

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	SU-1509 (1)	

OBERLIN ROAD VIADUCT  
STARK COUNTY ROAD 374

SEEDING  
END SQ.  
WIDTH YDS.

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	SU-1509(1)

8

57

**OBERLIN ROAD VIADUCT**  
**STARK COUNTY ROAD 374**

STATION	BORROW		END AREA		VOLUME	
	E.A.	C.Y.	CUT	FILL	CUT	FILL
126	147	76	225	30	192	
667	263	108	35	48	304	
114	137	41	1620	22	133	
606	247	129	25	39	20	
104	130	97	1125	20	930	
533	223	148	16	37	13	
88	111	63	670	20	453	
911	206	134	12	47	51	
76	0	166	0	235	0	
232	0	169	0	239	0	

Begin Work Sta 184+45  
Begin Earthwork Sta 184+45

CROSS SECTIONS Sta. 185+00 - 187+50



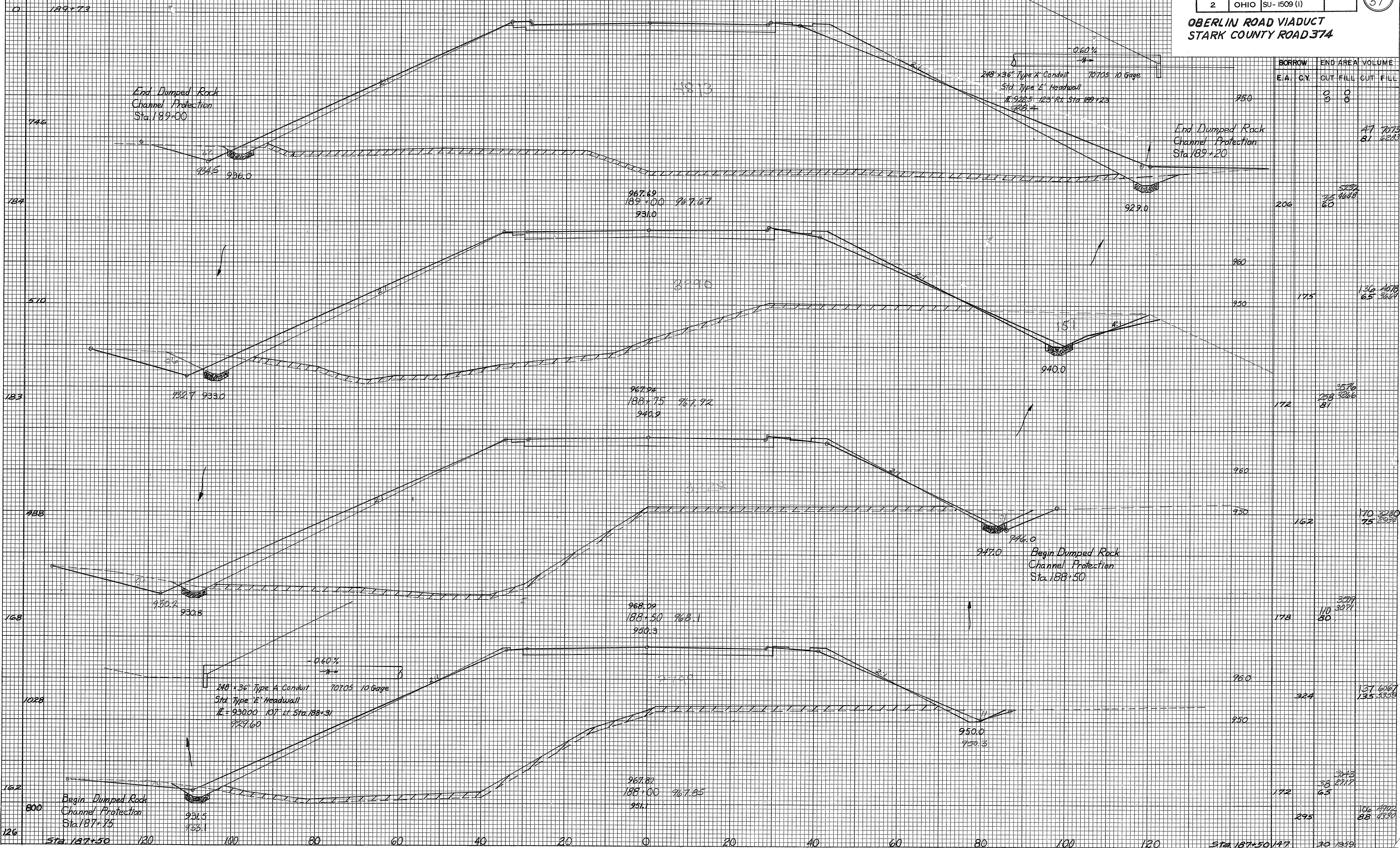
SEEDING  
END SG.  
WIDTH YDS.

Suspend Earthwork 189+73

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	SU-1509 (1)

9  
57

OBERLIN ROAD VIADUCT  
STARK COUNTY ROAD 374



CROSS SECTIONS - Sta 188+00 - 189+00

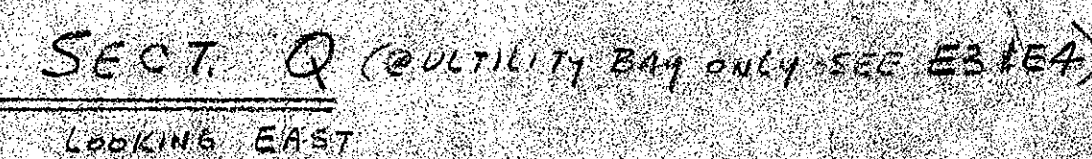
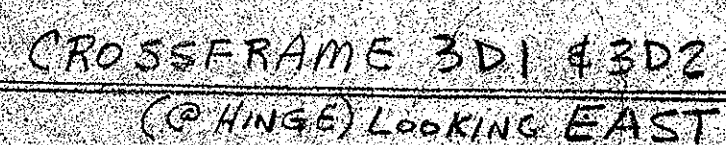
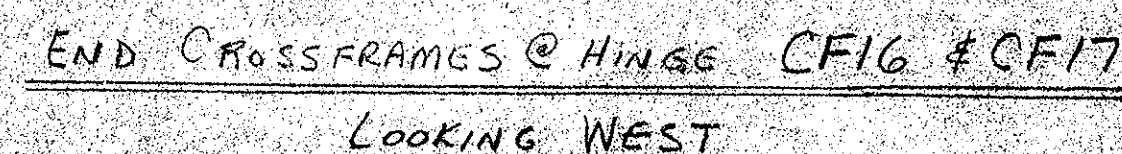
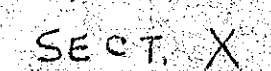
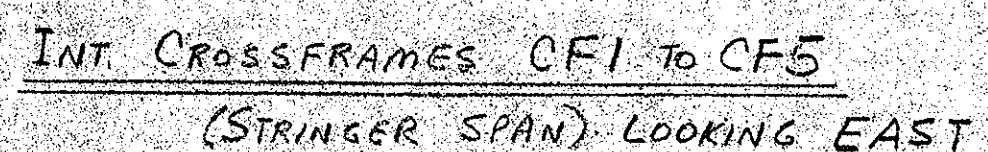
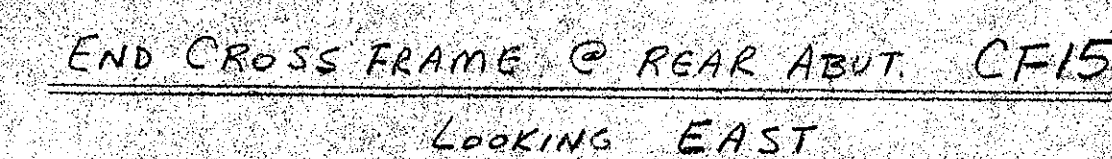
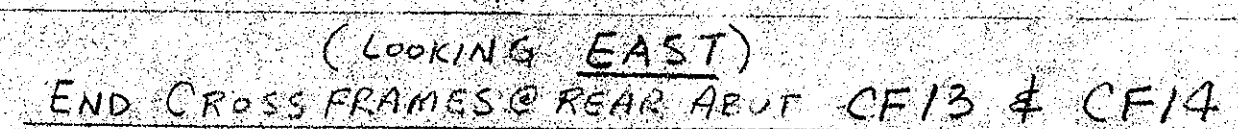
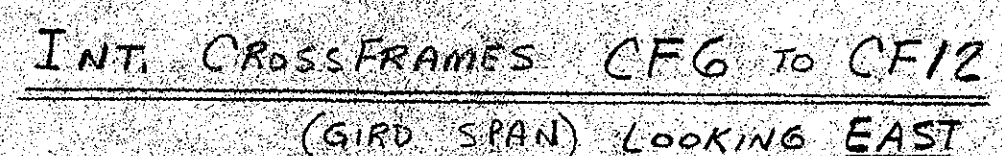


Est. No.	Date	Ref. No. 1	Ref. No. 2	Ref. No. 3	Ref. No. 4	Ref. No. 5	Ref. No. 6	Ref. No. 7	Ref. No. 8	Ref. No. 9	Ref. No. 10	Ref. No. 11	Ref. No. 12	Ref. No. 13	Ref. No. 14	Ref. No. 15	Ref. No. 16	Ref. No. 17	Ref. No. 18	Ref. No. 19	Ref. No. 20	Ref. No. 21	Ref. No. 22	Ref. No. 23	Ref. No. 24	Ref. No. 25	Ref. No. 26	Ref. No. 27	Ref. No. 28	Ref. No. 29	Ref. No. 30	Ref. No. 31	Ref. No. 32
1	1-5-68	13,000.00			2394				6 Hrs	600				1.00																			
2	1-18-68				2314																												
3	2-9-68				10486					1100						331														54	36		
4	2-23-68				9107																												
5	3-11-68	2,000.00			3774					135																							
6	3-21-68																																
7	4-5-68																																
8	4-19-68																																
9	5-3-68																																
10	5-17-68																																
11	6-7-68																																
12	6-21-68																																
13	7-3-68																																
14	8-9-68																																
15	10-7-68																																
16	12-17-68																																
17	11-12-68																																
18	12-06-68																																
19	5-14-69	20,000.00			28625				6.00	1835				1.00	331											248				91	185	6600	2100.00

[illegible][illegible][illegible]

Est. No.	Date	Ref. No. 105	Ref. No. 106	Ref. No. 107	Ref. No. 108	Ref. No. 109	Ref. No. 110	Ref. No. 111	Ref. No. 112	Ref. No. 113	Ref. No. 114	Ref. No. 115	Ref. No. 116	Ref. No. 117	Ref. No. 118	Ref. No. 119	Ref. No. 120	Ref. No. 121	Ref. No. 122	Ref. No. 123	Ref. No. 124	Ref. No. 125	Ref. No. 126	Ref. No. 127	Ref. No. 128	Ref. No. 129	Ref. No. 130	Ref. No. 131	Ref. No. 132	Ref. No. 133	Ref. No. 134	Total Est.		
1	1-5-68																															26430.00	1	
2	1-18-68																															5005.10	2	
3	2-3-68			35.74																												41874.62	3	
4	2-23-68		126.80	135.54																												55226.35	4	
5	3-11-68		68.38	81.34																												36212.36	5	
6	3-21-68		55.72	283.63																												48371.57	6	
7	4-5-68			103.50																												100.00	7	
8	4-19-68	31.60		114.48																500.00												100.00	8	
9	5-3-68	32.50	68.48	44.24																												4000.00	9	
10	5-17-68			150.83																												100.00	10	
11	6-3-68																															100.00	11	
12	6-21-68		51.34	30.89																												25.00	12	
13	7-8-68																															100.00	13	
14	8-3-68			- 1.00						23.00			63.00	34.25						73.00												100.00	14	
15	10-7-68						888.626																										100.00	15
16	10-17-68				354.90		371.41																										250.00	16
17	11-12-68						218.785													20.00													30.00	17
18	12-4-68	10.50			355.02	33.00	478.872	0.0146110		14.00	36.00		63.00	34.25	116.00	84.00	20.00	73.00	462.00	500.00												30.00	18	
19	7-17-69	203.20	476.44	1020.00	703.33	33.00	478.872			37.00	36.00		63.00	34.25	116.00	84.00	20.00	73.00	462.00	500.00												100.00	19	
20	5-14-69																																100.00	20
21	6-4-69																																100.00	21
22	7-2-69				135.11																												100.00	22
23	8-6-69																																100.00	23
24	9-17-69																																250.00	24
25	10-7-69																																100.00	25
26	10-17-69																																100.00	26
27	11-12-69																																100.00	27
28	12-4-69																																100.00	28
29	1-18-70																																100.00	29
30	2-3-70																																100.00	30
31	2-23-70																																100.00	31
32	3-11-70																																100.00	32
33	3-21-70																																100.00	33
34	4-5-70																	</																





\*-ERECTOR NOTE  
MAKE THIS WELD BEFORE  
ERECTING EF3 OR EF4

NOTE:  
FOR LOCATION SEE E2 TO E5.

BUREAU OF BRIDGES	
<i>C. H. Adair</i>	Engineer in Charge
APPROVED	<i>9/12/68 RDM</i>
APPROVED AS NOTED	
NOT APPROVED	

for general conformance with design plans and specifications only. Does not relieve contractor from responsibility for errors or omissions.

CROSSFRAME ELEVATIONS

STATE OF OHIO DEPARTMENT OF HIGHWAYS  
 BRIDGE-OBERLIN RD. VIADUCT RELOCATION  
 PROJ. NO. 816 (67) STARK COUNTY ROAD 374  
 CONTRACTOR: GREAT LAKES CONSTRUCTION CO.

NASHVILLE BRIDGE COMPANY	
NASHVILLE, TENN.	
NASHVILLE PLANT	BESSEMER PLANT
DESIGNED BY	OR NOTED
DRAWN BY <i>LT</i>	DATE <i>8-13-68</i>
CHECKED BY <i>W. H. DATE</i>	DATE <i>9/10/68</i>
FIELD COM. BY <i>30 MB TWELVE</i>	
SHEET PAIR	DATE PRINTED
FIELD	
BILL MATERIAL NO.	
CONT. <i>C6631</i>	DRAWING NO.
<i>S. D. 6730-36B</i>	<i>EG</i>



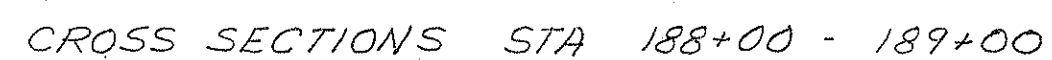








BORROW		END AREA		VOLUME	
S.A	C.Y	CUT	FILL	CUT	FILL
		0	0		
		0	0		
				AS BLT 50	AS BLT 6833
				81 PROP	6283 PROP
206		AS BLT 37	AS BLT 1833		
		60 PROP	4648 PROP		
	175			AS BLT 137	AS BLT 3743
				65 PROP	3664 PROP
		AS BLT 258	AS BLT 3279		
172		81 PROP	3266 PROP		
	162			AS BLT 177	AS BLT 2992
				75 PROP	2934 PROP
		AS BLT 125	AS BLT 316A		
178		80 PROP	3071 PROP		
	324			AS BLT 160	AS BLT 5450
				135 PROP	5359 PROP
		AS BLT 48	AS BLT 2722		
172		65 PROP	2717 PROP	AS BLT 107	AS BLT 4385
	295			88 PROP	4330 PROP
		30	1959		

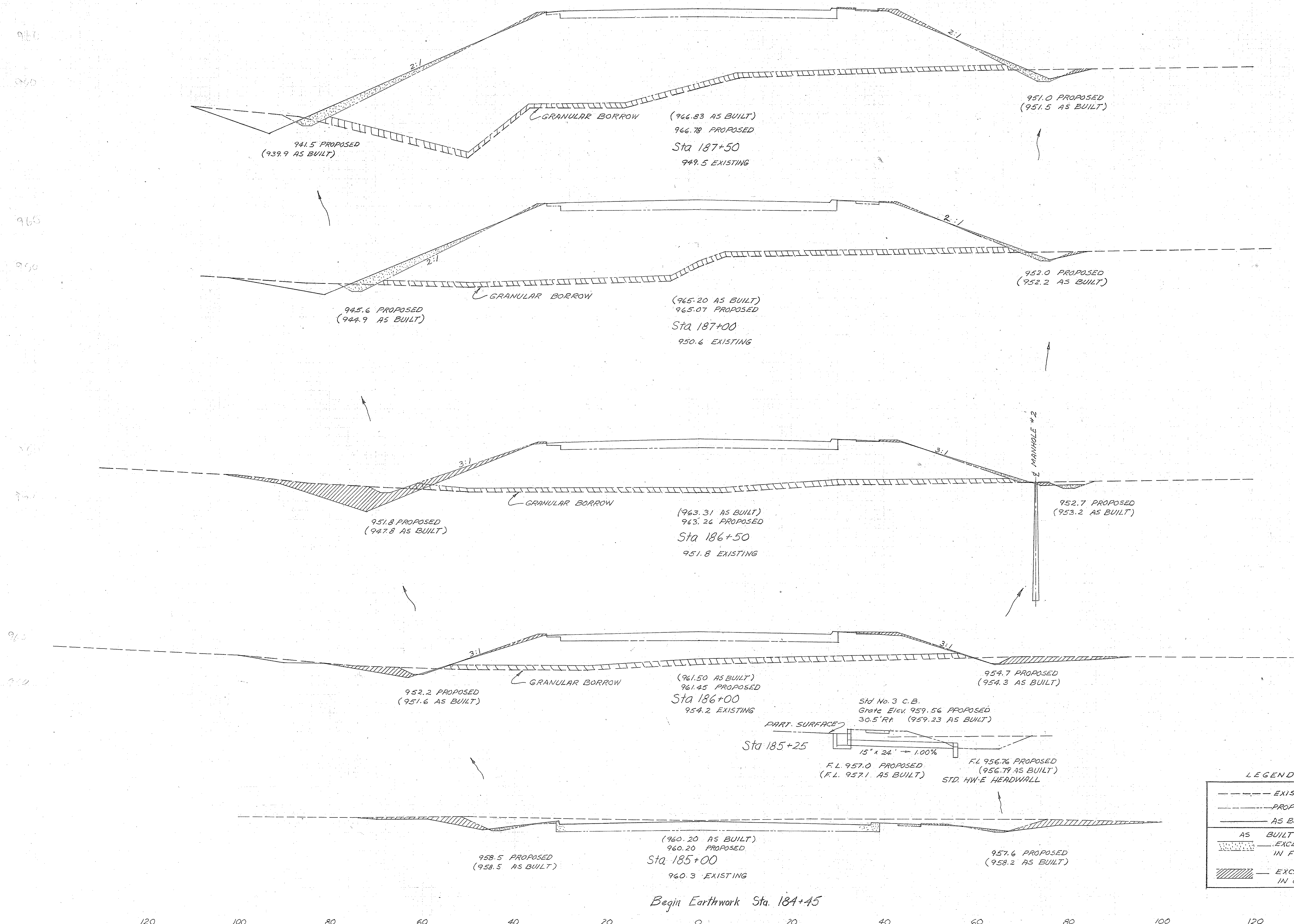




R. Farnight  
S. G. Gandy  
S. G. Gandy  
S. G. Gandy

PROJECT SU-1509 (1)  
OBERLIN ROAD VIADUCT  
STARK COUNTY ROAD 374

BORROW		END AREA		VOLUME	
E.A.	C.Y.	CUT	FILL	CUT	FILL
960					
	146	AS.BLT. 67	AS.BLT. 2014		
950		30 PROP.	1959 PROP.		
960	263			AS.BLT. 105	AS.BLT. 3123
950		46 PROP.	1361 PROP.	48 PROP.	3048 PROP.
	137	AS.BLT. 22	AS.BLT. 1333		
960	247			AS.BLT. 148	AS.BLT. 2063
950		20 PROP.	930 PROP.	39 PROP.	2095 PROP.
	130	AS.BLT. 114	AS.BLT. 867		
960	223			AS.BLT. 172	AS.BLT. 1198
950		72 PROP.	427 PROP.	37 PROP.	1317 PROP.
	111	AS.BLT. 20	AS.BLT. 493		
960	206			AS.BLT. 448	AS.BLT. 791
	0	AS.BLT. 235	170 PROP.	472 PROP.	913 PROP.
	0			AS.BLT. 173	0
	0			239 PROP.	0
	0				



CROSS SECTIONS STA 185+00 - 187+50

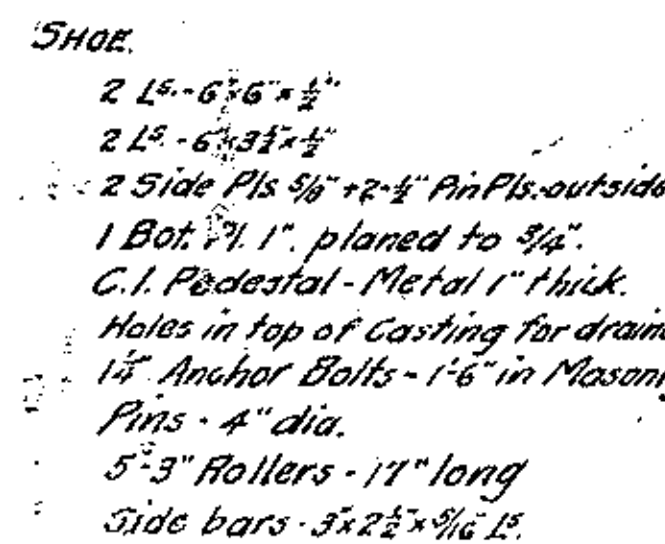








TOP CHORD BRACING:

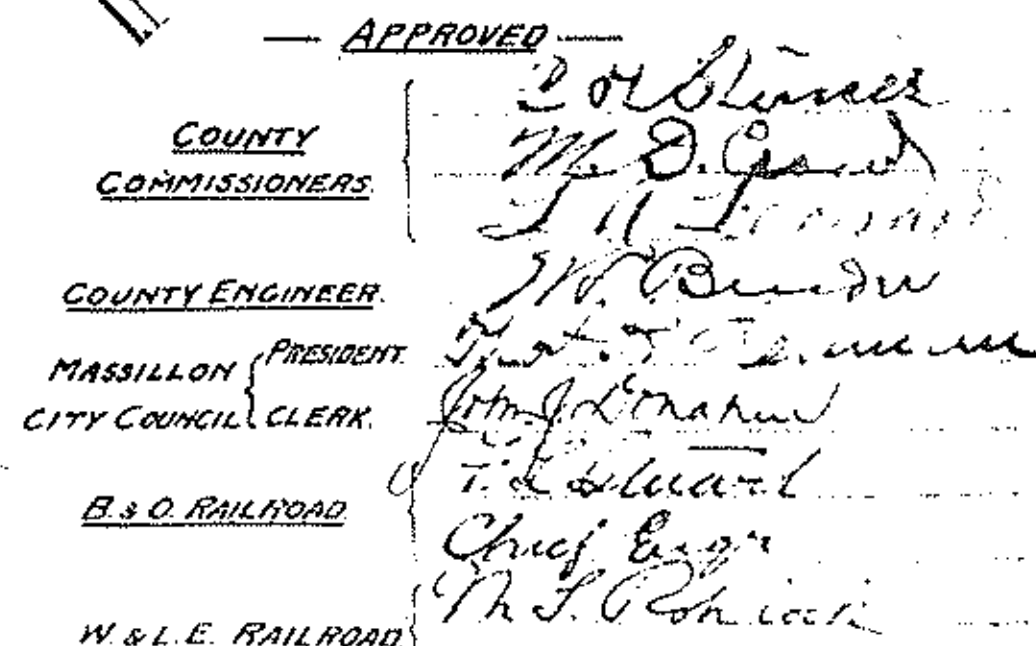


### ELEVATION OF TRUSS

Scale  $\frac{1}{2}$ " &  $\frac{3}{8}$ " = 1'-0".

*Camber Truss 2'*

$\frac{1}{4} = 3:0$  cfr 2.



Scales:  $\frac{3}{8}" = 1'-0"$

DEAD LOAD. Steel 1200 } = 3300" per lin. ft. of Span  
Gang Fl. & Foring 2100 }  
including Future Sinks  
LIVE LOAD. Floor. 24 Tons on Car Truck  
15 Ton Truck  
100" per sq. ft.  
Trusses. 1800" per lin. ft. of Car Truck } = 1500" per lin. ft. of Truss  
100" per sq. ft. of Floor.  
Specification - Design and Dimensions - C. C. Schneider 1901  
PAINT. Shop - 1 Coat } See Specifications  
Field - 2 Coats }

COLUMBIA HEIGHTS BRIDGE.  
MASSILLON, OHIO.

## GENERAL DETAILS

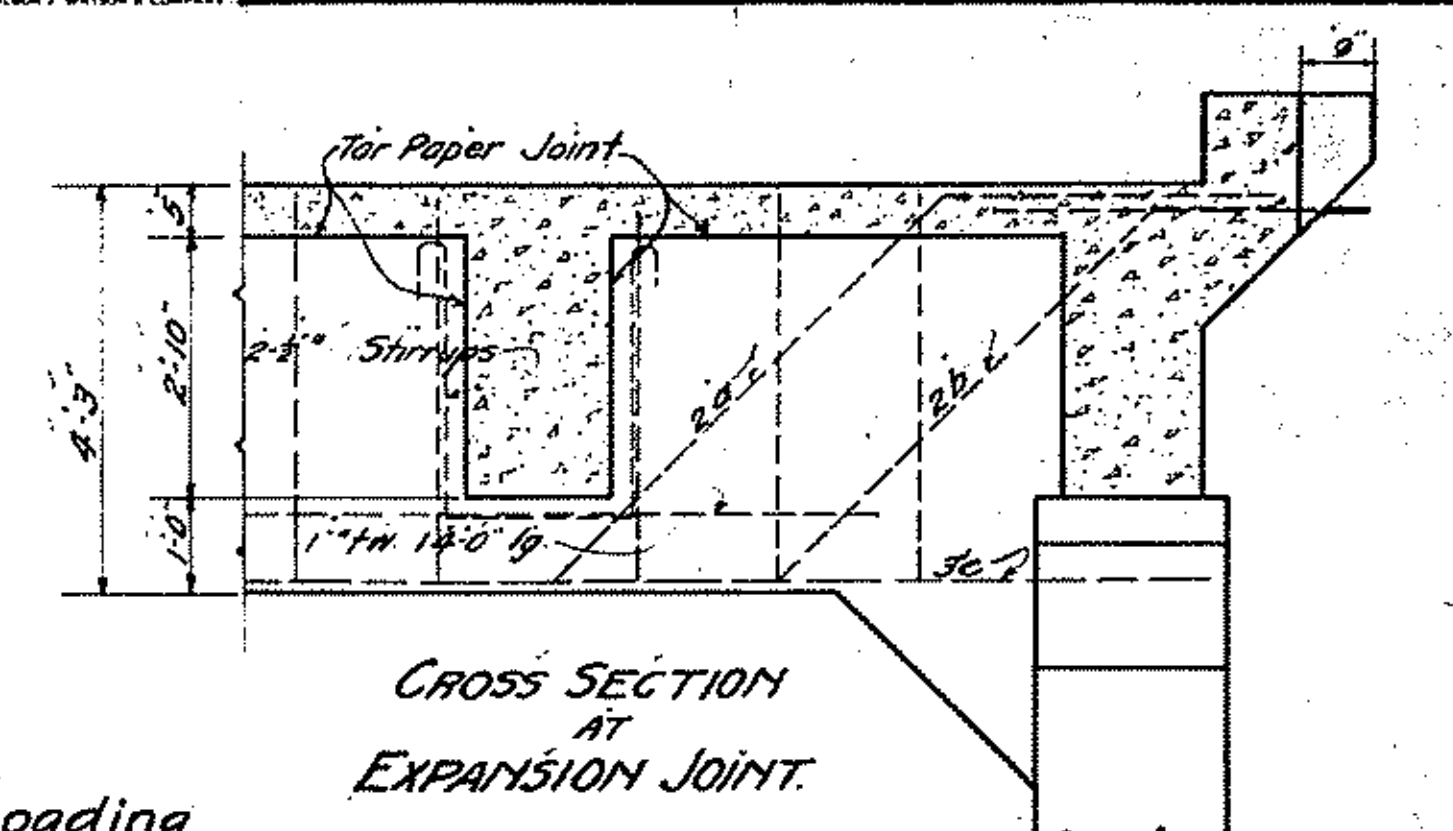
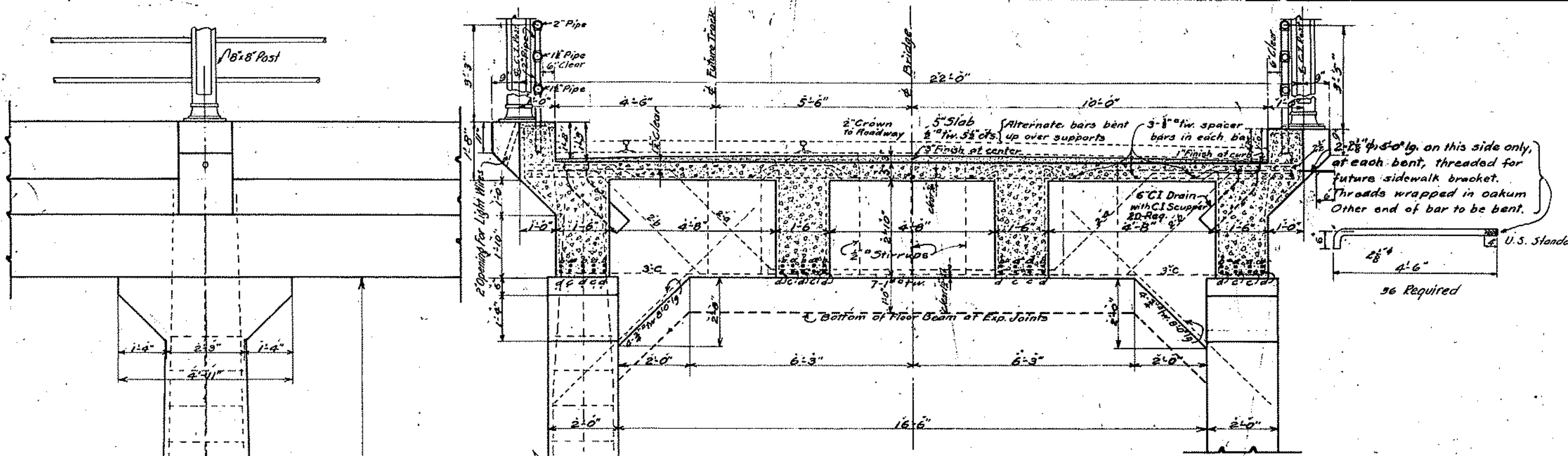
W. L. BENDER, COUNTY SURVEYOR.  
WILBUR J. WATSON & CO. BRIDGE ENGINEERS  
CLEVELAND, O.

Scale  $\frac{3}{8}$ " &  $\frac{1}{2}$ " = 1'0" July 5, 1914



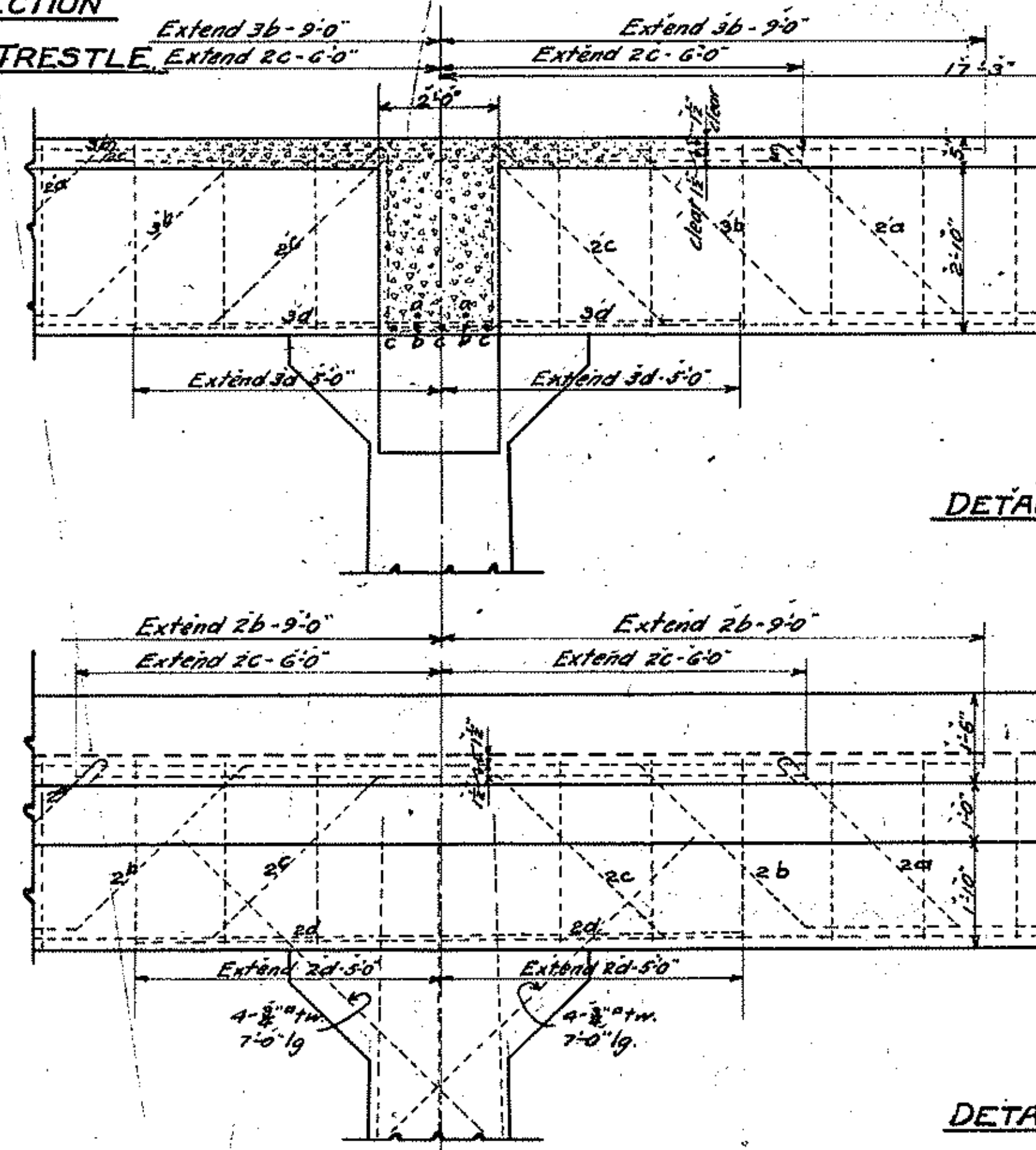






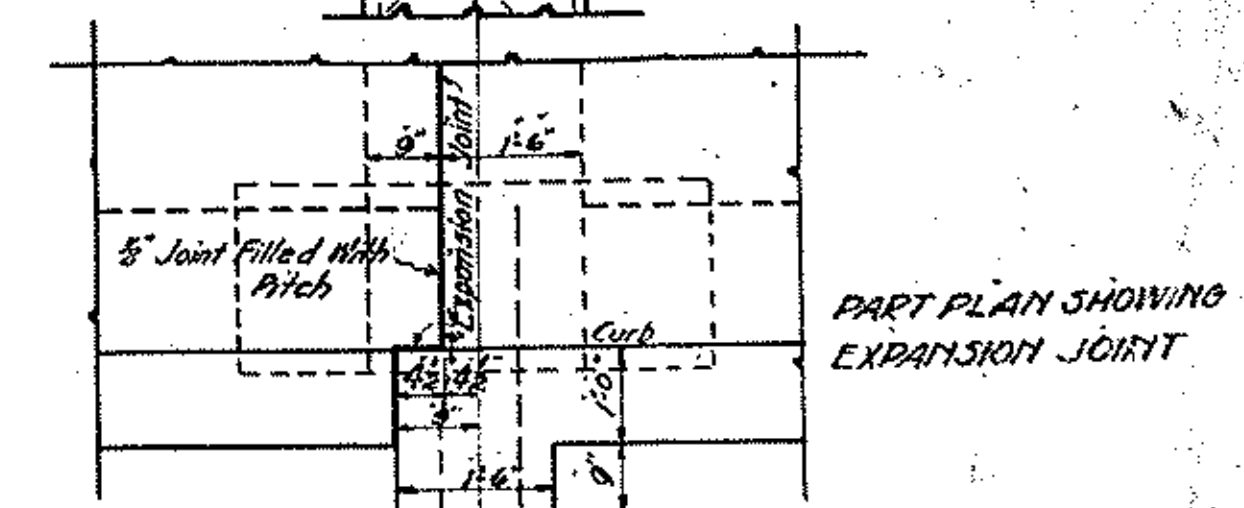
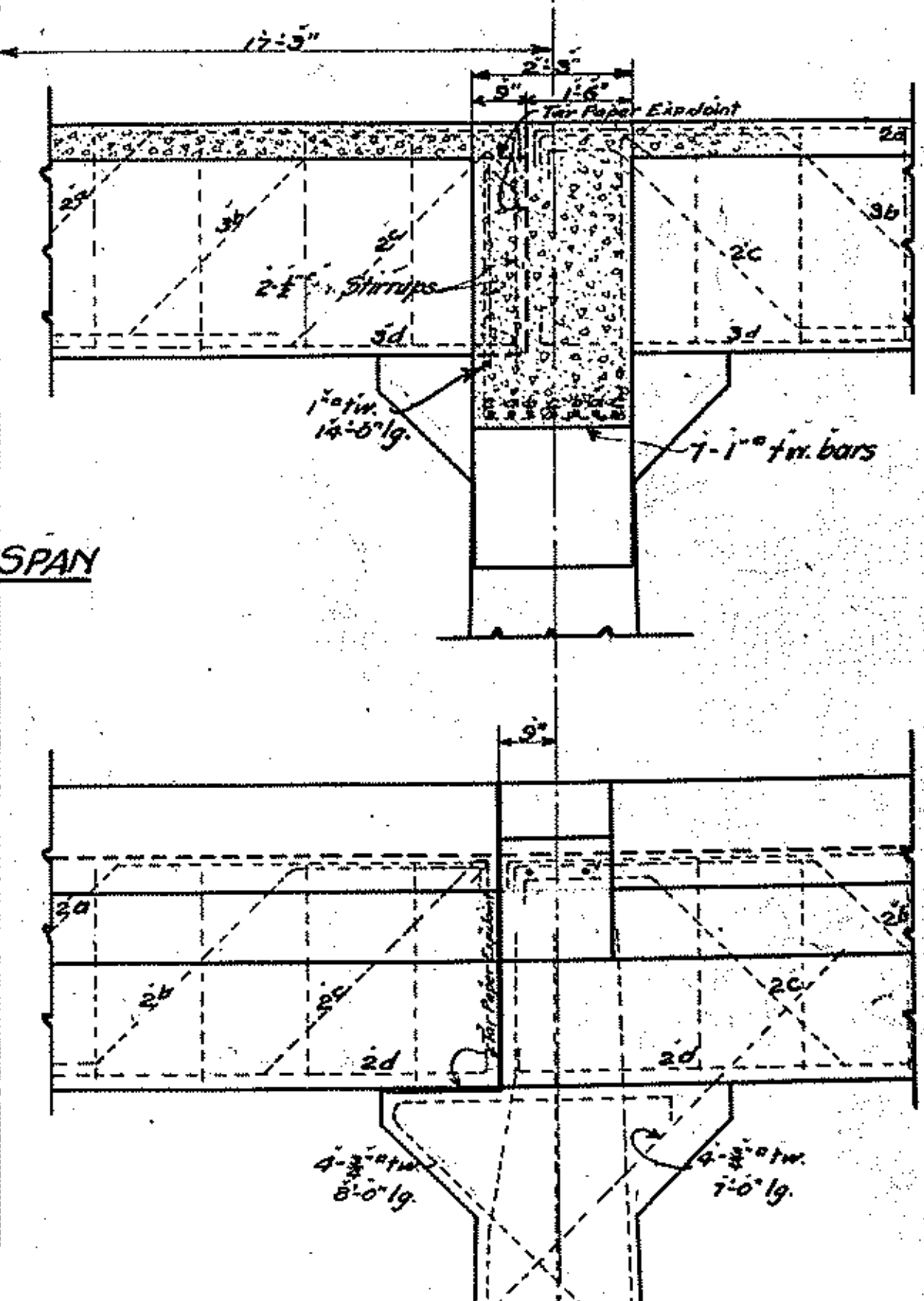
**LOADING**  
 Dead Load per lineal foot of concrete trestle = 6500#  
 Track 24 ton car axles 10'-0" cts.  
 Live Load Roadway 15 ton car axles 10'-0" cts.  
 Future Sidewalk 100# per sq. ft.

**TYPICAL CROSS SECTION  
THRU CONCRETE TRESTLE**



**DETAIL OF STRINGERS - 34'-6" SPAN  
UNDER FUTURE TRACK.  
TYPICAL FOR ALL SPANS.**

**DETAIL OF CURB GIRDER**



**COLUMBIA HEIGHTS BRIDGE**  
 OVER  
 TUSCARAWAS RIVER & OHIO CANAL  
 AND  
 B.&O. AND W.&L.E. RAILROADS  
 MASSILLON,  
 STARK COUNTY, OHIO.

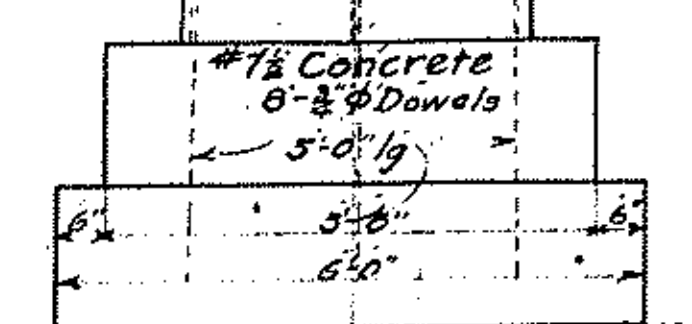
**DETAILS OF CONCRETE TRESTLE**  
 W.L. BENDER COUNTY ENGINEER  
 H.M. YOST CITY ENGINEER  
 WILBUR J. WATSON & CO. CONSULTING ENGINEERS  
 CLEVELAND, OHIO.  
 SCALE 3"=1'-0" JUNE 12 1914

**APPROVED**  
 COUNTY COMMISSIONERS  
 COUNTY ENGINEER  
 MASSILLON (PRESIDENT)  
 CITY COUNCIL CLERK  
 B.&O. RAILROAD  
 W.&L.E. RAILROAD  
 SUPT. PUBLIC WORKS OF OHIO.

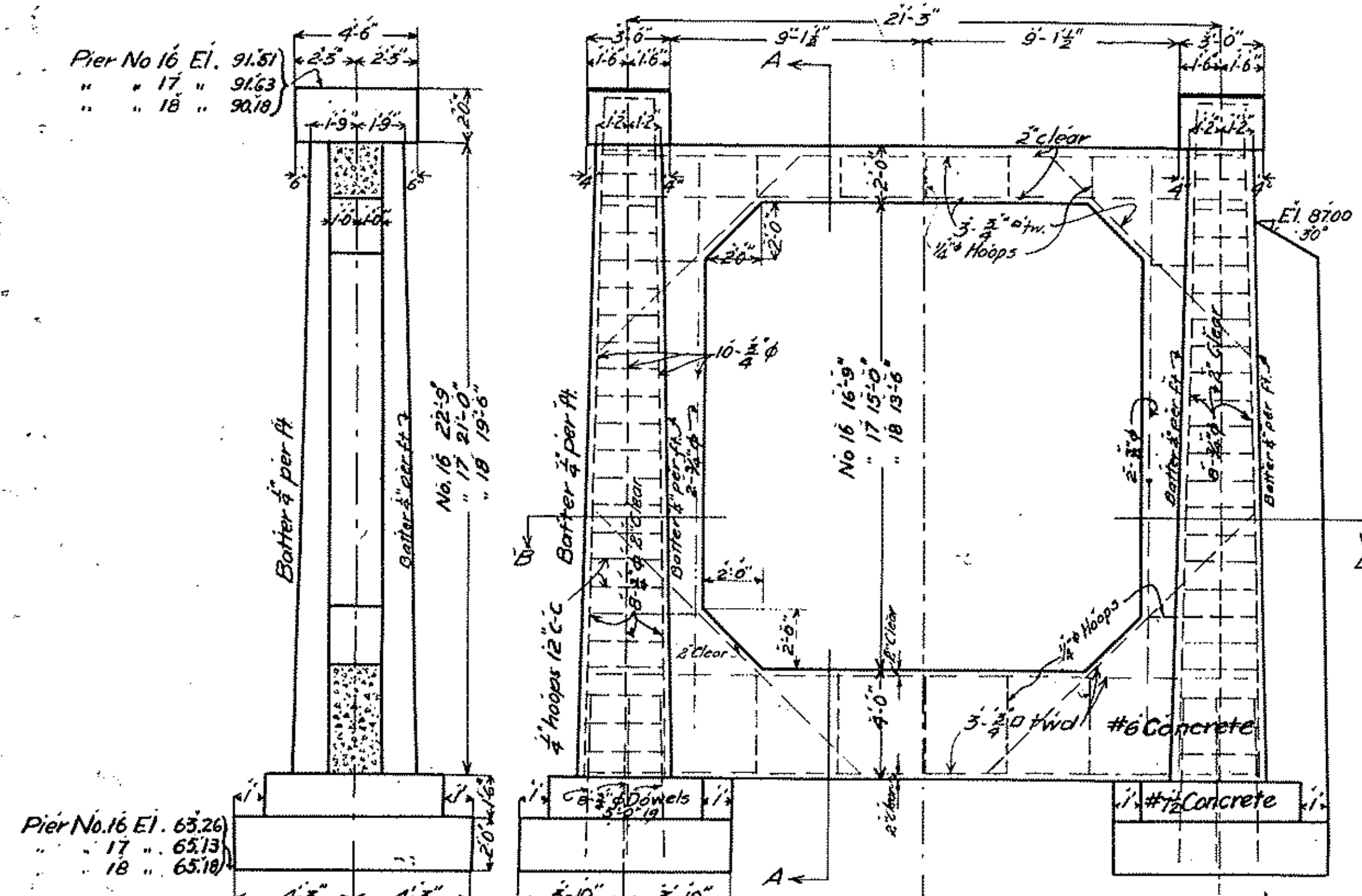
NOTE: Elevation of all footings may be changed in field at discretion of Engineer in order to obtain proper foundations

NOTE: Wall at Pier No. 4 same as wall at Pier No. 2. See detail sheet No. 6.

**DETAIL OF COLUMN**

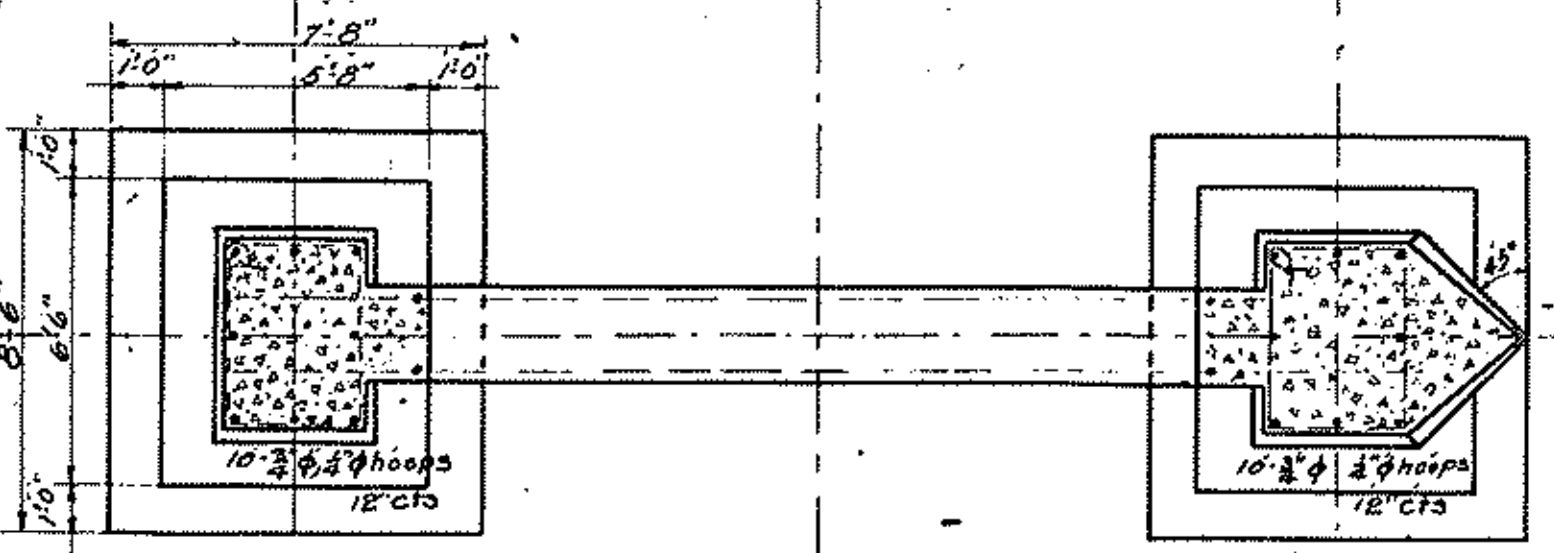




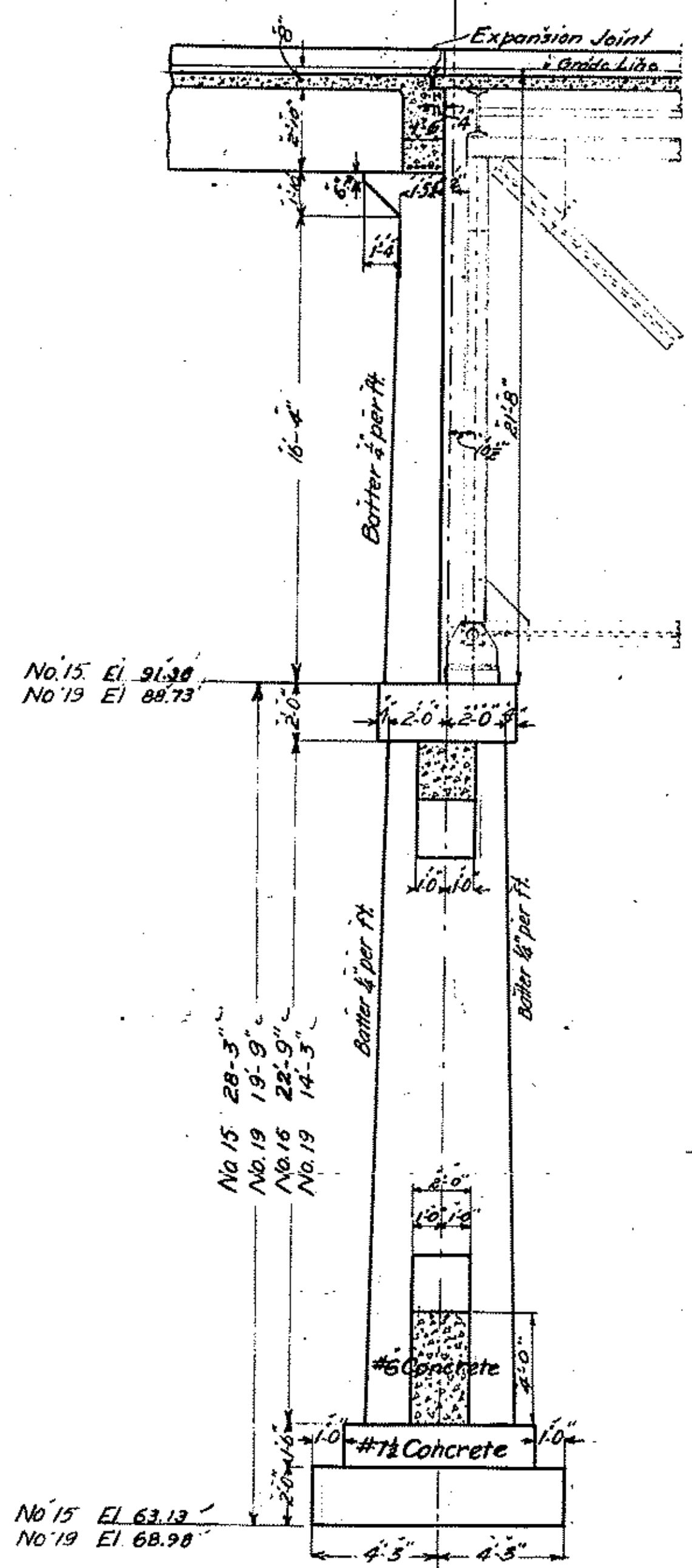


SECTION A-A

Pier No. 16 El. 91.51  
 " " 17 " 91.63  
 " " 18 " 90.18

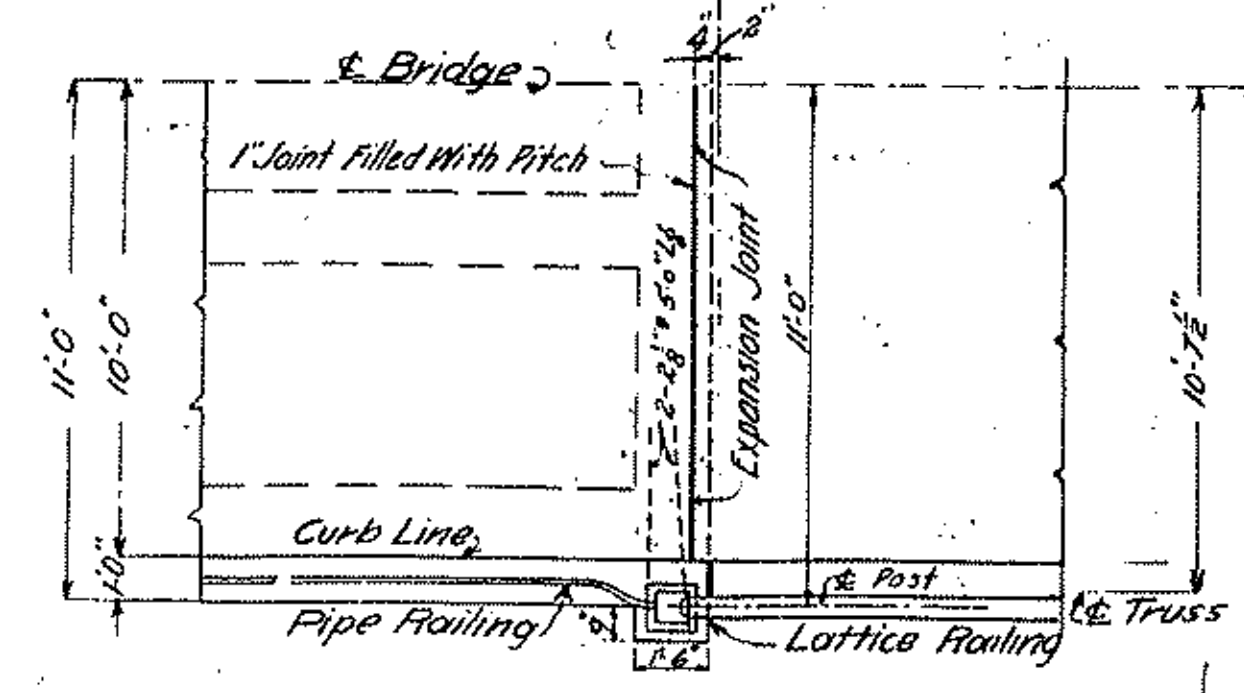


SECTION PLAN B-B  
 PIERS NO. 16-17 & 18

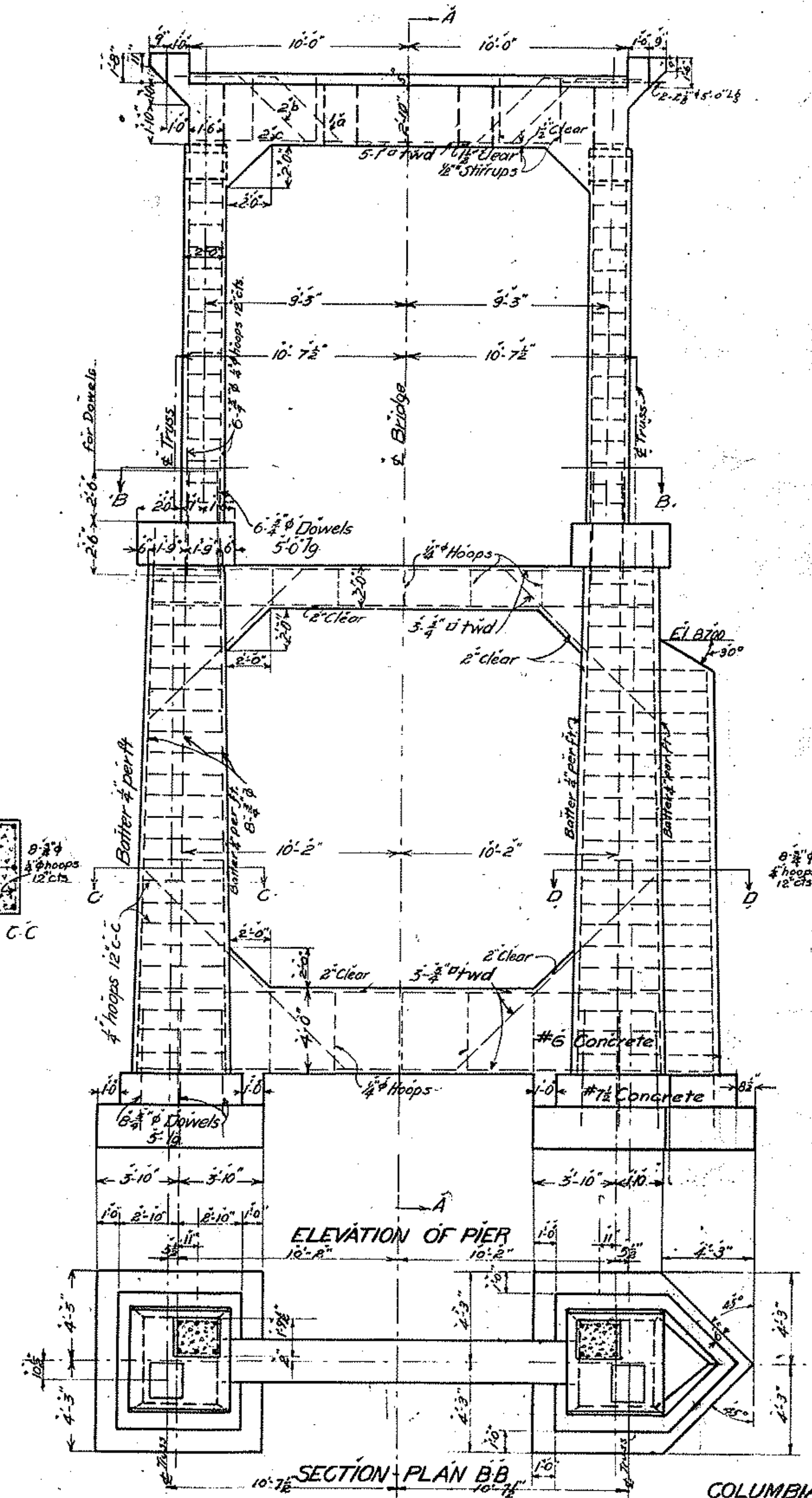


SECTION A-A

No. 15 El. 91.30  
 No. 19 El. 88.73



PIERS NO. 15 & 19



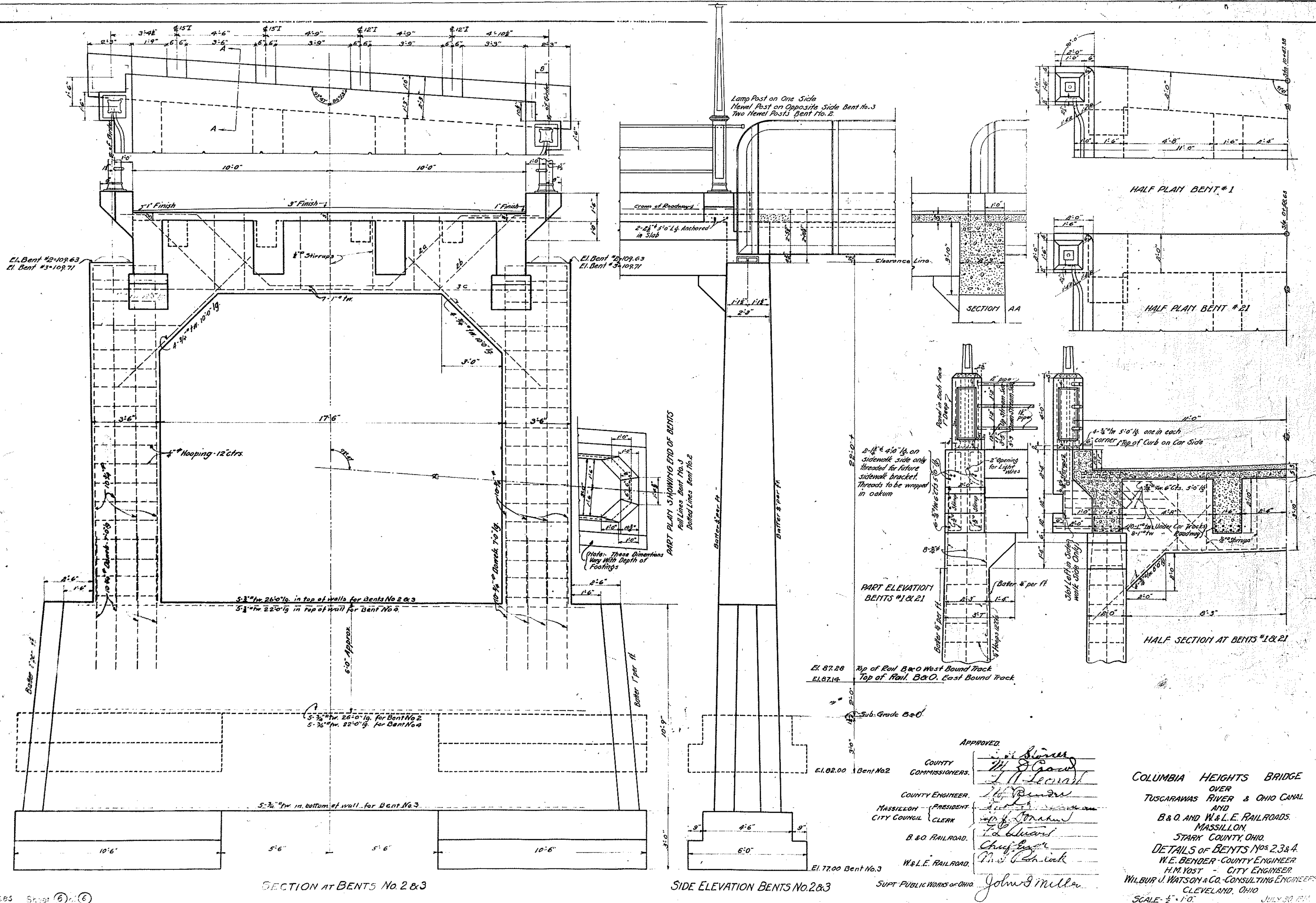
SECTION PLAN B-B

No. 15 El. 91.30  
 No. 19 El. 88.73

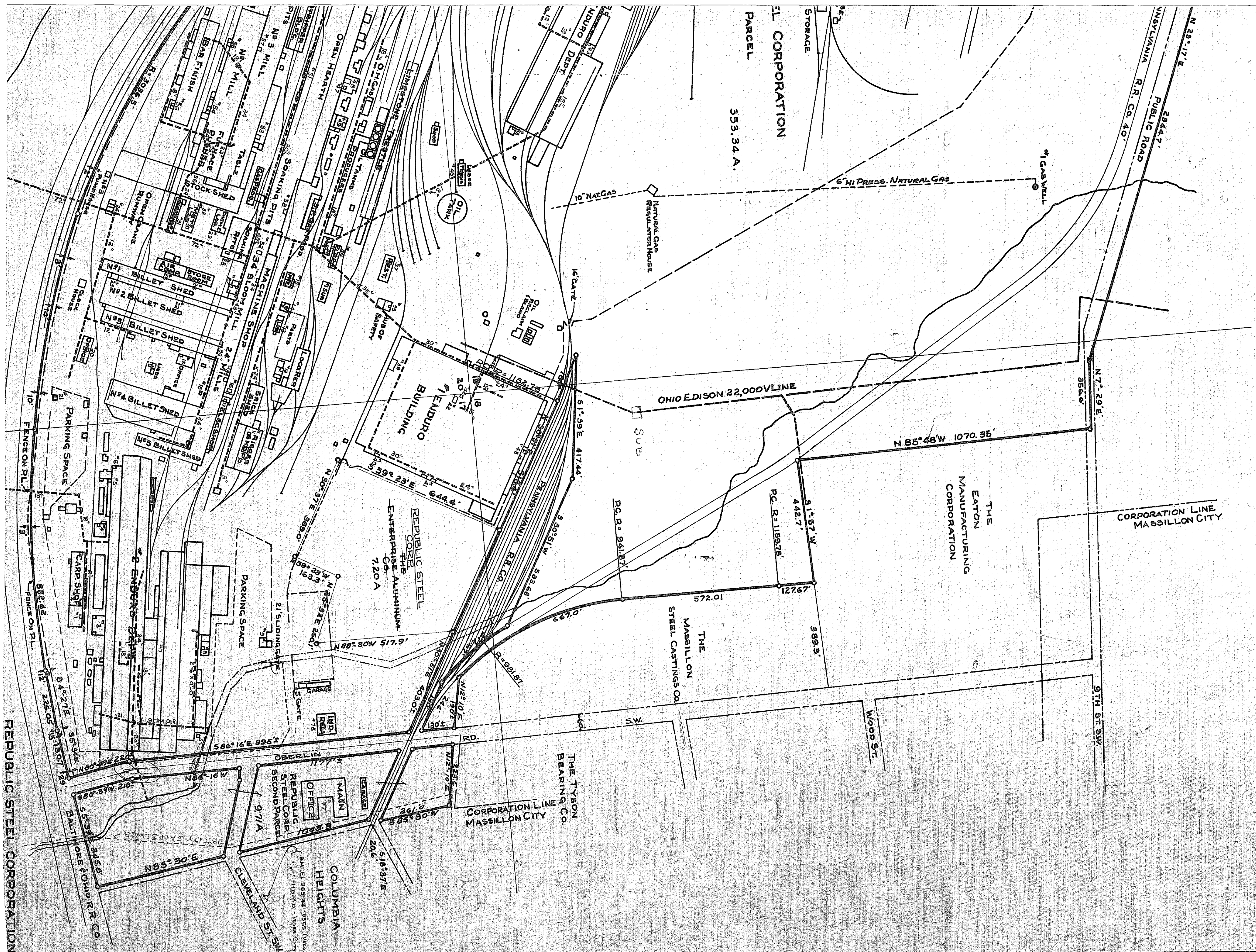
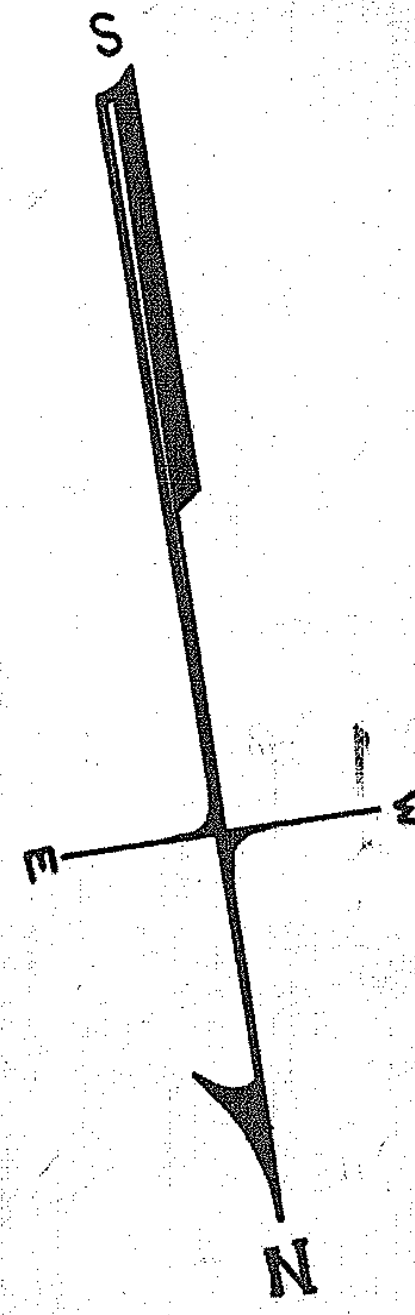
APPROVED  
 COUNTY COMMISSIONERS  
 COUNTY ENGINEER  
 MASSILLON (PRESIDENT)  
 CITY COUNCIL CLERK  
 B&O RAILROAD  
 W&L.E. RAILROAD  
 Supt. PUBLIC WORKS OF OHIO

COLUMBIA HEIGHTS BRIDGE  
 OVER  
 TUSCARAWAS RIVER & OHIO CANAL  
 AND  
 B&O AND W&L.E. RAILROADS  
 MASSILLON  
 STARK COUNTY, OHIO  
 DETAILS OF PIERS  
 W.B. BENDER COUNTY ENGINEER  
 H.M. YOST CITY ENGINEER  
 WILBUR J. WATSON & CO. CONSULTING ENGINEERS  
 CLEVELAND, OHIO  
 SCALE 1" = 1'-0"  
 JULY 17, 1914

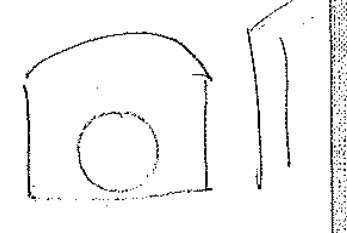








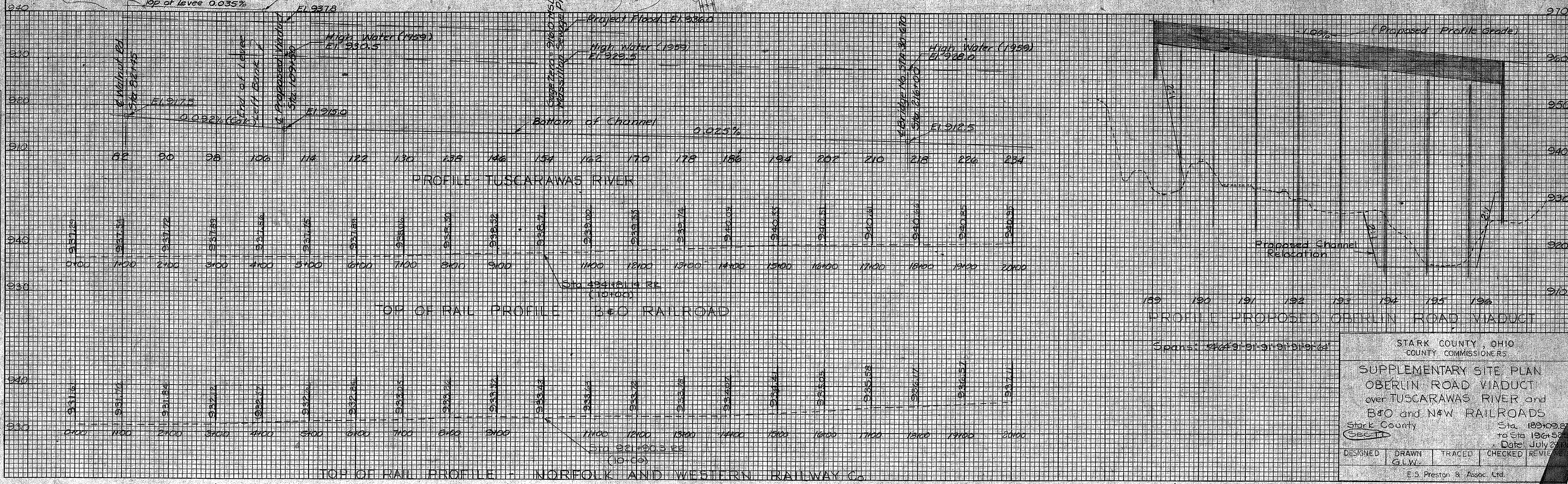
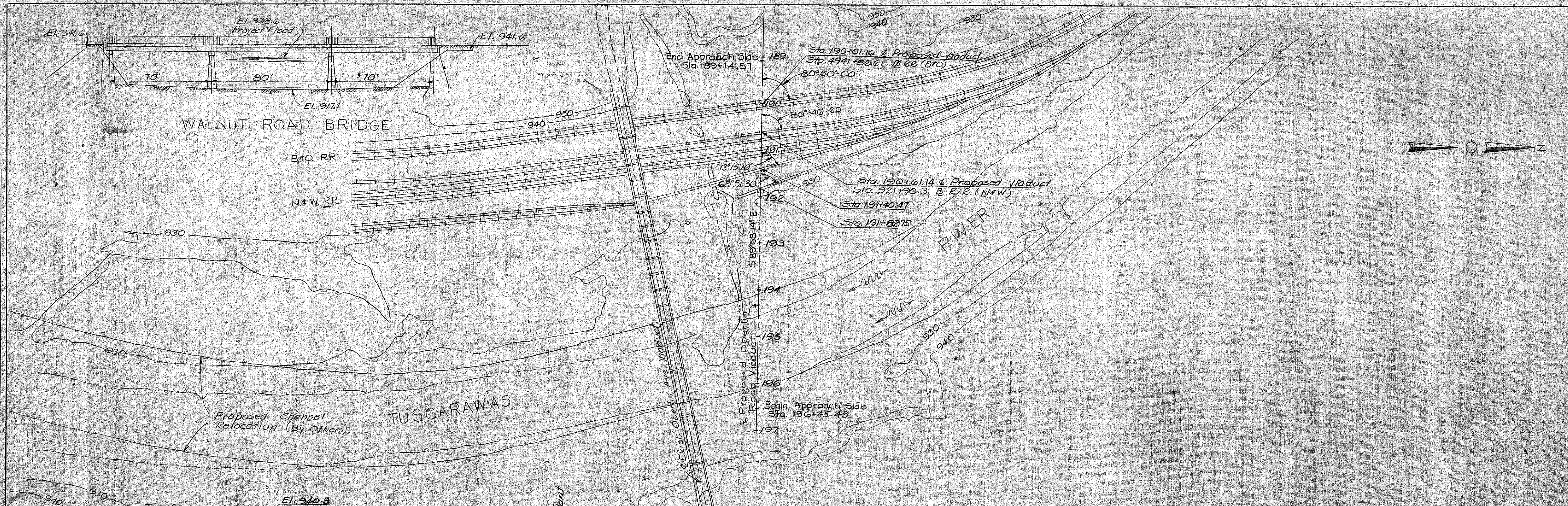
N- 4-31126  
F 37042  
L-918 Master  
DRAIN PLANS  
Rep Steel  
Massillon Ohio  
Charles Otto





FINAL SURVEY  
 DATE  
 BY  
 SURVEYED  
 NOTE BOOK  
 AREAS CHECKED  
 NO.

ORIGINAL SURVEY  
 DATE  
 BY  
 SURVEYED  
 NOTE BOOK  
 AREAS CHECKED  
 NO.



STARK COUNTY OHIO  
 COUNTY COMMISSIONERS  
 SUPPLEMENTARY SITE PLAN  
 OBERLIN ROAD VIADUCT  
 over TUSCARAWAS RIVER and  
 B&O and N&W RAILROADS  
 Stark County  
 Sta. 189+09.87  
 to Sta. 196+45.48  
 Date: July 27, 1954  
 DESIGNED  
 DRAWN  
 GLW  
 TRACED  
 CHECKED  
 REVIS  
 E.S. Preston & Assoc. Ltd.



# OSBERLIN ROAD

See Plant Entrance

10-2-53

Dec 1953

R. H. B. (H)

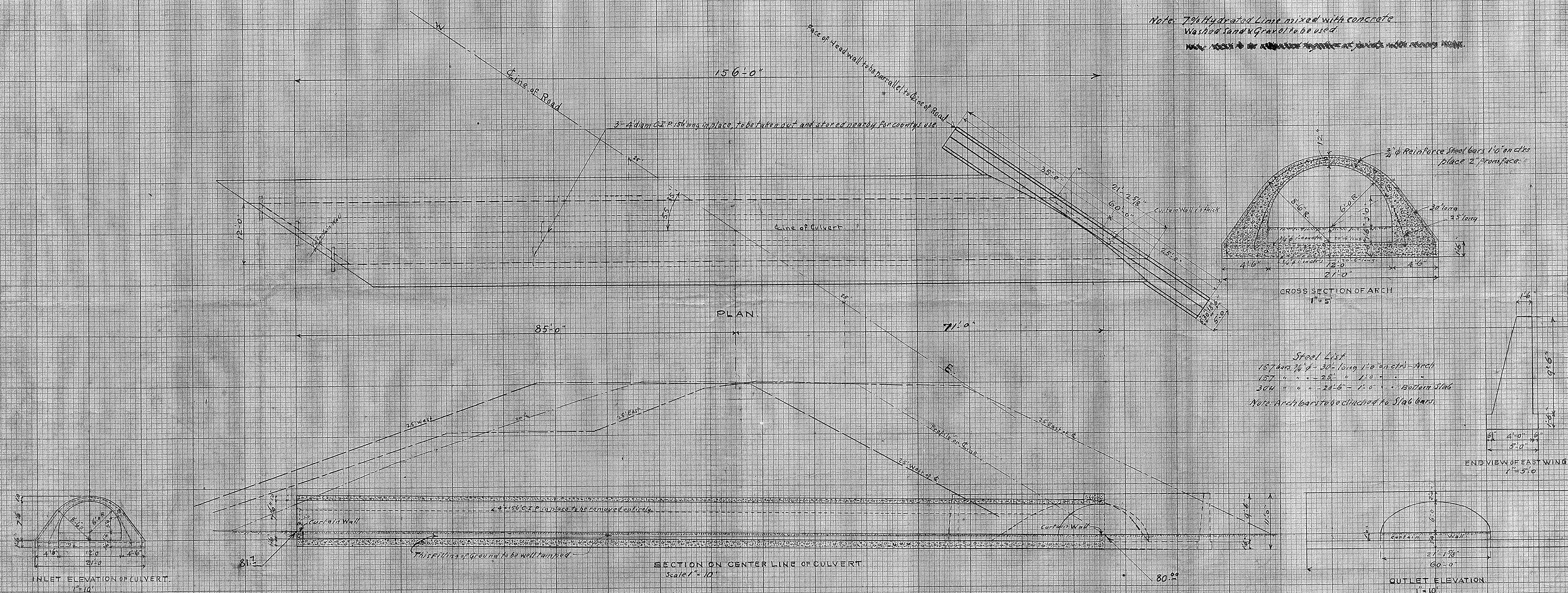




Material - Concrete & Reinforce Wire Mesh  
Type - Special Conc Arch Culvert  
Size - 12 x 6"  
Length - 156' on Cline  
Work Required - Remove present 3-4' x 16" C-2 P  
build new Conc Arch Culvert

Estimated Quantities	
Dry Excavation Backfill unclassified	4495 Cu.Yds.
Wet " " " " " "	506 " "
Concrete 1:2:4 " " " "	60.9 " "
Reinforce Steel	22330 LBS
Labor Raimeying 4 diam.CIP	408 Lin.Ft.

Note: 7% Hydrated Lime mixed with concrete  
Washed Sand & Gravel to be used.



Recommended for Approval: *[Signature]*

W. H. Gungor  
Chief Engineer, B. & O. R.R.

APPROVED Aug 26 1954

*H. F. Lehman*  
State Highway Engineer

APPROVED *W. J. Mc* 1924  
*W. J. Mc*

APPROVED

COUNTY COMMISSIONERS

Date: 7-30-24 Wilcox, N. Mex.  
COUNTY SURVEYOR.