

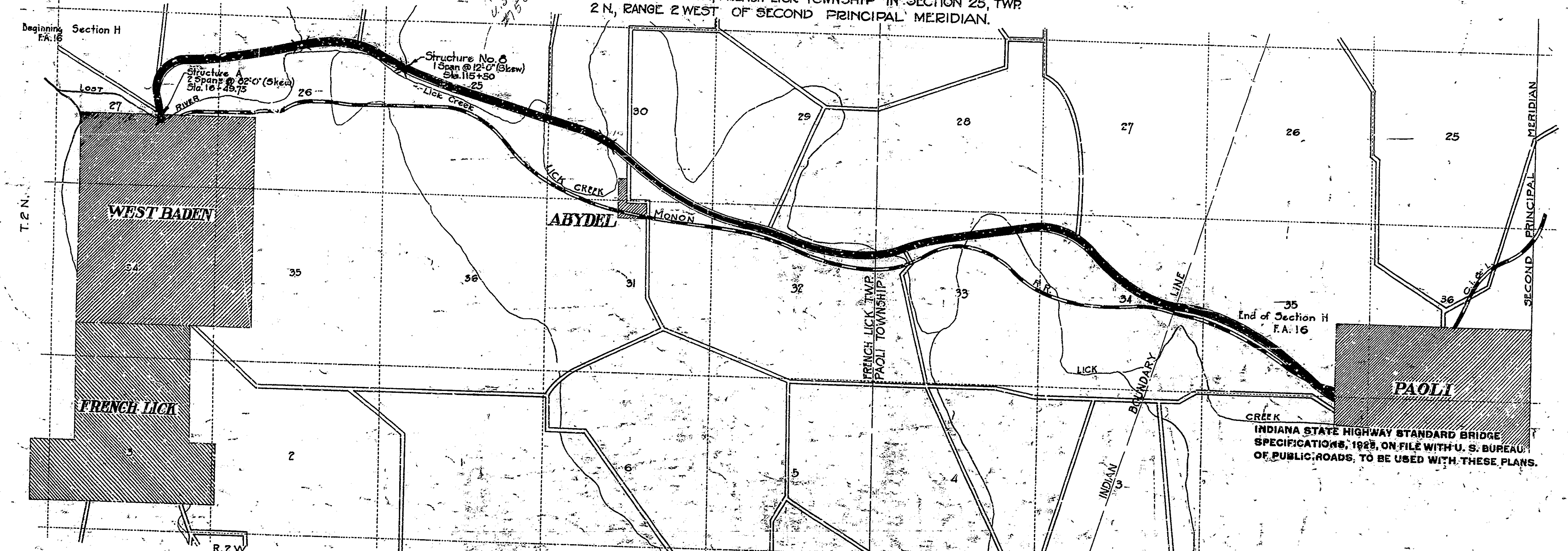
INDEX						
SHEET NO.	SECTION	STRUCTURE			DRAWING NUMBER	SUBJECT
		NO.	TYPE	SPAN OVER STATION		
1					C-1	Index & Title Sheet
2	H	A	Cont. Arch. 120' (Skew)	Lost River 16+40.75	C-1	Layout
3					C-2	General Plan
4					C-3	Section & Plan, Span A
5					C-4	Abutment *1 Details
6					C-5	Pier Details
7					C-6	Details Abut. *3
8					C-7	Sections Abut. *5 & Details
9					C-8	Plan, Span A, Wings C & D
10					C-9	Plan, Span B & Bill Masts
11						Plan & Profile, Sta. 1+30
12						Cross Section, Sta. 1+30
13						15+35 - 17+35
14						17+45 - 19+00
15						20+00 - 23+75
16	H	B	R.C. Slab 1012' (Skew)	Branch Lick 115+50	C-1	Layout & General Plan
17					C-2	Plan & Profile
18					C-3	Details
19						Cross Section, Sta. 110+00
20						118+38 - 121+00

STATE OF INDIANA
 STATE HIGHWAY COMMISSION
 BUREAU OF BRIDGES
 PLANS FOR BRIDGES OVER 20 FEET SPAN
 FOR PROPOSED
 STATE HIGHWAY

BRIDGES OVER 20' SPAN					
STATE	NO.	SPAN	TYPE	DATE	REMARKS
IND.	16	20	CON.		

SECTION H

FEDERAL AID PROJECT NO. 16 - SECTION H
 LOCATION OF STRUCTURE "A" - OVER LOST RIVER IN ORANGE COUNTY, FRENCH LICK TOWNSHIP, IN SECTION 27 TOWNSHIP, 2 NORTH, RANGE 2 WEST OF SECOND PRINCIPAL MERIDIAN, AT WEST BADEN CORPORATION LINE.
 LOCATION OF STRUCTURE NO. B - OVER BRANCH OF LICK CREEK IN ORANGE COUNTY, FRENCH LICK TOWNSHIP IN SECTION 25, TWP. 2 N., RANGE 2 WEST OF SECOND PRINCIPAL MERIDIAN.



Scale 5/8" = 1 Mile

INDIANA STATE HIGHWAY STANDARD BRIDGE SPECIFICATIONS, 1925, ON FILE WITH U. S. BUREAU OF PUBLIC ROADS, TO BE USED WITH THESE PLANS.

CONVENTIONAL SIGNS

STATE AND NATIONAL LINE	RIVETS	SECTION 5
COUNTY LINE	SHORT FIELD	
CITY, VILLAGE OR BOROUGH	LONG FIELD	SECTION 6
TOWNSHIP LINE	SECTION 7	
SECTION LINE	SECTION 8	SECTION 9
RIGHT OF WAY LINE	SECTION 10	
UNFENCED PROPERTY LINE	SECTION 11	SECTION 12
FENCE LINES	SECTION 13	
RAILROAD	SECTION 14	SECTION 15
TEST BORINGS	SECTION 16	

SECTIONS

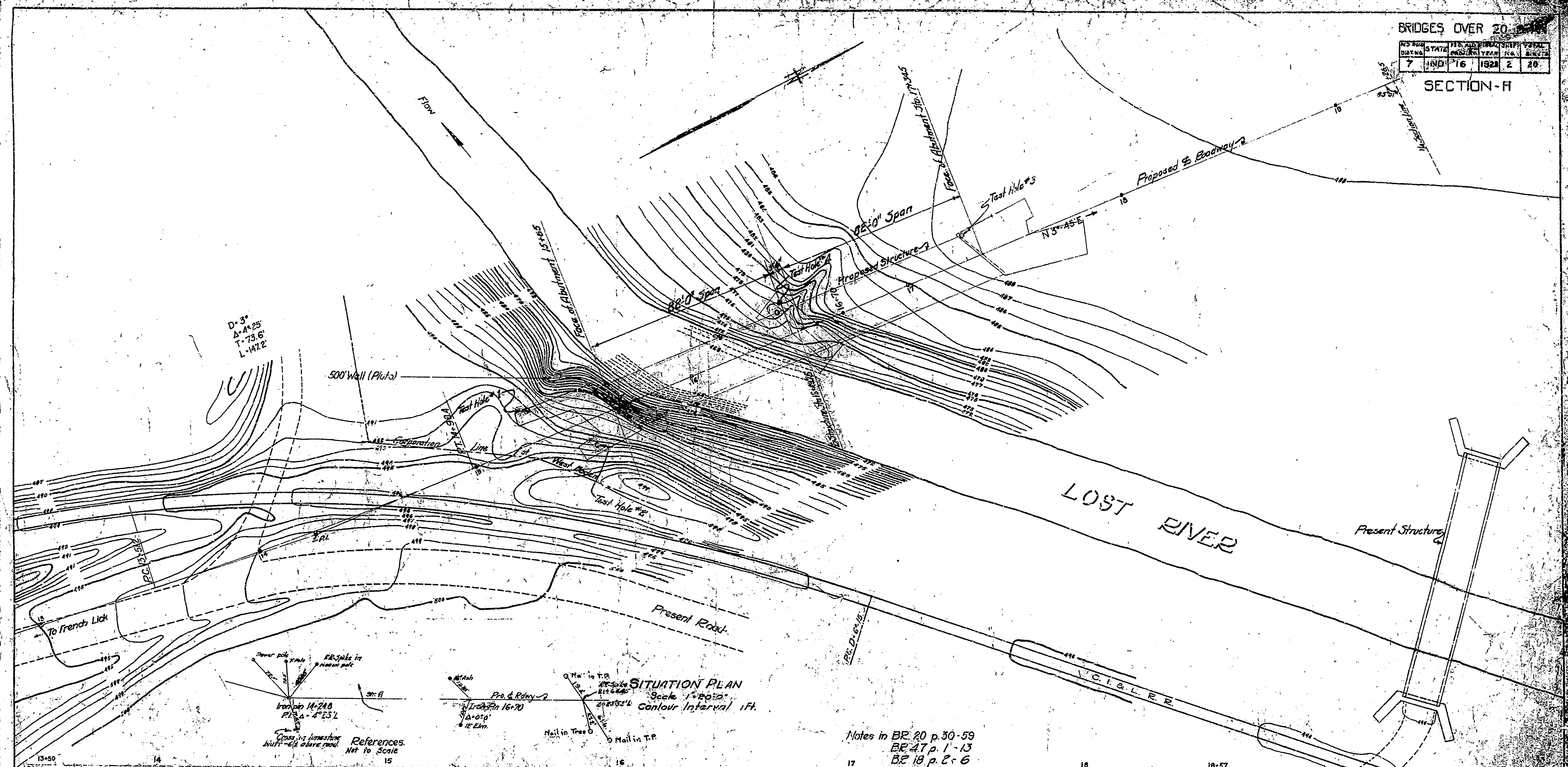
SECTION 1	SECTION 2	SECTION 3	SECTION 4
SECTION 17	SECTION 18	SECTION 19	SECTION 20
SECTION 21	SECTION 22	SECTION 23	SECTION 24
SECTION 25	SECTION 26	SECTION 27	SECTION 28
SECTION 29	SECTION 30	SECTION 31	SECTION 32
SECTION 33	SECTION 34	SECTION 35	SECTION 36
SECTION 37	SECTION 38	SECTION 39	SECTION 40
SECTION 41	SECTION 42	SECTION 43	SECTION 44
SECTION 45	SECTION 46	SECTION 47	SECTION 48
SECTION 49	SECTION 50	SECTION 51	SECTION 52
SECTION 53	SECTION 54	SECTION 55	SECTION 56
SECTION 57	SECTION 58	SECTION 59	SECTION 60
SECTION 61	SECTION 62	SECTION 63	SECTION 64
SECTION 65	SECTION 66	SECTION 67	SECTION 68
SECTION 69	SECTION 70	SECTION 71	SECTION 72
SECTION 73	SECTION 74	SECTION 75	SECTION 76
SECTION 77	SECTION 78	SECTION 79	SECTION 80
SECTION 81	SECTION 82	SECTION 83	SECTION 84
SECTION 85	SECTION 86	SECTION 87	SECTION 88
SECTION 89	SECTION 90	SECTION 91	SECTION 92
SECTION 93	SECTION 94	SECTION 95	SECTION 96
SECTION 97	SECTION 98	SECTION 99	SECTION 100

APPROVED: *J. D. Williams* DATE: 7-1-25
 DIRECTOR, INDIANA STATE HIGHWAY COMMISSION
 APPROVED: *C. H. ...* DATE: 7-1-25
 CHIEF ENGINEER, BUREAU OF BRIDGES
 RECOMMENDED FOR APPROVAL: _____
 RECOMMENDED FOR APPROVAL: _____

BRIDGES OVER 20

NO.	STATE	DATE	YEAR	NO.	NO.
7	IND	16	1921	2	20

SECTION-H

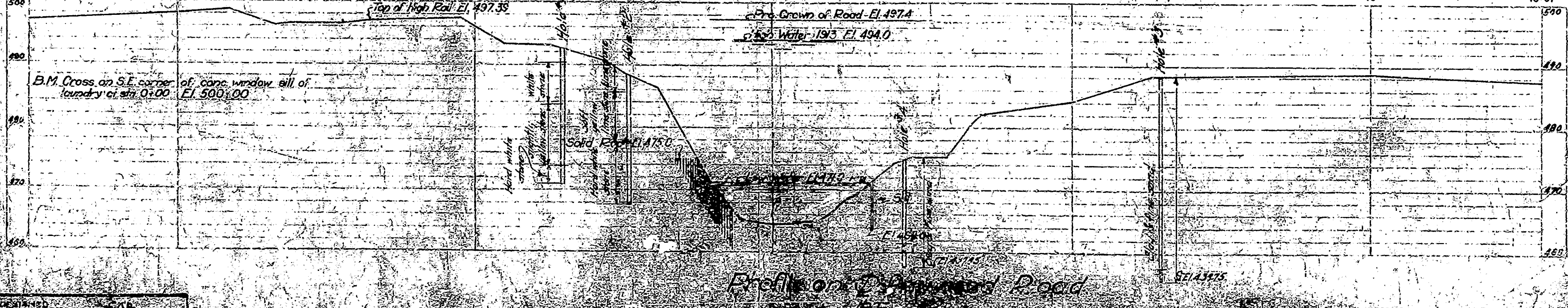


D=3'
A=4'25"
T=73.6'
L=147.2'

500' Wall (Photo)

SITUATION PLAN
Scale 1"=200'
Contour Interval 1 ft.

Notes in BE 20 p. 30-59
BE 27 p. 1-13
BE 18 p. 2-6



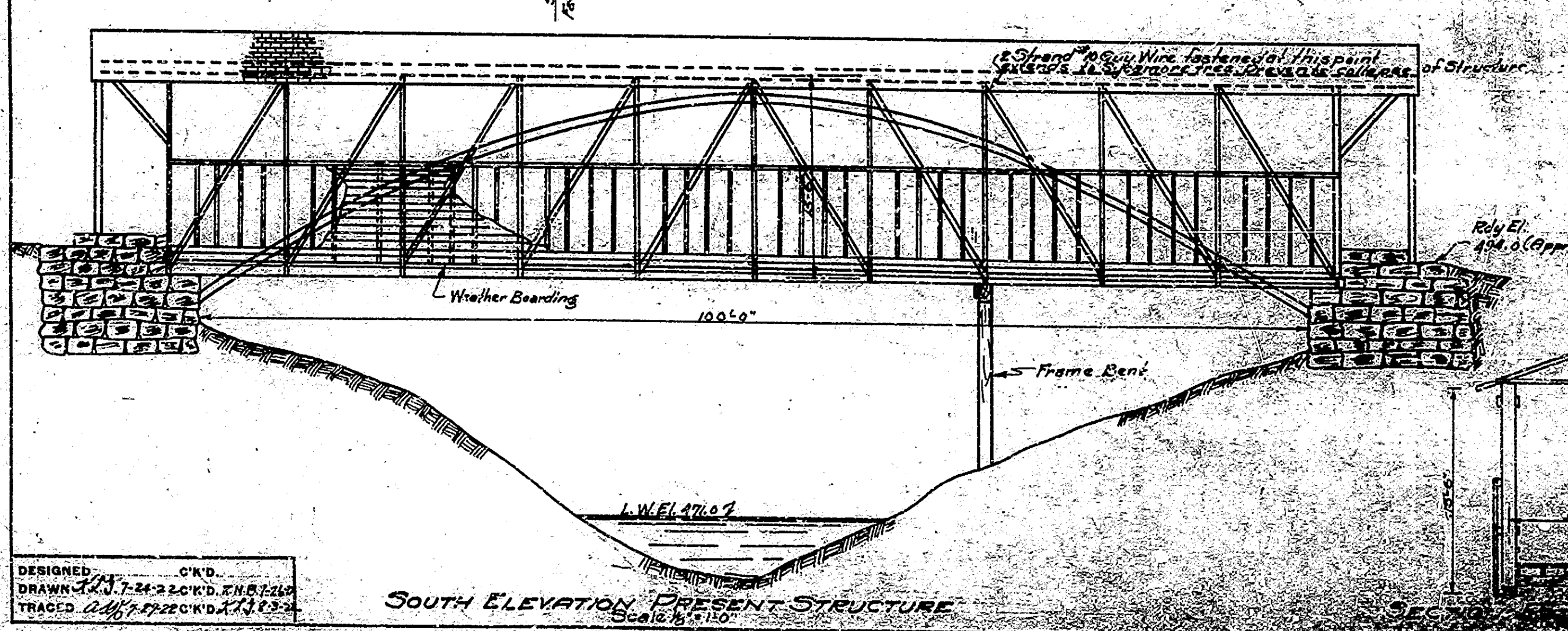
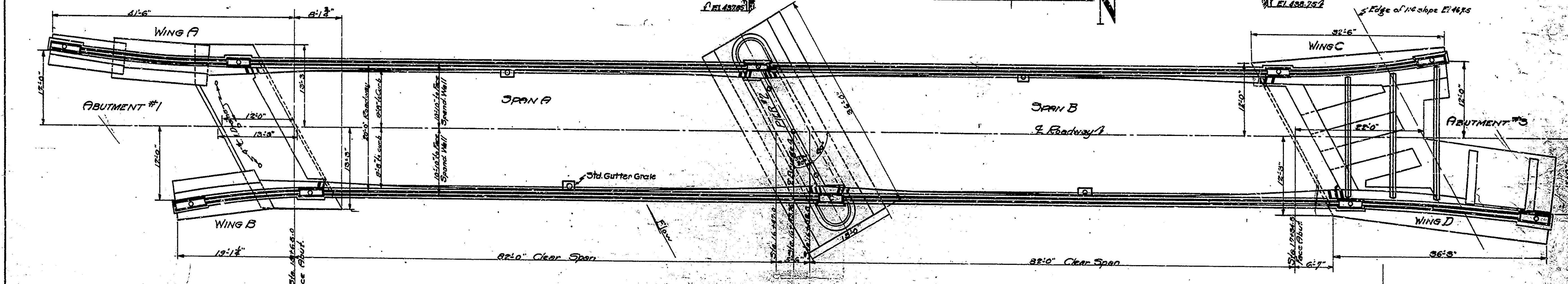
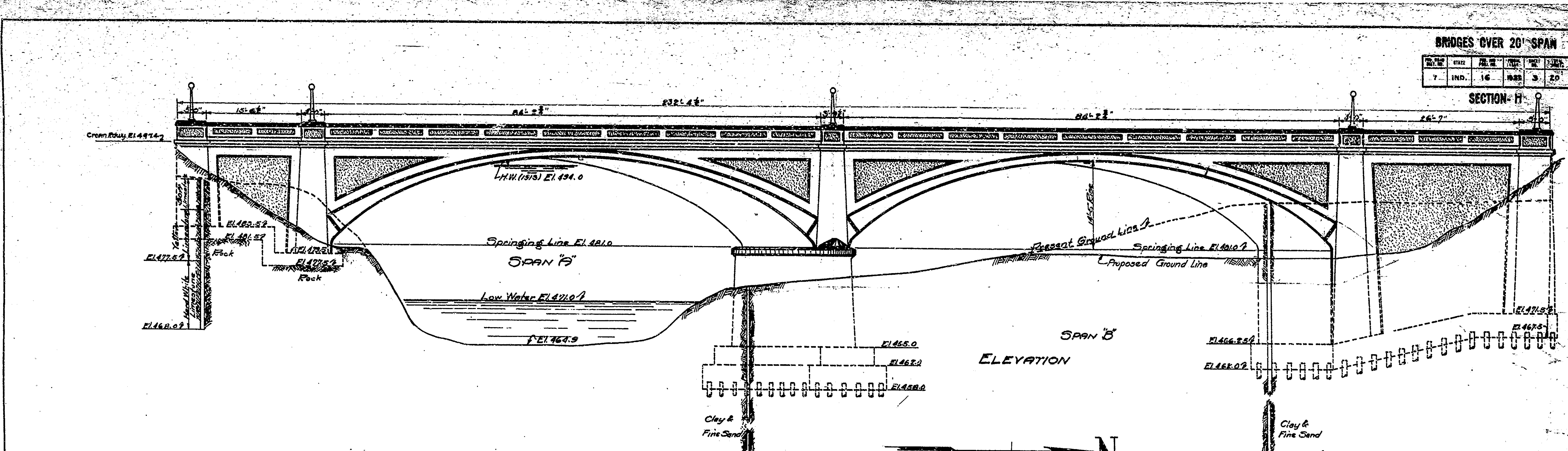
B.M. Cross on S.E. corner of conc. window sill of foundry at Sta. 0+00 El. 500.00

References Not to Scale

Profile of Proposed Road

LAYOUT
PROPOSED BRIDGE SITE
2 SPANS - 82'-0" EACH
OVER LOST RIVER
INDIANA STATE HIGHWAY COMMISSION
DRANGE COUNTY
SCALE - AS NOTED
RECOMMENDED FOR APPROVAL:
PROJECT ENGINEER
SECTION-H

BRIDGES OVER 20' SPAN					
NO.	STATE	FILE	DATE	SCALE	DATE
7	IND.	16	1922	3/20	



PLAN

GENERAL NOTES

See Special Provisions regarding removal of present structure. Footing abutment #1 to be on bed rock. All footings to be extended if found necessary by Engineer.

See Specifications regarding waterproofing abutments, archings, wings and spandrel walls.

All steel to be embedded 2" in concrete structure unless otherwise noted.

See Special Provisions regarding gutter grates. Place as shown on G & L's.

Lamp posts to be furnished and placed by local people. See Special Provisions.

Conduits and fuse boxes to be furnished by local people and placed by contractor. (See Special Provisions). Contractor shall cap conduits.

All concrete in footings to be class E.

All concrete in Pier to El. 480.0 in abutments and wing walls to flex. 43765 in counterforts and tie beams to be class E.

All concrete in arching, spandrel walls and above El. 481' to El. 497.65 of pier to be class D.

All concrete above El. 497.65 to be class F.

See Special Provisions regarding clearing of waterway and approach fills.

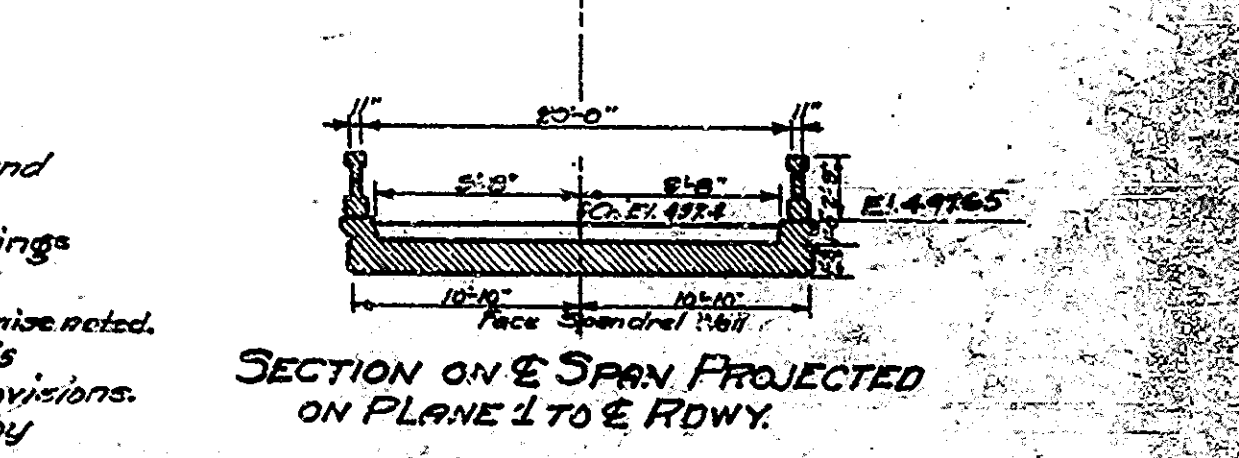
Grading of Approaches between Sta 12+10 and 23+47.5 included in this contract.

Gravel Roadway not a part of this contract.

Filling to have length and bearing value as shown on G & L's.

Give full attention to all copings & handrails.

Detail frame on under side of all copings - see handrail detail.



GENERAL PLAN

REINFORCED CONCRETE ARCH BRIDGE

2 SPANS - 82'-0" EACH
OVER LOGG RIVER
ON STATE HIGHWAY

20'-0" ROADWAY
ON STATE HIGHWAY

INDIANA STATE HIGHWAY COMMISSION

DEWEE COUNTY

SCALE: 1" = 10'

RECOMMENDED FOR APPROVAL

PROJECT: P. 16115
SECTION: 5

AUGUST 7, 1922

STATION: 12+10 TO 23+47.5

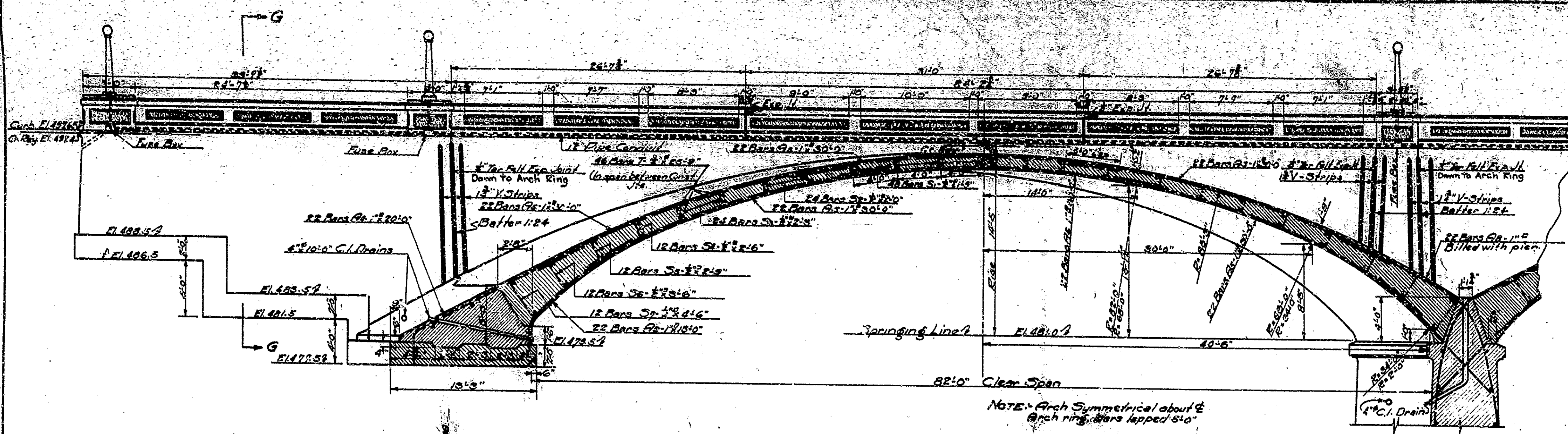
DESIGNED: C. W. CIND
DRAWN: J. M. 7-24-22 CIND, E. H. 1110
TRACED: C. W. 7-22-22 CIND, A. J. 1110

SOUTH ELEVATION PRESENT STRUCTURE
Scale: 1" = 110'

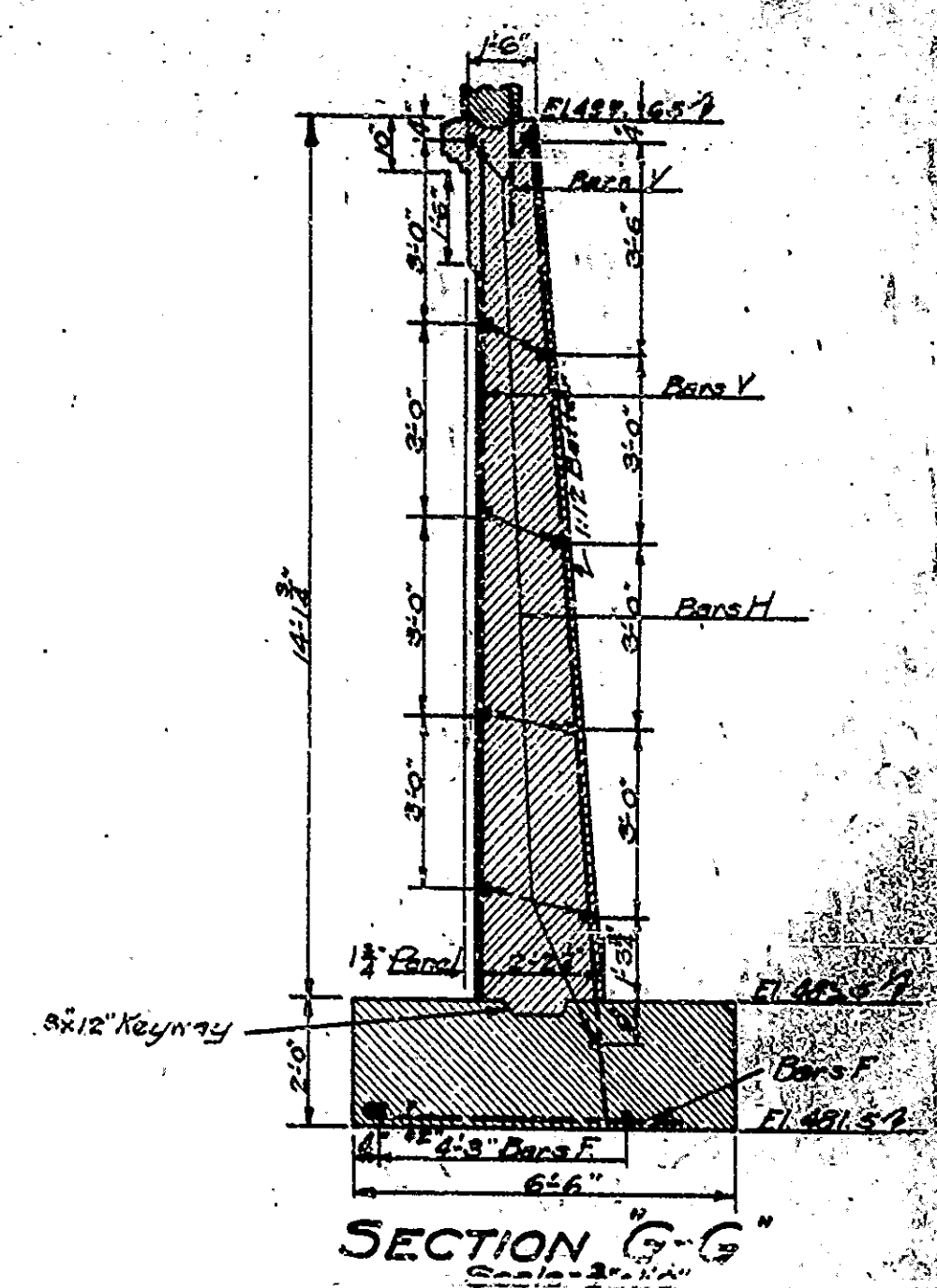
BRIDGES OVER 20' SPAN

NO.	DATE	BY	CHKD.	REV.	REASON
1	IND.	10	1922	4	20

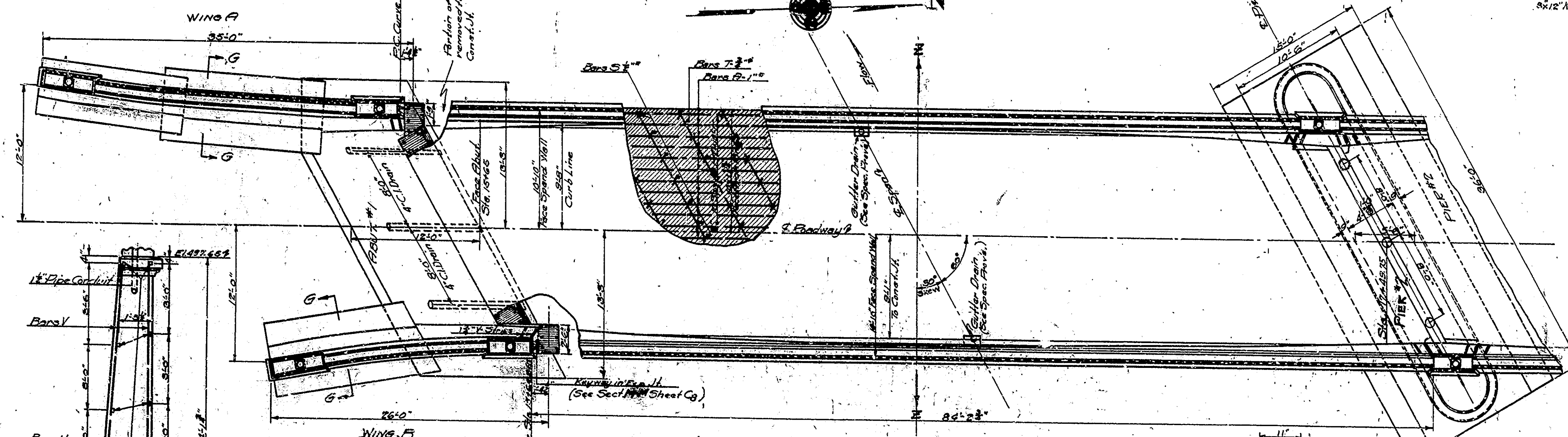
SECTION H-H



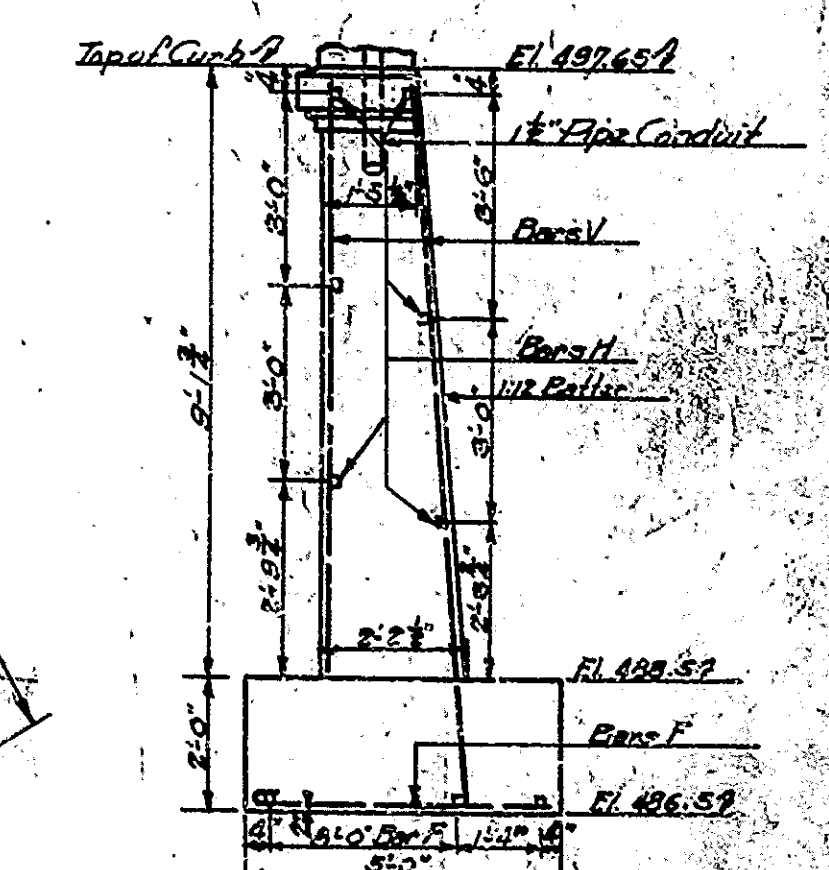
SECTION ON E SPAN A
SPAN B' OPPOSITE HAND
BETWEEN PIER AND SKEWBACK.



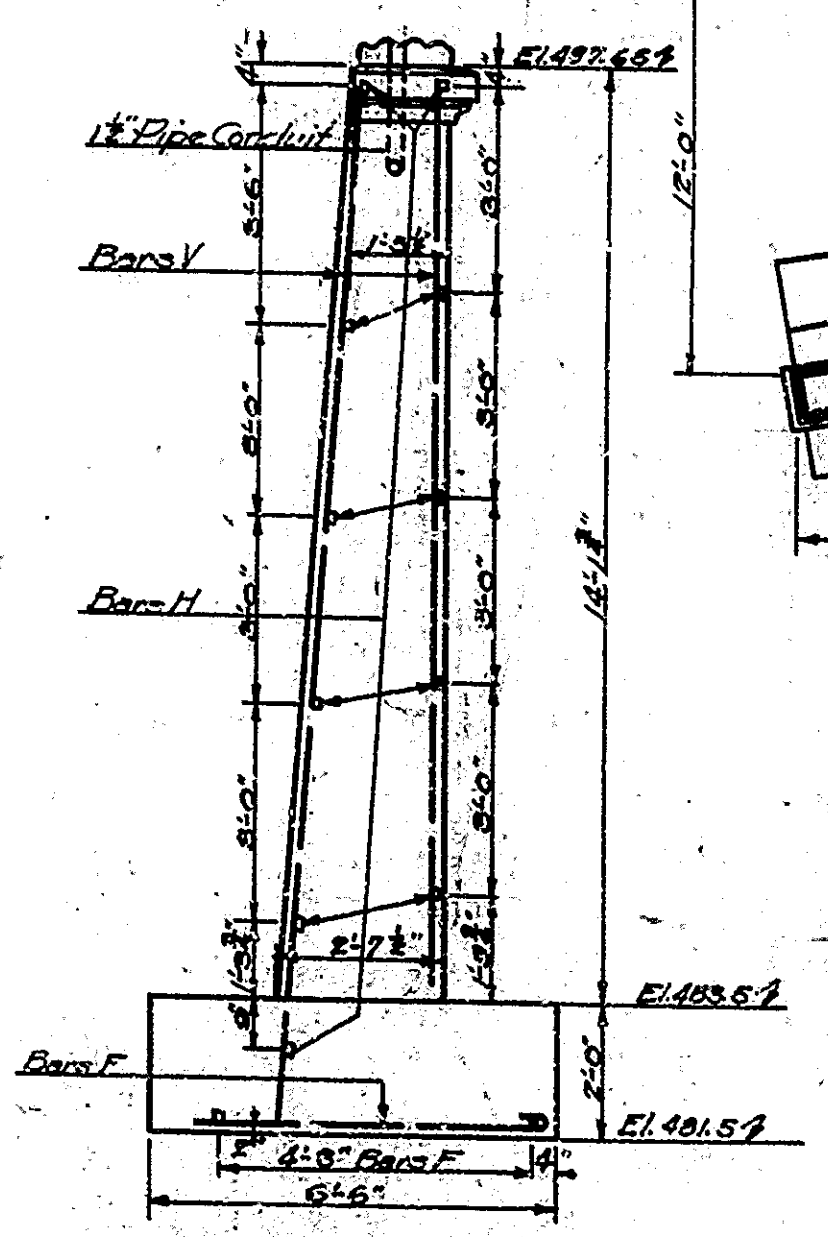
SECTION G-G
Scale 3/4" = 1'-0"



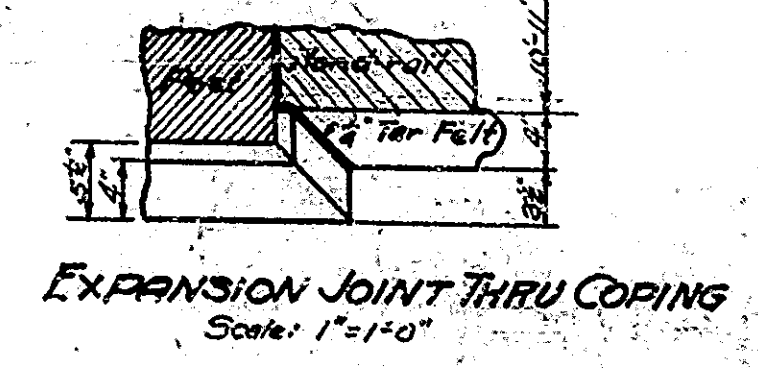
PLAN SPAN A



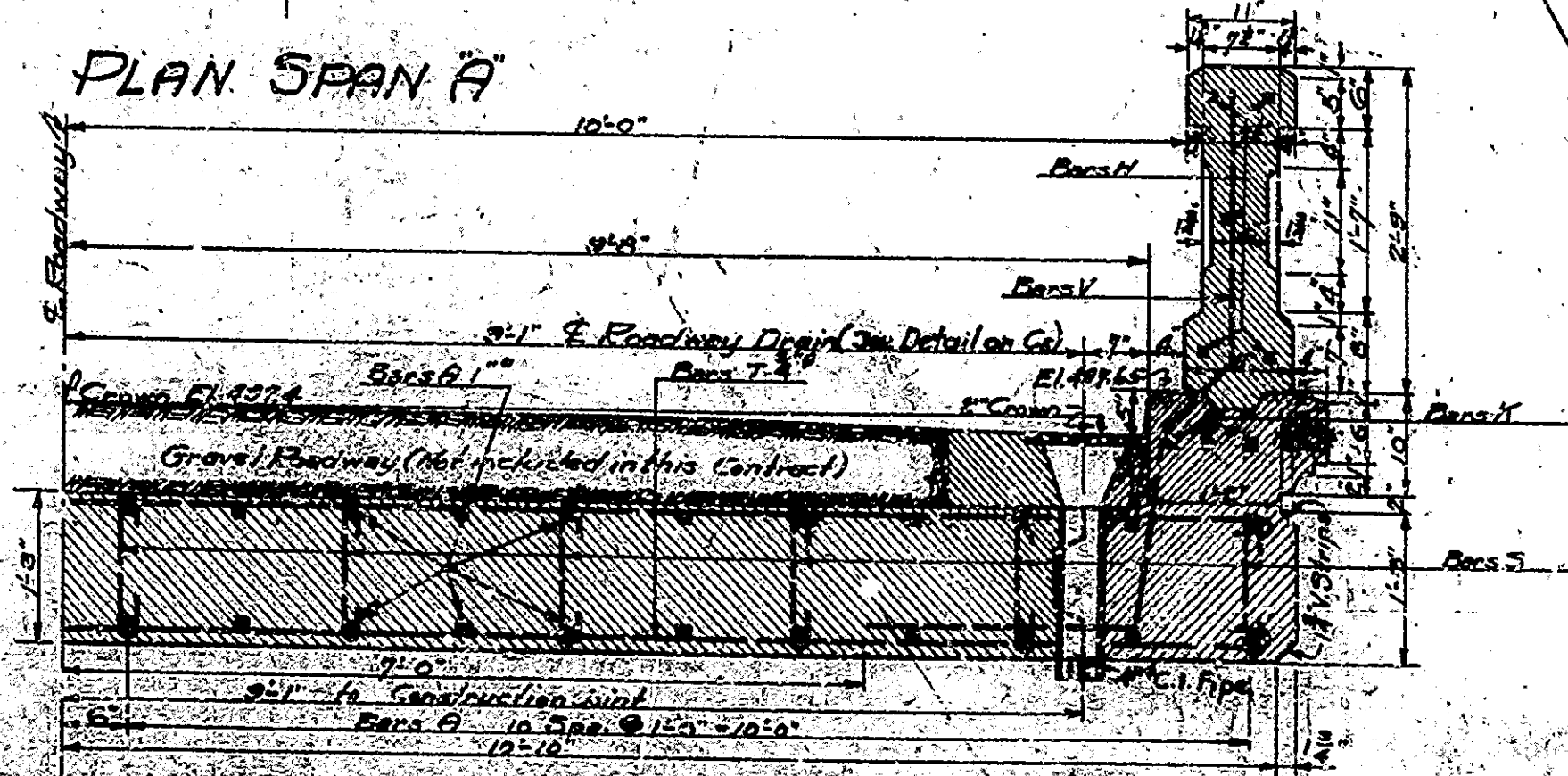
END ELEVATION WING A
Scale 3/4" = 1'-0"



END ELEVATION WING B
Scale 3/4" = 1'-0"



EXPANSION JOINT THRU COPING
Scale 1" = 1'-0"



HALF SECTION ON E ROADWAY PROJECTED ON PLANE Z-Z
Scale 3/4" = 1'-0"

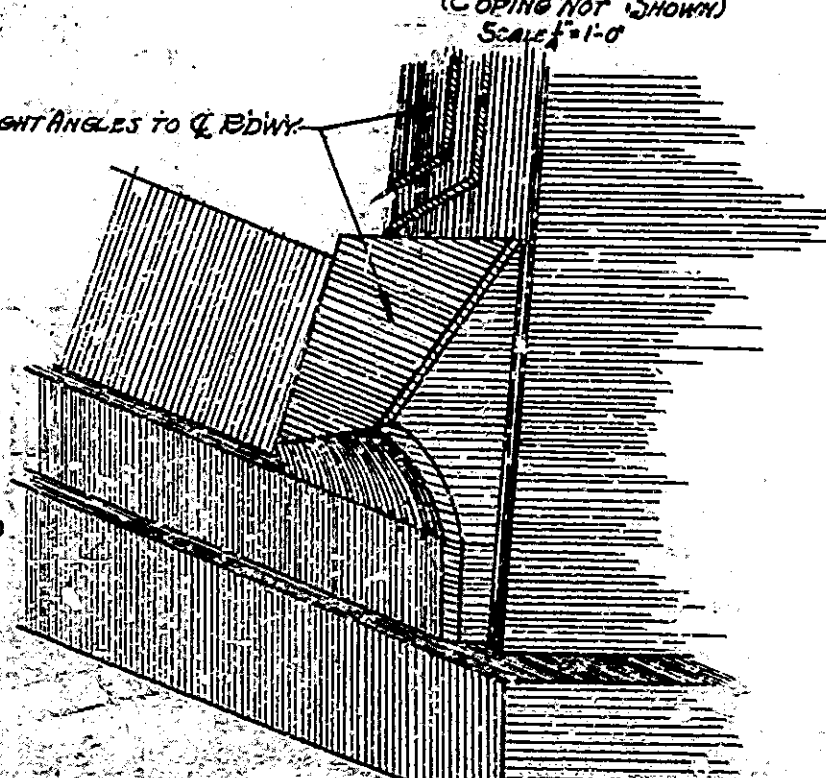
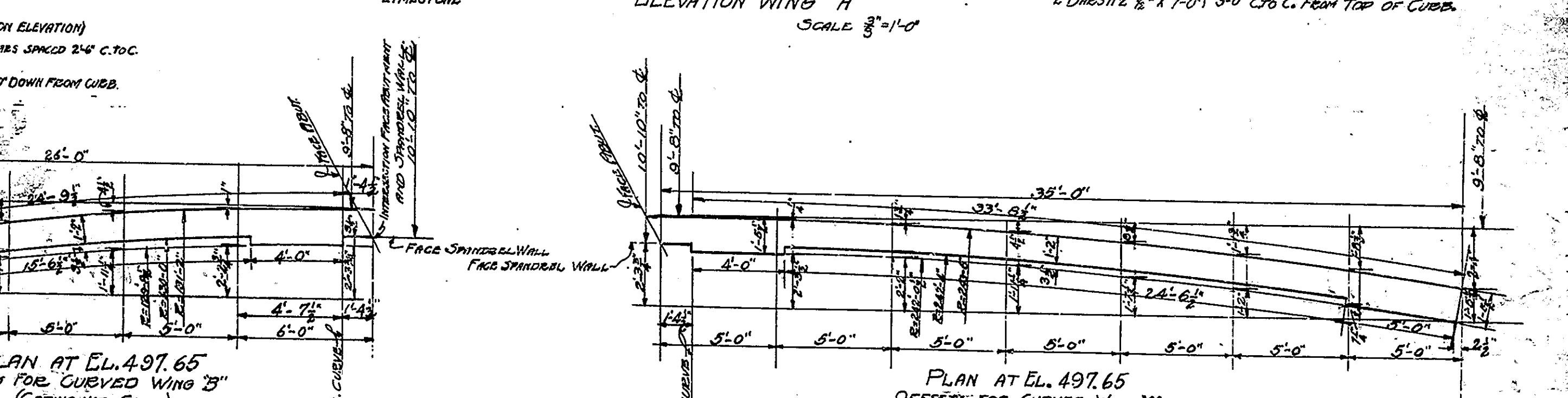
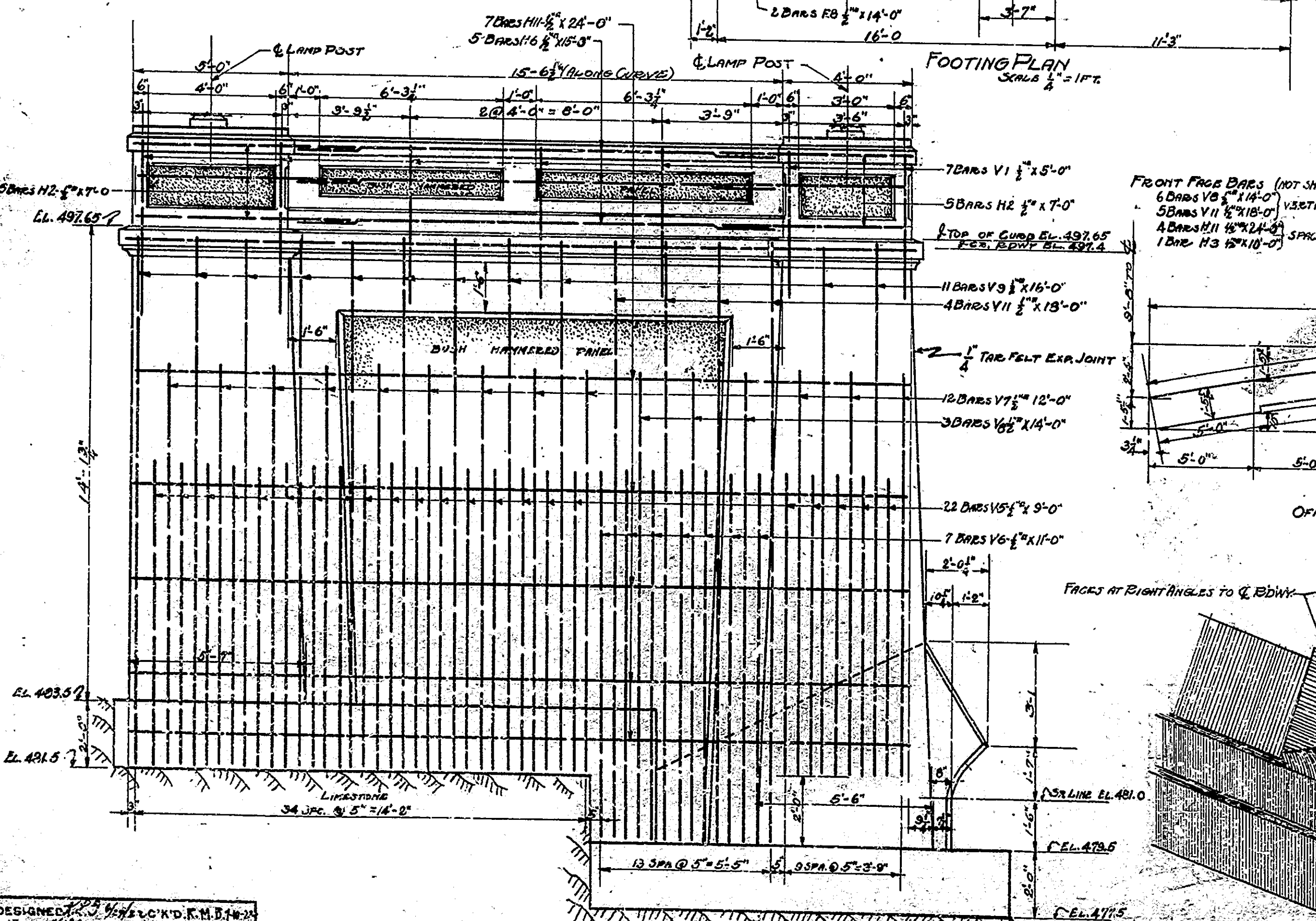
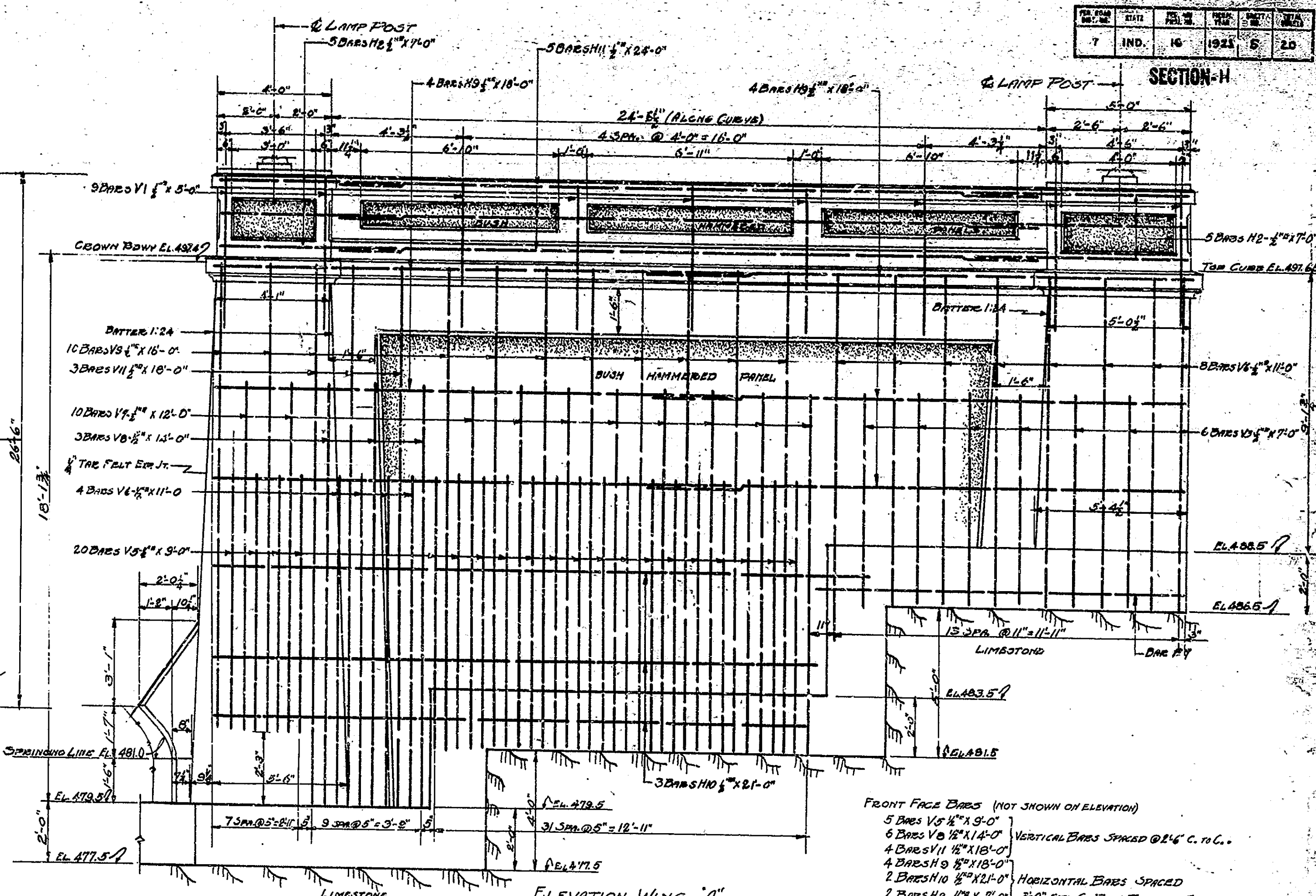
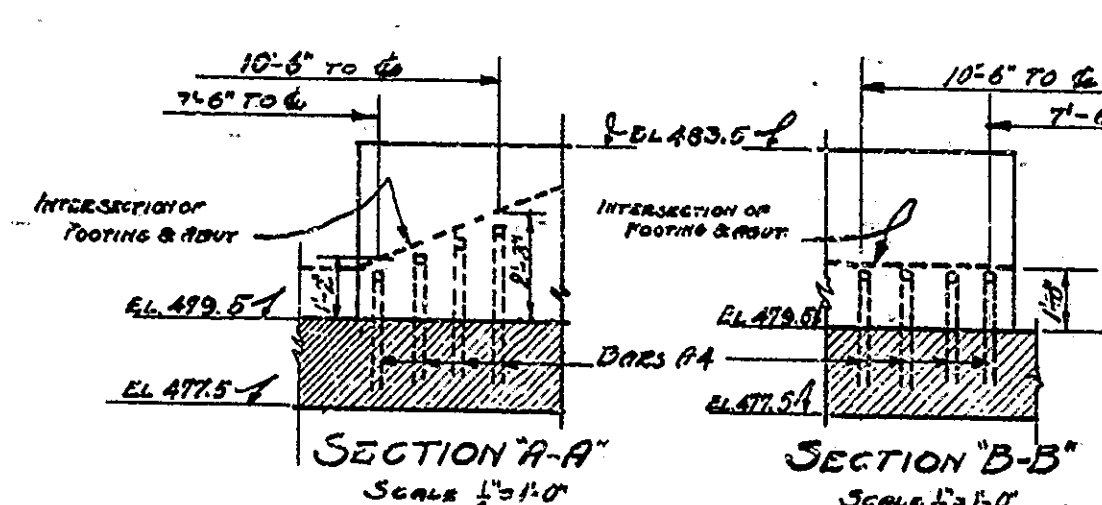
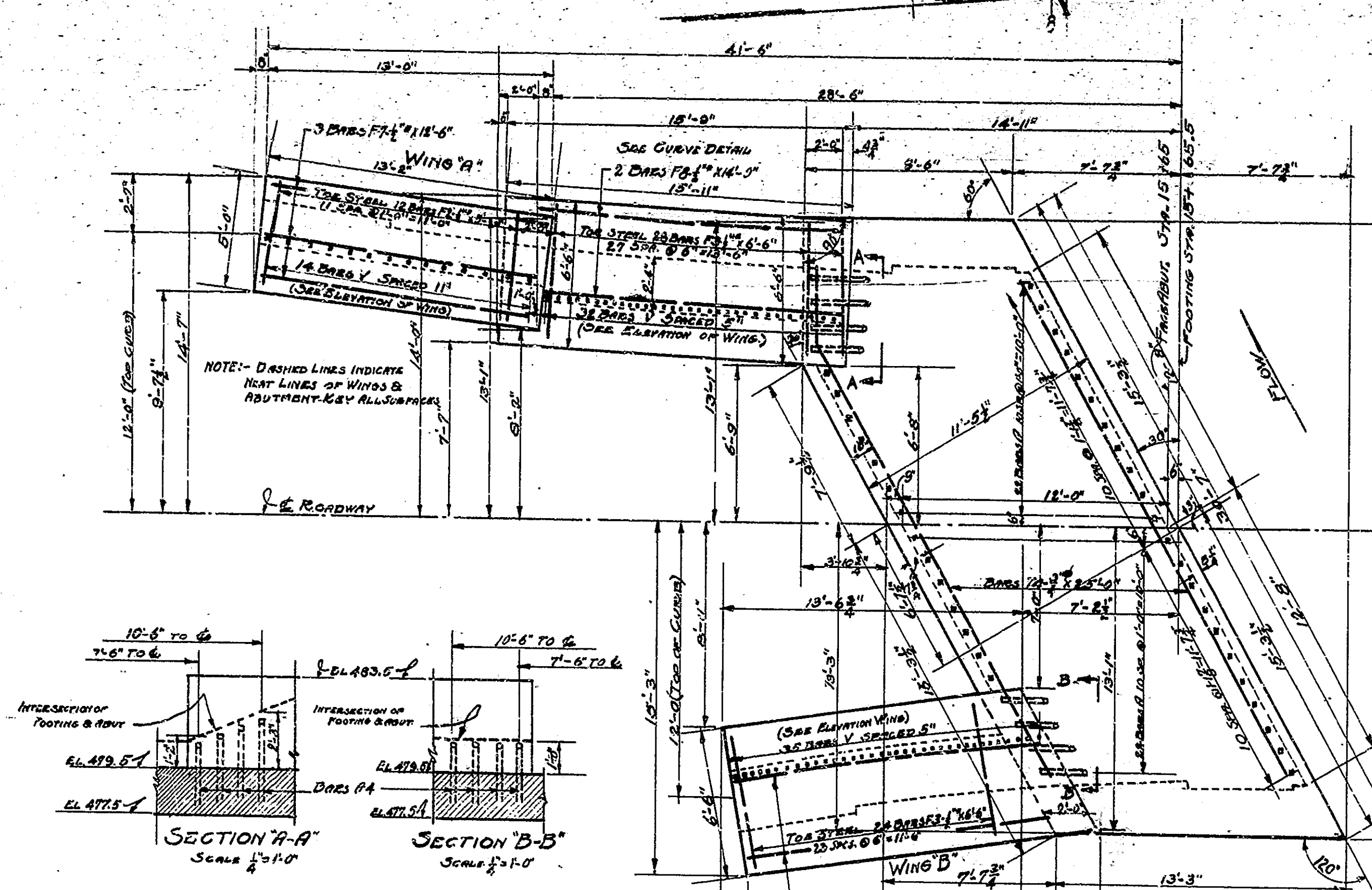
SECTION & PLAN SPAN A
REINFORCED CONCRETE ARCH BRIDGE
2 SPAN 32'-0" EACH
OVER LOST RIVER
20'-0" ROADWAY
ON STATE ROAD 4K
INDIANA STATE HIGHWAY COMMISSION
GRANGE COUNTY

SCALE: 3/4" = 1'-0" EXCEPT AS NOTED
RECOMMENDED FOR APPROVAL: [Signature]
PROJECT: E.A. No. 10
SECTION: H-H
DRAWING: C-3 OF 3
AUGUST 7, 1922
STATION: 16+49.75
STRUCTURE NO. 10

DESIGNED BY: [Signature]
DRAWN BY: [Signature]
TRACED BY: [Signature]

BRIDGES OVER 20' SPAN

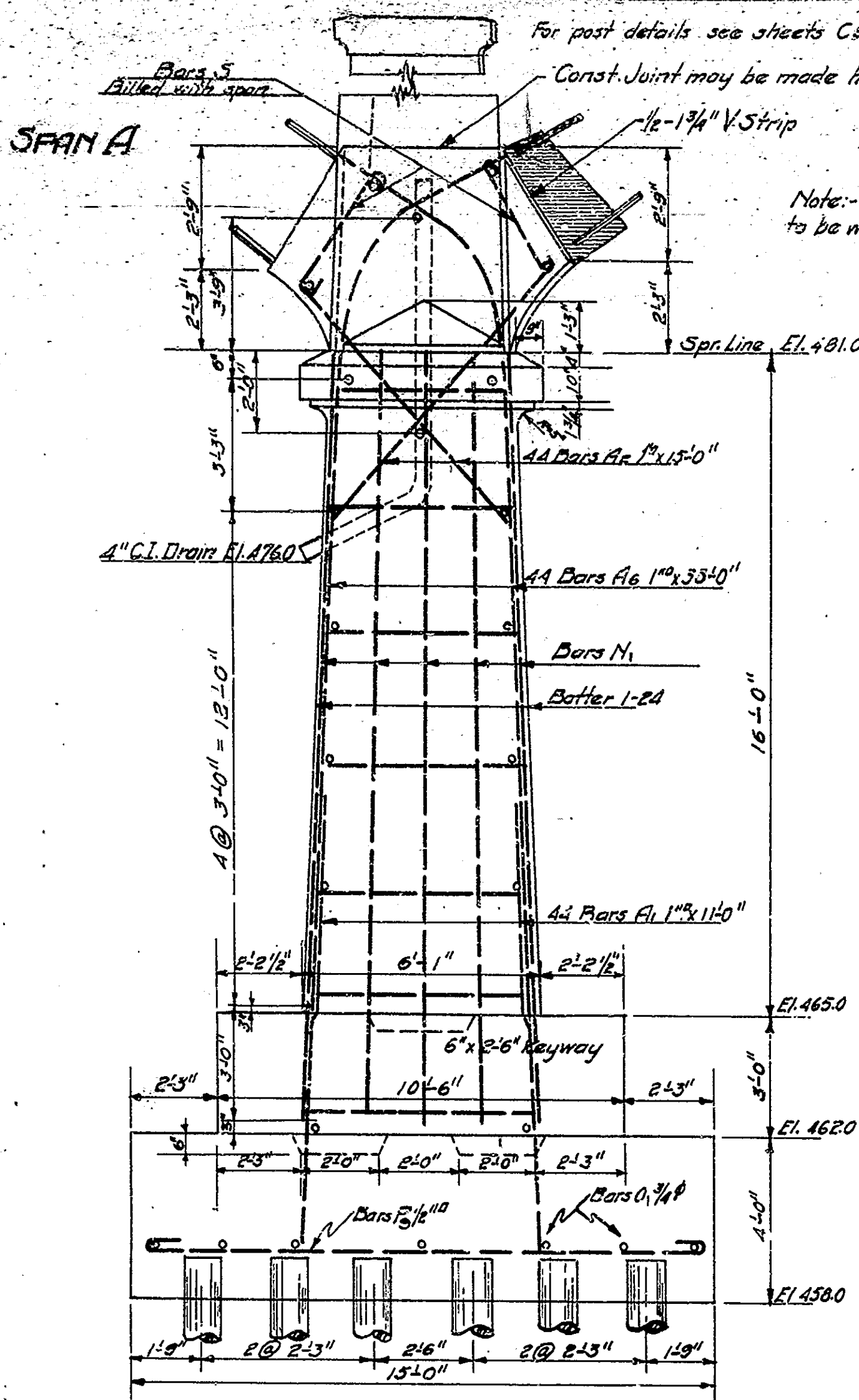
NO.	DATE	BY	CHKD.	APP.	STA.
7	IND.	IC	1922	8	20



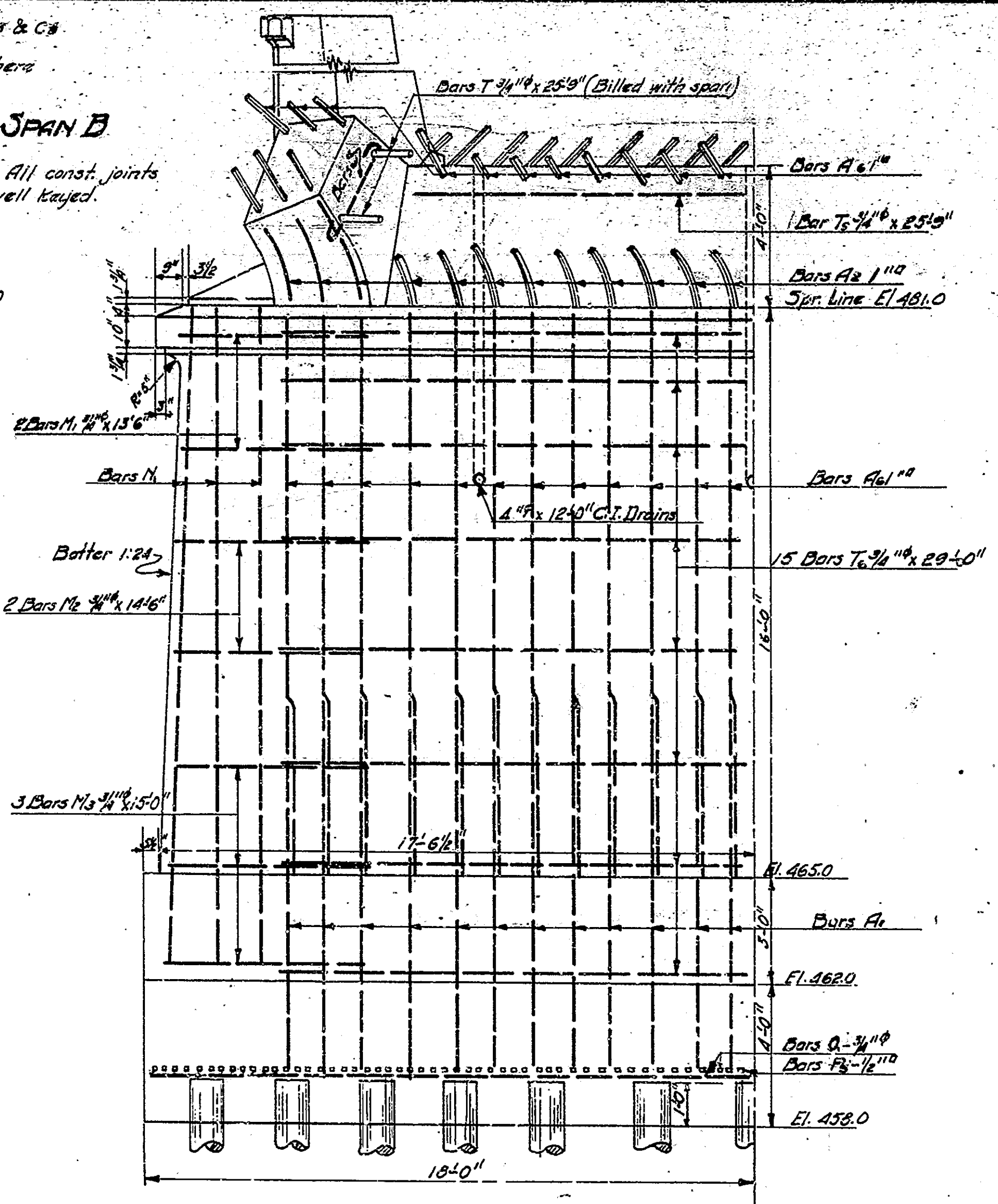
ABUTMENT NO. 1 DETAILS
REINFORCED CONCRETE ARCH BRIDGE
 2 SPANS 20'-0" EACH
 OVER LOST RIVER
 20'-0" ROADWAY
 ON STATE ROAD 4-K
INDIANA STATE HIGHWAY COMMISSION
 ORANGE COUNTY

SCALE: A3 NOTED
 RECOMMENDED FOR APPROVAL: [Signature]
 PROJECT: F.A. No. 16
 SECTION: H
 DRAWING: C4 OF 9
 AUGUST 7, 1922
 CHIEF, BUREAU OF BRIDGES
 STATION: 16+49.75
 STRUCTURE NO. 16

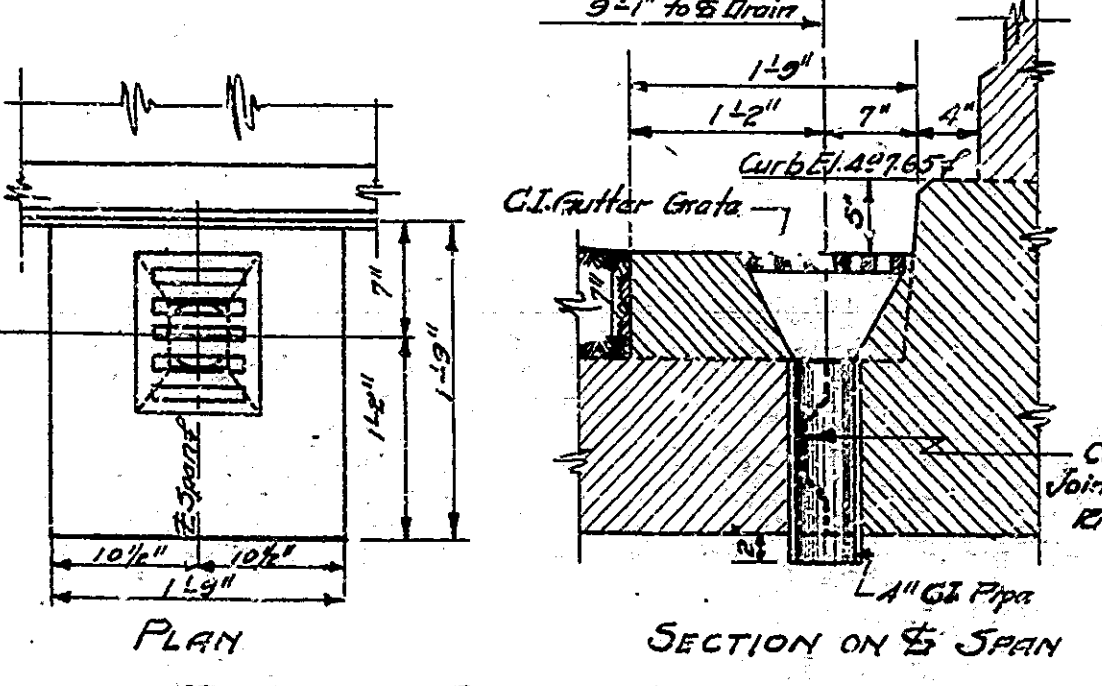
DESIGNED BY: [Name]
 DRAWN BY: [Name]
 TRACKED BY: [Name]



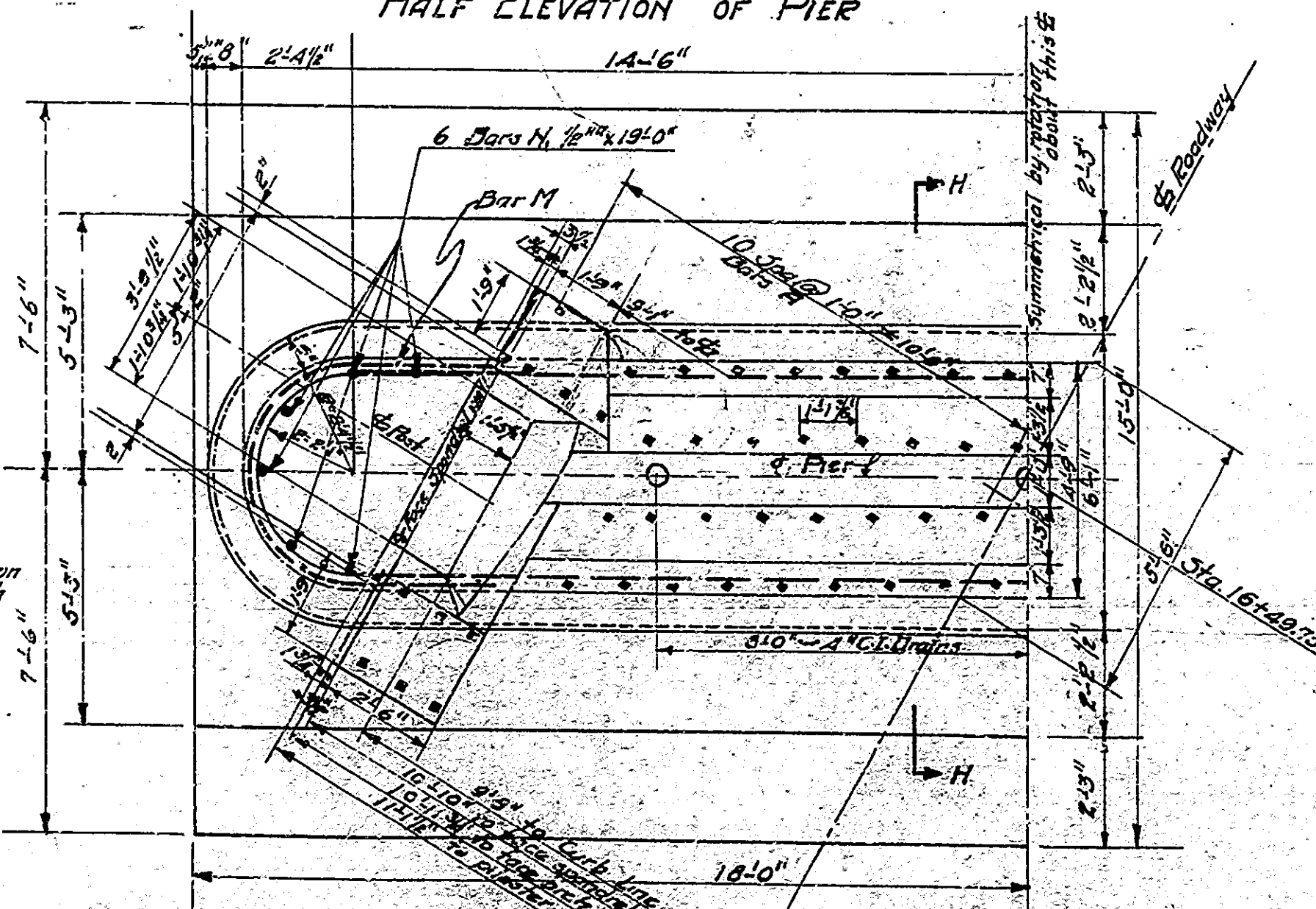
END ELEVATION PIER



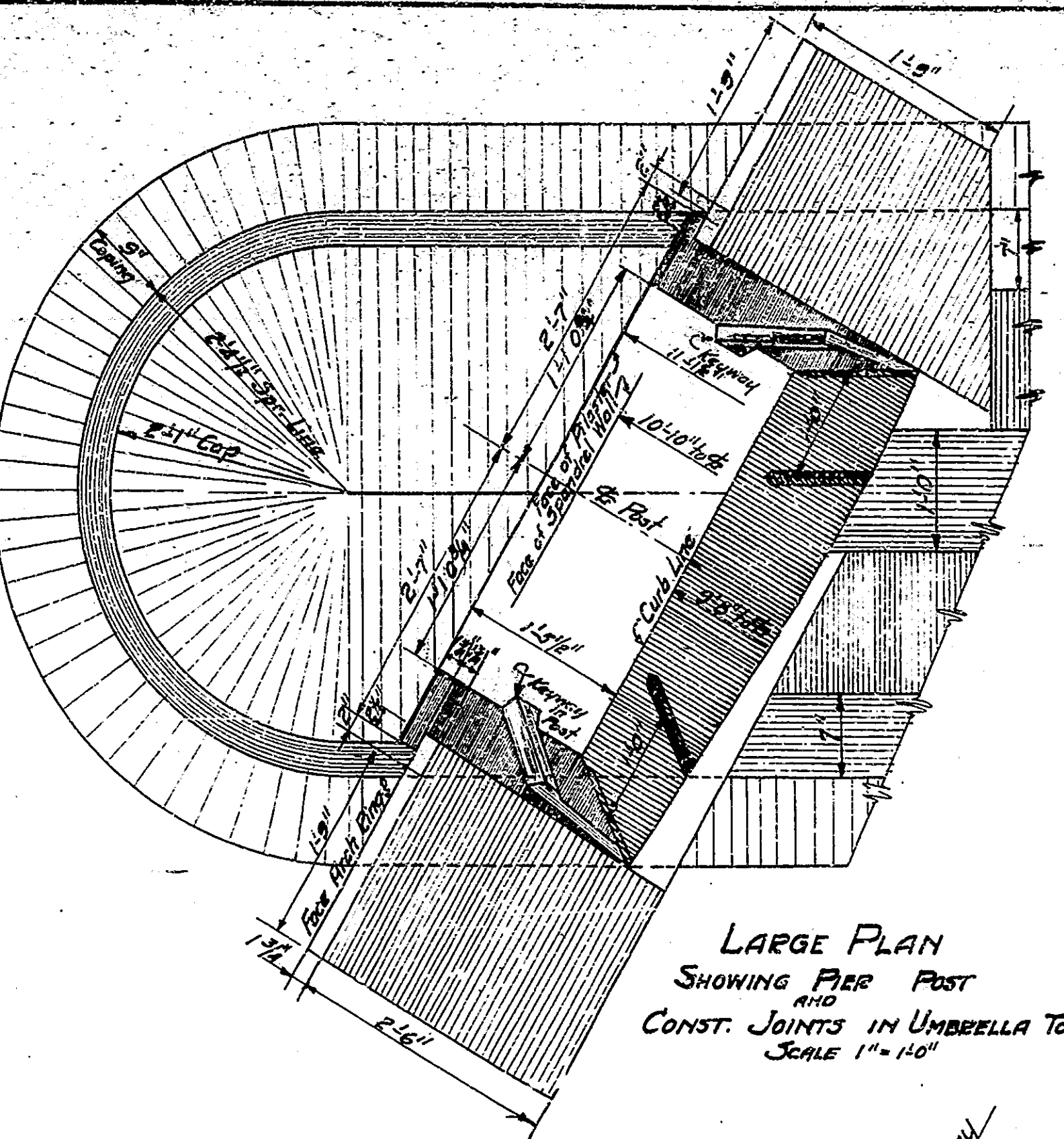
HALF ELEVATION OF PIER



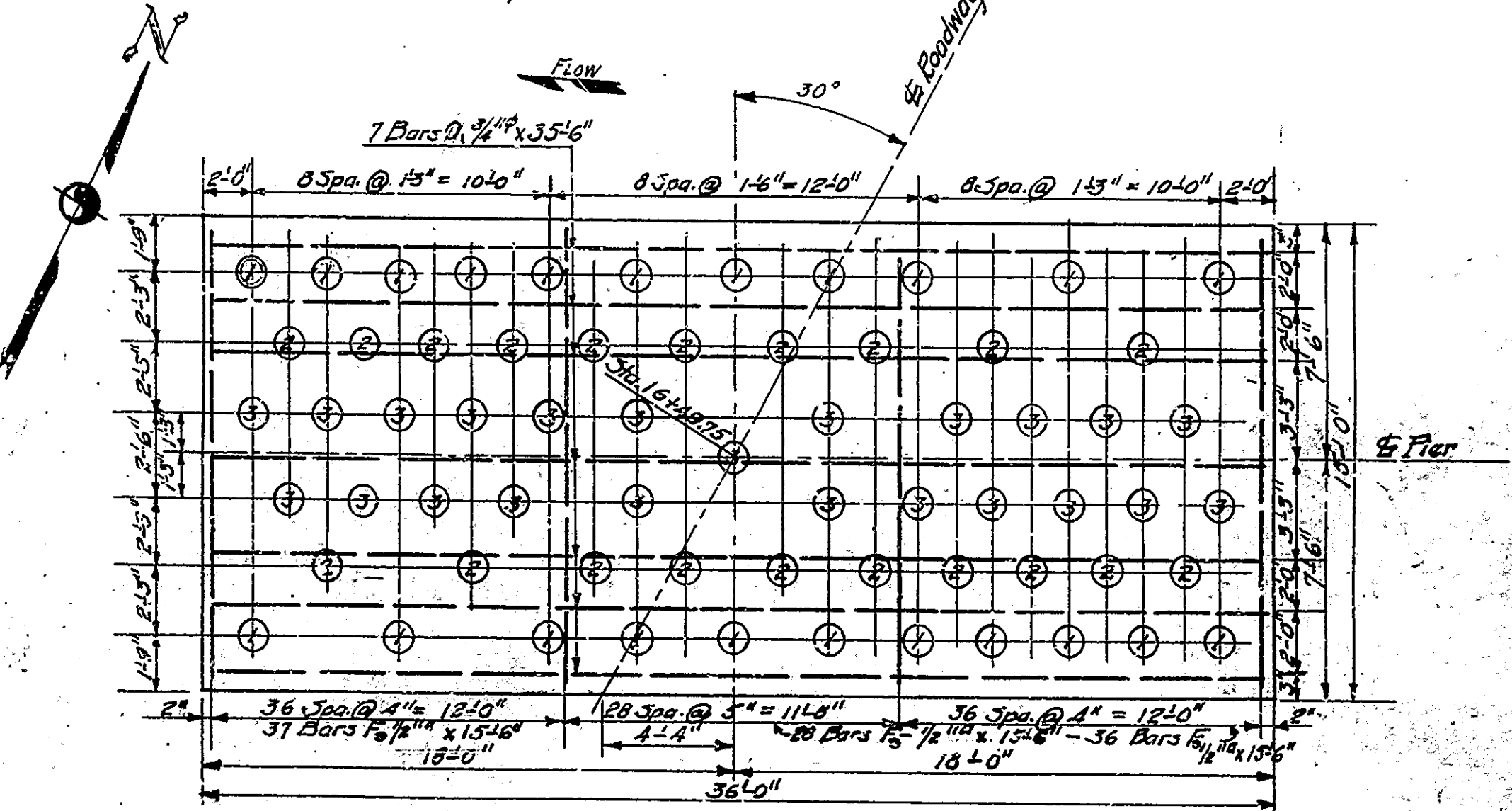
ROADWAY SURFACE DRAIN DETAILS
SCALE 1"=1'-0"



HALF PLAN OF PIER
Coping at top of pier post not shown

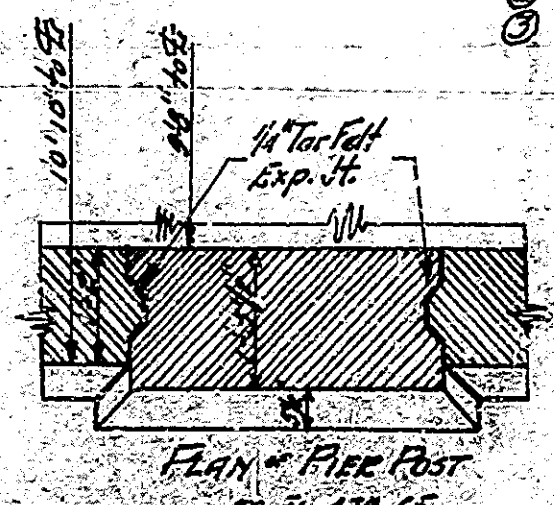


LARGE PLAN
SHOWING PIER POST
AND
CONST. JOINTS IN UMBRELLA TOP
SCALE 1"=1'-0"



FOOTING PLAN
SHOWING
PILING AND FOOTING STEEL
SCALE 1/4"=1'-0"

Bearing Capacity of piling
63 piles @ 22' each
 (1) 20 tons
 (2) 13 tons
 (3) 16 tons

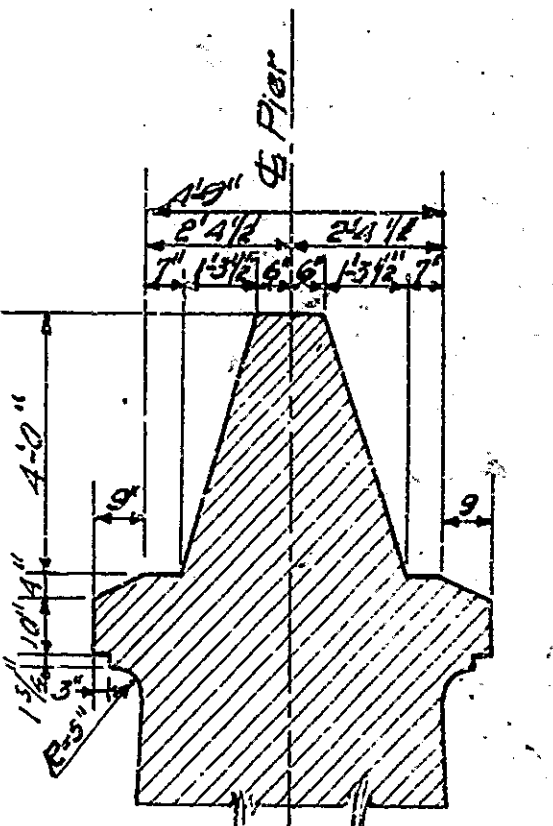


PLAN OF PIER POST
14 Bars Exp. H
Showing Reinforcement Bars

BRIDGES OVER 20' SPAN

NO.	DATE	BY	CHK.	REV.	DATE
7	INS.	16	1922	6	20

SECTION-H



SECTION H-H
Steel not shown

PIER DETAILS
REINFORCED CONCRETE ARCH BRIDGE

2 SPANS - 82'-0" EACH
OVER LOST RIVER
ON STATE ROAD 4K

INDIANA STATE HIGHWAY COMMISSION
ORANGE COUNTY

SCALE: - 3/8"=1'-0" EXCEPT AS NOTED
RECOMMENDED FOR APPROVAL:

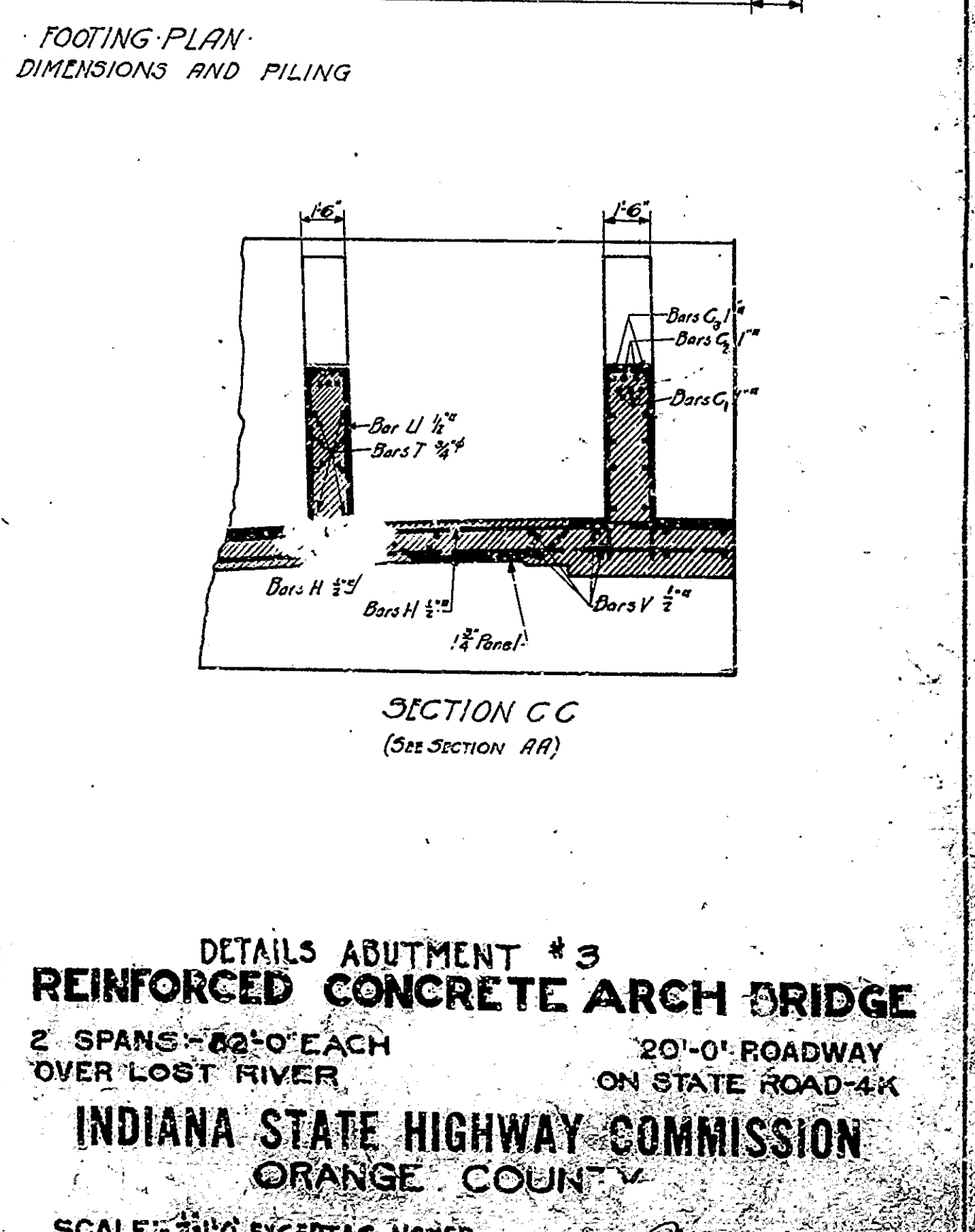
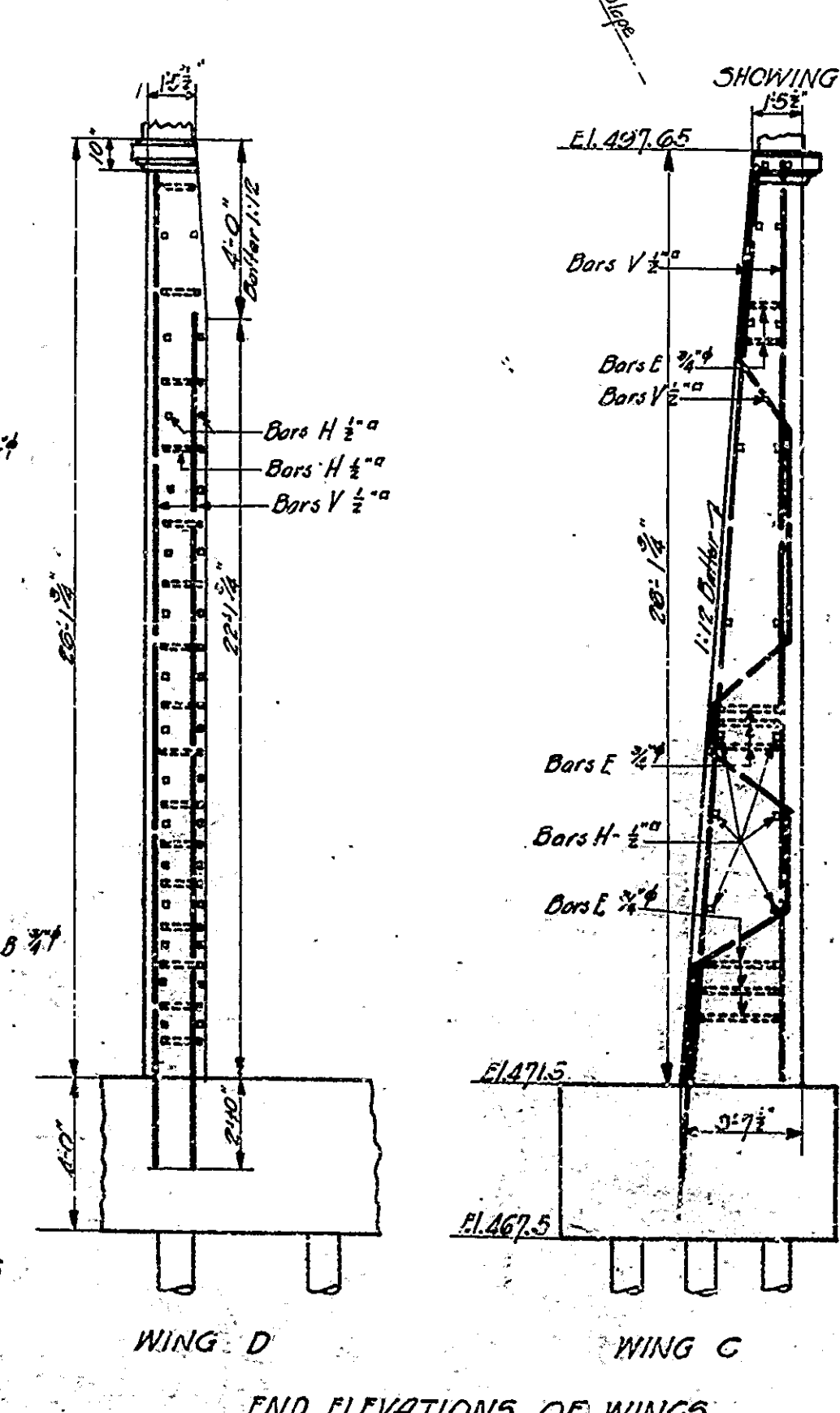
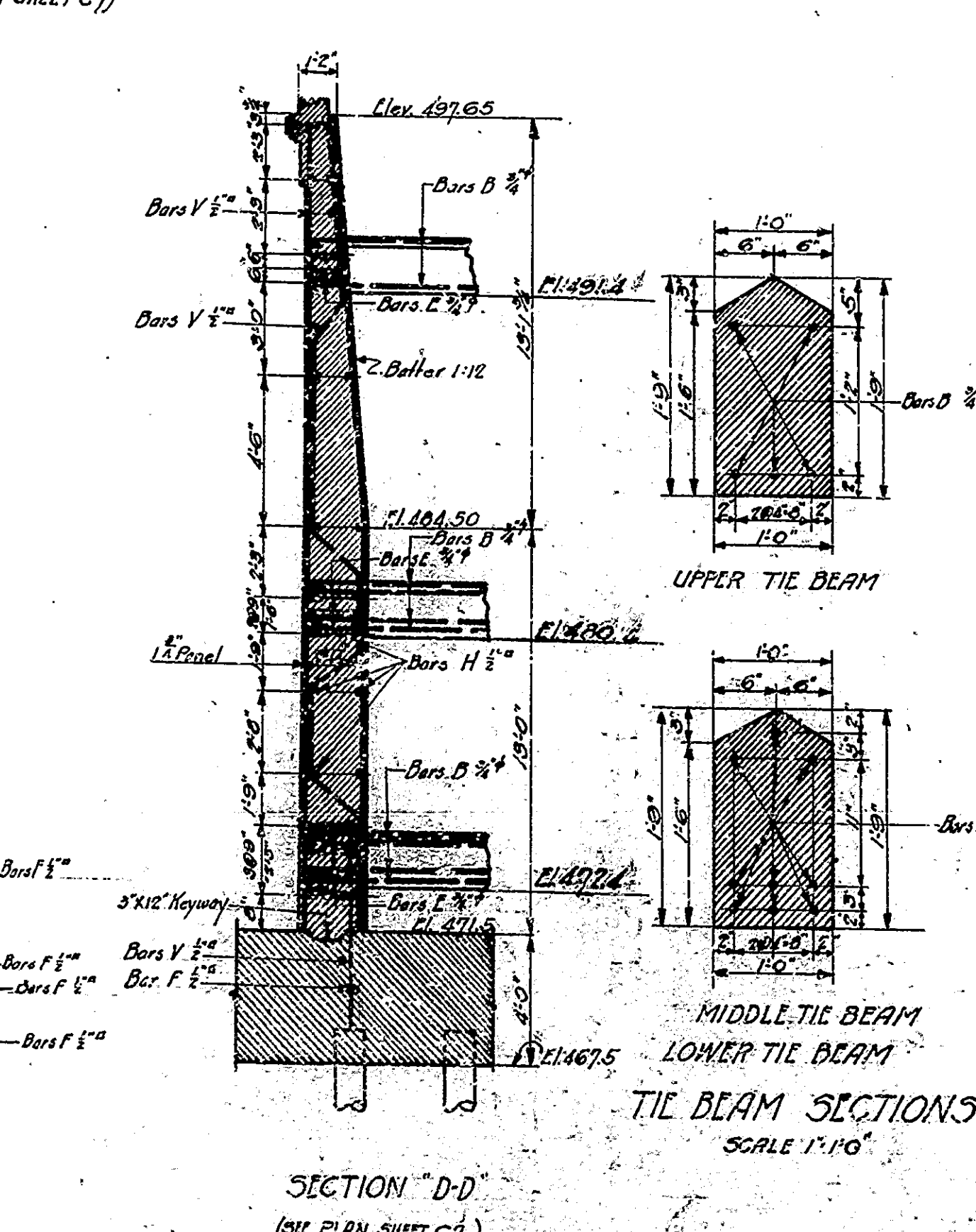
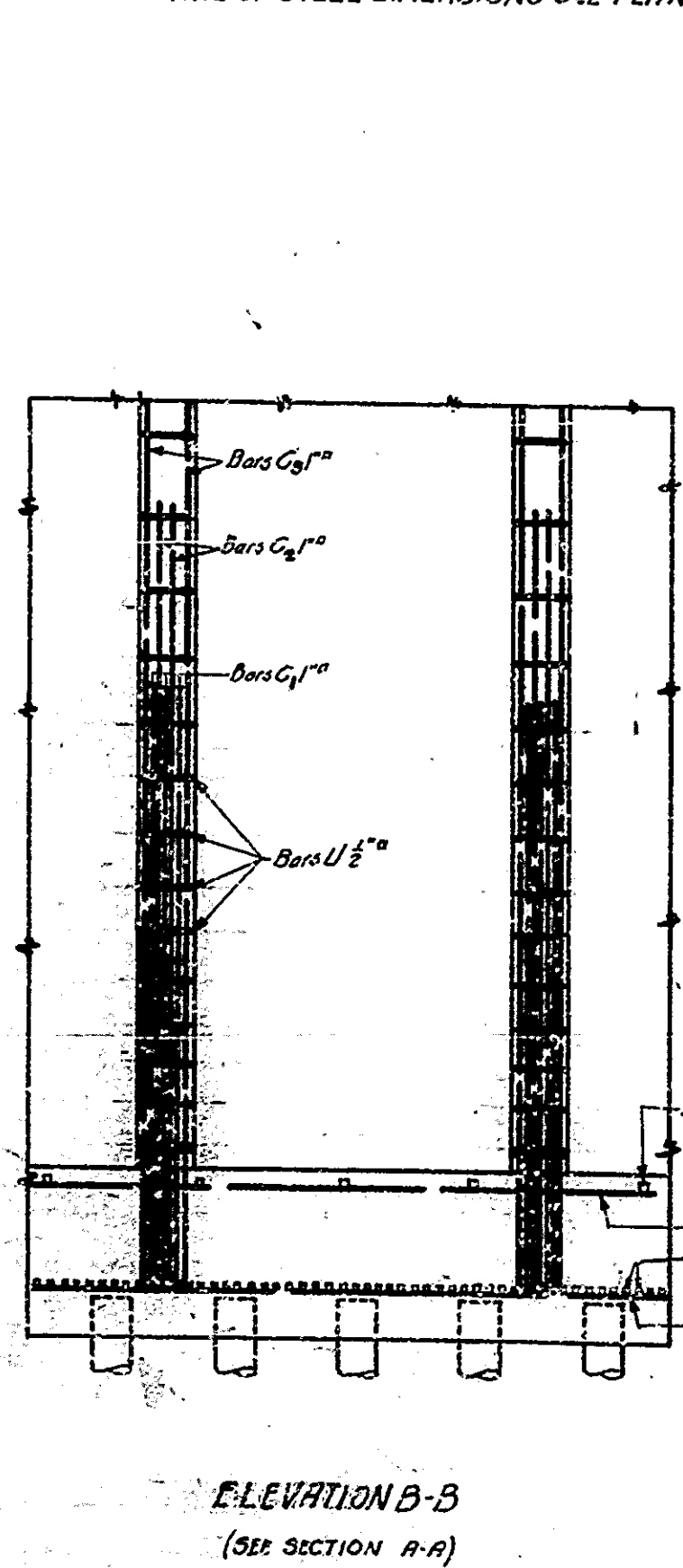
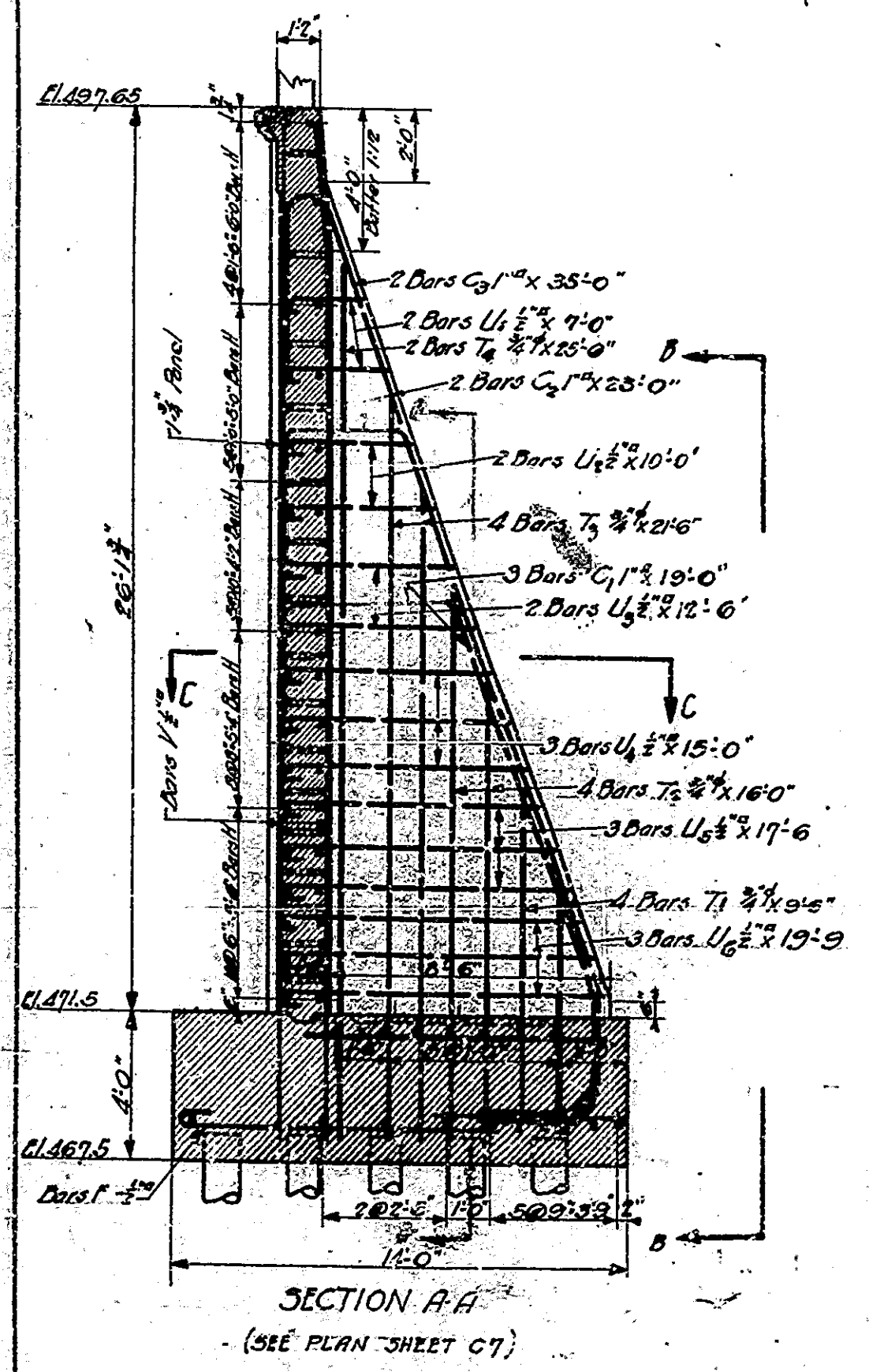
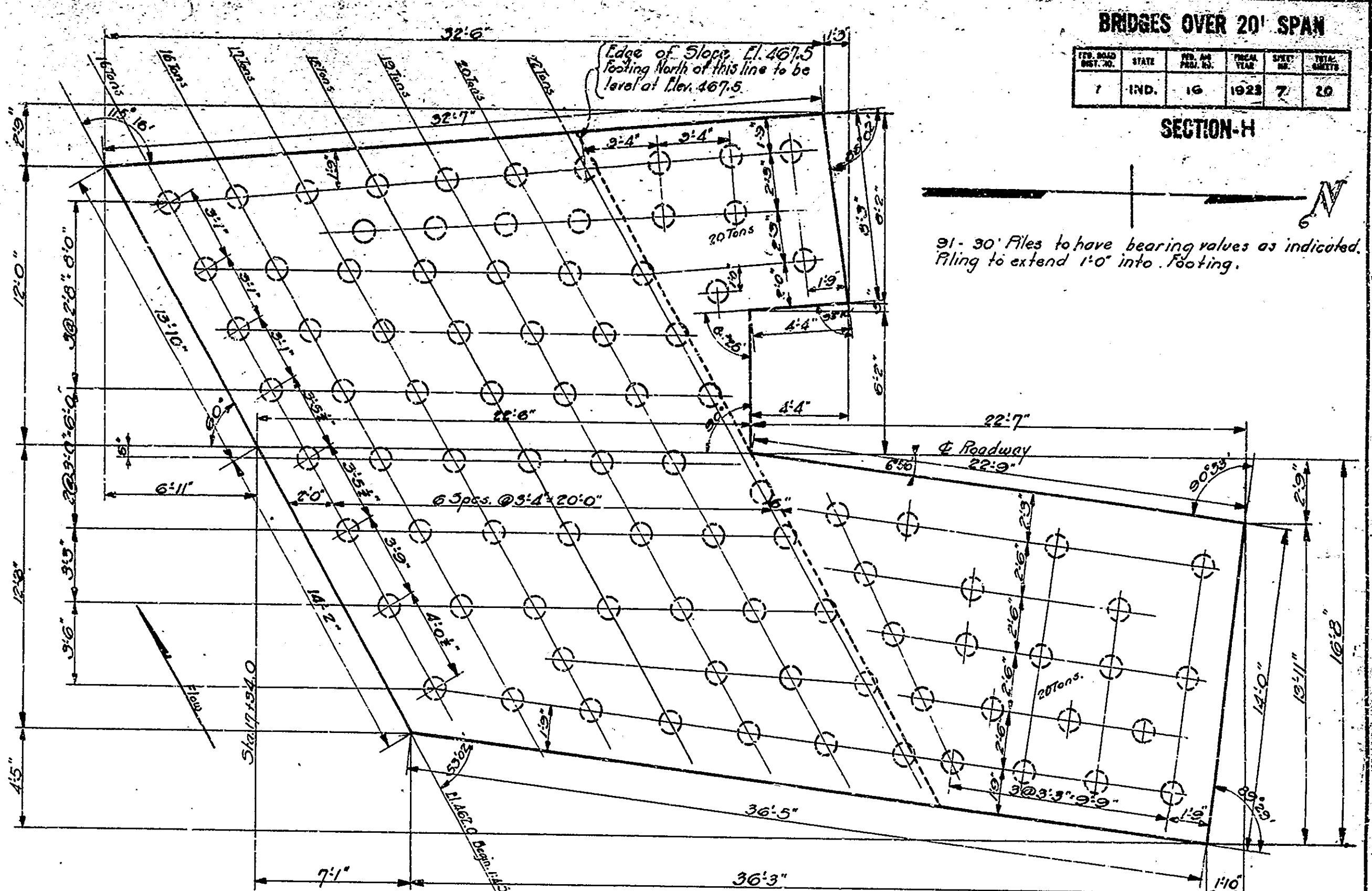
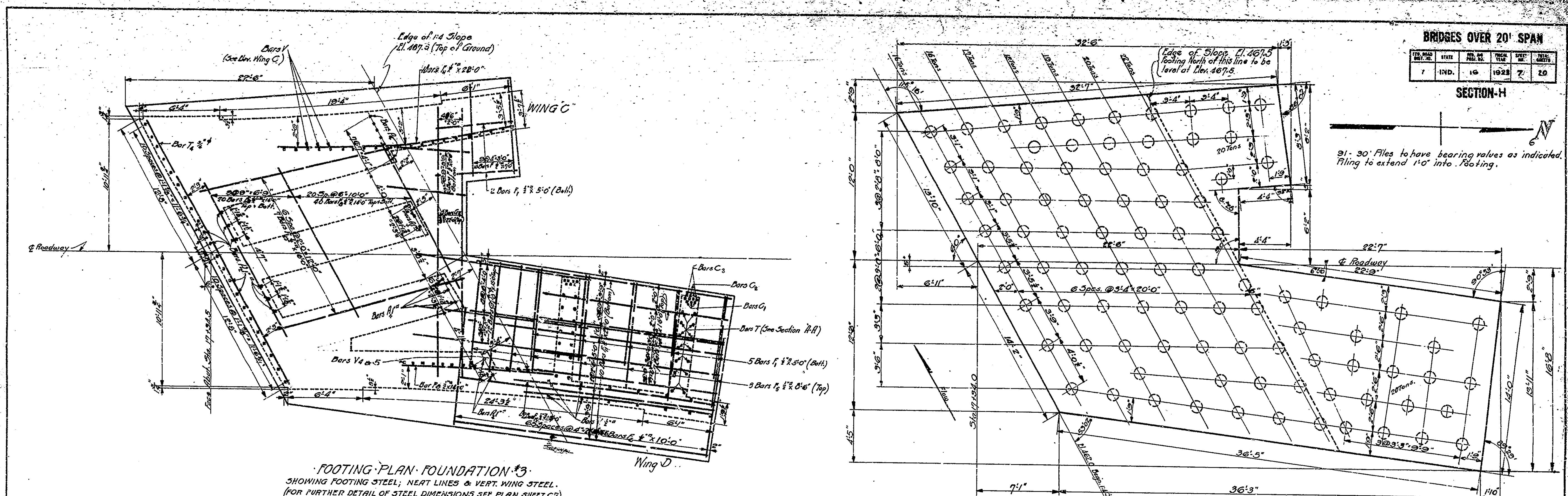
PROJECT - FA No. 16
SECTION - H
DRAWING - C5 OF 6

AUGUST 7, 1922

STATION: 16+49.75

STRUCTURE NO.

DESIGNED BY: W. J. COLEMAN, CHIEF ENGINEER
DRAWN BY: J. W. B. COLEMAN, CHIEF ENGINEER
TRACED BY: J. W. B. COLEMAN, CHIEF ENGINEER



DETAILS ABUTMENT #3
REINFORCED CONCRETE ARCH BRIDGE
2 SPANS - 82'-0" EACH
OVER LOST RIVER
20'-0" ROADWAY
ON STATE ROAD-4K

INDIANA STATE HIGHWAY COMMISSION
ORANGE COUNTY

SCALE: 3/4"=1'-0" EXCEPT AS NOTED
RECOMMENDED FOR APPROVAL

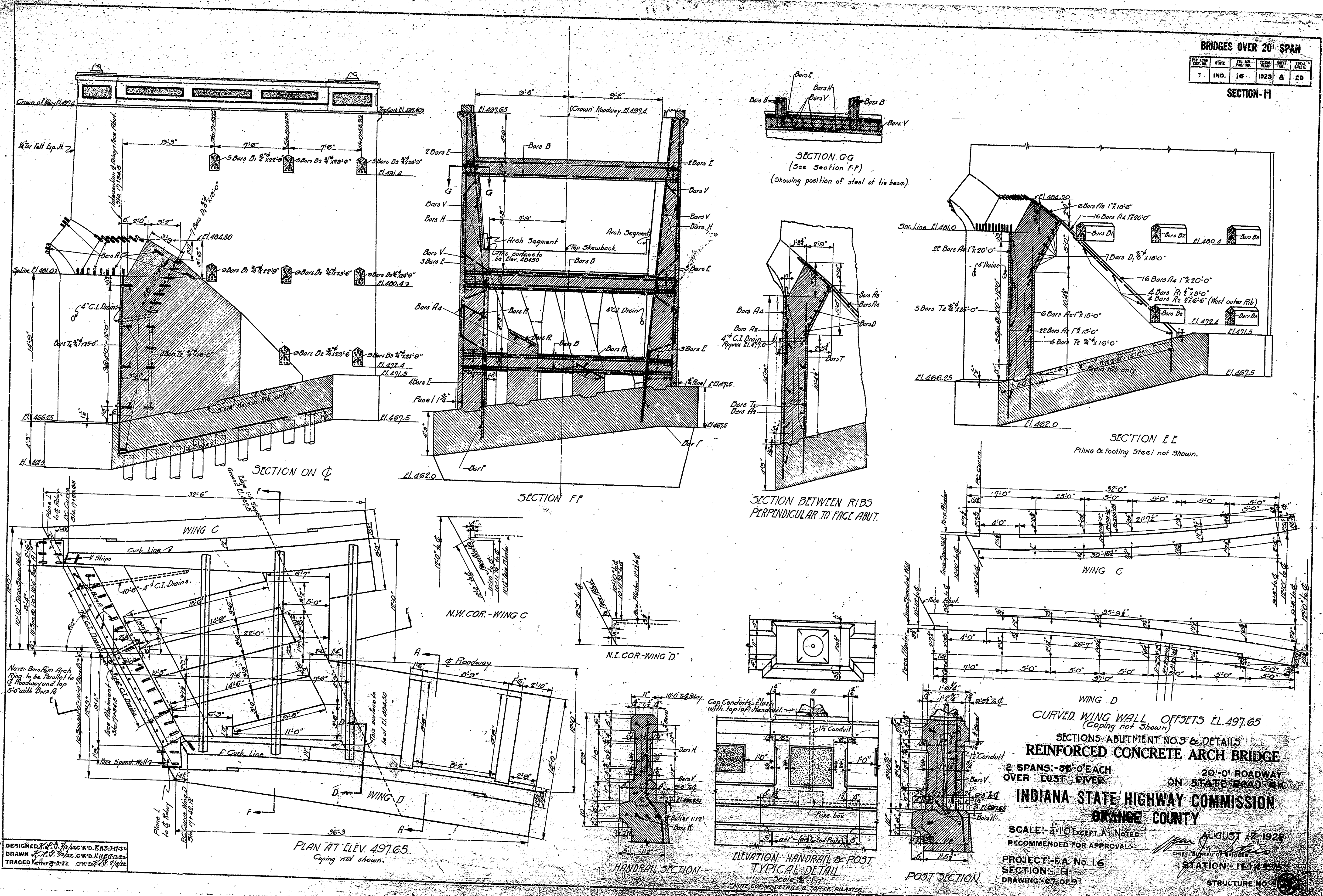
AUGUST 7, 1922

PROJECT: F.A. No. 16
SECTION: H
DRAWING: C-OF-9

STATION: 16+49.74
STRUCTURE NO.

DESIGNED BY J. J. MCKENNA
DRAWN BY J. J. MCKENNA
TRACED BY J. J. MCKENNA

BRIDGES OVER 20' SPAN					
PROJ. NO.	YEAR	DESIGNER	DATE	SCALE	NO.
7	IND.	16	1923	8	20

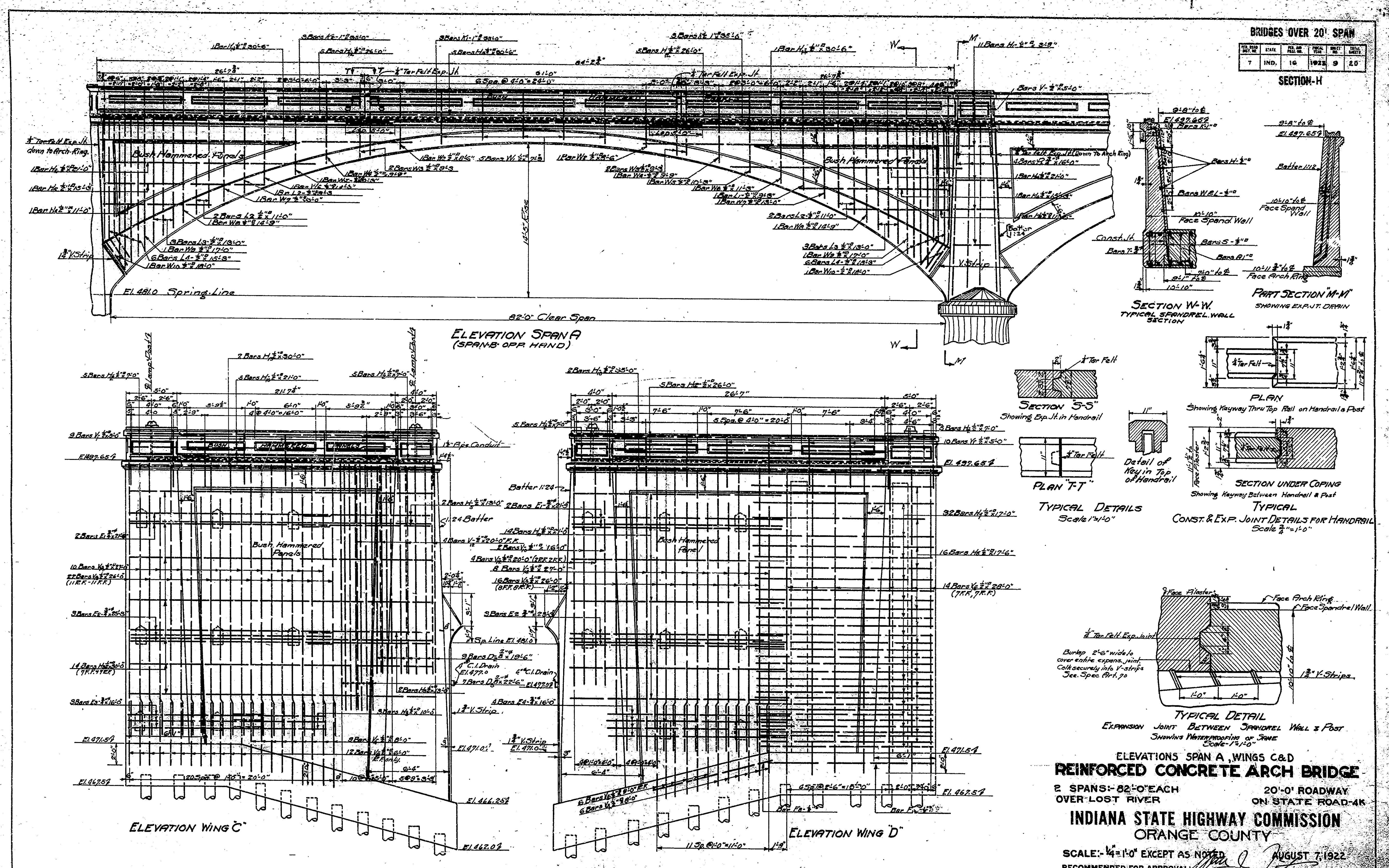


DESIGNED BY J. P. ...
 DRAWN BY ...
 TRACED BY ...

PLAN AT ELEV. 497.65
 Coping not shown.

CURVED WING WALL OFFSETS EL. 497.65
 (Coping not shown)
SECTIONS ABUTMENT NO. 3 & DETAILS
REINFORCED CONCRETE ARCH BRIDGE
 2 SPANS: 32'-0" EACH
 OVER DUST RIVER
 ON STATE ROAD 64
INDIANA STATE HIGHWAY COMMISSION
GRANGE COUNTY
 SCALE: 1/4" = 1'-0" EXCEPT AS NOTED
 RECOMMENDED FOR APPROVAL:
 PROJECT: F.A. NO. 16
 SECTION: F-I
 DRAWING: 07 OF 09
 AUGUST 17, 1923
 STATION: 1674.25
 STRUCTURE NO. 1

BRIDGES OVER 20' SPAN					
NO. PROJ. OR DRAWING	STATE	NO. OF PAGES	TOTAL PAGES	DATE	SCALE
7	IND.	16	16	1922	9 2.0



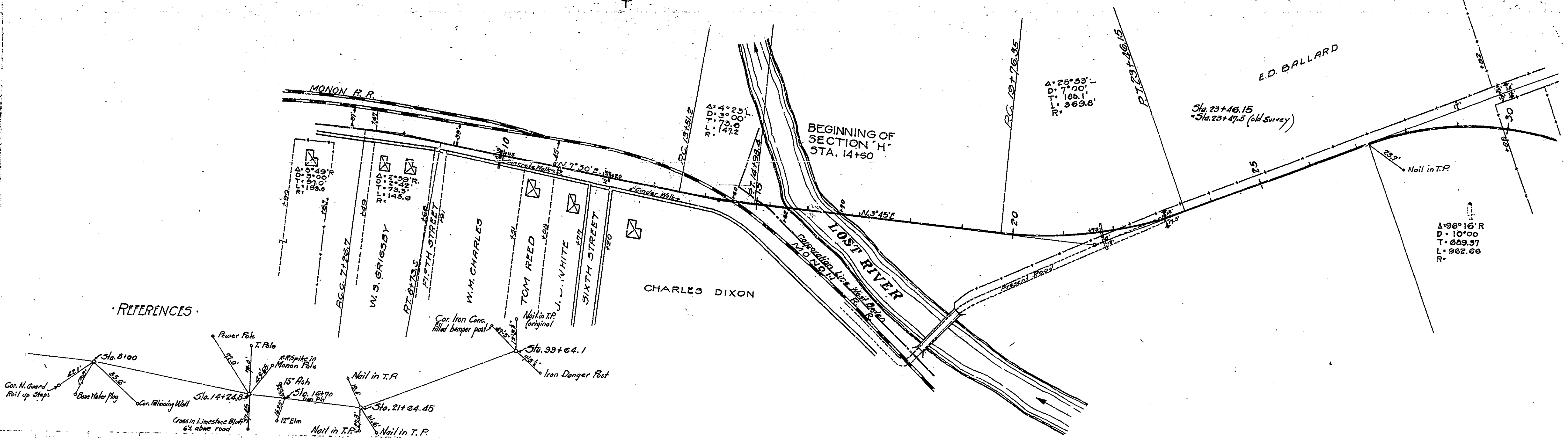
ELEVATIONS SPAN A, WINGS C & D
REINFORCED CONCRETE ARCH BRIDGE
 2 SPANS--82'-0" EACH OVER LOST RIVER
 20'-0" ROADWAY ON STATE ROAD-4K
INDIANA STATE HIGHWAY COMMISSION
ORANGE COUNTY
 SCALE: 1/4"=1'-0" EXCEPT AS NOTED
 RECOMMENDED FOR APPROVAL
 PROJECT: F.A. No. 16
 SECTION: H
 DRAWING: C-8 OF 9
 AUGUST 7, 1922
 STATION: 16+49.75
 STRUCTURE NO.

DESIGNED BY J. C. WILSON, CIVIL ENGINEER
 DRAWN BY J. C. WILSON, CIVIL ENGINEER
 TRACED BY J. C. WILSON, CIVIL ENGINEER

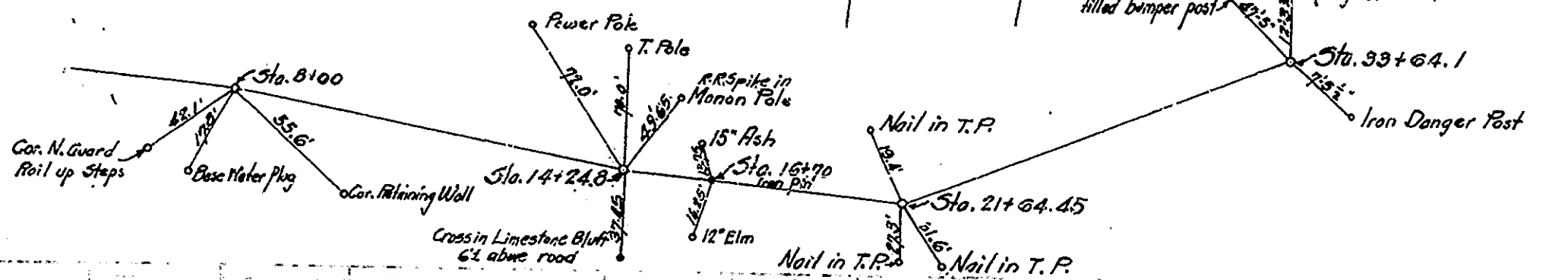
BRIDGES OVER 20' SPAN

FEDERAL DISTRICT	STATE	FED. AID PERCENT	CONTRACT NO.	DATE	NO. OF SPANS	TOTAL LENGTH
7	IND.	16	1923	21	20	

SECTION-H



REFERENCES



BENCH MARKS
 B.M. ELEV. 500.00 S.E. COR. CONG. WINDOW SILL OF LAUNDRY STA. 0+00
 B.M. ELEV. 495.69 S.W. COR. STONE WING WALL W. END BRIDGE STA. 16+70

NOTE: GRADE LINE REPRESENTS TOP OF FINISHED PAVEMENT.

