

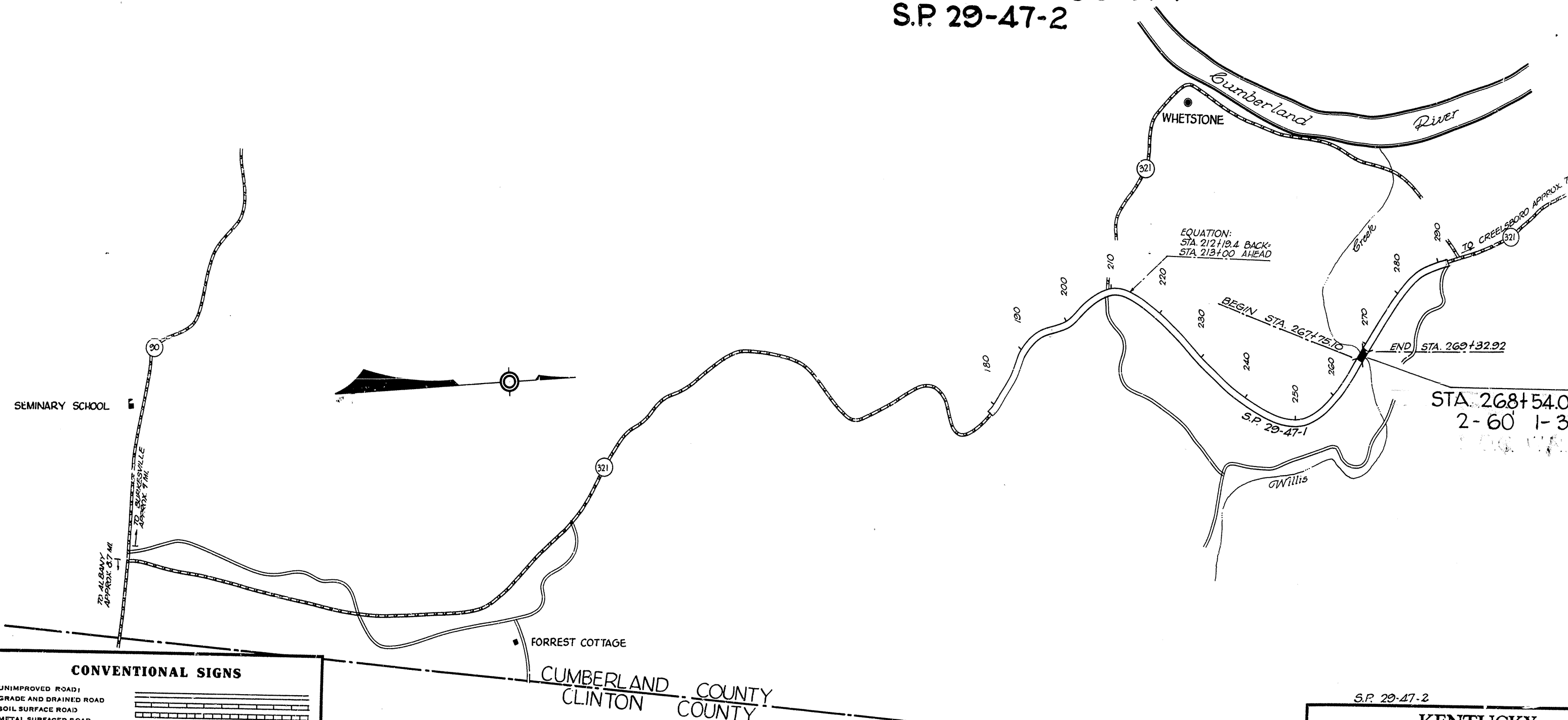
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

**SUBSECTIONS OF CONTRACT
FOR
CUMBERLAND COUNTY SP29-47-2**
29-47-2.B1 Bridge (2-60' & 1-30' I-Beam Spans) @ Sfs. 268+54.01

COUNTY OF	STATE PROJ. NO.		FISCAL YEAR	SHEET NO.	TOTAL SHEETS
CUMBERLAND	23-47		1947	1	

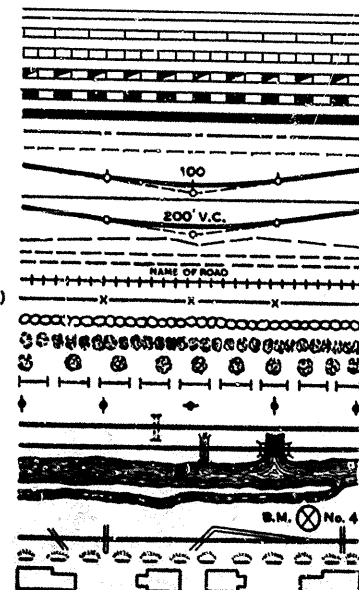
PLAN AND PROFILE SHEETS
DETAIL SHEETS
REFERENCE SHEETS
DRAINAGE SHEETS
CROSS SECTION SHEETS
BRIDGE SHEETS

	NO. SETS	DATE
SENT FOR FEDERAL APPROVAL		
RECORD PLANS		
CONSTRUCTION PLANS		



STA. 268+54.01 CONSTRUCT
2-60' 1-30' I BEAM SPANS

UNIMPROVED ROAD
GRADE AND DRAINED ROAD
SOIL SURFACE ROAD
METAL SURFACED ROAD
LOW TYPE BITUMINOUS ROAD
PAVED ROAD
COUNTY LINE
CORPORATE LIMITS
SURVEY LINE
PROPOSED RIGHT OF WAY
GRADE LINE
GROUND LINE
TRAVELED WAY
RAILROAD
FENCES (EXCEPT STONE & HEDGE)
STONE FENCE
HEDGE FENCE
TREES & STUMPS
PIPE LINE
TELEPHONE POLES
PIPE CULVERT
CONCRETE CULVERT & BRIDGE
LARGE STREAM
SMALL STREAM
BENCH MARKS
ROAD INTERSECTIONS
MARSH
BUILDINGS



GRAPHIC SCALE IN *feet*

1000 0 1000 2000 3000

A horizontal scale bar with alternating black and white segments. It is marked with the numbers 1000, 0, 1000, 2000, and 3000 from left to right.

LAYOUT MAP

GROSS LENGTH _____ LIN. FT. _____ MILES		GROSS LENGTH _____ LIN. FT. _____ MILES		GROSS LENGTH _____ LIN. FT. _____ MILES		GROSS LENGTH <u>157.82</u> LIN. FT. <u>0.029</u> MILES	
ADDED DEDUCTED FOR EQUALITIES _____ LIN. FT. _____ MILES		ADDED DEDUCTED FOR EQUALITIES _____ LIN. FT. _____ MILES		ADDED DEDUCTED FOR EQUALITIES _____ LIN. FT. _____ MILES		ADDED DEDUCTED FOR EQUALITIES _____ LIN. FT. _____ MILES	
NET LENGTH _____ LIN. FT. _____ MILES		NET LENGTH _____ LIN. FT. _____ MILES		NET LENGTH _____ LIN. FT. _____ MILES		NET LENGTH <u>157.82</u> LIN. FT. <u>0.029</u> MILES	
NOT INCLUDED _____ LIN. FT. _____ MILES		NOT INCLUDED _____ LIN. FT. _____ MILES		NOT INCLUDED _____ LIN. FT. _____ MILES		NOT INCLUDED _____ LIN. FT. _____ MILES	
RAILROAD CROSSINGS NO. _____ LIN. FT. _____ MILES		RAILROAD CROSSINGS NO. _____ LIN. FT. _____ MILES		RAILROAD CROSSINGS NO. _____ LIN. FT. _____ MILES		RAILROAD CROSSINGS NO. _____ LIN. FT. _____ MILES	
BRIDGES _____ LIN. FT. _____ MILES		BRIDGES _____ LIN. FT. _____ MILES		BRIDGES _____ LIN. FT. _____ MILES		BRIDGES _____ LIN. FT. _____ MILES	

S.P. 29-47-2

KENTUCKY
DEPARTMENT OF HIGHWAYS
COUNTY OF
CUMBERLAND
WHETSTONE SPUR
ROAD

STATE PROJECT
No. 29-47

DATE
1947

APPROVED _____ 19____

BY: _____
COMMISSIONER OF HIGHWAY

RECOMMENDED FOR APPROVAL DATE

DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

APPROVED _____ DATE _____

DIVISION ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

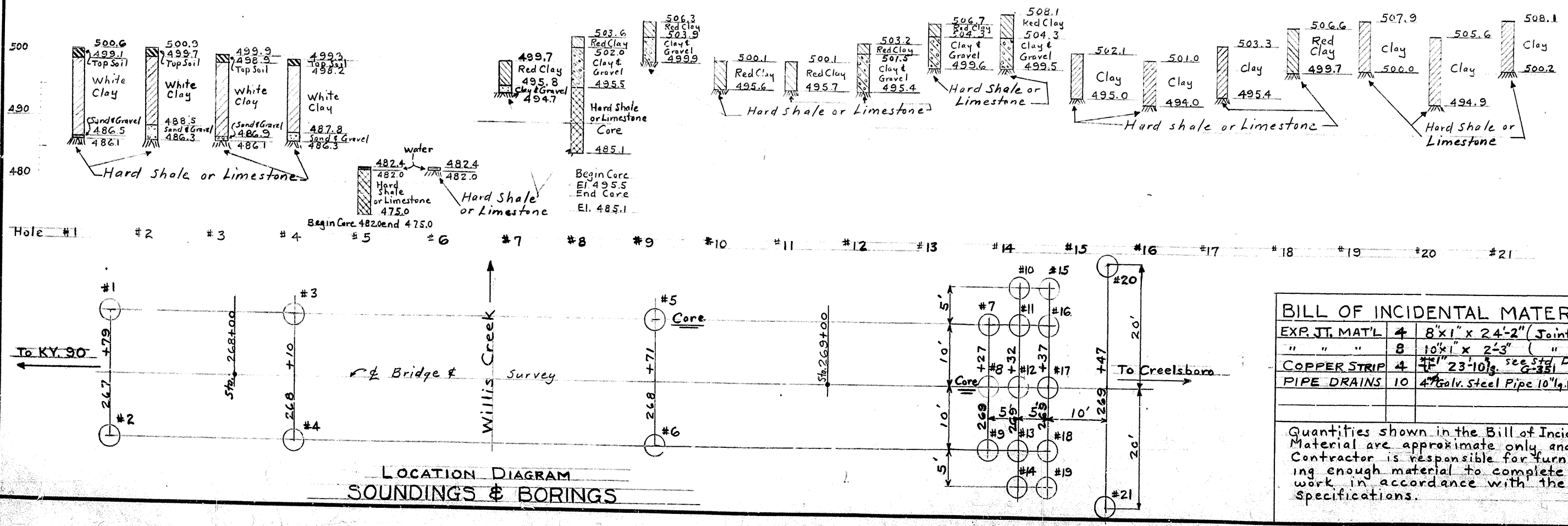
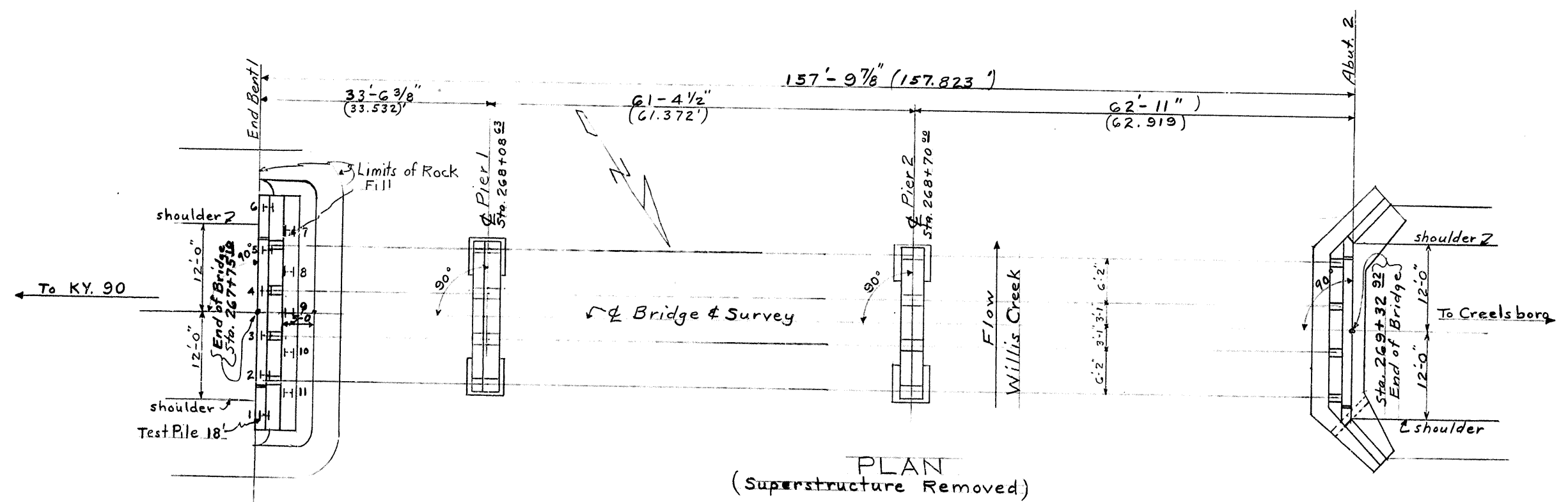
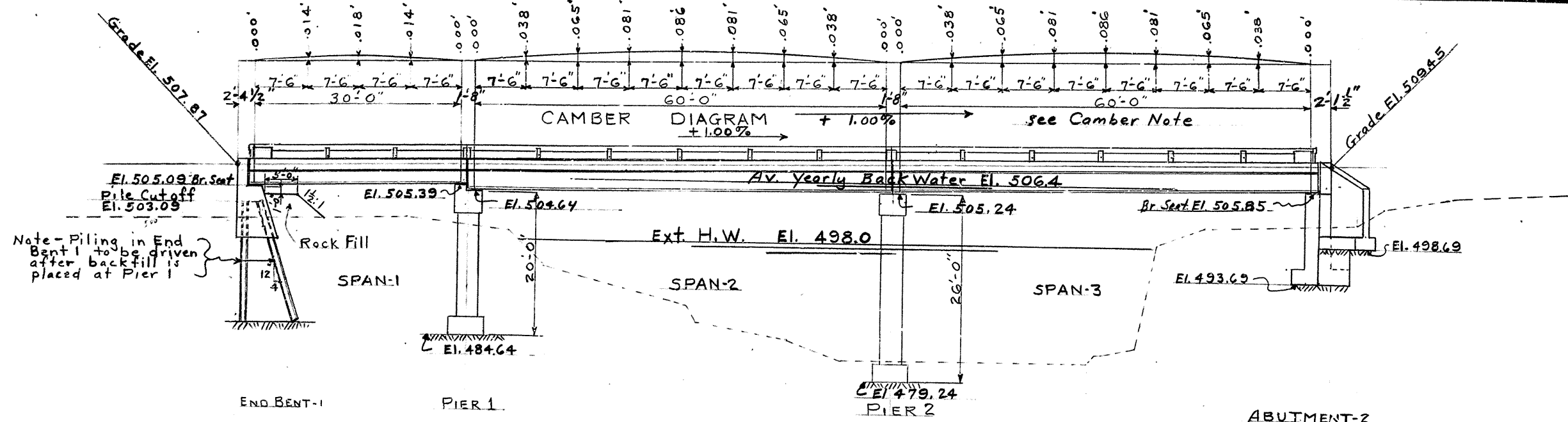
LETTING DATE

JUL 23 1951

883-

GENERAL NOTE

- SPECIFICATIONS** - Kentucky Department of Highways (1945 Standard) with amendments.
- CONCRETE** - Class "A" Concrete to be used throughout except in handrail; Class "D" Concrete to be used in Handrail.
- REINFORCEMENT** - Dimensions from face of concrete to bars are clear distances except as otherwise shown. Dimensions for bar spacing are distances center to center of bars. See Emergency Provisions No. 10.
- BEVELED EDGES** - All exposed edges shall be beveled 7/8" unless otherwise shown.
- DRAIN PIPES** - EXPANSION JOINT MATERIAL - COPPER STRIP - The cost of these items to be included in the unit price bid for Class "A" Concrete.
- PILING** - Piles to be driven to solid rock. Test Piles to determine the length of piles required shall be driven at location shown. They shall be accurately located so as to be used in the finished structure. The option of driving piling with a drop hammer is permitted. Logging is not required on the steel piles.
- TRANSPORTING - ERECTING & PAINTING** - A lump sum bid shall be submitted for this work. This work consists of loading, transporting, and unloading structural steel from storage yard at Owensboro Ky. (See Sheets G-37 for Shipping Bill) to site of work and erecting and painting same according to plans and specifications. Structural Steel to be furnished by the Department of Highways. Erection work shall include all bents, tools, labor, cutting, threading, drilling, or other incidental material to erect spans as per plans and specifications. Painting shall include cleaning of structural steel of rust or foreign matter and the structural steel shall be given one complete coat of red lead or basic sulfate blue lead and two coats of Aluminum paint in accordance with specifications. See Emergency Provisions 7R1. Any steel damaged in transporting or erecting shall be replaced by the Contractor at his own expense.
- DESIGN LOAD** - H15 Loading in accordance with A.A.S.H.O. Spec. 1944. 20,000#/sq. tension net section. (unit stress)
- CAMBER** - Ordinates shown in Camber Diagram are calculated camber due to weight of floor slab and handrail and apply to all beams.



TOTAL ESTIMATE OF QUANTITIES									
ITEM	SHEET NO.	CONCRETE	REINFORCEMENT	FURNISHING PILES	DRIVING PILES	TRANSPORTING	EXCAVATION		
		Class A	Class D	Linft.	Linft.	Struct. Steel	Common	S.R.	
LAYOUT	1								
END BENT 1	2	43.9	—	2570	200	200		50	—
PIER 1	3	27.2	—	3510				80	10
PIER 2	4	37.8	—	4940				—	20
ABUTMENT 2	5	50.8	—	5080				140	40
30' I Beam Span	6	21.0	—	3850					
60' I " "	7	40.9	—	7510					
60' I " "	7	40.9	—	7510					
HANDRAIL	8	—	8.0	2730					
Copper Strip & Filler	G-351								
12" Struct. Steel Pile	P5								
Totals		262.5	8.0	31700	200	200	Lumpsum	270	70

BILL OF INCIDENTAL MATERIAL		
EXP. JT. MAT'L	4	8' x 1" x 24'-2" (Joints)
" " "	8	10' x 1" x 2'-3" (")
COPPER STRIP	4	1/2" x 23'-10 1/2" (see Std. Drwg. G-351)
PIPE DRAINS	10	4" Galv. Steel Pipe 10' lg. (6 1/2' Drwg.)
Quantities shown in the Bill of Incidental Material are approximate only, and the Contractor is responsible for furnishing enough material to complete the work in accordance with the Specifications.		

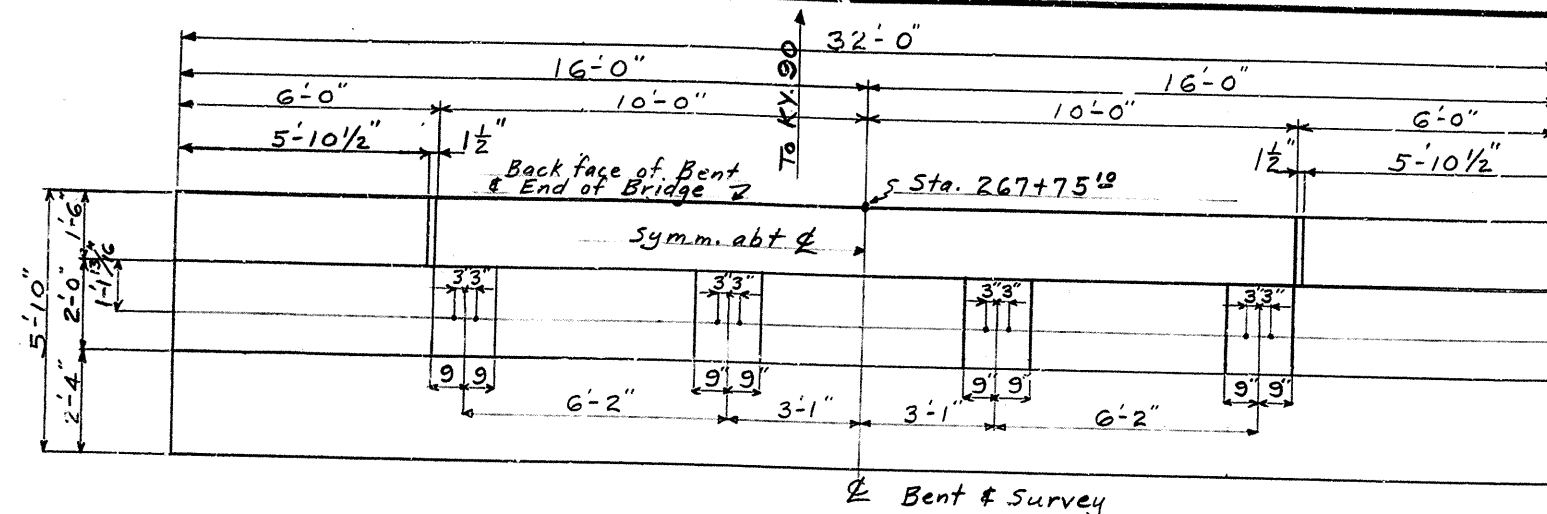
G-351, P5
Bridge over Willis Creek Sheet 1

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF

CUMBERLAND
WHETSTONE SPUR
ROAD

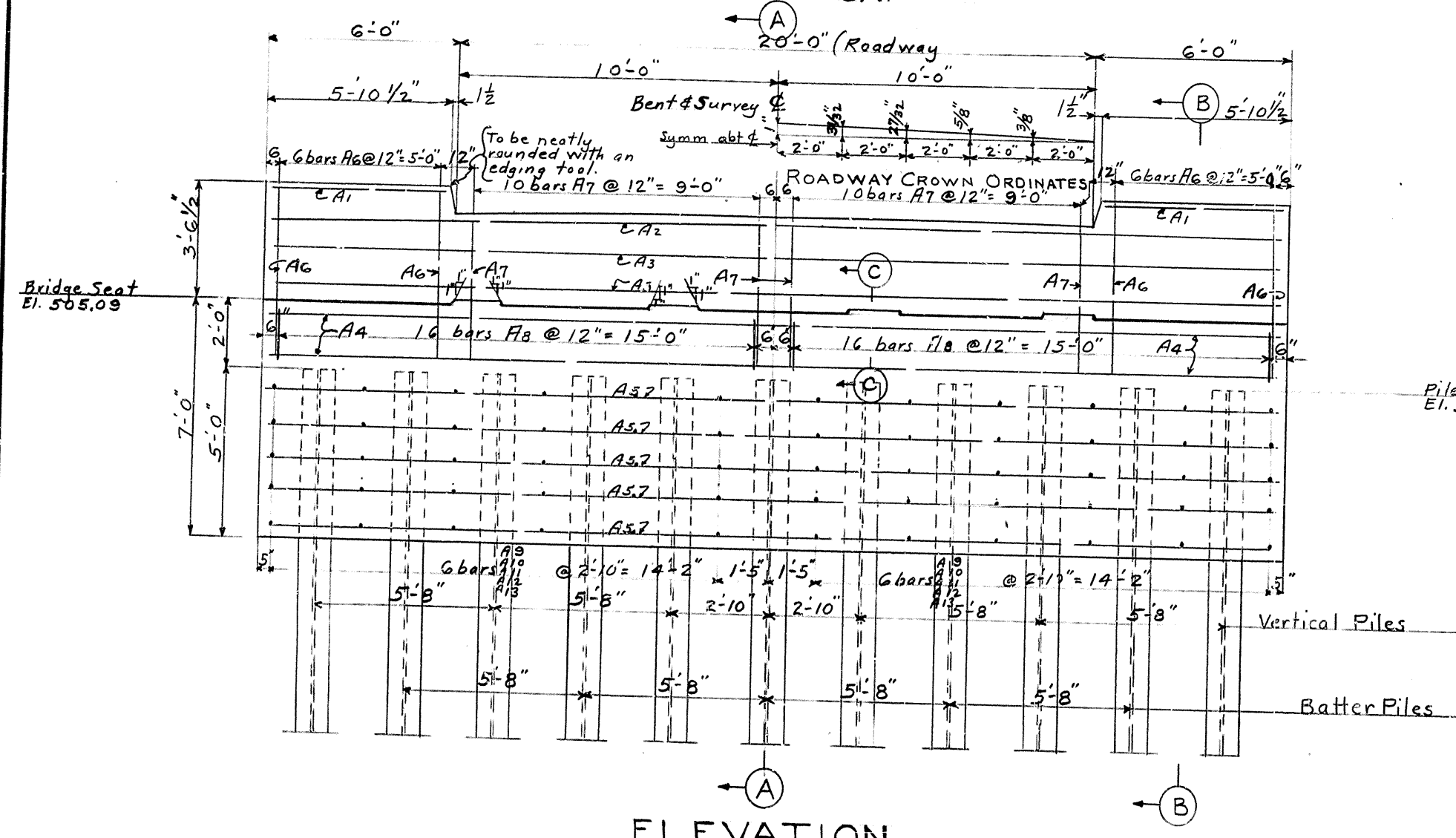
STATION 268+54.82 PROJECT NO. SP 29-47-B1
BRIDGE NUMBER 8837

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

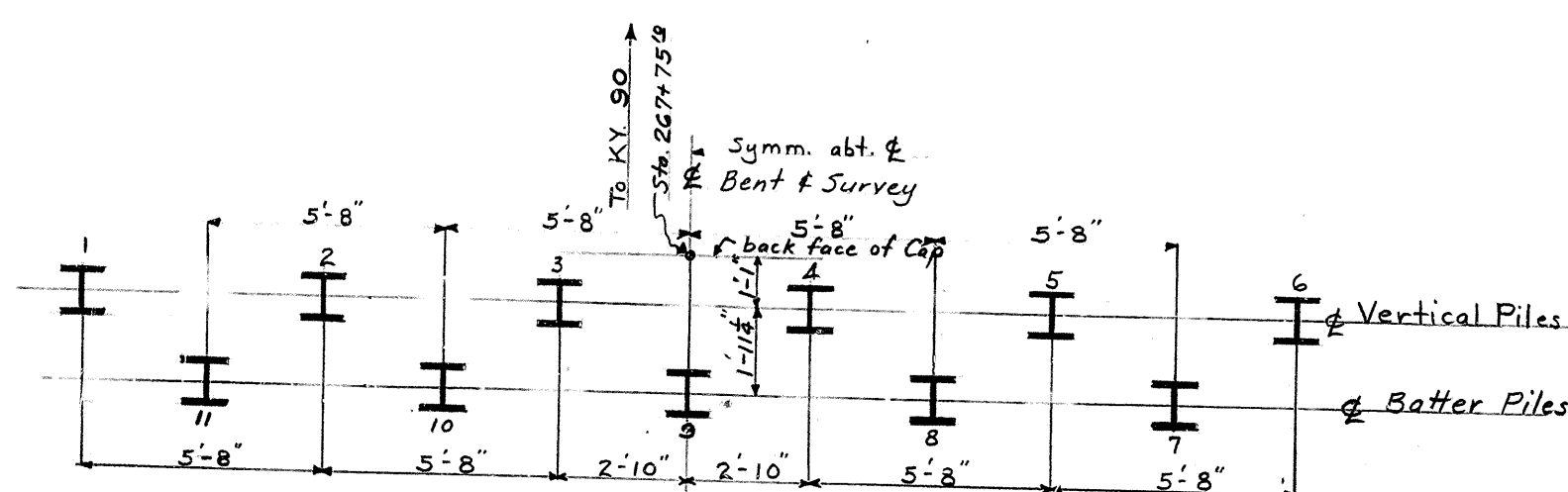


Bent & Survey

PLAN OF CAP

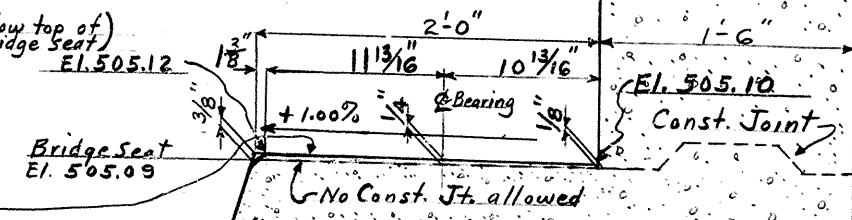


ELEVATION



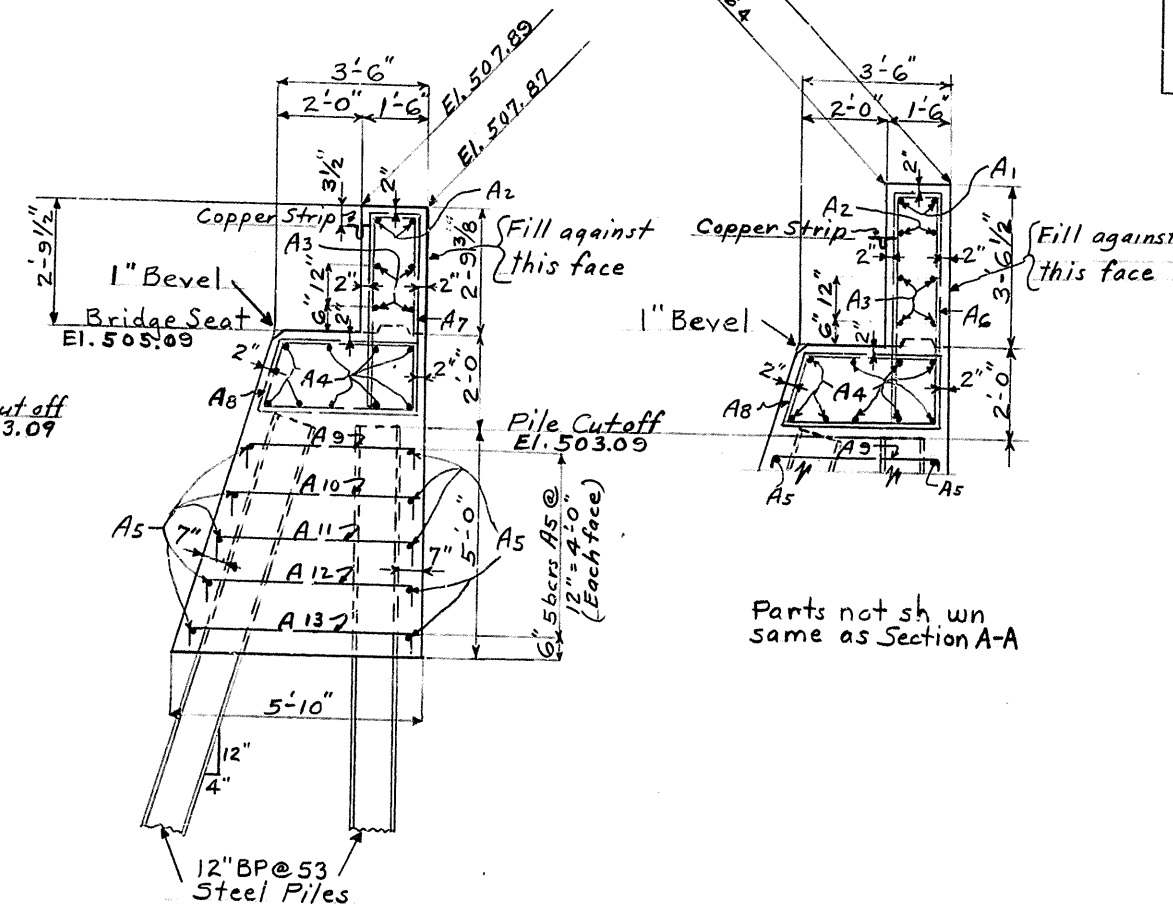
PLAN OF PILING
(12" BP@53" Steel Piles - Cap Removed)
(Showing Piles at cutoff Elevation)

1" x 1-6" Anchor Bolts set 1-2" into Concrete (below top of Holes to be drilled in field and bolts grouted in with 1-2 mix in accordance with specifications



Raised portion of Bridge Seat to be finished in accordance with Specification

PART SECTION C-C



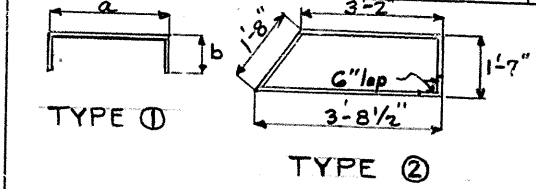
SECTION A-A AT &

PART SECTION B-B

Note - For details & specifications of 12" BP@53" Steel Piles see Std. Drawg. PS Lagging is not required

BILL OF REINFORCEMENT

MARK	TYPE	No.	SIZE	LENGTH	LOCATION	FT.	IN.	FT.	IN.
A1	Str.	4	3/8"	5	7	Parapet (long.)			
A2	Str.	4	3/8"	3	8	"			
A3	Str.	8	3/8"	3	8	"			
A4	Str.	9	3/8"	3	8	Cap			
A5	Str.	10	3/8"	3	8	"			
A6	Str.	12	3/8"	1	2	Parapet (Hor.)	1	2	5
A7	Str.	20	3/8"	9	8	"	1	2	4
A8	Str.	32	3/8"	10	10	transverse (cap)			
A9	Str.	12	3/8"	4	6	"	4	0	4
A10	Str.	12	3/8"	4	10	"	4	8	0
A11	Str.	12	3/8"	5	2	"	4	8	0
A12	Str.	12	3/8"	5	6	"	5	0	0
A13	Str.	12	3/8"	5	10	"	5	4	0



ESTIMATE OF QUANTITIES

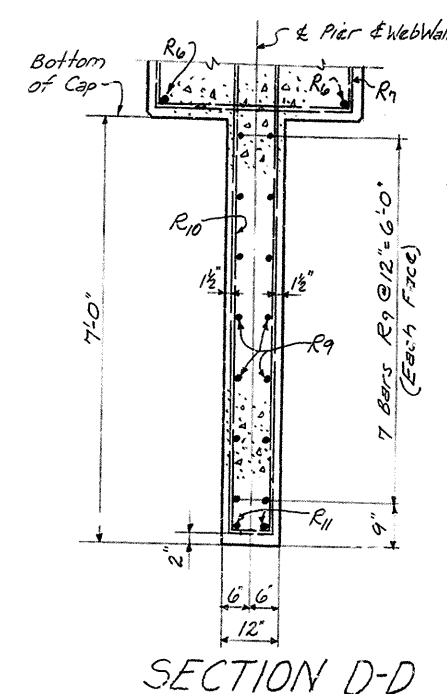
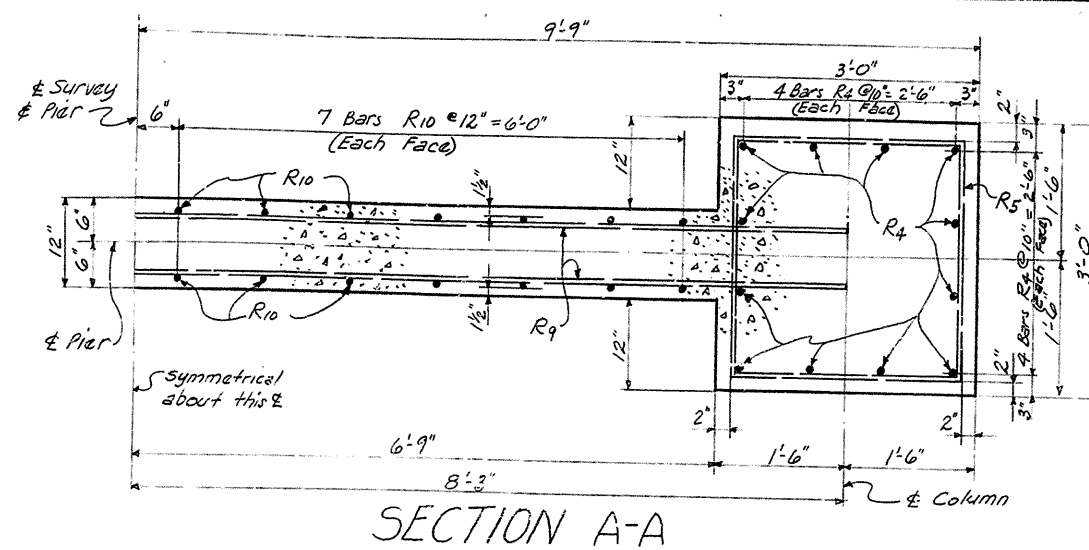
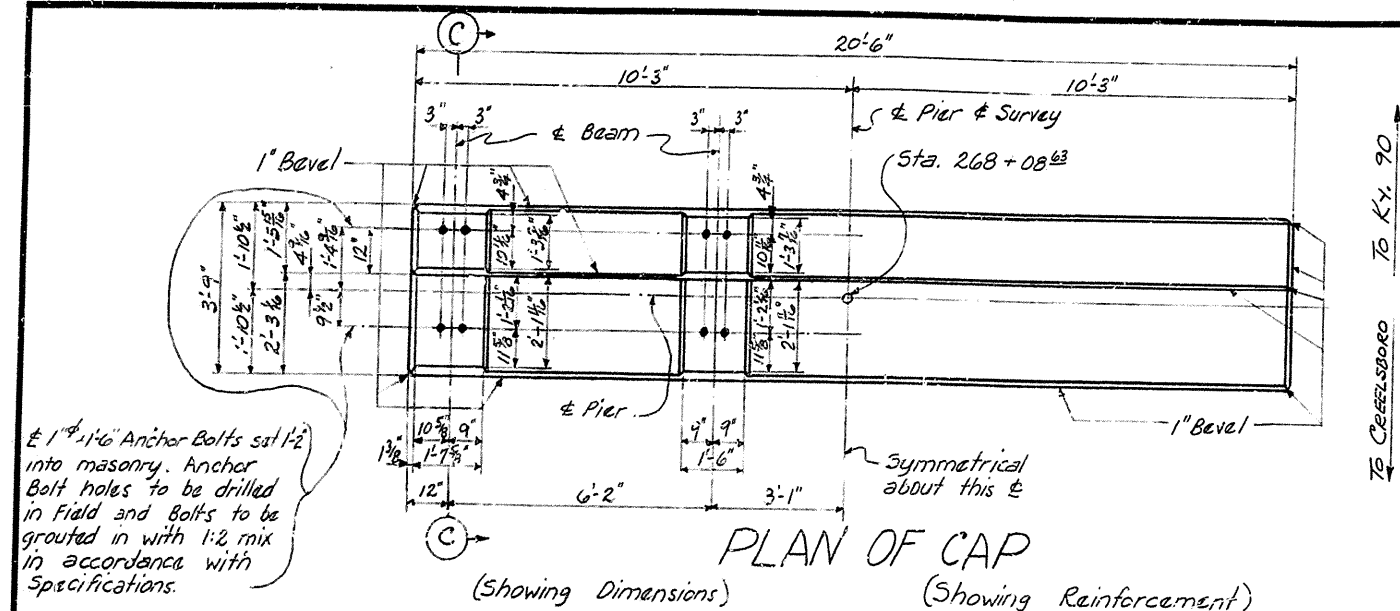
CONCRETE CLASS "A"	43.9	CUYD.
REINFORCEMENT	2570	LBS.
FURNISHING PILES	200	LIN.FT.
DRIVING PILES	200	LIN.FT.

Bridge over Willis Creek Sheet 2

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CUMBERLAND
WHETSTONE SPUR

STATION 268+54.2 PROJECT NO.
BRIDGE NUMBER DRAWING INDEX
No. 8837

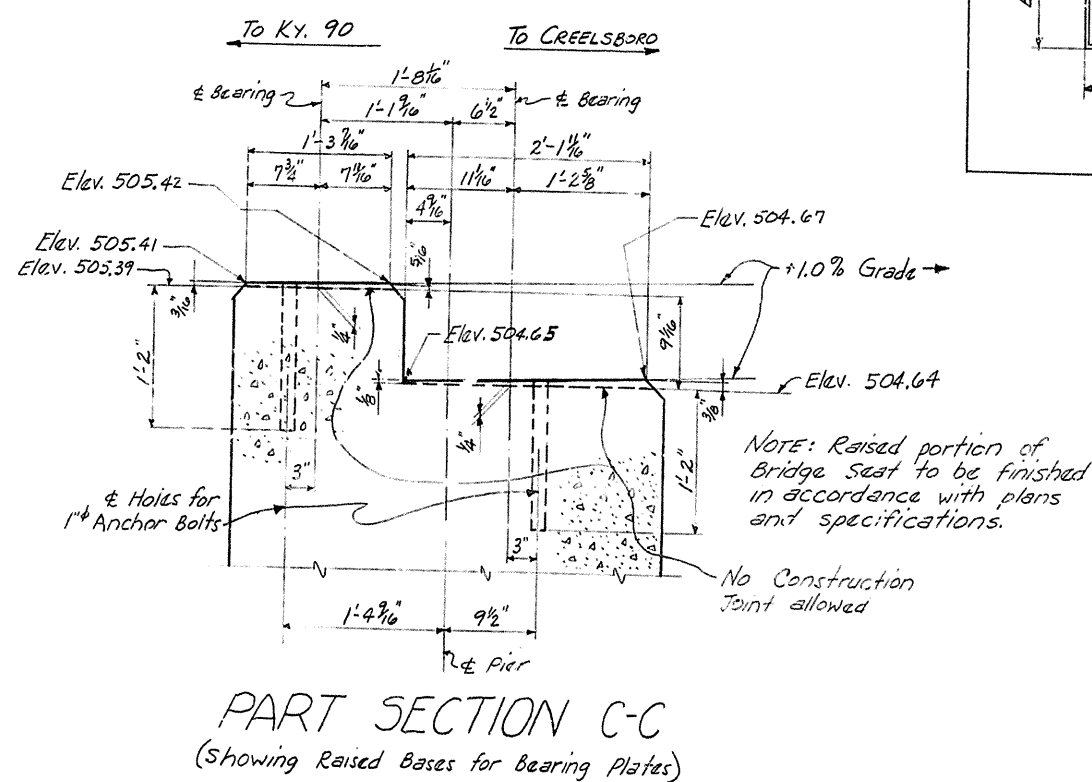
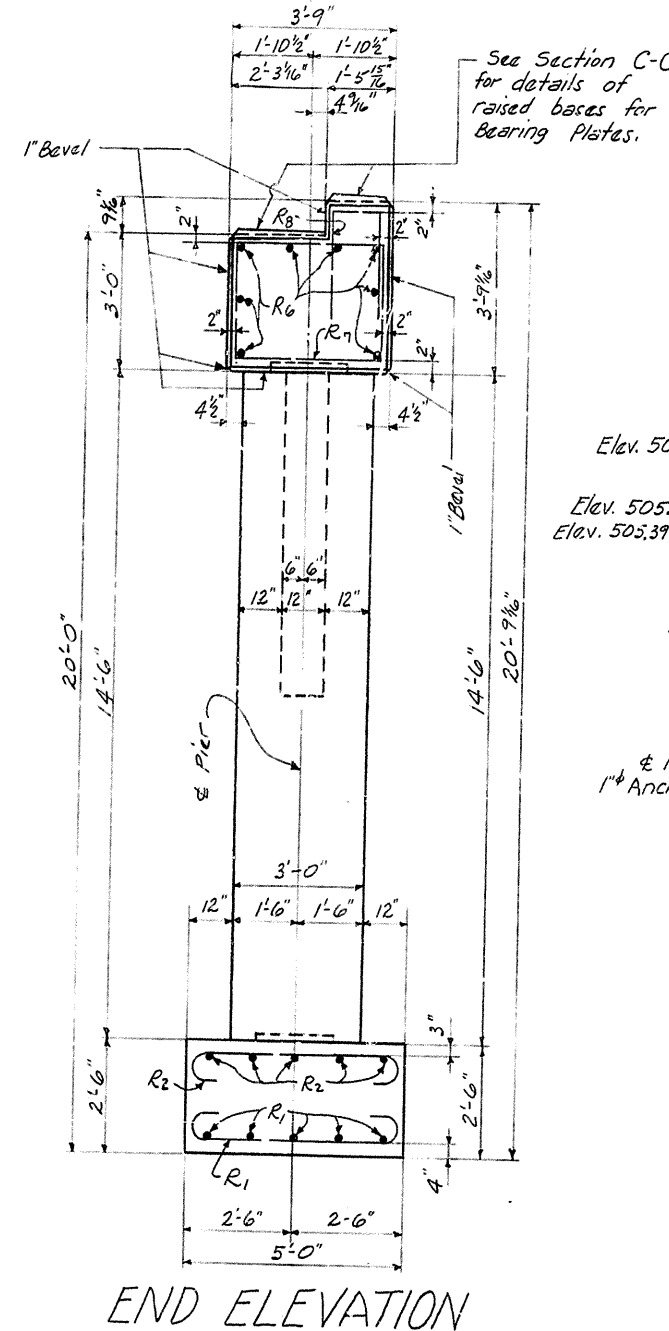
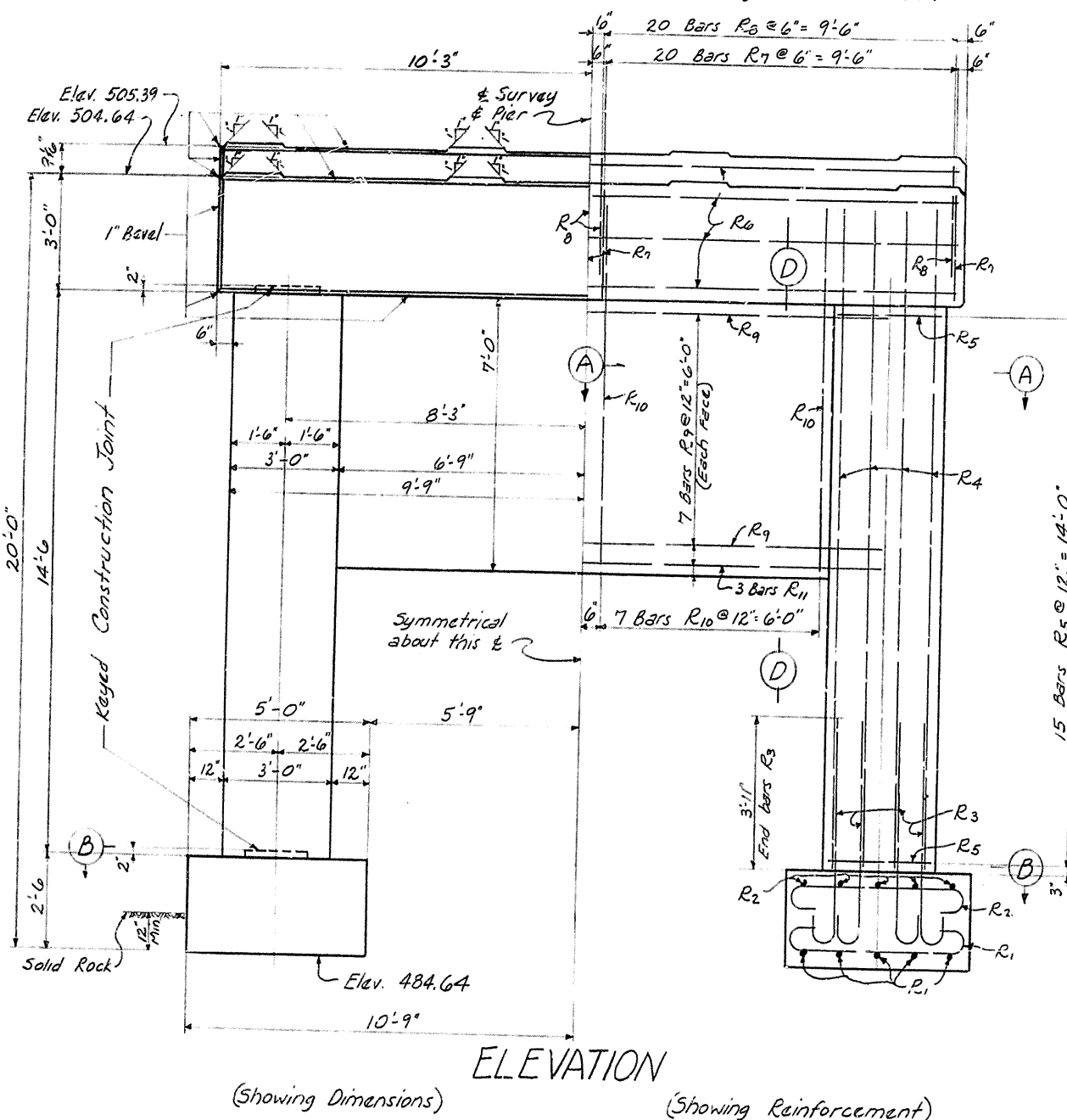
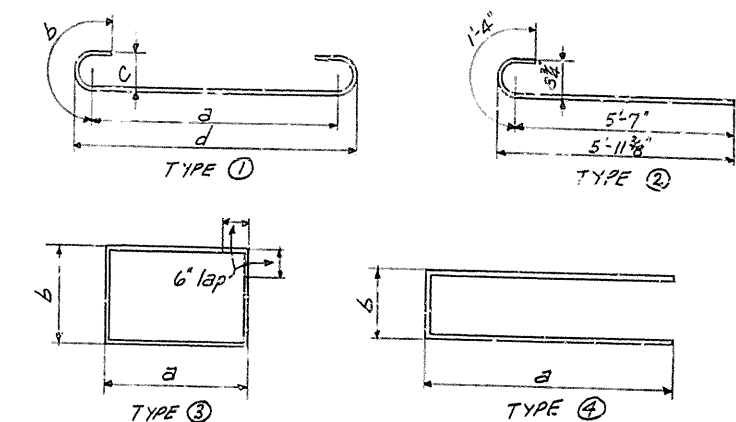
END BENT - 1



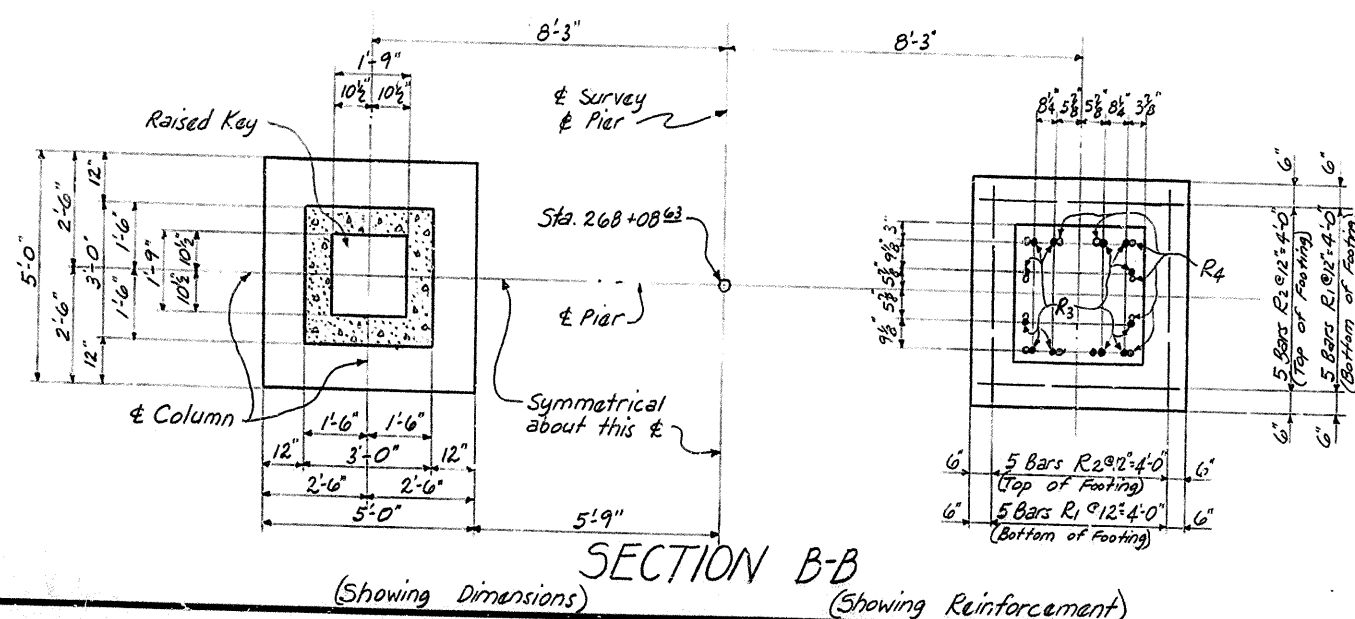
FED. ROAD DIST.		STATE	FED. AID PROJ. NO.	FISCAL YEAR	PROJECT NO.	SHEET NO.	TOTAL SHEETS
7		KY.					

BILL OF REINFORCEMENT

Pile No.	TYPE	No.	SIZE	LENGTH		LOCATION	a		b		c		d	
				FT.	IN.		FT.	IN.	FT.	IN.	FT.	IN.		
R1	①	20	5/8"	6	1	Bottom of Footing	4	1	1	0	0	6	4	7
R2	"	20	5/8"	5	11	Top of Footing	4	3	0	10	0	5	4	8
R3	②	24	3/4"	6	11	David's - Columns into Bridge								
R4	Str.	24	3/4"	17	0	Columns (vert.)								
R5	③	30	5/8"	11	5	" (Horiz.)	2	8	2	8				
R6	Str.	10	1"	20	2	Cap (Horiz.)								
R7	④	41	5/8"	12	10	" (Vert.)	3	5	2	8				
R8	④	41	"	7	2	"	3	1	1	2				
R9	Str.	14	3/4"	16	6	Web Wall (Horiz.)								
R10	⑤	14	3/4"	19	3	" (Vert.)	9	4	0	9				
R11	Str.	2	1"	16	6	Bottom of Webwall (Horiz.)								

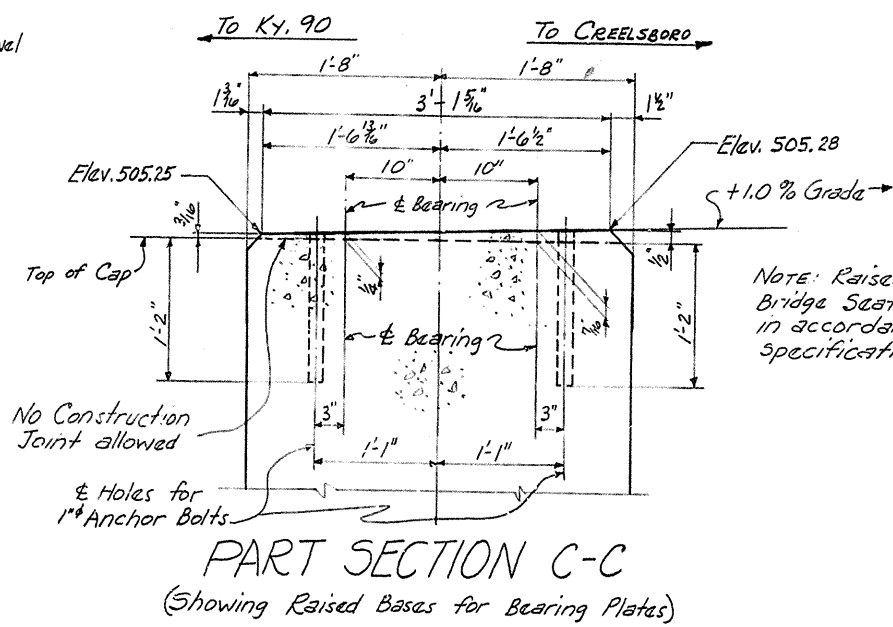
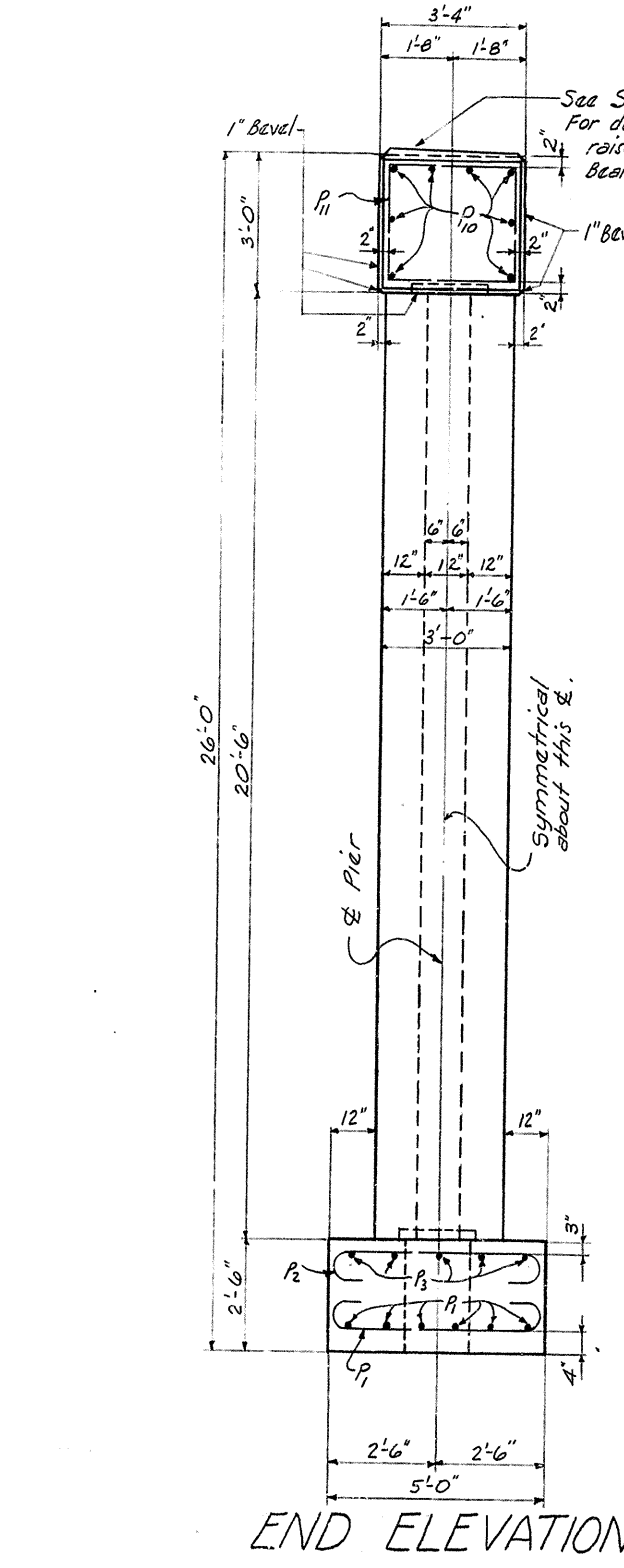
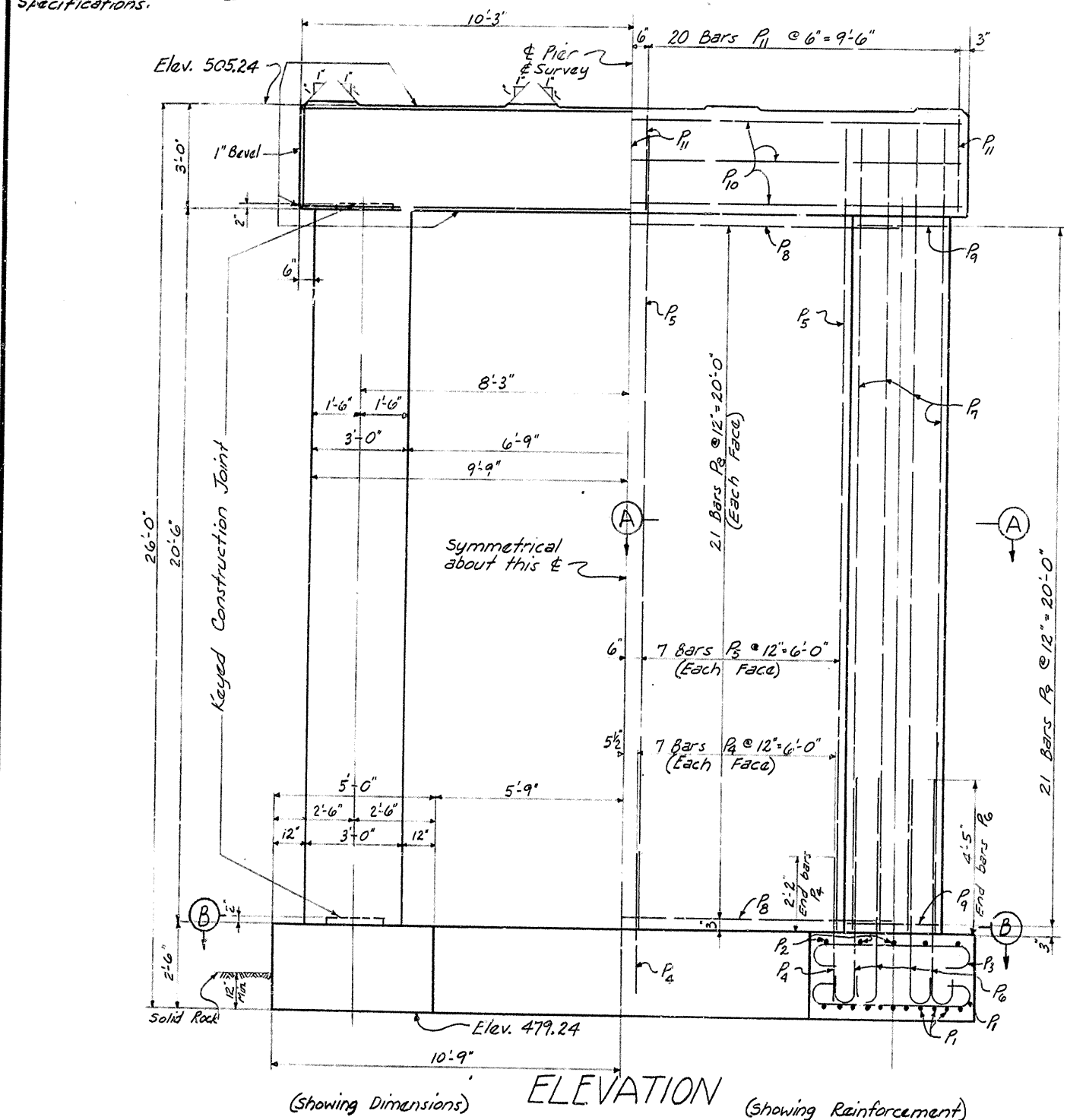
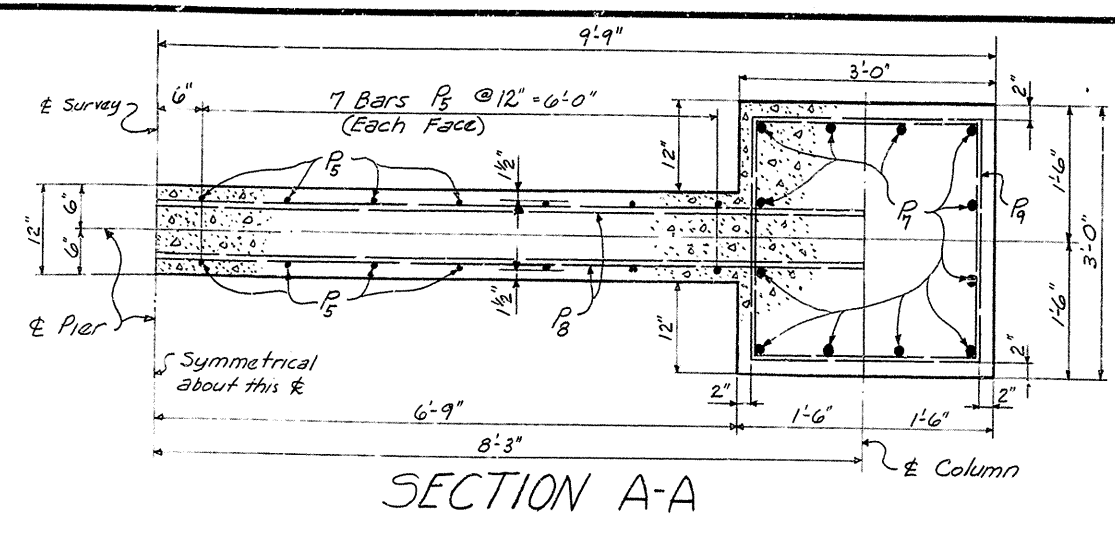
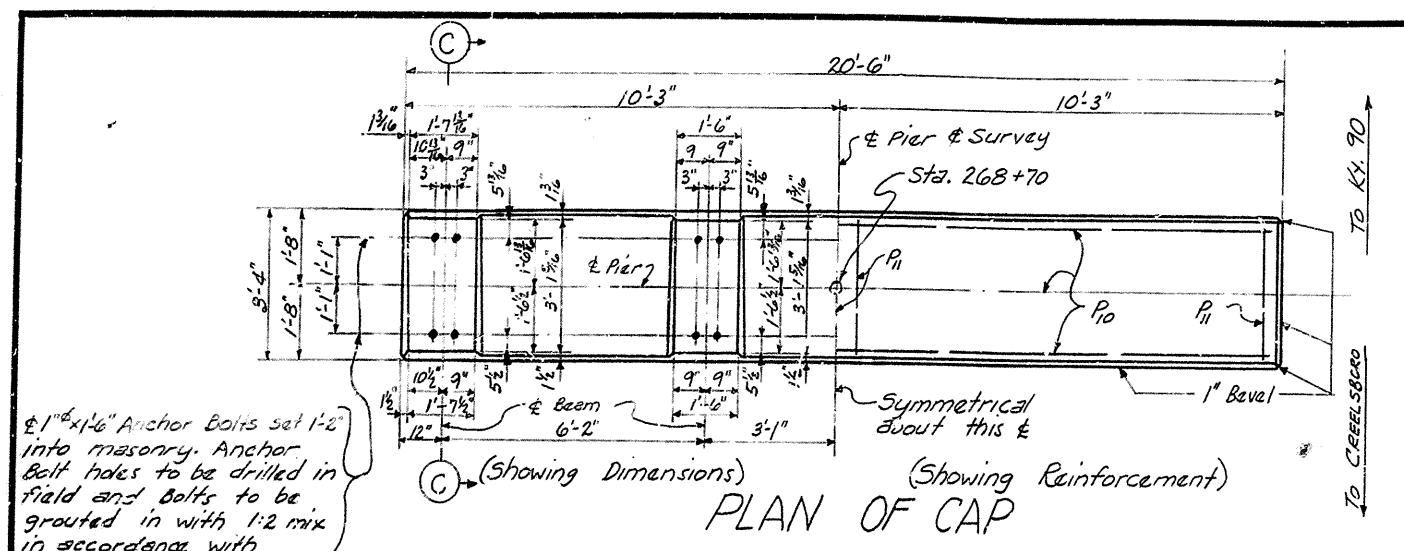
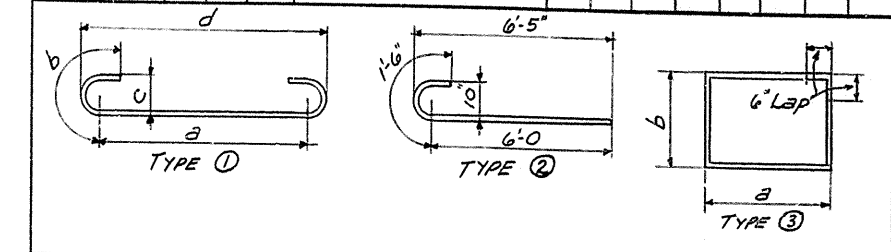


ESTIMATE OF QUANTITIES		
Concrete, Class "A"	27.2	Cu. Yds.
Reinforcement	3510	Lbs.

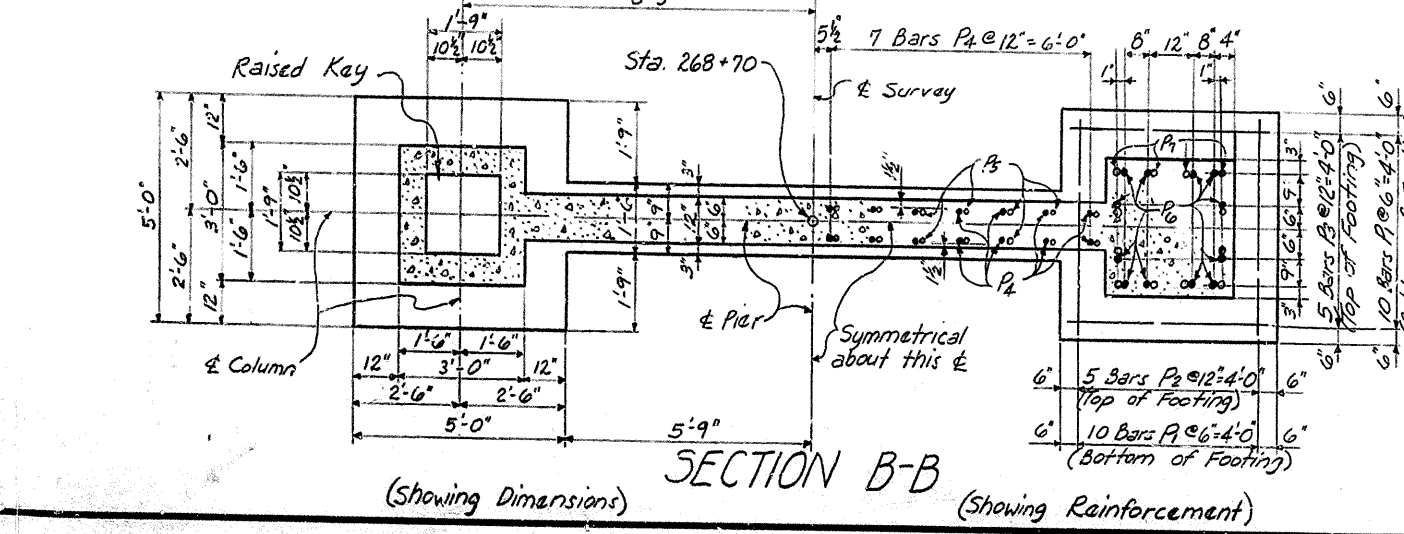


PIER 1

MARK	TYPE	No.	SIZE	LENGTH FT. IN.	LOCATION	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.
P ₁	①	40	#4	6 4	Bottom of Footing	4	0	1	2	0 7 1/2 4 7 1/2
P ₂	"	10	#4	6 2	Top of Footing	4	2	1	0	0 6 1/2 4 8 1/2
P ₃	"	10	#4	5 11	"	4	3	0	10	0 5 4 8
P ₄	Str.	28	"	4	Dowels-Web Wall into Footing					
P ₅	"	28	"	23 0	Web Wall (vert.)					
P ₆	②	24	#4	7 6	Dowels-Column into Footing					
P ₇	Str.	24	"	23 0	Columns (vert.)					
P ₈	"	42	#4	16 6	Web Wall (horiz.)					
P ₉	③	42	#4	11 5	Columns (horiz.)	2	8	2	8	
P ₁₀	Str.	8	#4	20 2	Cap (horiz.)					
P ₁₁	④	41	#4	12 1	" (vert.)	3	0	2	8	



Concrete, Class 'A'	37.8	Cu Yds.
Reinforcement	4940	Lbs.



PIER 2

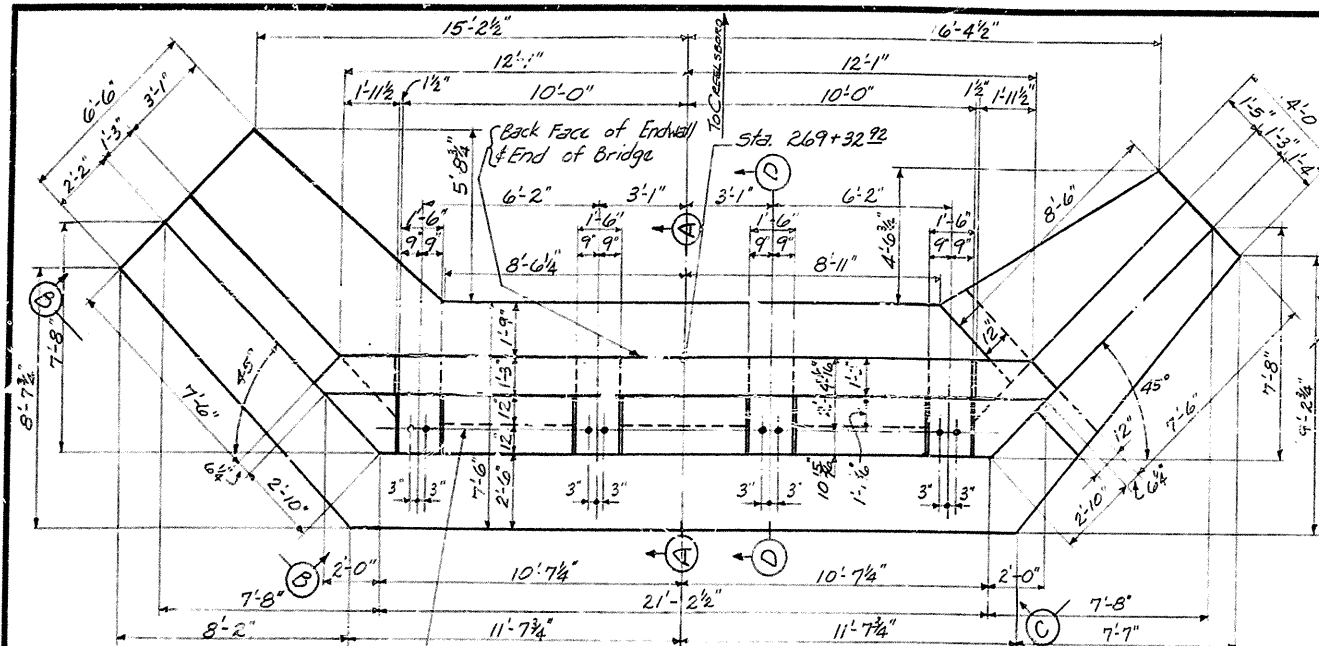
BRIDGE OVER WILLIS CREEK Sheet 4

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
CUMBERLAND
 WHETSTONE SPUR
 ROAD

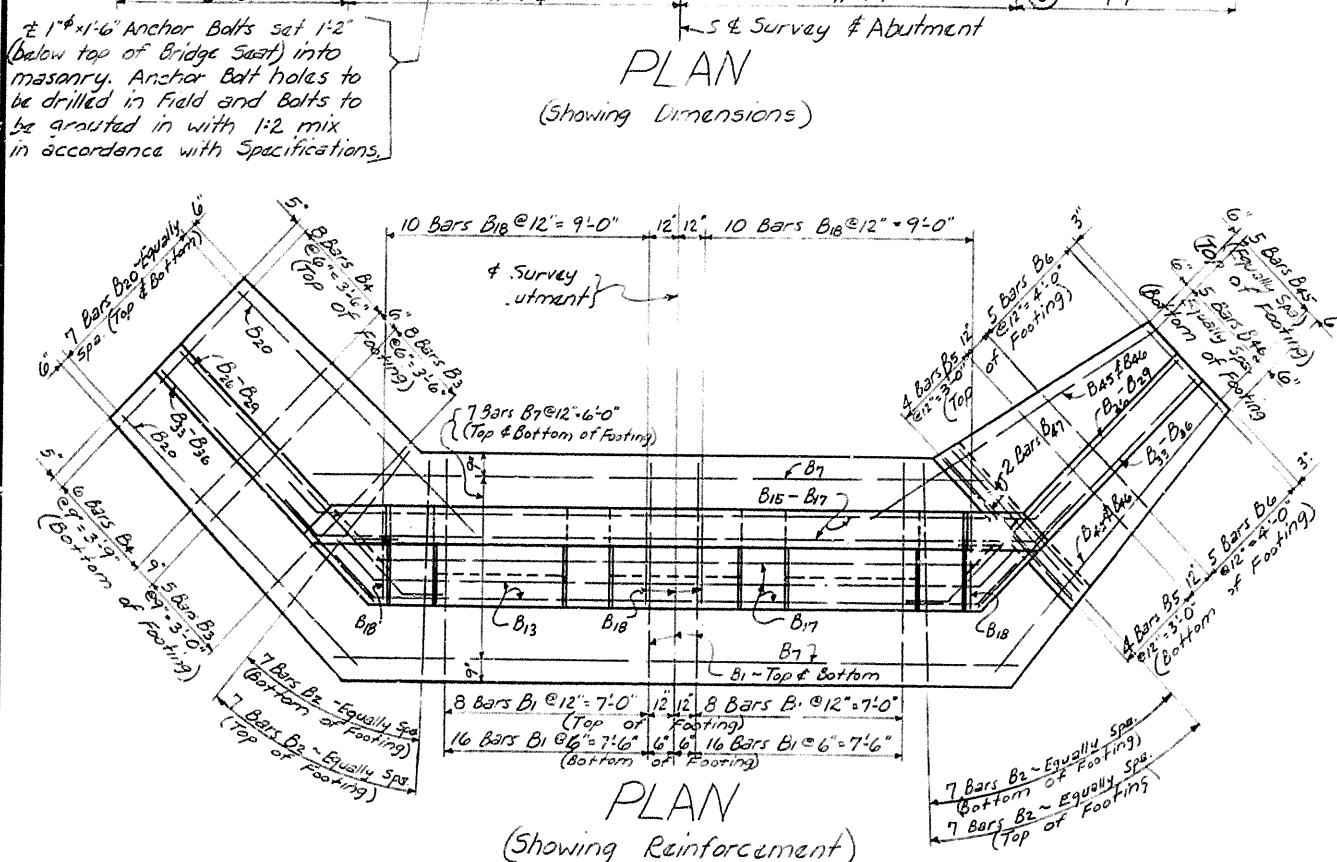
STATION 268 + 54.21 PROJECT NO. 8837

BRIDGE NUMBER 8837

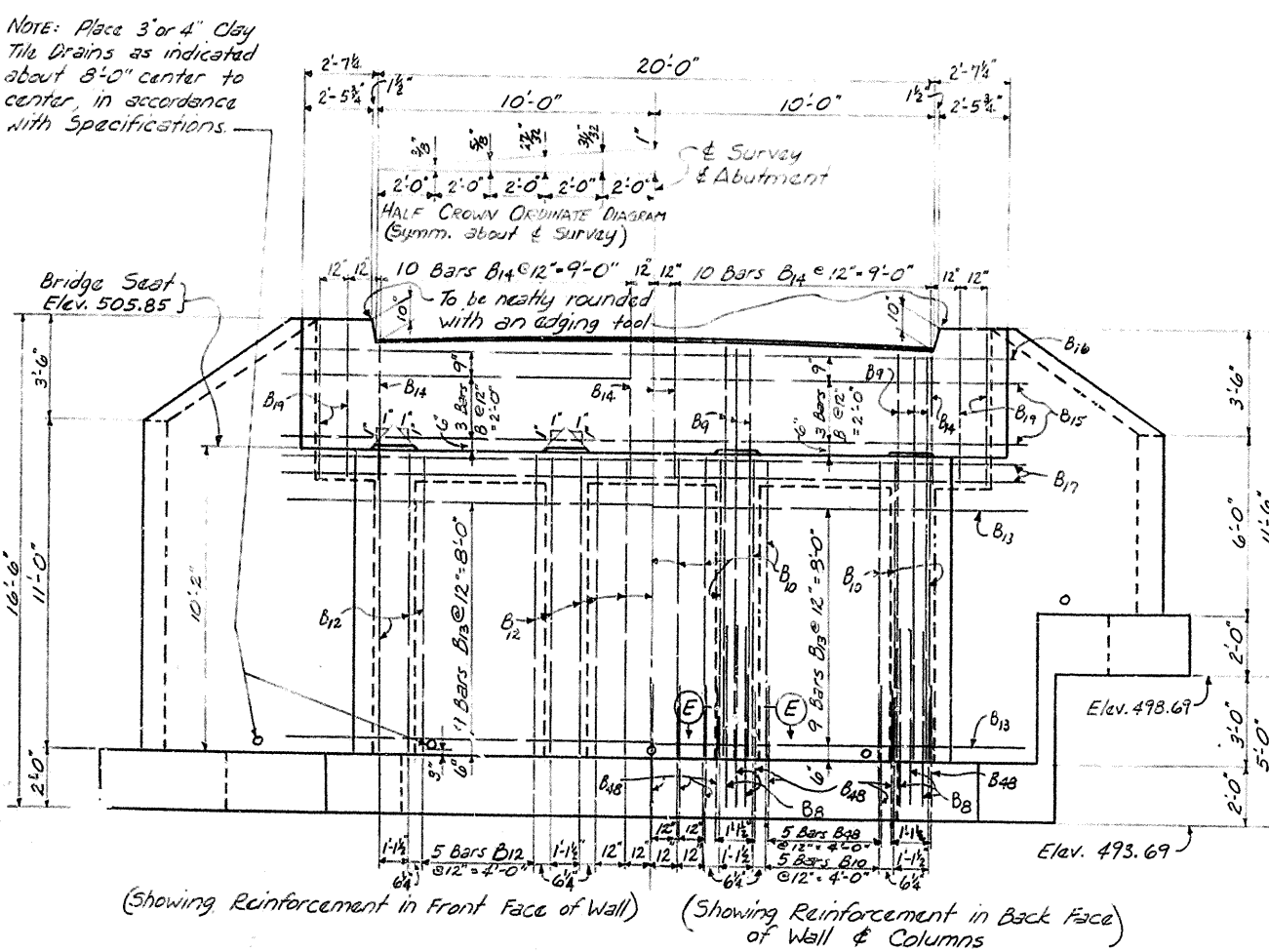
DESIGNED BY: [Signature]
 CHECKED BY: A.G.
 DATE: 9/1/79
 REVISIONS: [Table with 4 columns: NO., DATE, BY, DESCRIPTION]



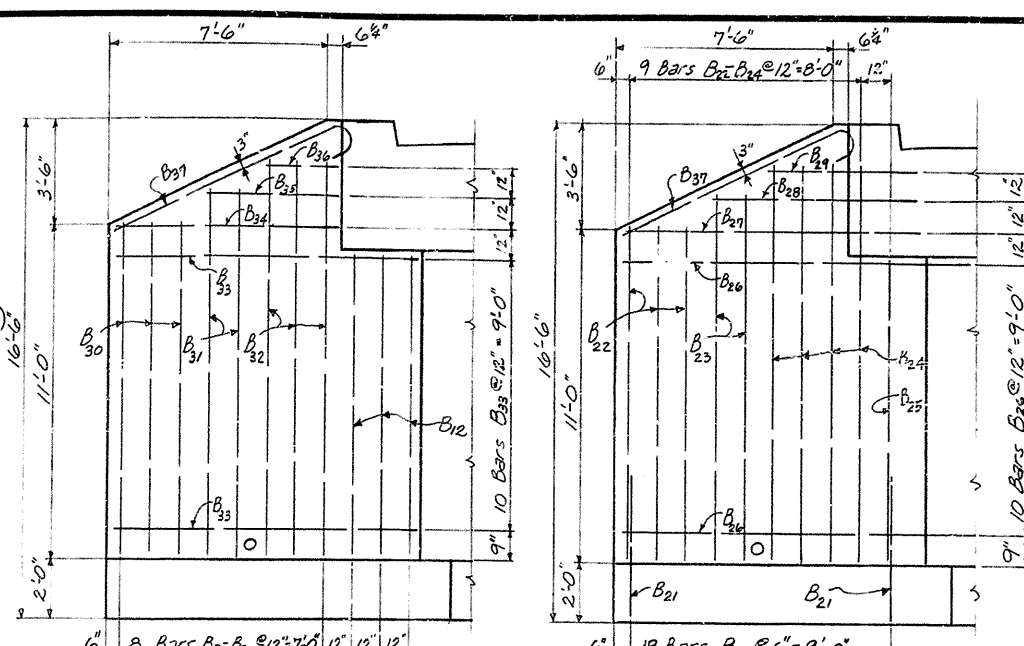
± 1" x 1/2" Anchor Bolts set 1:2
(Below top of Bridge Seat) into
masonry. Anchor Bolt holes to
be drilled in Field and Bolts to
be grouted in with 1:2 mix
in accordance with Specifications.



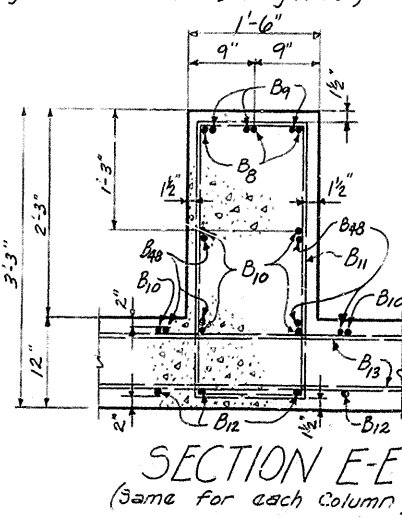
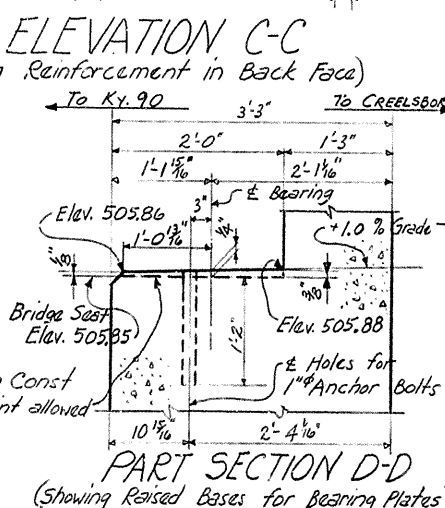
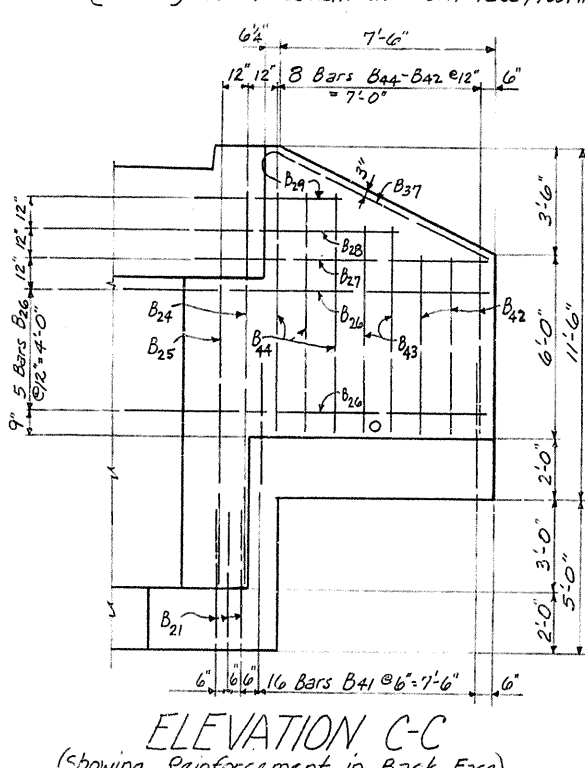
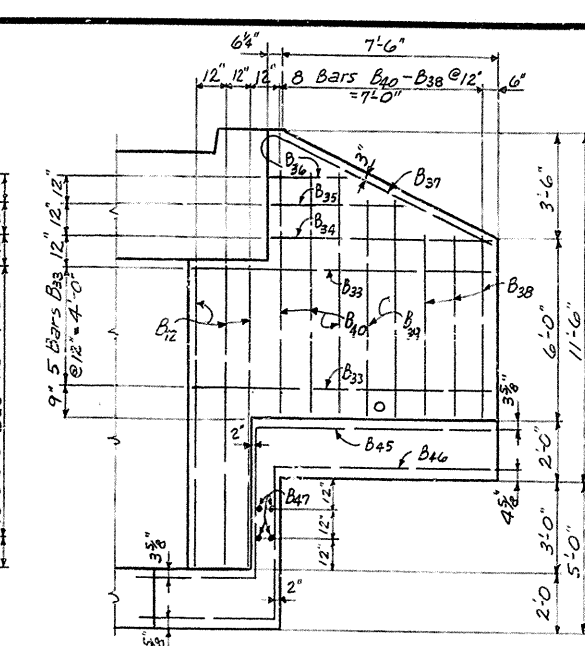
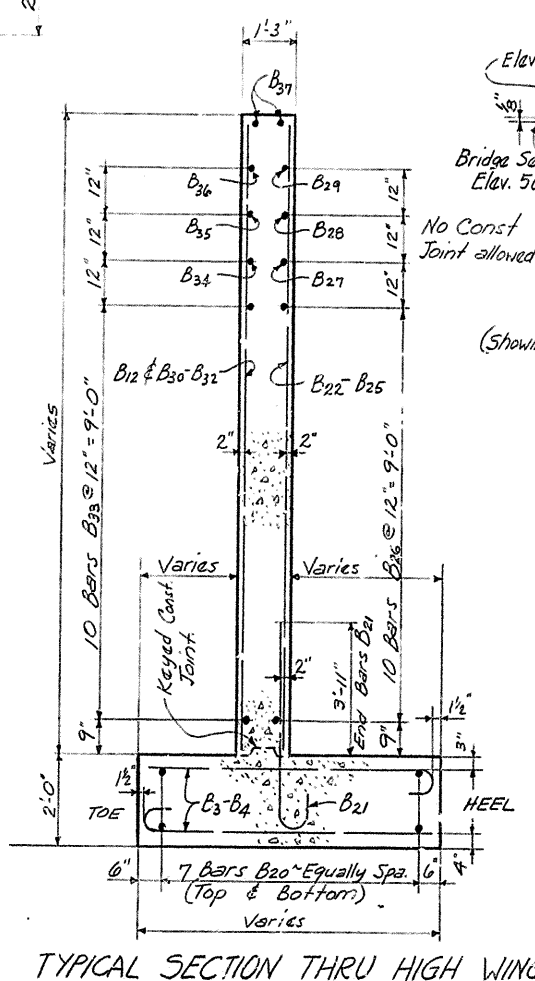
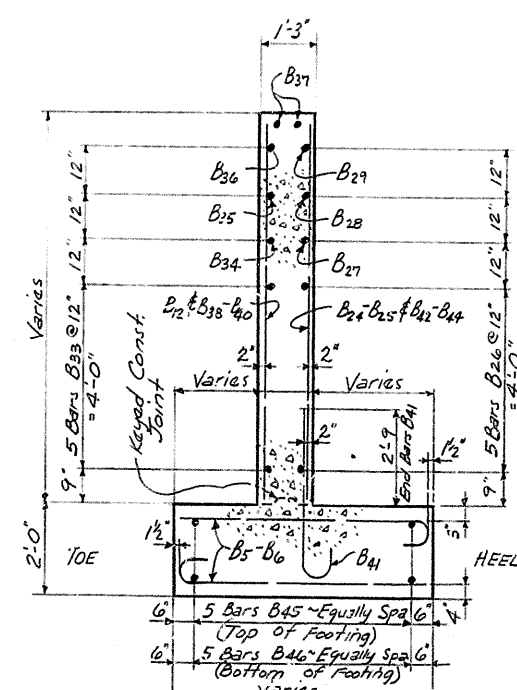
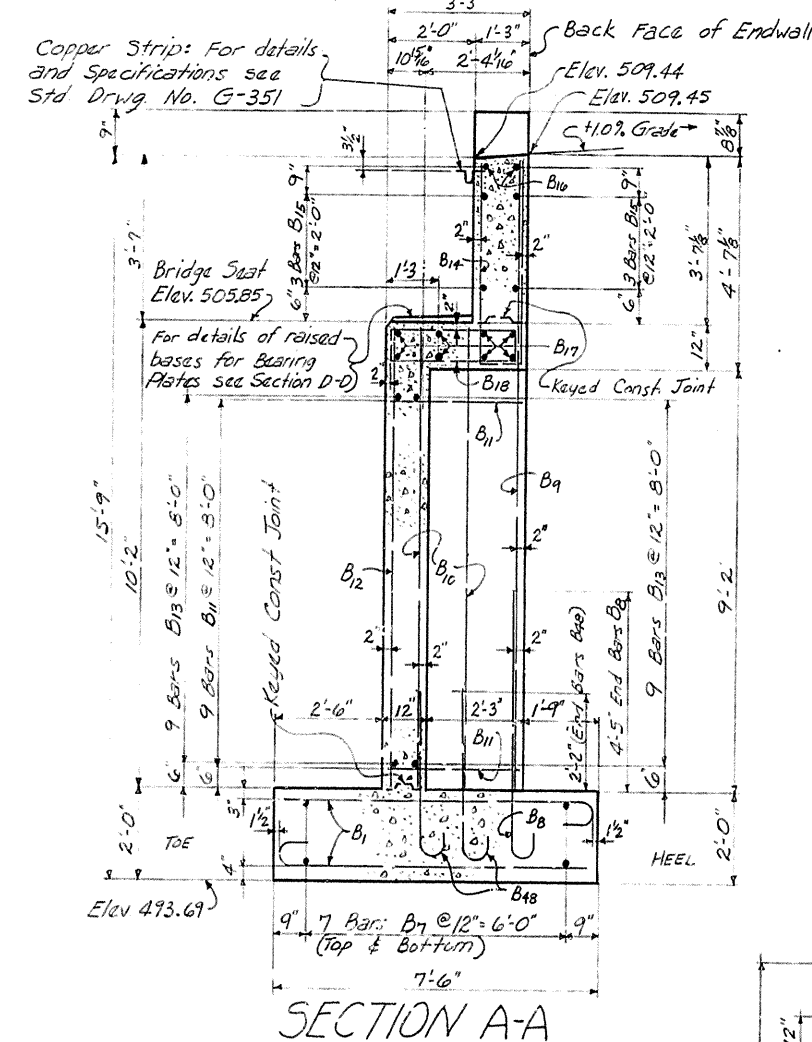
NOTE: Place 3" or 4" Clay Tile Drains as indicated about 8'-0" center to center, in accordance with Specifications. —



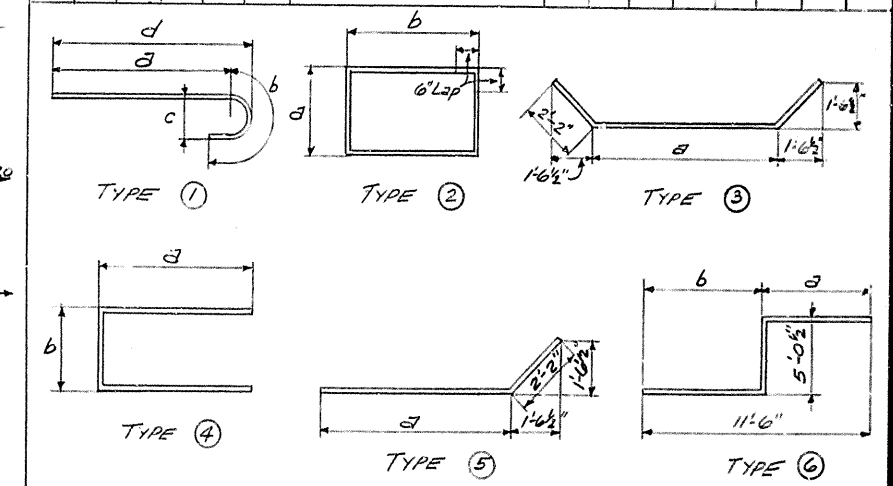
ELEVATION



ELEVATION B-B
(Showing Reinforcement in Front Face)



BILL OF REINFORCEMENT														
MARK	TYPE	No	SIZE	LENGTH		LOCATION	a		b		c		d	
				FT.	IN.		FT.	IN.	FT.	IN.	FT.	IN.		
B1	①	50	5/8"	7	11	Footing under Mainwall	6	11	1	0				
B2	"	28	"	7	2	Footings under Mainwall & Wings	6	2	1	0	0	8 1/2	7	2 1/2
B3	"	13	"	7	5	Footing under high wing	6	5	1	0	0	6 1/2	6	5 1/2
B4	"	4	"	7	0	"	6	0	1	0	0	6 1/2	6	3 1/2
B5	"	8	"	6	4	Footing under Low wing	5	4	1	0	0	6 1/2	5	7 1/2
B6	"	10	"	4	7	"	3	7	1	0	0	6 1/2	3	10 1/2
B7 Str.	14	24	0			Footing under Mainwall								
B8	①	12	7/8"	7	0	Dowels - Footing into Columns	5	6	1	0	0	10	5	11
B9 Str.	12	13	6			Back Face of Columns								
B10	"	31	5/8"	10	0	Back Face of Mainwall & Cols.								
B11	②	36	"	9	3	Columns - (Hoops)	1	3	3	0				
B2 Str.	27	"	10	0		Front Face - Mainwall & Wings								
B3 Str.	13	25	5			Mainwall (Horiz)	21	1						
B4	②	21	5/8"	9		Endwall (Vert)	4	2	0	11				
B15	③	6	5/8"	29	5	" (Horiz)	25	1						
B16 Str.	2	25	1			"								
B17	"	8	"	21	0	Bridge Seat (Horiz)								
B18	②	21	5/8"	7	11	" (Hoops)	0	8	2	11				
B19	④	4	3/4"	10	8	Endwall (Vert)	5	0	0	11				
B20 Str.	14	11	6			Footing under High wing								
B21	①	22	5/8"	6	5	Dowels - Wings into Footings	5	1	1	4	0	8 1/2	5	5 1/2
B22 Str.	3	"	10	10		Back Face - High wing								
B23	"	2	"	11	10	"								
B24	"	5	"	12	10	Back Face - Wings								
B25	"	2	"	10	10	"								
B26	⑤	15	3/4"	13	5	"	11	3						
B27	"	2	"	10	7	"	8	5						
B28	"	2	"	7	7	"	5	5						
B29	"	2	"	5	2	"	3	5						
B30 Str.	3	3 1/2"	10	10		Front Face - High wing								
B31	"	2	"	11	10	"								
B32	"	3	"	12	10	"								
B33	"	15	1/2"	10	6	Front Face - Wings								
B34	"	2	"	7	8	"								
B35	"	2	"	4	8	"								
B36	"	2	"	2	8	"								
B37	①	4	3/8"	9	5	Top of Wings	8	1	1	4	0	8 1/2	8	5 1/2
B38 Str.	3	3 1/2"	5	10		Front Face - Low wing								
B39	"	2	"	6	10	"								
B40	"	3	"	7	10	"								
B41	①	16	3/8"	5	0	Dowels - Low wing into Footings	4	0	1	0	0	6 1/2	4	3 1/2
B42 Str.	3	"	5	10		Back Face - Low wing								
B43	"	2	"	6	10	"								
B44	②	3	"	7	10	"								
B45	"	1	1/2"	16	4	Footing under Low wing	8	2	3	4				
B46	"	5	"	11	6	"	7	6	4	0				
B47 Str.	4	"	6	10		"								
B48	①	31	"	4	1	Analysis - Back Face Mainwall & Cols.	3	3	0	10	0	5	3	8



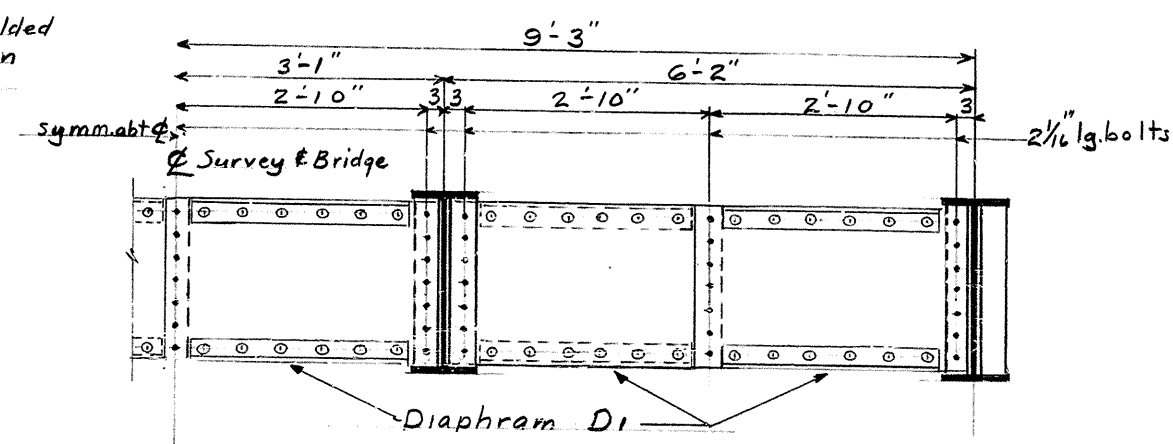
ESTIMATE OF QUANTITIES

Concrete, Class "A"	50.8	Cu. Yds.
Reinforcement	5080	Lbs.

BRIDGE OVER WILLIS CREEK Sheet 5

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CUMBERLAND
WHETSTONE SPUR
ROAD

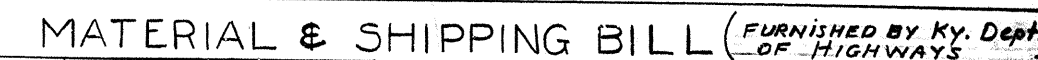
STATION 268+54 ⁰¹		PROJECT NO.	
BRIDGE NUMBER		DRAWING NO. 8837	INDEX



3" Thrd.
1" ϕ x 1-6" bolt - Hex Nut
1-6"

Technical drawing of a 12-inch wide door frame. The drawing shows a cross-section of the frame with dimensions in inches. The total width is 12". The top section is divided into two 6" segments. The bottom section is divided into two 6" segments. The left side is labeled "Bearing" and the right side is labeled "Stringer". The bottom section has two holes, each 1 1/4" in diameter. The distance between the holes is 3". The distance from the left edge to the first hole is 3". The distance from the second hole to the right edge is 3". The total height of the bottom section is 12". The bottom section is labeled "f" and "3/4" Fin."

Mark	Type	No.	Size	LENGTH		LOCATION
				FT.	IN.	
F1	①	32	5/8"	24	7	Slab
F2	Str.	62	"	23	10	"
F3	②	36	1/2"	6	6	Curbs
F4	Str.	59	"	31	3	Slab & Curbs
F5	"	30	"	5	0	End of Slab



ESTIMATE OF QUANTITIES

CONCRETE CLASS "A"	21.0	Cu yds.
REINFORCEMENT	3850	Lbs.



Bridge over Willis Creek Sheet 6

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF

CUMBERLAND
WHETSTONE SPUR

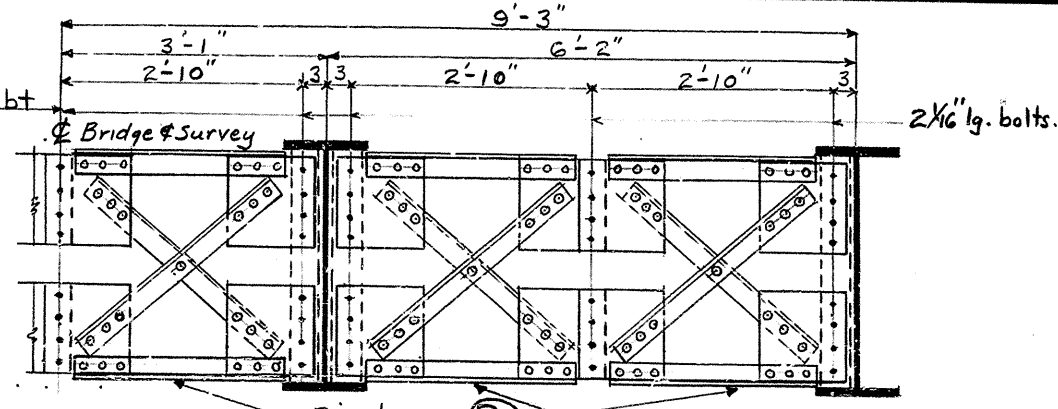
STATION 268+54 in

PROJECT NO.

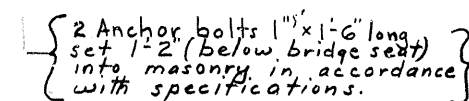
BRIDGE
NUMBER

DRAWING

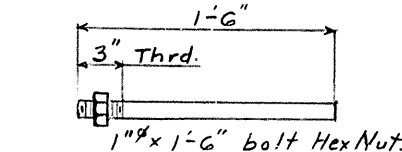
NO. 8837



Copper Strip - For details and specifications see Standard Drawing No. G-351



DETAIL AT
ABUTMENT-2



ANCHOR BOLT ABI



BEARING PLATE
BPI

TYPE ①

TYPE ②

Mark	UNIT	Unit Weight		Total Weight
		lbs.	Reqd.	
G2R stringer, outer, end (incl. splice)	~ 33 WF 132"	3075	2	6150
G2L " " " "	~ " "	3075	2	6150
G3 " " " center	~ " "	3491	2	6982
G4 " " " inner, end (incl. splice)	~ " "	3065	4	12260
G5 " " " center	~ " "	3495	2	6990
D3 Diaphragm, intermediate		154	30	4620
D4 " " end	18 W @ 42"	132	12	1584
BPI Bearing Plate	8 12 x 34 (in) x 10"	31	8	248
AB1 Anchor, Bolt	1" x 1-1/2 bolt hex nut	4.3	16	69
Total Structural Steel				45053
Bolt, erection, rough 7/8" x 3" thrd.	2 1/2 sq. hd., 1 sq. nut	1.12	425	476
" " structural, ribbed 7/8" x 2 1/4" button head	1 hex nut	.95	432	411
" " " 7/8" x 3" countersunk hd.	1 hex nut	1.10	160	176
" " " 7/8" x 2 3/4" button head	1 hex nut	1.04	352	366
" " " 7/8" x 3 3/4" countersunk hd.	1 hex nut	1.13	480	543
Washers, cut, for 7/8" dia. bolts.		.13	720	94
Total Metal in Bridge Set				47119

SHIPPING BILL		(2 spans)	From Stock
Mark	UNIT & DESCRIPTION		Price at Owensboro Ship
G2*	Stringer, outer end (incl. splice)	33w @ 132*	4
G2*	" " "	" " "	4
G3	" " center	" " "	4
G4	" " inner end (incl. splice)	" " "	8
G5	" " center	" " "	4
D3	Diaphragm intermediate		60
	and		
BP1	Bearing Plate		24
AB1	Anchor Bolt		16
			32
	Bolt erection rough $\frac{1}{8}$ " x 3 thrd 2 1/2" Sq hd	1-Sq Nut	8.50
	Bolt structural ribbed $\frac{1}{8}$ " x 2 1/4" buttonhead	1-hex nut	9.80
	" " " $\frac{1}{8}$ " x 3" csk head	"	3.80
	" " " $\frac{1}{8}$ " x 2 3/8" buttonhead	"	8.00
	" " " $\frac{1}{8}$ " x 3 1/4" csk head	"	10.80
	Washer, cut for $\frac{7}{8}$ " bolts.		14.40

CONCRETE CLASS "A" 40.9 Cu.Yds.
REINFORCEMENT 7510 Lbs.

Bridge over Willis Creek Sheet 7

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CUMBERLAND
WHETSTONE SPUR

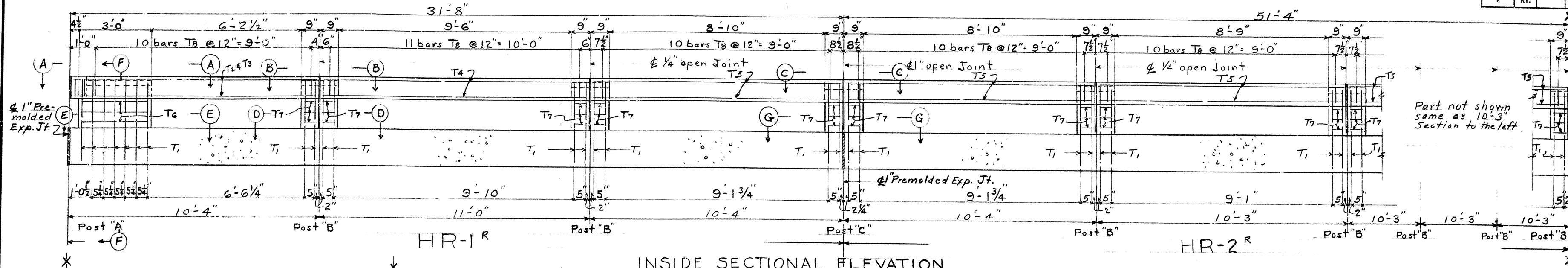
STATION 268+54.01		ROAD PROJECT NO.
BRIDGE NUMBER	DRAWING NO. 8837	INDEX



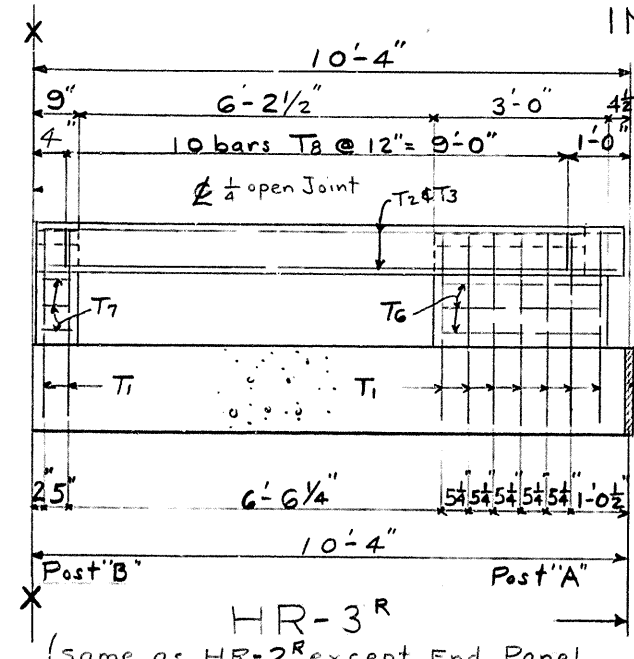
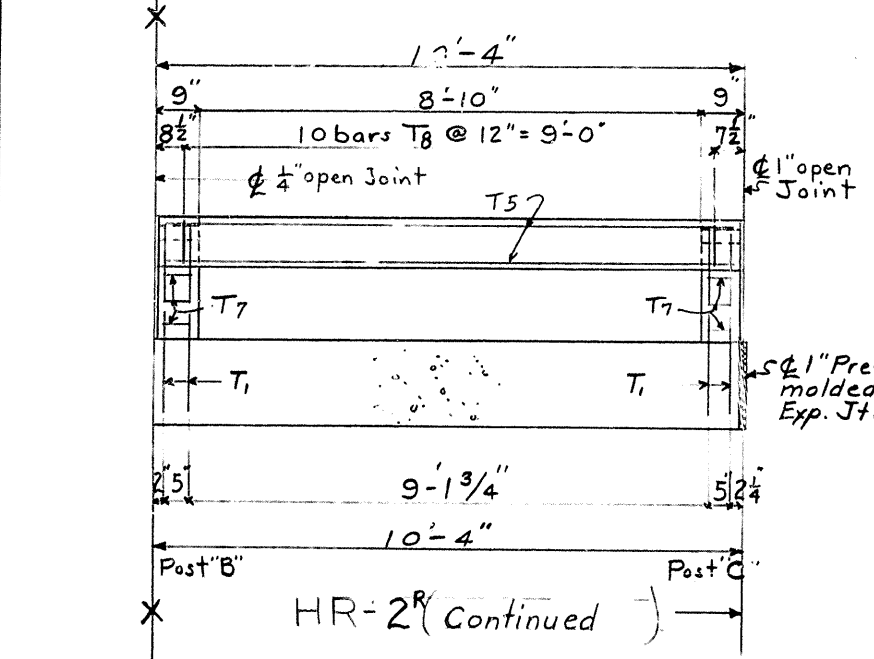
SECTION A-A

60'-0" I-BEAM SPAN SPANS 2 & 3

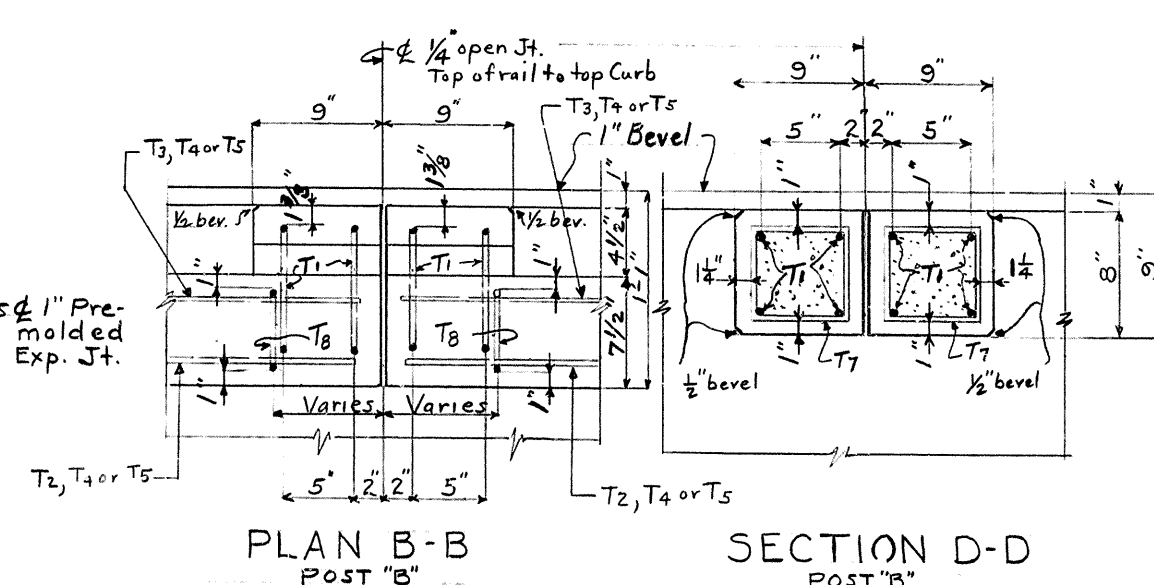
NOTE. Two Fill plates ($1\frac{1}{2} \times 8$ " and $1\frac{1}{2} \times 3\frac{1}{2}$ " - 2'-6") per bottom flange splice to be provided. Use if necessary to keep flanges in line. Use $3\frac{1}{2}$ " bolts on sides of splice where fill plates are required. When no fill plates are required use $3\frac{1}{2}$ " nuts on one side of splice and place washers under nuts.



HR-2^R



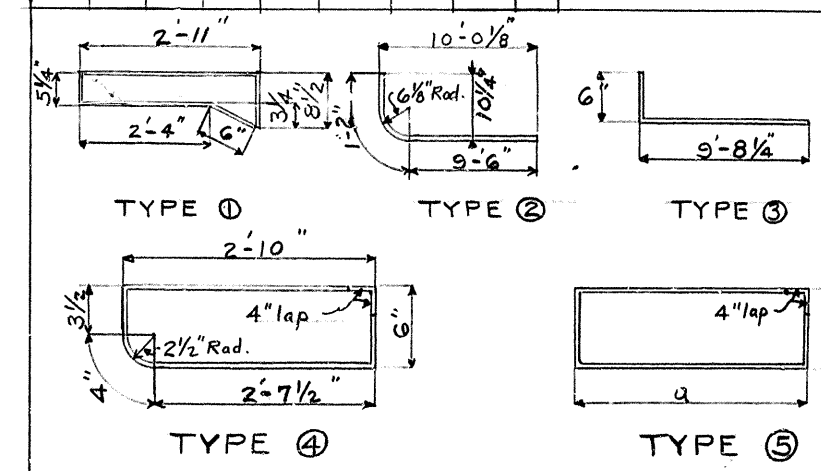
↑ HR-3^R
(same as HR-2^R except End Panel shown to Right of Line X-X)



SECTION D-D
POST "B"

Note - All exposed edges to be beveled $\frac{1}{2}$ " unless otherwise noted.

BILL OF REINFORCEMENT												
Mark	Type	NUMBER			Total No.	SIZE	LENGTH FT. IN.	LOCATION	a		b	
		HR1	HR2	HR3					FT	IN	FT	IN
T1	①	17	24	29	140	5/8"	6 7	Posts				
T2	②	2	-	2	8	5/8"	10 8	Post "A"				
T3	③	2	-	2	8	5/8"	10 1	Post "A"				
T4	Str.	4	-	-	8	5/8"	10 8	Rail				
T5	Str.	4	24	20	96	5/8"	9 11	Rail				
T6	④	3	-	3	12	3/4"	7 1	Hoop - Post "A"				
T7	⑤	15	36	33	168	3/4"	2 7	Hoop - Post "B" & "C"	0	6	0	6
T8	⑥	33	60	62	310	3/4"	2 9	Hoop - Rail	0	8	0	5



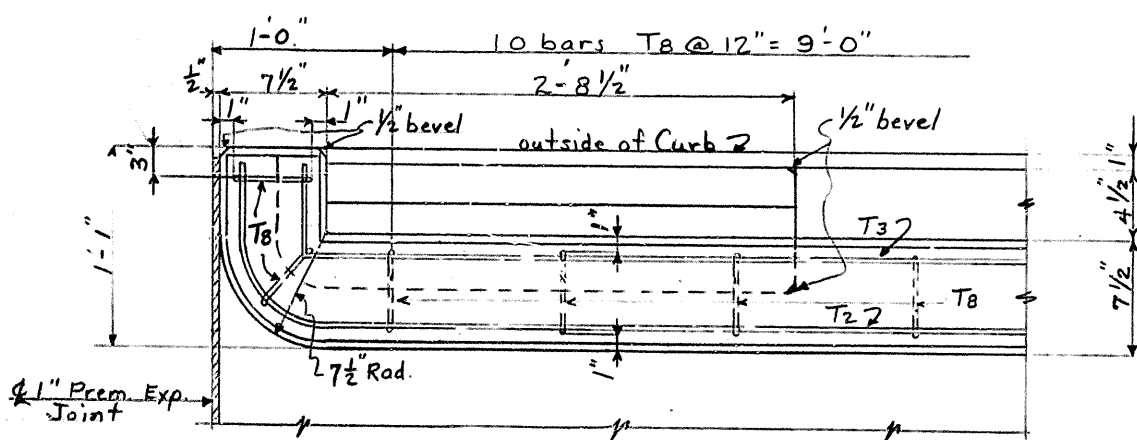
TYPE ①

TYPE ②

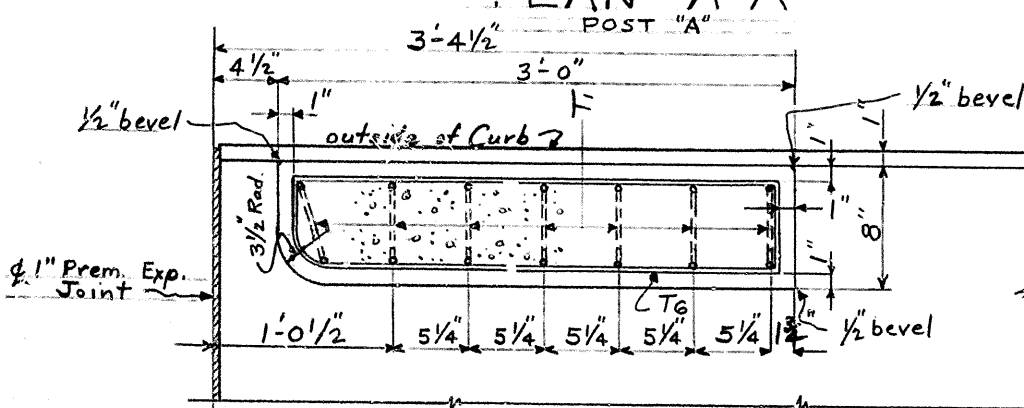
TYPE 3

TYPE

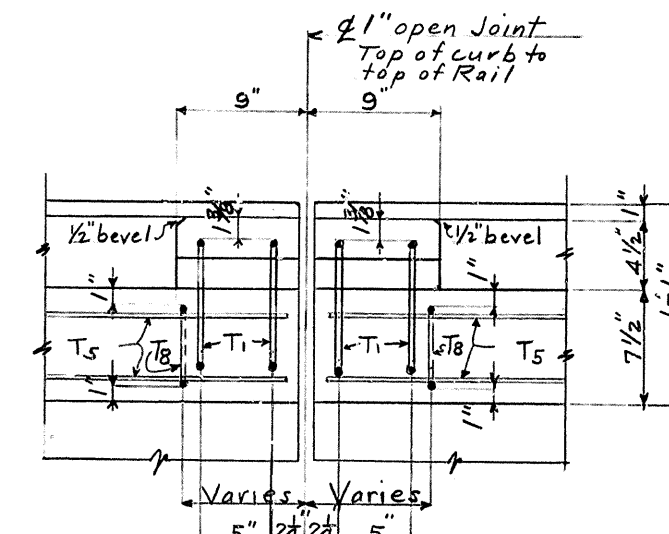
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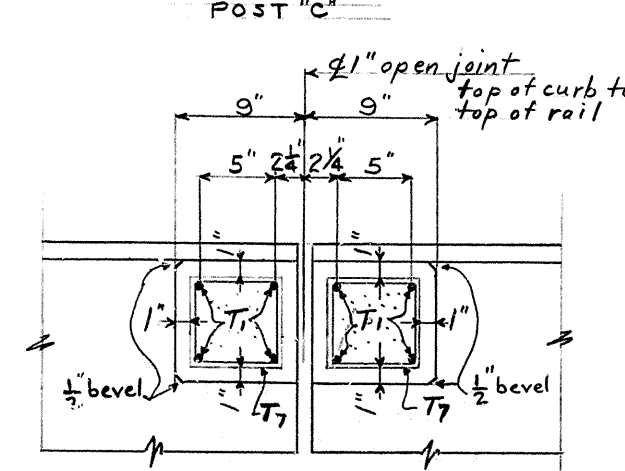
PLAN A-A



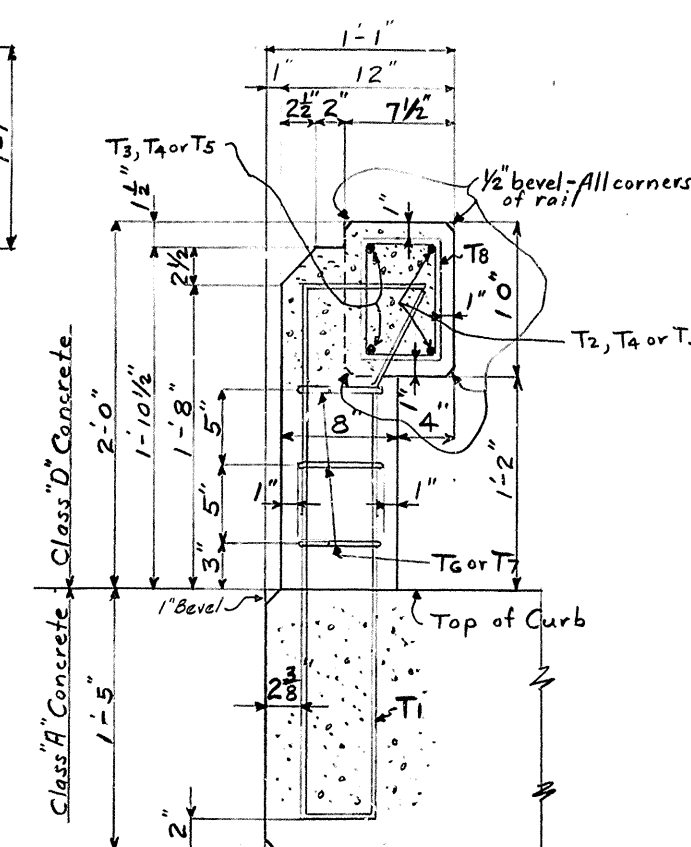
SECTION E-E



PLAN C-C
POST "C"

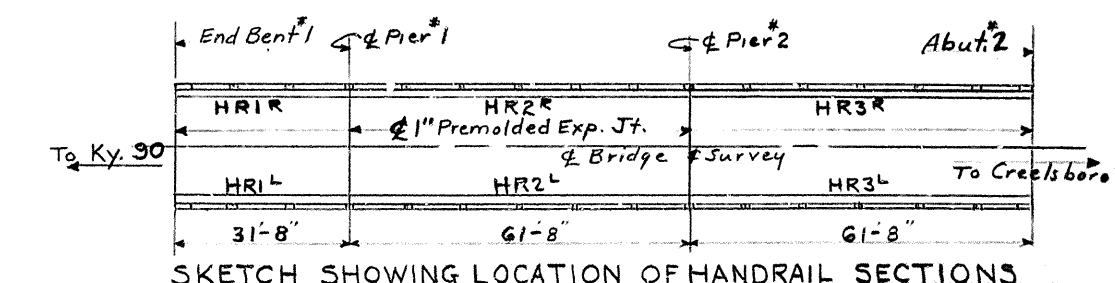


SECTION G-G
POST "C"



SECTION F-F
Posts "A"-"B"-"C"

HANDRAIL



SKETCH SHOWING LOCATION OF HANDRAIL SECTIONS

ESTIMATE OF QUANTITIES

CONCRETE CLASS "D"	8.0 Cu.Yds.
REINFORCEMENT	2730 Lbs.

Bridge over Willis Creek

Sheet 8

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CUMBERLAND
WHETSTONE SPUR

STATION 268+54.91

PROJECT NO.

BRIDGE
NUMBER

DRAWING

NO. 8837

INDEX

