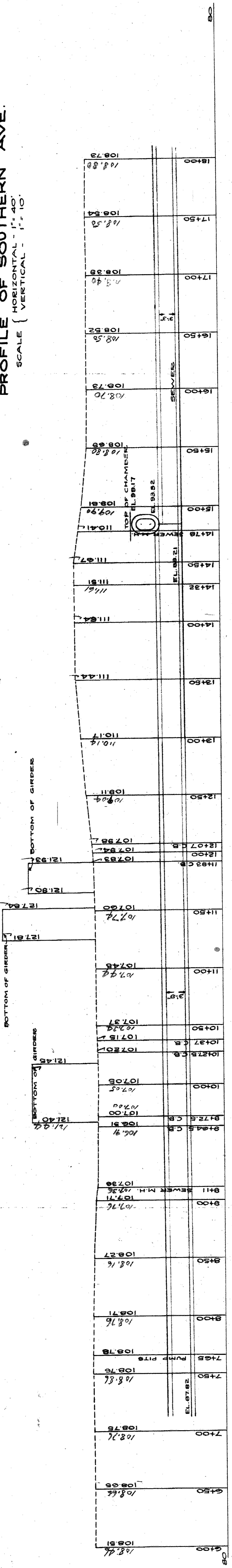


PLAN 1"=40'

PROFILE OF SOUTHERN AVE.
SCALE { HORIZONTAL - 1"=40'
VERTICAL - 1"=10'

110.56	0+50	110.36	109.76	109.56	108.81	108.16
110.56	0+50	110.36	109.76	109.56	108.81	108.16
109.76	1+00	109.56	108.81	108.16	107.41	106.76
109.76	1+00	109.56	108.81	108.16	107.41	106.76
108.81	1+50	108.16	107.41	106.76	106.01	105.36
108.81	1+50	108.16	107.41	106.76	106.01	105.36
108.16	2+00	107.41	106.76	106.01	105.26	104.61
108.16	2+00	107.41	106.76	106.01	105.26	104.61
107.41	2+50	106.76	106.01	105.26	104.51	103.86
107.41	2+50	106.76	106.01	105.26	104.51	103.86
106.76	3+00	106.01	105.26	104.51	103.76	103.11
106.76	3+00	106.01	105.26	104.51	103.76	103.11

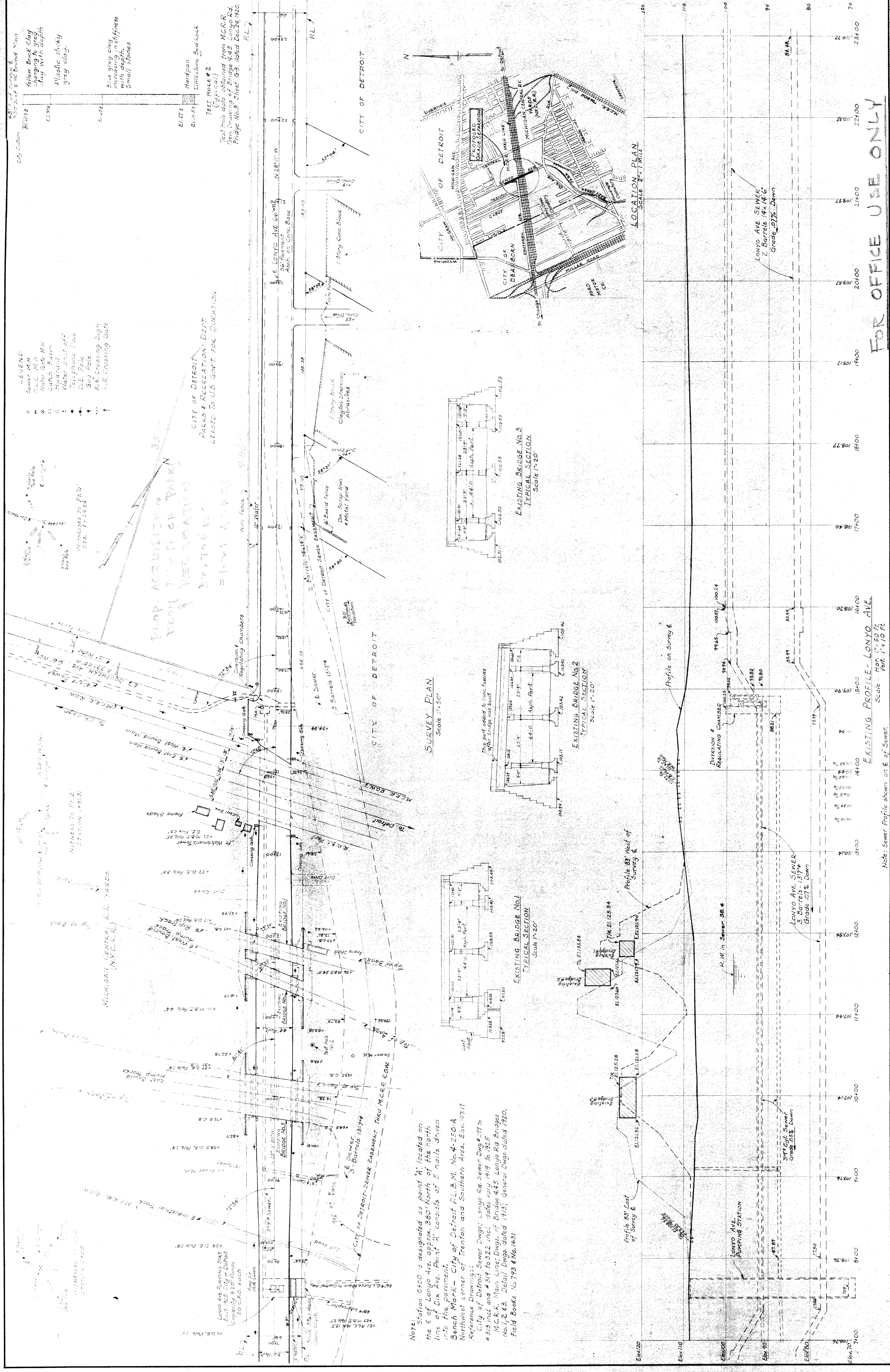


PROFILE OF LONYO ROAD.
SCALE { HORIZONTAL 1"=40'
VERTICAL 1"=10'

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
OFFICE OF CITY ENGINEER
DIVISION OF GRADE SEPARATION & BRIDGES
LONYO ROAD
SCALES AS SHOWN APRIL 1929
DRAWN BY A.M.V.
CHECKED BY BOOKS { W-251 PAGE 56
W-575 " 25
793 " 39
CHICAGO DIVISION

APPROVED _____
SUCY. ENGINEER _____
SHEP. ENGINEER M.S.E. _____

2 B.P. 5-17-45
 3 B.P. 6-11-45
 4 B.P. 6-21-45
 5 B.P. 7-5-45
 6 B.P. 7-25-45



FOR OFFICE USE ONLY

SHEET OF SHEETS JOB No. 43 DRWG No. X-708 DATE 5/26/1945		CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE BUREAU OF DESIGN		GRADE SEPARATION LONYO AVE. & M.C.R.R. (M.Y.C.R.R.) PRELIMINARY PLAN SURVEY AND LOCATION PLAN SCHEME 1	
DESIGNED BY	J.R. Pantony	APPROVED			
DRAWN BY	A. Berarducci				
TRACED BY	A. Berarducci				
CHECKED BY					
DESCRIPTION					
REVISIONS					
NO.	DATE	BY	REASON		

Note: Station 0+00 is designated as point 'A', located on the E of Lonyo Ave, approx. 380' North of the north line of Dix Ave. Point 'A' consists of 5 nails driven into the pavement.
 Bench Mark - City of Detroit R.L.B.M. No. 4-250-A Northwest corner of Trenton and Southern Aves. Elev. 97.17
 Reference Drawings:
 City of Detroit Sewer Dwg. Lonyo Rd. Sewer Dwg. 2-297 to 4-313 incl. and 4-317 to 4-322 incl. Dates vary 1919 to 1925
 M.C.R.R. Main Line Dwg. of Bridge 445 Lonyo Rd. Bridges No. 1, 2 & 3. Detail Dwg. dated 1/13/1913. General Dwg. dated 1/20/1920.
 Field Books No. 793 & No. 1431

Note: Sewer Profile shown on E of Sewer.
 Scale - Hor. 1" = 50 FT.
 Vert. 1" = 10 FT.

LEGEND:
 Sewer M.H.
 S.E. M.H.
 Water Pipe
 Telephone Pipe
 Gas Pipe
 Sewer Pipe
 S.W. Crossing Sign
 S.W. Crossing Gate

TEST HOLE # 2
 (Typical)
 Test hole data obtained from M.C.R.R. Gen. Drawing of Bridge 445 Lonyo Rd. Bridge No. 3. Dated 1/13/1913.

CITY OF DETROIT
 PARKS & RECREATION DEPT.
 LEASED TO U.S. GOVT. FOR DURATION

LONYO AVE SEWER
 3 Barrels - 13.7% Grade .07% Down

LONYO AVE SEWER
 2 Barrels - 14.14% Grade .07% Down

NOTE: Station 0+00 is designated as point A, located on the E. of Longo Ave. approx. 500' north of the north line of Dix Ave. P.A. consists of five nails driven into pavement.
 Replat Mark: City of Detroit P.L. No. 4-250-A
 N.W. corner of Tenth and Southern Aves. E.L. 107.10'

PROPI. ACQUISITION FROM DEPT. OF PARKS & RECREATION = 54,700 sq. ft. = 1.27 AC. CITY OF DETROIT PARKS & RECREATION DEPT.

Abandon this part of Southern Ave. Remove Division & Regulating Chamber of Southern Longo Ave. & Relocate appurtenances from Main to Longo Ave. Sewer.

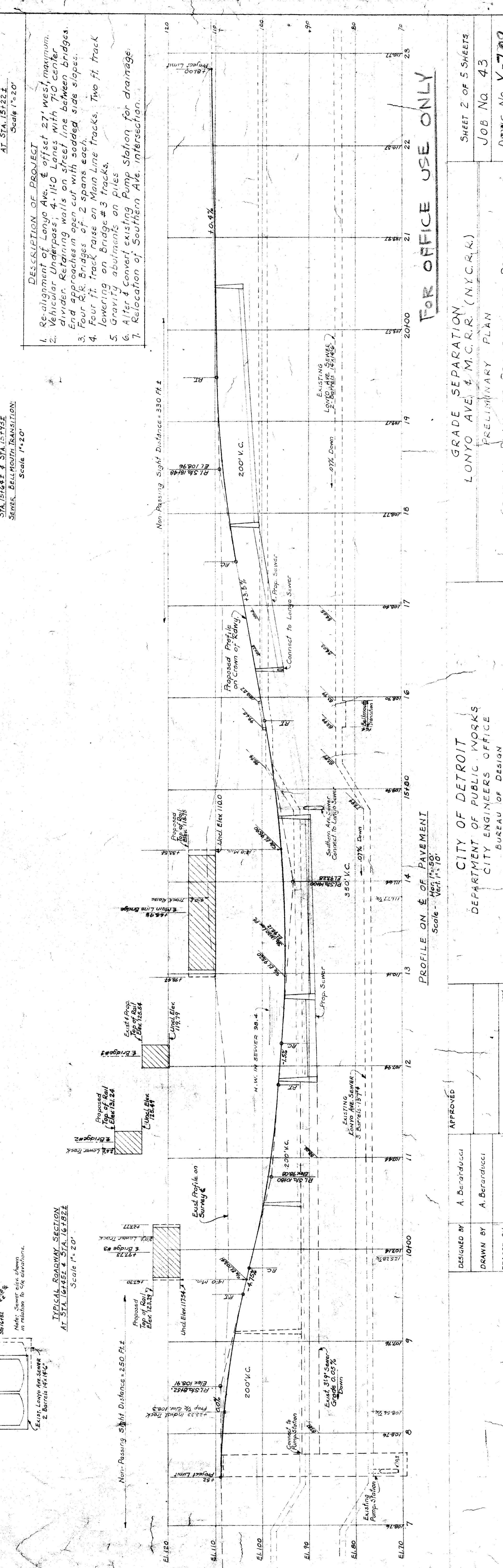
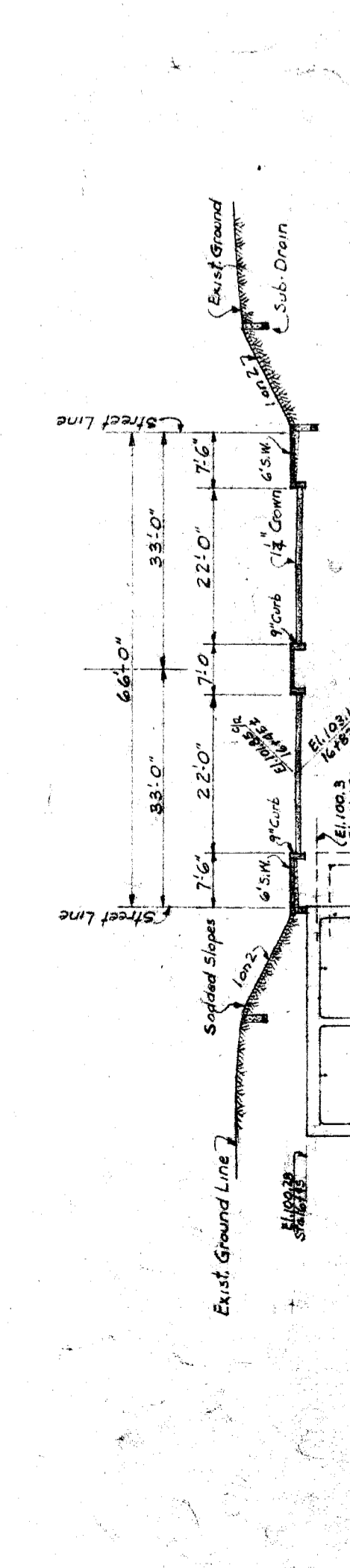
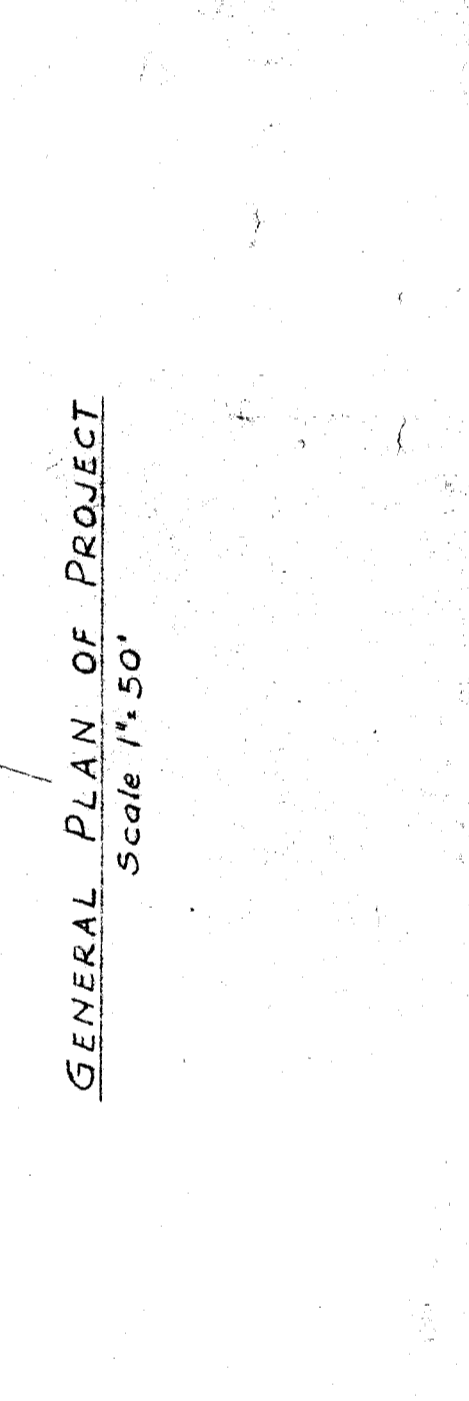
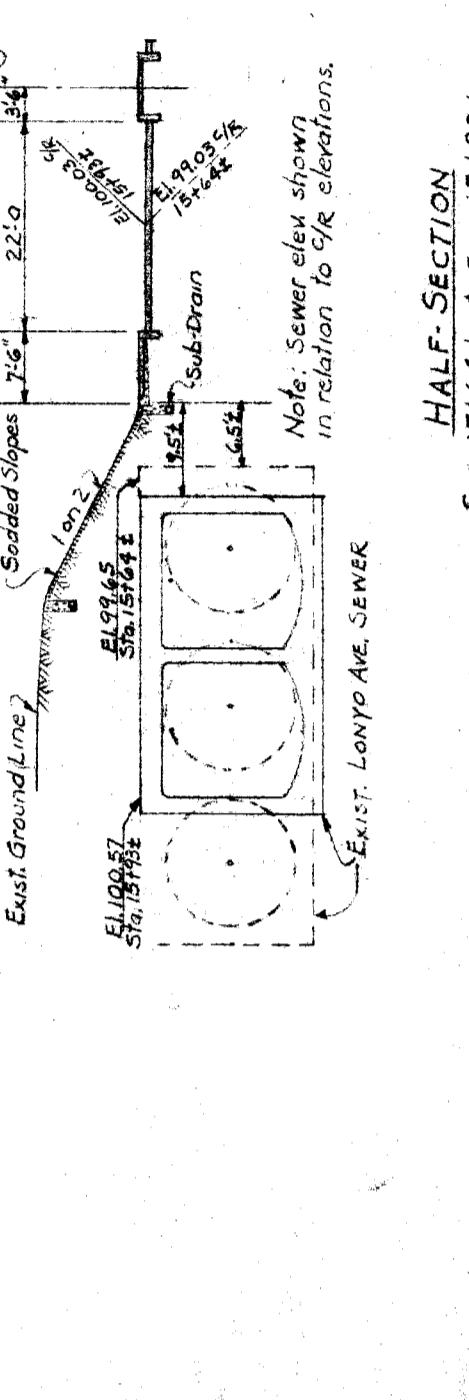
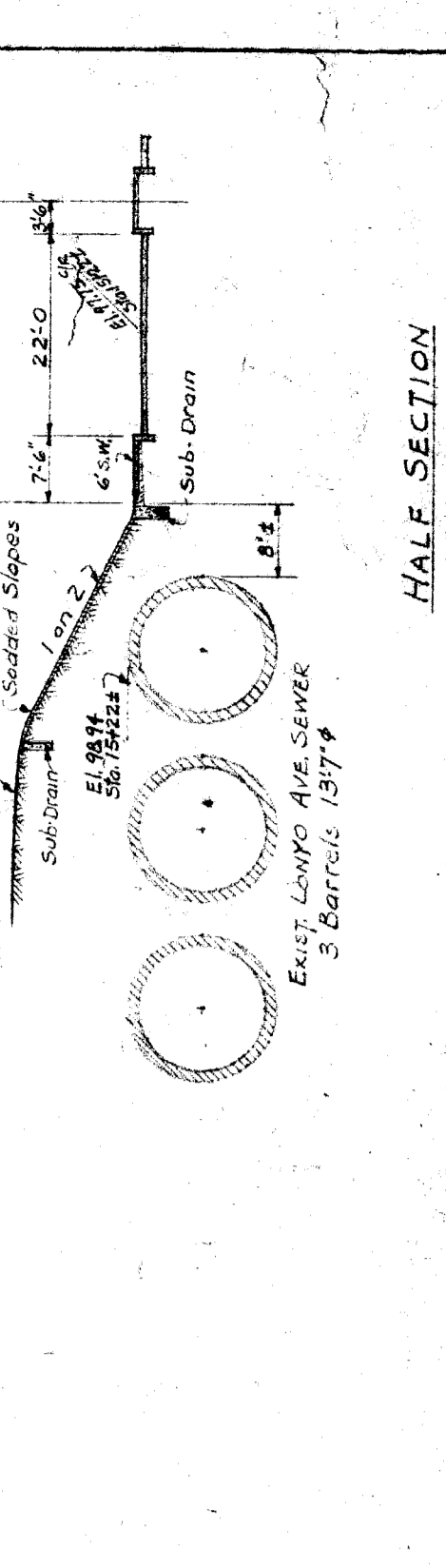
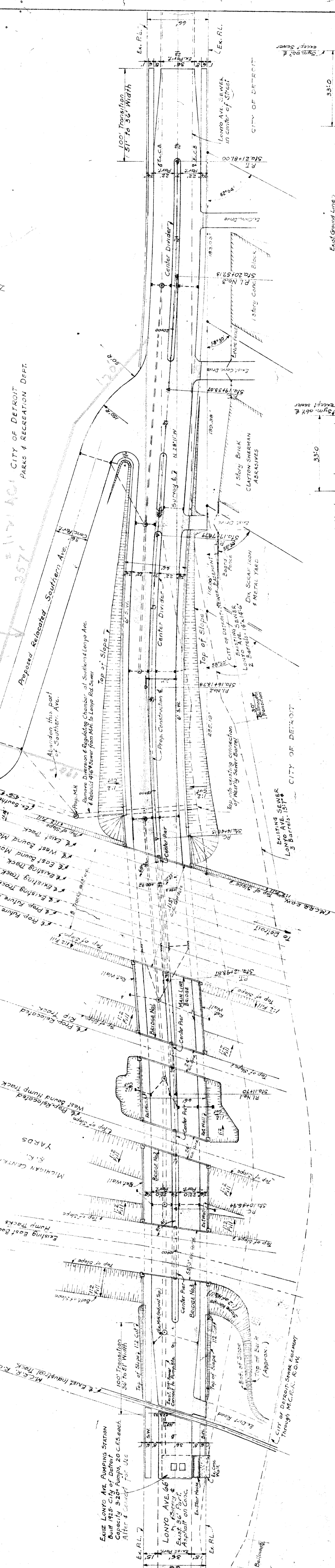
Proposed Relocated Southern Ave. 357'.

Curve No. 1
 Δ: 4°08'00"
 D: 150.00'
 L: 124.00'
 T: 124.00'
 P.C.: 107.10'
 P.T.: 129.10'

Curve No. 2
 Δ: 8°16'00"
 D: 150.00'
 L: 124.00'
 T: 124.00'
 P.C.: 107.10'
 P.T.: 129.10'

Curve No. 3
 Δ: 4°08'00"
 D: 150.00'
 L: 124.00'
 T: 124.00'
 P.C.: 107.10'
 P.T.: 129.10'

EXIST. LONGO AVE. PUMP STATION
 Built 1925. City of Detroit
 Capacity: 3200 Amps 20 C.F.S. each
 After 4 convert for 300



DESIGNED BY A. Berarducci
 DRAWN BY A. Berarducci
 TRACED BY
 CHECKED BY

APPROVED

CITY ENGINEER

CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 BUREAU OF DESIGN

GENERAL PLAN OF PROJECT AND PROFILE

LONGO AVE. & M.C.R.A. (N.Y.C.R.R.)
 PRELIMINARY PLAN

SCALE: AS NOTED

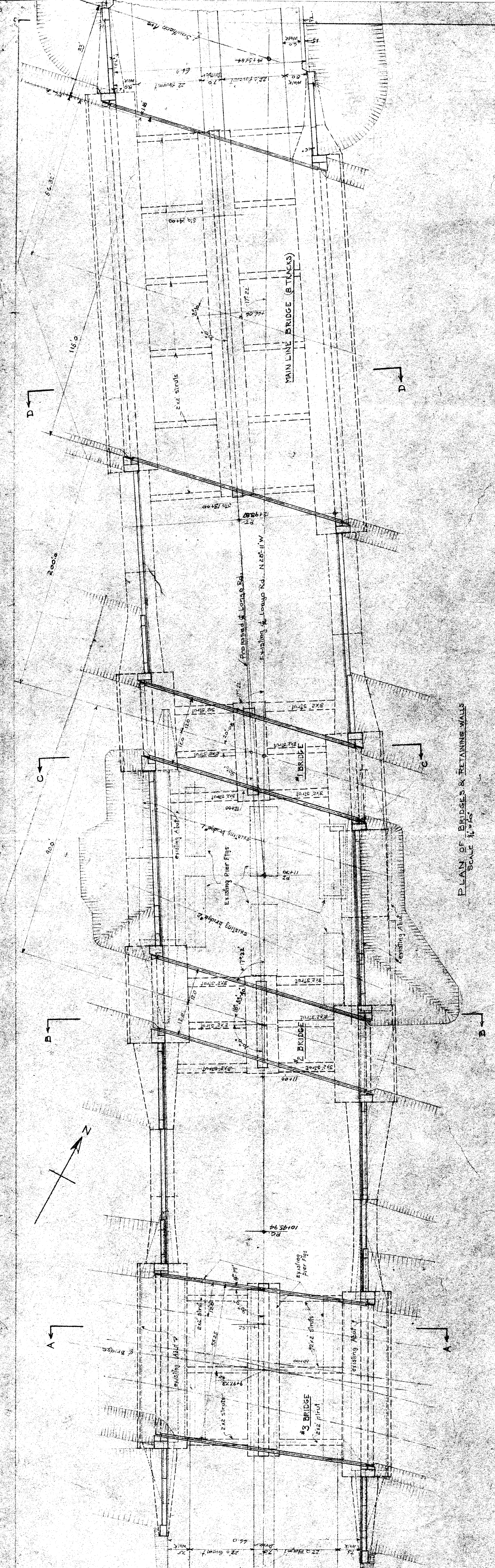
DATE July 26, 1945

JOB NO. 43
 DRWG. No. X-709

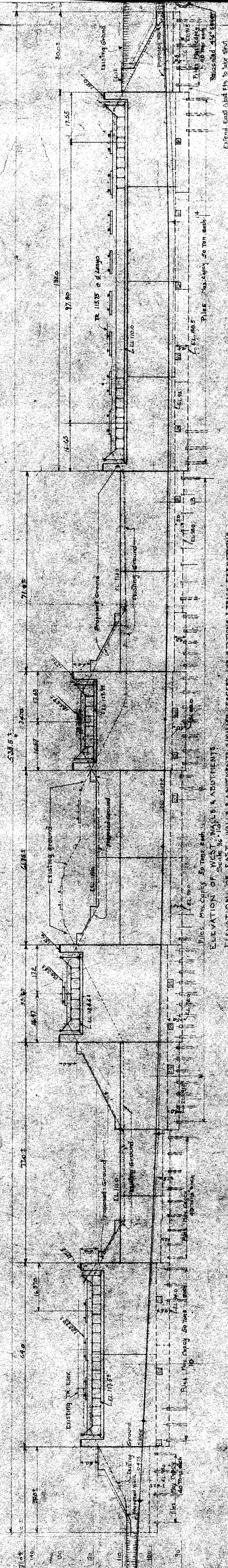
SHEET 2 OF 5 SHEETS

FOR OFFICE USE ONLY

2 B.P. 5-28-45
 2 B.P. 6-01-45
 1 B.P. 7-10-45
 2 B.P. 7-25-45

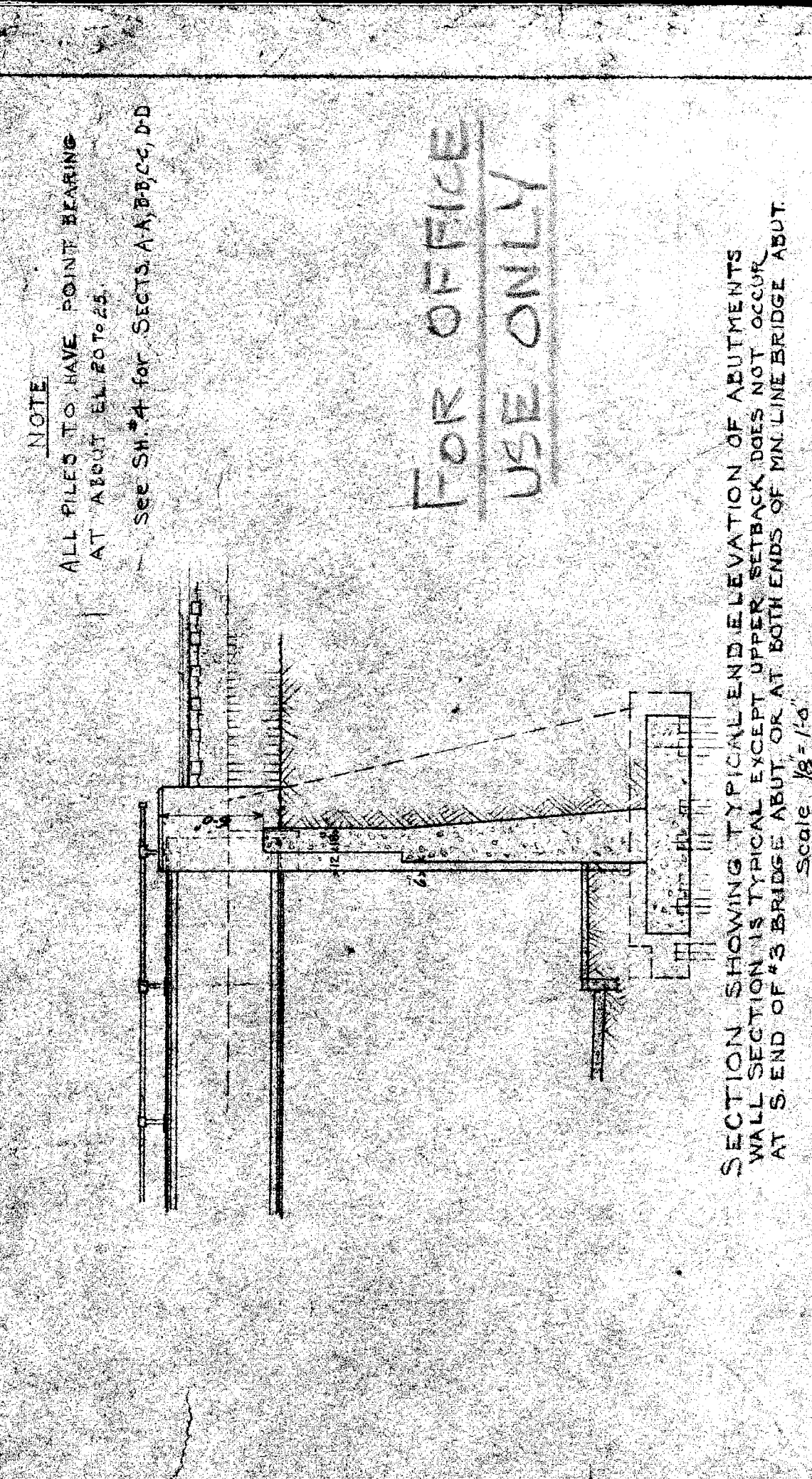


PLAN OF BRIDGES & RETAINING WALLS
 SCALE 1/4" = 1'-0"

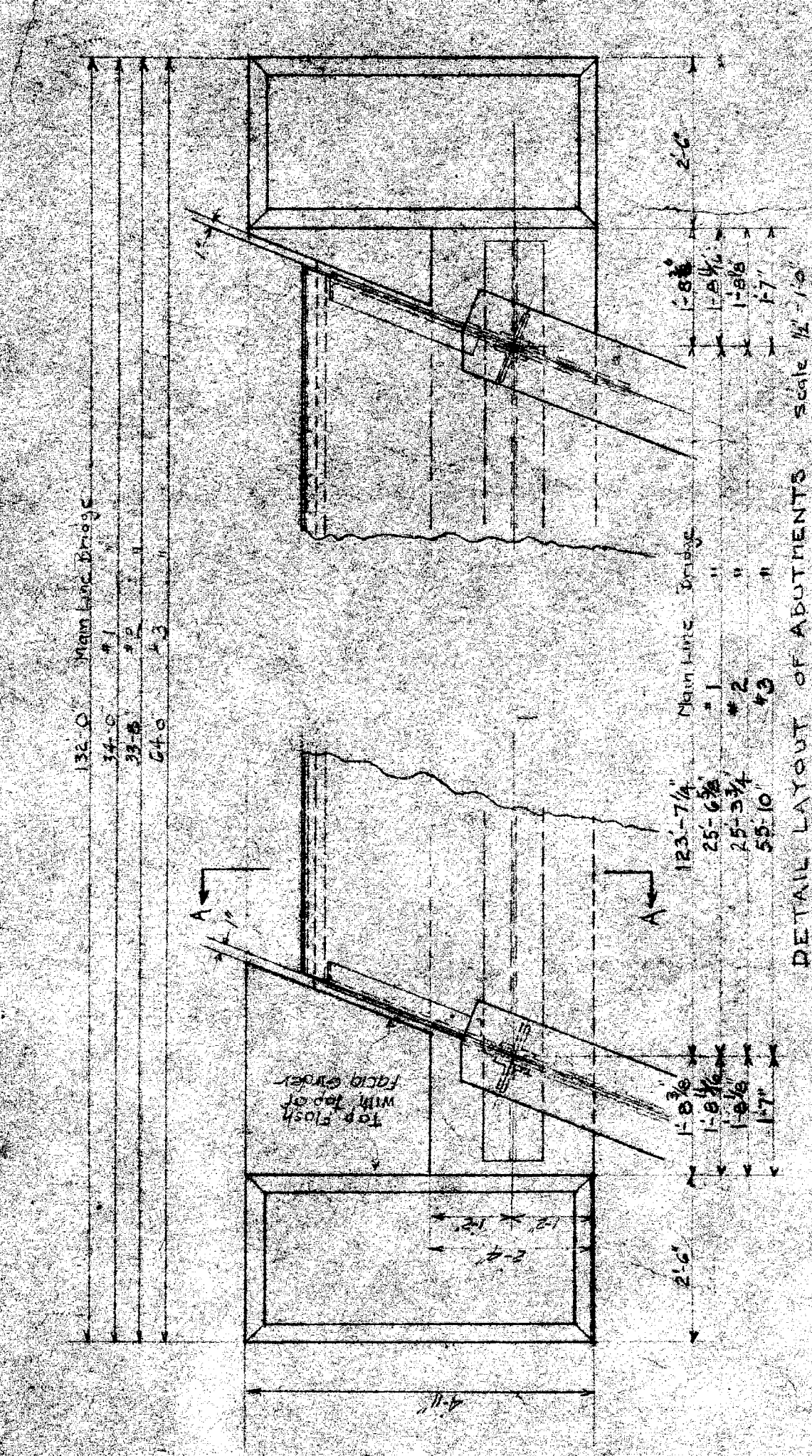
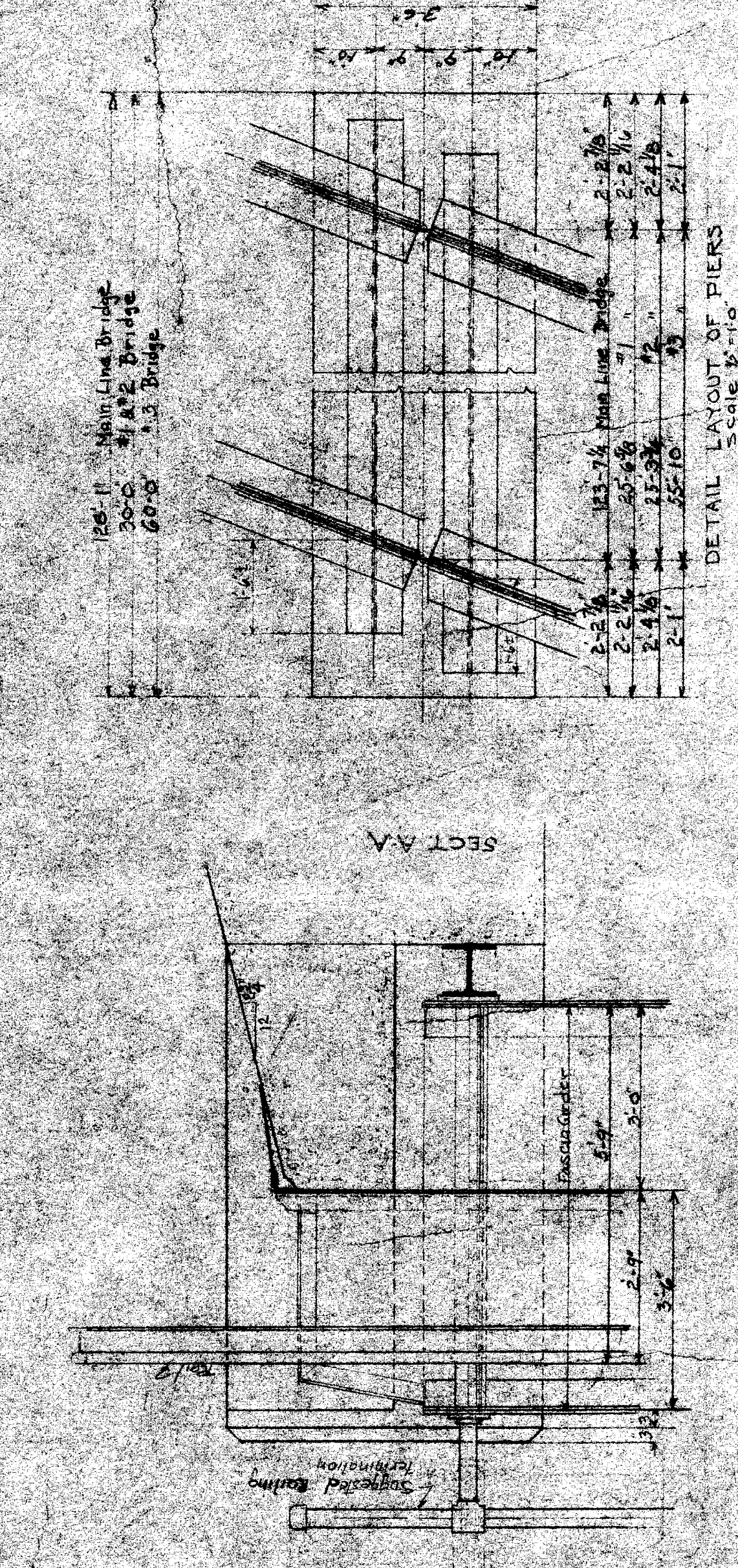


ELEVATION OF WEST WALL & ABUTMENTS
 SCALE 1/4" = 1'-0"

ELEVATION OF EAST WALLS & ABUTMENTS SIMILAR EXCEPT FOR RATINGS & TRACK ELEVATIONS
 SCALE 1/4" = 1'-0"



SECTION SHOWING TYPICAL END ELEVATION OF ABUTMENTS
 WALL SECTION IS TYPICAL EXCEPT UPPER SETBACK DOES NOT OCCUR AT S.E. END OF BRIDGE ABUT. OK AT BOTH ENDS OF MAIN LINE BRIDGE ABUT.
 SCALE 1/4" = 1'-0"



DETAIL LAYOUT OF ABUTMENTS
 SCALE 1/4" = 1'-0"

DETAIL LAYOUT OF PIERS
 SCALE 1/4" = 1'-0"

SECTION A-A
 SCALE 1/4" = 1'-0"

SECTION B-B
 SCALE 1/4" = 1'-0"

SECTION C-C
 SCALE 1/4" = 1'-0"

SECTION D-D
 SCALE 1/4" = 1'-0"

FOR OFFICE
 USE ONLY

NOTE
 ALL PILES TO HAVE POINT BEARING
 AT ABOUT EL. 20 TO 25.
 See SM #4 for SECTS. A, B, C, D, D

SHEET 3 OF 5 SHEETS
 JOB NO. 43
 DRAWING NO. X-710
 DATE July 26, 1945

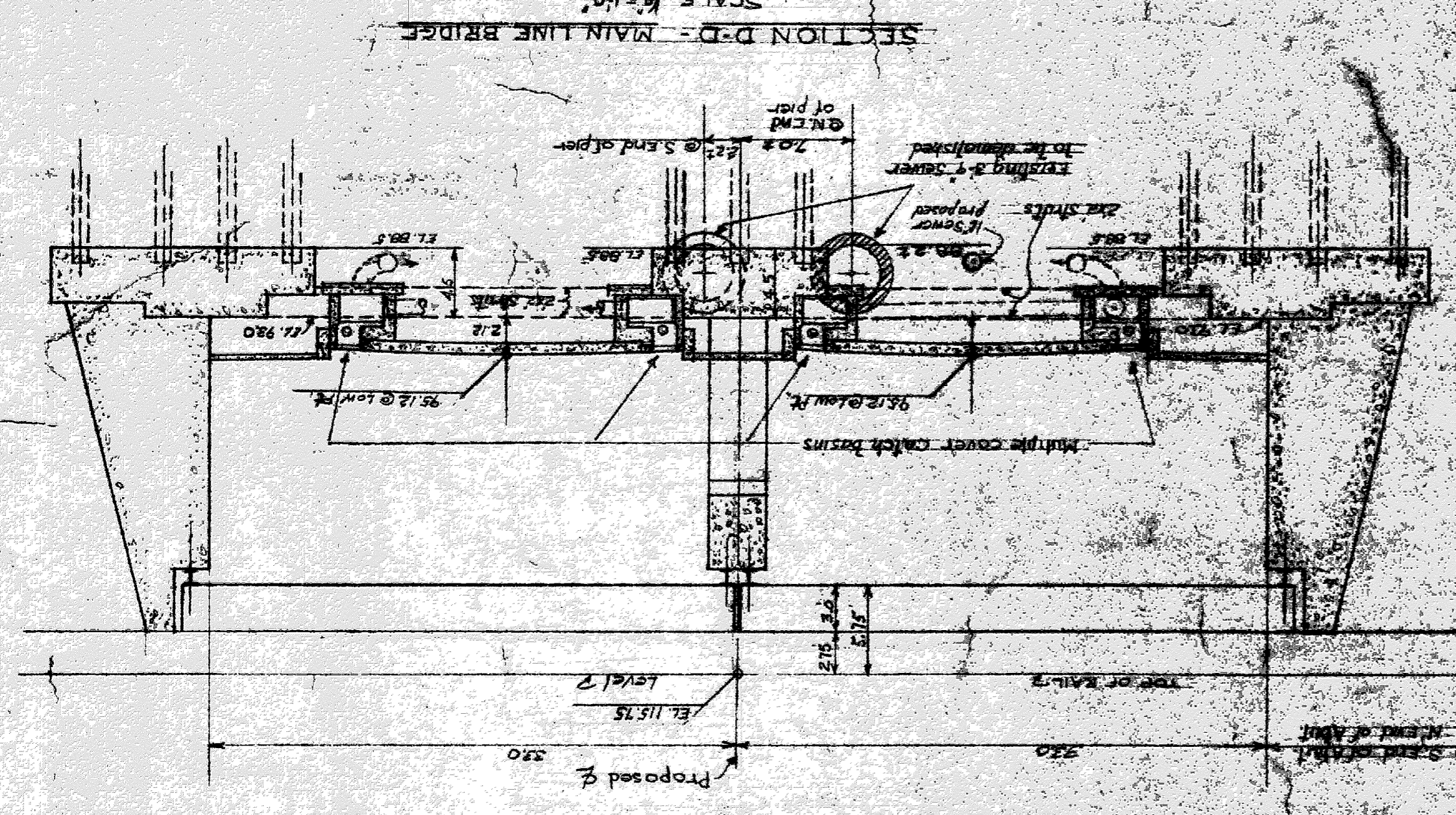
GRADE SEPARATION
 LONYO AVE & MCRR (NYCRR)
 PRELIMINARY PLAN
 SCALE AS NOTED

CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 BUREAU OF DESIGN

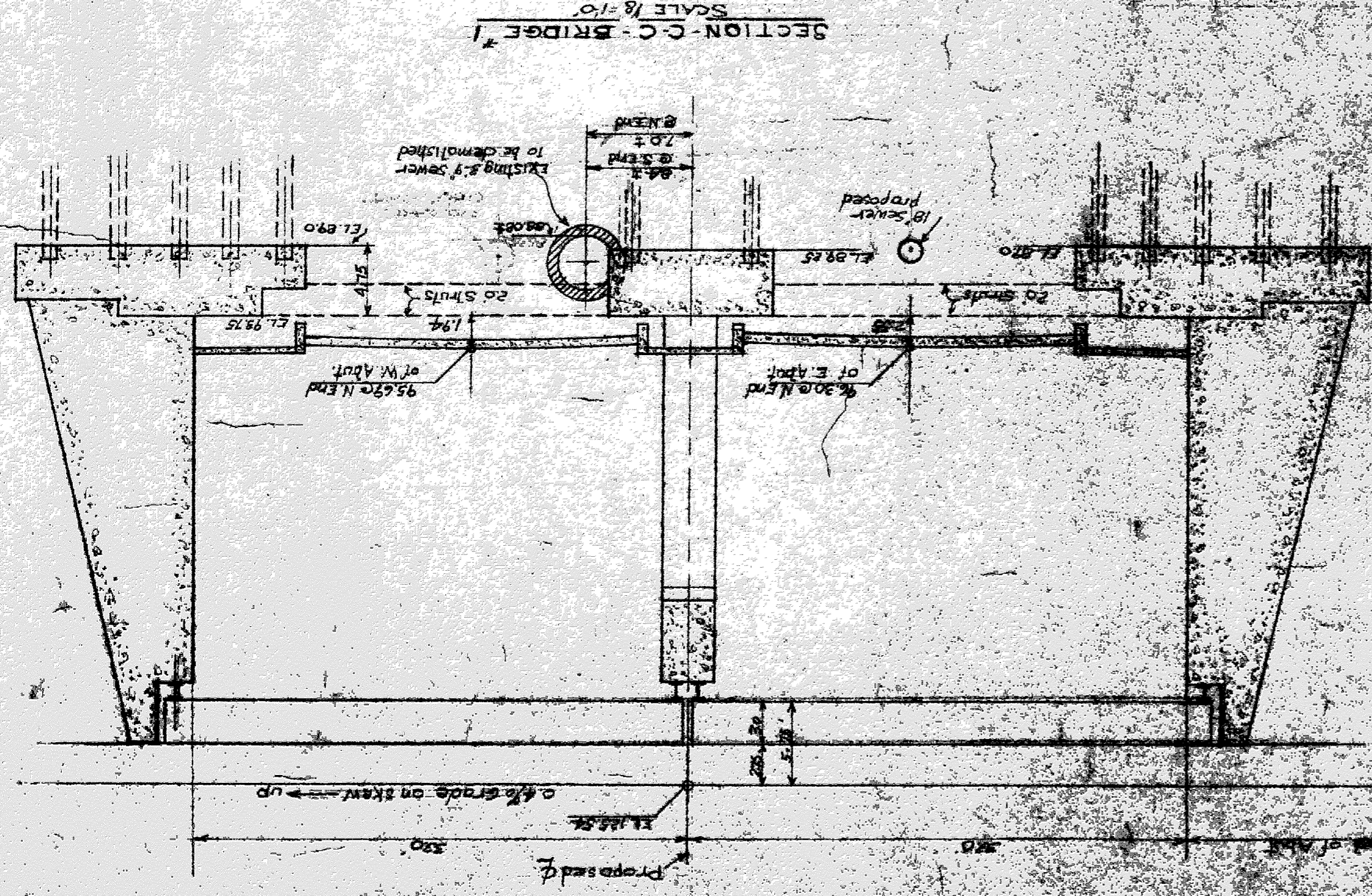
DESIGNED BY: E.E. Wallace
 DRAWN BY: E.E. Wallace
 CHECKED BY:
 APPROVED:

FOR OFFICE
USE ONLY

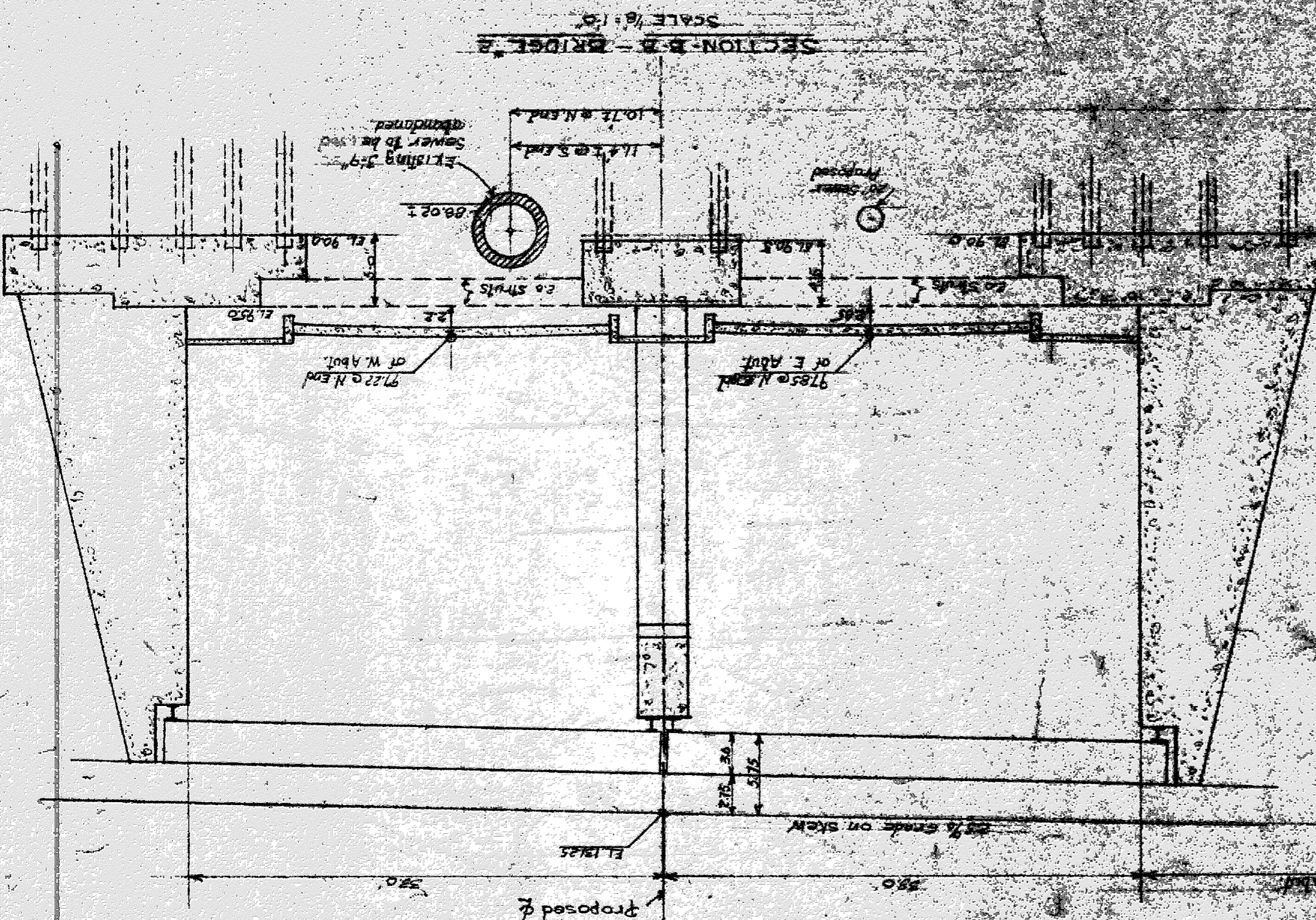
NOTE
ALL SECTIONS ARE DRAWN TO THE LOCATION OF SEWER AS SHOWN ON THE PLAN. THE LOCATION OF SEWER IS NOT TO BE CHANGED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLAN. ALL DIMENSIONS ARE IN FEET AND INCHES. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.



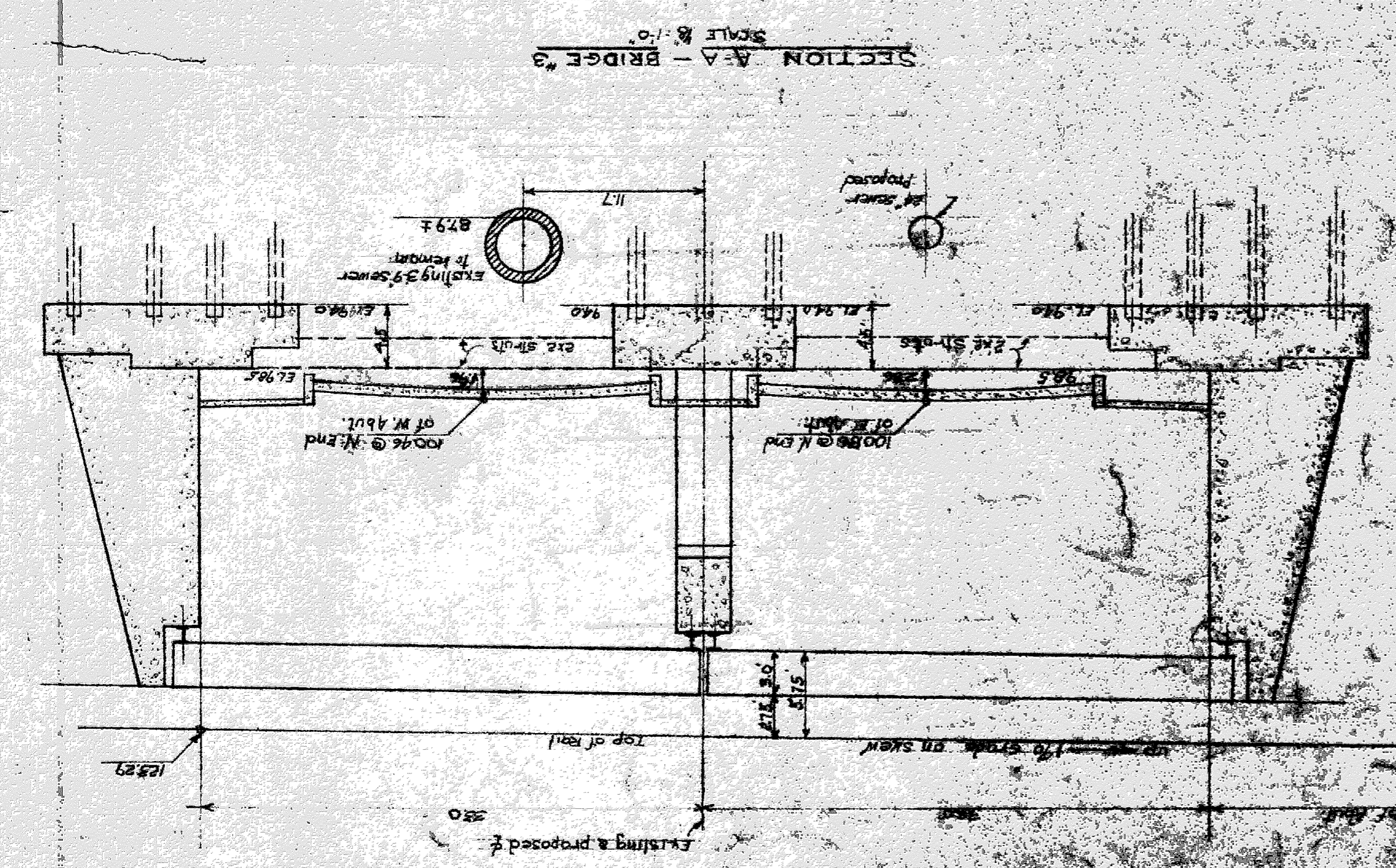
SECTION D-D - MAIN LINE BRIDGE
SCALE 1/4" = 1'-0"



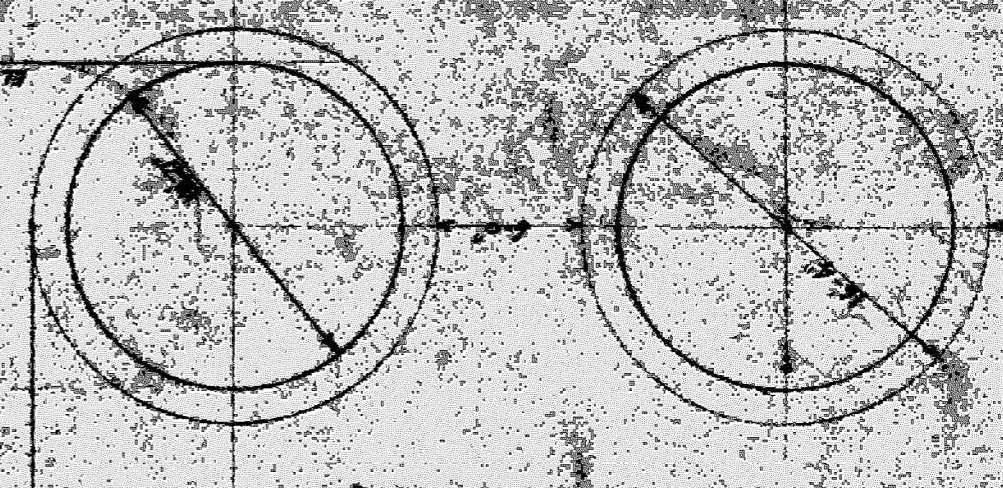
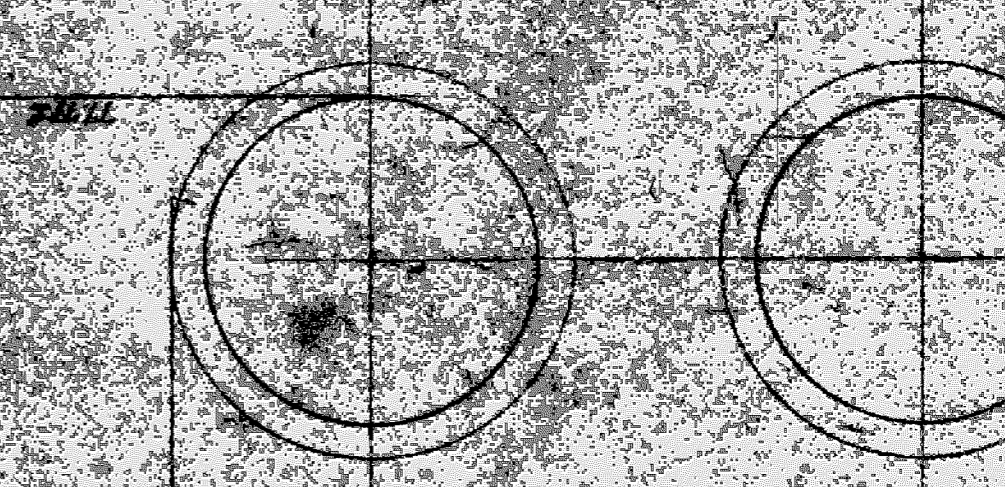
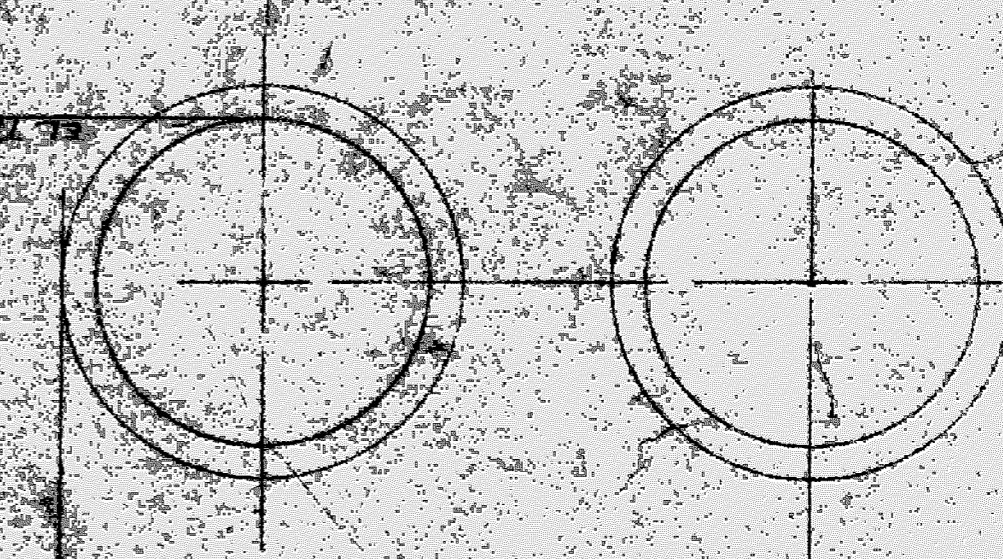
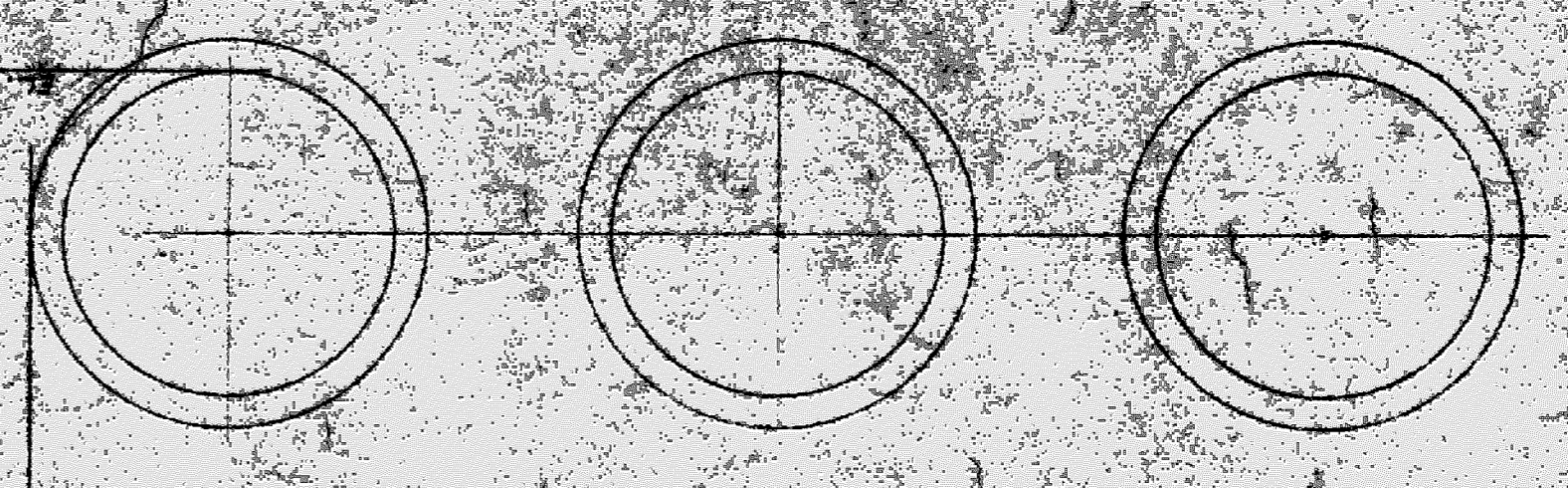
SECTION C-C - BRIDGE 1
SCALE 1/4" = 1'-0"



SECTION B-B - BRIDGE 2
SCALE 1/4" = 1'-0"



SECTION A-A - BRIDGE 3
SCALE 1/4" = 1'-0"



EXISTING TONTO AVE TUNNEL SEWER
TONTO AVE

SHEET # OF 5 SHEETS
JOB No. 48
DRAWING No. X-711
DATE July 30, 1935

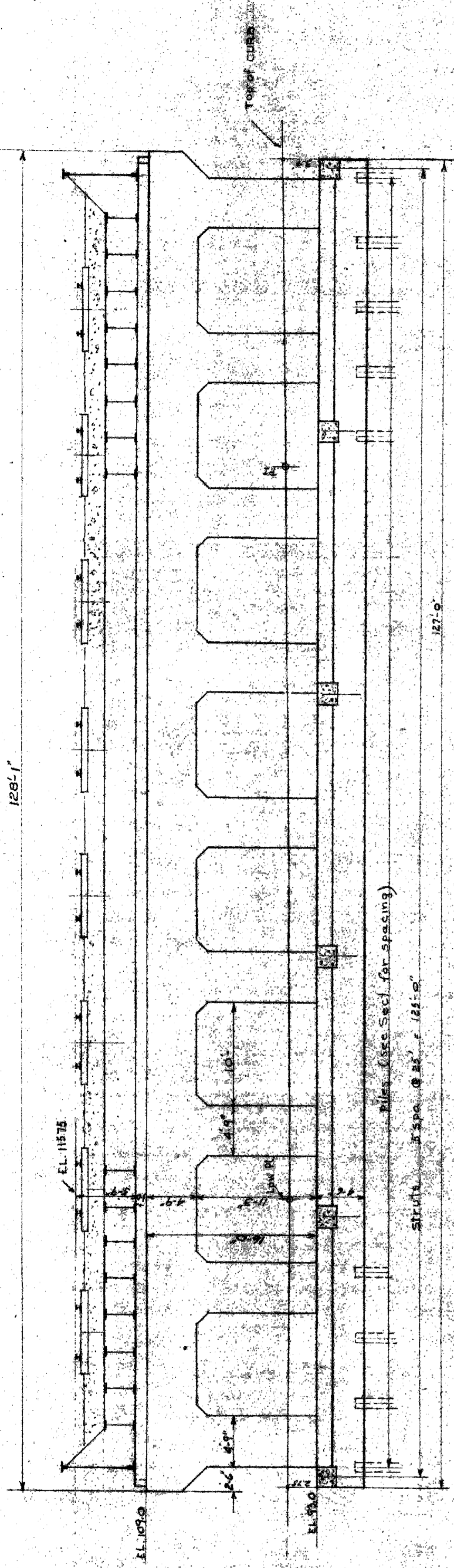
GRADE SEPARATION
TONTO AVE. & M.C.R.R. (NYCKERS)
PRELIMINARY PLAN
CROSS SECTIONS AT BRIDGES
SCALE AS NOTED
SCHEME # 1

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEER'S OFFICE
BUREAU OF DESIGN

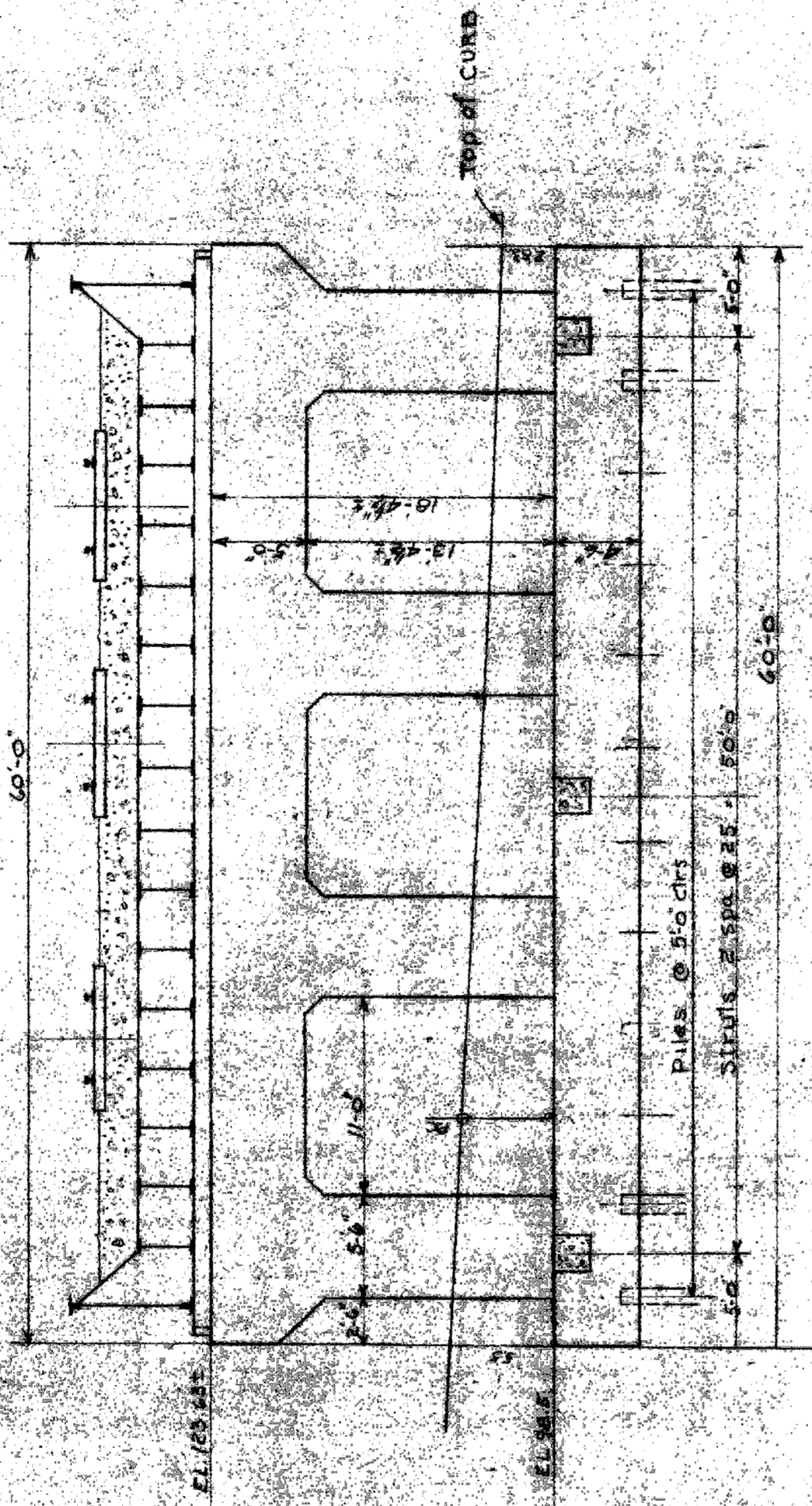
APPROVED
E. E. WALLACE
DRAWN BY E. E. WALLACE
TRACED BY
CHECKED BY
CITY ENGINEER

18-45
21-45
25-45

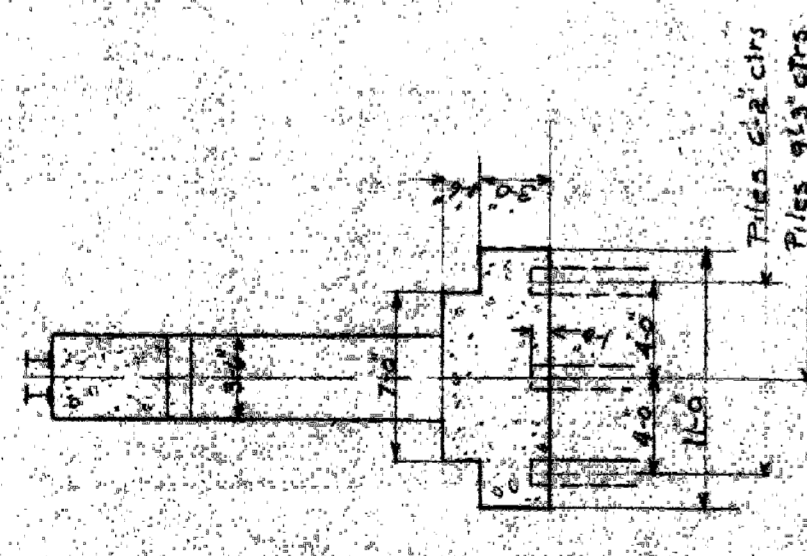
2 B.P. 5-18-45
 2 B.P. 6-21-45
 2 B.P. 7-25-45



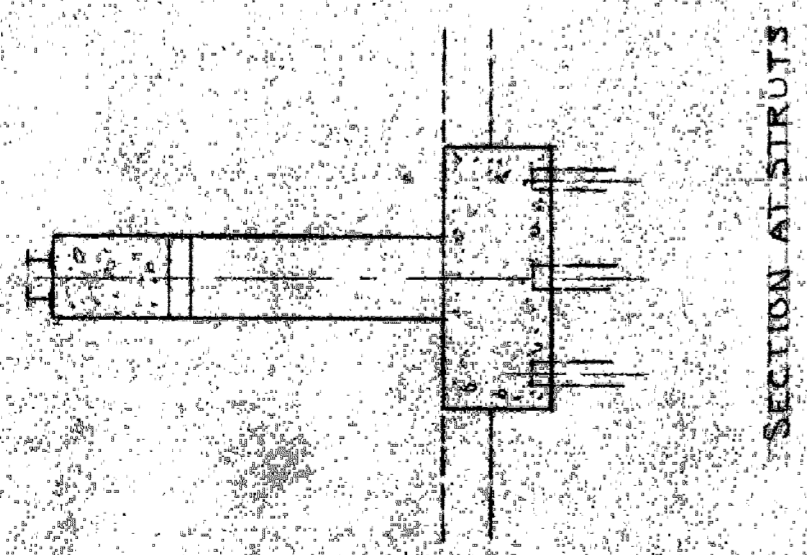
ELEVATION OF CENTER PIER FOR MAINLINE BRIDGE
 SCALE 1/8"=1'-0"



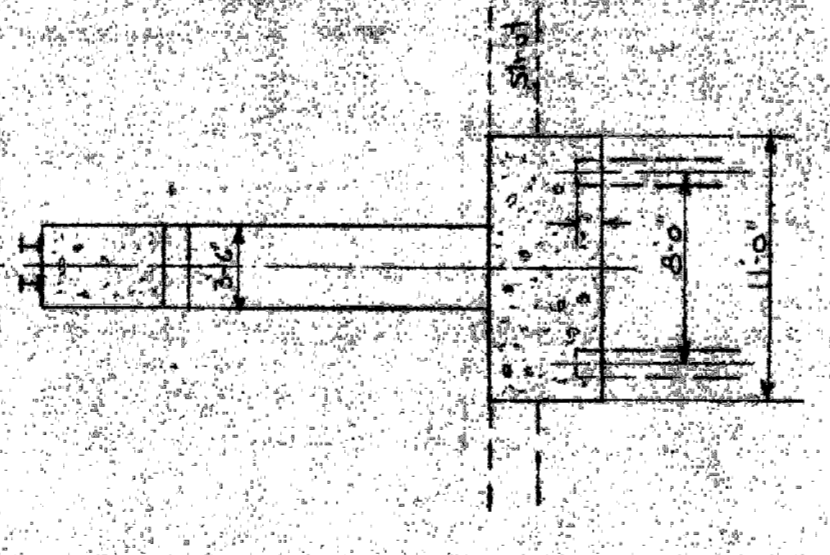
ELEVATION OF CENTER PIER FOR BRIDGE
 SCALE 1/8"=1'-0"



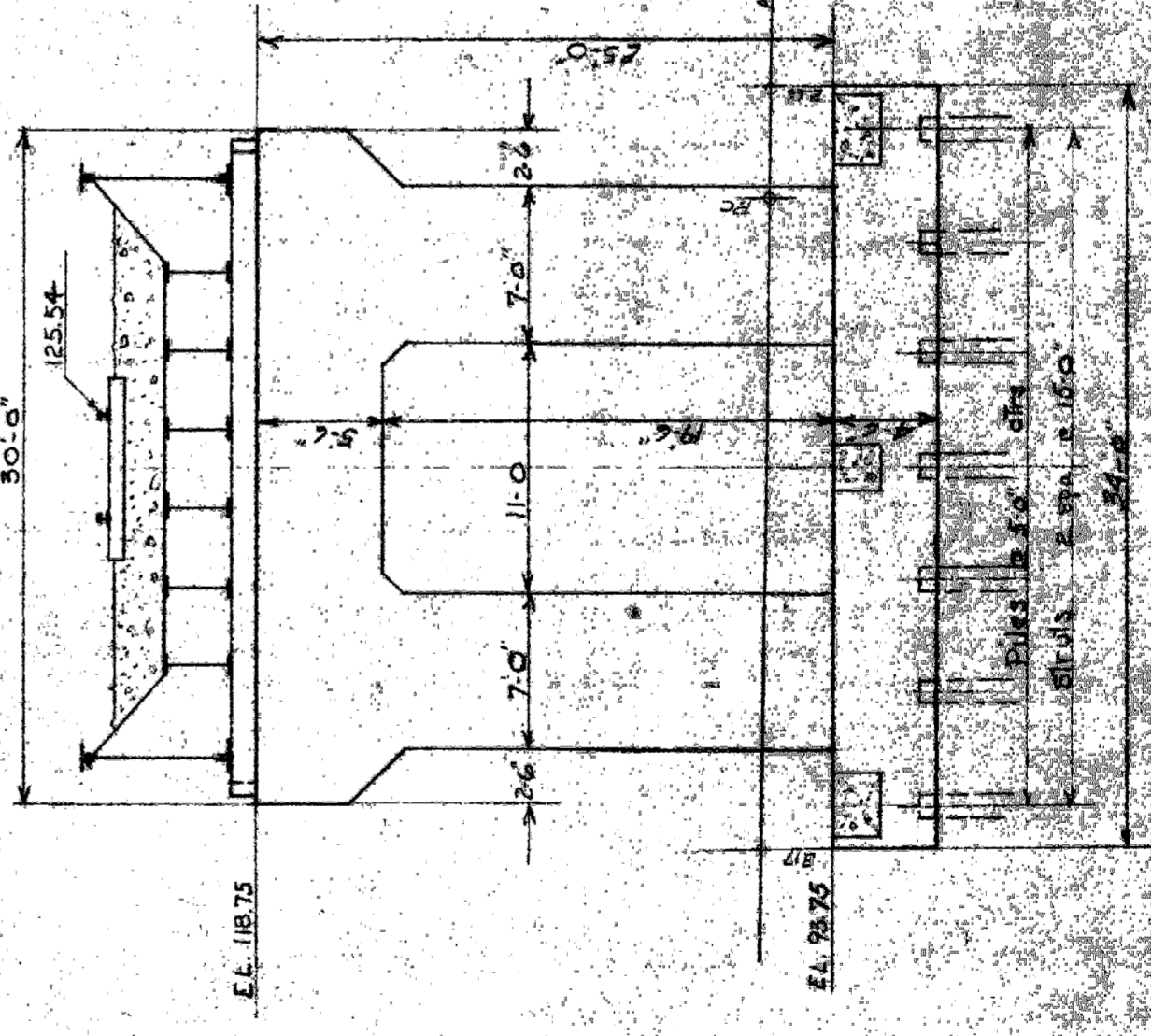
TYPICAL SECTION BETWEEN STRUTS



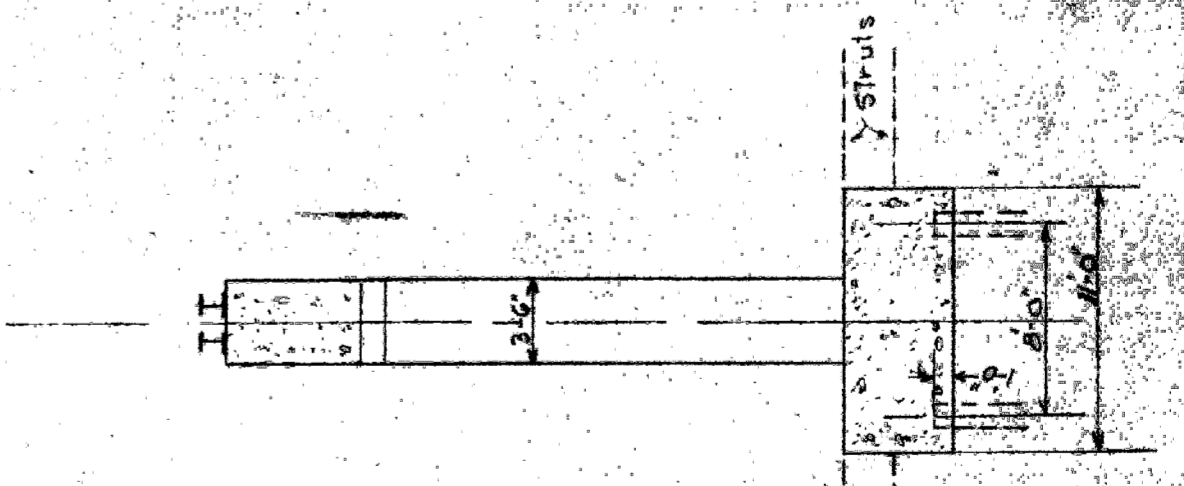
SECTION AT STRUTS



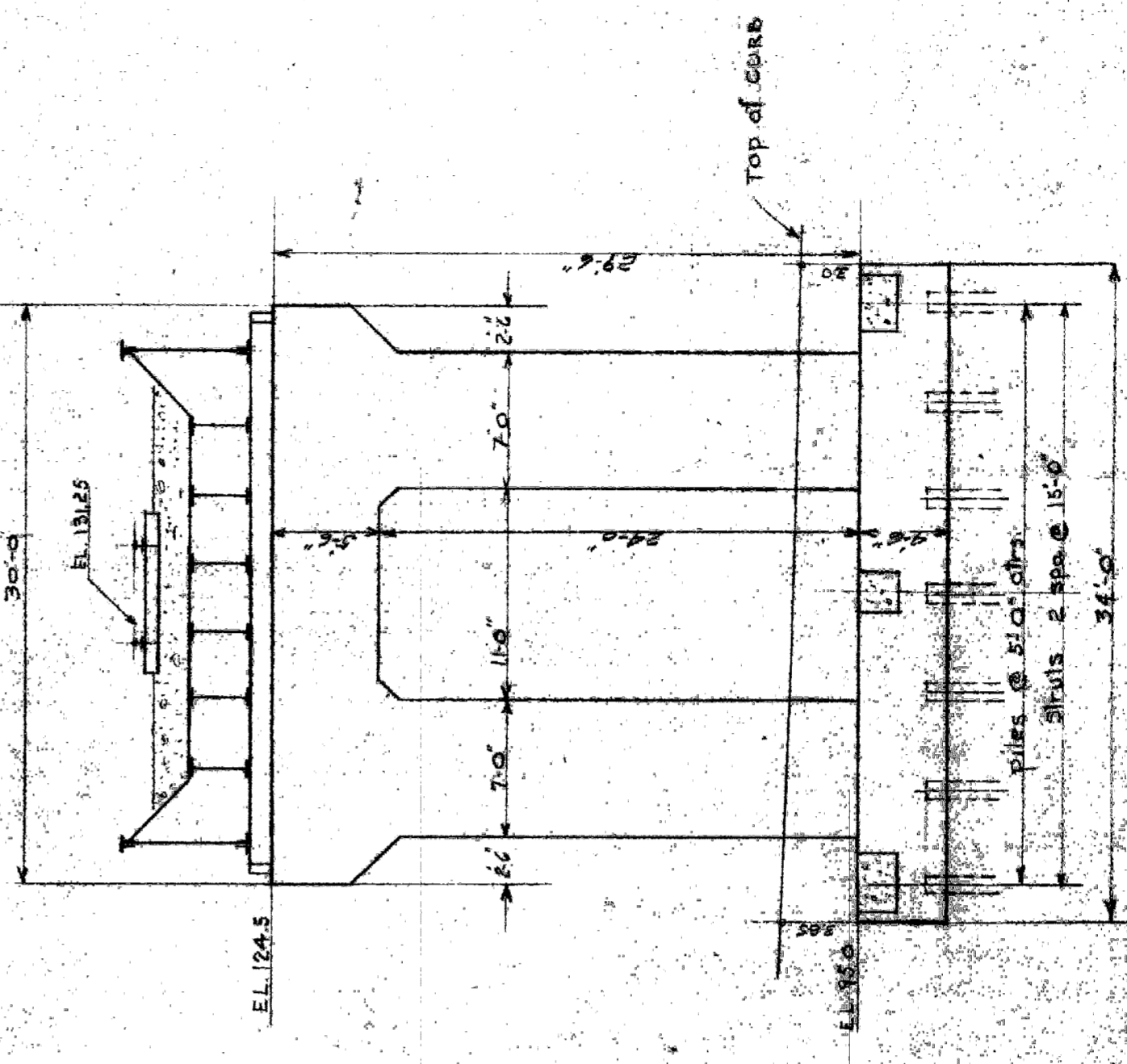
TYPICAL SECTION



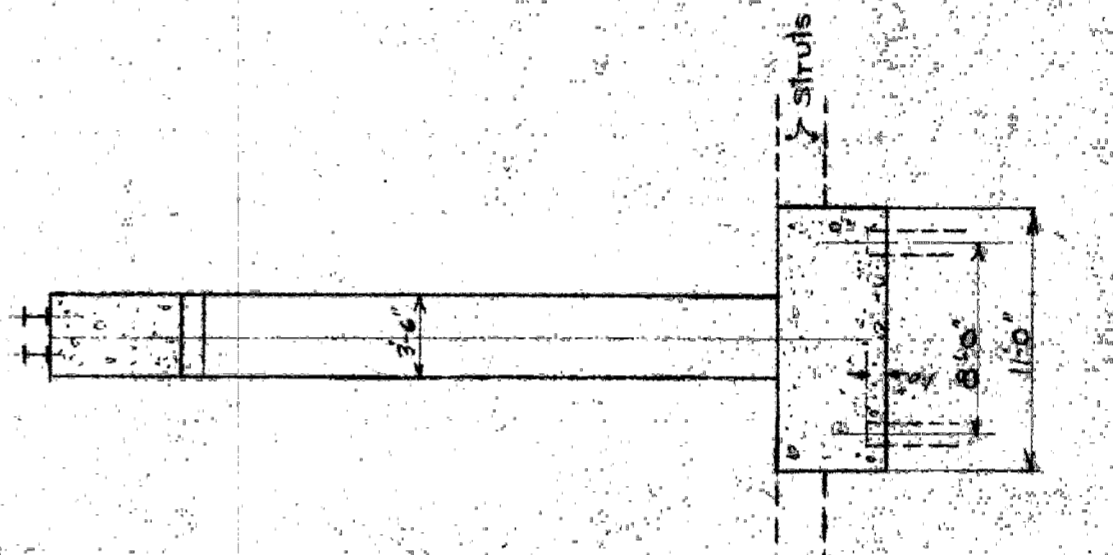
ELEVATION OF CENTER PIER FOR BRIDGE
 SCALE 1/8"=1'-0"



TYPICAL SECTION



ELEVATION OF CENTER PIER FOR BRIDGE
 SCALE 1/8"=1'-0"



TYPICAL SECTION

NOTE
 ALL PILING TO HAVE POINT BEARING
 AT ABOUT ELEV 20'-0"

**FOR OFFICE
 USE ONLY**

SHEET 5 OF 5 SHEETS JOB NO. 45 DRAWING NO. X-712 DATE JULY 26, 1945		GRADE SEPARATION LONNYO AVE & M.C.R.R. (N.Y.C. R.R.) PRELIMINARY PLAN CENTER PIERS - ELEVATIONS & SECTIONS SCALE AS SHOWN	
CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE		APPROVED E. F. WALLACE E. F. WALLACE	
PREPARED BY DRAWN BY		CHECKED BY DATE	

LONNYO 7-26-45