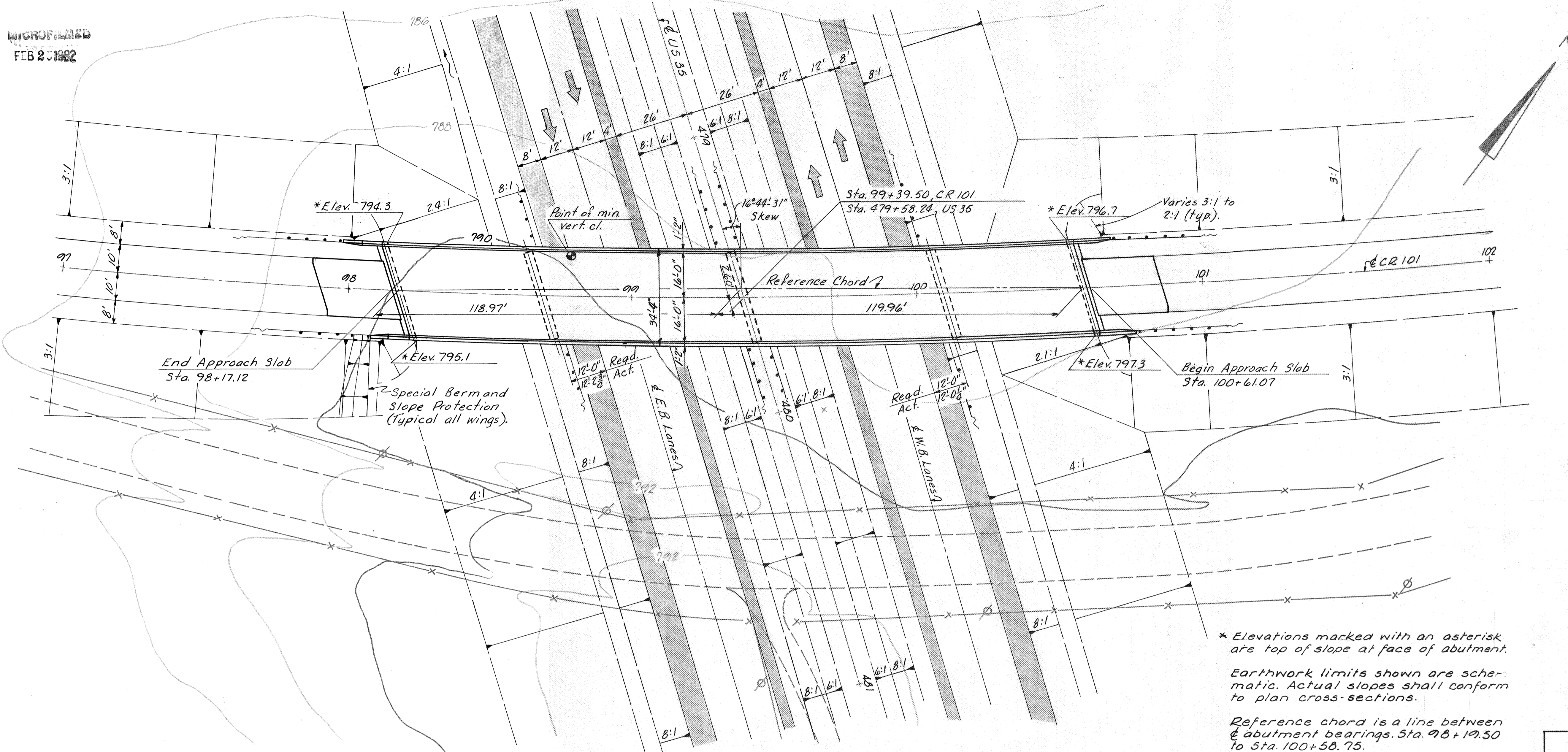


MICROFILMED  
FEB 2 1982

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

380  
433

ROSS COUNTY  
ROS-35-4.38



**PLAN**

Horizontal Curve Data

<u>US 35</u>	<u>CR 101</u>
PI: Sta. 467+24.91	PI: Sta. 99+99.68
Δ: 14°00'27"	Δ: 37°26'54"
Dc: 0°24'	Dc: 2°00'
R: 14,323.95'	R: 2864.79'
T: 1759.71'	T: 971.03'
L: 3501.88'	L: 1872.42'

The vertical curve data does not apply to bridge or graphic curve elevations. The bridge elevations were obtained by adding 1/2" to elevations obtained from vertical curve data.

Vertical Curve Data

CR 101  
PVI: Sta. 99+25  
V.C.: 780'  
Elev: 809.19  
Corr: -7.14'  
P.G.: 802.05  
g<sub>1</sub>: +4.76% , g<sub>2</sub>: -2.56%

\* Elevations marked with an asterisk are top of slope at face of abutment.

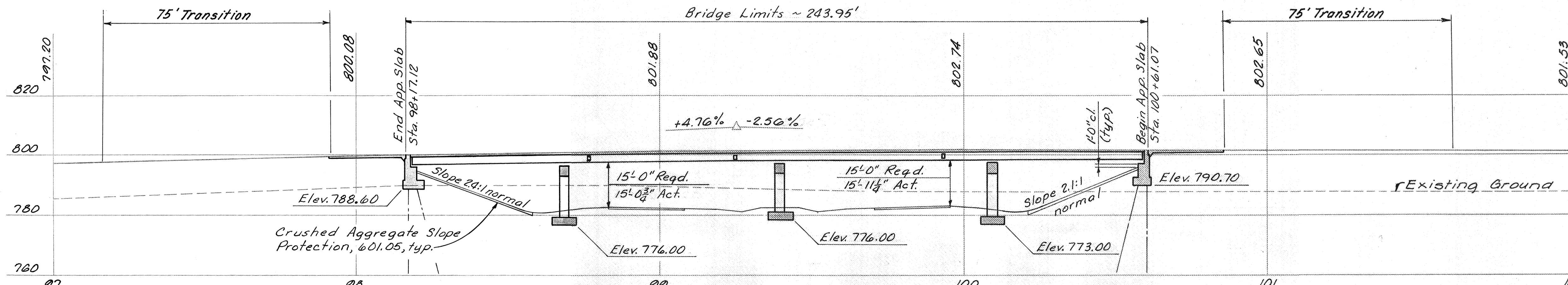
Earthwork limits shown are schematic. Actual slopes shall conform to plan cross-sections.

Reference chord is a line between abutment bearings. Sta. 98+19.50 to Sta. 100+58.75.

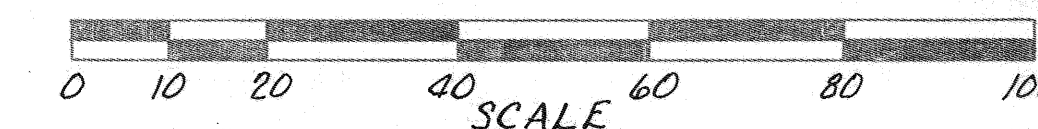
**PROPOSED STRUCTURE**

TYPE: Continuous steel beam with reinforced concrete deck and substructure.  
 SPANS: 49'-0", 71'-0", 70'-3", 49'-0"  
 C/c brg. along C/CR 101.  
 ROADWAY: 32'-0" ff concrete barrier type parapet.  
 LOADING: HS 20-44.  
 SURFACE COURSE: 1 1/2" Asphalt Concrete  
 SKEW: 16°44'31" Rt. Fwd with respect to Ref. Ch.  
 ALIGNMENT: 2'00" curve left.  
 APPROACH SLABS: A5-1-67, 25'-0" long.  
 SUPERELEVATION: 0.021 ft/ft.

All piling shall be 12" C.I.P. Reinf. Concrete.  
Estimated average pay length:  
Abutments ~ 25'



**PROFILE along CR 101**



1992 ADT ~ 1155 1/12

ALDEN E. STILSON & ASSOCIATES, LIMITED  
CONSULTING ENGINEERS  
COLUMBUS, OHIO

**SITE PLAN**

BRIDGE NO. ROS-35-0908  
US 35 UNDER CR 101  
ROSS COUNTY STA. 479+58.24

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
fwd	fwd	DW	OLM	JEV	8/11/69	

MICROFILMED  
FEB 25 1982

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

381  
433

ROSS COUNTY  
ROS-35-4.38

GENERAL NOTES

STANDARD DRAWING REFERENCES

DESCRIPTION	DWG. NO.	SHT.	DATE
END DAM AND END CROSSFRAME	SD-1-69	1-2	6-12-69
SCUPPERS	SD-1-69	3	6-12-69
BRIDGE ROADWAY RAILING	BR-1-67	1	10-15-71 R
ROCKERS AND BOLSTERS	RB-1-55		2- 2-59 R
APPROACH SLABS	AS-1-67		6-12-69 R

(R INDICATES REVISED DATE)

SUPPLEMENTAL SPECIFICATION REFERENCES

DESCRIPTION	NO.	DATE
CHEMICAL ADMIXTURE FOR CONCRETE, TYPE A, B OR D	808	1- 1-71
CONCRETE CURING AND PROTECTIVE MEMBRANE	836	1- 1-71

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE 'STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES' ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS, 1965, INCLUDING THE OHIO 'SUPPLEMENT' TO THESE SPECIFICATIONS.

DESIGN DATA

DESIGN LOADING - HS20-44  
 CONCRETE CLASS C - UNIT STRESS 1200 PSI FOR SUPERSTRUCTURE  
 UNIT STRESS 1333 PSI FOR SUBSTRUCTURE  
 STRUCTURAL STEEL - ASTM A36 - UNIT STRESS 20000 PSI  
 REINFORCING STEEL - ASTM A615, A616 OR A617 - UNIT STRESS 20000 PSI.  
 IF BARS IN ACCORDANCE WITH ASTM A616 ARE PROVIDED THEY SHALL BE SUBJECT TO BEND TESTS AS PER AASHTO DESIGNATION M42-70. SPIRAL REINFORCEMENT MAY BE PLAIN BARS ASTM A82, A306, A499 OR A615.

EMBANKMENT CONSTRUCTION

THE EMBANKMENTS SHALL BE CONSTRUCTED TO THE LEVEL OF THE SUBGRADE FOR A MINIMUM DISTANCE OF 200 FEET BACK OF THE ABUTMENTS. EXCAVATION SHALL THEN BE MADE FOR THE ABUTMENTS.

PILES

PILES SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF-  
 45 TONS PER PILE FOR THE ABUTMENTS

FOUNDATION BEARING PRESSURE

PIER FOOTINGS ARE DESIGNED FOR A MAXIMUM BEARING PRESSURE OF 2.5 TONS PER SQUARE FOOT.

DECK FINISHING: Texturing of the deck surface as provided in 451.09 shall not be done.

DECK REINFORCING BARS: At the Contractor's option, a portion (not to exceed 25% of the upper longitudinal bars (S4001 & S4002)) in the deck slab may be placed beneath the upper transverse bars for support of the top mat.

ESTIMATED QUANTITIES

ITEM	TOTAL	UNIT	DESCRIPTION	ABUTS.	PIERS	SUPER.	GENERAL		
503	LUMP	SUM	COFFERDAMS, CRIBS AND SHEETING				LUMP		
503	440	C.Y.	UNCLASSIFIED EXCAVATION	210	230				
505	LUMP	SUM	TEST PILE				LUMP		
507	500	L.F.	12 INCH CAST-IN-PLACE REINFORCED CONCRETE PILES	500					
509	111484	LB	REINFORCING STEEL	11272	25847	74365			
511	290	C.Y.	CLASS C CONCRETE, SUPERSTRUCTURE			290			
511	85	C.Y.	CLASS C CONCRETE, ABUTMENTS ABOVE FOOTINGS	85					
511	66	C.Y.	CLASS C CONCRETE, PIER CAPS AND COLUMNS		66				
511	127	C.Y.	CLASS C CONCRETE, FOOTINGS	60	67				
513	197500	LB	STRUCTURAL STEEL				197500		
514	197500	LB	FIELD PAINTING OF STRUCTURAL STEEL				197500		
518	42	C.Y.	POROUS BACKFILL	42					
518	57	L.F.	6 INCH PERFORATED, HELICAL CMP, 707.01	57					
518	86	L.F.	6 INCH NON-PERFORATED, HELICAL CMP, INCLUDING SPECIALS, 707.01	86					
518	5	EA	SCUPPERS INCLUDING SUPPORTS				5		
601	400	S.Y.	CRUSHED AGGREGATE SLOPE PROTECTION				400		
808	290	UNIT	CHEMICAL ADMIXTURE FOR CONCRETE, TYPE A, B OR D				290		
404	22	Cu. Yd.	Asphalt Concrete (70-85 or AC 20)				22		
Special	11	Cu. Yd.	Sand Asphalt (See Proposal Note)				11		
Special	812	Sp. Yd.	Membrane Waterproofing (See Proposal Note)				812		

ALDEN E. STILSON & ASSOCIATES, LIMITED  
 CONSULTING ENGINEERS  
 CLEVELAND, OHIO COLUMBUS, OHIO WHEELING, W. VA.

GENERAL NOTES AND  
 ESTIMATED QUANTITIES  
 BRIDGE NO. ROS-35-0908  
 US 35 UNDER CR 101

ROSS COUNTY STA. 479+58.24

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
PHB			RT		3-27-70	fnd 4/15/70



MICROFILMED  
FEB 25 1982

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

383  
433

ROSS COUNTY  
ROS-35-4.36

**NOTES**

All piles shall be 12"  $\phi$  Cast-In-Place Reinforced Piles.

$\odot$  indicates battered 1:4  
 $\bullet$  indicates vertical

Reinforcing steel location:  
N.S. indicates near side  
F.S. indicates far side

Top of backwall shall conform to the roadway crown.

\*Elevations marked with an asterisk are to top of 2" edge bar.

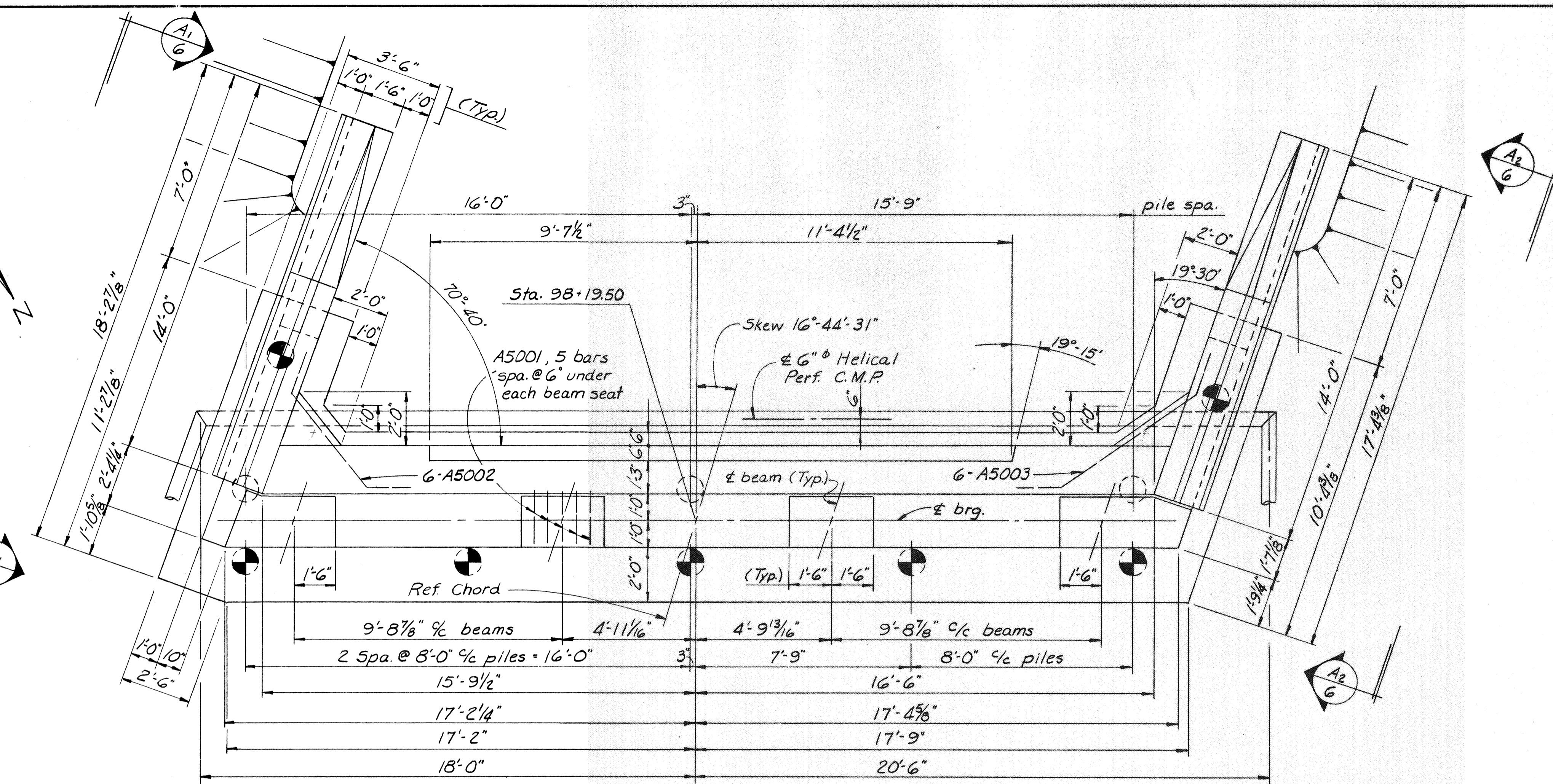
Porous backfill, full length of abutment and wings, shall extend up to the subgrade or to the bottom of the approach slab.

All reinforcing in footings shall have 3" minimum cover.

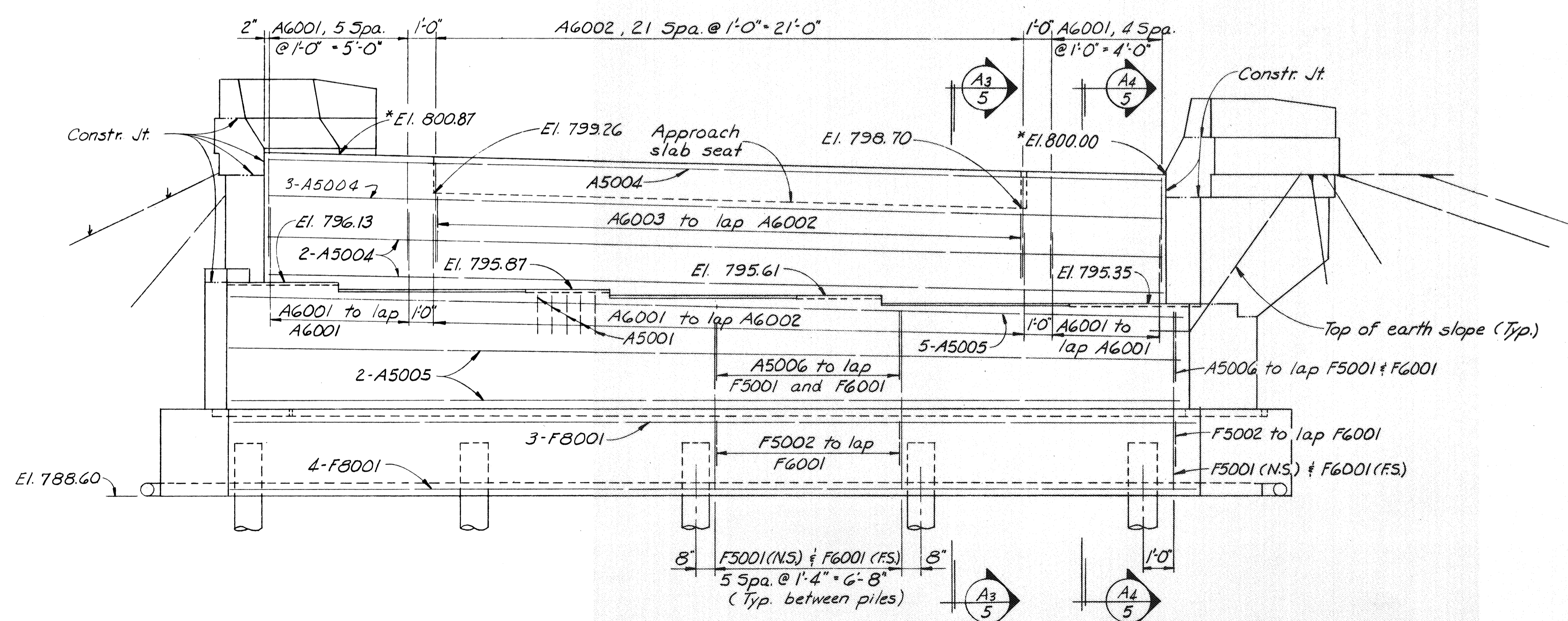
Adjustable type elbows meeting specification requirements for gage and coating are acceptable for making bends in corrugated metal pipe.

Only that portion of the C.M.P. located in the porous backfill shall be perforated.

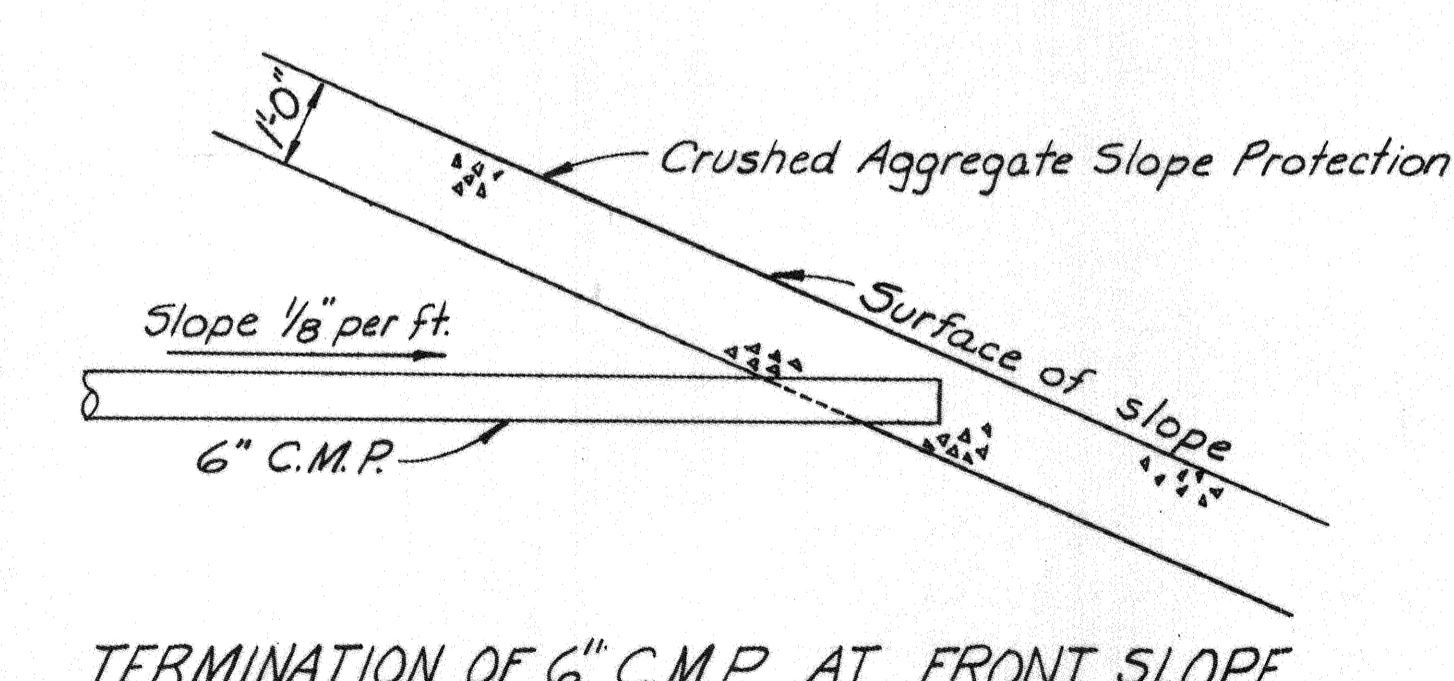
For additional details see sheets 56/12.



PLAN



ELEVATION



TERMINATION OF 6" C.M.P. AT FRONT SLOPE

ALDEN E. STILSON & ASSOCIATES, LIMITED CONSULTING ENGINEERS CLEVELAND, OHIO COLUMBUS, OHIO WHEELING, W. VA.						
SOUTH ABUTMENT DETAILS						
BRIDGE NO. ROS-35-0908 US 35 UNDER CR 101						
ROSS COUNTY STA. 479+58.24						
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
PHB	RT		RT	fwd	4-15-70	

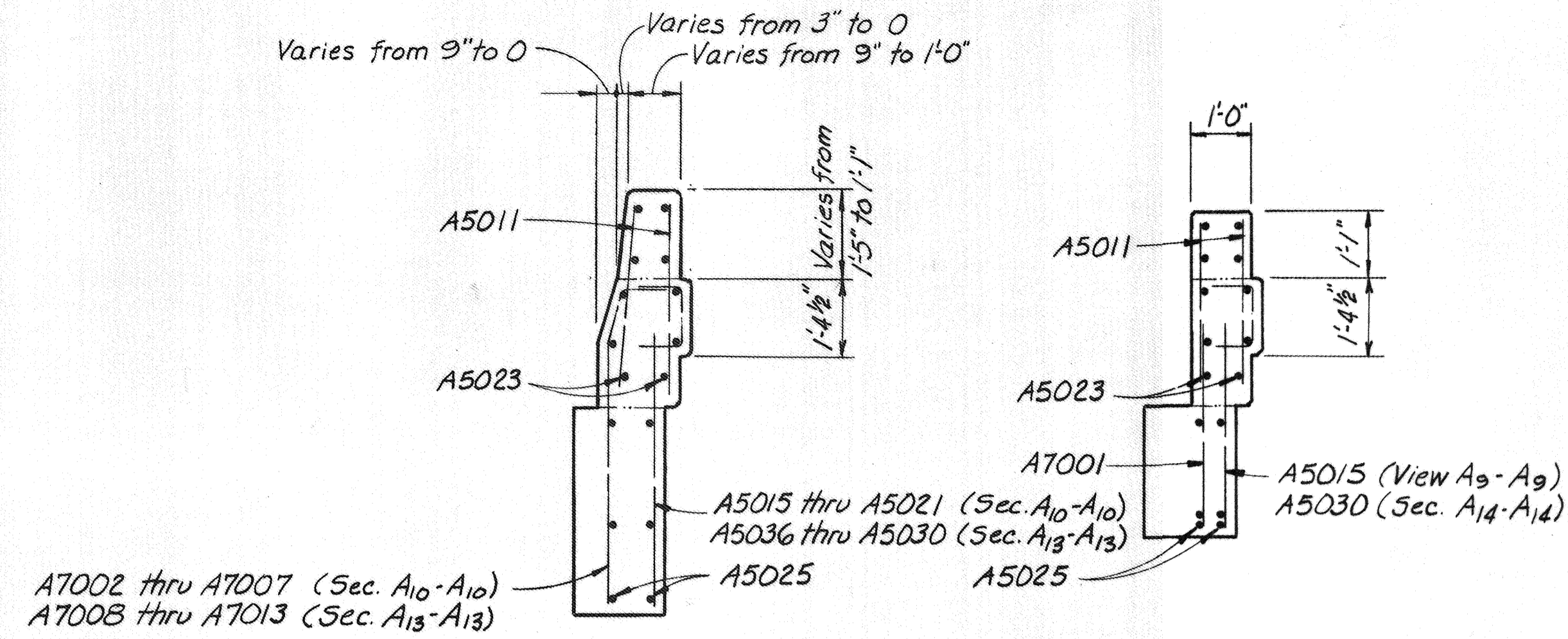


MICROFILMED  
FEB 25 1982

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS	385 433
2	OHIO			

ROSS COUNTY  
ROS-35-4.38

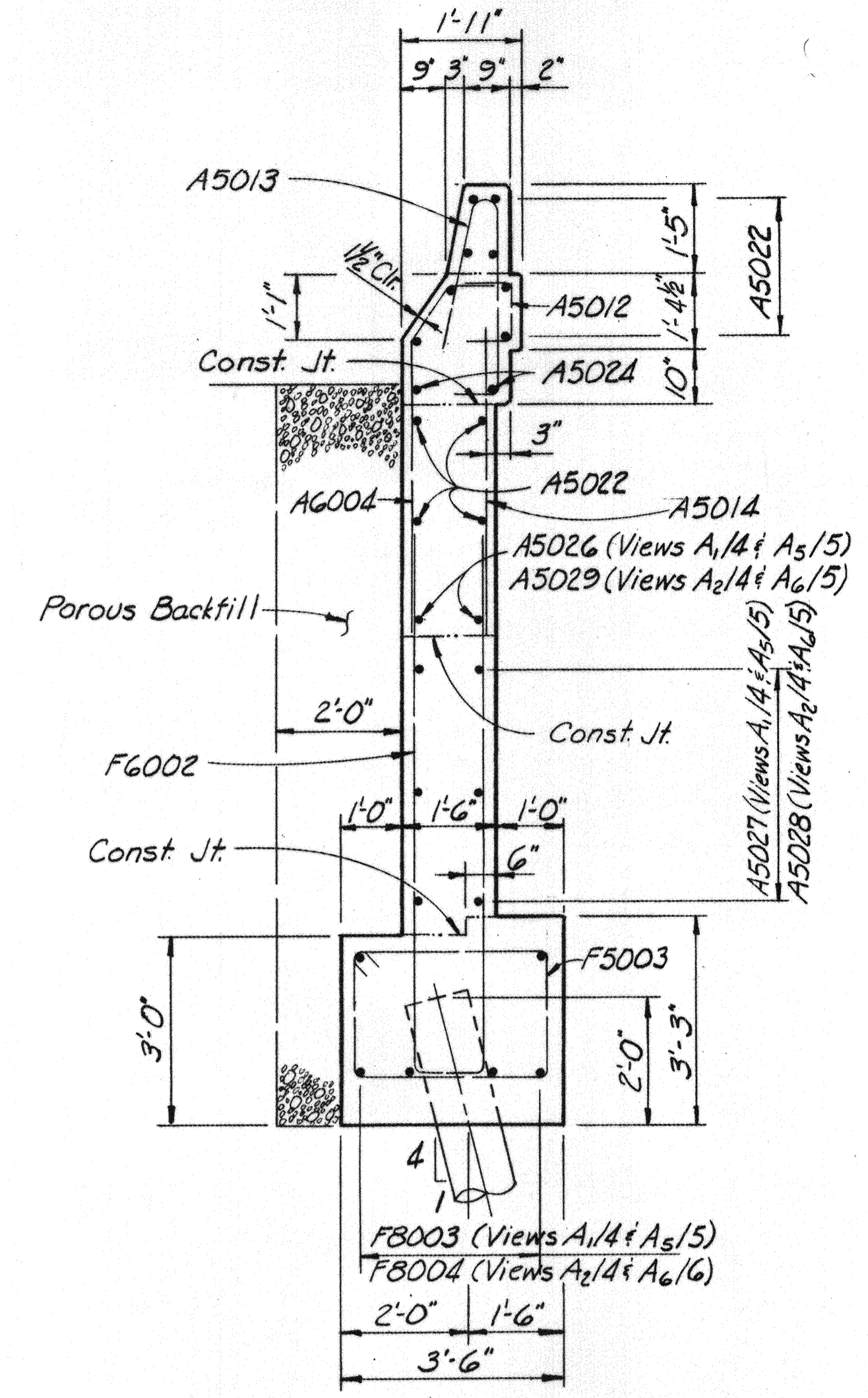
EI.	S.E. Wing	S.W. Wing	N.W. Wing	N.E. Wing
A	799.65	798.77	801.51	802.11
B	799.94	799.08	801.53	802.16
C	797.48	796.60	799.34	799.94
D	796.13	795.35	797.77	798.35
E	795.95	794.58	797.54	797.73
F	788.60	788.60	790.70	790.70



SECTION A10-A10 & A13-A13

VIEW A9-A9  
SECTION A14-A14

Reinforcing and dimensions not shown or labeled same as Sections A11-A11 & A12-A12

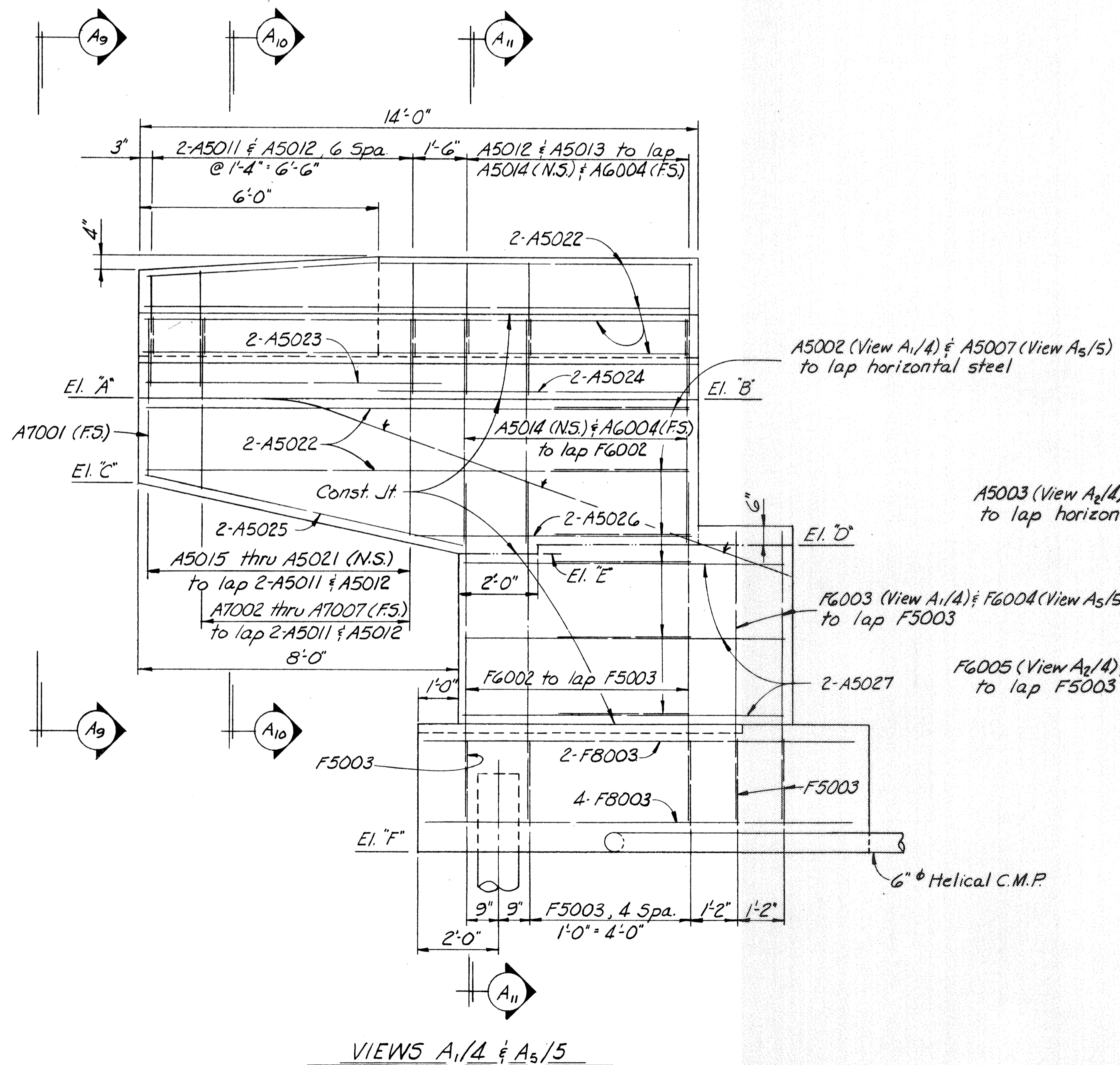


SECTION A11-A11 & A12-A12

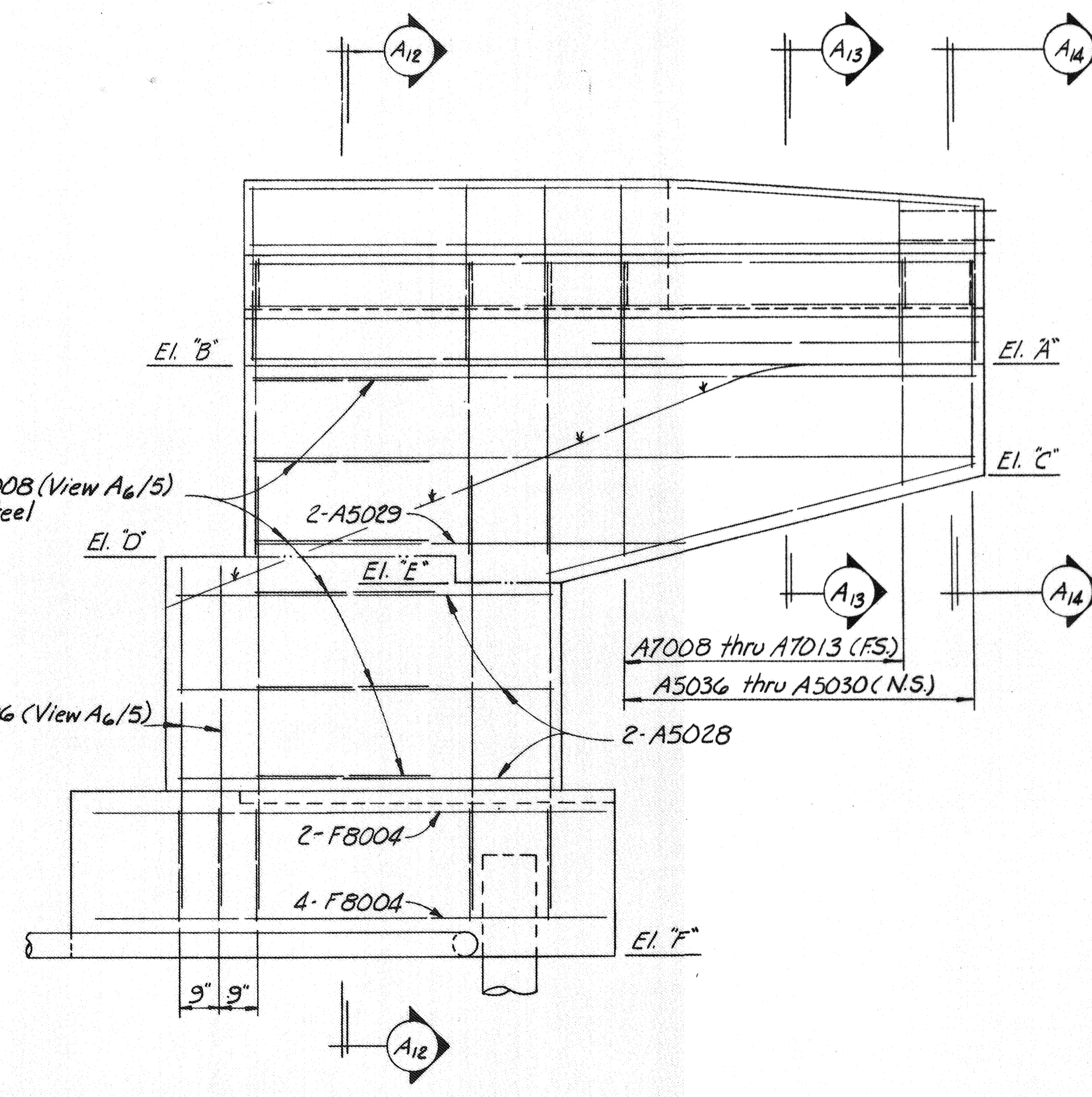
Reinforcing steel location  
N.S. indicates near side  
F.S. indicates far side

For additional notes and details see sheets 4 & 5/12

Parapet Transitions and Wingwall Ends shall be as shown on Std. Dwg. BR-1-67 revised 10-15-71. Reinforcing steel shall be field bent or cut to fit the revised shape.



VIEWS A1/4 & A5/5



VIEWS A2/4 & A6/5

Reinforcing and dimensions not shown or labeled same as Views A1/4 & A5/5.

ALDEN E. STILSON & ASSOCIATES, LIMITED  
CONSULTING ENGINEERS  
CLEVELAND, OHIO COLUMBUS, OHIO WHEELING, W. VA.

**ABUTMENT DETAILS**

BRIDGE NO. ROS-35-0908  
US 35 UNDER CR 101  
ROSS COUNTY STA. 479+58.24

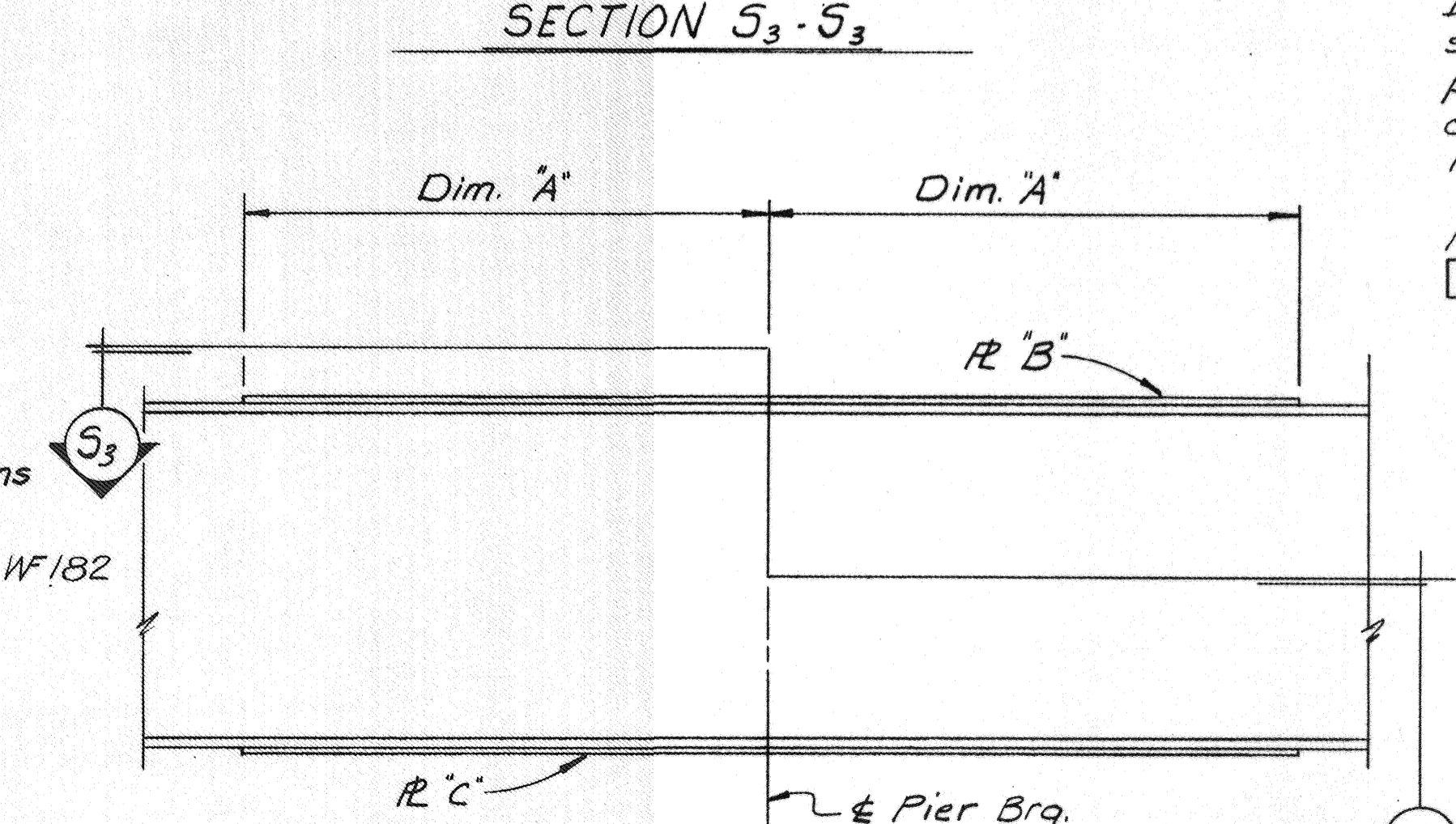
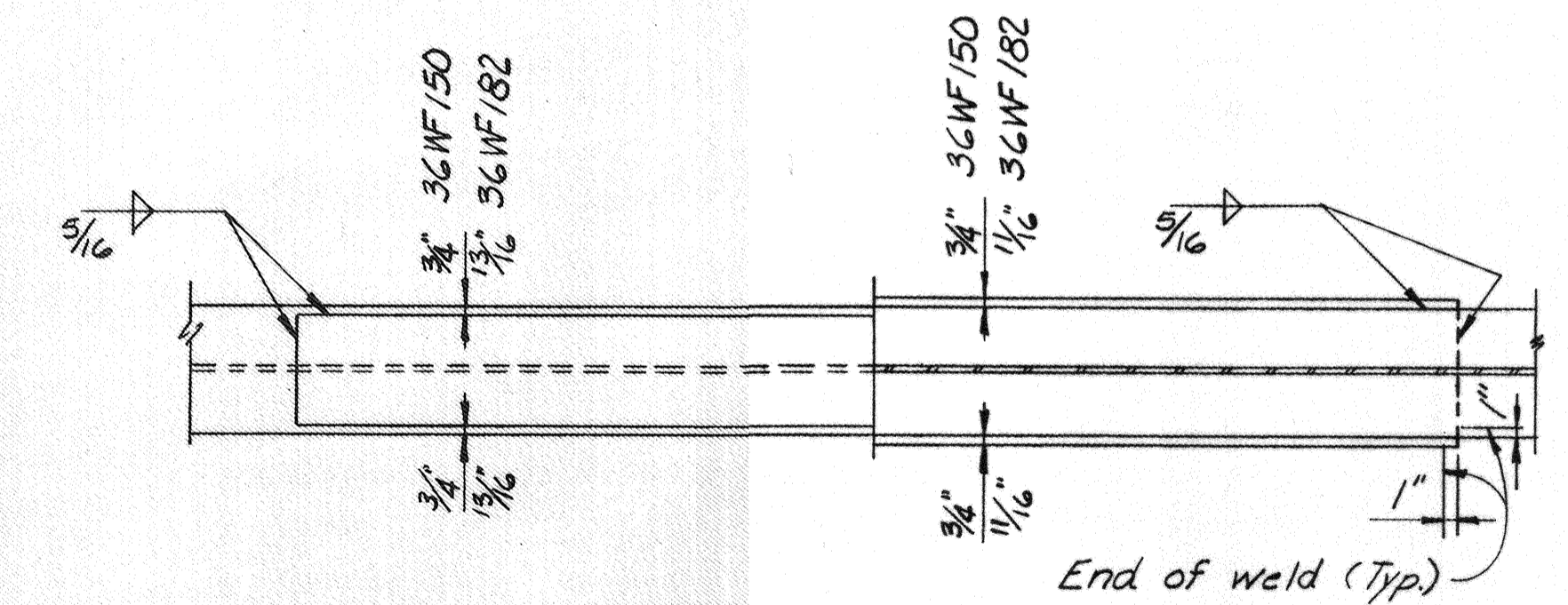
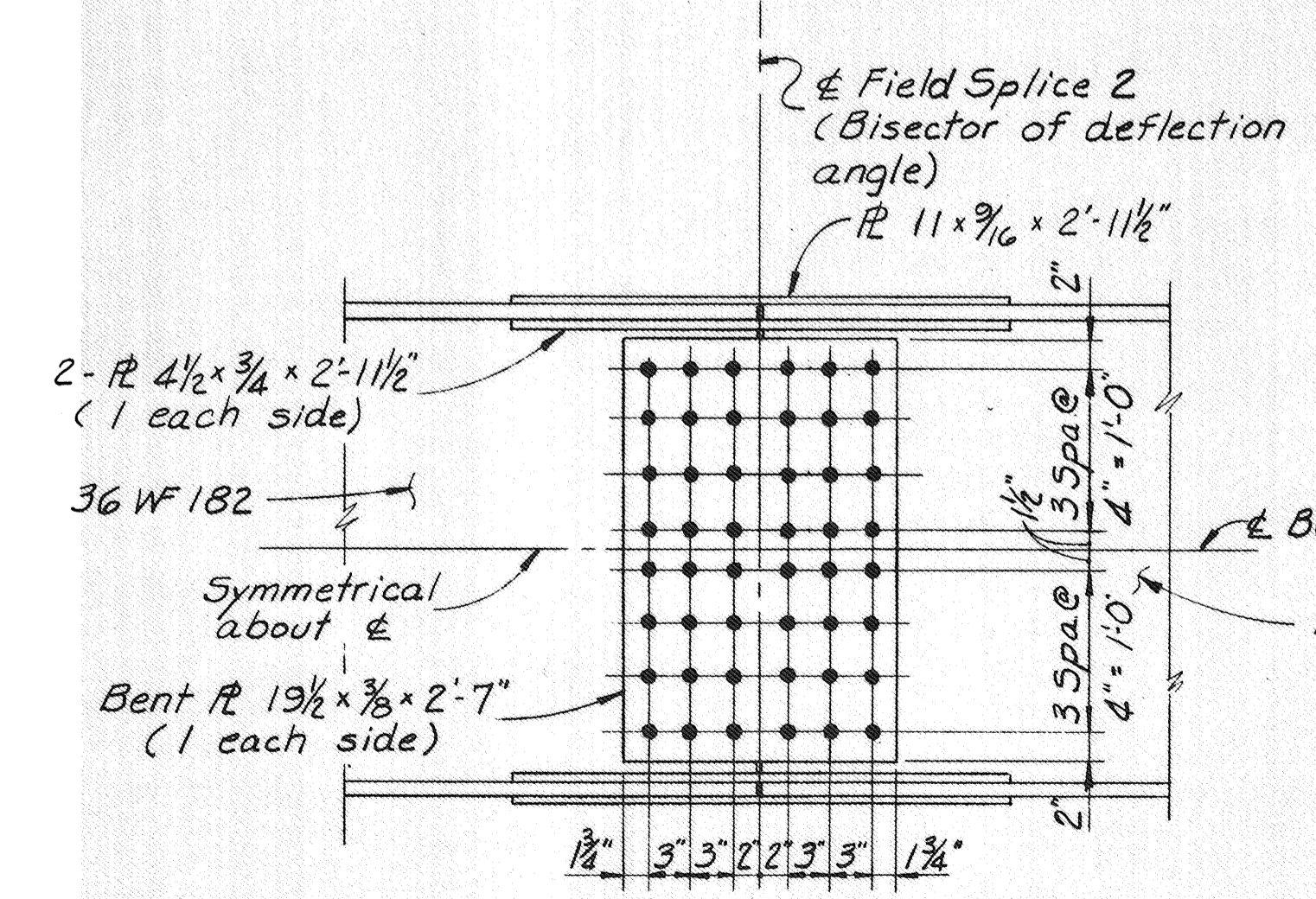
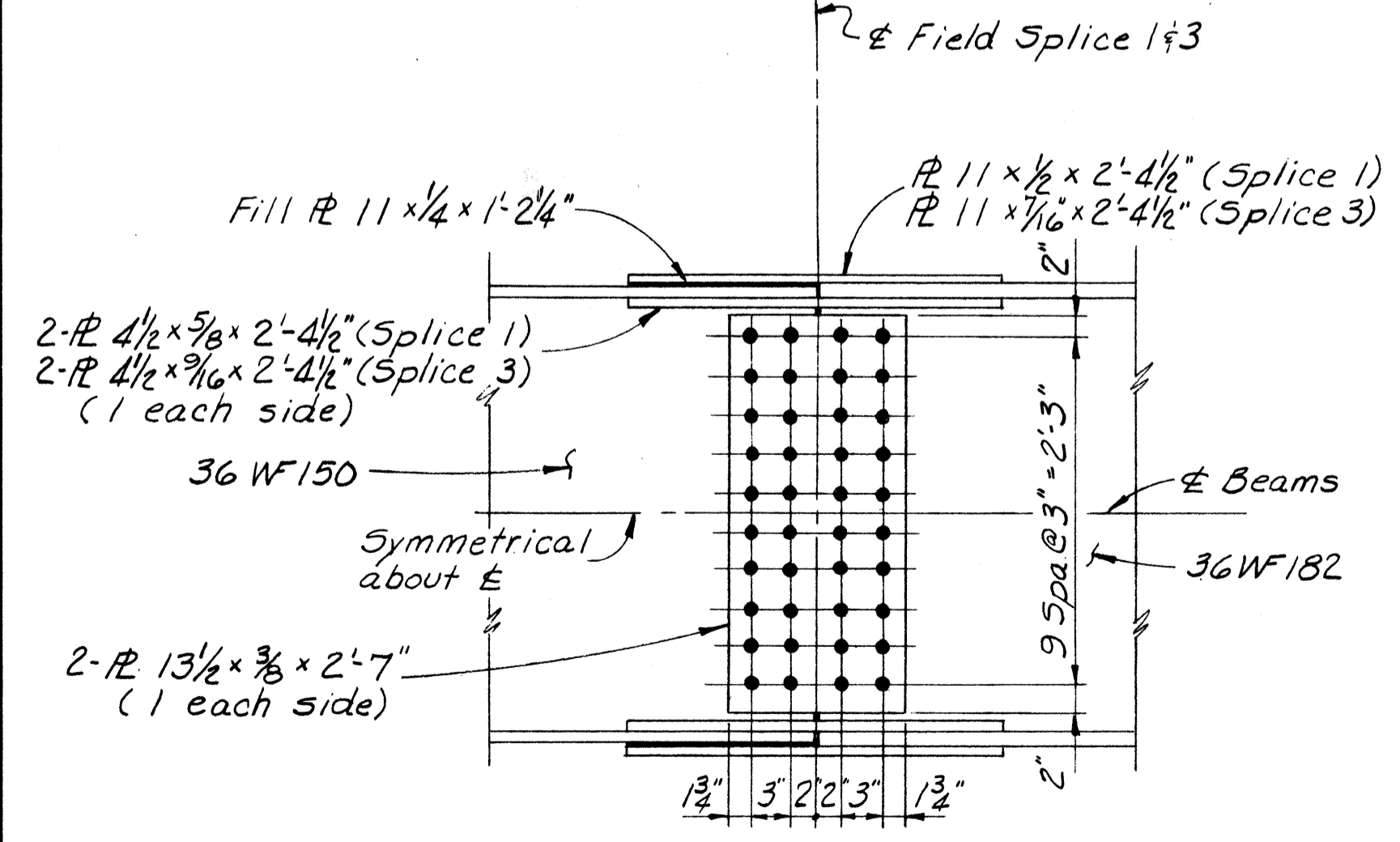
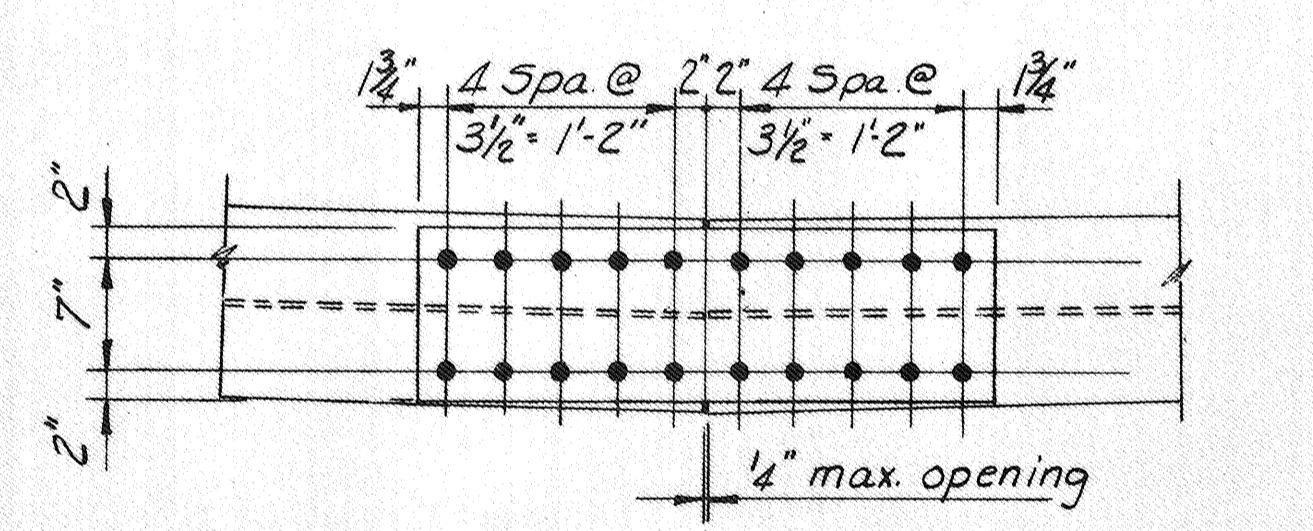
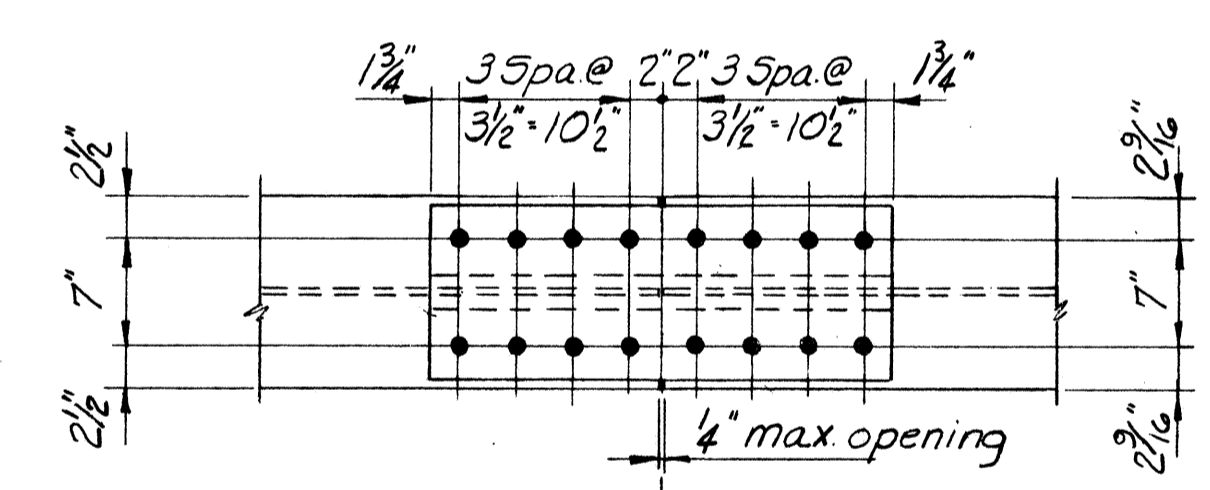
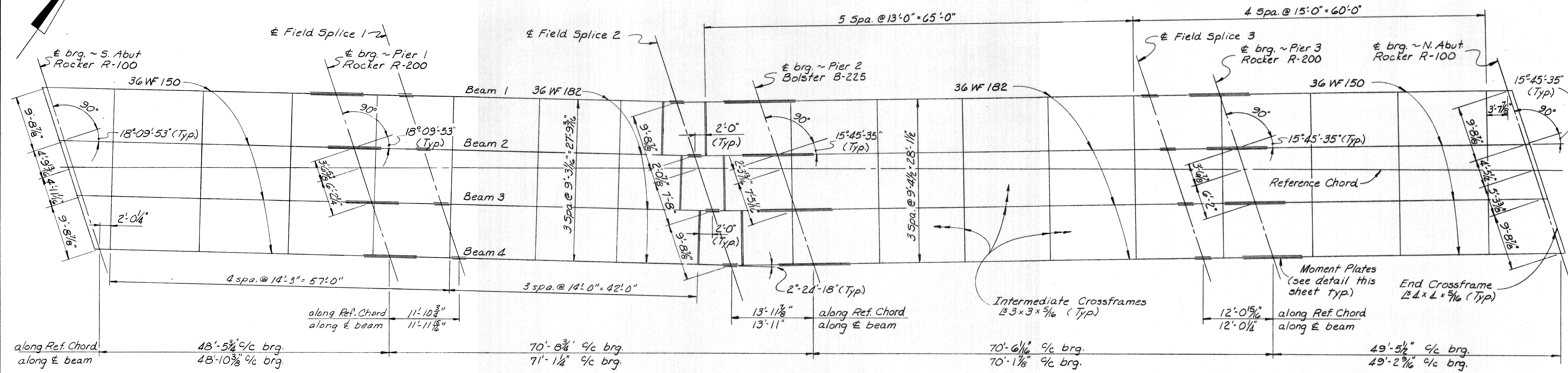
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
PHB	RT		RT		fwd 4-15-70	







MICROFILMED  
FEB 25 1982



Pier	Dim. A'	R B'	R C'
1	4'-0"	10 1/2 x 7/16	13 1/2 x 1/2
2	6'-0"	10 1/2 x 3/4	13 1/2 x 9/16
3	5'-0"	10 1/2 x 1/2	13 1/2 x 1/2

**NOTES**

- Place bearing devices normal to E beams at substructure units.
- Place intermediate crossframes normal to E beams.
- End Crossframes, Curb Plates, and Steel End Dam shall conform to Std. Dwg. 50-1-69.
- Intermediate crossframes shown as double lines shall be 2-4 x 4 x 3/8. These crossframes shall be placed immediately upon completion of all bolting of adjacent field splices before stress is induced into these splices.
- For additional notes and details see sheets 9711/12.

**Notes**

Bolts shall be 1" high strength.

Bolt heads shall be placed on fascia side of exterior beams and bottom side of bottom flanges.

ALDEN E. STILSON & ASSOCIATES, LIMITED  
CONSULTING ENGINEERS  
CLEVELAND, OHIO    COLUMBUS, OHIO    WHEELING, W. VA.

**SUPERSTRUCTURE DETAILS**

BRIDGE NO. ROS-35-0908  
US 35 UNDER CR 101  
ROSS COUNTY      STA. 479+58.24

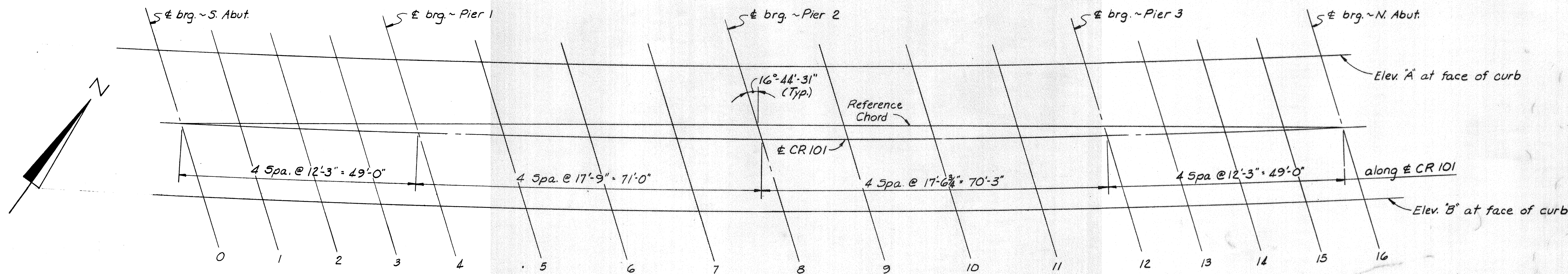
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
PHB	RT		RT	FWD	4-15-70	

MICROFILMED  
FEB 25 1982

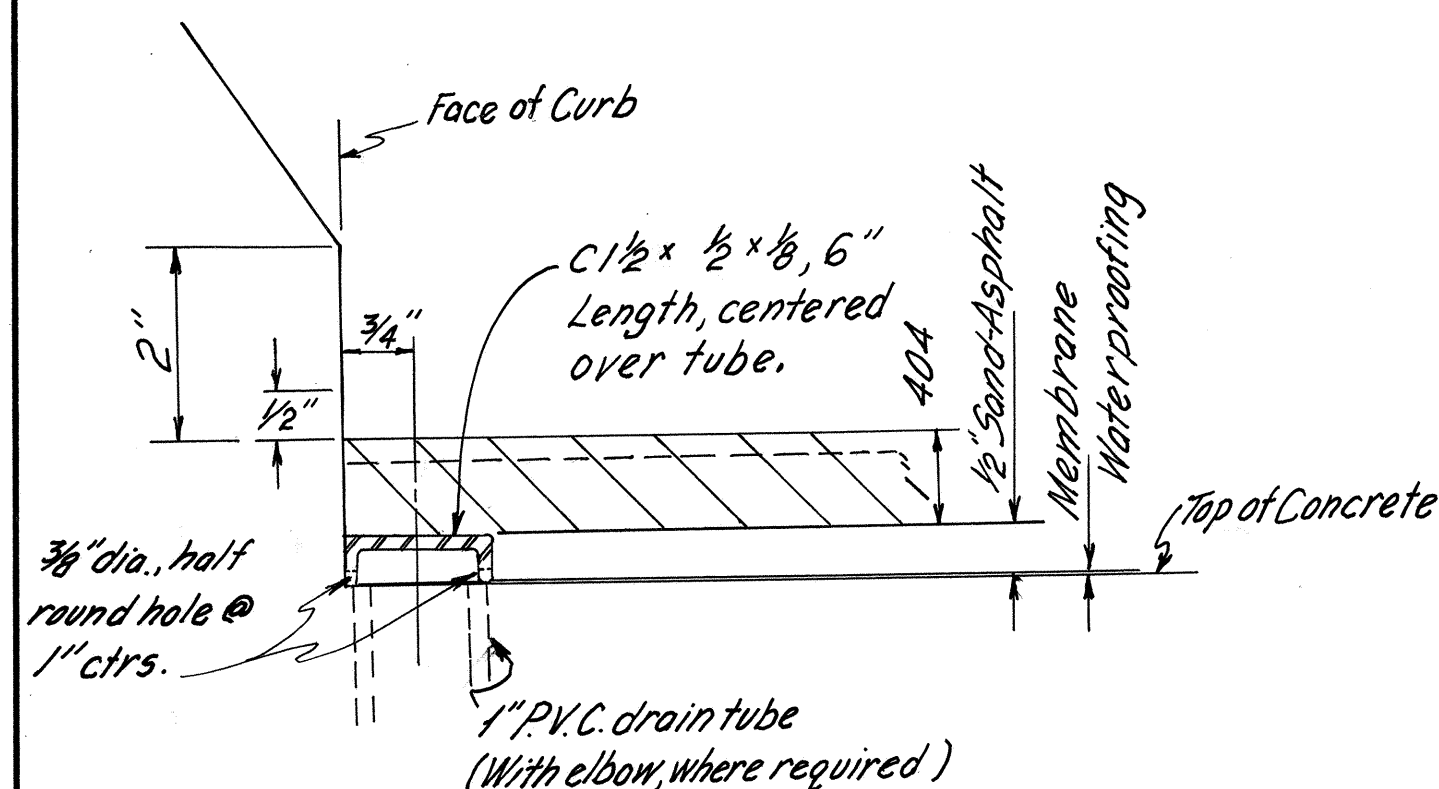
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

390  
433

ROSS COUNTY  
ROS-35-4.38



SCREED PLAN



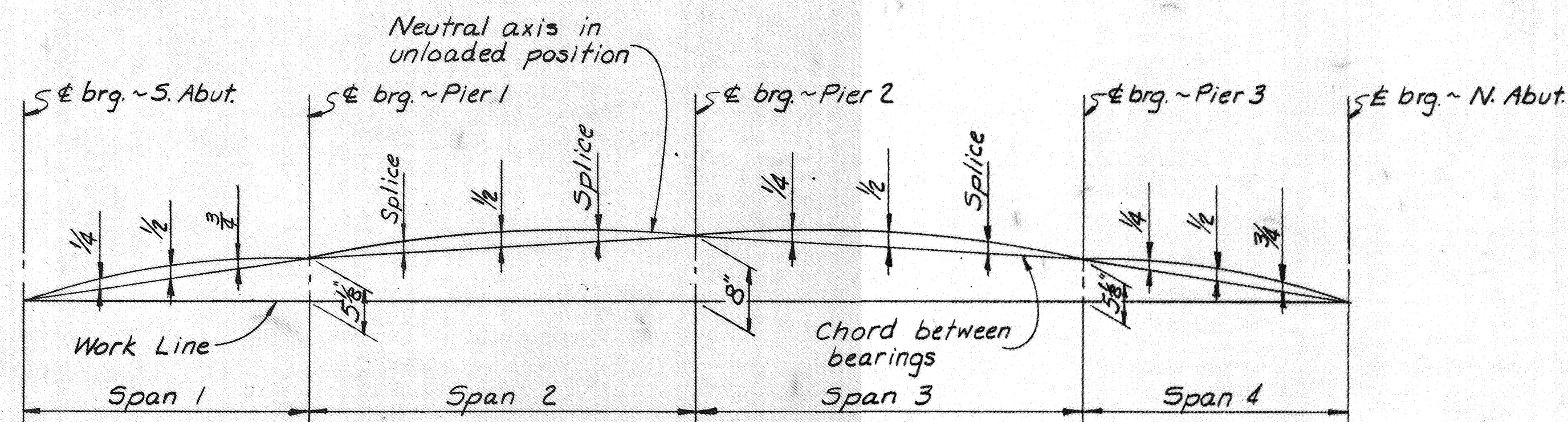
**SUB DRAINAGE and SURFACE COURSE DETAILS**

In addition to the location and spacing provisions of 518.07, the PVC subdrainage tubes shall be located so that discharge from them will clear all structural members, such as crossbracing, conduit support angles and diaphragms, by at least 6". Place the top of the tube flush with the concrete surface. Place membrane over tube, puncturing it membrane is a sheet type, with the hole sealed around the lip of the tube.

Include subdrainage with item 404, Asphalt Concrete, for payment.

Line	Elev. "A"	Elev. "B"
0	799.94	800.80
1	800.20	801.05
2	800.45	801.28
3	800.66	801.48
4	800.88	801.68
5	800.18	801.97
6	801.45	802.22
7	801.66	802.40
8	801.84	802.57
9	802.02	802.73
10	802.17	802.87
11	802.26	802.94
12	802.31	802.98
13	802.35	803.01
14	802.39	803.03
15	802.39	803.02
16	802.37	803.00

Screed elevations are at top of reinforced concrete slab before the concrete deck is placed. Proper allowance has been made for the dead load deflection due to the weight of the concrete.



CAMBER AND BLOCKING DIAGRAM

Camber Description	DEFLECTION AND CAMBER											
	Span 1			Span 2			Span 3			Span 4		
	1/4	1/2	3/4	Spl.	1/2	Spl.	1/4	1/2	Spl.	1/4	1/2	3/4
Defl. due to weight of steel	0	1/16	0	0	1/16	0	0	1/16	0	0	1/16	0
Defl. due to rem. dead load	1/8	3/16	1/16	3/16	1/8	1/4	1/16	3/16	1/16	3/16	1/8	1/8
Adjustment due to curvature	1/4	5/16	1/4	1/2	3/4	9/16	1/2	5/8	3/8	1/4	5/16	1/4
Required shop camber	3/8	9/16	5/16	11/16	11/4	11/16	3/4	11/8	9/16	5/16	9/16	3/8

For additional notes and details see sheets 9 & 10/12.

11/12

ALDEN E. STILSON & ASSOCIATES, LIMITED  
CONSULTING ENGINEERS  
CLEVELAND, OHIO COLUMBUS, OHIO WHEELING, W. VA.

**SUPERSTRUCTURE DETAILS**

BRIDGE NO. ROS-35-0908  
US 35 UNDER CR 101  
ROSS COUNTY STA. 479+58.24

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
PHB	RT		RT		fwd 4-15-70	

MARK	NUM.	LENGTH	WEIGHT	TYPE	A	B	C	D	E	NOTE
ABUTMENTS										
A 5001	40	4-11	205	1		1- 6	2- 2	1- 6		
A 5002	6	7- 7	47	16			0-11	4- 5	1- 4	
A 5003	6	9- 1	57	16			1- 3	6- 0	0-11	
A 5004	8	32- 0	267	ST						
A 5005	9	34- 3	322	ST						
A 5006	49	8- 4	426	1		2- 7	3- 5	2- 7		
A 5007	6	7- 8	48	16			1- 0	4- 6	1- 3	
A 5008	6	8- 9	55	16			1- 3	5- 7	1- 0	
A 5009	8	31- 2	260	ST						
A 5010	9	33- 4	313	ST						
A 5011	56	3- 0	175	ST						
A 5012	52	2- 1	113	1		0- 8	1- 0	0- 8		
A 5013	24	6- 2	154	19		2- 5	3- 0	0- 8		
A 5014	24	4-10	121	ST						
A 5015	2	3- 2		ST						1
THRU			57		VARY	LENGTH BY		0- 3		
A 5021	2	4- 8		ST						1
A 5022	48	13- 8	684	ST						3
A 5023	8	7- 3	60	ST						
A 5024	8	8- 0	67	ST						
A 5025	8	8- 3	69	ST						
A 5026	4	6-10	29	ST						
A 5027	12	7-10	98	ST						
A 5028	12	7- 3	91	ST						
A 5029	4	8- 2	34	ST						
A 5030	2	3- 2		ST						1
THRU			61		VARY	LENGTH BY		0- 4		
A 5036	2	5- 2		ST						1
A 6001	87	9- 5	1231	1		4- 2	1- 5	4- 2		
A 6002	43	6- 3	404	1		2-10	0-11	2-10		
A 6003	43	6- 9	436	1		2-10	1- 5	2-10		
A 6004	24	6- 4	228	15		4- 6	0-11	0- 9	0- 9	
A 7001	4	3- 0	25	ST						
A 7002	2	4- 9		15		3- 2	0-11	0- 9	0- 2	1
THRU			132		VARY	LENGTH BY		0- 3		
					VARY	DIM. B BY		0- 2	3/ 8	
					VARY	DIM. E BY		0- 1	3/ 8	
A 7007	2	6- 0		15		4- 2	0-11	0- 9	0- 9	1
A 7008	2	6- 3		15		4- 5	0-11	0- 9	0- 9	1
THRU			135		VARY	LENGTH BY		0- 3	5/ 8	
					VARY	DIM. B BY		0- 3		
					VARY	DIM. E BY		0- 1	3/ 8	
A 7013	2	4- 9		15		3- 2	0-11	0- 9	0- 2	1
F 5001	49	6- 8	341	1	0- 8	6- 2				
F 5002	49	8- 3	422	1	1- 7	5- 4	1- 7			
F 5003	32	10- 7	353	3	2- 0	3- 0	2- 0	3- 0		
F 6001	49	13- 9	1012	1		6- 2	5- 4	2- 7		
F 6002	24	17-10	643	1		8- 6	1- 2	8- 6		
F 6003	2	14- 6	44	1		7- 1	1- 2	6- 7		
F 6004	2	13- 8	41	1		6- 8	1- 2	6- 2		
F 6005	2	12- 6	38	1		5-10	1- 2	5-10		
F 6006	2	14- 4	43	1		6- 9	1- 2	6- 9		
F 8001	7	34- 7	646	ST						
F 8002	7	33- 9	631	ST						
F 8003	12	10- 7	339	ST						
F 8004	12	9-10	315	ST						

MARK	NUM.	LENGTH	WEIGHT	TYPE	A	B	C	D	E	NOTE
PIERS										
P 4001	2	13- 9	529	17	NO.TURNS= 40				NO.SPACERS= 8	6
P 4002	2	18- 2	679	17	NO.TURNS= 51				NO.SPACERS= 8	6
P 4003	2	14- 8	557	17	NO.TURNS= 42				NO.SPACERS= 8	6
P 5001	60	5- 5	339	1		1- 6	2- 8	1- 6		
P 5002	6	32- 4	202	ST						
P 6001	240	8- 8	3124	1		3- 2	2- 8	3- 2		
P 9001	10	32- 4	1099	ST						
P10001	16	16- 9	1153	ST						
P10002	16	21- 2	1457	ST						
P10003	5	32- 4	696	ST						
P11001	19	38- 0	3836	1		3- 2	32- 4	3- 2		
P11002	9	32- 4	1546	ST						
P11003	18	17- 8	1690	ST						
F 5004	42	6- 6	285	ST						
F 5005	21	8- 0	175	ST						
F 7001	44	6- 6	585	ST						
F 9001	22	8- 0	598	ST						
F 9002	8	31- 9	864	ST						
F10001	32	6- 7	906	1	1- 2	5- 9				
F10002	32	31- 9	4372	ST						
F11001	18	1- 6	143	ST						
F11002	6	31- 9	1012	ST						
SUPERSTRUCTURE										
S 4001	315	30- 0	6313	ST						
S 4002	45	39- 0	1172	ST						
S 4003	132	28- 6	2513	ST						
S 5001	322	5- 4	1791	19	0- 8	2- 5	2- 2			
S 5002	322	2- 1	700	1		0- 8	1- 0	0- 8		
S 5003	322	3- 3	1091	15	0- 8	0-10	0-11	0- 9	0- 9	
S 5004	322	2- 2	728	1	0- 8	1- 8				
S 5005	424	30- 0	13267	ST						
S 5006	53	13- 0	719	ST						
S 5007	112	13- 8	1596	ST						
S 5008	48	7- 1	355	ST						
S 7001	6	6- 6	80	ST						
S 7002	2	8- 7		ST						1
THRU			801		VARY	LENGTH BY		2- 5	3/ 8	
S 7011	2	30- 7		ST						1
S 7012	616	33- 8	42390	ST						
S 7013	2	30- 7		ST						1
THRU			784		VARY	LENGTH BY		2- 6	1/ 2	
S 7022	2	7- 9		ST						1
S 7023	6	5- 4	65	ST						

MARK	NUM.	LENGTH	WEIGHT	TYPE	A	B	C	D	E	NOTE
REPLACEMENT STEEL FOR SPIRALS										
RE 4001	1	6- 3			5	1- 3 1/2		6- 3		
REPLACEMENT STEEL										
RE 4002	1	6- 3		ST						
RE 5001	2	6- 7		ST						
RE 6001	1	6-10		ST						
RE 7001	3	7- 2		ST						
RE 8001	1	7- 6		ST						
RE 9001	1	7-10		ST						
RE10001	1	8- 2		ST						
RE11001	1	8- 6		ST						

ROSS COUNTY  
ROS-35-4.38

MICROFILMED  
FEB 25 1982

NOTES

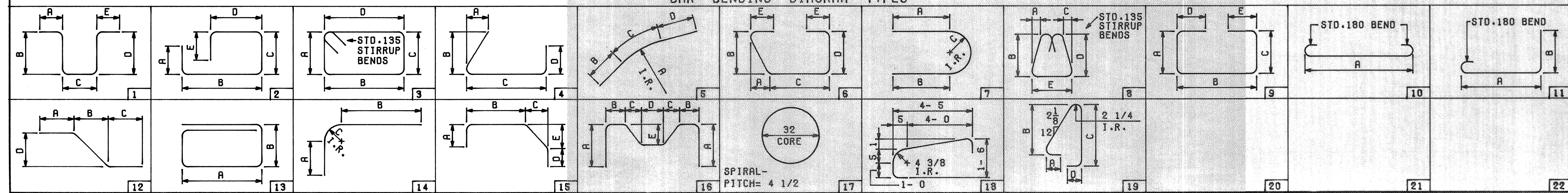
- INDICATES SERIES BAR. EACH BAR VARIES FROM ADJACENT BAR(S) BY TABULATED AMOUNT(S), CALCULATED TO NEAREST 1/8 INCH. WEIGHT SHOWN IS FOR ENTIRE SERIES UTILIZING AVERAGE LENGTH.
- ~~BARS INCLUDED WITH ITEM 517, RAILING, FOR PAYMENT.~~
- COST OF FIELD BENDING SHALL BE INCLUDED WITH ITEM 509.
- ~~LIGHT POLE SUPPORT BARS INCLUDED WITH ITEM 509 FOR PAYMENT.~~
- ~~END PREPARATION AND FIELD WELDING INCLUDED WITH ITEM 509.~~
- 'LENGTH' SHOWN FOR SPIRAL BARS IS DISTANCE FROM TOP OF FOOTING TO BOTTOM OF PIER CAP. 'NO. TURNS' SHOWN IS 'LENGTH' DIVIDED BY PITCH, PLUS 3 TURNS (NUMBER OF CLOSED COILS), EXPRESSED AS NEAREST WHOLE NUMBER.

ALL BARS SHALL NOT HAVE DEFOR-  
MATIONS AND SHALL BE DAMAGED  
REPAIRS SHALL BE TO THE  
SATISFACTION OF THE ENGINEER.  
1 1/2 CLOSED  
COILS SHALL BE PROVIDED AT ENDS OF  
EACH SPIRAL UNIT. FOUR STEEL CHANNEL,  
TEE OR ANGLE SPACERS, WEIGHING  
APPROXIMATELY 0.80 LB. PER LIN. FT.  
OF SPACER SHALL BE PROVIDED FOR EACH  
SPIRAL UNIT. THEY SHALL BE EQUALLY  
SPACED ALONG PERIPHERY OF COIL.  
WEIGHT OF SPACERS, AT 0.80 LB. PER  
LIN. FT. WILL BE PAID FOR AS  
REINFORCING STEEL AND IS INCLUDED IN  
TABULATED WEIGHT.

BAR SIZE DESIGNATION

BAR SIZE IS INDICATED IN THE BAR MARK.  
THE FIRST DIGIT WHERE FOUR DIGITS ARE  
USED, AND FIRST TWO DIGITS WHERE FIVE  
DIGITS ARE USED, INDICATE THE BAR SIZE  
NUMBER. FOR EXAMPLE, A7001 IS A NO. 7  
SIZE BAR AND A10140 IS A NO. 10 SIZE.

BAR BENDING DIAGRAM TYPES



ALDEN E. STILSON & ASSOCIATES, LIMITED CONSULTING ENGINEERS CLEVELAND, OHIO COLUMBUS, OHIO WHEELING, W. VA.				
REINFORCING STEEL LIST				
BRIDGE NO. ROS-35-0908 US 35 UNDER CR 101				
ROSS COUNTY		STA. 479+58.24		
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED
AHB			RT	fnd 4/15/70