

GENERAL NOTES

Lot of 16" Oak 155' Rt. of Sta. 1492+30.

Structure see Drawings 15010A & 1492B

Structure see Drawings 15010 & 1499U.

4 5 are to be driven after embankment

of piles shown are for estimating purpose

to be determined in the field.

Dent 3 & one 40' test pile in Dent 5. Piles are

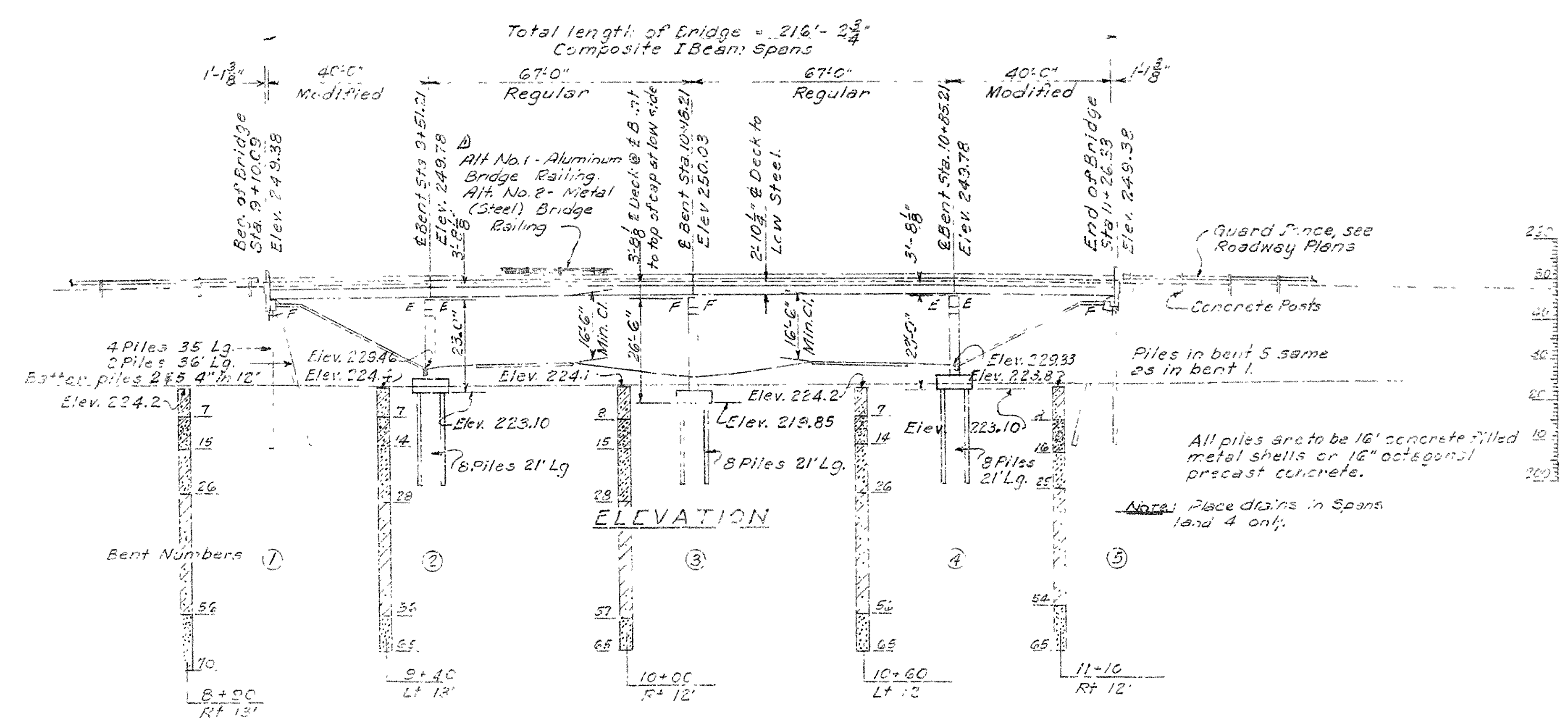
proved air, steam or diesel hammer to

of 3E tons (to a min. penetration of 20 feet.

Concrete Piers see Drawing No. 2382.

Filled Metal Sheils see Drawing No.

Riprap see Drawing No. 15030.



Fine sandy clay, moist.
 Fine sandy clay.
 Fine sandy clay.
 Medium fine sandy
 clay, wet.
 Fine silty, trace
 of silty, moist.
 Compact fine sandy clay

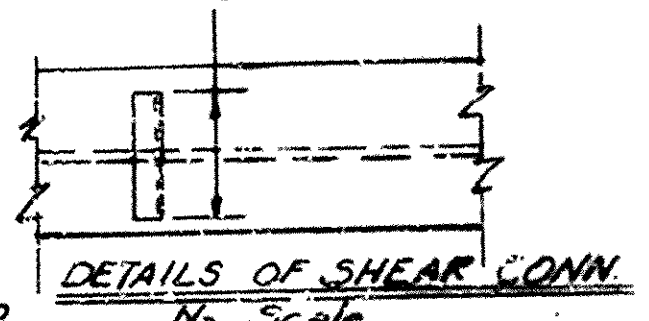
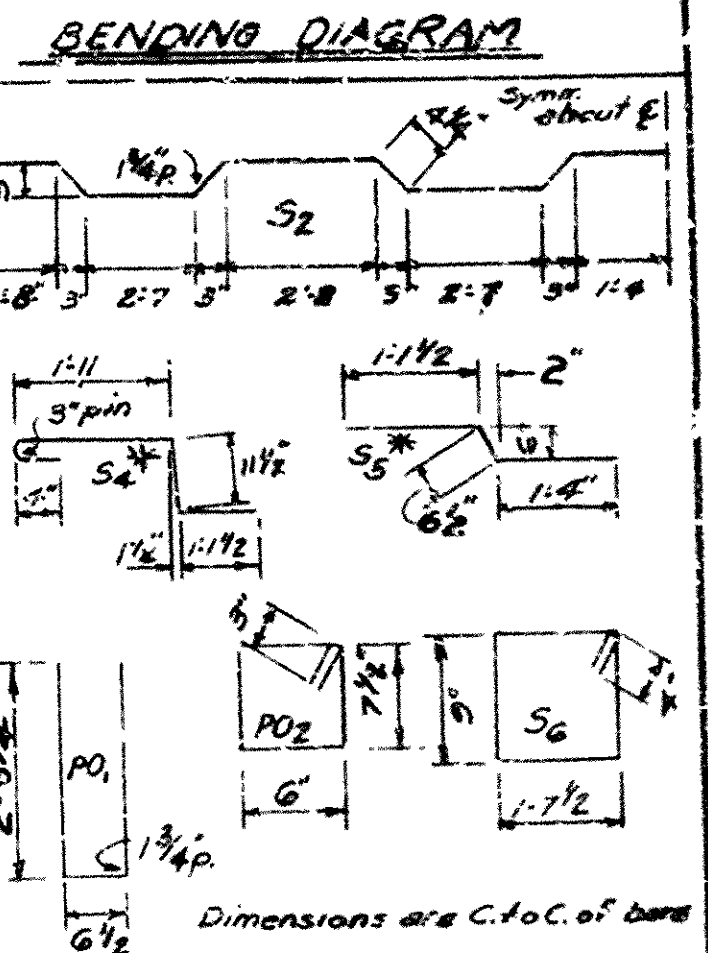
All piles are to be 16' concrete filled ¹⁶
metal shells or 16" octagonal
precast concrete. ²⁶

Note: Place drains in Spans
and 4 only.

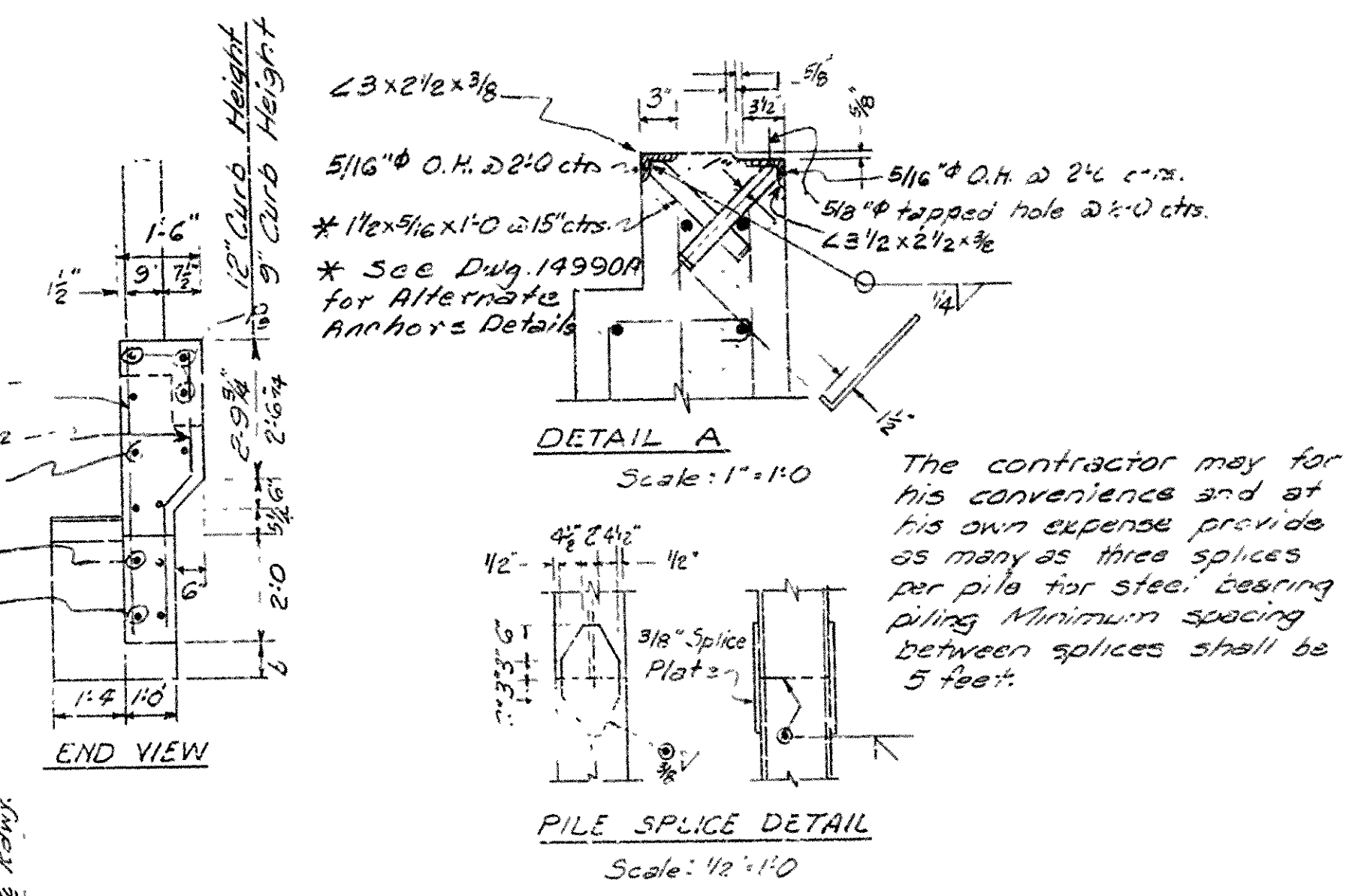
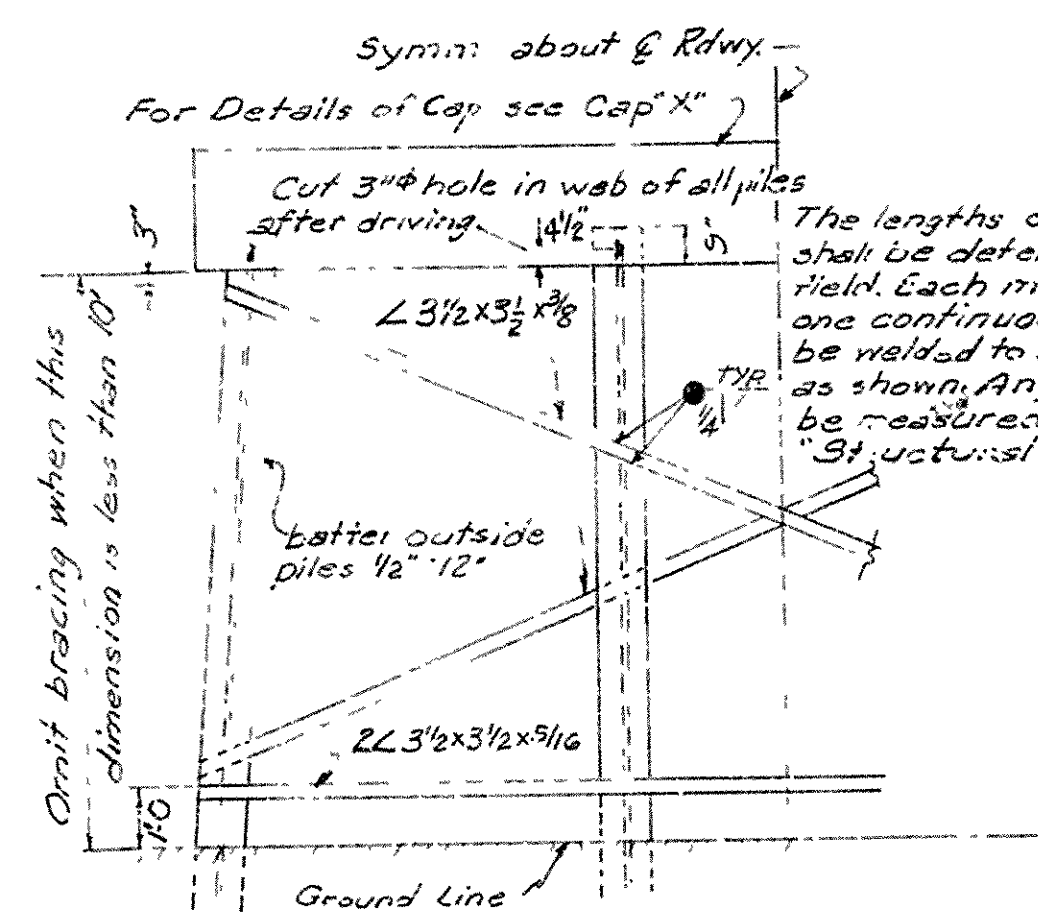
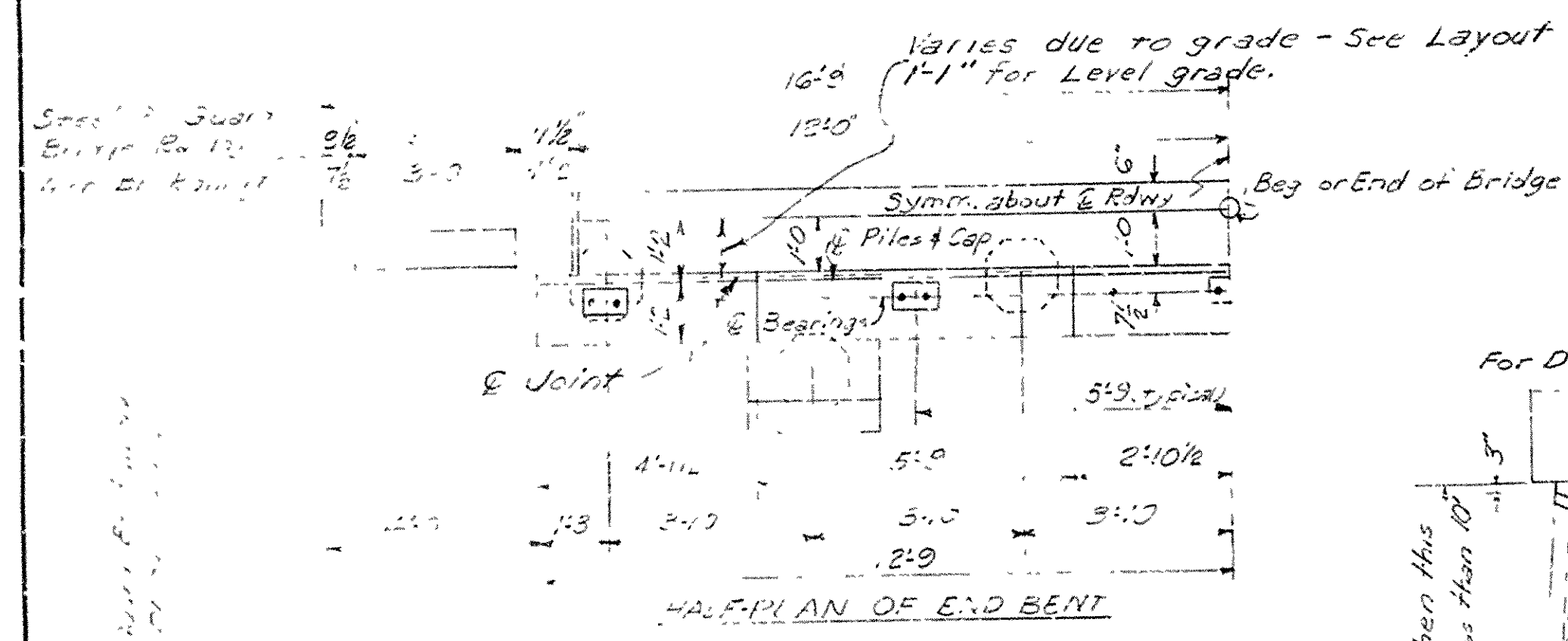
LAYOUT OF
STATE HWY. 249 UNDERPASS
LONOKE CO. LINE — HAZEN
PRAIRIE COUNTY
INT. ROUTE 40 SEC. 4
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY: W. E. W. DATE: 4-18-62
 TRACED BY: _____ DATE: _____ SCALE: 1" = 20' 0"
 CHECKED BY: E. J. DATE: 4-26-62
 BRIDGE NO. 3672 DRAWING NO. 12035

A Railing H/H added 12-5-62 JFL

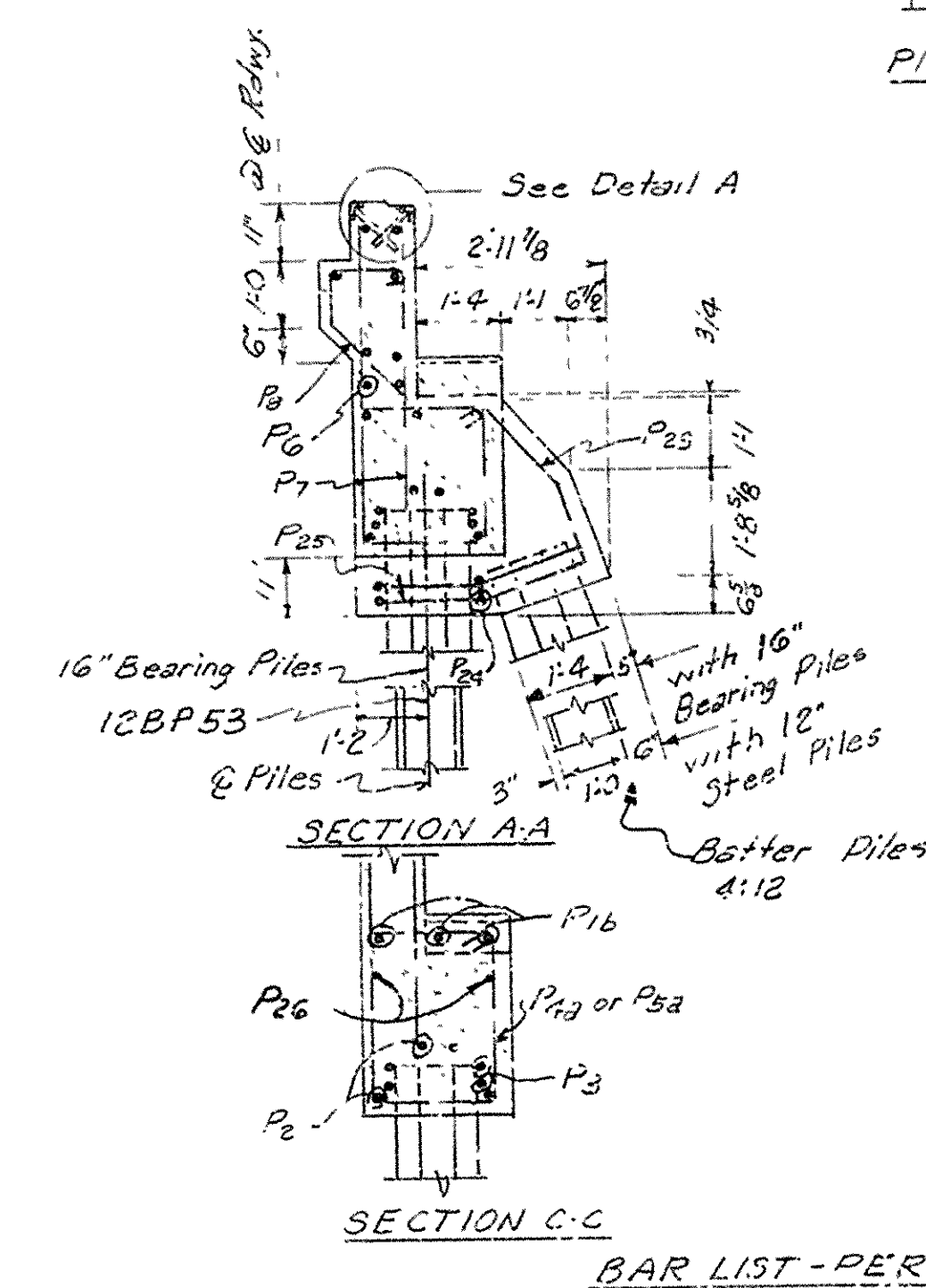
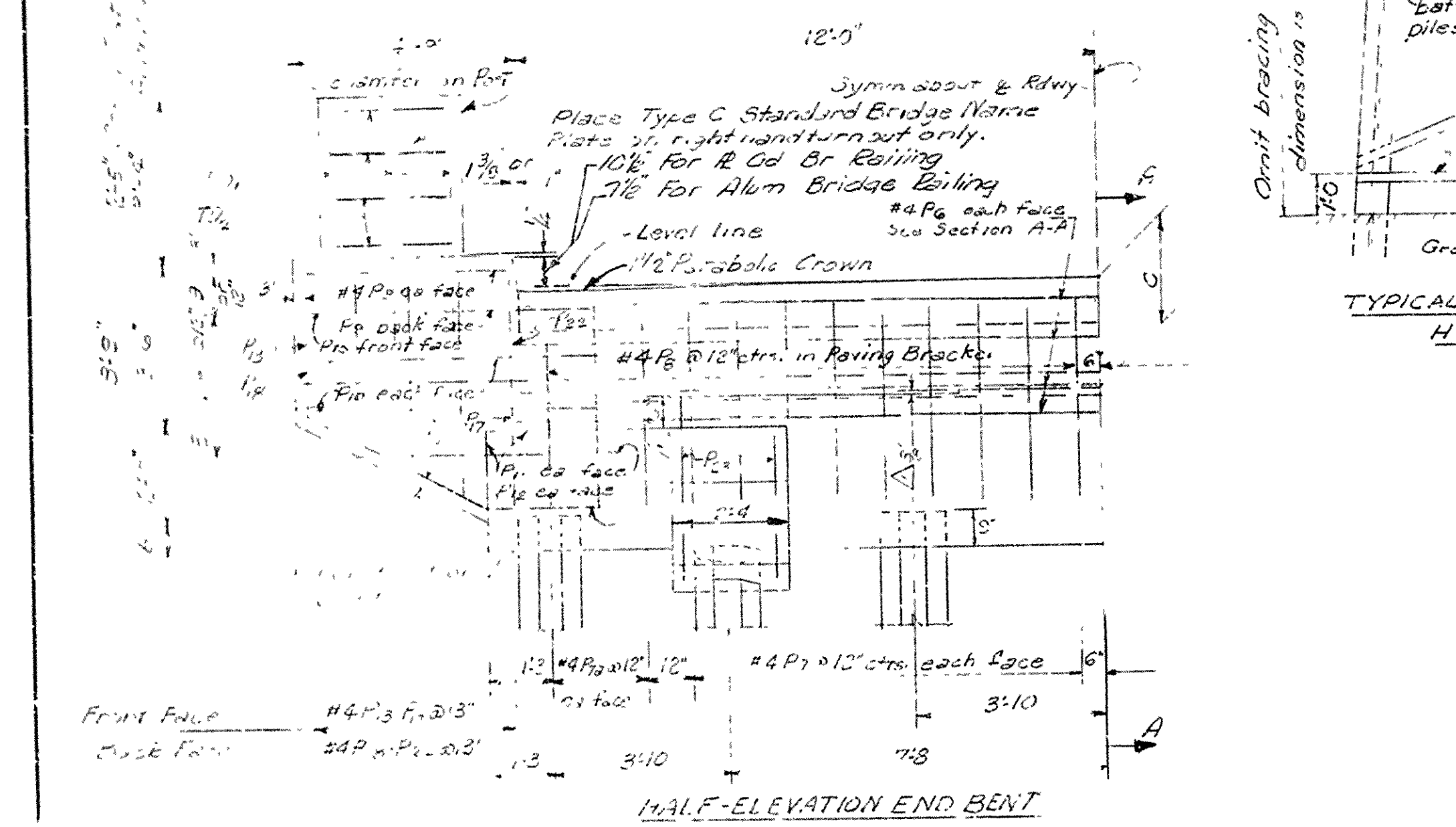


DETAILS OF STANDARD
35'-90' COMPOSITE I-BEAM SPANS
24'-0" CLEAR RDWY. 1'-0" & 1'-1 1/2" CURBS
ROUTE SEC.
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
DESIGNED BY: WAS DATE: 4-12-62
CHECKED BY: FMH DATE: 4-19-62
SCALE: 1/2" = 1'-0"
DRAWING NO. 15010 (REV)



VARIABLE DIMENSIONS FOR END BENTS									
SPAN LENGTH	END SPAN BEAMS		VARIABLES				CAP USED		
	INTERIOR	EXTERIOR	a	b	c	d			
35'-44'	21WF55	21WF55	1"	2 1/4"	2'-5 1/8"	-	X		
		24WF68	3 3/8"	3 3/8"			4"	Y	
		27WF84	6 3/8"	8 1/8"			7"	Y	
		30WF99	9 3/8"	10 3/8"			10"	Y	
		33WF118	12 3/8"	14 3/8"			13"	Y	
		36WF135	15 3/8"	18 3/8"	2'-5 1/8"	15"	Y		
45'-49'	21WF62	21WF62	1"	2 3/8"	2'-5 1/8"	-	X		
		24WF68	3 3/8"	3 3/8"			4"	Y	
		27WF84	6 3/8"	8 1/8"			7"	Y	
		30WF99	9 3/8"	10 3/8"			10"	Y	
		33WF118	12 3/8"	14 3/8"			13"	Y	
		36WF135	15 3/8"	18 3/8"	2'-5 1/8"	15"	Y		
49'-53'	24WF63	24WF63	1"	5 3/8"	3'-5 1/8"	-	X		
		27WF84	3 3/8"	8 1/8"			4"	Y	
		30WF99	6 3/8"	10 3/8"			7"	Y	
		33WF118	9 3/8"	14 3/8"			10"	Y	
		36WF135	12 3/8"	16 3/8"			13"	Y	
54'-57'	24WF76	24WF76	1"	5 3/8"		-	X		
		27WF84	3 3/8"	8 1/8"			4"	Y	
		30WF99	6 3/8"	10 3/8"			7"	Y	
		33WF118	9 3/8"	14 3/8"			10"	Y	
		36WF135	12 3/8"	16 3/8"	2'-5 1/8"	15"	Y		
55'-60'	27WF84	27WF84	1"	3 3/4"	2'-11"	-	X		
		30WF99	3 3/8"	10 3/8"			4"	Y	
		33WF118	7"	14 3/8"			7"	Y	
		36WF135	9 3/8"	16 3/8"			10"	Y	
65'	27WF94	27WF94	1"	5 3/8"		-	X		
		30WF99	3 3/8"	10 3/8"			4"	Y	
		33WF118	7"	14 3/8"			7"	Y	
		36WF135	9 3/8"	16 3/8"	2'-11"	15"	Y		
70'	30WF99	30WF99	1"	10 3/8"	3'-1 1/8"	-	X		
		33WF118	4 3/8"	14 3/8"			4"	Y	
		36WF135	6 3/4"	16 3/8"	3'-1 1/8"	7"	Y		
75'	33WF118	33WF118	1"	14 3/8"	3'-5"	-	X		
		36WF135	3 3/8"	16 3/8"	3'-5"	4"	Y		

Use Cap 'X' for all intermediate bents



BAR LIST - PER BENT									
NO.	SIZE (IN.)	NO. REB.	IN CAP 'X' CAP 'Y'	LENGTH	A	B	PIV DIA	BENDING DIAGRAM	
P1	8	3	3	25'-2"	-	-	Str.	A	B
P1B	8	-	-	7'-4"	-	-	Str.		
P1b	8	-	-	16'-11"	-	-	Str.	C	D
P2	6	4	4	25'-2"	-	-	Str.		
P3	6	4	4	22'-4"	13'-6"	1'-5"	2 1/4"	E	F
P4	4	43	43	8'-9"	8'-11 1/2"	1'-11 1/2"	1 1/8"		
P4a	4	-	-	29'-8 3/4"	24'-1 1/2"	1'-11 1/2"	1 1/8"	G	H
P5	6	12	12	6'-1"	2'-11 1/2"	1'-11 1/2"	2 1/4"		
P5a	6	-	-	6'-1" 2d	2'-11 1/2"	1'-11 1/2"	2 1/4"	I	J
P6	6	-	-	24'-0"	-	-	Str.		
P7	4	-	-	36'-0"	4'-0"	-	Str.	K	L
P8	4	-	-	24'-0"	4'-0"	-	Str.		
P9	4	-	-	4'-5"	-	-	Str.	M	N
P10	4	-	-	10'-0"	6'-3"	-	Str.		
P11	4	-	-	3'-6"	-	-	Str.	O	P
P12	4	-	-	5'-10"	1'-5"	4'-2"	1 1/8"		
P13 to P17	4	-	-	Varies 5'-3" to 5'-5"	-	-	Str.	Q	R
P18 to P22	4	-	-	Varies 3'-5" to 5'-7"	2'-4"	Varies 0'-5" to 2'-7"	1 1/8"		
P23	4	-	-	4'-10"	-	-	3 1/4"	S	T
P24	4	-	-	4'-11"	-	-	0'-5"		
P25	6	-	-	10'-10"	1'-8"	3'-5"	2 1/4"	U	V
P26	4	-	-	12'-0"	4'-0"	-	5'-4"		
P27	4	-	-	12'-0"	5'-2"	-	Str.	W	X
P28	3	-	-	8'-0"	2'-9"	0'-6"	1 1/8"		
P29	4	-	-	15'-4"	-	-	Str.	Y	Z
P30	4	-	-	15'-4"	-	-	Str.		

For Plate Girder Bridge Bending add 3" to lengths of P13-P22 increasing dimension A of P18 P22.

NOTE:
All concrete to be Class 5. All exposed corners to have 3/4" chamfer unless otherwise noted.
All piling shall be driven to a minimum capacity of 36 tons per pile. Piling shall be either 12BP53, 16 Desagoril Precast Concrete Piles, or Concrete Filled Metal Shell Piles as shown on Layout.
All structural steel except steel piles shall be ASTM A-36 steel.
This drawing is a modification of drawing 5340A.

Rev. Step Dimensions
Construction Joint
2-27-62 J.A.S.

DETAILS OF STANDARD PILE BENTS FOR COMPOSITE I-BEAM SPANS

INT. SPANS 35'-50'
END SPANS 35'-75'

24' CLEAR ROADWAY 1'-0" OR 1'-1 1/2" CURBS
ROUTE SEC.

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

DRAWN BY L. J. F. DATE: 3-13-62
TRACED BY DATE: 4-13-62
CHECKED BY J.A.S. DATE: 4-13-62
BRIDGE NO. DATE: 4-13-62
DRAWING NO. 15010A

L. J. F.
BRIDGE ENGINEER