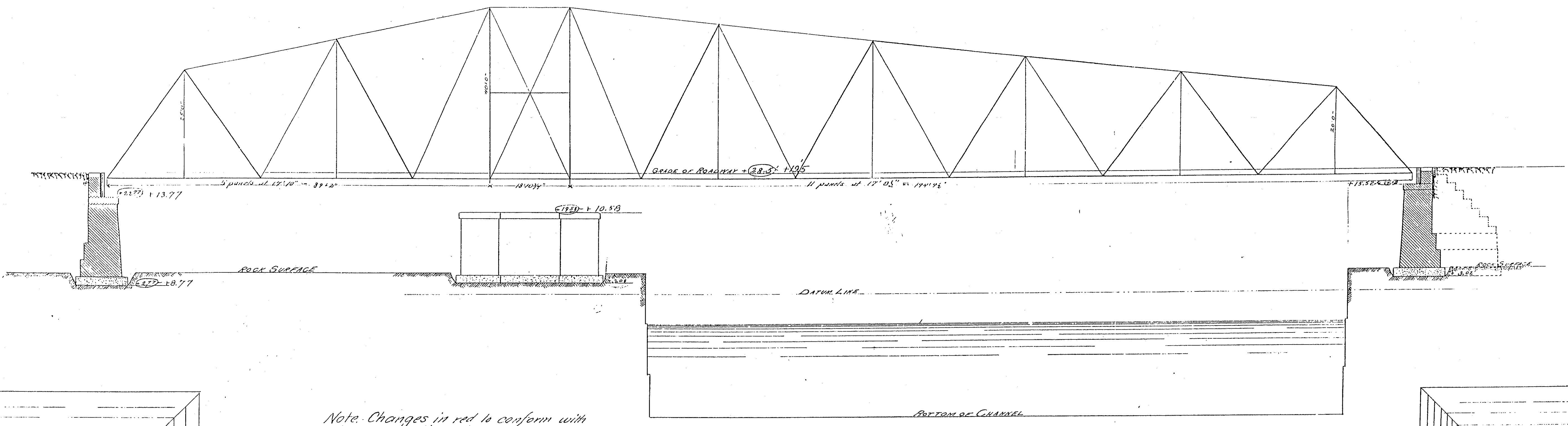
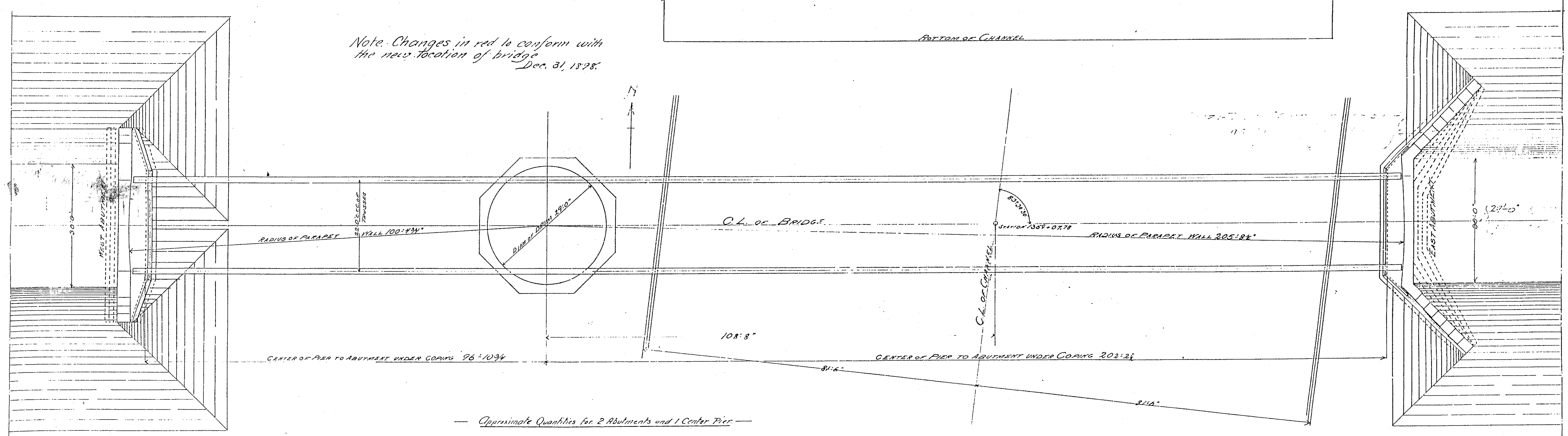


ROMEO ROAD, SANITARY AND SHIP CANAL BRIDGE



Note: Changes in red to conform with the new location of bridge Dec. 31, 1898.



Approximate Quantities for 2 Abutments and 1 Center Pier

Excavation (Rock)	153 cu yds.
Natural Cement Concrete	155 "
Portland "	153 "
Masonry (Red Sand Stone)	58 "
Masonry (San. Dist. dimension stone)	716 "

Note: These quantities are approximate and for purpose of preparing bids only.

DUE TO INSUFFICIENT INFORMATION AT THE TIME OF EDITING THIS MATERIAL MAY NOT CONFORM TO MASS OR HAER STANDARDS.

DUE TO INSUFFICIENT INFORMATION AT THE TIME OF EDITING THIS MATERIAL MAY NOT CONFORM TO HAER OR HAER STANDARDS.

SANITARY DISTRICT OF CHICAGO.
CHICAGO, ILL.
GENERAL PLAN

FOR
ROMEO ROAD
OVER MAIN CHANNEL

Scale noted in inch
Chicago July 1898
Corrected by *Edward Wickman*
Chief Engineer

HISTORIC AMERICAN
ENGINEERING RECORD
NO. IL-41

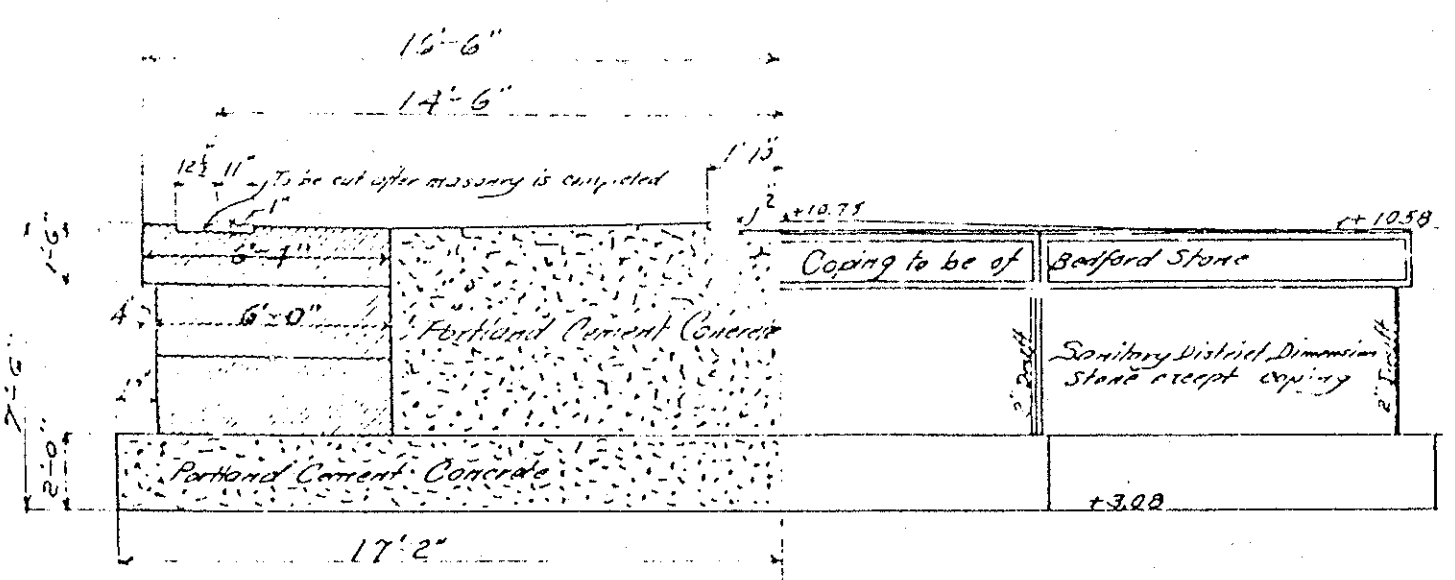
SHEET
1 of 13

ROMEO ROAD, SANITARY AND SHIP CANAL BRIDGE
1.8 M CANAL NATIONAL HERITAGE CORRIDOR
ROMEO ROAD, ROMEOVILLE, WILL COUNTY, ILLINOIS

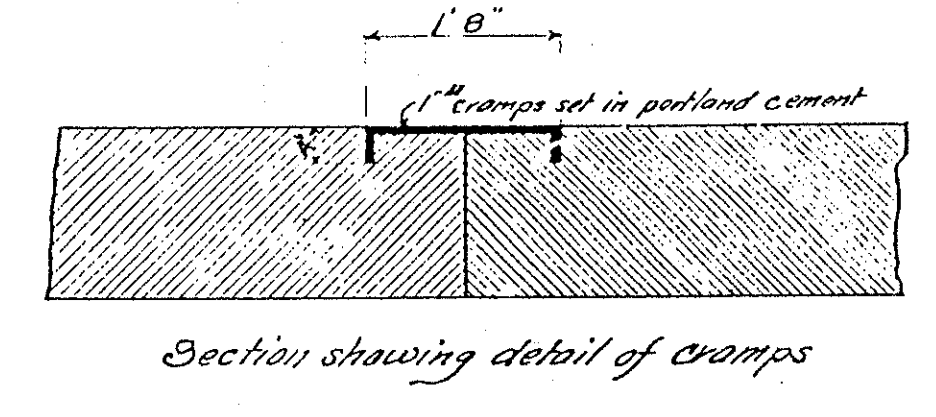
ROCKY MOUNTAIN REGIONAL OFFICE / DENVER
UNITED STATES DEPARTMENT OF THE INTERIOR

IF REPRODUCED, PLEASE CREDIT: HISTORIC AMERICAN ENGINEERING RECORD, NATIONAL PARK SERVICE, NAME OF DELINEATOR, DATE OF THE DRAWING
This drawing was reproduced from the original 1898 construction drawing.

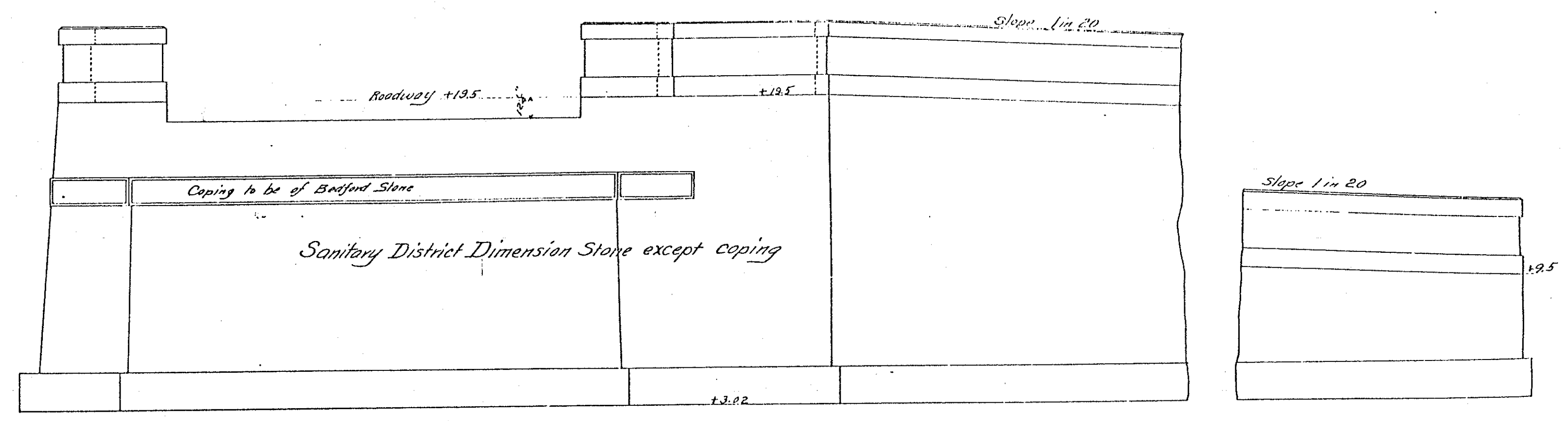
2-5
8
1



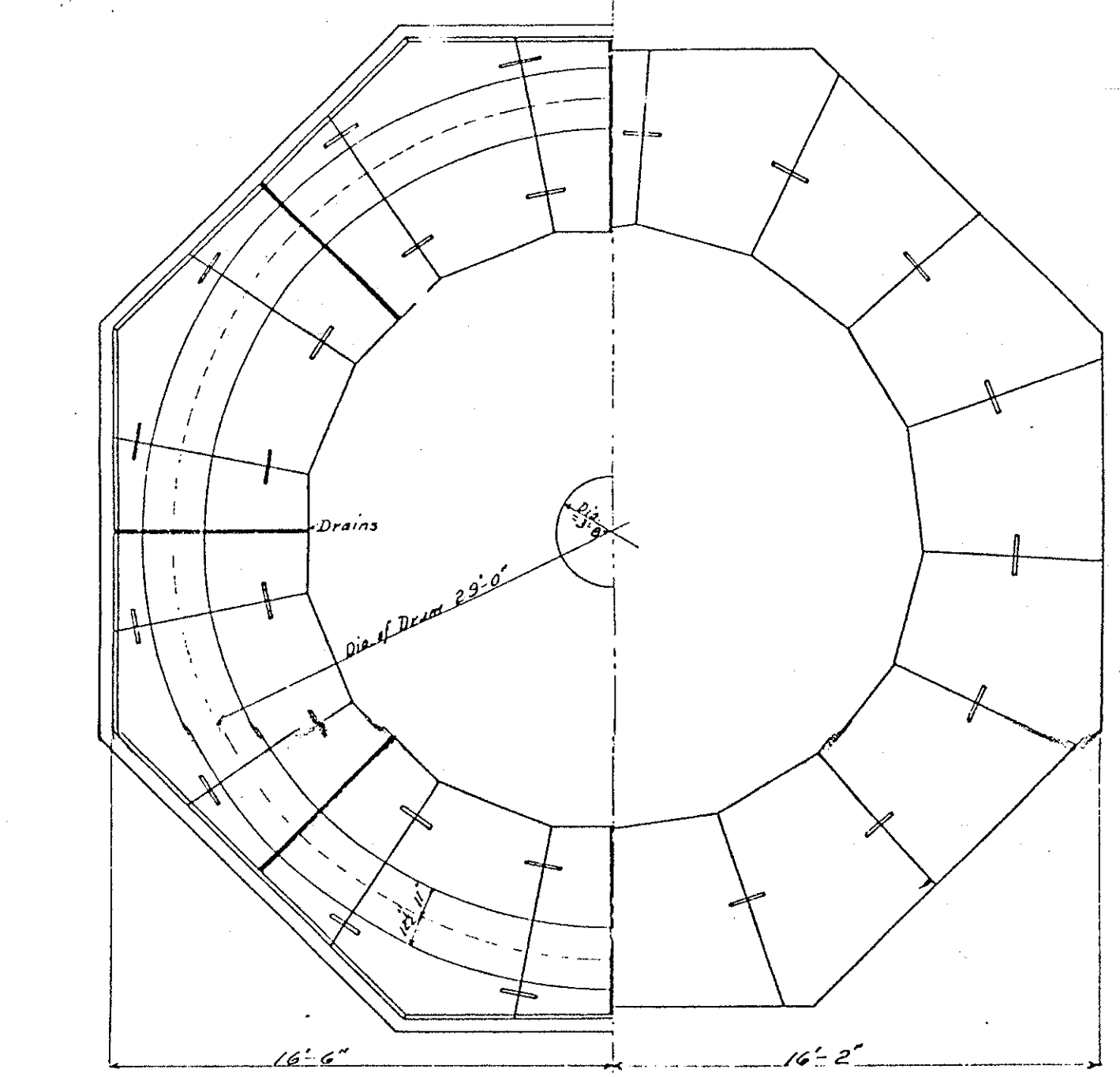
SECTION AND ELEVATION OF CENTER PIER



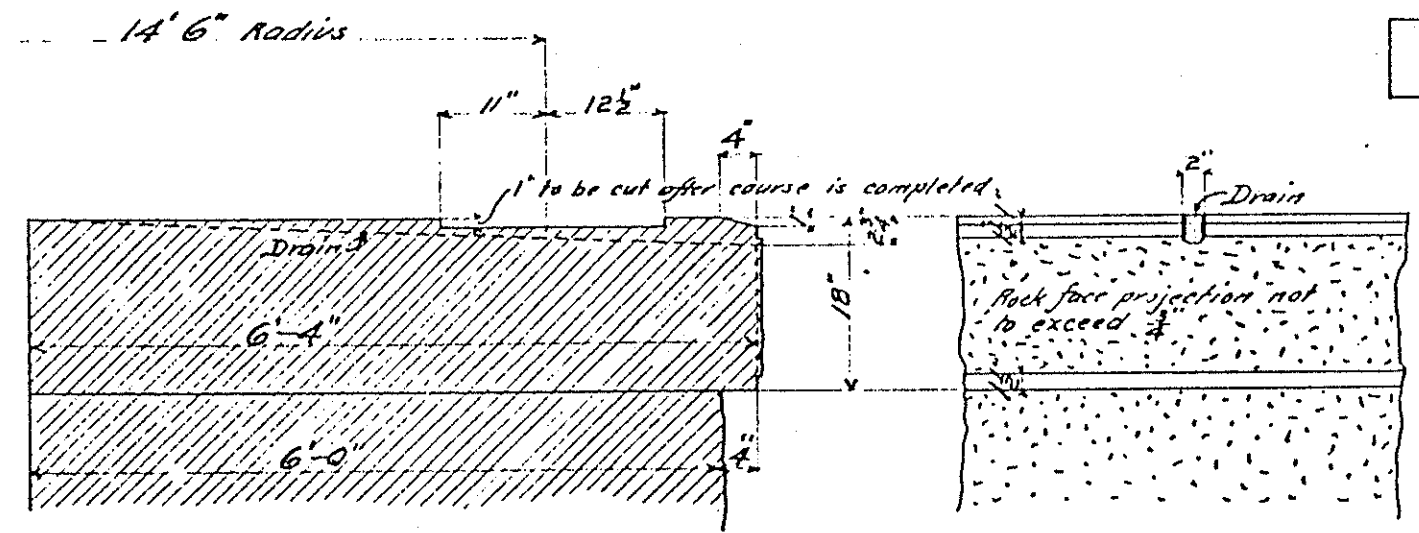
SECTION SHOWING DETAIL OF CRAMPS



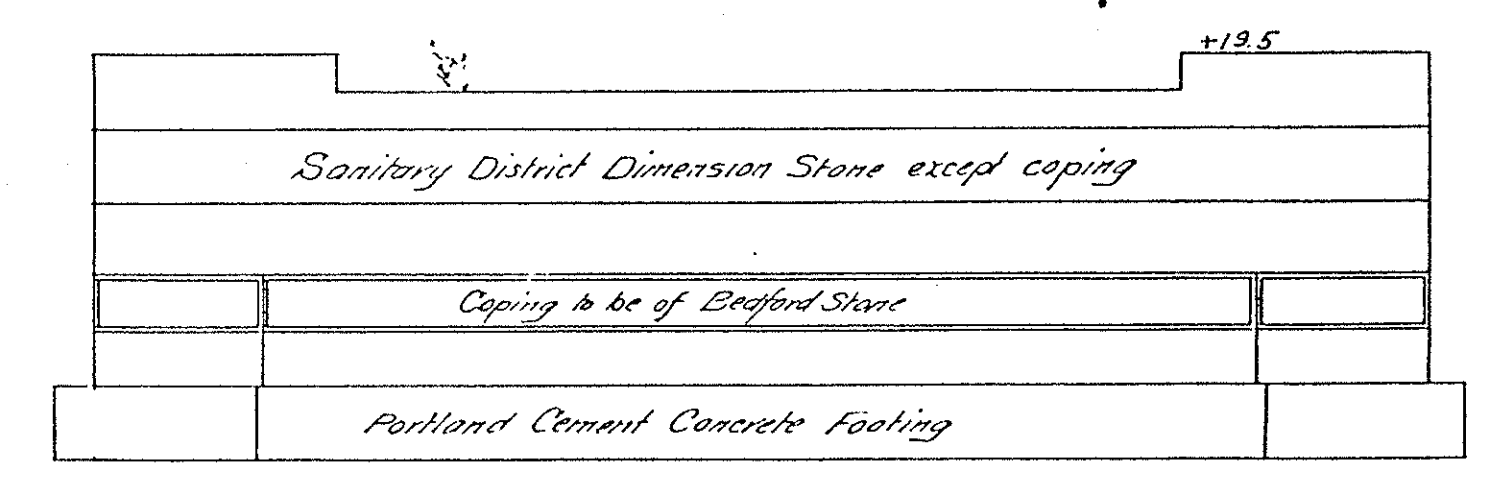
Sanitary District Dimension Stone except coping



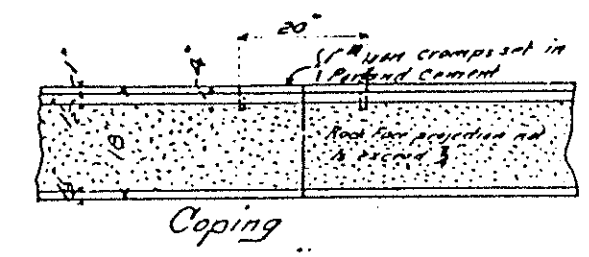
Half plan of top of center pier Half plan of course under coping



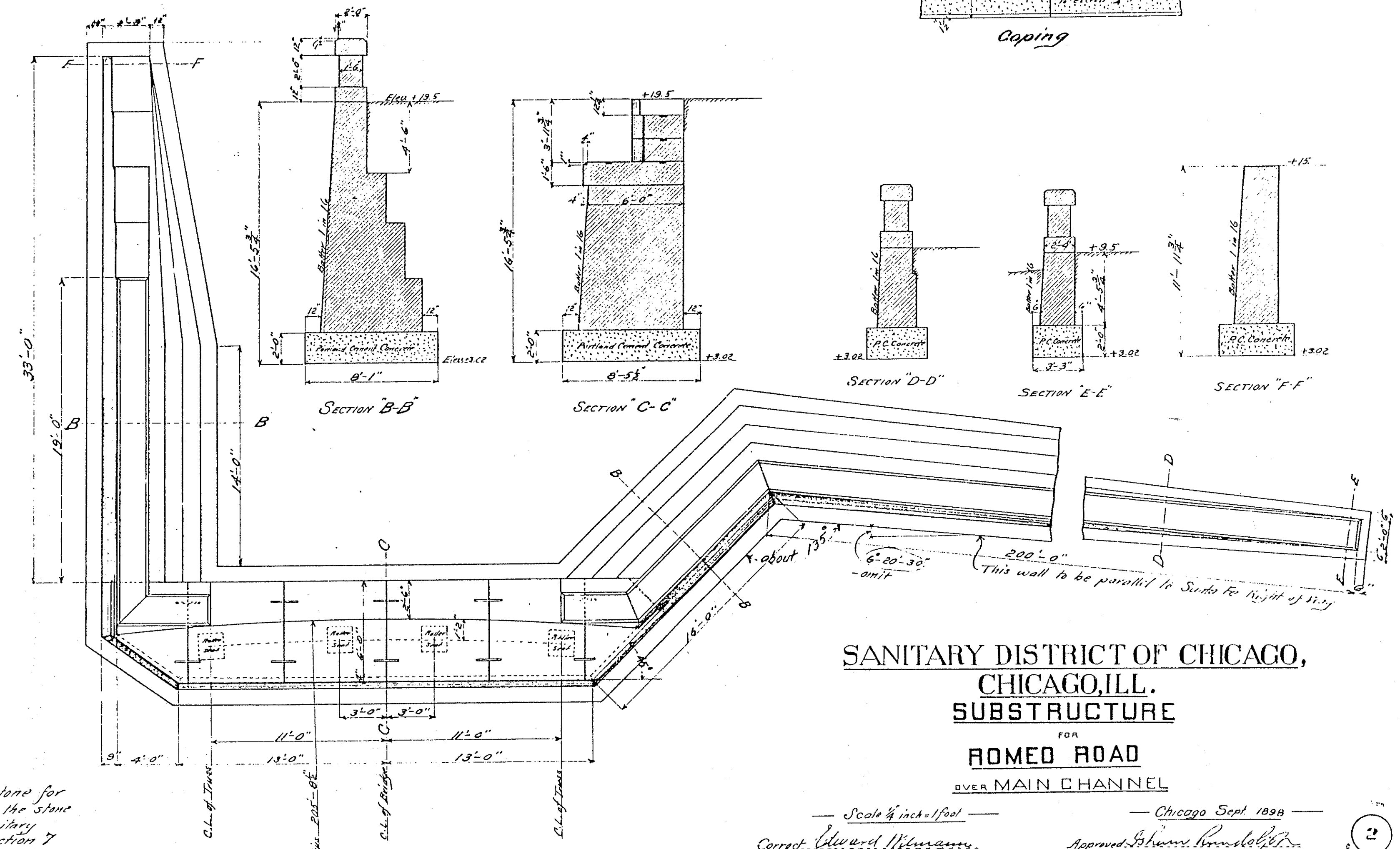
SECTION OF COPING OF CENTER PIER



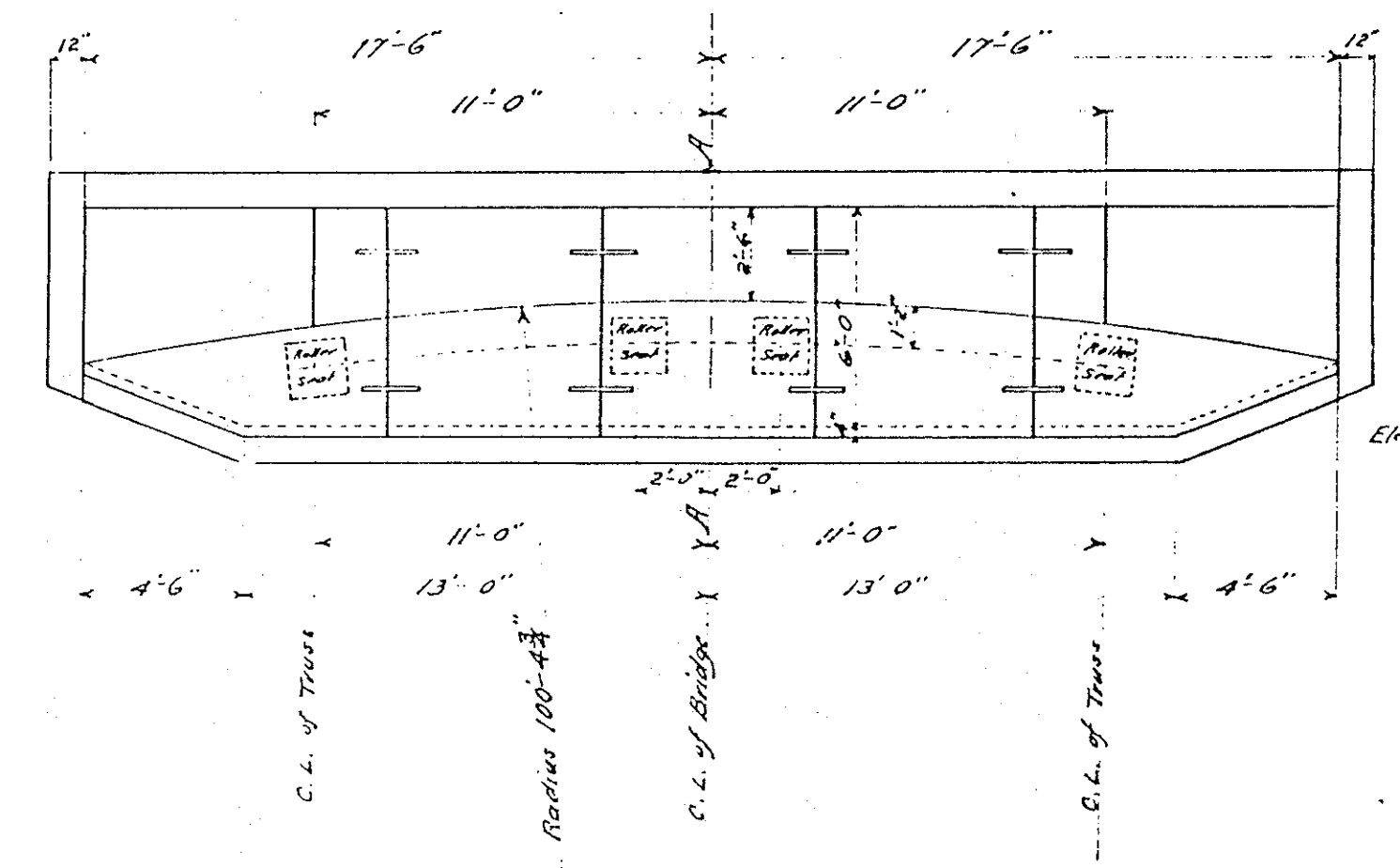
WEST ABUTMENT



Coping



EAST ABUTMENT



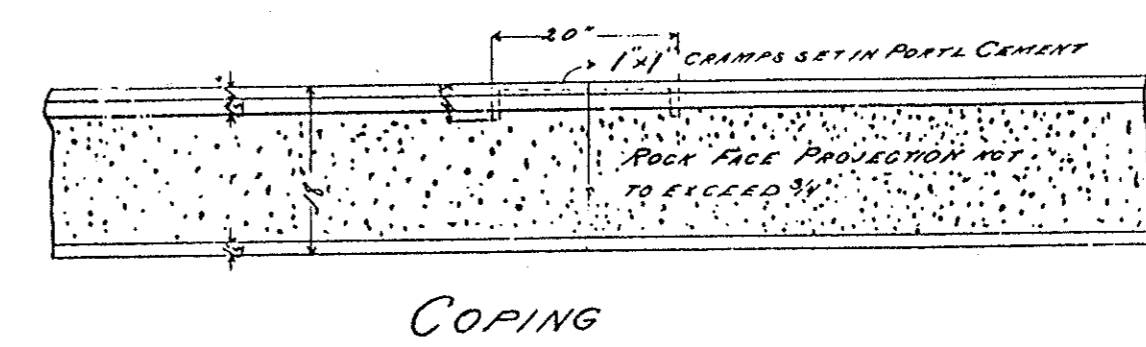
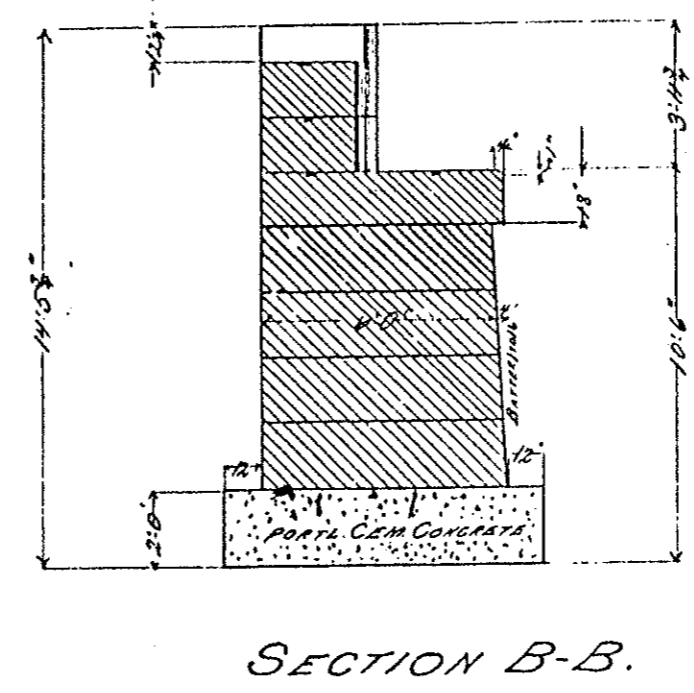
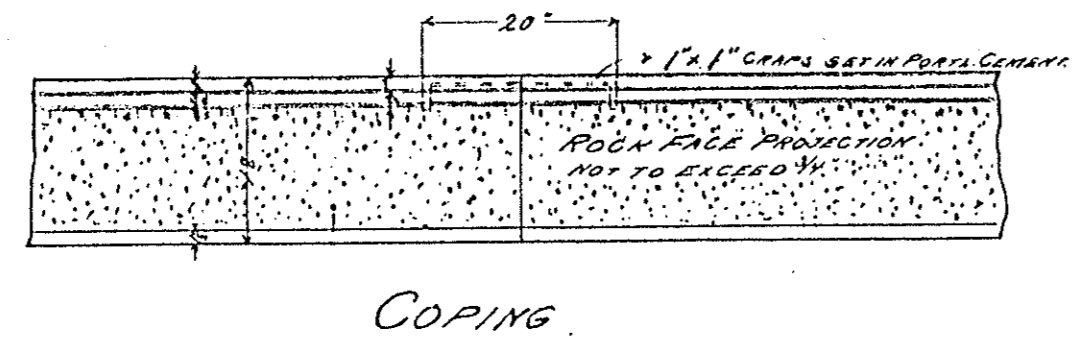
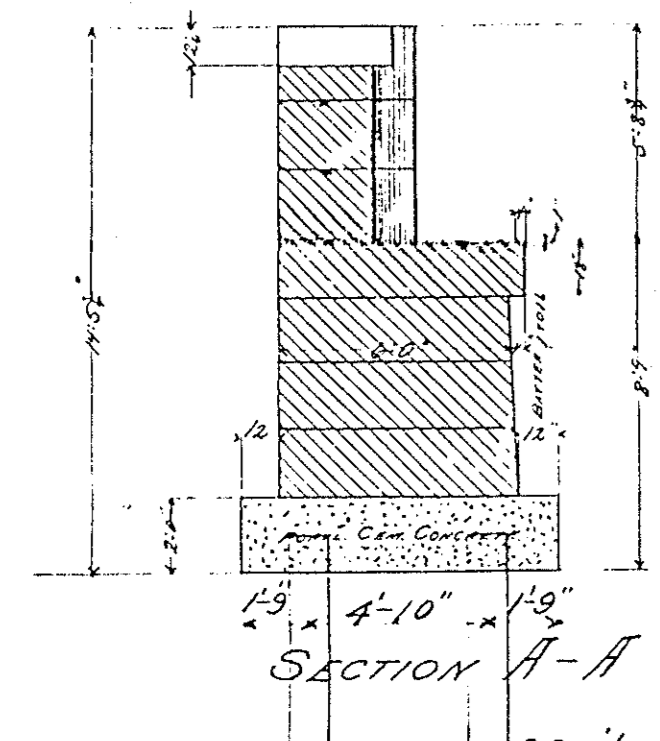
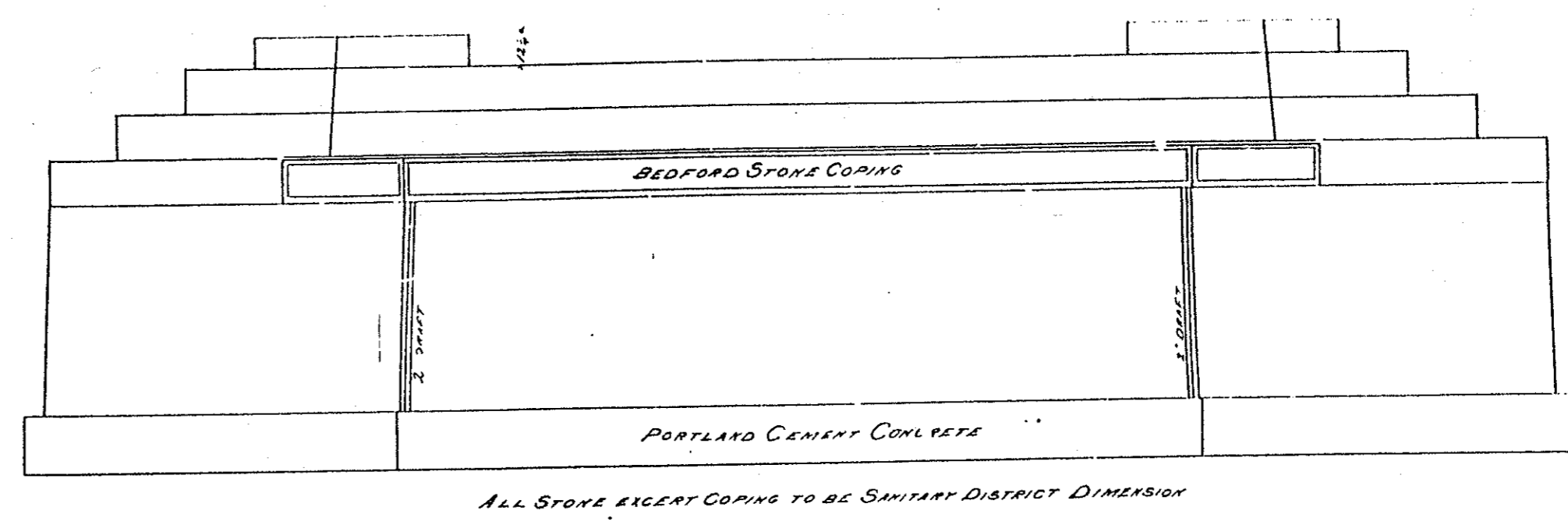
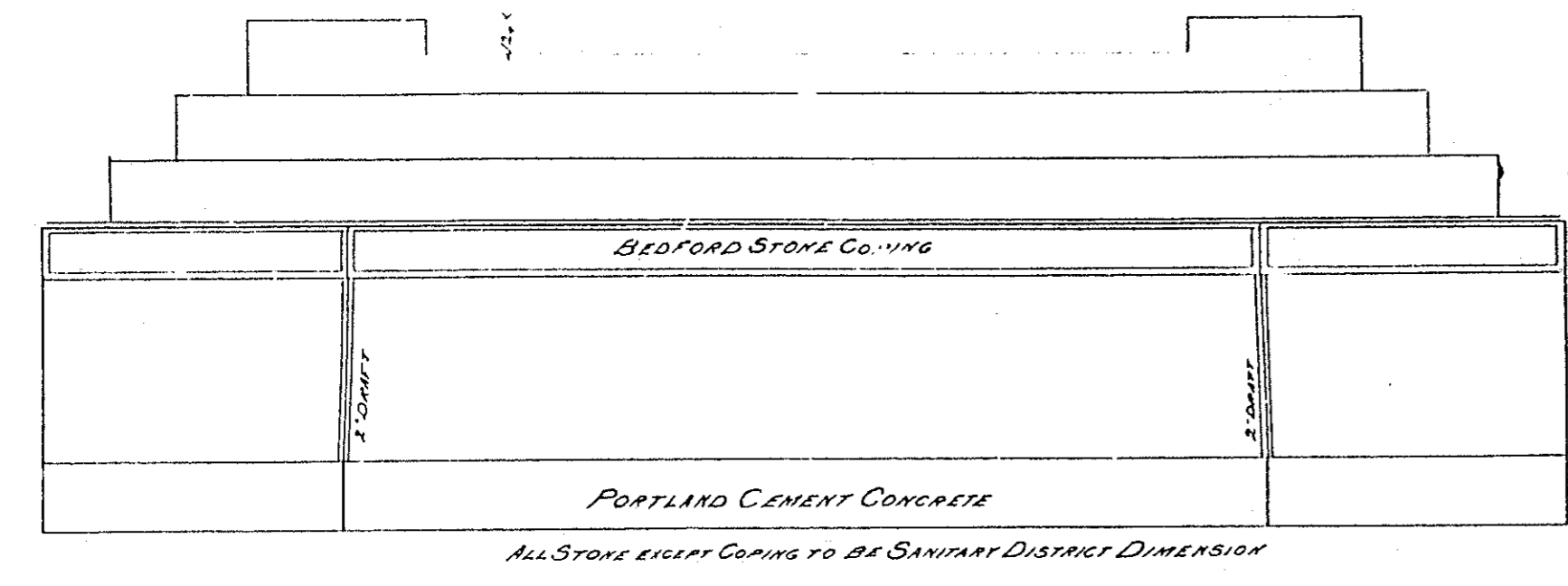
All Sanitary District Dimension stone for Romeo bridge to be taken from the stone yard upon the property of the Sanitary District near the east end of section 7

Note Changes in red to conform with the new location of bridge. Dec. 31, 1899

SANITARY DISTRICT OF CHICAGO,
CHICAGO, ILL.
SUBSTRUCTURE
FOR
ROMEO ROAD
OVER MAIN CHANNEL

Scale 1/4" = 1' - 0"
Chicago Sept. 1899
Corrected by Edward M. ...
Approved by ...

DUPLICATE INFORMATION AT THE TIME OF EDITING, THIS MATERIAL MAY NOT CONFORM TO HABS OR HAER STANDARDS.



Approx. Quantities for North Abutment at Willow Springs

Excavation (Earth)	70 cu. yds.
Sheet Piling	1000 ft. B.M.
Portland Cement Concrete	27 cu. yds.
Masonry Bedford Stone	15 "
Masonry S.D.D. Stone	71 "

Approx. Quantities for North Abutment at Lemont

Excavation (Rock)	27 cu. yds.
Portland Cement Concrete	27 "
Masonry Bedford Stone	15 "
Masonry S.D.D. Stone	71 "

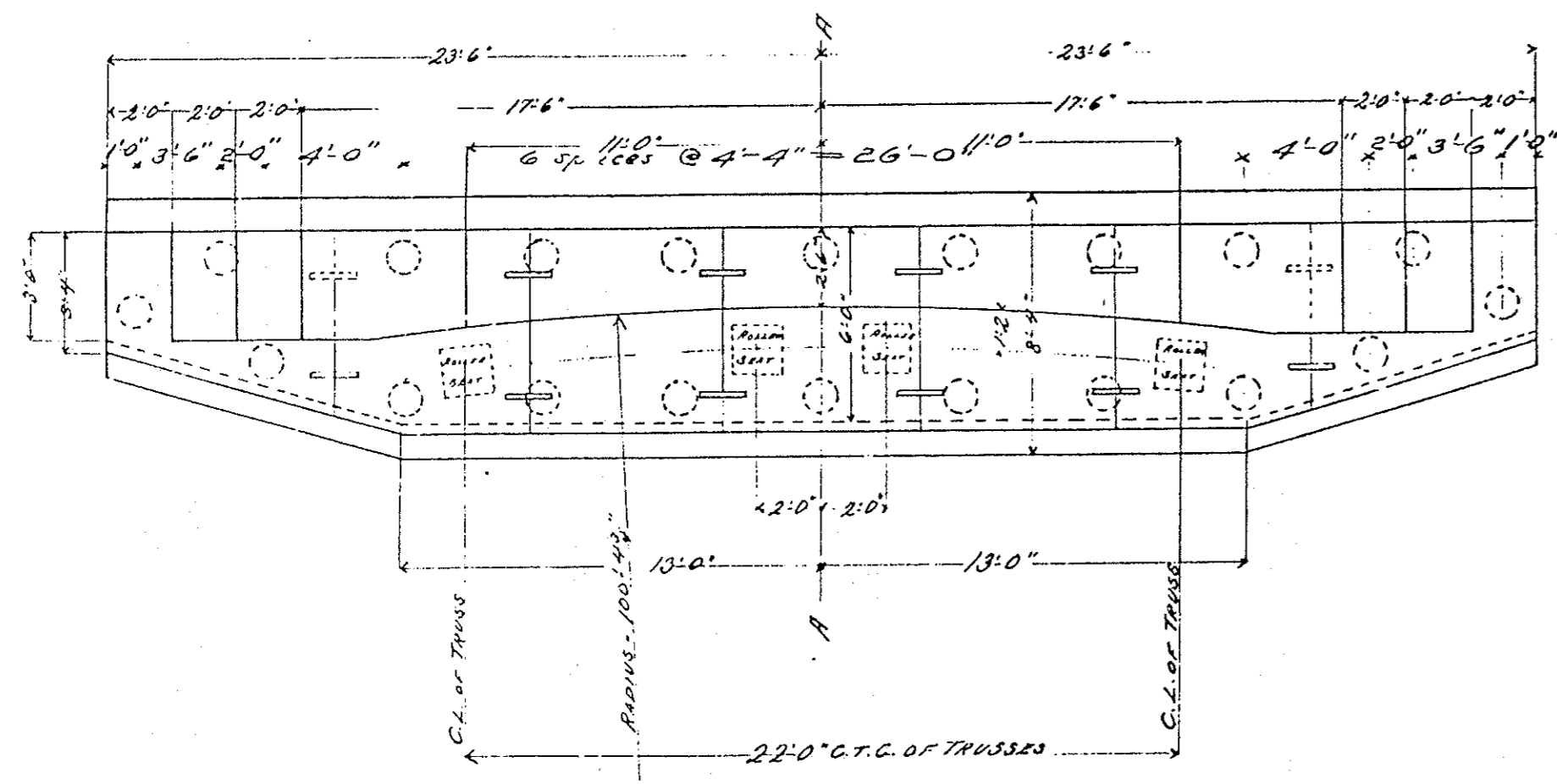
Approx. Quantities for South Abutment at Lemont

Excavation (Rock)	29 cu. yds.
Portland Cement Concrete	29 "
Masonry Bedford Stone	11 "
Masonry S.D.D. Stone	92 "

Piles added Nov. 9th '98 by order of the Chief Engineer

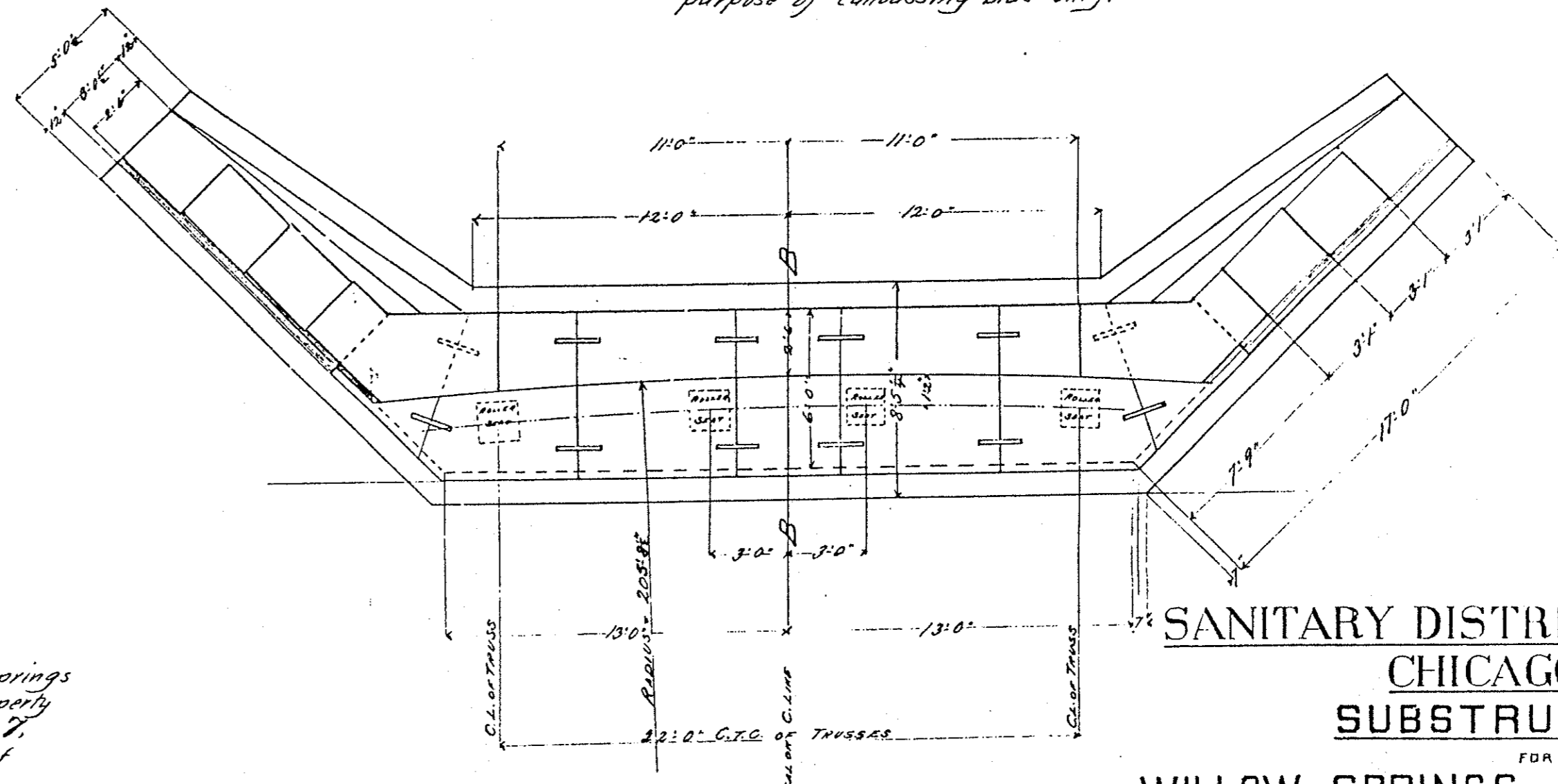
Note-These quantities are approximate and for purpose of canvassing bids only

Note-These quantities are approximate and for purpose of canvassing bids only



NORTH ABUTMENTS FOR WILLOW SPRINGS AND LEMONT BRIDGES

All Sanitary District Dimension Stone for Willow Springs bridge to be taken from the stone piled upon the property of the Sanitary District near the east end of Section 7, and for the Lemont bridge from the north side of Section 8 about 2000 feet east of the bridge site



SOUTH ABUTMENT FOR LEMONT BRIDGE - Scale 1/4 inch = 1 foot - Chicago July 1898

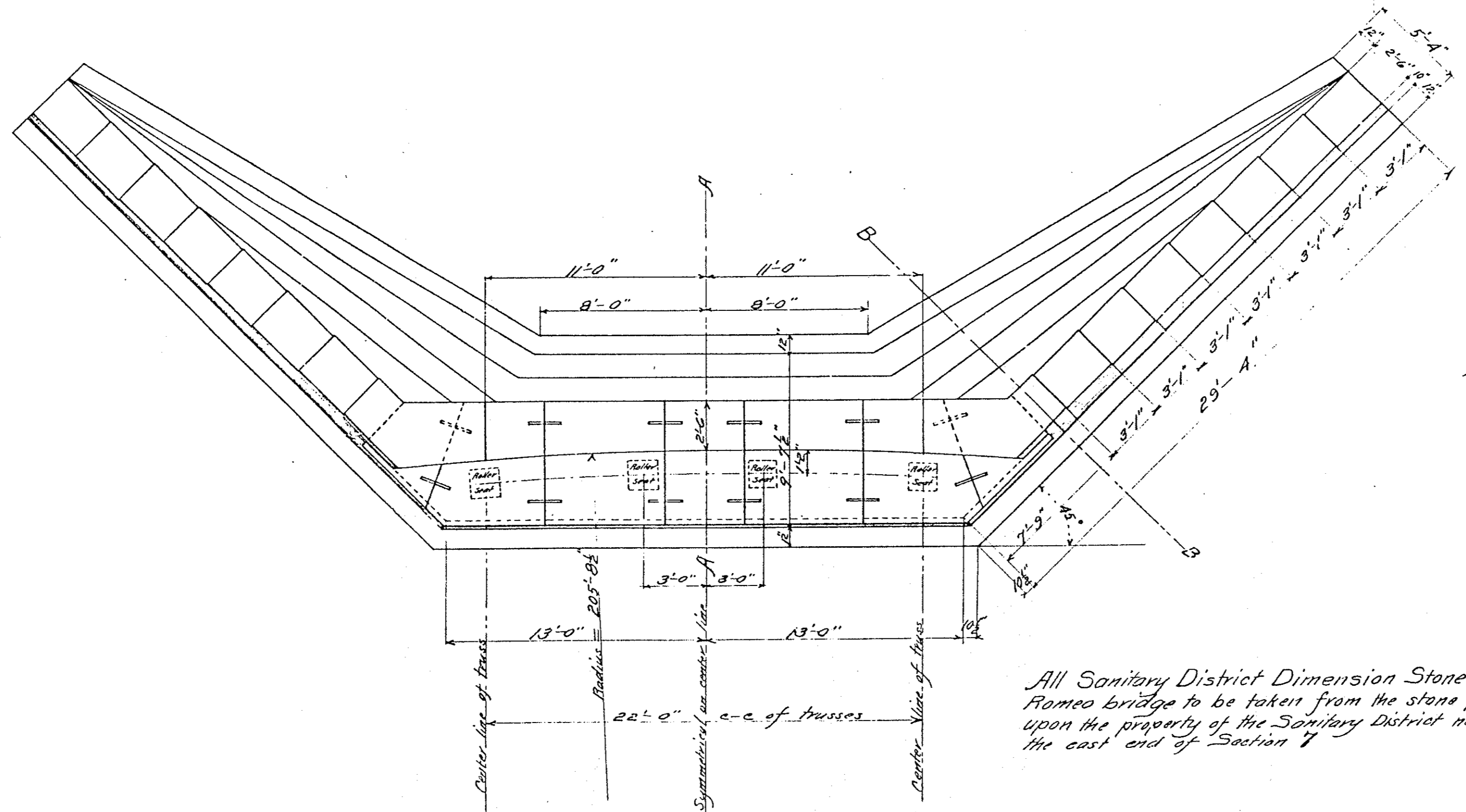
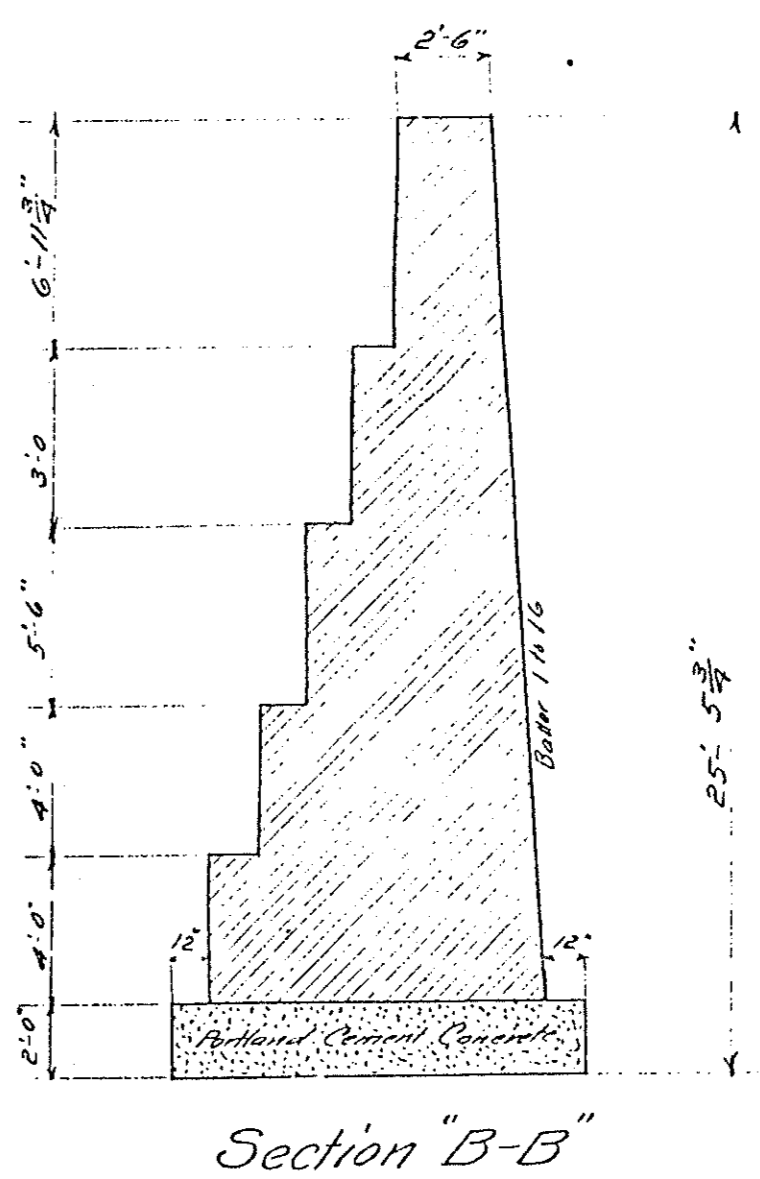
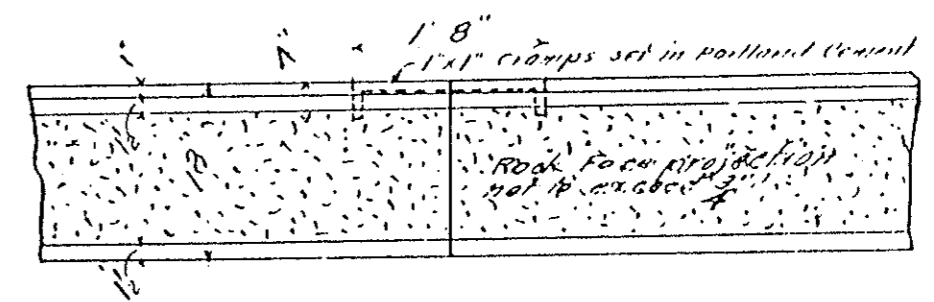
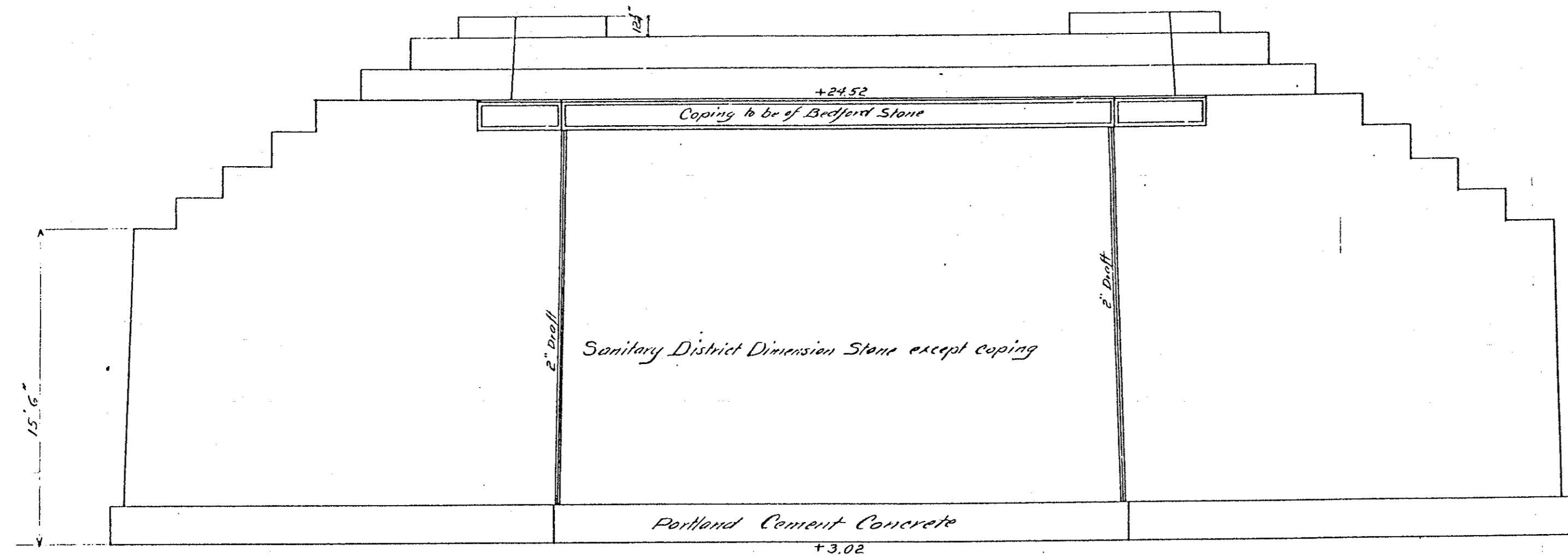
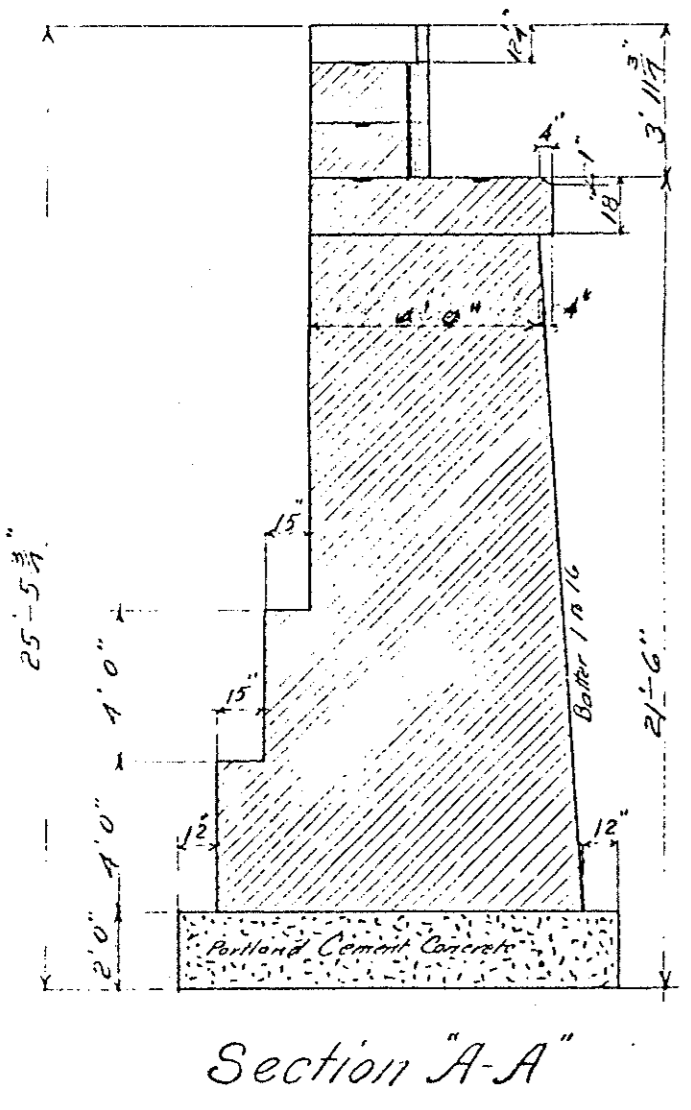
SANITARY DISTRICT OF CHICAGO.
CHICAGO, ILL.
SUBSTRUCTURE
FOR
WILLOW SPRINGS AND LEMONT ROADS
OVER MAIN CHANNEL

Correct: Edward Peterson
Asst. Bridge Engineer

Approved: [Signature]
Chief Engineer

5
2
13

DUE TO INSUFFICIENT INFORMATION AT THE TIME OF EDITING, THIS MATERIAL MAY NOT CONFORM TO HABS OR HAER STANDARDS.



EAST ABUTMENT AT ROMEO

Approximate quantities for East Abutment of Romeo
 Excavation (Rock) 55 cu. yds.
 Portland Cement Concrete 55 "
 Masonry Bedford Stone 11 "
 San'y Dist Dimension Stone 220 "

Note - These quantities are approximate and for purpose of canvassing bids only.

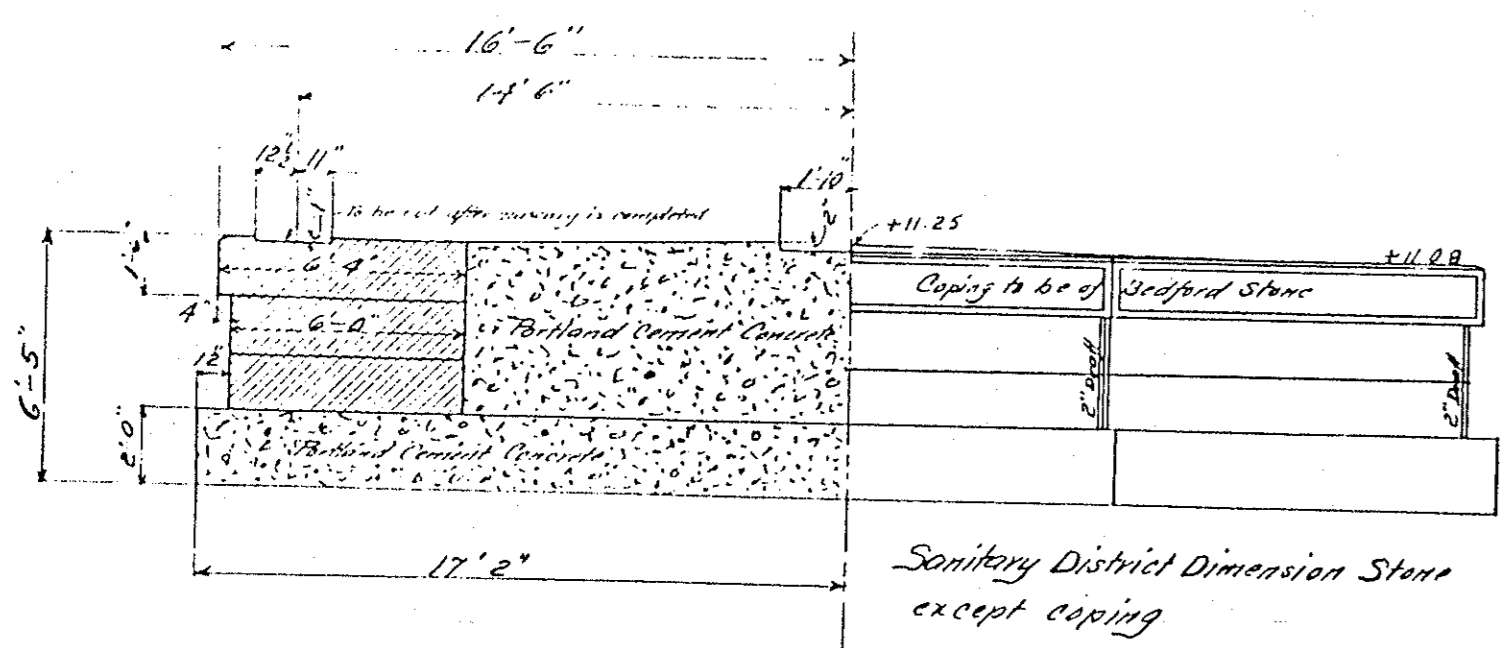
All Sanitary District Dimension Stone for Romeo bridge to be taken from the stone piled upon the property of the Sanitary District near the east end of Section 7

SANITARY DISTRICT OF CHICAGO,
 CHICAGO, ILL.
 SUBSTRUCTURE
 FOR
 ROMEO ROAD
 OVER MAIN CHANNEL

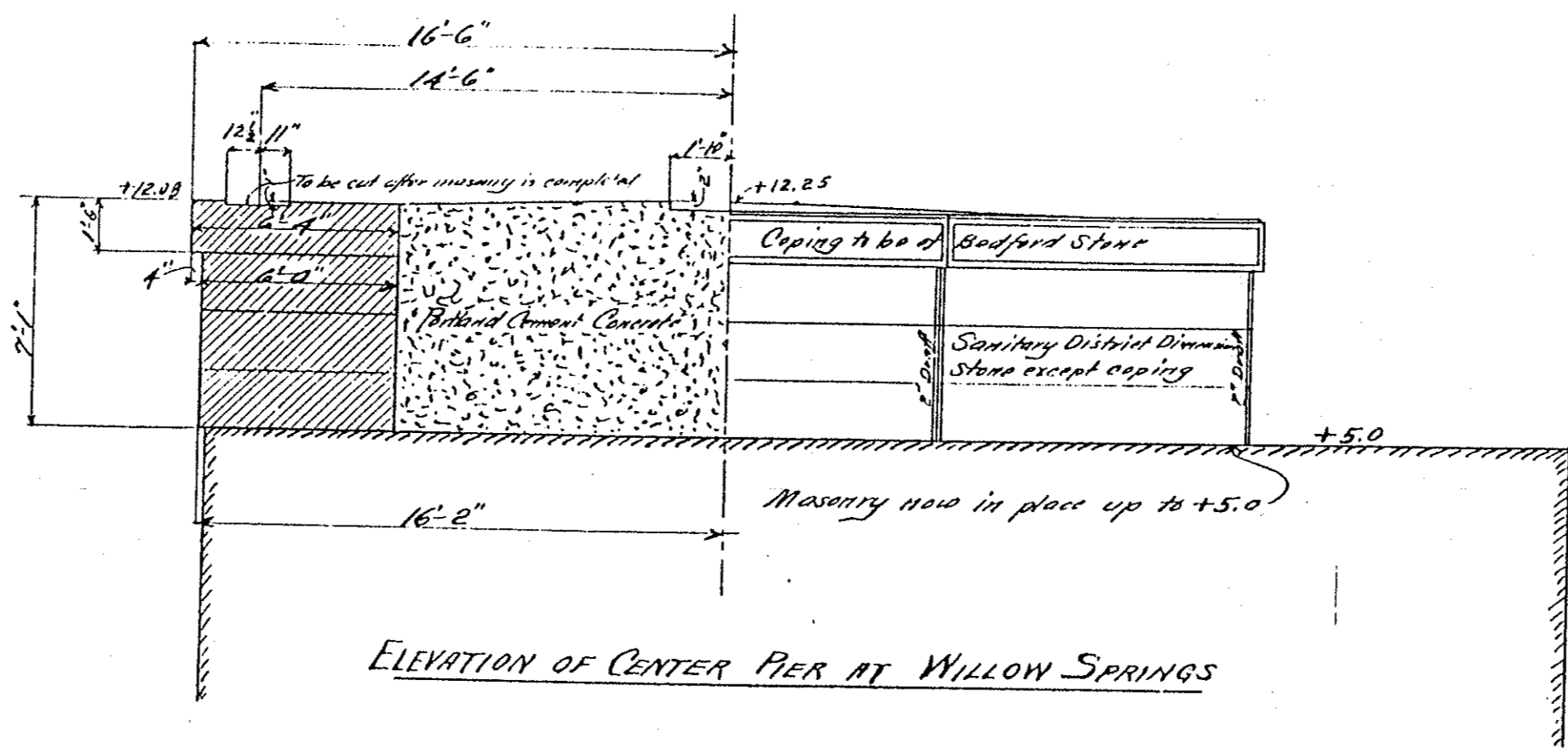
Scale 1/4 inch = 1 foot
 Chicago July 1898
 Corrected by Edward Williamson
 Chief Engineer

4 of 5

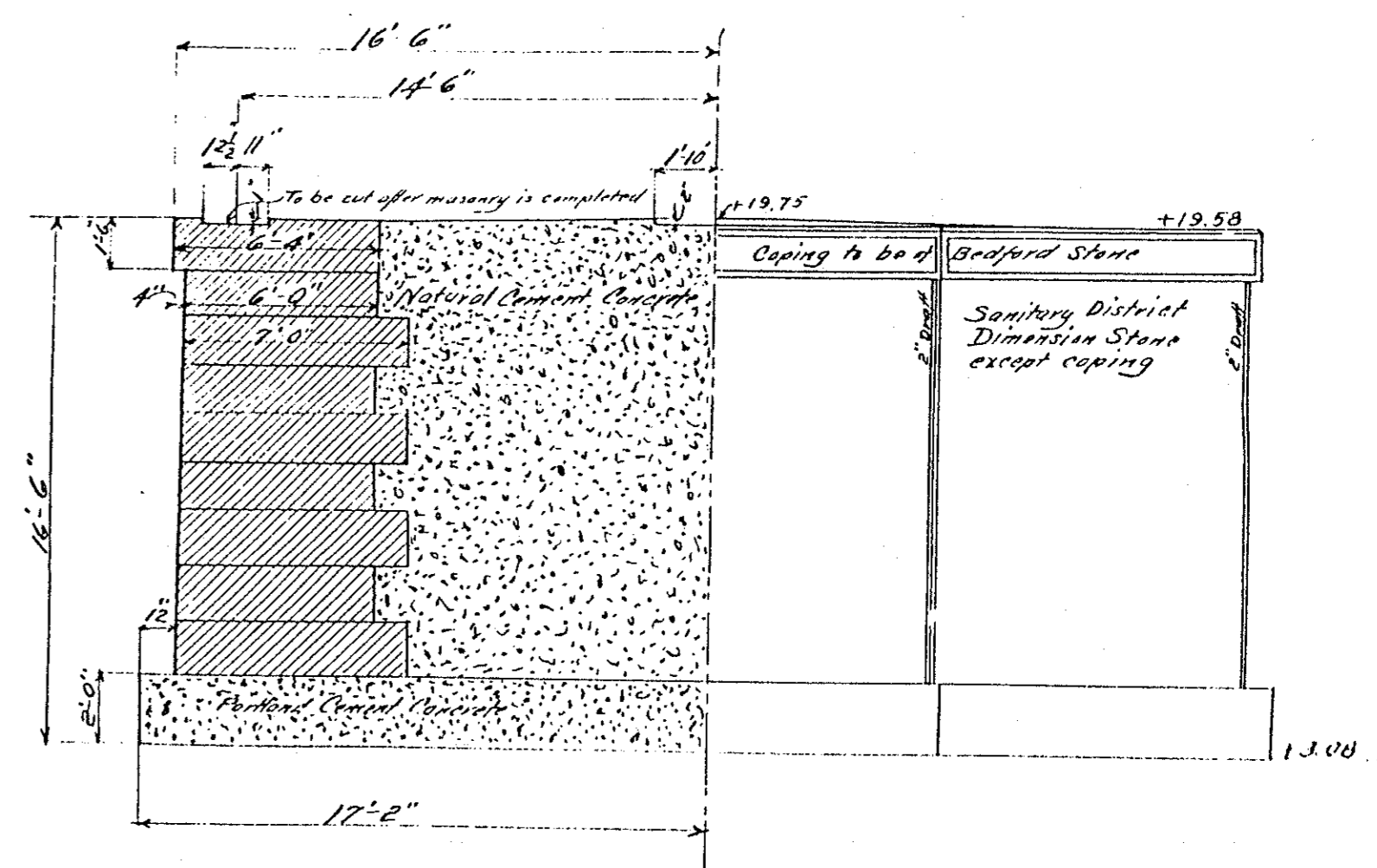
DUE TO INSUFFICIENT INFORMATION AT THE TIME OF EDITING, THIS MATERIAL MAY NOT CONFORM TO HABS OR HAER STANDARDS.



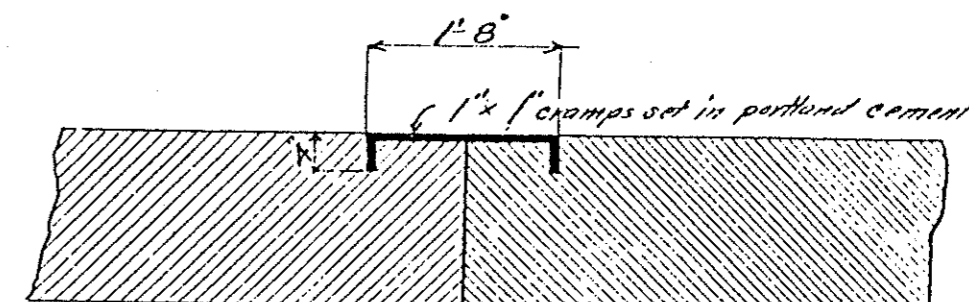
ELEVATION OF CENTER PIER AT LEMONT



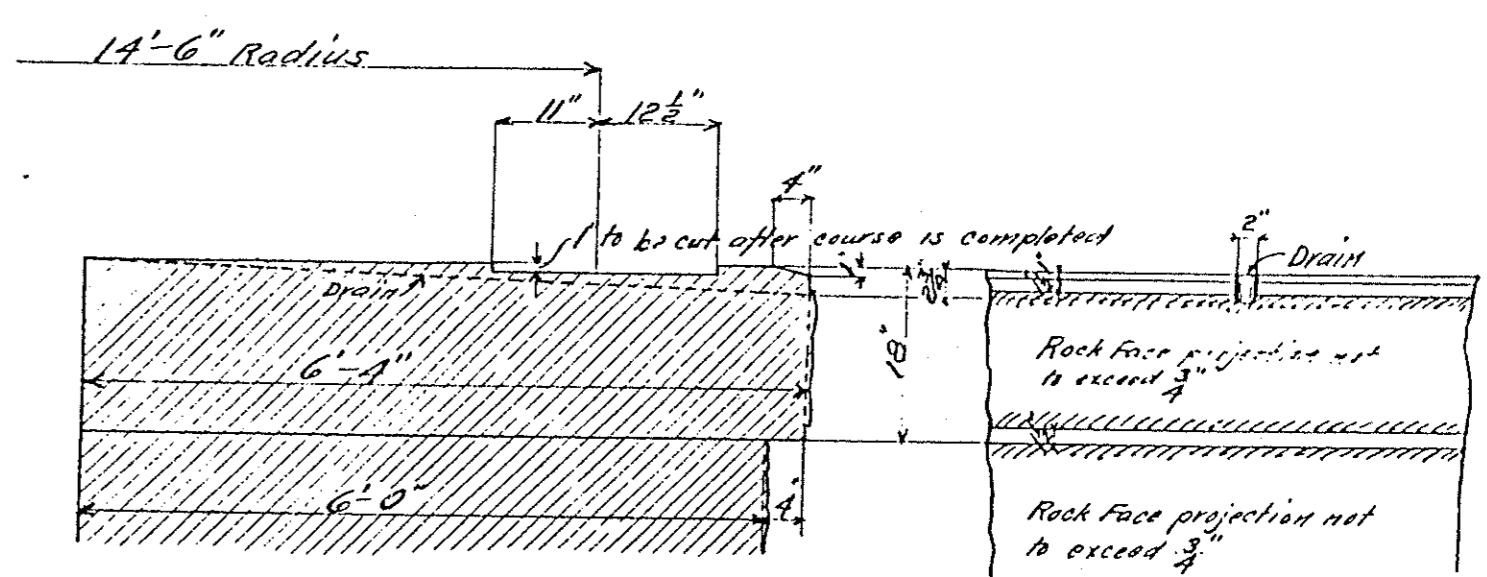
ELEVATION OF CENTER PIER AT WILLOW SPRINGS



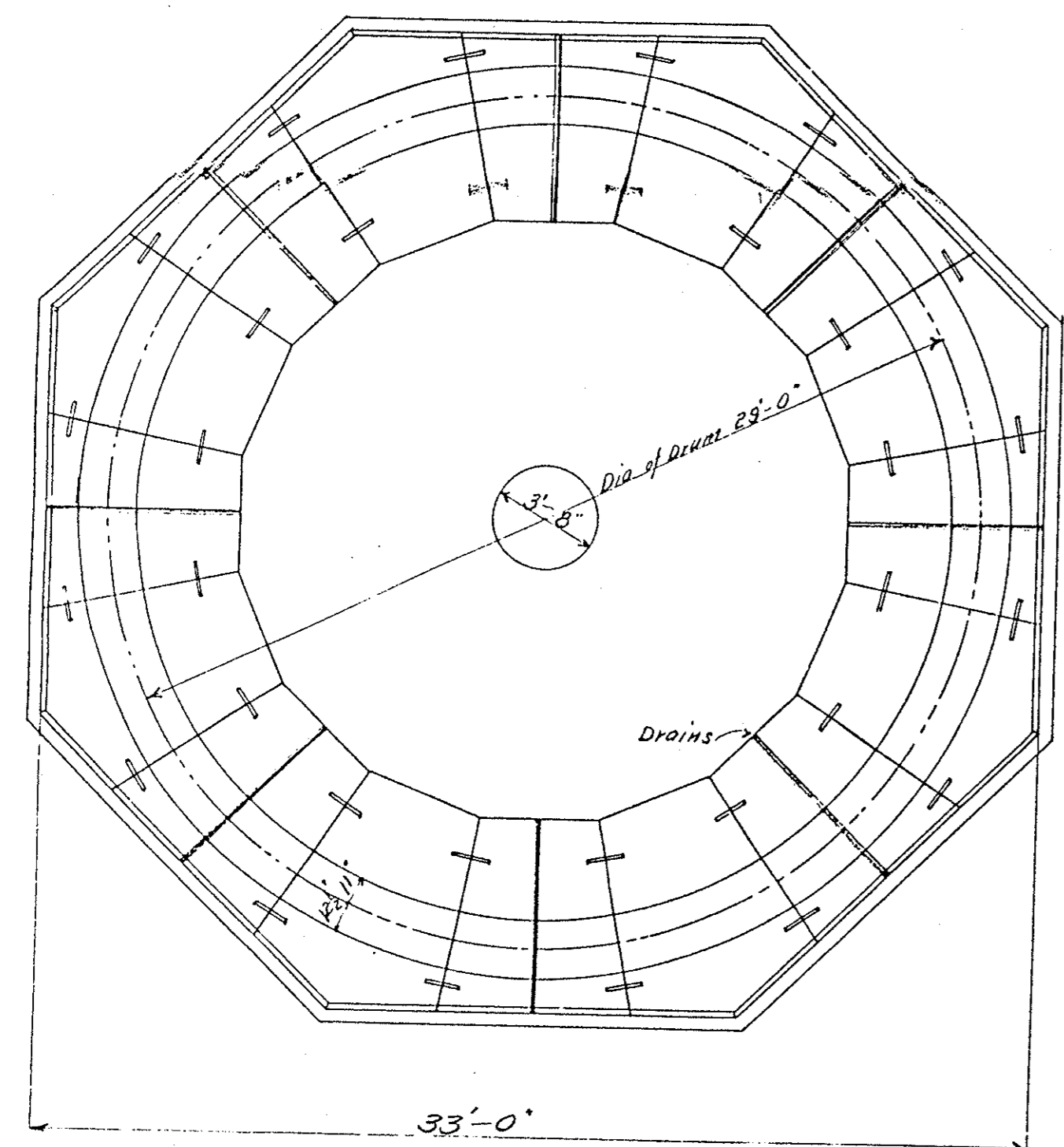
ELEVATION OF CENTER PIER AT ROMEO



Section showing detail of cramps

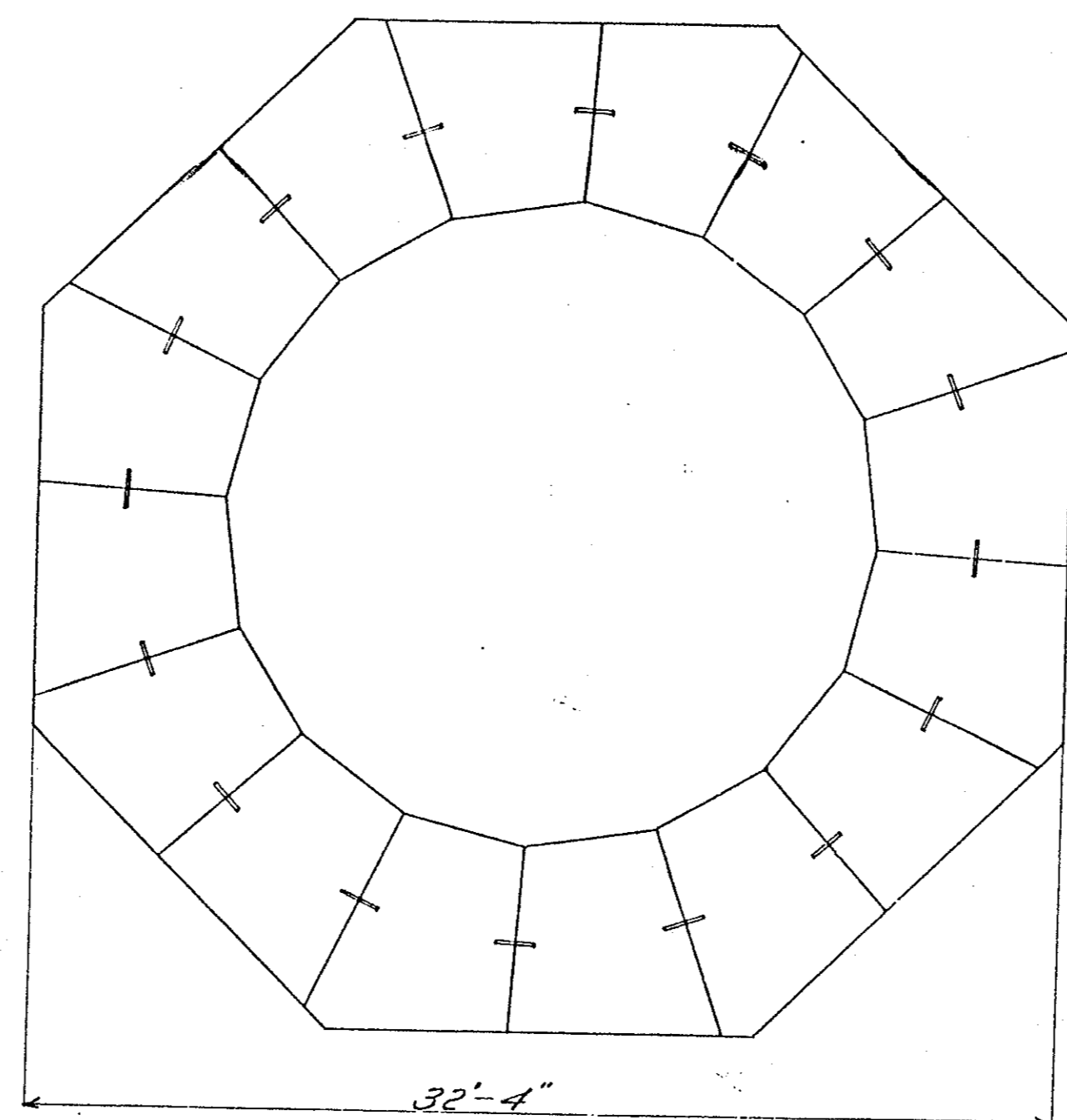


Section of Coping



PLAN OF CENTER PIER

Same plan for the three bridges (Willow Springs, Lemont & Romeo)



Course under coping

Approximate Quantities for Center Pier at Lemont

Excavation (Rock)	71 cu. yds.
Portland Cement Concrete	123 "
Masonry Bedford Stone	32 "
S.D.D. Stone	60 "

Note - These quantities are approximate and for purpose of canvassing bids only

Approx. Quantities for Center Pier at Willow Springs

Portland Cement Concrete	83 cu. yds.
Masonry Bedford Stone	32 "
S.D.D. Stone	115 "

Note - These quantities are approximate and for purpose of canvassing bids only

Approx. Quantities for Center Pier at Romeo

Excavation (Rock)	71 cu. yds.
Natural Cement Concrete	155 "
Portland "	71 "
Masonry Bedford Stone	32 "
S.D.D. Stone	281 "

Note - These quantities are approximate and for purpose of canvassing bids only

All Sanitary District Dimension stone for Willow Springs and Romeo bridges to be taken from the stone piled upon the property of the Sanitary District near the east end of Section 1, and for the Lemont bridge - from the north side of Section 8 about 2000 feet east of the bridge site

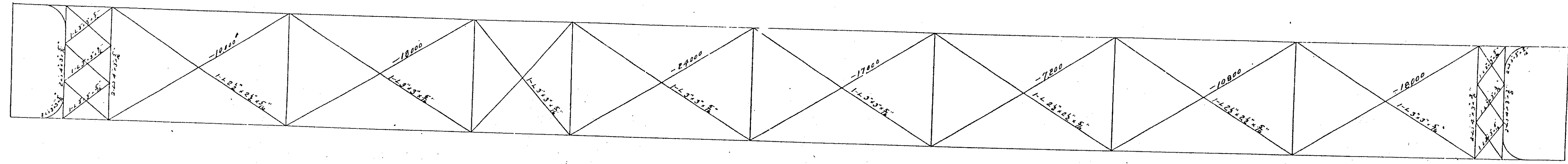
SANITARY DISTRICT OF CHICAGO.
CHICAGO, ILL.
SUBSTRUCTURE
FOR
WILLOW SPRINGS, LEMONT AND
ROMEO ROADS
OVER MAIN CHANNEL

Scale 1/2 inch = 1 foot - Chicago July 1898 -

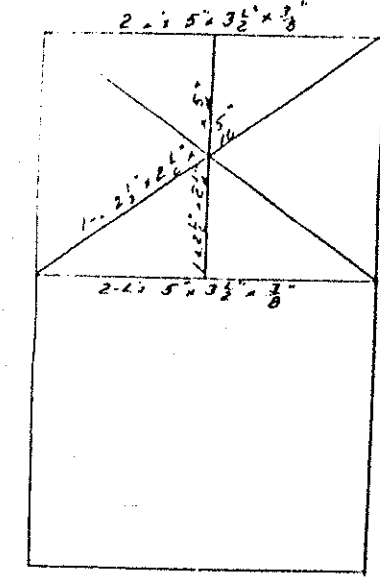
Correct *Edmund M. ...*
Asst. Bridge Engineer

Approved *Wm. ...*
Chief Engineer

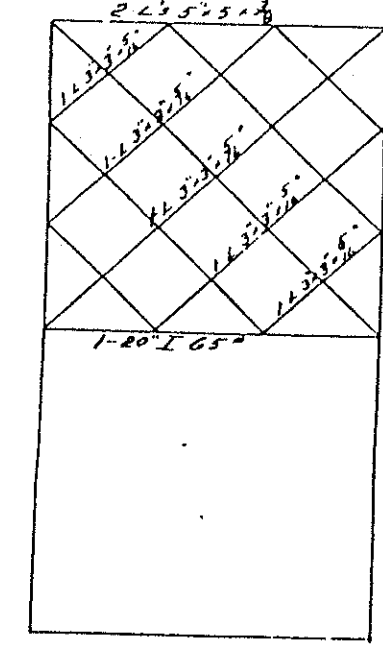
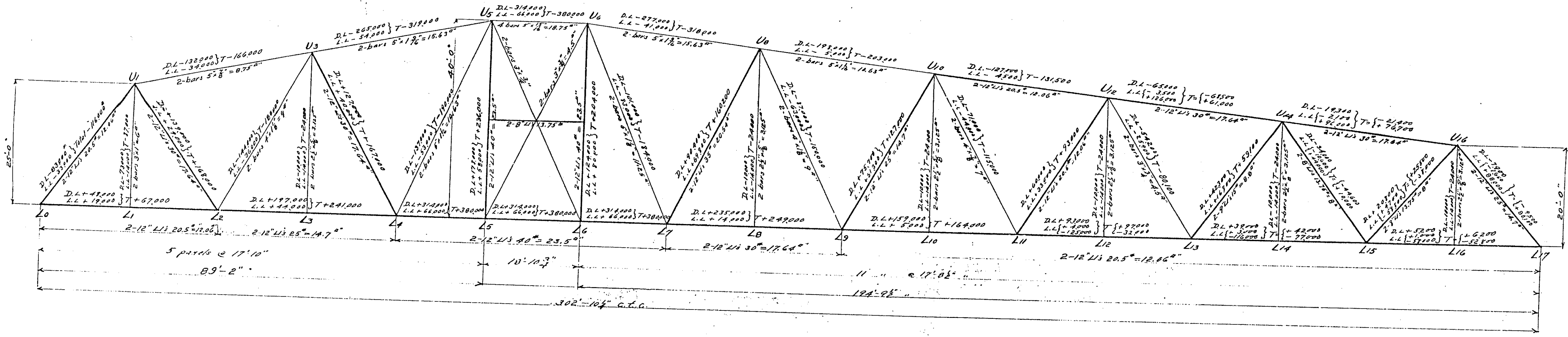
5
5
DUE TO INSUFFICIENT INFORMATION AT THE TIME OF EDITING, THIS MATERIAL MAY NOT CONFORM TO HABS OR HAER STANDARDS.



Top Laterals

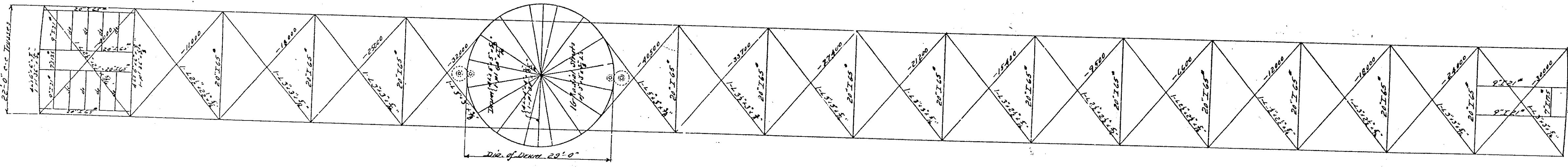


Sway Bracing
at panel points U₃, U₆
U₉, U₁₂ and U₁₅.



Cross Bracing
of U₅ and U₆

—Loading—
Short Arm
Live Load 80^o per sq. ft.
Dead " assumed at 1400^o per lin. ft. of bridge
Long Arm
Live Load 1500^o per lin. ft. of bridge
Dead " assumed at 1350^o per lin. ft. of bridge



Floor system and Bottom Laterals

SANITARY DISTRICT OF CHICAGO,
CHICAGO, ILL.
SUPERSTRUCTURE
FOR
WILLOW SPRINGS, LEMONT AND
ROMEO ROADS
OVER MAIN CHANNEL

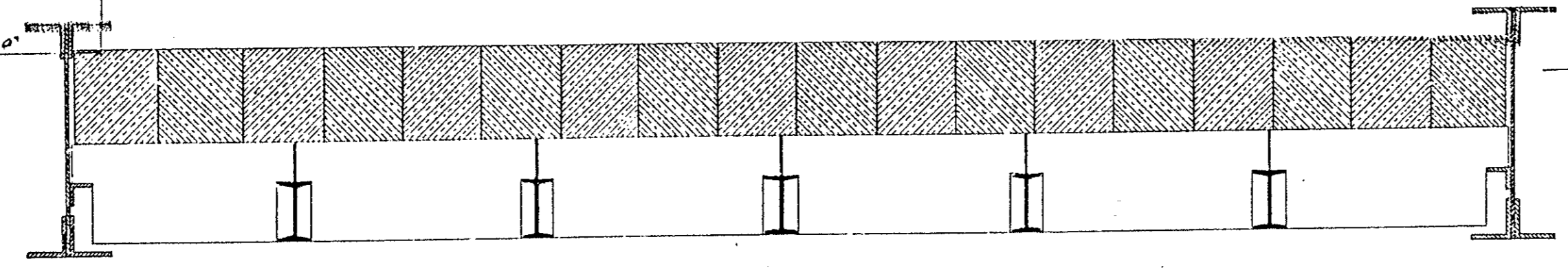
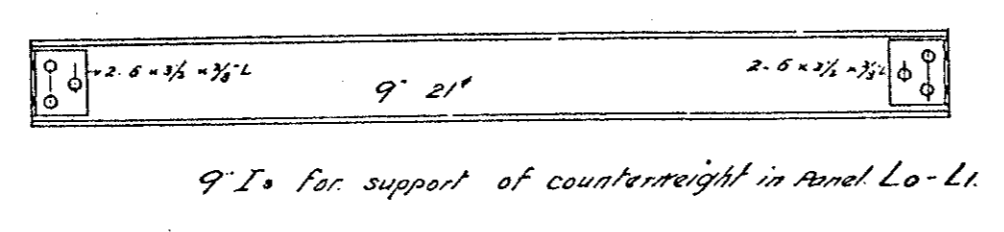
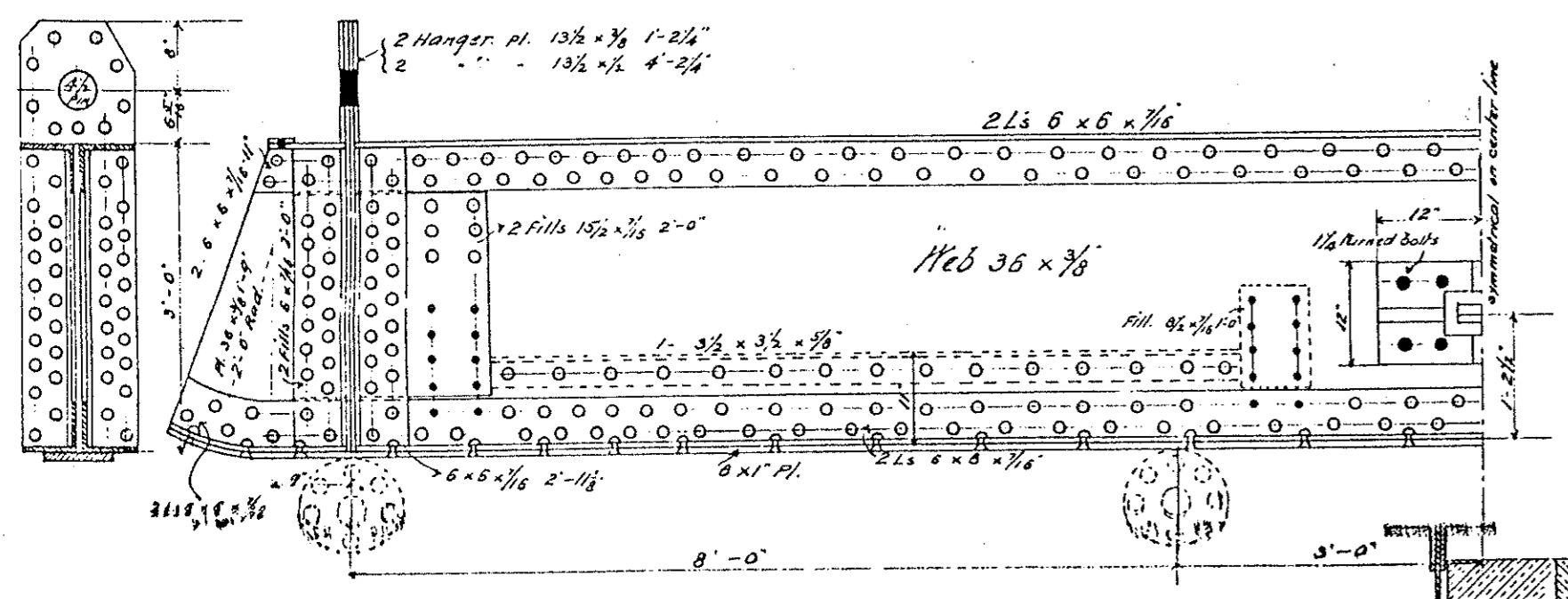
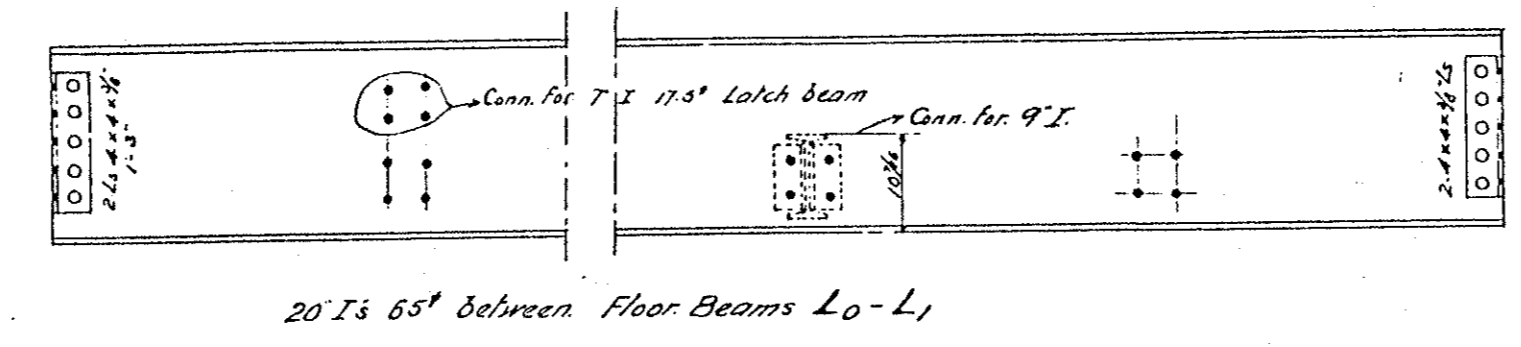
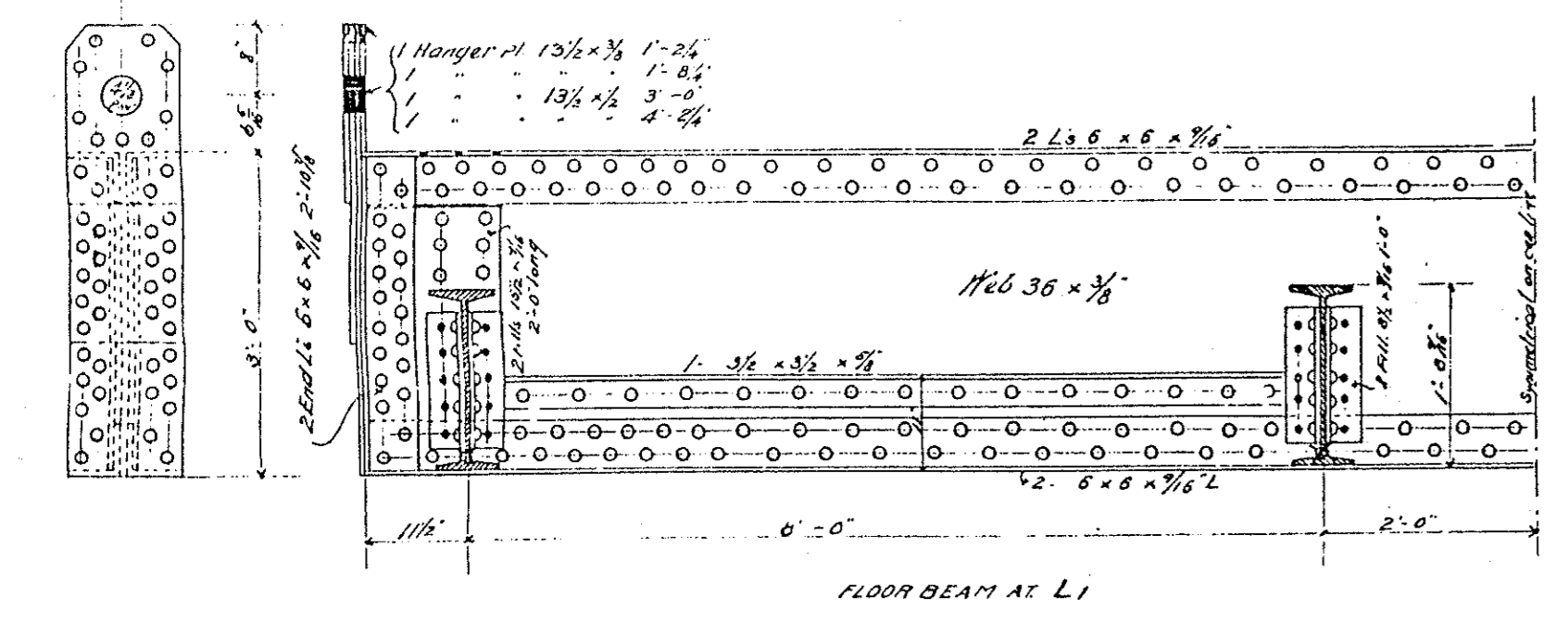
Scale 10' = 1" — Chicago July 1938 —
Corrected by *Edward W. Williams* Approved by *Harold S. ...*
Asst. Bridge Engineer — Chief Engineer

2 3

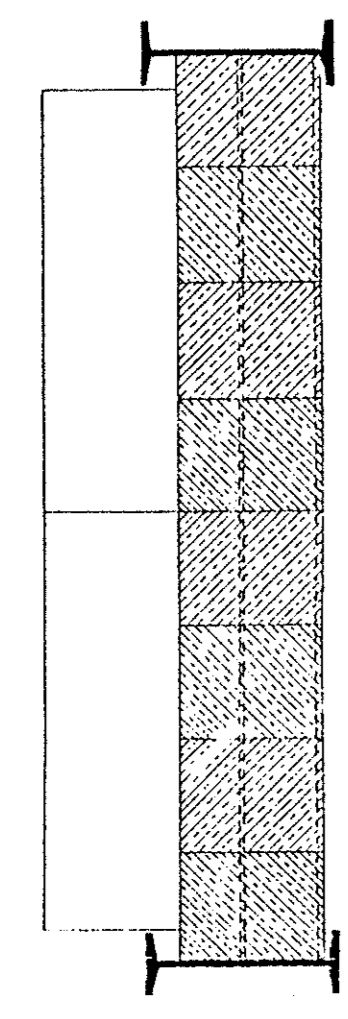
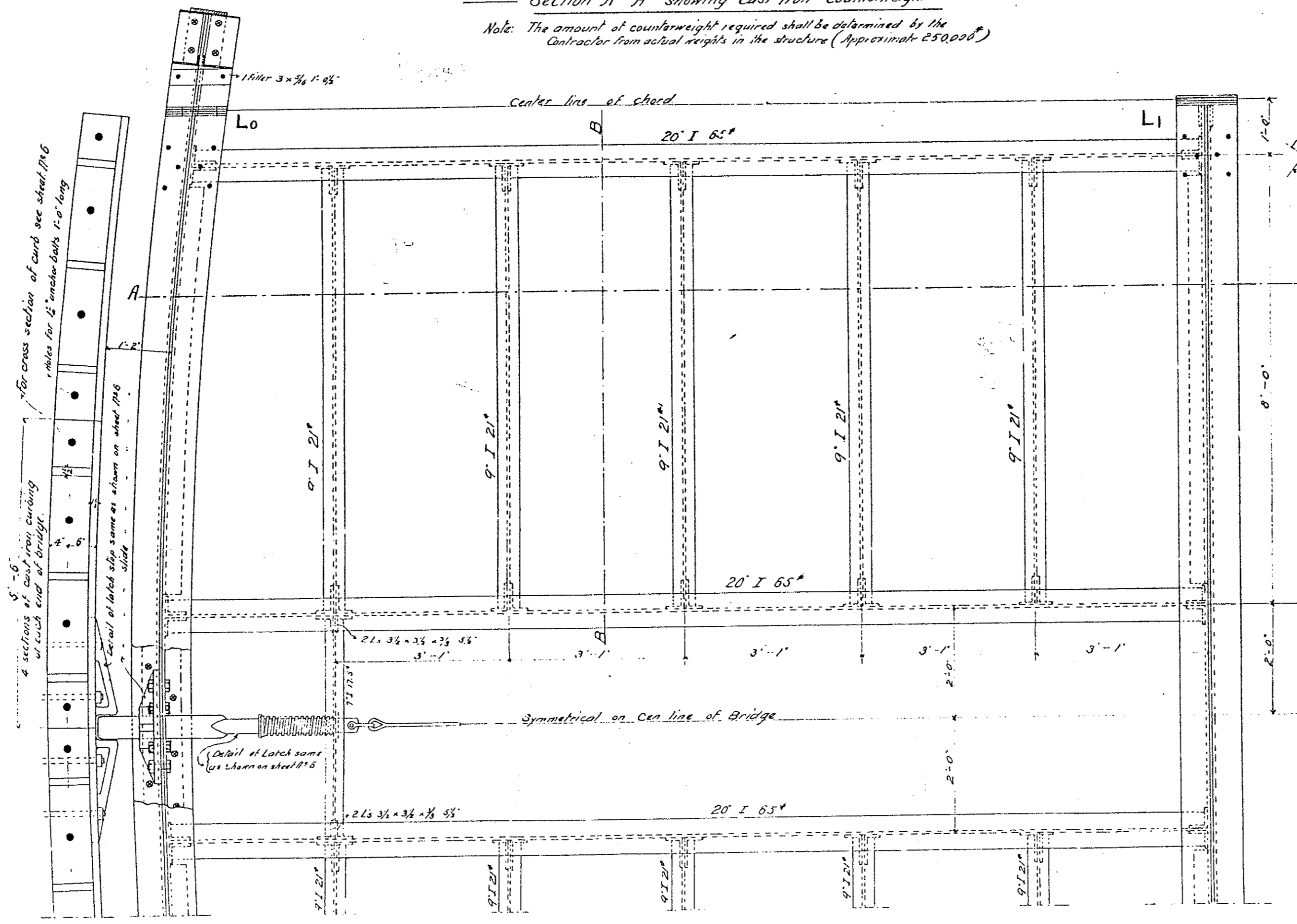
DUE TO INSUFFICIENT INFORMATION AT THE TIME OF EDITING, THIS MATERIAL MAY NOT CONFORM TO HABS OR HAER STANDARDS.

HISTORIC AMERICAN ENGINEERING RECORD NO. JL-41
SHEET 7 of 13
ROMEO ROAD, SANITARY AND SHIP CANAL BRIDGE
1.8 M CANAL NATIONAL HERITAGE CORRIDOR
ROMEO ROAD, ROMEOVILLE, WILL COUNTY, ILLINOIS
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

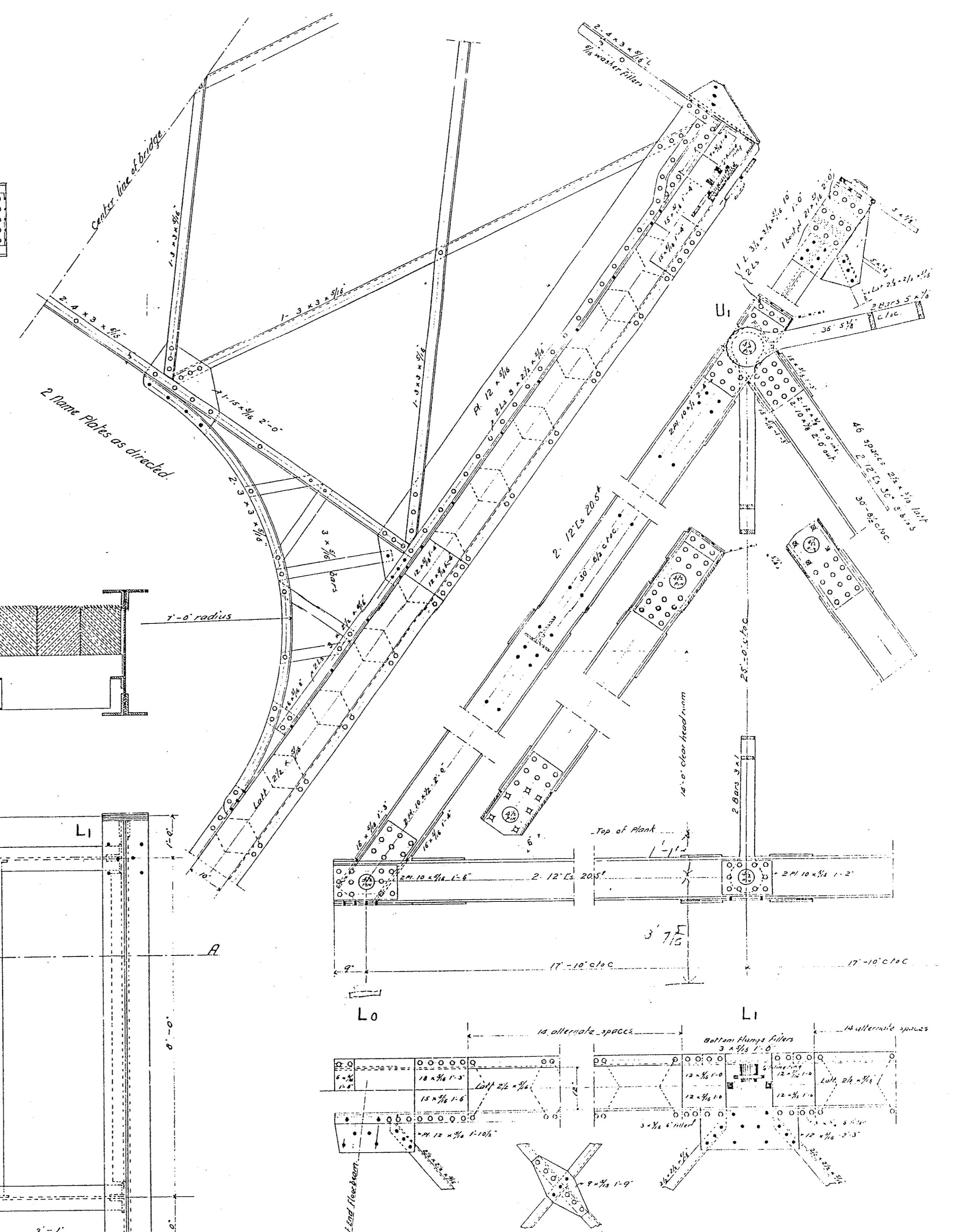
IF REPRODUCED, PLEASE CREDIT: HISTORIC AMERICAN ENGINEERING RECORD, NATIONAL PARK SERVICE, NAME OF DELINEATOR, DATE OF THE DRAWING
This drawing was reproduced from the original 1898 construction drawing.



Note: The amount of counterweight required shall be determined by the Contractor from actual weights in the structure (Approximate 250,000)



For cross sections of each see sheet 116
 unless for 12 inches wide beams 12'-0" long
 8 inches of iron covering
 of each end of bridge
 Detail of Larch same
 as shown on sheet 116



Eye bars and pins to be of medium steel
 All other material to be soft steel unless noted
 All rivets to be 3/8" dia.
 Access nuts on all pins 3" diam and over
 All lengths given are approximate and for
 purpose of estimating only.

SANITARY DISTRICT OF CHICAGO.
 CHICAGO, ILL.
 SUPERSTRUCTURE
 FOR
 WILLOW SPRINGS, LEMONT AND
 ROMEO ROADS
 OVER MAIN CHANNEL

Scale: $\frac{1}{4}$ " = 1'-0"
 details $\frac{1}{8}$ " = 1'-0"
 Corrected by Edward M. ...
 Chief Bridge Engineer

Chicago July 1909
 Approved by ...
 Chief Engineer

DUE TO INSUFFICIENT INFORMATION AT THE
 TIME OF EDITING, THIS MATERIAL MAY NOT
 CONFORM TO AASHTO OR AISC STANDARDS.

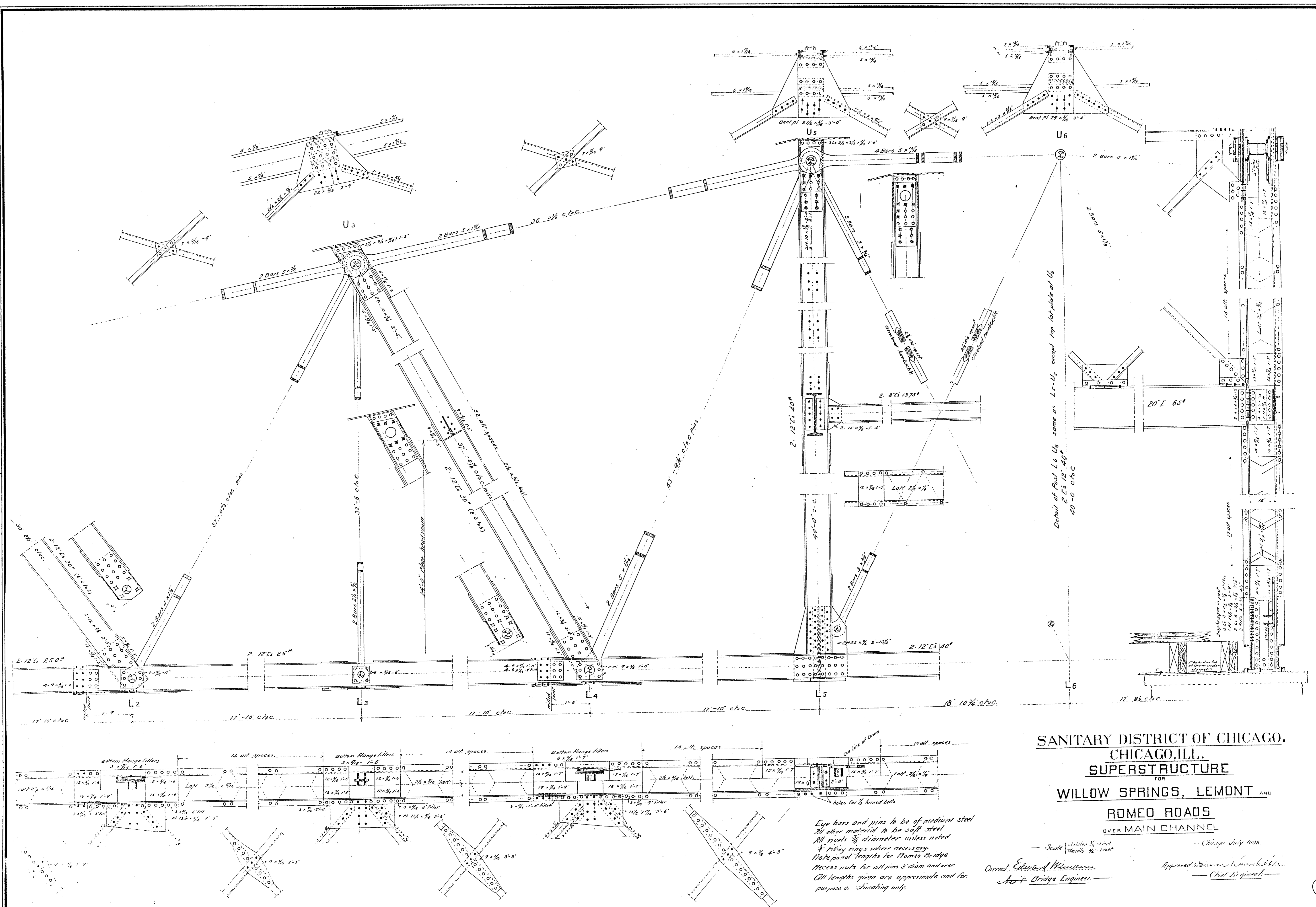
HISTORIC AMERICAN
 ENGINEERING RECORD
 NO. IL-1-41

SHEET
 8 OF 13

ROMEO ROAD, SANITARY AND SHIP CANAL BRIDGE
 I & M CANAL NATIONAL HERITAGE CORRIDOR
 ROMEO ROAD, ROMEOVILLE, WILL COUNTY, ILLINOIS

IF REPRODUCED, PLEASE CREDIT: HISTORIC AMERICAN ENGINEERING RECORD, NATIONAL PARK SERVICE, NAME OF DELINEATOR, DATE OF THE DRAWING
 This drawing was reproduced from the original 1898 construction drawing.

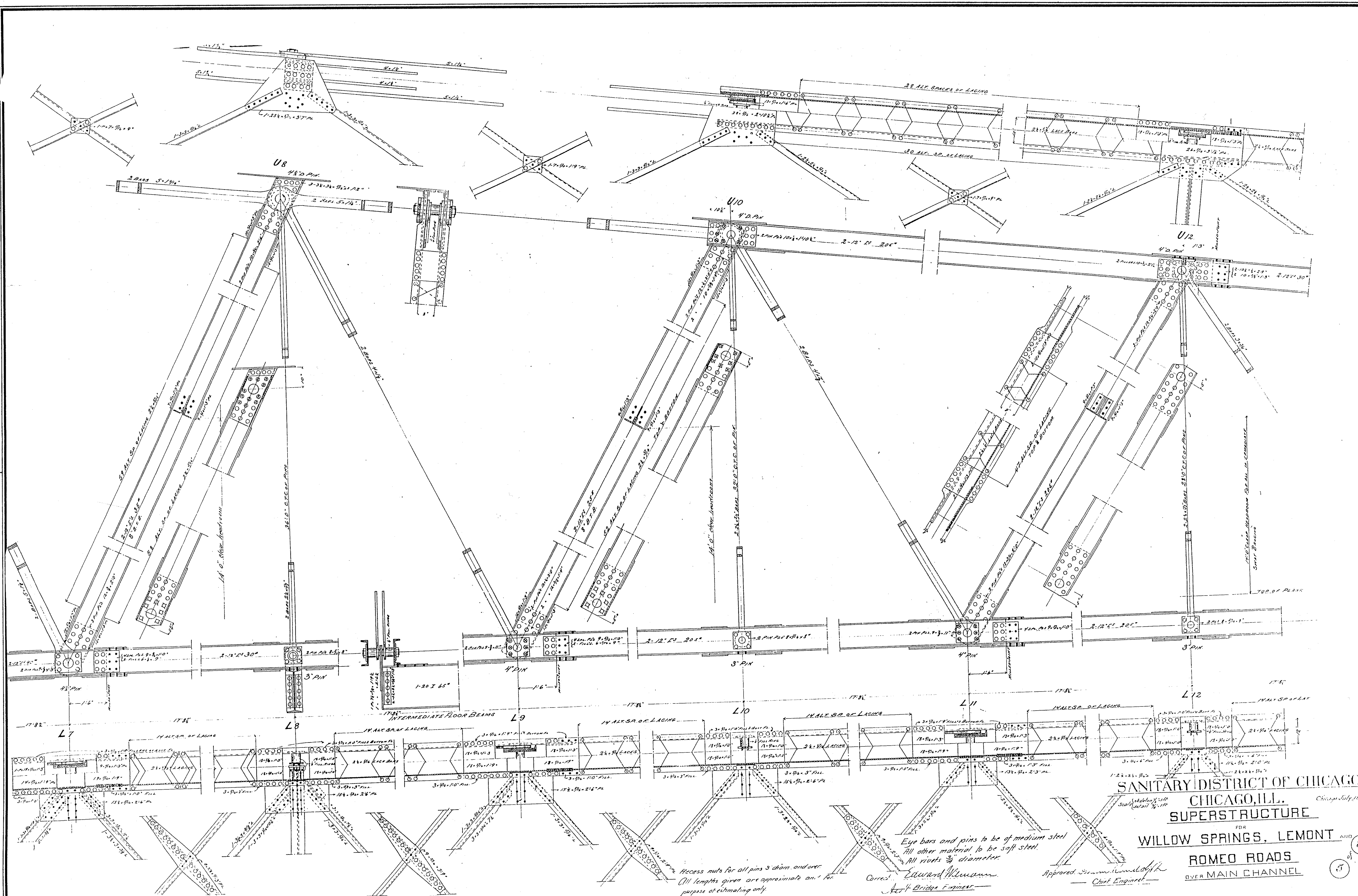
DELINEATED BY
 ROCKY MOUNTAIN REGIONAL OFFICE / DENVER
 NATIONAL PARK SERVICE
 UNITED STATES DEPARTMENT OF THE INTERIOR



SANITARY DISTRICT OF CHICAGO,
 CHICAGO, ILL.
 SUPERSTRUCTURE
 FOR
 WILLOW SPRINGS, LEMONT AND
 ROMEO ROADS
 OVER MAIN CHANNEL

Scale: Vertical 1/4" = 1'-0"
 Horizontal 3/8" = 1'-0"
 Chicago July 1898
 Corrected: Edward M. ...
 Chief Bridge Engineer
 Approved: ...
 Chief Engineer

DUE TO INSUFFICIENT INFORMATION AT THE TIME OF EDITING, THIS MATERIAL MAY NOT CONFORM TO HABS OR HAER STANDARDS.



DUE TO INSUFFICIENT INFORMATION AT THE TIME OF EDITING, THIS MATERIAL MAY NOT CONFORM TO AASHTO OR AISC STANDARDS.

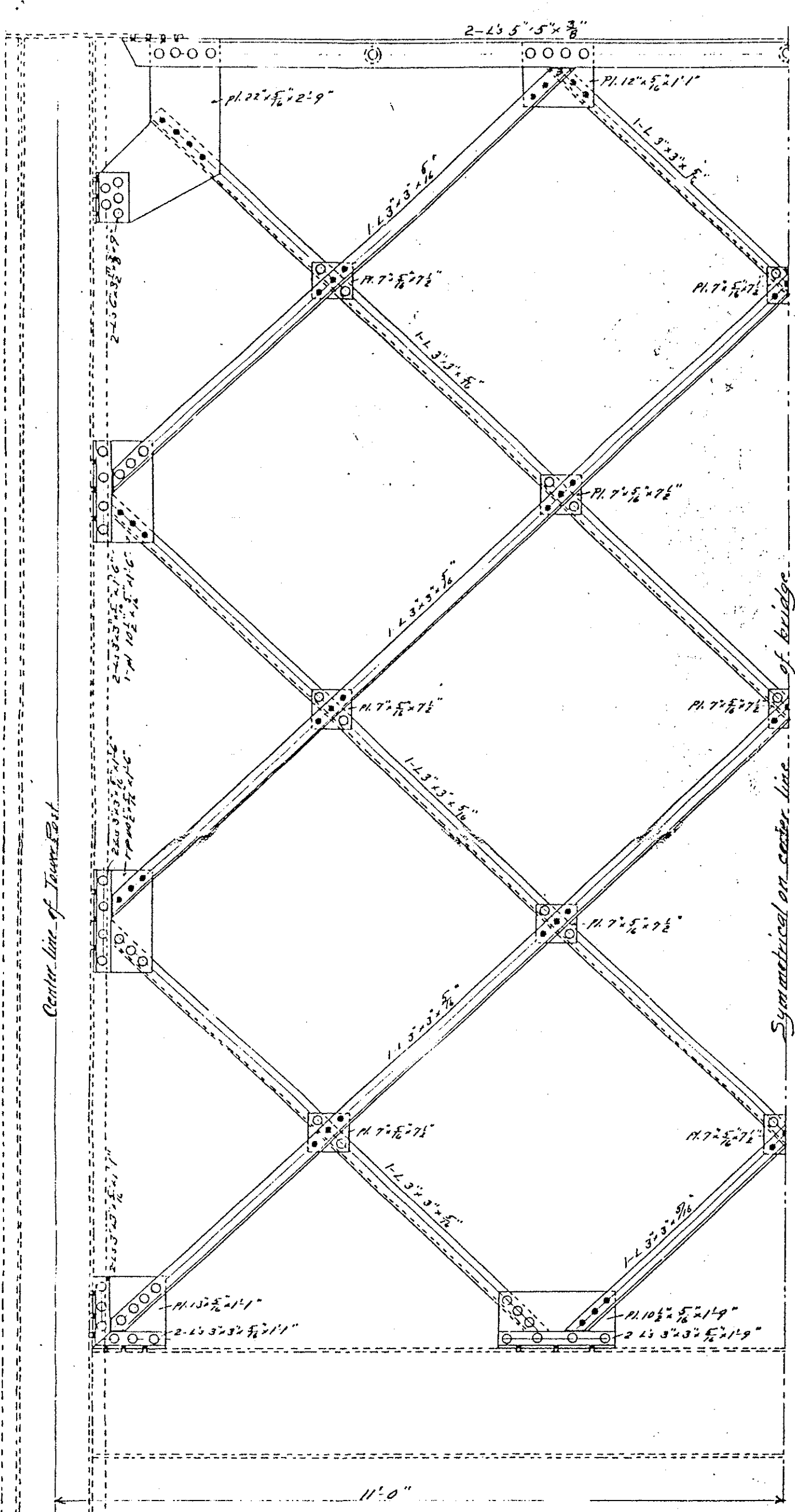
Use nuts for all pins 3 diam. and over. All lengths given are approximate and for purpose of estimating only.

Eye bars and pins to be of medium steel
All other material to be soft steel.
All rivets 3/4 diameter.
Corrected: Edward Williamson
Asst. Bridge Engineer

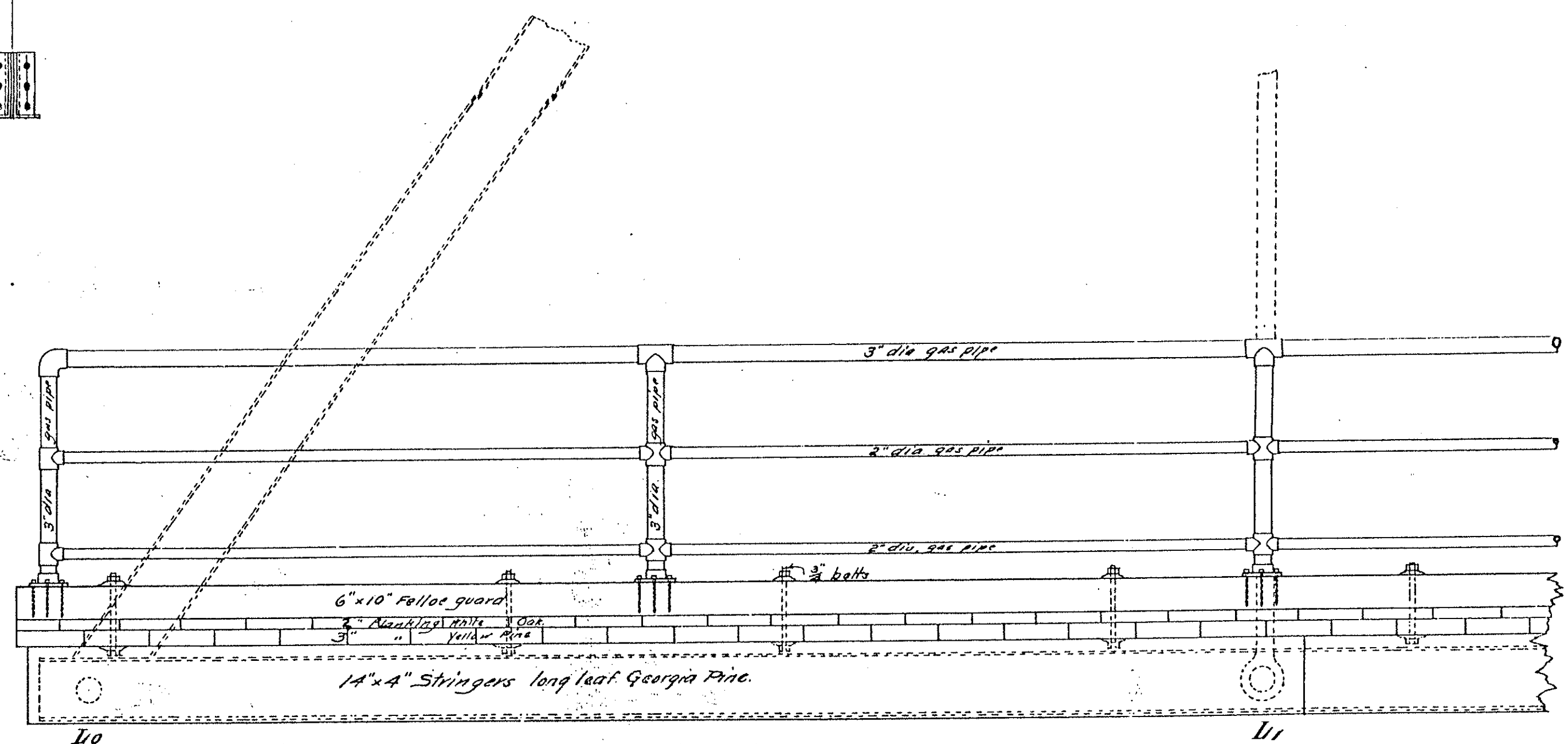
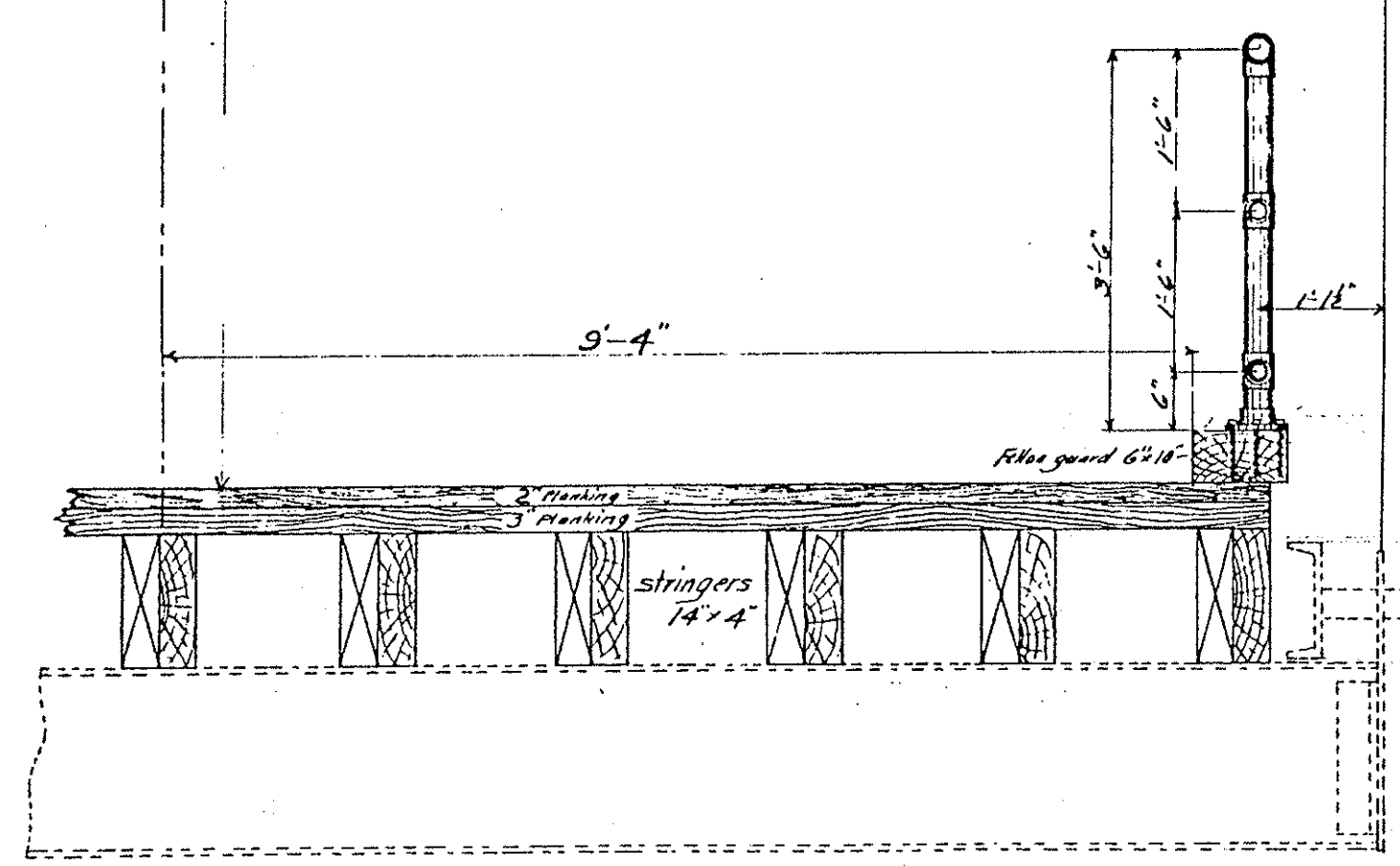
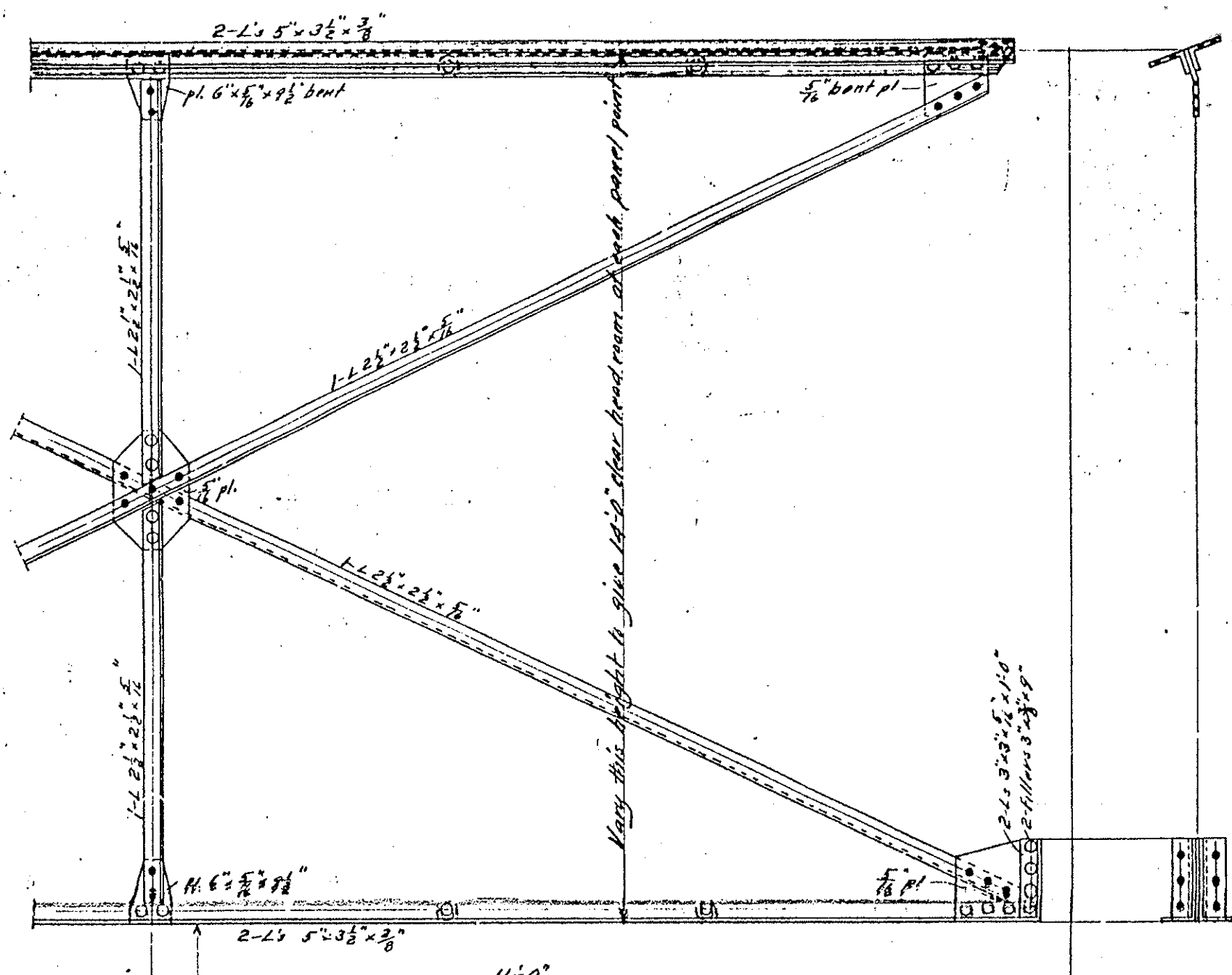
Approved: *[Signature]*
Chief Engineer

SANITARY DISTRICT OF CHICAGO,
CHICAGO, ILL.
SUPERSTRUCTURE
FOR
WILLOW SPRINGS, LEMONT AND
ROMEO ROADS
OVER MAIN CHANNEL

HISTORIC AMERICAN ENGINEERING RECORD NO. IL-41
SHEET 10 OF 13
ROMEO ROAD, SANITARY AND SHIP CANAL BRIDGE
1 1/2 M CANAL NATIONAL HERITAGE CORRIDOR
ROMEO ROAD, ROMEOVILLE, WILL COUNTY, ILLINOIS
IF REPRODUCED, PLEASE CREDIT: HISTORIC AMERICAN ENGINEERING RECORD, NATIONAL PARK SERVICE, NAME OF DELINEATOR, DATE OF THE DRAWING
This drawing was reproduced from the original 1898 construction drawing.
ROCKY MOUNTAIN REGIONAL OFFICE / DENVER
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR
DELINEATED



Material soft steel
Rivets 3/4" diameter



Gas Pipe Railing (One railing post at each panel point and one in the center of each panel)

SANITARY DISTRICT OF CHICAGO,
CHICAGO, ILL.
SUPERSTRUCTURE
FOR
WILLOW SPRINGS, LEMONT AND
ROMEO ROADS
OVER MAIN CHANNEL

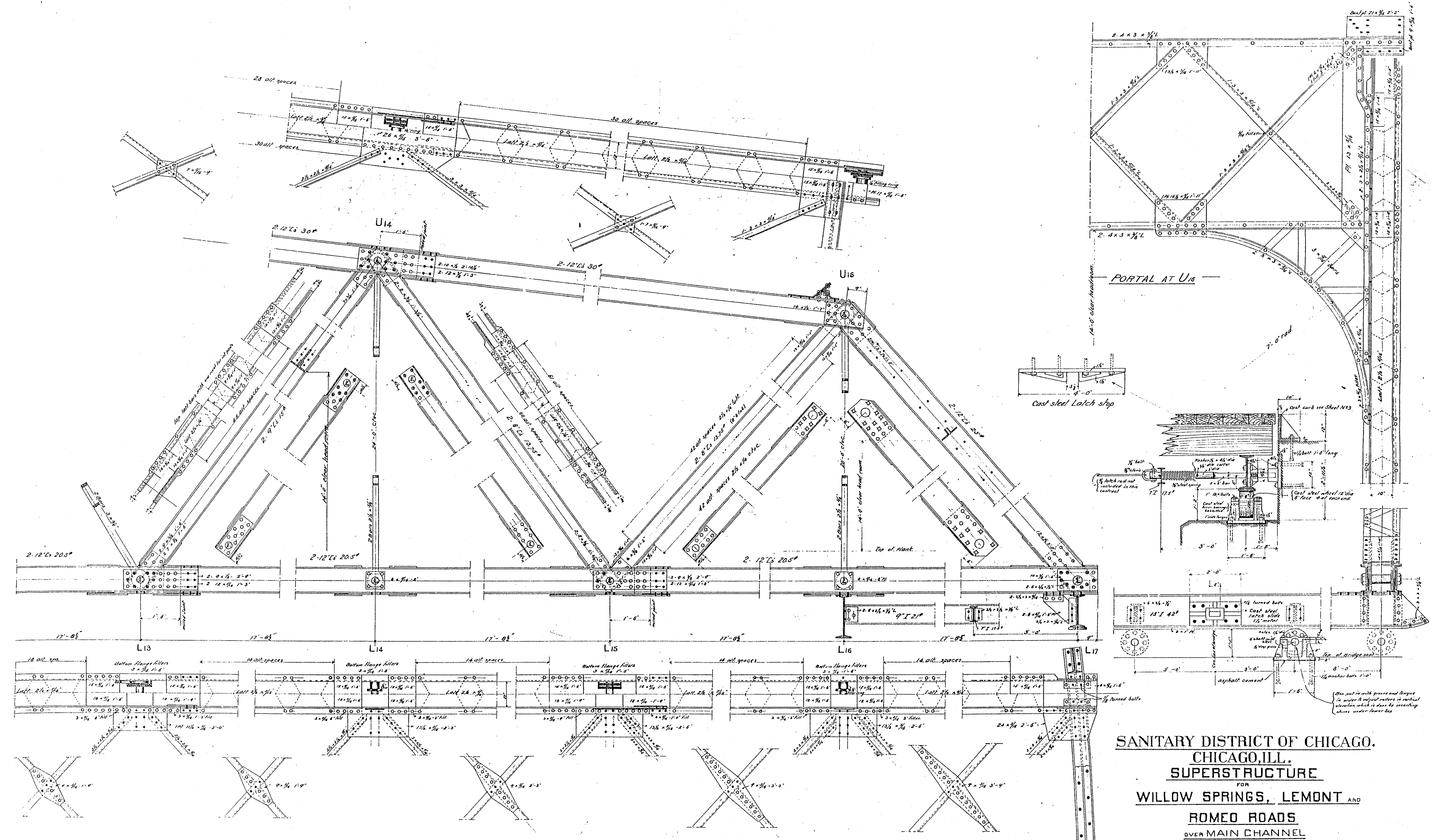
Scale 3/8" = 1' - 0"
Chicago July 1928

Corrected Edward M. Munn
Chief Bridge Engineer

Approved: Johnson W. ...
Chief Engineer

DUE TO INSUFFICIENT INFORMATION AT THE TIME OF EDITING, THIS MATERIAL MAY NOT CONFORM TO AASHTO OR HAER STANDARDS.

DOE TO INSURE INFORMATION AT THE TIME OF EDITING THIS MATERIAL MAY NOT CONFORM TO HABS OR WATER STANDARDS.



Process nuts for all pins 3" diam and over
All lengths given are approximate and for
purpose of estimating only.

Eye bars and pins to be of medium steel
All other material to be soft steel unless noted
All rivets 3/4" diameter unless noted
All surfaces of castings in contact with each other
or with other metal parts, must be machine finished
to dimensions given

SANITARY DISTRICT OF CHICAGO.
CHICAGO, ILL.
SUPERSTRUCTURE
FOR
WILLOW SPRINGS, LEMONT AND
ROMEO ROADS
OVER MAIN CHANNEL

Scale: sketch 1/4" = 1 foot
detail 1/8" = 1 foot
Chicago July 1920
Approved: *Arthur H. Morrison*
Chief Engineer

8
6

DELIMITED BY:
ROCKY MOUNTAIN REGIONAL OFFICE / DENVER
NATIONAL PARK SERVICE
UNITED STATES DEPARTMENT OF THE INTERIOR

ROMEO ROAD, SANITARY AND SHIP CANAL BRIDGE
1.81 M CANAL NATIONAL HERITAGE CORRIDOR
ROMEO ROAD, ROMEOVILLE, WILL COUNTY, ILLINOIS

IF REPRODUCED, PLEASE CREDIT: HISTORIC AMERICAN ENGINEERING RECORD, NATIONAL PARK SERVICE, NAME OF DELIMITATOR, DATE OF THE DRAWING
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SHEET
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HISTORIC AMERICAN
ENGINEERING RECORD
NO. 11-41