

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	136A	1927	1	4

STATE OF ARKANSAS
STATE HIGHWAY DEPARTMENT

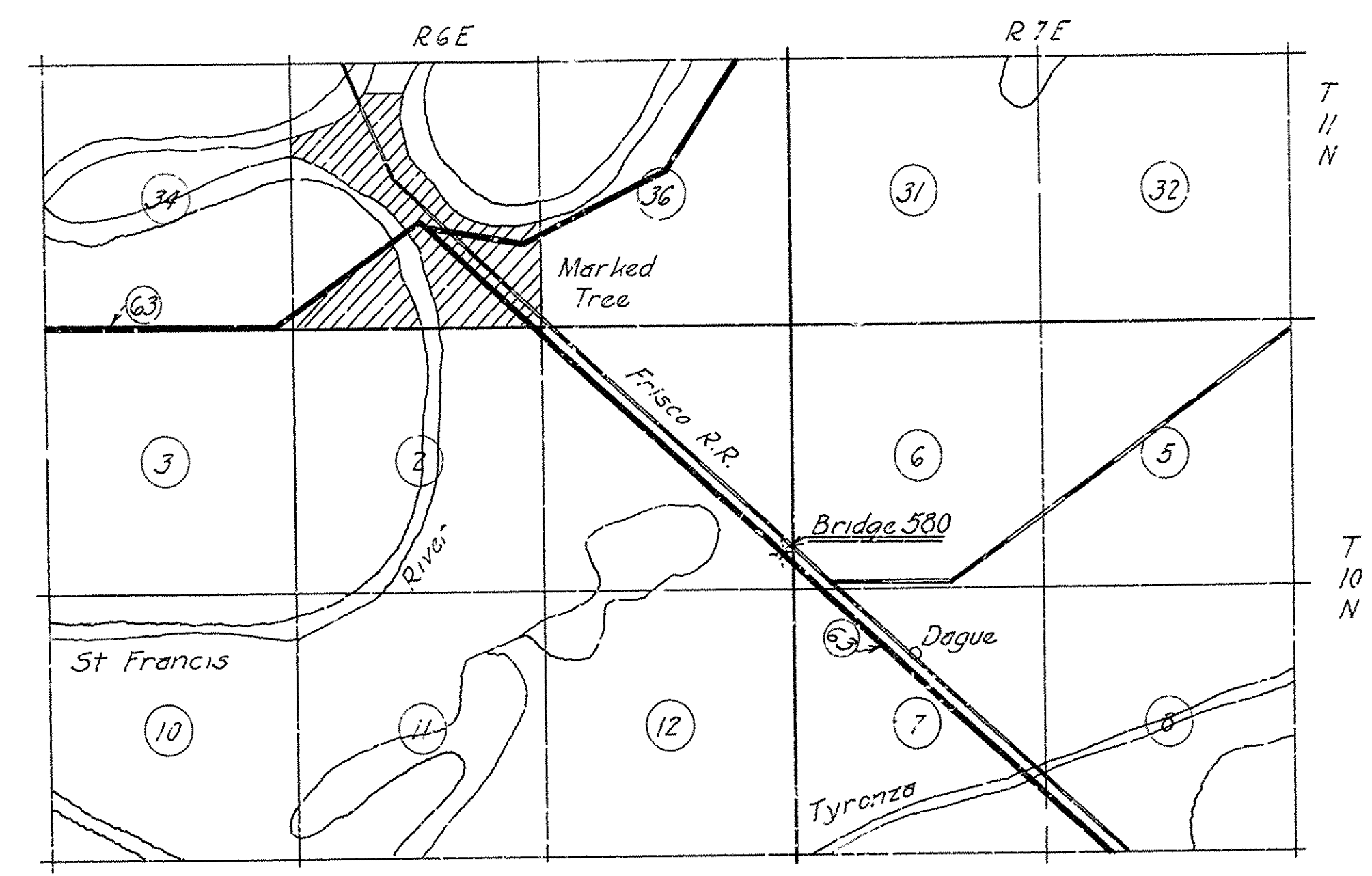
PLAN OF PROPOSED BRIDGE
OVER
DITCH NO 9
MARKED TREE - TYRONZA ROAD
POINSETT COUNTY
ROUTE 63-SECTION 8
JOB No. 1075
FEDERAL AID PROJECT No.

INDEX OF SHEETS

Sheet 1	Drawing 479	Title Sheet
" 2	" 480	General Layout
" 3	" 481	Details Spans & Piers
" 4	" 482	Details of Abutment

QUANTITIES

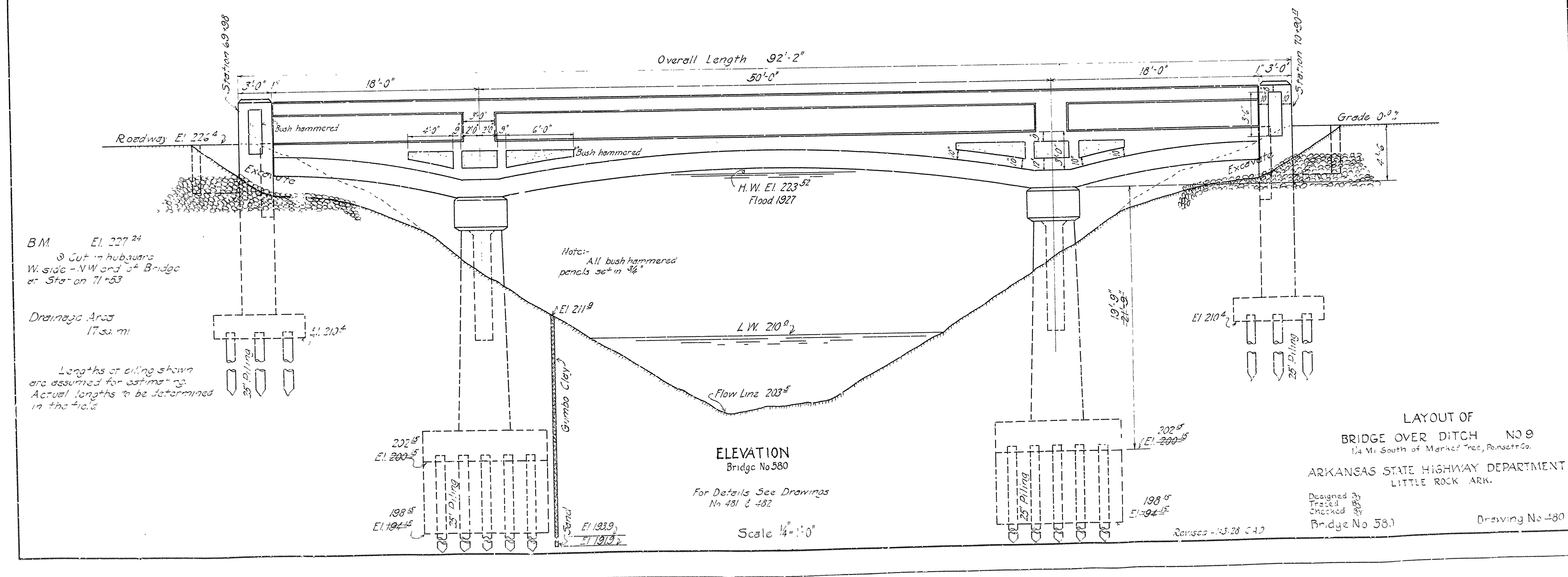
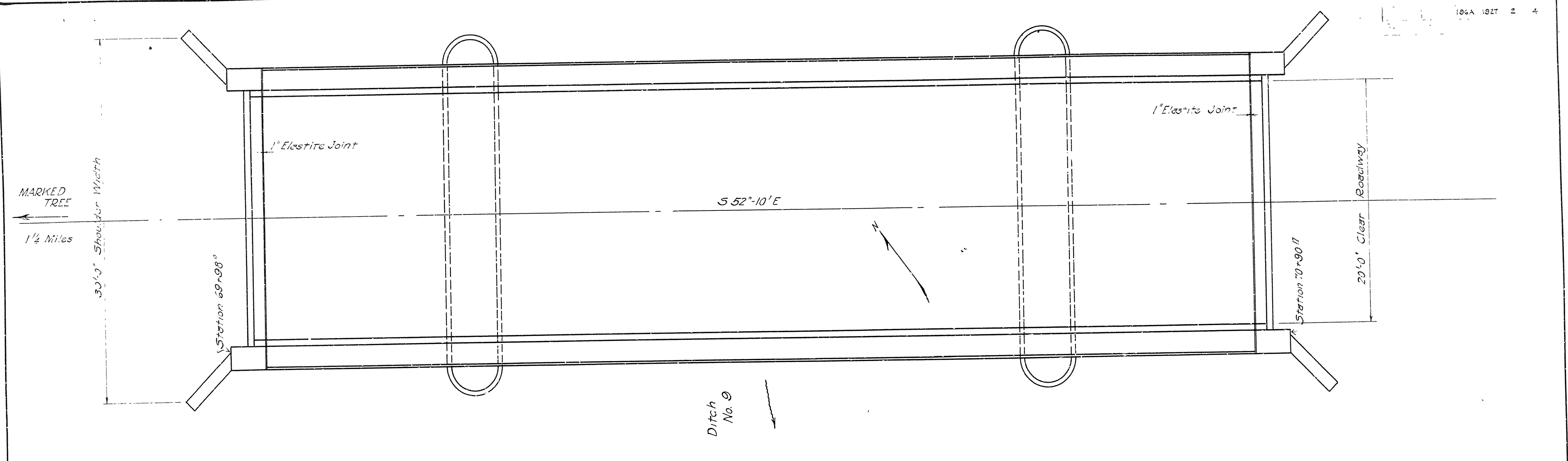
Item No 13	Dry Excavation	297 Cu Yds
" " "	Wet	35 40 " "
" " 54	Seal concrete	203 208 " "
" " "	C.I.A. concrete	176 181 " "
" " "	C.I.S.	148 " "
" " 55	Rein. Steel	214 219 lbs.
" " 66	Timber Pile (untreated)	1800 Lin. ft.
" " 69	Rip Rap (1' thick)	67 Sq Yds



LAYOUT

Scale: 1" = 1/2 Mi
GROSS LENGTH OF PROJECT 92'-2" = .018 Mi
NET LENGTH OF PROJECT 92'-2"

APPROVED
COMMISSIONER STATE LANDS HIGHWAYS AND IMPROVEMENTS
APPROVED
STATE HIGHWAY ENGINEER
RECOMMENDED FOR APPROVAL
DISTRICT ENGINEER IN CHARGE OF PUBLIC ROADS
RECOMMENDED FOR APPROVAL
CHIEF ENGINEER U. S. BUREAU OF PUBLIC ROADS
APPROVED
DIRECTOR U. S. BUREAU OF PUBLIC ROADS



B.M. El. 227'-24"
 @ Cut-in hubguard
 W. side - NW end of Bridge
 at Station 71+53

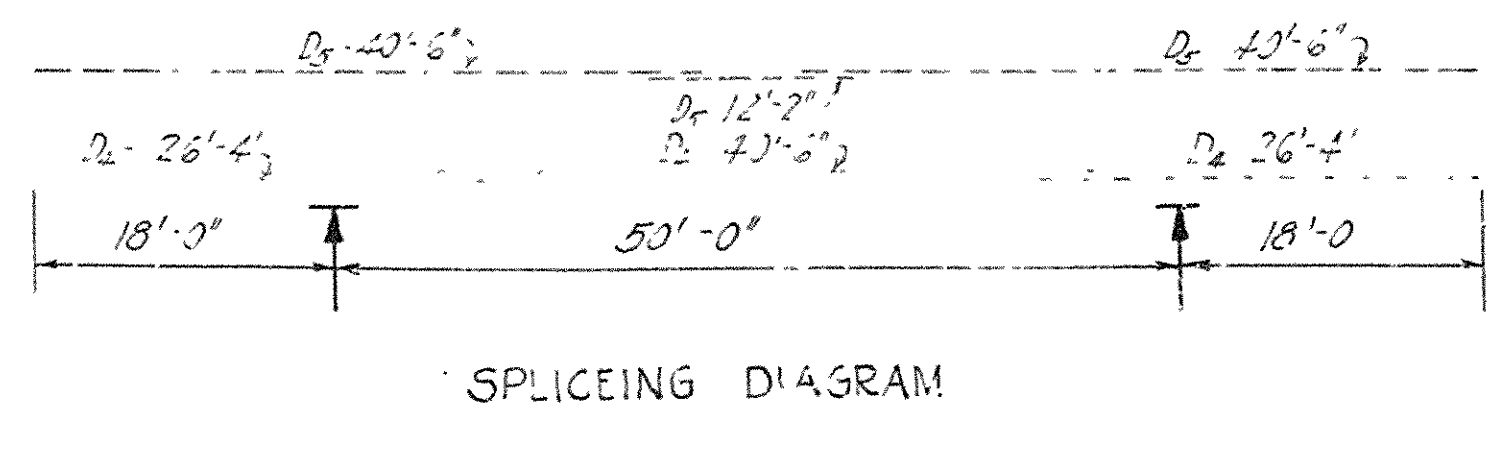
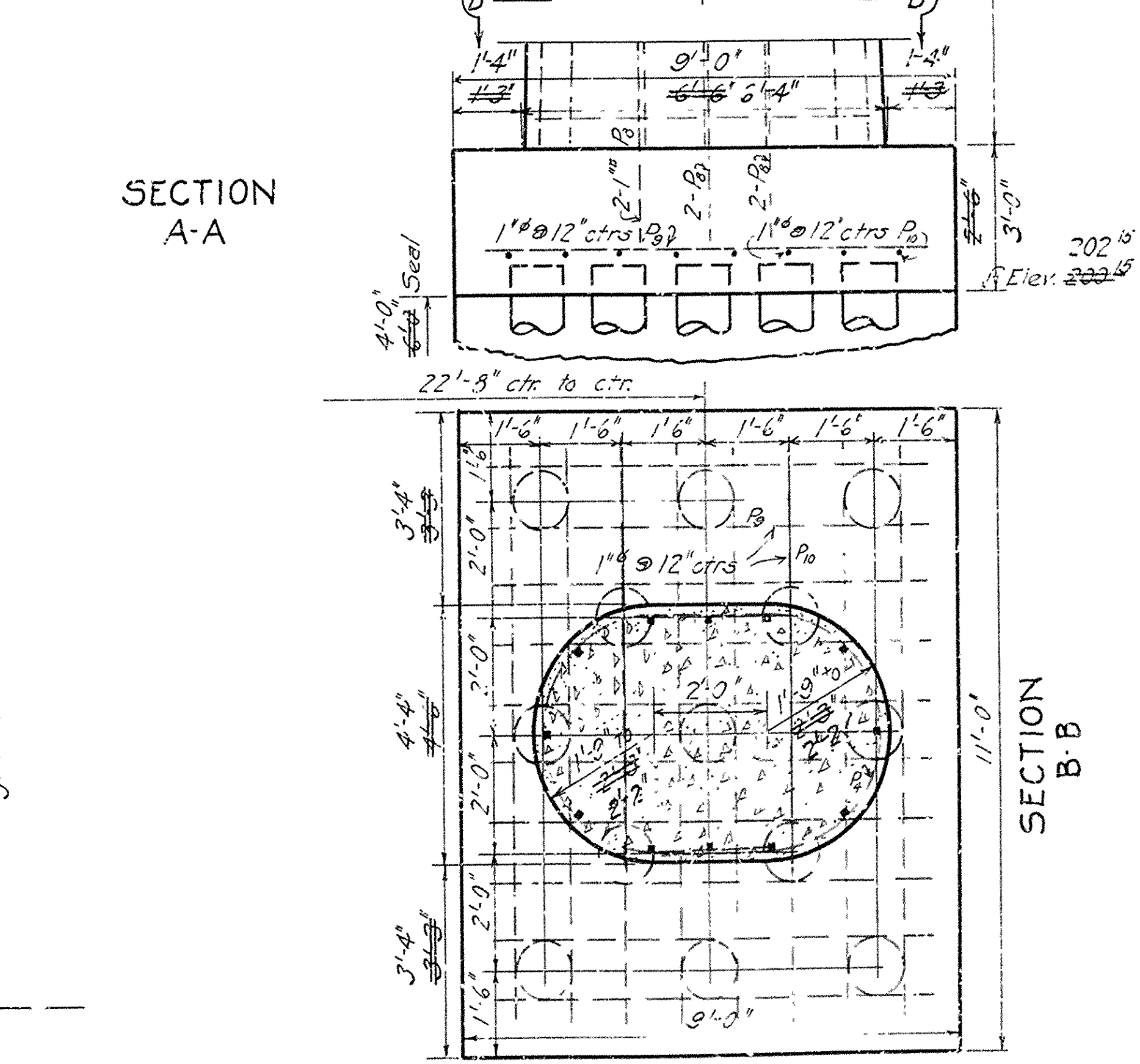
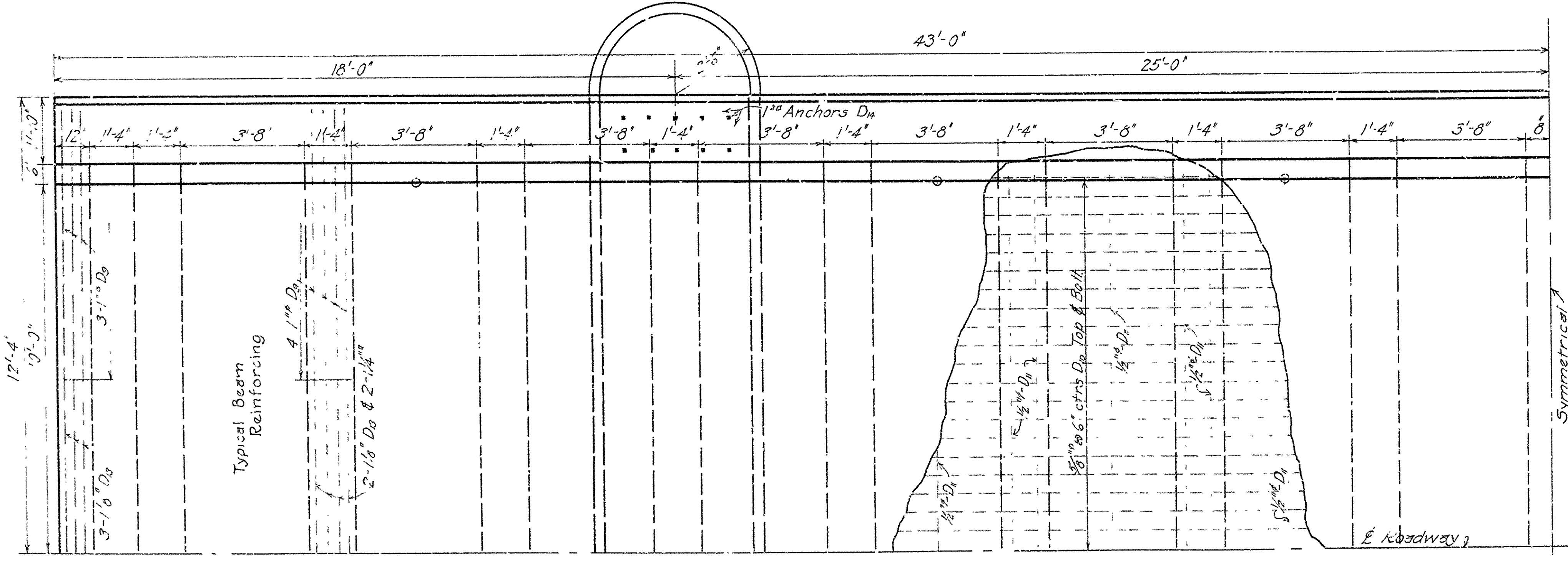
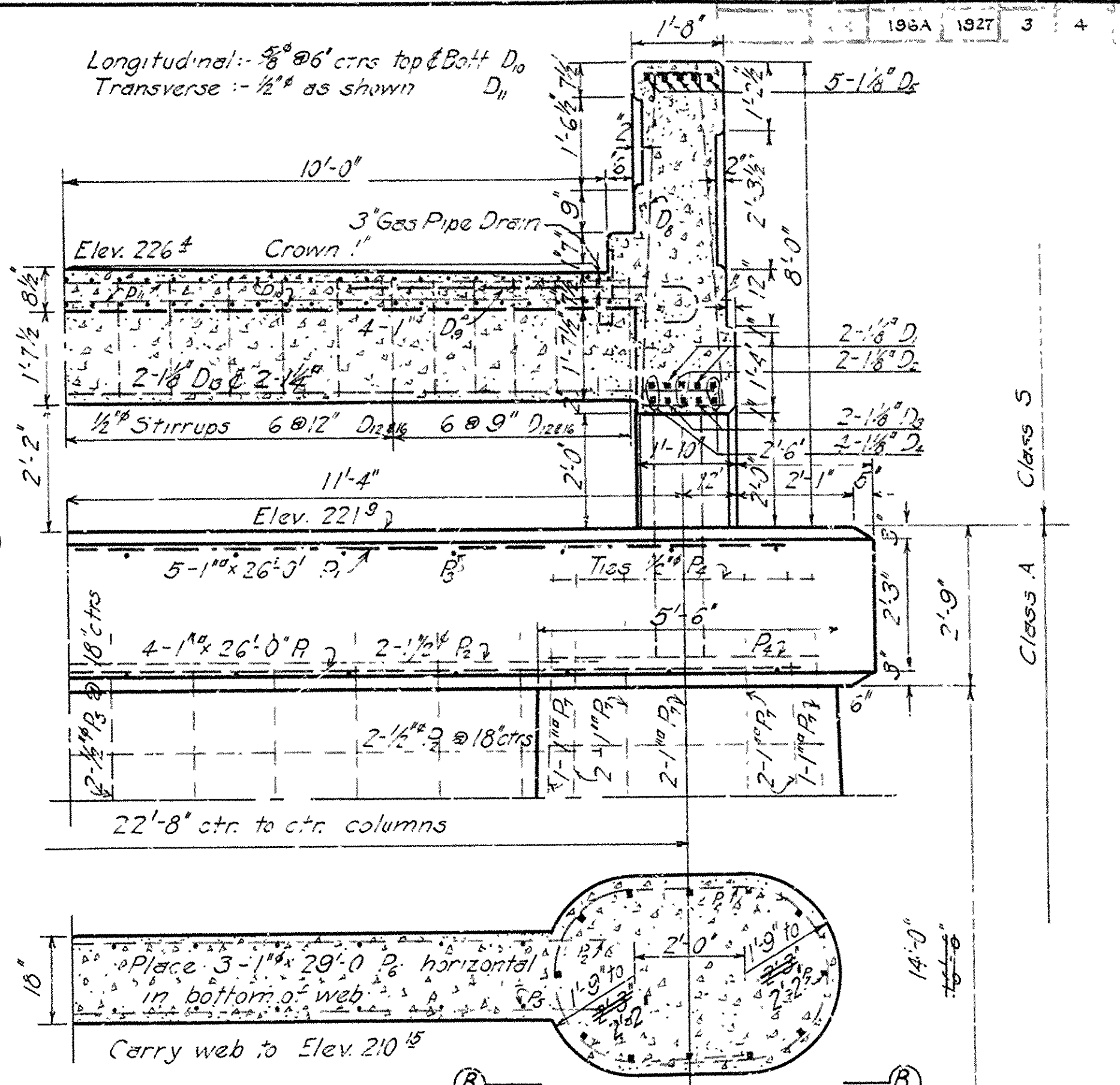
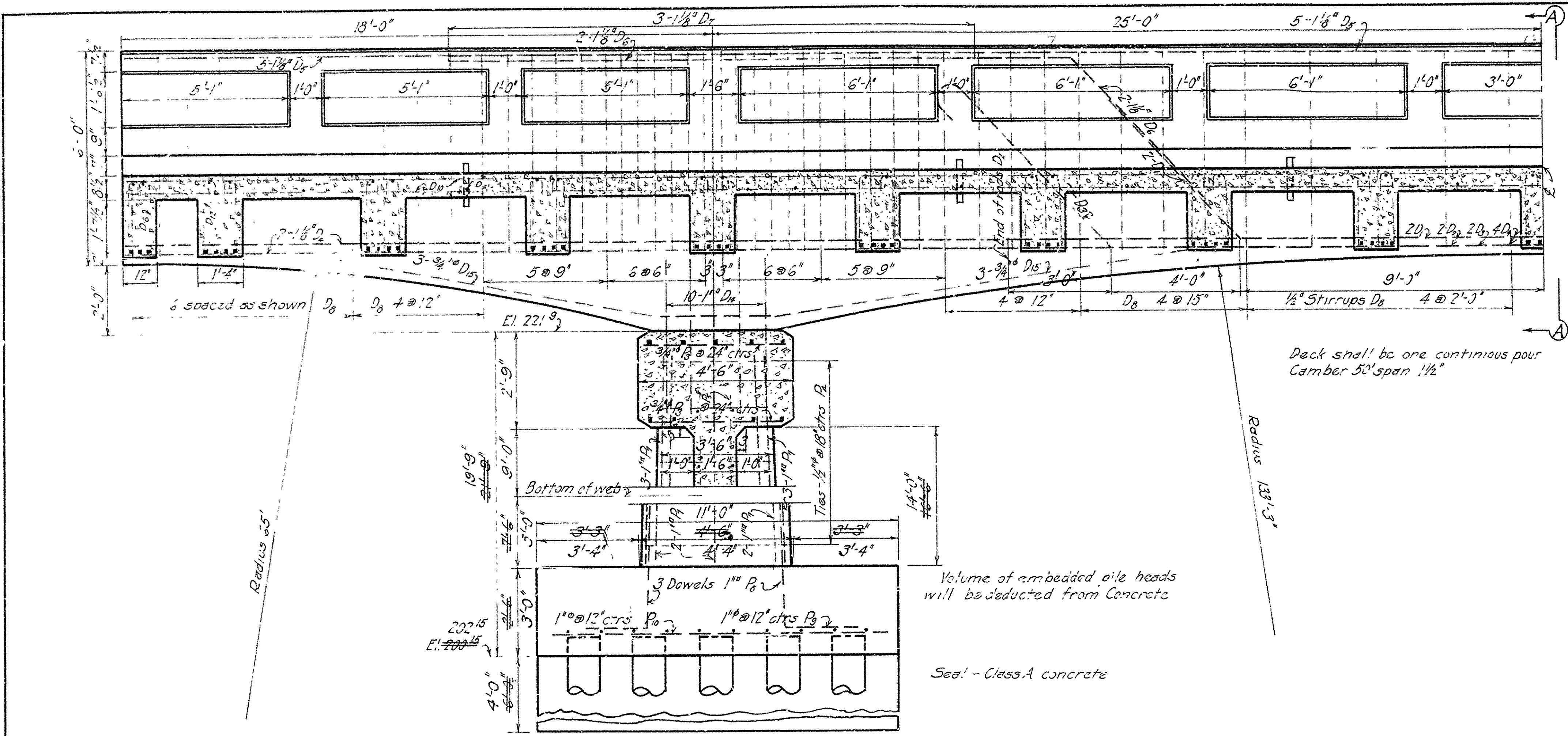
Drainage Area
 17.55 mi.

Lengths of piling shown
 are assumed for estimating.
 Actual lengths to be determined
 in the field.

Note:-
 All bush hammered
 panels set in 3/4"

ELEVATION
 Bridge No. 580
 For Details See Drawings
 No. 481 & 482
 Scale 1/4" = 1'-0"

**LAYOUT OF
 BRIDGE OVER DITCH NO. 9**
 1/4 Mi. South of Marked Tree, Pontre Co.
 ARKANSAS STATE HIGHWAY DEPARTMENT
 LITTLE ROCK, ARK.
 Designed by
 Traced by
 Checked by
 Bridge No. 580
 Revises - 1-3-28 C.A.D.
 Drawing No. 480



QUARTER PLAN

SECTION A-A

SECTION B-B

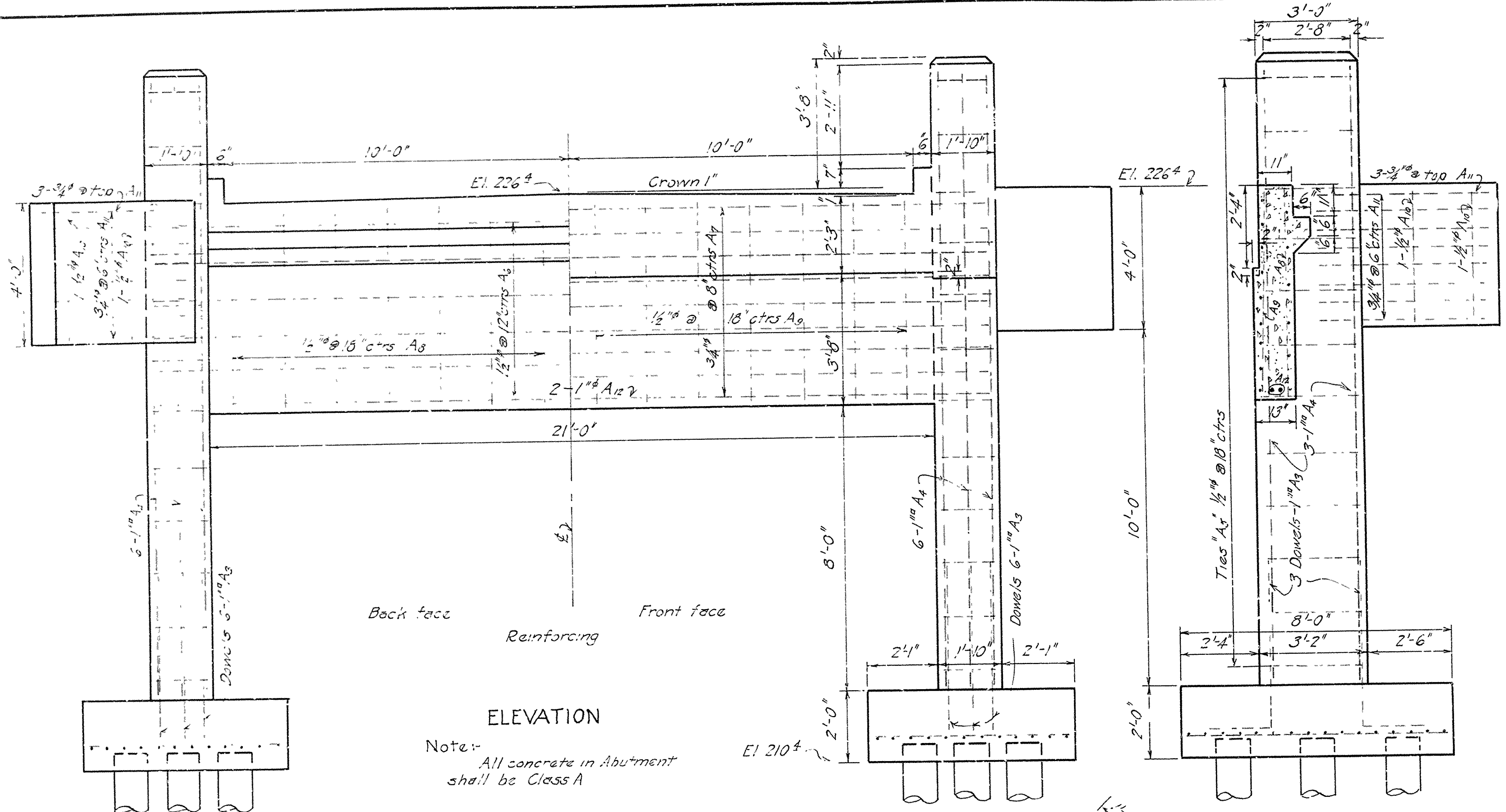
DETAILS OF SPANS AND PIERS
 BRIDGE OVER DITCH NO. 9 1 1/4 MI. So. MARKED TREE
 ARKANSAS STATE HIGHWAY DEPARTMENT
 LITTLE ROCK, ARK.

Designed By *E. R.*
 Traced By
 Checked By

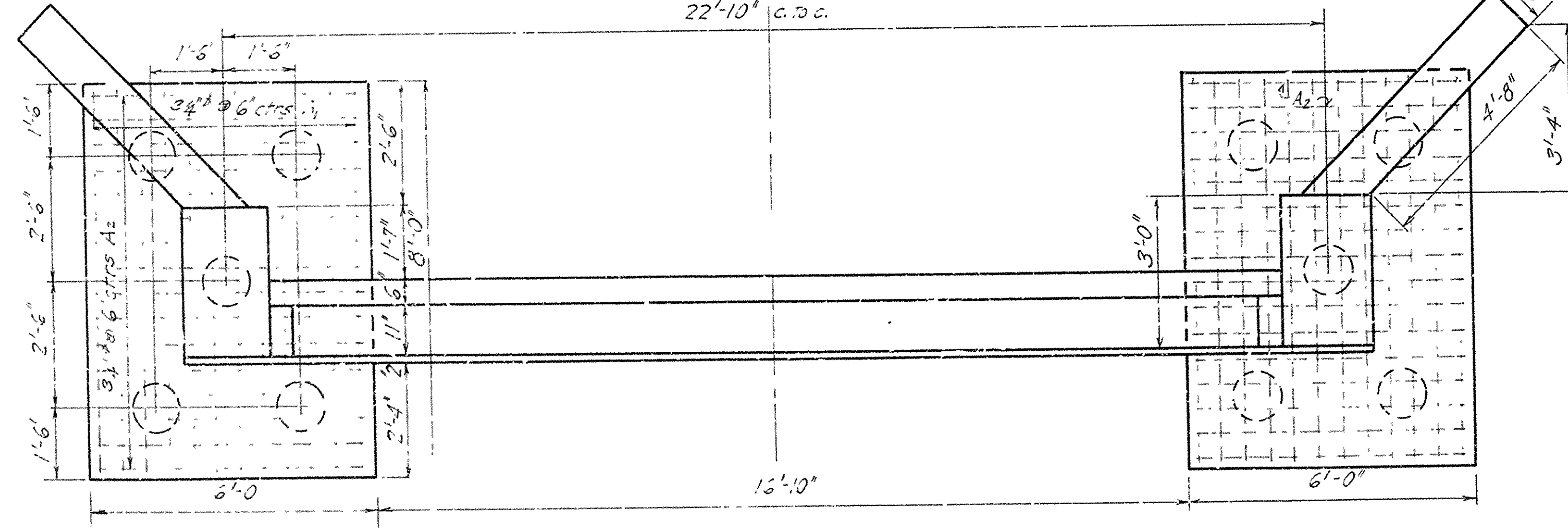
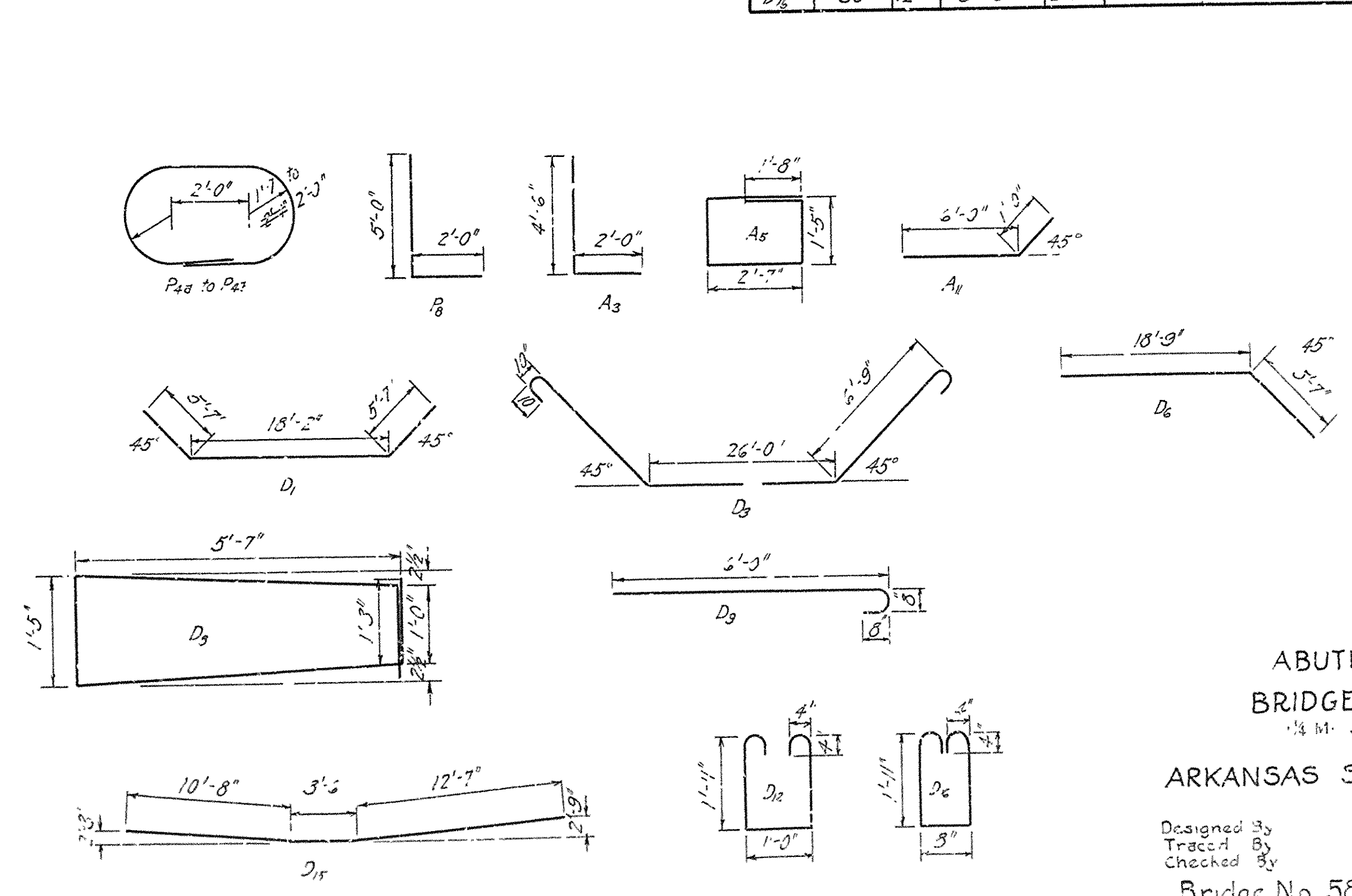
Revised 1-3-28 C.V.D.

~ Bar List ~

Inch	No	Size	Length	Type	Location	Notes
P	18	1/2"	26'-0"	Str	Bottom & Top Pier Coaming	
P	28	1/2"	19'-6"	Str	Horizontal on face of Web	
P	36	3/8"	4'-3"	Str	Top & Bottom of Coaming	
P	4	1/2"	18'-8"	Bnt	Pier Column Faces	See Detail
P	4	1/2"	18'-2"	Bnt	"	"
P	4	"	17'-0"	"	"	"
P	4	"	17'-0"	"	"	"
P	4	"	16'-9"	"	"	"
P	4	"	16'-5"	"	"	"
P	4	"	15'-2"	"	"	"
P	4	"	15'-10"	"	"	"
P	4	"	15'-7"	"	"	"
P	48	1/2"	31'-10"	Str	Verticals each face of Web	
P	6	1/2"	29'-6"	Str	Horiz. 3 in bottom c	
P	48	1/2"	18'-6"	Str	Verticals in Columns	
P	24	1/2"	7'-0"	Bnt	Dowels into Columns	See Detail
P	40	1/2"	8'-6"	Str	Grillage Pier Footing	
P	32	1/2"	10'-6"	Str	"	"
P	48	3/8"	7'-8"	Str	Abutment Footing	
A	64	3/8"	5'-8"	Str	"	"
A	24	1/2"	6'-3"	Bnt	Dowels into Columns	See Detail
A	24	1/2"	17'-2"	Str	Column Verticals	
A	48	1/2"	9'-8"	Bnt	Hoops in Column	See Detail
A	12	1/2"	21'-4"	Str	Back face Horizontal	
A	18	3/8"	24'-4"	Str	Front face "	
A	28	1/2"	5'-6"	Str	Back face Verticals	
A	28	1/2"	5'-6"	Str	Front face "	
A	8	1/2"	3'-8"	"	Verticals in Wings (B.F. only)	
A	40	3/8"	7'-0"	Bnt	Horizontal "	See Detail
A	4	1/2"	24'-2"	Str	Bottom of Web	
D	4	1/8"	29'-4"	Bnt	Center Girders (bottom)	See Detail
D	4	1/8"	32'-2"	Str	"	"
D	4	1/8"	42'-2"	Bnt	"	See Detail
D	16	1/8"	26'-4"	Str	Girders	Splice Diagram
D	8	1/8"	40'-6"	"	"	"
D	20	1/8"	40'-6"	Str	"	Top
D	10	1/8"	12'-2"	"	"	"
D	8	1/8"	24'-4"	Bnt	"	See Detail
D	12	1/8"	15'-10"	Str	"	"
D	184	1/2"	15'-1"	Bnt	Girder Stirrups	See Detail
D	148	1/2"	7'-1"	Bnt	Top of Floor Beams	
D	246	3/8"	30'-0"	Str	Long Slab Top & Bottom	
D	52	1/2"	20'-8"	Str	Transverse Slab	
D	425	1/2"	6'-0"	Bnt	Int. Floor Beam Stirrups	See Detail
D	37	1/8"	24'-0"	Str	Bottom of Floor Beams	
D	40	1/2"	4'-4"	Str	Anchors Pier to Girder	See Detail
D	12	3/4"	26'-9"	Bnt	Bottom of Girder at Pier	See Detail
D	50	1/2"	5'-8"	Bnt	Stirrups - end beams	See Detail



SECTION



PLAN

GENERAL NOTES
 1. Crossed members to have 90° corner unless otherwise noted.
 2. Reinforcing Steel to be deformed bars of Structural Information Co. Grade. Shop List and Rebar Diagrams of Reinforcing must be submitted before fabrication is begun. Drains to be as shown on Reinforcing.
 3. Foundation to be Unsettled Timber SPECIFICATIONS Arkansas Standard Road and Bridge Structures Section 101-3-1927

DETAILS OF ABUTMENTS AND STEEL BRIDGE OVER DITCH NO. 9
 1/4 Mi. South of Market Tree, Rainier Co.
 ARKANSAS STATE HIGHWAY DEPARTMENT
 LITTLE ROCK, ARK.
 Designed By: _____ Date: _____
 Traced By: _____
 Checked By: _____
 Bridge No 580 Drawing No 482

Revised 1/23 C.A.D.