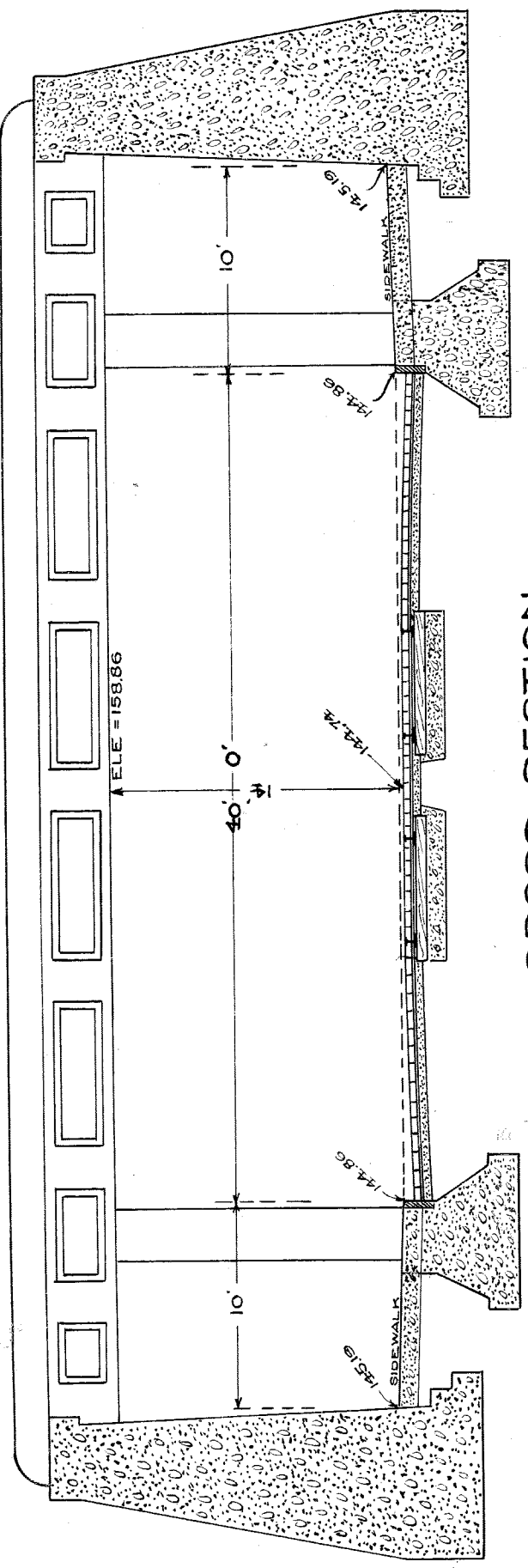
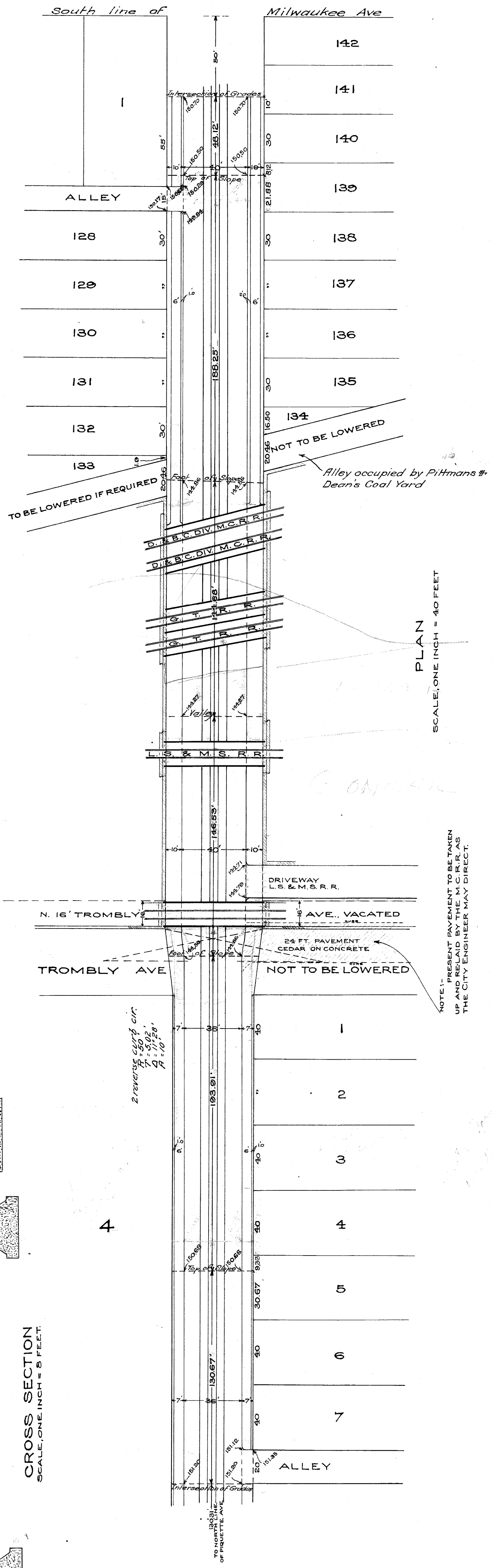


PROPOSED SUBWAY IN
BEAUBIEN ST.
 UNDER D. & B. C. DIV., M. C. R. R.,
 L. S. & M. S. R. R. & G. T. R. R.

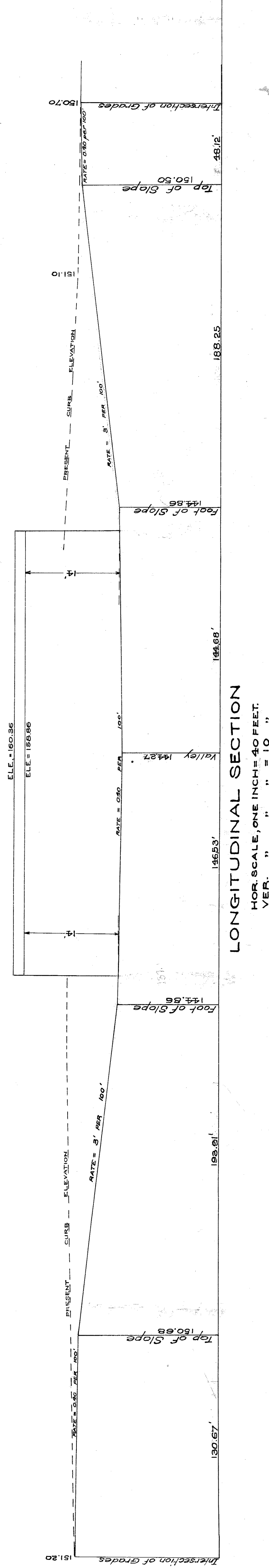


CROSS SECTION
 SCALE, ONE INCH = 8 FEET.



PLAN
 SCALE, ONE INCH = 40 FEET

NOTE: - PRESENT PAVEMENT TO BE TAKEN UP AND REPLACED BY THE M. C. R. R. AS THE CITY ENGINEER MAY DIRECT.



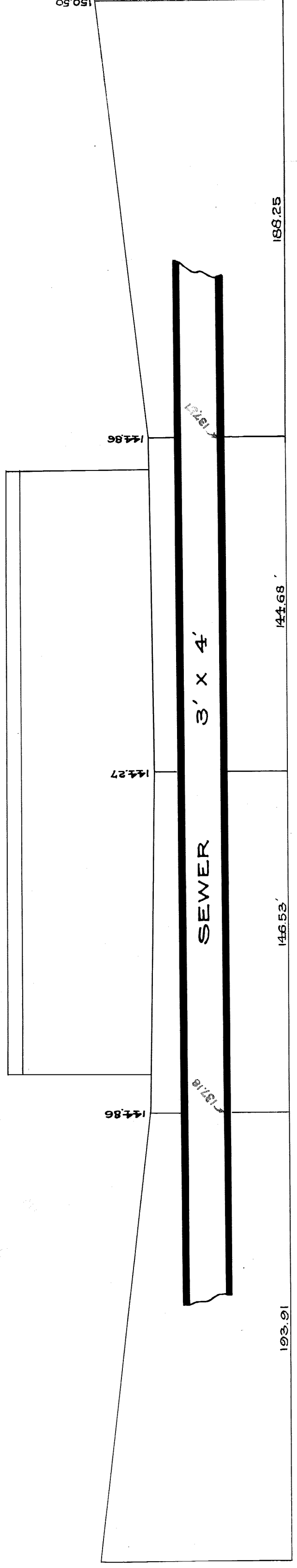
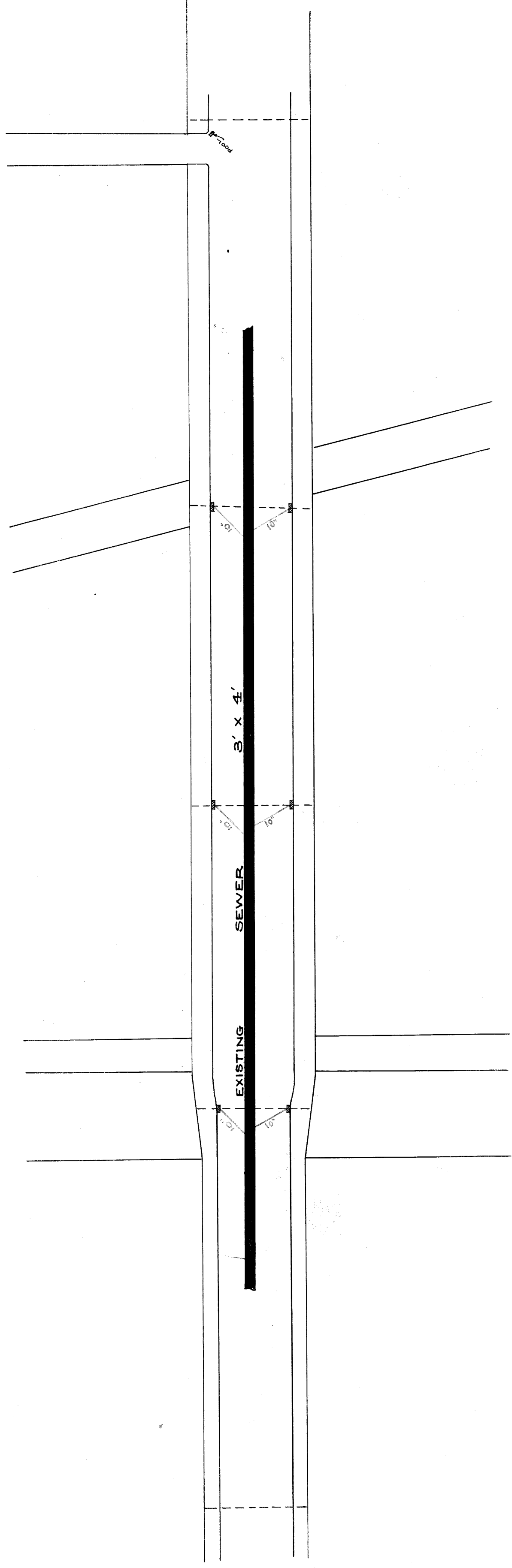
LONGITUDINAL SECTION
 HOR. SCALE, ONE INCH = 40 FEET.
 VER. " " = 10 "

Approved: April, 1910
[Signature]
 City Engineer
 Chief Engineer M.C.R.R.

CITY ENGINEER'S OFFICE
 GRADE SECTIONS
 Code A
 Drawn by John J. 31, 1909.

CITY ENGINEER'S OFFICE.
 File XU 90-1

DRAINAGE PLAN
FOR
PROPOSED SUBWAY IN
BEAUBIEN ST.

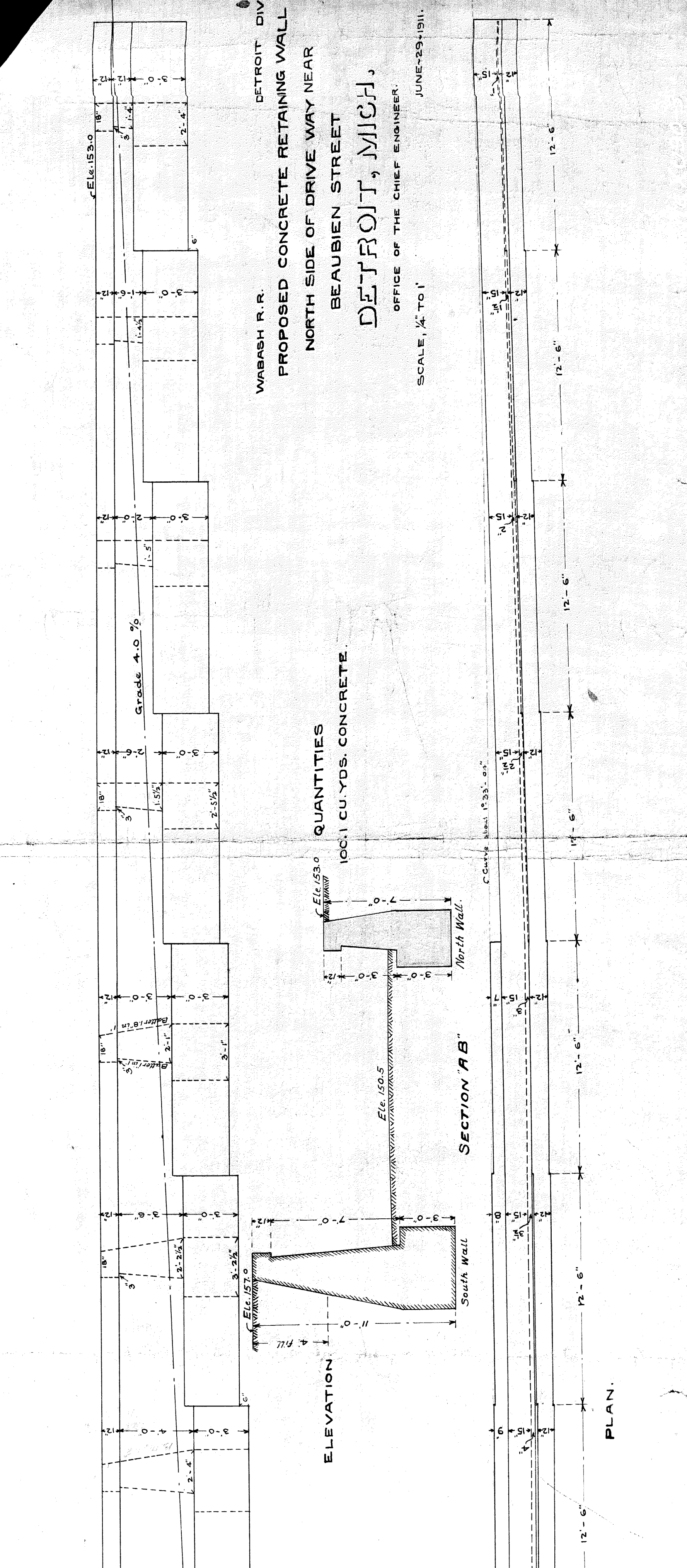


HOR SCALE, ONE INCH = 40 FEET.
VER. " " = 10 " "

CITY ENGINEERS OFFICE
ENGINEERS & ARCHITECTS

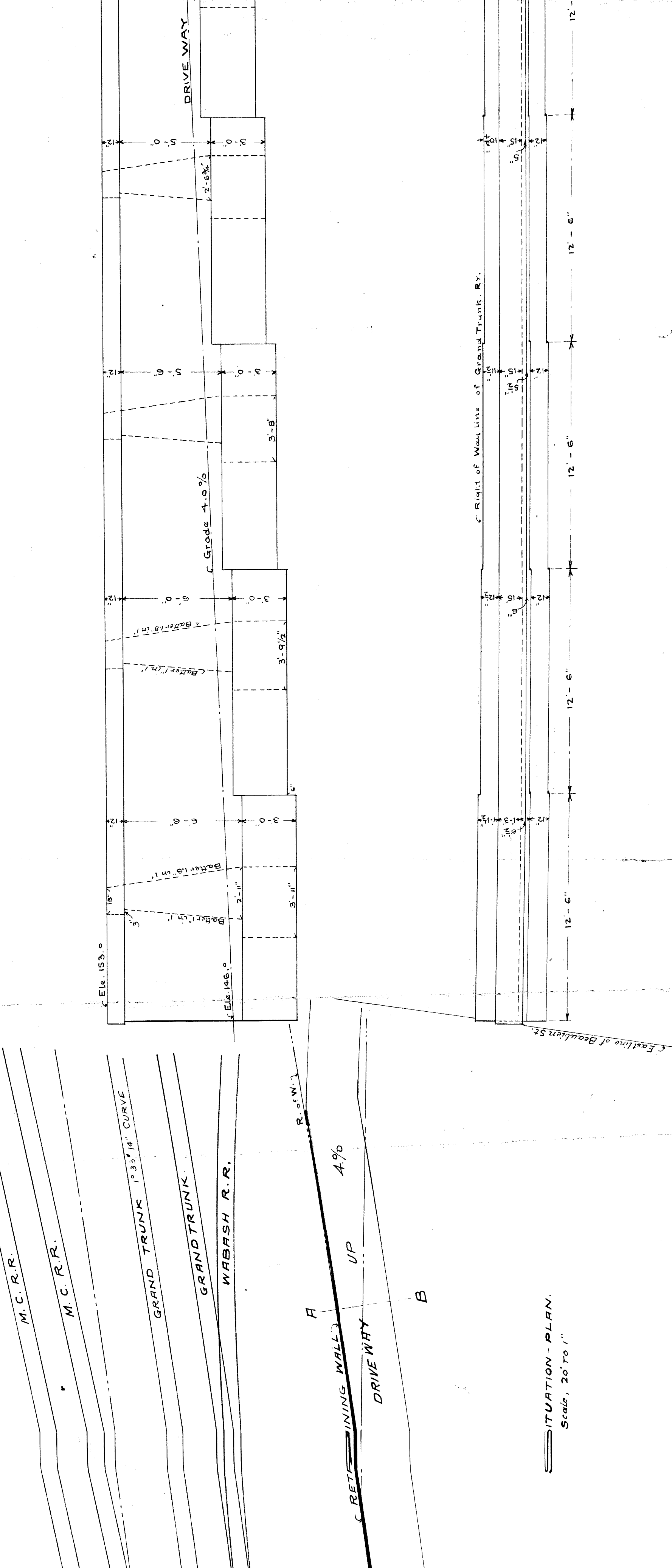
Case A Sheet 4 of 5-6

Drawn by J.W. Reid, Jan. 8, 1910.

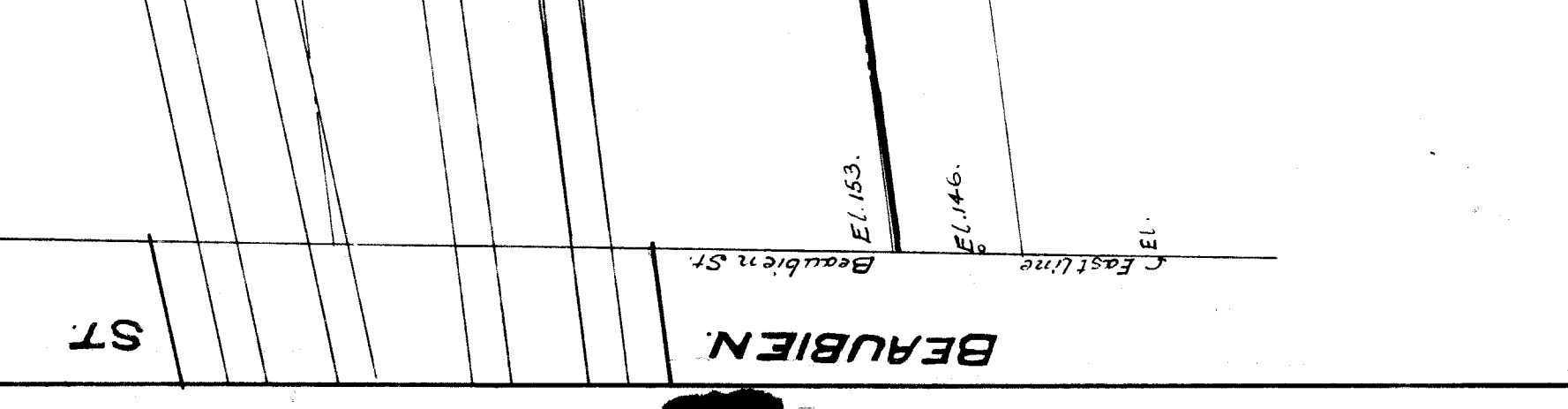


QUANTITIES
100.1 CU. YDS. CONCRETE.

WABASH R.R.
DETROIT DIV.
PROPOSED CONCRETE RETAINING WALL
NORTH SIDE OF DRIVE WAY NEAR
BEAUBIEN STREET
DETROIT, MICH.
OFFICE OF THE CHIEF ENGINEER.
JUNE-29-1911.
SCALE, 1/4" TO 1'

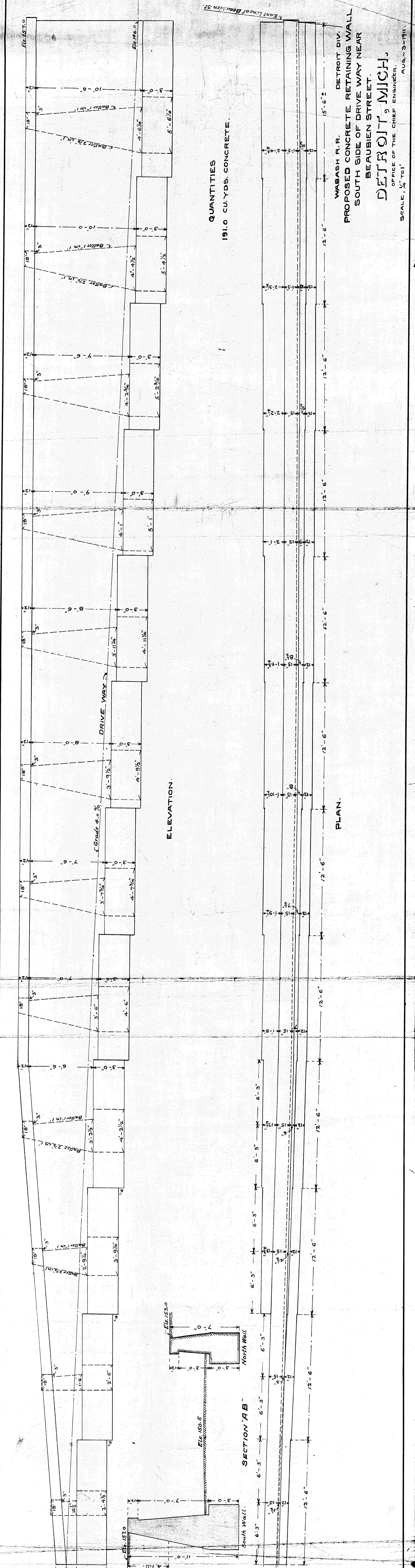
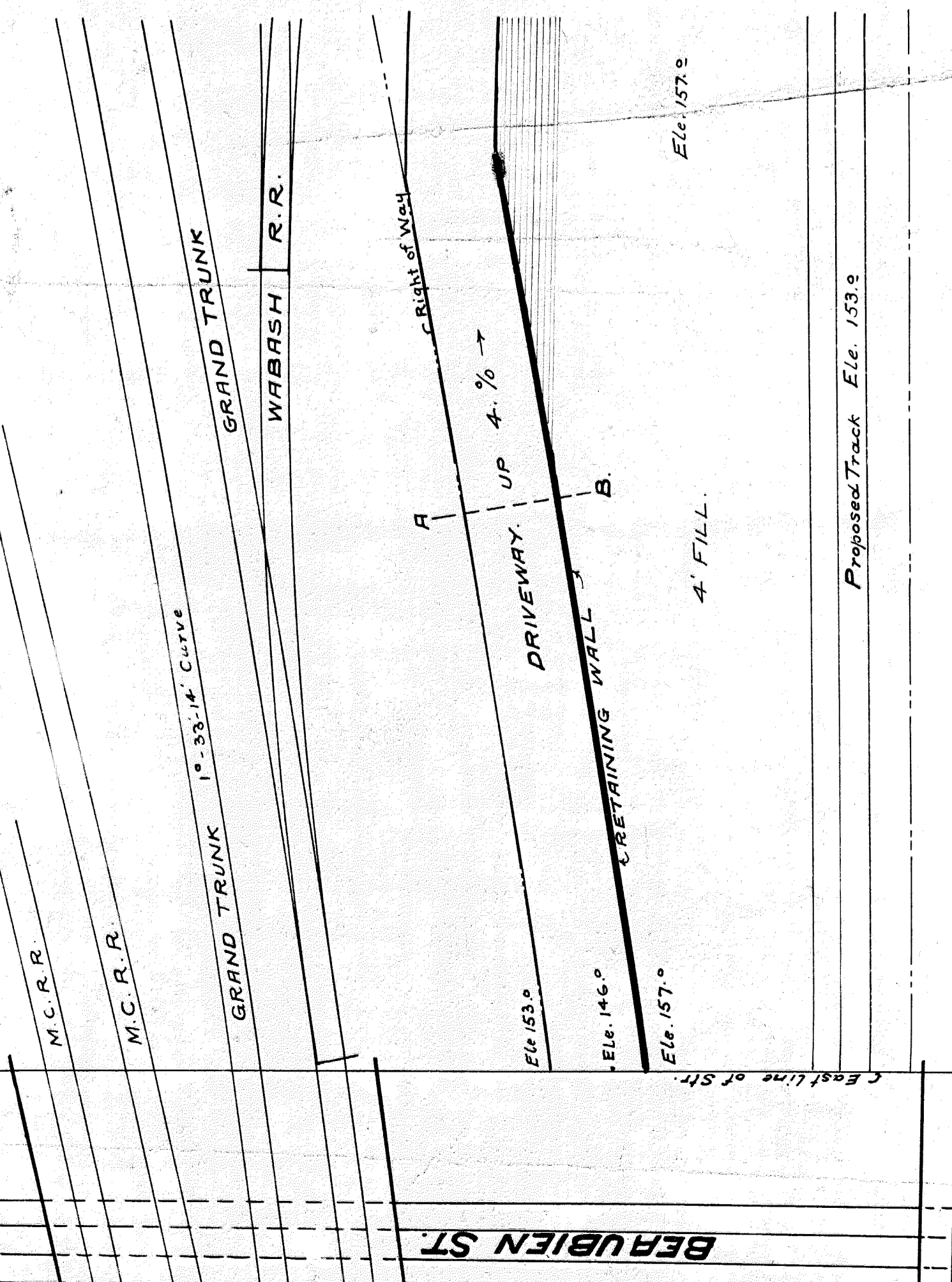


SITUATION PLAN.
Scale, 20' to 1"



BEAUBIEN ST.
Elev. 153.0
Elev. 146.0
C Eastline of Beaubien St.
C Right of Way line of Grand Trunk R.R.
C Curve about 1033.14'

BEAUBIEN ST.



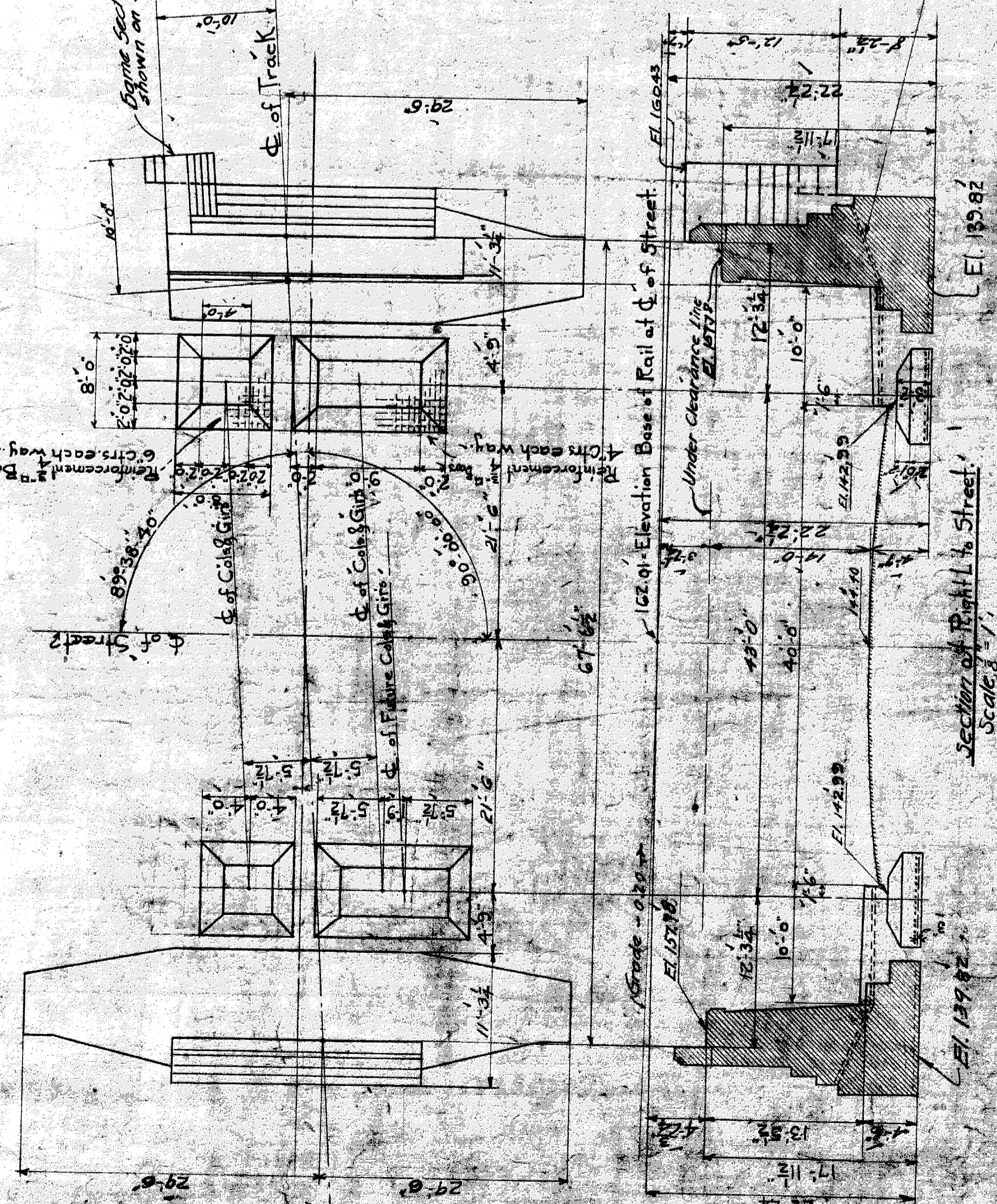
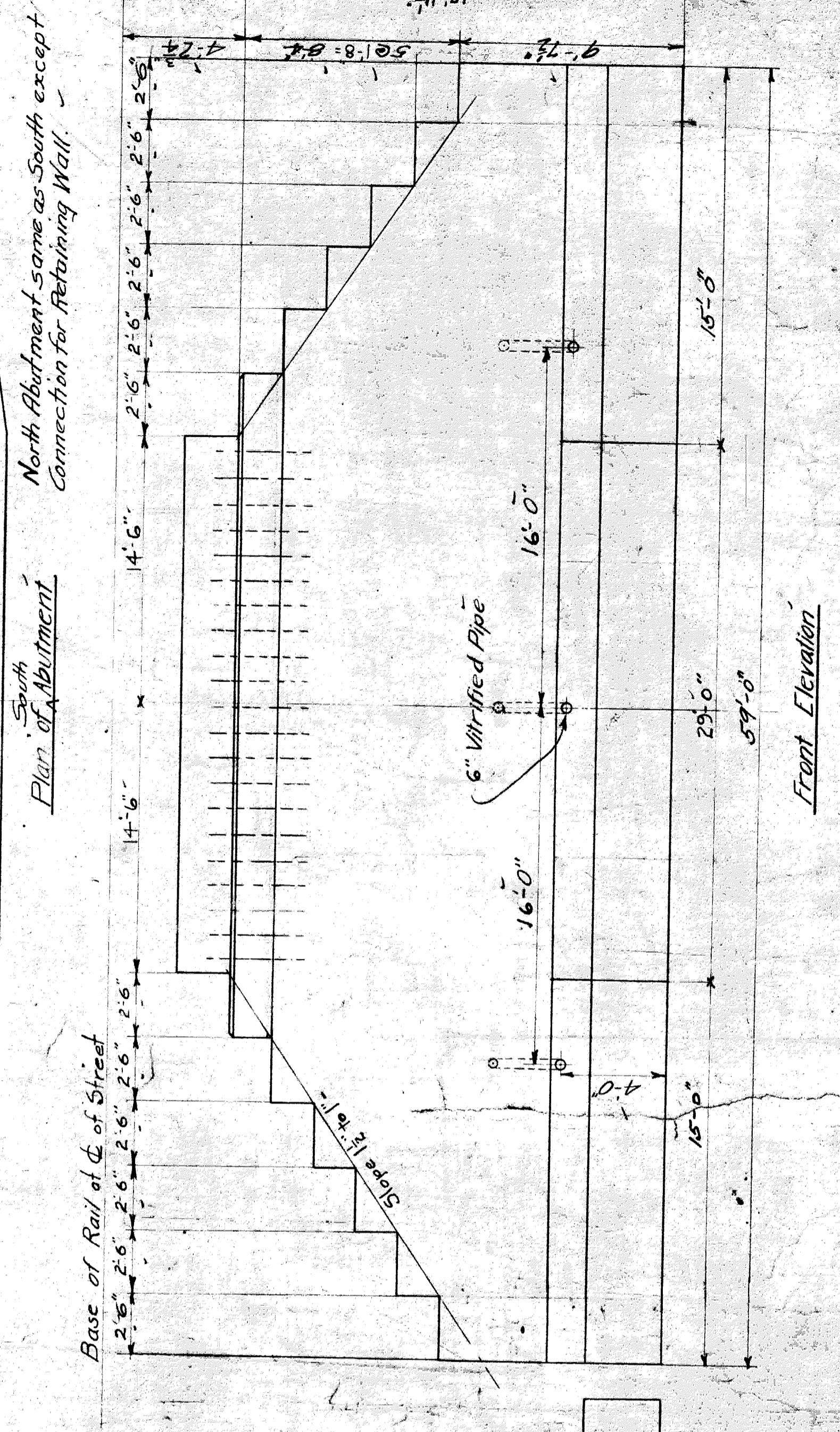
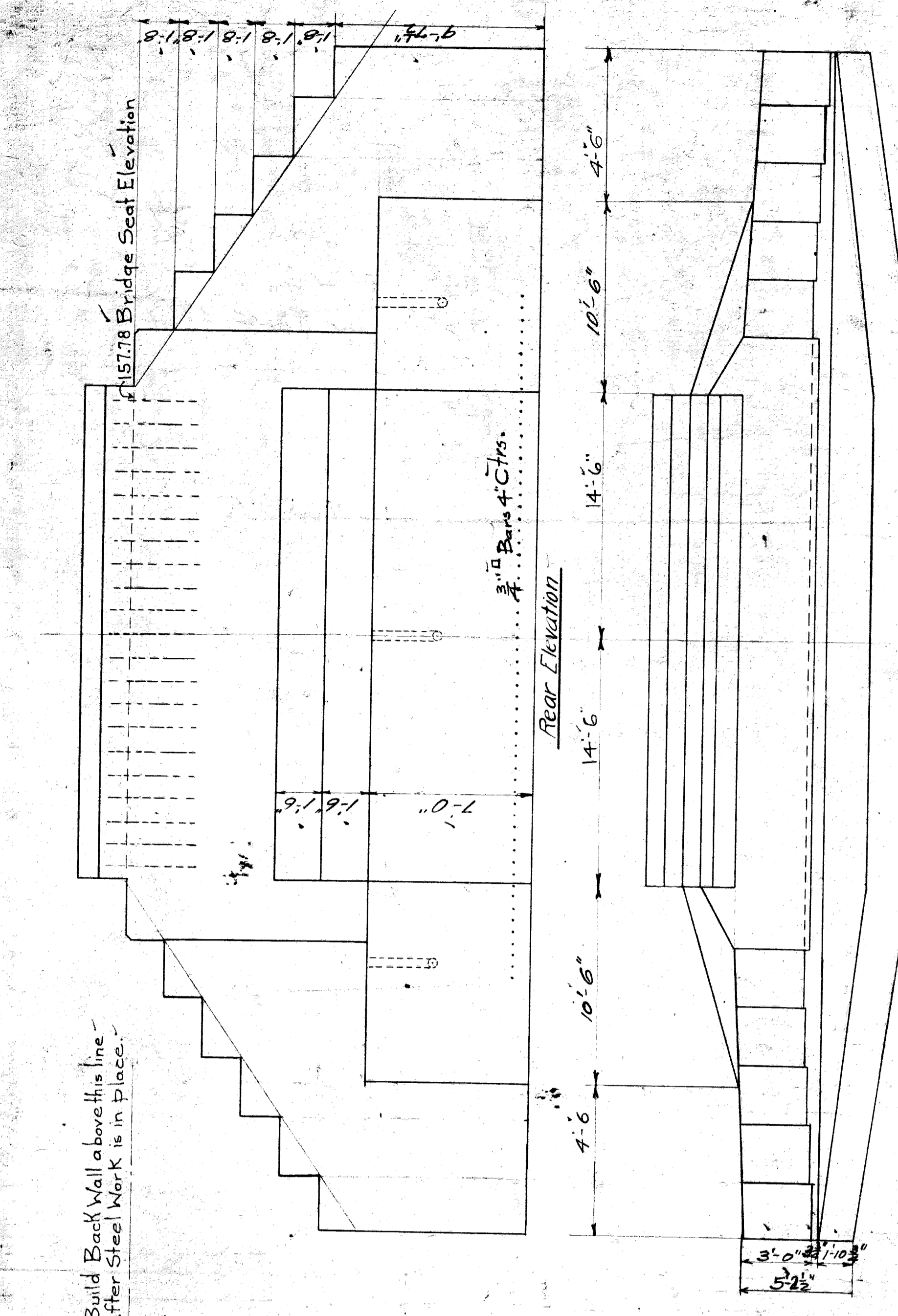
WABASH R. R. DETROIT DIV.
 PROPOSED CONCRETE RETAINING WALL
 SOUTH SIDE OF DRIVE WAY NEAR
 BEAUBIEN STREET.
DETROIT, MICH.
 OFFICE OF THE CHIEF ENGINEER.
 SCALE, 1/4" TO 1' AUG. 23-1911.

Notes:
 Carry masonry down as shown or as much farther as necessary to reach firm material.
 All exposed surfaces to have a dense, smooth and hard finish.
 Chamfer all exposed edges.
 Back wall above Bridge Seat Elevation to be built after Steel Work is in place.

Bill of Concrete

Mixture	Cu. Yds.	Cement	Sand	Stone
1-3-6	400	1760	5640	3700 Cu. Yds.
1-2-4	40	250	100	36 Cu. Yds.

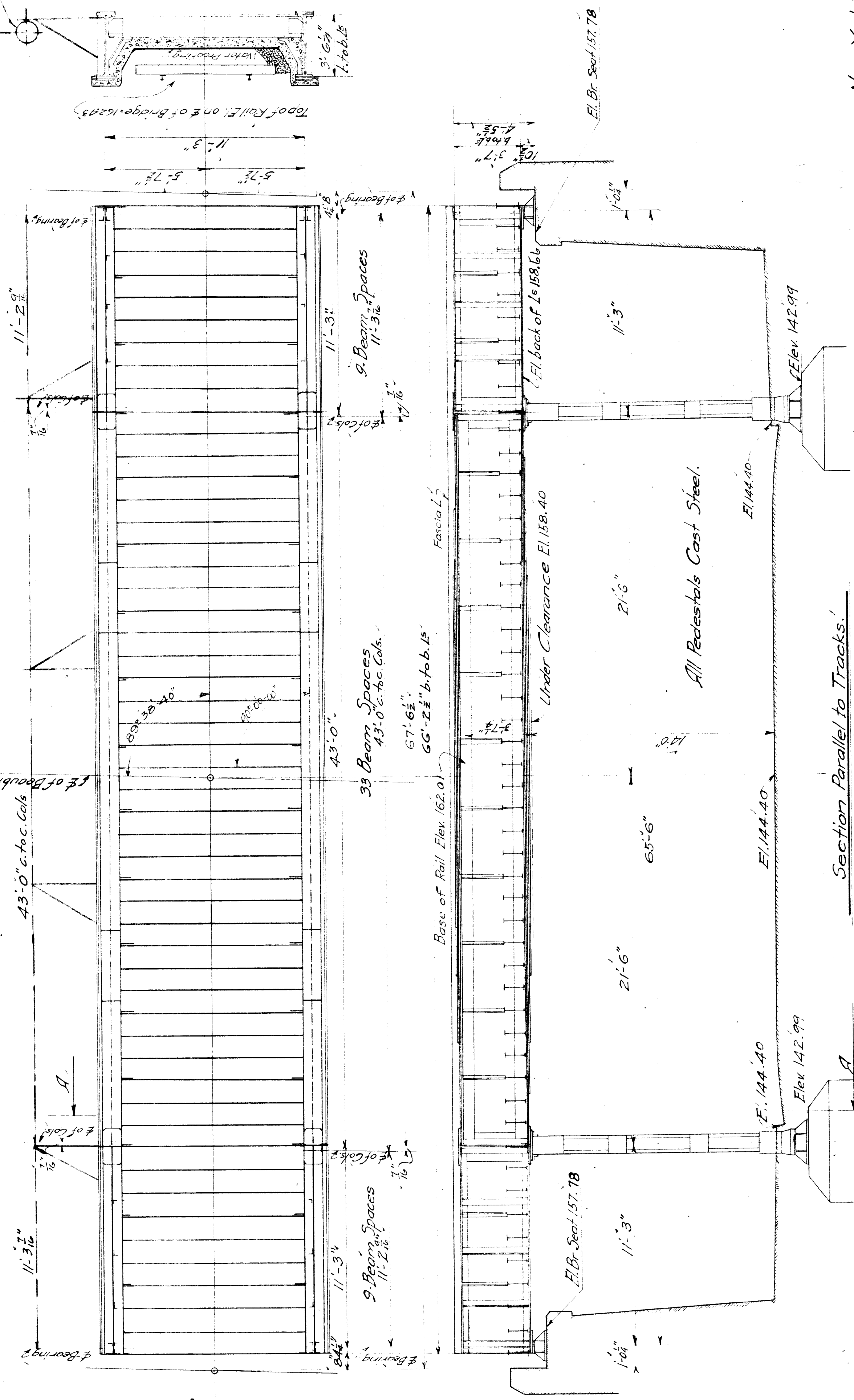
Bill of Steel:
 220-3 square corr. reinforcing bars, 8'-0" long.
 140 " " " " " " 7'-6 " "
 46 " " " " " " 12'-6 " "
 58 " " " " " " 4'-0 " "
 55 " lin. ft. of 6" vitrified pipe



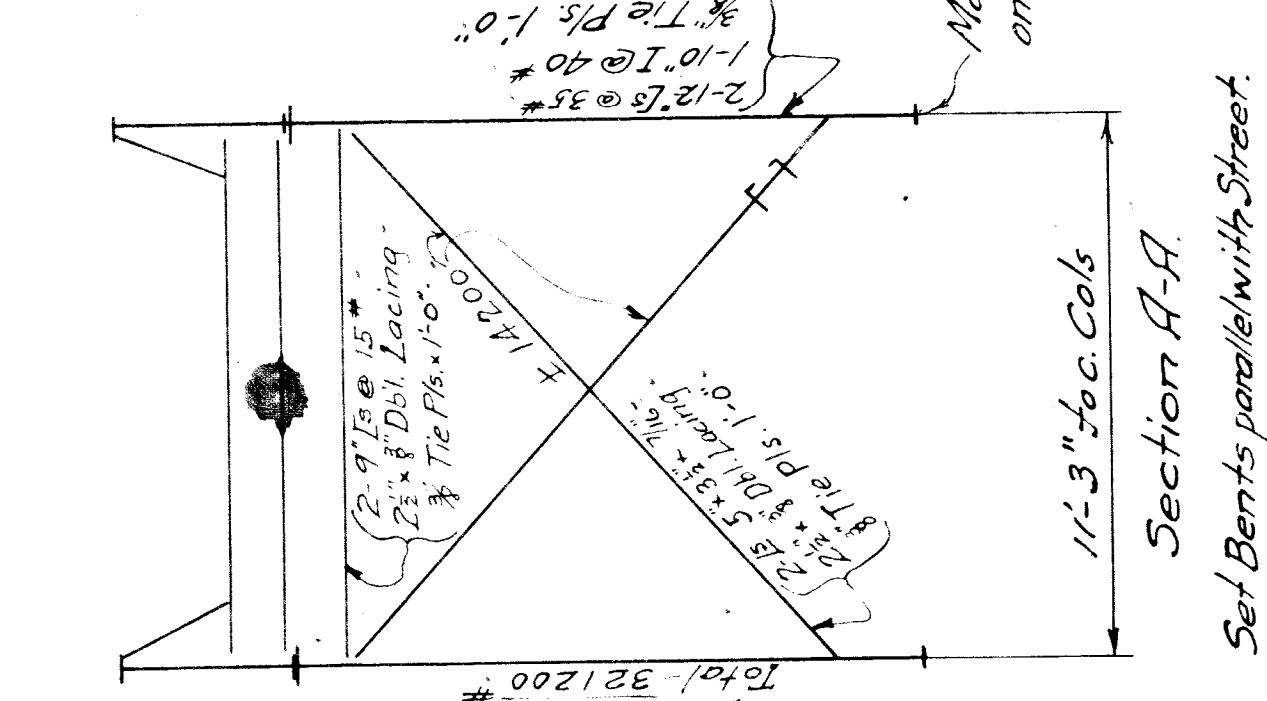
Note:
 Care must be taken that concrete does not get inside of pipe during construction.
 All broken stone ground drain at back of Abutment.

Revised Plans
 L.S. & M.S. Ry. Bridge Dept. S. Rowell, C.E.
 Bridge No. Detroit Br.
 Over Beaubien St. Detroit
 Masonry Plan
 Sheet 1 of 1
 Scale: 1/8" = 1'-0" Date: 7/1/10

of C.C. file for 103 KV. Line by
the Detroit Edison Co.
Placed - Oct. 1929.



Section of
Main Girders on E. of Bridge.



Section A-A.
Self Bernis parallel with Street.

Make Cast Steel Base 1'-8 1/2" x 3'-0"
on bottom.

Wind = 9200 #
DL = 80000
LL = 125000
I = 107000
Total = 321200 #

New York Central Lines Specifications for Steel Railroad Bridges
of 1910.

~~Eastern Shore of Michigan Southern Railroad Specifications of 1904~~
~~for similar structures~~

Rivets $\bar{\bar{e}}$ except where noted.
Erection by L. S. & M. S. Ry.
Add 8 # lamp black to each gallon of shop paint.
Unit Stresses used ^{except for tension} in excess of shear

Side Main Girders 11'-3" c-to-c. Designed for F. 50 L.L.
Moment D.L. 700000 #
L.L. 930000
Imp. 811000
Total 2441000

Top Flg { 1 - Corpl. 14" x 3/4" x 23'-0" l.y.
1 - Corpl. 14" x 3/4" x 30' l.y.
2 - 8" x 8" x 1/2" x Full length
Bot. Flg { 1 - Corpl. 14" x 3/4" x 23'-0" l.y.
1 - Corpl. 14" x 3/4" x 30' l.y.
2 - 8" x 8" x 1/2" x 36'-6"

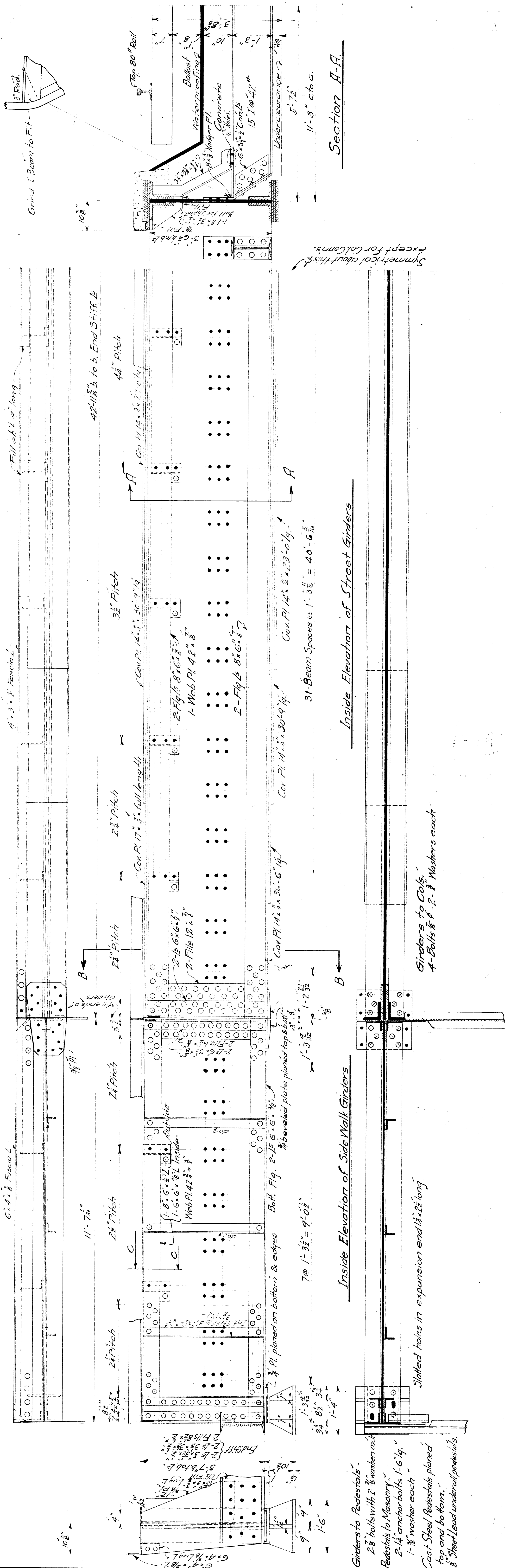
Shear D.L. 65000
L.L. 100000
Imp. 87000
Total = 252000

Side Main Girders 11'-3" c-to-c. Designed for F. 50 L.L.
Moment D.L. 45000
L.L. 87000
Imp. 84000
Total = 216000

42" x 8" Web with Stiff. Ls. -
End Riv. Pitch 2 1/2"
Rest 3" Pitch.

Shear D.L. 16000
L.L. 42000
Imp. 40000
Total = 98000

42" x 8" Web with Stiff. Ls. -
End Riv. Pitch 2 1/2"
Rest 3" Pitch.



Section A-A

Inside Elevation of Street Girders

Inside Elevation of Side Walk Girders

Section B-B

Section C-C

Girders to Pedestals -
 2-3 bolts with 2-3 washers each
 Pedestals to Masonry -
 2-1/2 anchor bolts 1-6" lg.
 1-3/8" washer each.
 Cast Steel Pedestals planed
 top and to form.
 8 Sheet Lead under pedestal.

Slotted holes in expansion end 14 1/2" long.

Girders to Cols.
 4-Bolts 5/8" 2-3 Washers each

Symmetrical about this
 except for columns.

Note - For details of Gols. and Col. Pedestals, see sheet No. 2 of E.
 Drawing No. B-3869 of Aug. 8, 1910. (Bruit St. Bridge, Detroit Mich.)

L.S. & M.S. Ry. Bridge Dept. S. Rackwell, C.E.
 Bridge No. Detroit Division
 Over Beaubien Street
 Detroit, Michigan.
 Sheet No. 2 of 2.
 Scale 1/4" = 1'-0" Aug. 29, 1910. Draw. No. B-3869

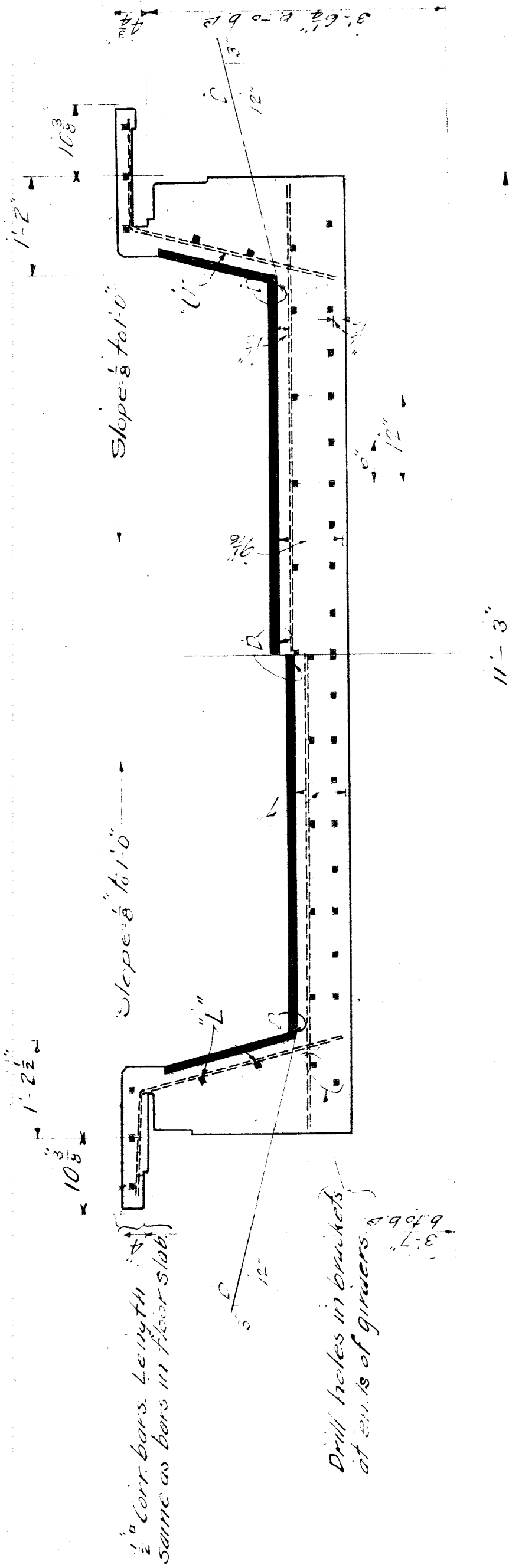
File XU 90-7

Bill of Material (Utracen)

- Concrete
 32 cu. yds. concrete 1-2-4 Mix
 50 lbs. cement
 14 cu. yds. sand
 28 cu. yds. crushed stone (70)
 Waterproofing
 800 sq. ft. of
 Steel
 80- 1/2" corr. bars 30-0/4 (long)
 40- 1/2" corr. bars 15-0/4
 70- 1/2" corr. bars 7-6/4 (transverse)
 168- 3/4" corr. bars 3-9/4 (upright)
 These bars can be cut from 137-30 lbs.

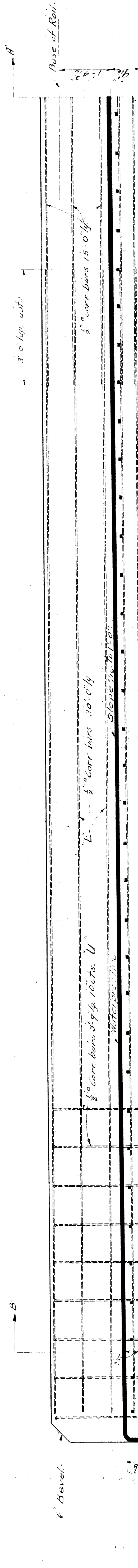
Note

Chamber all exposed edges.
 Fasten upright bars U to L.
 Floor slab below line D-D must be completed
 in one continuous operation, whenever
 a part of the concreting is finished and
 allowed to stand for any length of time,
 on joining with new concrete the joint
 must be thoroughly cleaned, saturated
 with concrete, and then thoroughly
 wetted and slushed with rich cement
 mortar before proceeding with new
 concreting.



Enlarged Section B-B

Enlarged Section A-A



Tar paper joint

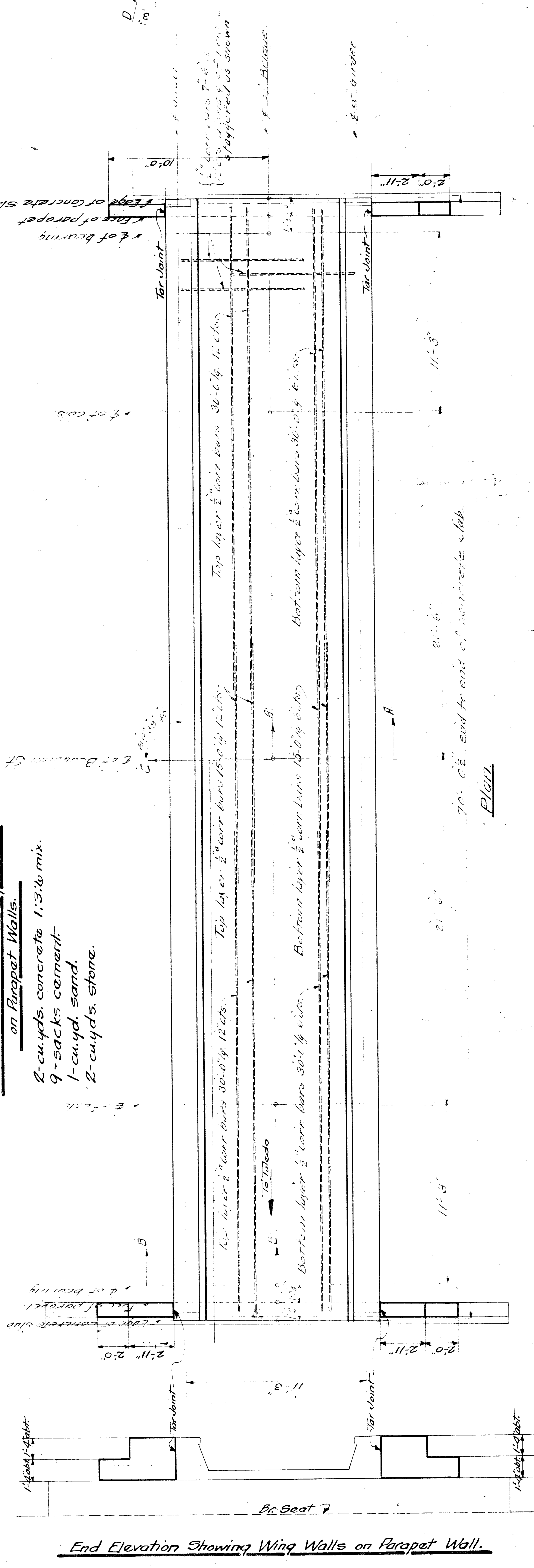
65'-0" c/c bearings

70'-0" end to end of concrete slab

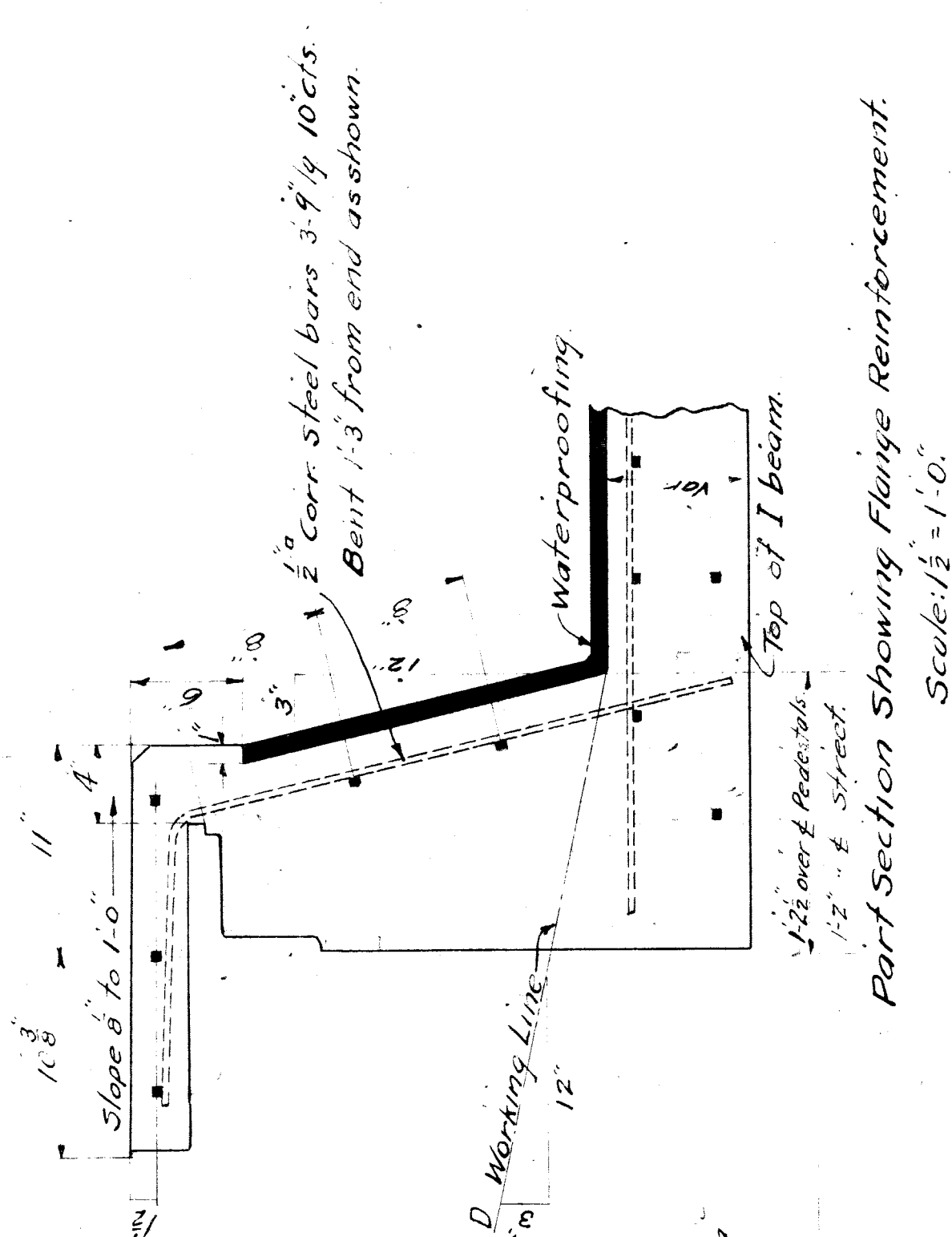
Enlarged Section C-C

Bill of Material for Wing Walls on Parapet Walls.

- 2-cu. yds. concrete 1:3:6 mix.
 9-sacks cement
 1-cu. yd. sand.
 2-cu. yds. stone.

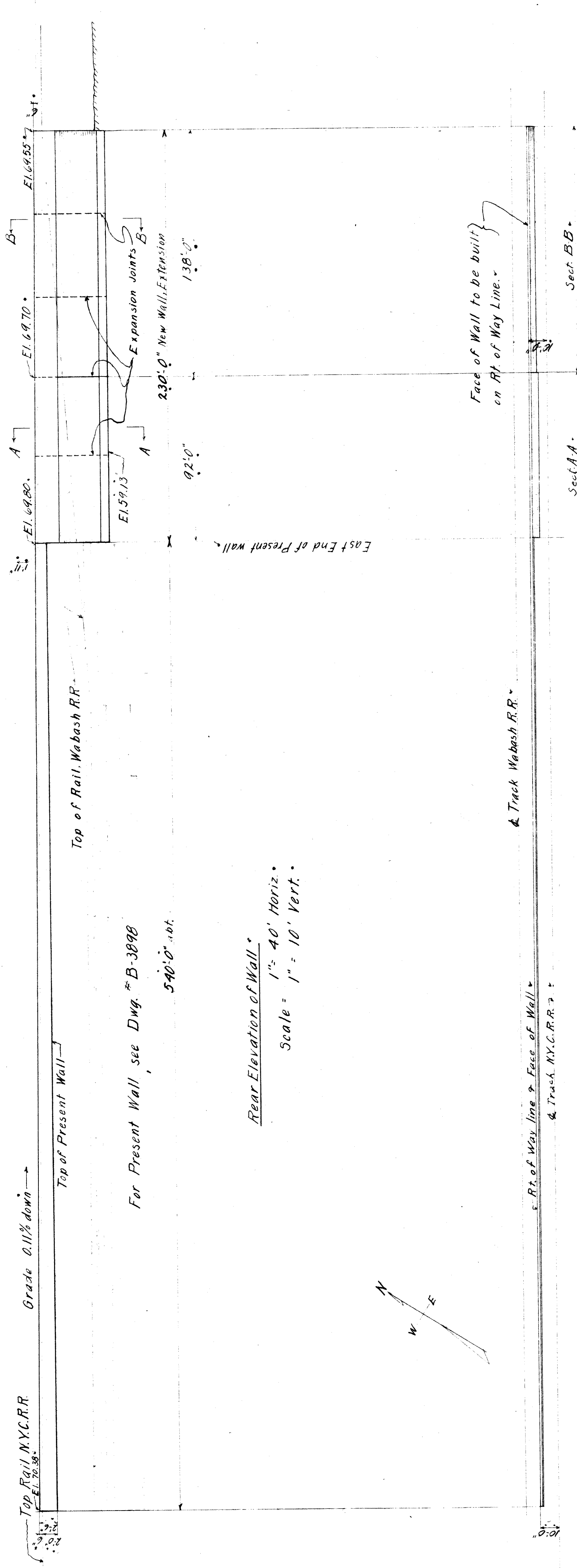


End Elevation Showing Wing Walls on Parapet Wall.



Part Section Showing Flange Reinforcement.
 Scale: 1/2" = 1'-0"

L.S. & M.S. Ry. Bridge Dept. S. Rockwell, C.E.
 Bridge No. Detroit Branch
 Over Beaubien Street
 Detroit, Mich.
 Plan of Concrete Floor Slab
 Sheet 107
 Scale: 1/2" = 1'-0"
 April 3, 1911. Drawn B. J. H. B. C.
 Revised, Aug 12, 1914. File XU 90-8
 B. J. H. B. C.



Top Rail NYC.R.R. Grade 0.11% down
EL. 70.38

Top of Present Wall

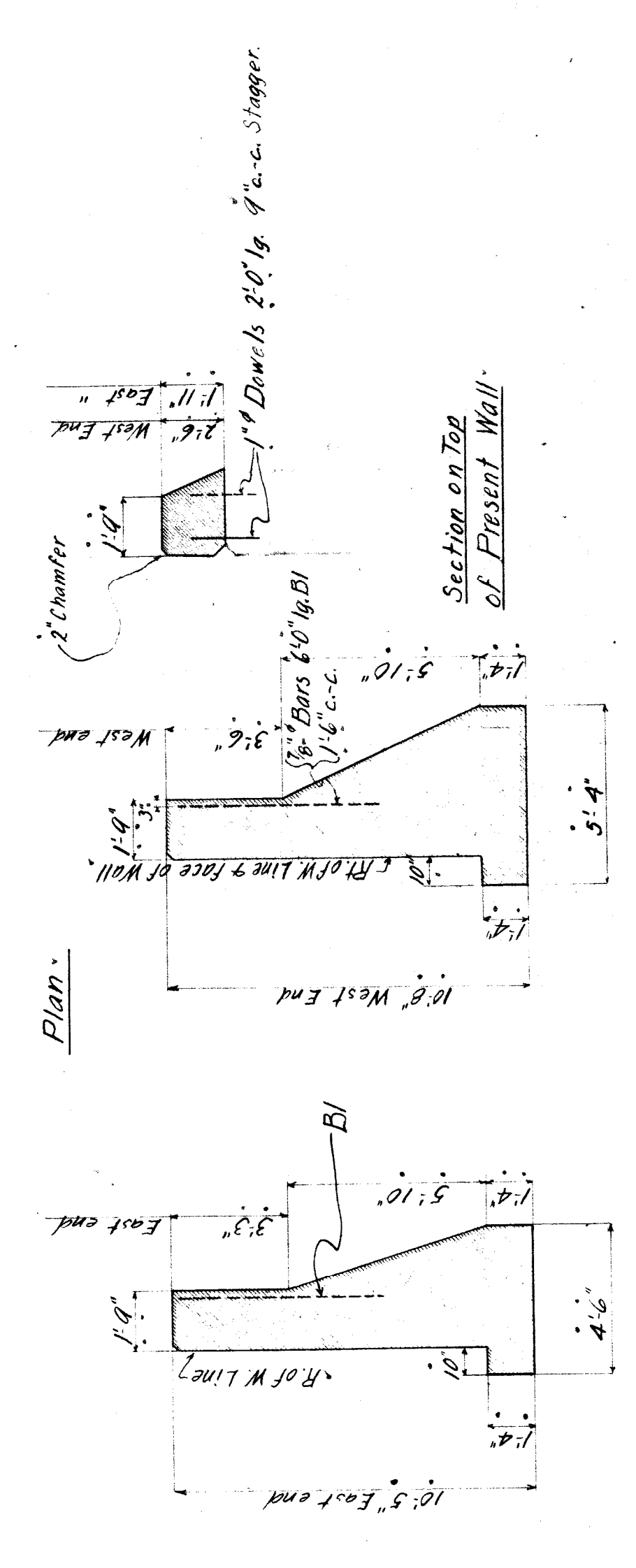
Top of Rail Wabash R.R.

For Present Wall see Dwg. B-3898
540'-0" not

Rear Elevation of Wall
Scale: 1" = 40' Horiz.
1" = 10' Vert.

Face of Wall to be built
on Rt of Way Line.

Section A-A
Section B-B



Plan

Section on Top
of Present Wall

Section A-A

Section B-B

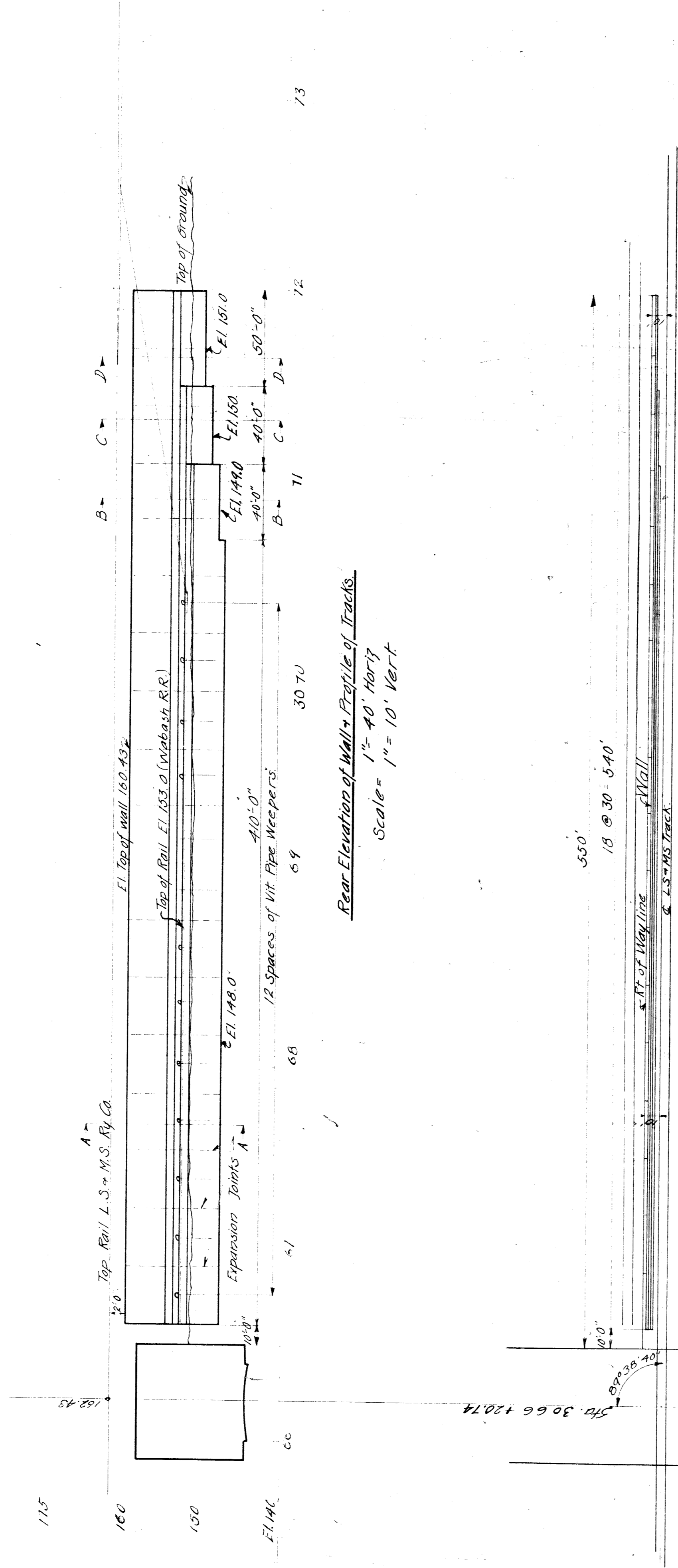
Scale 1/4" = 1'-0"

Bill of Material
Concrete 342 Cu. Yds.
Cement 1710 Sacks
Sand 186 Cu. Yds } Approx.
Stone 247 " " "
Dowels 720 1" x 2'-0"
Bars 154 1/4" x 6'-0" BI

Note:
N.Y.C. R.R. Specs #3005 Issue A for
Concrete Masonry Supplemented by
instructions B-8410.
Broken Stone Concrete Class E.

NYC.R.R. WEST	BRIDGE DEPT.	R.O. FOTE, C.E.
RETAINING WALL		
BETWEEN NYC.R.R. & WABASH R.R.		
EAST OF BEAUBIEN ST.		
DETROIT, MICH.		
SHEET 10 F 1		
Scale, as noted	July 13, 1928	No. B-8185

File XU 90-9
Pg. 141 Det. Br. #5

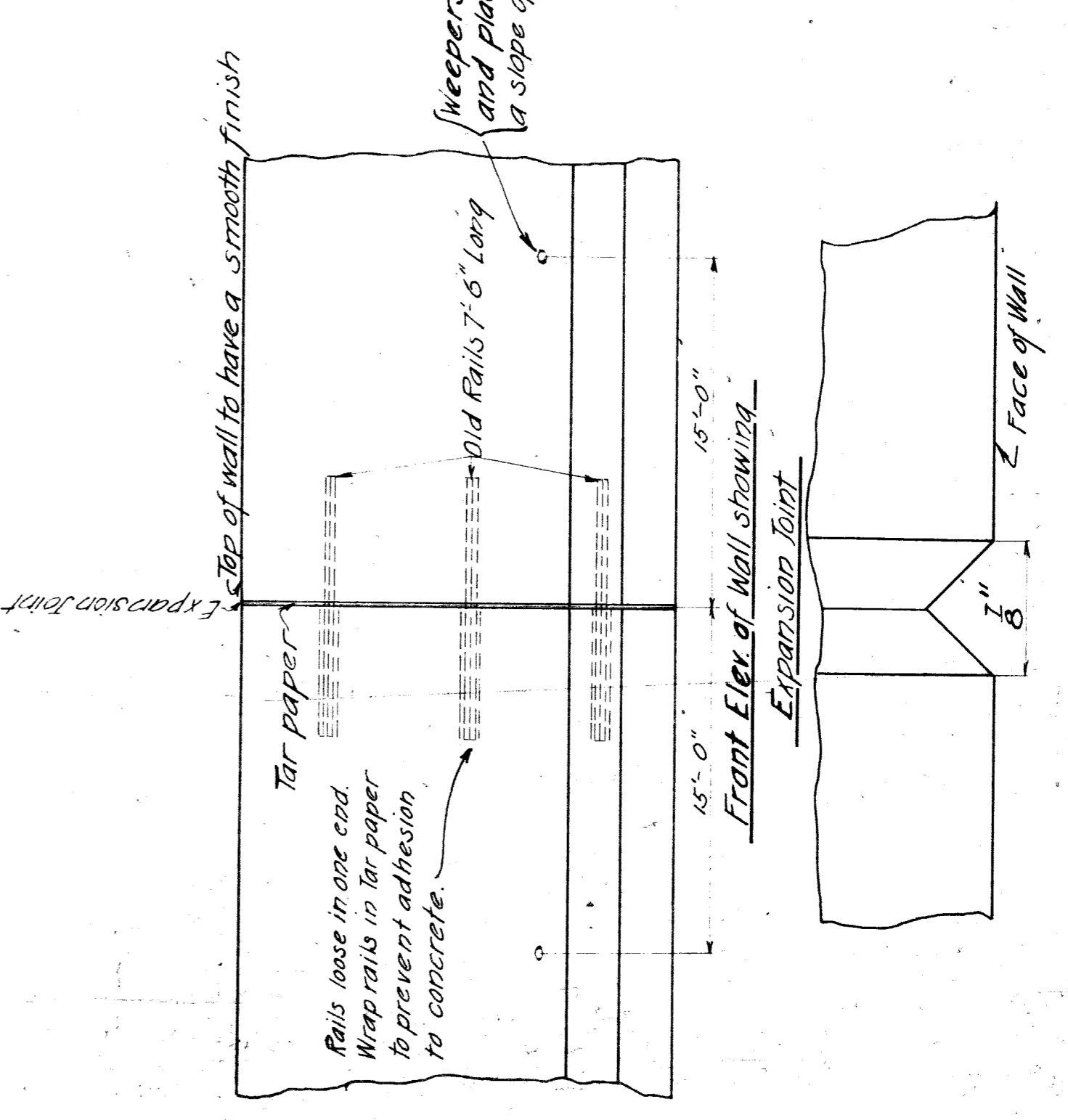


Rear Elevation of Wall & Profile of Tracks
 Scale = 1" = 40' Horiz
 1" = 10' Vert

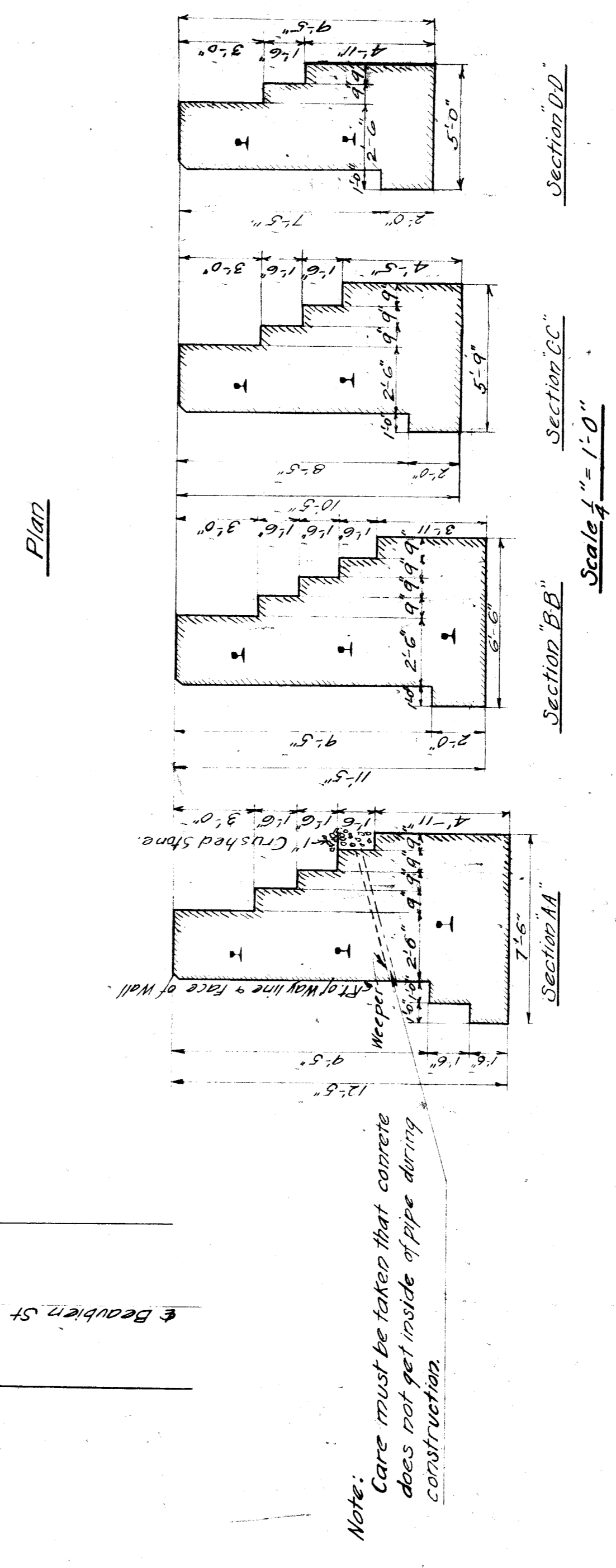
Mixture	Cu. Yds.	Cement	Sand	Stone
1-3-6	103.0	4575	53acks	485Cu. Yds. 970Cu. Yds.

70 Hk ft of 4" Nitripled Pipe

Notes:
 Chamfer all exposed edges.
 All exposed surfaces to have a dense, hard, and smooth finish.



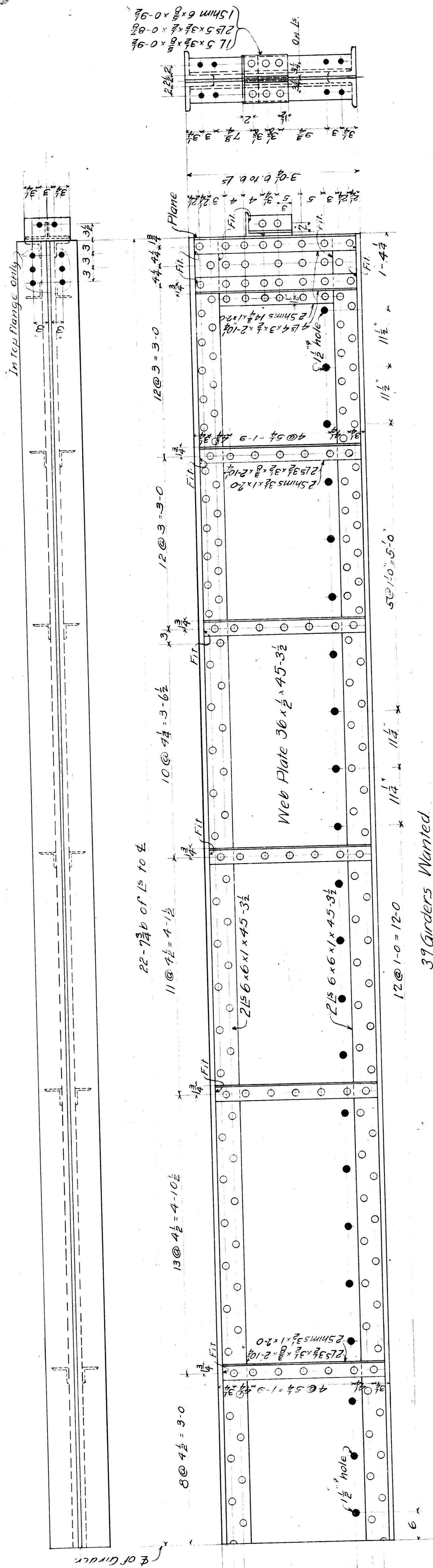
Full sized Detail of Expansion Joint



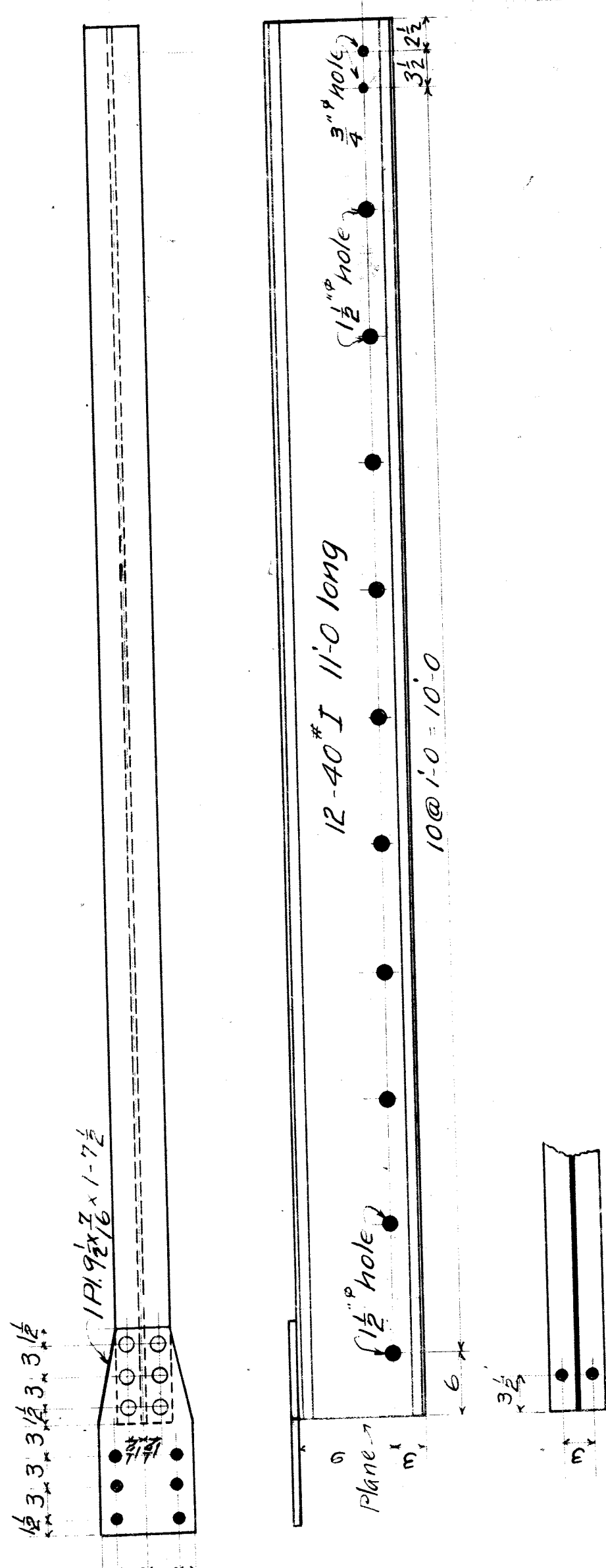
Plan

Scale 1" = 1'-0"

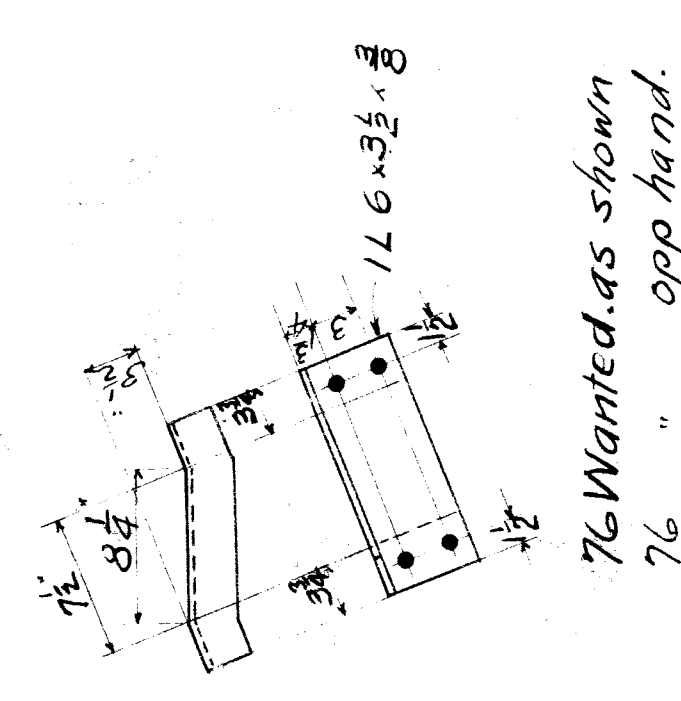
L.S. & M.S. Ry. Bridge Dept. S. Rockwell, C.E.
 Bridge No. Detroit Br.
 Over Beaubien St.
 Detroit, Michigan
 Retaining Wall.
 Sheet No. 1 of 1
 Scale as noted Date 9-23-10 Draw. No. B3388
 File XU 90-10
 Dr. 141, Oct. 17, 17



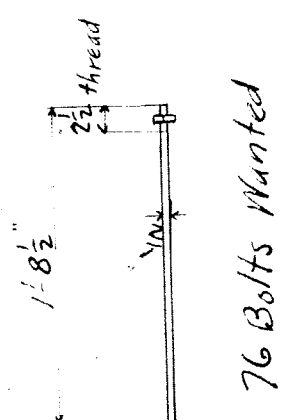
39 Girders Wanted



78 Beams Wanted



76 Wanted as shown
76 opp hand.



76 Bolts Wanted

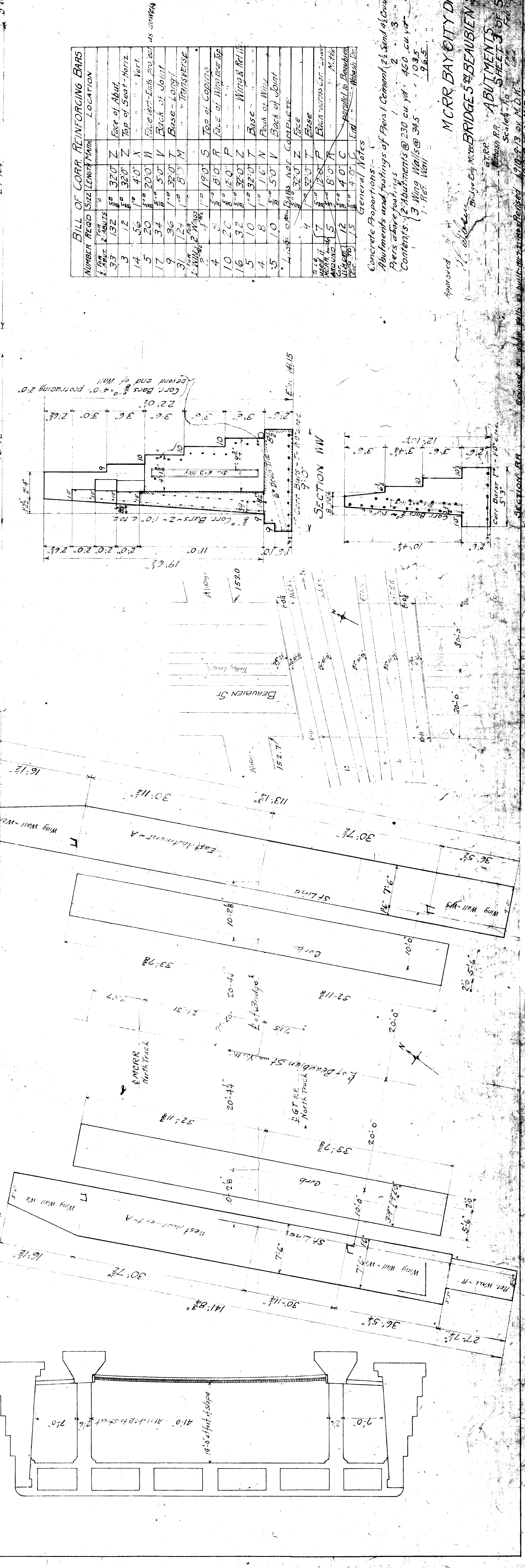
LOADING E60. 1910 NYC LINES SPECIFICATIONS
MATERIAL STEEL.
Plates less than 36" wide to have rolled edges.
Sheared edges & end of web to be planed not less than 3/8".
End stiffening angles & shims filled at bottom.
All stiffening angles filled at top.
Rivets 5/8".
Drill all holes in flange 1/16" & ream to 1/8".
Punch all other rivet holes 1/8" and ream.
To 1/8" after assembling.
Punch 1 1/2" and 2" holes full size.
Punch all other holes 1 1/2".

Ream field holes to an iron template
Girders to be assembled complete before final reaming,
and flanges must be connected up with bolts in at least
every third hole while being riveted.
No drifting allowed.
Web plates shall not project beyond the back of flange
at any point
or end is and shall not be more than 1/8" from back of angles
at any point
No holes drilled full size unless through all assembled parts.

Paint - Cummings Tar Paint
Surfaces coming in contact
to be cleaned and given
1 coat before assembling
1 coat after assembling in shop.

M.C.R.R. BAY CITY DIV.
BRIDGE 5-99 BEAUBIEN ST.
STEEL.
MADE BY L.W. SHEET 2 OF 5
TRACED BY A.H. NOV. 1909
CHECKED BY L.P.A.
SCALE 1" = 10'
File XU 90-12

Approved:
A. J. [Signature]
Bridge Engineer

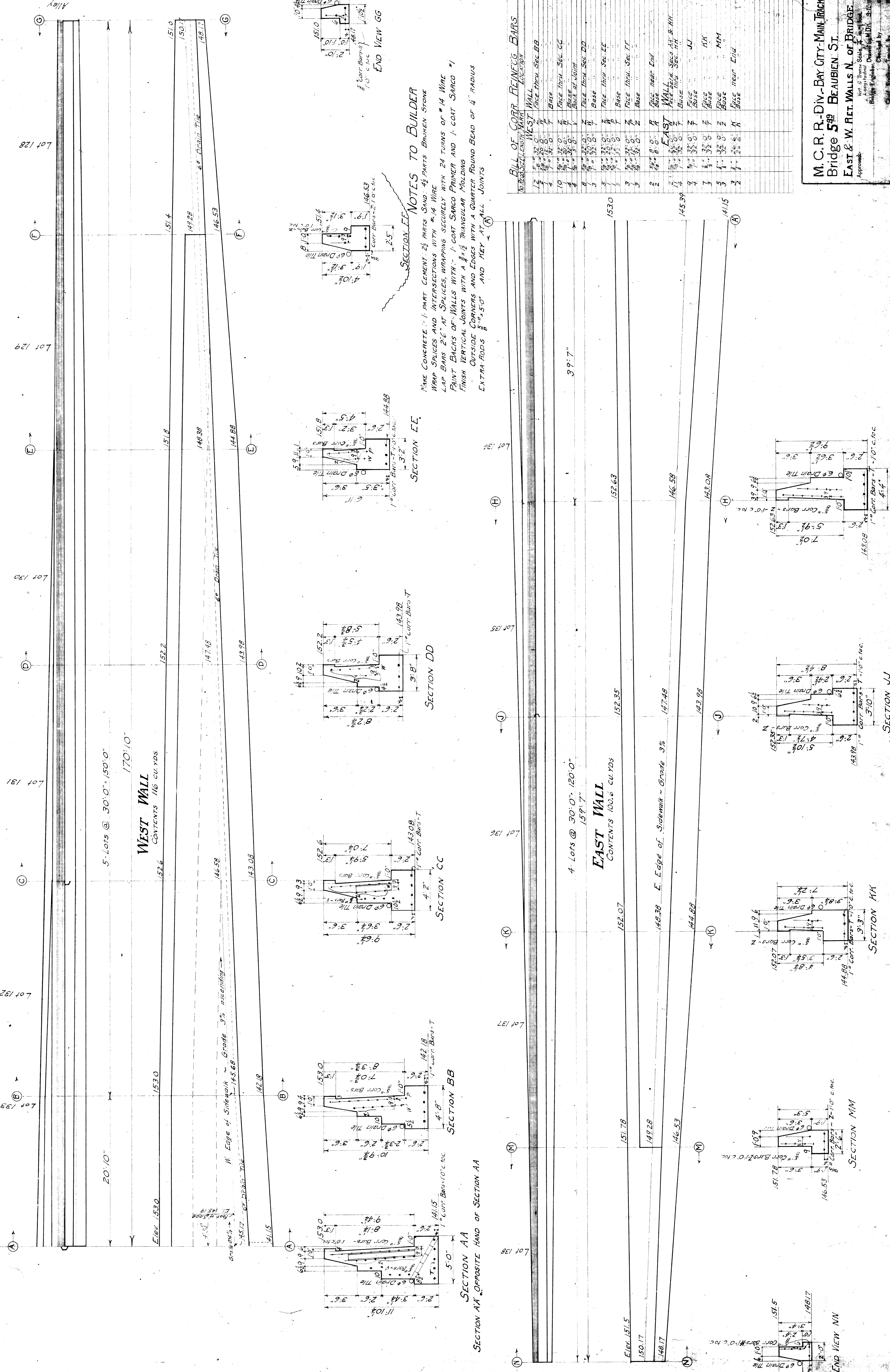


BILL OF CORR REINFORCING BARS

NUMBER	REINFORCING BARS	SIZE	LENGTH	LOCATION
1	2	1/2"	32'-0"	Face of Abut.
2	3	1/2"	32'-0"	Top of Seat - Horiz.
3	12	1/2"	4'-0"	Vert.
4	56	1/2"	4'-0"	Face of Abut. - Horiz.
5	20	1/2"	20'-0"	Back of Abut.
6	34	1/2"	5'-0"	Face of Abut. - Horiz.
7	9	1/2"	8'-0"	Base - Longit.
8	31	1/2"	8'-0"	Base - Transverse
9	1	1/2"	19'-0"	Top of Coping
10	4	1/2"	8'-0"	Face of Wing Wall Top
11	20	1/2"	12'-0"	Face of Wing Wall
12	32	1/2"	32'-0"	Base
13	5	1/2"	1'-6"	Peak of Wing
14	4	1/2"	5'-0"	Back of Joint
15	5	1/2"	5'-0"	Back of Joint
16	1	1/2"	32'-0"	Face
17	7	1/2"	32'-0"	Base
18	5	1/2"	8'-0"	Base across Cor. - Longit.
19	5	1/2"	8'-0"	Base across Cor. - Transverse
20	12	1/2"	4'-0"	Face of Abut. - Horiz.
21	13	1/2"	4'-0"	Face of Abut. - Vert.

General Notes

Concrete Proportions -
 Abutments and Footings of Plain Cement (2 1/2 Sand & 1 Concrete)
 1 Part
 2 Parts
 3 Parts
 4 Parts
 5 Parts
 6 Parts
 7 Parts
 8 Parts
 9 Parts
 10 Parts
 11 Parts
 12 Parts
 13 Parts
 14 Parts
 15 Parts
 16 Parts
 17 Parts
 18 Parts
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 93 Parts
 94 Parts
 95 Parts
 96 Parts
 97 Parts
 98 Parts
 99 Parts
 100 Parts



5-Lots @ 30'-0" = 150'-0"
WEST WALL
 CONTENTS 116 CU. YDS.

4-Lots @ 30'-0" = 120'-0"
EAST WALL
 CONTENTS 100.6 CU. YDS.

NOTES TO BUILDER
 MAKE CONCRETE: 1-PART CEMENT 2 1/2-PARTS SAND 3-PARTS BROKEN STONE
 WRAP SPICES AND INTERSECTIONS WITH #14 WIRE
 LAP BARS 2'-6" AT SPLICES, WRAPPING SECURELY WITH 24 TURNS OF #14 WIRE
 PAINT BACKS OF WALLS WITH 1-COAT SARCO PRIMER AND 1-COAT SARCO #1
 FINISH VERTICAL JOINTS WITH A 3/4" x 1 1/2" TRIANGULAR MOLDING
 FINISH OUTSIDE CORNERS AND EDGES WITH A QUARTER ROUND BEAD OF 1/4" RADIUS
 EXTRA RODS 5'-0" AND KEY AT ALL JOINTS

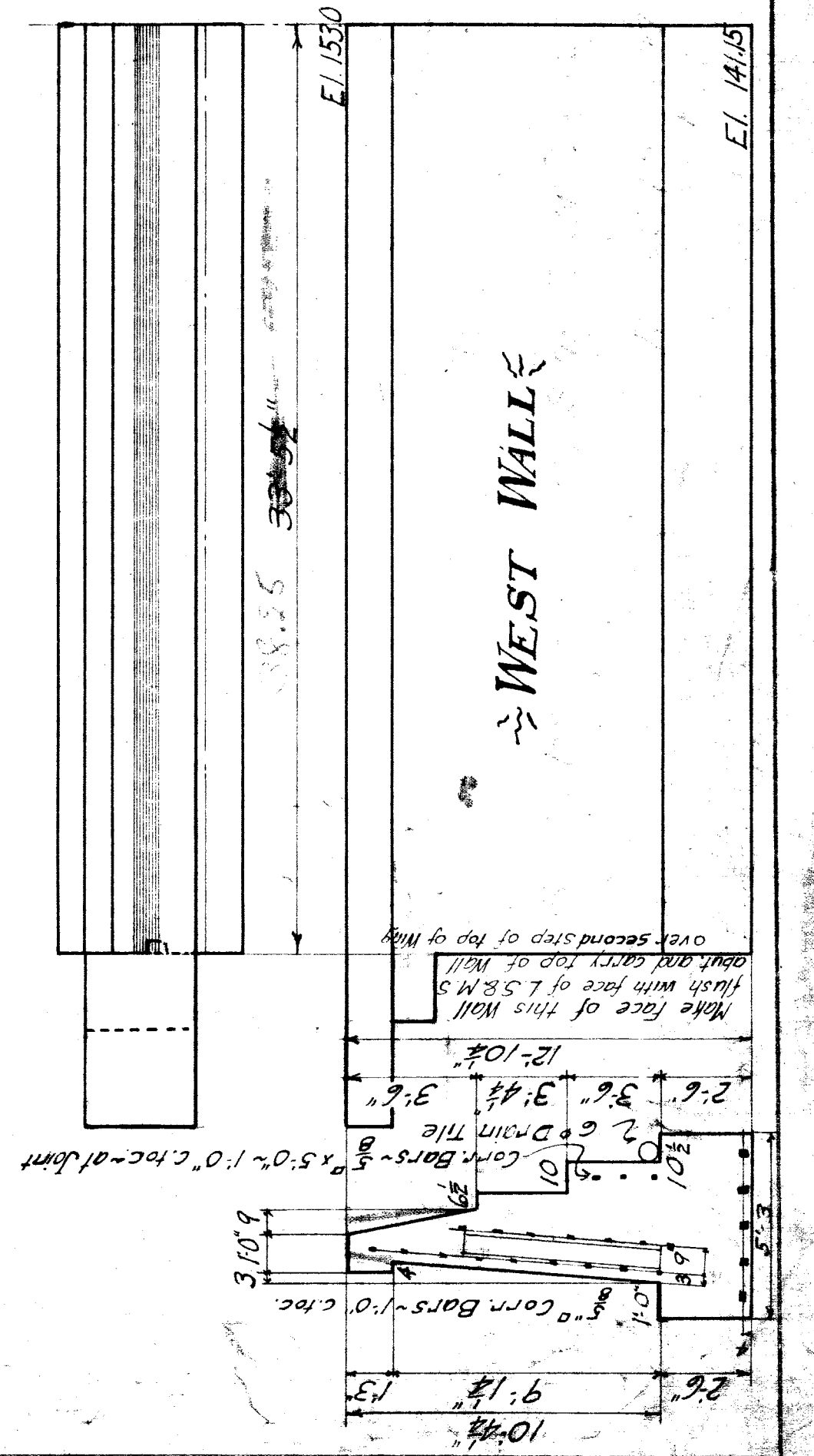
BILL OF CORR. REINFCG. BARS			
NO.	TYPE	LENGTH	LOCATION
1	WEST WALL	32'-0"	Face thru Sec. BB
2	WEST WALL	32'-0"	Base
3	WEST WALL	32'-0"	Face thru Sec. CC
4	WEST WALL	32'-0"	Base
5	WEST WALL	32'-0"	Face thru Sec. DD
6	WEST WALL	32'-0"	Base
7	WEST WALL	32'-0"	Face thru Sec. EE
8	WEST WALL	32'-0"	Base
9	WEST WALL	32'-0"	Face thru Sec. FF
10	WEST WALL	32'-0"	Base
11	EAST WALL	32'-0"	Face thru Sec. HH
12	EAST WALL	32'-0"	Base
13	EAST WALL	32'-0"	Face thru Sec. JJ
14	EAST WALL	32'-0"	Base
15	EAST WALL	32'-0"	Face thru Sec. KK
16	EAST WALL	32'-0"	Base
17	EAST WALL	32'-0"	Face thru Sec. LL
18	EAST WALL	32'-0"	Base
19	EAST WALL	32'-0"	Face thru Sec. MM
20	EAST WALL	32'-0"	Base

M. C. R. R. - DIV. - BAY CITY - MAIN TRACK
 Bridge 589 BEAUBIEN ST.
 EAST & W. RET. WALLS N. OF BRIDGE
 Approved: _____
 Checked by: _____
 Prepared by: _____

M.C.R.R.-Div.-Bay City-Main Track
 Bridge 5²³ BEAUBIEN ST.
 RETAINING WALLS SOUTH OF BRIDGE

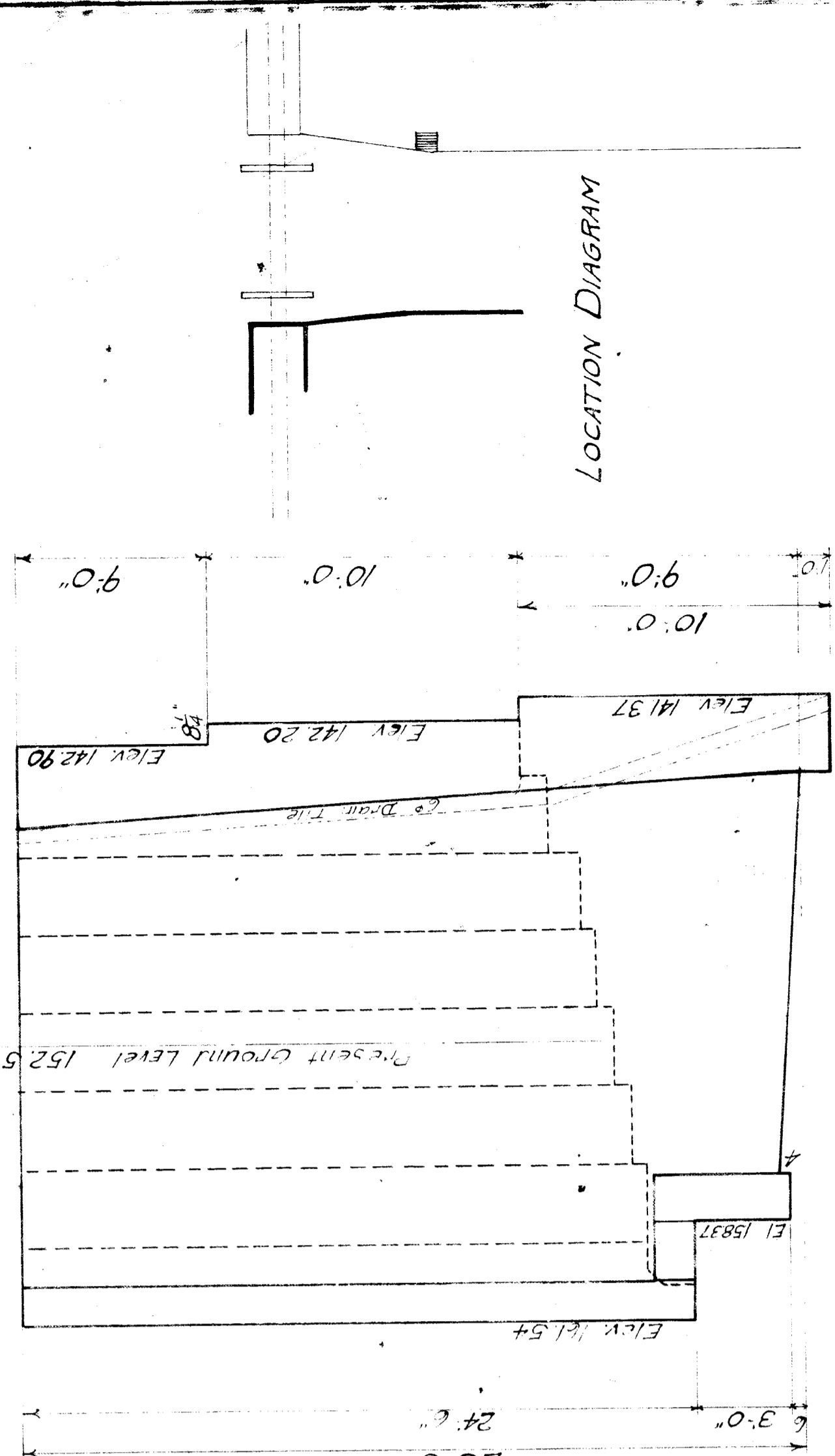
Scale: 1" = 10'-0"
 Drawn by: M.L.G. 12-14-19
 Checked by: [Signature]
 Chief Engineer/Drawn by: [Signature]
 Review: [Signature]
 Sheet 5 of 5

File XU90349



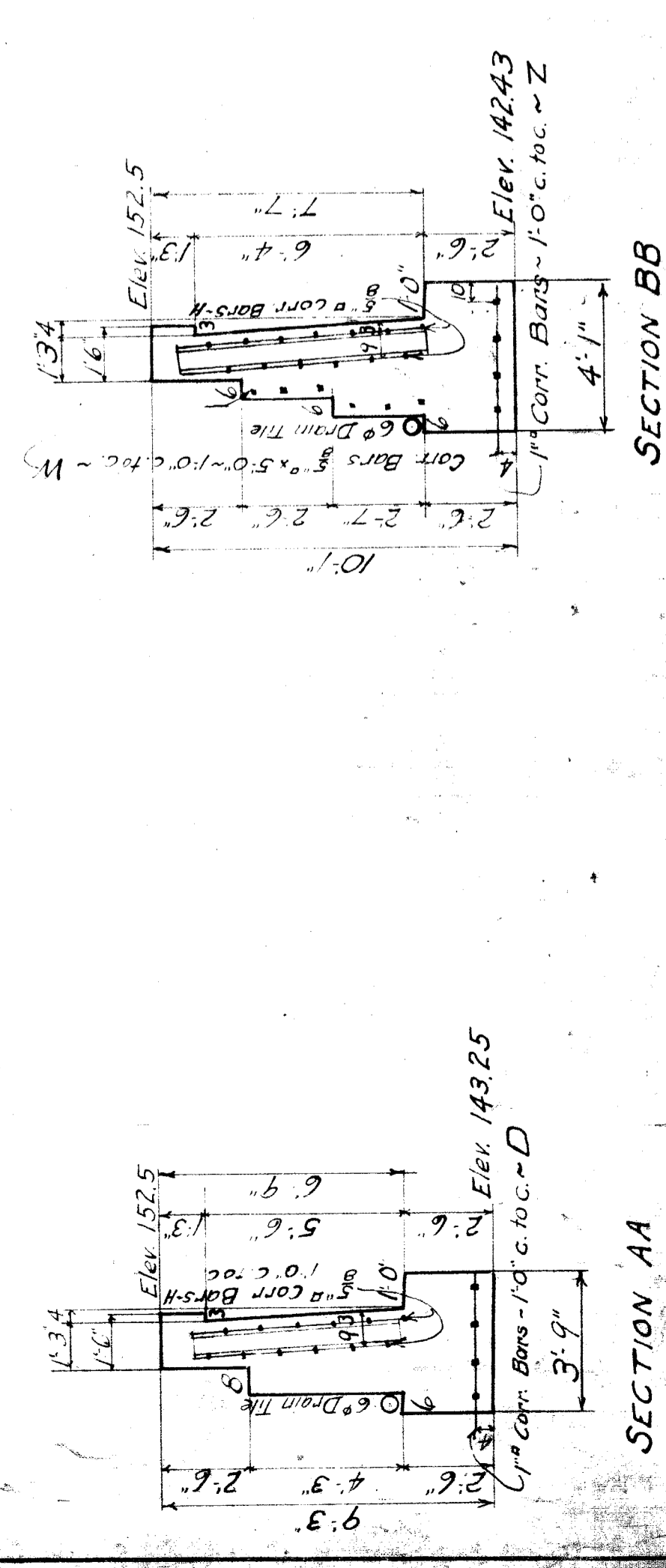
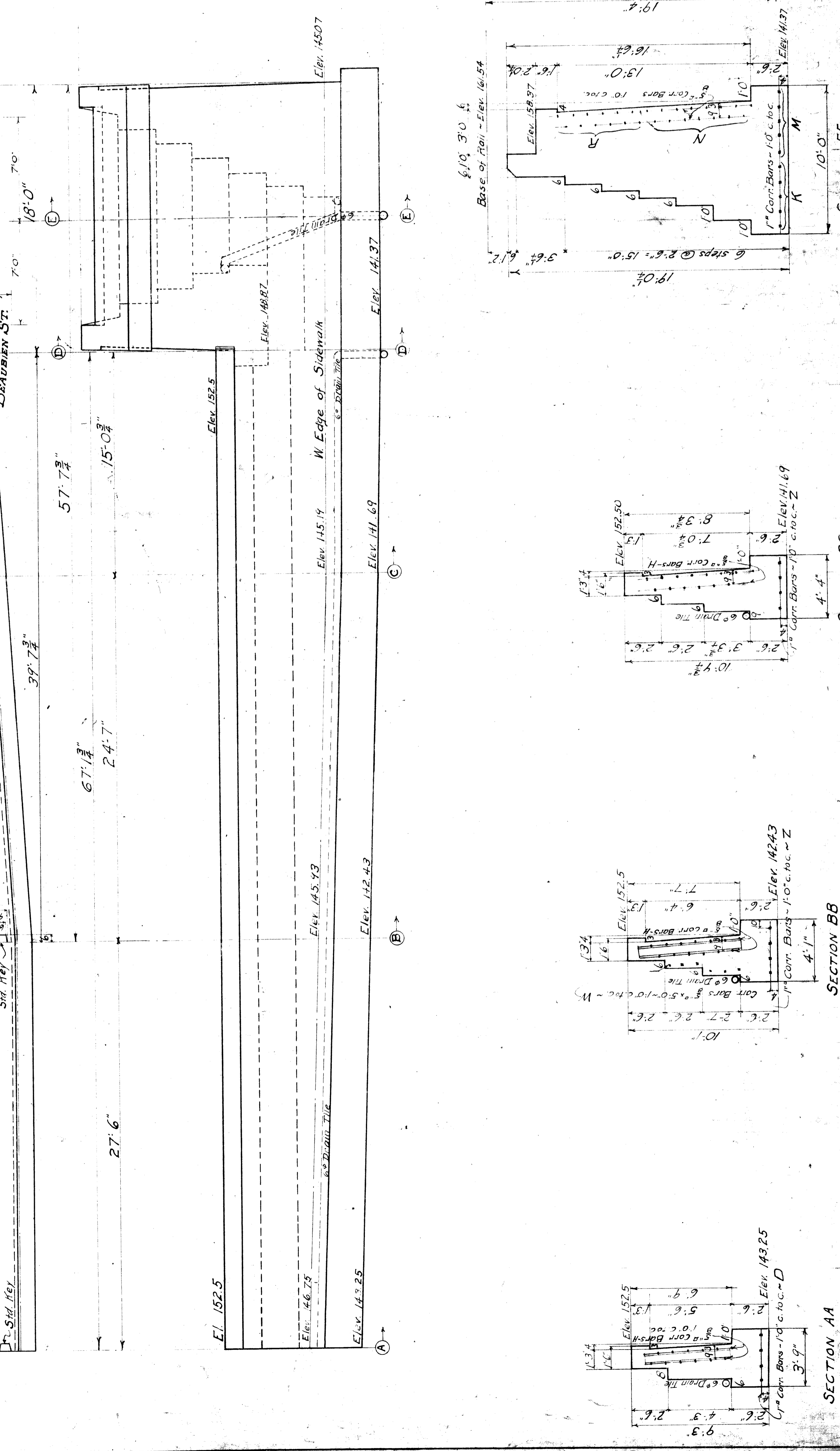
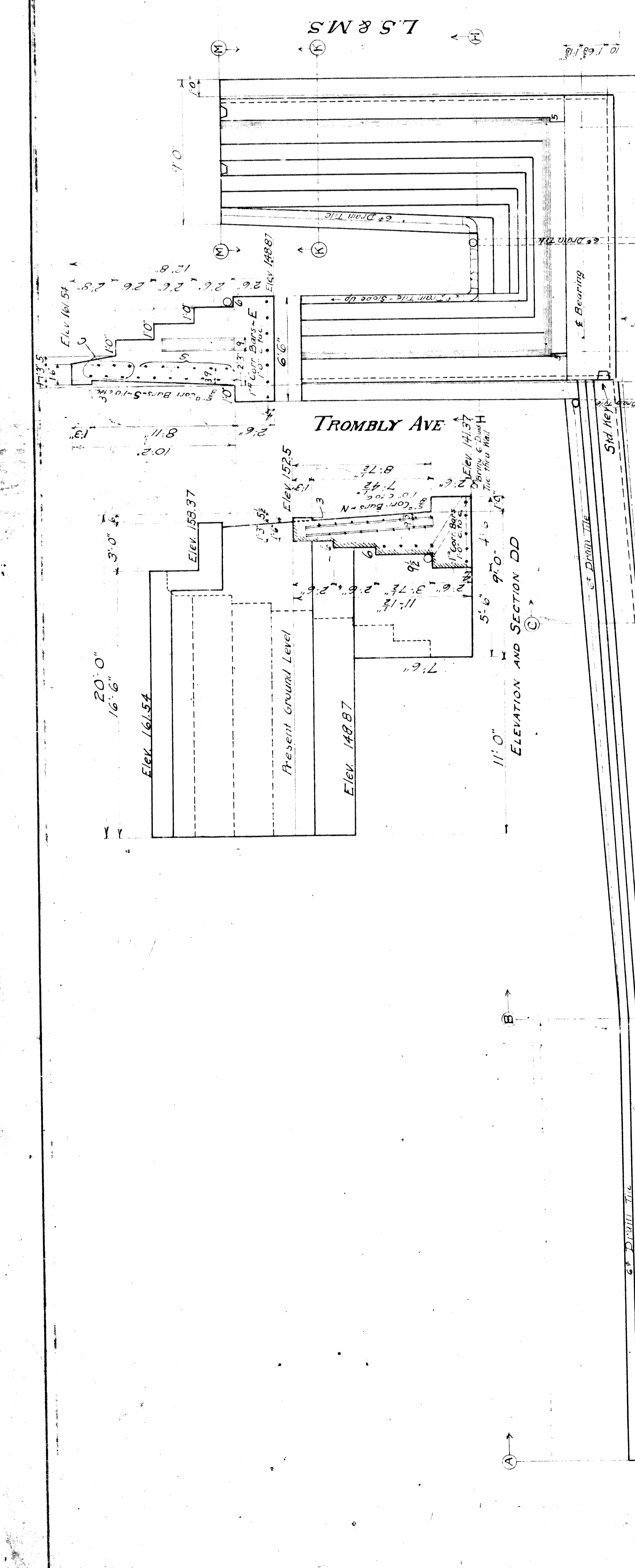
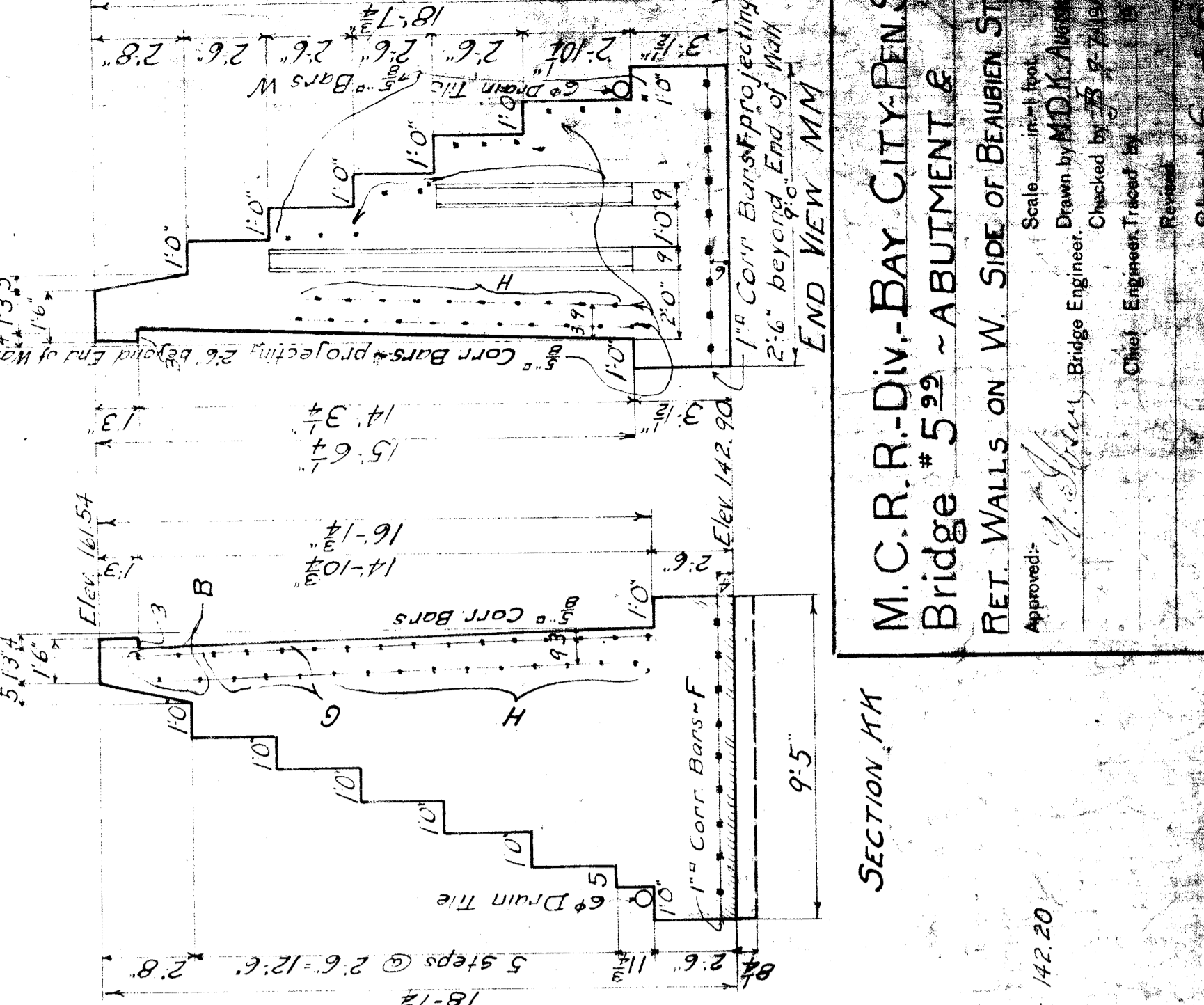
NOTES TO BUILDER

- 1. MAKE CONCRETE 1-PART CEMENT: 2-PARTS SAND FOR TOP 6" OF BRIDGE SLAB.
- 2. 3-PARTS BROKEN STONE FOR NEXT 2 1/2" DOWN.
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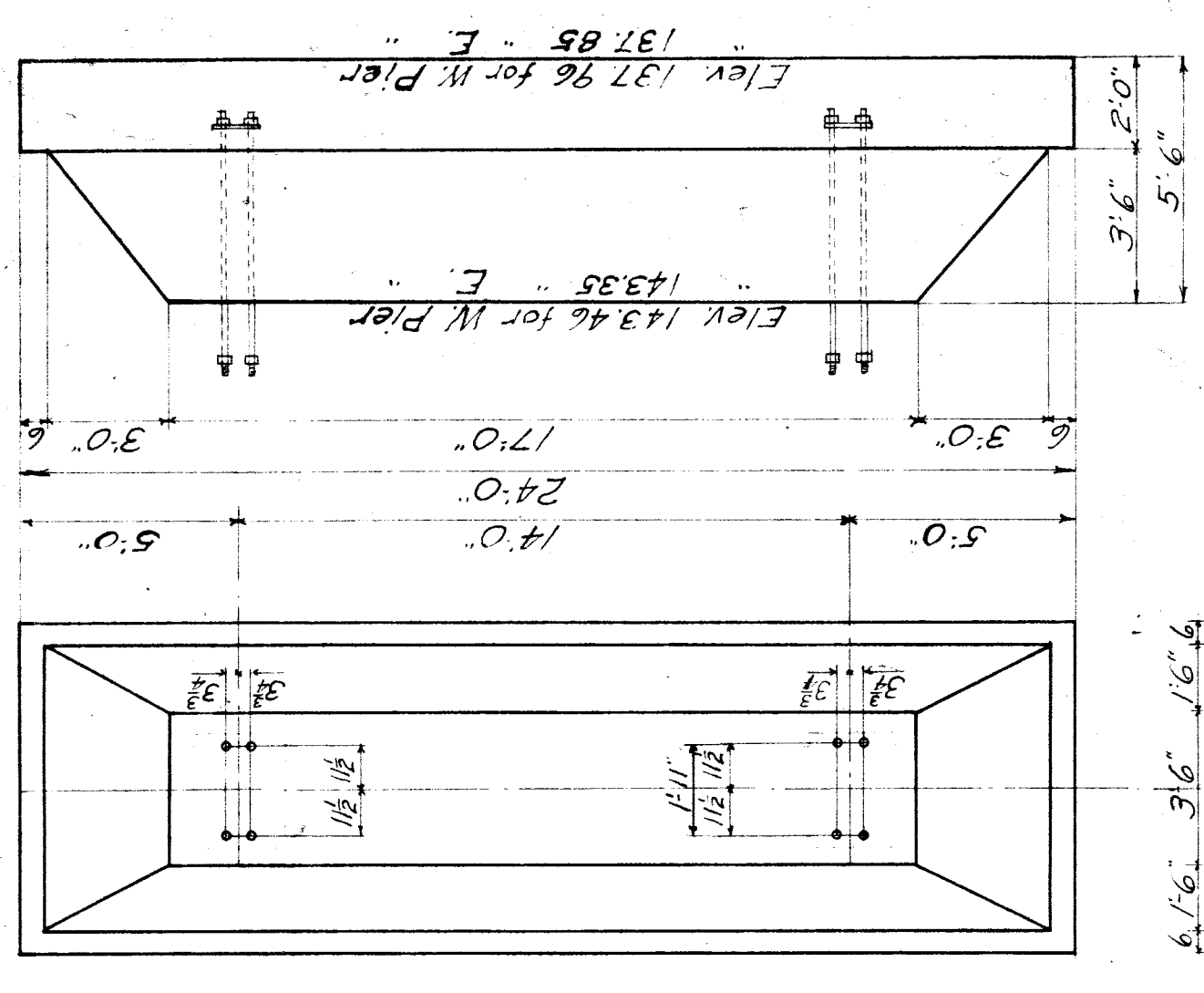
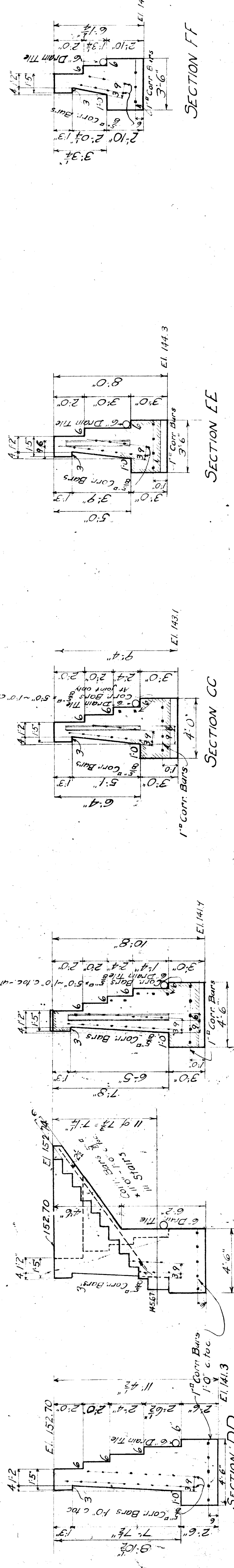
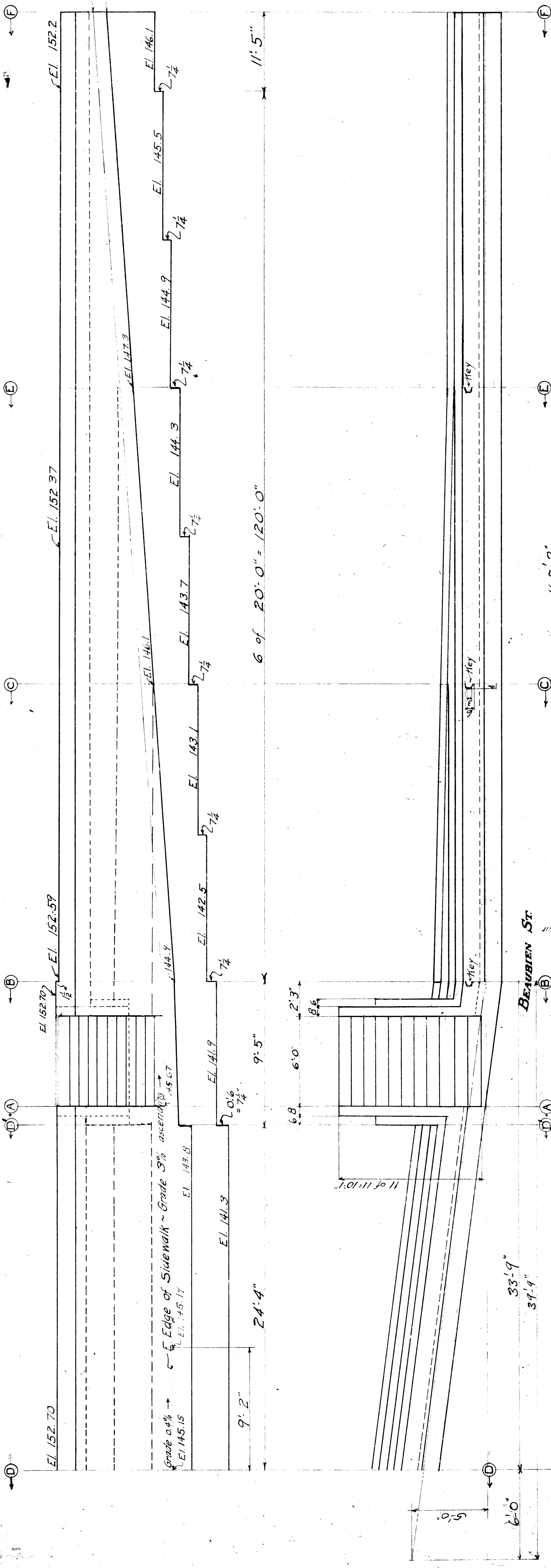
BILL OF REINFORCING BARS

Size	Mark	No. Pieces	Length	Location in Wall	REMARKS
3/8"	G	21	30'-0"	LS&MS Face projecting 2'-6" beyond end MM	
3/8"	H	6	27'-0"	Near Top	
3/8"	W	12	5'-0"	Back projecting 2'-6" beyond end MM	
1"	Z	13	32'-0"	Face	
3/8"	S	7	18'-6"	Face	
3/8"	F	12	17'-0"	Face near Top	
3/8"	N	15	32'-0"	Bot.	
1"	M	5	32'-0"	Face	
1"	I	5	18'-0"	Face	
3/8"	H	13	27'-0"	Face betw. Sees. BB&CC	
3/8"	W	12	27'-0"	Face betw. Sees. AA&BB	
1"	Z	4	32'-0"	Back thru Sees. BB	
3/8"	D	4	26'-0"	Base betw. Sees. BB&CC	
3/8"	B	4	24'-0"	Face under coping	
3/8"	C	9	16'-0"	Face under coping	



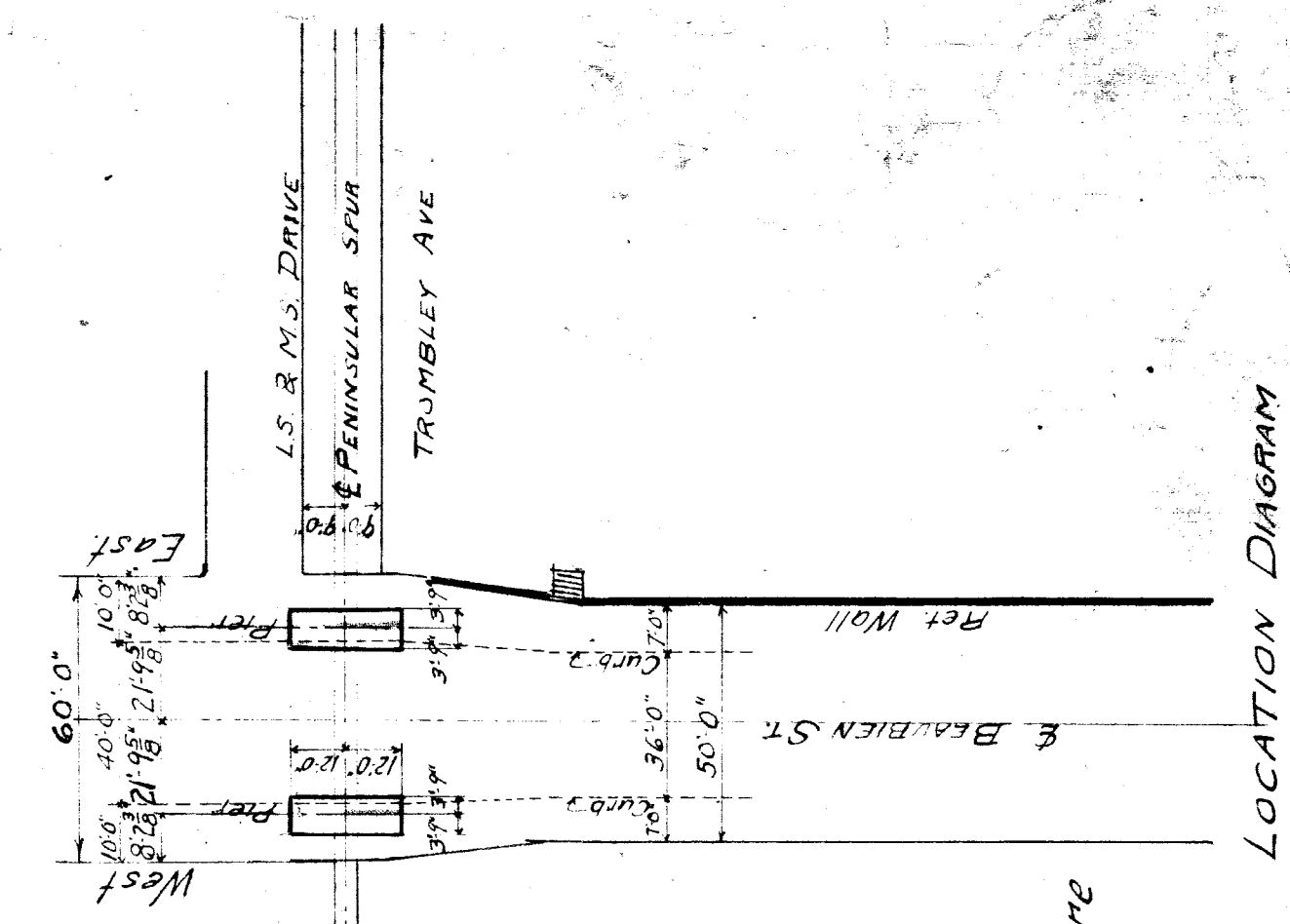
M.C.R.-DIV. BAY CITY-PENNSAUR
 Bridge #529 - ABUTMENT &
 RET. WALLS ON W. SIDE OF BRAUBEN ST
 Scale: as shown
 Drawn by M.D.K. &
 Checked by M.D.K. &
 Chief Engineer: M.C.R.
 Sheet 6 of 6

File XU 90



Anch. Bolts 2"x6"
 12"x14"x5"
 Furnished by Am. Bridge Co.

2-PIERS IN BEAUBIEN ST.

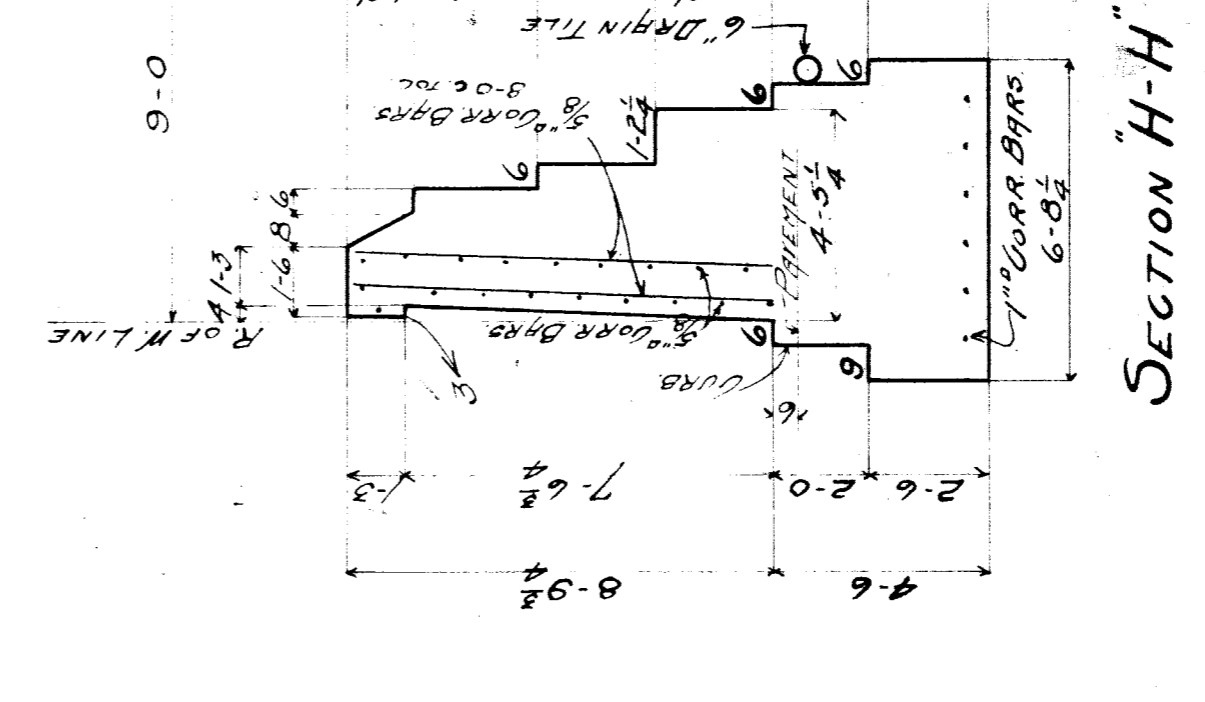
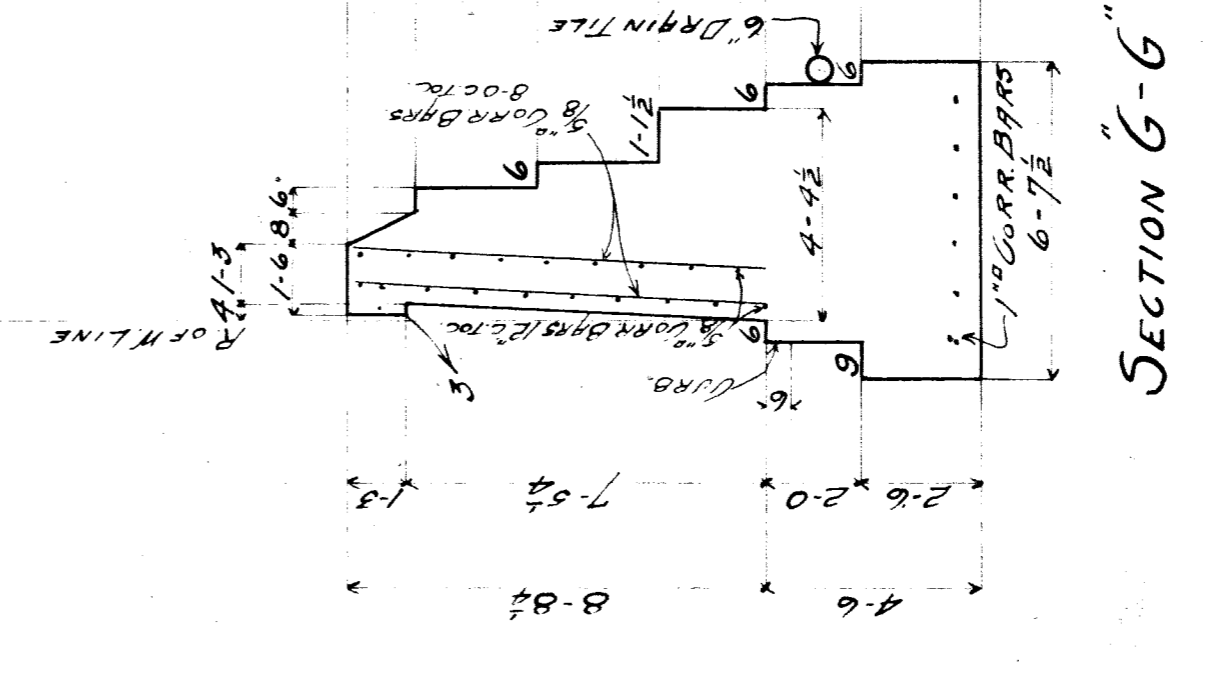
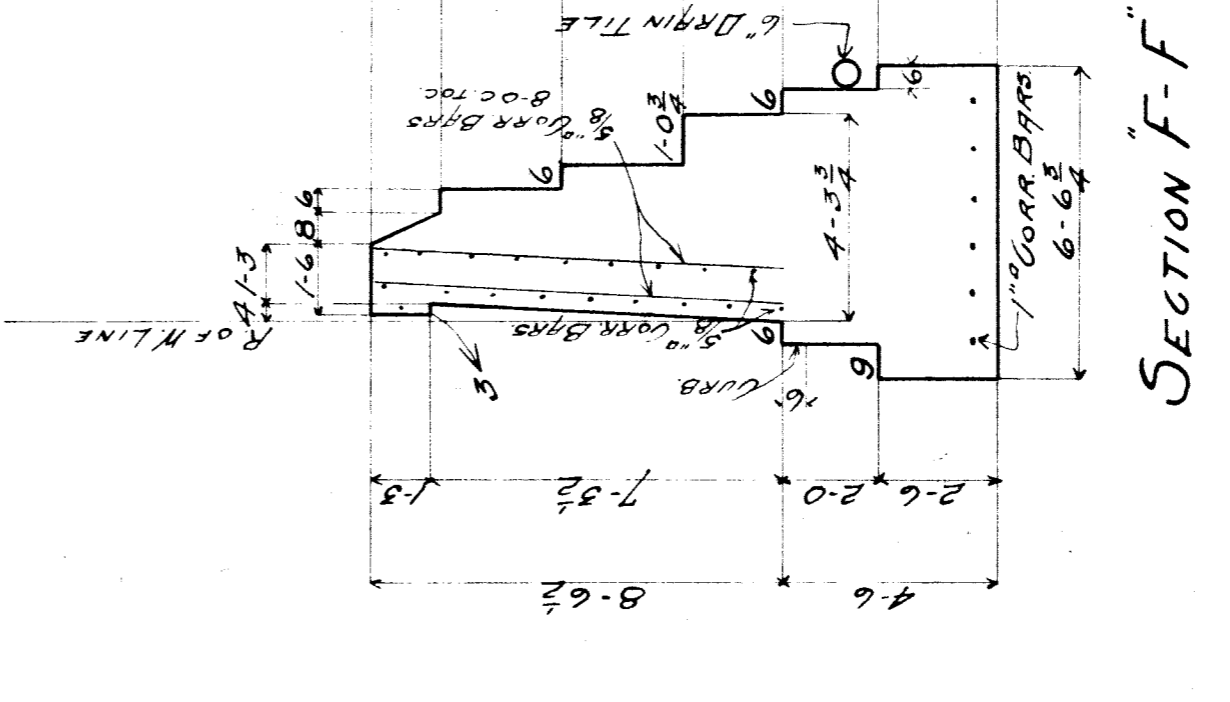
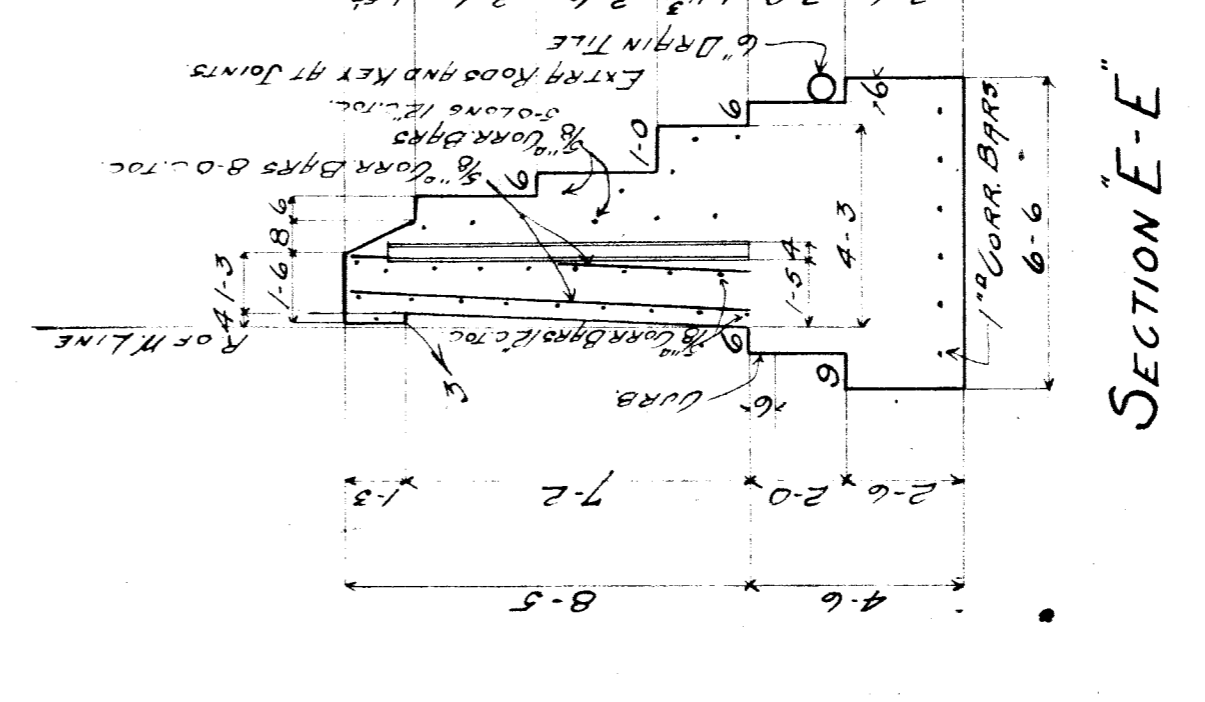
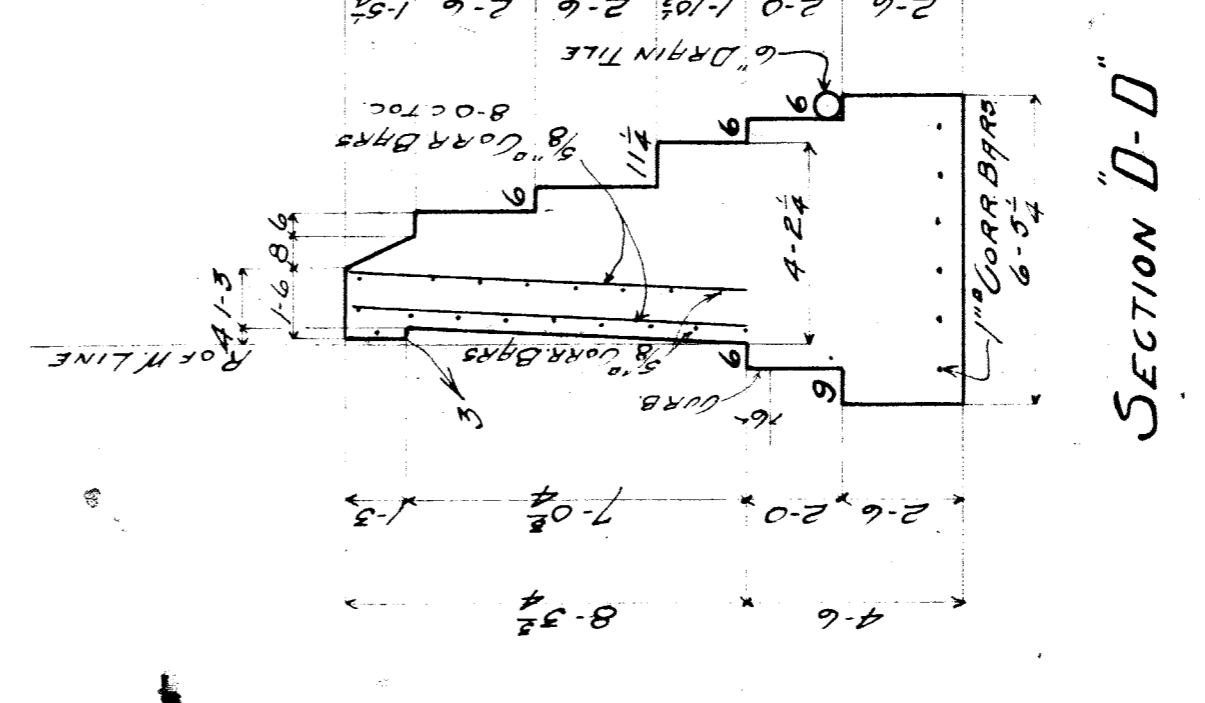
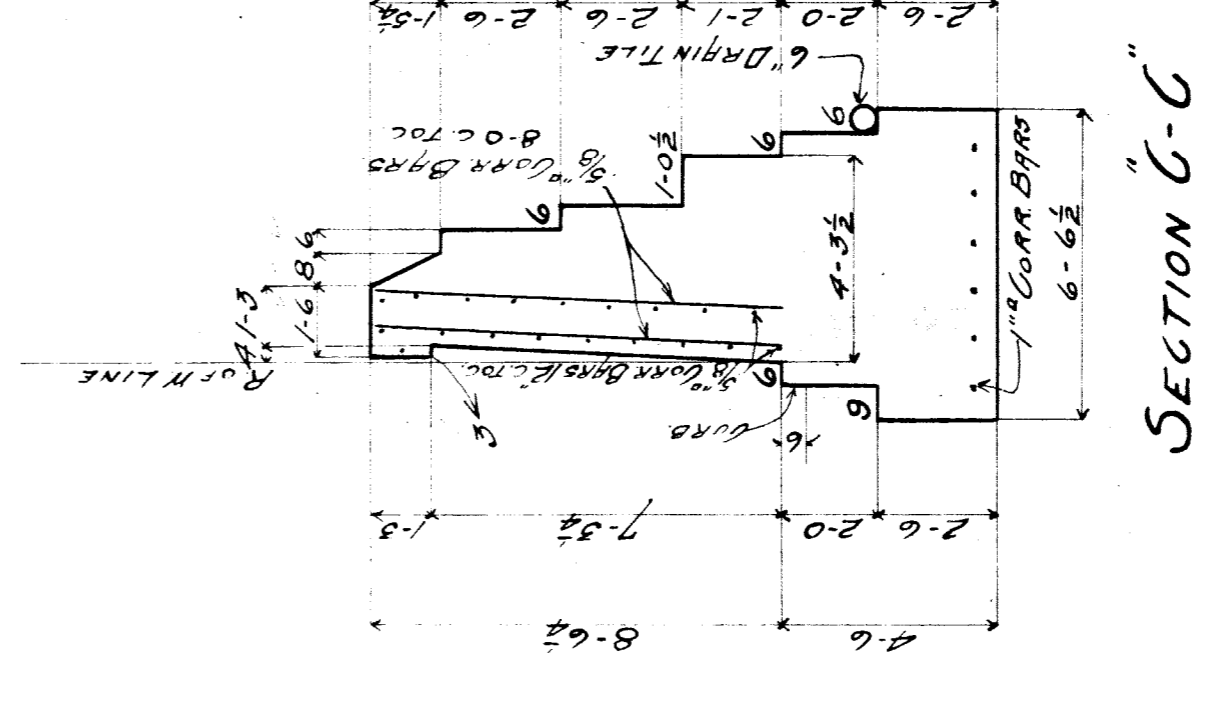
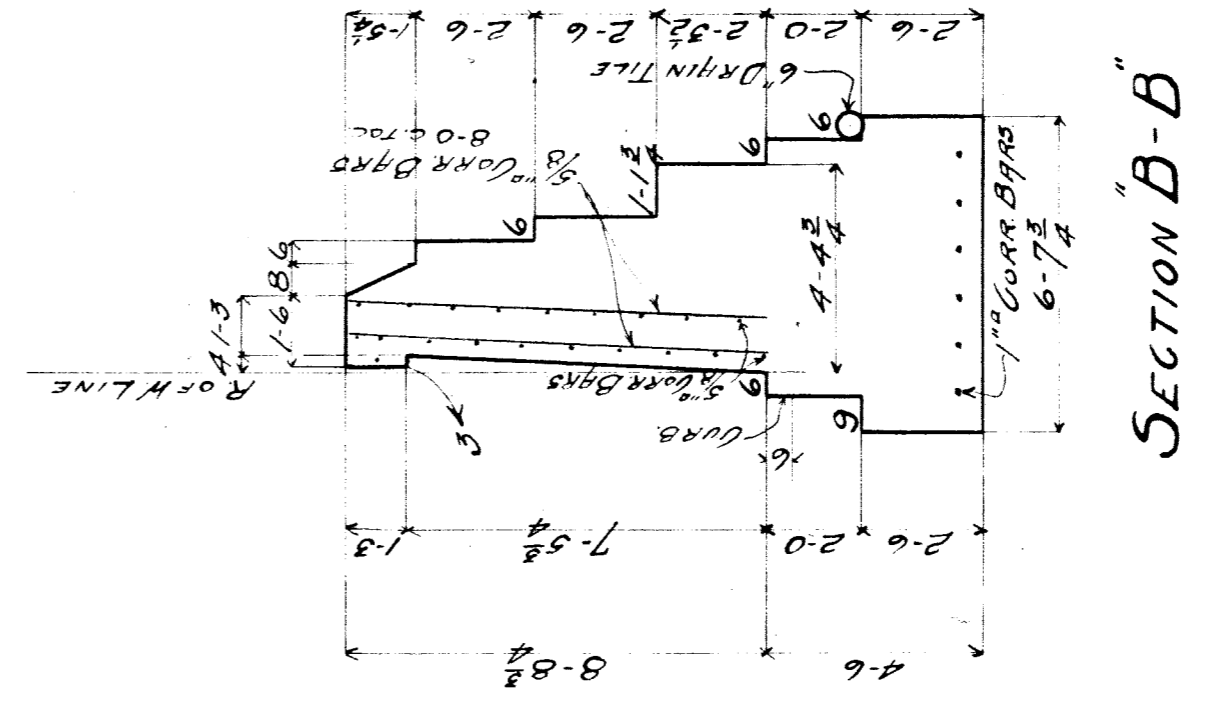
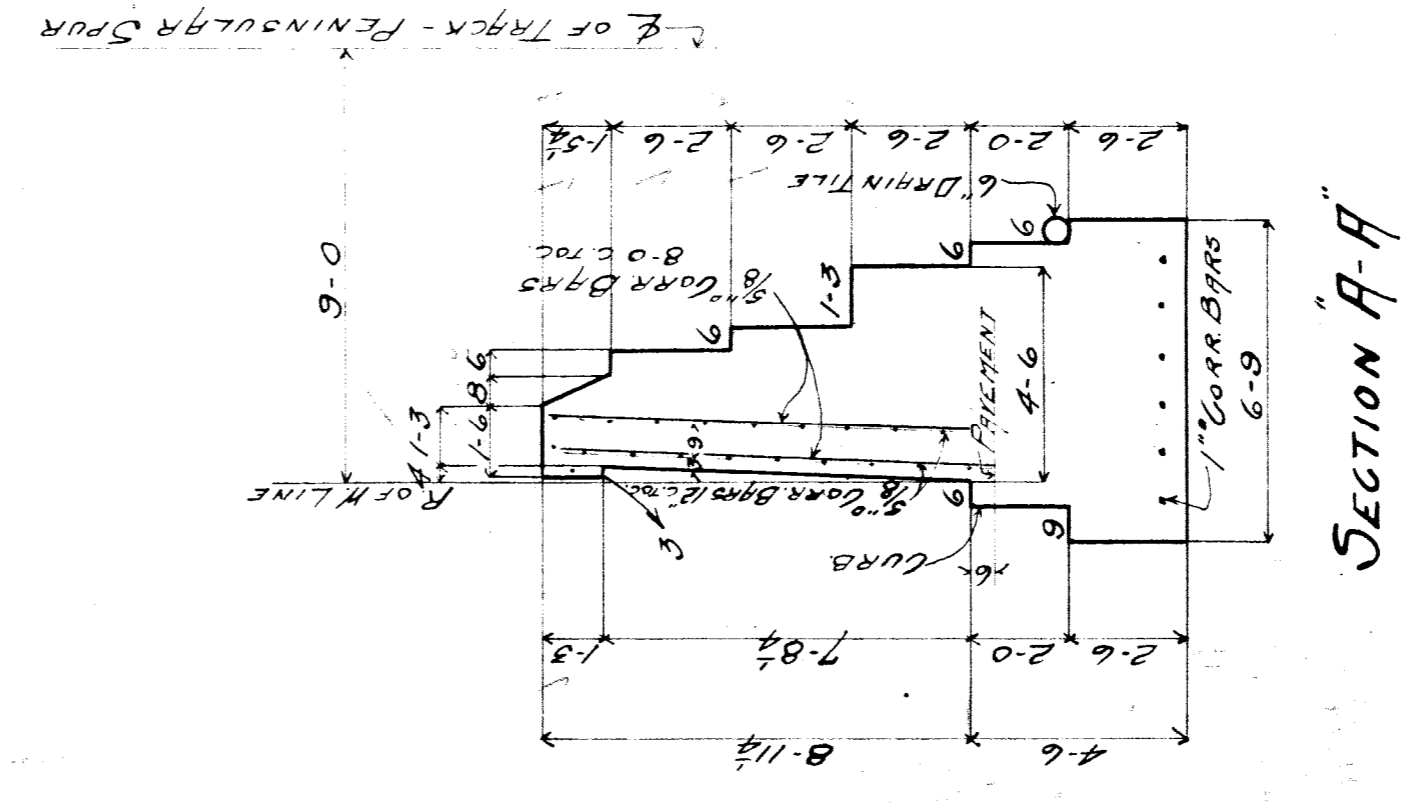
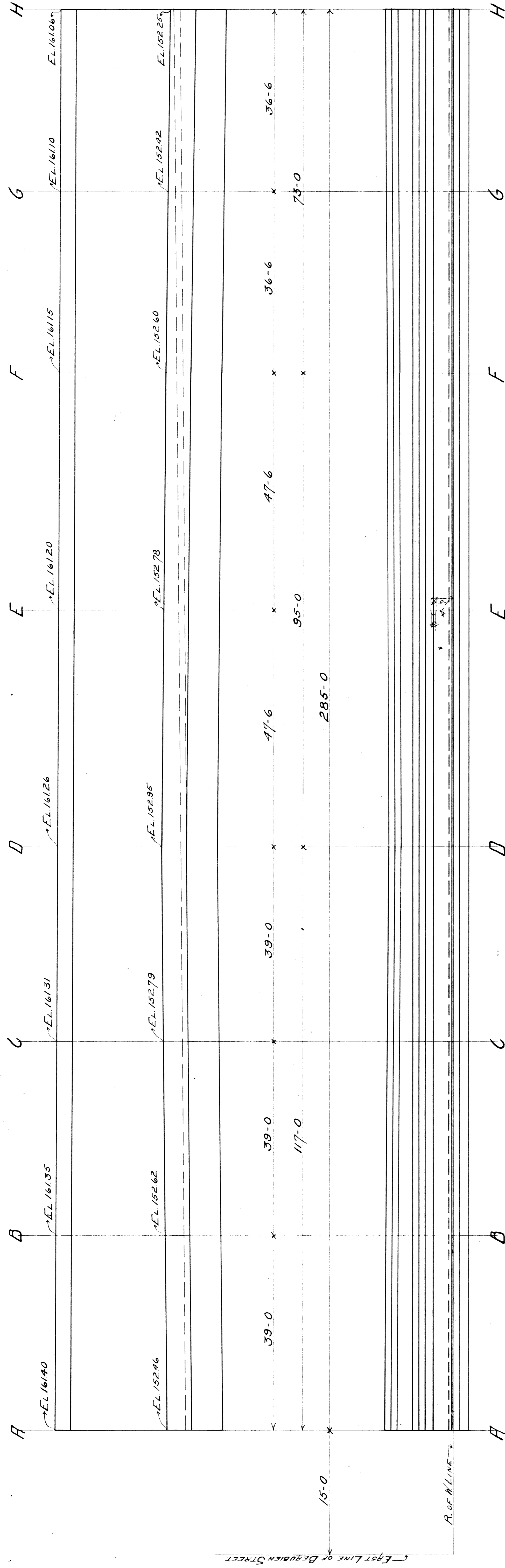


NOTES TO BUILDER

- Wrap Splices and Intersections with #14 Wire
- Lap Bars 2'-6" at splices, wrapping securely with 24 turns of #14 wire.
- Paint backs of walls with one coat Sarco
- Primer and one coat Sarco #1
- Make Concrete 1 part Cement : 2 parts Sand for top 6" of Piers
- 1 " " " " 3 parts Broken Stone for next 2'-6" above
- 1 " " " " 2 " " " remainder
- 1 " " " " 4 1/2 " " " remainder
- of Piers and for Ret. Wall.
- Contents of Wall = 140 cu. yds.
- " " 2-Piers = 53 "

SIZE	MARK	NO.	LENGTH	LOCATION
5"	S	10	18'-6"	Face betw. Secs. DBA In Ret. Wall
5"	T	9	32'-0"	" " " "
5"	V	9	1'-0"	Under Stair
5"	W	5	5'-0"	Back thru Sec. B
5"	X	2	20'-0"	Face " " B
7"	T	13	32'-0"	betw. Secs. BEC
7"	T	8	32'-0"	thru Sec. C
7"	W	2	5'-0"	Back " " C
7"	T	0	32'-0"	Face " " E
7"	T	6	32'-0"	betw. Secs. EEF
1"	Z	5	32'-0"	Base betw. Secs. DBA
1"		5	5'-0"	" " thru Sec. C
1"		4	5'-0"	" " thru Sec. E
1"		3	5'-0"	betw. Secs. EBF
1"	C	14	23'-0"	Base In Piers

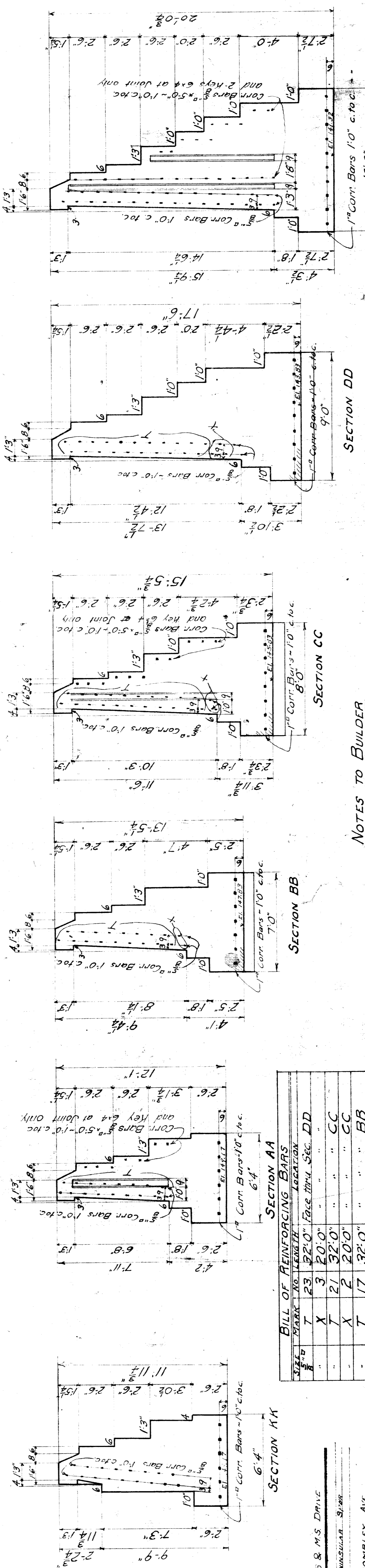
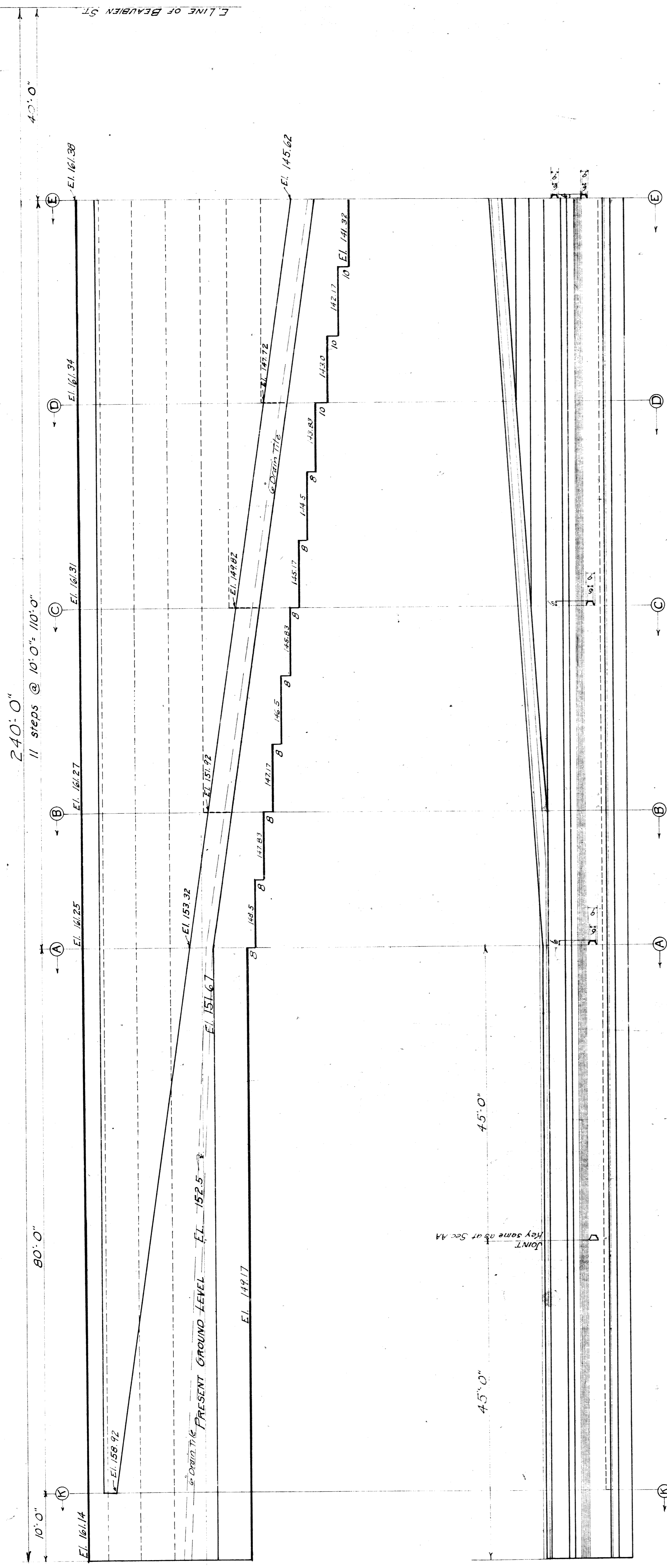
M.C.R. R.-Dw. Bay City
 Bridge 5²⁹ RETAINING WALL
 ALONG BEAUBIEN ST. SOUTH OF PENINSULAR ST.
 Approved: *[Signature]* Scale: 1" = 10'-0"
 Checked by: *[Signature]* Bridge Engineer
 Chief Engineer: *[Signature]*
 Sheet 3 of 6
 File XU90-20



EXPOSED VERTICAL JOINTS TO BE FINISHED UP WITH 9" TRIANGULAR MouldING
 EXPOSED OUTSIDE CORNERS AND EDGES TO BE FINISHED WITH A QUARTER ROUND
 BEAD OF 1 1/2" RADIUS.
 EXTRA ROADS AND KEY AT ALL JOINTS AS SHOWN IN SECTION E-E.

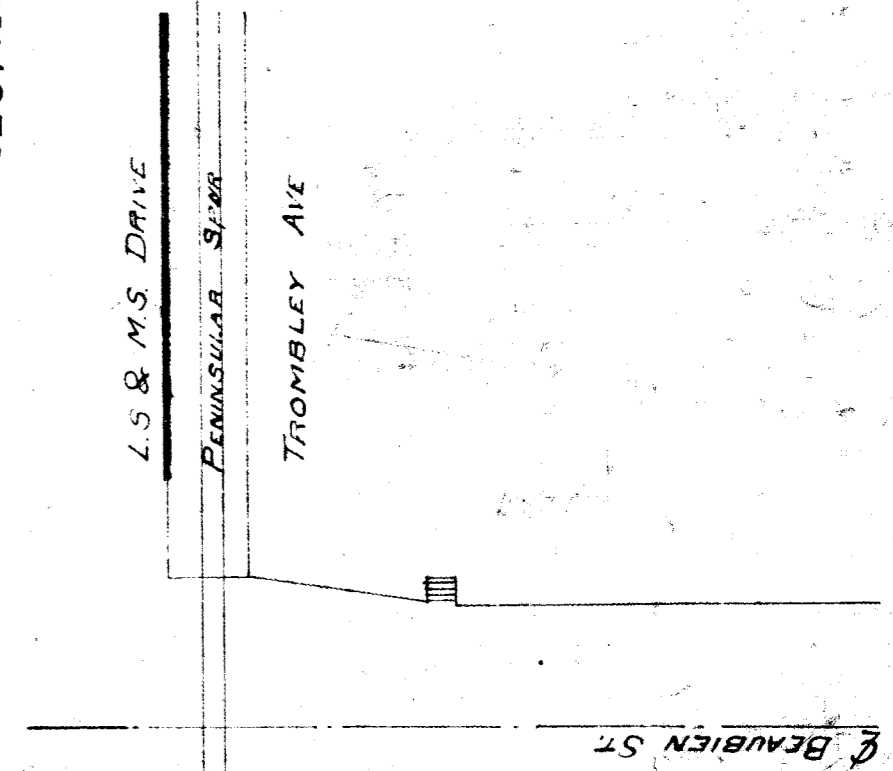
MAKE CONCRETE - 1 PART CEMENT : 2 1/2 PARTS SAND : 4 1/2 PARTS CRUSHED STONE.
 PAINT BACK FACE OF WALL WITH 1 COAT SARCO PRIMER, 1 COAT SARCO #1.

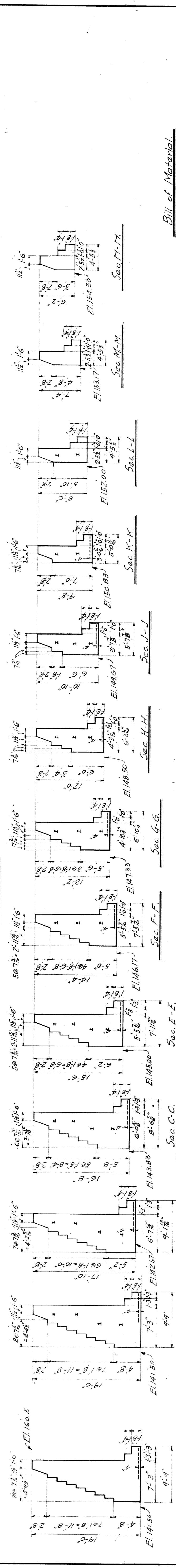
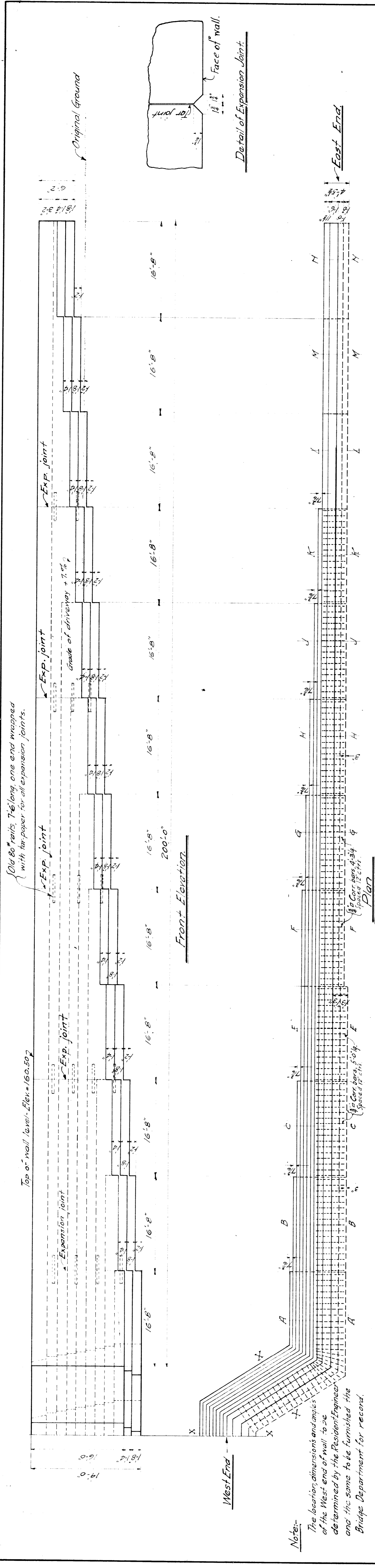
M. C. R. R. DIV. - DAY CITY
 Bridge #599 WALL ALONG S.E. R. of
 K. LINE AND TROUBLE FIVE E. of DENVER
 Approved: [Signature] Scale: 1/4" = 1'-0"
 Bridge Engineer: [Signature] Drawn by: [Signature]
 Checked by: [Signature] Chief Engineer: [Signature]
 Sheet 2 of 6
 File XU 90-2/500



LINE	MARK	NO.	SECTION
T	23	22'-0"	Face thru Sec. DD
X	3	20'-0"	" " " " CC
T	21	32'-0"	" " " " BB
X	2	20'-0"	" " " " CC
T	17	32'-0"	" " " " BB
X	2	20'-0"	" " " " CC
T	51	32'-0"	Face betw. Secs. A & K
W	11	5'-0"	Back thru Sec. CC
W	7	5'-0"	" " " " AA
W	7	5'-0"	" " " " at Joint betw. Secs. A & K
Z	9	32'-0"	Base thru Sec. DD
Z	8	32'-0"	" " " " CC
Z	7	32'-0"	" " " " BB
Z	18	32'-0"	" " betw. Secs. A & K

NOTES TO BUILDER
 Make Concrete 1-2 1/2" 4# Mixture
 Wrap Splices and Intersections with #14 Wire
 Lap Bars 2'-6" at Splices, wrapping securely
 with 2# turns of #14 Wire
 Paint backs of walls with one coat Sarco Primer
 and one coat Sarco #1
 Contents 455 cu. yds.





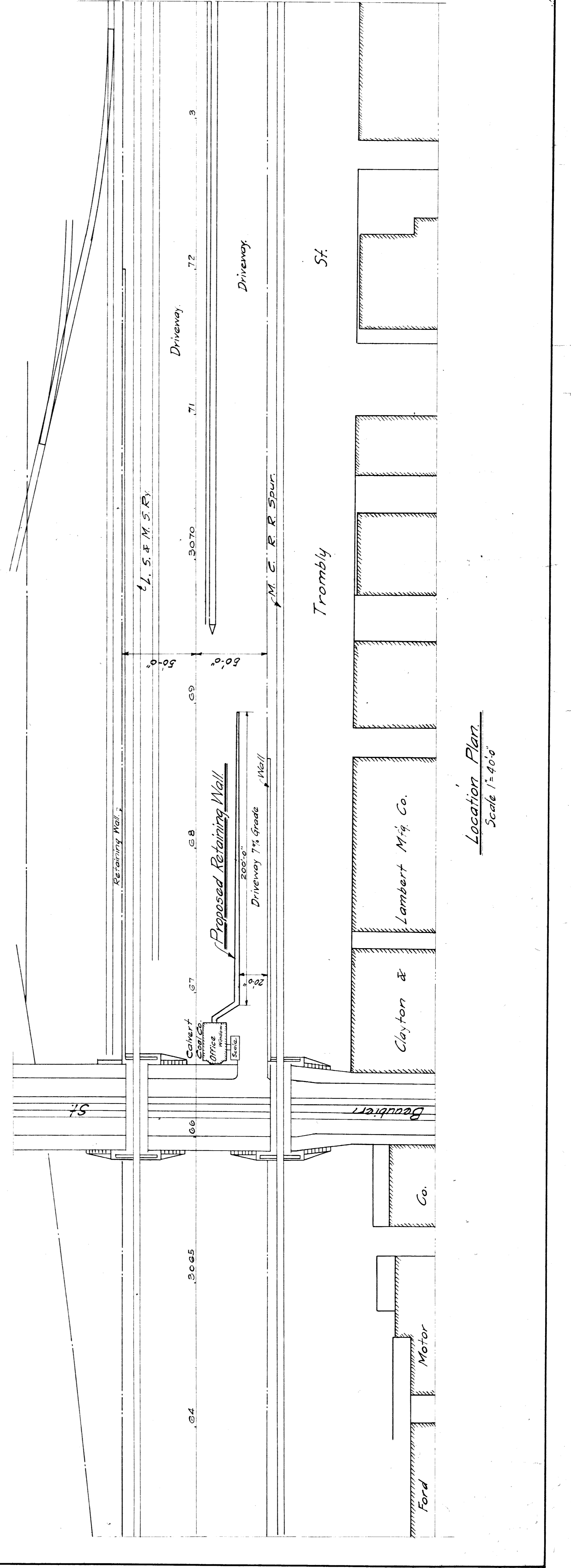
Bill of Material.

Mixture	Concrete Sacks	Cement	Sand Cu Yds	Stone Cu Yds	Finished by-
1-2-5	480	2496	221	442	Machine
1-3-6	400	2131	226	452	Hand

16. Pcs. 80# Rail 7'6" long (Old rails free from rust.)
 90. Pcs. 3/4" Curved Bars 5'0" long
 85. Pcs. 3/4" Curved Bars 4'3" long
 (Order 28. 3/4" Curved Bars 30'0" long from which the above bars may be cut.)

General Notes
 Chamfer all exposed edges.
 All exposed surfaces of concrete to have a dense, hard and smooth finish.
 Non-exposed surfaces, to be free from a honey combed appearance.

L. S. M. S. Ry. Bridge Dept. J. Rockwell, C.E.
 Detroit Division
 Plan of concrete retaining wall for the
 Clayton & Sons Coal Company
 East of Beaubien St. - Detroit, Mich.
 Station 3066+ to 3068+
 Sheet 1 of 1.
 Scale 1" = 40'-0"
 Jan 5, 1912. Draw No. B-4371



Location Plan.
 Scale 1" = 40'-0"