

STATE OF MAINE  
STATE HIGHWAY COMMISSION

PLAN AND PROFILE  
**DEER ISLE  
SEDGWICK**  
HANCOCK COUNTY

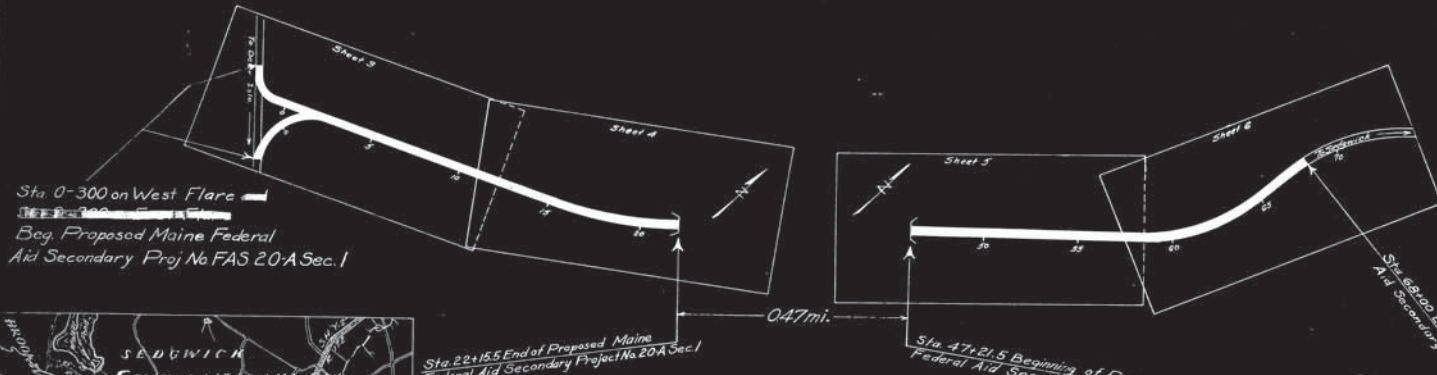
MAINE FEDERAL AID SECONDARY PROJECT  
NO. F.A.S. 20-A  
TOTAL LENGTH 0.870 MILES  
SCALES { PLAN 1 IN. = 50 FT.  
PROFILE { HOR. 1 IN. = 50 FT.  
VER. 1 IN. = 5 FT.  
CROSS SECTIONS 1 IN. = 5 FT.

CONVENTIONAL SIGNS

STATE OR NATIONAL LINE	—————	SURVEY LINE	———
COUNTY LINE	—————	CULVERT	———
TOWN LINE	—————	DRAIN INLET	———
UNFENCED PROPERTY	—————	TRAVELER	———
FRIDGE	—————	TRAVELER	———
FRONT OF WAY LINE	—————	TRAVELER	———
TRAVELED WAY	—————	TRAVELER	———
RAILROAD	—————	TRAVELER	———
RETAINING WALL	—————	TRAVELER	———

INDEX OF SHEETS

SHEET NO. 1	TITLE PAGE	Sta. 0+300 West Flare to Sta. 68+0
SHEET NO. 2	TYPICAL SECTIONS	Sta. 0+300 West Flare to Sta. 68+0
SHEET NO. 3-6 incl.	PLAN AND PROFILE	Sta. 0+300 West Flare to Sta. 68+0
SHEET NO. 7-19 incl.	CROSS-SECTIONS	Sta. 0+300 West Flare to Sta. 68+0
SHEET NO.	BRIDGES	STA.
SHEET NO.	SPECIAL DETAILS	STA.



Note: - All work contemplated under this contract to be governed by, and in conformity with, the specifications approved Oct. 26, 1937, except as modified on these plans.

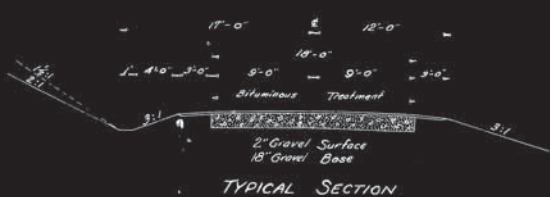
LAYOUT PLAN  
Scale: 1 in. = 300 ft.

Sta. 22+15.5 End of Proposed Maine Federal Aid Secondary Project No. 20A Sec. 1

Sta. 47+21.5 Beginning of Proposed Maine Federal Aid Secondary Project No. 20A Sec. 2



A PORTION OF HANCOCK COUNTY  
APPROXIMATE SCALE: 1 in. = 1 mi.



TYPICAL SECTION

APPROVED:  
MAINE STATE HIGHWAY COMMISSION  
*Paul C. Thurston*  
CHAIRMAN  
*Oliver B. Deary*  
SECRETARY  
*Lucius B. Parsons*  
DIST. ENGINEER

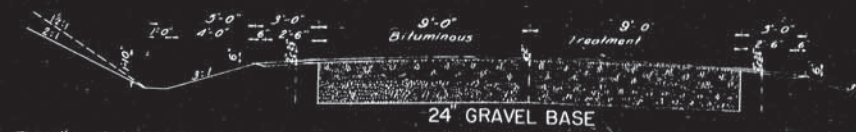
RECOMMENDED TO THE DISTRICT ENGINEER FOR APPROVAL  
APPROVED:  
U.S. BUREAU OF PUBLIC ROADS  
*111-125*  
DISTRICT ENGINEER  
CHIEF ENGINEER  
DIRECTOR



# STANDARD SECTIONS FOR PROJECT NO. F.A.S. 20-A 1938

## GRAVEL SURFACE

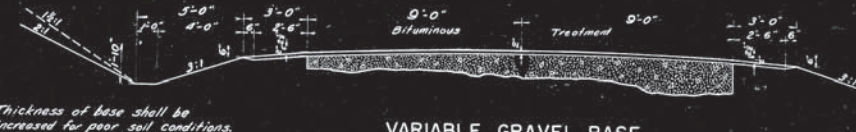
F.A.S.  
20-A 1938 2 18



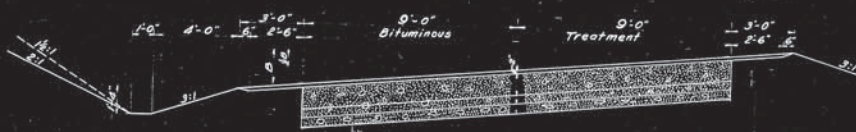
**24" GRAVEL BASE**  
 2" Gravel Surface Course 14.31 Cu. Yds. per 100 Lin. Ft.  
 24" Gravel Base Course 135.07 Cu. Yds. per 100 Lin. Ft.  
 This Section applies -  
 0-175 West Flare to Sta. 7+0 and Sta. 43+0 to Sta. 54+50  
 0-200 East Flare



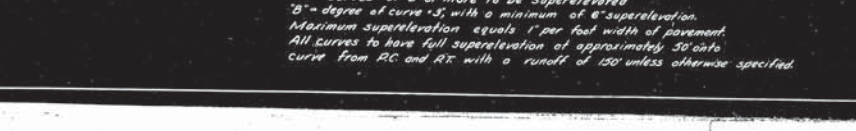
**18" GRAVEL BASE**  
 2" Gravel Surface Course 14.31 Cu. Yds. per 100 Lin. Ft.  
 18" Gravel Base Course 102.33 Cu. Yds. per 100 Lin. Ft.  
 This Section applies -  
 Sta. 7+0 to Sta. 22+5.5 ; Sta. 47+21.5 to Sta. 49+0  
 and Sta. 54+50 to Sta. 68+0



**VARIABLE GRAVEL BASE**  
 2" Gravel Surface Course 14.31 Cu. Yds. per 100 Lin. Ft.  
 This section applies -  
 0-300 West Flare to 0-175 West Flare  
 Minimum 8" over existing 12" Base



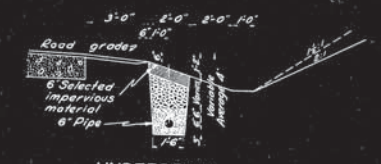
**WIDENED SECTION**  
 All curves of 8" or more to be widened on inside; Formula  $\frac{2.5}{D}$ , 2" D, degree of curve; 10" constant. This formula applies to widening unless otherwise specified.



**SUPERELEVATED SECTION**  
 2" Gravel Surface Course 14.31 Cu. Yds. per 100 Lin. Ft.  
 18" Gravel Base Course 66.67 Cu. Yds. per 100 Lin. Ft.  
 18" Gravel Base Course 100.00 Cu. Yds. per 100 Lin. Ft.  
 24" Gravel Base Course 133.33 Cu. Yds. per 100 Lin. Ft.  
 Curves of 2" or more to be superelevated  
 "B" - degree of curve "S", with a minimum of 6" super-elevation.  
 Maximum super-elevation equals 1" per foot width of pavement.  
 All curves to have full super-elevation of approximately 30" outside  
 curve from RC and RT with a runoff of 150' unless otherwise specified.



**LEDGE GUARD RAIL**



**UNDERDRAIN**

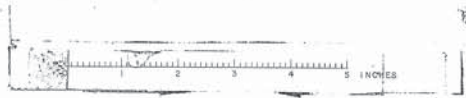
Type "A" Vitrifired Clay Pipe  
 Type "B" Perforated A.C.C.M.R.

**BOULDER GUARD**



ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	QUANTITY UNIT
11	Clearing and Grubbing	2.25 Acres
12A	Earth Excavation	14,000 Cu. Yds.
12B	Rock Excavation	2,300 " "
12C	Trees Removed	6 Each
13	Excavation for Structures	200 Cu. Yds.
16	Stone Fill	4,000 " "
17A	Common Borrow	5,300 " "
23	Gravel Base Course	6,300 " "
27	Gravel Surface Course	1,820 " "
35B	Class "B" Concrete	2.5 " "
36	Steel Reinforcement for Concrete Structures	7 Lbs.
39	Dry Rubble Masonry	6 Cu. Yds.
*40A	12" Corrugated Metal Pipe	130 Lin. Ft.
40B	15" Corrugated Metal Pipe	70 " "
40C	18" Corrugated Metal Pipe	110 " "
40E	30" Corrugated Metal Pipe	60 " "
47	Hand Laid Riprap	1,200 Cu. Yds.
48B	Underdrain	500 Lin. Ft.
51A	Wire Cable Guard Rail	1,090 " "
51B	Anchorage for W. C. G. R.	12 Each
57	Stone Blanket	2,000 Cu. Yds.
58	Boulder Guard Rail	1,840 Lin. Ft.
59	36" Vitrifired Clay Pipe Force Account	50 " "
55	Bituminous Treatment	7,000 Gal.

\* 40 lin. ft. of 12" CMP undetermined location same included in quantity shown above.



ASENATH HARDY, JOHN HARDY, MRS MELVIN BRAY

J.W. EATON

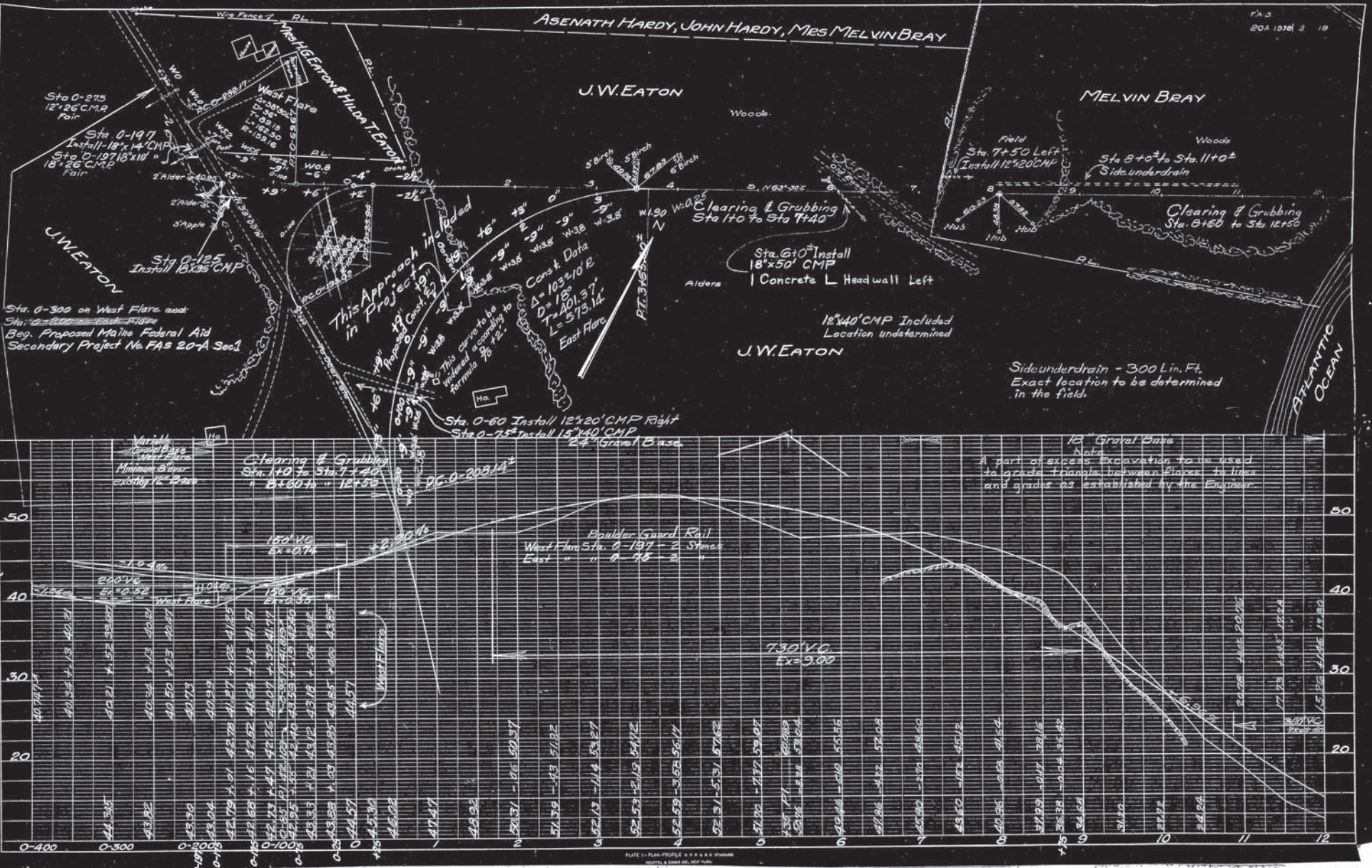
MELVIN BRAY

PLAN

DATE	
BY	
IN CHARGE	
DESIGNED BY	
CHECKED BY	
SCALE	AS SHOWN

PROFILE

DATE	
BY	
IN CHARGE	
DESIGNED BY	
CHECKED BY	
SCALE	AS SHOWN



PLAN

DATE	
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PROJECT NO.	
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PROFILE

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PROJECT NO.	
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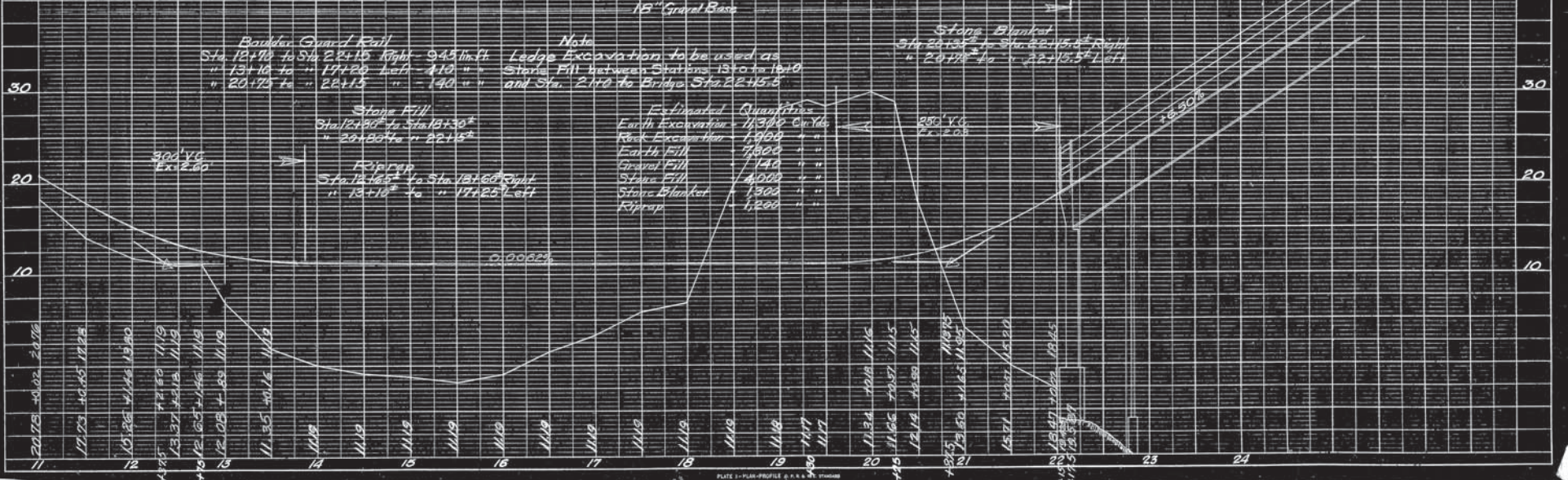
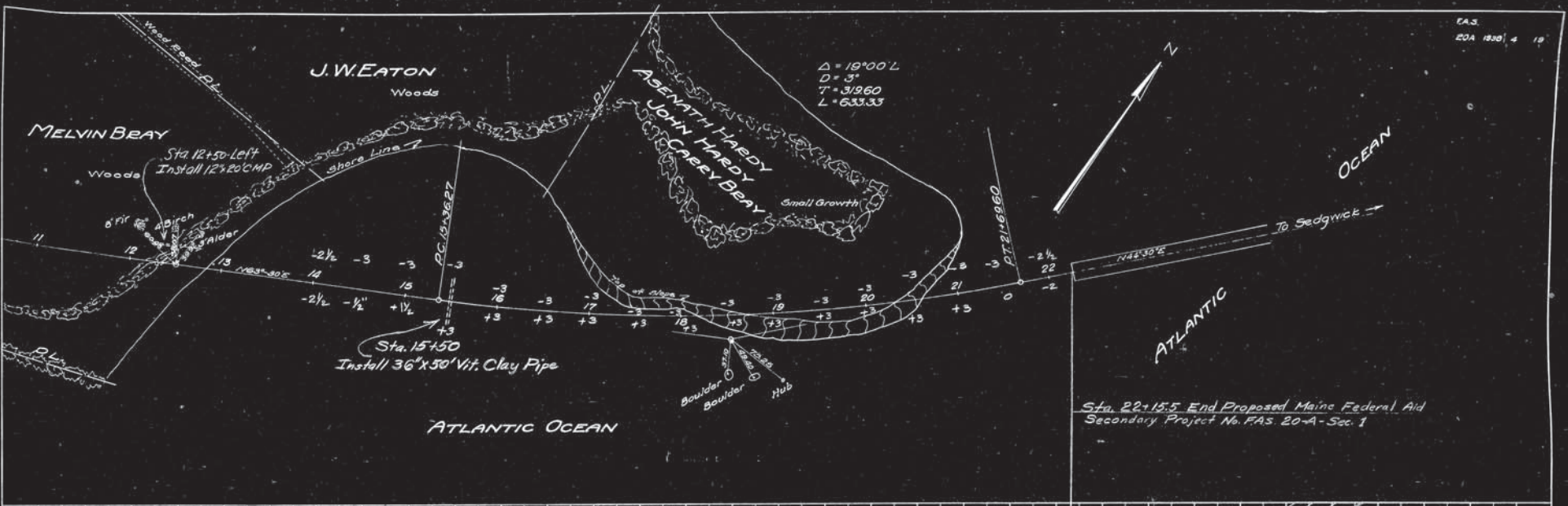
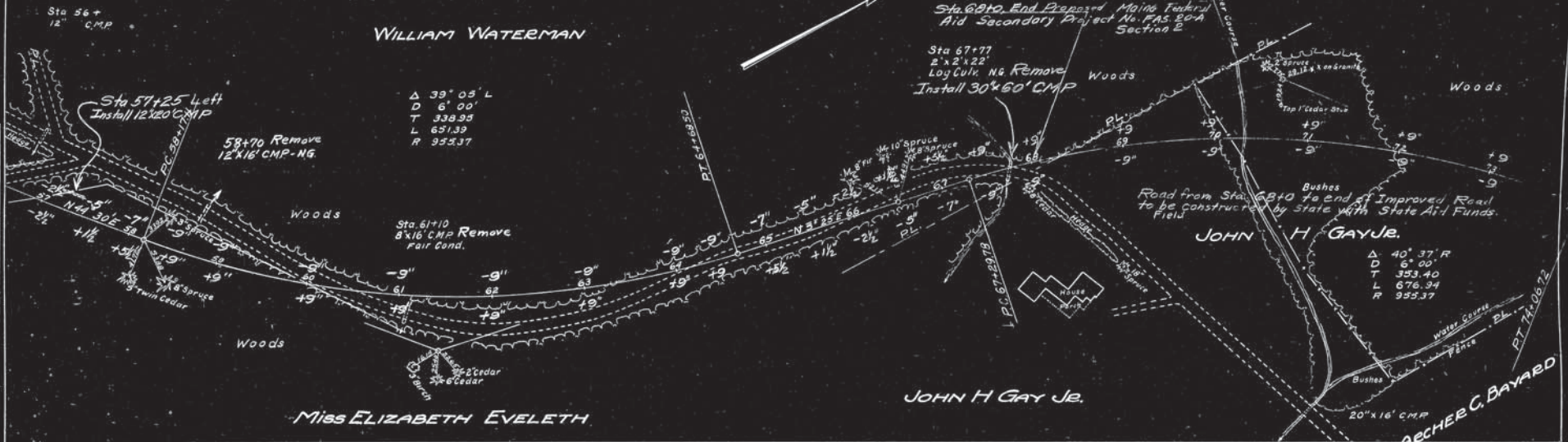


PLATE 1-PLAN-PROFILE C.S.S. & S. STATION

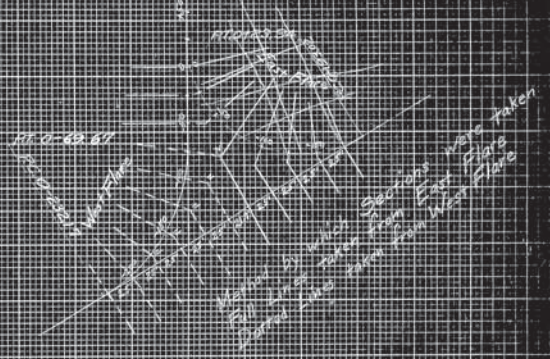
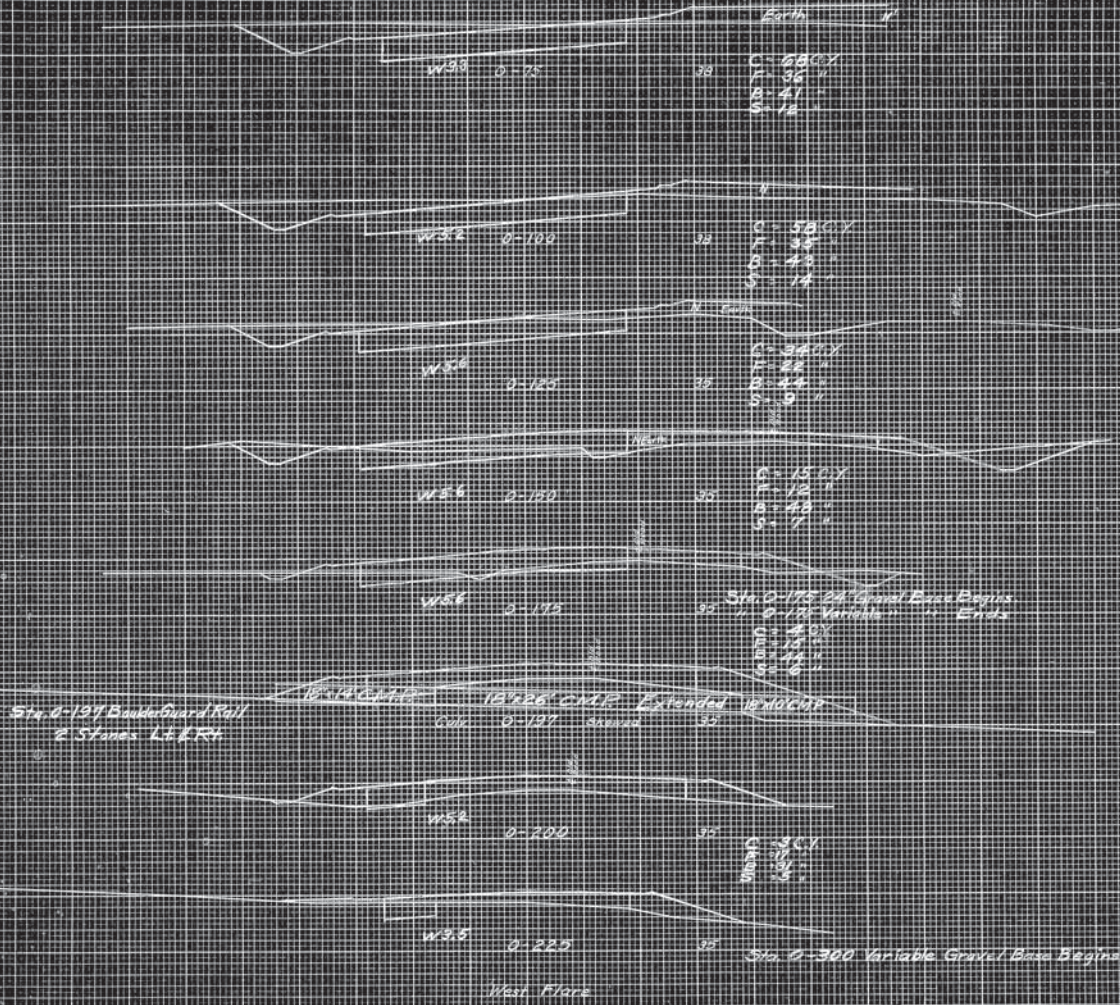


WILLIAM WATERMAN



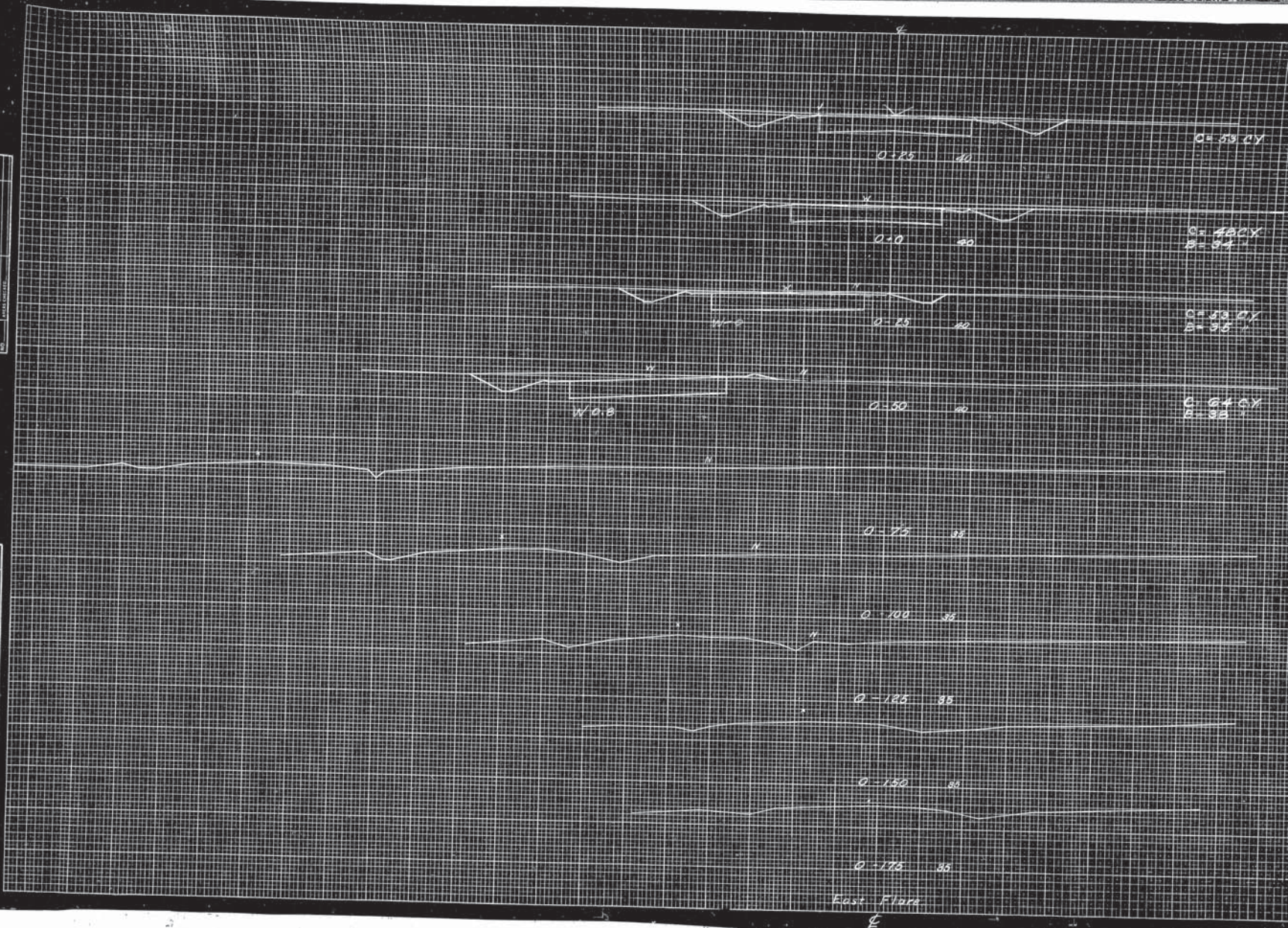
DATE	
PROJECT	
SURVEY	
DATE BOOK	
NO.	

DATE	
PROJECT	
SURVEY	
DATE BOOK	
NO.	



DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 PROJECT NO.: \_\_\_\_\_  
 SHEET NO.: \_\_\_\_\_

DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 PROJECT NO.: \_\_\_\_\_  
 SHEET NO.: \_\_\_\_\_



0+25 40

0+50 50

0+75 60

0+100 70

0+125 80

0+150 90

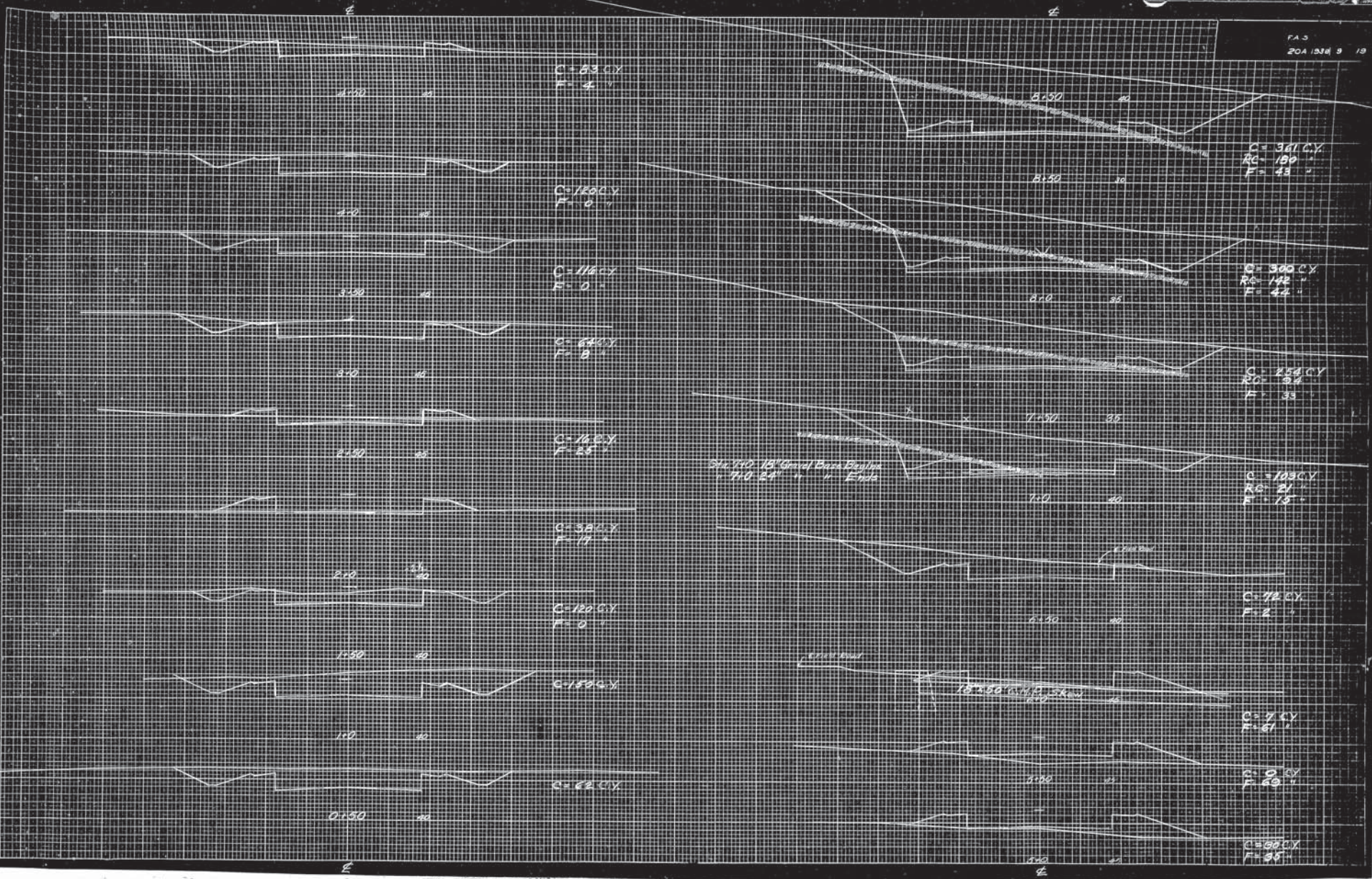
0+175 95

East Flare



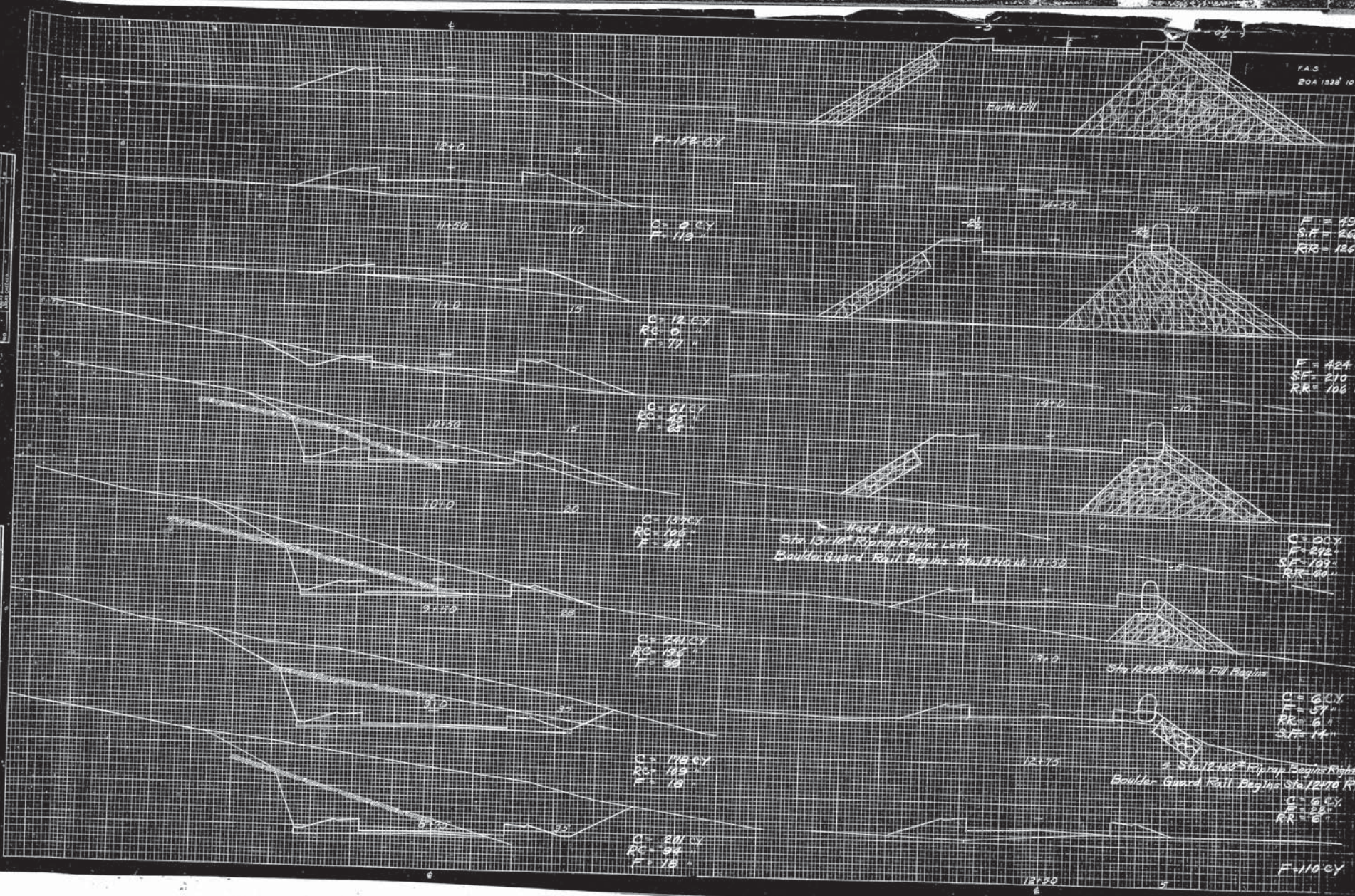
FINAL  
SUBJECT  
DATE  
BY  
CHECKED  
DATE

ORIGINAL  
SUBJECT  
DATE  
BY  
CHECKED  
DATE



FINAL  
SURVEY  
NOT TO BE  
USED FOR  
CONSTRUCTION

FINAL  
SURVEY  
NOT TO BE  
USED FOR  
CONSTRUCTION



F = 152 CY

C = 9 CY  
F = 113

C = 12 CY  
RC = 0  
F = 171

C = 61 CY  
RC = 25  
F = 23

C = 137 CY  
RC = 106  
F = 44

C = 241 CY  
RC = 136  
F = 39

C = 118 CY  
RC = 103  
F = 18

C = 201 CY  
RC = 94  
F = 78

Earth Fill

F = 436 CY  
SF = 263'  
RR = 126'

F = 424 CY  
SF = 210'  
RR = 106'

C = 0 CY  
F = 292'  
SF = 109'  
RR = 60'

C = 6 CY  
F = 57'  
RR = 6'  
SF = 14'

Sta 12+70\* Riprap Begins Right  
Boulder Guard Rail Begins Sta 12+70 R/L

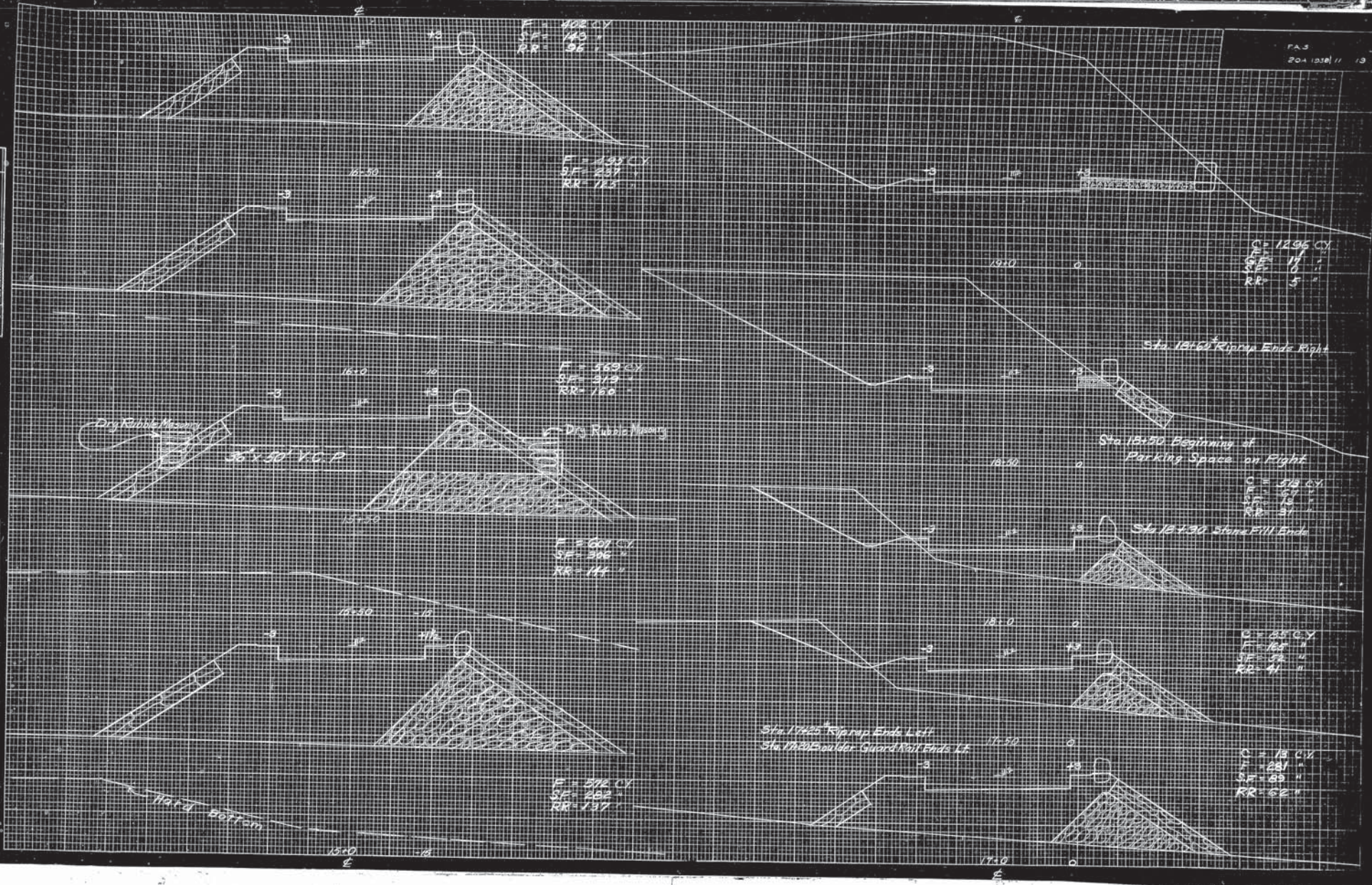
C = 6 CY  
F = 26'  
RR = 0'

F = 110 CY



SCALE  
1" = 10'  
VERTICAL  
1" = 10'  
HORIZONTAL  
1" = 100'

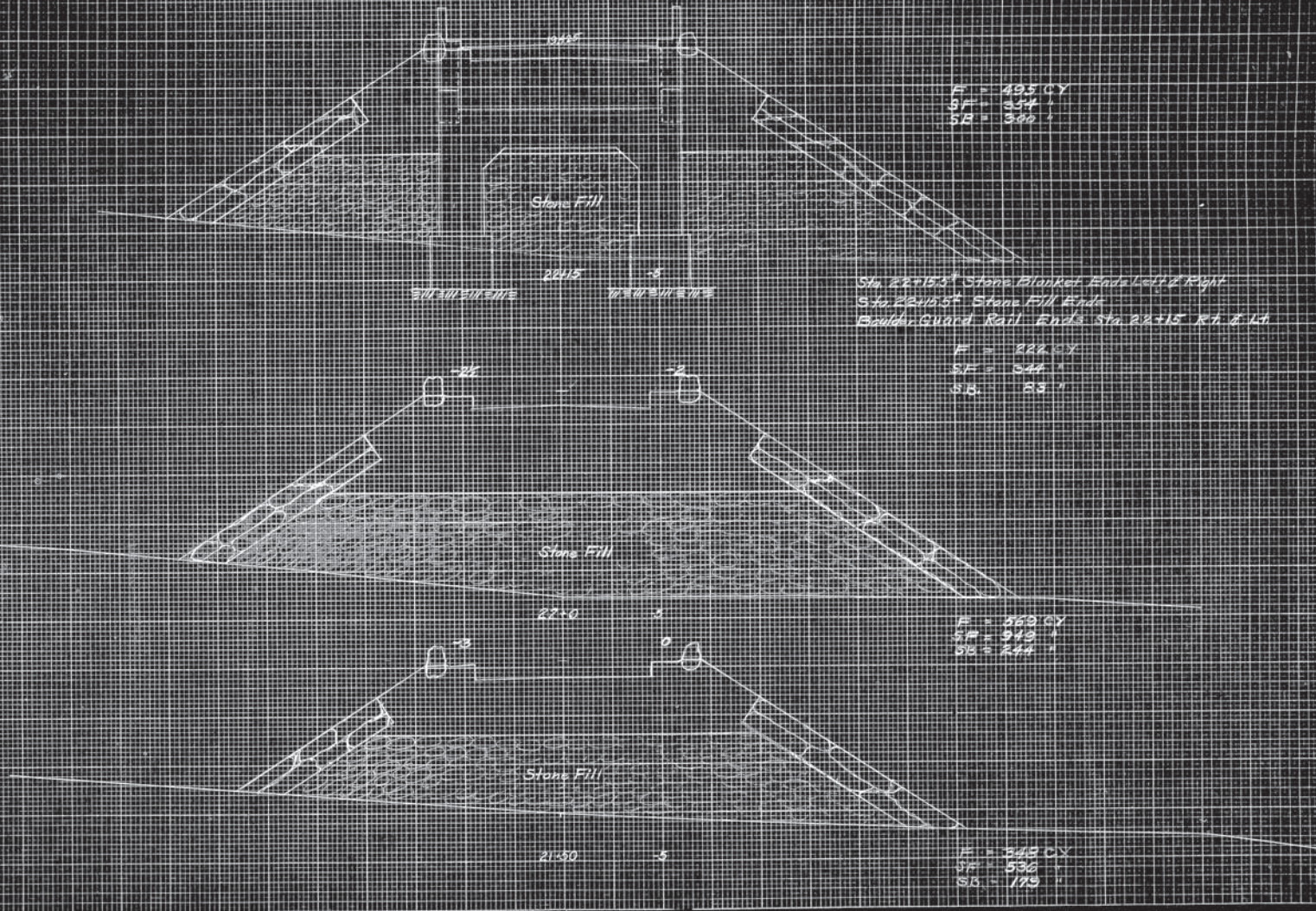
ORIGIN  
SUBJECT  
DATE  
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FINAL  
SURVEY  
DATE  
BY

ORIGINAL  
SURVEY  
DATE  
BY



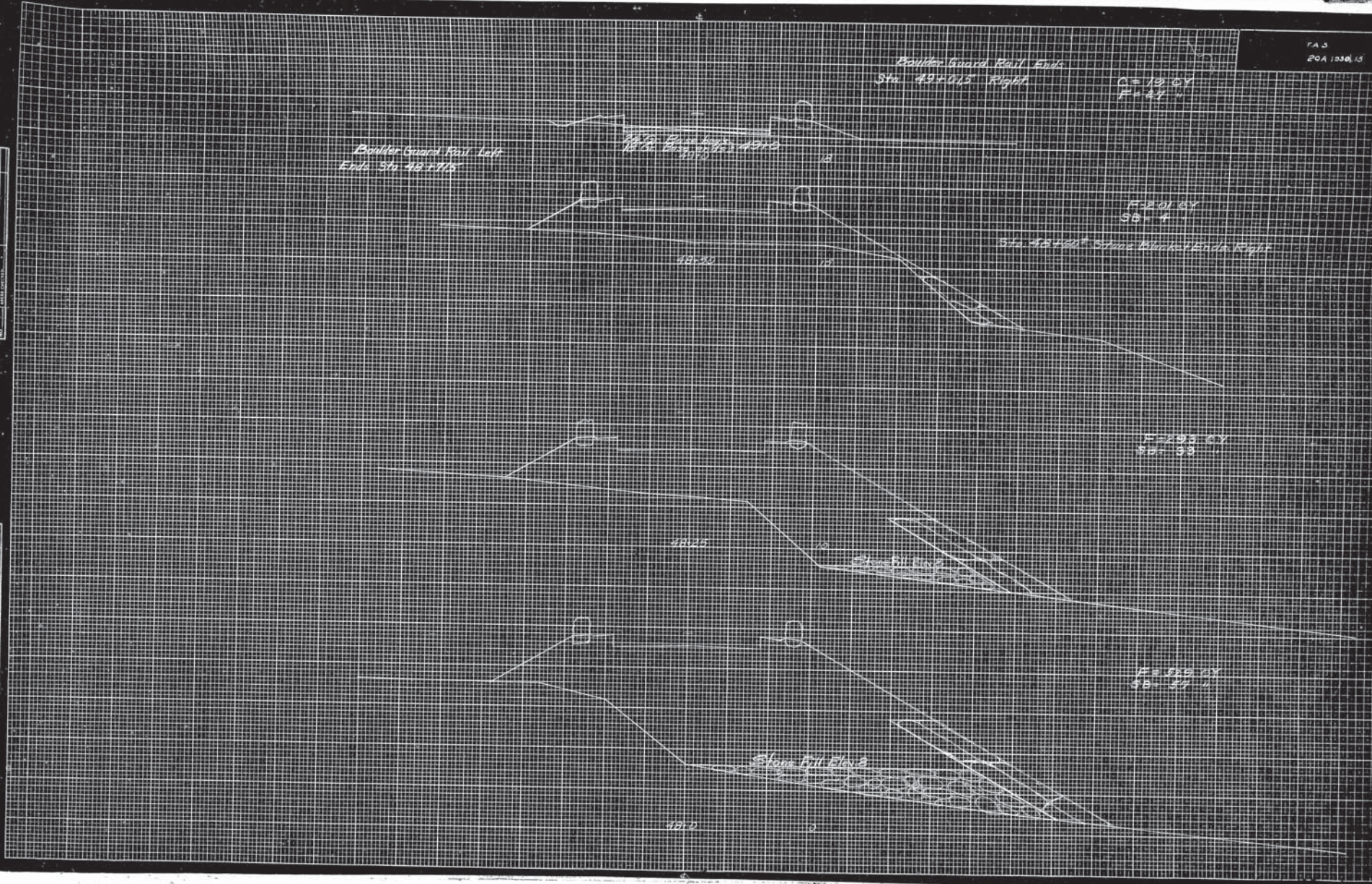
Sta. 22+15.5 Stone Blanket Ends Left & Right  
 Sto. Against Stone Fill Ends  
 Boulder Guard Rail Ends Sta. 22+15 R7 & L4





FINAL  
SURVEY  
NOTES  
DATE  
BY

FINAL  
SURVEY  
NOTES  
DATE  
BY



Boulder Guard Rail Left  
Elev. Sta 48+00

Boulder Guard Rail Right  
Elev. Sta 48+10

Boulder Guard Rail Left  
Sta 48+00

A = 18.00  
F = 18.00

F = 18.25  
S = 18.25

Sta 48+25 Stone Bluff Left

F = 18.50  
S = 18.50

Stone Fill Flange

F = 18.75  
S = 18.75



C=10CY  
F=92

C=21CY  
F=44

C=33CY  
F=25

C=132CY  
F=41

C=253CY

C=182CY  
R=6

C=125CY  
R=3

C=208CY

C=104CY  
F=01

C=58CY  
F=7

C=27CY  
F=13

C=10CY  
F=00

C=18CY  
F=34

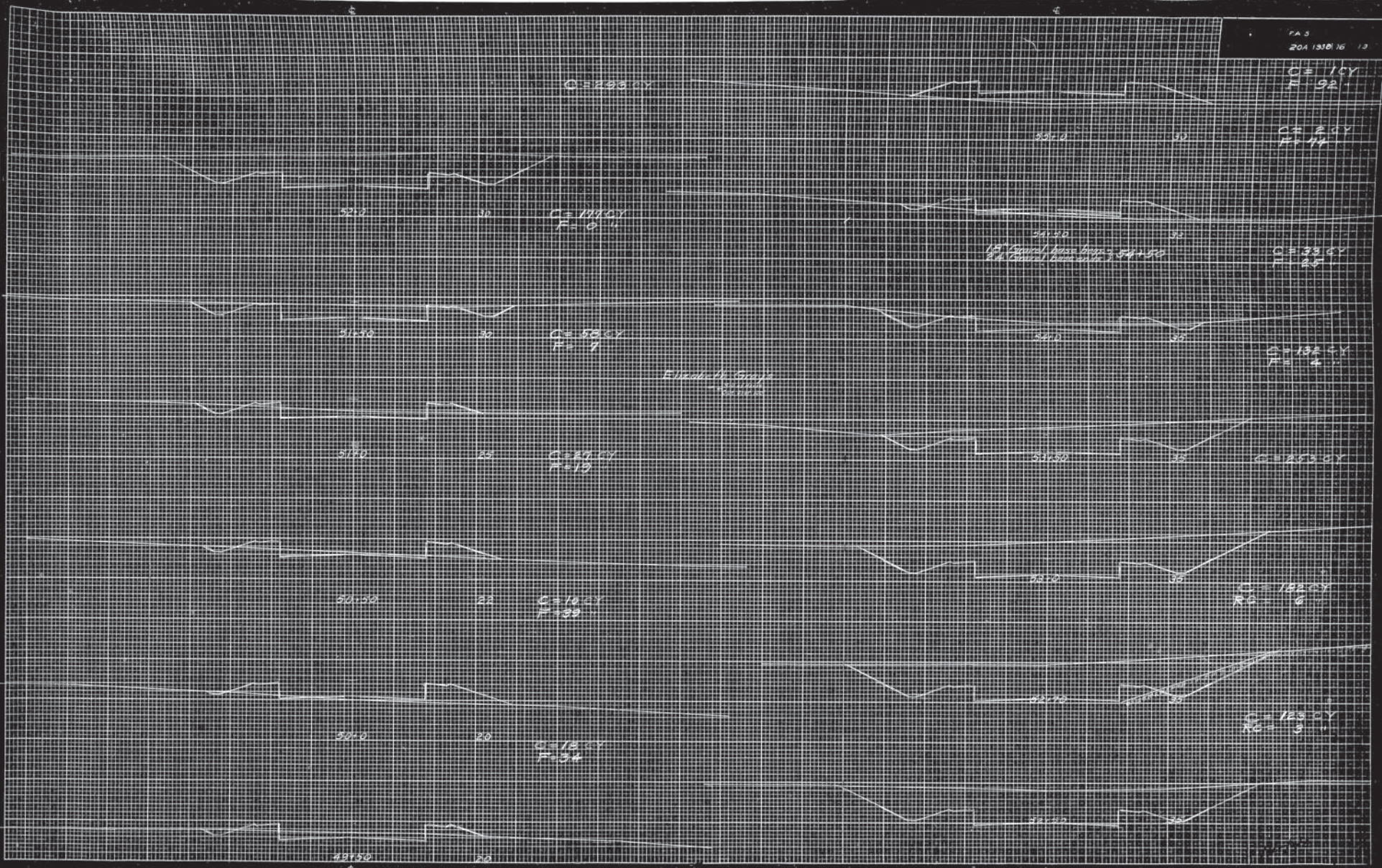
1st Central Base Gauge 2 1/2 ft. dia  
2nd Central Base Gauge 3 1/2 ft. dia

Finish of Gravel  
12/1/1916



DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

DATE	
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REVISION	
NO.	
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REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	



C=28 CY  
RQ=99  
F=17

F=212

Wire Cable Guard Rail Begins  
Sta. 02+40 RT

C=18 CY  
RQ=0  
F=23

C=16 CY  
RQ=0  
F=20

C=22 CY  
RQ=20  
F=22

C=68 CY  
RQ=88  
F=24

C=29 CY  
RQ=77  
F=16

C=22 CY  
RQ=99  
F=17

C=22 CY  
RQ=99  
F=17

C=25 CY  
RQ=35  
F=17

C=31 CY  
RQ=0  
F=20

C=20 CY  
RQ=0  
F=17

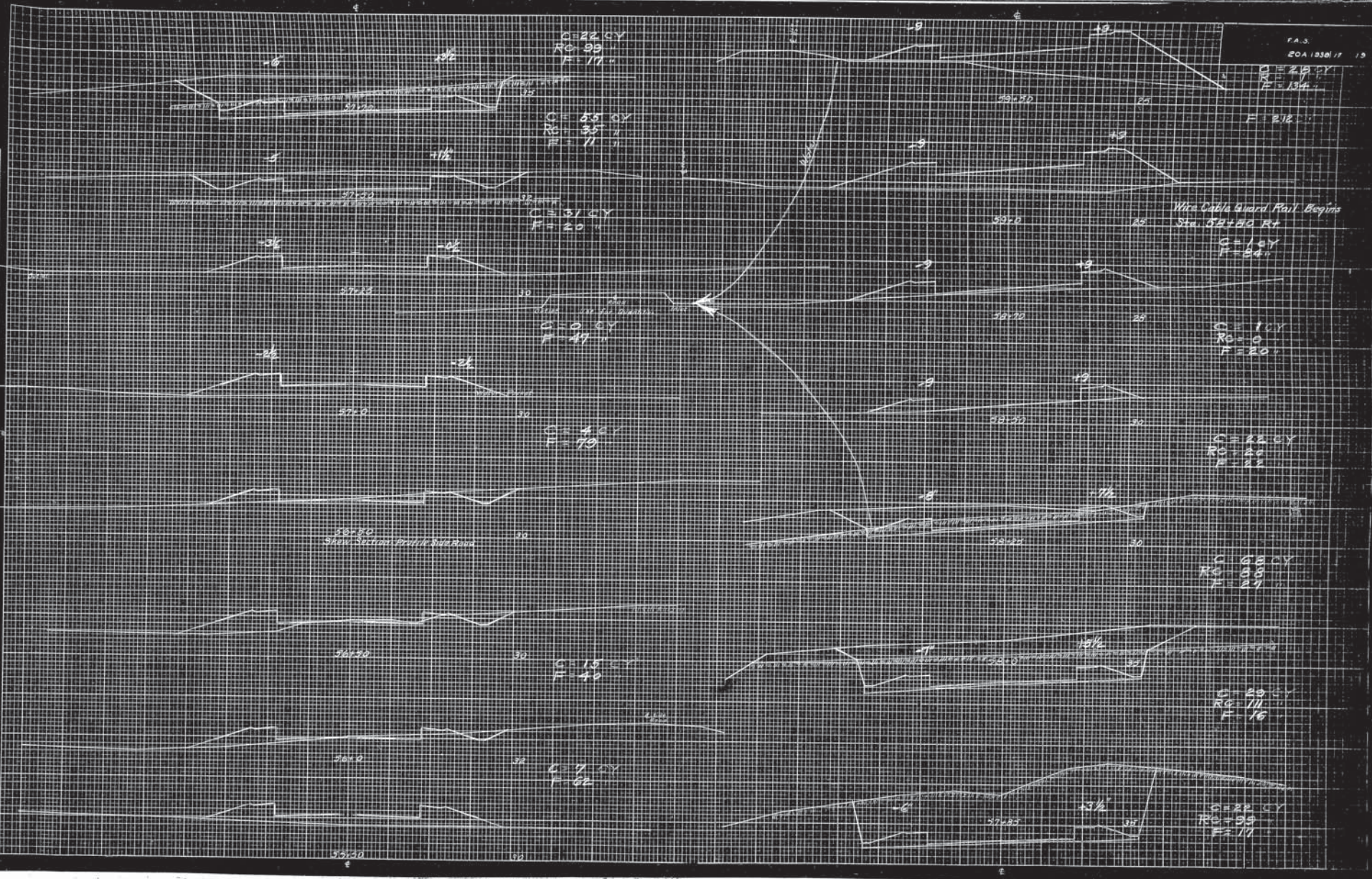
C=46 CY  
RQ=0  
F=19

C=15 CY  
RQ=0  
F=10

C=9 CY  
RQ=0  
F=22

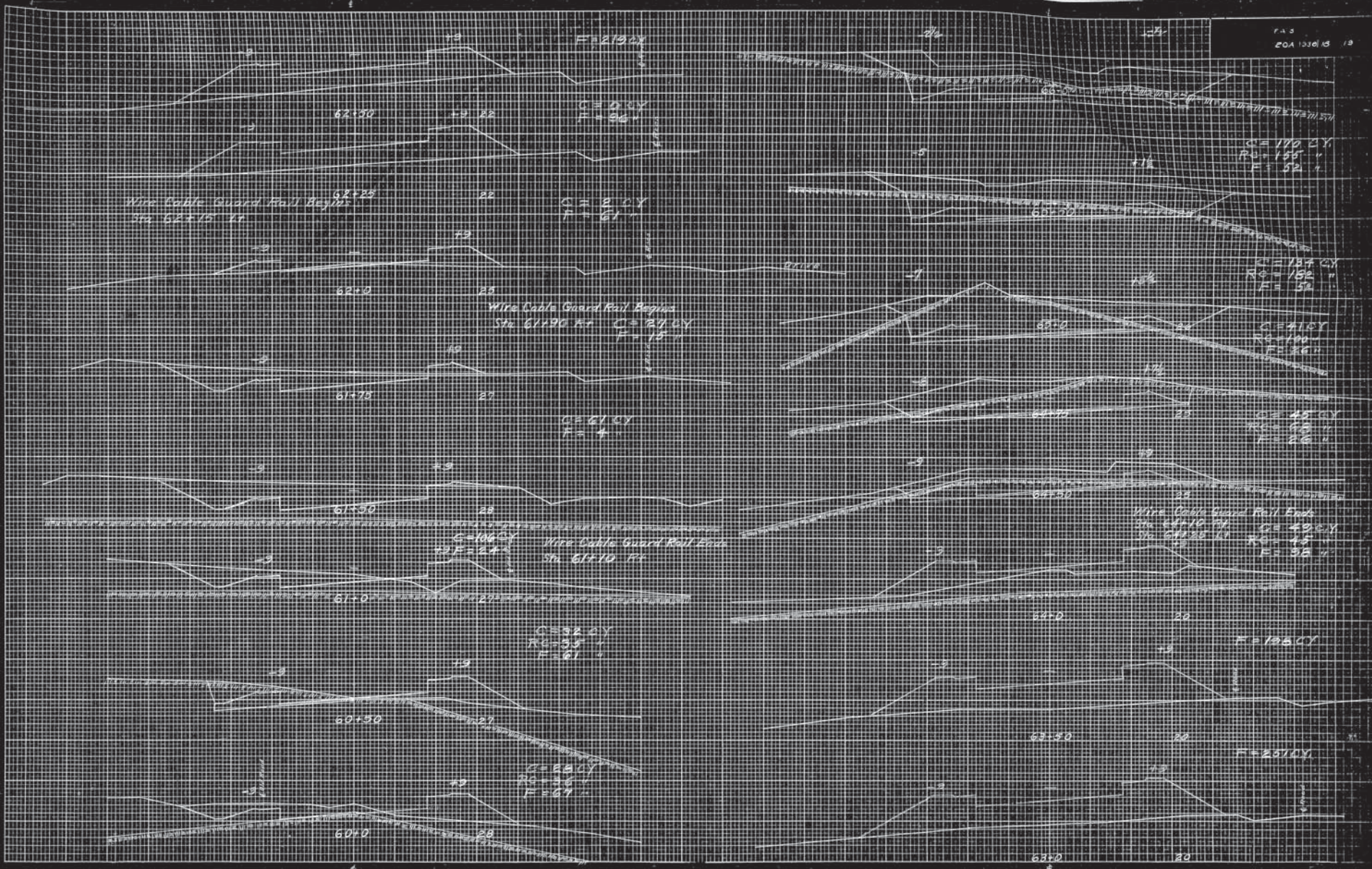
PAVING  
SURFACE  
SLOPE  
DRAINAGE  
ELEVATION  
DATE

CONCRETE  
CURB  
SLOPE  
DRAINAGE  
ELEVATION  
DATE



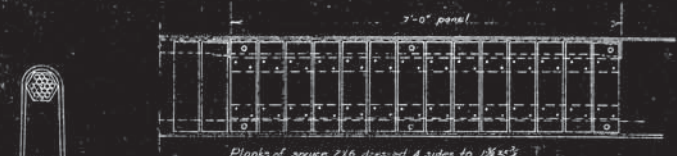
NO. 10  
DATE  
PROJECT  
SURVEY  
BY  
SCALE  
DATE

NO. 10  
DATE  
PROJECT  
SURVEY  
BY  
SCALE  
DATE



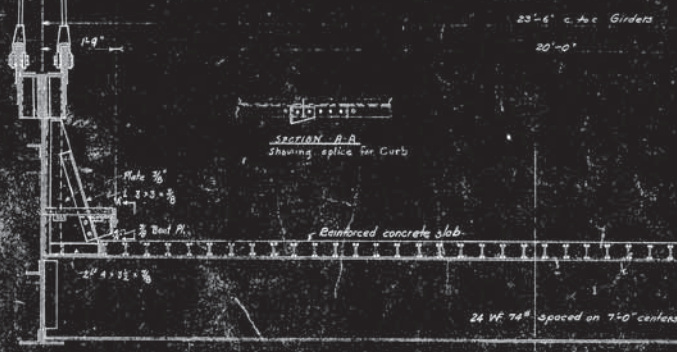






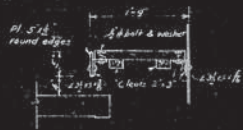
Planks of spruce 2x6 dressed 4 sides to 1 3/4 x 5 3/4

**DETAILS OF SIDEWALK**  
Scale 1" = 1'-0"



HALF SECTION AT SUSPENDER CONNECTION

Scale 3/8" = 1'-0"

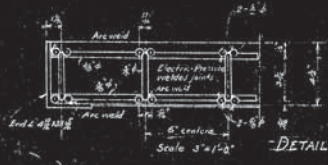


Pl. 5/16" round edges



Field weld flooring to floor beams with 6x2 welds on every other floor section, one side only

7'-0" c.c. of floorbeams  
Scale 1/8" = 1'-0"

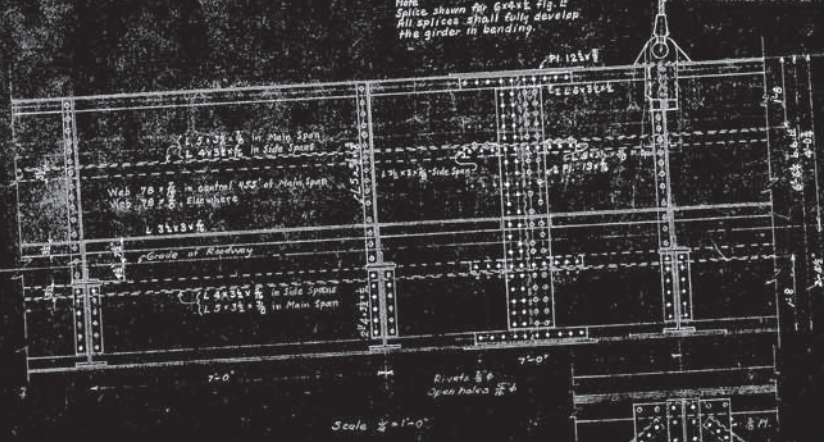


**DETAILS OF ROADWAY DECK SLAB**

4' x 4' panel with 1/2" x 1/2" spaced about 1/2" on every other line of true section to support form planks.



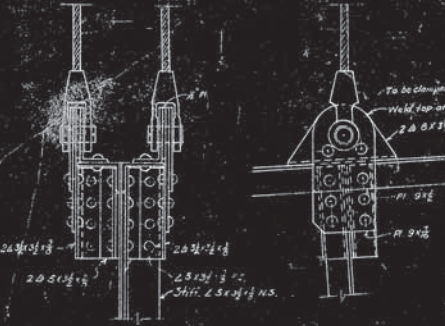
Note: Splice shown per detail Fig. 4. All splices shall fully develop the girder in bending.



**TYPICAL GIRDER ELEVATION**

Scale 3/8" = 1'-0"

Connections shall develop the full net section of members.



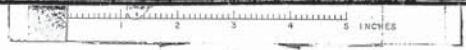
**TYPICAL DETAIL OF SUSPENDER CONNECTION**

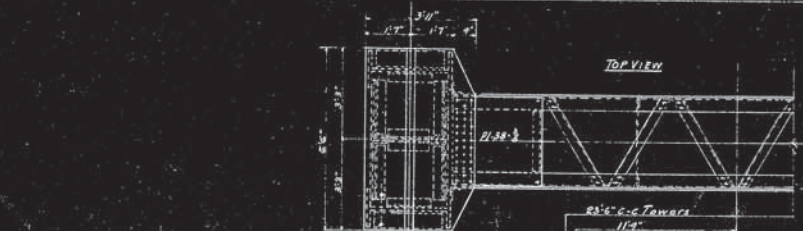
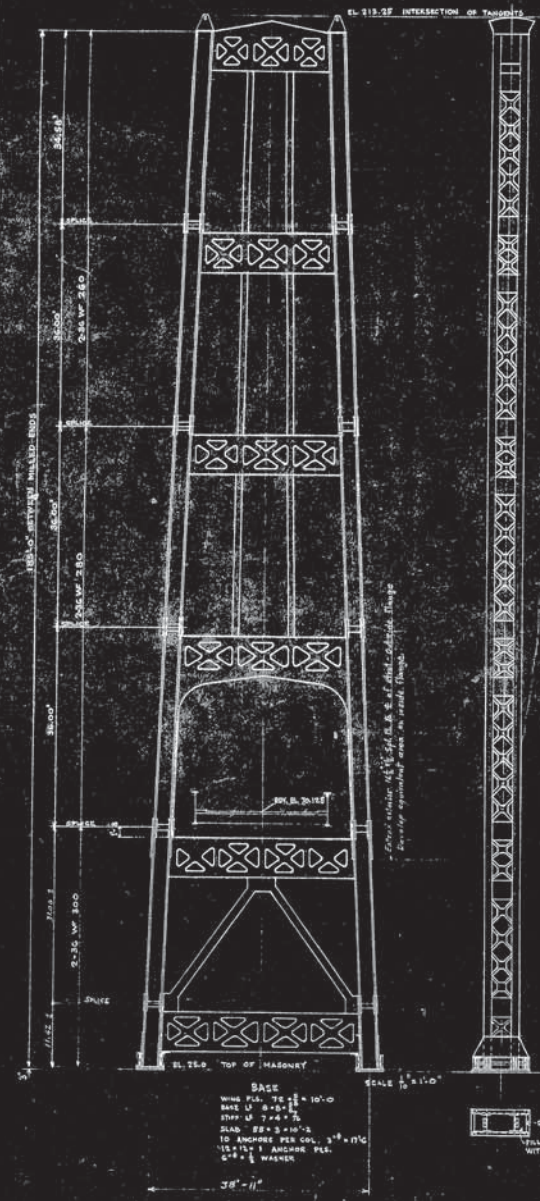
Scale 1/2" = 1'-0"

- General Notes:**
- Floor designed for H 15 loading, AS 3100 Specs, 1933
  - Concrete 3000 lb. at 28 days, n.e.o., 65,000, 1:1:3
  - Girders designed for uniform live load of 40 lb. per sq. ft. and on H 15 truck concentration between suspenders. Steel for the web, flange angles and flange bars, W 24 WF 74 and 24 WF 74 shall be selected so as to give the best design and lightest weight.
  - 36,000 and ultimate 62,720,000
  - Reinforcing, shop for deck is the type manufactured by the Reliance Steel Products Co., Bunkley, Pa. A grade of equivalent strength may be substituted but the weight is not to exceed 61.5 lb.

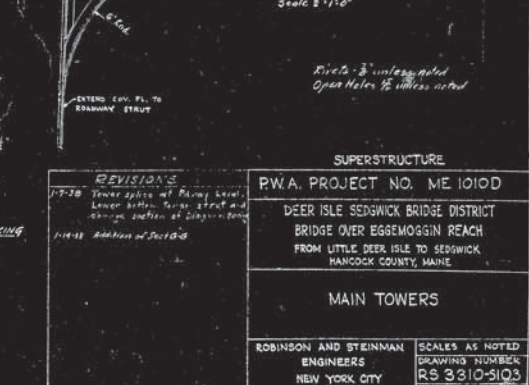
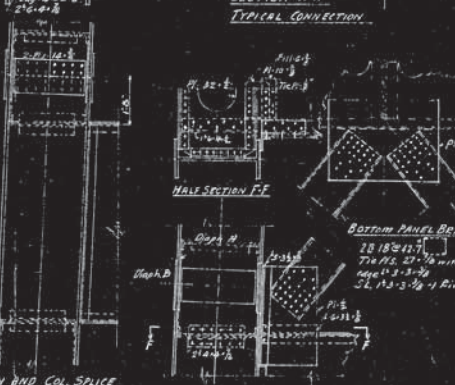
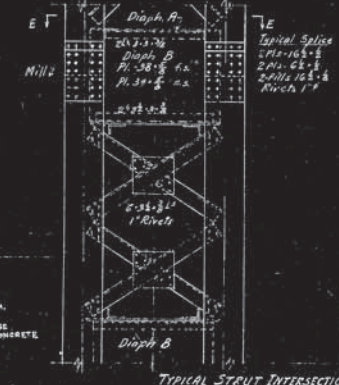
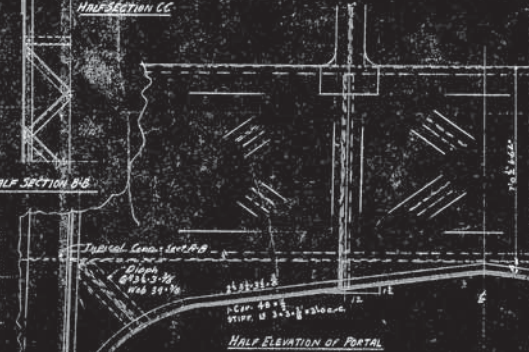
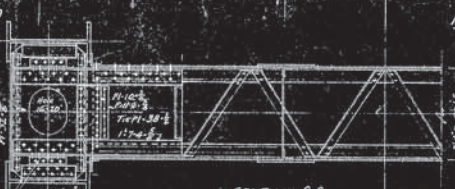
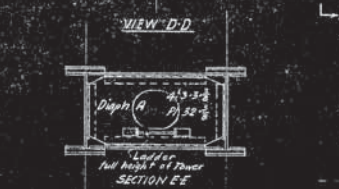
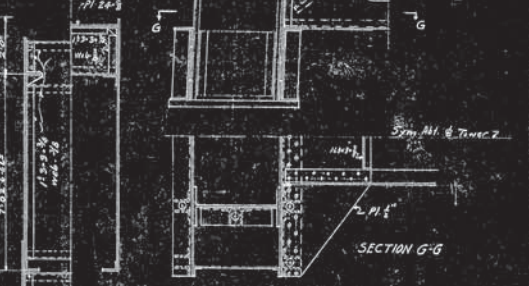
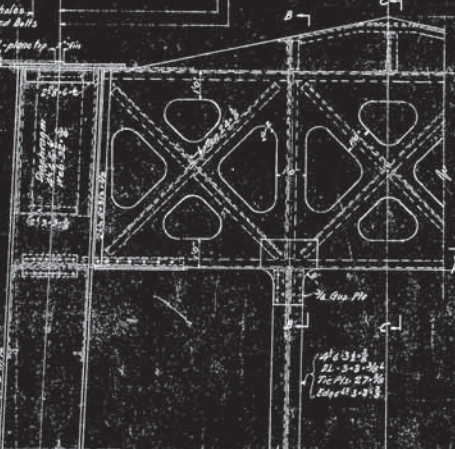
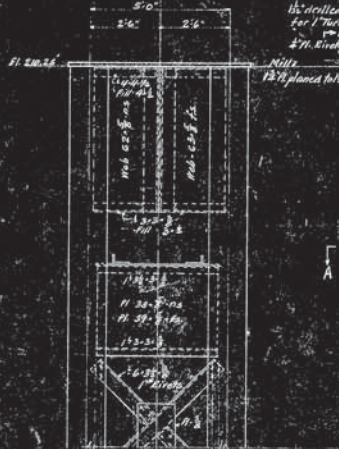
Revisions	
1-7-30	Stiff girder web, difference suggest suspender connection, floor beam at independent and web splice.
Quantities	
Structural Steel in Girders and Floor System	1,170,000 lbs.
Roadway deck	42,146 sq. ft.
Timber Sidewalk	8,887 cu. ft.

SUPERSTRUCTURE	
PWA PROJECT NO. MEJ10D	
DEER ISLE SEDGWICK BRIDGE DISTRICT BRIDGE OVER EGGENOGGIN BEACH FROM LITTLE DEER ISLE TO SEDGWICK HANCOCK COUNTY MAINE	
SUSPENSION BRIDGE CROSS SECTION AND STIFFENING GIRDERS	
ROBINSON AND STEINMAN ENGINEERS NEW YORK CITY	SCALES AS NOTED DRAWING NUMBER ES 3310 - 5102 SEPTEMBER 26, 1933





All Studs  
2 1/2" x 3 1/2"  
2 Ribs  
Diagonals 1 1/2 x 3 1/2  
2 1/2 x 3 1/2



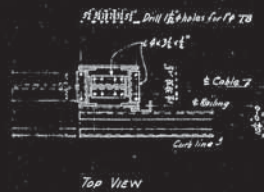
BASE  
WIND PLS. 75 LBS. 10'-0"  
DIA. U. 8x8x11  
SHIP U. 7x4x7.5  
SLAB. 88x3x10'-0"  
10 INCHES PER COOL. 3 1/2" x 1 1/2"  
ANGLE OR PLS.  
2" x 1/2" WASHER

SCALE 1/4" = 1'-0"  
DIAPH.  
W/ BASE  
WITH CONCRETE

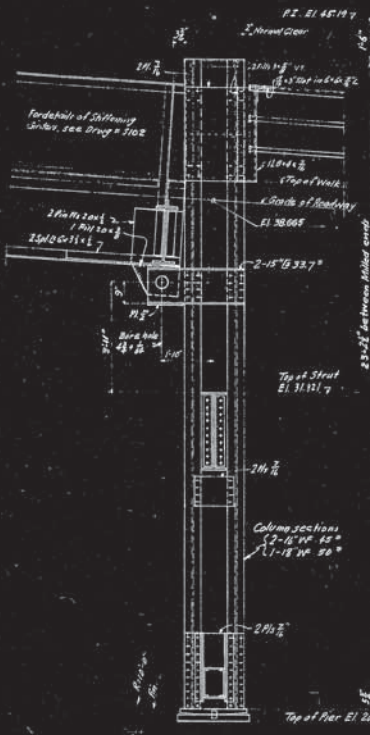
TYPICAL STOUT INTERSECTION AND COL. SPICE

REVISIONS  
1-7-26 Lower splice of Portal Level  
Lower letter series of steel and  
change section of Diagonal  
1-14-26 Addition of Section B-B

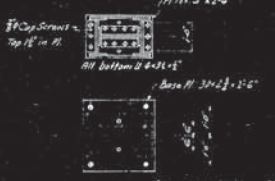
SUPERSTRUCTURE	
P.W.A. PROJECT NO. ME 1010D	
DEER ISLE SEDGWICK BRIDGE DISTRICT	
BRIDGE OVER EGGMOGGIN REACH	
FROM LITTLE DEER ISLE TO SEDGWICK	
HANGOCK COUNTY, MAINE	
MAIN TOWERS	
ROBINSON AND STEINMAN ENGINEERS NEW YORK CITY	SCALES AS NOTED DRAWING NUMBER RS 3310-S103 SEPTEMBER 4, 1927



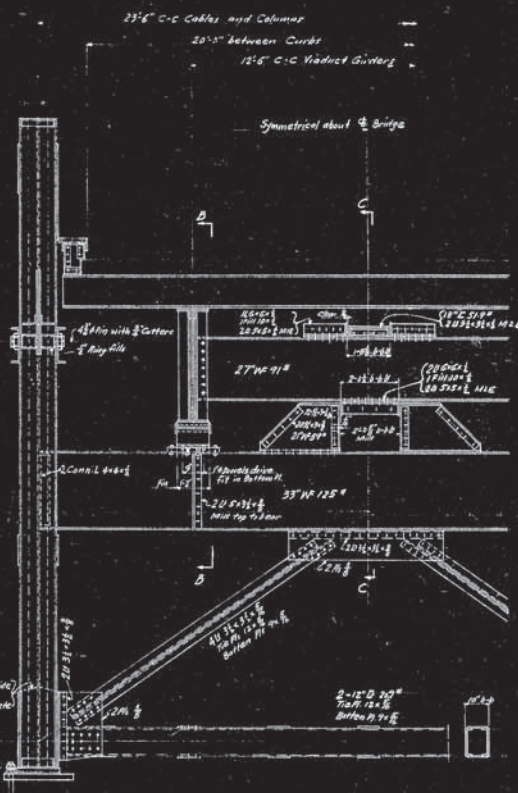
Top View



SECTION A-A

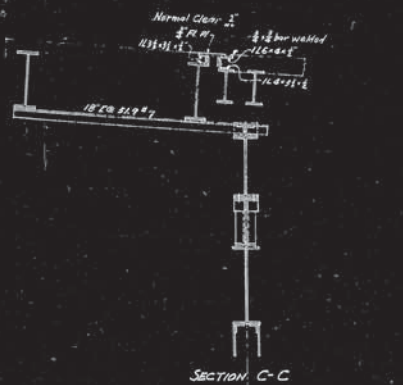


2\"/>

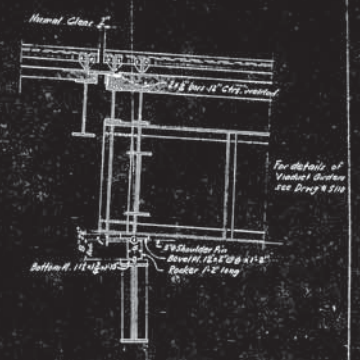


ELEVATION OF CABLE BENT

Note: Anchor bolts to be furnished by superstructure contractor and set by substructure contractor.



SECTION C-C



SECTION B-B

Note: Riv. 3/4\"/>

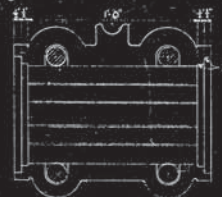
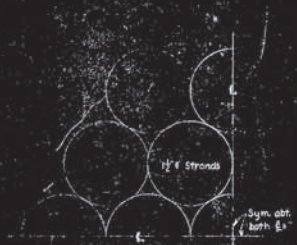
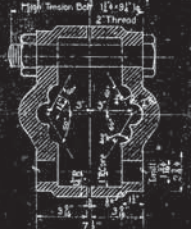
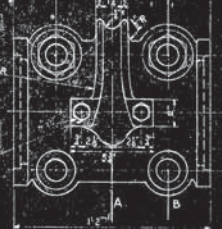
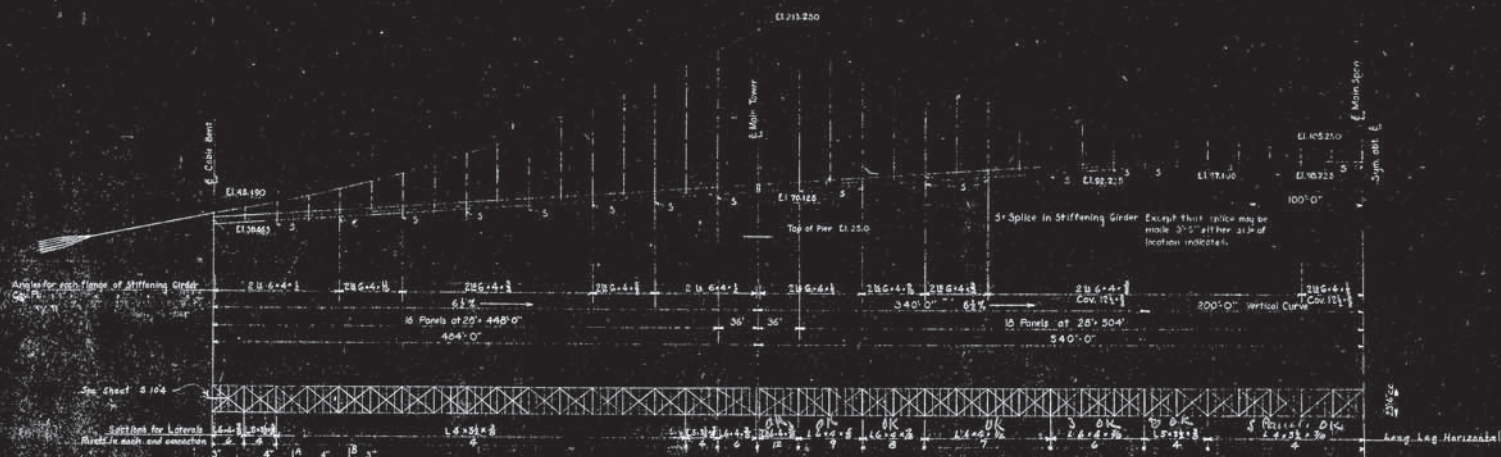
REVISION	DATE	REMARK
1-7-38		Redrawn

SUPERSTRUCTURE  
 P.W.A. PROJECT NO. ME1010D  
 DEER ISLE SEDGWICK BRIDGE DISTRICT  
 BRIDGE OVER ESEMOGGIN REACH  
 FROM LITTLE DEER ISLE TO SEDGWICK  
 HANCOCK COUNTY, MAINE.

CABLE BENTS

ROBINSON AND STEINMAN ENGINEERS  
 NEW YORK CITY  
 SCALE: 3/4\"/>

3 INCHES



CABLE BAND  
Scale 3" = 10"

WEIGHT OF ONE CABLE BAND = 206# TOTAL FOR BRIDGE = 28,704#  
WEIGHT OF HIGH TENSION BOLTS = 29# TOTAL FOR BRIDGE = 4002#

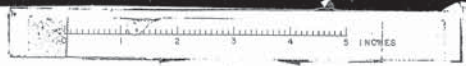
**Notes:**  
The elevation of cable and roadway given above are for a condition of full dead load and a normal temperature of 50°F. with Main Towers leaning 12" towards anchorages and Cable Bents leaning 1" towards anchorages.

**Cables:**  
Two Cables are required, each composed of 14 strands of 1/2" diameter.  
**Suspenders:**  
138 suspender ropes of 1/8" diameter are required, one rope looped over each cable band.  
The cable struts and suspenders will not have to be painted.  
The cable bands and suspender rope sockets shall be painted with three coats of paint as for structural steel.

WEIGHT OF ONE FORGING INCLUDING PIN = 22# TOTAL FOR BRIDGE = 6072#  
SUSPENSER LENGTH FOR BRIDGE = 15000 L.F.  
WEIGHT OF MAIN CABLE STRAND = 416,000#

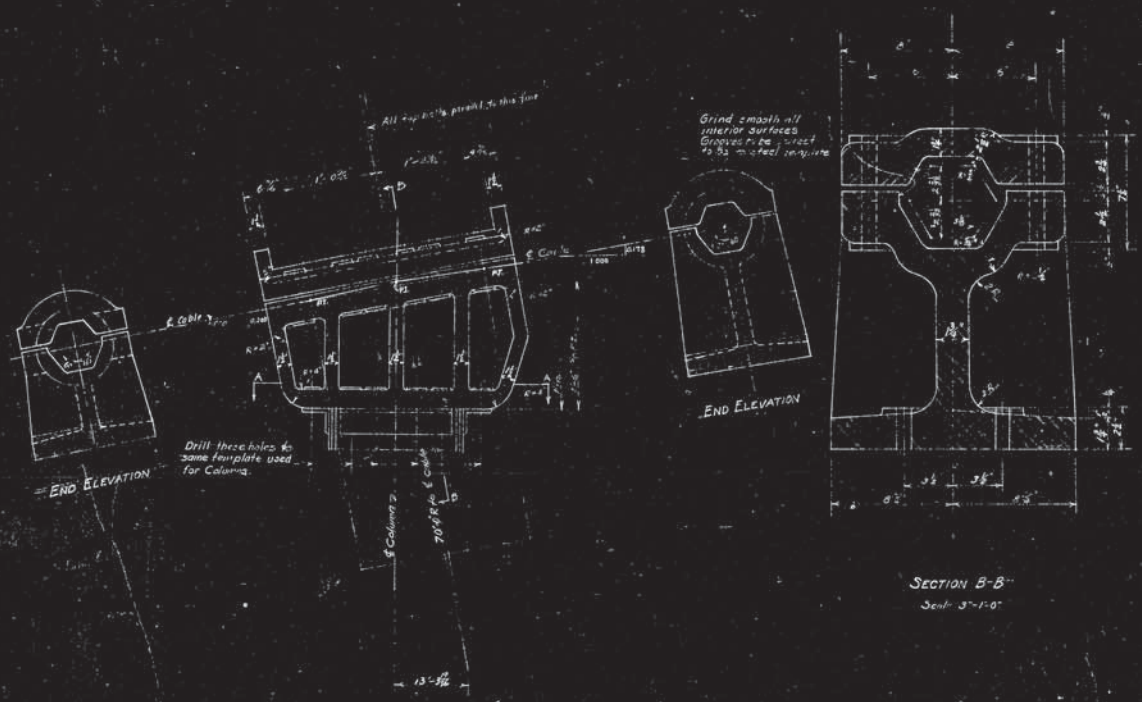
Revisions
1-7-35 - Lateral system redesigned as a tension and compression system.

**SUPERSTRUCTURE**  
P.W.A. PROJECT NO. ML 1010 D  
DEER ISLE JEDGWICK BRIDGE DISTRICT  
BRIDGE OVER EGGMOCGIN REACH  
FROM LITTLE DEER ISLE TO JEDGWICK  
MADISON COUNTY, MAINE  
**CABLE DETAILS  
AND LATERAL SYSTEM**  
ROBINSON AND STEINMAN  
ENGINEERS  
NEW YORK CITY  
SCALE - AS NOTED  
DRAWING NUMBER  
RS 3310-3105  
SEPTEMBER 4, 1935







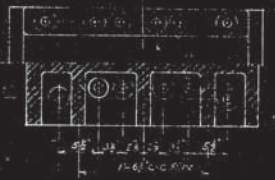


ELEVATION OF CABLE BENT SADDLE  
4 Required Cast Steel annealed  
Scale 1/2\"/>

Drill 1/2\"/>

Symmetrical abt. 2  
of Column & Casting

All bosses 3\"/>



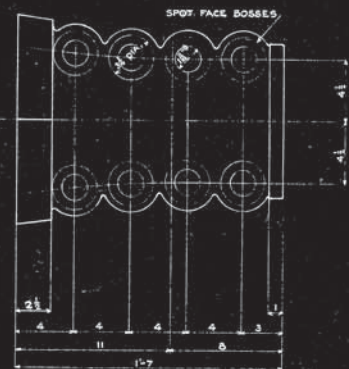
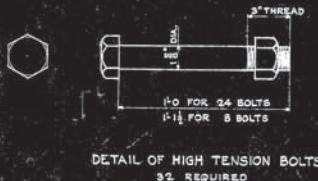
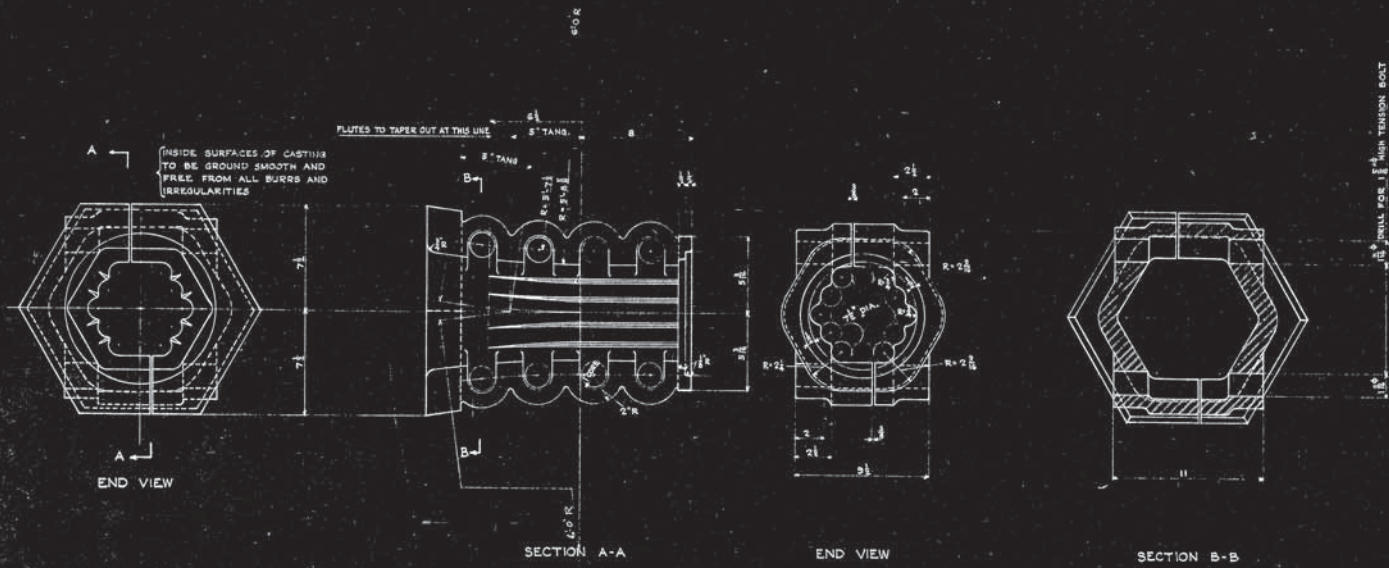
HALF SECTION A-A

WEIGHT OF ONE CABLE BENT SADDLE 2000#  
TOTAL FOR BRIDGE 8000#

REVISION	DATE	REMARK
1-7-31		Reduction of thickness and correction of R.

SUPERSTRUCTURE	
P.W.A. PROJECT NO. 1W.1010D	
DEER ISLE DENNYWICK BRIDGE DISTRICT BRIDGE OVER EGGEMOGGIN RIVER FR. 34.5' TO DEER ISLE TO DENNYWICK BRIDGE & COUNTY ALLEYS	
CABLE BENT SADDLES	
ROBINSON AND STEINMAN ENGINEERS NEW YORK CITY	SCALE - AS NOTED DRAWING NUMBER RS 3310- S100 SEPTEMBER 1931

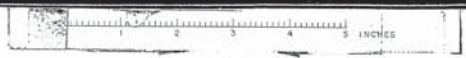




\* REQUIRED CAST STEEL ANNEALED  
COMPLETE WITH HIGH TENSION BOLTS

WEIGHT OF ONE SPLAY CASTING = 480<sup>LB</sup> TOTAL FOR BRIDGE = 1650<sup>LB</sup>  
WEIGHT OF HIGH TENSION BOLTS FOR ONE CASTING = 30<sup>LB</sup> TOTAL FOR BRIDGE = 360<sup>LB</sup>

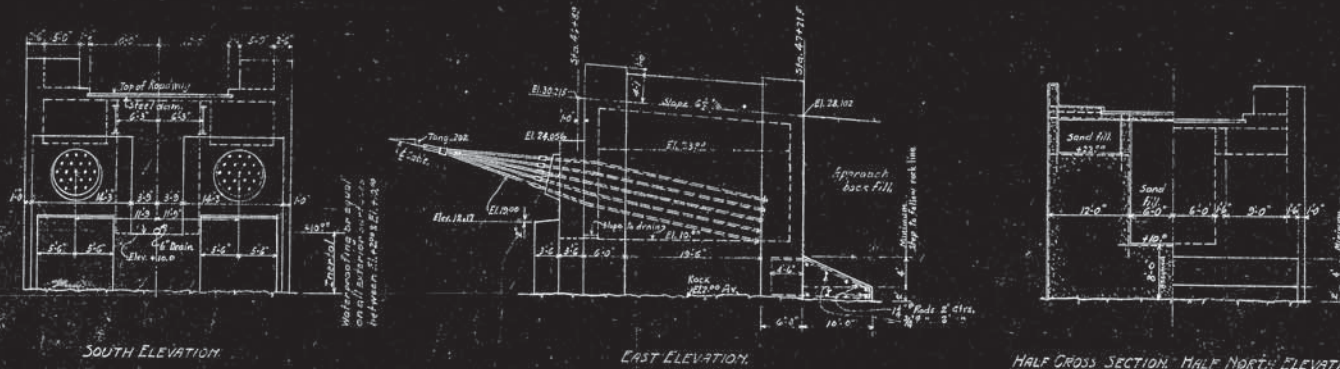
SUPERSTRUCTURE	
P.W.A. PROJECT NO: ME 1010D	
DEER ISLE SEDGWICK BRIDGE, DISTRICT BRIDGE OVER EGGEMOGGIN REACH, FROM LITTLE PEER ISLE TO SEDGWICK HANCOCK COUNTY, MAINE	
SPLAY CASTINGS	
ROBINSON AND STEINMAN ENGINEERS NEW YORK CITY	SCALE 3" = 1'-0" DRAWING NUMBER RS 3310-3109 SEPTEMBER 4, 1957







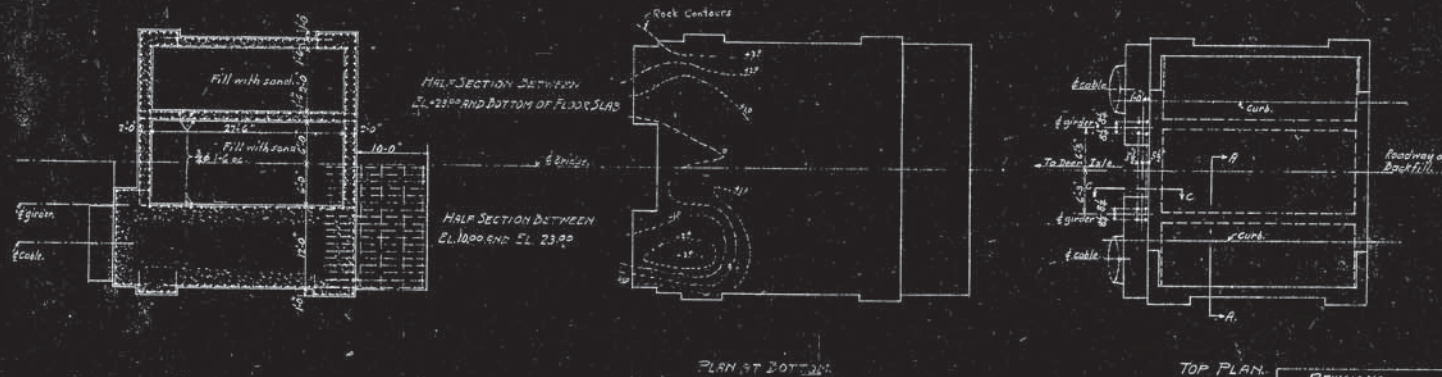




SOUTH ELEVATION

EAST ELEVATION

HALF CROSS SECTION, HALF NORTH ELEVATION



PLAN AT BOTTOM

TOP PLAN

Note  
For sections A-A, C-C anchor  
bolt details and general notes  
see drawing P112

ANCHORAGE QUANTITIES

Quantity	10.58 cu yd
Weight	37,600 lb
Volume	102 cu yd
Area	2,220 sq ft
Perimeter	2,260 ft
Area	45,100 sq ft
Perimeter	2,260 ft

REVISIONS

1-7-30	Meal of Anchorage Added detail and slope of curb at elev. 21.00 Correct size of curb
1-12-30	Revised anchor chain elevation and "Plan at Bottom" corrected to agree with other views as detailed in P112
2-11-30	In East Elevation, lower 3/4" sloping surface is 2' slope Corrected detail of Rock
2-19-30	Revise Elevation of Rock

SUBSTRUCTURE

PWA PROJECT NO ME 1010D

DEER ISLE SEDGWICK BRIDGE DISTRICT

BRIDGE OVER EGGEHOGGIN REACH,  
FROM LITTLE DEER ISLE TO SEDGWICK,  
HANCOCK COUNTY, MAINE

**SEDGWICK ANCHORAGE**

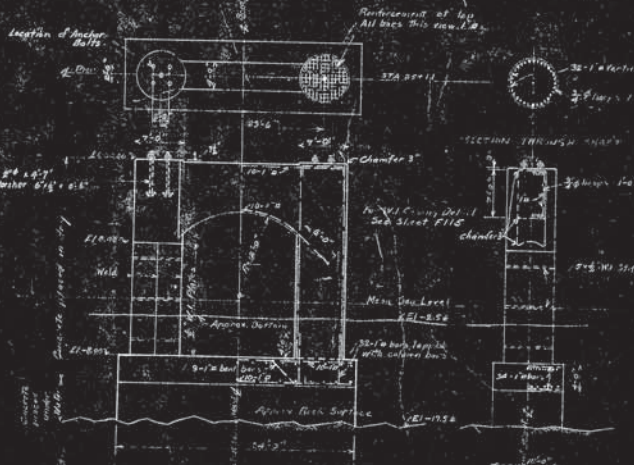
ROBINSON AND STEINMAH  
ENGINEERS  
NEW YORK CITY

SCALE 1" = 1' FOOT  
DRAWING NUMBER  
RS3310-F113  
JAN 4 1930



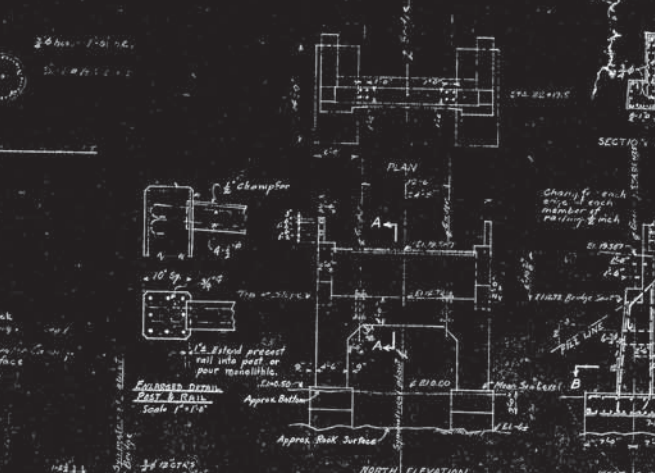


PIER NO. 6

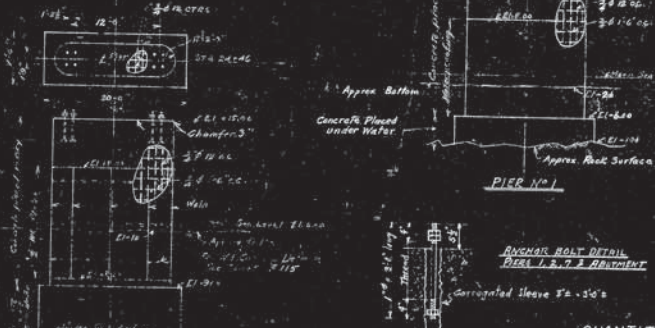


PIER NO. 3

**SPECIAL NOTE:**  
Should contractor choose to construct side of Pier 3  
back by use of dam, well points, or other means,  
the pier columns may be founded directly on rock  
as in Pier No. 6, the concrete base being omitted.  
W.P. Casting must be carried down to EL-200.

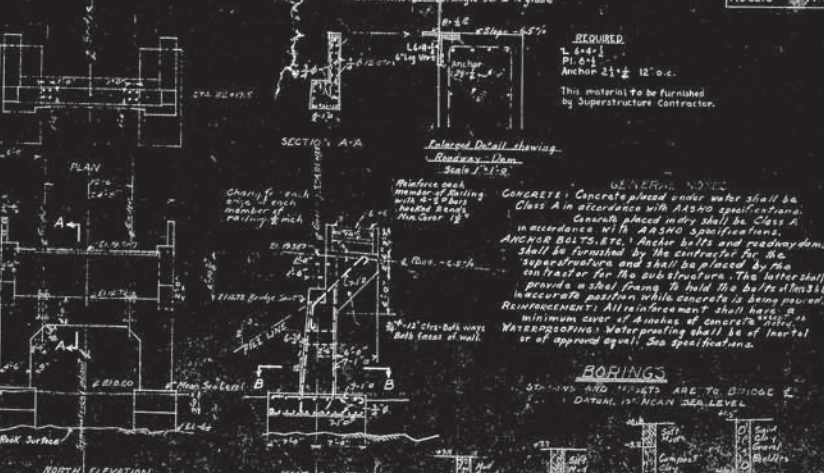


PIER NO. 7

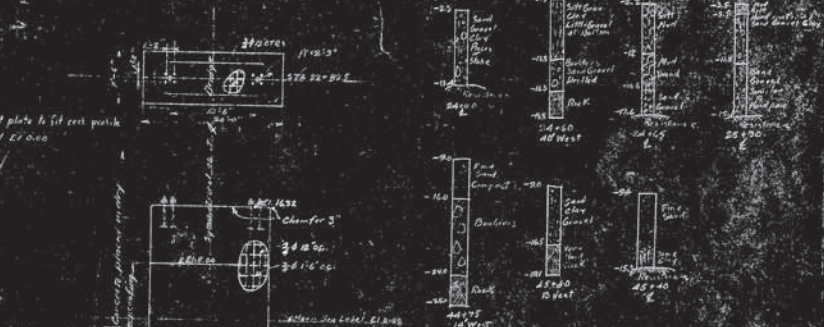


PIER NO. 2

**SPECIAL NOTE:**  
Should contractor choose to construct side of Pier 2 or Pier 7  
back by use of dam, well points, or other means,  
the pier may be founded directly on rock as shown  
for Pier No. 7, the base being omitted.



DEER ISLE ABUTMENT



PIER NO. 1

**REVISIONS**  
P-138 - Revised groups from roadway of abutment.  
Bases of Piers 6 & 7 revised to agree with Addition No. 1, Nov. 17.  
P-21-22 - Spacing under Ballast 386  
P-21-38 - Added details of abutment. Added details of rock work. Added sizes of Arch Deltas.

ANCHOR BOLT DETAIL  
PIER 1, 2, 7 & ABUTMENT

QUANTITIES

ITEM	UNIT	PIER 1	PIER 2	PIER 3	PIER 6	PIER 7	DEER ISLE ABUTMENT
CONCRETE PLACED UNDER WATER	CY	22	44	09	37	16	16
CONCRETE PLACED ON DRY	CY	50	64	127	80	65	650
REINFORCEMENT	LB	2,310	2,570	12,710	14,200	14,970	6,950
WROUGHT IRON	LB		15,660	7,270	4,200	6,520	
WATERPROOFING	SQ. FT.	220					

**REQUIRED:**  
L 6x6  
PL 6x1  
ANCHOR 2 1/2" x 12" o.c.  
This material to be furnished by Superstructure Contractor.

**GENERAL NOTE:**  
CONCRETE: Concrete placed under water shall be Class A in accordance with ASDO specifications. Concrete placed on dry shall be Class A in accordance with ASDO specifications. ANCHOR BOLTS, ETC.: Anchor bolts and nuts/washers shall be furnished by the contractor for the superstructure and shall be placed by the contractor for the substructure. The latter shall provide a steel frame to hold the bolts in their accurate position while concrete is being poured. REINFORCEMENT: All reinforcement shall have a minimum cover of 4 inches of concrete. WELDS: Waterproofing shall be of Inertal or of approved equal. See Specifications.

ROOFINGS

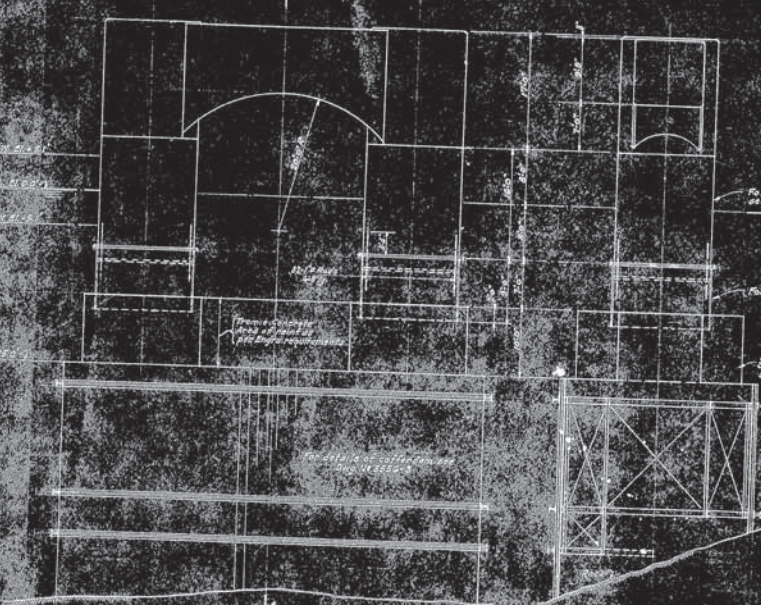
STEEL AND BRACKETS ARE TO BRIDGE E  
DETAIL 17' MEAN SEA LEVEL

**SUBSTRUCTURE**  
PWA PROJECT NO. ME 1010 D  
DEER ISLE SEAWARD BRIDGE DISTRICT  
DEER ISLE TOWN BEACH  
FROM LITTLE DEER ISLE TO SEADWCK  
HARCOCK COUNTY, MAINE  
**CABLE BENT PIERS**  
**VIADUCT PIERS AND ABUTMENT**  
ROBINSON AND STEINMAN  
ENGINEERS  
NEW YORK CITY  
SCALE 3/4" = 1'  
DRAWING NUMBER  
RS 3310 - F114  
SEPTEMBER 4, 1937





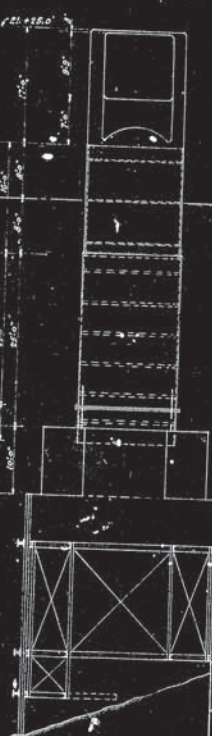




SECTION A-A



SECTION B-B



Main Sea Level Elev.

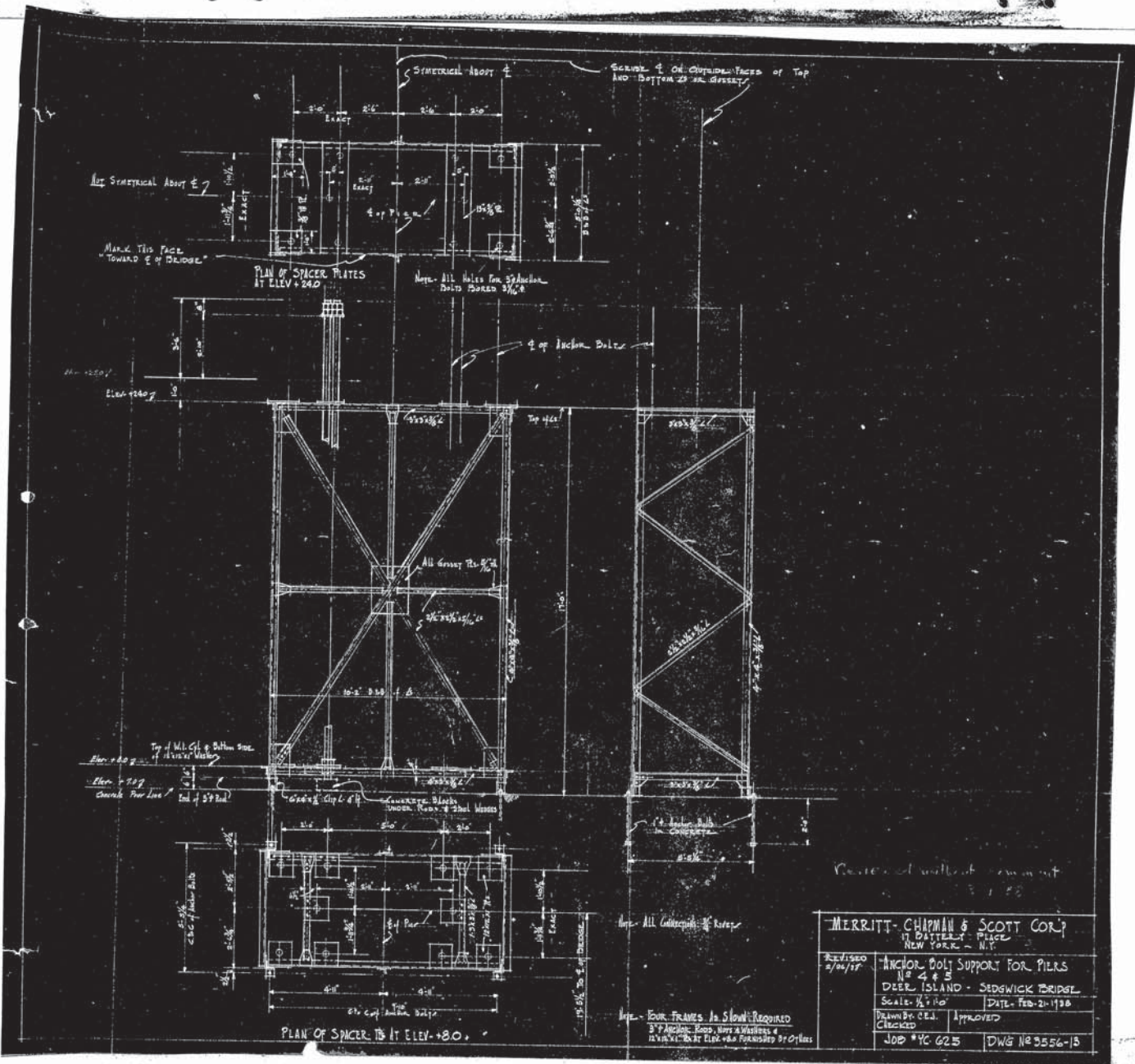
Top of Sheet Piling Elev.

Revised 1-21-35

MERRITT-CHAPMAN & SCOTT CORP.  
17 BATTERY PLACE  
NEW YORK - N.Y.

REVISED	METHOD OF ERECTION	
	PIERS NO. 4 & NO. 5	
	DEER ISLAND - SEDGWICK BRIDGE	
Scale 9"=10'	Date	Jan. 14, 1935
Drawn by J. Kelly	Checked by	Approved
JOB YC-625	DWG. NO. 5556-2	



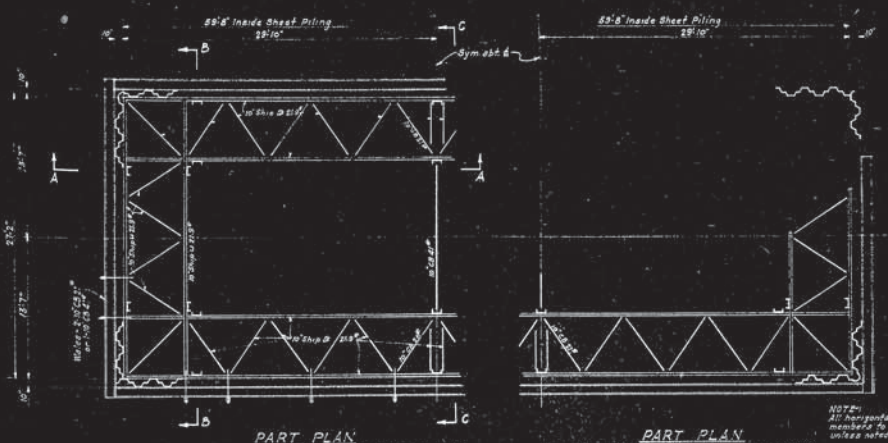


MERRITT-CHIPMAN & SCOTT CORP  
 17 BATTERY PLACE  
 NEW YORK - N.Y.

Anchor Bolt Support for Piers  
 DEER ISLAND - SEDGWICK BRIDGE  
 SCALE:  $\frac{1}{4}'' = 1'-0''$  DATE: Feb-21-1928

Drawn by C.E.J. APPROVED  
 Checked

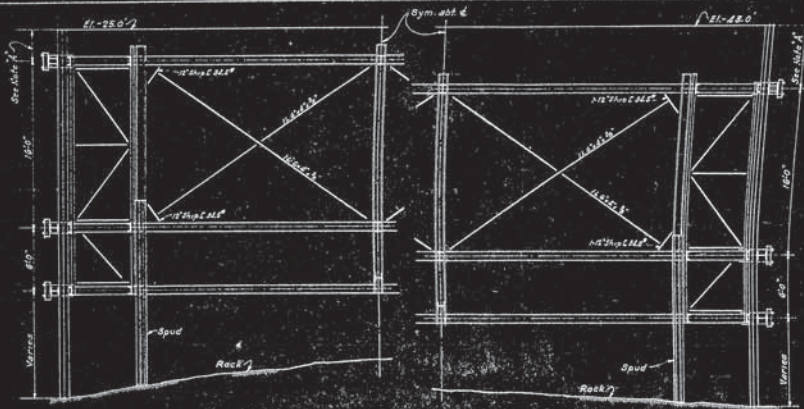
JOB #YC 625 DWG #E3556-13



PART PLAN  
TOP & CENTER TIERS OF BRACING

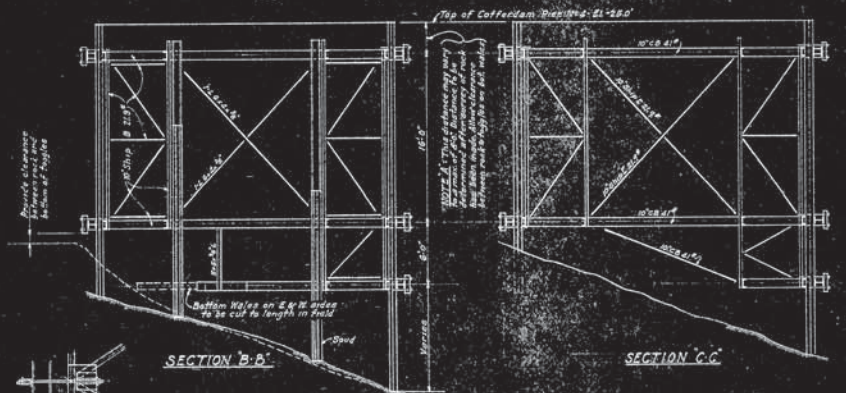
PART PLAN  
BOTTOM TIER OF BRACING

NOTE: All horizontal and vertical members to be 10" Dia. x 21" unless noted otherwise.



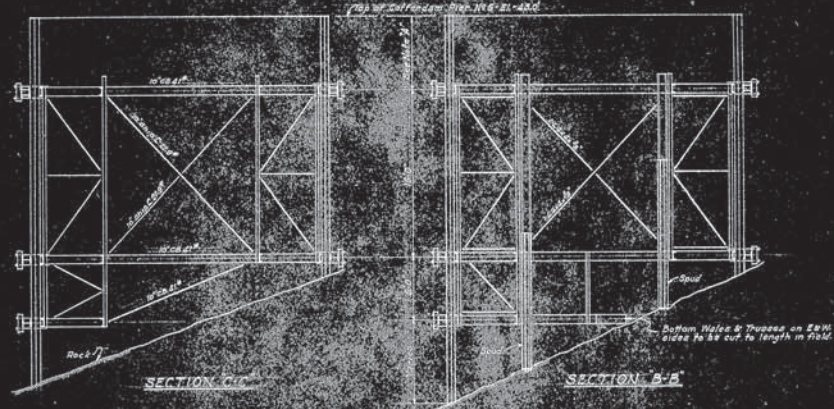
SECTION A-A  
PIER NO. 4

SECTION A-A  
PIER NO. 5



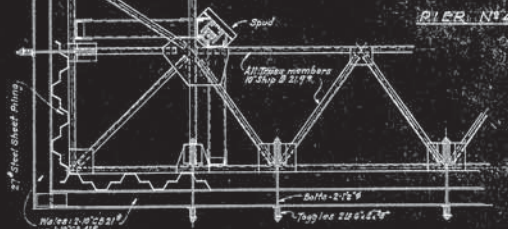
SECTION B-B

SECTION C-C



SECTION C-C

SECTION B-B



PIER NO. 4



TYPICAL DETAILS OF SHEET PILING AT CORNERS

TYPICAL DETAILS  
Scale 3/4" = 1'

Reviewed 3-21-38  
R.M.S.

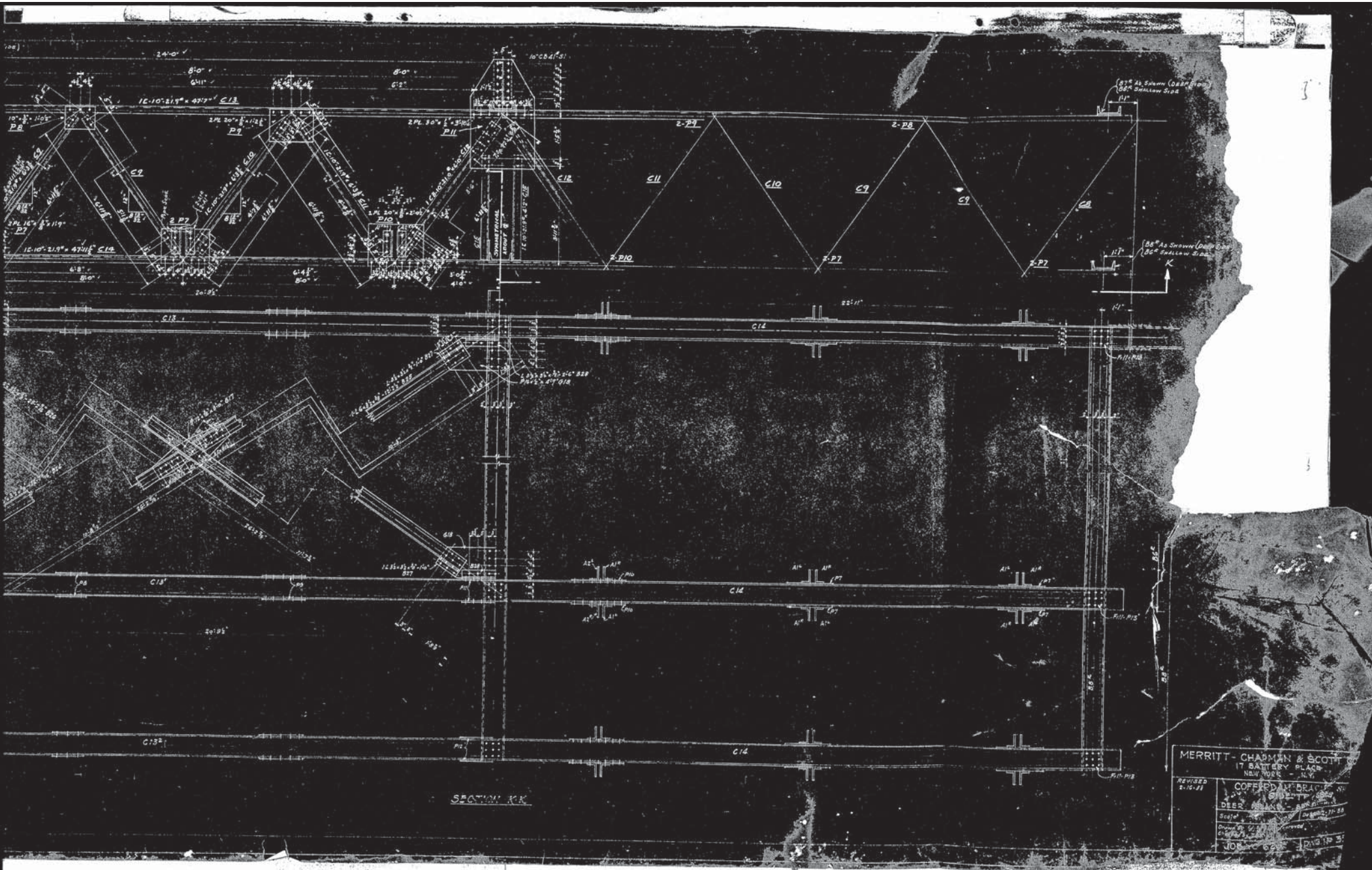
MERRITT - CHAPMAN & SCOTT CORP 17 BATTERY PLACE NEW YORK - (N.Y.)	
DESIGNED BY	BASE COFFERDAM LAYOUT PIERS NO. 4 & NO. 5
DRAWN BY	DEER ISLAND - SEDGWICK BRIDGE
SCALE	3/4" = 1'
DATE	Jan. 10, 1938
APPROVED	
CHECKED BY	
JOB NO.	YG 625
DWG. NO.	3556-5











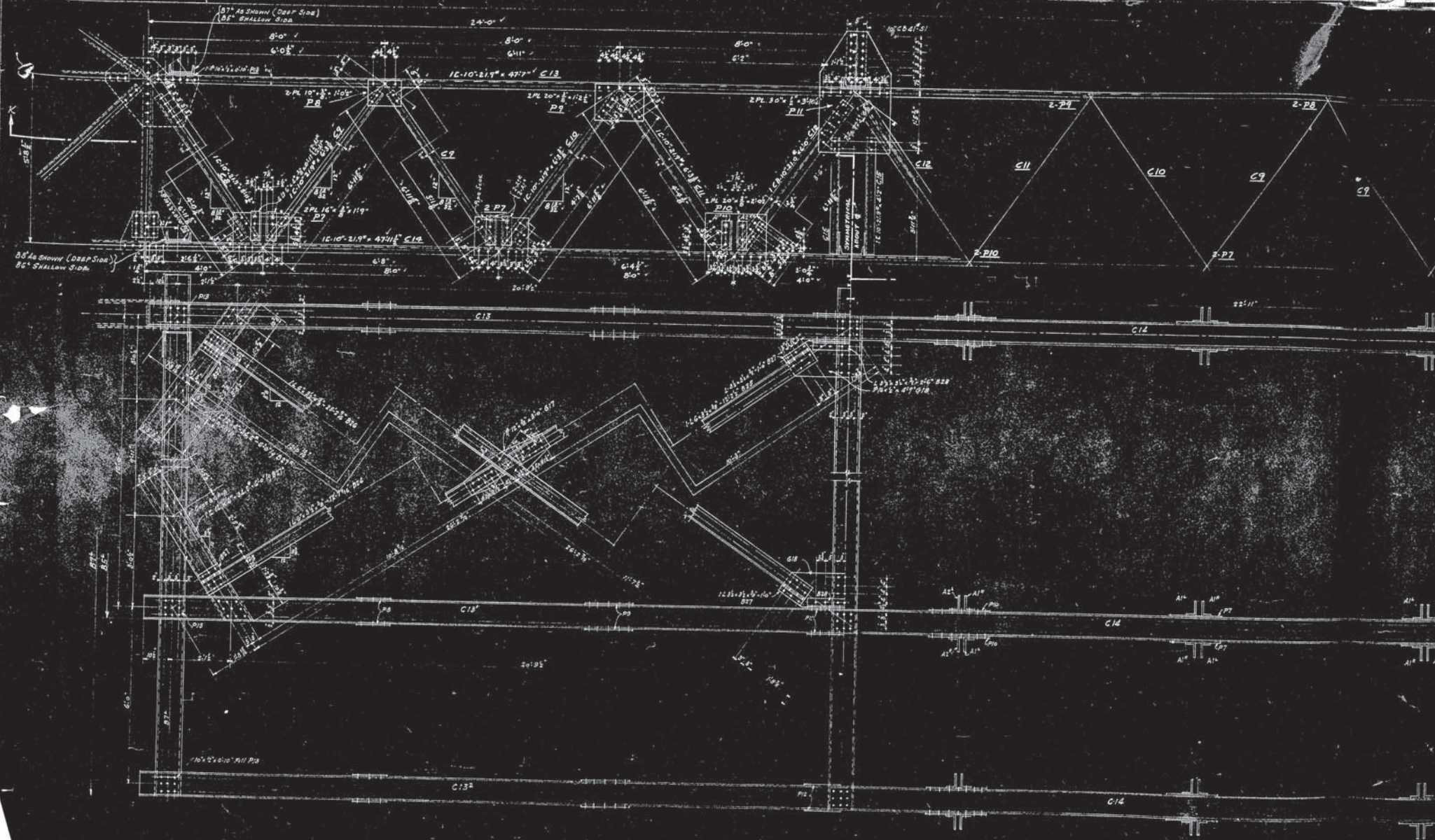
SECTION A-K

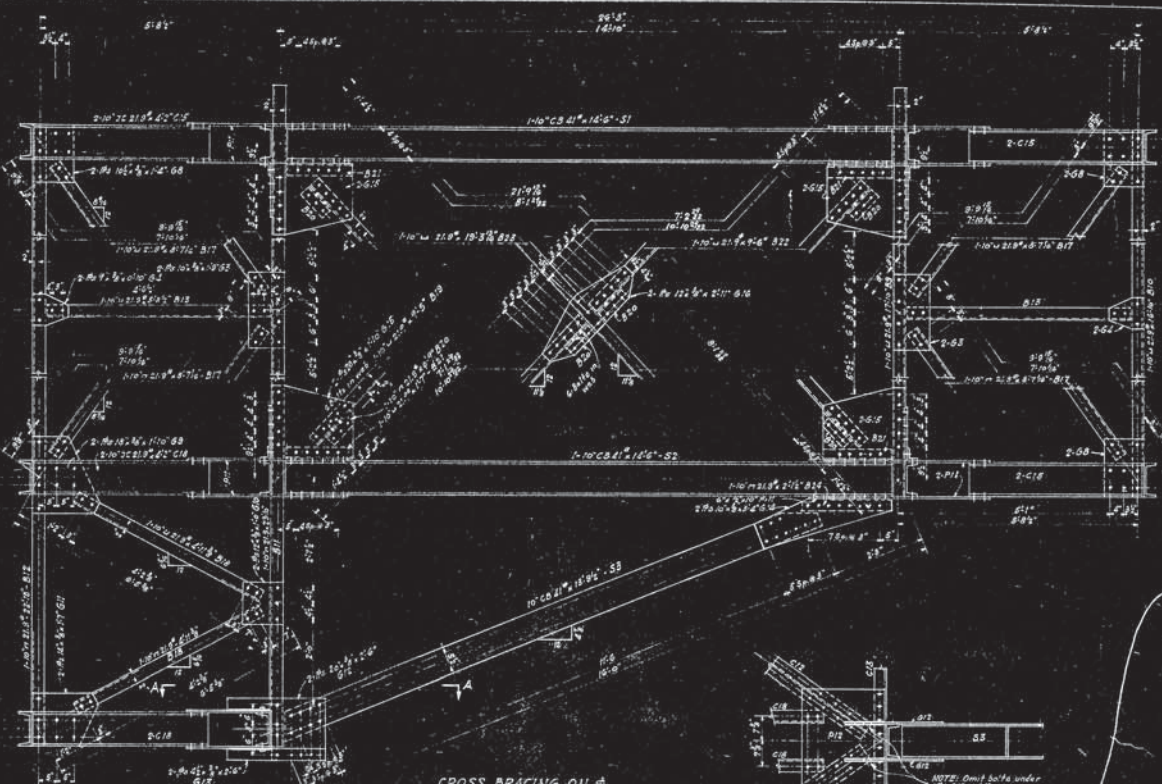


MERRITT - CHAPMAN & SCOTT  
 17 BATTERY PLACE  
 NEW YORK - N.Y.

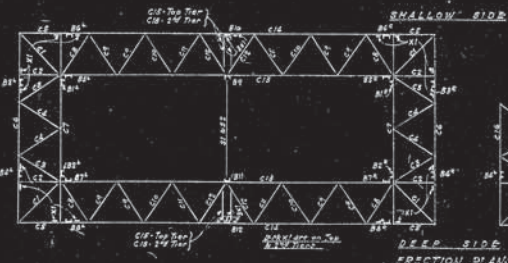
REVISED 2-12-11

COFFERED IN BRACKETS  
 DEER BRAND - BRIDGE  
 JOB NO. 625

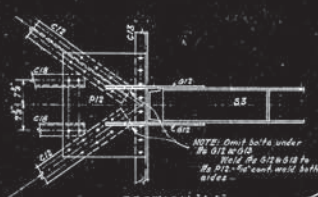




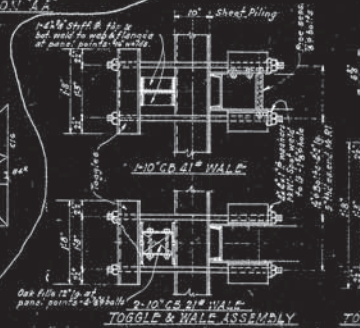
CROSS BRACING ON G



ERECTOR PLANS



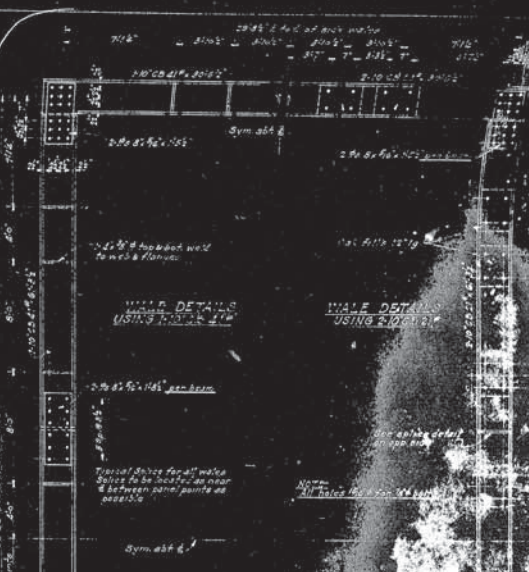
SECTION 'A-A'



TOGGLE & WALK ASSEMBLY

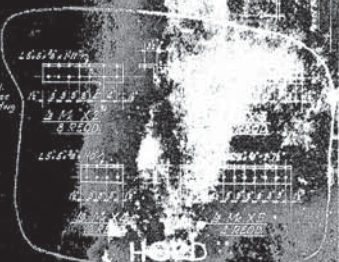


DETAIL OF 3 WALK BOARD



WALK DETAILS

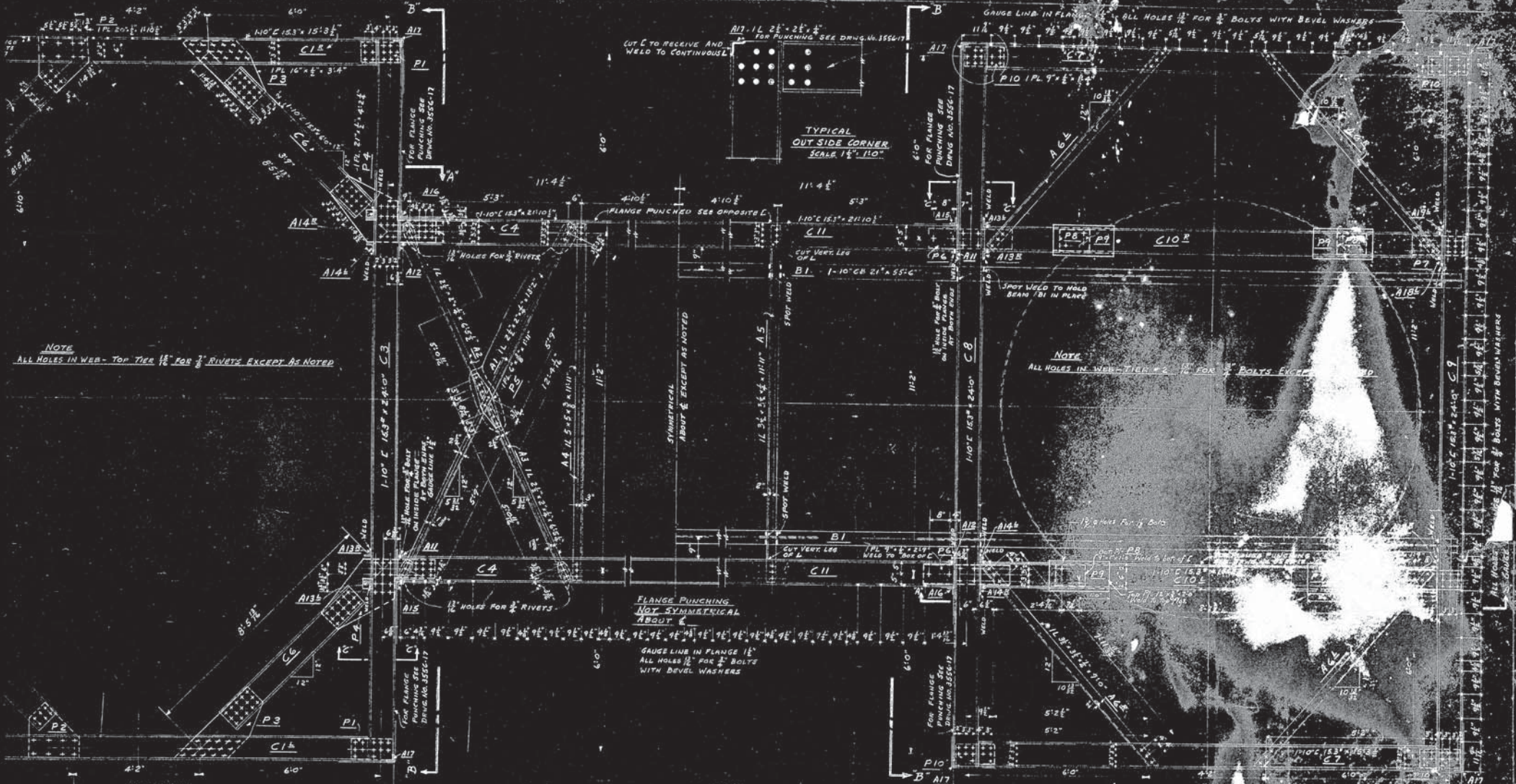
WALK DETAILS



HOLD

MERRITT-CHAPMAN & SCOTT CORP.	
17 BATTERY PLACE NEW YORK - N.Y.	
REVISIONS	
NO.	DESCRIPTION
1	AS SHOWN
COOPERMAN BRIDGE SW 3 CROSS BRACING ON G DEER ISLAND - BROOKLYN BRIDGE	
Scale	Date 2-11-58
Drawn by [Signature]	Approved [Signature]
Checked by [Signature]	
JOB NO. 625	DWG. NO. 3556-10





NOTE  
ALL HOLES IN WEB - TOP TIER 1/2" FOR 3/4" RIVETS EXCEPT AS NOTED

NOTE  
ALL HOLES IN WEB - TIER #2 1/2" FOR 3/4" BOLTS EXCEPT AS NOTED

FLANGE PUNCHING  
NOT SYMMETRICAL  
ABOUT C

GAUGE LINE IN FLANGE 1/2"  
ALL HOLES 1/2" FOR BOLTS  
WITH BEVEL WASHERS

TYPICAL  
OUT SIDE CORNER  
SCALE 1/2" = 110"

TIER #1 (from)

TIER #2

NOTE -  
FOR TIERS No. 3-4 & 5 SEE DRWG. NO. 3552-16  
SECTIONS & DETAILS

MERRITT, CHAPMAN & SCOTT CORP. 17 BATTERY PLACE NEW YORK, N.Y.	
DESIGNED 3-17-35	STEEL DETAILS TIERS #1 & #2 DISTRIBUTION CLARK BARRIS & CO. DEER ISLAND, SEBASTIAN BRIDGE
SCALE 1/4" = 110"	NO. 3552-17
DRAWN BY C. J. S. CHESTNUT	CHECKED BY K. H. W.
JOB NO. 625 DWG. NO. 3552-15	



