

ROS-23-4.29

GENERAL NOTES

REFERENCE shall be made to Standard Drawings SB-1-47, dated 1-20-48 and I-21, dated 1-2-51.

PILING shall be driven to a minimum bearing capacity of 25 tons.

METAL WASHERS of approximately 3" diameter shall be provided on the anchor bolts, between the railing posts and the fascia of the deck, to hold the railing in accurate alignment. Washers shall be used only to the extent necessary for this purpose. The space between each railing post and the face of the concrete shall be thoroughly and neatly filled with "Leadite" or approved equivalent, to exclude moisture. Payment for washers and filling shall be considered as included in the contract price per lin. ft. of railing. Bush-hammering of edge of deck as provided on Standard Drawing SB-1-47 shall not be done.

SURFACE FINISH OF CONCRETE: Fascia of deck slab shall receive a rubbed surface finish. All other exposed surfaces shall be governed by the provisions of Item S-1.

GRAVEL, if used as coarse aggregate, shall be according to Sec. M-3.93 instead of M-3.91 for Class "C" concrete, superstructure.

POROUS BACKFILL, 2 ft. thick, shall extend up to a point 2 ft. below the approach slab seat or finished ground line, for full length of abutments and wings. Impervious soil shall be placed above this porous material.

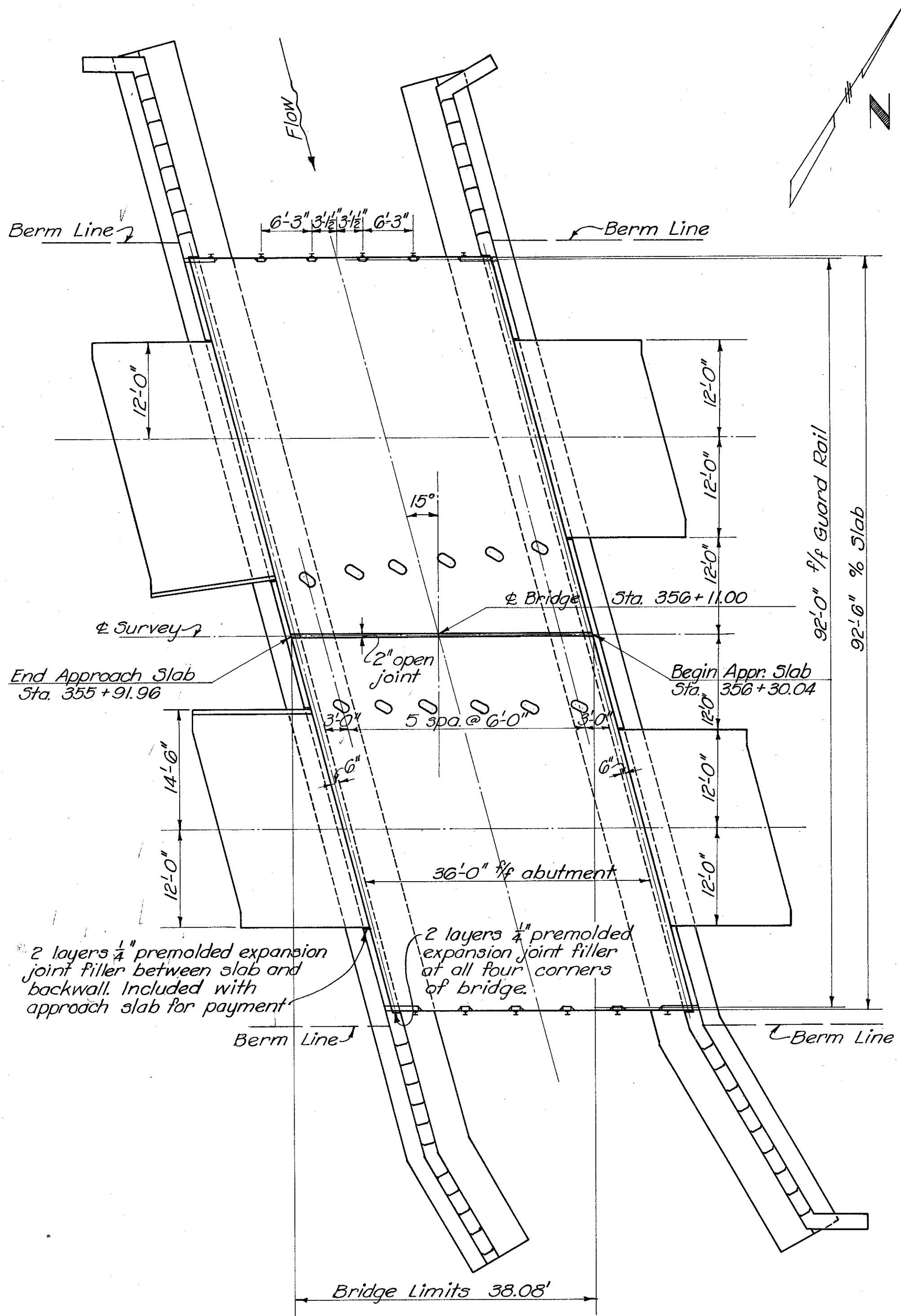
ESTIMATED QUANTITIES

Item	Total	Unit	Description	Supers	Abuts	General	As Built
E-2	Lump	Sum	Cofferdams, cribs and sheeting			Lump	
E-2	522	Cu yds.	Unclassified excavation		522		
E-3	929	Cu yds.	Channel excavation			929	60.0 + 162
							1091
S-1	248	Cu yds.	Class "C" concrete, superstructure	248			
S-1	280	Cu yds.	Class "E" concrete, abutment walls		280		
S-1	244	Cu yds.	Class "E" concrete, abutment footings		244		
S-3	391	Sq. yds.	Type "C" waterproofing	391			
S-3	96	Lin. Ft.	Waterproofing, premolded sealing strip		96		
S-4	72437	Lbs.	Reinforcing steel	53821	18535	81	
S-9	16	Sq. Ft.	1/4" premolded expansion joint filler		16		
S-9	79	Sq. Ft.	1" premolded expansion joint filler		25	54	
S-14	76.16	Lin. Ft.	Railing (Type I-15.13 with steel posts)	76.16			
S-16	Lump	Sum	First test pile			Lump	
S-18	2048	Lin. Ft.	12" cast-in-place reinforced concrete piling		2048		60.0 + 162.06
S-29	242	Cu yds.	Porous backfill		242		1885.94
T-35	27	Cu yds.	Asphaltic concrete surface course, Type A or C (70-80)	27			
I-21	12	Each	Precast concrete traffic dividers	12			

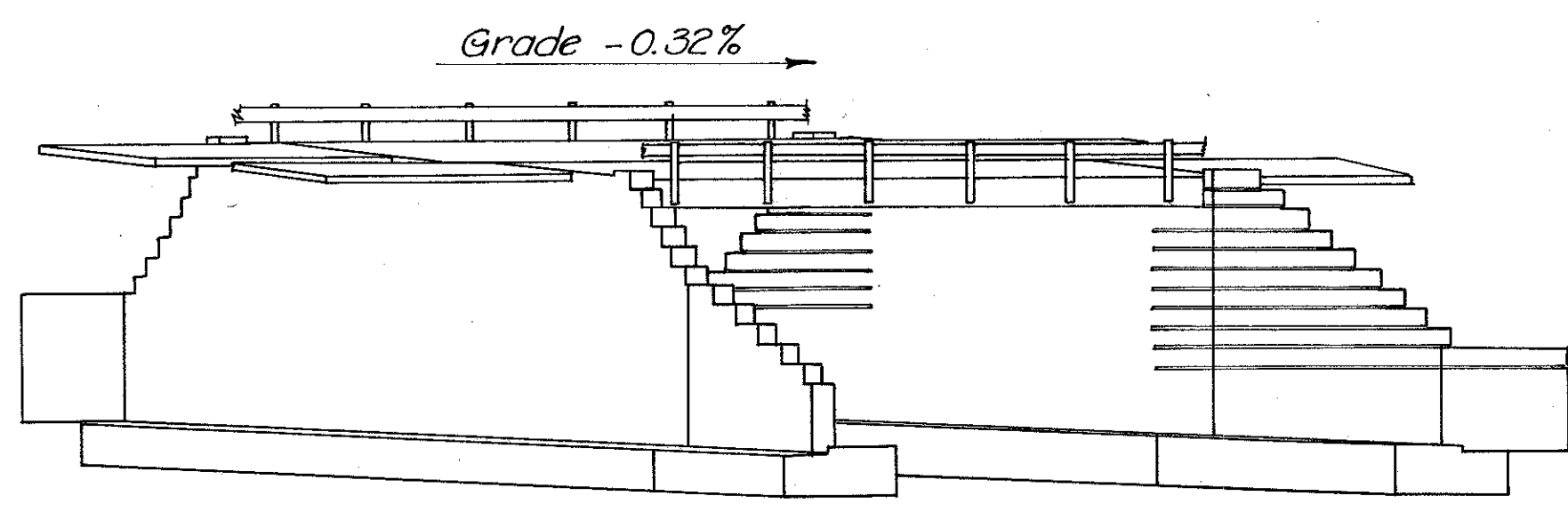
REINFORCING STEEL LIST

Mark	No.	Length	Weight	Shp.	Bending Diagrams	Mark	No.	Length	Weight	Shp.	REPLACEMENT STEEL
SUPERSTRUCTURE						A5y	4	4'-3"	13	Str.	
S10a	220	40'-0"	37860	Bt.		A5z	2	3'-6"	7	Str.	
T6a	392	25'-0"	14720	Str.							
T5a	32	37'-0"	1235	Str.							
ABUTMENTS						A5aa	8	30'-0"	250	Str.	RE 10 2 7'-2" 62 Str.
F6a	80	8'-4"	1001	Bt.		A5ab	2	28'-9"	60	Str.	RE 6 1 5'-11" 9 Str.
F5a	315	4'-7"	1506	Bt.		A5ac	2	26'-2"	54	Str.	RE 5 1 5'-7" 6 Str.
F5b	72	5'-0"	375	Str.		A5ad	2	21'-0"	44	Str.	RE 4 1 5'-3" 4 Str.
F5c	397	8'-8"	3588	Bt.		A5ae	2	5'-7"	12	Bt.	
F5d	4	38'-2"	159	Bt.		A5af	2	11'-3"	23	Bt.	
F5e	12	34'-2"	427	Str.		A5ag	2	14'-1"	29	Bt.	
F5f	12	27'-9"	347	Str.		A5ah	2	16'-0"	33	Bt.	
F5g	8	31'-0"	259	Str.		A5aj	64	15'-8"	1046	Str.	
F5h	4	24'-4"	102	Bt.		A5ak	64	15'-2"	1012	Str.	
A5a	64	16'-3"	1085	Str.		A5al	16	15'-7"	260	Bt.	
A5b	64	15'-9"	1050	Str.		A5am	16	14'-6"	242	Str.	
A5c	62	35'-8"	2306	Str.		A5an	4	13'-3"	55	Str.	
A5d	26	13'-9"	373	Str.		A5ao	4	12'-0"	50	Str.	
A5e	6	12'-6"	78	Str.		A5ap	4	10'-9"	45	Str.	
A5f	8	11'-3"	94	Str.		A5aq	4	9'-6"	40	Str.	
A5g	8	9'-9"	81	Str.		A5ar	4	8'-3"	34	Str.	
A5h	6	8'-6"	53	Str.		A5as	4	7'-3"	30	Str.	
A5i	12	7'-3"	91	Str.		A5at	9	9'-2"	86	Bt.	
A5j	18	6'-1"	114	Str.		A5au	6	29'-2"	182	Str.	
A5k	24	4'-0"	100	Str.		A5av	2	28'-2"	59	Str.	
A5l	2	34'-2"	71	Str.		A5aw	2	25'-2"	52	Str.	
A5m	2	29'-0"	60	Str.		A5ax	2	19'-2"	40	Str.	
A5n	2	26'-5"	55	Str.		A5ba	2	13'-2"	27	Str.	
A5o	2	21'-3"	44	Str.		A5bb	2	10'-2"	21	Str.	
A5p	20	9'-0"	138	Bt.		A5bc	2	24'-0"	50	Str.	
A5q	12	14'-3"	178	Str.		A5bd	2	26'-6"	55	Str.	
A5r	4	13'-0"	54	Str.		A5be	2	31'-8"	60	Str.	
A5s	4	11'-9"	49	Str.		A5bf	8	33'-0"	275	Str.	
A5t	2	10'-6"	22	Str.							
A5u	4	9'-3"	39	Str.		A4a	4	15'-8"	42	Str.	
A5v	4	8'-0"	33	Str.		A4b	56	3'-0"	112	Str.	
A5w	4	6'-9"	28	Str.		A4c	2	6'-6"	9	Str.	
A5x	4	5'-6"	23	Str.		A4d	2	9'-0"	12	Str.	
						A4e	2	14'-6"	19	Str.	
						A4f	2	12'-0"	16	Str.	
						A4g	2	14'-8"	20	Str.	
						A4h	2	11'-7"	15	Str.	

In the reinforcing steel bar marks, the numeral following the first letter is the Bar Number which indicates the size of the bar.



PLAN



ELEVATION

Piling shown on separate sheet

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES AND RAILROAD CROSSINGS

**GENERAL PLAN / ELEVATION
GENERAL NOTES, ESTIMATED
QUANTITIES / STEEL LIST**

BRIDGE NO. RO-23-67
OVER NORTH BR. OF INDIAN CREEK
ROSS COUNTY
ROS-23-4.29

STA 356+11.00

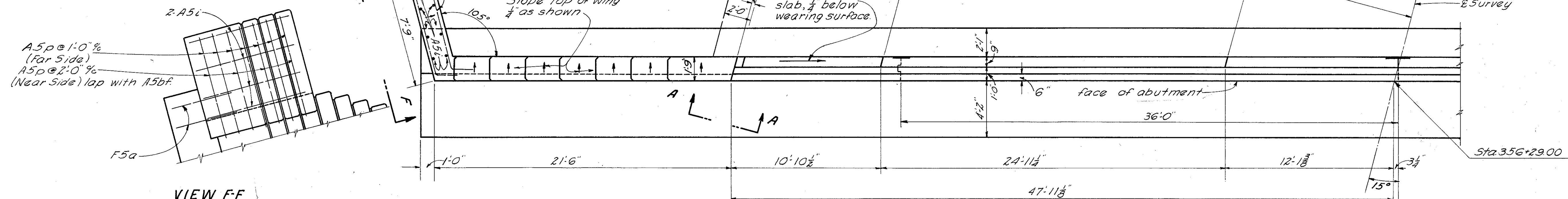
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R.H.L.	R.H.L.	N.E.Y.	M.P.B.	B.F.G.	12-22-53	

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	0AA-F-11(12)	

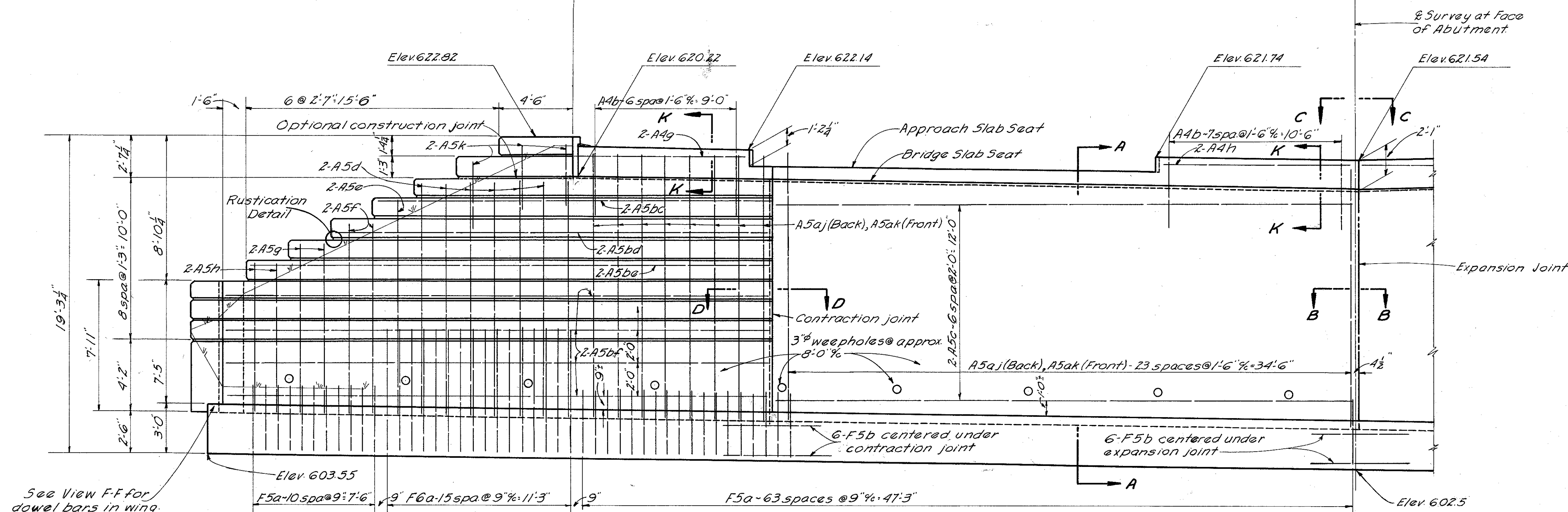


ROS-23-4.29

View A-A see sheet #169
View C-C see sheet #170
Section A-A see sheet #171
Section B-B see sheet #170
Section D-D see sheet #169
Rustication detail see sheet #169

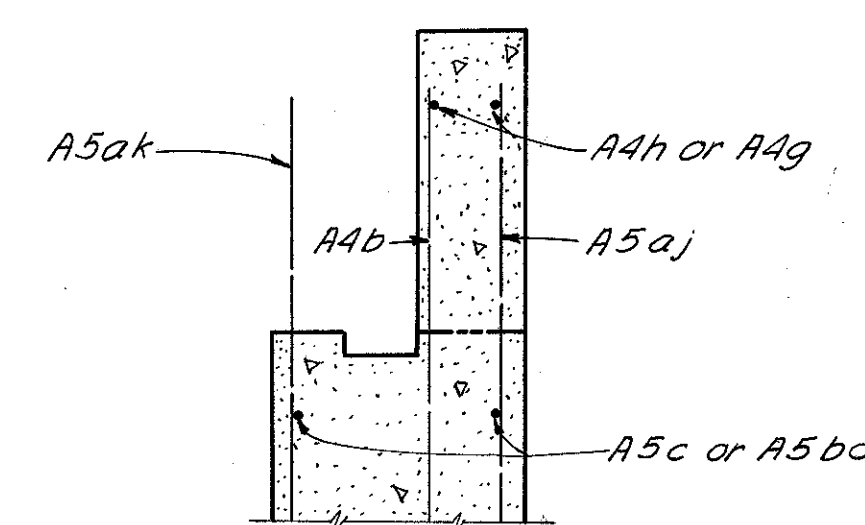


PARTIAL ABUTMENT PLAN



PARTIAL ABUTMENT ELEVATION

Longitudinal dimensions on face of wall.
Piling and footing reinforcement not shown. For details see sheet #173



SECTION K-K

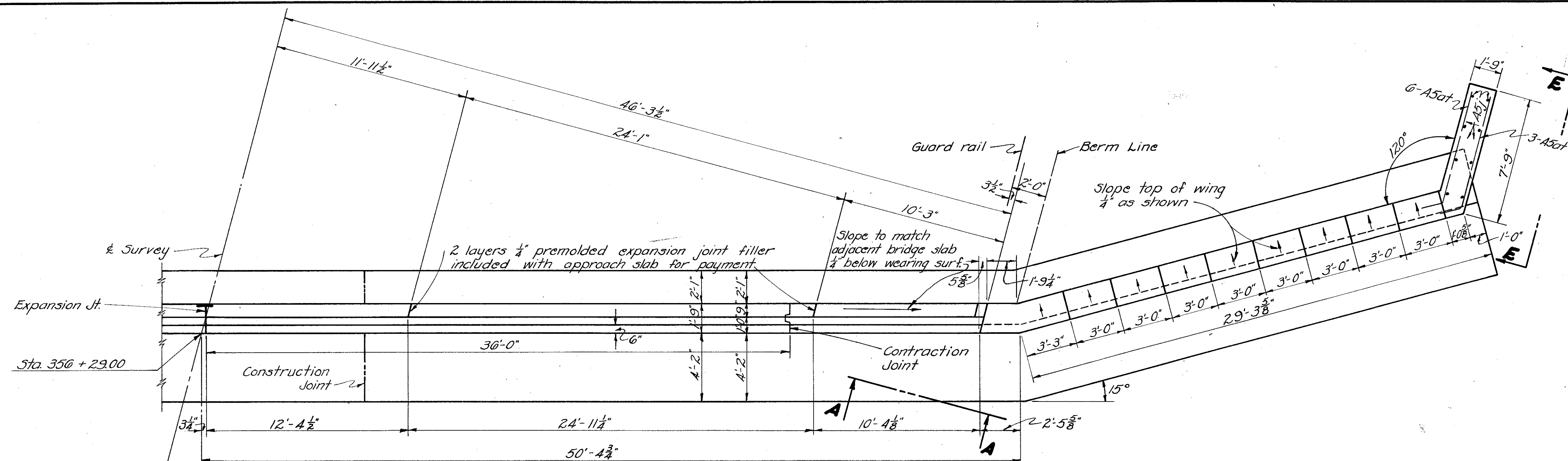
Clearance between reinforcing steel and face of concrete shall be 2" unless otherwise shown.

STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES AND RAILROAD CROSSINGS						
WEST HALF OF FORWARD ABUTMENT, PLAN & ELEVATION BRIDGE NO. RO-23-67 OVER NORTH BR. OF INDIAN CR. ROSS COUNTY SEC. ROS-23-4.29 STA. 350+11.00						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
R.H.L.	R.H.L.	REK	M.P.B.	R.H.L.	12-22-53	

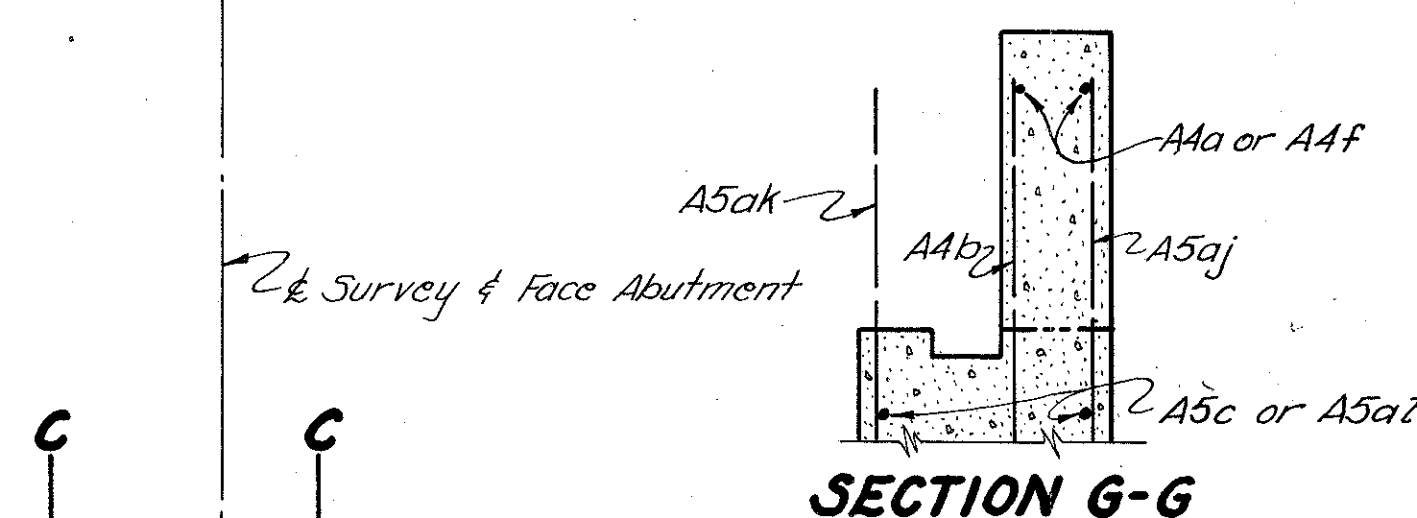
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2	OHIO	0AA-F-11(12)	



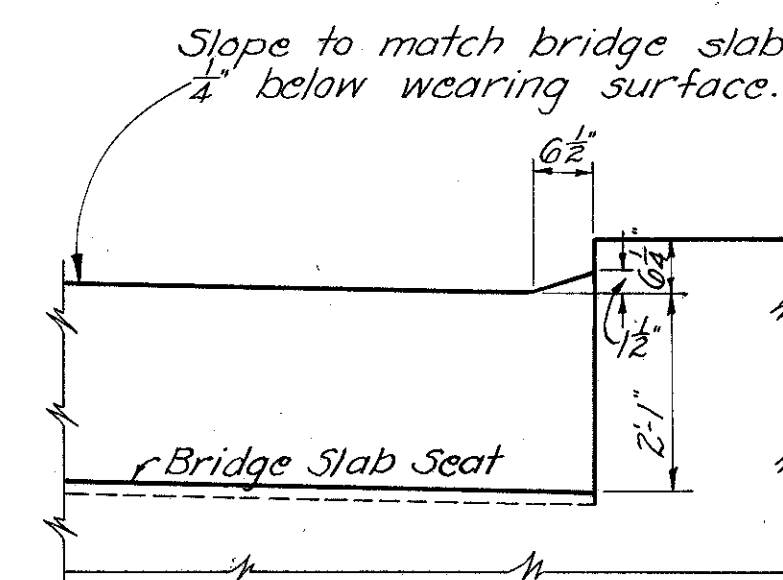
ROS-23-4.29



PARTIAL ABUTMENT PLAN



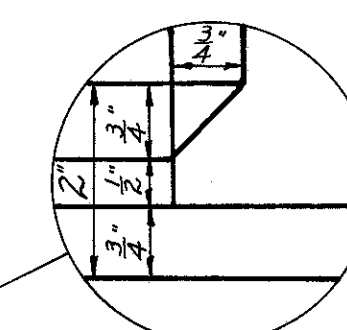
SECTION G-G



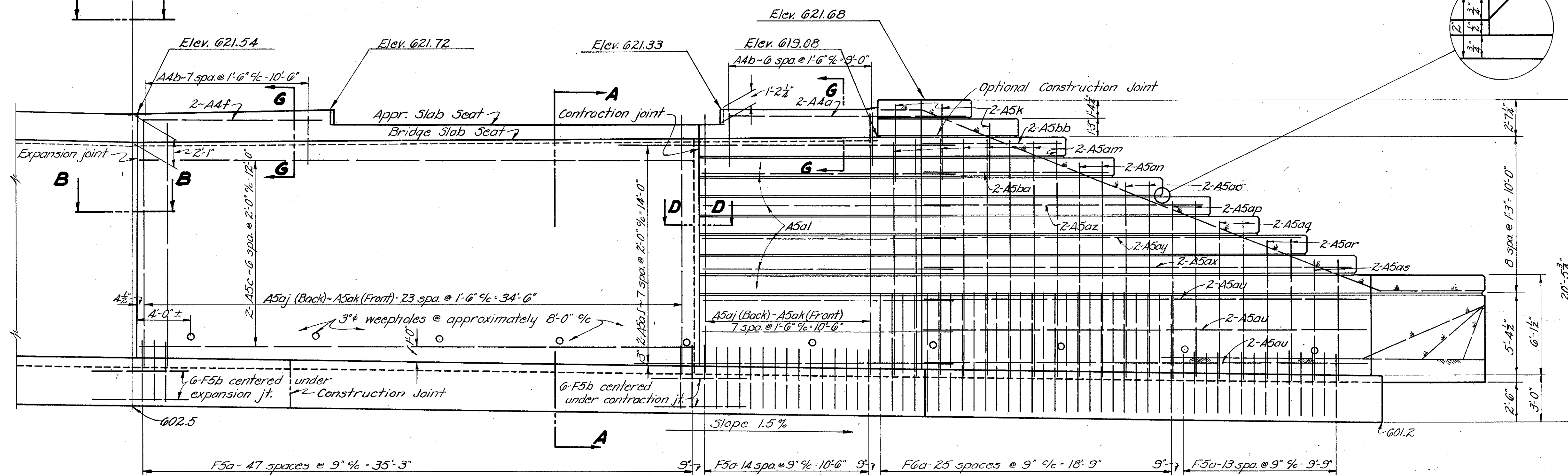
VIEW A-A

View A-A on sheet #168 and sheet #171 are opposite hand.

Rustication Detail



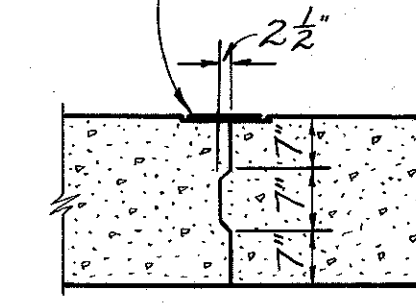
Section A-A - see sheet #171
Section B-B - see sheet #170
View C-C - see sheet #170
View E-E - see sheet #170



PARTIAL ABUTMENT ELEVATION

LONGITUDINAL DIMENSIONS ON FACE OF WALL
Piling and footing reinforcement not shown. For details see sheet #173. Clearance between reinforcing steel and face of concrete shall be 2" unless otherwise shown.

12" x 1/2" Premolded Sealing Strip in 13" x 1/2" recess as per Item 5-3.



SECTION D-D

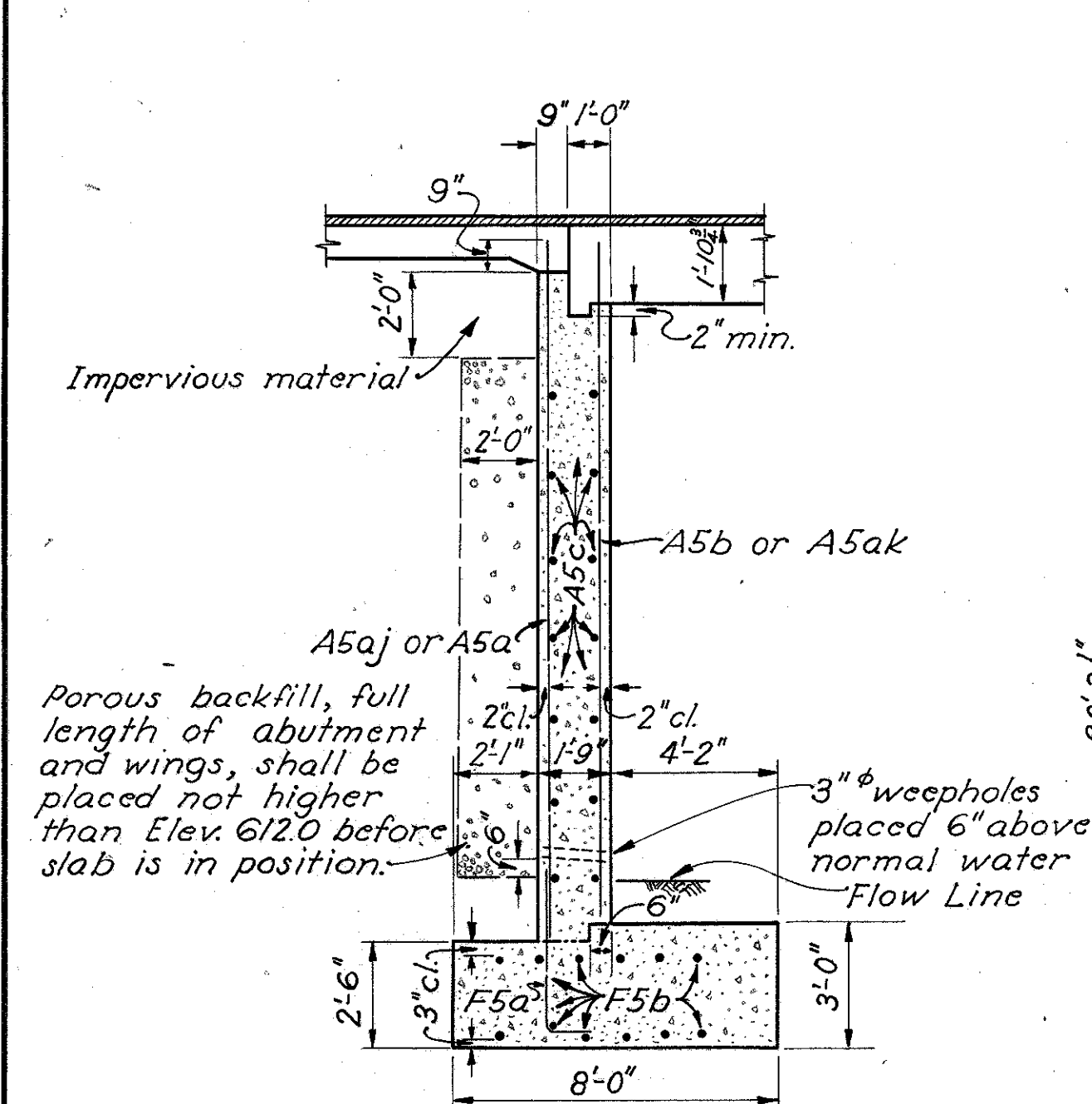
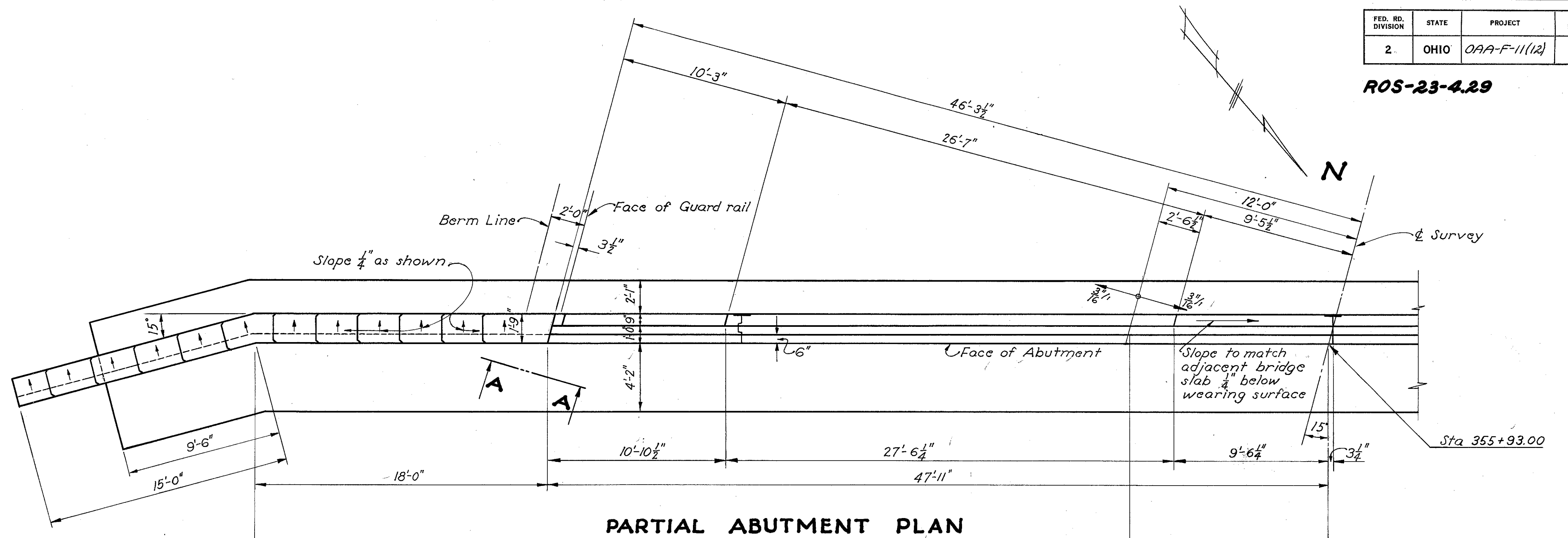
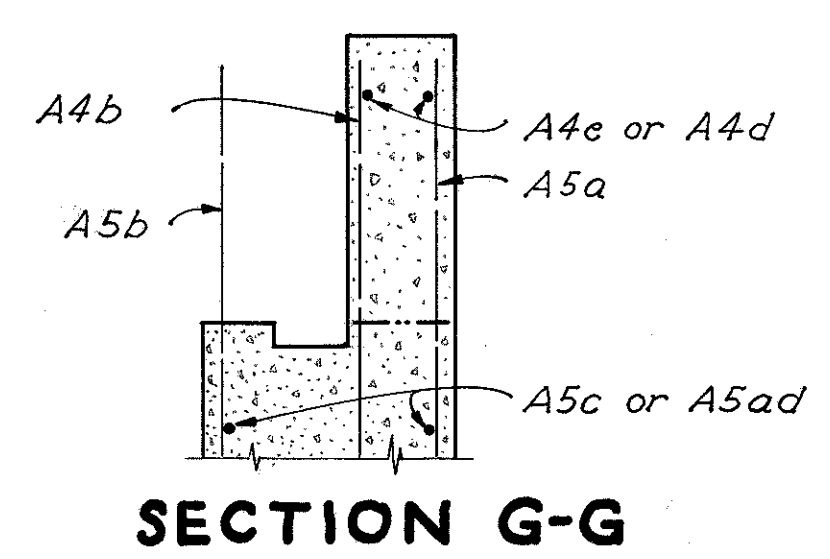
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EAST HALF OF FORWARD ABUTMENT BRIDGE NO. R0-23-07 OVER NORTH BRANCH OF INDIAN CR. ROSS COUNTY SEC. R05-23-4.29 STA. 350 + 11.00							
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISION	
R.H.L.	R.H.S.	C.W.	M.F.B.	B.F.G.	12-22-53		

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	OAA-F-11(12)	

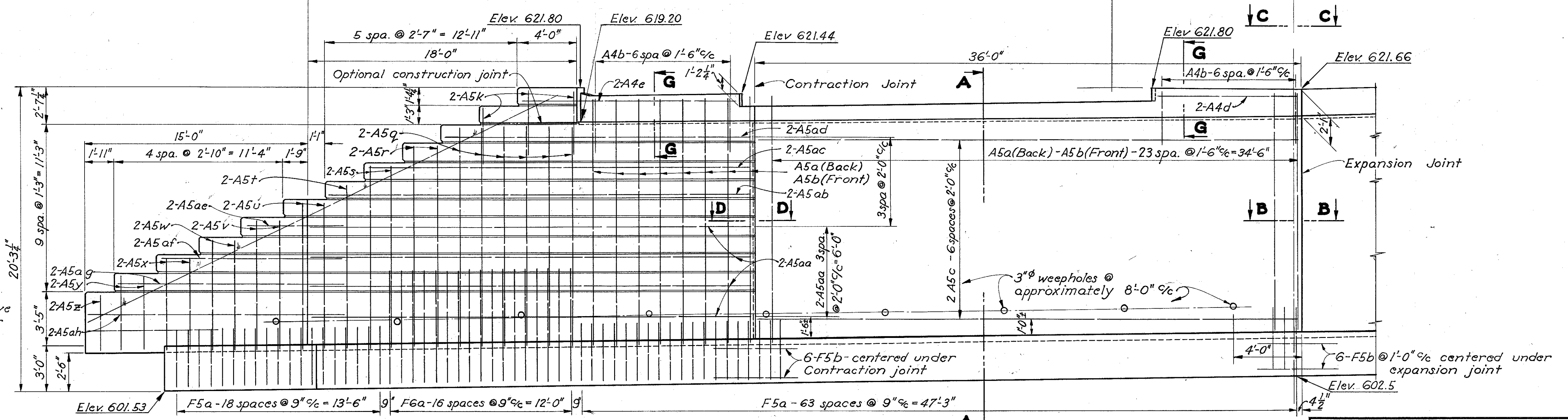
179
126

ROS-23-4.29

View A-A see sheet #169
View C-C see sheet #170
Section B-B see sheet #170
Section D-D see sheet #169
Rustication Detail see sheet #169



SECTION A-A
Piling not shown.



PARTIAL ABUTMENT ELEVATION

Longitudinal dimensions on face of wall.

Piling and footing reinforcement not shown. For details see sheet #173

Clearance between reinforcing steel and face of concrete shall be 2" unless otherwise shown.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES AND RAILROAD CROSSINGS

**EAST HALF OF REAR ABUTMENT
PLAN & ELEVATION**

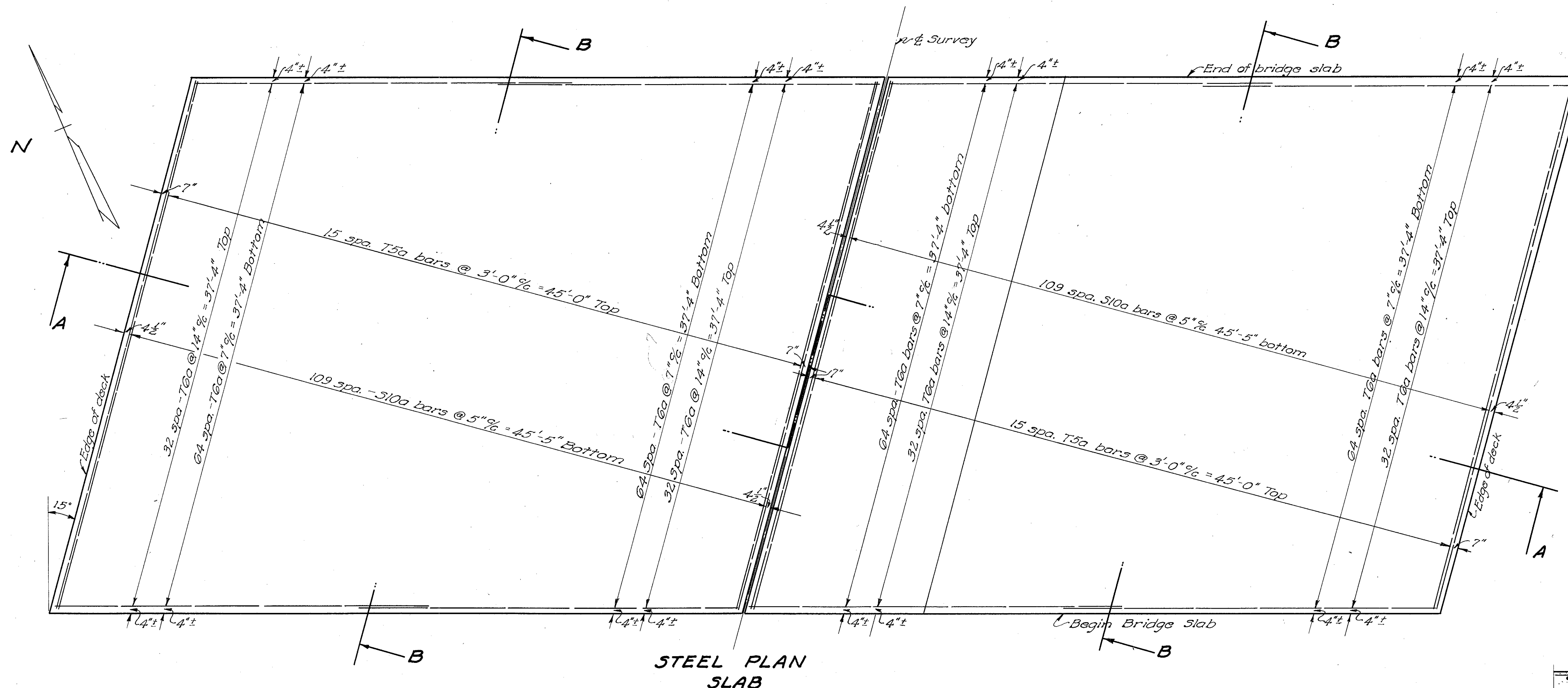
BRIDGE NO. RO-23-67
OVER NORTH BRANCH OF INDIAN CREEK

ROSS COUNTY
SEC. ROS-23-4.29

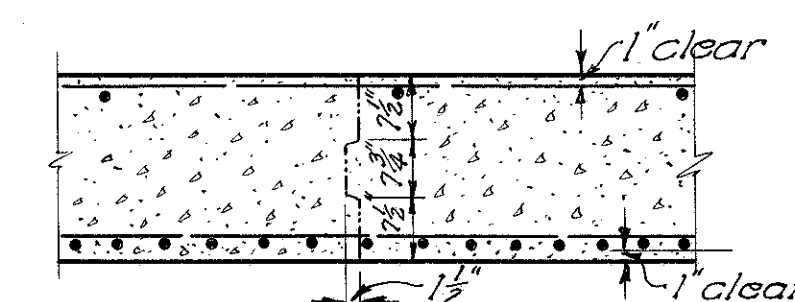
STA 356+11.00

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
R.H.L.	C.H.S.	D.H.S.	M.P.B.	BFG	12-22-53	

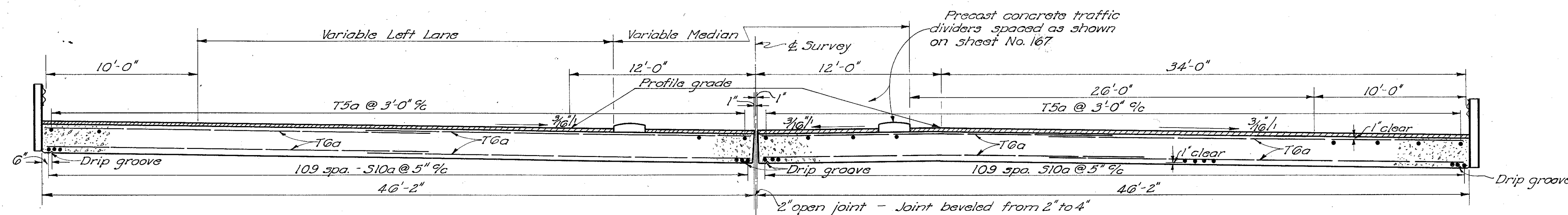
ROS-23-4.29



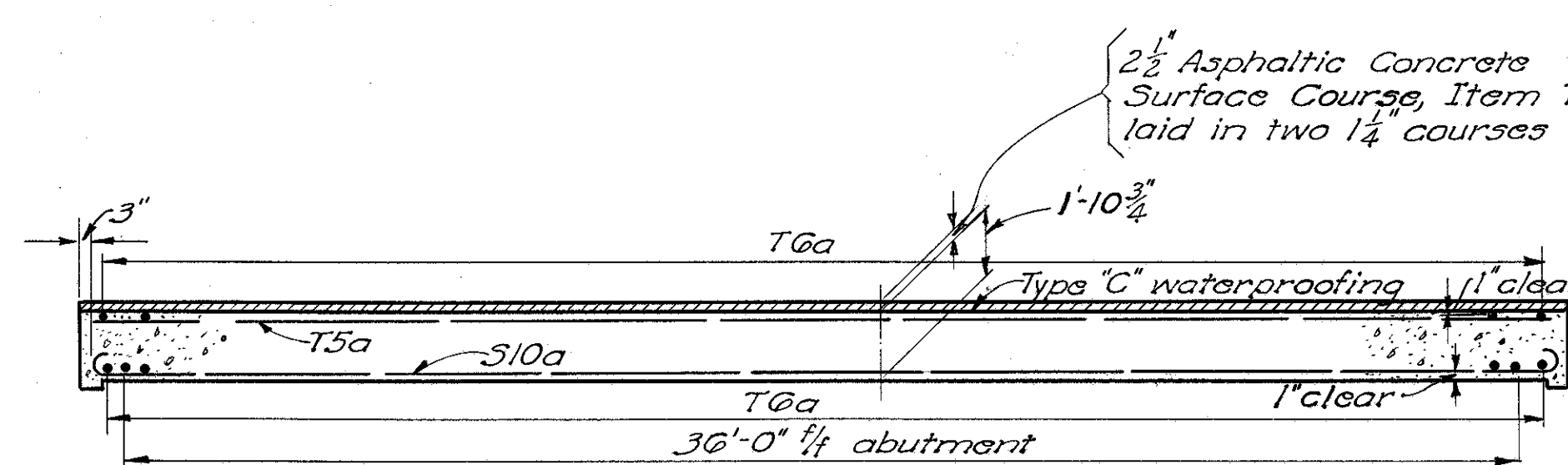
STEEL PLAN SLAB



LONGITUDINAL CONSTRUCTION JOINT (OPTIONAL)



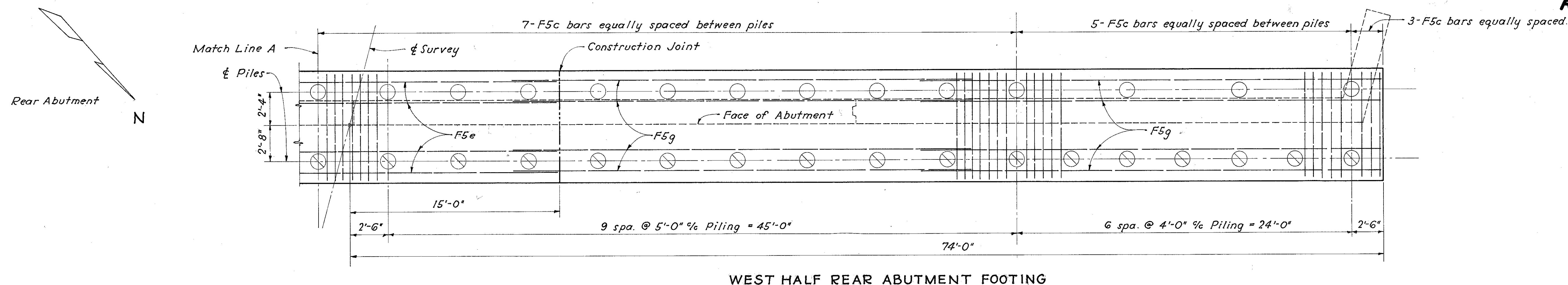
SECTION A-A



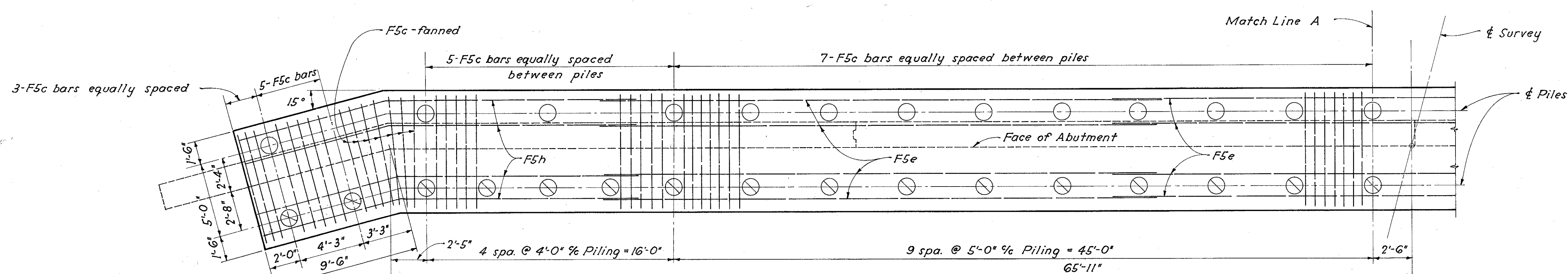
SECTION B-B

STATE OF OHIO DEPARTMENT OF HIGHWAYS BUREAU OF BRIDGES AND RAILROAD CROSSINGS					
SUPERSTRUCTURE DETAILS					
BRIDGE No. RO-23-67 OVER N. BRANCH OF INDIAN CR. ROSS COUNTY SEC. ROS-23-4.29					
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE
RHL 8.1.5	8.1.5	JDJ	M.F.B.	BFG	12-22-53

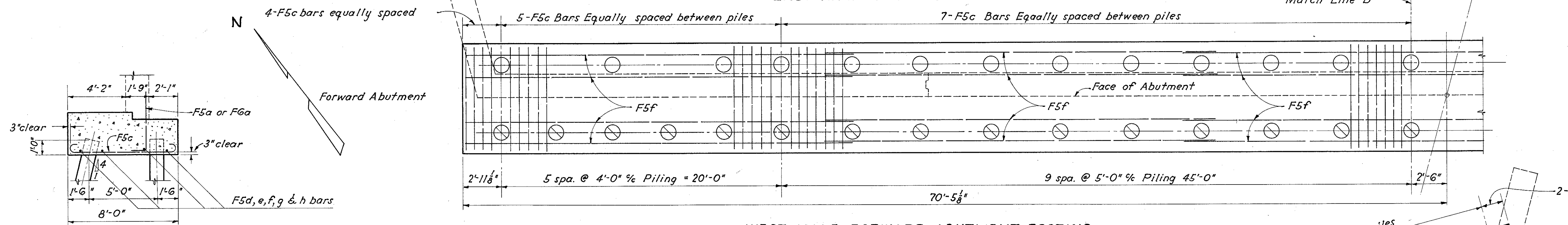
ROS-23-4.29



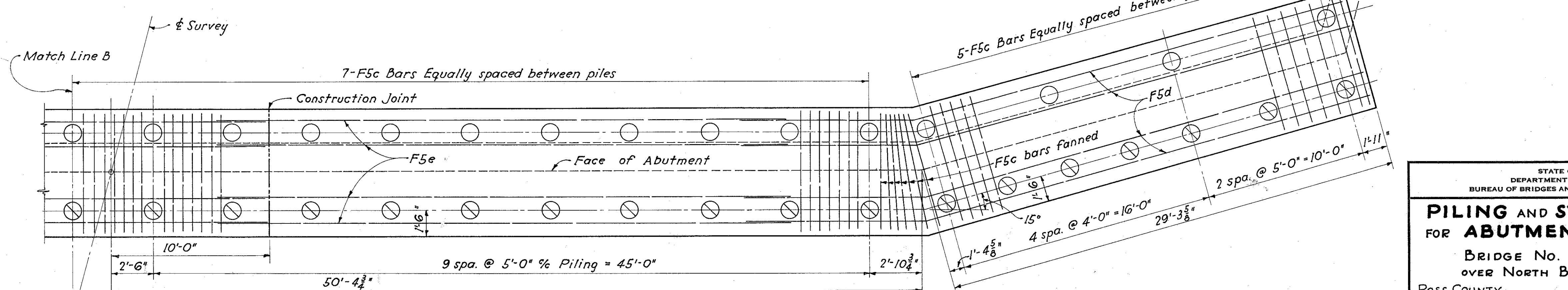
WEST HALF REAR ABUTMENT FOOTING



EAST HALF REAR ABUTMENT FOOTING



WEST HALF FORWARD ABUTMENT FOOTING



EAST HALF FORWARD ABUTMENT FOOTING

TYPICAL FOOTING SECTION

Reinforcing steel under contraction and expansion joints shown on Sheet #171. For vertical dowel bars in footings see spacing given on abutment wall detail sheets.

Note: Battered pile identification

Vertical pile identification