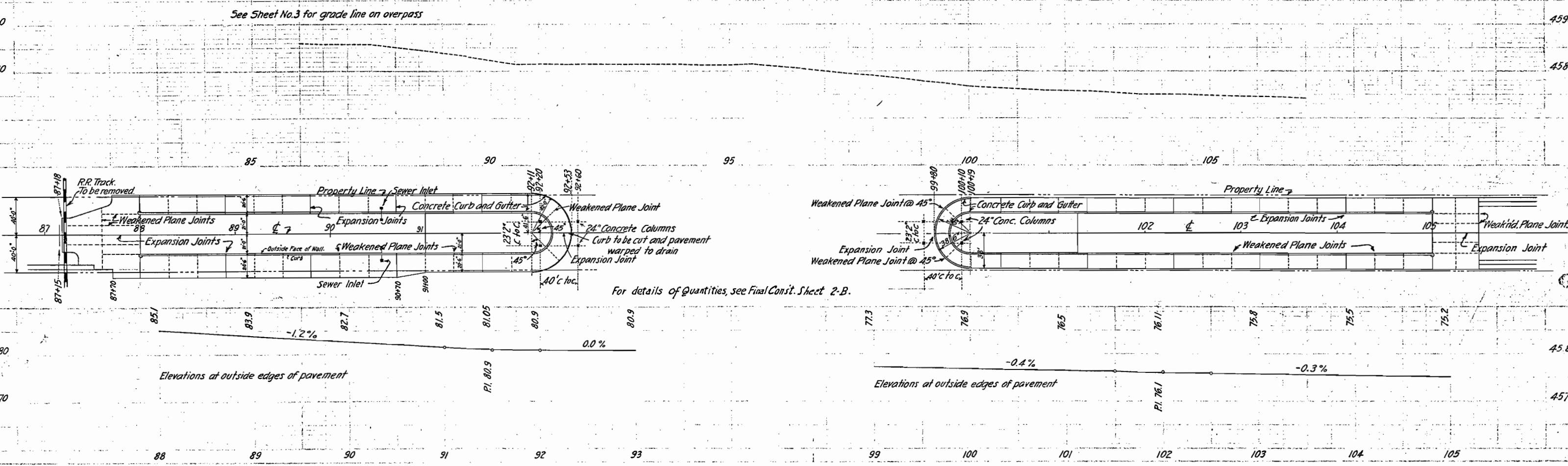
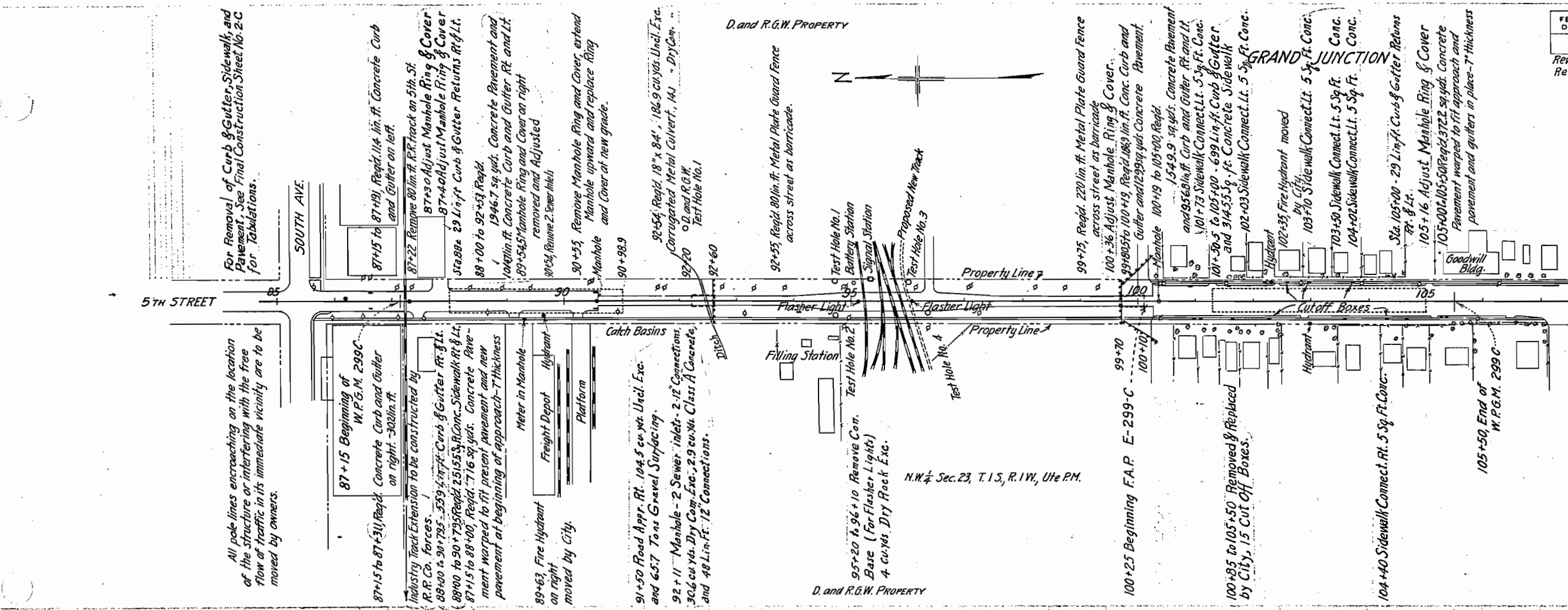


Selected Material for the construction of filled approaches was found to be available as indicated in the following tabulation. Selected Material is classified and paid for as Unclassified Excavation.

Material Placed	Quantity Cu. Yds.	Source	Overhaul	
			Sta. Yds.	Yd. Mi.
Sta. 88+00 to 100+25	57.5	Pit No. 2	632.5	16.0
	53.8	Pit No. 3	613.8	79.8
	3668.1	Pit No. 4	40349.1	5611.6
Sta. 100+25 to 105+00	2612.0	Pit No. 1	28732.0	3389.6
	184	Pit No. 2	2024	3.6
	6109	Pit No. 3	6712.9	738.8
Totals 4 Pits	7022.7		77249.7	9839.4



For details of Quantities, see Final Const. Sheet 2-B.

D. & R. G.
O
T. H. #1

Present Tracks

T.H.

51

of

24. #3

Note : See sheet No. 2A for Plan and Profile showing additional details

Rev. 5-7-36-E.W.T. Elect. Conduit Quantities.
Rev. 9-12-36-As per Work Order No. 975 J.D.B.
REV. 3-15-37: F.W.D. $\frac{1}{4}$ " Expansion Joint Material
Included in Summary of Quant. per W.O. No. 987.
Rev. 4-2-37: W.G.S. Changed $\frac{1}{4}$ " Exp. Jnt. Mtl.
quantities to lin. ft. in Summary.

FED. ROAD DIST. NO.	STATE	W.P.G.M. Proj. No.	SHEET NO.	TOTAL SHEETS
3	COLO.	299-C	3	

Revised Dec. 12-1935 A.G.K. Changed Reinf. Steel & Piling Quantities in Abutments
H.W.V. Changed Class A Concrete
Quantities for Panels.

5

1

ht C

+

1

1

enz

me

2" Light Conduit

Bronze Name Plate

350' Y.C.

350' Y C

Sta. 105 + 50 End of Proj.

95 GENERAL 96 LAYOUT

SUMMARY OF QUANTITIES FOR ENTIRE STRUCTURE STA. 88+00 TO 105+00

	DESCRIPTION	UNIT	SUPER-STRUCT.	ABUTS. 1826	PIERS 2 to 11 16 to 25	PIERS 12 & 15	PIERS 13 & 14	NORTH APP. WALLS	SOUTH APP. WALLS	NORTH APP. PAVEMENT	SOUTH APP. PAVEMENT	TOTALS	UNIT	ITEM NO.
	UNCLASSIFIED EXCAVATION	CU.YD.			55.4							7022.7	CU.YD.	13c
	DRY ROCK EXCAVATION (STR.)	CU.YD.											CU.YD.	14a
	DRY COMMON EXCAVATION (STR.)	CU.YD.		300.4	1055.0	134.4	183.1	1534.6	1280.2			4481.7	CU.YD.	14b
	WET ROCK EXCAVATION (STR.)	CU.YD.											CU.YD.	14c
	WET COMMON EXCAVATION (STR.)	CU.YD.											CU.YD.	14d
	STATION YARD OVERHAUL	STA.YD.			610.5	1.87	2.42			40758.3	35441.9	77249.7	STA.YD.	18a
	YARD MILE OVERHAUL	YD.MI.			32.5	4.9	6.4			5567.8	4227.8	9839.4	YD.MI.	18b
	SAND CUSHION	CU.YD.								85	105	190	CU.YD.	37c
	CLASS "A" CONCRETE	CU.YD.	1153	173.4	802.5	117.2	142.3	710	751	79.4	218.0	4246.8	CU.YD.	46a
	REINFORCING STEEL 1 1/2% Overrun Included	LBS.	179357	12833	91629	14414	14845	51744	40245	9312	10677	475056	LBS.	47
	STRUCTURAL STEEL 1 1/2% Overrun Included	LBS.	982158	110	2142	325	390					985125	LBS.	48
	TREATED TIMBER PILING	LIN.FT.			371.6	4277.5	567.6	697.4	1902.2	3666.0		91148.2	LIN.FT.	60a
	PILING CUT-OFF TREATED	LIN.FT.			211.5	758.9	57.8	24.7	330.1	992.7		92375.7	LIN.FT.	60c
	CONCRETE COMBINATION CURB & GUTTER	LIN.FT.								588	728	1316	LIN.FT.	73c
	3R-GAS TAR WATER-PROOFING	SG.YD.		756	939.2	118.4	157.7	1506.0	1262.5			4239.8	SG.YD.	79a
	1/2" NAME PLATES	EACH								1	1	2	EACH	80b
	SHEET COPPER	LBS.	2215.4									2215.4	LBS.	80c
	CONCRETE SIDEWALK	SG.FT.								2515.5	3175.5	5691	SG.FT.	86
	DRAIN PIPE	EACH		84								84	EACH	89a
	ELECTRICAL CONDUIT & JUNCTION BOXES	LIN.FT.		2114.4				660.8	804.8			3520	LIN.FT.	90
	METAL LIGHT STANDARDS	EACH		13				5	6			11	EACH	98
	EXPANSION JOINT MATERIAL 1/2" THICK	LIN.FT.						1086.5	1185.5	204	204	2250	LIN.FT.	
	EXPANSION JOINT MATERIAL 3/4" THICK	SG.FT.		765				270	50	850	875	2850	SG.FT.	
	EXPANSION JOINT MATERIAL 1" THICK	SG.FT.		195				120	400			715	SG.FT.	
	EXPANSION JOINT MATERIAL 1 1/4" THICK	SG.FT.		10								10	SG.FT.	
	DOWEL SLEEVES	EACH						44				44		
	ELECTRICAL CONDUIT - 2" DIA	LIN.FT.						20	90			110	LIN.FT.	90a

INDEX OF REFERENCE DRAWINGS

Sheet No.

- 3 General Layout & Summary of Quantities.
- 4 Bar List.
- 5 Superstructure.
- 6 Superstructure.
- 7 Details of Handrail, Expansion Joints, Copper Bearings, and Pilasters.
- 8 Details of Blast Plates.
- 9-9a North Approach Walls.
- 10-10a North Approach Walls & Abutments 1 & 26.
- 11 Piers 2 to 11 incl. 13 & 14, 16 to 25 incl.
- 12 Piers 12 & 15.
- 13 South Approach Walls.
- 14 South Approach Walls.
- 14A Details of Panels in Approach Walls and Abutments.

Ø Above Final Pay Quantity, includes 27.6 Ft. which is Non-participating by B.P.R.

GENERAL NOTES

ALL WORK SHALL BE DONE ACCORDING TO THE STANDARD SPECIFICATIONS OF THE CALIFORNIA STATE HIGHWAY DEPARTMENT, ADOPTED AUG. 1, 1935.

ALL CONCRETE SHALL BE CLASS "A".

FORMS FOR CONCRETE SURFING IMPOSED IN THE FINISHED WORK SHALL BE CONSTRUCTED OF SHIPPLA OR TONGUE AND GROOVE LUMBER S3S UNLESS FACED WITH PANEL BOARD.

CONCRETE GIRDLERS, FLOOR SLABS AND CURB SHALL BE POURED MONOLITHICALLY.

FOOTINGS IN ROCK SHALL BE POURED OUT TO THE ROCK AND NOT FORMED.

ALL REINFORCING BARS SHALL BE DEFORMED AND TAGGED WITH THE STATION NUMBER AND LETTER DESIGNATION. MAIN BARS SHALL NOT BE SPLICED.

REINFORCING AND BRACING SHALL BE DONE IN ACCORDANCE WITH THE BEST AVAILABLE DATA. IF ESSENTIALLY DIFFERENT CONDITIONS ARE ENCOUNTERED THE BRIDGE ENGINEER WILL INSPECT AND DETERMINE IF REDESIGN IS NECESSARY.

ALL JOISTS AND OPEN HOLES SHALL BE PROTECTED BY

LOADING DATA.
LIVE LOAD=A.A.S.H.O. AUG. 1928 CLASS A. (H-15)
DEAD LOAD=ASSUMES 15 LBS. PER SQ. FT.
ADDITIONAL WEARING SURFACE WHICH INCLUDES THE
3/4 IN. CONCRETE MONOLITHIC WEARING SURFACE SHOWN.

COLORADO
STATE HIGHWAY DEPARTMENT
GENERAL LAYOUT & SUMMARY OF
QUANTITIES FOR 5th. STREET
OVERPASS

Across D & R G W R R

Sta. 88+00 to 105+00

So. 5th. St. Sec. 23 T. 1 S. R. 1 W.

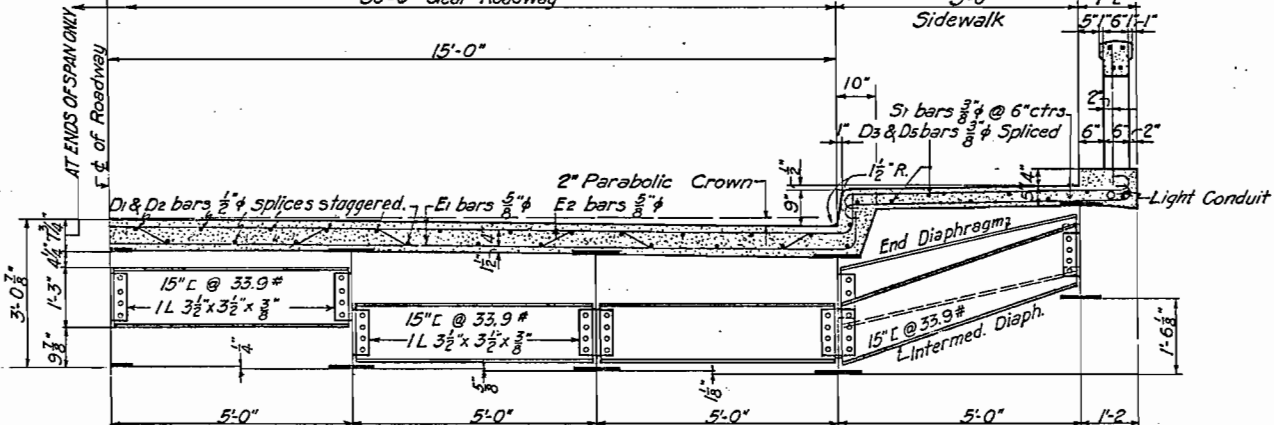
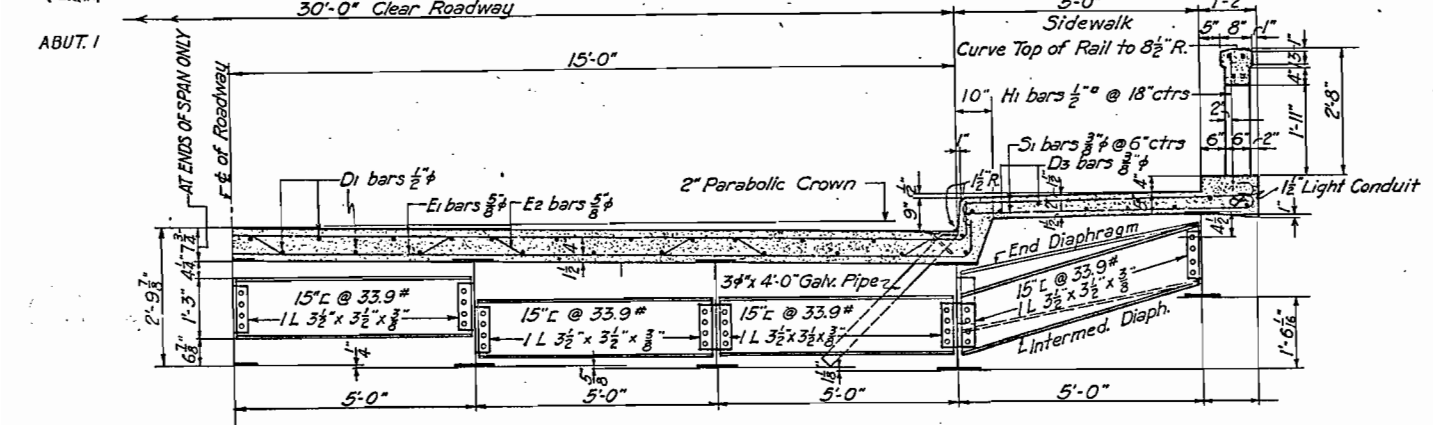
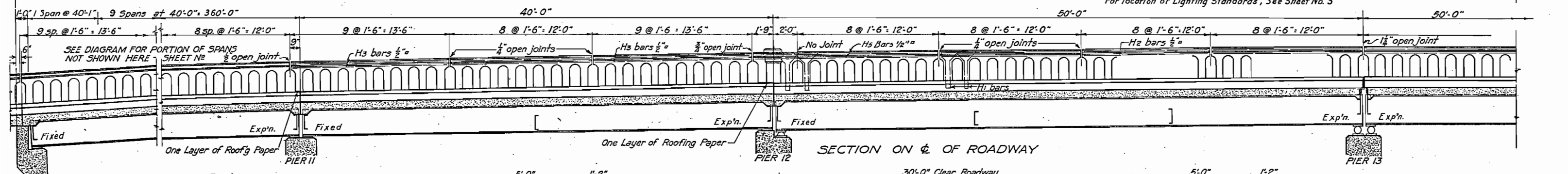
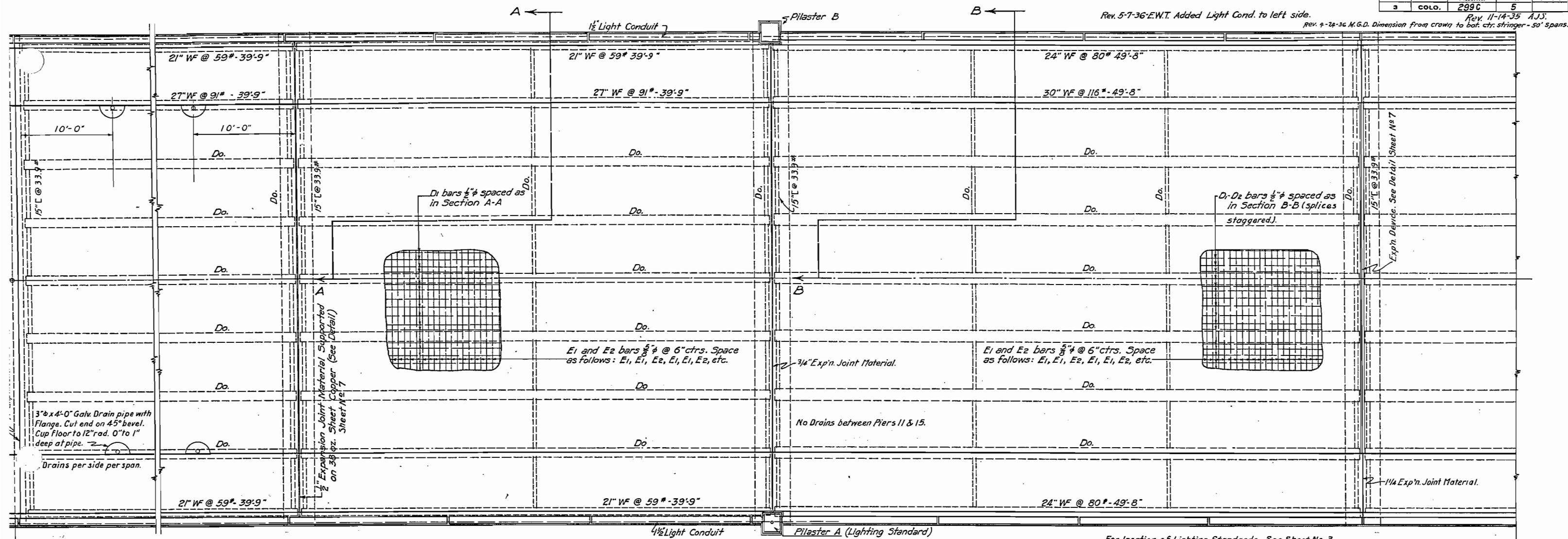
IN GRAND JUNCTION U.P.

Designed by T.G. Approved by *P. J. B.*
Made by F.W.T.

Made by E.V.V. I.
Check Design

Date: Oct. 30th, 19

Rev. 11-14-35 A.J.J.
Rev. 9-24-36 M.G.D. Dimension from crown to bot. ctr. stringer - 50' spans.



Work this Sheet with Sheet No. 6
Reference Drawings: See Sheet No. 3 for Index of Reference drawings

LOADING DATA.
LIVE LOAD = A. A. B. H. O. AUG. 1928 CLASS A. (H-15)
DEAD LOAD = ASSUMES 18 LBS. PER SQ. FT. ADDITIONAL WEARING SURFACE, WHICH INCLUDES THE 1/2" IN. CONCRETE MONOLITHIC WEARING SURFACE.

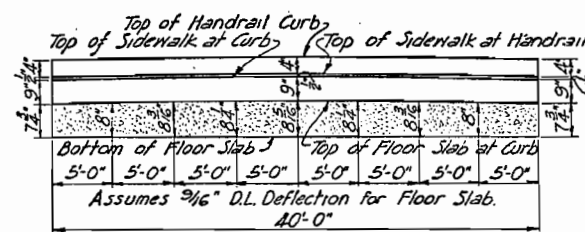
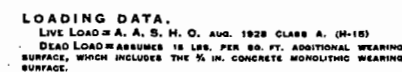
COLORADO
STATE HIGHWAY DEPARTMENT
 PART DETAIL OF SUPERSTRUCTURE OF 5TH STREET OVERPASS

Across D. & R. G. W. R.R.
 Sta. 88+00 To 105+00
 South 5th St. Sec. 23 T. 15 R. 1 W. OF U.P.M.
 in Grand Junction.

Designed by T.G. Made by F.W.O. Check Engineer
 Approved by R.D. Bailey Date: Oct 30, 1935

SECTION A-A - TYPICAL, FOR 40 FT. SPANS.

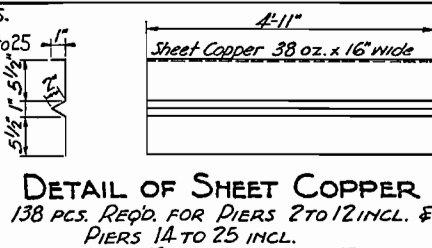
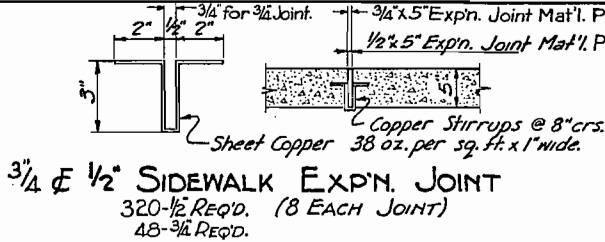
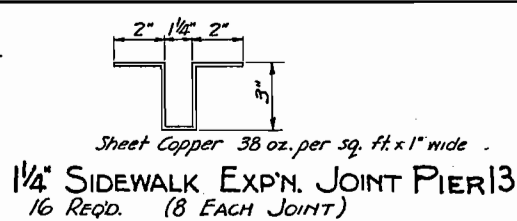
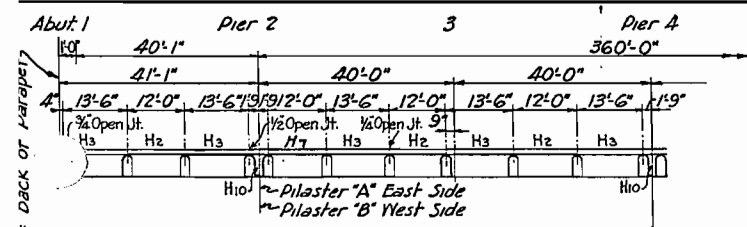
SECTION B-B - TYPICAL FOR 50 FT. SPANS.



Work this Sheet with Sheet No. 5

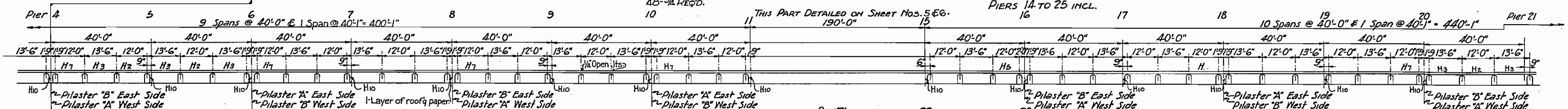
COLORADO
STATE HIGHWAY DEPARTMENT
PART DETAIL OF SUPERSTRUCTURE
OF
5TH STREET OVERPASS
Across *D. & R.G.W. RR.*
Sta. *88+00* to *105+00*
Sa. 5th St. Sec. *23T.1S* *R.1W of U.P.*
in Grand Junction.

Designed by *K.B. TC.*
Made by *HES* Approved by *P.S. Bailey*
Check Design *Bridge Engineer*
Check Detail *W.H.L.* Date: *Oct. 30th 1935*

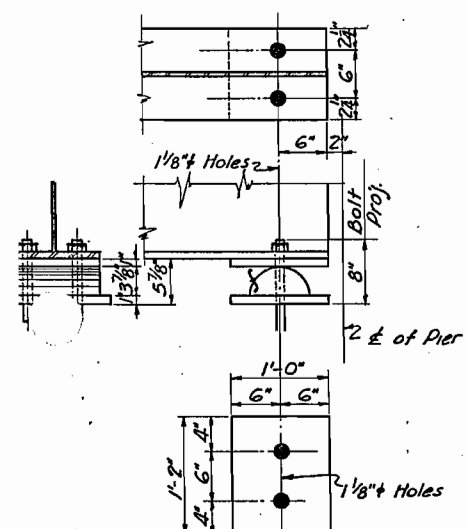


FED. ROAD DIST. NO.	STATE	W.P.G.M. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	299-C	7	

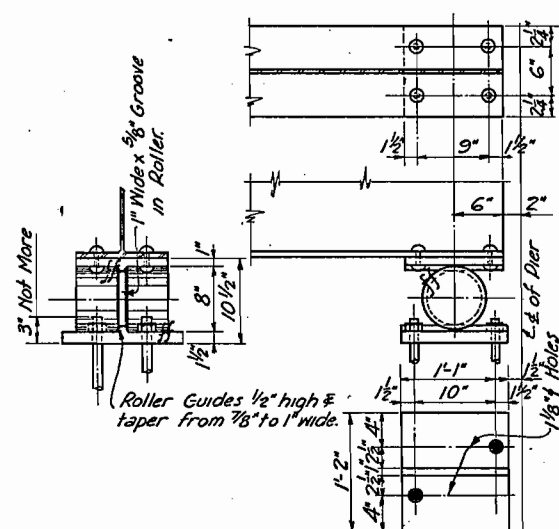
Rev. 11-14-35 A.J.S.



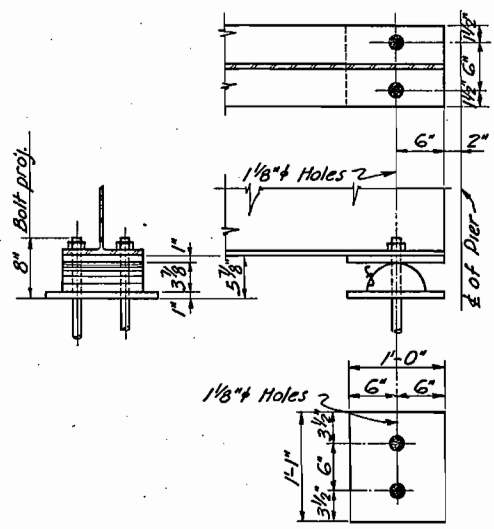
DETAIL OF HANDRAIL
BOTH SIDES SAME EXCEPT PILASTERS



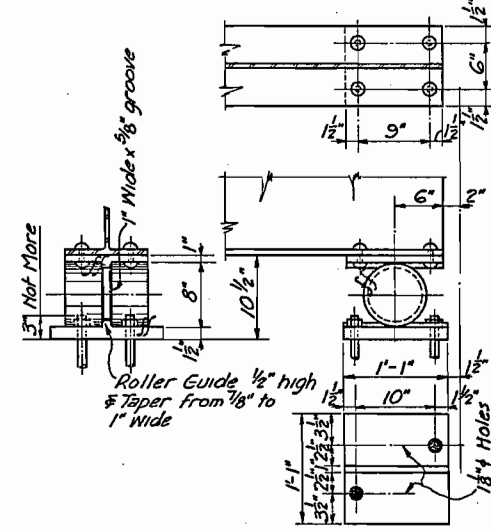
FIXED BEARING DETAIL
21 REQ'D. COMPLETE - PIERS 12, 14, & 15



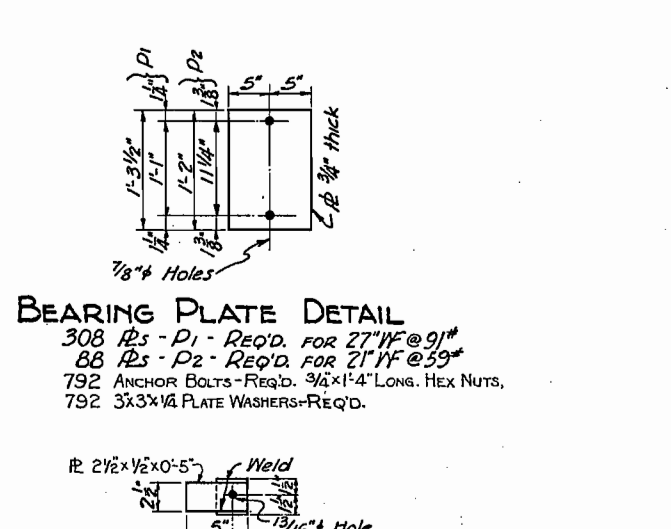
EXPANSION BEARING DETAIL
21 REQ'D. COMPLETE - PIERS 13 & 14



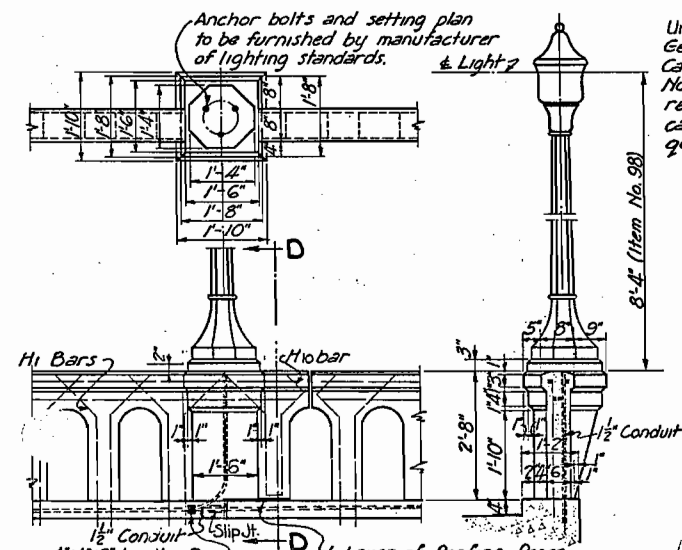
FIXED BEARING DETAIL
6 REQ'D. COMPLETE - PIERS 12, 14 & 15 (WALK)



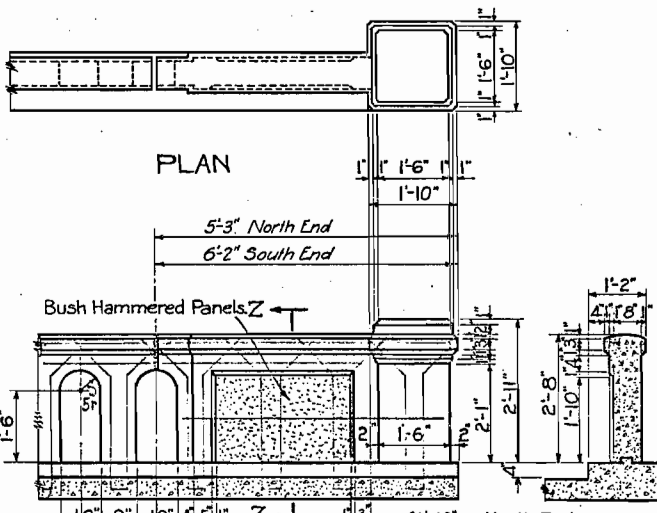
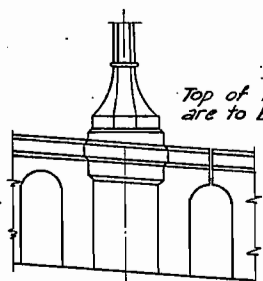
EXPANSION BEARING DETAIL
6 REQ'D. COMPLETE - PIERS 13 & 14 (WALK)



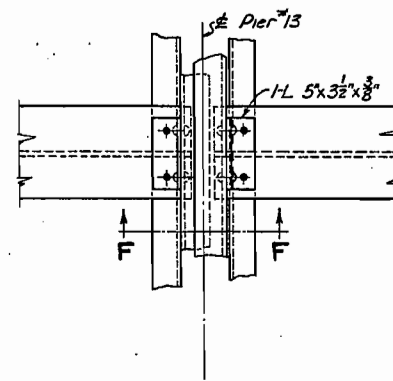
BEAM CLIP DETAIL
396 REQ'D. FOR EXPN. ENDS
396 REQ'D. FOR FIXED ENDS



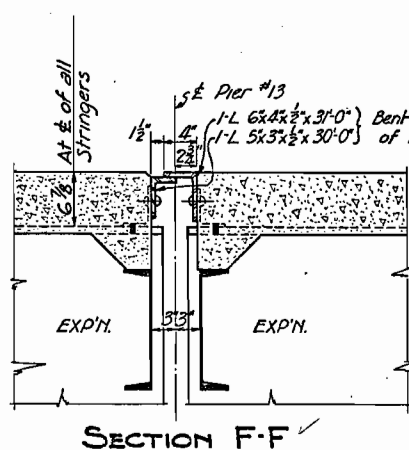
Union Metal Standard, Design 2829 with General Electric form 13 lighting unit with form "J" casing No. 109, light Alabaster rippled glass globe. No. 1109 glass canopy equipped with series Mogul receptical, described on page 523, General Electric catalogue 600-A, or an approved lighting unit of equal quality and dimensions.



ELEVATION OF END POST. "Z-Z"



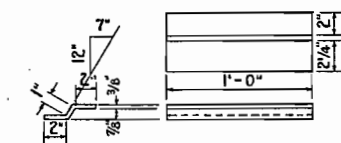
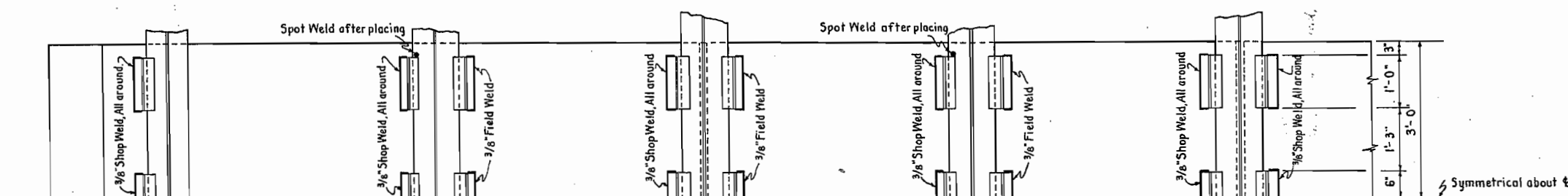
EXPANSION DEVICE DETAILS
ONE REQ'D. AT PIER No. 13



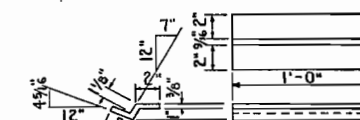
REFERENCE DRAWINGS: See Sheet No. 3 for Index of Reference Drawings.

LOADING DATA.
LIVE LOAD W. A. S. H. O. AUG. 1928 CLASS A. (IN-18)
DEAD LOAD MEASURES IN LBS. PER SQ. FT. ADDITIONAL WEARING SURFACE, WHICH INCLUDES THE 1/2 IN. CONCRETE MONOLITHIC WEARING SURFACE.

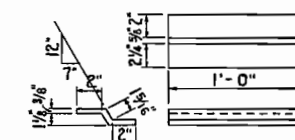
COLORADO
STATE HIGHWAY DEPARTMENT
DETAILS OF HANDRAIL,
EXPANSION JOINTS, SHEET
COPPER, BEARINGS, & PILASTERS
Across D. & R. G. W. R.R.
Sta. 88+00 to 105+00
SOUTH 5TH ST. Sec. 23T-1-S R.1W.10P.M.
IN GRAND JUNCTION
Designed by T.G. MES
Made by MES
Check Design Date: Oct. 30th, 1935
Approved by R. Bailey
Bridge Engineer
Check Detail W.H.L.



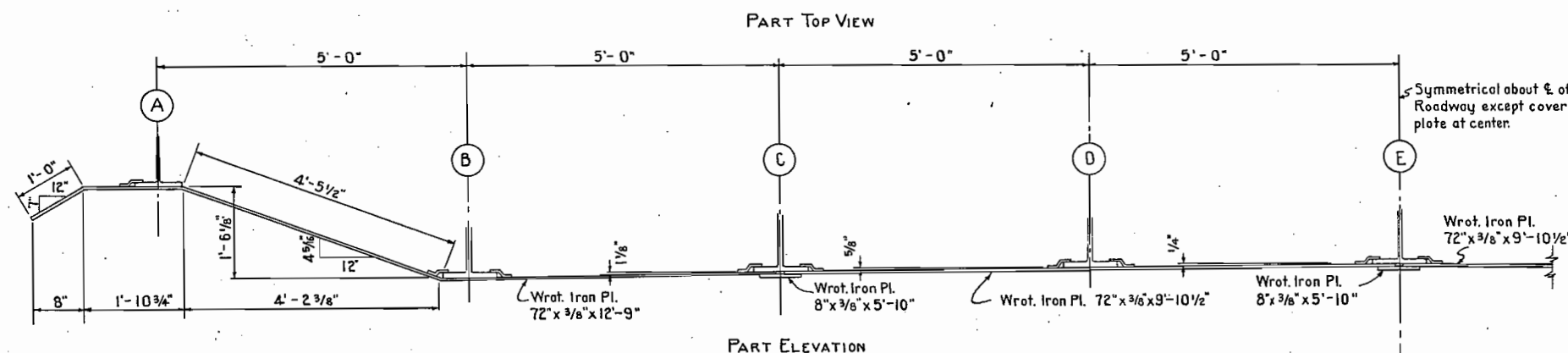
DETAIL OF BENT PLATE HANGER AT (A)
6 Req'd. Made of Steel.



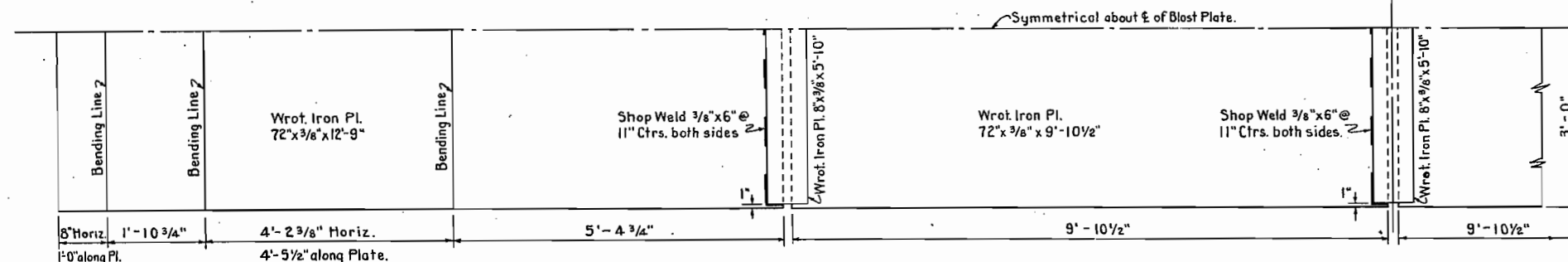
DETAIL OF BENT PLATE HANGER AT (B)
6 Req'd. Made of Steel.



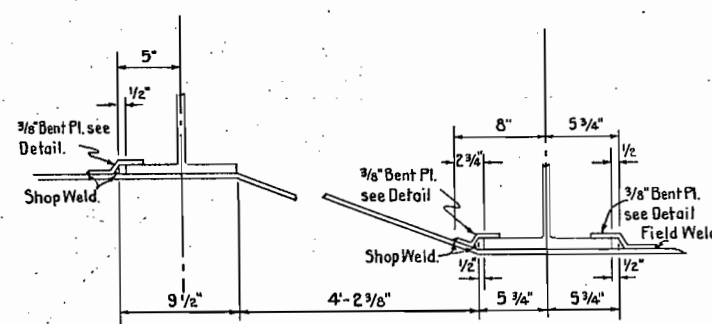
DETAIL OF BENT PLATE HANGER AT (C), (D) & (E)
36 Req'd. Made of Steel.



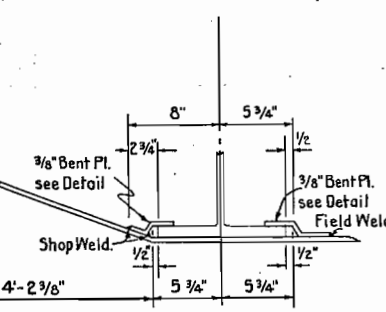
PART ELEVATION



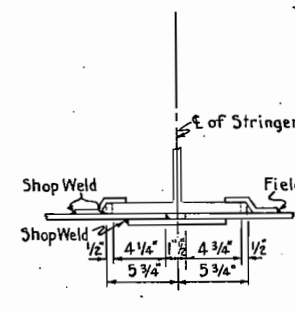
PART BOTTOM VIEW



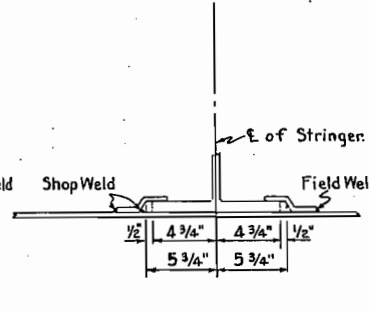
DETAIL AT (A)



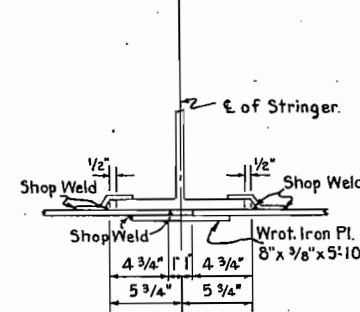
DETAIL AT (B)



DETAIL AT (C)



DETAIL AT (D)



DETAIL AT (E)

BILL OF MATERIAL (STRUCTURAL STEEL) FOR ONE BLAST PLATE

2- Wrot. Iron Plates 72" x 3/8" x 9'-10 1/2" @ 15 lbs. per sq. ft. =	1778 lbs.
2- Wrot. Iron Plates 72" x 3/8" x 12'-9" (Bent) @ 15 lbs. per sq. ft. =	2295 lbs.
4- Wrot. Iron Plates 8" x 3/8" x 5'-10" @ 15 lbs. per sq. ft. =	233 lbs.
6- Steel Plates Bent (Hanger at (A)) see detail =	38 lbs.
6- Steel Plates Bent (Hanger at (B)) see detail =	40 lbs.
36- Steel Plates Bent (Hanger at (C), (D) & (E)) see detail =	241 lbs.
Plus 1 1/2% for overrun =	70 lbs.
TOTAL =	4695 lbs.
4 Req'd. @ 4695 lbs. =	18,780 lbs.

REFERENCE DRAWINGS.
See Sheet No. 3 for Index of Reference Drawings.

LOADING DATA.
LIVE LOAD = A. A. S. H. O. AUG. 1928 CLASS A. (H-10)
DEAD LOAD = ASSUMES 18 LBS. PER SQ. FT. ADDITIONAL WEARING SURFACE, WHICH INCLUDES THE 1/2 IN. CONCRETE MONOLITHIC WEARING SURFACE.

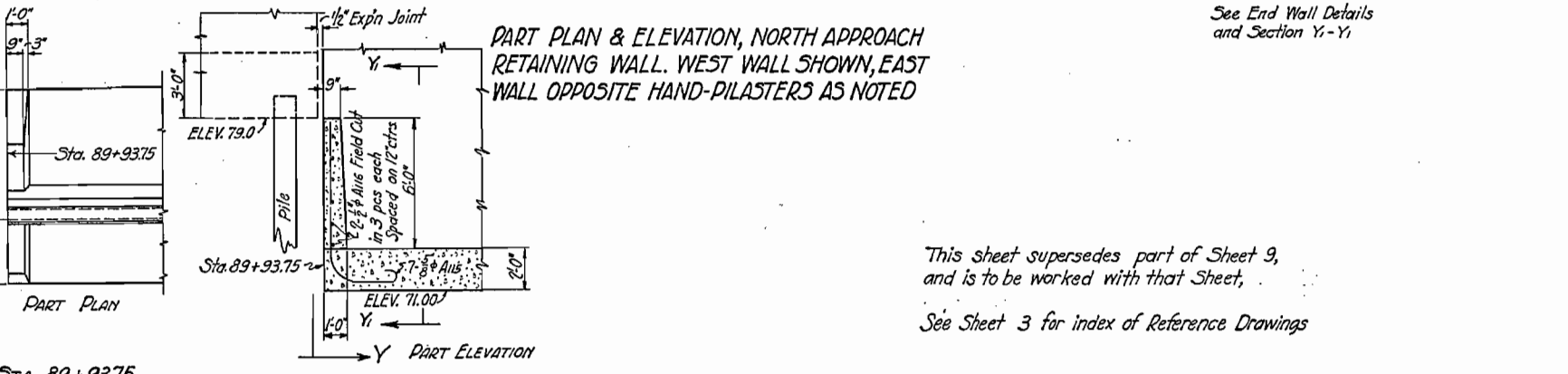
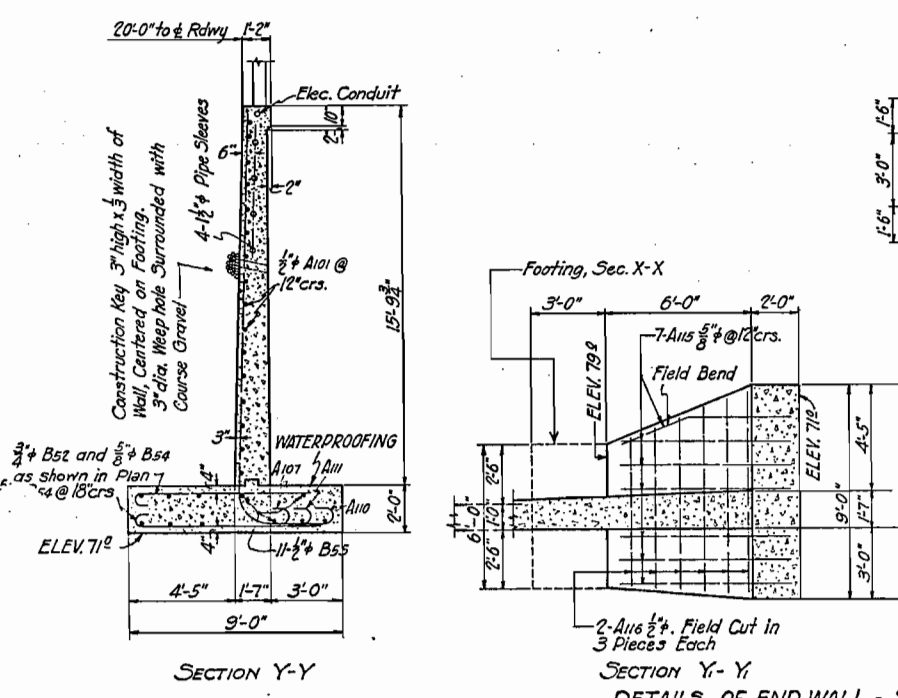
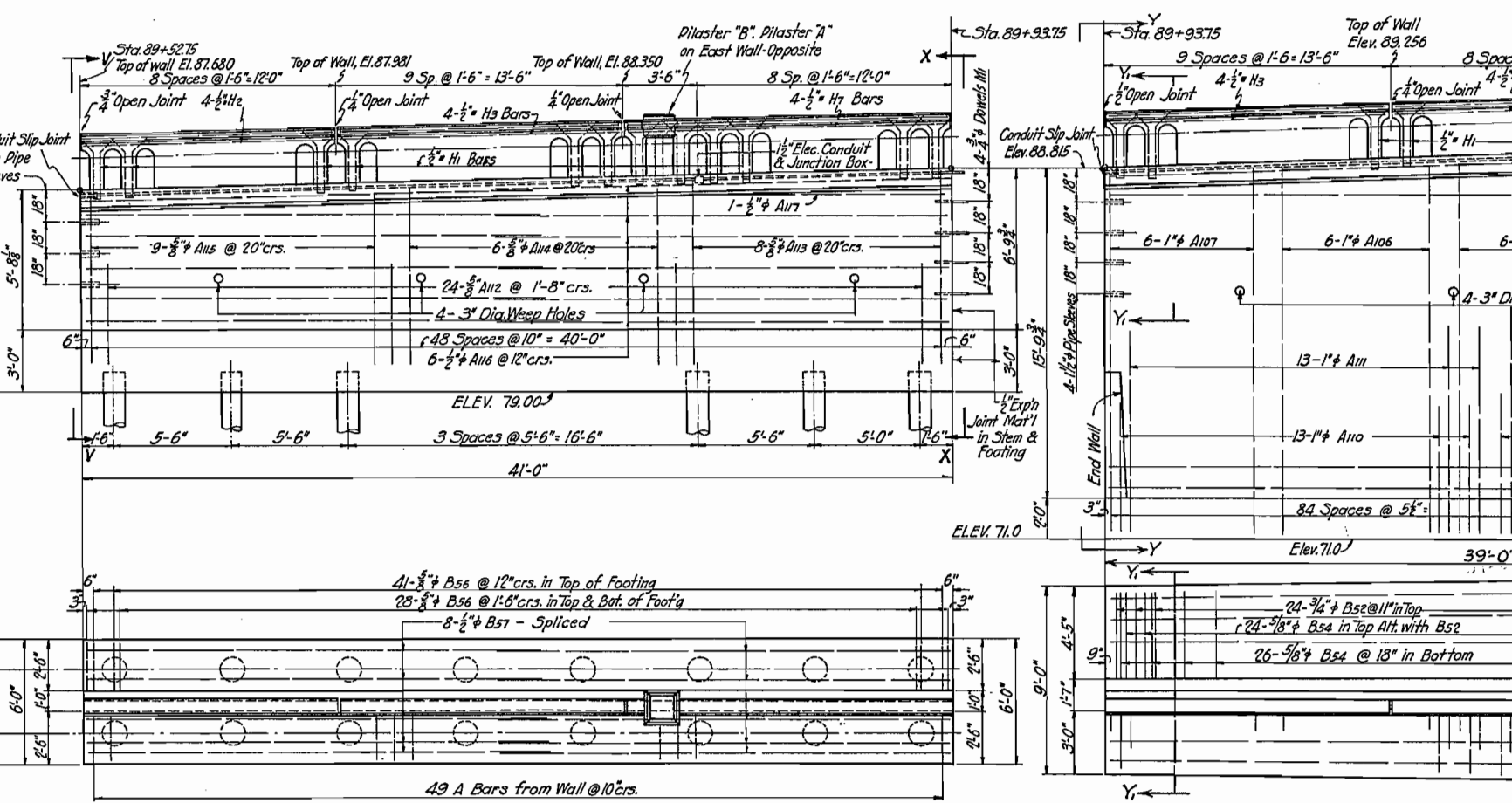
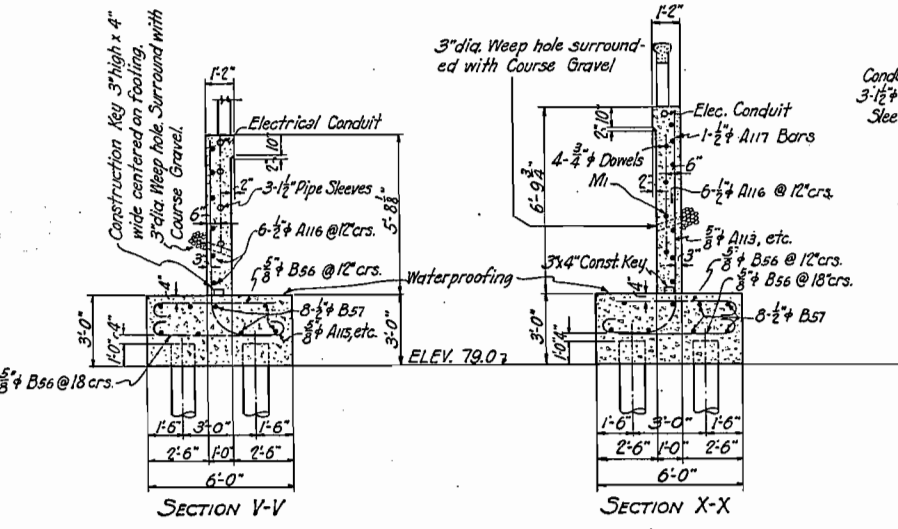
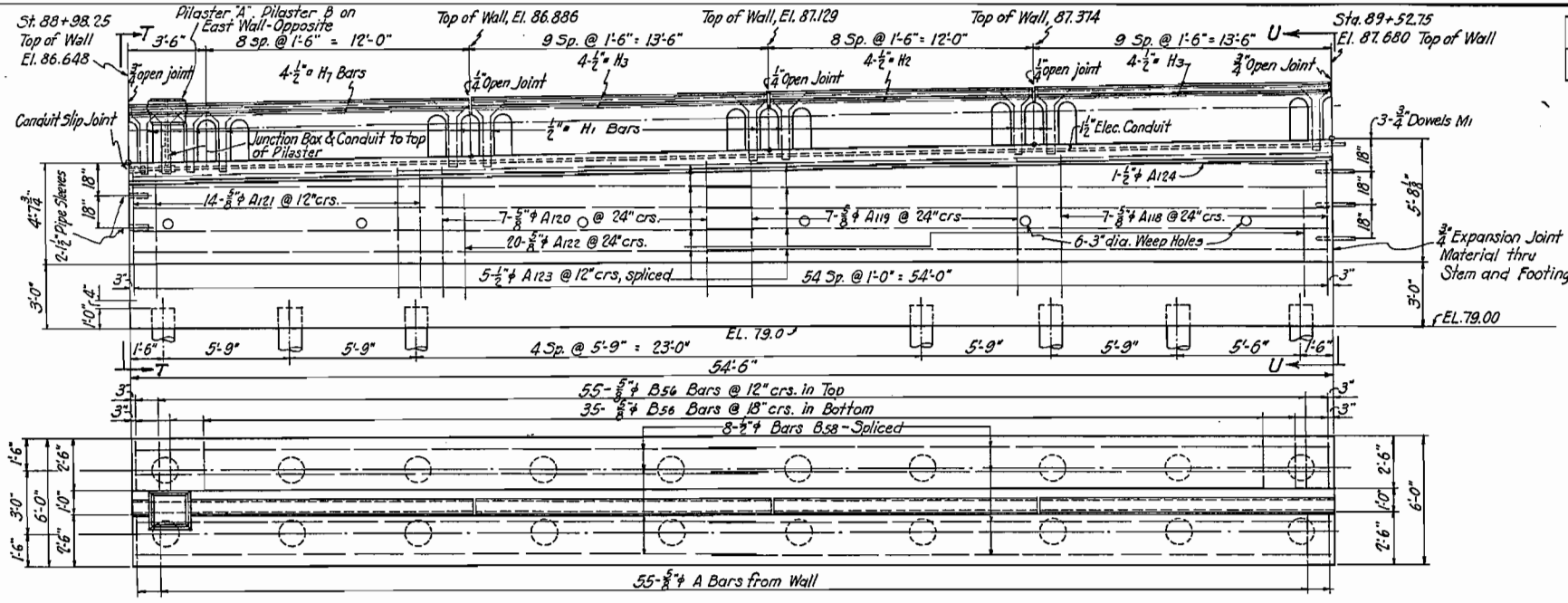
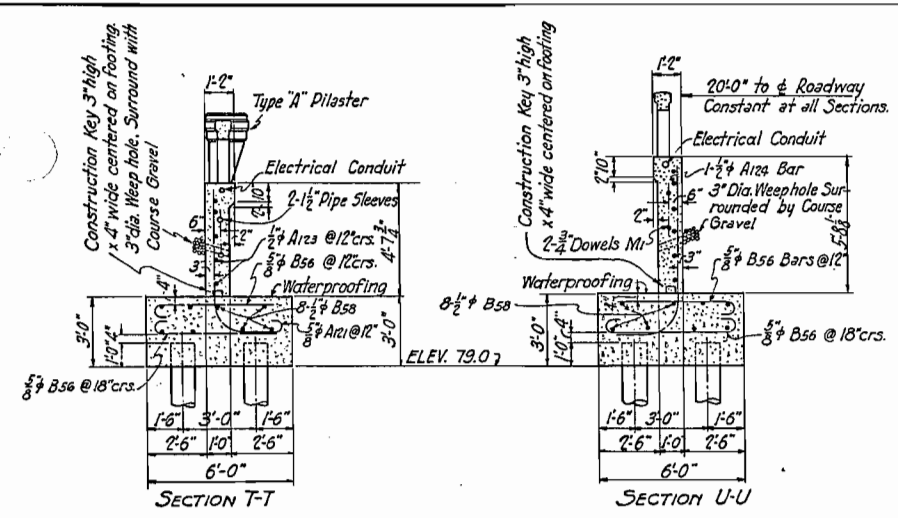
COLORADO STATE HIGHWAY DEPARTMENT

DETAILS OF BLAST PLATE

Across D & R G. W. R. R.
Sta. 88+00 to 105+00
So. 5th St. Sec. 23T. 1 S. R. 1 W.
in Grand Junction U.P.M.
Designed by T.G.
Made by J.D.B.
Check Design
Check Detail W.H.L.
Approved by P. J. Bailey
Bridge Engineer
Date: Oct. 30th, 1935

FED. ROAD DIST. NO.	STATE	W.P.G.M. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	299-C	9a	

Additional Sheet 5-5-36
Rev. 5-7-36-E.W.T. Elect. Conduit in both walls.



LOADING DATA.
LIVE LOAD-A.A.S.H.O. AUG. 1935 CLASS A. (H-15)
DEAD LOAD-ASSUMES 15 LBS. PER SQ. FT.
ADDITIONAL WEARING SURFACE WHICH INCLUDES THE
1/2 IN. CONCRETE MONOLITHIC WEARING SURFACE SHOWN.

REVISION OF APRIL 13, 1936.

COLORADO
STATE HIGHWAY DEPARTMENT
NORTH APPROACH WALLS - 5TH ST.
VIADUCT - GRAND JUNCTION
STA. 88+25 TO 90+32.75
ACROSS D. & R. G. W. TRACKS
Sta. 88+00 TO 105+00
IN GRAND JCT., COLO. Sec. 25 T. 15 R. 1 W. U. R. M.

Designed by T.G.
Made by F.W.D.
Check Design
Check Detail

Approved by R. Bailey
Bridge Engineer
Date: May. 7 1936.

This sheet supersedes part of Sheet 9,
and is to be worked with that Sheet.
See Sheet 3 for index of Reference Drawings

PROJ. NO.	STATE	W.P.C.M. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	799-C	10	10

Revised Dec 12-1935. Changed abutments for bridging sewer. Also Added Notes for Panels. H.W.V. Rev 11-14-35 A.J.S.

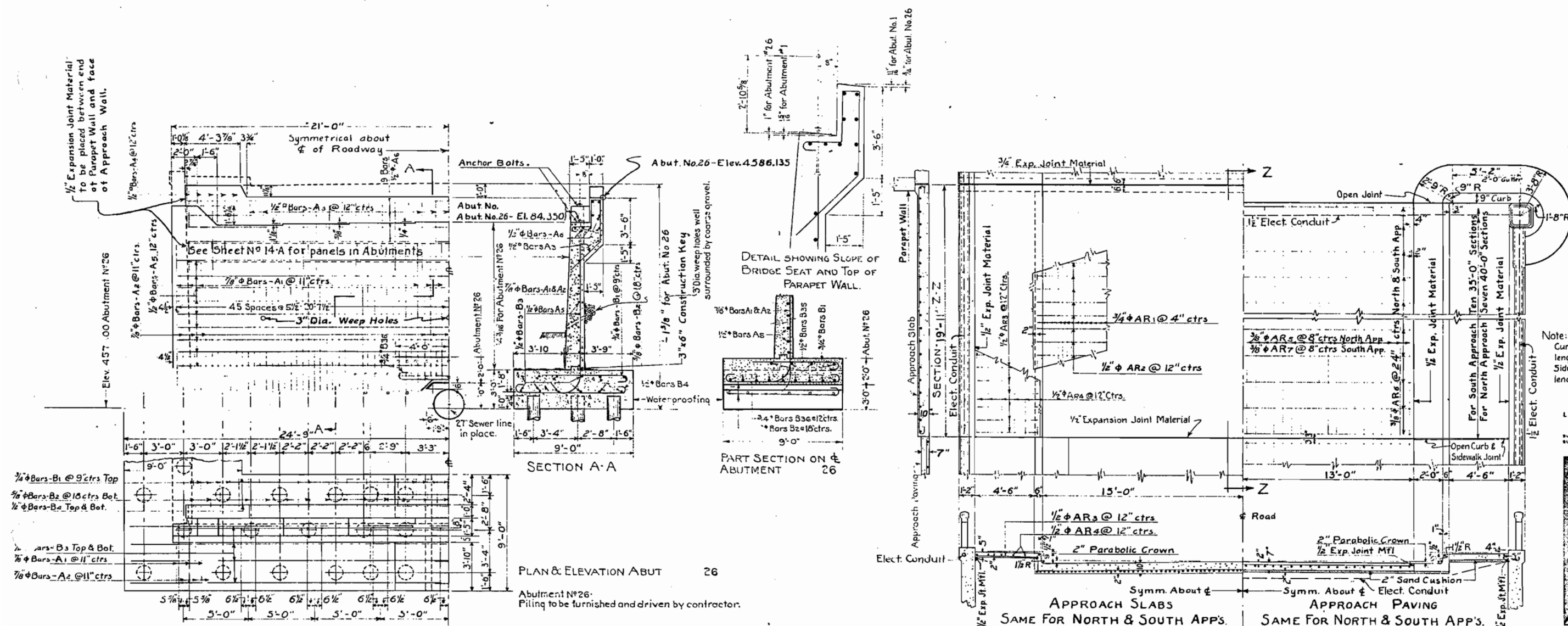
Rev. 3-31-36 A.D.N.

Revision of Abutment No. 26.

Rev. 5-7-36 E.W.T. Added Electric Conduit.

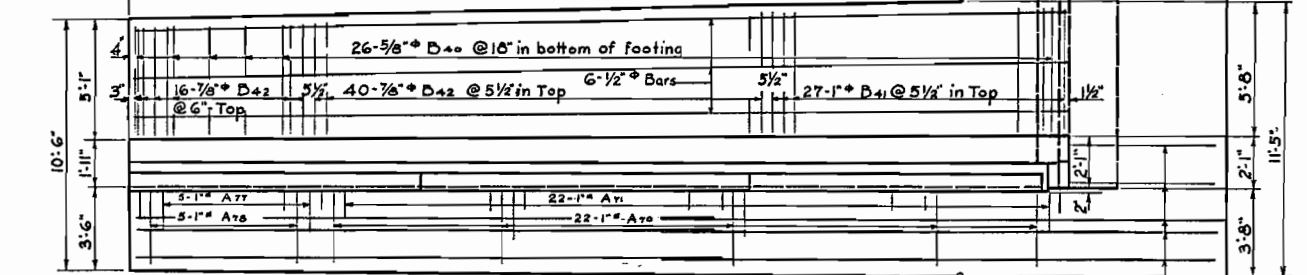
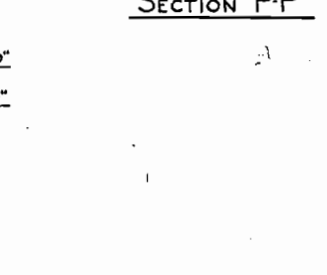
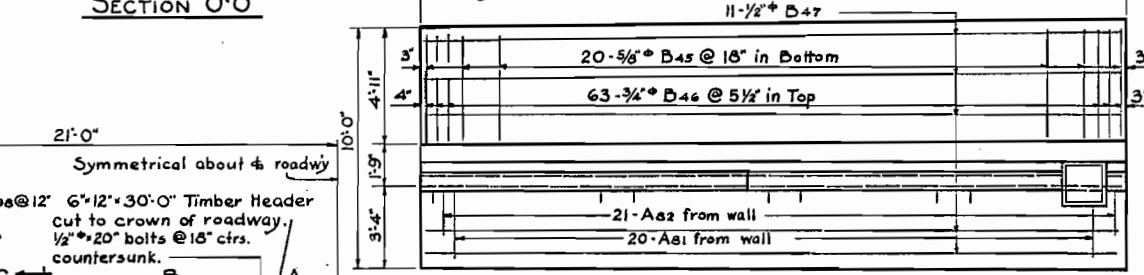
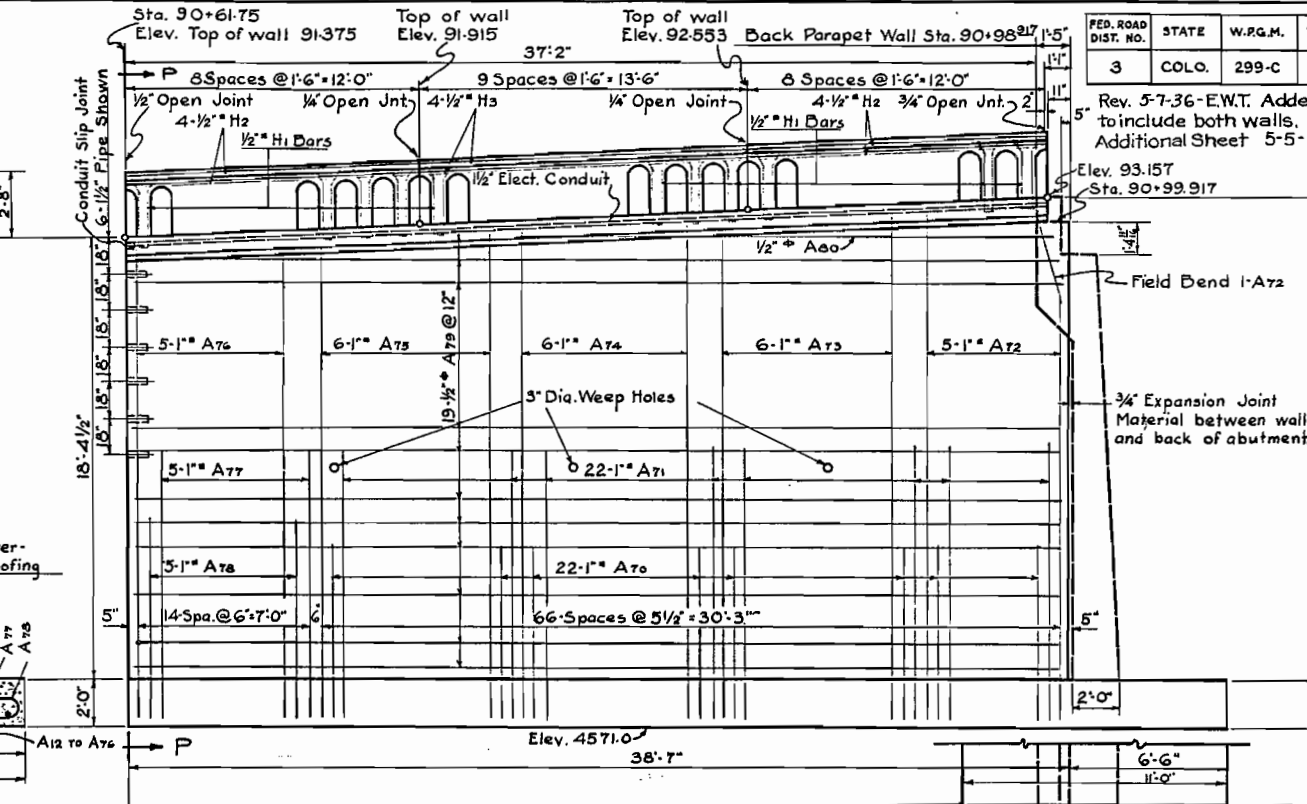
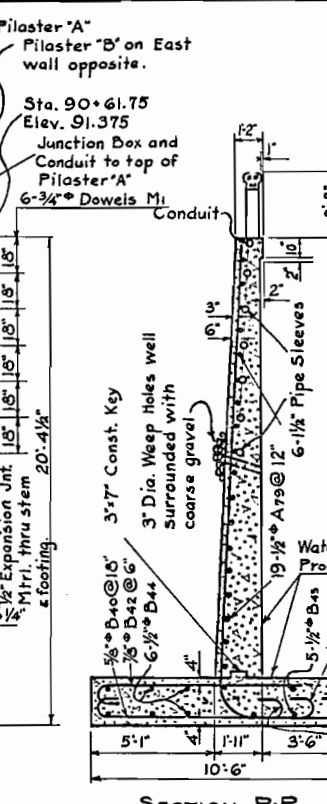
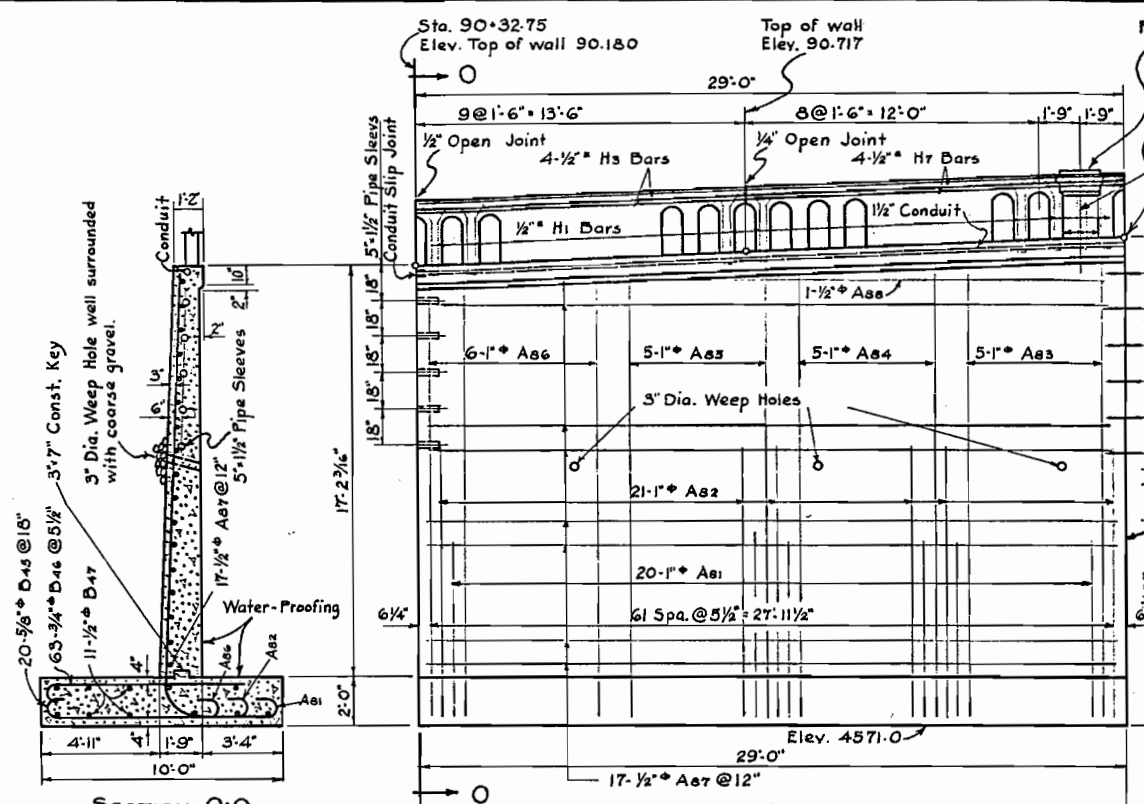
Rev. 9-12-36 As per Work Order No. 975 J.D.E.

For sections of North Approach Wall between Sta. 88+00 & 90+98.917 & details of Abutment No. 1 See sheet No. 10a & 10b-a.

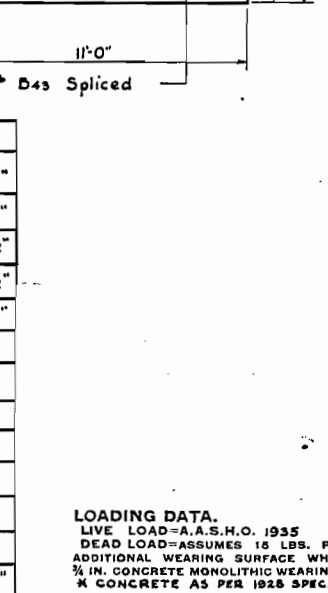
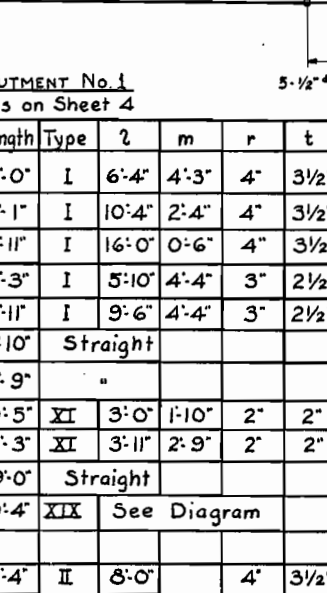
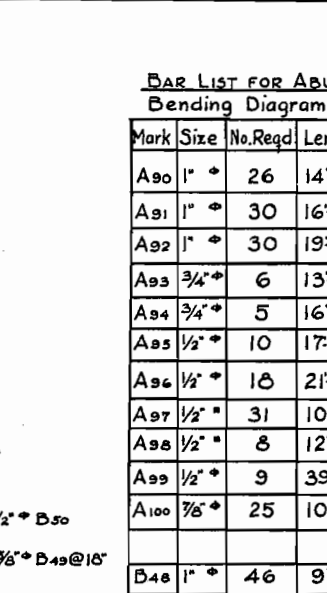
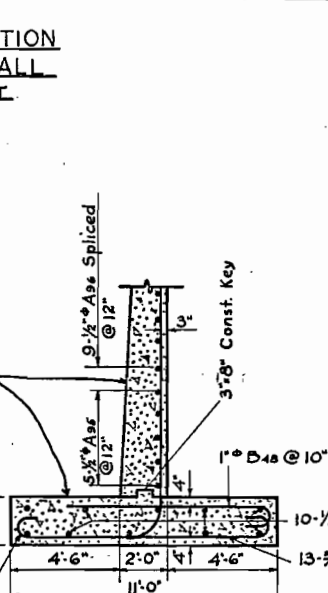
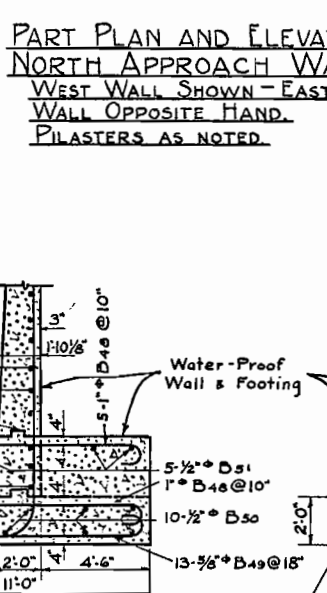
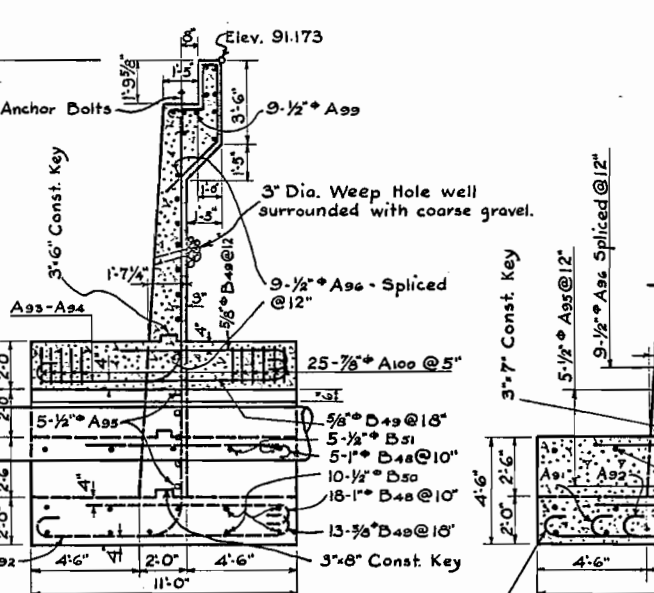
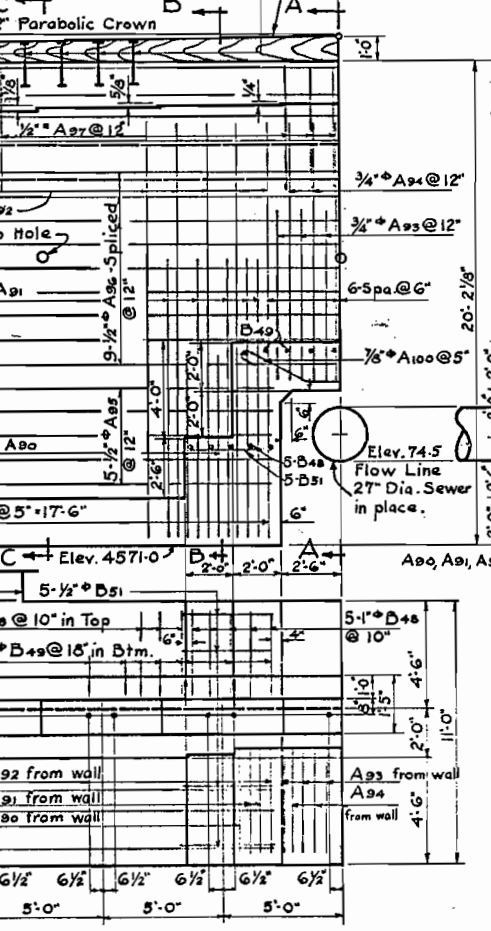


Rev. 5-7-36 E.W.T. Added Elect. Conduits to include both walls. Additional Sheet 5-5-36

Elev. 93.157 Sta. 90+99.917



**PART PLAN AND ELEVATION
NORTH APPROACH WALL
WEST WALL SHOWN - EAST
WALL OPPOSITE HAND.
PILASTERS AS NOTED.**



**BAR LIST FOR ABUTMENT No. 1
Bending Diagrams on Sheet 4**

Mark	Size	No. Req'd	Length	Type	2	m	r	t
A90	1" #	26	14'-0"	I	6'-4"	4'-3"	4"	3 1/2"
A91	1" #	30	16'-1"	I	10'-4"	2'-4"	4"	3 1/2"
A92	1" #	30	19'-11"	I	16'-0"	0'-6"	4"	3 1/2"
A93	3/4" #	6	13'-3"	I	5'-10"	4'-4"	3"	2 1/2"
A94	3/4" #	5	16'-11"	I	9'-6"	4'-4"	3"	2 1/2"
A95	1/2" #	10	17'-10"	Straight				
A96	1/2" #	18	21'-9"	"				
A97	1/2" #	31	10'-5"	XI	3'-0"	1'-10"	2"	2"
A98	1/2" #	8	12'-3"	XI	3'-11"	2'-9"	2"	2"
A99	1/2" #	9	39'-0"	Straight				
A100	3/8" #	25	10'-4"	XIX	See Diagram			
B48	1" #	46	9'-4"	II	8'-0"		4"	3 1/2"
B49	5/8" #	35	7'-4"	II	6'-6"		2 1/2"	2"
B50	1/2" #	20	21'-6"	Straight				
B51	1/2" #	10	3'-4"	"				

SUMMARY

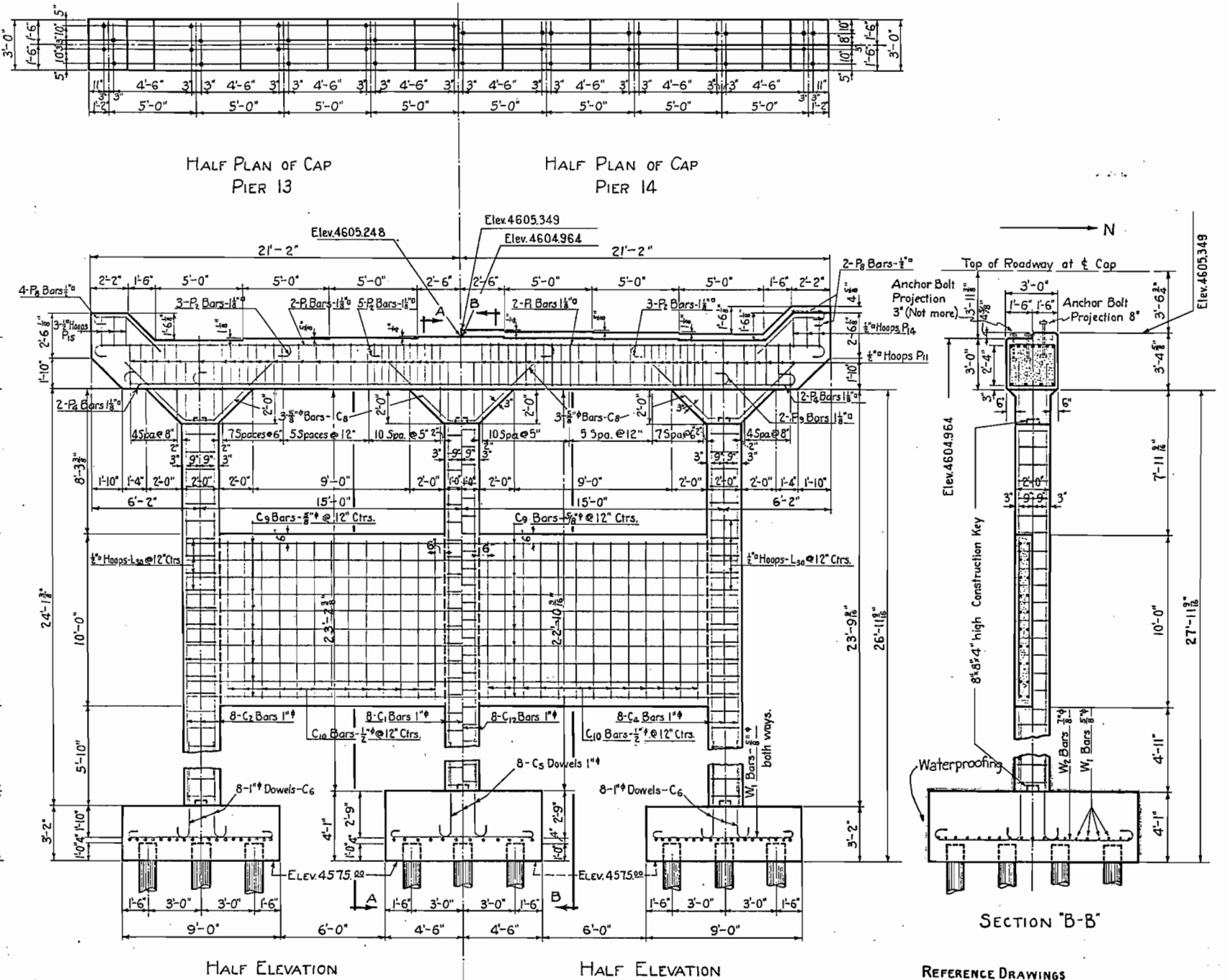
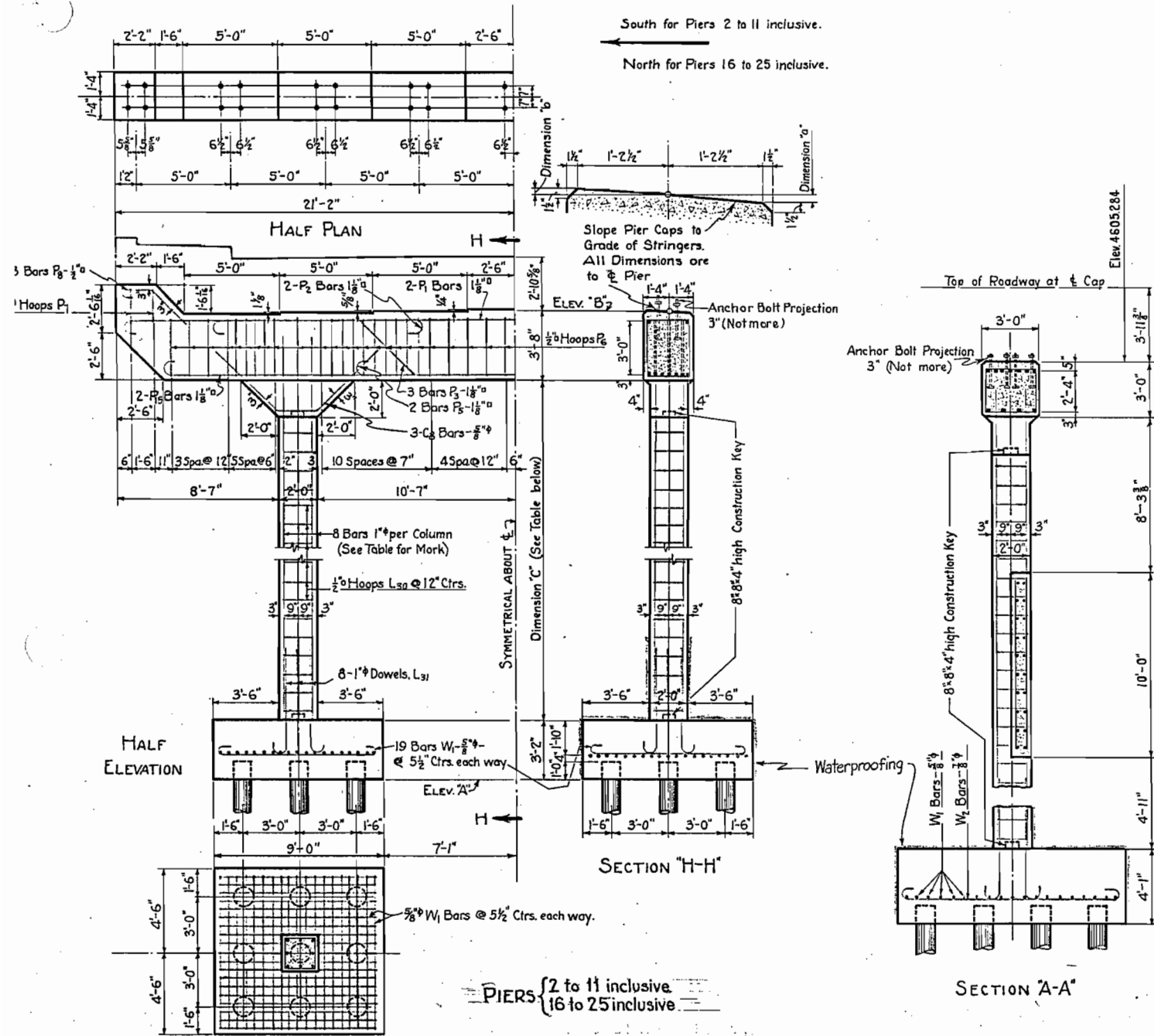
1874	Lin. Ft.	1" # @ 2.670	*/	=	5004 *
258	"	3/8" # @ 2.044	"	=	527
164	"	3/4" # @ 1.502	"	=	246
257	"	5/8" # @ 1.043	"	=	268
1384	"	1/2" # @ 0.668	"	=	926
421	"	1/2" # @ 0.850	"	=	358
		Over-run 1% ±		=	71
		TOTAL		=	7400 *

LOADING DATA.
LIVE LOAD-A.A.S.H.O. 1935 * CLASS A. (H-16)
DEAD LOAD-ASSUMES 15 LBS. PER SQ. FT.
ADDITIONAL WEARING SURFACE WHICH INCLUDES THE
3/4 IN. CONCRETE MONOLITHIC WEARING SURFACE SHOWN.
* CONCRETE AS PER 1928 SPECS.

**COLORADO
STATE HIGHWAY DEPARTMENT**
NORTH APPROACH WALLS
Sta. 90+32.75 to 90+99.917
ABUTMENT No. 1 DETAILS
Across D. & R.G.W.R.R. TRACKS
Sta. 88+00 to 105+00
So. 5th St. Grand Junction U.P.M.
Designed by T.G. Made by W.C.C.-K.D. Check Design Date May 7th, 1936
Approved by P.J. Bailey Bridge Engineer

DETAILS OF ABUTMENT NO. 1

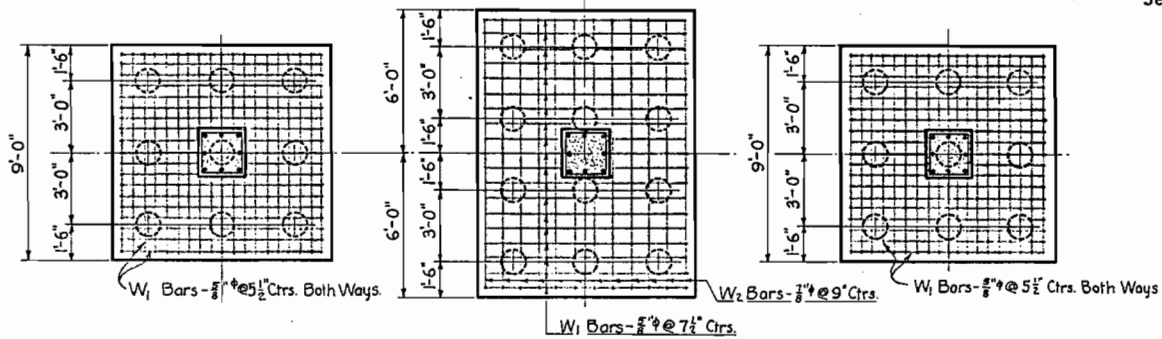
This sheet supersedes part of sheet 10 with which it is to be worked. See Sheet 3 for index of Reference Drawings.



REFERENCE DRAWINGS
See Sheet No. 3 for Index of Reference Drawings.

Pier No.	2	3	4	5	6	7	8	9	10	11	16	17	18	19	20	21	22	23	24	25
Station of Pier	91+40.3	91+80.3	92+20.3	92+60.3	93+00.3	93+40.3	93+80.3	94+20.3	94+60.3	95+00.3	97+30.3	97+70.3	98+10.3	98+50.3	98+90.3	99+30.3	99+70.3	100+10.3	100+50.3	100+90.3
Elev. "A" Bottom Footing	71.00	73.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	74.00	73.00	72.00	71.00	70.00	69.00	68.00	67.00	66.00	65.00
Elev. "B" Top of Cap	91.523	93.914	96.282	98.426	100.314	101.946	103.322	104.442	105.306	105.914	106.442	106.914	107.322	107.626	107.882	108.094	108.262	108.394	108.482	108.534
Length of Column "C"	13'-8"	14'-1"	14'-5"	16'-7"	18'-5"	20'-1"	21'-5"	22'-7"	23'-5"	24'-1"	23'-7"	23'-5"	23'-1"	22'-7"	22'-3"	21'-9"	21'-5"	21'-1"	20'-7"	20'-3"
Slope of Cap	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Column Reinf.	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	L ₈	L ₉	L ₁₀	L ₁₁	L ₁₆	L ₁₇	L ₁₈	L ₁₉	L ₂₀	L ₂₁	L ₂₂	L ₂₃	L ₂₄	L ₂₅
Length of Piling (Aver.)	13.0	12.8	12.6	12.7	13.9	14.5	14.4	13.1	14.1	13.9	13.6	11.8	10.8	10.4	11.5	14.4	10.7	10.7	9.6	10.3

MAX. LOAD = 30,000 LBS. PER PILE.



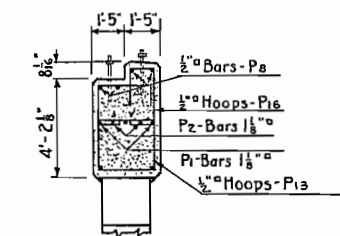
HALF PLAN OF FOOTING
Symmetrical about C
PIER 13
Sta. 95+90
Average length of Piling = 11.6 Ft.

HALF PLAN OF FOOTING
Symmetrical about C
PIER 14
Sta. 96+40
Average length of Piling = 11.6 Ft.

LOADING DATA.
LIVE LOAD - A. A. H. O. AUG. 1928 CLASS A. (14-18)
DEAD LOAD - ASSUMES 15 LBS. PER SQ. FT. ADDITIONAL WEARING SURFACE, WHICH INCLUDES THE 1/2 IN. CONCRETE MONOLITHIC WEARING SURFACE.

COLORADO
STATE HIGHWAY DEPARTMENT
DETAIL OF
PIERS 2 to 11 inc., 13 & 14
AND 16 to 25 inc.
Across D & R.G.W.R.R.
Sta. 88+00 to 103+00
So. 5th St. Sec. 23T.1S. R.1W.4PM.
in Grand Junction.
Designed by T.G.
Made by W.C.C.
Check Design
Check Detail J.D.B.
Approved by P.D. Bailey
Bridge Engineer
Date: Oct. 30th, 1935

Rev. 9-12-36 As per Work Order No. 975 J.D.B.



SECTION "C-C"

REFERENCE DRAWINGS

See Sheet No.3 for Index of Reference Drawings.

LOADING DATA.
LIVE LOAD=A. A. S. H. O. AUG. 1928 CLASS A. (H-15)
DEAD LOAD=ASSUMES 15 LBS. PER SQ. FT. ADDITIONAL WEAR
SURFACE, WHICH INCLUDES THE 1/2 IN. CONCRETE MONOLITHIC WEAR
SURFACE.

COLORADO
STATE HIGHWAY DEPARTMENT
DETAIL OF
PIERS 12 & 15
Across D & R.G.W.R.R.
Sta. 8+00 to 105+00
So. 5th St. Sec. 23T.1 S. R.1.W.U.P.M.
in Grand Junction
Designed by T.G.
Made by J.D.B.
Check Design
Check Detail T.G.
Approved by *P.O. Bailey*
Bridge Engineer
Date: Oct. 30th, 1935

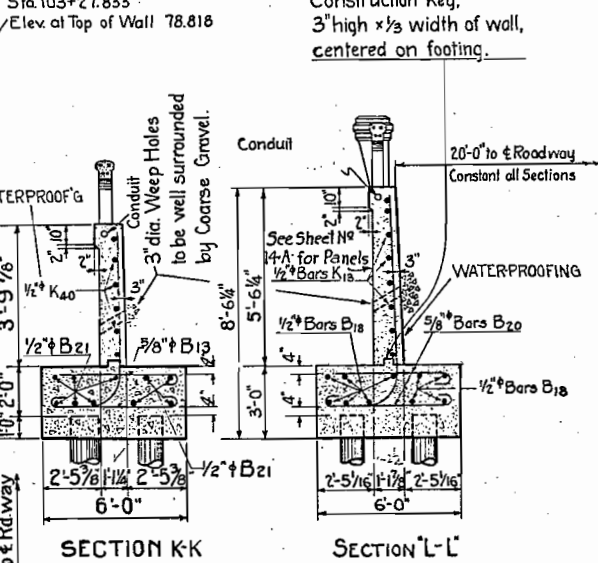
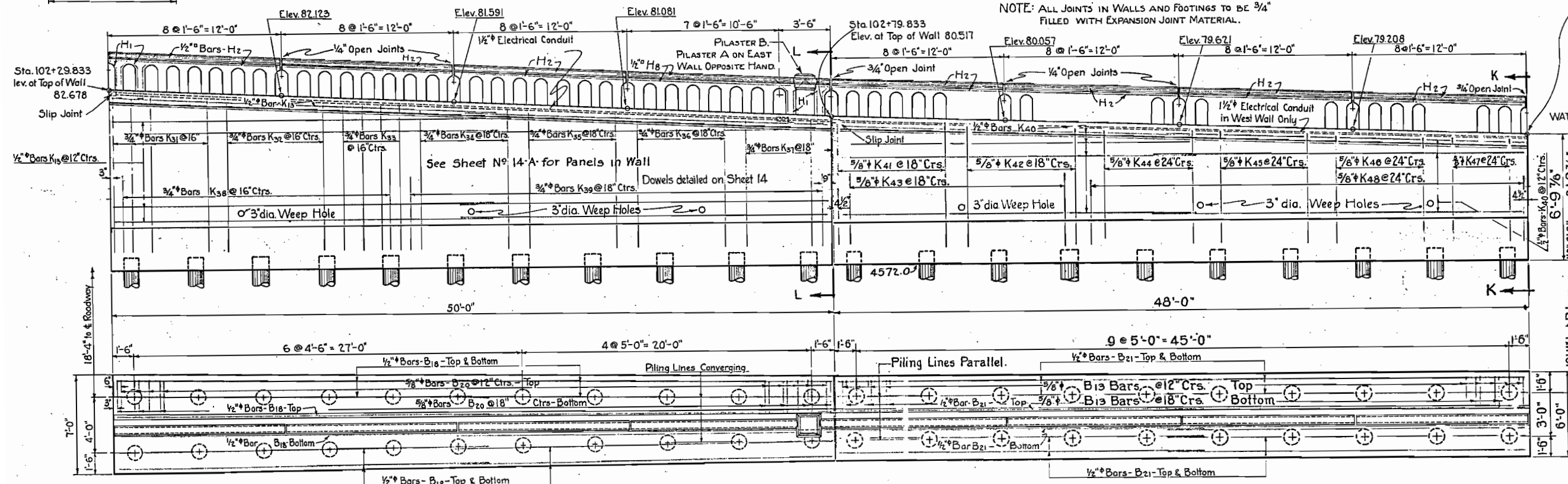
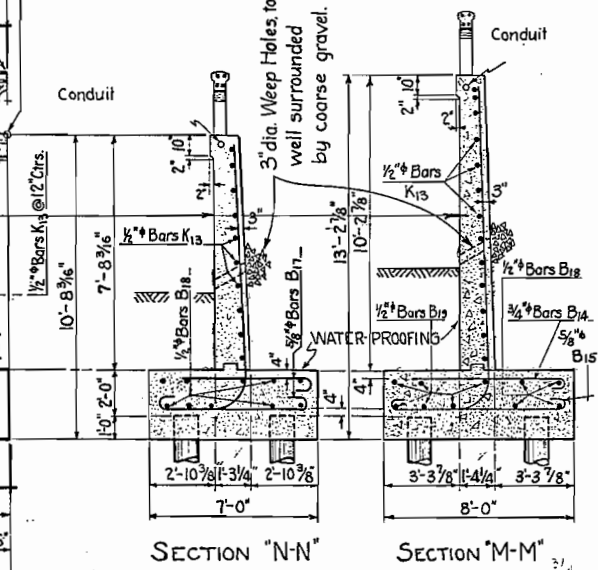
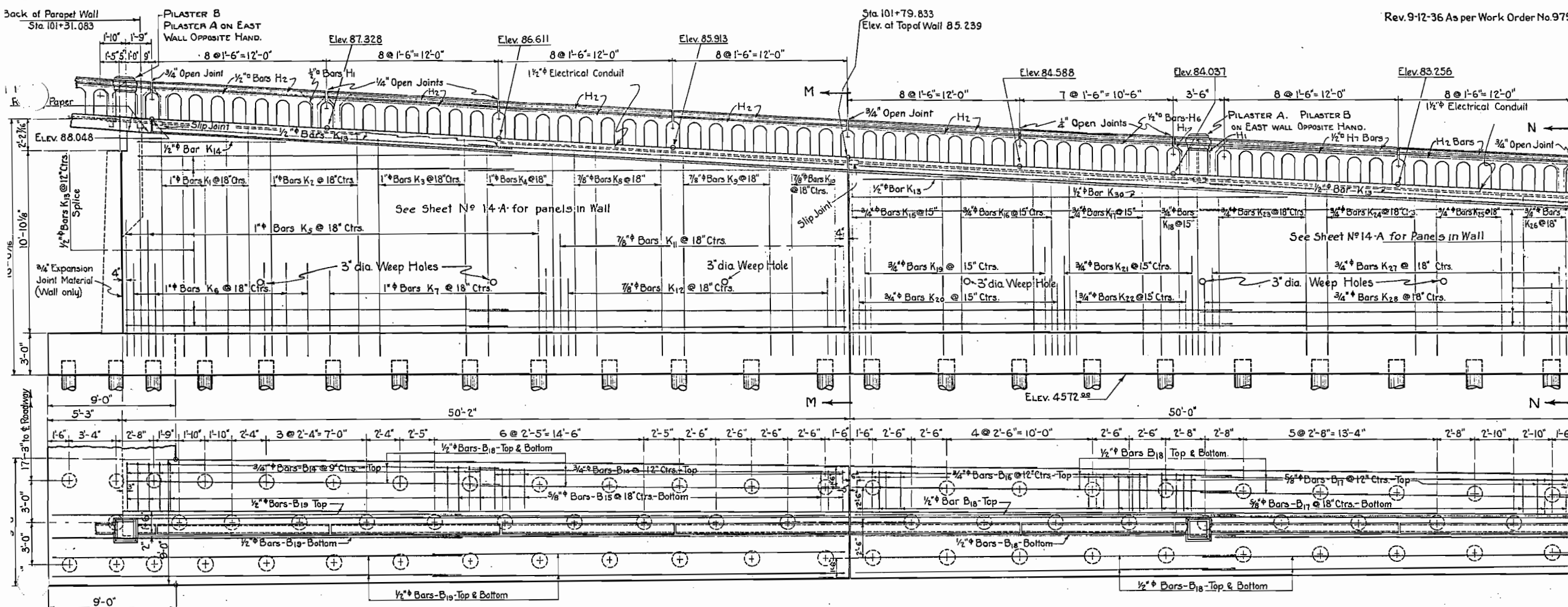
PIERS 12&15
 PIER 12 - STA. 95+40 - Average length of Piling = 13.3 Ft.
 PIER 15 - STA. 96+90 - " " " " = 11.4 Ft.

Back of Parapet Wall
Sta. 101+31.083

Rev. 9-12-36 As per Work Order No. 975 J.D.B.

FED. ROAD DIST. NO.	STATE	W.P.M. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	299-C	13	

Rev. 11-14-35 A.J.J.
Rev. 12-12-35 Added Notes for Panels H.W.V.
Revised 4-3-36: Add Dowels in Exp. Joints. W.C.C.
Rev. 5-7-36: E.W.T. Changed Elect. Conduit to both walls.



PART PLAN AND ELEVATION, SOUTH APPROACH RETAINING WALL.
WEST WALL SHOWN. EAST WALL OPPOSITE HAND. PILASTERS AS NOTED.

REFERENCE DRAWINGS:
See Sheet No. 3 for Index of Reference Drawings.
Work this Sheet with Sheet No. 14.

LOADING DATA.
LIVE LOAD = A. A. S. H. O. AUG. 1928 CLASS A. (H-15)
DEAD LOAD = ASSUMES 15 LBS. PER SQ. FT. ADDITIONAL WEARING SURFACE, WHICH INCLUDES THE 1/2 IN. CONCRETE MONOLITHIC WEARING SURFACE.

COLORADO
STATE HIGHWAY DEPARTMENT
SOUTH APPROACH WALLS
Sta. 101+31.08 to 103+27.83
Across D & R. G. W. R. R.
Sta. 88+00 to 105+00
So. 5th St. in Sec. 23T. 1S. R. 1W.
GRAND JUNCTION U.P.M.

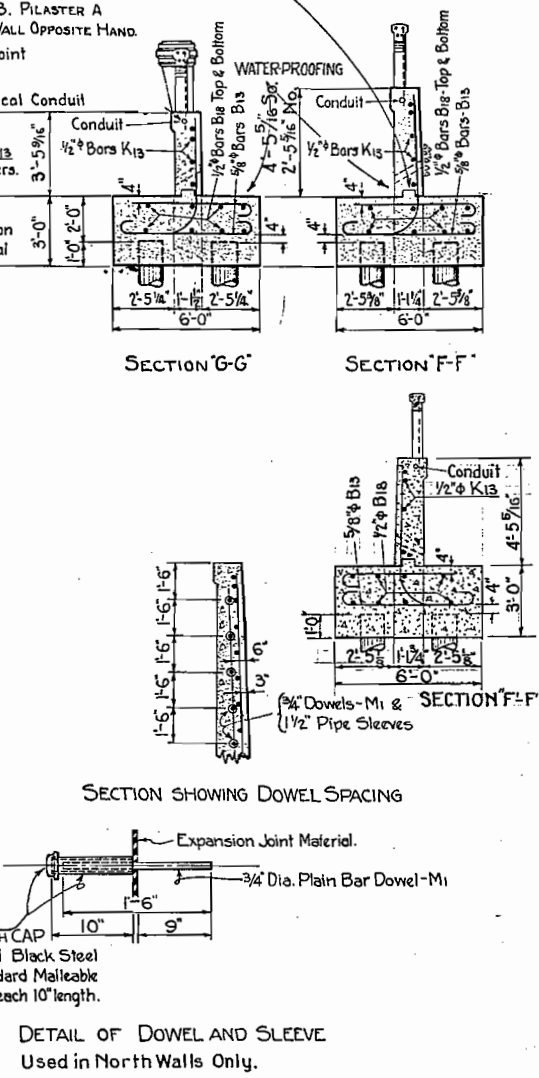
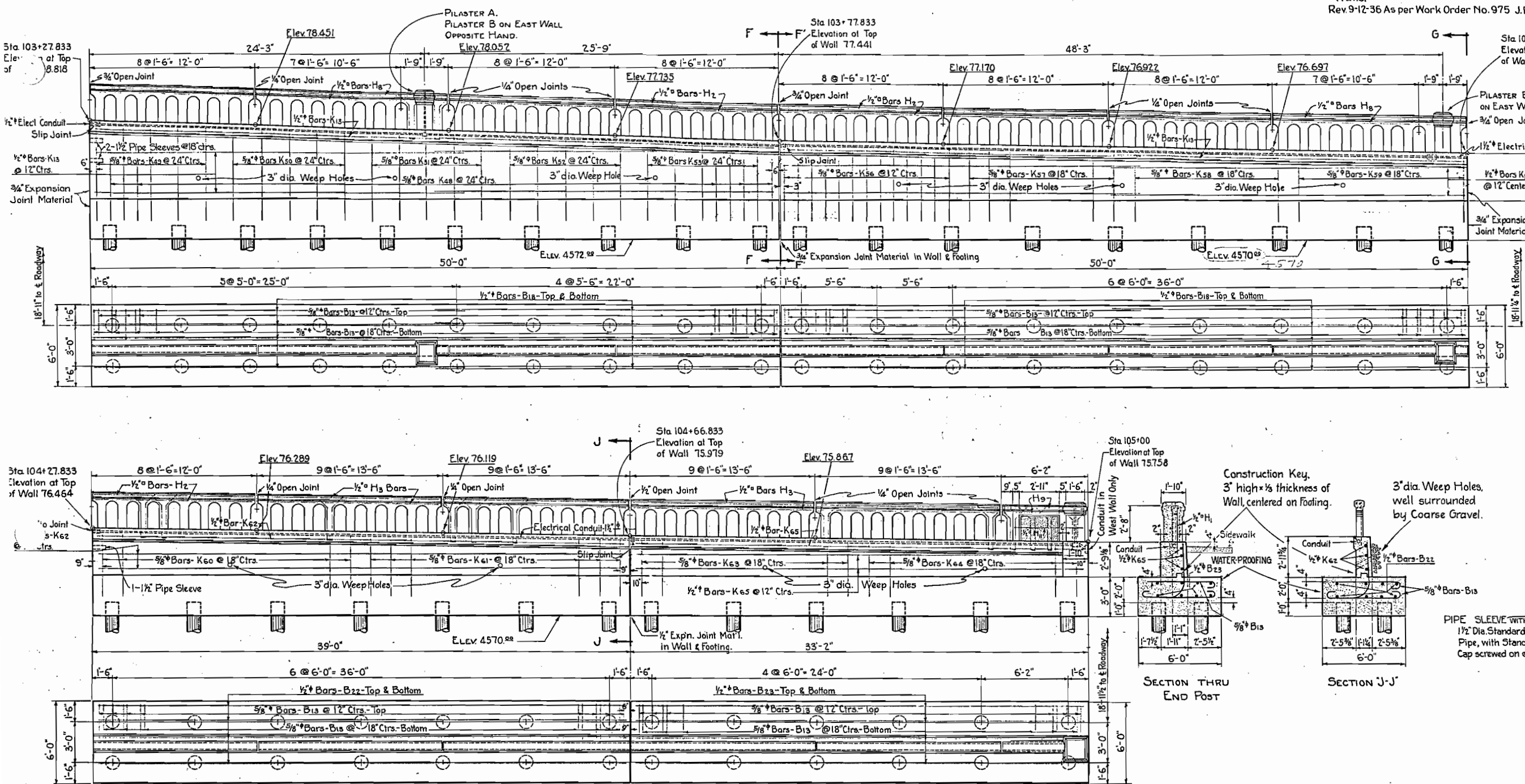
Designed by T.G.
Made by W.C.C.
Check Design
Check Detail W.C.C.

Approved by P.S. Bailey
Bridge Engineer
Date: Oct. 30, 1935

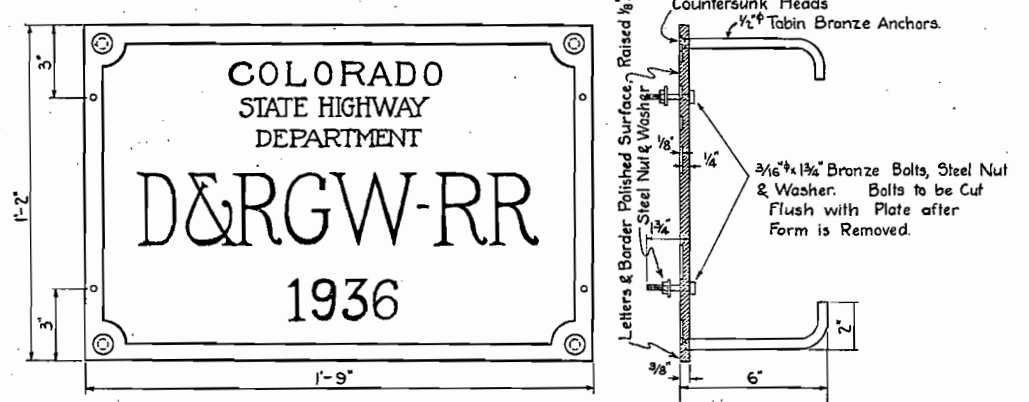
Rev. 5-7-36 E.W.T. Changed Elec. Conduit to Both walls.
 Rev. 9-12-36 As per Work Order No. 975 J.D.B.

FED. ROAD DIST. NO.	STATE	W.P.C.M. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	299-G	14	

Rev. 4-18-36-Corrected height of Wall, Sta. 105+00-W.C.C.
 Rev. 4-1-36-A.D.N. Construction Key. 3" high x 1/2 thickness of Wall, centered on footing.



PART PLAN AND ELEVATION, SOUTH APPROACH RETAINING WALL.
 WEST WALL SHOWN. EAST WALL OPPOSITE HAND. PILASTERS AS NOTED.



DETAIL OF BRONZE NAME PLATE
 2 Required - See Sheet 3 for Location.

REFERENCE DRAWINGS:

See Sheet No. 3 for Index of Reference Drawings.

Work this Sheet with Sheet No. 13

LOADING DATA.
 LIVE LOAD = A. A. S. H. O. AUG. 1928 CLASS A. (H-10)
 DEAD LOAD = ASSUMED 15 LBS. PER SQ. FT. ADDITIONAL WEARING SURFACE, WHICH INCLUDES THE 1/2 IN. CONCRETE MONOLITHIC WEARING SURFACE.

COLORADO
 STATE HIGHWAY DEPARTMENT

SOUTH APPROACH WALLS
 Sta. 103+27.83 to 105+00

Across D&RGW R.R.
 Sta. 88+00 to 105+00

So. 5th St.
 IN GRAND JUNCTION

Sec. 23.1 S. R. 1 W.
 U.P.M.

Designed by T.G.
 Made by W.C.C.
 Check Design
 Check Detail W.H.L.

Approved by P.J. Bailey
 Bridge Engineer
 Date: Oct. 30th, 1935

