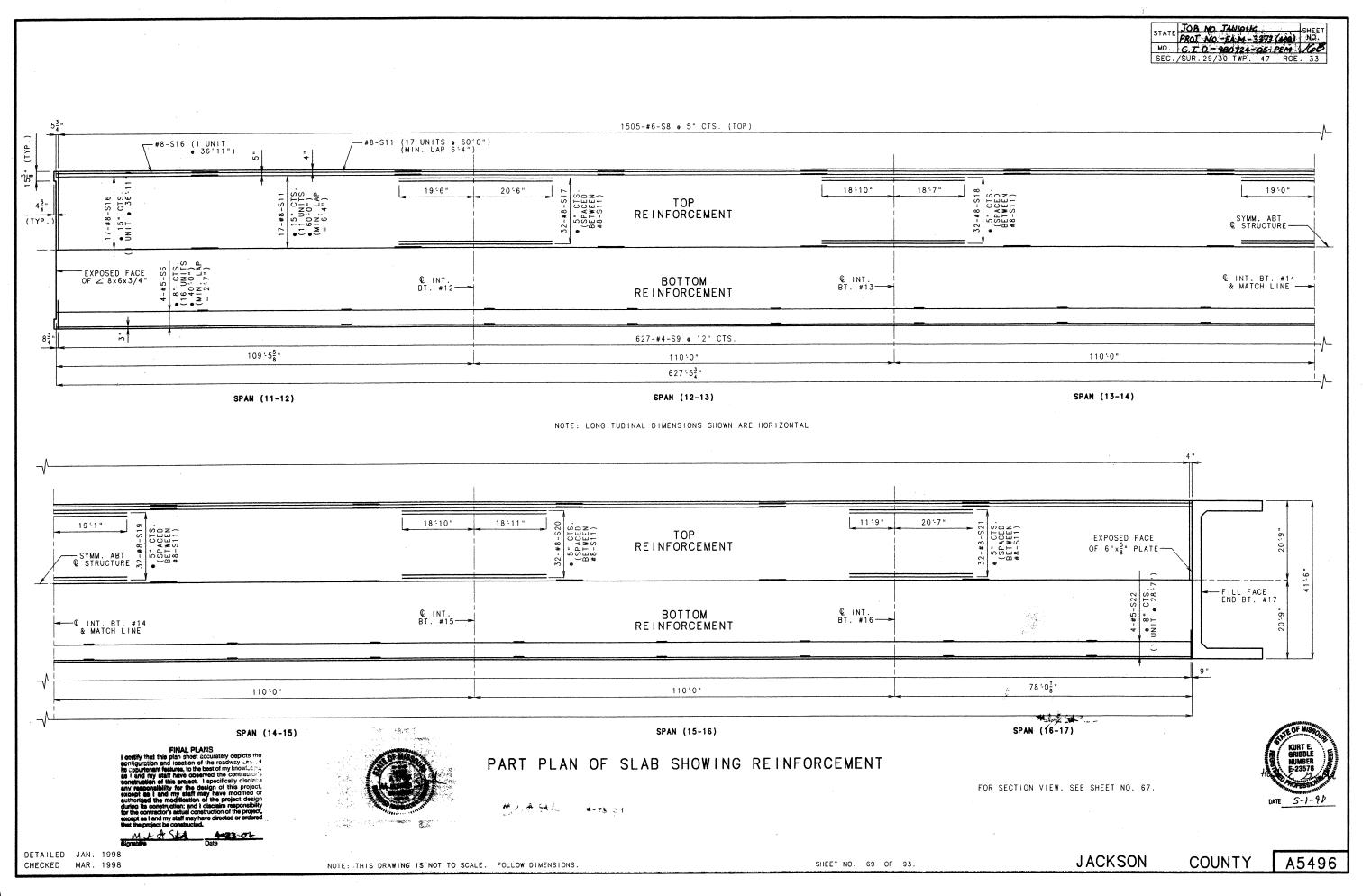


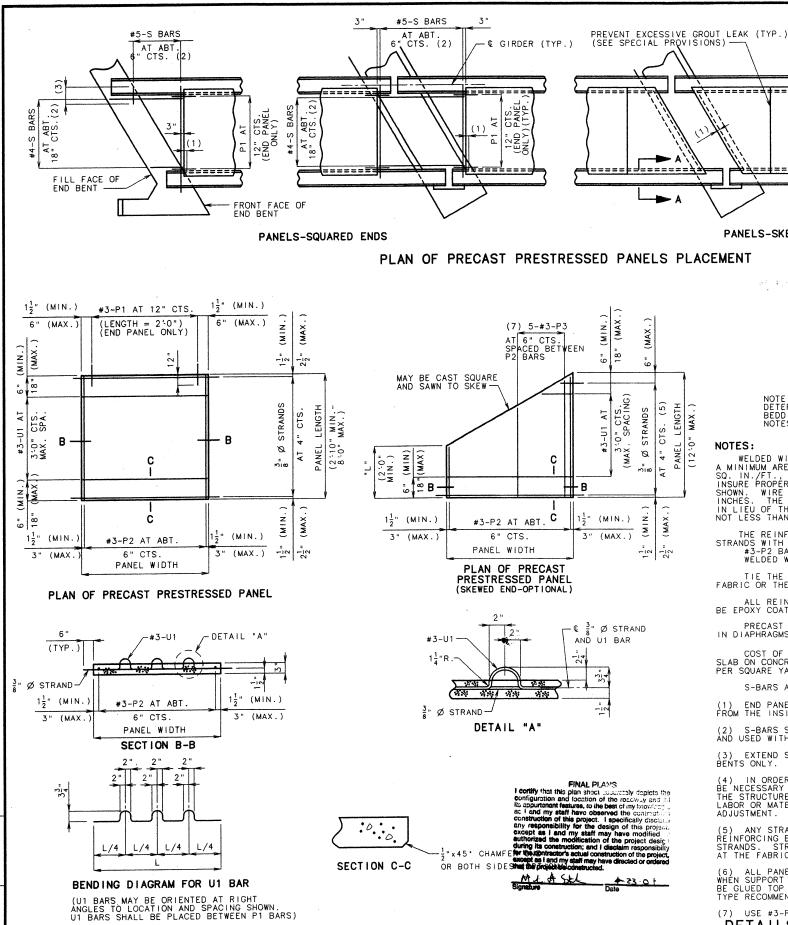




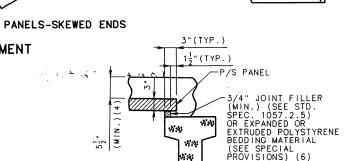








NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS



FRONT FACE OF

END BENT

FILL FACE OF END BENT

SECTION A-A

NOTE: USE SLAB HAUNCHING DIAGRAM ON SHEET NO. 72 FOR DETERMINING THICKNESS OF JOINT FILLER OR POLYSTYRENE BEDDING MATERIAL WITHIN THE LIMITS NOTED IN GENERAL

NOTES:

≠≠=====

WELDED WIRE FABRIC OR WELDED DEFORMED BAR MATS PROVIDING A MINIMUM AREA OF REINFORCING PERPENDICULAR TO STRANDS OF 0.22 SQ. IN./FT., WITH SPACING PARALLEL TO STRANDS SUFFICIENT TO INSURE PROPER HANDLING, MAY BE USED IN LIEU OF THE #3-P2 BARS SHOWN. WIRE OR BAR DIAMETER SHALL NOT BE LARGER THAN 0.375 INCHES. THE ABOVE ALTERNATIVE REINFORCEMENT CRITERIA MAY BE USED IN LIEU OF THE #3-P3 BARS, WHEN REQUIRED, AND PLACED OVER A WIDTH NOT JESS THAN 2 FT

THE REINFORCING STEEL SHALL BE TIED SECURELY TO THE 3/8 Ø STRANDS WITH THE FOLLOWING MAXIMUM SPACING IN EACH DIRECTION: #3-P2 BARS AT 16 INCHES. WELDED WIRE FABRIC OR WELDED DEFORMED BAR MATS AT 24 INCHES

TIE THE #3-U1 BARS TO THE #3-P2 BARS, TO THE WELDED WIRE FABRIC OR THE WELDED DEFORMED BAR MATS AT ABOUT 36 INCH CENTERS.

ALL REINFORCEMENT OTHER THAN PRESTRESSING STRANDS SHALL

PRECAST PANELS MAY BE IN CONTACT WITH STIRRUP REINFORCING

COST OF S-BARS SHALL BE INCLUDED IN PRICE BID FOR SLAB ON CONCRETE I-GIRDER AND SLAB ON BULB-TEE GIRDER PER SQUARE YARD.

S-BARS ARE NOT LISTED IN BILL OF REINFORCING.

- (1) END PANELS SHALL BE DIMENSIONED 1" MIN. TO 1-1/2" MAX. FROM THE INSIDE FACE OF DIAPHRAGM.
- (2) S-BARS SHOWN ARE BOTTOM STEEL IN SLAB BETWEEN PANELS AND USED WITH SQUARED END PANELS ONLY.
- (3) EXTEND S-BARS 18 INCHES BEYOND THE FRONT FACE OF END
- (4) IN ORDER TO MAINTAIN MINIMUM SLAB THICKNESS, IT MAY BE NECESSARY TO RAISE THE GRADE UNIFORMILY THROUGHOUT THE STRUCTURE, NO PAYMENT WILL BE MADE FOR ADDITIONAL LABOR OR MATERIALS REQUIRED FOR NECESSARY GRADE
- (5) ANY STRAND 2'-0" OR SHORTER SHALL HAVE A #4 REINFORCING BAR ON EACH SIDE OF IT CENTERED BETWEEN STRANDS. STRANDS 2'-0" OR SHORTER MAY THEN BE DEBONDED AT THE FABRICATORS OPTION.
- (6) ALL PANEL SUPPORT PADS SHALL BE GLUED TO THE GIRDER. WHEN SUPPORT THICKNESS EXCEEDS 1-1/2", THE PADS SHALL BE GLUED TOP AND BOTTOM. THE GLUE USED SHALL BE THE RECOMMENDED BY THE PANEL SUPPORT PADS MANUFACTURER

(7) USE #3-P3 BARS IF PANEL IS SKEWED 45° OR GREATER DETAILS OF PRECAST PRESTRESSED PANELS

SHEET NO. 70 OF 93

STATE TOB NO. TAUIOLIC SHEET PROT. No. F.A.M. 3373 (400 NO. MO. C.T.D.-980724-95-PEM //69

GENERAL NOTES:

PRESTRESSED PANELS:

CONCRETE FOR PRESTRESSED PANELS SHALL BE CLASS A1 WITH F'C = 5,000 PSI, F'CI = 3,500 PSI.

THE TOP SURFACE OF ALL PANELS SHALL RECEIVE A SCORED FINISH WITH A DEPTH OF SCORING OF 1/8 INCH PERPENDICULAR TO THE PRESTRESSING STRANDS IN THE PANELS (SEE SPECIAL PROVISIONS).

PRESTRESSING TENDONS SHALL BE HIGH-TENSILE STRENGTH UNCOATED SEVEN WIRE (7), LOW-RELAXATION STRANDS FOR PRESTRESSED CONCRETE CONFORMING TO AASHTO M203, EXCEPT THAT NOMINAL DIAMETER OF STRAND = 3/8 INCH AND NOMINAL AREA = 0.085 SQ. IN. AND MINIMUM ULTIMATE STRENGTH = 21.25 KIPS (250 KSI). LARGER STRANDS MAY BE USED WITH THE SAME SPACING AND INITIAL TENSION.

INITIAL PRESTRESSING FORCE = 14.9 KIPS/STRAND

THE METHOD AND SEQUENCE OF RELEASING THE STRANDS SHALL BE SHOWN ON THE SHOP DRAWINGS.

SUITABLE ANCHORAGE DEVICES FOR LIFTING PANELS MAY BE CAST IN PANELS, PROVIDED THEY ARE SHOWN ON THE SHOP DRAWINGS AND APPROVED BY THE ENGINEER. PANEL LENGTHS SHALL BE DETERMINED BY THE CONTRACTOR AND SHOWN ON THE SHOP DRAWINGS.

WHEN SQUARE END PANELS ARE USED AT SKEWED BENTS, IT IS REQUIRED THAT THE SKEWED PORTION BE CAST FULL DEPTH. NO SEPARATE PAYMENT WILL BE MADE FOR THE ADDITIONAL CONCRETE AND REINFORCING REQUIRED.

SUPPORT FROM DIAPHRAGM FORMS IS REQUIRED UNDER THE OPTIONAL SKEWED END UNTIL CAST-IN-PLACE CONCRETE HAS REACHED 3,000 PSI COMPRESSIVE STRENGTH.

MINIMUM JOINT FILLER OR POLYSTYRENE BEDDING MATERIAL THICKNESS SHALL BE 3/4 INCH. THICKER JOINT FILLER OR POLYSTYRENE BEDDING MATERIAL MAY BE USED ON ONE OR BOTH SIDES OF THE GIRDER TO REDUCE CAST-IN-PLACE CONCRETE THICKNESS, WITHIN TOLERANCES. NO MORE THAN 2 INCHES TOTAL THICKNESS OF JOINT FILLER OR POLYSTYPENE BEDDING MATERIA! SHALL BE USED. POLYSTYRENE BEDDING MATERIAL SHALL BE USED.

THE SAME THICKNESS OF JOINT FILLER MATERIAL SHALL BE USED UNDER ANY ONE EDGE OF ANY PANEL EXCEPT AT LOCATIONS WHERE TOP FLANGE THICKNESS MAY BE STEPPED. THE MAXIMUM CHANGE IN THICKNESS BETWEEN ADJACENT PANELS SHALL BE 1/4 INCH. THE POLYSTYRENE BEDDING MATERIALS MAY BE CUT TO MATCH HAUNCH HEIGHT ABOVE TOP OF FLANGE.

SLAB THICKNESS OVER PRESTRESSED PANELS VARIES DUE TO GIRDER CAMBER.

AT THE CONTRACTORS OPTION, THE VARIATION IN SLAB THICKNESS OVER PRESTRESSED PANELS MAY BE ELIMINATED OR REDUCED BY INCREASING AND VARYING THE GIRDER TOP FLANGE THICKNESS. DIMENSIONS SHALL BE SHOWN ON THE SHOP DRAWINGS.

REINFORCING STEEL:

ALL DIMENSIONS ARE OUT TO OUT.

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 1-1/2 INCH, UNLESS OTHERWISE SHOWN.

HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, STIRRUP AND TIE DIMENSIONS.

ACTUAL LENGTHS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.

THE PRESTRESSED PANEL QUANTITIES ARE NOT INCLUDED IN THE TABLE OF ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-GIRDER OR SLAB ON BULB-TEE GIRDER.

IF U1 BARS INTERFERE WITH PLACEMENT OF SLAB STEEL, U1 LOOPS MAY BE BENT OVER, AS NECESSARY, TO CLEAR SLAB STEEL.





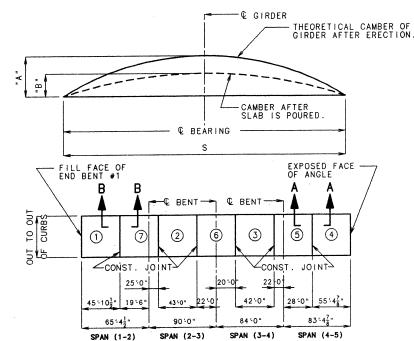
JACKSON COUNTY A5496

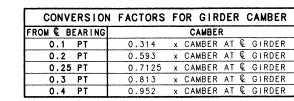
DETAILED CHECKED

JAN. 1998 MAR. 1998

STATE JOB NO. TAUIONG SHEET PROJ. NO. -FAM. -3375(400) NO. MO. C. T. D. -980724 - O.S - REM. //D

GIRDERS	SPAN	(1-2)	SPAN	(2-3)	SP. (3-4)	ANS & (4-5)	SPAN	(5-6)	SP (6-7), (8-9) &	ANS (7-8), (9-10)	SP/ (10-11),	ANS (11-12)	(12-13),	ANS (13-14), & (15-16)	SPAN (16-17)
	" A "	"B"	" A "	"B"	" A "	"B"	" A "	"B"	"A"	"B"	" A "	"B"	"A"	"B"	" A "	"B"
Exterior	7 "	5 8	2 1/4 "	1 3 "	2 1/8 "	1 3 "	2 9 "	1 5 "	2 5 "	13/8"	2 9 16"	1 5 "	2 5 "	1 3 "	3 " 4	1/2 "
Interior	7 "	1/2 "	21/4"	7 n	2 ½ "	1 1/8 "	2 9 "	1 7/16 "	2 5 "	1 1/8 "	2 9 "	**	2 5 16 "	1 1/8 "	<u>3</u> ,,	716"
Center	7 8	9 16	2 ¹ / ₄ "	1"	2 1 "	1 3 "	2 9 "	1 1/2 "	2 ⁵ / ₁₆ "	1 1 4 "	2 9 "	1 1/2 "	2 5 "	1 3/16 "	3 " 4	716"

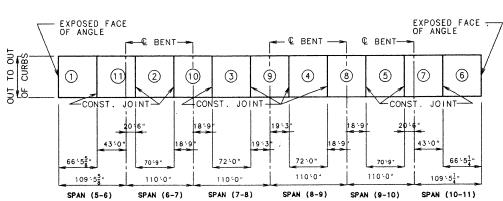


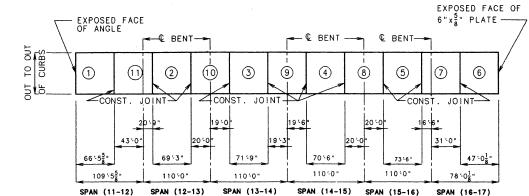


GIRDER CAMBER DIAGRAM

ed or seighte: IF GIRDER CAMBER IS DIFFERENT FROM THAT SHOWN IN THE CAMBER seighte: IF GIRDER CAMBER IS DIFFERENT FROM THAT SHOWN IN THE CAMBER SHOWL IN THE SLAB HAUNCHES, INCREASE OF THE GRADE UNIFORMLY THROUGHOUT THE STRUCTURE. NO PAYMENT WILL BE MADE FOR ADDITIONAL LABOR OR MATERIALS REQUIRED FOR VARIATION IN HAUNCHING, SLAB THICKNESS OF GRADE ADJUSTMENT. -ONCRETE IN THE SLAB HAUNCHES IS INCLUDED IN THE ESTIMATED QUANTITIES FOR SLAB ON CONCRETE I-GIRDERS OR SLAB ON BULB-TEE GIRDERS.

** $1\frac{7}{16}$ " SPAN (10-11) $1\frac{3}{8}$ " SPAN (11-12)





	SEQUENCE	OF POURS	MIN. RATE OF POUR CU. YDS./HR.
	· DIRE	CTION	WITH RETARDER
BASIC SEQUENCE	1 2 3 EITHER D	4 5 6 7 IRECTION	25
APPROVAL OF T	RS TO THE BASIC S HE ENGINEER IN AC TANDARD SPECIFICA	KIP SEQUENCE ARE CORDANCE WITH SEC TIONS.	SUBJECT TO THE TION 703.3.12.4
ALTERNATE "A"	1 7 + 2 END TO 7 1 TO 6	6 + 3 5 + 4 2 TO 5 3 TO ENI	25
ALTERNATE "B" -POURS	1 + 7 + 2 6 + END TO 6 2 TO	3 5 + 4 0 5 3 TO END	25
ALTERNATE "G"	1 + 7 + 2 END TO 6	6 + 3 + 5 + 4 2 TO END	25
ALTERNATE "D"	1 + 7 + 2 + 6	+ 3 + 5 + 4 END	25

		SEQ	JENCE OF F	OURS		MIN. RATE OF POUR CU. YDS./HR.
			DIRECTION	1		WITH RETARDER
BASIC SEQUENCE	1 2	3 4	5 6 7	7 8 RECTION	9 10	25
APPRO	VAL OF THE	S TO THE BA E ENGINEER ANDARD SPEC	IN ACCORD	ANCE WI	E ARE SUBJE TH SECTION	CT TO THE 703.3.12.4
ALTERNATE "A" -POURS	1 1 END TO 11	11 + 2 10 1 TO 10 2		+ 4 8 0 8 4		6 27 END
ALTERNATE "B" -POURS-	1 + 11 + END	+ 2 + 10 TO 3	3 + 9 10 TO		8 + 5 + 7 + 4 TO END	27
ALTERNATE "C" POURS	1 + 11	+ 2 + 10 - END TO 4	+ 3 + 9	4 + 8 9 TO		27
ALTERNATE "D" —POURS	1 + 11	1 + 2 + 10	+ 3 + 9 + END TO EN		+ 5 + 7 + 6	27

		Ś	SEQUENCE	OF POURS	3		MIN. RATE OF POUR CU. YDS./HR.
			DIR	CTION			WITH RETARDER
BASIC SEQUENCE	1 2	3 4	5 EITH	6 7 7 HER DIRECT		10 11	25
APPRO'	VAL OF TI		ER IN A	SKIP SEQU CCORDANCE ATIONS.			
ALTERNATE "A"	1 END TO 11	11 + 2 1 TO 10	10 + 3 2 TO 9	9 + 4 3 TO 8	8 + 5 4 TO 7	7 + 6 5 TO END	27
ALTERNATE "B"	1 + 11 ENI	+ 2 + 10 D TO 3	3	+ 9 + 4 10 TO 8	8 + 5 4 TO	+ 7 + 6 D END	27
ALTERNATE "C" POURS	1 + 1		0 + 3 + 4	9 4	+ 8 + 5 TO END	+ 7 + 6	27
ALTERNATE "B"	1 +	11 + 2 +	10 + 3 END	+ 9 + 4 + TO END	8 + 5 +	7 + 6	27



11 1 SEL

SLAB POURING SEQUENCE SPANS (1-2), (2-3), (3-4) & (4-5)

DETAIL OF CONST. JT. FOR SLAB ON P/S PANEL

SECTION A-A

FINISH EACH SIDE OF JOINT WITH 1/4" RADIUS EDGING TOOL

JOINT PANEL

SLAB POURING SEQUENCE (*) ADJUST THE PERMISSIBLE CONSTRUCTION JOINT TO A CLEARANCE OF 6 INCHES MINIMUM FROM THE JOINTS

SLAB POURING SEQUENCE
SPANS (5-6), (6-7), (7-8), (8-9), (9-10) & (10-11)
FINISH FACH SI

FINISH EACH SIDE OF JOINT WITH 1/4" RADIUS EDGING TOOL KEY TO EXTEND FULL WIDTH OF SLAB CANTILEVER. FOR CAST-IN-PLACE SLAB

SLAB POURING SEQUENCE SPANS (11-12), (12-13), (13-14), (14-15), (15-16) & (16-17)

NOTE: THE CONTRACTOR SHALL FURNISH AN APPROVED RETARDER TO RETARD THE SET OF THE CONCRETE TO 2.5 HOURS AND SHALL POUR AND SATISFACTORILY FINISH THE SLAB POURS AT THE RATE GIVEN.

THE CONCRETE DIAPHRAGM AT THE INTERMEDIATE BENTS AND INTEGRAL END BENT SHALL BE POURED A MINIMUM OF 30 MINUTES AND A MAXIMUM OF 2 HOURS BEFORE THE SLAB IS POURED.

END DIAPHRAGMS AT EXPANSION DEVICES MAY BE POURED WITH A CONSTRUCTION JOINT BETWEEN THE DIAPHRAGM AND SLAB, OR MONOLITHIC WITH THE SLAB.



SECTION B-B

SLAB POURING SEQUENCE ... SHEET NO. 71 OF 93.

JACKSON

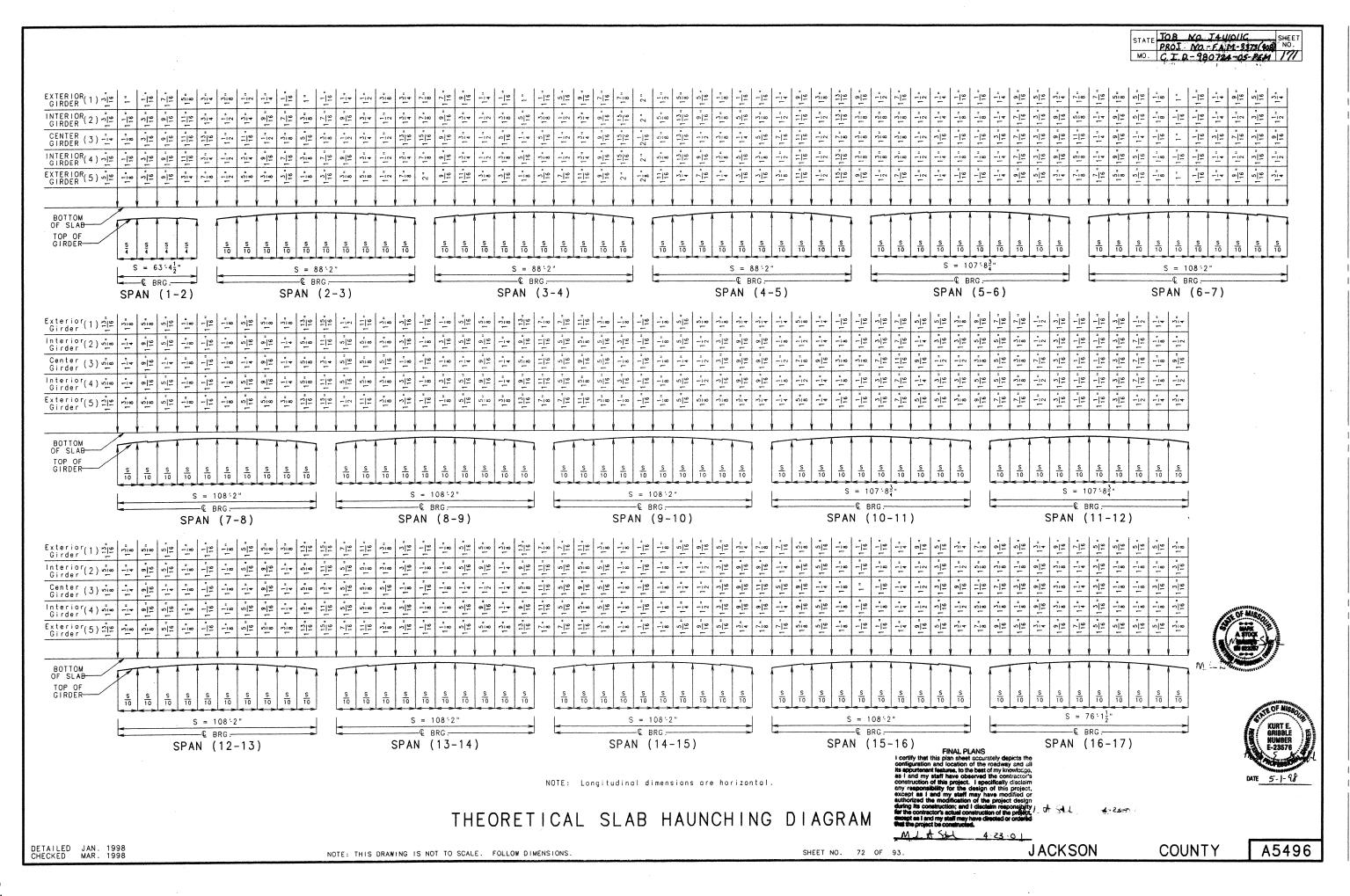
COUNTY

A5496

DETAILED JAN. 1998 CHECKED MAR. 1998

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS

CONSTRUCTION JOINT TO EXTEND FULL WIDTH OF SLAB



STATE JOB NO. T4UIOTIC. SHEET NO. PRO.J. NO.-FA.M.3973 (408)
MO. C. T.D.-980724-05-PEM //E

	SPAN (1-2) (6	3 4 4 ½ ° €	BRG	€ BRG.)				SP	AN (2-3) (88 - 2	" & BRG	. – C. BR	(G.)						SP	AN (3-4) (88 - 2	• C BRG.	- C BR	(G.)		
	& BRG.	. 25	.50	.75	& BRG.	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	& BRG.	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG
GIRDER NO. 1	898.60	898.69	898.78	898.85	898.91	898.92	898.99	899.06	899.12	899.17	899.22	899.26	899.29	899.31	899.33	899.35	899.36	899.46	899.47	899.48	899.51	899.54	899.59	899.64	899.71	899.78	899.7
GIRDER NO. 2	898.74	898.84	898.92	898.99	899.05	899.06	899.13	899.21	899.28	899.34	899.38	899.42	899.45	899.47	899.48	899.49	899.50	899.60	899.62	899.64	899.67	899.70	899.75	899.80	899.86	899.93	899.9
GIRDER NO. 3	898.88	898.97	899.06	899.13	899.19	899.19	899.27	899.34	899.41	899.47	899.51	899.55	899.58	899.60	899.61	899.62	899.64	899.74	899.75	899.77	899.80	899.83	899.88	899.93	899.99	900.06	900.0
GIRDER NO. 4	898.80	898.90	898.99	899.06	899.11	899.12	899.20	899.27	899.34	899.40	899.45	899.48	899.51	899.53	899.54	899.55	899.56	899.64	899.68	899.70	899.73	899.76	899.81	899.86	899.92	899.99	899.9
GIRDER NO. 5	898.66	898.76	898.84	898.91	898.97	898.98	899.05	899.12	899.18	899.24	899.28	899.32	899.35	899.38	899.40	899.41	899.42	899.49	899.53	899.55	899.57	899.61	899.65	899.71	899.77	899.82	899.8

				SPA	N (4-5)	$(82^{\frac{1}{2}}0^{\frac{1}{2}})$	' € BRG.	- C BR	G.)						SPA	N (5-6)	(107 - 8	" & BRG	C E	RG.)						SPAN	(6-7)	(108-2*	€ BRG.	- C BRO	3.)		
	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	& BRG.	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	& BRG.	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BF
SIRDER NO. 1	899.77	899.87	899.88	899.89	899.92	899.95	900.00	900.05	900.12	900.19	900.17	900.18	900.26	900.33	900.40	900.46	900.52	900.57	900.61	900.65	900.68	900.71	900.72	900.79	900.87	900.94	901.00	901.06	901.11	901.15	901.19	901.27	2 901.
SIRDER NO. 2	899.91	900.01	900.03	900.05	900.07	900.11	900.15	900.21	900.27	900.33	900.31	900.32	900.40	900.48	900.56	900.62	900.68	900.73	900.77	900.80	900.82	900.85	900.86	900.94	901.02	901.09	901.16	901.22	901.26	901.30	901.34	901.36	6 901.
SIRDER NO. 3	900.04	900.15	900.16	900.18	900.21	900.24	900.29	900.34	900.40	900.47	900.45	900.46	900.54	900.62	900.69	900.75	900.81	900.86	900.90	900.93	900.96	900.99	900.99	901.08	901.15	901.23	901.29	901.35	901.40	901.44	901.47	901.50	0 901.
SIRDER NO. 4	899.97	900.05	900.09	900.11	900.14	900.17	900.22	900.27	900.33	900.37	900.37	900.38	900.47	900.54	900.62	900.68	900.74	900.79	900.83	900.86	900.89	900.91	900.92	901.00	901.08	901.15	901.22	901.28	901.33	901.37	901.40	901.42	2 901.
SIRDER NO. 5	899.83	899.90	899.94	899.96	899.98	900.01	900.06	900.12	900.18	900.22	900.23	900.24	900.32	900.39	900.46	900.53	900.58	900.63	900.67	900.71	900.74	900.77	900.78	900.86	900.93	901.00	901.06	901.12	901.17	901.21	901.25	901.28	8 901.

								**	THEO	RETIC	AL BO	NOTTO	OF S	LAB E	LEVA	TIONS	AT C	OF G	IRDER	(PRI	OR TO	FORM	AING (OF SL	AB)								
				SPAN	(7-8)	(108 - 2 "	€ BRG.	- @ BR	G.)						SPA	N (8-9)	(108-2"	€ BRG.	- C BRG	;.)						SPAN	(9-10)	(108 -2	· C BRG.	- € BR	.G.)		
	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	& BRG	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG
GIRDER NO. 1	901.26	901.33	901.41	901.48	901.54	901.60	901.64	901.69	901.72	901.76	901.78	901.79	901.8	7 901.94	902.0	902.08	902.13	902.18	902.23	902.26	902.29	902.32	902.33	902.41	902.48	902.55	902.61	902.67	902.72	902.76	902.80	902.83	902.8
GIRDER NO. 2			1	1	1	1		1																									
GIRDER NO. 3	901.53	901.61	901.69	901.76	901.83	901.89	901.93	901.98	902.01	902.04	902.06	902.07	902.1	902.23	902.3	902.37	902.42	902.47	902.51	902.55	902.57	902.60	902.61	902.69	902.77	902.84	902.90	902.96	903.01	903.05	903.08	903.11	903.1
GIRDER NO. 4	901.46	901.54	901.62	901.69	901.76	901.82	901.86	901.90	901.94	901.96	901.99	901.99	902.0	902.16	902.2	3 902.30	902.35	902.40	902.44	902.47	902.50	902.52	902.53	902.62	902.69	902.77	902.83	902.89	902.94	902.98	903.01	903.04	903.0
GIRDER NO. 5	901.32	901.39	901.47	901.54	901.60	901.66	901.71	901.75	901.79	901.82	901.85	901.86	901.9	3 902.01	902.0	902.14	902.20	902.25	902.29	902.32	902.36	902.39	902.39	902.47	902.54	902.61	902.68	902.73	902.78	902.83	962.86	902.89	902.9
																													,				

	** AT	THEOF © OF	RETIC/ GIRDI	AL BO ER (P	TTOM	OF SL TO FC	AB EL DRMING	EVAT G OF S	IONS SLAB)		
			SPAN	(10-11)	(107-8	3 4 C BR	G C	BRG.)			
	C BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.
GIRDER NO. 1	902.87	902.95	903.02	903.09	903.15	903.21	903.26	903.30	903.34	903.37	903.40
GIRDER NO. 2	903.01	903.09	903.17	903.24	903.31	903.37	903.41	903.45	903.49	903.51	903.53
GIRDER NO. 3	903.15	903.25	903.33	903.40	903.47	903.53	903.57	903.61	903.65	903.68	903.70
GIRDER NO. 4	903.07	903.15	903.23	903.31	903.37	903.43	903.48	903.52	903.55	903.57	903.60
GIRDER NO. 5	902.93	903.01	903.08	903.15	903.21	903.27	903.32	903.36	903.40	903.43	903.46
	·										

** Elevations are based on a constant slab thickness of $8\frac{1}{2}$ " and include allowance for theoretical dead load deflections due to weight of Slab (including Precast Panel) and Barrier Curb.

NOTE: FOR TYPICAL SLAB ELEVATION DIAGRAM, SEE SHEET NO. 74.

I certify that this plan enect accurately depine the configuration and location of the roadway are all its appurtment features, to the best of my knowl.cap, as I and my staff have observed the contraction construction of this project. I specifically disclaim any responsibility for the design of this project, except as I and my staff may have modified or authorized the modification of the project design during its construction; and I disclaim responsibility for the contractor's actual construction of the project, except as I and my staff may have directed or ordered.

A. 1 A St. 4-23-01



DETAILED JAN. 1998 CHECKED MAR. 1998

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

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				SPAN	(11-12)	(107-8	" & BRG	C BF	RG.)						SPAN	(12-13)	(108-2	€ BRG.	- & B	RG.)						SPAN	(13-14)	(108-2	'€ BRG.	- C BR	G.)		
	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	& BRG.	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.	& BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BF
IRDER NO. 1	903.41	903.49	903.56	903.63	903.69	903.75	903.80	903.84	903.88	903.91	903.94	903.95	904.0	904.10	904.1	904.23	904.29	904.33	904.3	8 904.41	904.45	904.47	904.48	904.56	904.63	904.70	904.77	904.82	904.87	904.91	904.95	904.98	905.
GIRDER NO. 2	903.55	903.63	903.71	903.78	903.85	903.91	903.95	903.99	904.03	904.05	904.07	904.08	904.	7 904.25	904.3	904.39	904.44	904.49	904.5	3 904.56	904.59	904.61	904.62	904.70	904.78	904.86	904.92	904.98	905.03	905.07	905.10	905.13	905.
GIRDER NO. 3	903.69	903.77	903.85	903.92	903.98	904.04	904.09	904.13	904.16	904.19	904.21	904.22	904.	30 904.38	904.4	904.52	904.58	904.62	904.6	7 904.70	904.73	904.75	904.76	904.84	904.92	904.99	905.06	905.11	905.16	905.20	905.24	905.26	905.
SIRDER NO. 4	903.61	903.69	903.77	903.85	903.91	903.97	904.02	904.06	904.09	904.11	904.14	904.15	904.2	23 904.31	904.38	904.45	904.51	904.55	904.5	9 904.63	904.65	904.67	904.68	904.77	904.85	904.92	904.99	905.04	905.09	905.13	905.16	905.19	905.
GIRDER NO. 5	903.47	903.55	903.62	903.69	903.75	903.81	903.86	903.90	903.94	903.97	904.00	904.01	904.0	08 904.16	904.2	904.29	904.35	904.40	904.4	4 904.48	904.51	904.54	904.55	904.62	904.70	904.77	904.83	904.89	904.93	904.98	905.01	905.05	905.

				SPAN	(14-15)	(108 - 2 "	€ BRG.	- C BR	3.)						SPAN	(15-16)	(108-2	€ BRG.	- € BR	G.)			·			SPAN	(16-17)	(76 - 1 ¹ / ₂ "	€ BRG.	- & BRG	;.)		
	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	& BRG.	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BRG.	€ BRG.	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	€ BR
SIRDER NO. 1	905.02	905.10	905.17	905.24	905.30	905.36	905.41	905.45	905.49	905.52	905.55	905.56	905.6	4 905.71	905.78	905.84	905.90	905.95	905.99	906.03	906.06	906.09	906.10	906.14	906.18	906.22	906.26	906.30	906.34	906.37	906.41	906.44	906.4
GIRDER NO. 2	905.16	905.24	905.32	905.40	905.46	905.52	905.57	905.61	905.64	905.67	905.69	905.70	905.7	8 905.86	905.93	906.00	906.06	906.11	906.15	906.18	906.20	906.23	906.23	906.28	906.32	906.37	906.41	906.45	906.48	906.52	906.55	906.58	906.€
IRDER NO. 3	905.30	905.38	905.46	905.53	905.59	905.65	905.70	905.74	905.77	905.80	905.83	905.84	905.9	2 905.99	906.07	906.13	906.19	906.24	906.28	906.31	906.34	906.36	906.37	906.42	906.46	906.50	906.54	906.58	906.62	906.65	906.68	906.72	906.7
SIRDER NO. 4	905.22	905.30	905.38	905.46	905.52	905.58	905.63	905.67	905.70	905.73	905.75	905.76	905.8	4 905.92	906.00	906.06	906.12	906.17	906.21	906.24	906.27	906.29	906.30	906.34	906.39	906.43	906.47	906.51	906.55	906.58	906.61	906.64	906.€
GIRDER NO. 5	905.08	905.16	905.23	905.30	905.37	905.42	905.47	905.52	905.55	905.58	905.61	905.62	905.7	0 905.77	905.84	905.90	905.96	906.01	906.05	906.09	906.12	906.15	906.16	906.20	906.25	906.29	906.33	906.37	906.40	906.44	906.47	906.50	906.5

** Elevations are based on a constant slab thickness of $8\frac{1}{2}$ " and include allowance for theoretical dead load deflections due to weight of Slab (including Precast Panel) and Barrier Curb.



Theoretical Bottom of Slab
Elevations at © of girder
(Prior to forming for slab)

© Brg.

Finished Bottom of Slab and Barrier Curb

TYPICAL SLAB ELEVATIONS DIAGRAM

FINAL PLANS
I contify that this plan sheet accurately depicts to configuration and location of the readway and its appurtonant features, to the best of my knowled; as I and my staff have observed the contractor construction of this project. I specifically disclarny responsibility for the design of this project cost as I and my staff may have modified authorized the modification of the project desiduring its construction; and I disclaim responsible for the contractor's actual construction of the project for the contractor's actual construction of the project may that they have directed or order that the project be constructed.

M L & SA L 4-23-01



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DETAILED JAN. 1998 CHECKED MAR. 1998

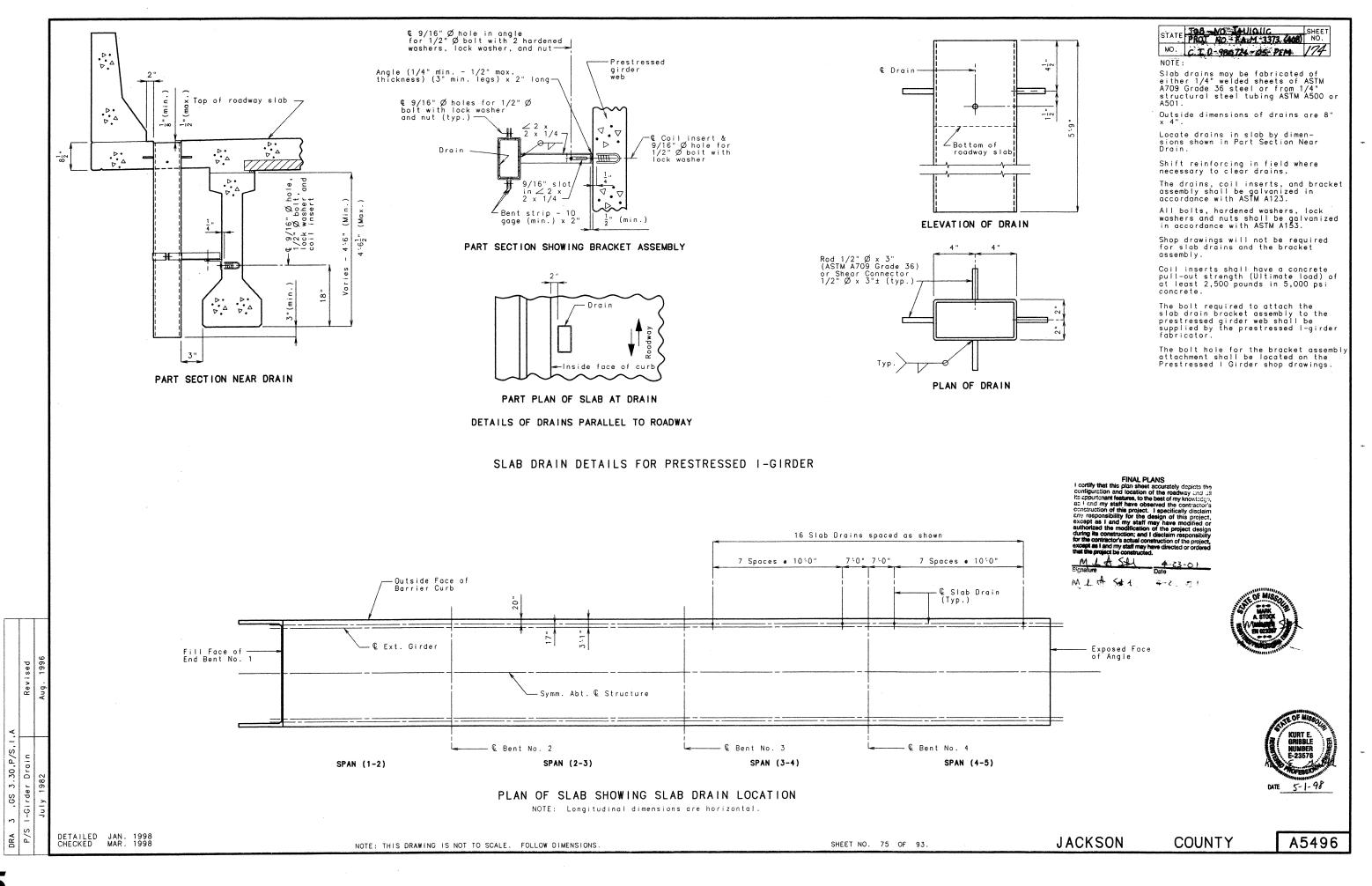
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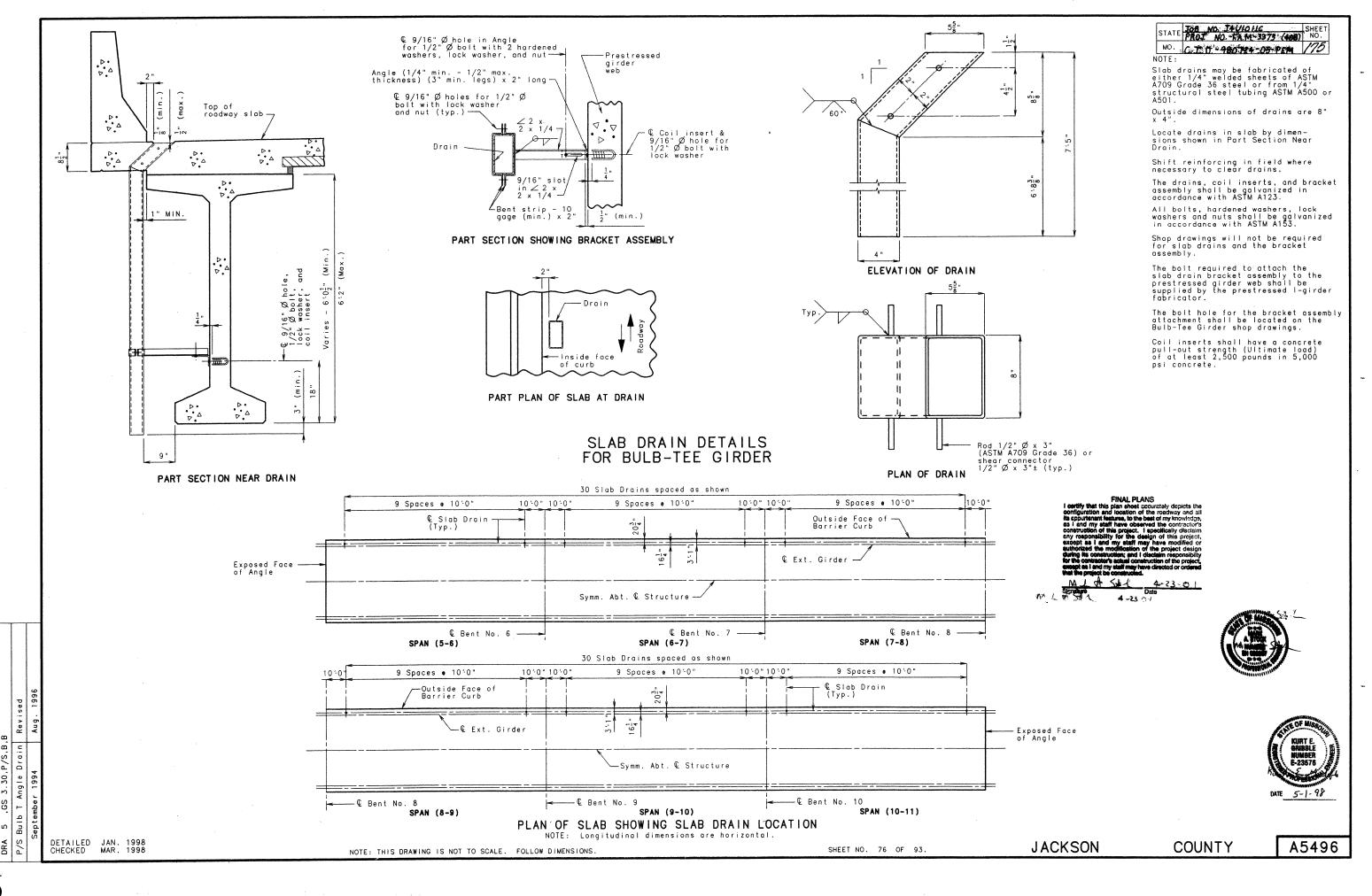
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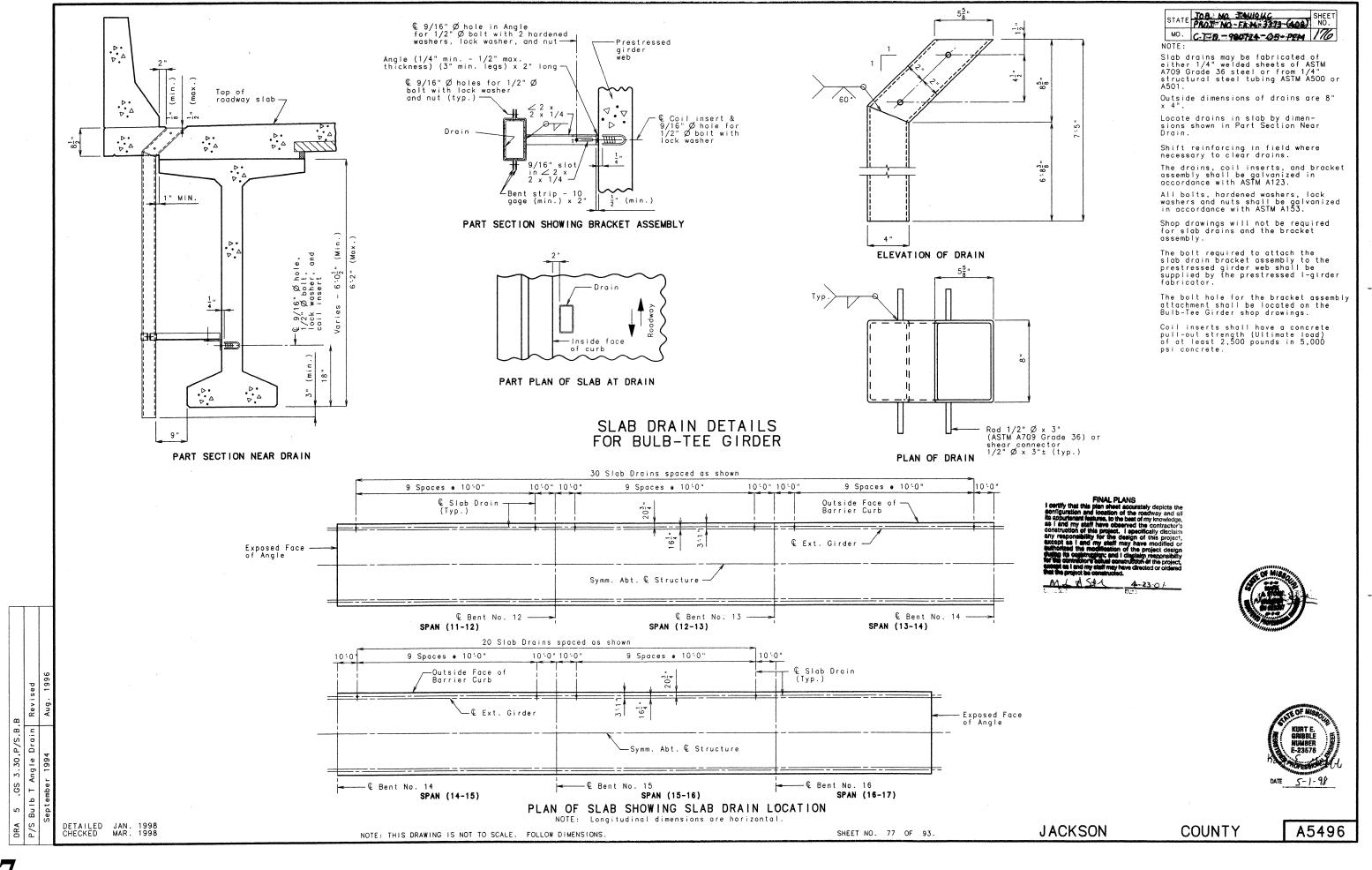
JACKSON

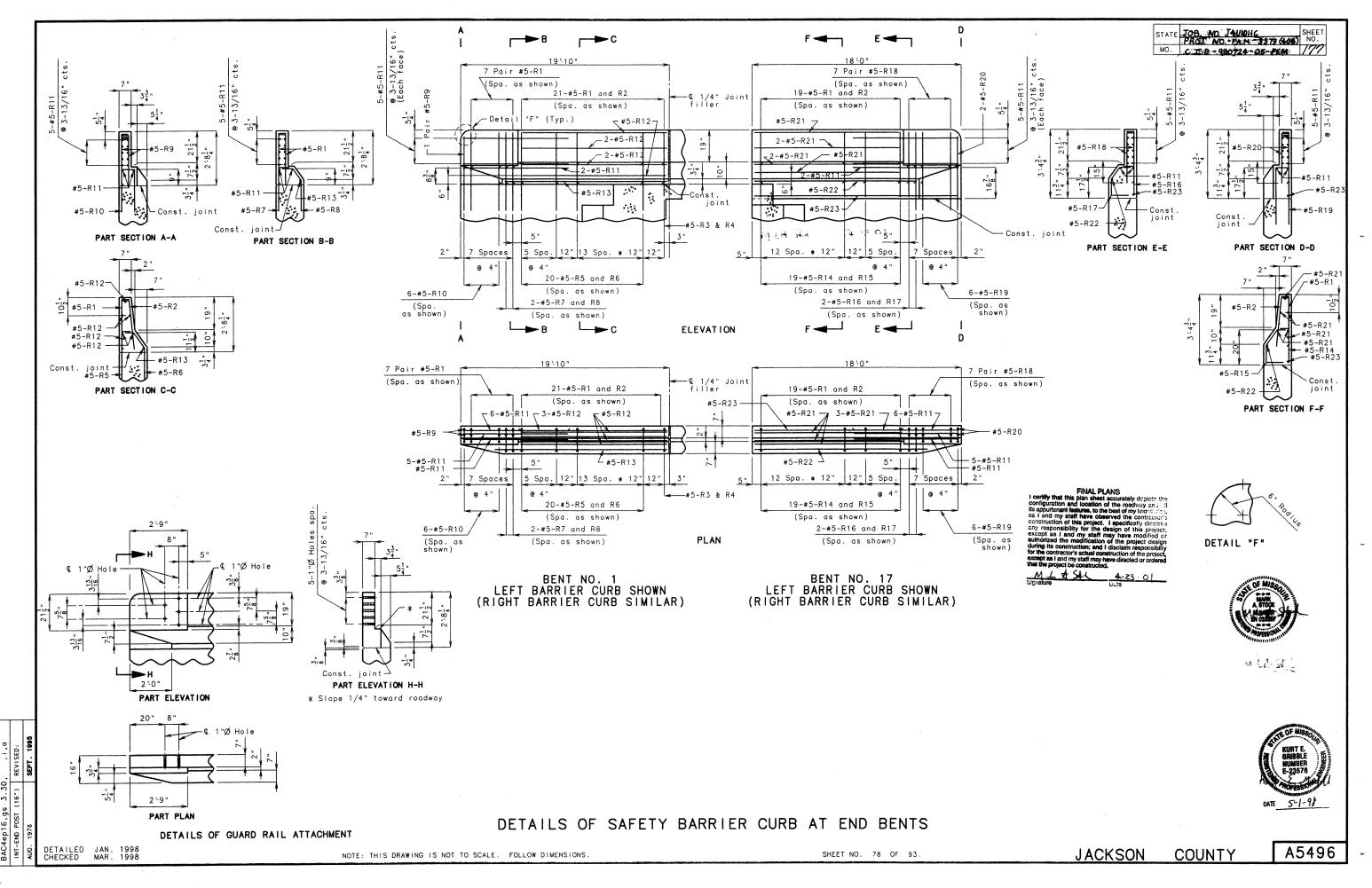
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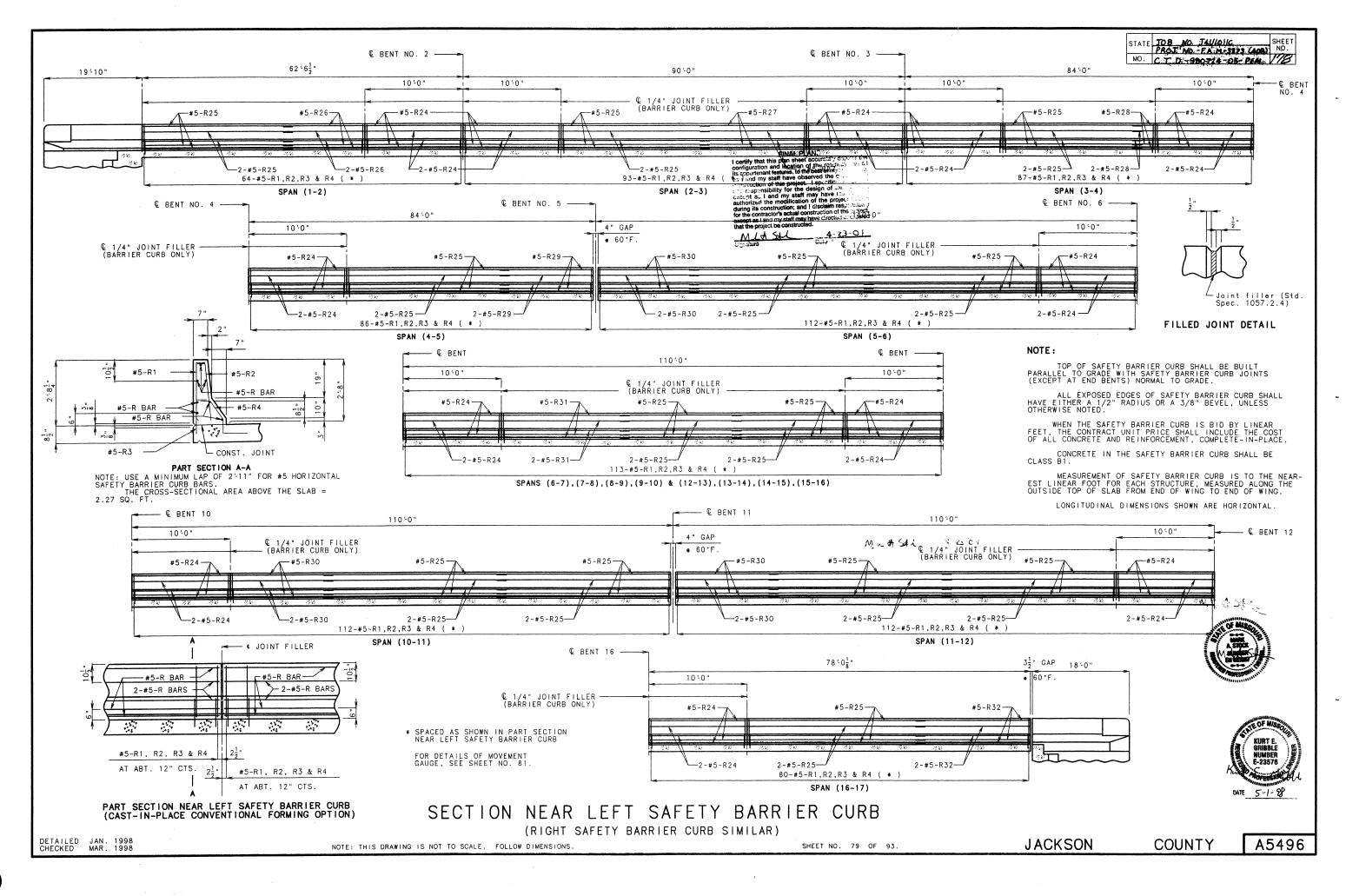
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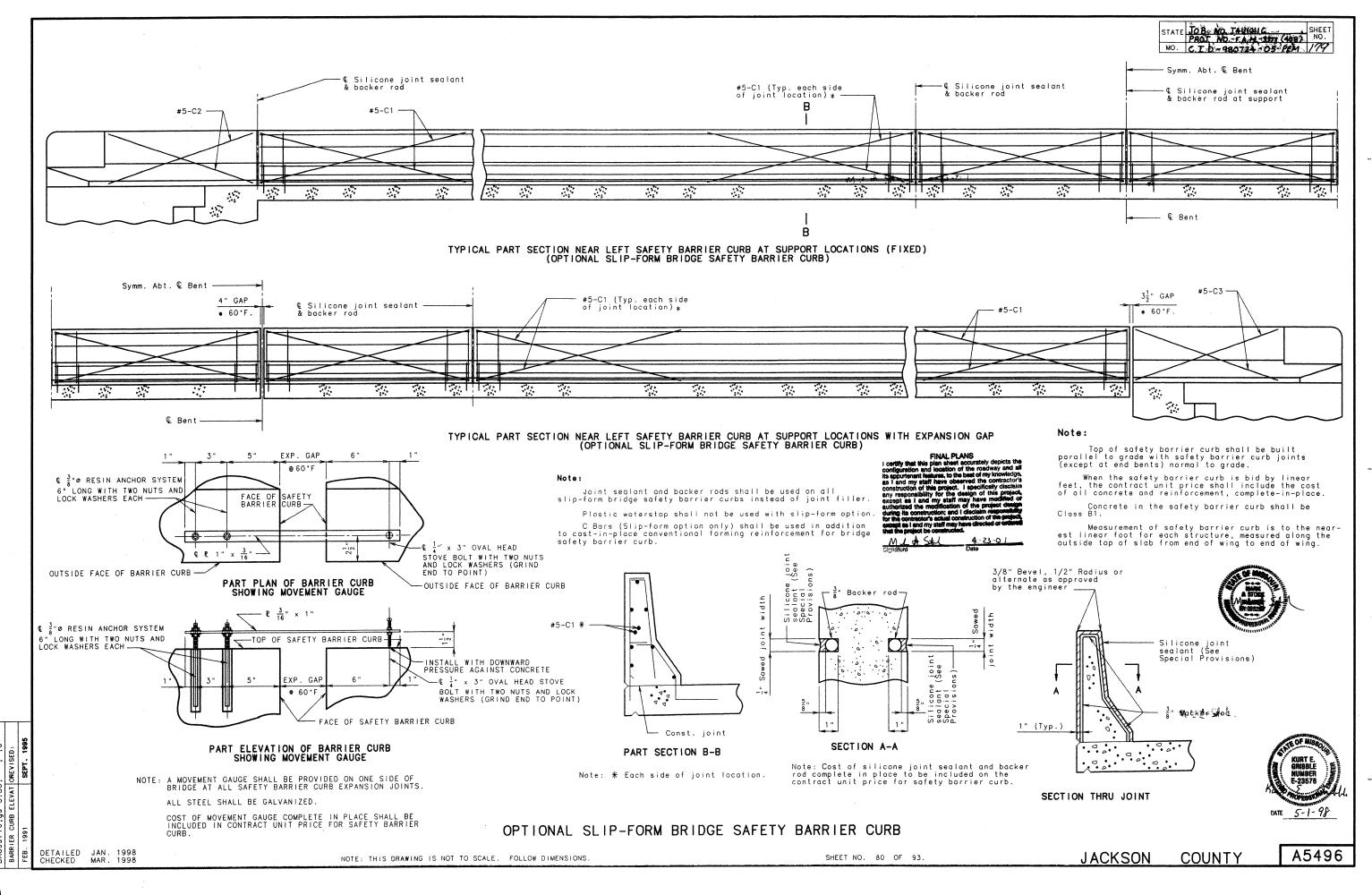


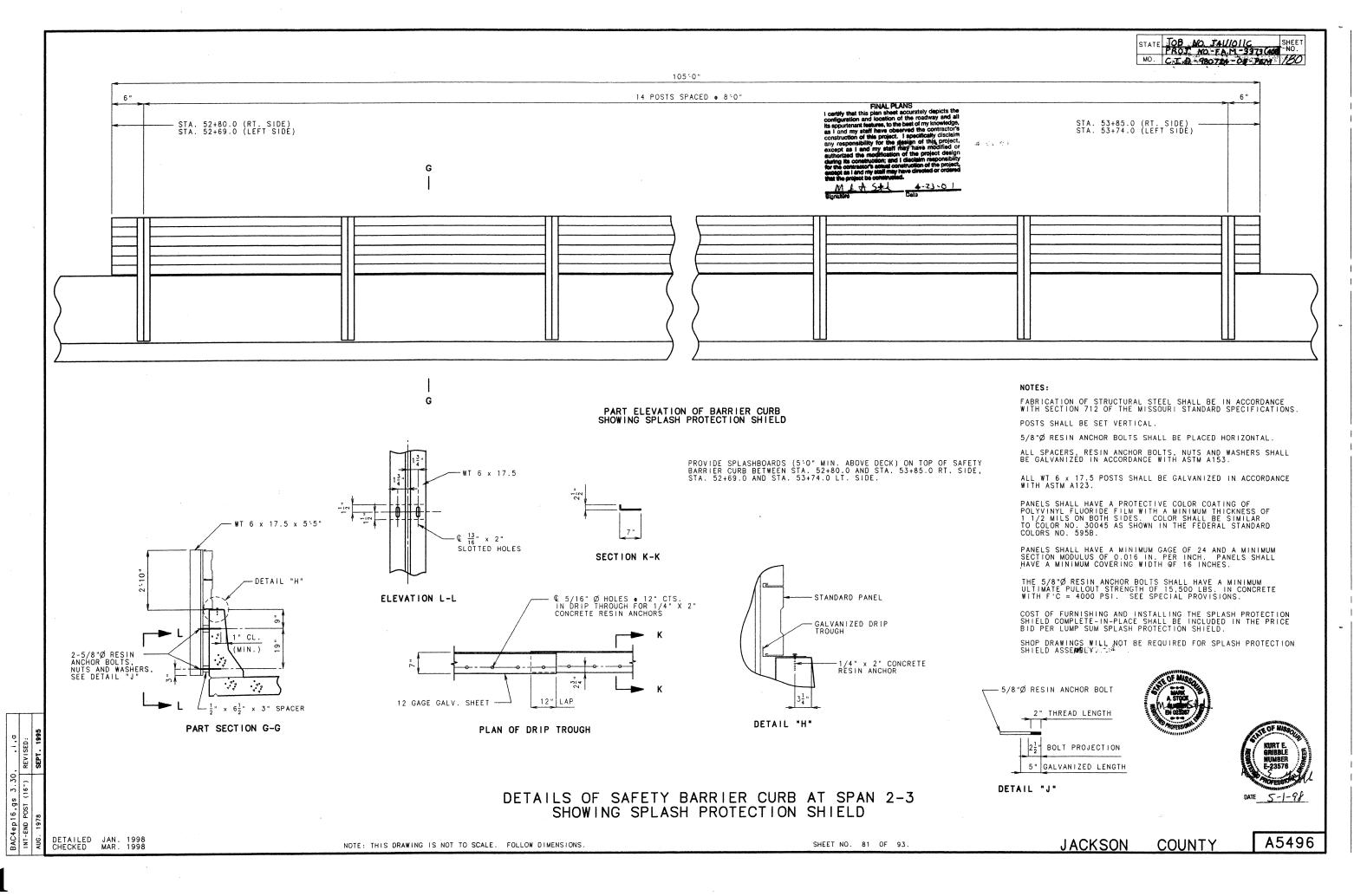


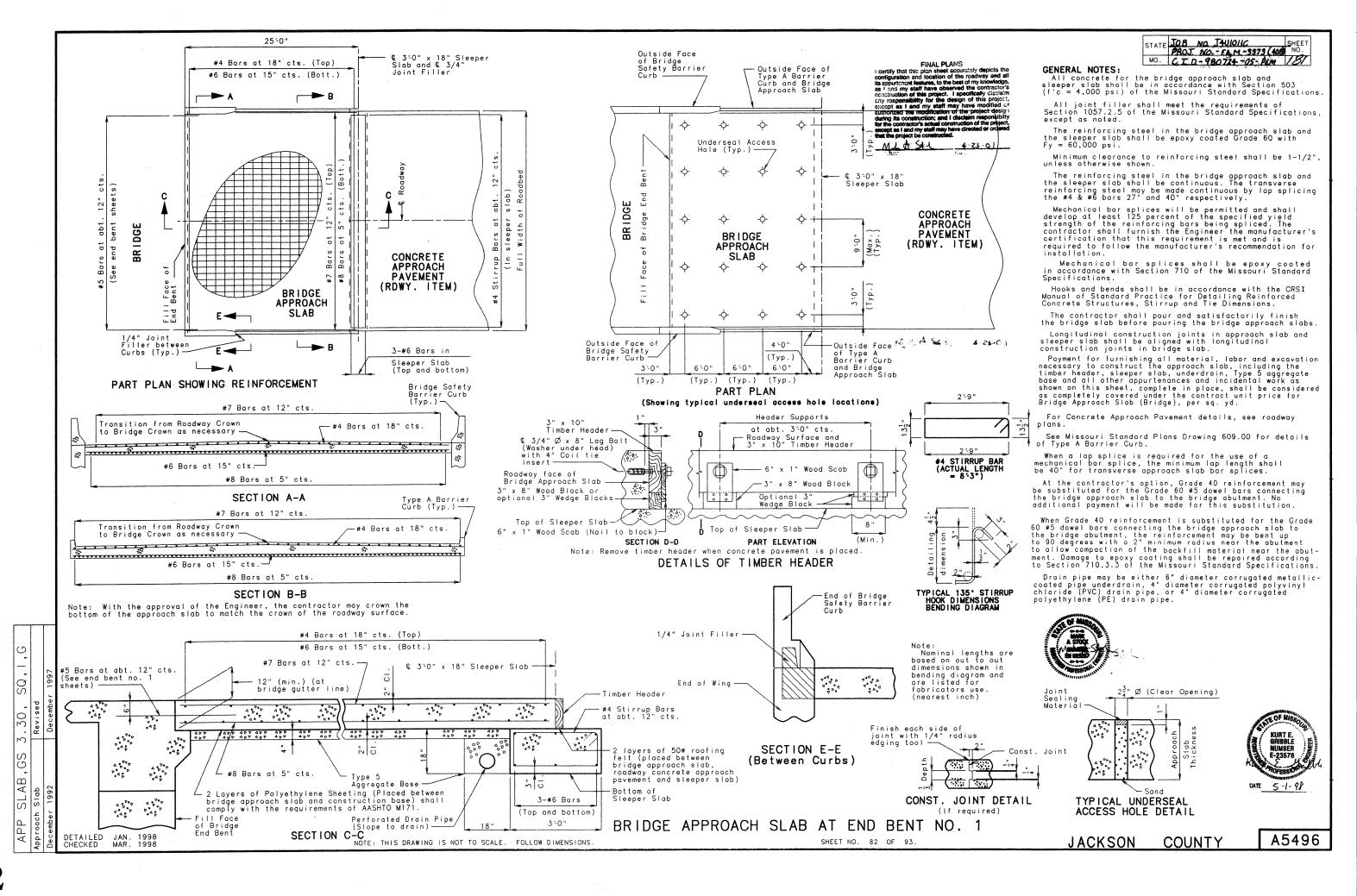


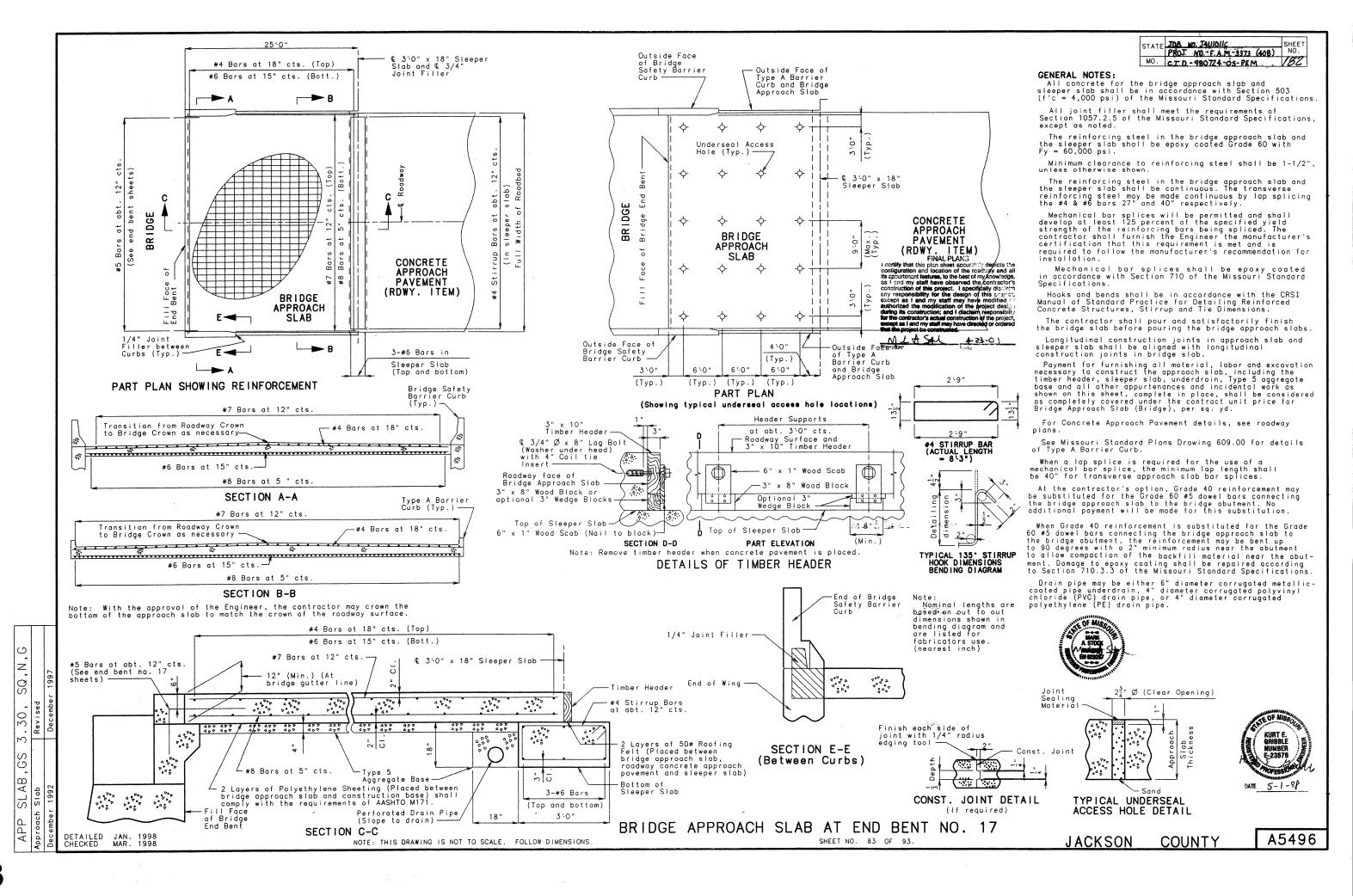


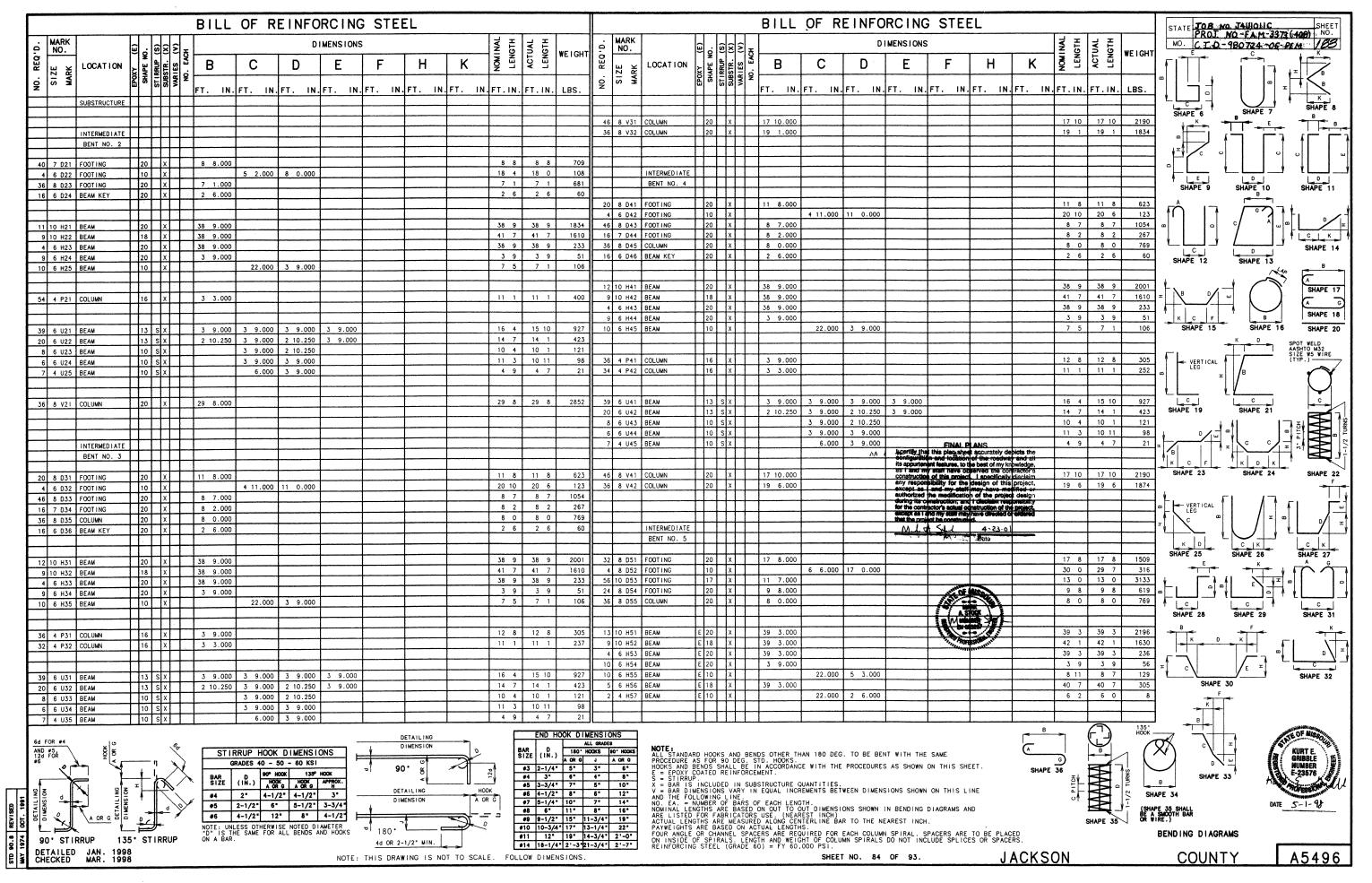


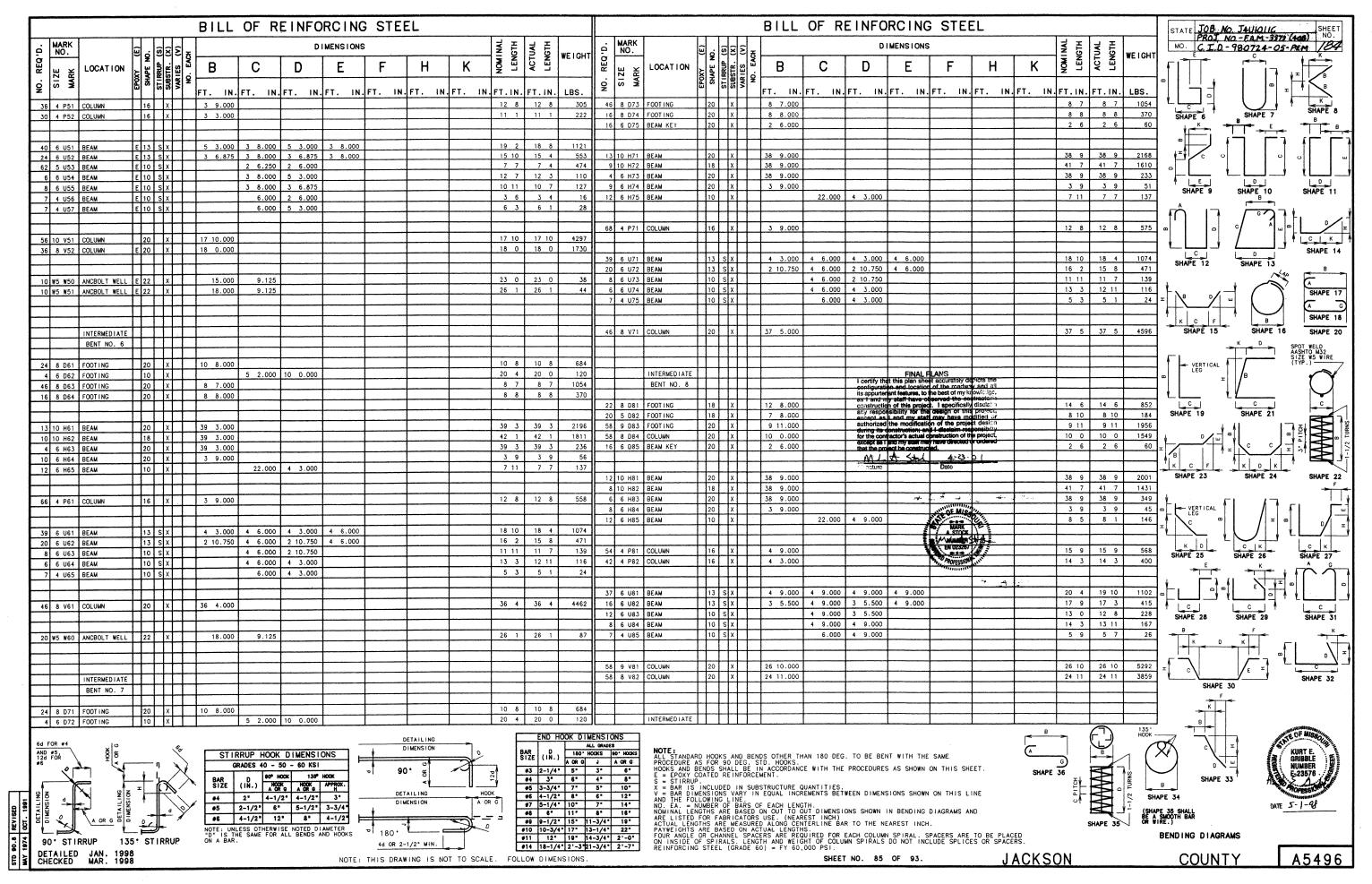


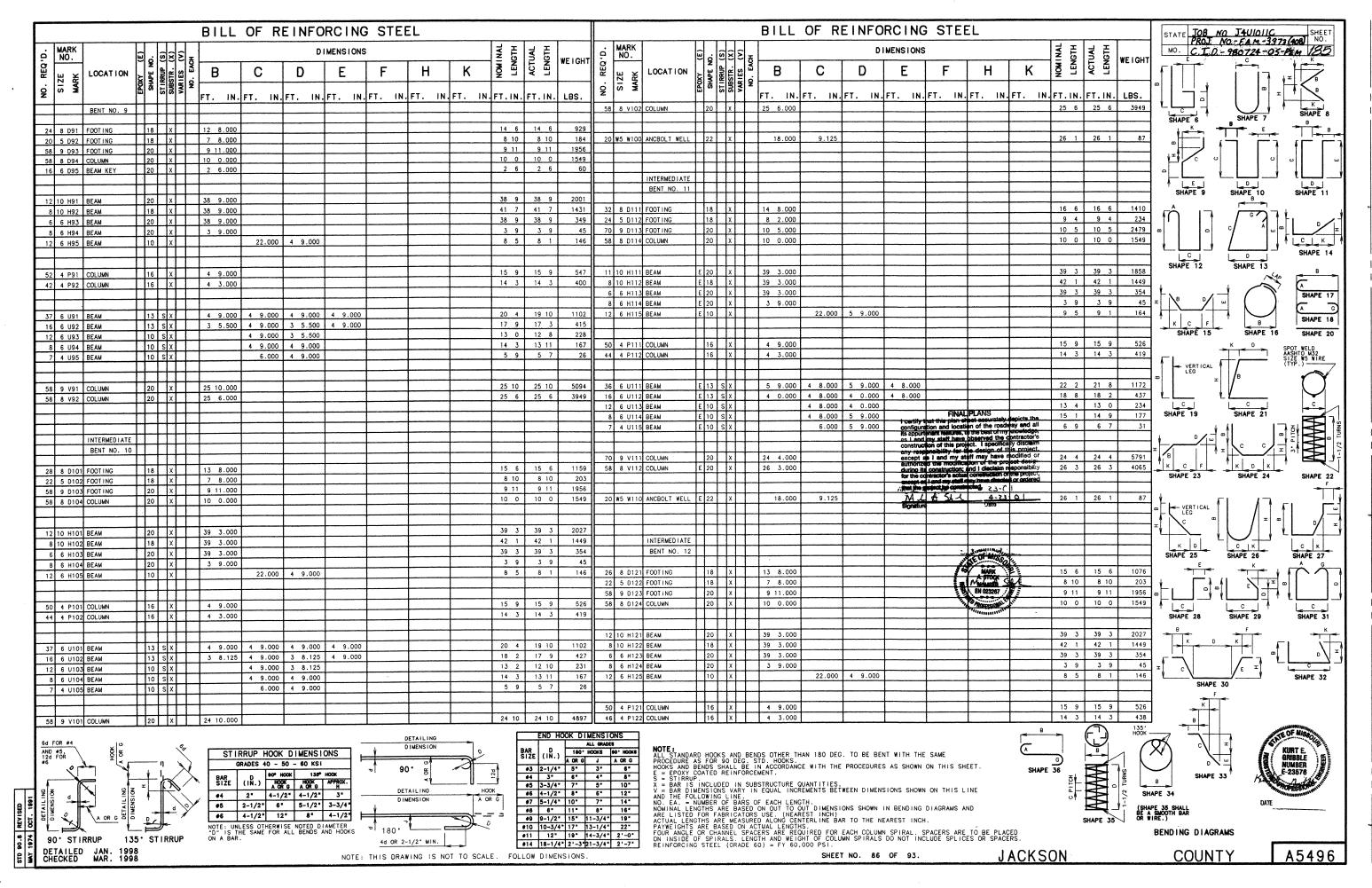


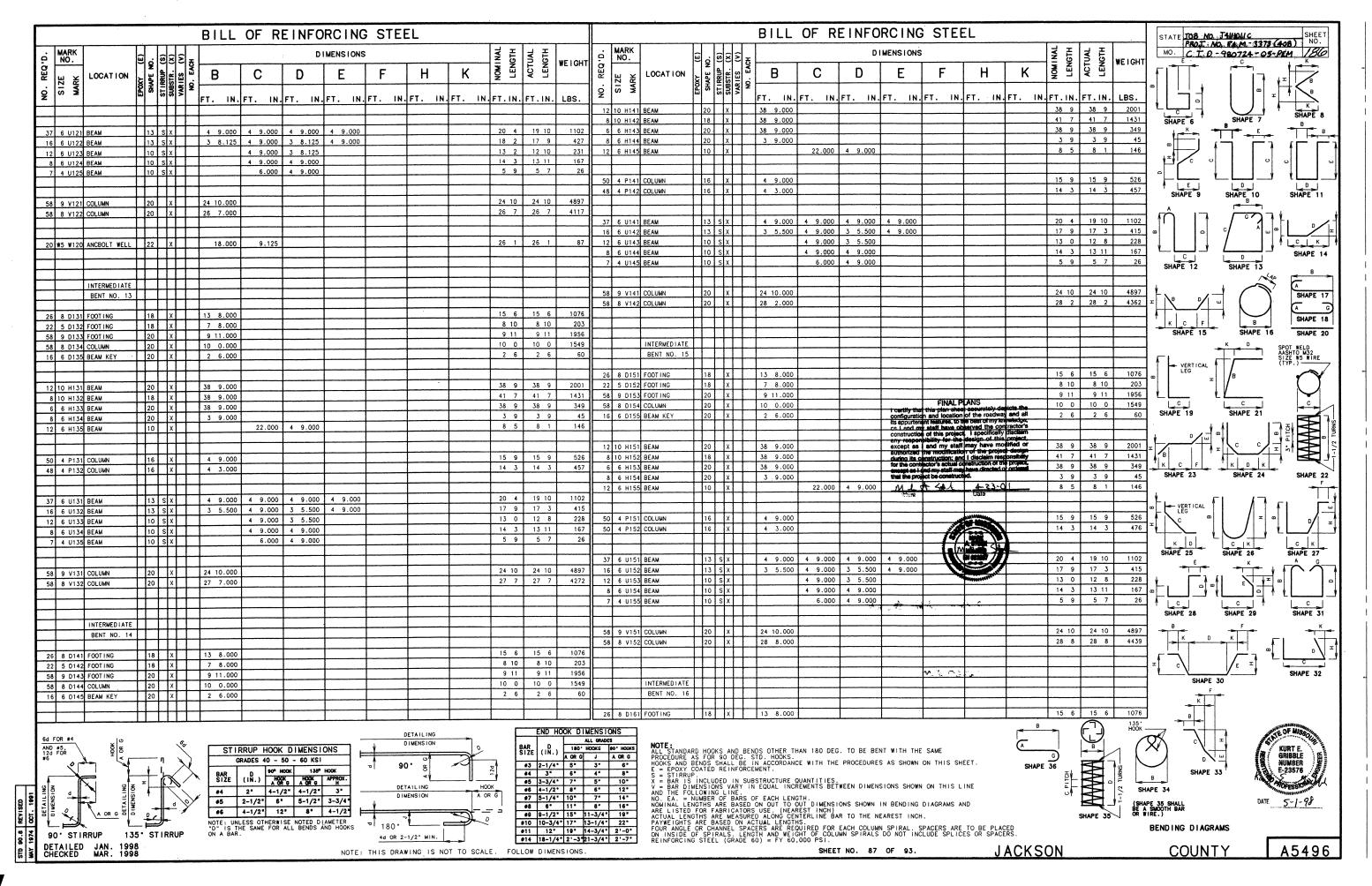


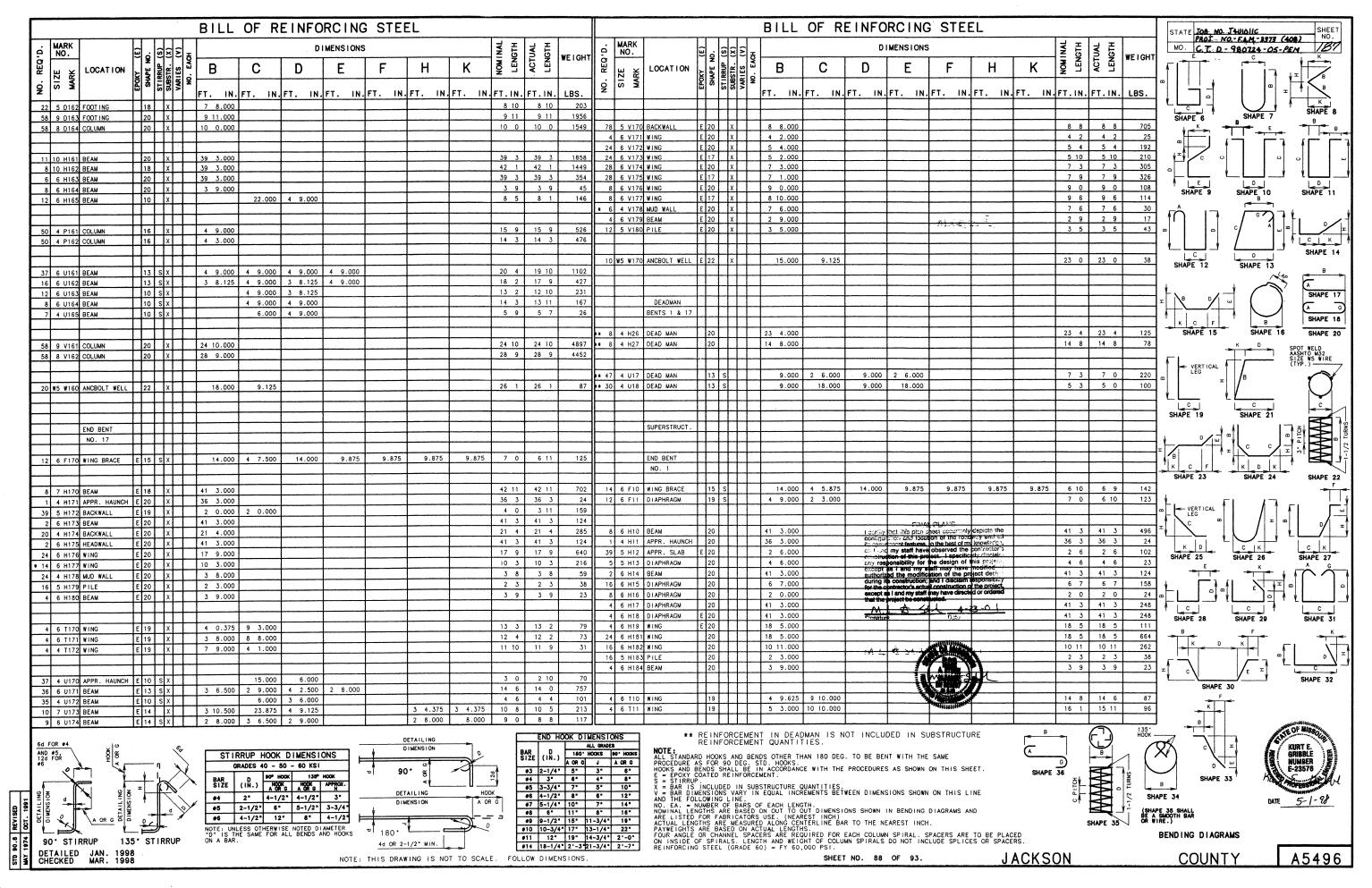


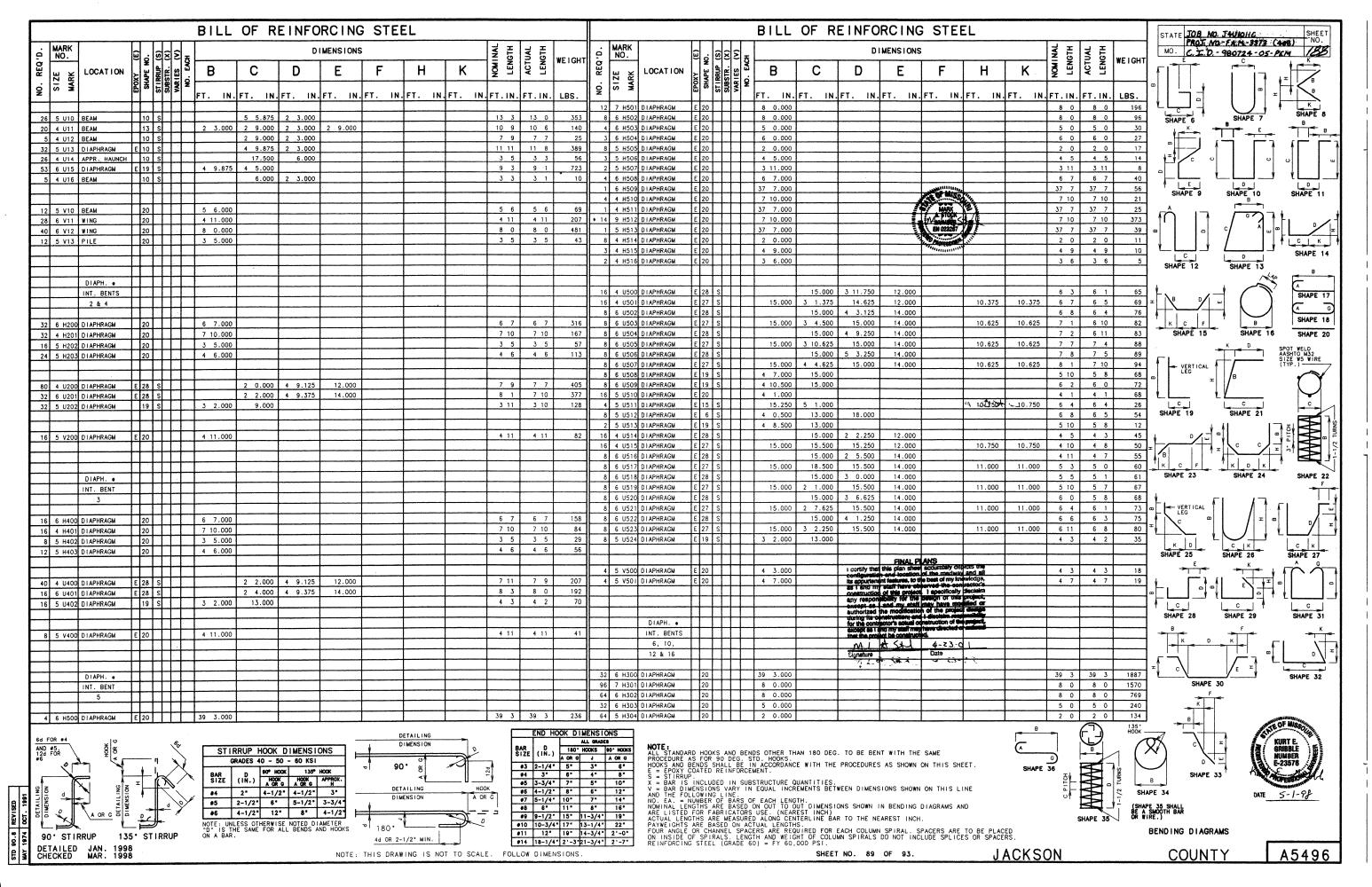


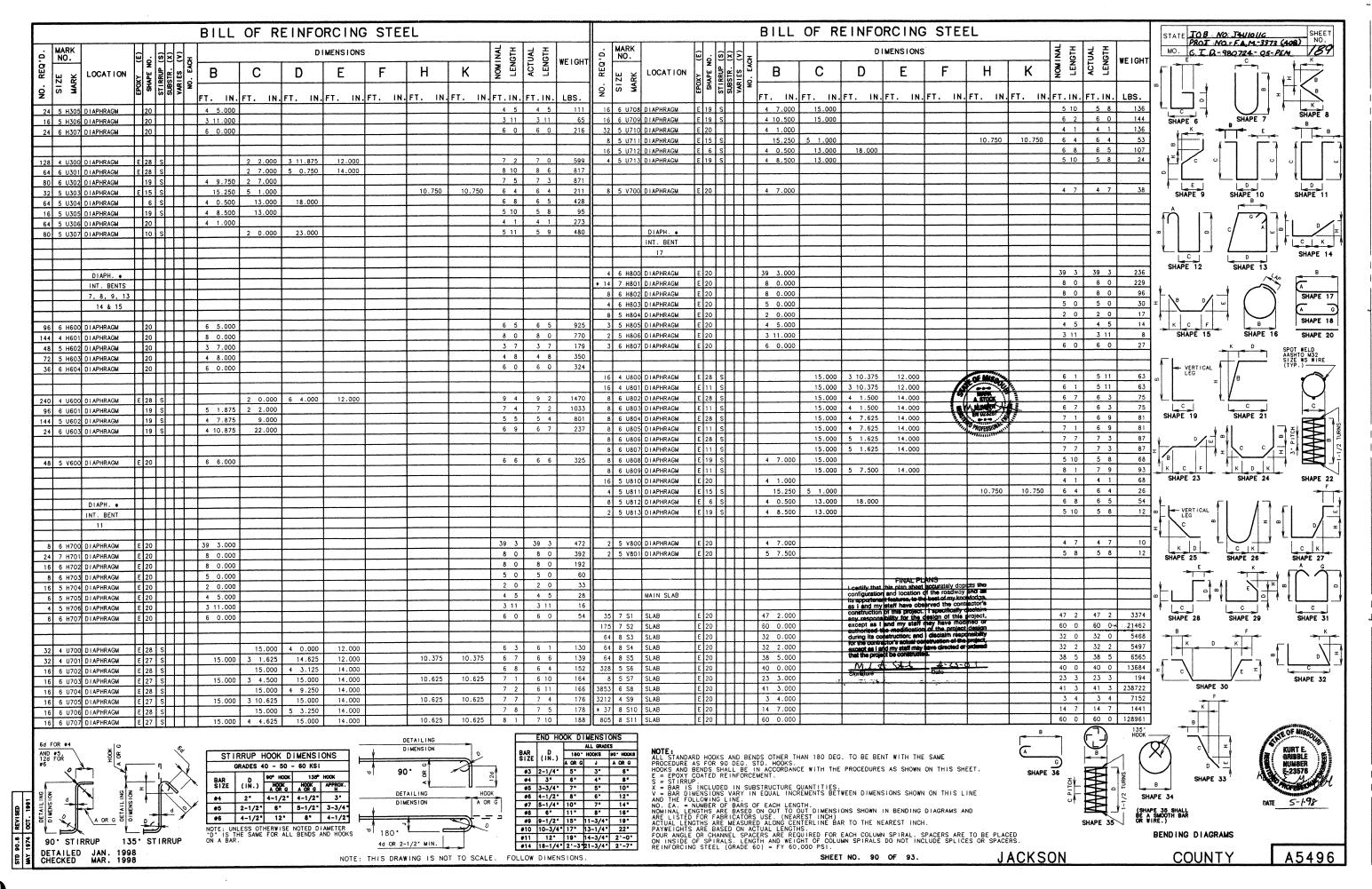


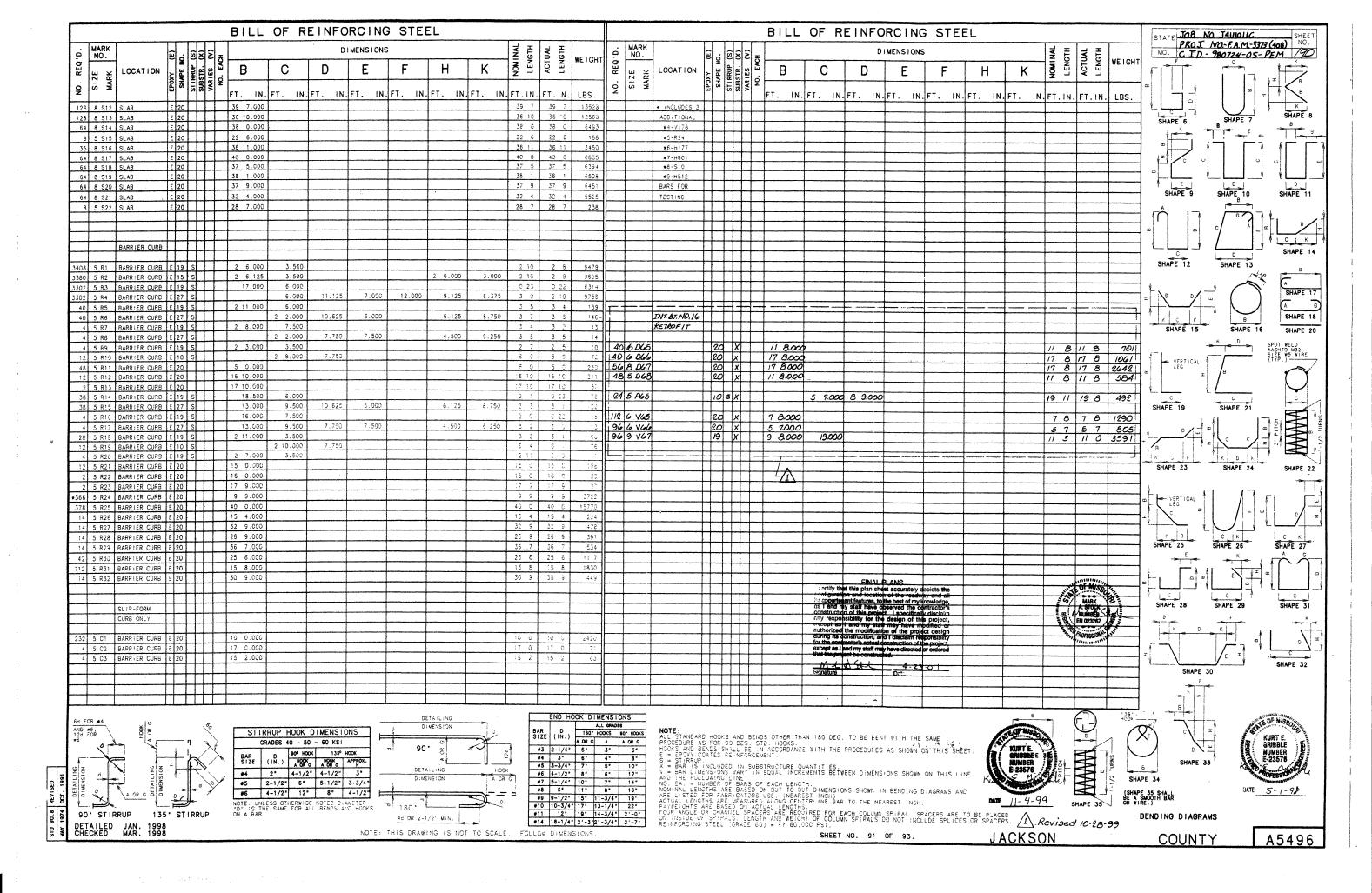


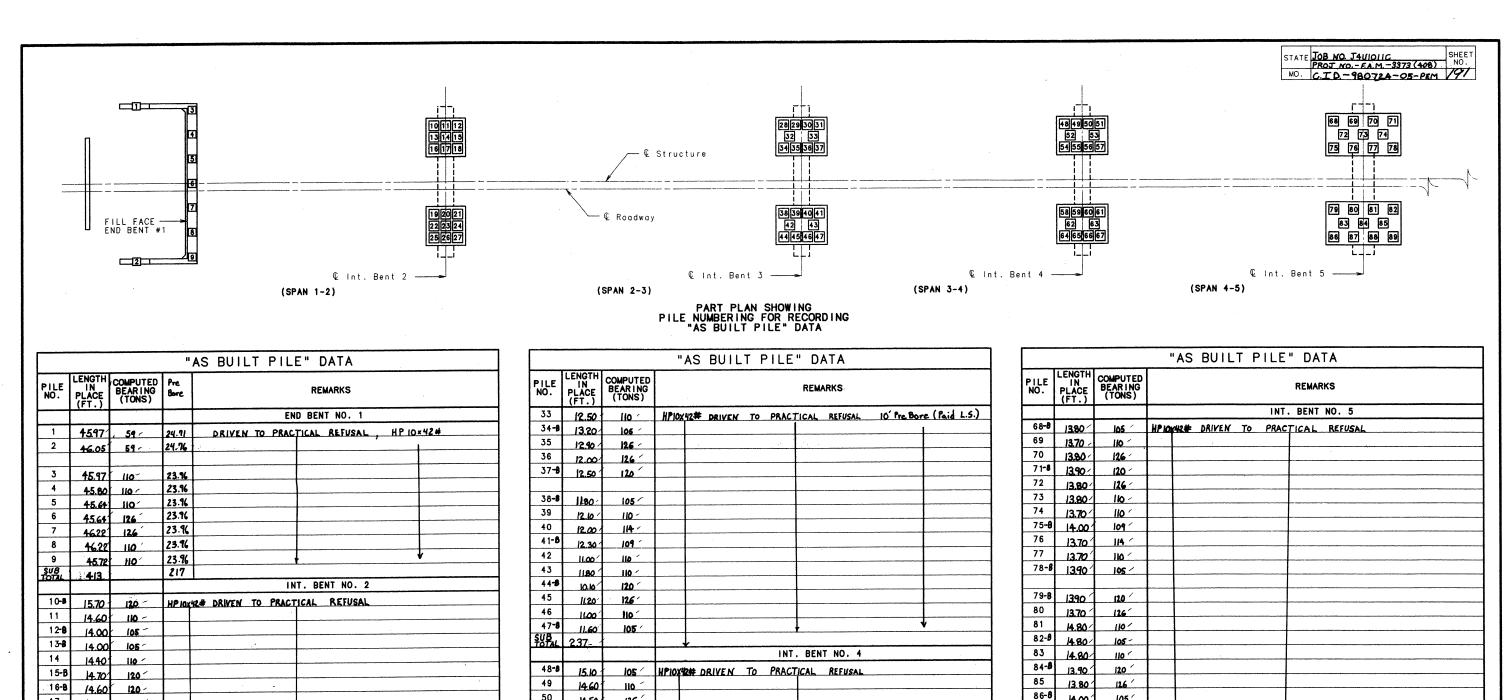












14.50 110 21-B 14.80 120 22-8 14.60 120 23 14.70 126 24-8 14.70 105 / 25-8 13.80 105 26 14.40 110 27-B 14.80 105 SUB 260. INT. BENT NO. 3 28-B HPIONES DRIVEN TO PRACTICAL REFUSAL 10' Pre Bore (Paid L.S.) 12.80 120 29 10.80 110 30 12.40 110 31-B 11.60 109 32 11.50 DETAILED JAN. 1998 CHECKED MAR. 1998 NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

14.60 50 14.50 126 51-8 13.20 120 52 13.00 126 53 13.00 110 54**-8** 13.20 105 55 13.60 114 56 12.80 114 57-8 13.20 105 58-8 13.00 59 13.00 60 12.80 61-**B** MLASAL 14.10 4 63 01 105 -62 1280 110 / 63 13.00 110 64-B 12.80 120 65 12.80 126 66 1280 110 67**-B** 105 SUB TOTAL 267



14.00

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MLASIL

SHEET NO. 92 OF 93.

105

110/

126

120

KURT E. GRIBBLE NUMBER E-23576 DATE 5-1-98

NOTE: INDICATE IN REMARK COLUMN:

A.) IF PILING WERE DRIVEN TO PRACTICAL REFUSAL.

B.) PILE BATTER IF OTHER THAN SHOWN ON BENT DETAIL SHEET.

C.) TYPE OF PILING USED.

JACKSON

COUNTY

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19-B

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14.30

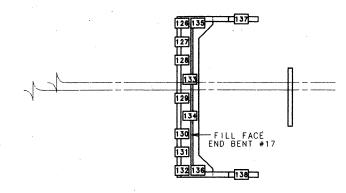
13.20

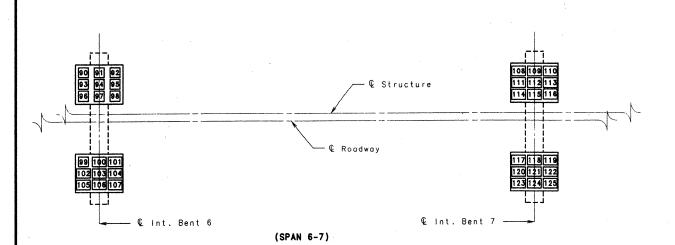
13.80

126

105

105





(SPANS 7-8 THRU 16-17)

Int. Bents No. 8-16 have spread footings, no piles are required.

PART PLAN SHOWING PILE NUMBERING FOR RECORDING "AS BUILT PILE" DATA

			"AS BUILT I	TLE DA	A I A
PILE NO.	LENGTH IN PLACE (FT.)	COMPUTED BEARING (TONS)		REMA	RKS
				INT. BENT	NO. 6
90-6	13.20	140 ′	PIZES# DRIVEN TO	PRACTICAL	REFUSAL
91	13.30	135			
92-8	13.30	135			
93-8	13.20	135			
94	/4.80 /	157			
95 -B	13.30 /	135 -			
96- 8	13.70	140			200
97	13.00	135 ′			
98-8	13.30	135 -			
99-8	14.30	140 -		-	
100	12.50	147			3.
101-8	12.90	140			
102-8	12.80	135~			
103	13.50	135			\ '
104-6	12.80	140~			
105-	12.80	140			
106	12.70				
107-8	(2,90	135 ′	↓		
SUB	238		-	•	

			"AS BUILT PILE" DATA
PILE NO.	LENGTH IN PLACE (FT.)	COMPUTED BEARING (TONS)	REMARKS
			INT. BENT NO. 7
108-8	13.80	140 (HPIZXES# DRIVEN TO PRACTICAL REFUSAL
109	13.70	133	
110 -8	13.80	140 -	
111-8	13.80	135 ^	
112	13.60	135 ′	
113-9	13.80	140 /	
114-8	13.80	140 /	
115	13.70/	147 /	:
116 -8	13.80	135	
117-8	13.80	135 -	
118	13.70	147	
119-6	14.70	140-	
120 -8	13.10	140~	
121	13.60	135-	
122-8	13.70	135-	
123-8	13.80	140-	
124	13.70	147-	
125-8	13.60	140-	
SUB TOTAL	248		

"AS BUILT PILE" DATA									
PILE NO.	LENGTH IN PLACE (FT.)	COMPUTED BEARING (TONS)	PREBORE	REMARKS					
				END BENT NO. 17					
126-8	60	101 /	42.04	HP10x42#DRIVEN TO PRACTICAL REFUSAL					
1,27-8	60	115	42.04						
128-8	60	(15 -	42.04						
129-8	60	115	42.04	Sit 4.25 C +					
130-8	ĞÕ	101 ′	42.04						
131-8	59.70	101	42.04						
132-8	59.60	116/	42.04	· ·					
133	58.40	126	42.04						
134	58.40	110/	42.04						
135	58.70	126	42.04						
136	58.20	110	42:04						
137	61.00	98	44.79						
138	62.00	88/	44.95	 					
\$₩ ₽ L	776	14	552						
		i							
	Ţ								
		·							

NOTE: THIS SHEET TO BE COMPLETED BY MHTD CONSTRUCTION PERSONNEL.



NOTE: INDICATE IN REMARK COLUMN:
A.) IF PILING WERE DRIVEN TO PRACTICAL REFUSAL.
B.) PILE BATTER IF OTHER THAN SHOWN ON BENT DETAILSHEET.
C.) TYPE OF PILING USED.

COUNTY

A5496

DETAILED JAN. 1998 CHECKED MAR. 1998

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

SHEET NO. 93 OF 93.

MoDOT 10:47:10AM COUNTY: JACKSON **DISTRICT: KC CLASS: STATBR** FED-ID: 11895 **BRIDGE: A5495** ***GENERAL STRUCTURE INFORMATION*** ***BRIDGE INSPECTION INFORMATION*** ROUTE: MO150E # **SPANS**: 16 PLACE CODE: 38000 KANSAS CITY CITY **DATE:** 05/03/2023 **RESPONSIBILITY: BRIDGEDIV** LANES ON: 2 FEATURE: BLUE RVR, UP RR **LENGTH:** 1,613 FT 0 IN FREQUENCY: 24 **CALCULATED INTERVAL**: 23** LANES UNDER: 0 STATUS: A-OPEN MAXIMUM SPAN: 110 FT 0 IN **TEAM LEADER: STEVE HULBERT ELEMENT: YES LOG MILE: 0.985 COMPASS DIRECTION: NORTH to SOUTH** APPROACH ROADWAY: 40 FT 0 IN **INSPECTOR 2:** DUSTIN PIERCE (NTLQ) **INSPECTOR 4: DETOUR:** 1.00 MILES **DIRECTION OF TRAFFIC: 1-WAY TRAF** CURB TO CURB: 38 FT 10 IN **INSPECTOR 3:** NHS: YES **FUNCTIONAL CLASS: UR-FREEWAY OUT TO OUT:** 41 FT 6 IN ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. **BUILT:** 1999 **NBI OWNER: MODOT AADT:** 11764 **GENERAL INSPECTION COMMENTS** REHAB: **NBI MAINTAINED: MODOT AADT YEAR: 2022** LOCATION: S 30 T 47 R 33 W MAINTENANCE DISTRICT: KC **AADT TRUCK: 4.2% LATITUDE:** 38 52 12.09 (DMS) **MAINTENANCE COUNTY: JACKSON FUTURE AADT: 15881 LONGITUDE:** 94 36 6.76 (DMS) SUB AREA: 7C03 **FUTURE AADT YEAR: 2042** ***FRACTURE CRITICAL INSPECTION INFORMATION*** ***INDEPTH INSPECTION INFORMATION*** DATE: RESPONSIBILITY: **CATEGORY: CATEGORY:** DATE: **RESPONSIBILITY: FREQUENCY: CALCULATED INTERVAL**: NBI**: **FREQUENCY: CALCULATED INTERVAL**: NBI**: **TEAM LEADER: INSPECTOR 3: METHOD: TEAM LEADER: INSPECTOR 3: METHOD: INSPECTOR 2: INSPECTOR 4: INSPECTOR 2: INSPECTOR 4:** ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. FRACTURE CRITICAL INSPECTION COMMENTS **INDEPTH INSPECTION COMMENTS** ***SPECIAL INSPECTION INFORMATION*** ***UNDERWATER INSPECTION INFORMATION*** **DATE:** 12/07/2022 CATEGORY: CHANNEL CROSS SECT **CATEGORY: DRY RESPONSIBILITY: BRIDGEDIV DATE:** 05/03/2023 **RESPONSIBILITY: BRIDGEDIV NBI:** NO FREOUENCY: 60 NBI: NO FREOUENCY: 72 CALCULATED INTERVAL**: 88 CALCULATED INTERVAL**: 23 TEAM LEADER: STEVE HULBERT **INSPECTOR 3: METHOD:** WT TAPE **TEAM LEADER: STEVE HULBERT INSPECTOR 3: METHOD:** VISUAL **INSPECTOR 4: INSPECTOR 2:** DUSTIN PIERCE (NTLQ) **INSPECTOR 2: INSPECTOR 4:**

**	When	calculated	l interval	exceeds th	e frequency	, a justification	comment per	r BIRM is re	quired.

ency, a justification comment per BIRM is required.	** When calculated interval exceeds the frequency, a justification comment per BIRM is required.

OTHER SPECIAL INSPECTIONS	OTHER UNDERWATER INSPECTIONS

DATE **FREQUENCY CATEGORY NBI** CALCULATED INTERVAL RESPONSIBILITY **METHOD** DATE **FREQUENCY CATEGORY** CALCULATED INTERVAL RESPONSIBILITY **METHOD** 01/17/2014

QUALITY NO **BRIDGEDIV ASSURANCE**

SPECIAL INSPECTION COMMENTS

UNDERWATER INSPECTION COMMENTS

MoDOT

Missouri Department of Transportation State Bridge Inspection Report

August 08, 2023 10:47:10AM

COUNTY: JACKSON **DISTRICT: KC CLASS: STATBR** FED-ID: 11895 **BRIDGE: A5495** ***STRUCTURE POSTING*** APPROVED CATEGORY: S-1 NO POSTING REQUIRED **Ton 1: Ton 2: Ton 3: COMMENTS:** FIELD CATEGORY: S-1 NO POSTING REQUIRED **PROBLEM:** PROBLEM DIRECTION: **Ton 1: Ton 2: Ton 3: COMMENTS:** ***GENERAL COMMENTS/MAJOR RATED ITEMS*** GENERAL COMMENTS: (HAGEMD1, 06/04/2015)-- (65'-90'-71'-71')P/S CONC I-GRDR SPNS (6 @ 110')(5@110'-78') P/S BULB-TEE GRDR SPANS [ITEM 58] DECK: 6-SATISFACTORY CONDITION COMMENTS: (MADSEJ, 05/03/2019)--EXCESSIVE FINE MAP CRACKS THROUGHOUT THE DECK SURFACE. **RATING:** 05/02/2019 [ITEM 59] SUPER: 6-SATISFACTORY CONDITION COMMENTS: (MADSEJ, 05/03/2019)--MANY SPALLS AND DELAMINATIONS WITH A FEW VERTICAL STIRRUP BARS EXPOSED ON THE SOUTH SPAN PRESTRESSED GIRDERS. **RATING:** 05/02/2019 [ITEM 60] SUB: 7-GOOD CONDITION COMMENTS: (MADSEJ, 06/07/2017)--A FEW VERTICAL CRACKS THROUGHOUT THE BEAMCAPS AT THE EXPANSION JOINTS. **RATING:** 06/07/2017 [ITEM 61] BANK/CHANNEL: 5-MAJOR DAMAGE COMMENTS: (MADSEJ, 06/07/2017)--POOR UPSTREAM ALIGNMENT. STEEP ERODING BANKS THROUGHOUT THE CHANNEL. DEBRIS AND VEGETATION GROWING IN THE DOWNSTREAM CHANNEL IS SLIGHTLY RESTRICTING FLOW. **RATING:** 06/07/2017 [ITEM 113] SCOUR: 8-STABLE FOR CALCULATED COMMENTS: (MADSEJ, 06/07/2017)--MINOR EROSION/SCOUR AT THE BENT 5 COLUMNS. **RATING:** 05/18/2001 **EVALUATION TYPE:** [ITEM 71] WATERWAY ADEQUACY: DECK ABOVE FLOOD ELEV **COMMENTS: RATING:** 05/18/2001 [ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD **COMMENTS: RATING:** 05/18/2001 ***RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS*** [ITEM 36A] BRIDGE RAILING RATING: MEETS CURRENT STANDARDS-1 **RATING:** 05/18/2001 **COMMENTS: DIRECTION MATERIAL CONSTRUCTION COMMENTS** REINFORCED CONCRETE SAFETY BARRIER CURB **BOTH CONDITION** LOCATION 1 LOCATION 2 **SEVERITY COMMENT THROUGHOUT SPALLS MINOR** VERTICAL CRACKS **THROUGHOUT** MANY [ITEM 36B] TRANSITION RAILING RATING: MEETS CURRENT STANDARDS-1 **RATING:** 05/18/2001 **COMMENTS:** MATERIAL **CONSTRUCTION DIRECTION COMMENTS** GALVANIZED STEEL THRIE BEAM TO W-BEAM **BOTH-WEST** [ITEM 36C] APPROACH RAILING RATING: MEETS CURRENT STANDARDS-1 **RATING:** 05/18/2001 **COMMENTS: COMMENTS MATERIAL CONSTRUCTION DIRECTION**

Design No = A5495

GALVANIZED STEEL

W-BEAM

BOTH-WEST

Missouri Department of Transportation

State Bridge Inspection Report

COMMENTS:

FED-ID: 11895

[ITEM 36D] RAIL END TREATMENT RATING: MEETS CURRENT STANDARDS-1

RATING: 05/18/2001

CLASS: STATBR

BRIDGE: A5495

August 08, 2023

10:47:10AM

MATERIAL

DIRECTION CONSTRUCTION

DISTRICT: KC

COMMENTS

GALVANIZED STEEL

MODOT

BREKAWAY SYSTEM

BOTH-WEST

APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.

COUNTY: JACKSON

CONSTRUCTION

DIRECTION BOTH

CONDITION* COMMENTS

MATERIAL REINFORCED CONCRETE

TIED SLAB

GOOD

	DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS						
DECK PROTECTIVE COM SERIES TYPE-# APPROACH SERIES-1 COMMENT:	<u>COMPONENT</u> WEARING SURFACE	<u>MATERIAL</u> PLAIN CONCRETE	<u>CONSTRUCTION</u> MONOLITHIC	<u>THICKNESS</u>	YEAR APPLIED	<u>MANUFACTURE</u>	<u>OVERALL CONDITION</u>
<u>COMMENT:</u>	DECK PROTECTION	EPOXY POLYMER	COATED REBAR				
<u>COMMENT:</u>	MEMBRANE	NOTAPPLICABLE	NONE				
<u>COMMENT:</u>	SECONDARY DECK PROTECTION	LIQUID SEALANT	INTERNALLY SEALED		2014	SILANE	
MAIN SERIES-2 <u>COMMENT:</u>	WEARING SURFACE	PLAIN CONCRETE	MONOLITHIC				
<u>COMMENT:</u>	DECK PROTECTION	EPOXY POLYMER	COATED REBAR				
<u>COMMENT:</u>	<i>MEMBRANE</i>	NOTAPPLICABLE	NONE				
<u>COMMENT:</u>	SECONDARY DECK PROTECTION	LIQUID SEALANT	INTERNALLY SEALED		2014	SILANE	
MAIN SERIES-3 <u>COMMENT:</u>	WEARING SURFACE	PLAIN CONCRETE	MONOLITHIC				
<u>COMMENT:</u>	DECK PROTECTION	EPOXY POLYMER	COATED REBAR				
<u>COMMENT:</u>	MEMBRANE	NOTAPPLICABLE	NONE				
<u>COMMENT:</u>	SECONDARY DECK PROTECTION	LIQUID SEALANT	INTERNALLY SEALED		2014	SILANE	

Design_No = A5495

August 08, 2023 10:47:10AM

Missouri Department of Transportation State Bridge Inspection Report

State Bridge Inspection Report
OUNTY: LACKSON DISTRICT: RC CLASS, STATED FED ID: 11805

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11895 **BRIDGE: A5495 DRAINAGE COMPONENTS: COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS DRAINAGE** GALVANIZED STEEL FLOOR DRAIN **DRAINAGE** GEOTEXTILE FABRIC VERTICAL DRAIN-END BENT **EXPANSION DEVICE COMPONENTS: OVERALL CONDITION SUB UNIT-#** SUB LABEL **COMPONENT MATERIAL CONSTRUCTION GAP** YEAR APPLIED **MANUFACTURE** BENT-5 OPEN EXPANSION JOINT STEEL FINGER PLATE GOODCOMMENT: (OTISL1, 06/03/2019)--FEW SPALLS IN DECK @ JOINT STEELBENT-11 OPEN EXPANSION JOINT GOODFINGER PLATE *COMMENT:* (OTISL1, 06/03/2019)--FEW SPALLS IN DECK @ JOINT STEEL ABUTMENT-17 CLOSED EXPANSION JOINT FLAT PLATE GOOD**COMMENT: BANK/SLOPE PROTECTION COMPONENTS: COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS BANK PROTECTION** ROCK**BLANKET** WALL REINFORCED CONCRETE BANK PROTECTION ***DECK COMPONENTS*** SPAN TYPE-# **COMPONENT MATERIAL CONSTRUCTION COMMENTS** APPROACH SPANS-1 DECKREINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT** LONGITUDINAL CRACKS THROUGHOUT **FEW** MAP CRACKS THROUGHOUT FINE TRANSVERSE CRACKS **FEW** THROUGHOUT APPROACH SPANS-2 DECKREINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS **CONDITION** LOCATION 1 **SEVERITY** LOCATION 2 **MEASUREMENT COMMENT** LONGITUDINAL CRACKS THROUGHOUT **FEW** THROUGHOUT FINE MAP CRACKS **FEW** TRANSVERSE CRACKS **THROUGHOUT** APPROACH SPANS-3 DECK REINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS **CONDITION** LOCATION 1 LOCATION 2 SEVERITY **MEASUREMENT COMMENT** LONGITUDINAL CRACKS **THROUGHOUT FEW THROUGHOUT FINE** MAP CRACKS **FEW** TRANSVERSE CRACKS **THROUGHOUT**

Design No = A5495

APPROACH SPANS-4

CONDITION

LONGITUDINAL CRACKS

DECK

REINFORCED CONCRETE

LOCATION 1

THROUGHOUT

MODOT

Page 4

SEVERITY

FEW

MEASUREMENT

COMMENT

CAST-IN-PLACE-P/C FORMS

LOCATION 2

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11895 BRIDGE: A5495

COUNTY: JACKS	SON DISTRI	CT: KC	CLASS: STATBR		FED-ID: 11895]
MAP CRACKS TRANSVERSE CRACKS	THROUGHOUT THROUGHOUT			FINE FEW		
MAIN SPANS-5 CONDITION LONGITUDINAL CRACKS MAP CRACKS SPALLS TRANSVERSE CRACKS	DECK REINF LOCATION 1 THROUGHOUT THROUGHOUT AT JOINTS THROUGHOUT	ORCED CONCRETE	CAST-IN-PLACE-P/C F LOCATION 2		<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-6 CONDITION LONGITUDINAL CRACKS MAP CRACKS TRANSVERSE CRACKS	DECK REINF LOCATION 1 THROUGHOUT THROUGHOUT THROUGHOUT	ORCED CONCRETE	CAST-IN-PLACE-P/C F LOCATION 2		<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-7 CONDITION LONGITUDINAL CRACKS MAP CRACKS TRANSVERSE CRACKS	DECK REINF LOCATION 1 THROUGHOUT THROUGHOUT THROUGHOUT	ORCED CONCRETE	CAST-IN-PLACE-P/C F LOCATION 2		<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-8 CONDITION LONGITUDINAL CRACKS MAP CRACKS TRANSVERSE CRACKS	DECK REINF LOCATION 1 THROUGHOUT THROUGHOUT THROUGHOUT	ORCED CONCRETE	CAST-IN-PLACE-P/C F LOCATION 2	FORMS SEVERITY FEW FINE FEW	<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-9 CONDITION LONGITUDINAL CRACKS MAP CRACKS TRANSVERSE CRACKS	DECK REINF LOCATION 1 THROUGHOUT THROUGHOUT THROUGHOUT	ORCED CONCRETE	CAST-IN-PLACE-P/C F LOCATION 2		<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-10 CONDITION LONGITUDINAL CRACKS MAP CRACKS SPALLS TRANSVERSE CRACKS	DECK REINF LOCATION 1 THROUGHOUT THROUGHOUT AT JOINTS THROUGHOUT	ORCED CONCRETE	CAST-IN-PLACE-P/C F LOCATION 2		<u>MEASUREMENT</u>	<u>COMMENT</u>
MAIN SPANS-11 CONDITION LONGITUDINAL CRACKS MAP CRACKS TRANSVERSE CRACKS	DECK REINF LOCATION 1 THROUGHOUT THROUGHOUT THROUGHOUT	ORCED CONCRETE	CAST-IN-PLACE-P/C F LOCATION 2		<u>MEASUREMENT</u>	<u>COMMENT</u>

MODOT

MoDOT

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11895 **BRIDGE: A5495** REINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS MAIN SPANS-12 DECK **CONDITION LOCATION 1** LOCATION 2 **SEVERITY** *MEASUREMENT* **COMMENT** LONGITUDINAL CRACKS **THROUGHOUT FEW** MAP CRACKS THROUGHOUT **FINE FEW** TRANSVERSE CRACKS THROUGHOUT MAIN SPANS-13 DECK REINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS **CONDITION LOCATION 1 LOCATION 2** SEVERITY **MEASUREMENT COMMENT** LONGITUDINAL CRACKS THROUGHOUT **FEW FINE** MAP CRACKS **THROUGHOUT FEW** TRANSVERSE CRACKS THROUGHOUT DECKMAIN SPANS-14 REINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS **CONDITION LOCATION 1** LOCATION 2 **SEVERITY MEASUREMENT COMMENT** LONGITUDINAL CRACKS **FEW** THROUGHOUT MAP CRACKS THROUGHOUT **FINE** TRANSVERSE CRACKS **FEW** THROUGHOUT MAIN SPANS-15 DECKREINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS **CONDITION** LOCATION 1 LOCATION 2 SEVERITY **MEASUREMENT COMMENT** LONGITUDINAL CRACKS **THROUGHOUT FEW FINE** MAP CRACKS THROUGHOUT TRANSVERSE CRACKS THROUGHOUT **FEW** MAIN SPANS-16 DECK REINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS **CONDITION** LOCATION 1 **LOCATION 2 SEVERITY MEASUREMENT COMMENT MODERATE** (HULBES1, 05/03/2023)--DUE TO FIRE DAMAGE **DELAMINATION** PRECAST PANELS LONGITUDINAL CRACKS THROUGHOUT **FEW** MAP CRACKS THROUGHOUT **FINE SPALLS** PRECAST PANELS **MEDIUM** (HULBES1, 05/03/2023)--DUE TO FIRE DAMAGE **FEW** TRANSVERSE CRACKS THROUGHOUT ***SUPERSTRUCTURE COMPONENTS*** SERIES TYPE-# SPAN TYPE MATERIAL CONSTRUCTION LABEL **COMMENTS** APPROACH SERIES-1 CONTINUOUS SPAN PRESTRESSED CONCRETE I-GIRDERS **COMPOSITE INDICATOR LENGTH WEATHERING STEEL COMMENTS** <u>SPAN</u> APPROACH SPANS-1 COMPOSITE 65 FT 4 IN NO **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT EFFLORESCENCE** GIRDER ENCASEMENT LIGHT **APPROACH SPANS-2** COMPOSITE NO 90 FT 0 IN **SEVERITY CONDITION LOCATION 1** LOCATION 2 **MEASUREMENT COMMENT APPROACH SPANS-3** COMPOSITE 71 FT 0 IN NO LOCATION 2 **SEVERITY CONDITION** LOCATION 1 **MEASUREMENT COMMENT** APPROACH SPANS-4 COMPOSITE 71 FT 0 IN NO Design No = A5495

This report contains information that is protected from disclosure by federal law, 23 USC Section 409 and the Missouri Open Records Law (Sunshine Act), Section 610.021 RSMo. Please review MoDOT's policy and procedure manual on the Sunshine Act before releasing any of the information contained herein

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11895 BRIDGE: A5495

COUNTY: JACKSON	DISTRICT: KC	CLASS: STATER	<u> </u>	D-1D: 11895	BRIDGE: A3495
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	SEVERITY MEA	<u>SUREMENT</u> <u>COMMENT</u>	
MAIN SERIES-2 CONTINUOUS SPAN COMPOSITE MAIN SPANS-5 COMPOSITE CONDITION	INDICATOR LENGTH WEA	CRETE BULB TEES ATHERING STEEL COMMENTS NO LOCATION 2	SEVERITY MEA.	SUREMENT COMMENT	
MAIN SPANS-6 COMPO	OSITE 110 FT 0 IN LOCATION 1	NO <u>LOCATION 2</u>	SEVERITY MEA.	SUREMENT COMMENT	
MAIN SPANS-7 COMPO	OSITE 110 FT 0 IN LOCATION 1	NO <u>LOCATION 2</u>	SEVERITY MEA.	<u>SUREMENT</u> <u>COMMENT</u>	
MAIN SPANS-8 COMPO <u>CONDITION</u>	OSITE 110 FT 0 IN LOCATION 1	NO <u>LOCATION 2</u>	SEVERITY MEA.	SUREMENT COMMENT	
MAIN SPANS-9 COMPO <u>CONDITION</u>	OSITE 110 FT 0 IN LOCATION 1	NO <u>LOCATION 2</u>	SEVERITY MEA.	SUREMENT COMMENT	
MAIN SPANS-10 COMPO <u>CONDITION</u>	OSITE 110 FT 0 IN LOCATION 1	NO <u>LOCATION 2</u>	<u>SEVERITY</u> <u>MEA.</u>	SUREMENT COMMENT	
MAIN SERIES-3 CONTINUOUS SPAN COMPOSITE MAIN SPANS-11 COMPOSITE CONDITION	INDICATOR <u>LENGTH</u> <u>WEA</u>	CRETE BULB TEES ATHERING STEEL COMMENTS NO LOCATION 2	<u>SEVERITY</u> <u>MEA.</u>	<u>SUREMENT</u> <u>COMMENT</u>	
MAIN SPANS-12 COMPO <u>CONDITION</u>	OSITE 110 FT 0 IN LOCATION 1	NO <u>LOCATION 2</u>	<u>SEVERITY</u> <u>MEA</u>	<u>SUREMENT</u> <u>COMMENT</u>	
MAIN SPANS-13 COMPO <u>CONDITION</u>	OSITE 110 FT 0 IN <u>LOCATION 1</u>	NO <u>LOCATION 2</u>	<u>SEVERITY</u> <u>MEA.</u>	<u>SUREMENT</u> <u>COMMENT</u>	
MAIN SPANS-14 COMPO <u>CONDITION</u>	OSITE 110 FT 0 IN LOCATION 1	NO <u>LOCATION 2</u>	<u>SEVERITY</u> <u>MEA</u>	<u>SUREMENT</u> <u>COMMENT</u>	
MAIN SPANS-15 COMPO <u>CONDITION</u>	OSITE 110 FT 0 IN <u>LOCATION 1</u>	NO <u>LOCATION 2</u>	<u>SEVERITY</u> <u>MEA.</u>	<u>SUREMENT</u> <u>COMMENT</u>	
MAIN SPANS-16 COMPO <u>CONDITION</u> DELAMINATION FIRE DAMAGE	OSITE 79 FT 4 IN LOCATION 1 GIRDERS GIRDERS	NO <u>LOCATION 2</u>		(MADSEJ, 0	5/03/2019)GIRDER 3 AND 4. 5/03/2019)MANY LARGE DELAMINATIONS AND SPALLS THROUGHOUT THE OF THE SPAN DUE TO A RECENT RAGING FIRE SET UNDER THE BRIDGE.
REBAR EXPOSED SPALLS	GIRDER ENDS GIRDERS		FEW LARGE	(MADSEJ, 0	5/03/2019)GIRDER 3 VERTICAL STIRRUP BARS. 5/03/2019)GIRDER 3 AND 4.

MODOT

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11895 BRIDGE: A5495

		***SUBSTRUCTURE CO)MPONENTS*	**	
SUBSTRUCTURE SKEW	LENGTH MATERIAL	CONSTRUCTION LABE			
ABUTMENT-1	41 FT 6 IN REINFORCED CONCRETE	INTEGRAL			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
EFFLORESCENC		<u>= 0 0.1110.1+ =</u>	LIGHT		<u> </u>
VERTICAL CRACK			FEW		
PILING	STEEL	H-SHAPE	12,,		
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
DEADMAN ANCHORS	STEEL	ROD			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
TURNED BACK WINGS	REINFORCED CONCRETE	CAST-IN-PLACE	<u>22, 21111</u>		<u> </u>
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
WING PILES	STEEL EDEATION T	H-SHAPE	<u>SEVERITI</u>	MENSCREMENT	COMMENT
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT	<u>SEVERITI</u>	MEASUREMENT	COMMENT
EAPAINSION BEARING CONDITION	ELASTOMERIC LOCATION 1	LAMINATED NEOFRENE/FT LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
CONDITION	<u>LOCATION I</u>	<u>LOCATION 2</u>	<u>SEVEKITI</u>	<u>MEASUKEMENI</u>	<u>COMMENT</u>
BENT-2	39 FT 0 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
<u>ASSOCIATED COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE	H-PILE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
BENT-3	39 FT 0 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
FOOTING	REINFORCED CONCRETE	H-PILE			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
CONDITION	<u> Locarion I</u>	DO CALLOTT E	SD, DIIII	THE THE CHEMICAL	<u>COMMANDER</u>
DENTE A	10 FE O DI DENIGORGEO GONGRESE	MILITIDI E COLLEGO			
BENT-4	39 FT 0 IN REINFORCED CONCRETE	MULTIPLE COLUMN	CELLEDITY	ME ACUDEMENT	COMMENT
CONDITION ASSOCIATED COMPONENT	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	CUMINENT
ASSOCIATED COMPONENT	MATERIAL REINFORCED CONCRETE	CONSTRUCTION			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE	CELIEDIEN	ME (CUDE) AES	COMMENT
<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	CUMMENI
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			

Design_No = A5495

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August 08, 2023 10:47:10AM

Missouri Department of Transportation State Bridge Inspection Report CLASS: STATER

COUNTY: JACKSON	DISTRICT: KC	CLASS: STATBR	FED-ID	: 11895	BRIDGE: A5495
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE	H-PILE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT	CELEBIAN	ME AGUDELAENA	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-5	39 FT 6 IN REINFORCED CONCRETE	MULTIPLE COLUMN	an in provi	145 46455145145	COLOREDVE
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
<u>ASSOCIATED COMPONENT</u> BEAM CAP	<u>MATERIAL</u> REINFORCED CONCRETE	<u>CONSTRUCTION</u> CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
EFFLORESCENCE	· · · · · · · · · · · · · · · · · · ·	<u> </u>	LIGHT	THE IS CITED IN THE	<u>COMPARING</u>
SEALED	THROUGHOUT	A	SPHALTICBASE		
VERTICAL CRACK	S THROUGHOUT		FEW		
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE	H-PILE	CELEBIAN	ME AGUDELAENA	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING <u>CONDITION</u>	ELASTOMERIC <i>LOCATION 1</i>	LAMINATED NEOPRENE/PT <i>LOCATION 2</i>	<u>SEVERITY</u>	<i>MEASUREMENT</i>	COMMENT
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE	<u>SEVERIII</u>	MEASUREMENT	COMMENT
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
<u> </u>	<u> </u>	<u> </u>	SE, ERIT	THE IS CITED IN THE	<u>COMPARING</u>
BENT-6	39 FT 6 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION	BH HIII	THE IS CITED IN THE	<u>COMPARING</u>
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE	H-PILE			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT	CELEDITY	ME ACUDEMENT	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DDV/F 5	AS EST. A D	LAW TIPLE COLLING			
BENT-7 CONDITION	39 FT 0 IN REINFORCED CONCRETE LOCATION 1	MULTIPLE COLUMN LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
ASSOCIATED COMPONENT	<u>LOCATION I</u> <u>MATERIAL</u>	<u>CONSTRUCTION</u>	<u>SEVERIII</u>	MEASUREMENT	COMMENT
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	<u>MEASUREMENT</u>	COMMENT
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE	H-PILE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT	~		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-8	39 FT 0 IN REINFORCED CONCRETE	MULTIPLE COLUMN	OFI/FRIEN	14B 464BB35555	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
<u>ASSOCIATED COMPONENT</u> BEAM CAP	<u>MATERIAL</u> REINFORCED CONCRETE	<u>CONSTRUCTION</u> CAST-IN-PLACE			
DEAW CAF	REINFORGED CONCRETE	CAST-IN-T LACE			

COUNTY: JACKSON	DISTRICT: KC	CLASS: STATBR	FED-ID): 11895	BRIDGE: A5495
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
VERTICAL CRACKS	BOTTOM	THROUGHOUT	FEW		
FOOTING	REINFORCED CONCRETE	SPREAD			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-9 3:	9 FT 0 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
CONDITION	<u>LOCATION 1</u>	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	<u>LOCATION 1</u>	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
FOOTING	REINFORCED CONCRETE	SPREAD			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
<u></u>	<u>20 0.11101+1</u>	<u>=====================================</u>	<u> </u>		
DENT 10	0 ET 4 IN DEINEARCED CONCRETE	MILLTIDLE COLLINAL			
BENT-10 39	9 FT 6 IN REINFORCED CONCRETE	MULTIPLE COLUMN	CEI/EDITV	MEACHDEMENT	COMMENT
	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
ASSOCIATED COMPONENT	MATERIAL DEDUCAD CONCRETE	CONSTRUCTION CAST IN DIAGE			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE	CEVEDITY	MEAGUDEMENT	COMMENT
<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE	CELEBITY	ME ACUDEMENT	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
FOOTING	REINFORCED CONCRETE	SPREAD	CELEBITY	ME ACUDEMENT	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT	CELEBIAN	ME ACUDEMENT	
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
	9 FT 6 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EFFLORESCENCE	THROUGHOUT		LIGHT		
SEALED	THROUGHOUT	A	ASPHALTICBASE		
VERTICAL CRACKS	THROUGHOUT		FEW		
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE	GEL /ED	140 40445	
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DELAMINATION	THROUGHOUT	ann	FEW		
FOOTING	REINFORCED CONCRETE	SPREAD	ani en en	140 4040000000000	
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT	ABI (55 - 55 - 5	160 16000000000	
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>

August 08, 2023 10:47:10AM

Missouri Department of Transportation State Bridge Inspection Report

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11895 BRIDGE: A5495

COUNTY: JACKSON	DISTRICT: KC	CLASS: STATBR	FED-II	D: 11895	BRIDGE: A5495
BENT-12	39 FT 6 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
CONDITION	LOCATION 1	<u>LOCATION 2</u>	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	<u>CONSTRUCTION</u>			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
VERTICAL CRACK		<u> 20 0/11101+2</u>	FEW	MENIGORE MENIE	<u>COMPARING</u>
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE	I L VV		
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
FOOTING	REINFORCED CONCRETE	SPREAD	SEVERITI	MEMBURENT	COMMENT
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
	<u></u>		SEVERITI	MEASUREMENT	COMMENT
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT	CELEDITY	MEAGUDEMENT	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-13	<i>39 FT 0 IN REINFORCED CONCRETE</i>	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	LOCATION 1	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE	SPREAD			
CONDITION	LOCATION 1	<u>LOCATION 2</u>	SEVERITY	MEASUREMENT	COMMENT
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	<u>COMMENT</u>
	<u> </u>				
DENTE 14	10 FT 0 N PENEODOED CONODETE				
BENT-14	39 FT 0 IN REINFORCED CONCRETE	MULTIPLE COLUMN	CELEBITY	ME ACUDEMENT	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	MATERIAL CONTRACTOR	CONSTRUCTION			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE	and an interest	145 464 551 551 451 451	COLGENIA
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE	SPREAD			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-15	39 FT 0 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE	<u> </u>		<u>CONTINUE TO THE PROPERTY OF T</u>
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
FOOTING	REINFORCED CONCRETE	SPREAD	SL, LIII I	MEMBERT	COMMENT
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
	ELASTOMERIC		SLI EKII I	MLASUKEMENI	COMMENT.
EXPANSION BEARING		LAMINATED NEOPRENE/PT	CEI/EDITV	MEACHDEMENT	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-16	39 FT 6 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
Design_No = A5495					

MODOT

August 08, 2023 10:47:10AM

Missouri Department of Transportation State Bridge Inspection Report

COUNT	Y: JACKSON	DISTRICT: KC	CLASS: STATBR	FED-ID	: 11895	BRIDGE: A5495
<u>ASSOCIATED (</u>	<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
COLUMN		REINFORCED CONCRETE	CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING		REINFORCED CONCRETE	SPREAD			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BI		ELASTOMERIC	LAMINATED NEOPRENE/PT			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ABUTMENT-17		1 FT 6 IN REINFORCED CONCRETE	NON-INTEGRAL			
	CONDITION	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	EFFLORESCENCE	BACKWALL		FEW		
	/ERTICAL CRACKS	BACKWALL		FEW		
<u>ASSOCIATED (</u>	<u>COMPONENT</u>	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
BEAM CAP		REINFORCED CONCRETE	CAST-IN-PLACE			
	<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	FIRE DAMAGE	THROUGHOUT		MODERATE		
	SEALED	THROUGHOUT	F	ASPHALTICBASE		
NH DIG	SPALLS	RANDOM	H CHADE	MODERATE		
PILING	CONDITION	STEEL	H-SHAPE	CEVEDITY	MEAGUDEMENT	COMMENT
DEADMANAN	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DEADMAN AN		STEEL LOCATION I	ROD	CELEDITY	MEAGUDEMENT	COLORENT
THINNED DAG	<u>CONDITION</u>	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
TURNED BACK		REINFORCED CONCRETE	CAST-IN-PLACE	CEI/EDITY	MEACHDEMENT	COMMENT
WING DILEC	<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
WING PILES	CONDITION	STEEL <i>LOCATION 1</i>	H-SHAPE <i>LOCATION 2</i>	CEI/EDITV	MEACHDEMENT	COMMENT
EVDANCION DI				<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BI	EARING CONDITION	ELASTOMERIC <i>LOCATION 1</i>	LAMINATED NEOPRENE/PT <i>LOCATION 2</i>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
BACKWALL	CUNDITION	REINFORCED CONCRETE	CAST-IN-PLACE	<u>SEVERIII</u>	MEASUREMENT	<u>COMMENT</u>
DACKWALL	CONDITION	REINFORCED CONCRETE LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
,	EFFLORESCENCE	THROUGHOUT	LOCATION 2	LIGHT	MEASUREMENT	COMMENT
-	FIRE DAMAGE	THROUGHOUT		MODERATE		
	SEALED	THROUGHOUT	,	ASPHALTICBASE		
	SPALLS	RANDOM	1	LARGE		
l v	ERTICAL CRACKS	THROUGHOUT		FEW		

OVER/UNDER ROUTES CLEARANCE INFORMATION

**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance.

CLEARANCES OVER DECK
VERTICAL CLEARANCE TYPE**

VALUE

DIRECTION

DATE

COMMENT

August 08, 2023 10:47:10AM

CLASS: STATBR COUNTY: JACKSON DISTRICT: KC FED-ID: 11895 **BRIDGE: A5495**

CLEARANCES UNDER BRIDGE

MODOT

RECORD #

ROUTE UP RR

DIRECTION OF TRAFFIC

**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance. RIGHT LATERAL CLEARANCE

29 FT 4 IN

UR-ID

25417

DEPARTMENT REPAINT

MANUFACTURE:

SURFACE PREP:

LEFT LATERAL CLEARANCE

VERTICAL CLEARANCE TYPE CONVERTED**

VALUE 23 FT 0 IN

LANES

DIRECTION

DATE

COMMENT

STRUCTURE PAINT INFORMATION

CONDITION: RUST AMOUNT: STEEL TONS:

> **ORIGINAL PAINT CONTRACT REPAINT**

PAINT TYPE: PAINT TYPE: NAME: NAME:

PAINT COLOR: PAINT COLOR: PAINT YEAR: PAINT YEAR:

MILS:

ROADWAY SURFACE

PAINT TYPE: NAME:

PAINT COLOR: PAINT YEAR: MILS: MILS:

REQUESTED WORK ITEMS

01/05/2021

GENERAL WORK COMMENTS:

DISTRICT SPECIAL

LOCATION PRIORITY DATE RESPONSIBILITY **ITEM CATEGORY WORK ITEM COMMENT** DISTRICT ROUTINE SLOPE CUT BRSH&TREES SPAYVINES SLOPE 06/07/2017 2

SEAL WITH SILANE

UTILITY ATTACHMENTS

2

UTILITY OWNER METHOD MEASUREMENT TYPE UTILITY ATTACHMENT COMMENT **VALUE NUMBER**

DECK

PROGRAM NOTES INFORMATION

PROJECT# **MONTH LET** YEAR LET **ITEMS COMMENT YEAR**



August 08, 2023 10:47:10AM

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11895 BRIDGE: A5495

COUNTY:	JACKSON DISTRICT: KC	CLASS: STATBR	FED-ID: 11895	BRIDGE: A5495		
COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS				***ADVANCED SI	GN INFORMATION*	**
NOTE: The items listed in this section	on are updated whenever computer edits are ran on a struc	ture after the inspection updates have been entered in to TMS.	SIGN#	SIGN TYPE	PROBLEM	PROBLEM DIRECTION
Rated Item	<u>Rating</u>	Rating Date	1			
[Item 67] Structure Evaluation Rati	ng: 6-EQ TO PRESENT MIN CRITR	5/2/2019				
[Item 68] Deck Geometry Rating:	6-EQ TO PRESENT MIN CRITR	3/20/2002				
[Item 69] Underclearance:	8-EQ TO PRESENT DESIRAB	3/20/2002				
Sufficiency Rating:	99.5%	3/2/2023				
Deficiency:	NOT DEFICIENT	5/18/2001				
Funding Eligibility:				***OUTFALL INSPEC	CTION INFORMATIO	N***
Estimated New Structure Length:						·
Estimated Structure Cost:			# OUTFALLS:	INSPI	ECTOR:	
Estimated Total Project Cost:			STATUS:		DATE:	
Year of Cost Estimate:			NOTES:			
NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.						



July 20, 2023 10:38:11AM

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11931 BRIDGE: A5496

GENERAL STRUCTURE INFORMATION ***BRIDGE INSPECTION INFORMATION*** ROUTE: MO150W # **SPANS**: 16 PLACE CODE: 38000 KANSAS CITY CITY **DATE:** 05/03/2023 **RESPONSIBILITY: BRIDGEDIV** LANES ON: 2 FEATURE: BLUE RVR, UP RR **LENGTH:** 1,613 FT 0 IN FREQUENCY: 24 **CALCULATED INTERVAL**: 23** LANES UNDER: 0 STATUS: A-OPEN MAXIMUM SPAN: 110 FT 0 IN **TEAM LEADER: STEVE HULBERT ELEMENT:** YES **LOG MILE: 24.354 COMPASS DIRECTION: NORTH to SOUTH** APPROACH ROADWAY: 40 FT 0 IN **INSPECTOR 2:** DUSTIN PIERCE (NTLQ) **INSPECTOR 4: DETOUR:** 1.00 MILES **DIRECTION OF TRAFFIC: 1-WAY TRAF** CURB TO CURB: 38 FT 10 IN **INSPECTOR 3:** NHS: YES **FUNCTIONAL CLASS: UR-FREEWAY OUT TO OUT:** 41 FT 6 IN ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. **BUILT:** 1999 **NBI OWNER: MODOT AADT:** 11351 **GENERAL INSPECTION COMMENTS** REHAB: **NBI MAINTAINED: MODOT AADT YEAR: 2022** MAINTENANCE DISTRICT: KC LOCATION: S 30 T 47 R 33 W **AADT TRUCK:** 4.0% **LATITUDE:** 38 52 11.84 (DMS) **MAINTENANCE COUNTY: JACKSON FUTURE AADT: 15324 LONGITUDE:** 94 36 5.55 (DMS) SUB AREA: 7C03 **FUTURE AADT YEAR: 2042** ***INDEPTH INSPECTION INFORMATION*** ***FRACTURE CRITICAL INSPECTION INFORMATION*** DATE: RESPONSIBILITY: **CATEGORY: CATEGORY:** DATE: **RESPONSIBILITY: FREQUENCY: CALCULATED INTERVAL**: NBI**: **FREQUENCY: CALCULATED INTERVAL**: NBI**: **TEAM LEADER: INSPECTOR 3: METHOD: TEAM LEADER: INSPECTOR 3: METHOD: INSPECTOR 2: INSPECTOR 4: INSPECTOR 2: INSPECTOR 4:** ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. FRACTURE CRITICAL INSPECTION COMMENTS **INDEPTH INSPECTION COMMENTS** ***SPECIAL INSPECTION INFORMATION*** ***UNDERWATER INSPECTION INFORMATION*** **DATE:** 05/03/2023 **CATEGORY:** CHANNEL CROSS SECT **CATEGORY: DRY RESPONSIBILITY: DISTRICT DATE:** 05/03/2023 **RESPONSIBILITY: BRIDGEDIV** FREOUENCY: 60 NBI: NO FREOUENCY: 72 CALCULATED INTERVAL**: 93 **NBI:** NO CALCULATED INTERVAL**: 23 **TEAM LEADER: STEVE HULBERT** TEAM LEADER: STEVE HULBERT **INSPECTOR 3: METHOD:** WT TAPE **INSPECTOR 3: METHOD:** VISUAL **INSPECTOR 2: INSPECTOR 4: INSPECTOR 2:** DUSTIN PIERCE (NTLQ) **INSPECTOR 4:** ** When calculated interval exceeds the frequency, a justification comment per BIRM is required. * When calculated interval exceeds the frequency, a justification comment per BIRM is required. SPECIAL INSPECTION COMMENTS **UNDERWATER INSPECTION COMMENTS** OTHER SPECIAL INSPECTIONS OTHER UNDERWATER INSPECTIONS **DATE FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD** DATE **FREQUENCY CATEGORY** NBI CALCULATED INTERVAL RESPONSIBILITY **METHOD**



July 20, 2023 10:38:11AM

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11931 BRIDGE: A5496

STRUCTURE POSTING **APPROVED CATEGORY: S-1** NO POSTING REQUIRED **Ton 1: Ton 2: Ton 3: COMMENTS:** FIELD CATEGORY: S-1 NO POSTING REQUIRED PROBLEM: PROBLEM DIRECTION: **Ton 1: Ton 2: Ton 3: COMMENTS:** ***GENERAL COMMENTS/MAJOR RATED ITEMS*** GENERAL COMMENTS: (HAGEMD1, 06/04/2015)--(65'-90'-84'-84') P/S CONC I-GIRDER SPANS (6@110')(5@110'-78') P/S BULB-TEE SPANS [ITEM 58] DECK: 6-SATISFACTORY CONDITION COMMENTS: (MADSEJ, 05/03/2019)--EXCESSIVE FINE MAP CRACKS THROUGHOUT THE DECK SURFACE. **RATING:** 05/02/2019 [ITEM 59] SUPER: 6-SATISFACTORY CONDITION COMMENTS: (MADSEJ, 06/07/2017)--AN 11" FINE VERTICAL CRACK ON THE SPAN 14 GIRDER 3 TOP FLANGE. **RATING:** 07/06/2017 [ITEM 60] SUB: 5-FAIR CONDITION COMMENTS: (MADSEJ, 05/03/2019)--EROSION OR SETTLEMENT HAS EXPOSED THE EAST SIDE OF THE SOUTH ABUTMENT PILES WITH PACKRUST AND MINOR SECTION LOSS ON THE EXPOSED PILES AT THE BEAMCAP. **RATING:** 07/06/2017 [ITEM 61] BANK/CHANNEL: 5-MAJOR DAMAGE COMMENTS: (MADSEJ, 06/08/2021)--POOR UPSTREAM ALIGNMENT. STEEP ERODING BANKS THROUGHOUT THE CHANNEL. DEBRIS AND VEGETATION GROWING IN THE DOWNSTREAM CHANNEL IS SLIGHTLY RESTRICTING FLOW. **RATING:** 06/07/2017 [ITEM 113] SCOUR: 8-STABLE FOR CALCULATED COMMENTS: (MADSEJ, 06/07/2017)--MODERATE BANK EROSION/SCOUR AROUND THE BENT 8 COLUMNS. **RATING:** 05/18/2001 **EVALUATION TYPE:** [ITEM 71] WATERWAY ADEQUACY: ABOVE FLOOD ELEVATIONS **COMMENTS: RATING:** 05/18/2001 [ITEM 72] APPRRDWY ALIGNMENT: 8-VERYGOOD **COMMENTS: RATING:** 05/18/2001 ***RAILING AND APPROACH PAVEMENT COMPONENTS AND RATINGS*** [ITEM 36A] BRIDGE RAILING RATING: MEETS CURRENT STANDARDS-1 **RATING:** 05/18/2001 **COMMENTS: MATERIAL CONSTRUCTION DIRECTION COMMENTS** REINFORCED CONCRETE SAFETY BARRIER CURB **BOTH CONDITION** LOCATION 1 LOCATION 2 **SEVERITY COMMENT THROUGHOUT** MANY VERTICAL CRACKS [ITEM 36B] TRANSITION RAILING RATING: MEETS CURRENT STANDARDS-1 **RATING:** 05/18/2001 **COMMENTS:** MATERIAL **CONSTRUCTION DIRECTION COMMENTS** GALVANIZED STEEL THRIE BEAM TO W-BEAM **BOTH-NORTH GALVANIZED STEEL SOUTHWEST** THRIE BEAM TO W-BEAM [ITEM 36C] APPROACH RAILING RATING: MEETS CURRENT STANDARDS-1 **RATING:** 05/18/2001 **COMMENTS:**

MODOT

Missouri Department of Transportation State Bridge Inspection Report

July 20, 2023 10:38:11AM

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11931 **BRIDGE: A5496**

MATERIAL

CONSTRUCTION

COMMENTS

GALVANIZED STEEL

W-BEAM

DIRECTION **BOTH-NORTH**

GALVANIZED STEEL

W-BEAM

SOUTHWEST

[ITEM 36D] RAIL END TREATMENT RATING: MEETS CURRENT STANDARDS-1

CONSTRUCTION

RATING: 05/18/2001

COMMENTS:

MATERIAL GALVANIZED STEEL

BREKAWAY SYSTEM

DIRECTION BOTH-NORTH **COMMENTS**

APPROACH PAVEMENT: *Overall condition assigned for each approach pavemenet component is shown below.

MATERIAL

CONSTRUCTION

DIRECTION

BOTH

CONDITION*

COMMENTS

REINFORCED CONCRETE **CONDITION**

LONGITUDINAL CRACKS

TIED SLAB LOCATION 1

POOR LOCATION 2

SEVERITY

MANY

DRAINAGE, EXPANSION DEVICES, BANK/SLOPE, AND DECK PROTECTIVE COMPONENTS **DECK PROTECTIVE COMPONENTS:**

SERIES TYPE-# APPROACH SERIES-1

COMPONENT WEARING SURFACE

MATERIAL PLAIN CONCRETE

THROUGHOUT

CONSTRUCTION *MONOLITHIC*

THICKNESS

YEAR APPLIED

COMMENT

MANUFACTURE

OVERALL CONDITION

COMMENT:

DECK PROTECTION

EPOXY POLYMER

COATED REBAR

COMMENT:

MEMBRANE

NOTAPPLICABLE

NONE

COMMENT:

SECONDARY DECK PROTECTION

LIQUID SEALANT

INTERNALLY SEALED

PAVON INDECK

COMMENT:

MAIN SERIES-2

WEARING SURFACE

PLAIN CONCRETE

MONOLITHIC

COMMENT:

DECK PROTECTION

EPOXY POLYMER

COATED REBAR

COMMENT:

MEMBRANE

NOTAPPLICABLE

NONE

COMMENT:

MAIN SERIES-3

DECK PROTECTION

EPOXY POLYMER

COATED REBAR

COMMENT:

MEMBRANE

NOTAPPLICABLE

NONE

COMMENT:

DRAINAGE COMPONENTS:

Design No = A5496 and StructureStateBridgeType = STATE SYSTEM BRIDGE



July 20, 2023 10:38:11AM

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11931 **BRIDGE: A5496**

COMPONENT **MATERIAL DRAINAGE**

GALVANIZED STEEL

DIRECTION COMMENTS

DRAINAGE

CONSTRUCTION FLOOR DRAIN

GEOTEXTILE FABRIC VERTICAL DRAIN-END BENT

EXPANSION DEVICE COMPONENTS:

SUB UNIT-# SUB LABEL **COMPONENT** MATERIAL **CONSTRUCTION** GAPYEAR APPLIED **MANUFACTURE OVERALL CONDITION** BENT-5 OPEN EXPANSION JOINT STEELFINGER PLATE GOOD

COMMENT:

BENT-11 OPEN EXPANSION JOINT STEEL FINGER PLATE GOOD

COMMENT:

ABUTMENT-17 CLOSED EXPANSION JOINT STEEL FLAT PLATE **FAIR**

COMMENT:

BANK/SLOPE PROTECTION COMPONENTS:

COMPONENT MATERIAL CONSTRUCTION DIRECTION COMMENTS BOTH

ROCK BANK PROTECTION BLANKET

DECK COMPONENTS

SPAN TYPE-# **COMPONENT MATERIAL CONSTRUCTION COMMENTS** APPROACH SPANS-1 DECKREINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS

CONDITION LOCATION 1 LOCATION 2 <u>SEVERITY</u> **MEASUREMENT COMMENT** LONGITUDINAL CRACKS THROUGHOUT **FEW**

MAP CRACKS **THROUGHOUT FINE FEW** AT JOINTS SPALLS

(HULBES1, 05/03/2023)--DRIVING SURFACE TRANSVERSE CRACKS THROUGHOUT **FEW**

APPROACH SPANS-2 DECKREINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS

CONDITION LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT**

LONGITUDINAL CRACKS THROUGHOUT **FEW** THROUGHOUT **FINE**

MAP CRACKS TRANSVERSE CRACKS THROUGHOUT **FEW**

APPROACH SPANS-3 DECKREINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS

THROUGHOUT

CONDITION LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT**

LONGITUDINAL CRACKS THROUGHOUT **FEW** MAP CRACKS THROUGHOUT **FINE**

APPROACH SPANS-4 DECKCAST-IN-PLACE-P/C FORMS REINFORCED CONCRETE **CONDITION** LOCATION 1 **SEVERITY** LOCATION 2 **MEASUREMENT COMMENT**

LONGITUDINAL CRACKS THROUGHOUT **FEW FINE** MAP CRACKS THROUGHOUT TRANSVERSE CRACKS **FEW** THROUGHOUT

Design No = A5496 and StructureStateBridgeType = STATE SYSTEM BRIDGE

TRANSVERSE CRACKS

FEW

July 20, 2023 10:38:11AM

COUNTY: JACKSON	DISTRICT: KC	CLASS: STATBR	FED-ID: 11931	BRIDGE: A5496
MAIN SPANS-5 DECK <u>CONDITION</u> LONGITUDINAL CRACKS MAP CRACKS TRANSVERSE CRACKS	REINFORCED CONCRETE LOCATION 1 THROUGHOUT THROUGHOUT THROUGHOUT	CAST-IN-PLACE-P/C FORMS LOCATION 2 FEW FINE FEW	<u>MEASUREMENT</u> <u>COMMENT</u>	
MAIN SPANS-6 DECK <u>CONDITION</u> LONGITUDINAL CRACKS MAP CRACKS TRANSVERSE CRACKS	REINFORCED CONCRETE LOCATION 1 THROUGHOUT THROUGHOUT THROUGHOUT	CAST-IN-PLACE-P/C FORMS LOCATION 2 FEW FINE FEW	<u>MEASUREMENT</u> <u>COMMENT</u>	
MAIN SPANS-7 DECK <u>CONDITION</u> LONGITUDINAL CRACKS MAP CRACKS TRANSVERSE CRACKS	REINFORCED CONCRETE LOCATION 1 THROUGHOUT THROUGHOUT THROUGHOUT	CAST-IN-PLACE-P/C FORMS LOCATION 2 FEW FINE FEW	<u>MEASUREMENT</u> <u>COMMENT</u>	
MAIN SPANS-8 DECK <u>CONDITION</u> LONGITUDINAL CRACKS MAP CRACKS TRANSVERSE CRACKS	REINFORCED CONCRETE LOCATION 1 THROUGHOUT THROUGHOUT THROUGHOUT	CAST-IN-PLACE-P/C FORMS LOCATION 2 FEW FINE FEW	<u>MEASUREMENT</u> <u>COMMENT</u>	
MAIN SPANS-9 DECK <u>CONDITION</u> LONGITUDINAL CRACKS MAP CRACKS TRANSVERSE CRACKS	REINFORCED CONCRETE LOCATION 1 THROUGHOUT THROUGHOUT THROUGHOUT	CAST-IN-PLACE-P/C FORMS LOCATION 2 FEW FINE FEW	<u>MEASUREMENT</u> <u>COMMENT</u>	
MAIN SPANS-10 DECK <u>CONDITION</u> LONGITUDINAL CRACKS MAP CRACKS TRANSVERSE CRACKS	REINFORCED CONCRETE LOCATION 1 THROUGHOUT THROUGHOUT THROUGHOUT	CAST-IN-PLACE-P/C FORMS LOCATION 2 FEW FINE FEW	<u>MEASUREMENT</u> <u>COMMENT</u>	
MAIN SPANS-11 DECK <u>CONDITION</u> LONGITUDINAL CRACKS MAP CRACKS TRANSVERSE CRACKS	REINFORCED CONCRETE LOCATION 1 THROUGHOUT THROUGHOUT THROUGHOUT	CAST-IN-PLACE-P/C FORMS LOCATION 2 FEW FINE FEW	<u>MEASUREMENT</u> <u>COMMENT</u>	
MAIN SPANS-12 DECK <u>CONDITION</u> LONGITUDINAL CRACKS MAP CRACKS TRANSVERSE CRACKS	REINFORCED CONCRETE LOCATION 1 THROUGHOUT THROUGHOUT THROUGHOUT	CAST-IN-PLACE-P/C FORMS LOCATION 2 FEW FINE FEW	<u>MEASUREMENT</u> <u>COMMENT</u>	

July 20, 2023 10:38:11AM

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11931 BRIDGE: A5496

MAIN SPANS-13 DECKREINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT** LONGITUDINAL CRACKS THROUGHOUT **FEW** THROUGHOUT **FINE** MAP CRACKS TRANSVERSE CRACKS THROUGHOUT **FEW** MAIN SPANS-14 DECKREINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS **CONDITION** LOCATION 2 LOCATION 1 SEVERITY **MEASUREMENT COMMENT** LONGITUDINAL CRACKS THROUGHOUT FEW MAP CRACKS THROUGHOUT FINE TRANSVERSE CRACKS **FEW** THROUGHOUT MAIN SPANS-15 DECKCAST-IN-PLACE-P/C FORMS REINFORCED CONCRETE **CONDITION** SEVERITY **MEASUREMENT** LOCATION 1 LOCATION 2 **COMMENT** LONGITUDINAL CRACKS THROUGHOUT **FEW** THROUGHOUT **FINE** MAP CRACKS **FEW** TRANSVERSE CRACKS THROUGHOUT DECKMAIN SPANS-16 REINFORCED CONCRETE CAST-IN-PLACE-P/C FORMS **CONDITION** LOCATION 1 SEVERITY **MEASUREMENT** LOCATION 2 **COMMENT** FEW LONGITUDINAL CRACKS THROUGHOUT THROUGHOUT **FINE** MAP CRACKS **FEW** TRANSVERSE CRACKS THROUGHOUT ***SUPERSTRUCTURE COMPONENTS*** <u>LABEL</u> SERIES TYPE-# SPAN TYPE MATERIAL CONSTRUCTION **COMMENTS** APPROACH SERIES-1 CONTINUOUS SPAN PRESTRESSED CONCRETE *I-GIRDERS* **WEATHERING STEEL COMPOSITE INDICATOR LENGTH COMMENTS SPAN** APPROACH SPANS-1 65 FT 4 IN **COMPOSITE CONDITION LOCATION 1** LOCATION 2 **SEVERITY MEASUREMENT COMMENT EFFLORESCENCE** GIRDER ENCASEMENT LIGHT **APPROACH SPANS-2** COMPOSITE 90 FT 0 IN NO **CONDITION LOCATION 1** LOCATION 2 SEVERITY **MEASUREMENT COMMENT APPROACH SPANS-3** COMPOSITE 84 FT 0 IN NO LOCATION 2 **SEVERITY CONDITION** LOCATION 1 **MEASUREMENT COMMENT** APPROACH SPANS-4 COMPOSITE 84 FT 0 IN NO LOCATION 2 **SEVERITY CONDITION LOCATION 1 MEASUREMENT COMMENT** MAIN SERIES-2 PRESTRESSED CONCRETE BULB TEES CONTINUOUS SPAN **WEATHERING STEEL** <u>SPAN</u> **COMPOSITE INDICATOR LENGTH COMMENTS** 110 FT 0 IN MAIN SPANS-5 **COMPOSITE** NO **CONDITION** LOCATION 1 **LOCATION 2 SEVERITY** *MEASUREMENT* **COMMENT**

 $Design_No = A5496 \ and \ Structure State Bridge Type = STATE \ SYSTEM \ BRIDGE$

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11931 **BRIDGE: A5496** COMPOSITE 110 FT 0 IN MAIN SPANS-6 **SEVERITY CONDITION** LOCATION 1 LOCATION 2 **MEASUREMENT COMMENT** COMPOSITE MAIN SPANS-7 110 FT 0 IN NO **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT** MAIN SPANS-8 COMPOSITE 110 FT 0 IN NO **CONDITION** LOCATION 1 LOCATION 2 SEVERITY **MEASUREMENT COMMENT** MAIN SPANS-9 COMPOSITE 110 FT 0 IN **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** *MEASUREMENT* **COMMENT** MAIN SPANS-10 COMPOSITE 110 FT 0 IN NO **CONDITION LOCATION 1** LOCATION 2 **SEVERITY MEASUREMENT COMMENT SPALLS FEW** GDR2 **MAIN SERIES-3** CONTINUOUS SPAN PRESTRESSED CONCRETE **BULB TEES COMPOSITE INDICATOR WEATHERING STEEL COMMENTS LENGTH SPAN** MAIN SPANS-11 **COMPOSITE** 110 FT 0 IN **CONDITION** LOCATION 1 **LOCATION 2** SEVERITY **MEASUREMENT COMMENT** MAIN SPANS-12 COMPOSITE 110 FT 0 IN **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT** MAIN SPANS-13 COMPOSITE 110 FT 0 IN NO **CONDITION LOCATION 1** LOCATION 2 **SEVERITY MEASUREMENT COMMENT** MAIN SPANS-14 COMPOSITE 110 FT 0 IN NO **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT** RANDOM TRANSVERSE CRACKS FEW VERTICAL CRACKS **TOP FLANGE FINE** 11 INCH (MADSEJ, 06/07/2017)--WEST SIDE GIRDER 3 AT MIDSPAN. MAIN SPANS-15 COMPOSITE 110 FT 0 IN NO **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY MEASUREMENT COMMENT** MAIN SPANS-16 NO COMPOSITE 79 FT 4 IN **SEVERITY CONDITION** LOCATION 1 **LOCATION 2 MEASUREMENT COMMENT** ***SUBSTRUCTURE COMPONENTS*** **SUBSTRUCTURE SKEW LENGTH MATERIAL** CONSTRUCTION LABEL **COMMENTS** ABUTMENT-1 41 FT 6 IN REINFORCED CONCRETE INTEGRAL **CONDITION** LOCATION 2 **SEVERITY LOCATION 1** MEASUREMENT COMMENT ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1** LOCATION 2 **SEVERITY MEASUREMENT COMMENT** STEEL PILING H-SHAPE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT**

Design_No = A5496 and StructureStateBridgeType = STATE SYSTEM BRIDGE

MODOT

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11931 BRIDGE: A5496 STEEL **DEADMAN ANCHORS** ROD **CONDITION LOCATION 1** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT TURNED BACK WINGS REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT WING PILES STEEL H-SHAPE **CONDITION LOCATION 1 LOCATION 2 SEVERITY** <u>MEASUREMENT</u> <u>COMMENT</u> **EXPANSION BEARING** ELASTOMERIC LAMINATED NEOPRENE/PT **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT** BENT-2 REINFORCED CONCRETE MULTIPLE COLUMN 39 FT 0 IN **CONDITION LOCATION 1** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 2 LOCATION 1 SEVERITY** <u>MEASUREMENT</u> **COMMENT** REINFORCED CONCRETE COLUMN **CAST-IN-PLACE CONDITION LOCATION 2 SEVERITY** COMMENT **LOCATION 1** MEASUREMENT **FOOTING** REINFORCED CONCRETE H-PILE **CONDITION LOCATION 1** LOCATION 2 **SEVERITY** *MEASUREMENT* **COMMENT EXPANSION BEARING** ELASTOMERIC LAMINATED NEOPRENE/PT **CONDITION LOCATION 1** LOCATION 2 **SEVERITY MEASUREMENT COMMENT** BENT-3 39 FT 0 IN REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** *MEASUREMENT* **COMMENT** ASSOCIATED COMPONENT **CONSTRUCTION MATERIAL** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 2 LOCATION 1 **SEVERITY** MEASUREMENT **COMMENT** COLUMN REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 2 **SEVERITY COMMENT LOCATION 1** MEASUREMENT **FOOTING** REINFORCED CONCRETE H-PILE **CONDITION** LOCATION 2 **SEVERITY** LOCATION 1 MEASUREMENT **COMMENT EXPANSION BEARING ELASTOMERIC** LAMINATED NEOPRENE/PT **CONDITION** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **LOCATION 1** BENT-4 MULTIPLE COLUMN 39 FT 0 IN REINFORCED CONCRETE LOCATION 1 **CONDITION LOCATION 2 SEVERITY** MEASUREMENT COMMENT ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** REINFORCED CONCRETE BEAM CAP CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT** REINFORCED CONCRETE COLUMN **CAST-IN-PLACE CONDITION** LOCATION 2 **SEVERITY COMMENT LOCATION 1** MEASUREMENT **FOOTING** REINFORCED CONCRETE H-PILE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT EXPANSION BEARING** ELASTOMERIC LAMINATED NEOPRENE/PT **CONDITION** LOCATION 1 LOCATION 2 MEASUREMENT COMMENT **SEVERITY** BENT-5 REINFORCED CONCRETE MULTIPLE COLUMN 39 FT 6 IN **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT **COMMENT** ASSOCIATED COMPONENT **CONSTRUCTION MATERIAL** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT COMMENT **EFFLORESCENCE** THROUGHOUT LIGHT

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July 20, 2023 10:38:11AM

COUNTY: JACKSON	DISTRICT: KC	CLASS: STATBR	_	D: 11931	BRIDGE: A5496
SEALED	THROUGHOUT	A	ASPHALTICBASE		
VERTICAL CRACK			FEW		
CONDITION	REINFORCED CONCRETE	CAST-IN-PLACE	CEVEDITY	ME ACUDEMENT	COMMENT
<u>CONDITION</u> DELAMINATION	<u>LOCATION 1</u> GROUND LINE	<u>LOCATION 2</u>	<u>SEVERITY</u> LARGE	<u>MEASUREMENT</u>	<u>COMMENT</u>
HIGH STEEL SPALI			FEW		
FOOTING	REINFORCED CONCRETE	H-PILE	12,,		
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE	CELEBIAN	ME ACUDEMENT	COMMENT
<u>CONDITION</u>	LOCATION 1	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
RUSTING	THROUGHOUT		LIGHT		
BENT-6	39 FT 6 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
CONDITION	LOCATION 1	LOCATION 2	SEVERITY	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE	H-PILE <i>LOCATION 2</i>	CEVEDITY	ME ASUDEMENT	COMMENT
<u>CONDITION</u> EXPANSION BEARING	<u>LOCATION 1</u> ELASTOMERIC	LOCATION 2 LAMINATED NEOPRENE/PT	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
<u> </u>	<u> 200:M10:+1</u>	<u>20 0:11101 (2</u>	SE, EIIII	THE CREATE THE CONTRACT OF THE	<u>comment</u>
BENT-7	39 FT 0 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
ASSOCIATED COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
CONDITION	REINFORCED CONCRETE	CAST-IN-PLACE	CELEBITY	ME ASUDEMENT	COMMENT
<u>CONDITION</u> Footing	<u>LOCATION 1</u> REINFORCED CONCRETE	<u>LOCATION 2</u> SPREAD	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
EXPOSED	TOP	<u> 200:11101+2</u>	MINOR	MENIOCIEMIEN I	<u>comment</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-8	39 FT 0 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	MATERIAL PENJEON CED CONCRETE	CONSTRUCTION CAST IN DIAGE			
BEAM CAP <u>CONDITION</u>	REINFORCED CONCRETE <u>LOCATION 1</u>	CAST-IN-PLACE <i>LOCATION 2</i>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
COLUMN COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE	SLI LKIII	MEASUREMENT	COMMENT
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
FOOTING	REINFORCED CONCRETE	SPREAD			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>

July 20, 2023 10:38:11AM

COUNTY: JACKSON	DISTRICT: KC	CLASS: STATBR	FED-ID): 11931	BRIDGE: A5496
BENT-9	39 FT 0 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	MATERIAL PENJEONGER GONGRETE	<u>CONSTRUCTION</u>			
BEAM CAP <i>Condition</i>	REINFORCED CONCRETE <u>LOCATION 1</u>	CAST-IN-PLACE <i>LOCATION 2</i>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
COLUMN COLUMN	REINFORCED CONCRETE	<u>EOCATION 2</u> CAST-IN-PLACE	<u>SEVERIII</u>	MEASUREMENT	COMMENT
COLUMN CONDITION	REINFORCED CONCRETE <u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
FOOTING	REINFORCED CONCRETE	SPREAD	<u>SEVERITT</u>	MEASUREMENT	COMMENT
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT	<u></u>		<u> </u>
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
					
BENT-10	39 FT 0 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
ASSOCIATED COMPONENT	MATERIAL	CONSTRUCTION			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
FOOTING	REINFORCED CONCRETE	SPREAD			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
BENT-11	39 FT 0 IN REINFORCED CONCRETE	MULTIPLE COLUMN			
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ASSOCIATED COMPONENT	MATERIAL	<u>CONSTRUCTION</u>			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE	CELEDITY	MEACUDEMENT	COMMENT
<u>CONDITION</u>	LOCATION 1	<u>LOCATION 2</u>	<u>SEVERITY</u> MODERATE	<u>MEASUREMENT</u>	<u>COMMENT</u>
EFFLORESCENCE SEALED	THROUGHOUT THROUGHOUT		ASPHALTICBASE		
VERTICAL CRACK			FEW		
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE	1 L W		
<u>CONDITION</u>	<u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
DELAMINATION	BOTTOM		FEW		(HULBES1, 05/03/2023)COLUMN 2
VERTICAL CRACK			FEW		
FOOTING	REINFORCED CONCRETE	SPREAD			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
RUSTING	SOLE PLATE	I AMNIATED MEODDEME	LIGHT		
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE	CEI/EDITV	MEACHDEMENT	COMMENT
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
DELVE 10	AS ET A IV. DEDVE OR GET GOVERNE	A CHARLES COLLING			
BENT-12	39 FT 0 IN REINFORCED CONCRETE	MULTIPLE COLUMN	(CI/EDITY	MEACHDEMENT	COMMENT
<u>CONDITION</u> ASSOCIATED COMPONENT	<u>LOCATION 1</u> Materiai	<u>LOCATION 2</u> CONSTRUCTION	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>CUMMENT</u>
<u>ASSOCIATED COMPONENT</u> BEAM CAP	<u>MATERIAL</u> REINFORCED CONCRETE	<u>CONSTRUCTION</u> CAST-IN-PLACE			
CONDITION	REINFORCED CONCRETE <u>LOCATION 1</u>	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
COLUMN	REINFORCED CONCRETE	CAST-IN-PLACE	SE / ERIII		<u>Volument</u>
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
<u> </u>					

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11931 BRIDGE: A5496 REINFORCED CONCRETE SPREAD FOOTING **CONDITION SEVERITY** MEASUREMENT COMMENT LOCATION 1 LOCATION 2 **EXPANSION BEARING** ELASTOMERIC LAMINATED NEOPRENE/PT **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT COMMENT BENT-13 REINFORCED CONCRETE MULTIPLE COLUMN 39 FT 0 IN LOCATION 1 **CONDITION LOCATION 2 SEVERITY** MEASUREMENT COMMENT ASSOCIATED COMPONENT **CONSTRUCTION MATERIAL** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT **COMMENT** COLUMN REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT **COMMENT FOOTING** REINFORCED CONCRETE SPREAD **CONDITION SEVERITY LOCATION 1 LOCATION 2** <u>MEASUREMENT</u> **COMMENT EXPANSION BEARING** ELASTOMERIC LAMINATED NEOPRENE/PT **CONDITION** LOCATION 2 **SEVERITY** LOCATION 1 MEASUREMENT COMMENT BENT-14 39 FT 0 IN REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION SEVERITY** LOCATION 1 LOCATION 2 MEASUREMENT COMMENT ASSOCIATED COMPONENT MATERIAL **CONSTRUCTION** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY COMMENT** MEASUREMENT REINFORCED CONCRETE COLUMN **CAST-IN-PLACE CONDITION** LOCATION 2 **SEVERITY** LOCATION 1 MEASUREMENT COMMENT **FOOTING** REINFORCED CONCRETE SPREAD **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT** LAMINATED NEOPRENE/PT **EXPANSION BEARING** ELASTOMERIC **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY COMMENT MEASUREMENT** BENT-15 39 FT 0 IN REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION** LOCATION 1 **SEVERITY LOCATION 2** MEASUREMENT COMMENT ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1 LOCATION 2 SEVERITY COMMENT** MEASUREMENT COLUMN REINFORCED CONCRETE **CAST-IN-PLACE CONDITION LOCATION 1 LOCATION 2 SEVERITY COMMENT** MEASUREMENT **FOOTING** REINFORCED CONCRETE SPREAD **CONDITION** LOCATION 1 LOCATION 2 **SEVERITY** MEASUREMENT **COMMENT EXPANSION BEARING** ELASTOMERIC LAMINATED NEOPRENE/PT **CONDITION** LOCATION 2 **SEVERITY** MEASUREMENT COMMENT **LOCATION 1** BENT-16 REINFORCED CONCRETE MULTIPLE COLUMN **CONDITION SEVERITY LOCATION 1 LOCATION 2** MEASUREMENT **COMMENT** ASSOCIATED COMPONENT **MATERIAL CONSTRUCTION** BEAM CAP REINFORCED CONCRETE CAST-IN-PLACE **CONDITION LOCATION 1** LOCATION 2 **SEVERITY** *MEASUREMENT* **COMMENT** COLUMN REINFORCED CONCRETE CAST-IN-PLACE **CONDITION** LOCATION 2 **SEVERITY LOCATION 1** MEASUREMENT **COMMENT FOOTING** REINFORCED CONCRETE SPREAD **CONDITION LOCATION 1 LOCATION 2 SEVERITY** MEASUREMENT COMMENT **EXPANSION BEARING** ELASTOMERIC LAMINATED NEOPRENE/PT

MoDOT

Missouri Department of Transportation
State Bridge Inspection Report

July 20, 2023 10:38:11AM

		State Dirage Inspection	ιτεροιτ		
COUNTY: JACKSON	DISTRICT: KC	CLASS: STATBR	FED-ID	: 11931	BRIDGE: A5496
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
ABUTMENT-17	41 FT 6 IN REINFORCED CONCRETE	NON-INTEGRAL			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	SEVERITY	MEASUREMENT	<u>COMMENT</u>
ASSOCIATED COMPONENT	<u>MATERIAL</u>	<u>CONSTRUCTION</u>			
BEAM CAP	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
EROSION	GROUND LINE		PILE EXPOSED		(MADSEJ, 05/03/2019)7 TOTAL AT EAST END
SEALED	THROUGHOUT		ASPHALTICBASE		
PILING	STEEL	H-SHAPE <i>LOCATION 2</i>	CELEDITY	MEACUDEMENT	COMMENT
<u>CONDITION</u> PACK RUST	LOCATION 1	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	COMMENT
SECTION LOSS	AT BEAM CAP AT BEAM CAP		LIGHT MINOR		
DEADMAN ANCHORS	STEEL STEEL	ROD	MINOR		
CONDITION	LOCATION 1	LOCATION 2	<u>SEVERITY</u>	MEASUREMENT	COMMENT
TURNED BACK WINGS	REINFORCED CONCRETE	CAST-IN-PLACE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
WING PILES	STEEL	H-SHAPE			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	MEASUREMENT	<u>COMMENT</u>
EXPANSION BEARING	ELASTOMERIC	LAMINATED NEOPRENE/PT			
<u>CONDITION</u>	<u>LOCATION 1</u>	<u>LOCATION 2</u>	<u>SEVERITY</u>	<u>MEASUREMENT</u>	<u>COMMENT</u>
	***	OVER/UNDER ROUTES CLEA	RANCE INFOR	MATION***	
CLEARANCES OVER DECK **1	NOTE: Vertical clearances for permitting purposes are taken as 2 in				
	VALUE DIRECTION DATE	<u>COMMENT</u>			
· Estatorial Calarina (Calarina)	<u> </u>	<u> </u>			

CLEARANCES UNDER BRIDGE

RECORD # **ROUTE** UP RR

**NOTE: Vertical clearances for permitting purposes are taken as 2 inches less than the actual field measured clearance. # LANES

DIRECTION OF TRAFFIC

RIGHT LATERAL CLEARANCE 30 FT 5 IN

LEFT LATERAL CLEARANCE

<u>UR-ID</u> 25497

VERTICAL CLEARANCE TYPE**
CONVERTED

VALUE 23 FT 0 IN

DIRECTION

DATE

COMMENT

STRUCTURE PAINT INFORMATION



July 20, 2023 10:38:11AM

COUNTY: JACKSON

DISTRICT: KC

CLASS: STATBR

FED-ID: 11931

BRIDGE: A5496

STEEL TONS: CONDITION: RUST AMOUNT: DEPARTMENT REPAINT **ORIGINAL PAINT CONTRACT REPAINT PAINT TYPE:** PAINT TYPE: **PAINT TYPE: MANUFACTURE:** NAME: NAME: **SURFACE PREP:** NAME: **PAINT COLOR: PAINT COLOR: PAINT COLOR: PAINT YEAR: PAINT YEAR: PAINT YEAR:** MILS: MILS: MILS: ***REQUESTED WORK ITEMS*** **GENERAL WORK COMMENTS: LOCATION PRIORITY DATE WORK ITEM COMMENT** RESPONSIBILITY **ITEM CATEGORY** DISTRICT SPECIAL AROUND SUBSTRUCTURE CORRECT SCOUR **CHANNEL** 05/21/2013 (RACKEM, 02/15/2012)--BT 9 DISTRICT SPECIAL **BENT** PLACE RIP-RAP CHANNEL 2 05/21/2013 DISTRICT SPECIAL **BENT-CAPS** SUBSTRUCTURE 05/21/2013 CLEAN AND SEAL **SLOPE** DISTRICT ROUTINE **CUT BRSH&TREES SPAYVINES SLOPE** 06/07/2017 DISTRICT SPECIAL SOUTH BACKFILL ABUTMENT-SLOPE **SLOPE** 06/07/2017 DISTRICT SPECIAL ROADWAY SURFACE SEAL WITH SILANE **DECK** 01/05/2021 ***UTILITY ATTACHMENTS*** UTILITY **OWNER METHOD MEASUREMENT TYPE** UTILITY ATTACHMENT COMMENT **NUMBER VALUE** ***PROGRAM NOTES INFORMATION*** **COMMENT** PROJECT# MONTH LET YEAR LET **ITEMS YEAR** ***COMPUTER GENERATED RATINGS AND DEFICIENCY ITEMS*** ***ADVANCED SIGN INFORMATION*** NOTE: The items listed in this section are updated whenever computer edits are ran on a structure after the inspection updates have been entered in to TMS. SIGN# **SIGN TYPE PROBLEM** PROBLEM DIRECTION **Rated Item** Rating **Rating Date** [Item 67] Structure Evaluation Rating: 5-BETTER THAN MINIMUM 7/28/2017 [Item 68] Deck Geometry Rating: 6-EQ TO PRESENT MIN CRITR 3/14/2002 [Item 69] Underclearance: 8-EQ TO PRESENT DESIRAB 5/18/2001 **Sufficiency Rating:** 88.4% 3/2/2023 5/18/2001 NOT DEFICIENT **Deficiency: Funding Eligibility:** ***OUTFALL INSPECTION INFORMATION*** **Estimated New Structure Length: # OUTFALLS: INSPECTOR: Estimated Structure Cost: Estimated Total Project Cost: STATUS:** DATE: **Year of Cost Estimate: NOTES:** NOTE: The above structure length and cost estimates are computer generated using algorithms in the TMS system. These algorithms are generalized to use NBI items to come up with a new structure length and width to calculate a new area which is taken times a representative cost per square foot. The actual structure size and cost may vary significantly from these numbers once site specific engineering is done.



July 20, 2023 10:38:11AM

BRIDGE: A5496

COUNTY: JACKSON DISTRICT: KC CLASS: STATBR FED-ID: 11931