

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF CONSTRUCTION

FED. AID DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
10	OHIO		1934

1
11

HOLMES COUNTY
S.H. 342 SEC. B-1 (Br.)

BRIDGE OVER HONEY RUN

S.H. 342 SEC. B-1 (Br.)

HOLMES COUNTY

HARDY TOWNSHIP

BRIDGE NO. HO-76-111 AND ADJACENT HIGHWAY

NET LENGTH OF BRIDGE 63.5 Lin. Ft. = 0.012 MI.
NET LENGTH OF APPROACHES 536.5 Lin. Ft. = 0.102 MI.
NET LENGTH OF PROJECT 600 Lin. Ft. = 0.114 MI.

The Standard Specifications of the State of Ohio, Department of Highways, in force on date of contract will govern this improvement.

I hereby approve these plans and declare that the making of this improvement will not require the closing of the highway to traffic.

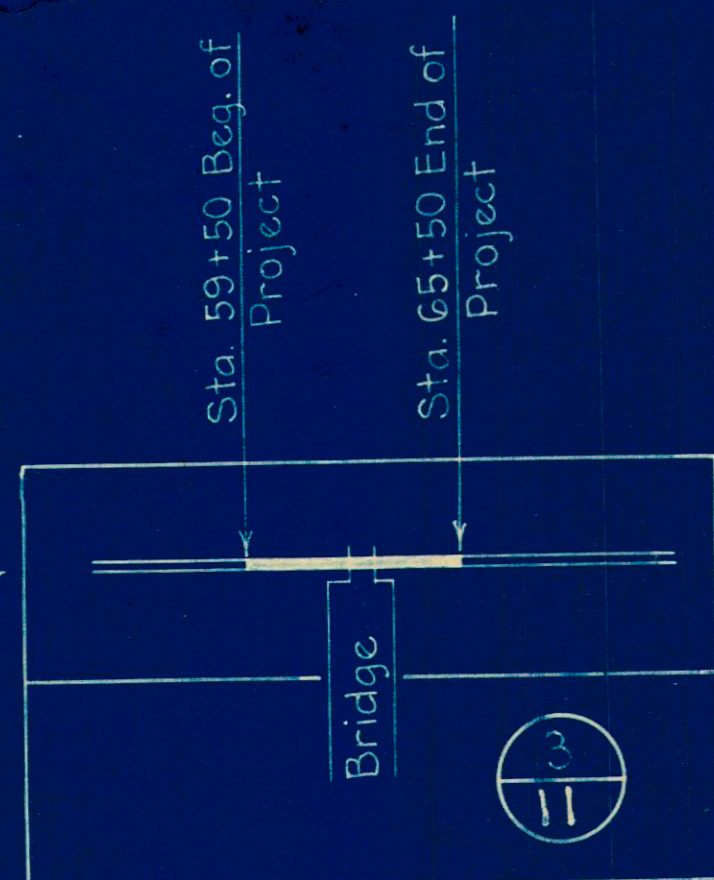
The necessary right-of-way has been provided.

CONVENTIONAL SIGNS

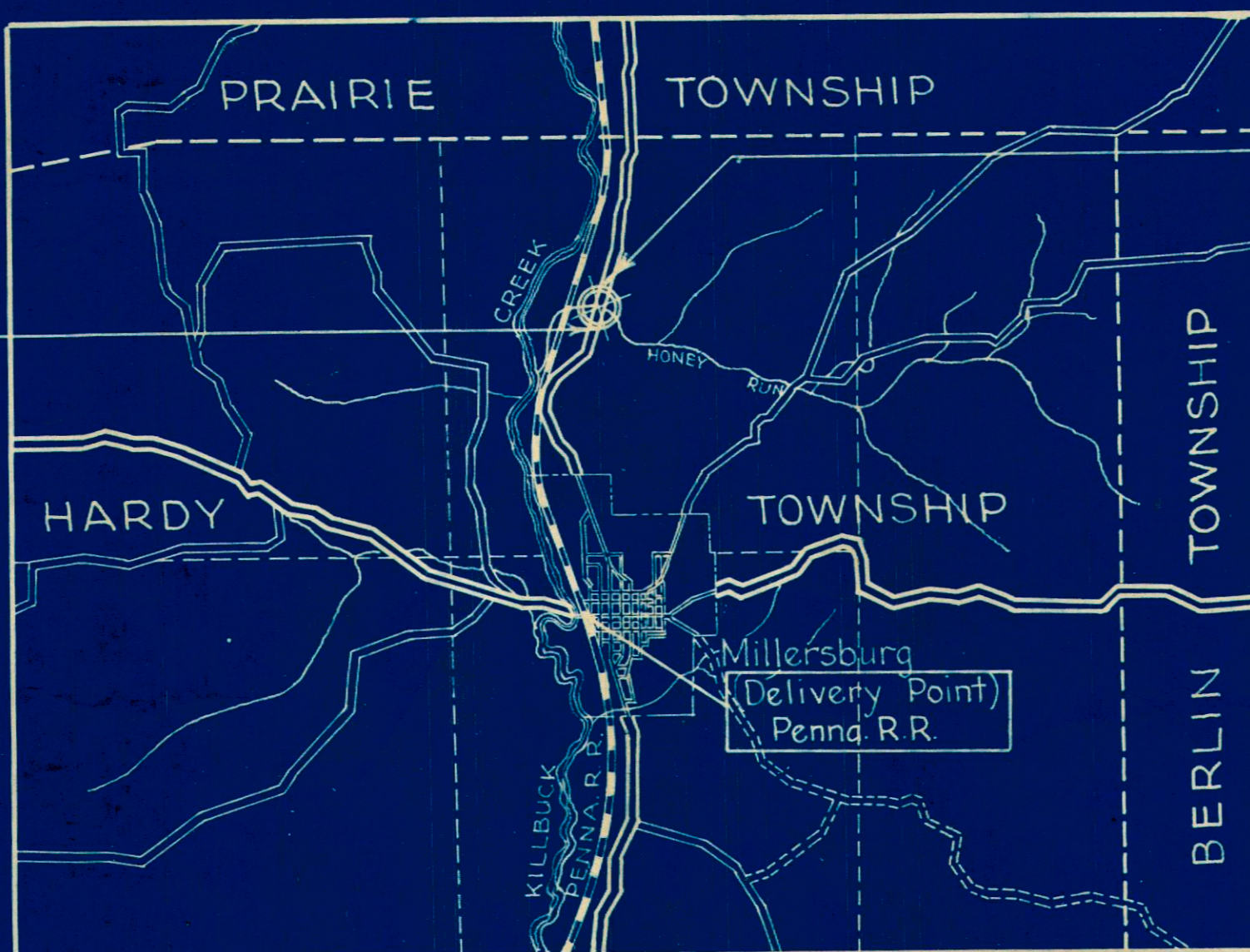
STATE LINE	----
COUNTY LINE	-----
TOWNSHIP LINE	- - - - -
SECTION LINE	-----
CENTER LINE	-----
PROPERTY LINE	-----
CITY OR VILLAGE LINE	-----
FENCE LINE	- x - x - x -
STEAM RAILROAD	====+====
ELECTRIC RAILROAD	-----+-----
POLE LINE	o o o o o
GUARD RAIL	o o o o o
DRAIN PIPE, NEW	-----
DRAIN PIPE, OLD	-----

INDEX OF SHEETS

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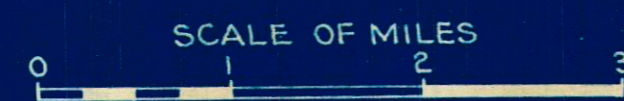


ROAD INDEX BY SHEETS
Right of Way 60'
Scale 1" = 500'



AVERAGE HAUL 2.5 MILES

LOCATION PLAN



BRIDGE LOCATION	
STATE HIGHWAY	
IMPROVED COUNTY ROADS	
UNIMPROVED COUNTY ROADS	

SCALES

PLAN	1" = 50'
PROFILE - VERTICAL	1" = 10'
PROFILE - HORIZONTAL	1" = 50'
CROSS-SECTIONS	1" = 5'

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS
NONE

Approved *Karl Snyder*
Date *7-11-34* Resident District Deputy Director

Approved *Paul Z. Buchala*
Date *7-14-34* Resident Division Deputy Director

Approved _____
Date _____ Chief Engineer, Bureau of Maintenance

Approved _____
Date _____ Chief Engineer, Bureau of Bridges

Approved *Elmer Hilty*
Date *7-23-34* Chief Engineer, Bureau of Construction

Approved *H.P. Chapman*
Date *7-28-34* First Ass't. Director and Chief Engineer

Approved *Oliver Self*
Date *7-28-34* Director of Highways

Recommended for Approval _____
Date _____ District Engineer, Bureau of Public Roads.

Recommended for Approval _____
Date _____ Chief Engineer, Bureau of Public Roads.

Approved _____
Date _____ Chief of Bureau.

CHECKING RECORD		
OFFICE	BY	DATE
RESIDENT	SSE	7-28-34
DIVISION		
BUREAU OF MAINTENANCE		
BUREAU OF BRIDGES	<i>H.P.C.</i>	<i>7-28-34</i>
BUREAU OF CONSTRUCTION	<i>R.D.</i>	<i>7/20/34</i>
BUREAU OF PUBLIC ROADS		

RECEIVED
By <i>[Signature]</i>
Clerk of Sales
1934
Date

APPROVED	
_____	_____ 19__
Planning Engineer	Date
Remarks	_____

FILE NO.	HOLMES COUNTY ~ 342 ~ B-1 (Br.)
DATE OF SALE	1934
CONTRACT NO.	_____

FED. AID DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
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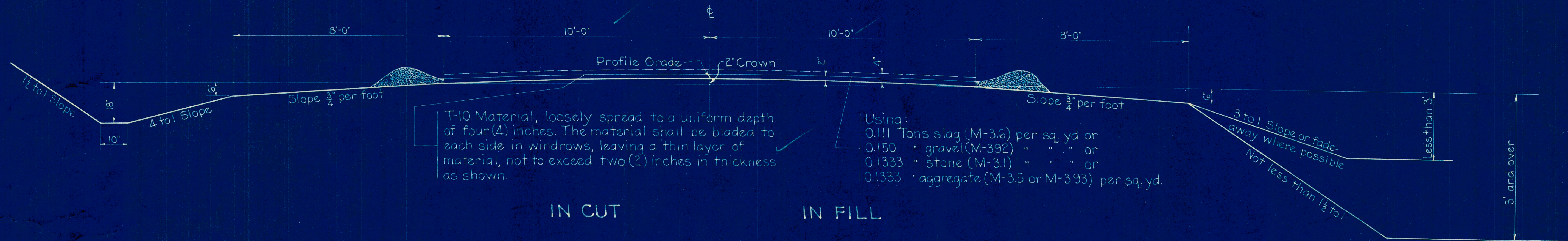
HOLMES COUNTY
S.H. 342 SEC. B-1 (Br.)

TYPICAL SECTIONS

FOR GRADING & TRAFFIC BOUND SURFACE

ITEMS E-1 & T-10

SCALE 1"=1'-0"



APPROVED

T-28-34
 [Signature]

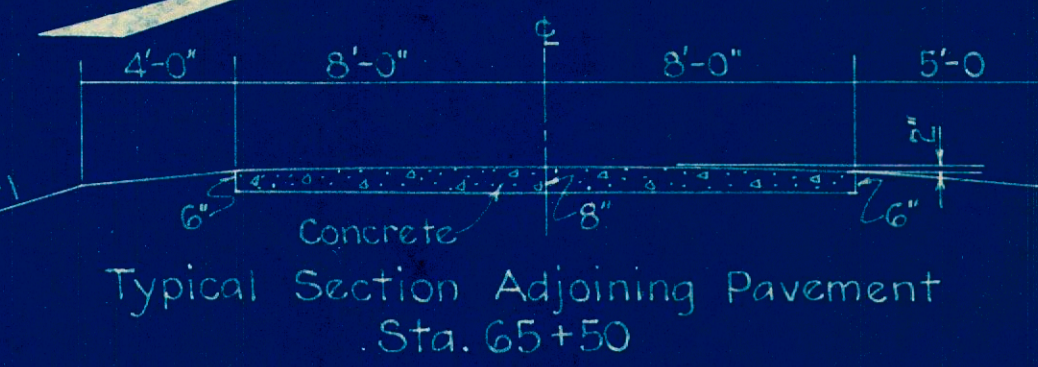
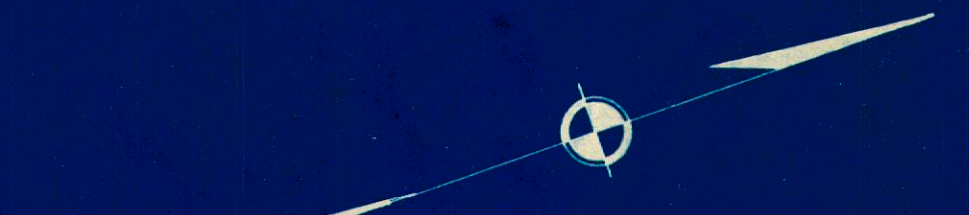
DATE	
BY	
SUBMITTED	
PLOTTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NO.	

DATE	
BY	
SURVEYED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHECKED	
NO.	

FED. AID DIST. NO.	STATE	FED. AID PROJECT	FISCAL YEAR
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HOLMES COUNTY
S.H. 342 SEC. B-1(Br)

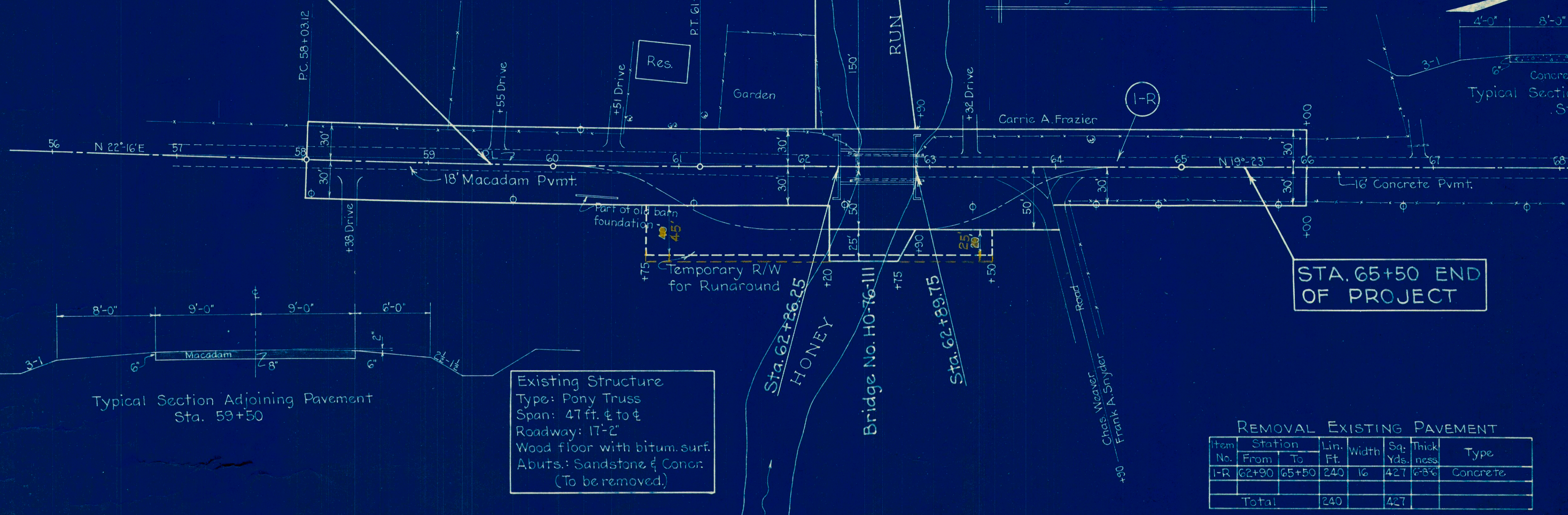
PROPOSED BRIDGE
 Type: Concrete Bridge on Steel Beams
 Span: 60' 1/2" Finished Camber
 Roadway: 24-Ft. No Skew
 Approach Slabs: None
 Wearing Surface: 1/2 Concrete Monolithic



STA. 59+50 BEGINNING OF PROJECT

Δ 1°-53'
 D 0°-36'
 T 157.0'
 L 313.88
 Ex. 1.28'

STA. 65+50 END OF PROJECT

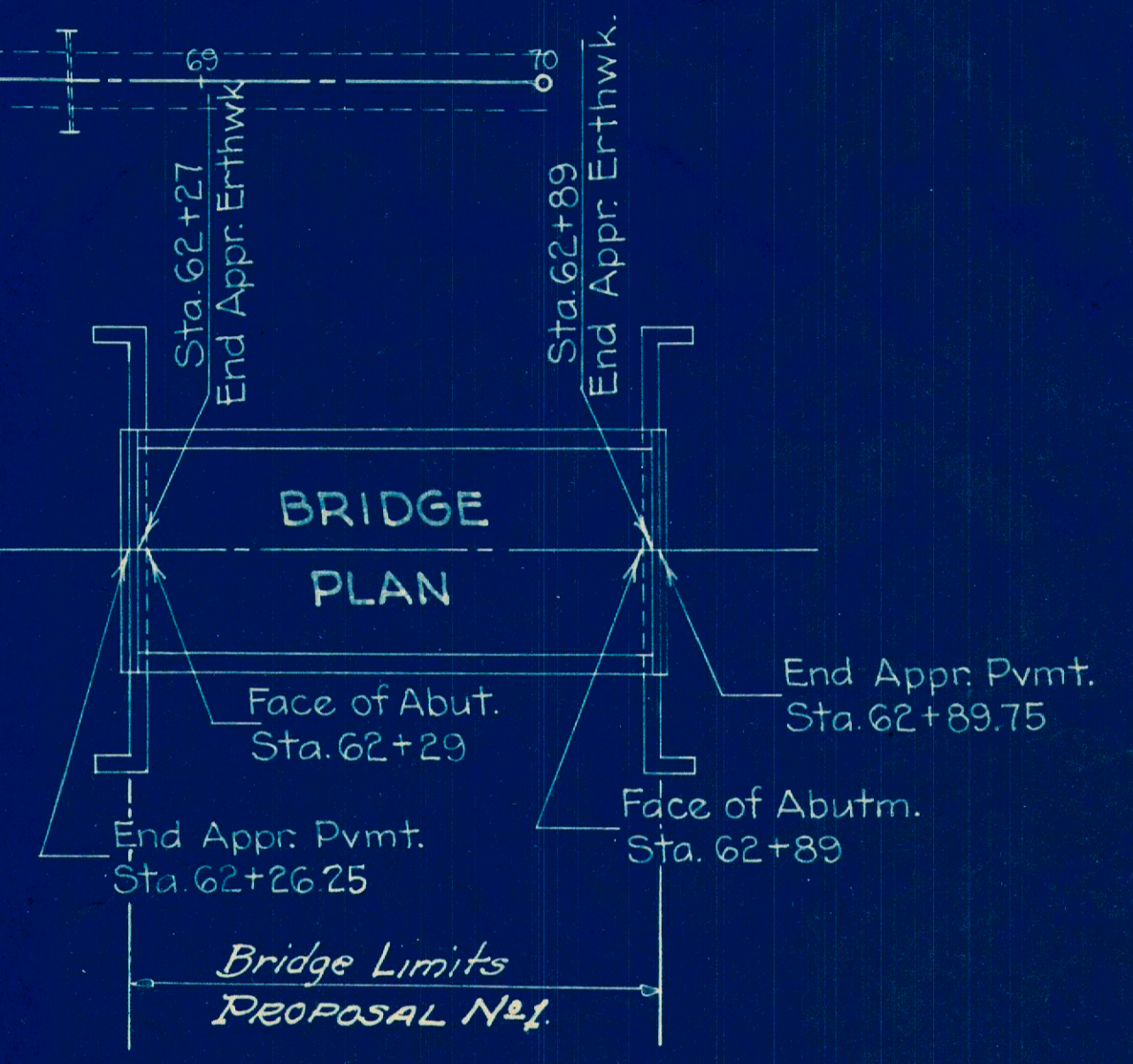


Typical Section Adjoining Pavement
Sta. 59+50

Existing Structure
 Type: Pony Truss
 Span: 47 ft. 6 to 6
 Roadway: 17'-2"
 Wood floor with bitum. surf.
 Abuts.: Sandstone & Concr.
 (To be removed.)

REMOVAL EXISTING PAVEMENT

Item No.	Station From	Station To	Lin. Ft.	Width	Sq. Yds.	Thick. in.	Type
1-R	62+90	65+50	240	16	427	6-8 1/2	Concrete
Total			240		427		

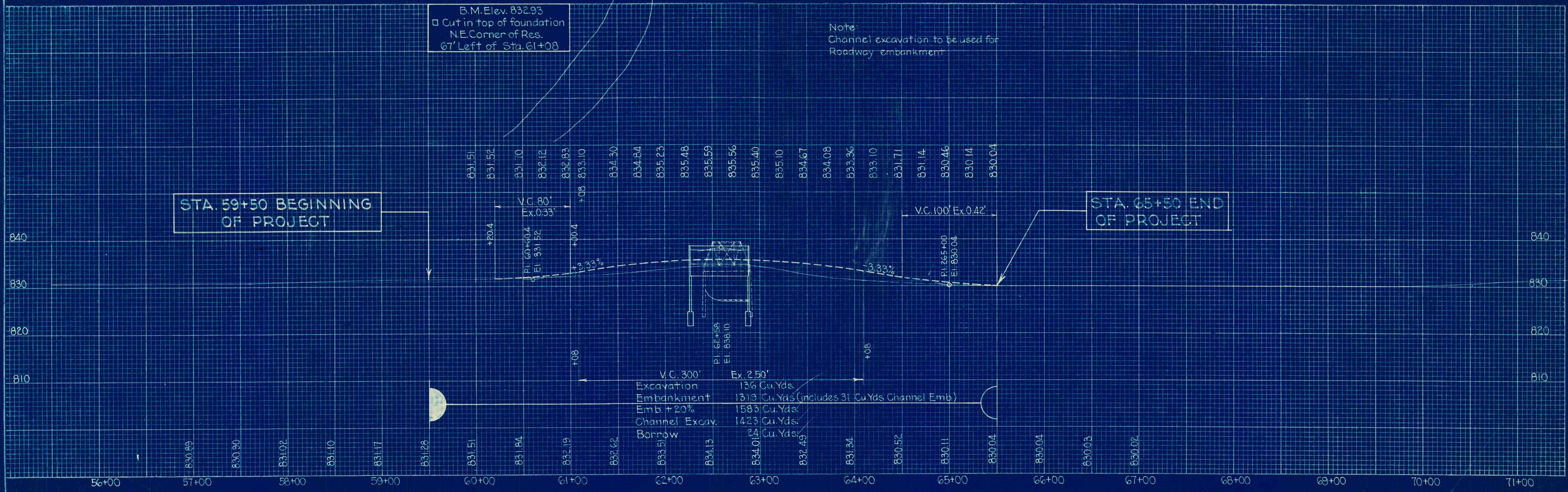


B.M. Elev. 832.93
 □ Cut in top of foundation
 N.E. Corner of Res.
 67' Left of Sta. 61+08

Note:
 Channel excavation to be used for
 Roadway embankment

STA. 59+50 BEGINNING OF PROJECT

STA. 65+50 END OF PROJECT



V.C. 300' Ex. 2.50'

Excavation	136 Cu. Yds.
Embankment	1313 Cu. Yds. (includes 31 Cu. Yds. Channel Emb.)
Emb. + 20%	1583 Cu. Yds.
Channel Excav.	1423 Cu. Yds.
Borrow	24 Cu. Yds.

FINAL SURVEY
 SURVEYED BY
 PLOTTED BY
 NOTE BOOK NO.
 AREA CHECKED

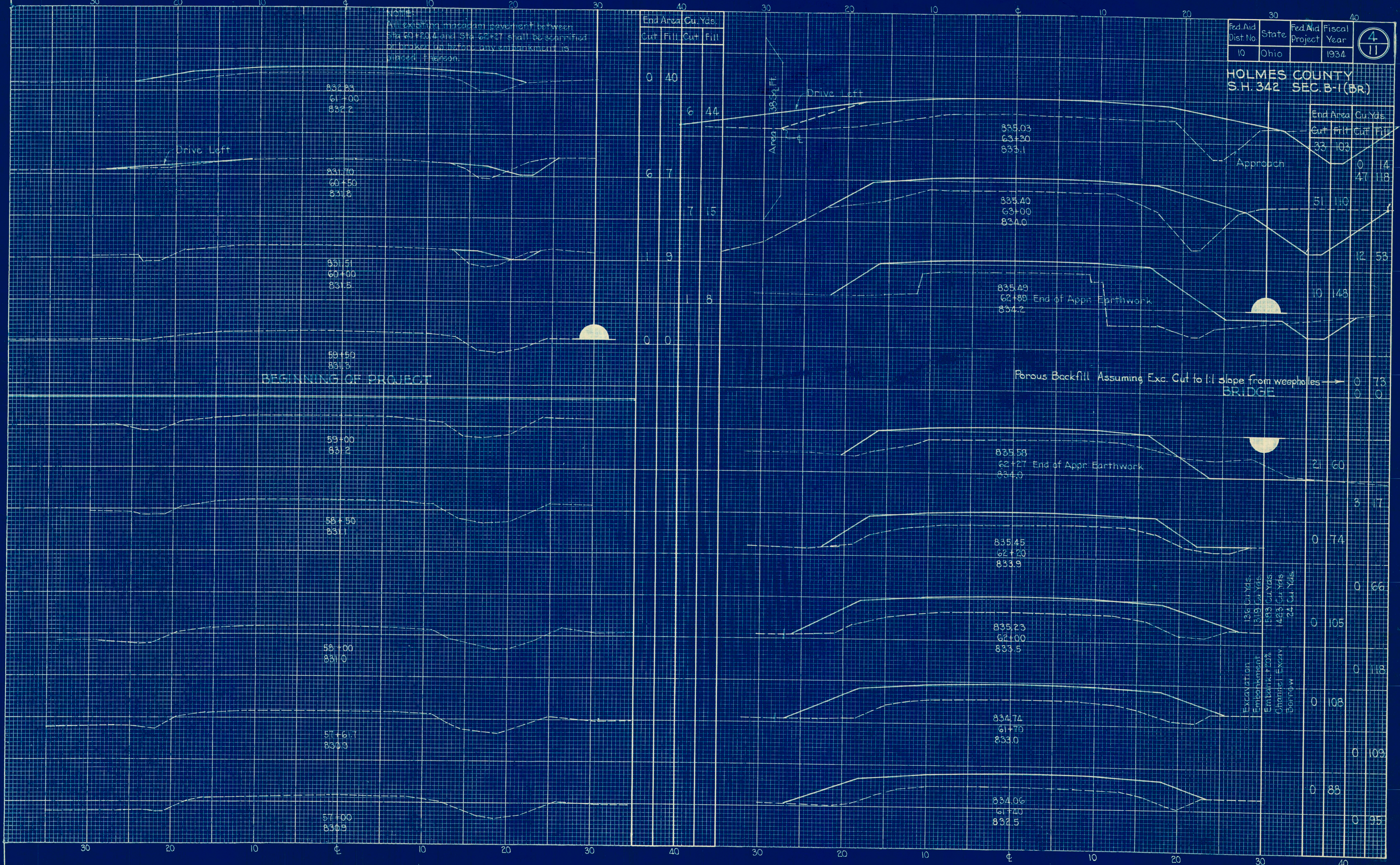
ORIGINAL SURVEY
 SURVEYED BY
 PLOTTED BY
 NOTE BOOK NO.
 AREA CHECKED

NOTE:
 All existing macadam pavement between Sta 60+20.4 and Sta 62+27 shall be scarified or broken up before any embankment is placed thereon.

Fed. Aid Dist. No.	State	Fed. Aid Project	Fiscal Year
10	Ohio		1934

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HOLMES COUNTY
 S.H. 342 SEC. B-1 (BR.)



End Area Cu. Yds.			
Cut	Fill	Cut	Fill
0	40		
6	44		
6	7		
7	15		
1	9		
1	8		
0	0		

End Area Cu. Yds.			
Cut	Fill	Cut	Fill
33	103		
0	14		
47	118		
5	110		
12	58		
10	143		
0	73		
0	0		
21	60		
8	17		
0	74		
0	66		
0	105		
0	118		
0	108		
0	109		
0	88		
0	95		

Excavation	136 Cu. Yds.
Embankment	319 Cu. Yds.
Embank. 120%	1583 Cu. Yds.
Channels Excav.	1423 Cu. Yds.
Ditching	74 Cu. Yds.

30 20 10 0 10 20 30 40

End Area Cu. Yds.			
Cut	Fill	Cut	Fill

Fed. Aid Dist. No.	State	Fed. Aid Project	Fiscal Year
10	Ohio		1934

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HOLMES COUNTY
S.H. 342 SEC. 8-1 (BR)

STA. 65+30 END OF PROJECT

830.0
65+50
830.0

0 0
2 19

830.46
65+00
830.1

2 20
6 68

831.71
64+50
830.5

4 55
3 82

832.71
64+20
831.00

2 93
1 73

Road Approach Right

833.36
64+00
831.3

0 104
5 87

833.97
63+80
831.7

14 130
13 87

834.45
63+60
832.2

21 132
30 131

30 20 10 0 10 20 30 40

DATE	
BY	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

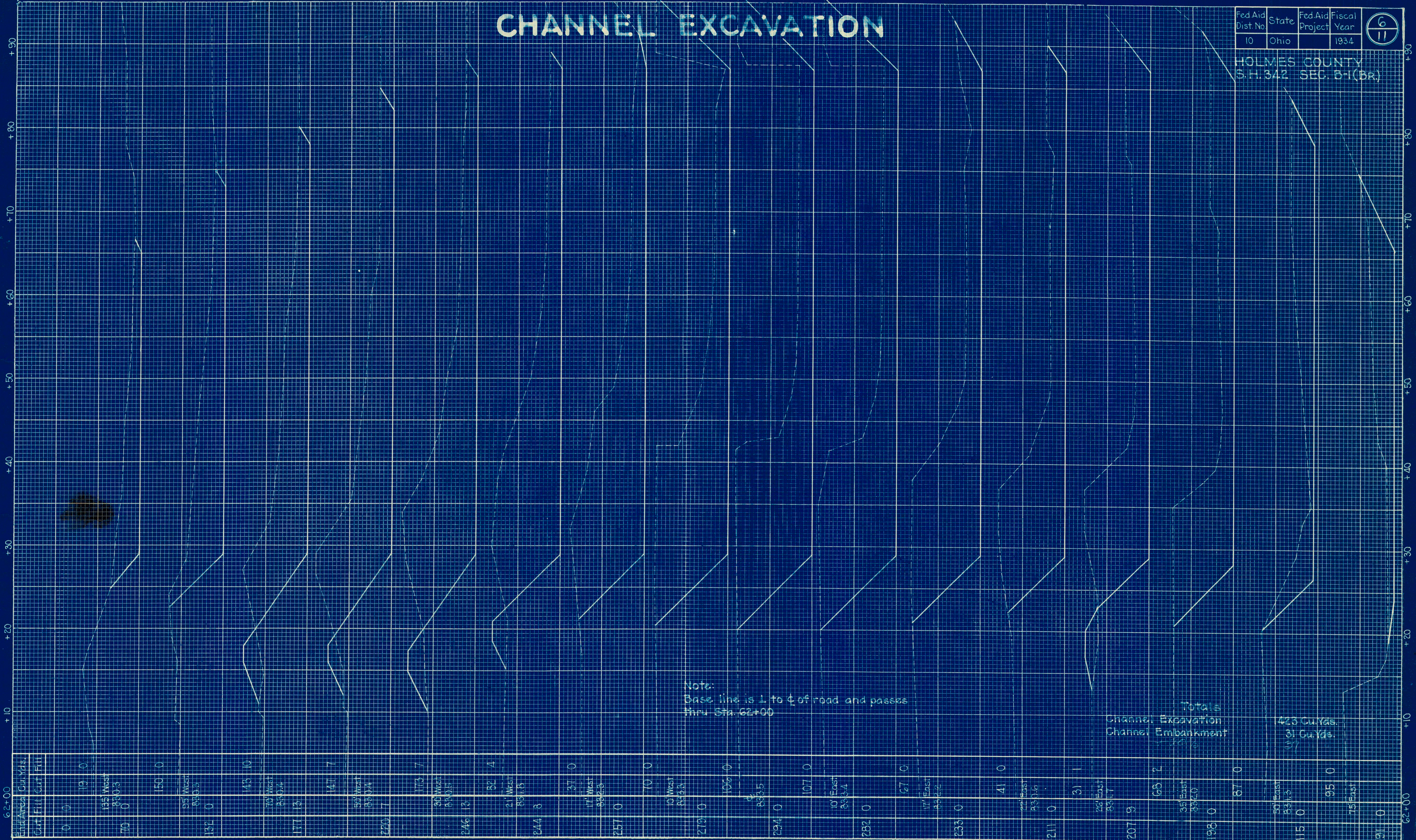
CHANNEL EXCAVATION

Fed Aid Dist. No.	State	Fed Aid Project	Fiscal Year	6 11
10	Ohio		1934	

HOLMES COUNTY
S.H. 342 SEC. 5-1 (BR.)

FINAL SURVEY
NOTE BOOK NO. _____
DATE _____

ORIGINAL SURVEY
NOTE BOOK NO. _____
DATE _____



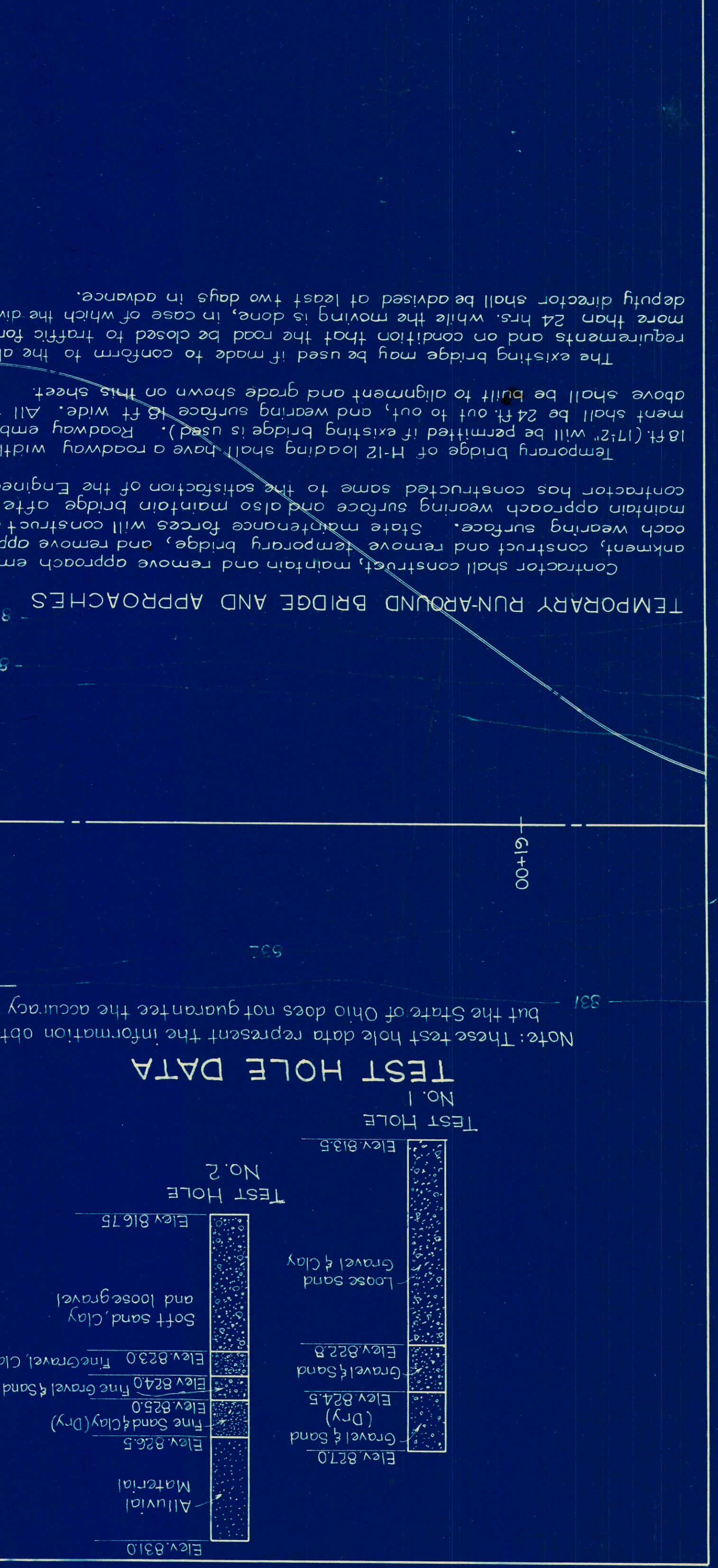
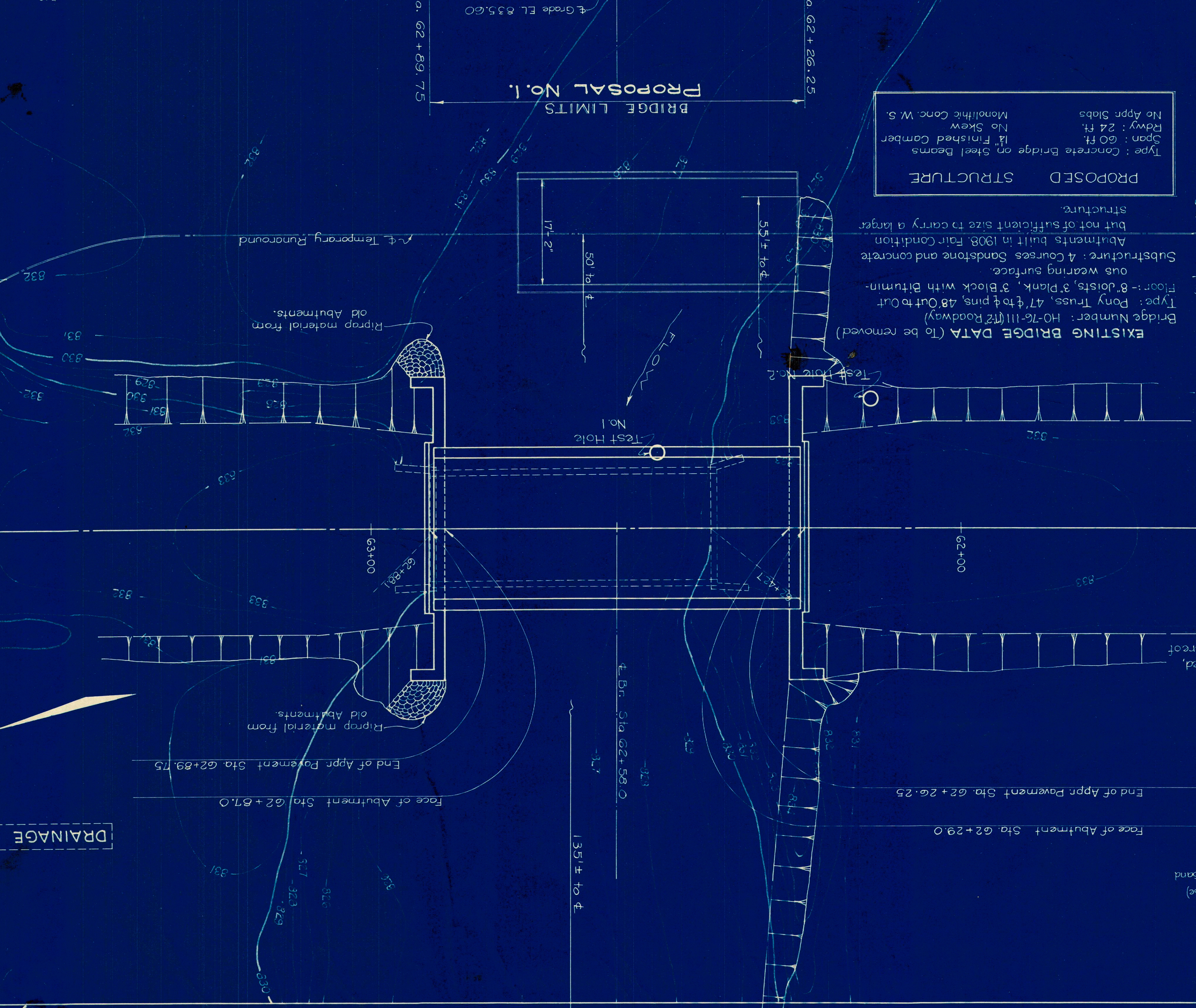
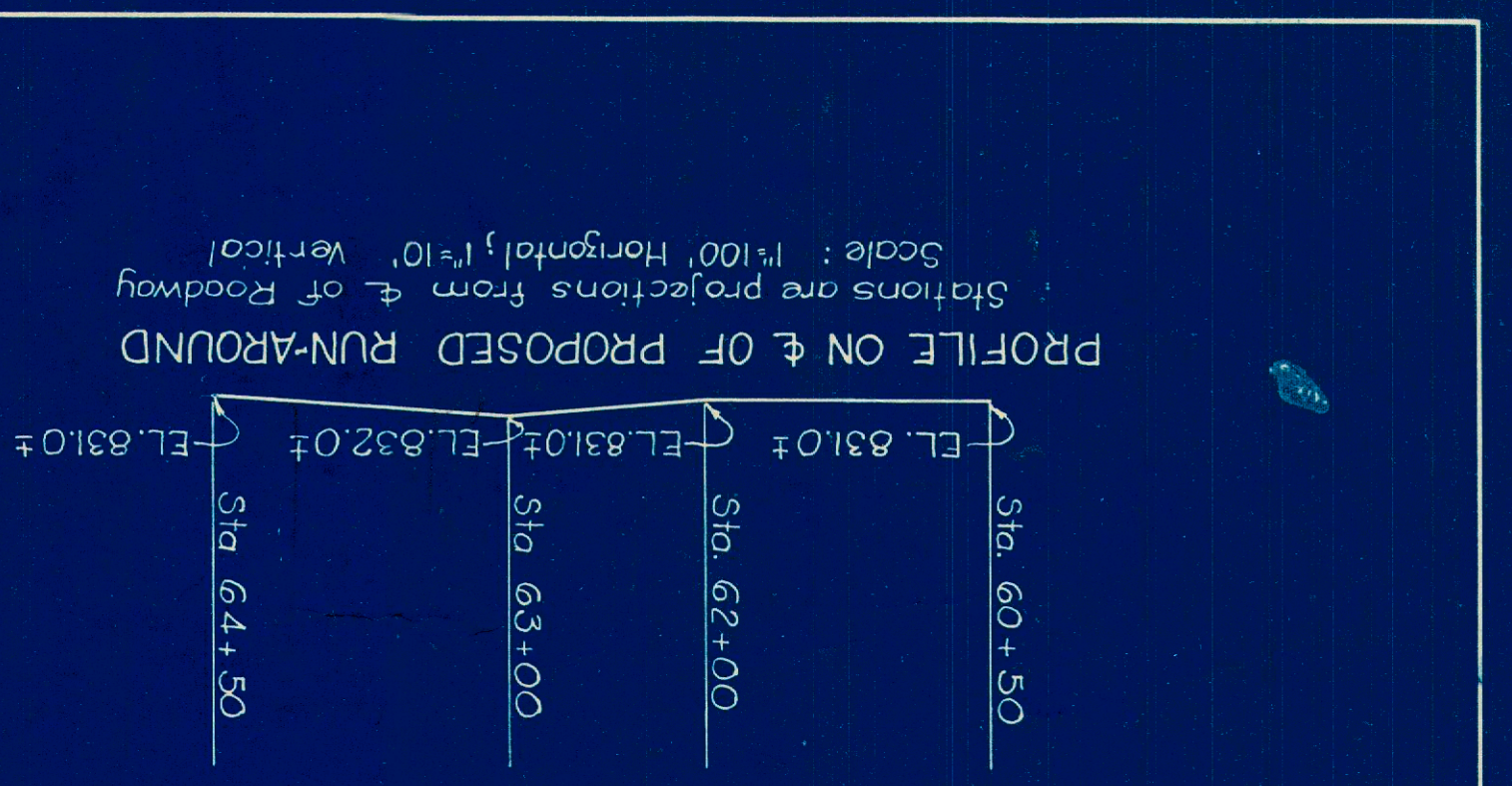
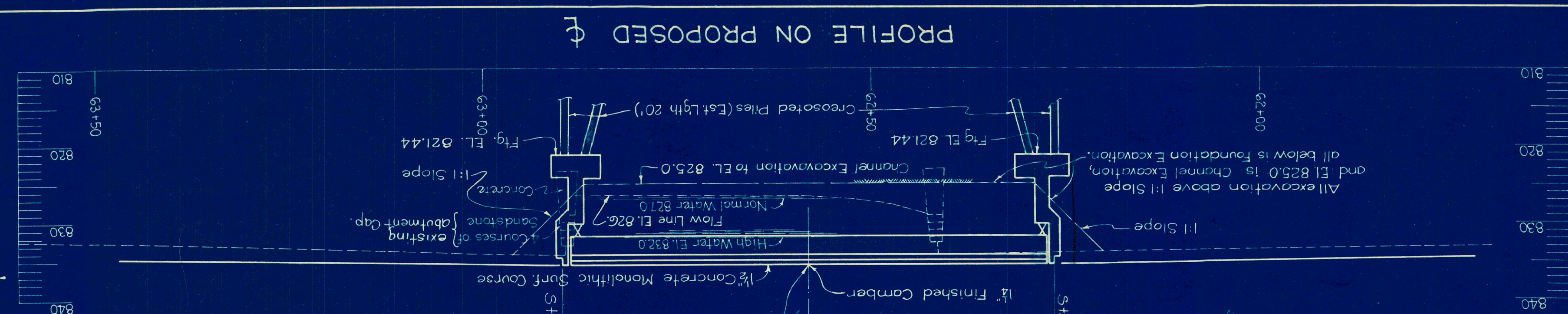
Note:
Base line is 1 to ϕ of road and passes thru Sta. 62+00

Totals
Channel Excavation 423 Cu. Yds.
Channel Embankment 31 Cu. Yds.
392

Sta.	End Area	Cur. Yds.	Cut	Fill	Cur. Yds.	Fill
62+00	0	0	0	0	0	0
135 West	830.3	19	0	0	0	0
150	0	0	0	0	0	0
155 West	830.3	150	0	0	0	0
132	0	0	0	0	0	0
177	3	0	0	0	0	0
147	7	0	0	0	0	0
150 West	830.3	0	0	0	0	0
173	7	0	0	0	0	0
130 West	830.3	0	0	0	0	0
246	13	0	0	0	0	0
182	4	0	0	0	0	0
2 West	830.3	0	0	0	0	0
244	8	0	0	0	0	0
17	0	0	0	0	0	0
17 West	830.3	0	0	0	0	0
257	0	0	0	0	0	0
10 West	830.3	0	0	0	0	0
219	0	0	0	0	0	0
106	0	0	0	0	0	0
835.5	0	0	0	0	0	0
294	0	0	0	0	0	0
107	0	0	0	0	0	0
10 East	830.3	0	0	0	0	0
282	0	0	0	0	0	0
27	0	0	0	0	0	0
11 East	830.3	0	0	0	0	0
233	0	0	0	0	0	0
41	0	0	0	0	0	0
21 East	830.3	0	0	0	0	0
211	0	0	0	0	0	0
31	1	0	0	0	0	0
26 East	830.3	0	0	0	0	0
207	9	0	0	0	0	0
68	2	0	0	0	0	0
35 East	830.3	0	0	0	0	0
198	0	0	0	0	0	0
115	0	0	0	0	0	0
30 East	830.3	0	0	0	0	0
95	0	0	0	0	0	0
75 East	830.3	0	0	0	0	0
62+100	0	0	0	0	0	0

PROPOSED WORK
 DESIGNED BY
 CHECKED BY
 SURVEYED BY
 M.R.S.P. 55 Price
 SCALE 1"=10'
 MAY 1934
 STATE OF OHIO
 HOLMES COUNTY
 BRIDGE NO. HO.16-111
HONEY RUN
 S.H. 342 SEC. B-1(B)
RUN-AROUND
BRIDGE AND TEMPORARY
SITE PLAN OF PROPOSED
RUN-AROUND
Proposal No. 1

FEDERAL AID DISTRICT NO. 11
 STATE PROJECT YEAR
 OHIO
 1934
 S.H. 342 SEC. B-1(B)
HOLMES COUNTY
DRAINAGE AREA 80.50 SQ. MI.



TEST HOLE DATA
 Note: These test hole data represent the information obtained, but the State of Ohio does not guarantee the accuracy thereof.

TEST HOLE No. 1	TEST HOLE No. 2
Elev. 816.5	Elev. 816.5
Gravel & Clay	Loose sand
Elev. 822.5	Gravel & Sand
Elev. 824.0	Fine Gravel & Sand (loose)
Elev. 825.0	Fine Sand & Clay (Dry)
Elev. 826.5	Fine Sand & Clay (Dry)
Elev. 827.0	Gravel & Sand
Alluvial Material	
Elev. 831.0	

The existing bridge may be used if made to conform to the above requirements and on condition that the road be closed to traffic for not more than 24 hrs. While the moving is done, in case of which the division deputy director shall be advised of least two days in advance.

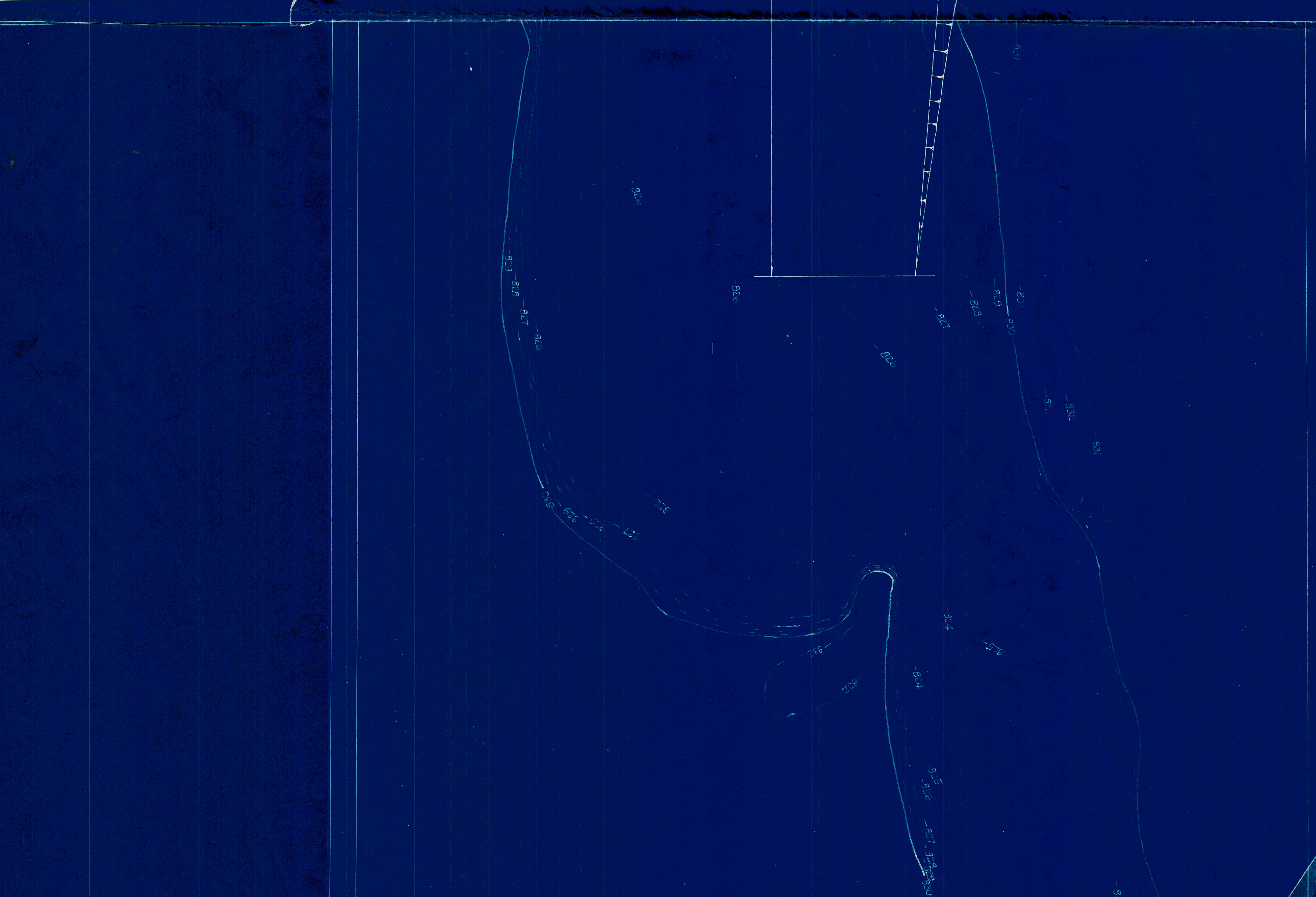
Temporary bridge shall have a roadway width of 18 ft. (17'2" will be permitted if existing bridge is used). Roadway embankment shall be 24 ft. out to out, and wearing surface 18 ft. wide. All the above shall be built to alignment and grade shown on this sheet.

Temporary bridge may be used if made to conform to the above requirements and on condition that the road be closed to traffic for not more than 24 hrs. While the moving is done, in case of which the division deputy director shall be advised of least two days in advance.

Contractor shall construct, maintain and remove approach embankment, construct and remove temporary bridge, and remove approach wearing surface. State maintenance forces will construct and maintain approach wearing surface and also maintain bridge after construction has constructed same to the satisfaction of the Engineer.

Bridge Number: HO.16-111 (1172 Roadway)
 Type: Pony Truss, 47 ft 4 in pins, 48 Out to Out
 Floor: 8 Joists, 3 Plank, 3 Plank with Bituminous wearing surface.
 Substructure: 4 Courses Sandstone and concrete Abutments built in 1908. Fair condition but not of sufficient size to carry a larger structure.

Type: Concrete Bridge on Steel Beams
 Span: 60 ft.
 Pkwy: 24 ft.
 No Skew
 Monolithic Conc. W. S.



PROFILE ON & OF PROPOSED RUN-AROUND
 SCALE 1"=10'
 MAY 1934
 STATE OF OHIO
 HOLMES COUNTY
 BRIDGE NO. HO.16-111
HONEY RUN
 S.H. 342 SEC. B-1(B)
RUN-AROUND
BRIDGE AND TEMPORARY
SITE PLAN OF PROPOSED
RUN-AROUND
Proposal No. 1

GENERAL NOTES

PROPOSED STRUCTURE is a simple span concrete bridge with steel beams 60 ft c/c, bearing plates, 24 ft roadway, no skew, 1 1/2" concrete monolithic surface course, no approach slabs.

LOADING: This bridge is designed for H-15-33 loading.

EXISTING STEEL TRUSS BRIDGE to be carefully dismantled, match marked, small parts boxed and hauled to the Holmes County storage yard at Millersburg, Ohio when no longer needed.

EXISTING ABUTMENTS: South Abutment to be removed as Channel Excavation. North Abutment to be removed as Channel and Foundation Excavation. Four courses of stone on abutments to be used as rip-rap.

EXCAVATION: All excavation above Elev. 827.0, except Channel Excavation, shall be classified as "Foundation Excavation, Dry." All excavation below Elev. 827.0, except Channel Excavation, shall be classified as "Foundation Excavation, Wet."

CONCRETE CLASSIFICATION: Concrete in superstructure shall be 1:5 1/2 mix. Concrete in substructure shall be 1:6 1/2 mix.

CHAMFER all exposed edges 3/4" unless otherwise shown.

CONSTRUCTION JOINTS: No horizontal construction joints other than those shown will be permitted. Vertical construction joints allowed only by special permission of the Engineer. All construction joints above Elev. 827.0 shall be sealed on the back with Type "B" Waterproofing, 36" wide.

CONCRETE SLAB: Special care shall be taken in placing slab concrete to obtain a smooth surface. The requirements for smoothness shall be the same as for concrete pavements Item T-70.32 of Construction Specifications except that the variations may be 33% greater than those specified in this item.

WATERPROOFING SLAB CONCRETE: Three coats of "Master Builders Metallic Waterproofing" as manufactured by the Master Builders Company or approved equivalent, shall be applied to a strip of wearing surface 2 ft. wide along each curb and to a strip of the curb face 3 1/2" high above the wearing surface, full length of bridge.

"Master Builders Metallic Waterproofing" if used shall be applied in the following manner:-

1st The surface to be treated shall be carefully cleaned and thoroughly wet down with water. Then a uniform coat composed of one (1) part Metallic Waterproofing (by volume) to three (3) parts water shall be applied to the surface by means of a brush. The mixture shall be kept stirred to keep the Waterproofing in suspension. Before the application dries, and at intervals of a few hours, the surface shall be wet down with clean water to assist in the complete oxidation of the waterproofing.

2nd Twenty-four hours after the first coat, there shall be applied a second coat consisting of the following mixture (by volume): three (3) parts cement, one (1) part sand, one (1) part waterproofing with just enough water to make a slush coat of the consistency of calcimine. After this coat has dried for 24 hours it shall be wet down with clean water and again let dry for 24 hours.

3rd Forty-eight hours after applying the second coat, apply the third or final coat in exactly the same manner as the first coat. The first and third coats shall use not less than 10 pounds of Metallic Waterproofing per 100 sq. ft. and the second coat not less than 5 pounds per 100 sq. ft. Edges of the waterproofed areas shall be straight, sharply defined lines.

POROUS BACKFILL as shown, shall extend full length of abutments. Any undisturbed earth above the 1:1 slope need not be replaced with porous backfill.

HAND-LAID RIPRAP shall be placed as shown on the Site Plan and otherwise as directed by the Engineer.

PILING shall be driven to a minimum bearing capacity of 18 tons and preferably 21 tons.

BARS marked "RE" are ones furnished to replace specimens cut from ends of reinforcing bars to be submitted for testing purposes. Bars marked "RE" may be used for testing but not to exceed 20% (by number). Two 2 ft. specimens are to be cut from as near the end of the bar as possible.

ESTIMATED QUANTITIES

Foundation Excavation, Dry	22 cu. yds.
Foundation Excavation, Wet	158 cu. yds.
Channel Excavation	1,423 cu. yds.
1:5 1/2 Concrete, Superstructure	46 cu. yds.
1:6 1/2 Concrete, Walls	828 cu. yds.
1:6 1/2 Concrete, Footings	82.5 cu. yds.
Type "B" Waterproofing, 36" Wide	31 sq. yds.
Reinforcing Steel	13,730 lbs.
Reinf. Concrete Bridge Railing (1:5 1/2 mix) Type RR-12	129 lin. ft.
Structural Steel (except field painting)	65,600 lbs.
Field Painting Structural Steel	65,600 lbs.
Keyed Contraction Joint, including 12" x 24" Folded Copper Strip	17 lin. ft.
1/2" Leaded Bronze Sliding Plates (Cast)	77 lbs.
Temporary Riprap on Bridge & Approaches	Lump Sum
First Test Pile (Timber)	Lump Sum
Creosoted Piling (to establish unit price) applying to any quantity for 0 lin. ft. to 1536 lin. ft.	1 lin. ft.
Removal of Existing Superstructure	Lump Sum
Hand-laid Riprap	17 sq. yds.
Scuppers (Special Type)	8 pieces
Porous Backfill	Lump Sum
Waterproofing (Master Builders Metallic)	287 sq. ft.

PROPOSAL No. 1

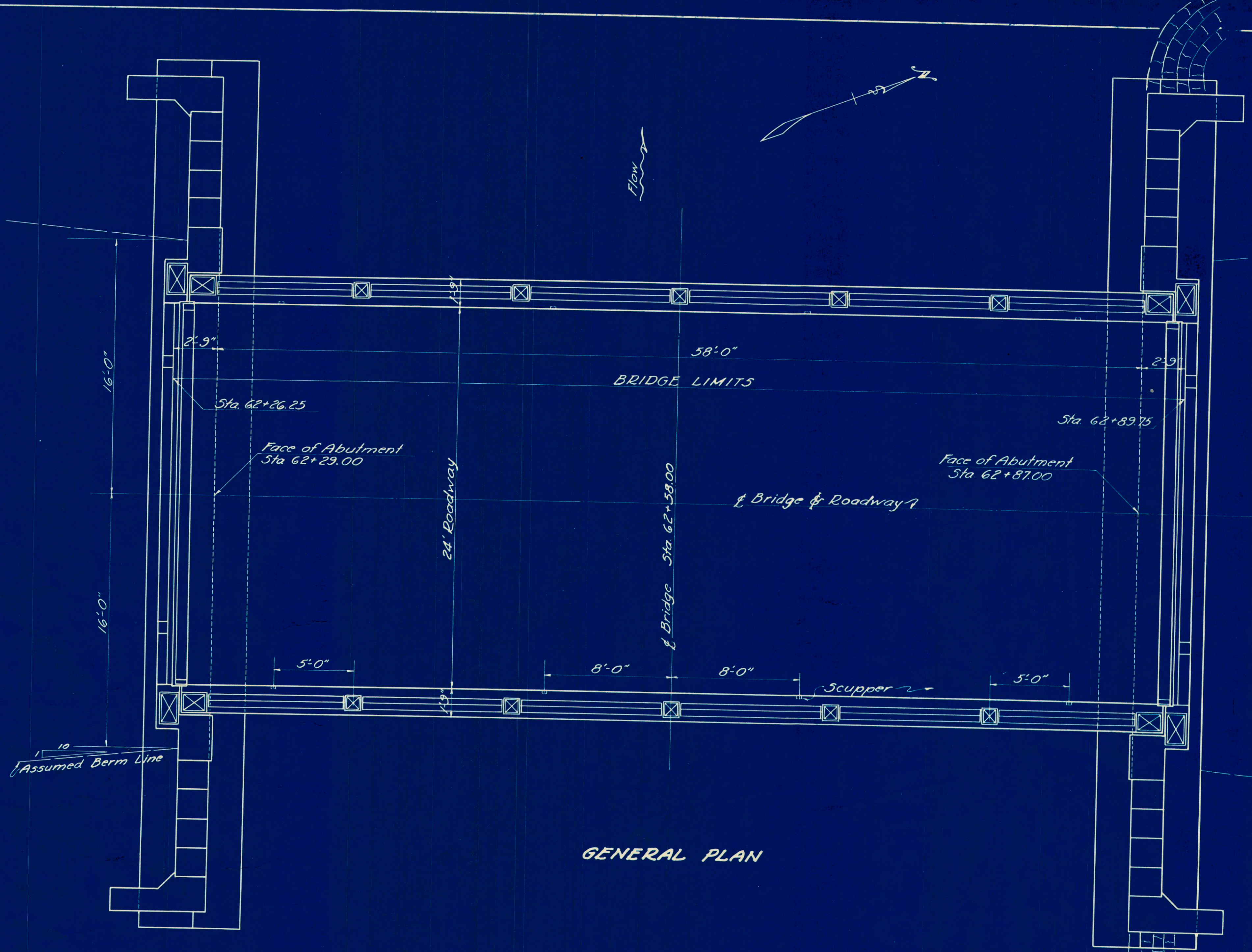
STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

**GENERAL PLAN & ELEVATION
NOTES & QUANTITIES**

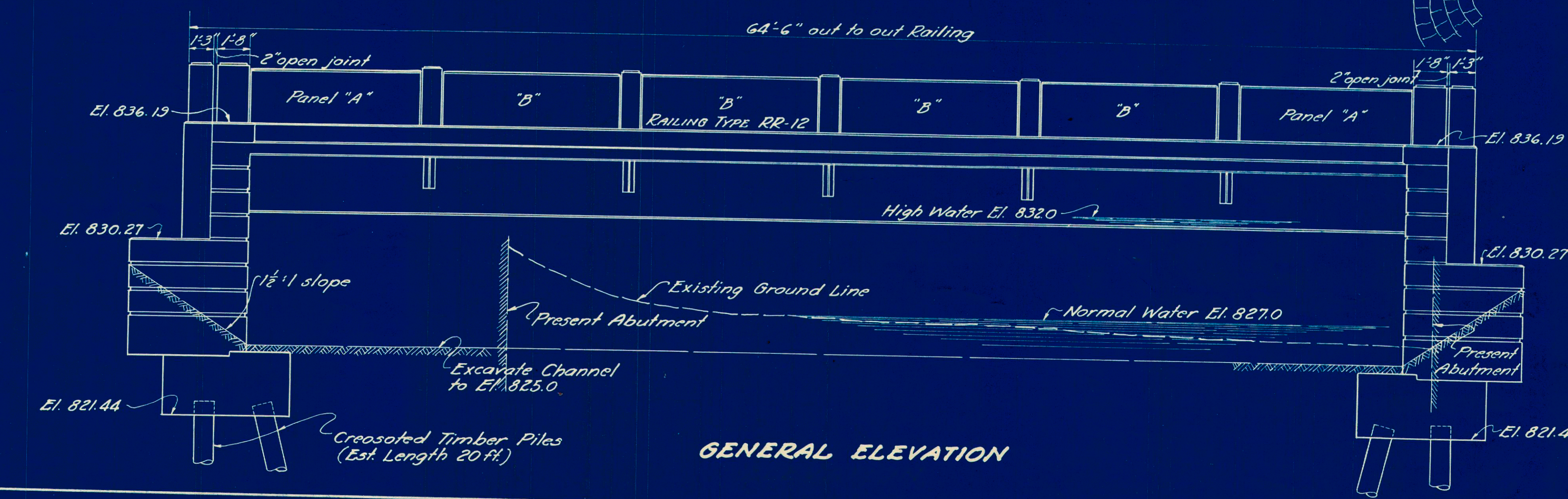
BR. NO. - HO-76-111
OVER HONEY RUN

HOLMES COUNTY S.H. 342
SEC. B-1 BRIDGE STA. 62+38.00

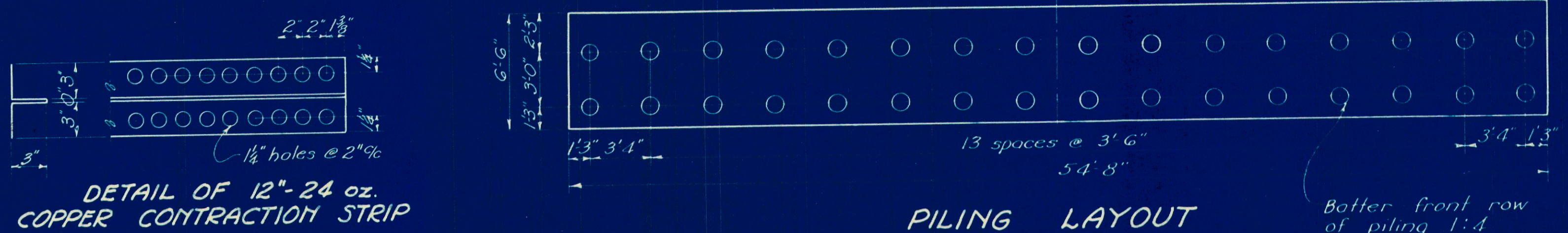
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
W.P.	W.P.	J.R.D.	R.J.	W.H.C.	1/23/34	



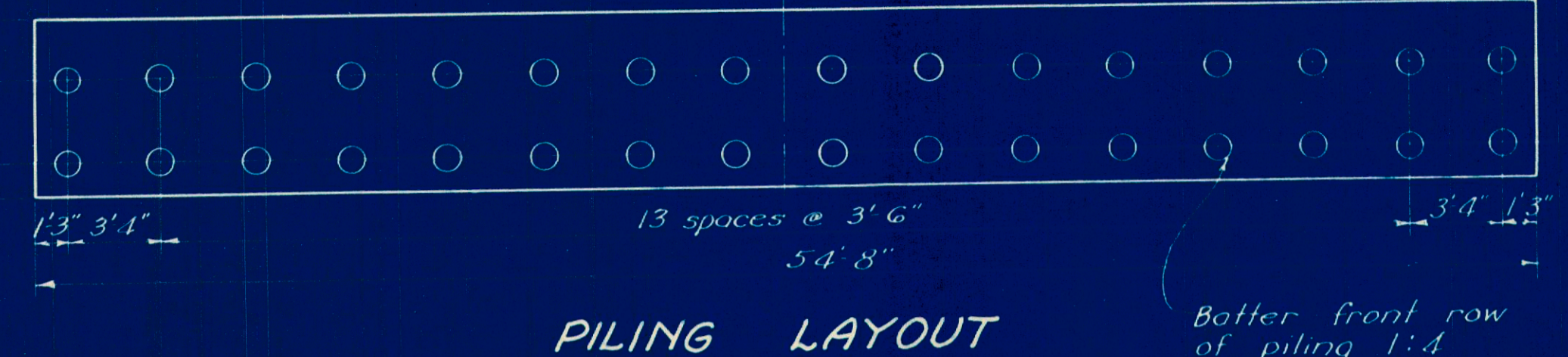
GENERAL PLAN



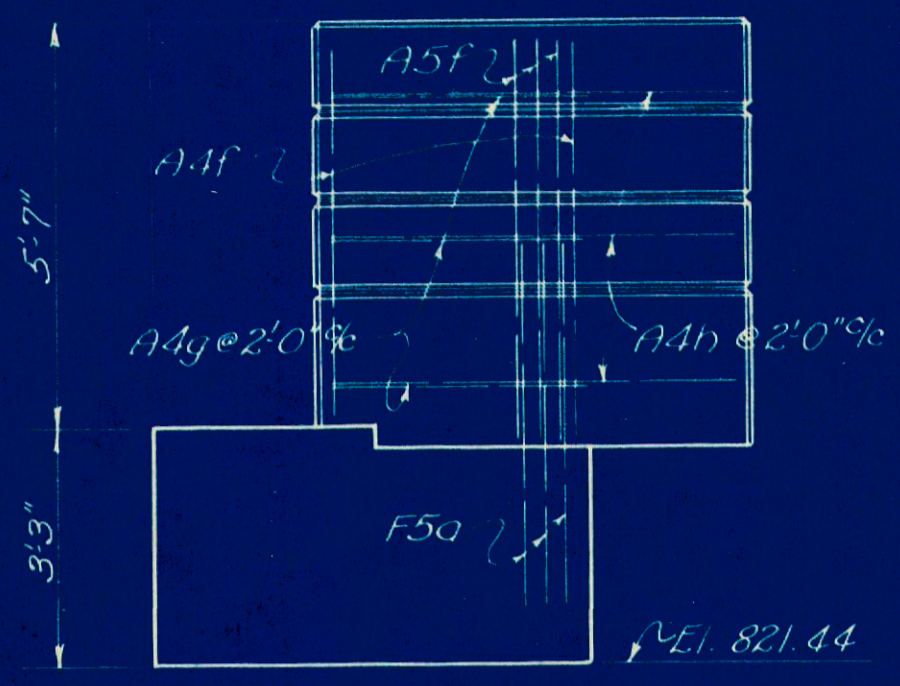
GENERAL ELEVATION



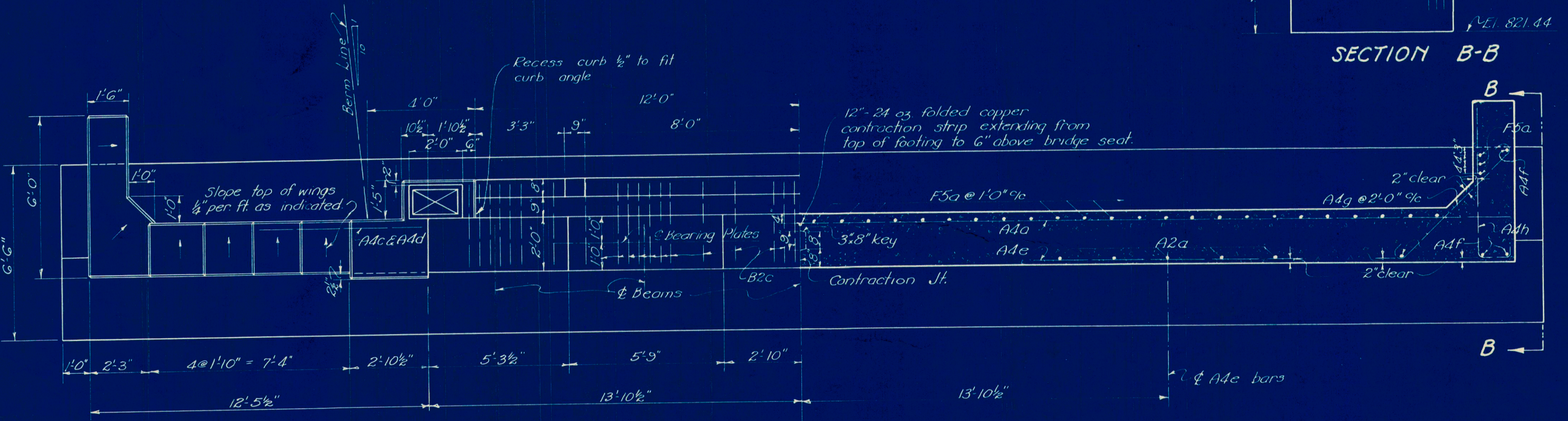
DETAIL OF 12"-24 oz. COPPER CONTRACTION STRIP



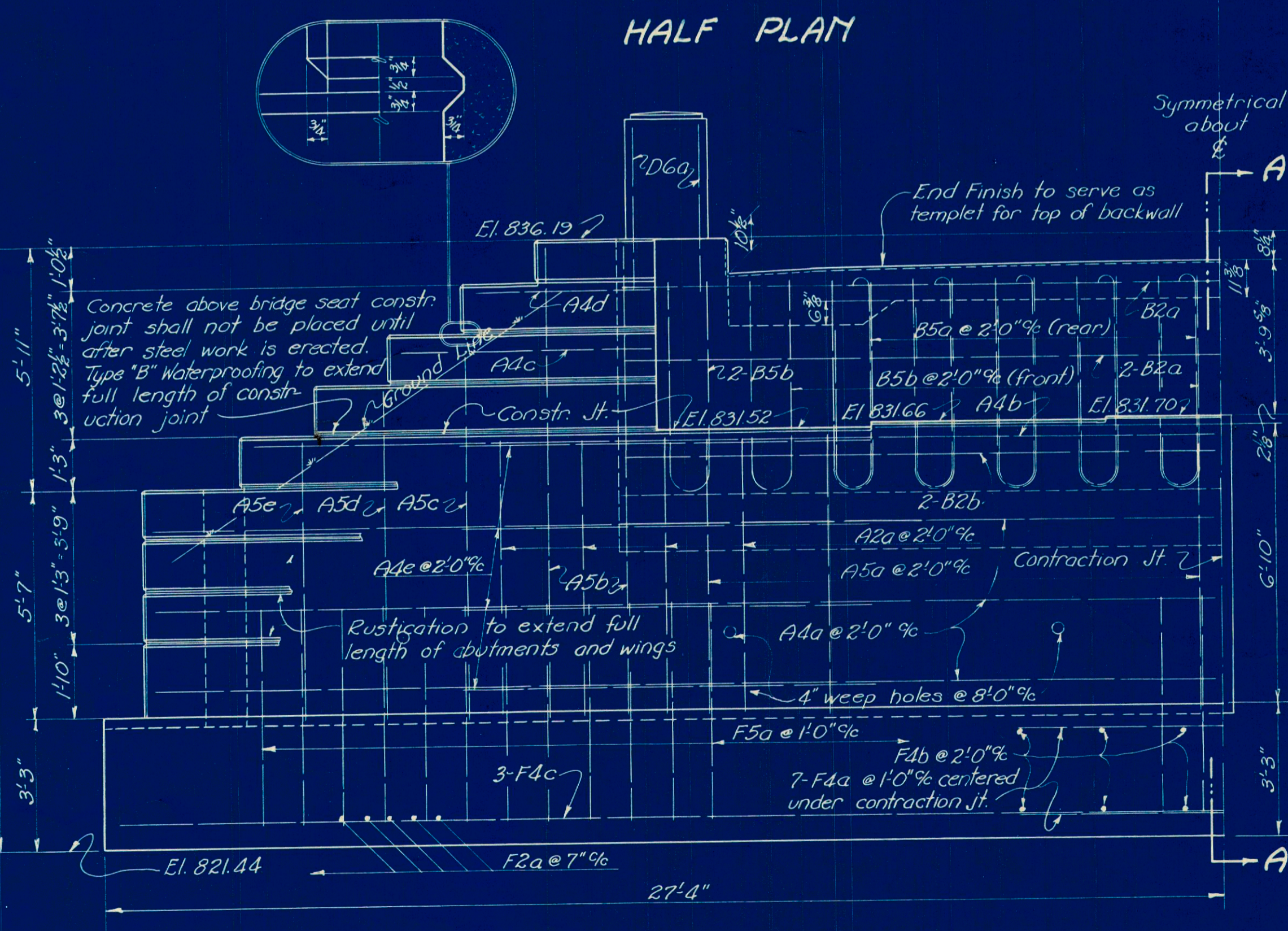
PILING LAYOUT



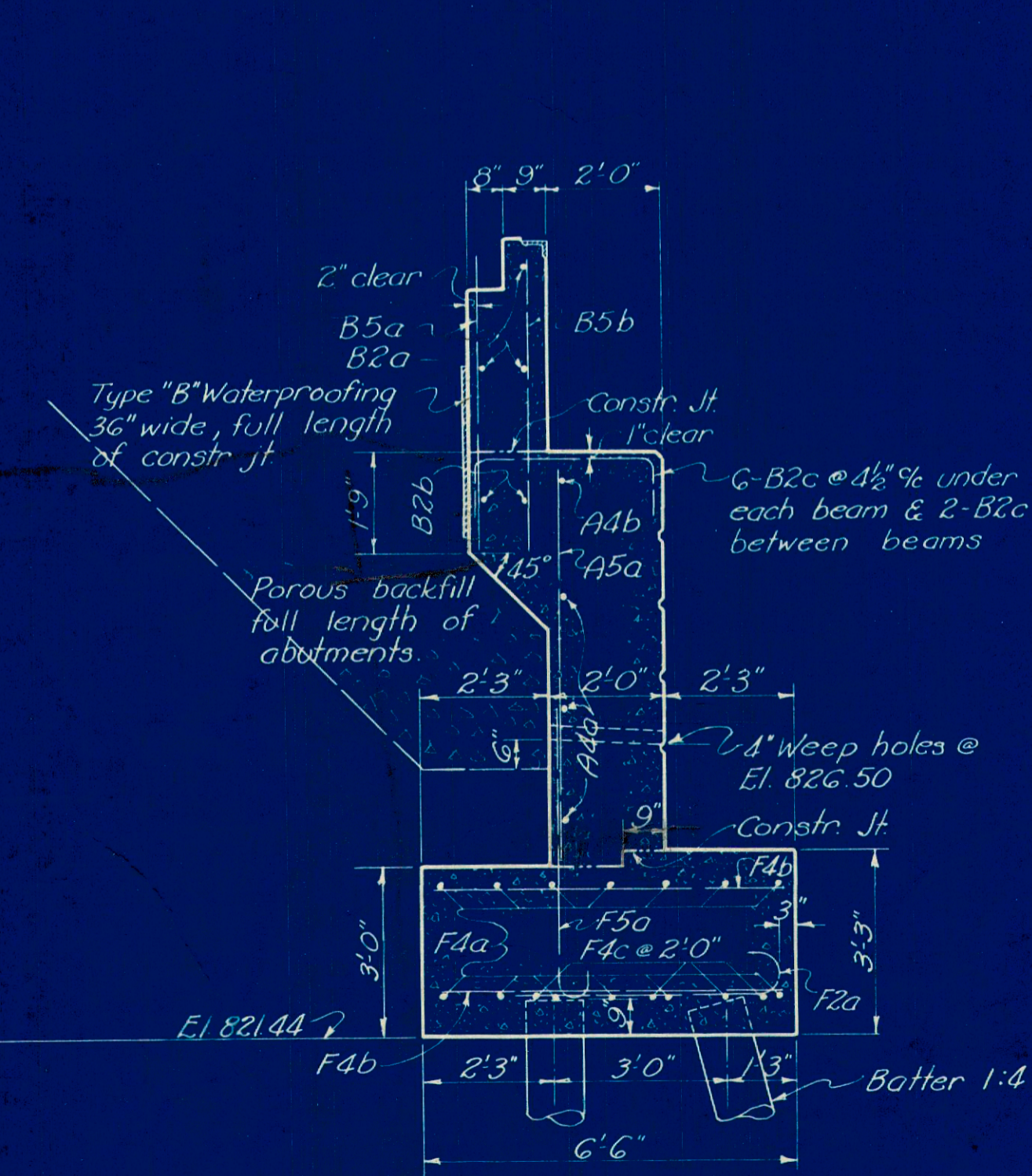
SECTION B-B



HALF WALL SECTION



HALF ABUTMENT ELEVATION



SECTION A-A

STEEL LIST

MARK	SIZE	No.	LENGTH	WEIGHT	SHAPE
ABUTMENT STEEL					
F5a	3/8"	108	6'0"	980	
F4a	3/8"	28	10'0"	290	Str.
F4b	3/8"	24	6'0"	150	Str.
F4c	3/8"	12	28'0"	360	Str.
F2a	1/2"	188	5'9"	720	
A5a	3/8"	28	6'9"	280	Str.
A5b	3/8"	8	11'6"	140	Str.
A5c	3/8"	4	9'3"	60	Str.
A5d	3/8"	4	8'0"	50	Str.
A5e	3/8"	4	6'9"	50	Str.
A5f	3/8"	12	5'6"	100	Str.
A4a	3/8"	12	25'9"	320	Str.
A4b	3/8"	4	23'6"	100	Str.
A4c	3/8"	4	6'3"	30	Str.
A4d	3/8"	4	4'3"	20	Str.
A4e	3/8"	16	10'0"	170	Str.
A4f	3/8"	16	5'3"	90	Str.
A4g	3/8"	12	7'3"	90	Str.
A4h	3/8"	12	7'0"	90	Str.
A2a	1/2"	20	6'9"	90	Str.
B5a	3/8"	20	11'0"	330	
B5b	3/8"	32	11'0"	530	
B2a	1/2"	6	29'0"	120	Str.
B2b	1/2"	8	14'0"	80	Str.
B2c	1/2"	76	5'0"	250	
SUPERSTRUCTURE STEEL					
S4a	3/8"	61	29'0"	1850	
S4b	3/8"	60	27'0"	1690	Str.
S2a	1/2"	60	26'9"	1070	Str.
S2b	1/2"	48	22'3"	710	Str.
C5a	3/8"	54	23'3"	1890	Str.
C2a	1/2"	64	5'0"	210	
C2b	1/2"	64	2'3"	100	
D6a	3/8"	16	8'0"	260	
D5a	3/8"	24	7'3"	260	
D4a	3/8"	20	7'6"	160	
R5a	3/8"	24	10'3"		
R4a	3/8"	24	8'6"		Str.
R1a	3/8"	24	8'6"		Str.
R1b	3/8"	108	2'6"		Str.
REPLACEMENT STEEL					
REG	3/8"	1	8'0"		Str.
RE5	3/8"	1	6'6"		Str.
RE4	3/8"	1	6'0"		Str.
RE2	1/2"	2	4'0"		Str.
RE1	3/8"	2	4'0"		Str.
				40	
TOTAL STEEL				13,730#	

Note: Length of bars measured along C of bar. All dimensions are to outside unless marked % (out to out). All radii are to inside of bar.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

ABUTMENT DETAILS & STEEL LIST
BRIDGE NO. HO-76-111
OVER HONEY RUN

HOLMES COUNTY SECTION B-1 (BR.) S.H. 342 STA. 62+58.00

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
PER	PER	PER	PER	PER	11/28/34	

PROPOSAL No 1

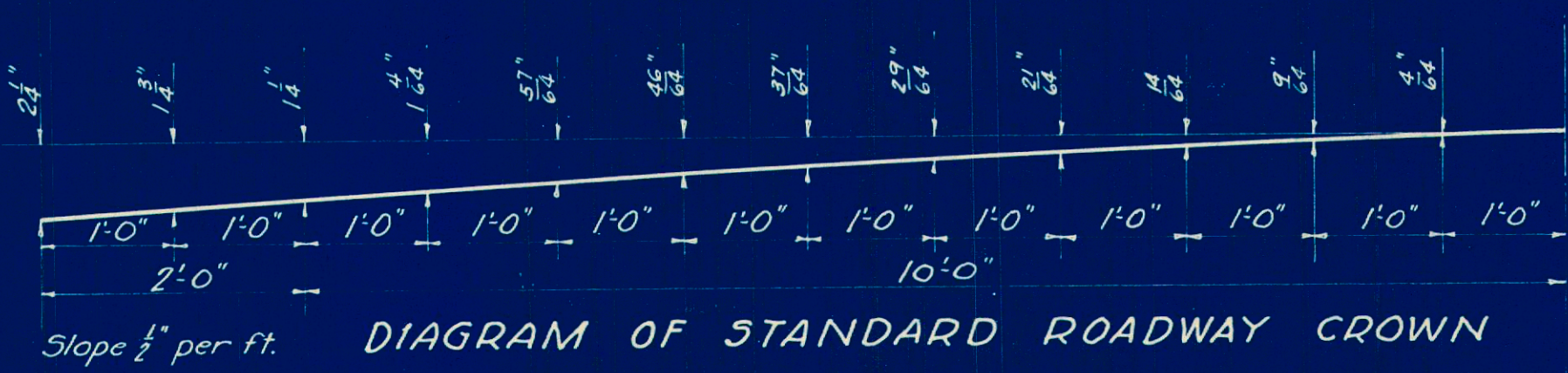
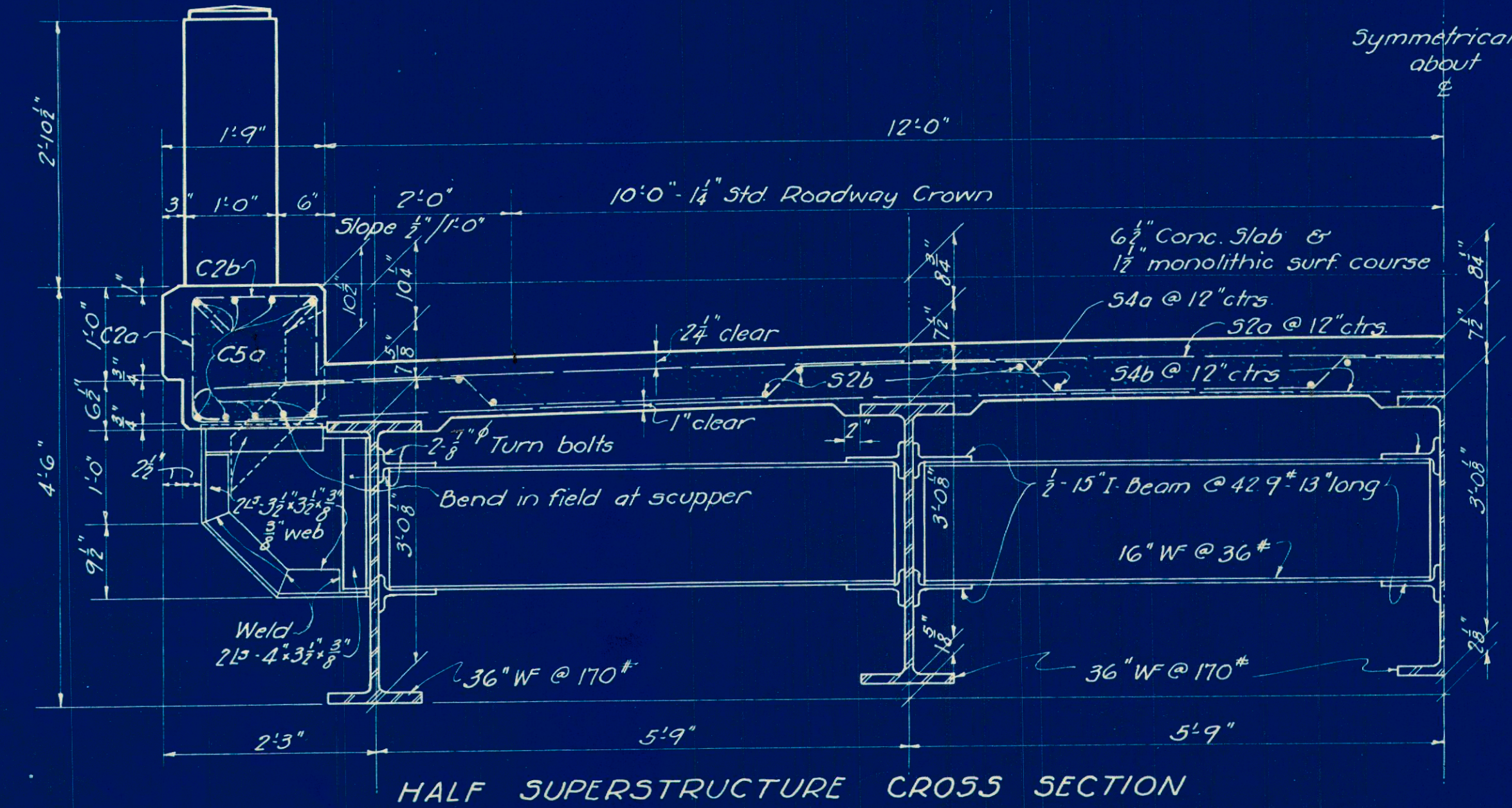
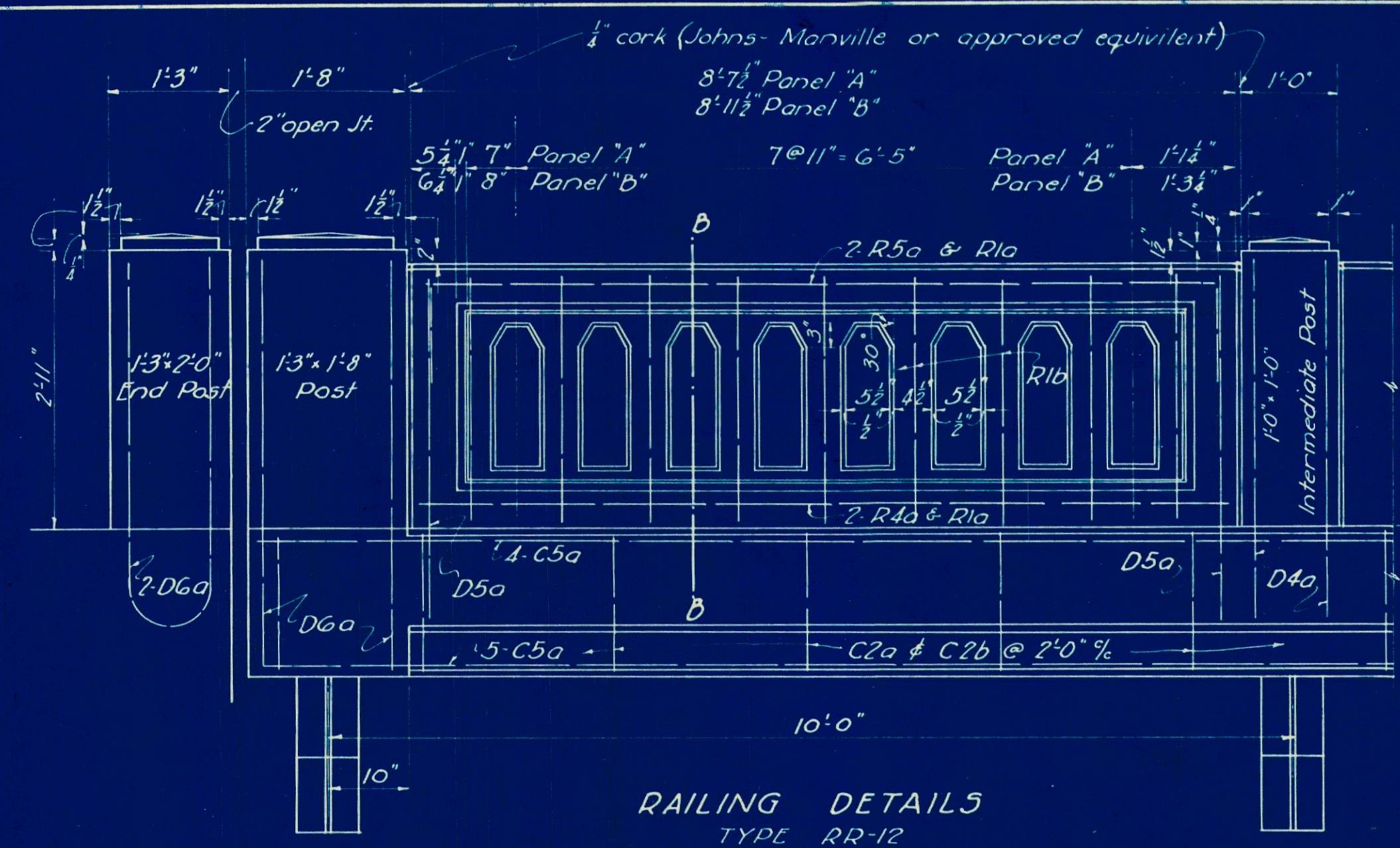


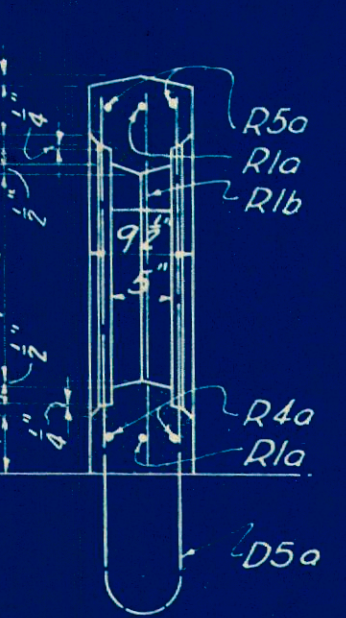
DIAGRAM OF STANDARD ROADWAY CROWN



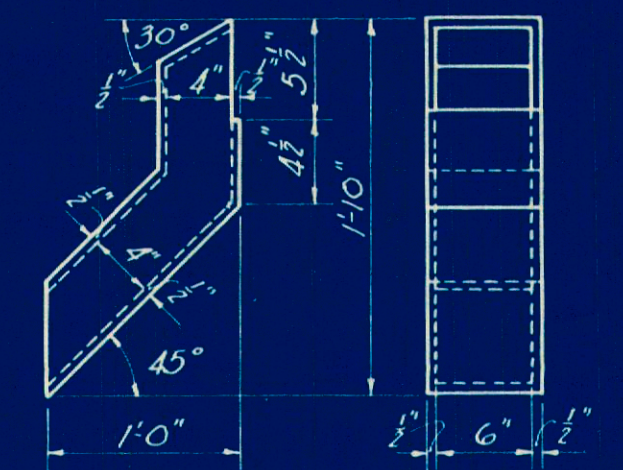
HALF SUPERSTRUCTURE CROSS SECTION



RAILING DETAILS
TYPE RR-12



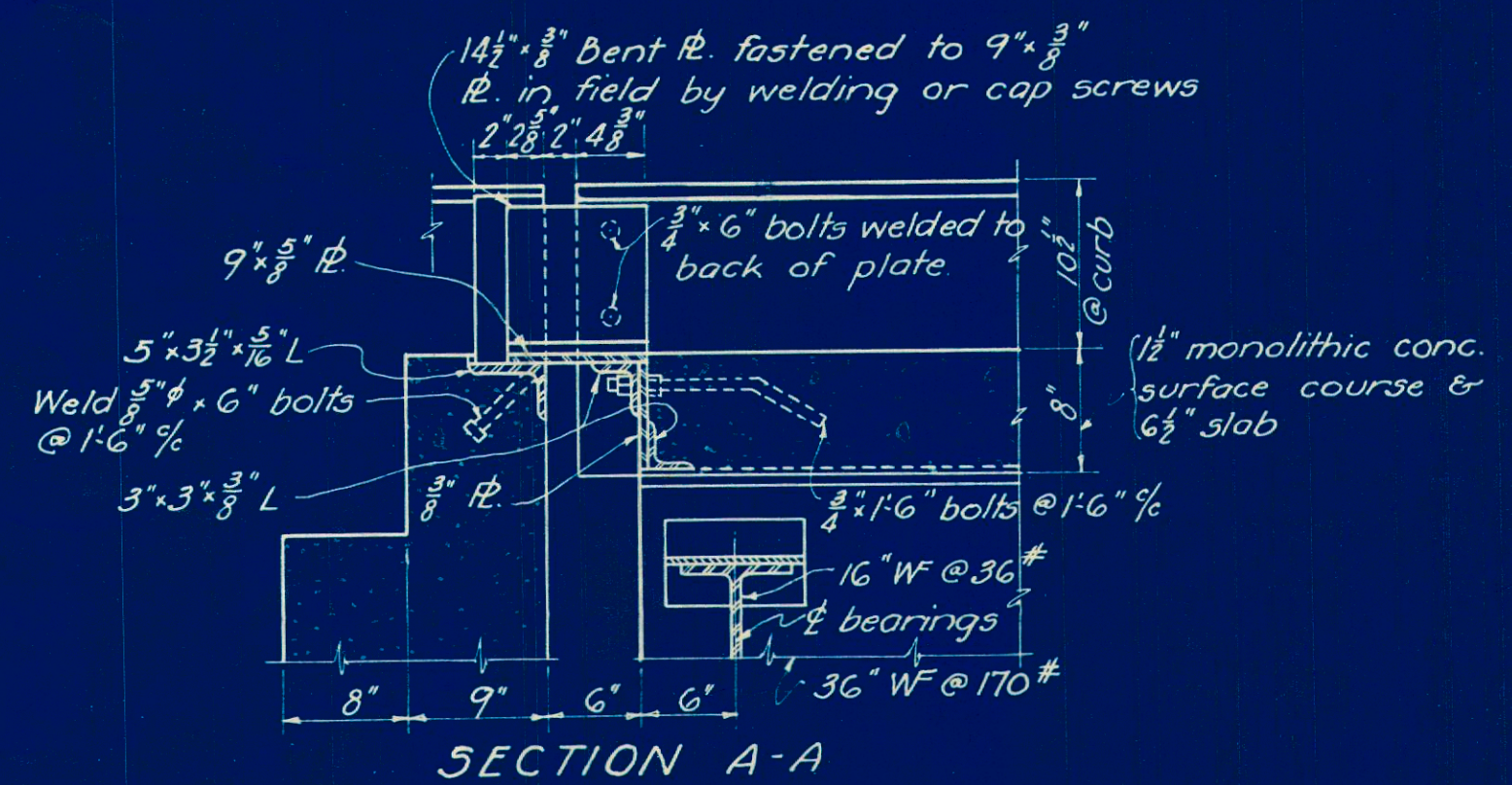
SEC. B-B



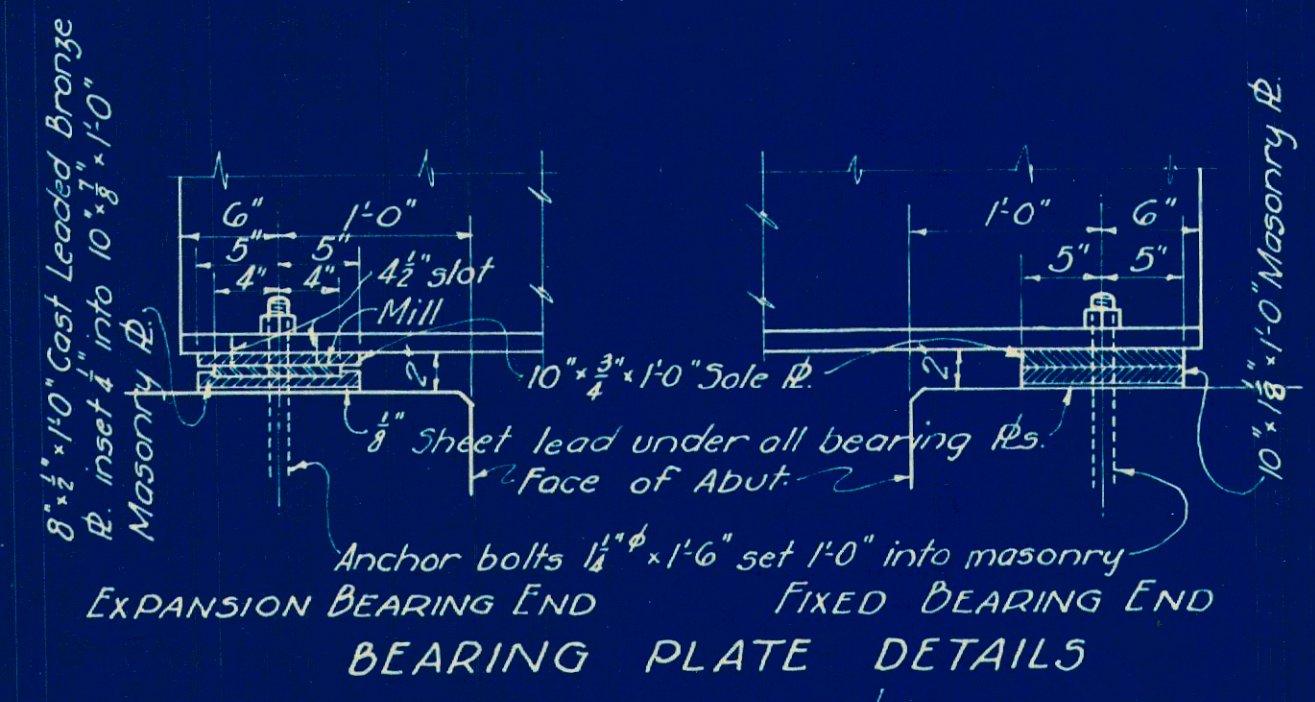
CAST IRON SCUPPERS
8-REQD.

SUPERSTRUCTURE NOTES

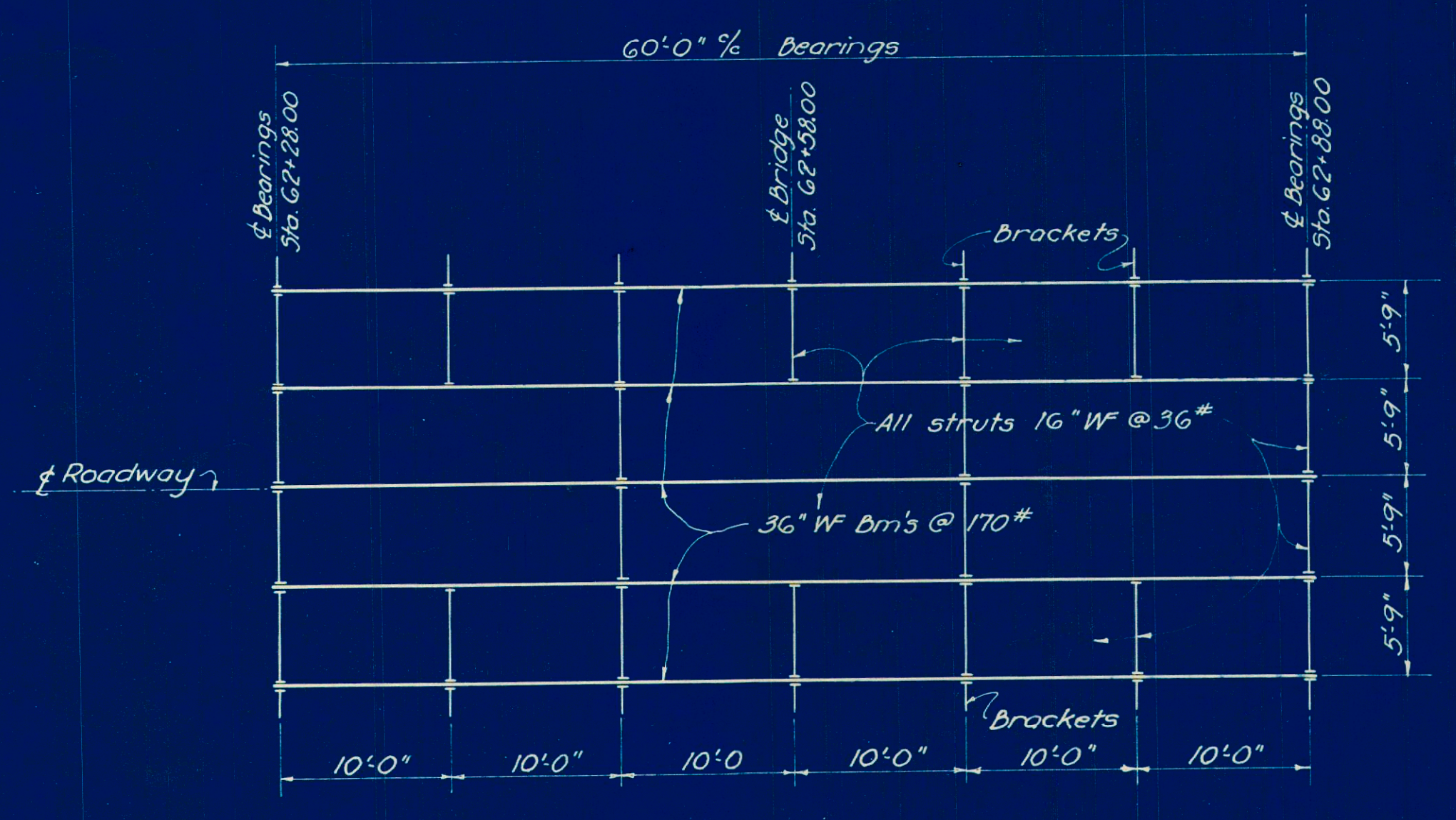
- RIVETS shall be 3/4" "Dardet Rivet Bolts" may be substituted for field rivets.
 - FIELD HOLES shall be reamed.
 - ANCHOR BOLT HOLES shall be drilled after masonry bed plates are located. Care shall be taken in placing reinforcing bars under masonry plates so that they will not be cut when the holes are drilled.
 - STRUCTURAL STEEL ITEM includes 1/8" sheet lead and anchor bolts in addition to structural steel proper.
 - CAMBER The 36" WF Beams shall have a minimum camber of 2 1/4" under no load; the cambering to be done at the rolling mill either while hot or in the straightening gag after cooling.
- For Additional Notes See Sheet No. 8.



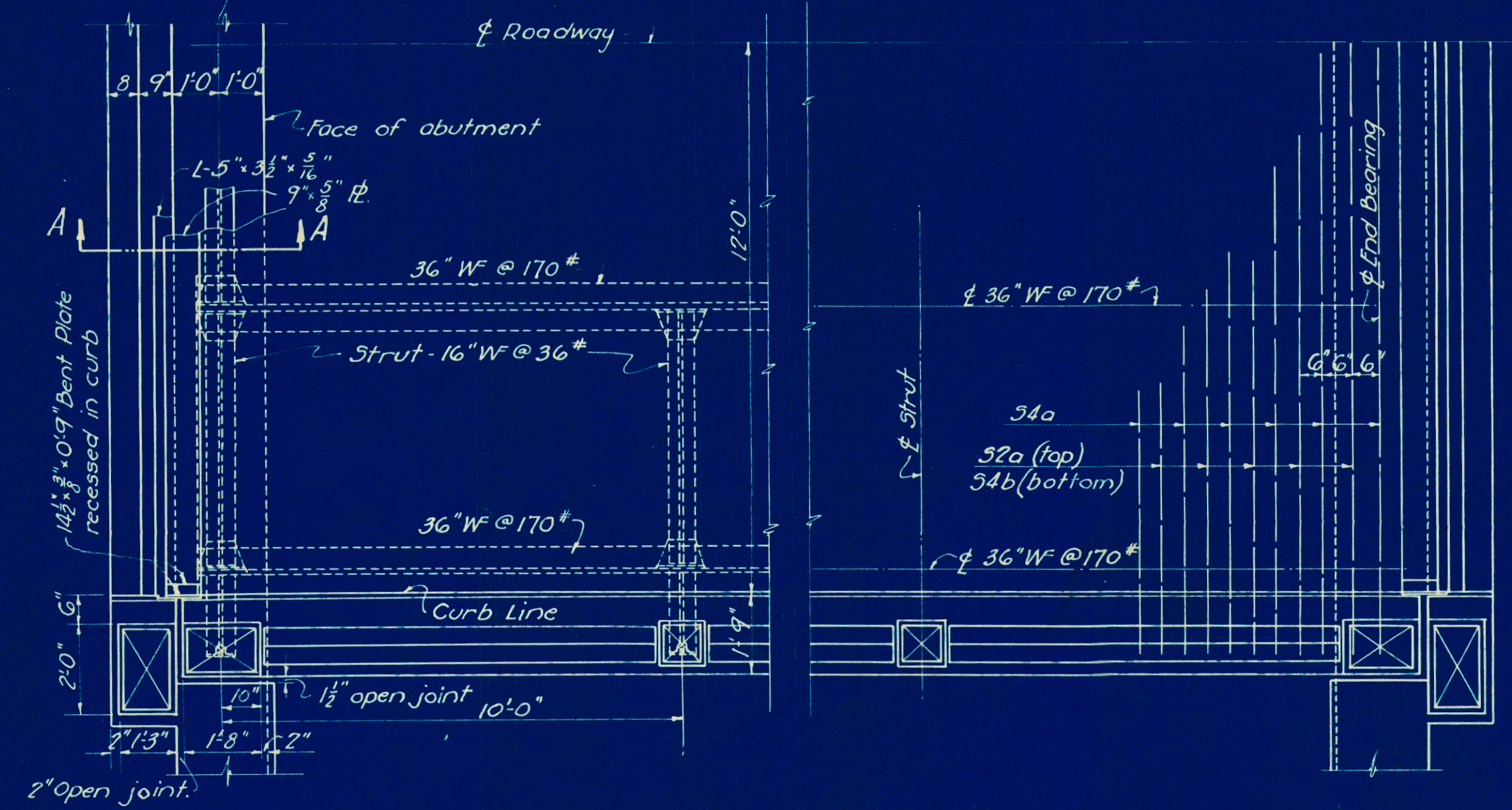
SECTION A-A



EXPANSION BEARING END
FIXED BEARING END
BEARING PLATE DETAILS



STRUCTURAL LAYOUT



DETAIL PLAN OF END POSTS & SLAB STEEL

PROPOSAL NO. 1

STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES			
SUPERSTRUCTURE DETAILS			
BRIDGE No. HO-76-111 OVER HONEY RUN			
HOLMES COUNTY		S.H. 342	
SEC. B-1 (BR)		Sta. 62+58.00	
DESIGNED	DRAWN	CHECKED	REVIEWED
PER	PER	RJZ	WAC
			1/28/24

STANDARD BARRICADE

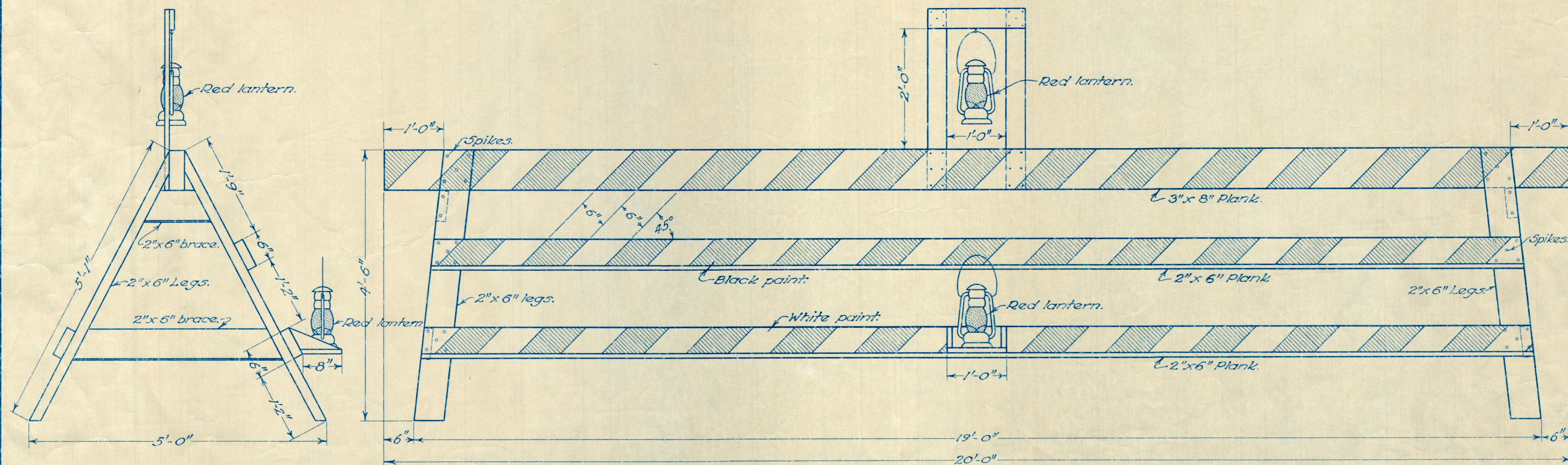
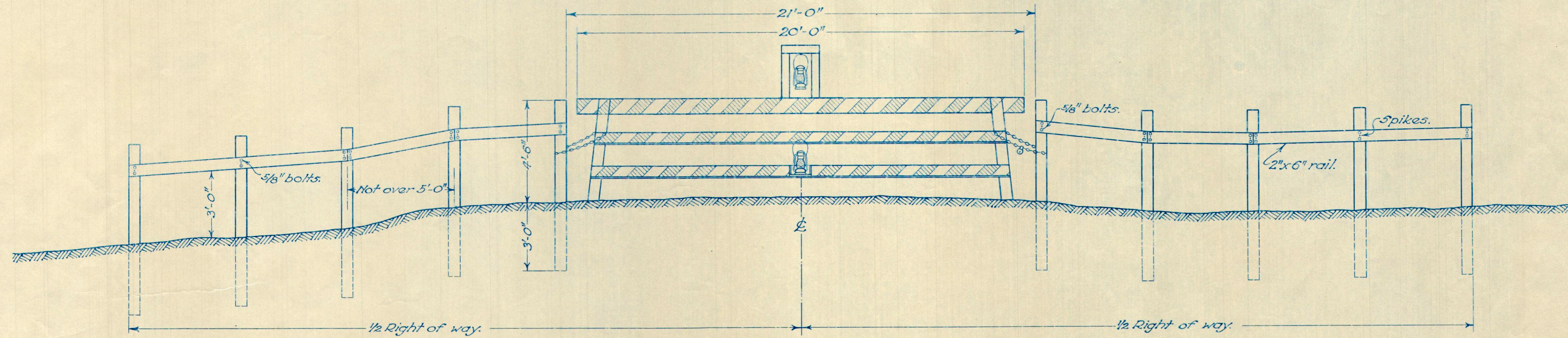
NOTES

GATE:
Movable barricade or gate to be constructed according to the details shown herewith and shall be painted with alternate 6" black and white stripes on a 45° angle.
Gate to be well spiked, using spikes long enough to clinch.

POSTS:
Posts to have a minimum diameter of 6" on top.

RAILS:
Rails to be bolted to posts with two 5/8" bolts and threads battered after nuts are set.

CHAIN:
Gate shall be chained at one end by permanently stapling to the adjacent post a loop which has been welded prior to installation. At other end, gate shall be fastened to adjacent post with chain and padlock.
Chain to be welded link 5/16" stock.



DETAIL OF GATE

BUREAU OF CONSTRUCTION
OHIO
DEPARTMENT OF HIGHWAYS

**STANDARD
BARRICADE**

STANDARD
CONSTRUCTION DRAWING
G-7.07

APPROVED *E.H.* CHIEF ENGR. CONST.

OCT. 1933