

INDEX OF SHEETS

- 1 Title Sheet
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- 3-9 Bridge Details
- 10 Standard Methods for Superelevation and Widening Curves
- 10-A Standard Wire Fence with Steel Posts M-27-A
- 11 Structure Details
- 12 Details of Structures and Work on Northerly Approach
- 13 Details " " Southerly
- 14 Plan & Profile
- 15-31 Cross Sections

COLORADO

STATE HIGHWAY DEPARTMENT

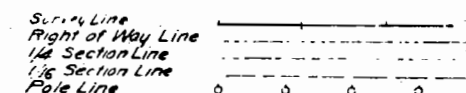
PLAN AND PROFILE OF PROPOSED

FEDERAL AID PROJECT NO. E-299-C

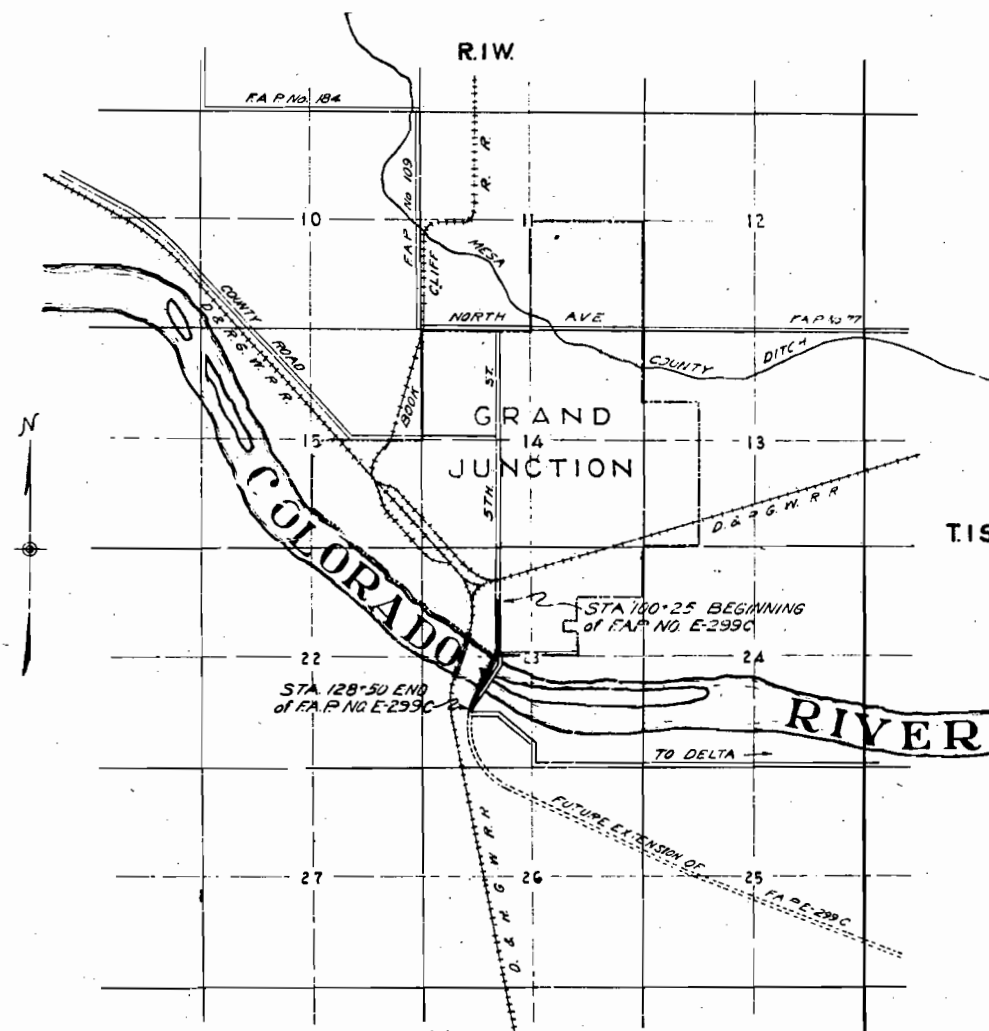
STATE HIGHWAY NO. 6

MESA COUNTY

CONVENTIONAL SIGNS



SCALES
 ON PLAN, 1 IN. = 100 FT.
 ON PROFILE 1 IN. = 100 FT. HORIZONTAL
 1 IN. = 10 FT. VERTICAL
 GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
 GROSS LENGTH OF PROJECT }
 NET LENGTH OF PROJECT } 2825 FT. - 0.535 MI.



SCALE 1 IN = 2000 FT

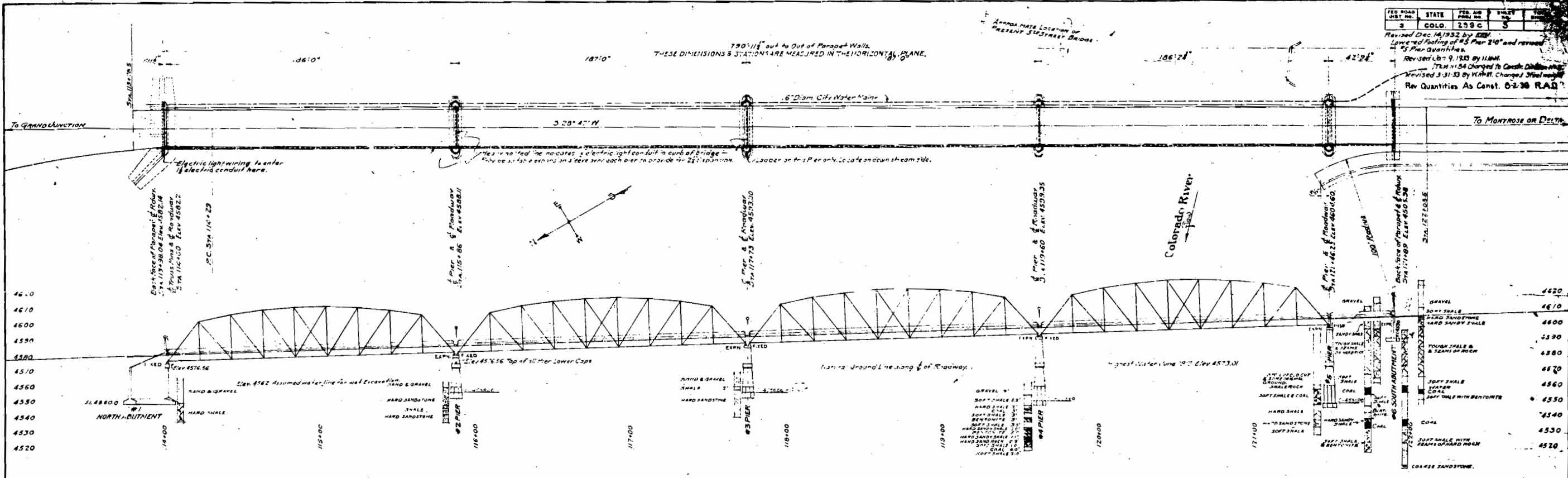
RECOMMENDED FOR APPROVAL
 [Signature]
 ASSISTANT ENGINEER

APPROVED
 [Signature]
 STATE HIGHWAY ENGINEER

RECOMMENDED FOR APPROVAL
 [Signature]
 DIST. ENG. BUREAU PUBLIC ROADS

RECOMMENDED FOR APPROVAL
 [Signature]
 CHIEF ENG. BUREAU PUBLIC ROADS

APPROVED
 [Signature]
 DIRECTOR BUREAU PUBLIC ROADS



SUMMARY OF QUANTITIES FOR ENTIRE BRIDGE												
ITEM NO	DESCRIPTION	UNIT	SUBSTRUCTURE						SUPERSTRUCTURE			TOTAL
			#1 NORTH ABUTMENT	#2 PIER	#3 PIER	#4 PIER	#5 PIER	#6 SOUTH ABUTMENT	FOUR 185' TRUSS SPANS	ONE 40' BEAM SPAN	PIER APPROACH SLABS	
14a	DRY ROCK STRUCTURAL EXCAVATION	CU. YD.	0	0	0	0	304.1	210.5				514.6
14b	DRY COMMON do do	CU. YD.	135.3	84	32.1	0	123.5	0		131.1		349.9
14c	WET ROCK do do	CU. YD.	266.0	830	970	64.5	209.6	0				1720.6
14d	WET COMMON do do	CU. YD.	455.6	337	21.1	129.1	3	0				859.5
16a	SPECIAL ROCK EXCAVATION	CU. YD.		37	46	55	643.0					843.0
16b	CLASS 'A' CONCRETE	CU. YD.	285	1454	1491	1987	62	608	477	26	30	9281.3
17	REINFORCING STEEL	LBS.	24250	1300	2000	2150	2930	4630	90320	5020	5260	137880
18	STRUCTURAL STEEL	LBS.		610	610	610	310	310	1210201	29850		1242801
51	BRONZE NAME PLATES	PCS.	1					1				2
52a	1 1/2" ELECTRIC CONDUIT	LINEAL FT.	48					44	843	40		935
53	GALV PIPE DRAIN 3" DIA. 1/4" LONG	PCS.							72			72
54a	10/12" ELECTRIC LIGHT STANDARDS COMPLETE	PCS.							6			6
54b	10/12" ELECTRIC LIGHT STANDARDS COMPLETE	PCS.	2					2				4
55a	1 1/2" 14 GA. CLAMPS	PAIRS							72			72
55b	EXPANSION JOINT MATERIAL 1/2" x 10"	LINEAL FT.						24				24
56a	DRAIN PIPE (FOR WEEP HOLE)	EACH	11									11

* WATER LINE FOR WET EXCAVATION AS SHOWN ON FIELD PLANS.
 * Includes 27 Cu. Yd. Class 'A' Concrete for Sidewalk.

REFERENCE DRAWINGS

Sheet N84 Details of 185' Span Steel Truss
 Sheet N85 do do do & Lamp Posts
 Sheet N86 Plan, Elevations & Bar List of Abutment N81
 Sheet N87 Sections & Details of Abutment N81
 Sheet N88 Piers N8 2, 3, 4 & 5
 Sheet N89 Abutment N86 & 40' Approach Spans Also Approach Slabs

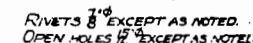
GENERAL NOTES

ALL WORK SHALL BE DONE ACCORDING TO THE STANDARD SPECIFICATIONS OF THE COLORADO STATE HIGHWAY DEPARTMENT ADOPTED JAN. 1, 1930.
 ALL CONCRETE SHALL BE CLASS 'A' EXCEPT BODY & FOOTINGS FOR PIERS WHICH SHALL BE CLASS 'B'.
 ALL EXPOSED SURFACES SHALL BE HURDED FREE OF FORM MARKS.
 ALL EXPOSED CORNERS EXCEPT ON HANDRAILS SHALL BE BEVELED TO A 2" FACE.
 FLOOR SLABS AND CURBS SHALL BE POURED MONOLITHICALLY.
 ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED BEFORE FRESH CONCRETE IS POURED.
 FOOTINGS IN ROCK SHALL BE POURED OUT TO THE ROCK AND NOT FORMED.
 MAIN BARS SHALL NOT BE SPLICED.
 THICKNESS OF FLOOR SLAB SHOWN INCLUDES 1/4" CONCRETE WEARING SURFACE.
 ALL REINFORCING BARS SHALL BE ROUNDED OR SQUARE, PLAIN OR DEFORMED AS SHOWN AND NOTED.
 ALL REINFORCING BARS SHALL BE TAGGED WITH THE STATION NUMBERT AND LETTER DESIGNATION.
 SECONDARY BARS WHEN SPLICED SHALL BE GIVEN A LAP OF 80 DIAMETERS.
 BOUNDINGS AND DEPTH OF FOOTINGS SHOWN ARE ACCORDING TO THE BEST AVAILABLE DATA. IF ESSENTIALLY DIFFERENT CONDITIONS ARE ENCOUNTERED, THE BRIDGE ENGINEER WILL INSPECT AND DETERMINE IF REDSIGN IS NECESSARY.

NOTE - For Details of Sidewalk that was added see S.P. 506 (1933)

COLORADO
STATE HIGHWAY DEPARTMENT
GENERAL LAYOUT
SUMMARY OF QUANTITIES
GENERAL NOTES
 ACROSS COLORADO RIVER
 Sta. 113+00.04 TO 121+88
 NEAR GRAND JUNCTION SEC. 23T. 16. N. 1. W.
 Designed by H.B. Approved by R.L. B. 1933
 Made by L.W. Bridge Engineer
 Checked by Date: Nov. 20 1933

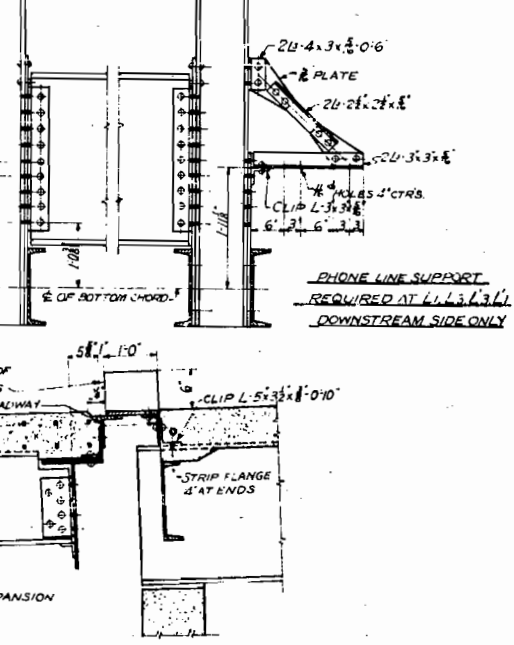
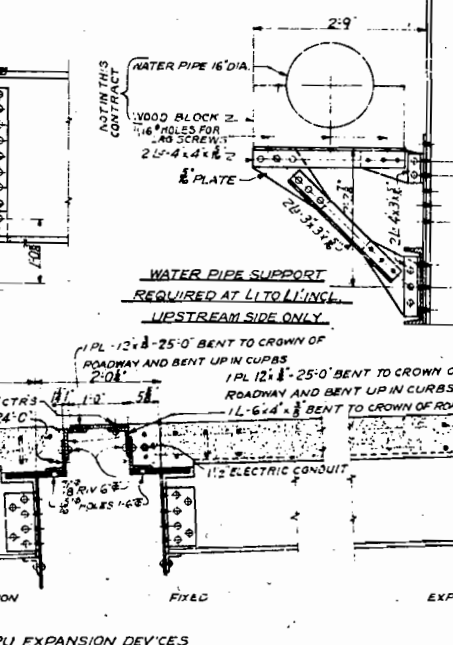
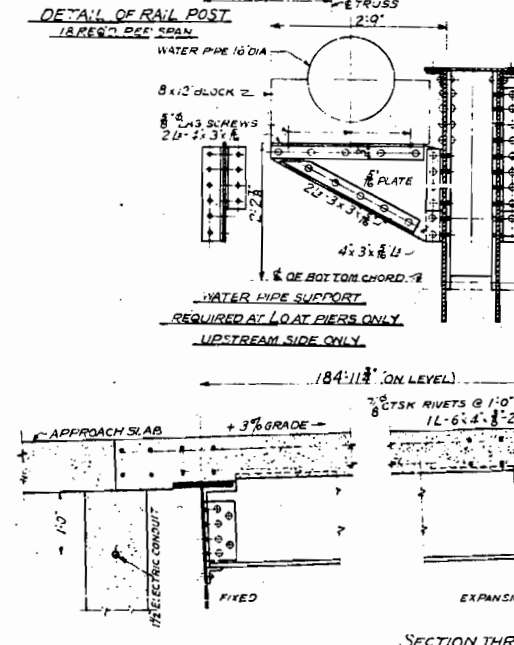
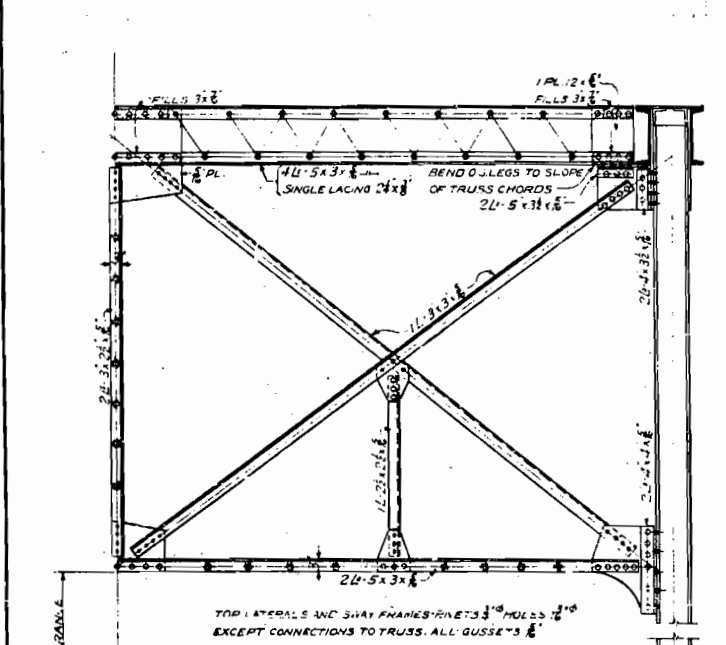
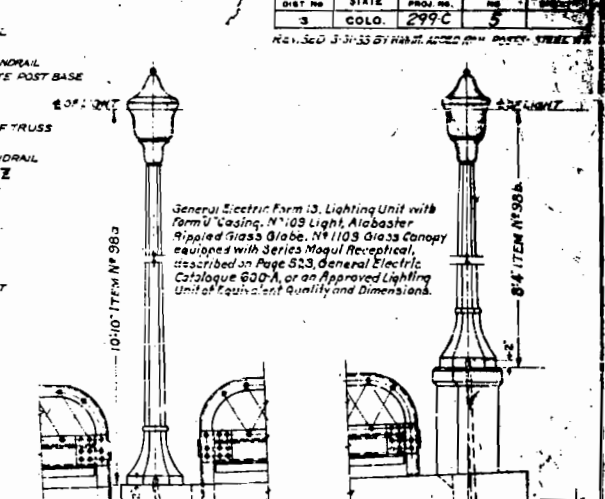
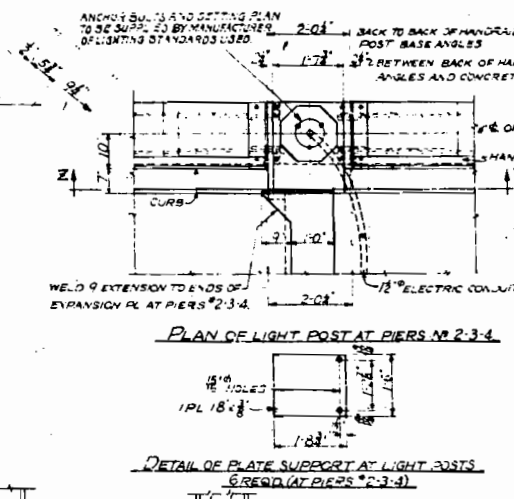
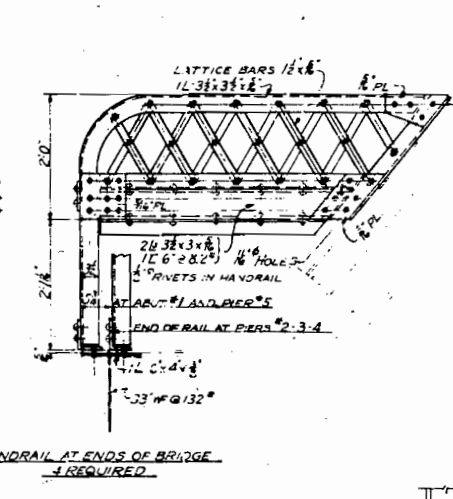
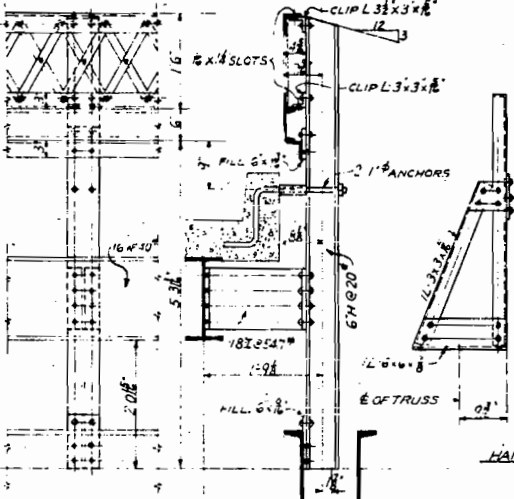
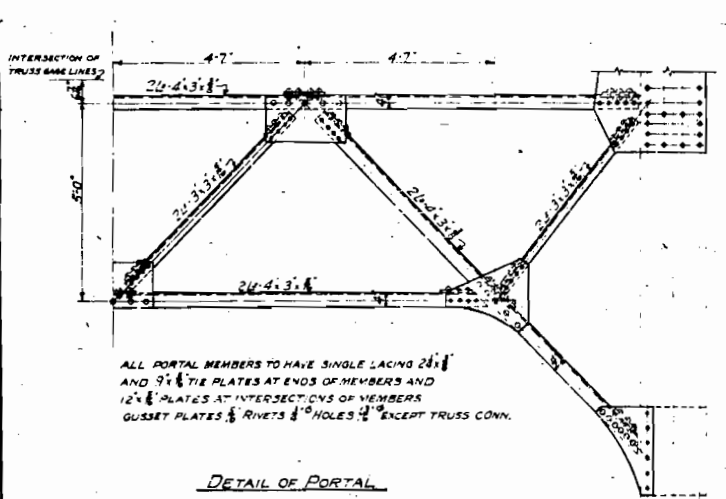
NAME PLATE
REQUIRED: CAST IRON
LETTERS AND BORDER TO BE RAISED 1/8"
PLACE ONE ON RIGHT HAND END POST
AT EACH END OF BRIDGE.



CONCRETE FLOOR
 Across COLORADO RIVER
 Sta. 113 + 98.04 to 121 + 89.00
 Near GRAND JUNCTION Sec. 23 T. 1 S. R. 100 N

Designed by K.B.	Approved by <i>P. J. Bailey</i>
Made by W.M.M.	Bridge Engineer
Checked by	Date: Nov. 20, 1982

STRUCTURE NO: H-24



SECTION 7-7 LIGHT POST AT SOUTH END OF BRIDGE

ESTIMATED QUANTITIES FOR ONE SPAN OF SUPERSTRUCTURE

ITEM	DESCRIPTION	UNIT	TOTAL
46	CONCRETE CLASS 'A'	CU.YD.	119.2
47	REINFORCING STEEL INCLUDES 1/2" OVERLAP	LBS.	22,580
48	STRUCTURAL STEEL INCLUDES 1/2" OVERLAP	LBS.	304,800
89	DRAIN PIPES 3 DIA. X 4' GALVANIZED PIPE EACH	18	
89x	1/2" X 14 GA. CLAMPS	PAIR	72

* INCLUDES 2" O.D. CAST STEEL SHOES, ALSO 1400 LBS. WATER PIPE & PHONE BRACKETS
** WEIGHTS CALCULATED FROM DESIGN PLANS AND ARE THEREFORE APPROXIMATE ONLY.

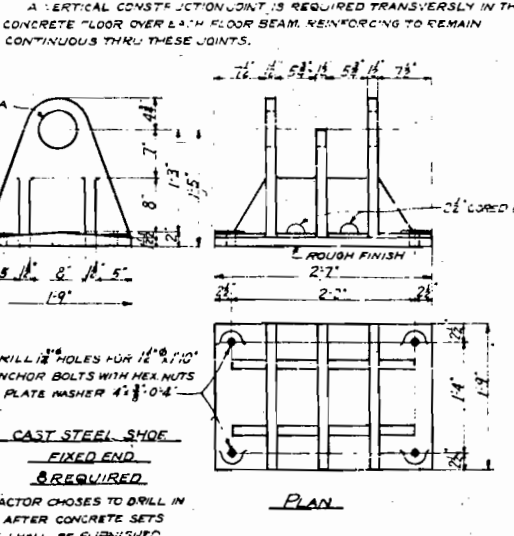
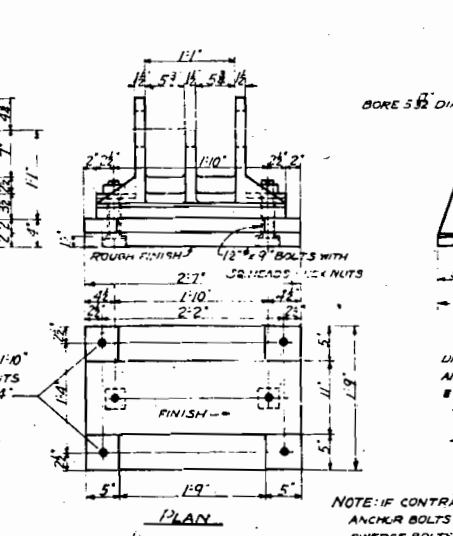
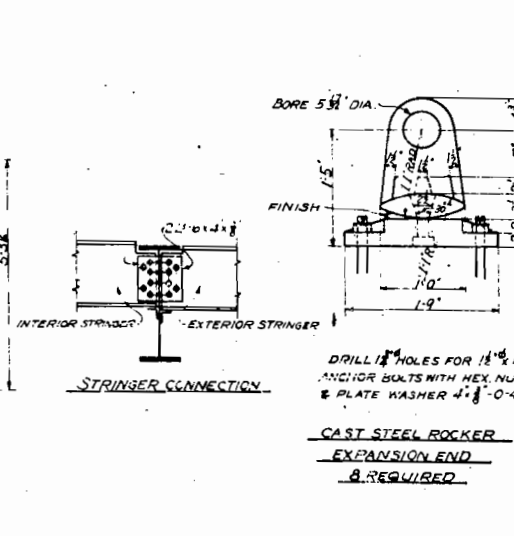
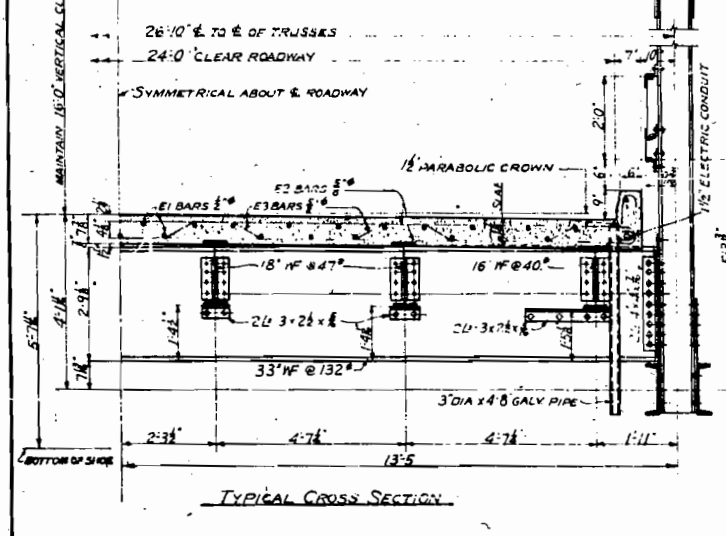
BAR LIST FOR ONE SPAN OF SUPERSTRUCTURE

BAR NO.	SIZE	LENGTH	BENDING DIAGRAM
E1	20S	38'-9"	
E2	497	26'-0"	
E3	124	27'-7"	

7944 LINEAL FT. OF 1/2" BARS @ 46S PER LINEAL FT. = 5307 LBS.
16342 LINEAL FT. OF 1/2" BARS @ 104S PER LINEAL FT. = 17045 LBS.
PLUS 1/2" FOR OVERLAP = 225 LBS.
TOTAL = 22,580 LBS.

REFERENCE DRAWINGS
SHEET NO. 3 GENERAL LAYOUT, SUMMARY OF QUANTITIES AND GENERAL NOTES
SHEET NO. 4 DETAIL OF 135 FT. SPAN STEEL TRUSS
SHEET NO. 6 DETAIL OF ABUTMENT NO. 1
SHEET NO. 7 SECTIONS AND DETAILS OF ABUTMENT NO. 1
SHEET NO. 8 PIERS 2, 3, 4 & 5
SHEET NO. 9 ABUTMENT NO. 6, 40 FT. APPROACH SPAN AND SLABS.

SPECIAL NOTES
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE COLORADO STATE HIGHWAY DEPT. ADOPTED JAN. 1930.
ALL RIVETS SHALL BE 1/2" EXCEPT AS NOTED ON DRAWINGS.
ALL FIELD CONNECTIONS SHALL BE POWER RIVETED.
ROADWAY FLOOR SLAB AS SHOWN INCLUDES 3" POLYETHYLENE MEASURING SURFACE.
FOR GENERAL NOTES ON CONCRETE & SUBSTRUCTURE DETAILS SEE SHEET FABRICATOR SHALL FURNISH ONE PILOT NUT AND ONE DRIVING NUT AS PER SPECIFICATIONS F-16 & 119.



SECTION 7-7 LIGHT POST AT SOUTH END OF BRIDGE

ESTIMATED QUANTITIES FOR ONE SPAN OF SUPERSTRUCTURE

ITEM	DESCRIPTION	UNIT	TOTAL
46	CONCRETE CLASS 'A'	CU.YD.	119.2
47	REINFORCING STEEL INCLUDES 1/2" OVERLAP	LBS.	22,580
48	STRUCTURAL STEEL INCLUDES 1/2" OVERLAP	LBS.	304,800
89	DRAIN PIPES 3 DIA. X 4' GALVANIZED PIPE EACH	18	
89x	1/2" X 14 GA. CLAMPS	PAIR	72

* INCLUDES 2" O.D. CAST STEEL SHOES, ALSO 1400 LBS. WATER PIPE & PHONE BRACKETS
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16342 LINEAL FT. OF 1/2" BARS @ 104S PER LINEAL FT. = 17045 LBS.
PLUS 1/2" FOR OVERLAP = 225 LBS.
TOTAL = 22,580 LBS.

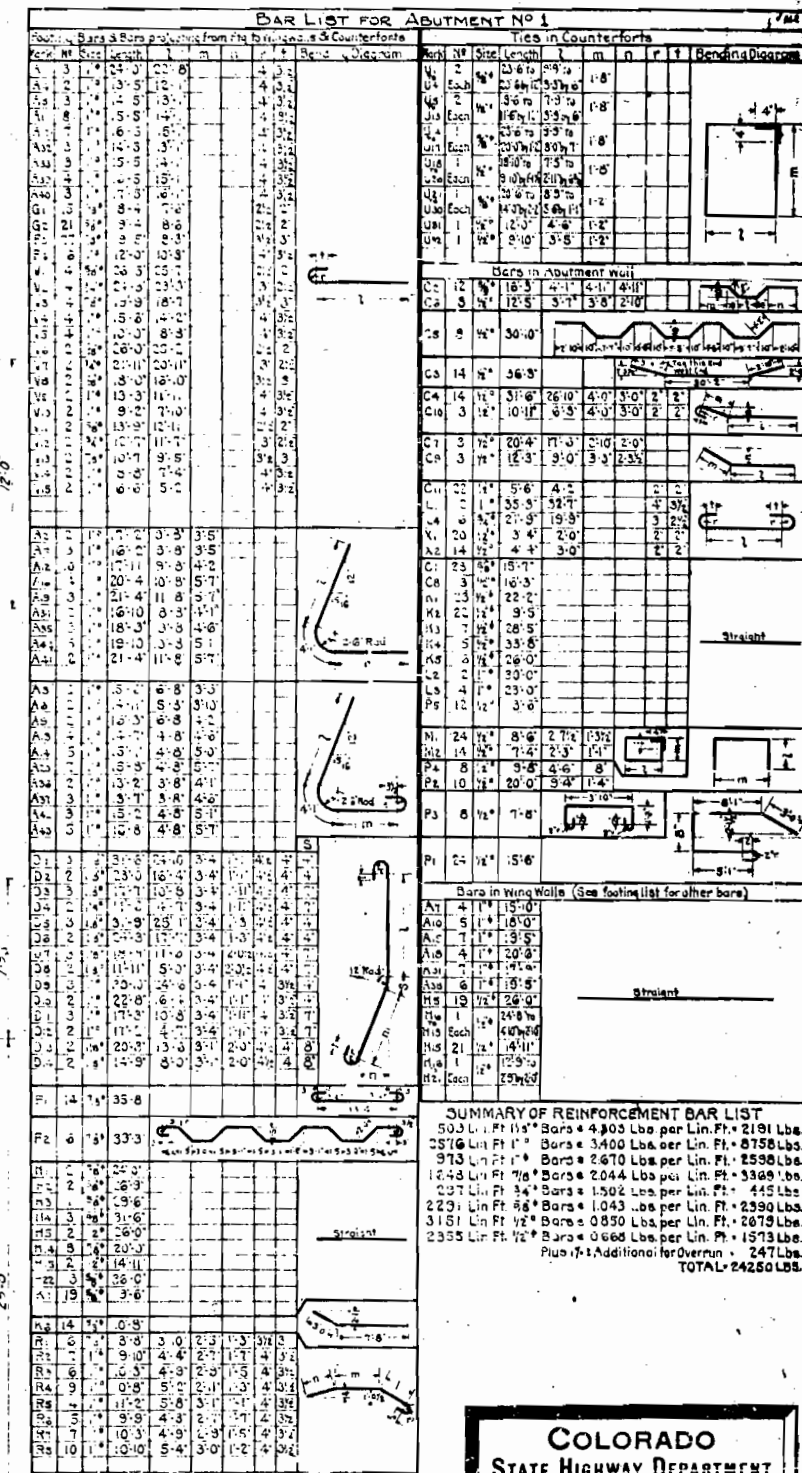
REFERENCE DRAWINGS
SHEET NO. 3 GENERAL LAYOUT, SUMMARY OF QUANTITIES AND GENERAL NOTES
SHEET NO. 4 DETAIL OF 135 FT. SPAN STEEL TRUSS
SHEET NO. 6 DETAIL OF ABUTMENT NO. 1
SHEET NO. 7 SECTIONS AND DETAILS OF ABUTMENT NO. 1
SHEET NO. 8 PIERS 2, 3, 4 & 5
SHEET NO. 9 ABUTMENT NO. 6, 40 FT. APPROACH SPAN AND SLABS.

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ALL RIVETS SHALL BE 1/2" EXCEPT AS NOTED ON DRAWINGS.
ALL FIELD CONNECTIONS SHALL BE POWER RIVETED.
ROADWAY FLOOR SLAB AS SHOWN INCLUDES 3" POLYETHYLENE MEASURING SURFACE.
FOR GENERAL NOTES ON CONCRETE & SUBSTRUCTURE DETAILS SEE SHEET FABRICATOR SHALL FURNISH ONE PILOT NUT AND ONE DRIVING NUT AS PER SPECIFICATIONS F-16 & 119.

COLORADO STATE HIGHWAY DEPARTMENT
185 FT. SPAN STEEL THRU TRUSS
24 FT. CLEAR ROADWAY
CONCRETE FLOOR

Across COLORADO RIVER
Sta. 113+98.04 TO 121+02.00
Near GRAND KUNCTION Sec. 23 T. 15 R. 100W

Designed by R.D. Bridge Engineer
Checked by W.H.M.
Approved by C.D. Bailey
Date: Nov 20 1932



~ REFERENCE DRAWINGS ~

SHEET NO 3 GENERAL LAYOUT, SUMMARY OF QUANTITIES
AND GENERAL NOTES.

SHEET NO 4 DETAILS OF 185 FT SPAN STEEL TRUSS.

SHEET NO 5 41/2 MPD 30

SHEET NO 7 SECTIONS AND DETAILS OF ABUTMENT NO 1.

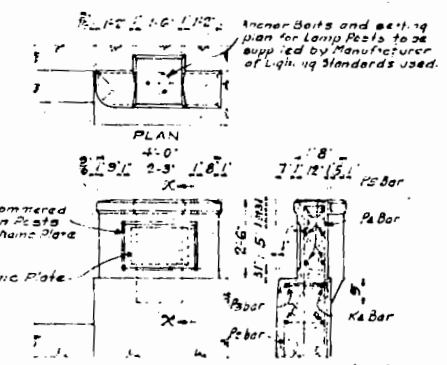
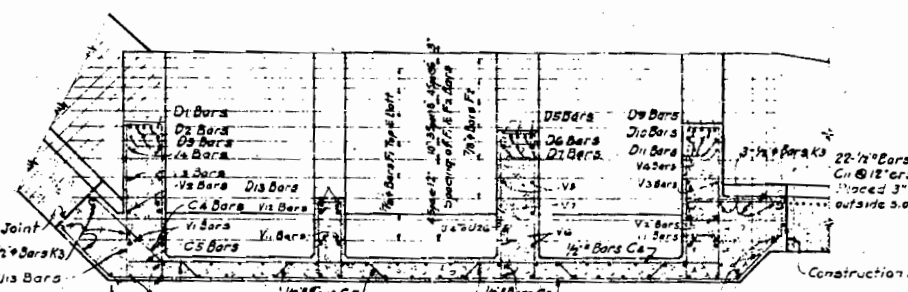
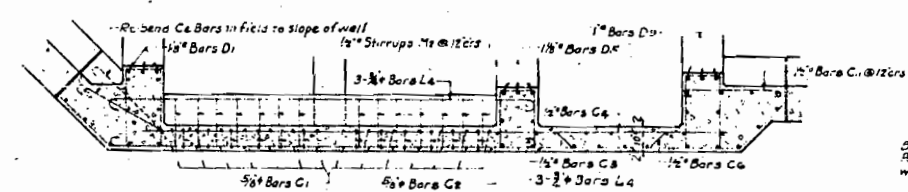
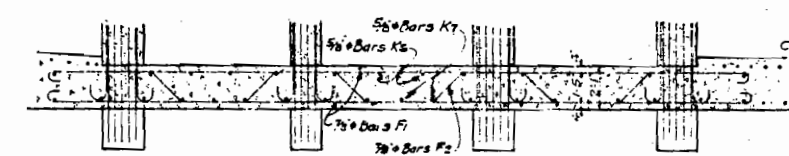
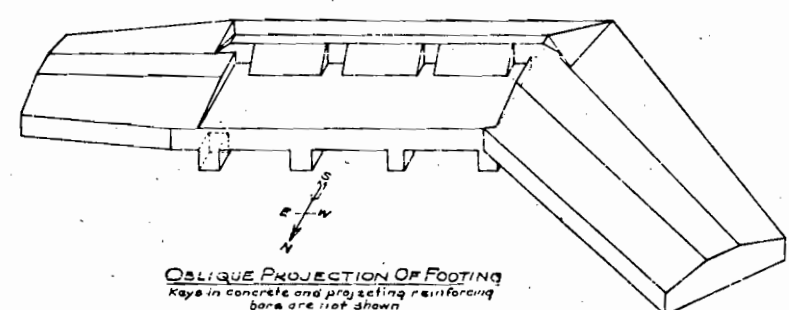
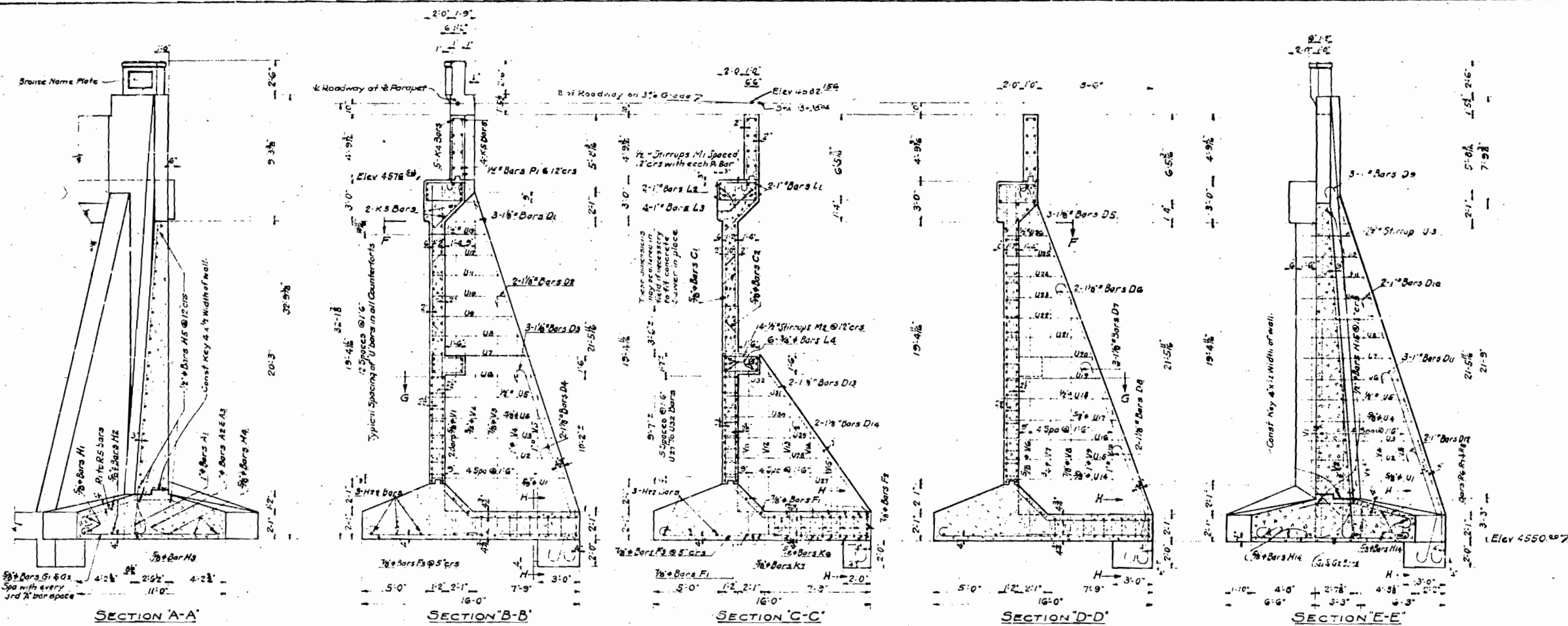
SHEET NO 8 PIERS NO 2, 3, 4 AND 5.

SHEET NO 9 ABUTMENT NO 6 AND 40 FT APPROACH SPAN.

COLORADO
STATE HIGHWAY DEPARTMENT
PLAN, ELEVATION AND BAR LIST OF
(NORTH) ABUTMENT NO 1
FOR BRIDGE AT 5TH STREET,
ACROSS COLORADO RIVER
Sta. 110 + 96.04 TO 121 + 69.00
AT GRAND JUNCTION SE. 23T. 18 R. 100W

Designed by KB	Approved by <i>C. E. Relyea</i>
Made by AQK	Bridge Engineer.
Checked by ALC	Date: <i>Nov. 30th 1932</i>

Revised 12-14-32 by WWD
Steel edge distance added.



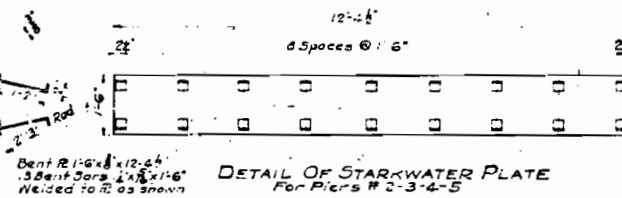
COLORADO
STATE HIGHWAY
DEPARTMENT
COLORADO RIVER
1933

DETAIL OF BRONZE NAME PLATE
2-READ
Place one on North West End Post and
one on South East End Post of Bridge.
Design to be approved by Bridge Engineer.

DETAIL OF NORTH WEST END POST
No EAST END POST SIMILAR BUT OPP HAND

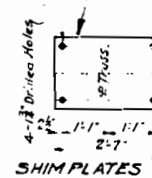
REFERENCE DRAWINGS.
Sheet No. 3 General Layout Summary of Quantities
and General Notes.
Sheet No. 4 Details of 185 ft Span Steel Truss.
Sheet No. 5 Details of 185 ft Span Steel Truss & Lamp Posts.
Sheet No. 6 Plan, Elevation & Bar List of Abutment No. 1.
Sheet No. 8 Piers No. 2, 3, 4 and 5.
Sheet No. 9 Abutment No. 6, 40 ft Approach Span & Slabs.

COLORADO
STATE HIGHWAY DEPARTMENT
SECTIONS & DETAILS
OF ABUTMENT NO. 1
FOR BRIDGE AT 5TH ST.
Across Colorado River
Sta. 113+98.94 to 121+89.94
At Grand Junction Sec. 23 T. 1 S. R. 100 W.
Designed by K.B. Approved by J.B. Bailey
Made by W.W.D. Bridge Engineer
Checked by A.L.C. Date: Nov. 30, 1932.

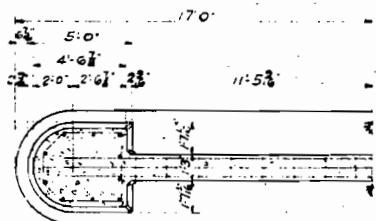


SECTION "A-A" PLAN LOWER CAP.
(All Piers alike except as noted)
14'-3" 14'-3"

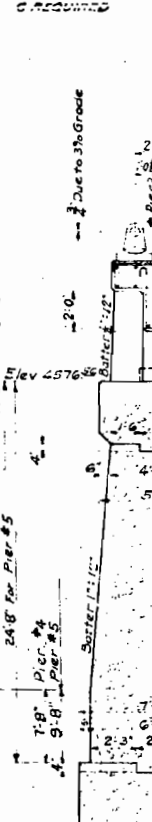
DETAIL OF STARKWATER PLATE
For Piers # 2-3-4-5



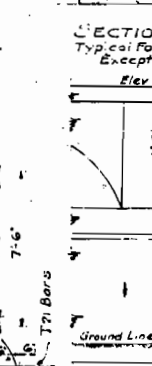
PLAN PIER UPPER CAP
(All Piers alike except as noted on No 5)



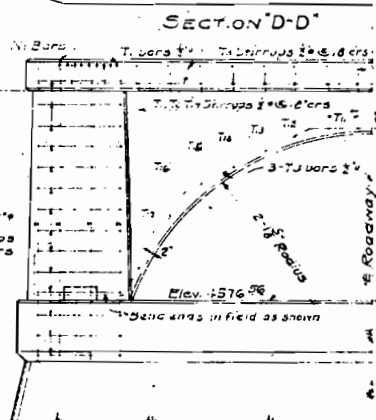
SECTION D-D'



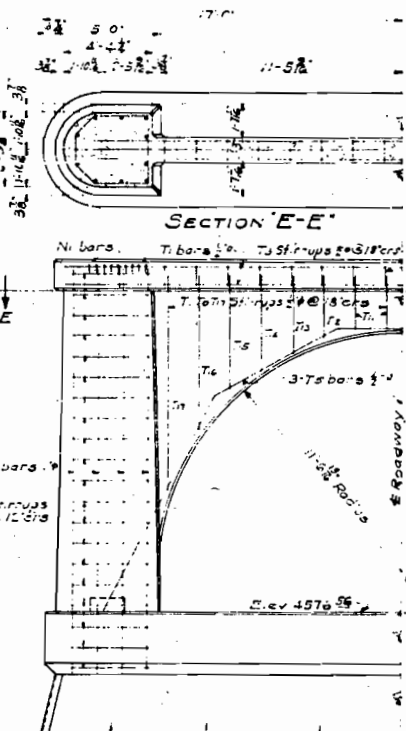
8- NOTE: Footings Poured to Rock.
SIDE ELEVATION OF PIER No 2
Typical For all Piers Except As Noted in Other Details



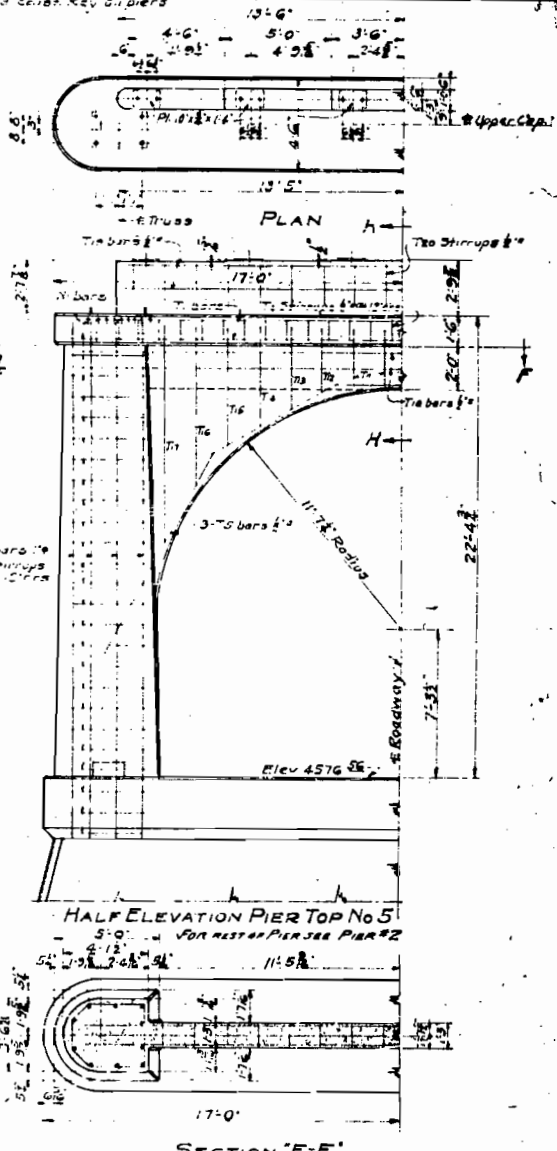
SECTIONAL PLAN 'C-C'
Typical For All Piers



HALF ELEVATION PIER TOP No.3
For Details & Dimensions of Lower Cap
and Pier Footing See Pier No.2

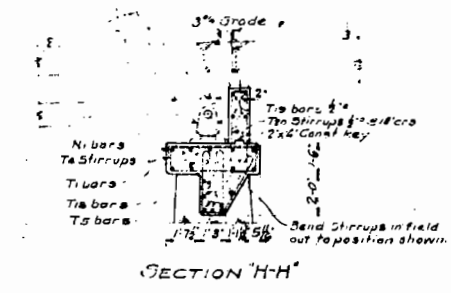


HALF ELEVATION PIER TOP No 4
FOR REST OF PIER SEE PIER #2



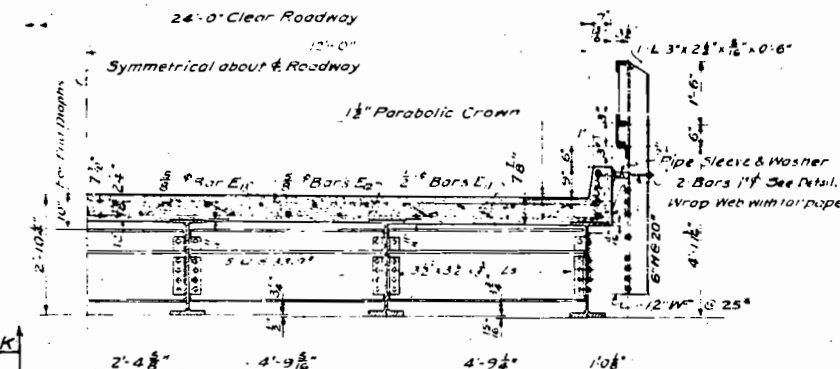
HALF ELEVATION PIER TOP No 5
5'-0" FOR REST OF PIER SEE PIER #.

SECTION "F-F"

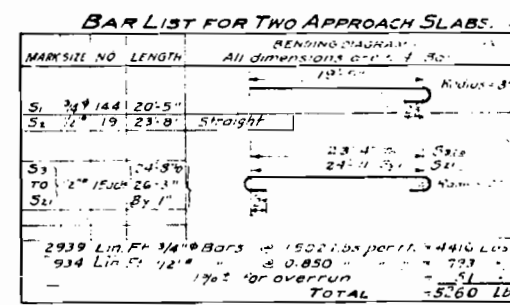
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SECTION "H-H"

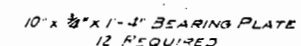
COLORADO
STATE HIGHWAY DEPARTMENT
PIERS FOR BRIDGE AT 5th ST.
PIERS No 2-3-4 & 5
Across Colorado River
Sta. 113 + 98.5 to 121 + 85.4
At Grand Junction See ZNT 1, S. 100 W.
Designed by **ELMS** Approved by **Carl Bailey**
Made by **W.V.D.** Bridge Engineer
Checked by **W.M.M.** Date **Nov. 20th 1938.**



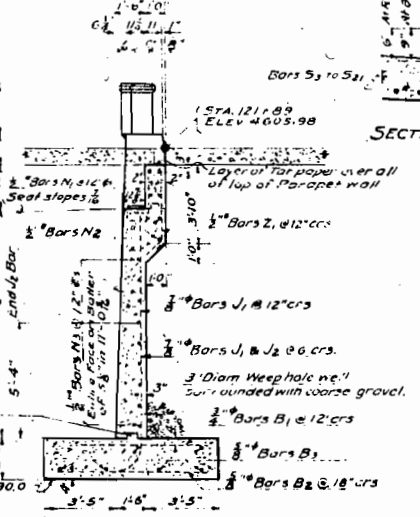
SECTION I-I.



BAR LIST FOR TWO APPROACH SLABS



SECTION M-M.



SECTION X-X

BAR LIST FOR 40' APPROACH SPAN & ABUTMENT NO. 6

BENDING DIAGRAMS
 All dimensions are to $\frac{1}{8}$ of bars

Bar 1: 1/4" #11 7'-0"
Bar 2: 1/4" #11 6'-5"

Bar 3: 1/4" #11 26'-0"
Bar 4: 1/4" #11 27'-7"

Bar 5: 1/4" #11 17'-2"
Bar 6: 1/4" #11 11'-0"
Bar 7: 1/4" #11 20'-0"
Bar 8: 1/4" #11 3'-0"
Bar 9: 1/4" #11 18'-0"
Bar 10: 1/4" #11 19'-3"
Bar 11: 1/4" #11 23'-6"
Bar 12: 1/4" #11 24'-10"
Bar 13: 1/4" #11 17'-10"
Bar 14: 1/4" #11 23'-10"
Bar 15: 1/4" #11 4'-0"
Bar 16: 1/4" #11 7'-0"
Bar 17: 1/4" #11 3'-0"
Bar 18: 1/4" #11 6'-2"
Bar 19: 1/4" #11 21'-8"
Bar 20: 1/4" #11 10'-0"
Bar 21: 1/4" #11 8'-6"

Bar 22: 1/4" #11 8'-6"

Bar 23: 1/4" #11 8'-6"

Bar 24: 1/4" #11 8'-6"

Bar 25: 1/4" #11 8'-6"

Bar 26: 1/4" #11 8'-6"

Bar 27: 1/4" #11 8'-6"

Bar 28: 1/4" #11 8'-6"

Bar 29: 1/4" #11 8'-6"

Bar 30: 1/4" #11 8'-6"

Bar 31: 1/4" #11 8'-6"

Bar 32: 1/4" #11 8'-6"

Bar 33: 1/4" #11 8'-6"

Bar 34: 1/4" #11 8'-6"

Bar 35: 1/4" #11 8'-6"

Bar 36: 1/4" #11 8'-6"

Bar 37: 1/4" #11 8'-6"

Bar 38: 1/4" #11 8'-6"

Bar 39: 1/4" #11 8'-6"

Bar 40: 1/4" #11 8'-6"

Bar 41: 1/4" #11 8'-6"

Bar 42: 1/4" #11 8'-6"

Bar 43: 1/4" #11 8'-6"

Bar 44: 1/4" #11 8'-6"

Bar 45: 1/4" #11 8'-6"

Bar 46: 1/4" #11 8'-6"

Bar 47: 1/4" #11 8'-6"

Bar 48: 1/4" #11 8'-6"

Bar 49: 1/4" #11 8'-6"

Bar 50: 1/4" #11 8'-6"

Bar 51: 1/4" #11 8'-6"

Bar 52: 1/4" #11 8'-6"

Bar 53: 1/4" #11 8'-6"

Bar 54: 1/4" #11 8'-6"

Bar 55: 1/4" #11 8'-6"

Bar 56: 1/4" #11 8'-6"

Bar 57: 1/4" #11 8'-6"

Bar 58: 1/4" #11 8'-6"

Bar 59: 1/4" #11 8'-6"

Bar 60: 1/4" #11 8'-6"

Bar 61: 1/4" #11 8'-6"

Bar 62: 1/4" #11 8'-6"

Bar 63: 1/4" #11 8'-6"

Bar 64: 1/4" #11 8'-6"

Bar 65: 1/4" #11 8'-6"

Bar 66: 1/4" #11 8'-6"

Bar 67: 1/4" #11 8'-6"

Bar 68: 1/4" #11 8'-6"

Bar 69: 1/4" #11 8'-6"

Bar 70: 1/4" #11 8'-6"

Bar 71: 1/4" #11 8'-6"

Bar 72: 1/4" #11 8'-6"

Bar 73: 1/4" #11 8'-6"

Bar 74: 1/4" #11 8'-6"

Bar 75: 1/4" #11 8'-6"

Bar 76: 1/4" #11 8'-6"

Bar 77: 1/4" #11 8'-6"

Bar 78: 1/4" #11 8'-6"

Bar 79: 1/4" #11 8'-6"

Bar 80: 1/4" #11 8'-6"

Bar 81: 1/4" #11 8'-6"

Bar 82: 1/4" #11 8'-6"

Bar 83: 1/4" #11 8'-6"

Bar 84: 1/4" #11 8'-6"

Bar 85: 1/4" #11 8'-6"

Bar 86: 1/4" #11 8'-6"

Bar 87: 1/4" #11 8'-6"

Bar 88: 1/4" #11 8'-6"

Bar 89: 1/4" #11 8'-6"

Bar 90: 1/4" #11 8'-6"

Bar 91: 1/4" #11 8'-6"

Bar 92: 1/4" #11 8'-6"

Bar 93: 1/4" #11 8'-6"

Bar 94: 1/4" #11 8'-6"

Bar 95: 1/4" #11 8'-6"

Bar 96: 1/4" #11 8'-6"

Bar 97: 1/4" #11 8'-6"

Bar 98: 1/4" #11 8'-6"

Bar 99: 1/4" #11 8'-6"

Bar 100: 1/4" #11 8'-6"

Bar 101: 1/4" #11 8'-6"

Bar 102: 1/4" #11 8'-6"

Bar 103: 1/4" #11 8'-6"

Bar 104: 1/4" #11 8'-6"

Bar 105: 1/4" #11 8'-6"

Bar 106: 1/4" #11 8'-6"

Bar 107: 1/4" #11 8'-6"

Bar 108: 1/4" #11 8'-6"

Bar 109: 1/4" #11 8'-6"

Bar 110: 1/4" #11 8'-6"

Bar 111: 1/4" #11 8'-6"

Bar 112: 1/4" #11 8'-6"

Bar 113: 1/4" #11 8'-6"

Bar 114: 1/4" #11 8'-6"

Bar 115: 1/4" #11 8'-6"

Bar 116: 1/4" #11 8'-6"

Bar 117: 1/4" #11 8'-6"

Bar 118: 1/4" #11 8'-6"

Bar 119: 1/4" #11 8'-6"

Bar 120: 1/4" #11 8'-6"

Bar 121: 1/4" #11 8'-6"

Bar 122: 1/4" #11 8'-6"

Bar 123: 1/4" #11 8'-6"

Bar 124: 1/4" #11 8'-6"

Bar 125: 1/4" #11 8'-6"

Bar 126: 1/4" #11 8'-6"

Bar 127: 1/4" #11 8'-6"

Bar 128: 1/4" #11 8'-6"

Bar 129: 1/4" #11 8'-6"

Bar 130: 1/4" #11 8'-6"

Bar 131: 1/4" #11 8'-6"

Bar 132: 1/4" #11 8'-6"

Bar 133: 1/4" #11 8'-6"

Bar 134: 1/4" #11 8'-6"

Bar 135: 1/4" #11 8'-6"

Bar 136: 1/4" #11 8'-6"

Bar 137: 1/4" #11 8'-6"

Bar 138: 1/4" #11 8'-6"

Bar 139: 1/4" #11 8'-6"

Bar 140: 1/4" #11 8'-6"

Bar 141: 1/4" #11 8'-6"

Bar 142: 1/4" #11 8'-6"

Bar 143: 1/4" #11 8'-6"

Bar 144: 1/4" #11 8'-6"

Bar 145: 1/4" #11 8'-6"

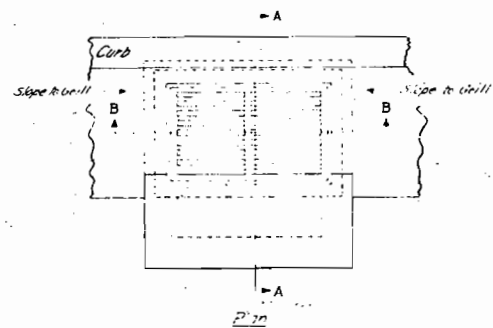
Bar 146: 1/4" #11 8'-6"

Bar 147: 1/4" #11 8'-6"

Bar 148: 1/4

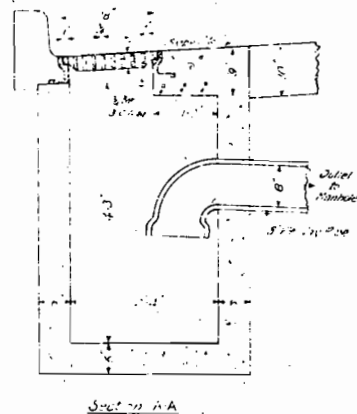
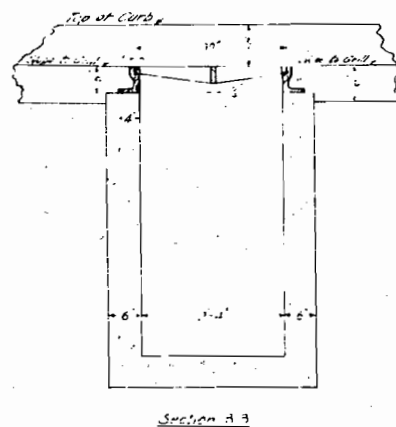
COLORADO
STATE HIGHWAY DEPARTMENT
 40' SPAN x 24'-0" WIDE I-BEAM
 CONCRETE APPROACH SPAN
 AND DETAILS FOR ABUTMENT NO. 6
 Across COLORADO RIVER
 Sta. 03+98.04 to 021+89.00
 Near Grand Junction, Colo. 237.1 S. R. 100W.

NOTE FOR APPROACH SPAN
All rivets to be 7/8" ϕ except in Hand-rail



APPROXIMATE QUANTITIES FOR ONE CATCH BASIN		
NO.	ITEM	UNIT QUANTITY
100	STRUCT. EXCAV.	20.00
100	CLASS A CONCRETE	1.00
100	PORTLAND CEMENT	2.00

NOTE: C/GIRLS & FRAMES TO BE SUPPLIED FROM EXISTING CATCH BASINS.



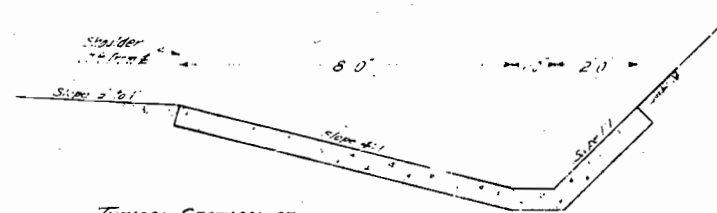
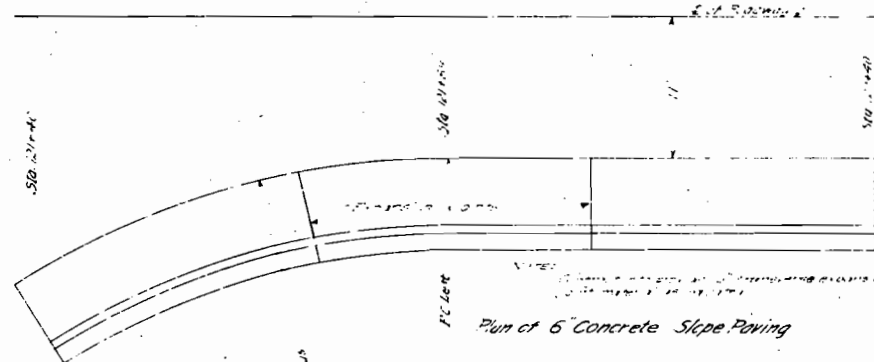
CATCH BASIN

Scale 1/4" = 1'

1. 100' 10" x 10" x 10" (10" deep)

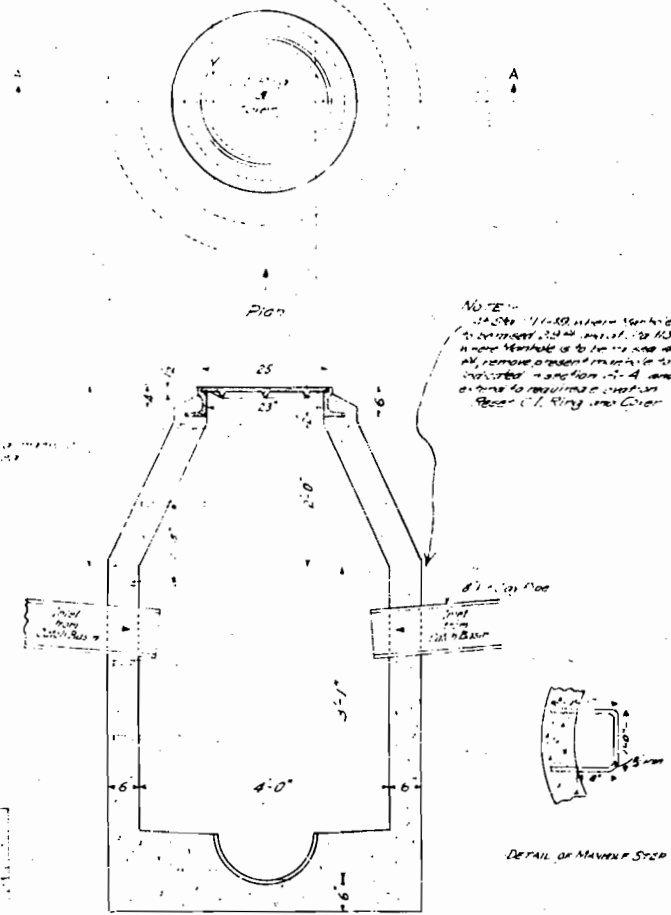
2. 100' 10" x 10" x 10" (10" deep)

3. 100' 10" x 10" x 10" (10" deep)



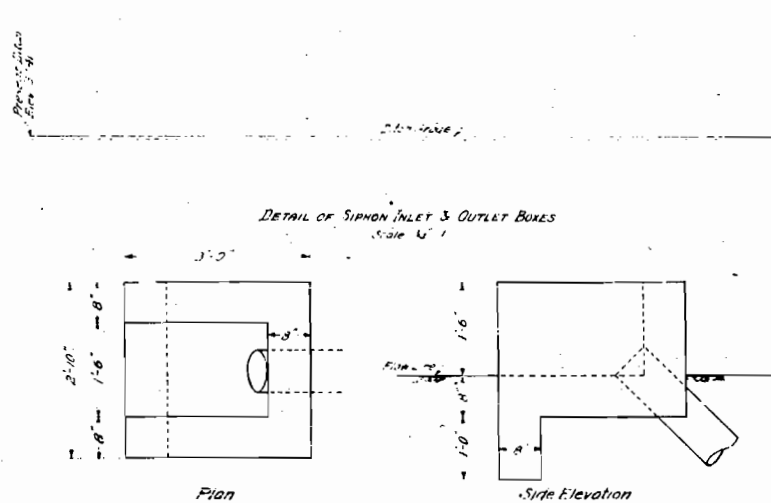
APPROXIMATE QUANTITIES 6" CONCRETE SLOPE PAVING		
NO.	ITEM	UNIT QUANTITY
100	STRUCT. EXCAV.	20.00
100	CLASS A CONCRETE	20.00

APPROXIMATE QUANTITIES 6" CONCRETE SLOPE PAVING		
NO.	ITEM	UNIT QUANTITY
100	STRUCT. EXCAV.	20.00
100	CLASS A CONCRETE	20.00
100	PORTLAND CEMENT	2.00

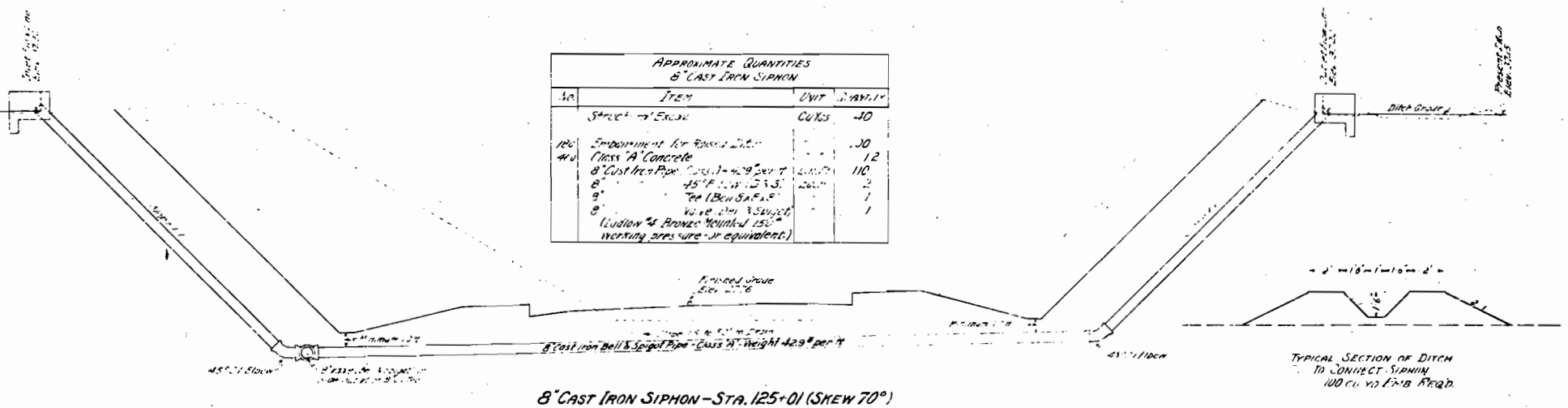


CONCRETE MANHOLE - STA. 110+00

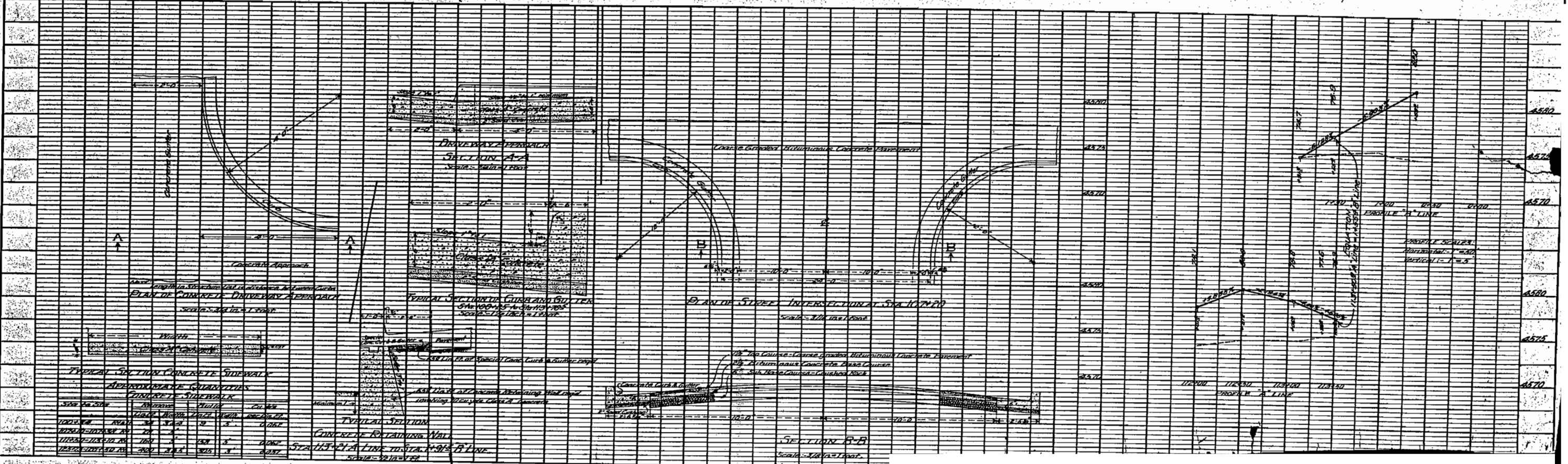
Scale 1/4" = 1'

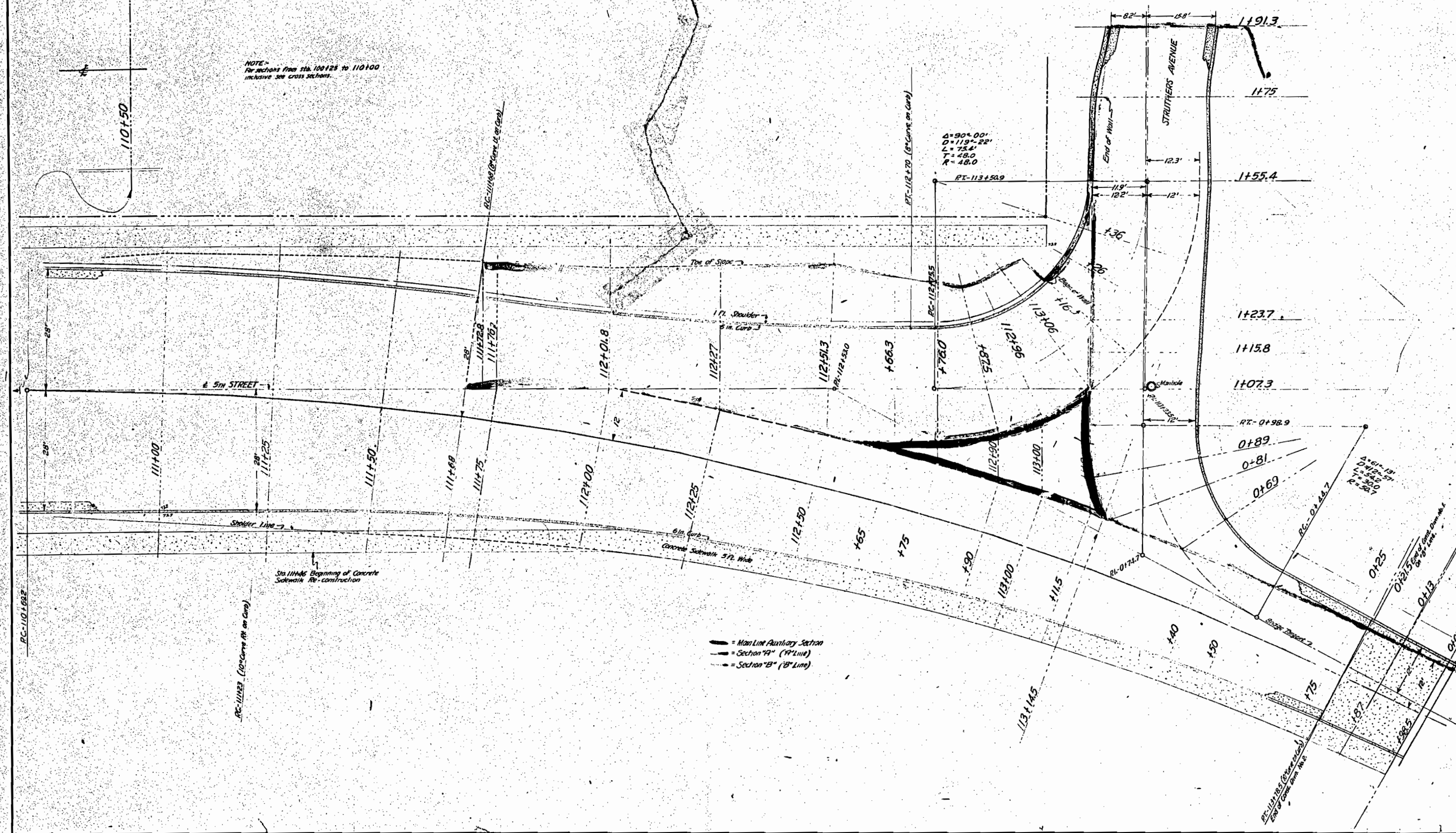


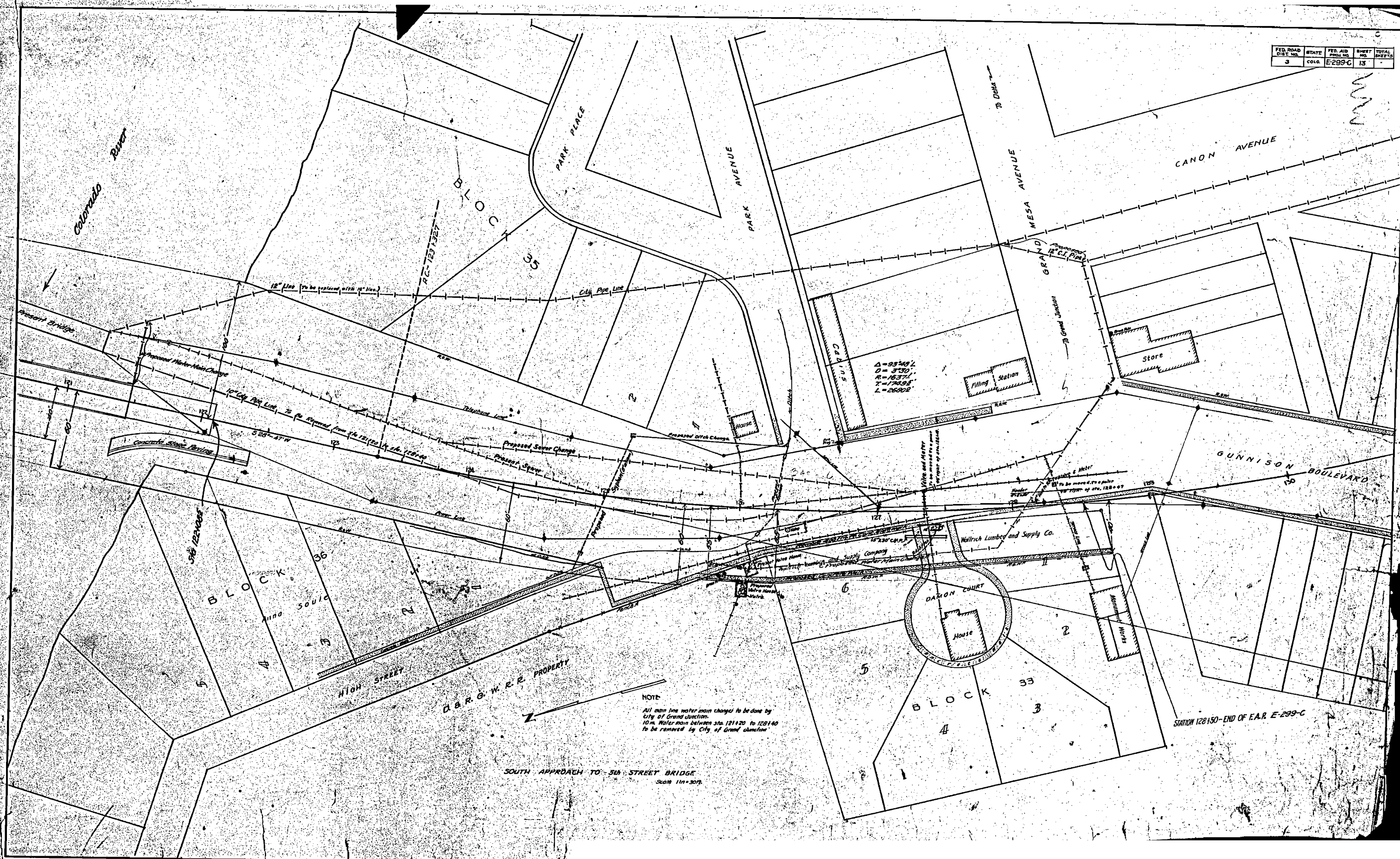
APPROXIMATE QUANTITIES 8" CAST IRON SIPHON		
NO.	ITEM	UNIT QUANTITY
100	STRUCT. EXCAV.	40.00
100	EMBEDMENT FOR RIGID Joints	1.00
100	CLASS A CONCRETE	1.00
100	8" CAST IRON PIPE	110.00
100	45° ELBOW	2.00
100	TEE (BELL END)	1.00
100	WIRE ROPE & SLEEVE (LUTION & BRONZE MOUNTED 150' working pressure or equivalent)	1.00



8" CAST IRON SIPHON - STA. 125+01 (SKEW 70°)





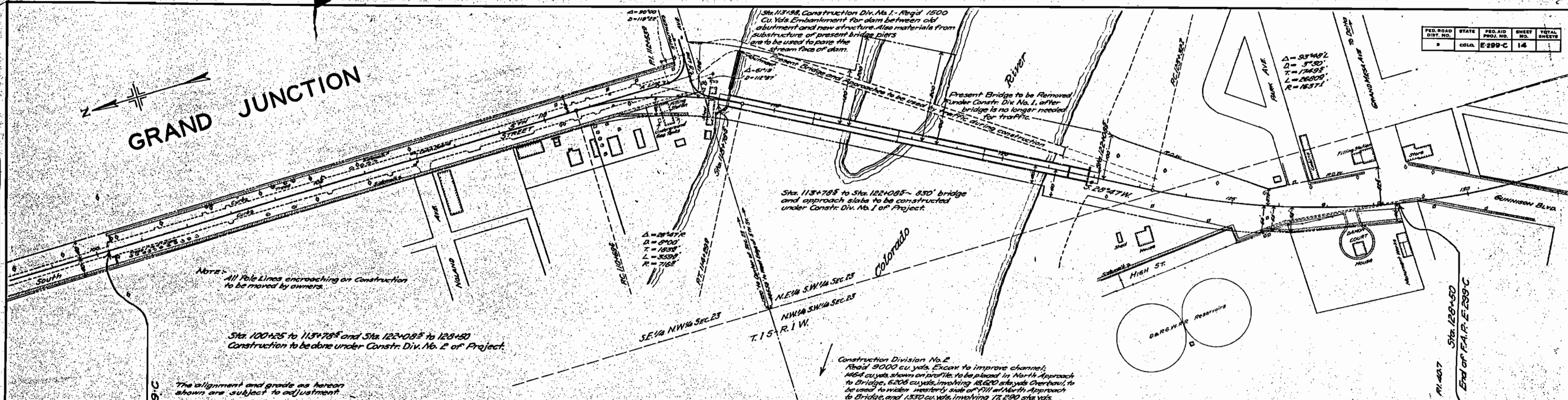


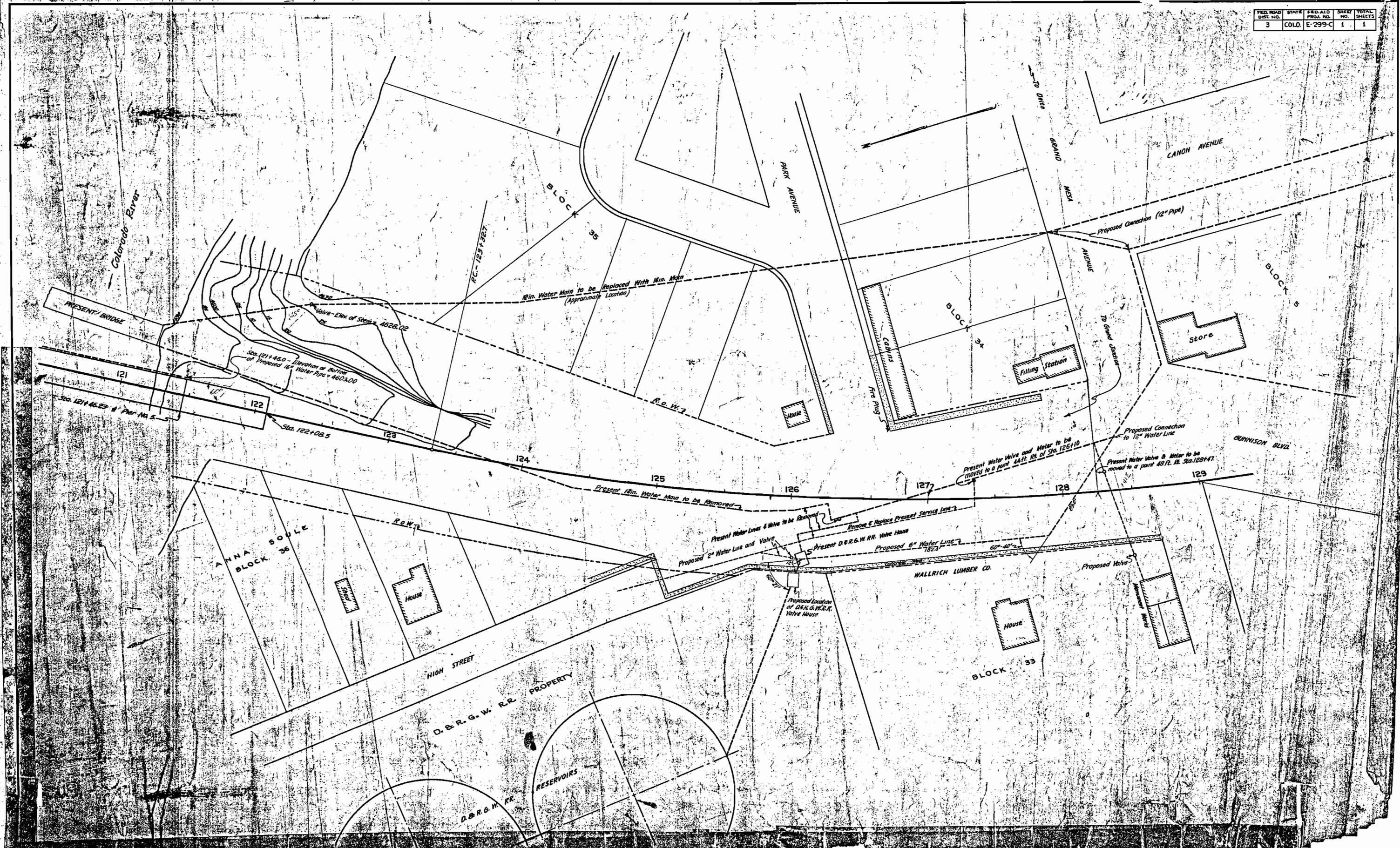
GRAND JUNCTION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLA.	E-299-C	14	

PLAN	DATE
PLANNED	
NOTES	
ALIGNED	
CHECKED	
BY	
DATE	

PROFILE	DATE
PLANNED	
NOTES	
GRADES CHECKED	
BY	
DATE	



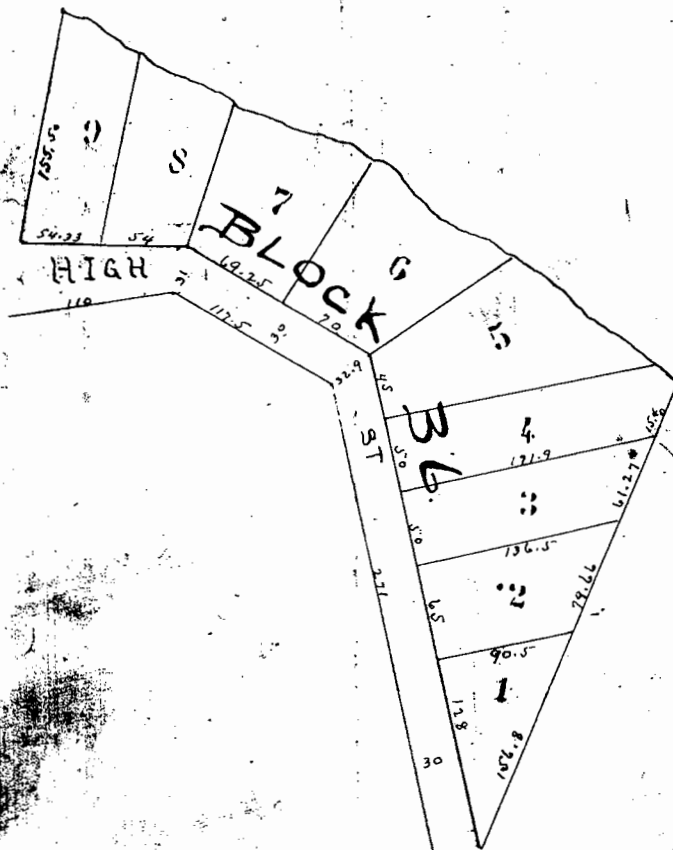


DEDICATION

Know all men by these presents, That we, I.A. Moon & H.S. Day, have caused the following described lands to be platted into lots and blocks to be known as Moon & Day's Addition to Orchard Mesa Heights, being located in Lot 7, Sec. 23, T. 15 S. R. 1 W. 10 E. Meridian, and we hereby dedicate the streets therein to the use of the public forever.
(Follows M.B. description of land comprising said Addition).

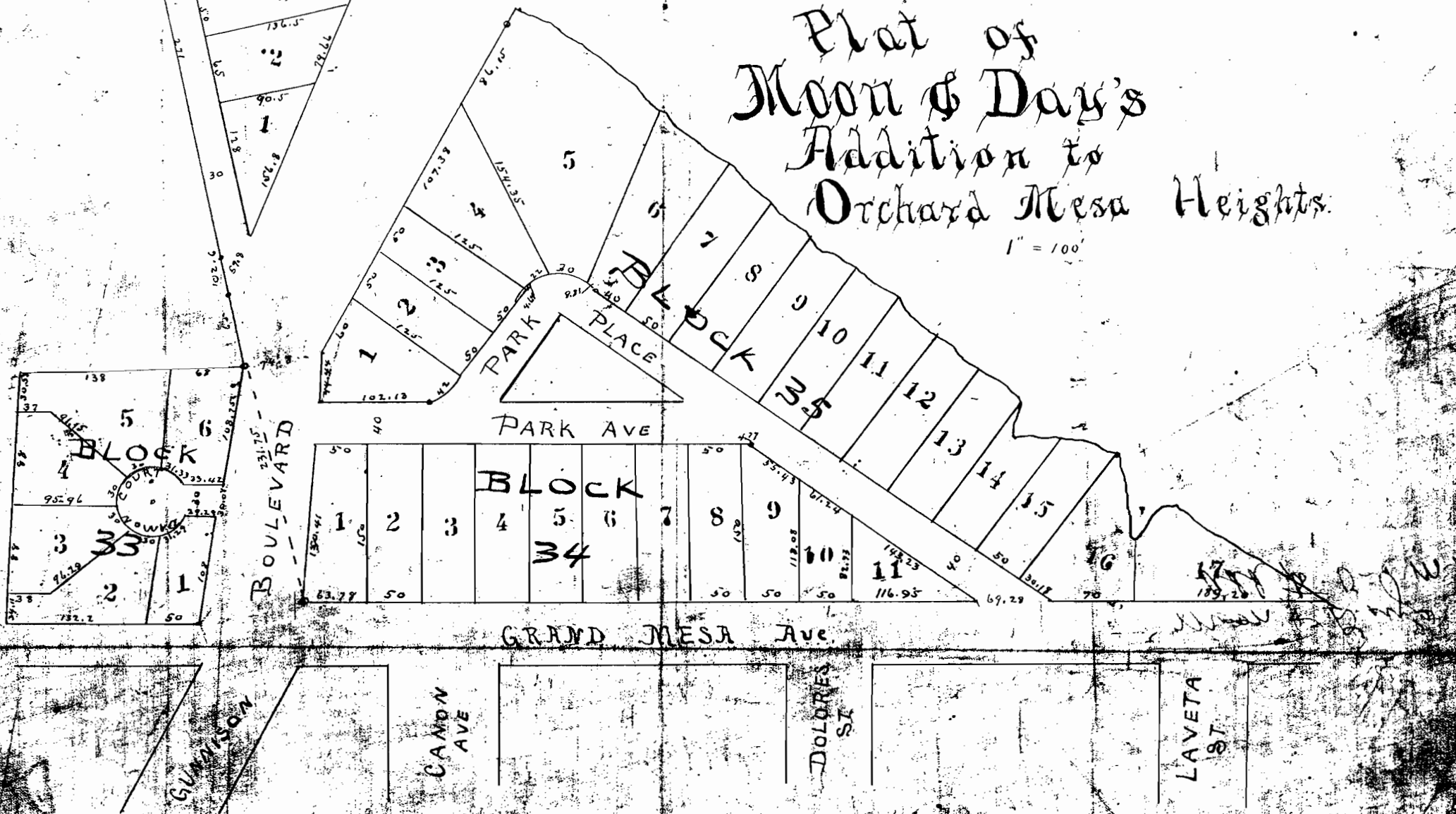
(Signed) I.A. Moon
H.S. Day

Acknowledged Sept. 16th, 1908, by I.A. Moon and H.S. Day, before Charles B. Rich, Notary Public of Mesa County, Colorado.
(N. P. Seal) Commission expires Jan. 20, 1909



Plat of Moon & Day's Addition to Orchard Mesa Heights.

1" = 100'



CR. 13 - Aug. 15, 1933

Borrow Pits B-C-D-G-X & Z
All Borrow Excavation taken from these pits was used to make all the Embankment on north side of bridge, except that shown on profile, involving 3855 Sta. Yd. Overhaul for Const. Divn. No. 1 & 12,973 Sta. Yd. Overhaul for Const. Divn. No. 2.

GRAND JUNCTION

