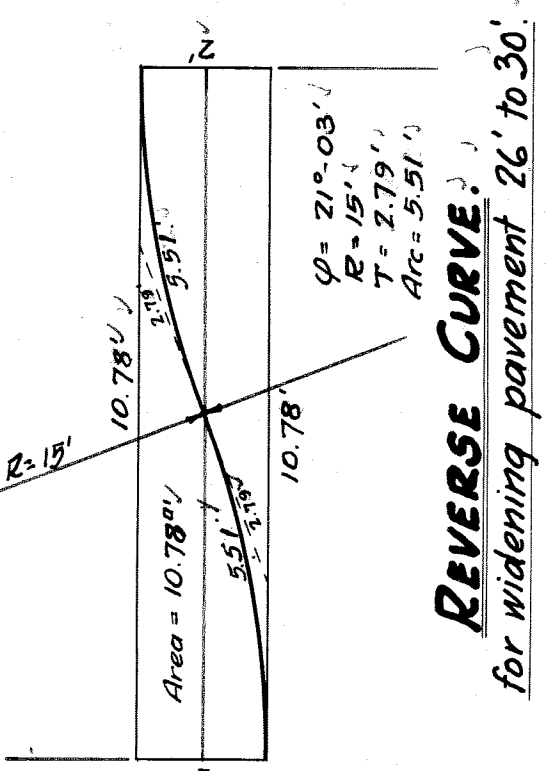
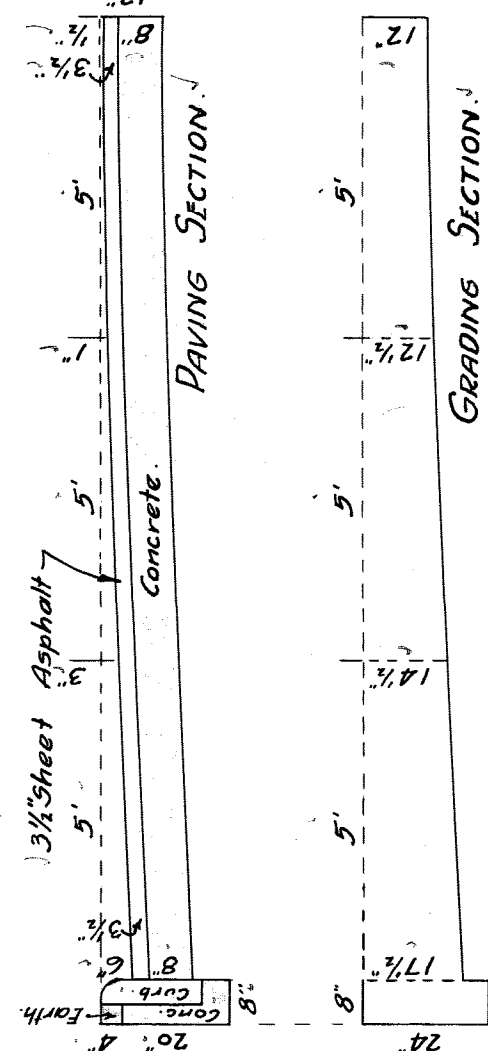


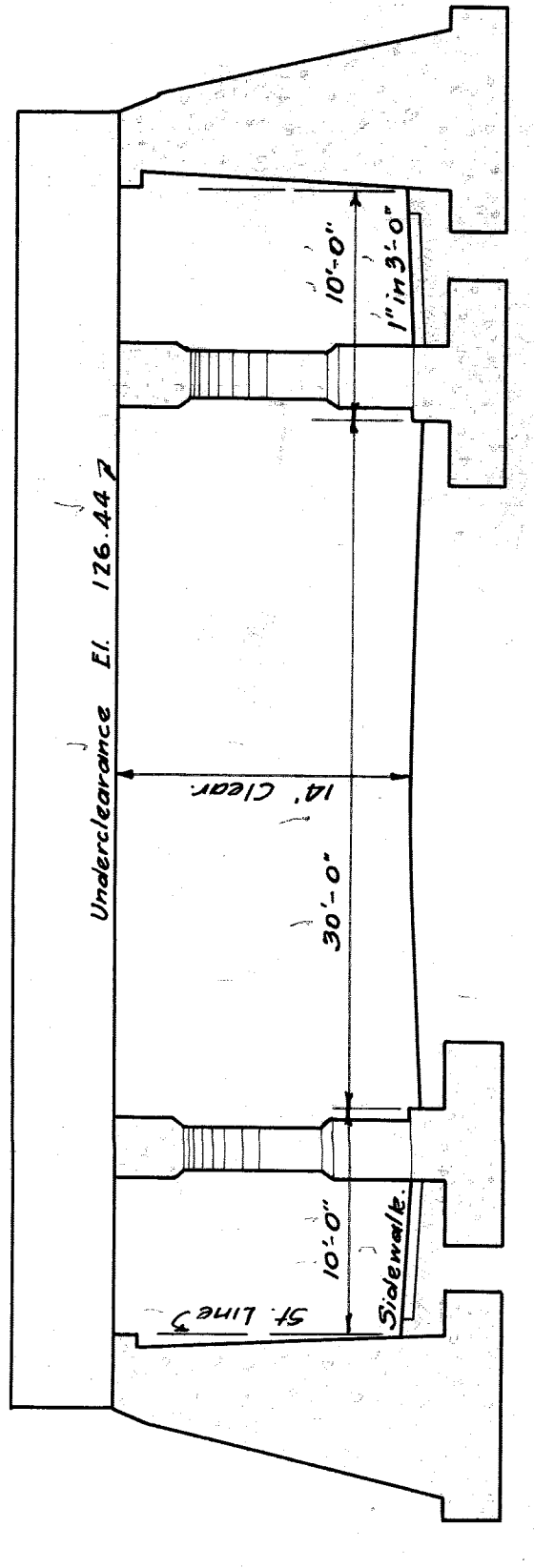
PROFILE ON MCKINLEY AVE.
Scales: Hor. 1" = 40' Ver. 1" = 10'



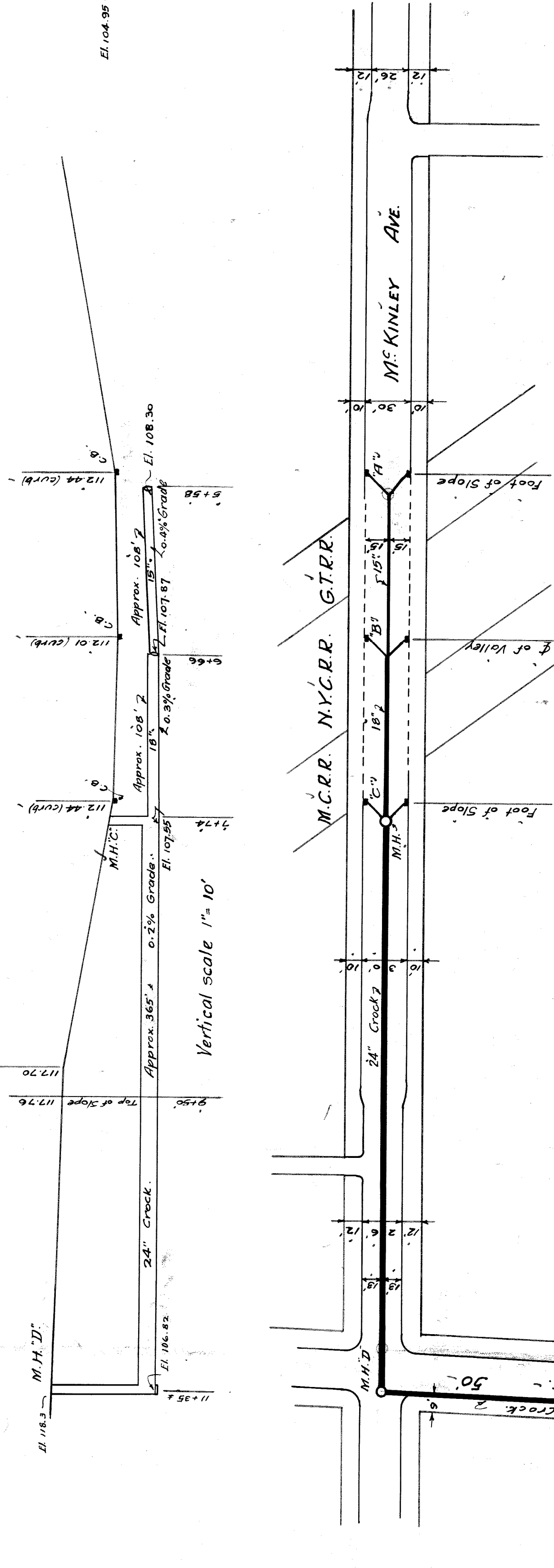
REVERSE CURVE
for widening pavement 26 to 30'



30' ASPHALT ROADWAY.



SECTIONAL ELEVATION OF SUBWAY.
Scale: 1/8" = 1'-0"

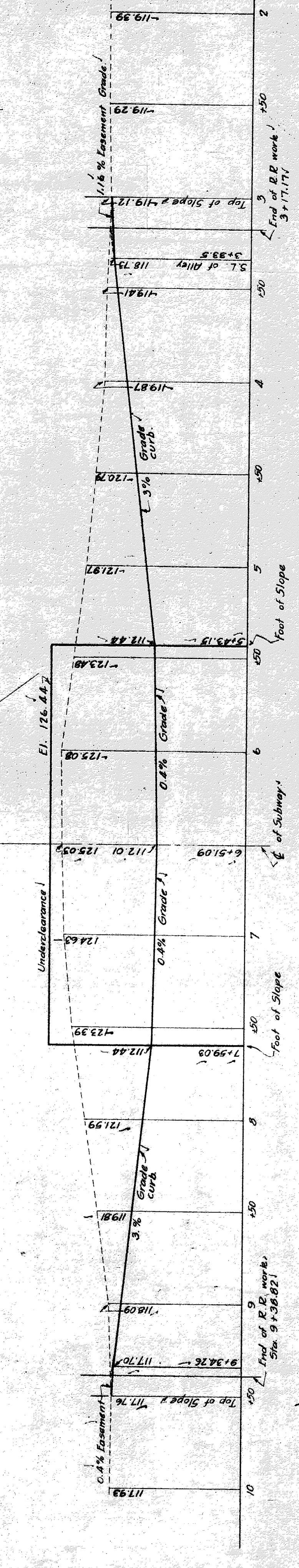
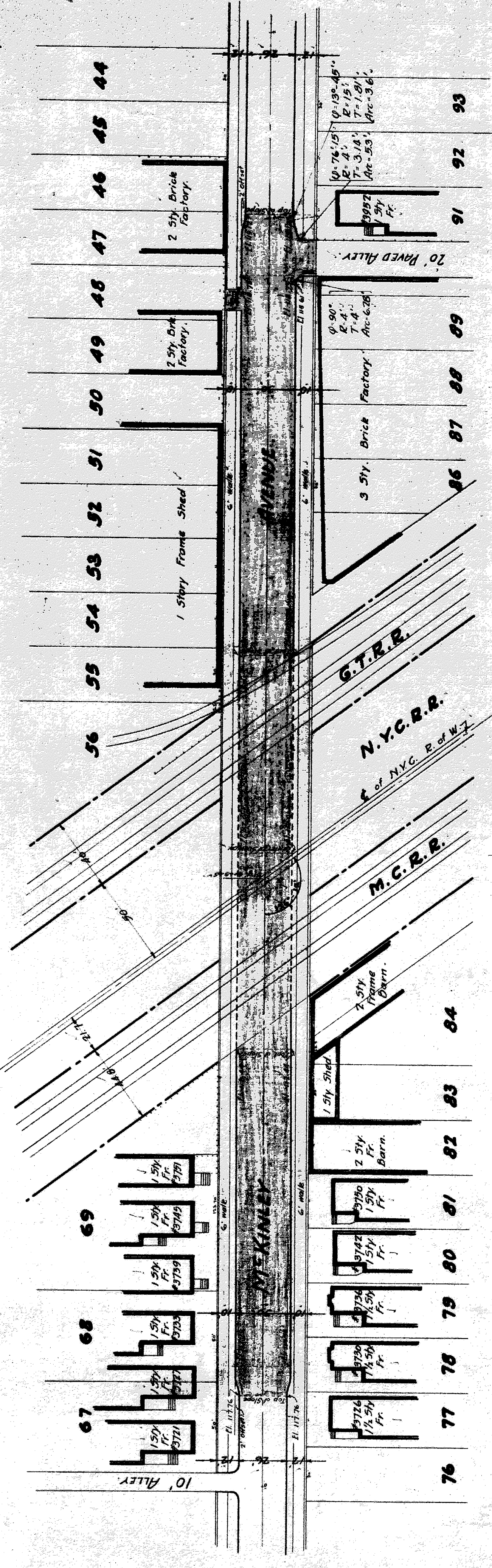
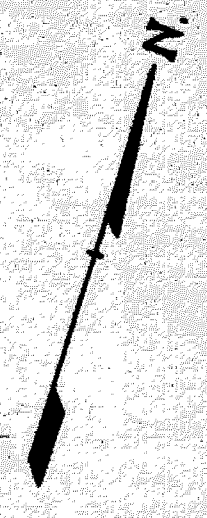


MAGNOLIA ST. SEWER PROFILE.
Scales: Hor. 1" = 60' Ver. 1" = 10'

Approved:
City Engineer *Wm. J. Ferris*
Asst. Chief Engineer *M.C.R.R. [Signature]*
Chief Engineer *G.T.R.R. [Signature]*

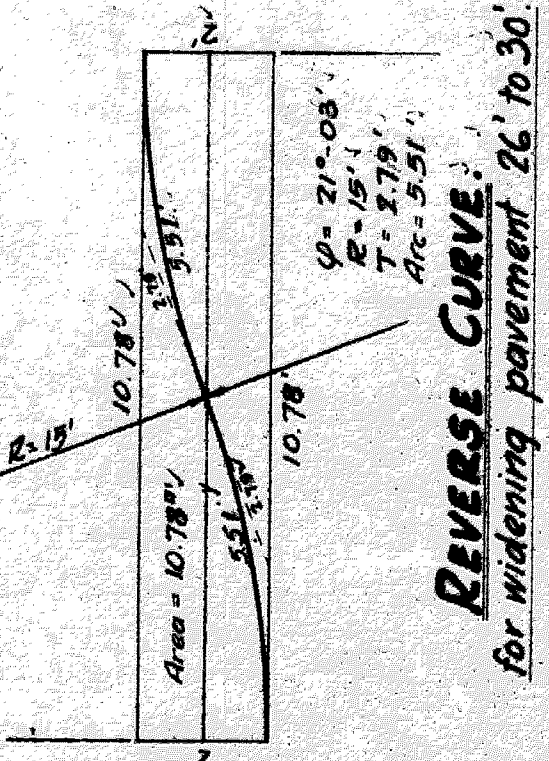
CITY OF DETROIT.
DEPARTMENT OF PUBLIC WORKS.
OFFICE OF CITY ENGINEER.
DIVISION OF GRADE SEPARATION & BRIDGES.
M^c KINLEY AVE.

SCALES AS INDICATED.
REVISION - 0/14/25 DRAINAGE ROAD.
DR. BY *M.J.G.*
CHIEF D.Y.S. *[Signature]*
7-25-25
Field Books: 1495 - 1496 - 1497 - 1498 - 1499 - 1500 - 1501 - 1502 - 1503 - 1504 - 1505

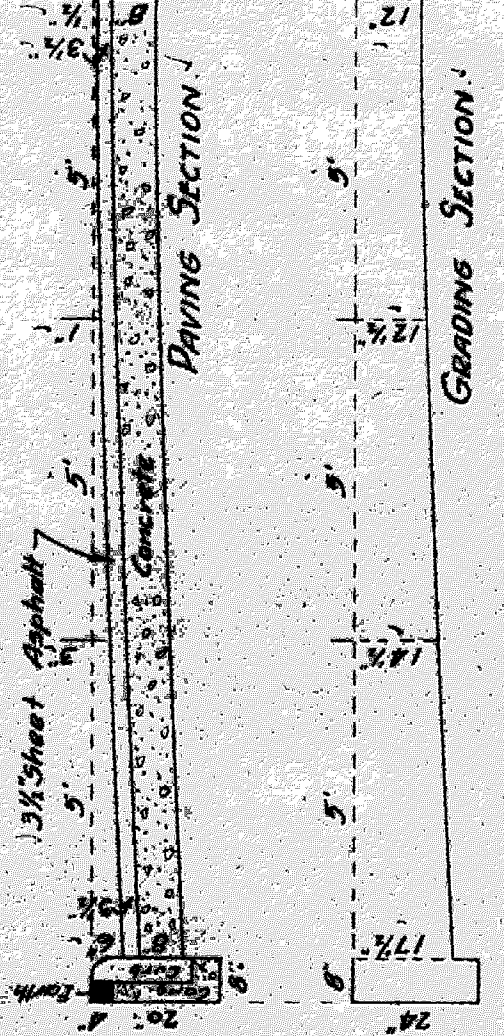


PROFILE ON MCKINLEY AVE.

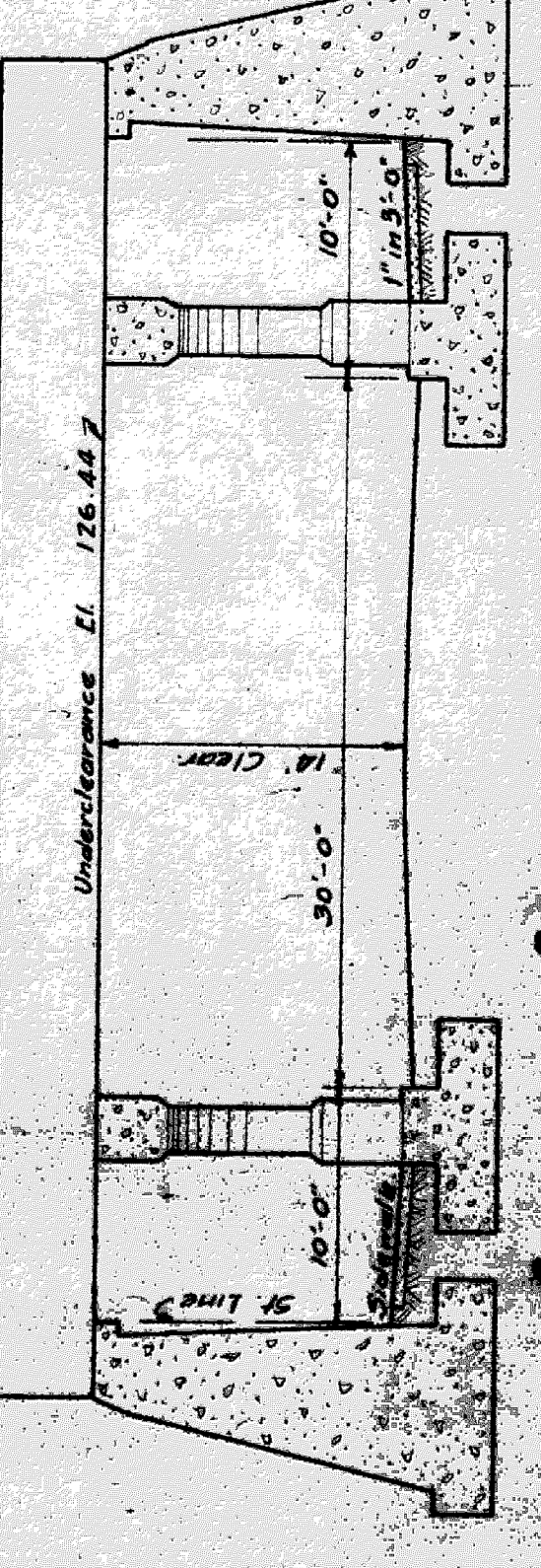
Scales: Hor. 1" = 40'
Vert. 1" = 10'



REVERSE CURVE
for widening pavement 26 to 30'



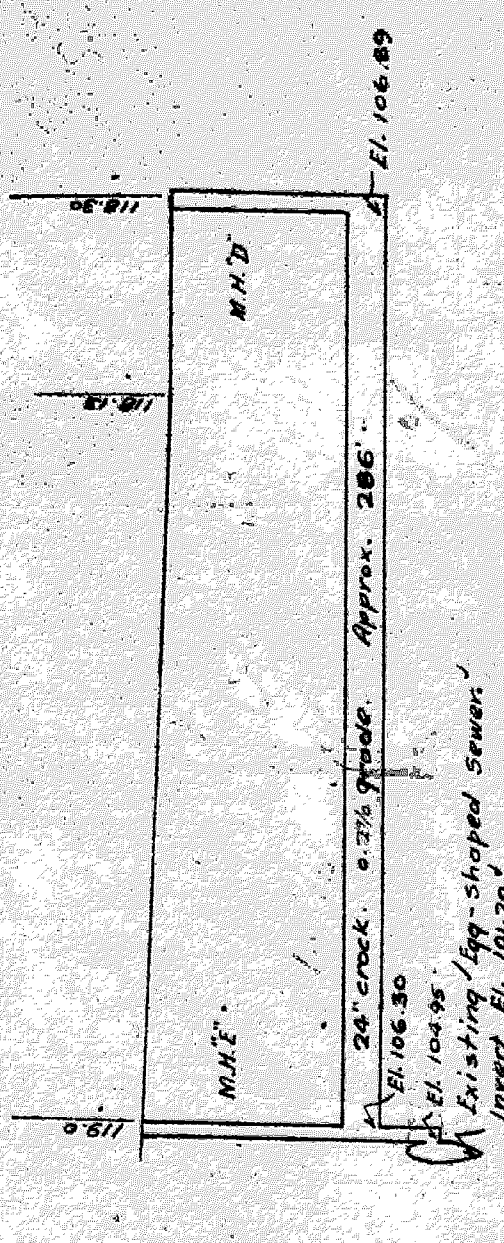
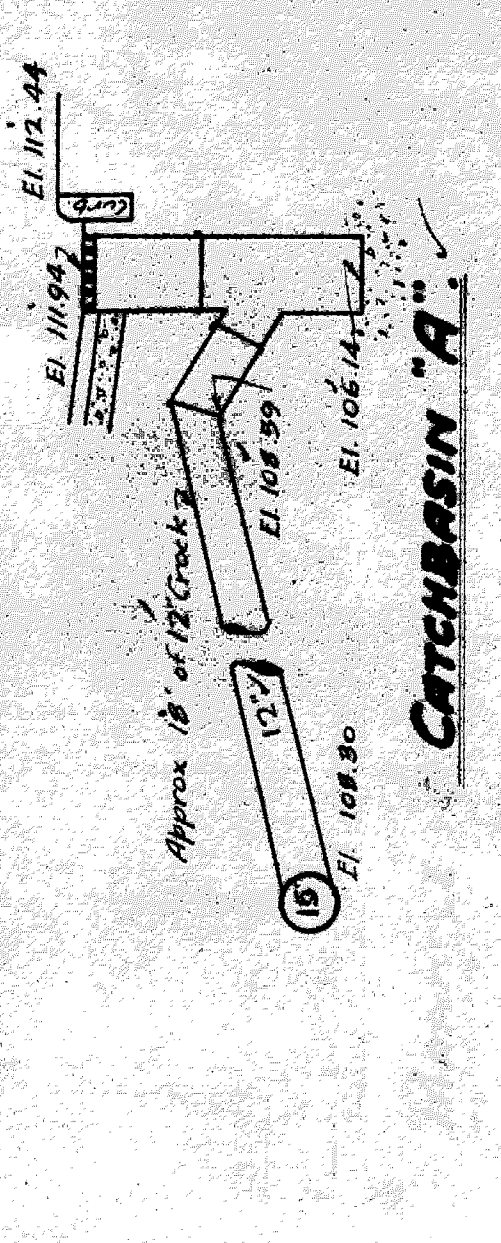
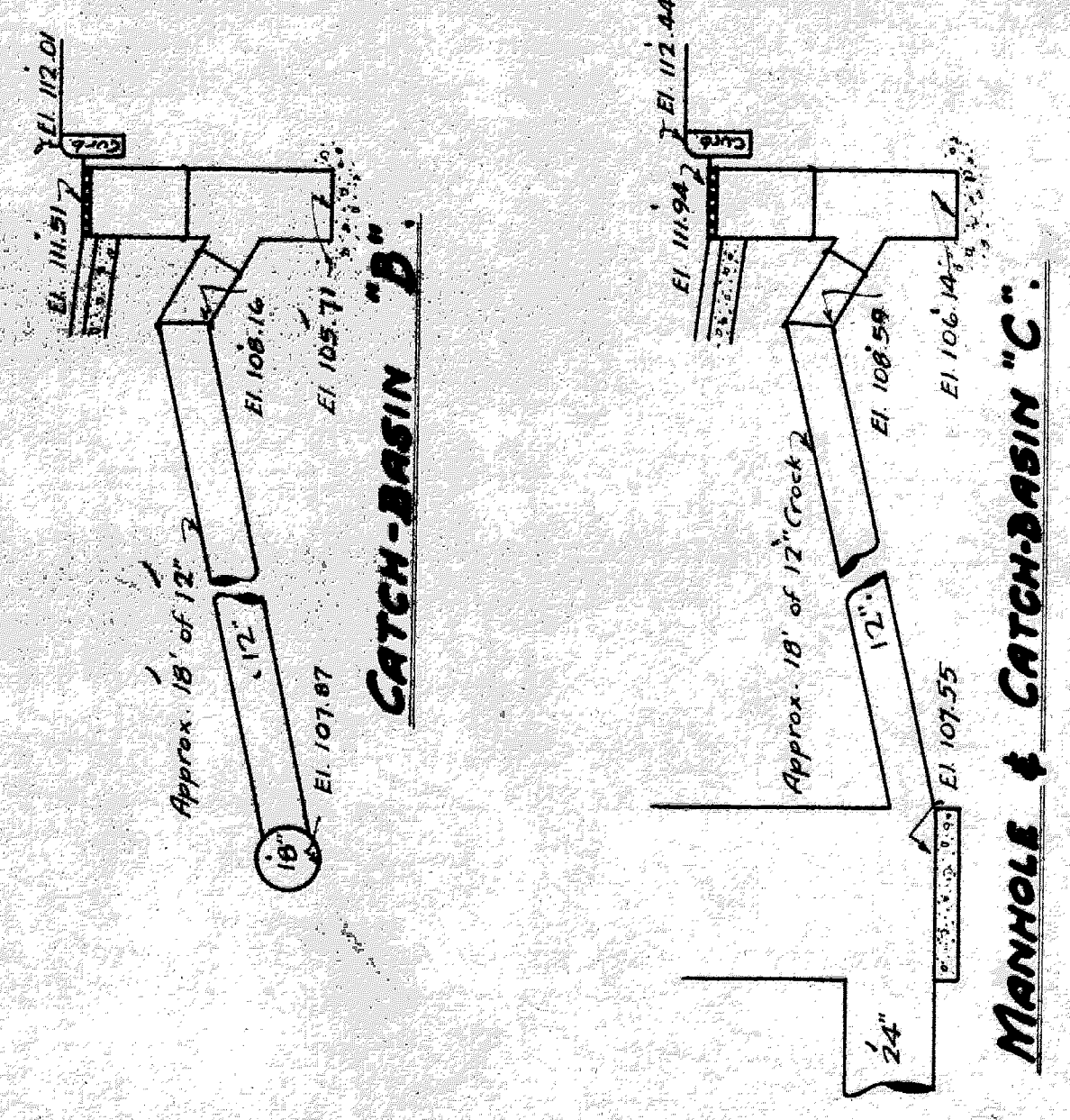
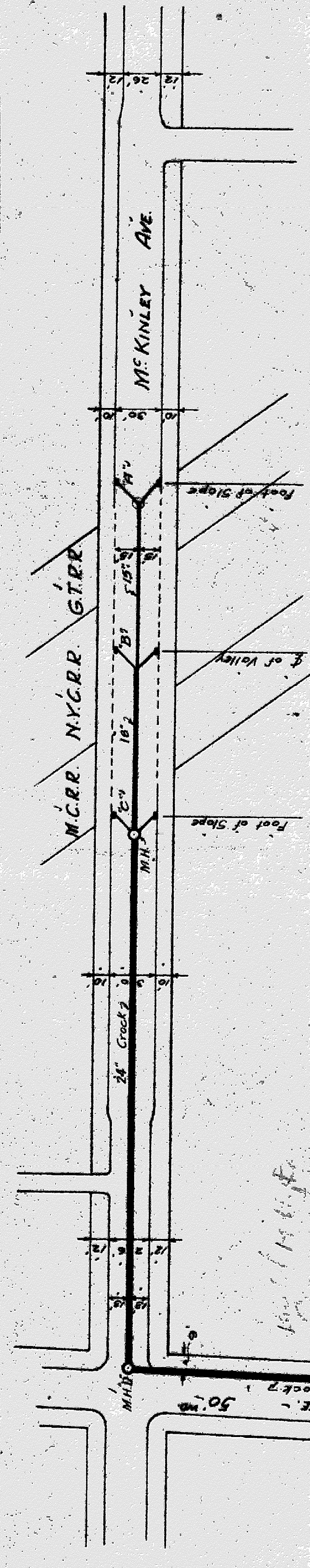
30' ASPHALT ROADWAY



SECTIONAL ELEVATION OF SUBWAY

MCKINLEY AVE. DRAINAGE PLAN & PROFILE

Scale 1" = 40'



MAGNOLIA ST. SEWER PROFILE

Scales: Hor. 1" = 40'
Vert. 1" = 10'

DO NOT TAKE OFF

Approved:
City Engineer
Chief Engineer M.C.R.R.
Chief Engineer G.T.R.R.

OFFICE CORY
CITY OF DETROIT.
DEPARTMENT OF PUBLIC WORKS.
OFFICE OF CITY ENGINEER.
DIVISION OF GRADE SEPARATION & BRIDGES.

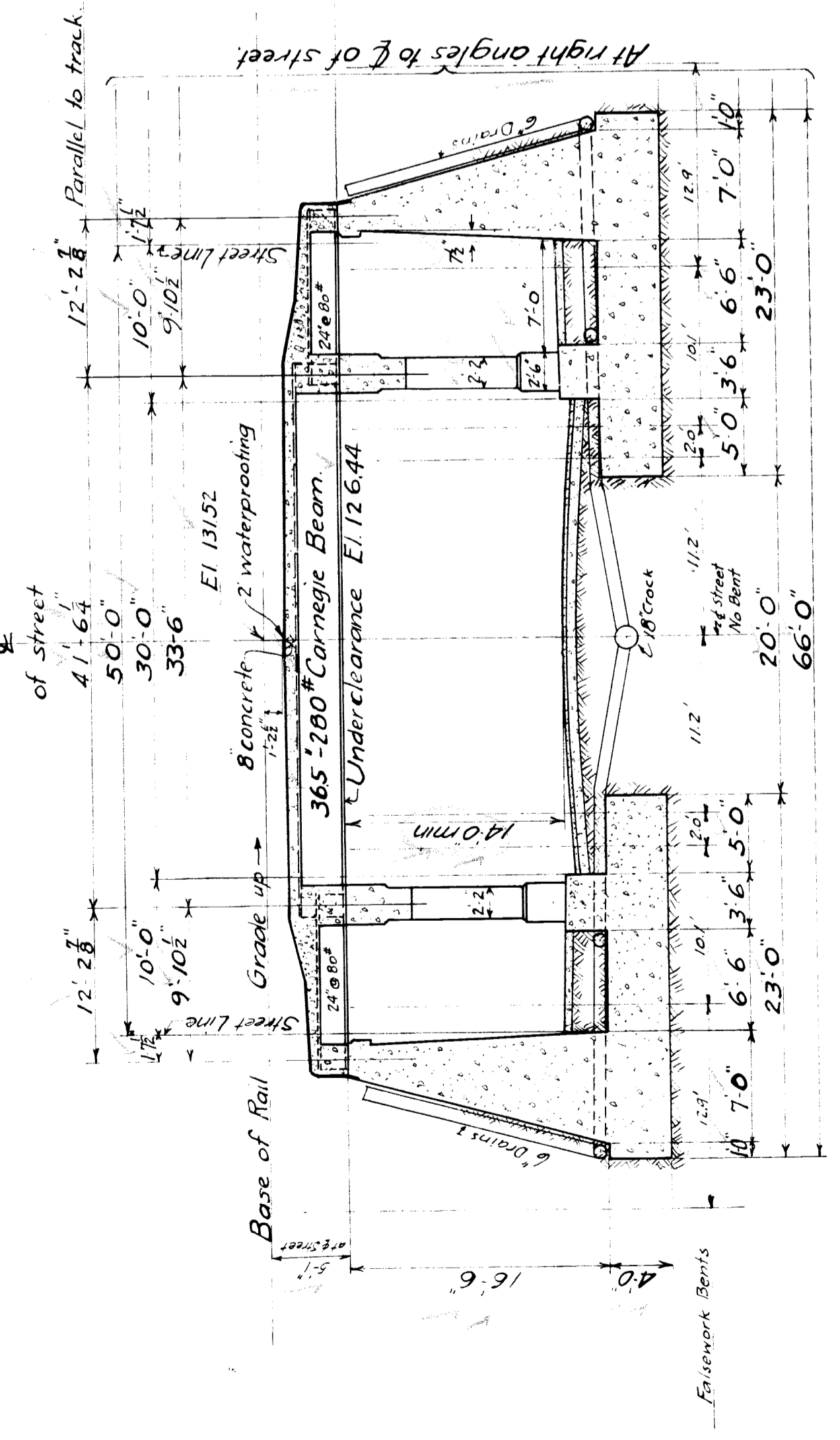
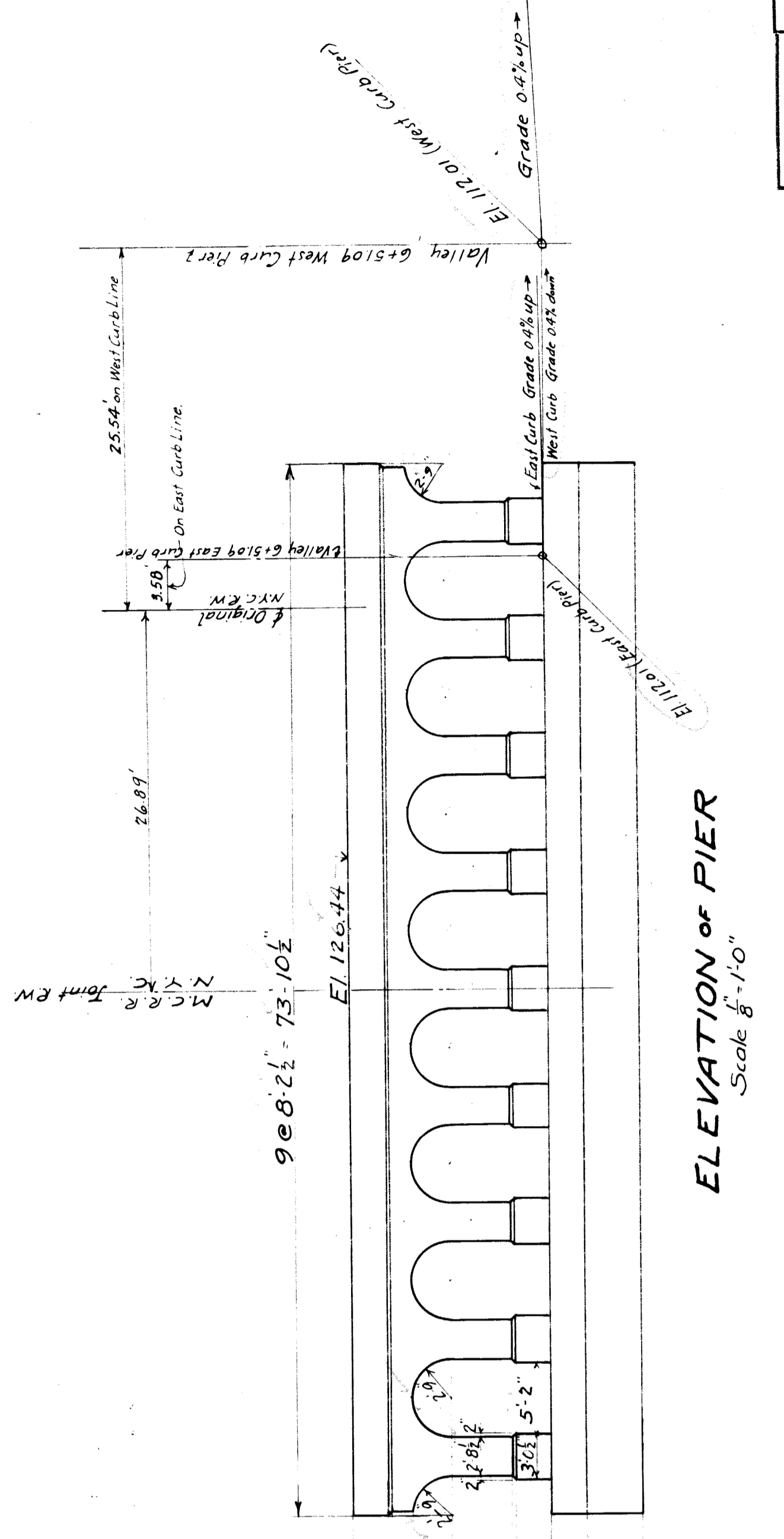
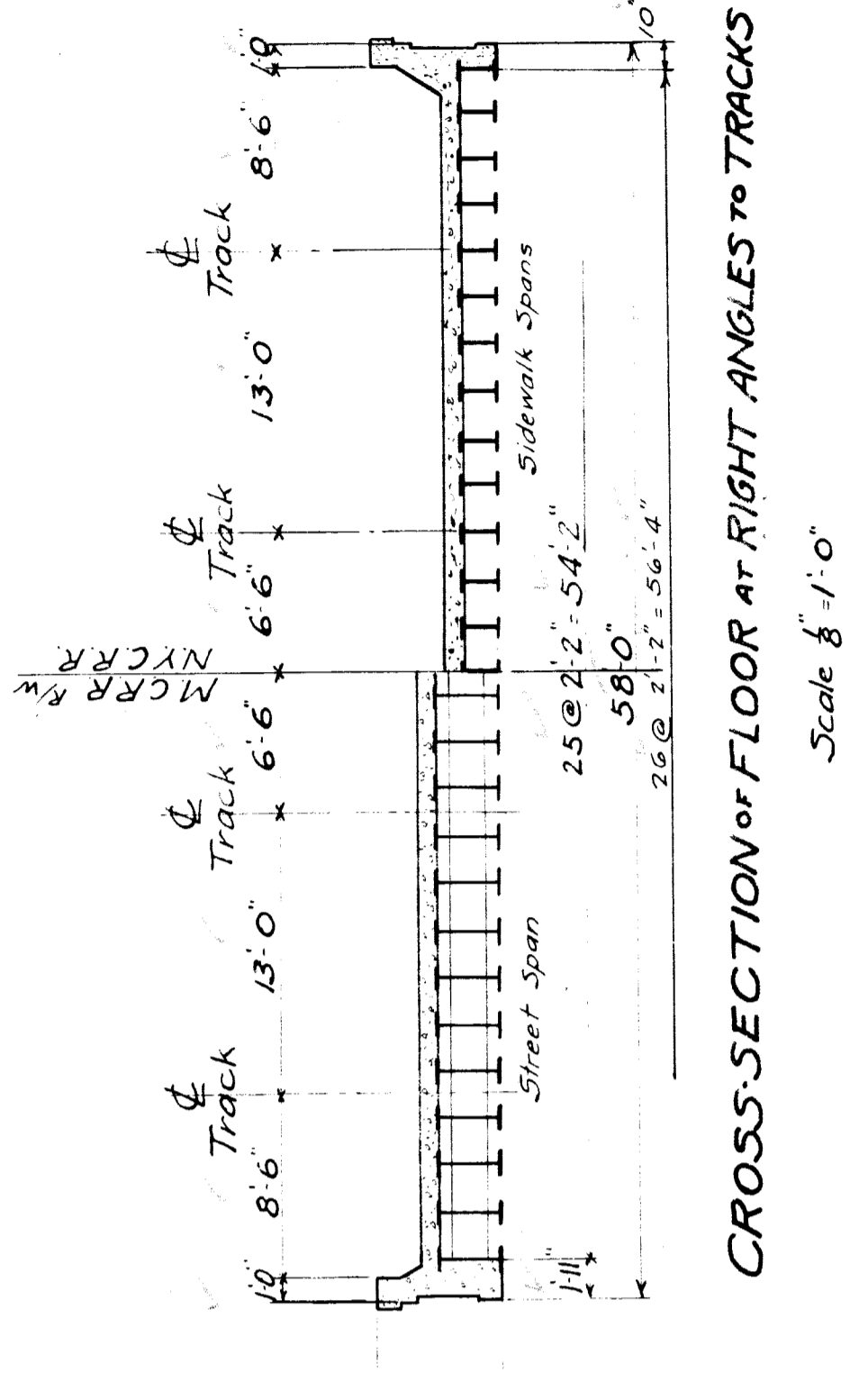
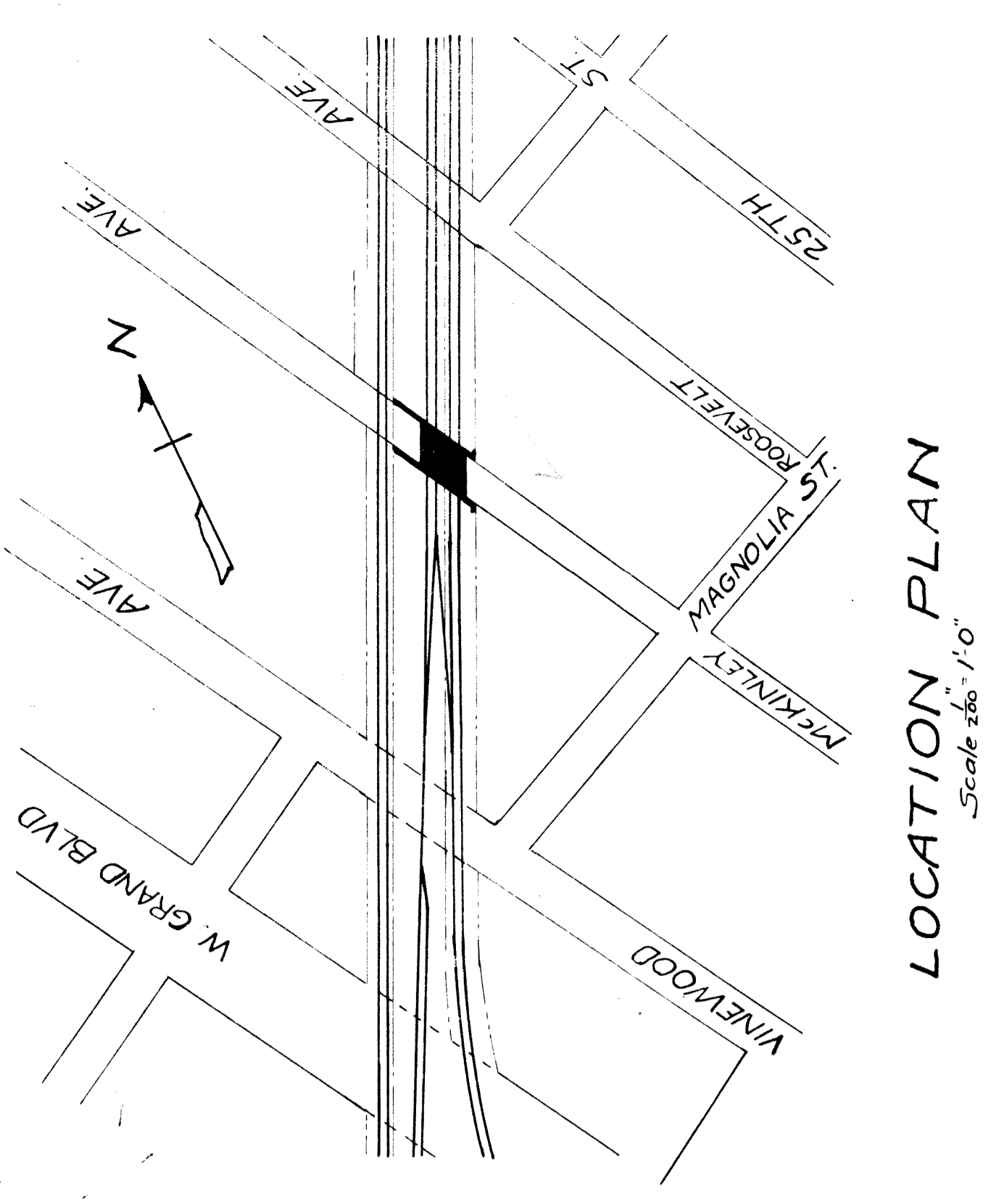
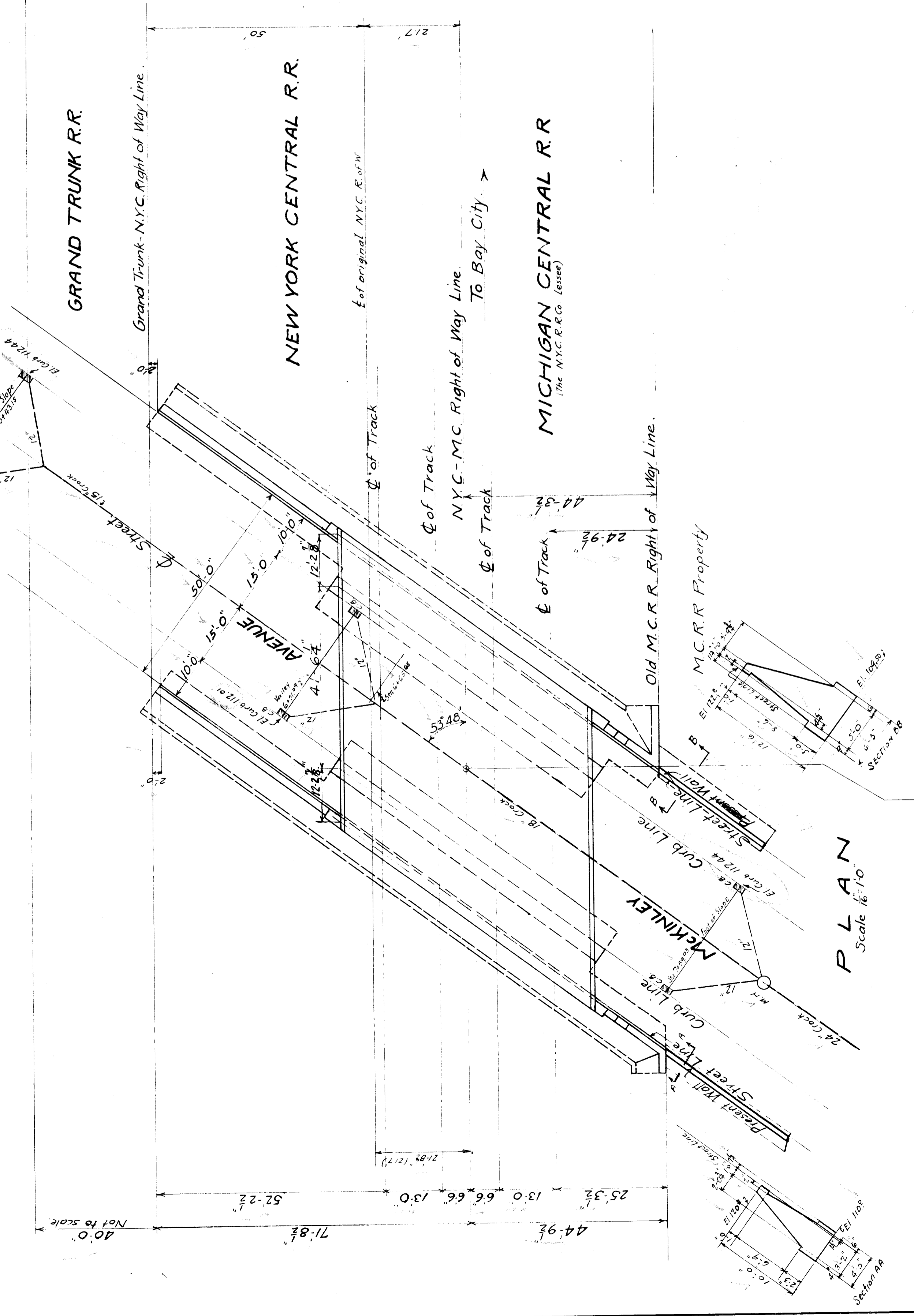
MCKINLEY AVE.

Subject as indicated.
Drawn by J.A.G.
Checked by G.A.J.
7-25-25

Revised: 6/14/25 (owner's name)

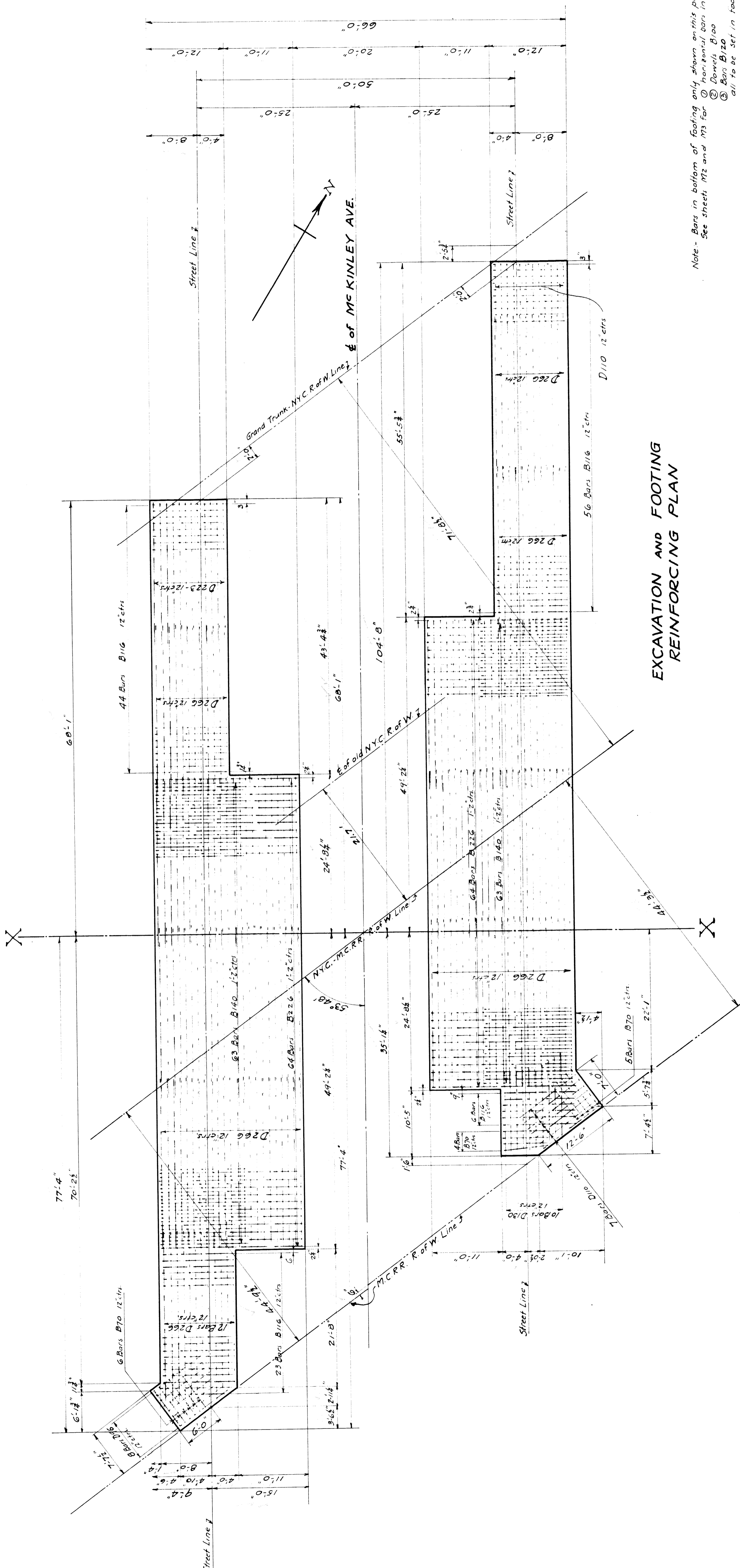
Field Books: W495 - W501 - W515.

File: YU 262



M.C.R.R.-BAY CITY DIV. BRIDGE 302 MCKINLEY AVE SUBWAY	
GENERAL PLAN	
SCALE 1/8" = 1'-0" DRAWN BY - CLACK 12-16-1922 CHECKED BY - WEXLER 1-5-1923 TRACED BY - CLACK 12-16-1922	SHEET G1 OF 1
APPROVED BRIDGE ENGINEER	ISSUE NO. 2 DATE

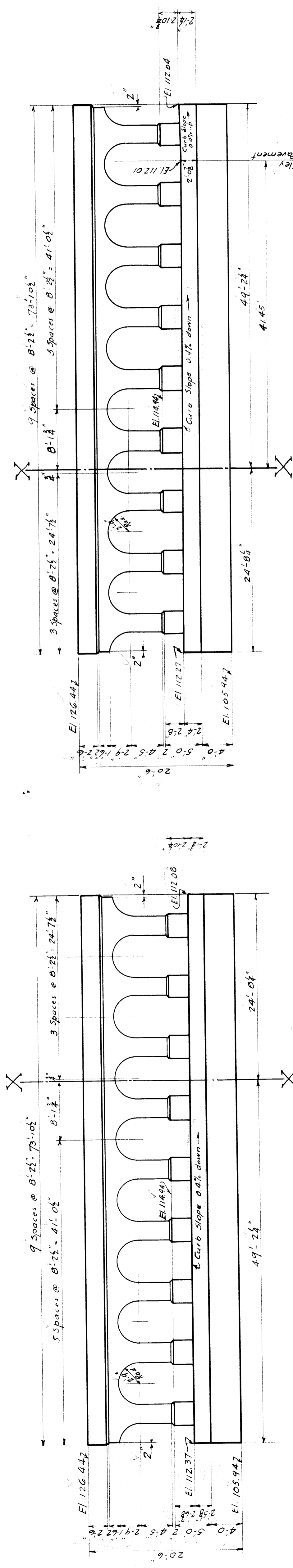
File XU25-3



EXCAVATION AND FOOTING REINFORCING PLAN

Note: Bars in bottom of footing only shown on this plan
 See sheets M3 and M3 for
 (1) horizontal bars in tops of footings
 (2) Dashed Bars
 (3) Bars B120
 all to be set in footing

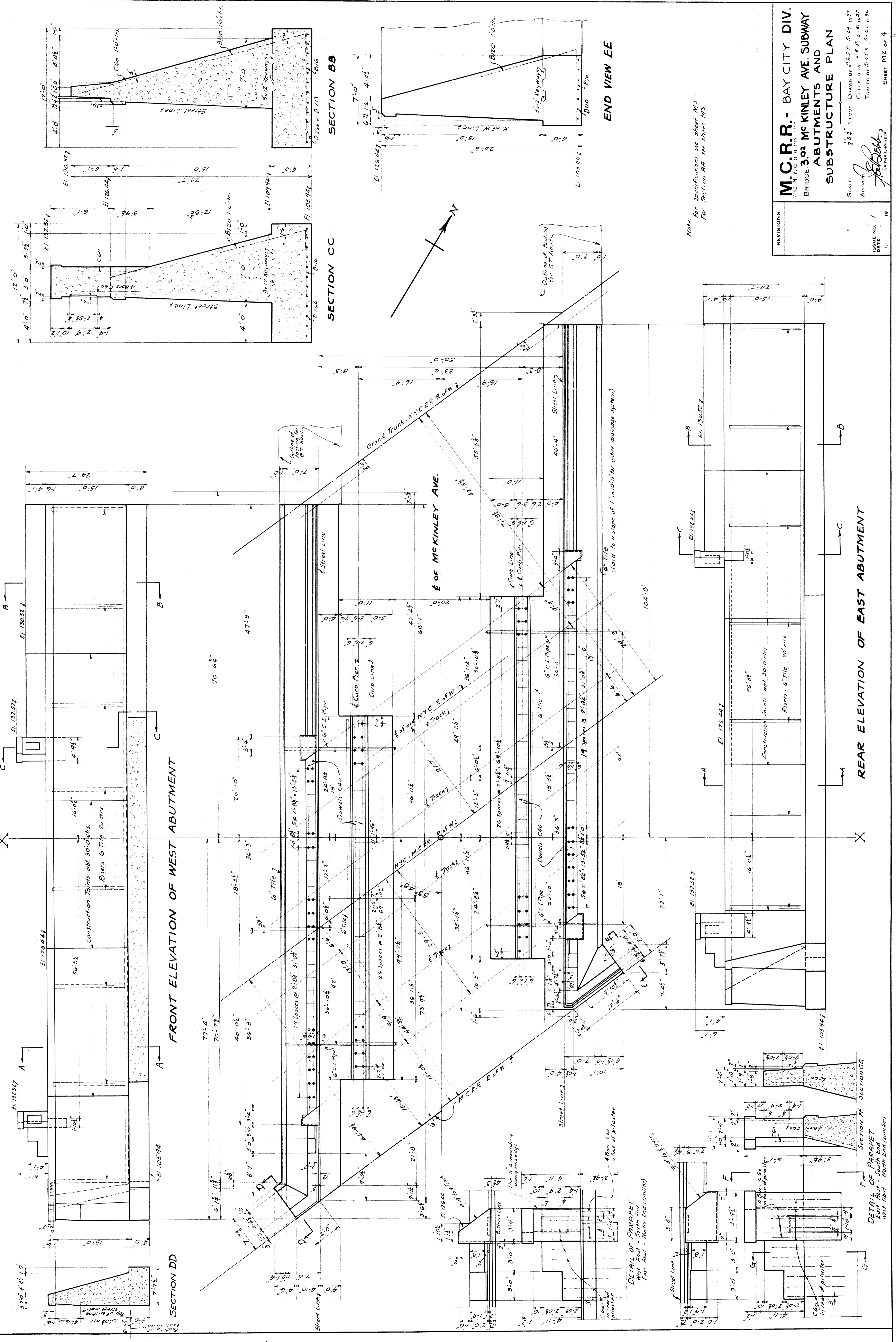
Note: For specifications see sheet M3



ELEVATION OF WEST CURB PIER
 (Looking West)

ELEVATION OF EAST CURB PIER
 (Looking West)

M.C.R.R. - BAY CITY DIV. THE N. Y. C. R. R. CO. LESSEE BRIDGE 302 MC KINLEY AVE. SUBWAY FOOTING PLAN AND PIER ELEVATIONS	
SCALE: 1" = 10' APPROVED: <i>[Signature]</i> BRIDGE ENGINEER	DRAWN BY: B.K.K. 5-6-33 CHECKED BY: L.B.P. 5-12-33 TRACED BY: J.P.M. 5-16-33
SHEET NO. 19 DATE:	SHEET M1 OF 4 FILE XU 25-A



Note: For Specifications see sheet M3.
For Section AA see sheet M3.

M.C.R.R. - BAY CITY DIV. BRIDGE 302 MC KINLEY AVE. SUBWAY ABUTMENTS AND SUBSTRUCTURE PLAN	
SCALE: 1/8" = 1 FOOT APPROVED: <i>[Signature]</i> BRIDGE ENGINEER	DRAWN BY: J.S.K. 5-24-1933 CHECKED BY: C.M. 5-25-1933 TRACED BY: G.K.A. 5-25-1933
REVISIONS ISSUE NO. 1 DATE	SHEET M2 OF 4 FILE XU25-5

FRONT ELEVATION OF WEST ABUTMENT

REAR ELEVATION OF EAST ABUTMENT

SECTION DD

SECTION CC

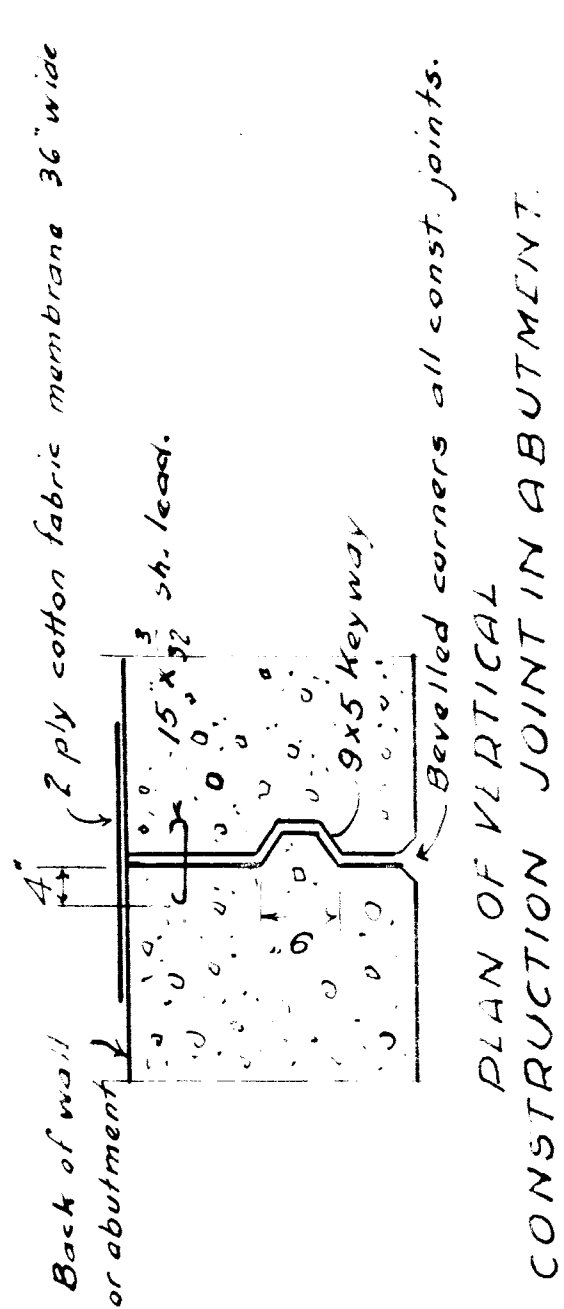
SECTION BB

END VIEW EE

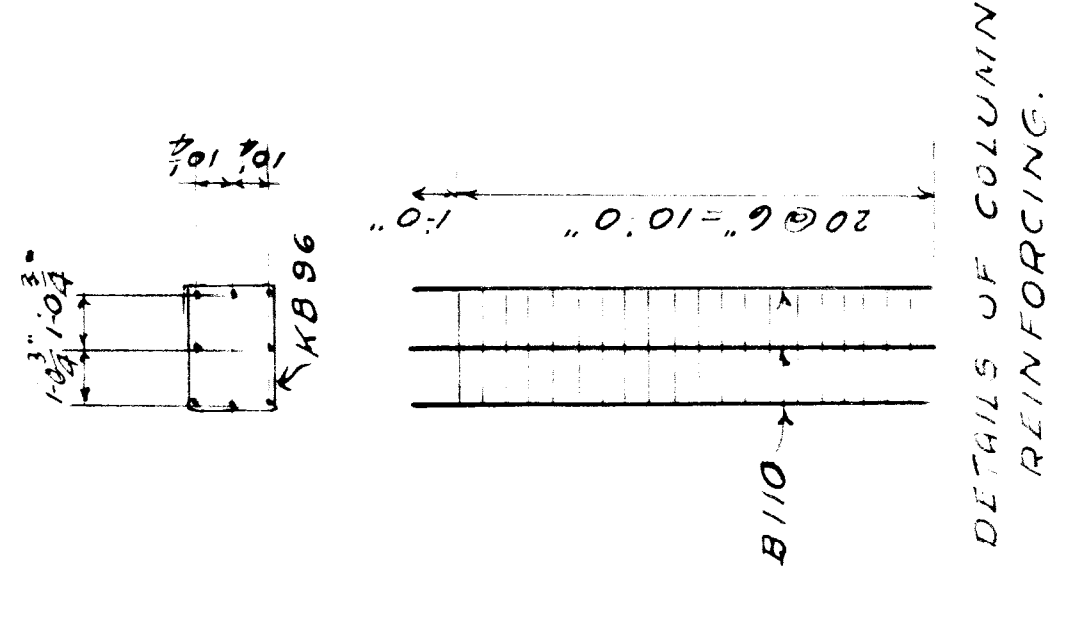
SECTION FF

DETAIL OF PARAPET
West Abut. - South End
East Abut. - North End (similar)

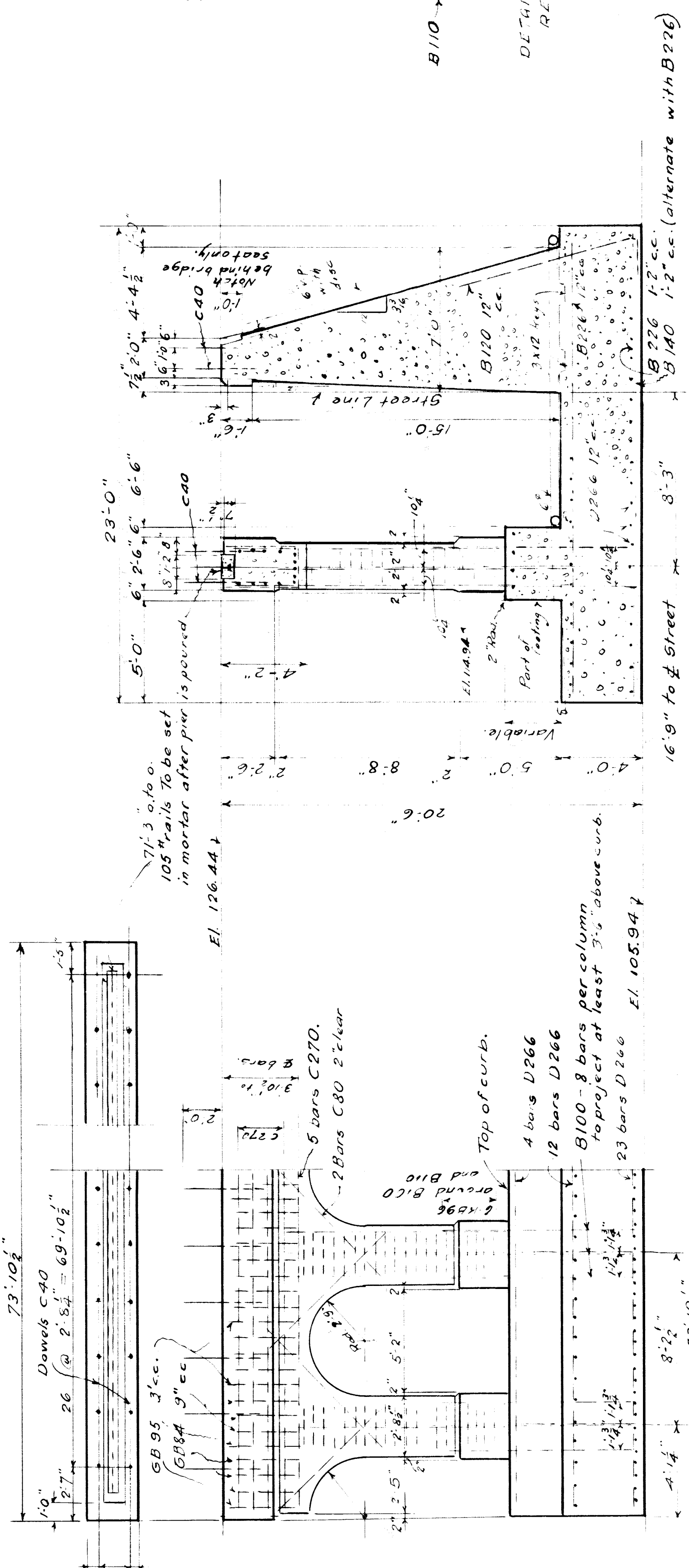
DETAIL OF PARAPET
West Abut. - South End
East Abut. - North End (similar)



PLAN OF VERTICAL CONSTRUCTION JOINT IN ABUTMENT.

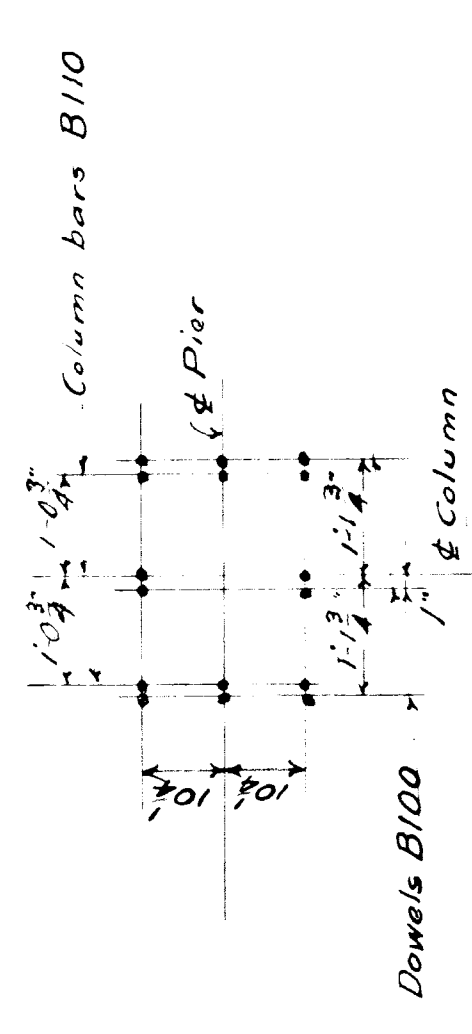


DETAILS OF COLUMN REINFORCING.



SECTION AA

DETAILS OF SIDEWALK PIER



DETAIL FOR SETTING COLUMN BARS & DOWELS.

BILL OF BARS (5-substructure only)

MARK	NO.	SIZE	LENGTH	REMARKS
D110	19	3/8"	11'-0"	Qty. in E. Abut. Footg.
D130	10	1/2"	13'-0"	"
D156	8	5/8"	9'-6"	Long. in W. abut. Footg. Cut D190
D223	12	1/2"	22'-9"	"
D266	282	3/8"	26'-6"	Long. in all footgs.
C40	210	3/8"	4'-0"	Dowels in tops of piers & abuts.
C60	141	1/2"	6'-0"	" " back wall.
C80	72	5/8"	8'-0"	Diagonals over arches.
C270	78	1/2"	27'-0"	Long. in tops of piers.
B70	15	1/2"	7'-0"	Transv. Abut. Footg.
B100	144	1/2"	10'-0"	Dowels in E. Footg.
B110	144	1/2"	11'-0"	Vertical Cols.
B116	27	1/2"	11'-6"	Transv. Abut. Footgs.
B120	27	1/2"	12'-0"	Butt. Dowels Abut.
B140	27	1/2"	14'-0"	Transv. Abut. Footgs.
B226	278	3/8"	22'-6"	"
G884	160	1/2"	8'-4"	Stirrups in Piers
G895	82	1/2"	9'-5"	"
G896	360	3/8"	9'-6"	Col. Hoops.

GENERAL NOTES

Specifications: NYC Lines for Concrete Masonry 1928.
 Concrete: For Piers above El. of Curb to be Class A" (4.75 gals. of water per sack of cement and 7.25 sacks of cement per cu. yd. of concrete).
 Other concrete to be Class B" (6.25 gals. of water per sack of cement and 5.25 sacks of cement per cu. yd. of concrete).
 Seal all exposed corners 3" unless otherwise shown.
 Top surfaces to have a sidewalk finish. No horizontal construction joints except at tops of footings and at copings. Exposed surfaces to be rubbed as soon as forms are removed. Neat cement grout not to be used in patching or rubbing.
 Reinforcing: All bars to be of a deformed type. They shall be securely wired together at intersections and at splices they shall lap for 40 diameters and be securely wrapped with wire. See 809 of specs. for placing.
 Waterproofing: Backs of abutments and walls to be given 1 coat of concrete primer and 2 mop coats of asphaltic waterproofing cement.
 Drains shall be laid with sufficient fall to drain properly and be connected to City sewer by Contractor.

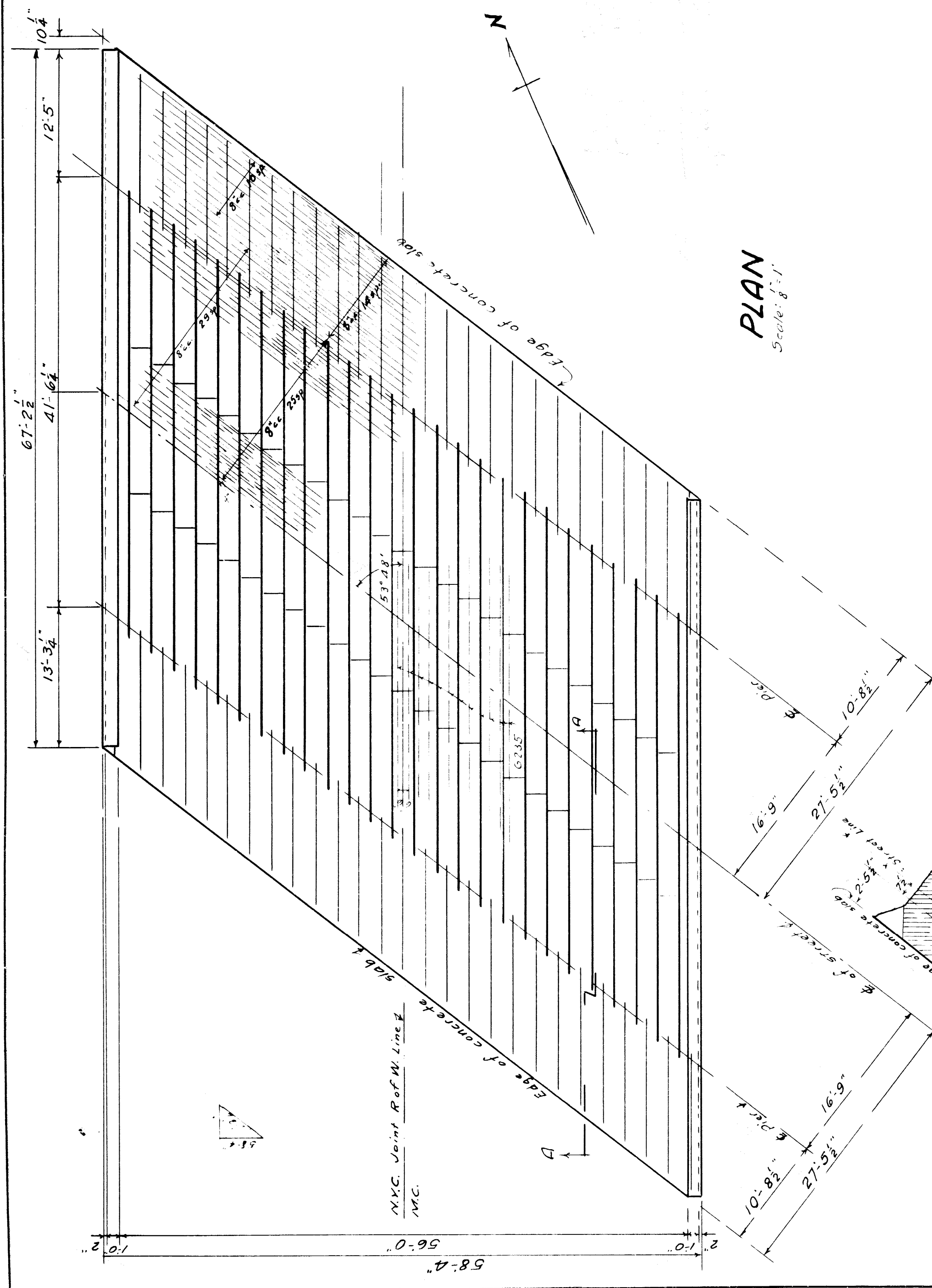
REVISIONS

M.C.R.R.-BAY CITY DIV.
 THE N.Y.C.R.R. CO. LESSEE
 BRIDGE 302 MCKINLEY AV. G.D. SEPN.

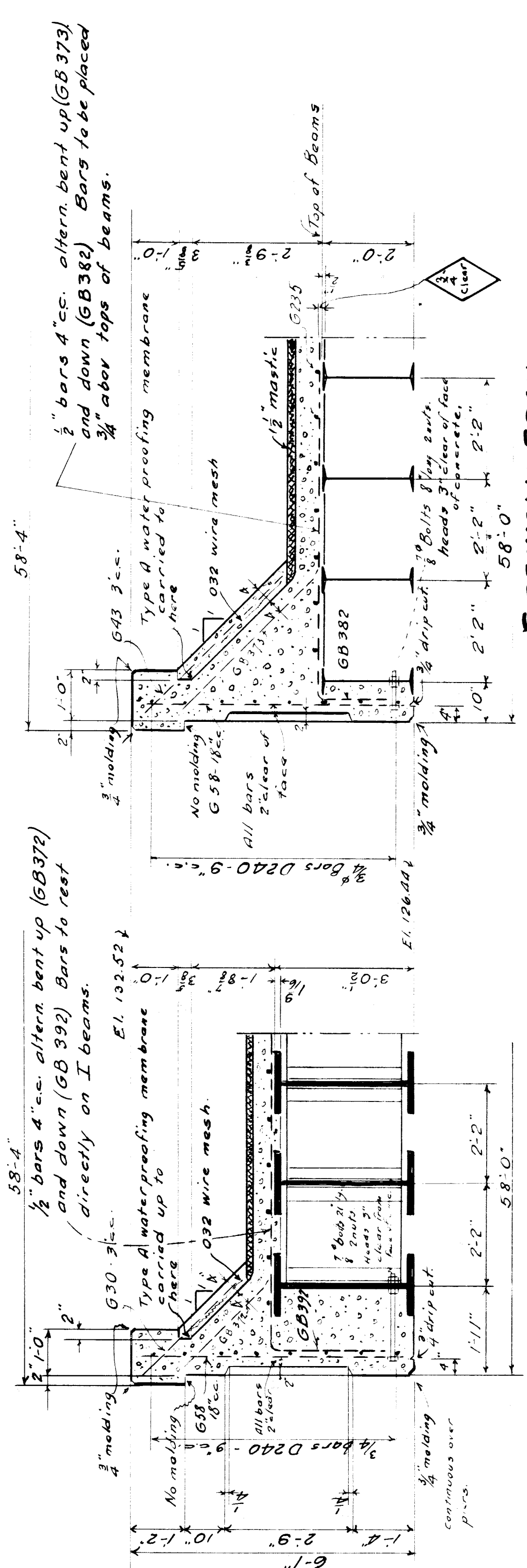
MASONRY DETAILS

SCALE: 1" = 1' 0"
 DRAWN BY: J.B.G. 5/24/1933
 CHECKED BY: B.A.J. 6-1-1933
 TRACED BY: [Signature]
 APPROVED: [Signature]
 ISSUE NO. 1
 DATE

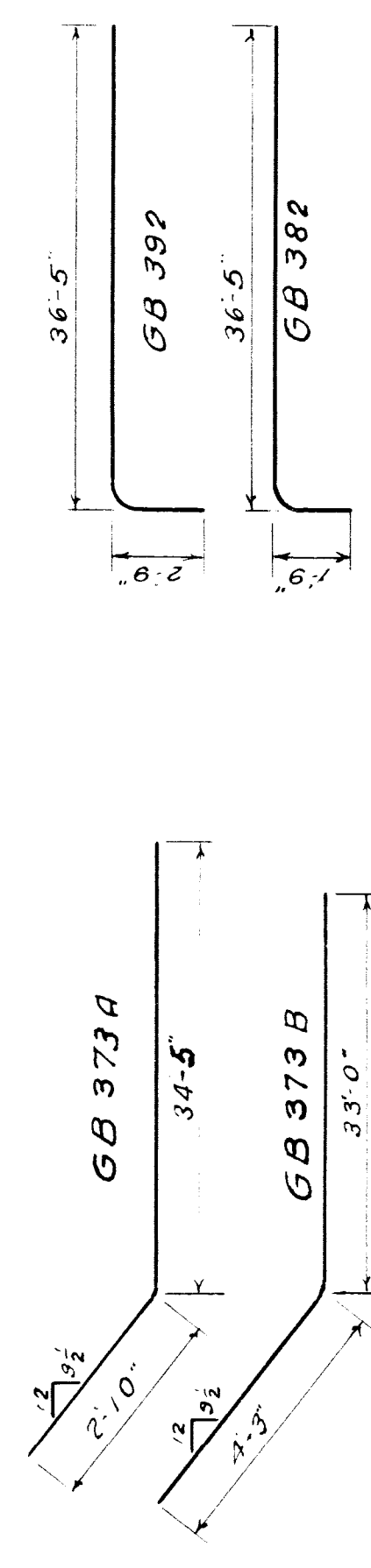
SHEET M3 OF 4
 File XU 25-6



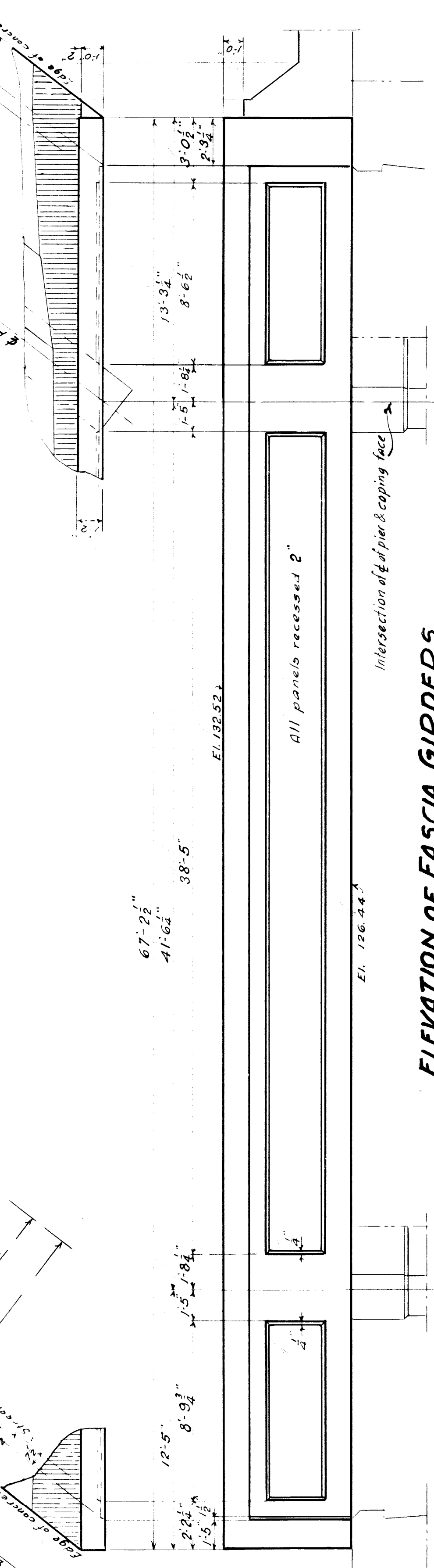
PLAN
Scale: 1/8" = 1'-0"



STREET SPAN
PART SECTIONS AT RIGHT ANGLES TO FASCIA GIRDERS



DETAILS OF BENT BARS

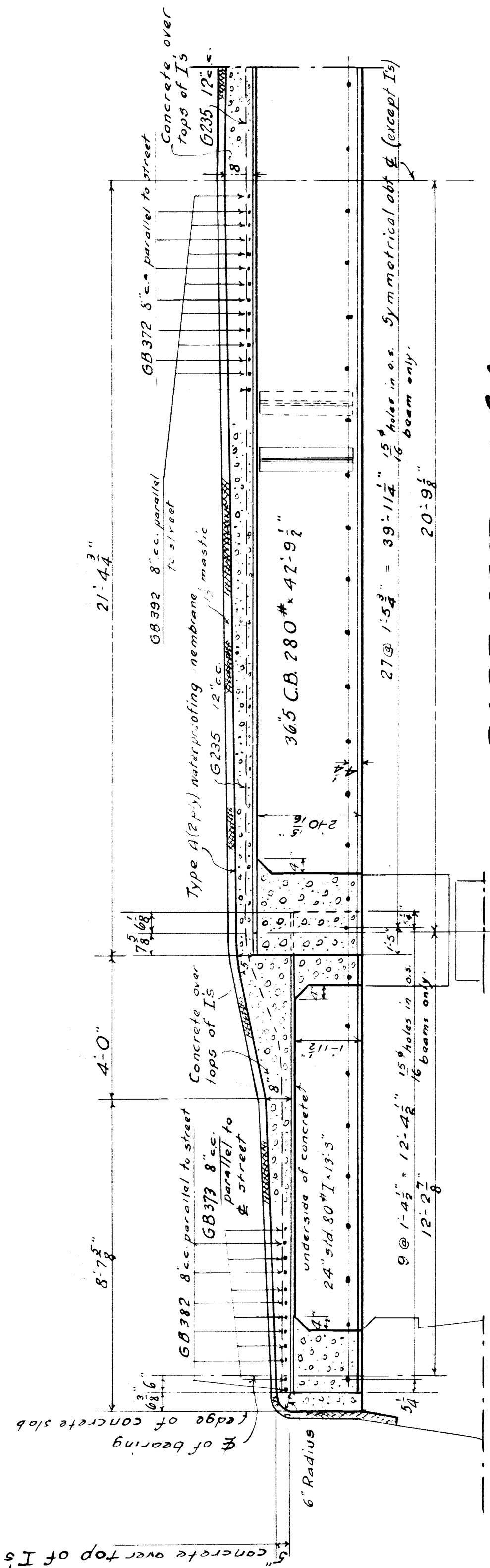


ELEVATION OF FASCIA GIRDERS
NOT SYMMETRICAL
Scale: 1/8" = 1'-0"

BILL OF BARS ETC. FOR FLOOR

MARK	NO.	SIZE	LENGTH	REMARKS
G30	36	1/2"	3'-0"	Diag. in w.p. seal-street span.
G43	12	"	4'-3"	" " " " " " " " " " " "
G58	90	5/8"	5'-8"	Vertical-Fascia Bars.
G235	168	1/2"	23'-5"	Longitud. in slab
GB373A	44	3/8"	37'-3"	Transv. " street span.
GB373B	44	3/8"	37'-3"	" " " " " " " " " " " "
GB382	60	3/8"	36'-5"	" " " " " " " " " " " "
GB392	104	3/8"	36'-5"	" " " " " " " " " " " "
D240	48	3/4"	24'-0"	Longitud.-Fascia gairs.
Δ mesh			032 @ 20" x 20"	24" wide.
Bolts	40	3/4"	0'-8"	4" threads 2 hex nuts.
"	56	3/4"	1'-9"	" " " " " " " " " " " "

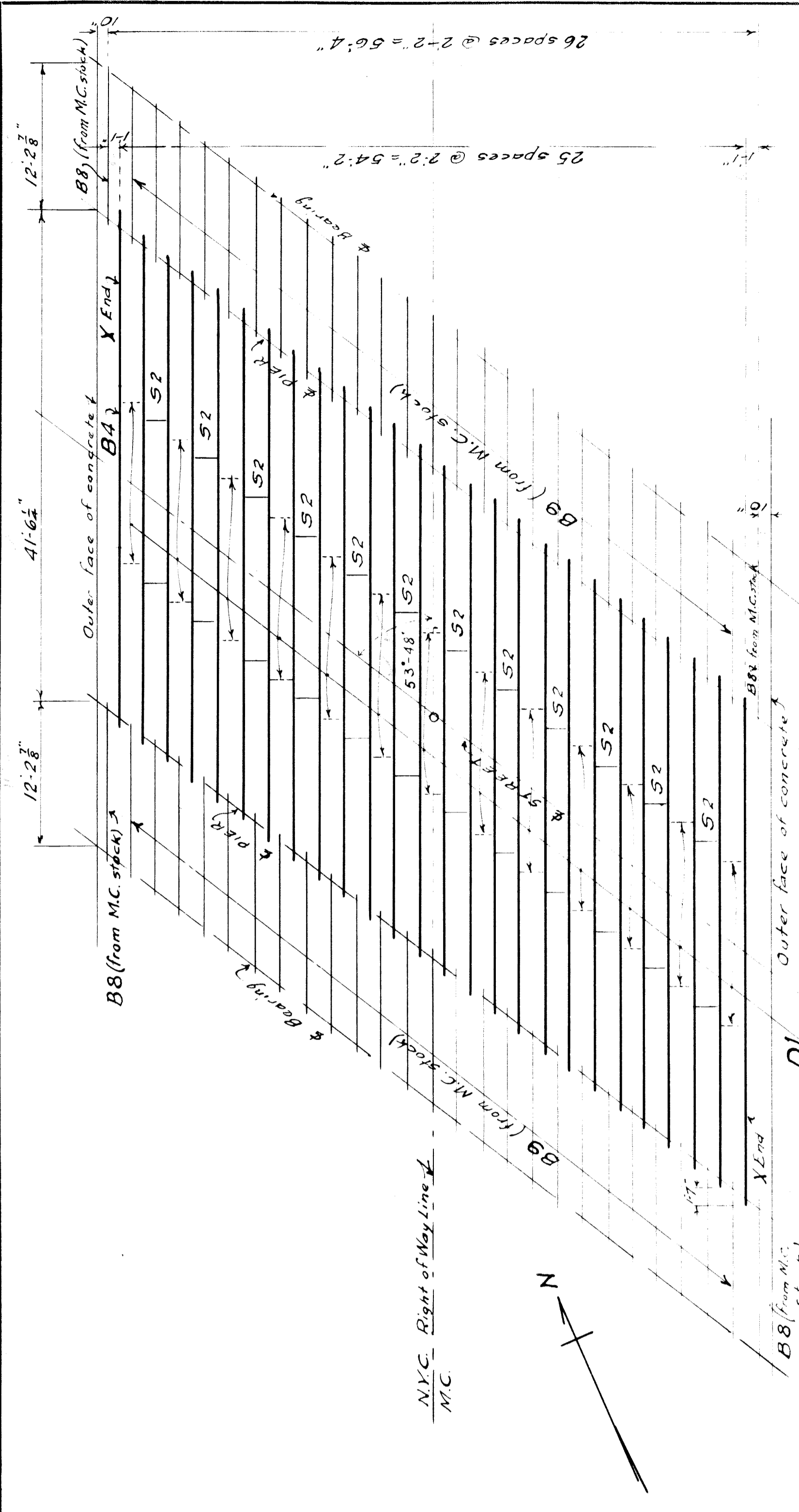
GENERAL NOTES
Specifications: N.Y.C. Lines for Concrete Masonry 1928.
Concrete to be class A, see 8801 and 8103.
Bevel all exposed corners 3/8" unless otherwise noted.
Exposed top surfaces to have a sidewalk finish.
All exposed surfaces to be rubbed as soon as forms are removed unless otherwise directed by the Engineer.
Neat cement grout must not be used in patching or rubbing.
Reinforcing: All bars to be securely wired together at intersections 12" or more c.c.
At splices bars shall lap for a length of 40 diams. and be securely wired together. See 8509 for placing.
Waterproofing: N.Y.C. Lines 1925 Specifications for waterproofing floors of railroad bridges. Membrane Type A 21 Mastic 837



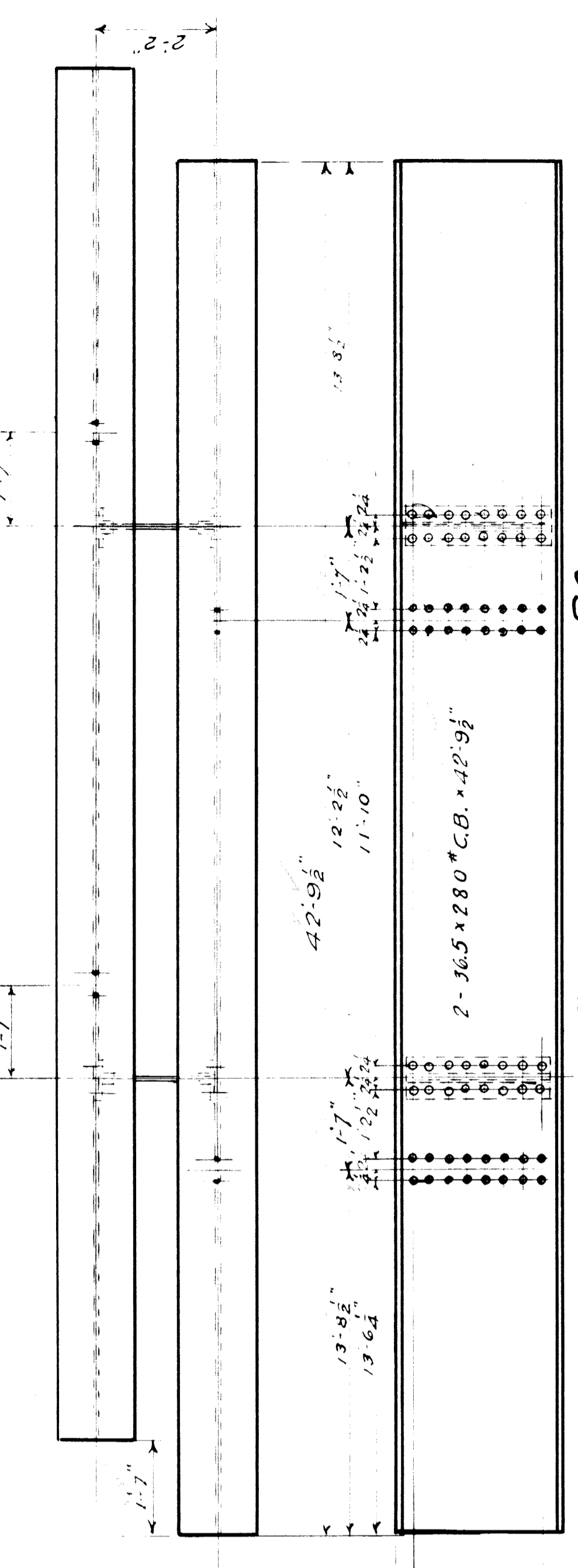
PART SECTION AA
Scale: 1/8" = 1'-0"

M.C.R.R.-BAY CITY DIV.
BRIDGE 302 MCKINLEY AV. SUBY.
FLOOR

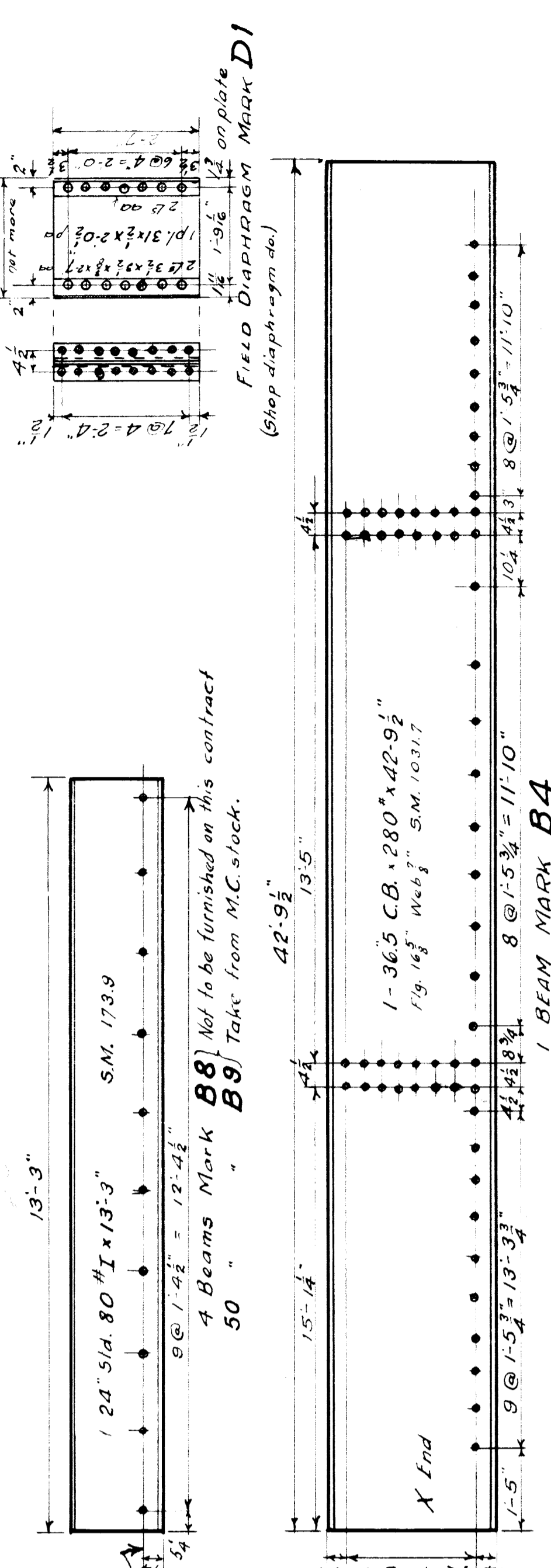
SCALE: 1/8" = 1'-0"
DRAWN BY: J.E.B. 5-10-1931
CHECKED BY: J.E.B. 5-16-1931
APPROVED: [Signature]
TRACED BY: L.B.H.
ISSUE NO. 19
DATE: 5-16-1931
SHEET: 14 OF 4



ERECTION DIAGRAM



1 FLOOR SECTION MARK S2



REQUIRED LIST

No. Req.	Description	Mark	Furnished by
12	Floor Sections	S2	Contract
2	36.5 x 280 C.B.s.	B4	"
26	Diaphragms	DI	"
900	3/4 x 3/8 bolts, nut, washer, lock wash.		"
50	Estimated wt (contract)	B8	M.C.R.R.
A.S.	Estimated wt (M.C.)	B8	"

Total - 980,080 #

GENERAL NOTES
 Specifications: NYC Lines 1917 specifications for steel ry. bridges.
 Rivets 3/4". Open holes 1/8".
 Shop paint: NYC. std red lead and boiled linseed oil.
 Steel surfaces in contact with each other to receive one coat of shop paint before assembling.
 Erection marks to be painted on painted surfaces.

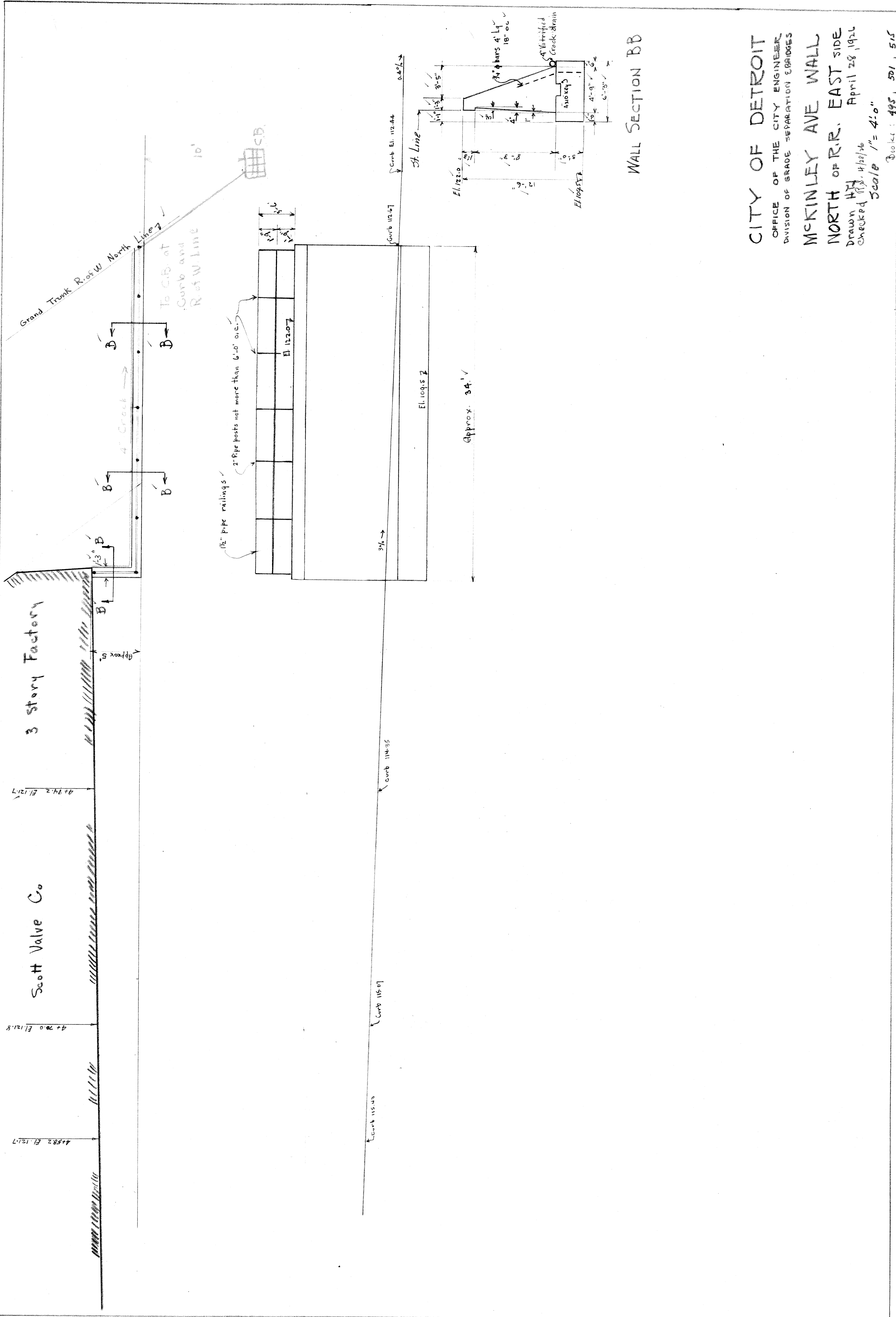
REVISIONS

NO.	DATE	DESCRIPTION

M.C.R.R. - BAY CITY DIV.
 THE N.Y.C.R.R. CO. LESSEE
 BRIDGE 302 MCANILEY A.V. SUBY.

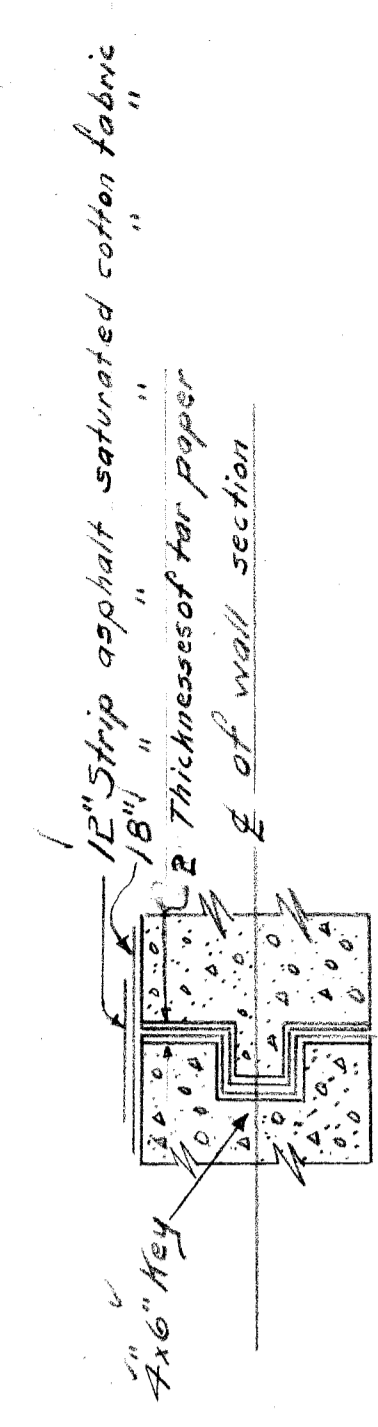
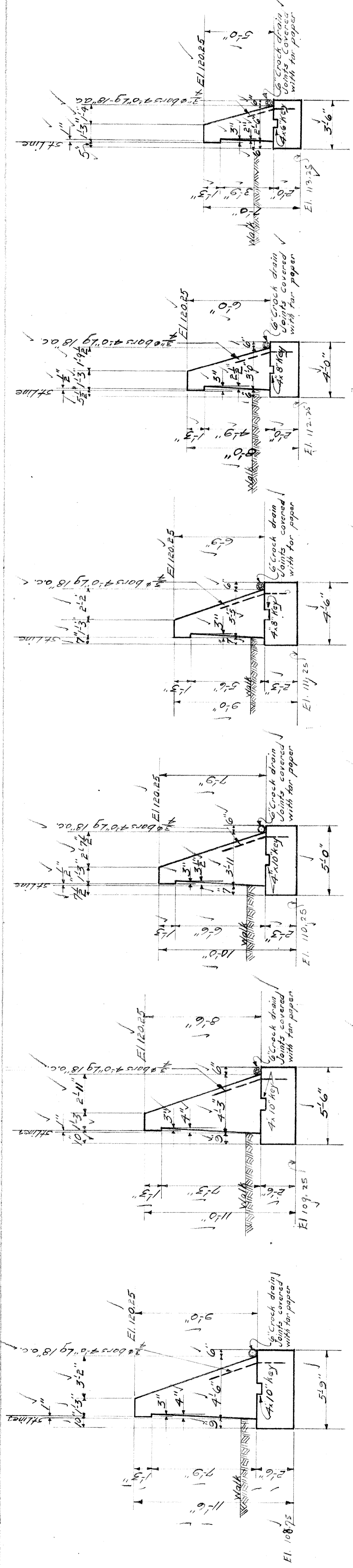
STEEL DETAILS.

SCALE: As shown 1 FOOT
 DRAWN BY: J.E.B. 5/10/33
 CHECKED BY: J.E.B. 5/10/33
 TRACED BY: J.E.B. 5/10/33
 APPROVED: [Signature] BRIDGE ENGINEER
 ISSUE NO. 1
 DATE 5-10-33
 SHEET 51 OF 1



WALL SECTION BB

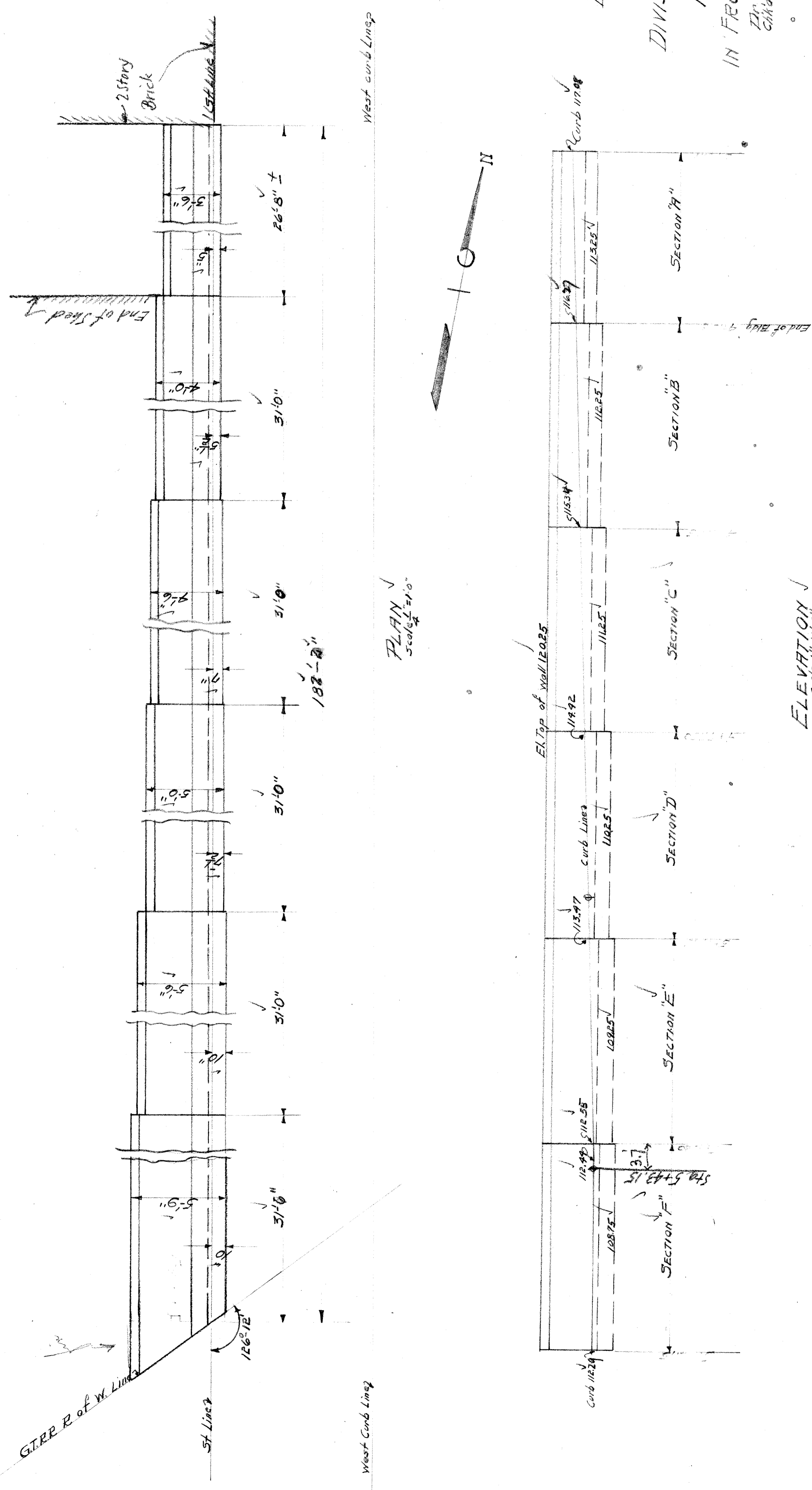
CITY OF DETROIT
 OFFICE OF THE CITY ENGINEER
 DIVISION OF GRADE SEPARATION BRIDGES
 MCKINLEY AVE WALL
 NORTH OF R.R. EAST SIDE
 Drawn H.H. April 28, 1926
 Checked H.H. 4/28/26
 Scale 1" = 4'-0"



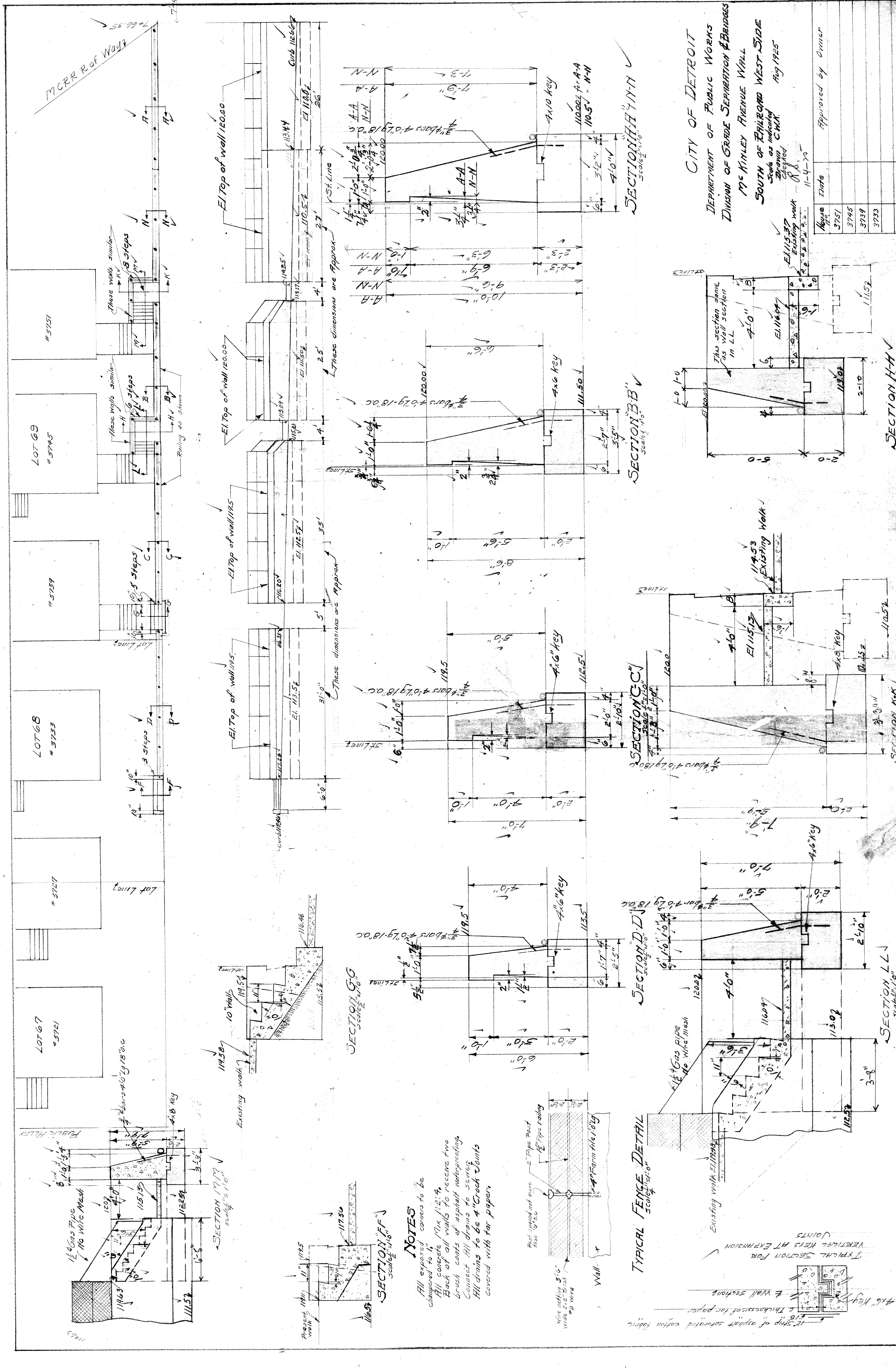
TYPICAL SECTION FOR VERTICAL KEYS AT EXPANSION JOINTS

QUANTITIES
CONCRETE 200 CU YDS.
REINFORCING STEEL 945#
6" CRACK 186 L. FT.

NOTES
All concrete mix 1:2 1/4
Floor of walls to receive two brush coats of asphalt waterproofing.
Concrete drains to sewer.
All drains to be vitrified crock.



CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
DIVISION OF GRADE SEPARATION & BRIDGES
MCKINLEY AVE WALL
IN FRONT OF THE ALBERT ALBRECHT CO PROPERTY
Date Aug 12, 1925
Checked by R. S. 4-26-26.



NOTES

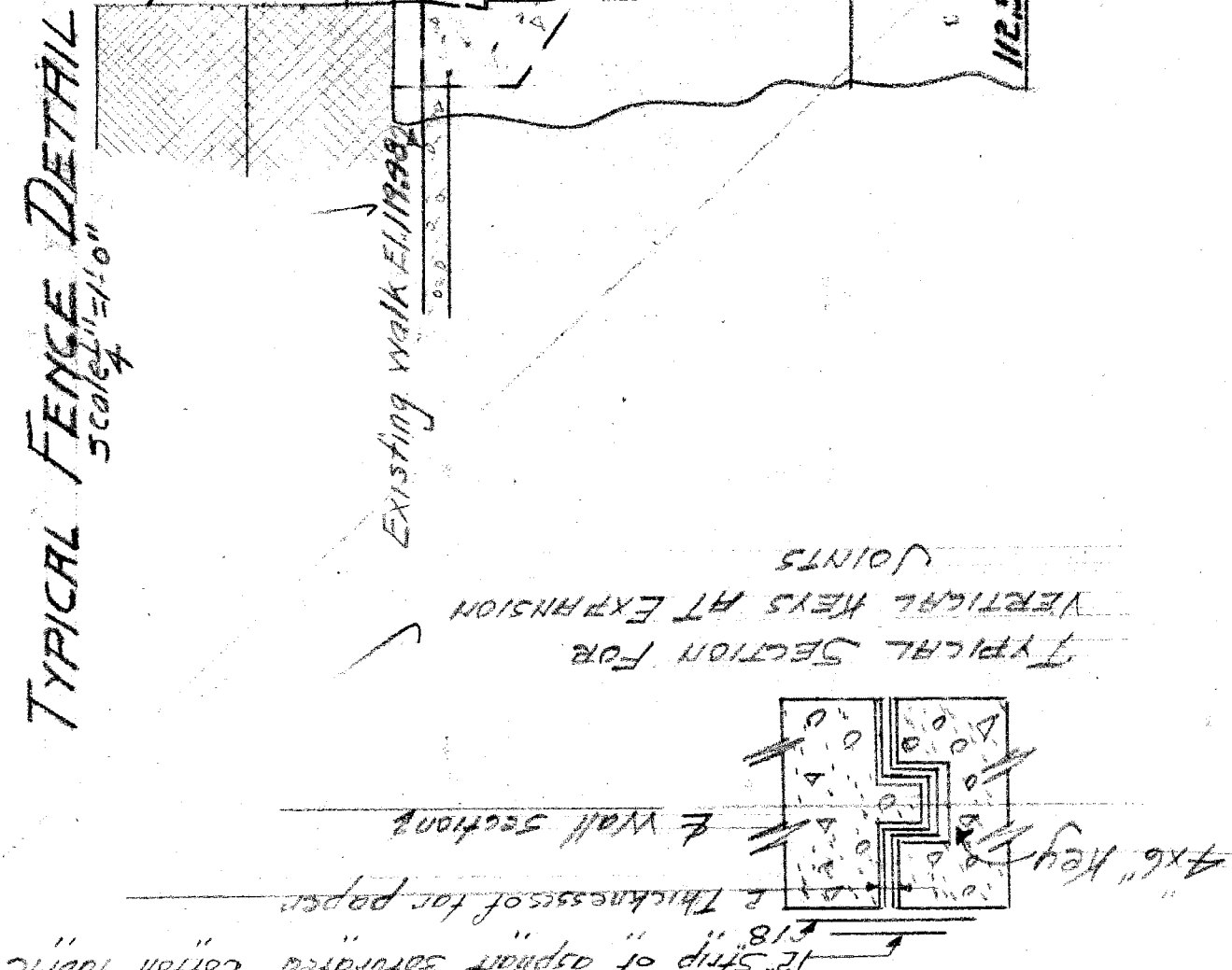
All exposed corners to be chamfered to 1".

Fill concrete 1" x 1/2" x 1/4".

Back of all walls to receive two brush coats of asphalt waterproofing.

Connect all drains to sewer.

All drains to be 4" Crock Joints covered with tar paper.



TYPICAL FENCE DETAIL
Scale 1/4" = 1'-0"

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
DIVISION OF GRADE SEPARATION & BRIDGES
17th MINLEY AVENUE WALL
SOUTH OF RAILROAD WEST SIDE
Scale as indicated
Checked
Approved by Owner

Name	Date
3751	11-4-20
3745	
3739	
3733	

SECTION H-H
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"

SECTION E-E
Scale 1/4" = 1'-0"

SECTION F-F
Scale 1/4" = 1'-0"

SECTION G-G
Scale 1/4" = 1'-0"

SECTION I-I
Scale 1/4" = 1'-0"

SECTION J-J
Scale 1/4" = 1'-0"

SECTION K-K
Scale 1/4" = 1'-0"

SECTION L-L
Scale 1/4" = 1'-0"

SECTION M-M
Scale 1/4" = 1'-0"

SECTION N-N
Scale 1/4" = 1'-0"

SECTION O-O
Scale 1/4" = 1'-0"

SECTION P-P
Scale 1/4" = 1'-0"

SECTION Q-Q
Scale 1/4" = 1'-0"

SECTION R-R
Scale 1/4" = 1'-0"

SECTION S-S
Scale 1/4" = 1'-0"

SECTION T-T
Scale 1/4" = 1'-0"

SECTION U-U
Scale 1/4" = 1'-0"

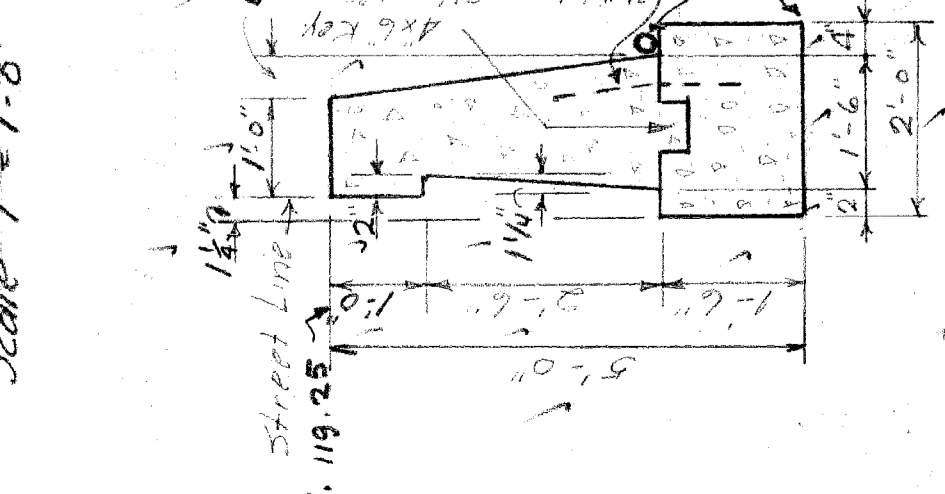
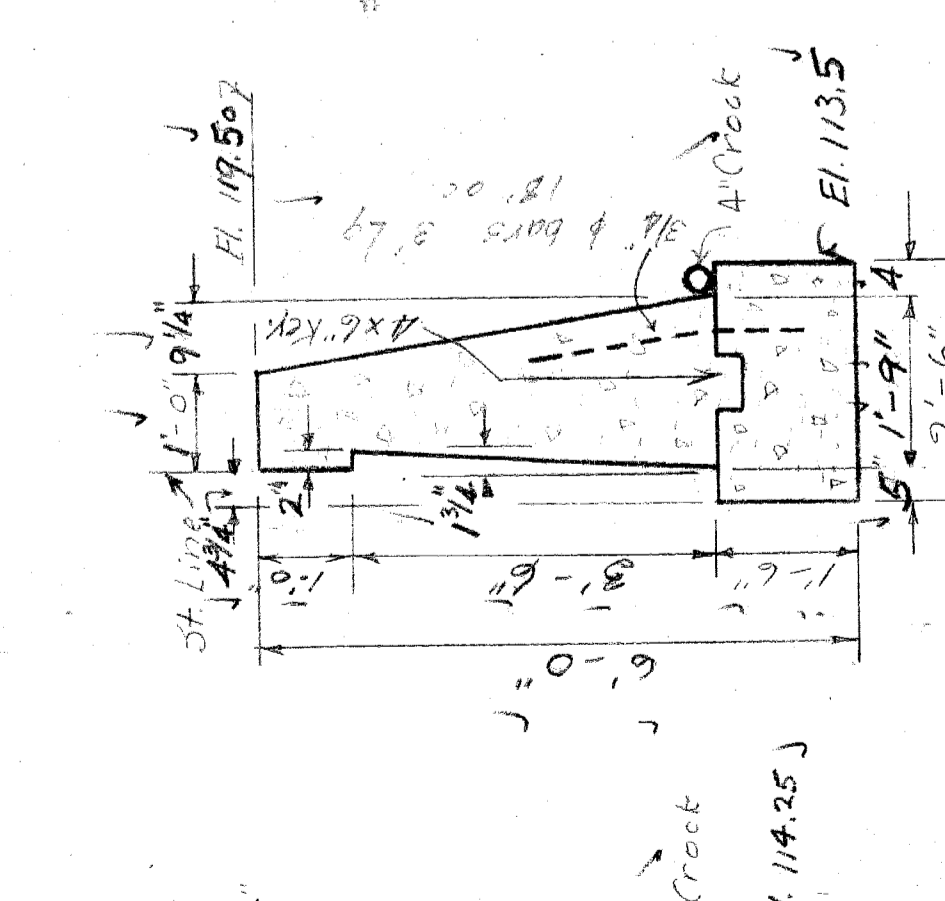
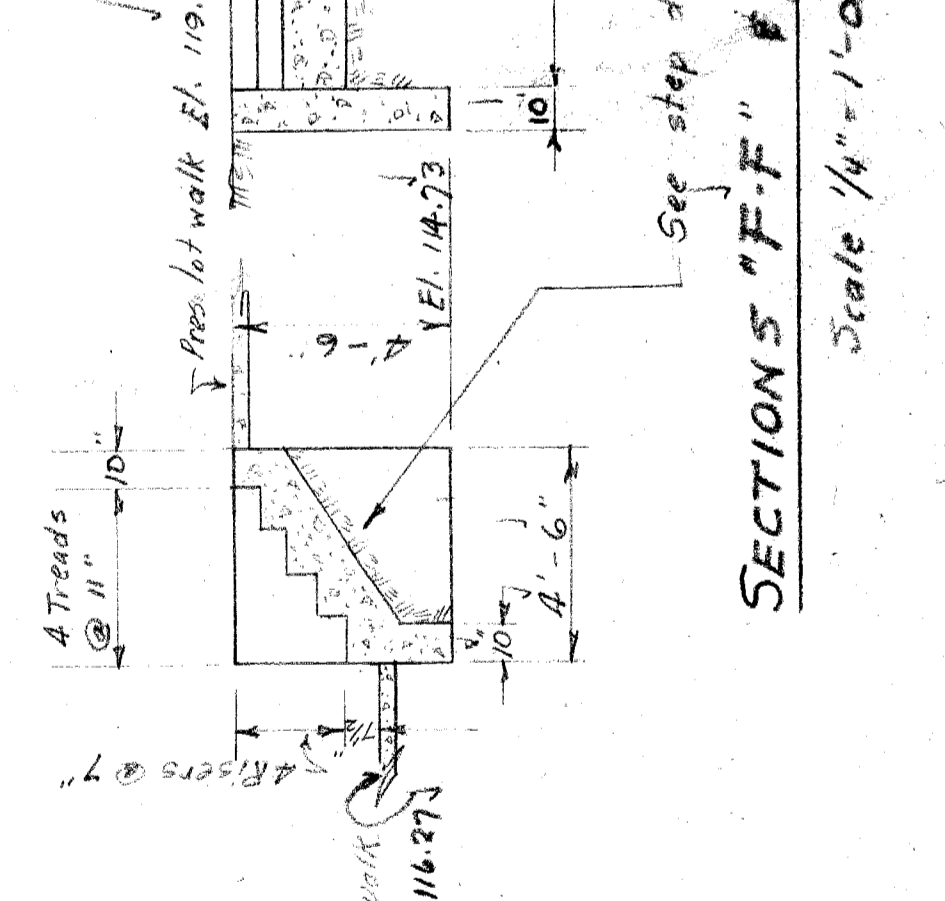
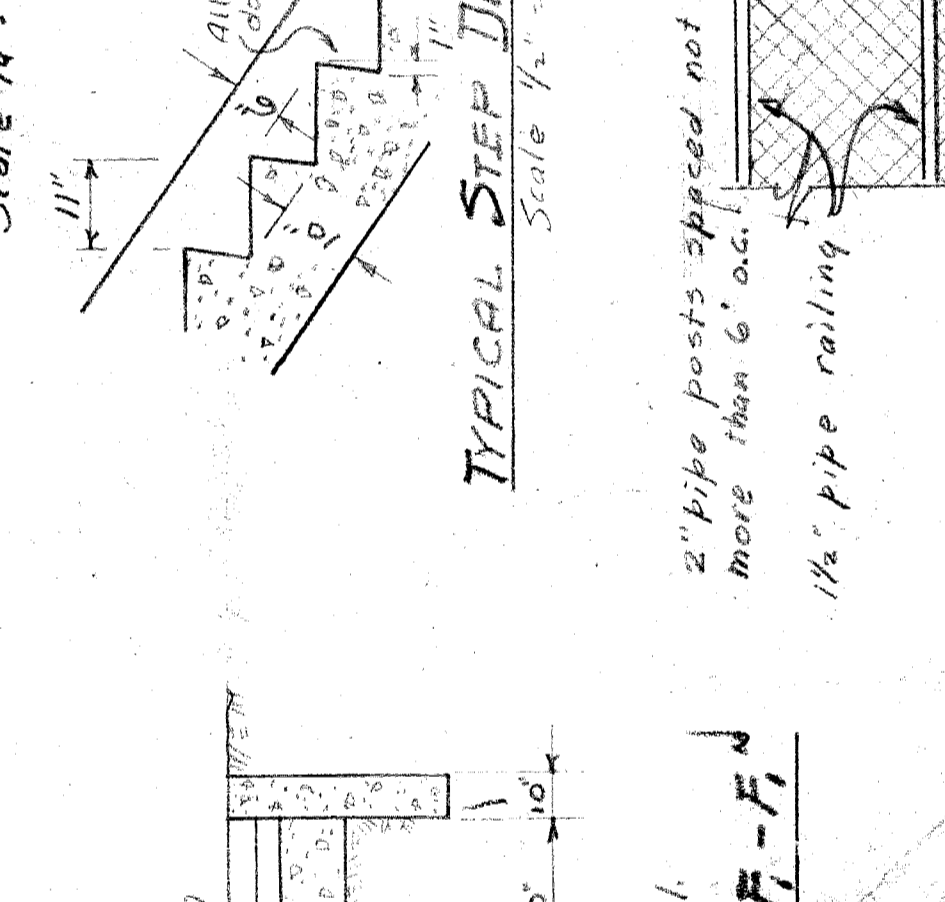
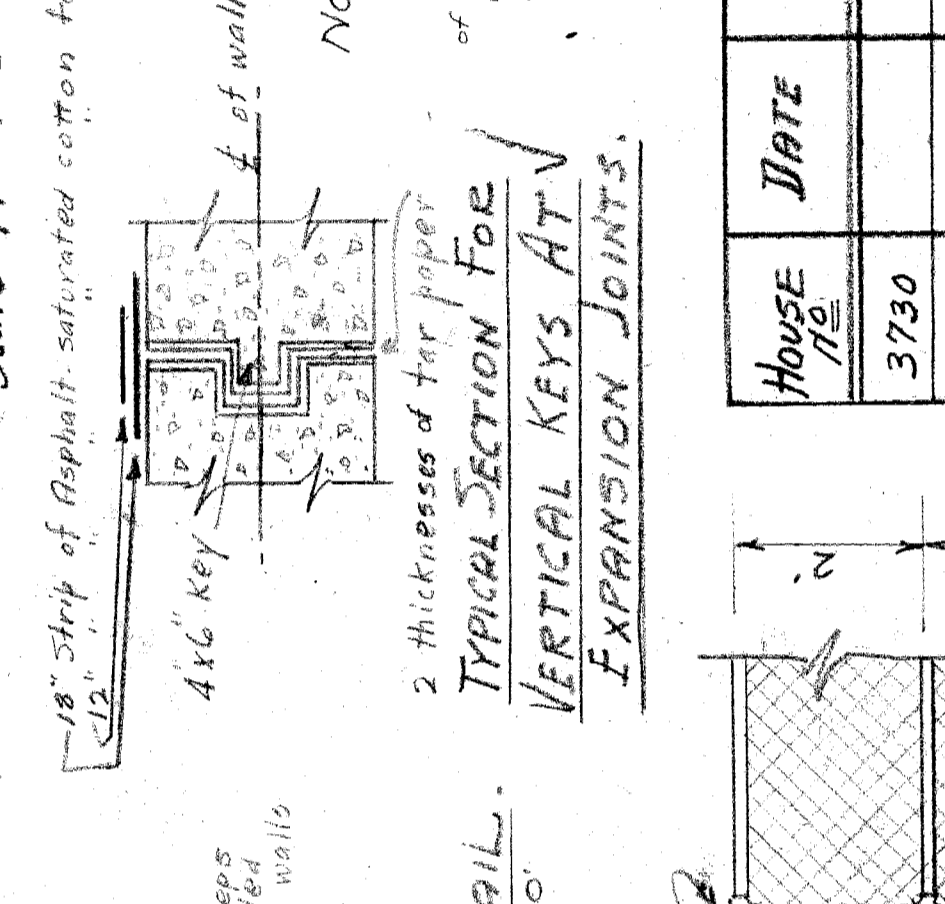
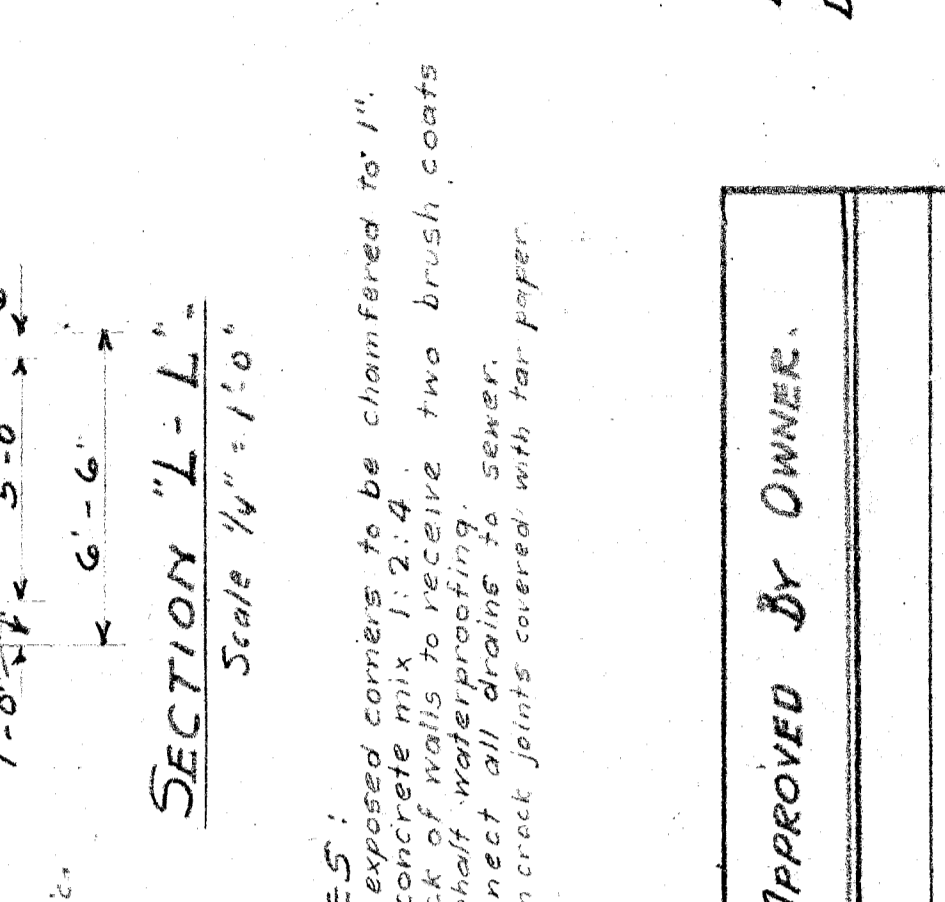
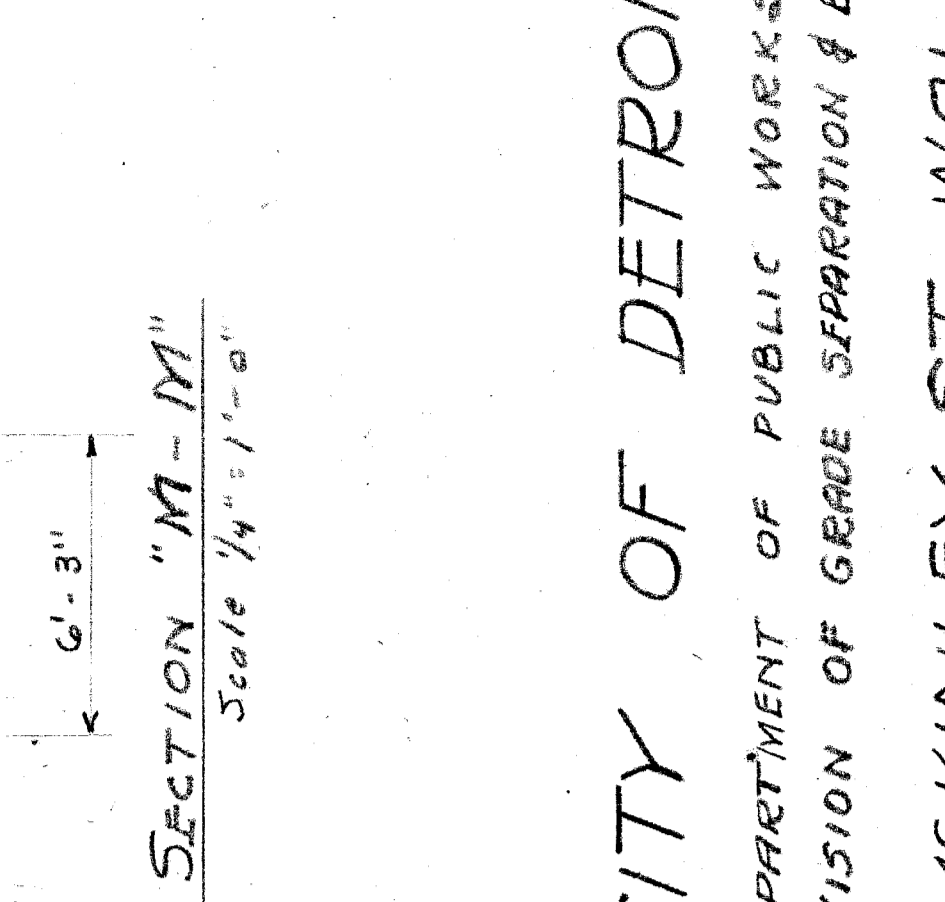
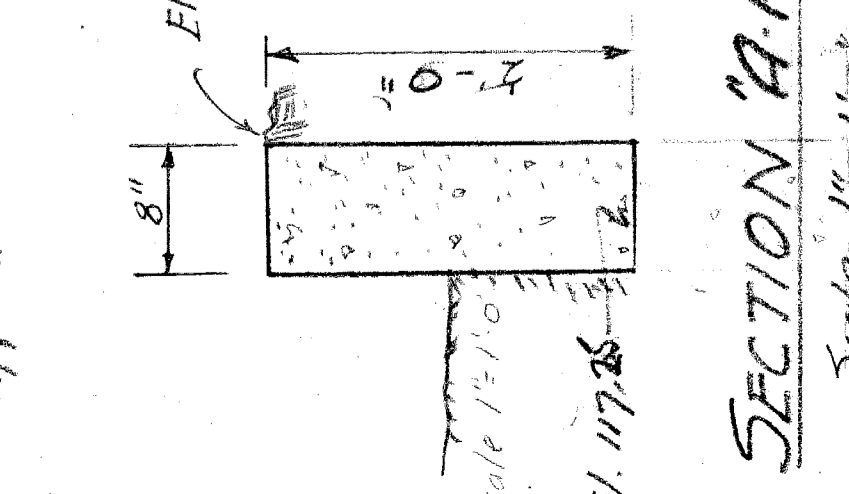
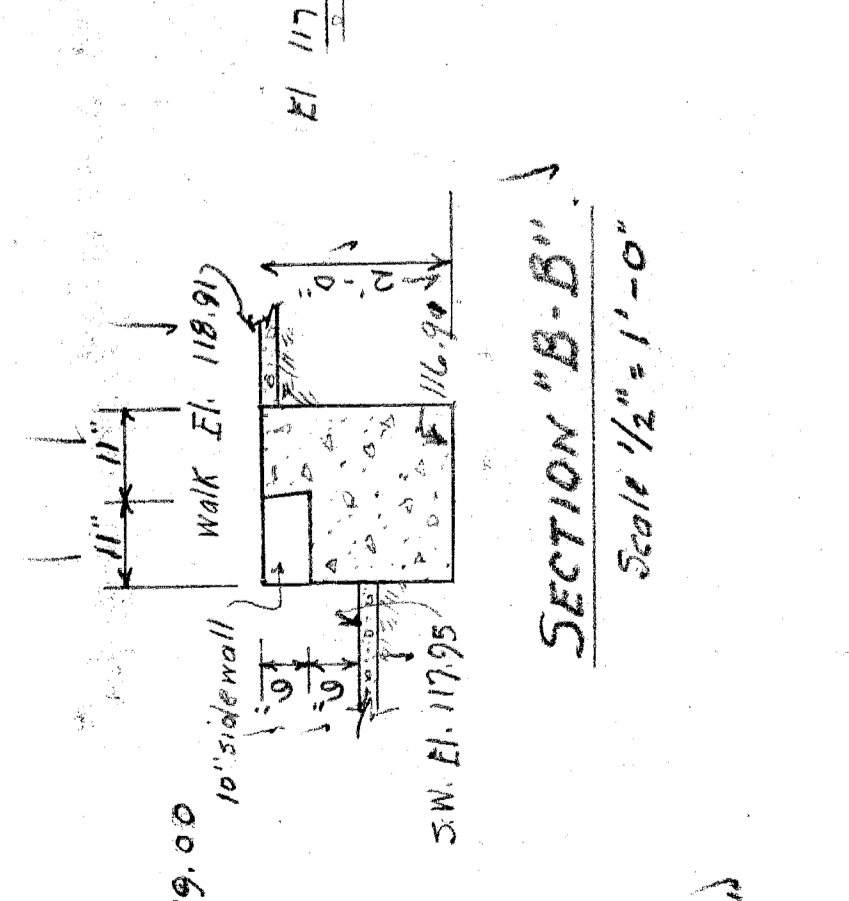
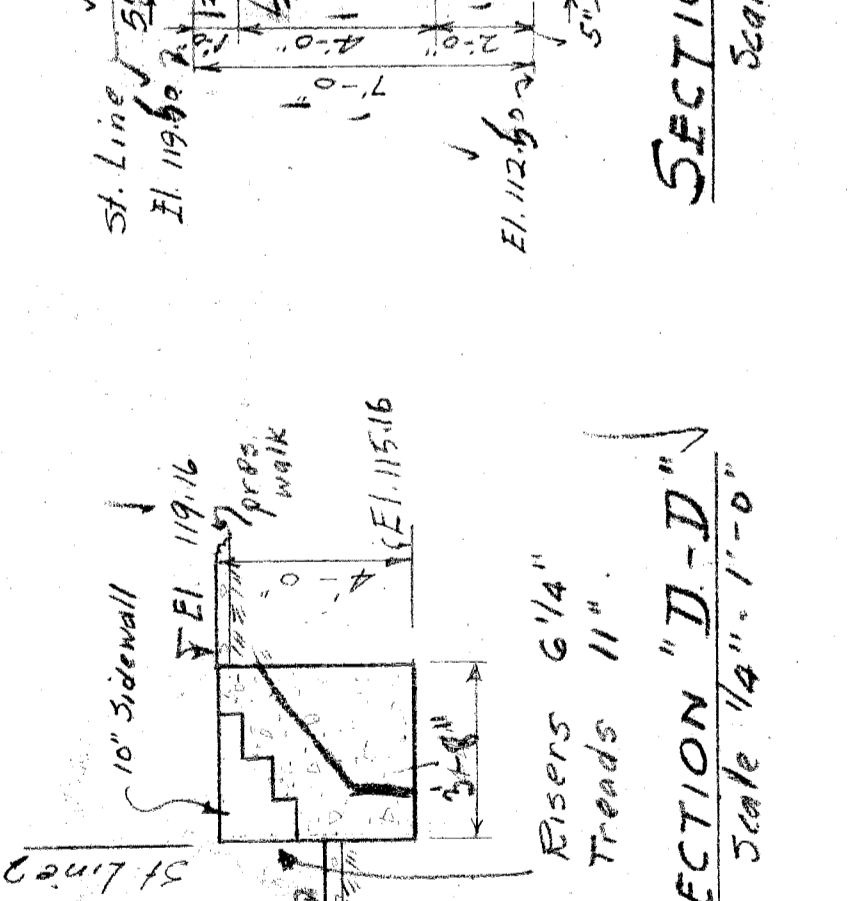
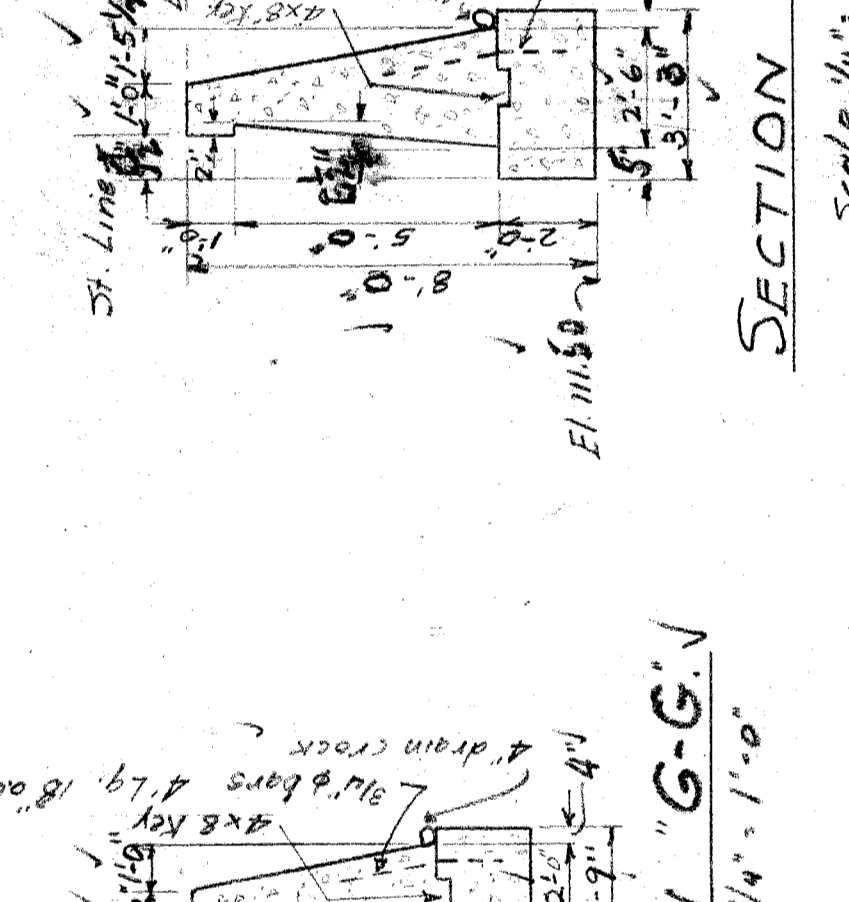
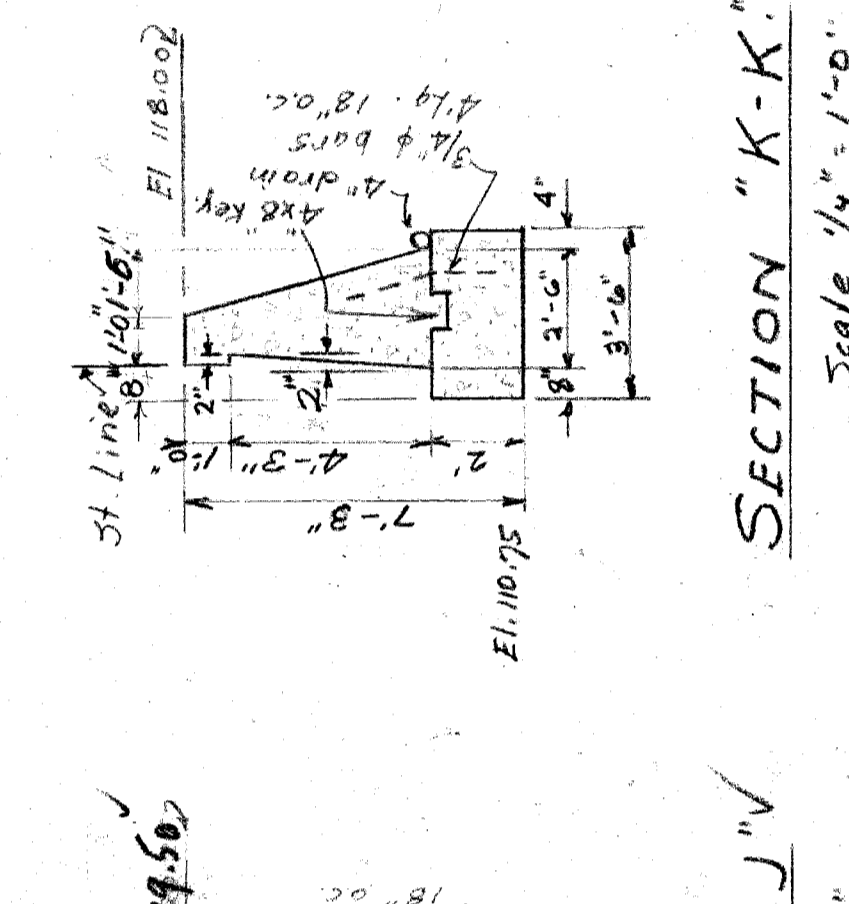
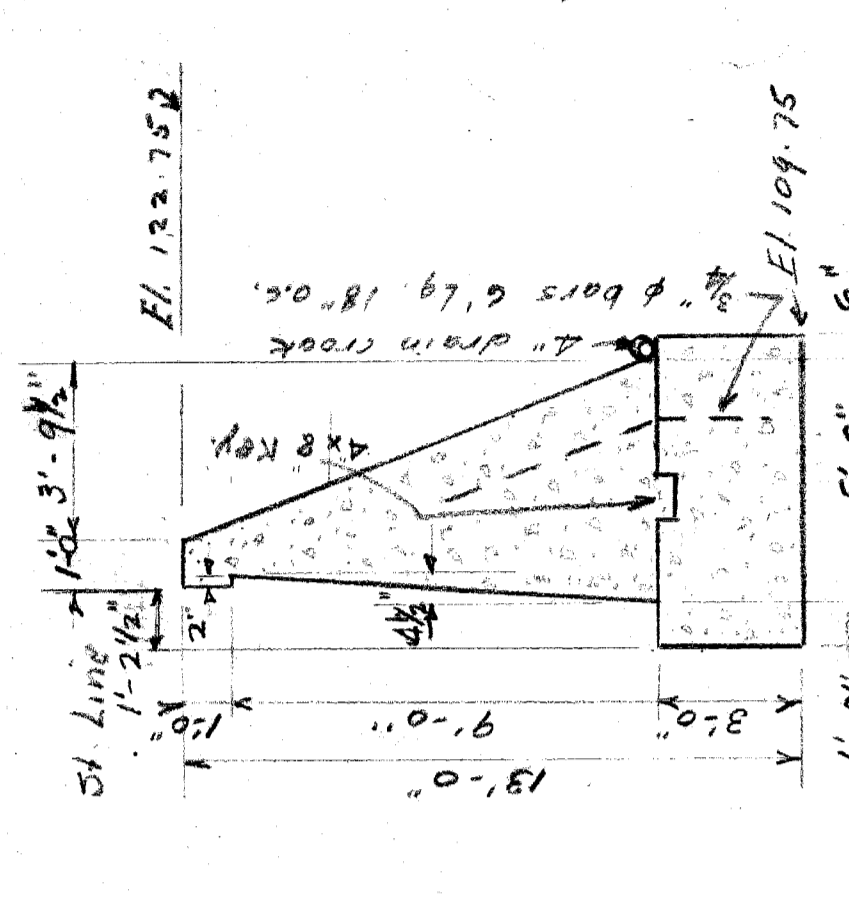
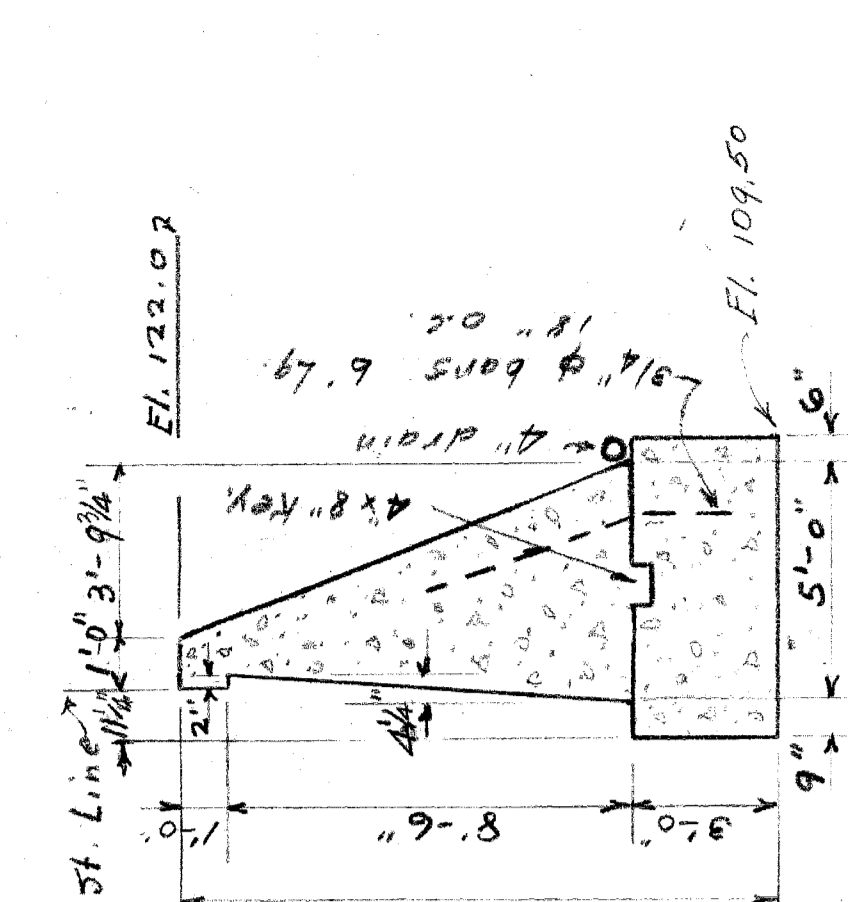
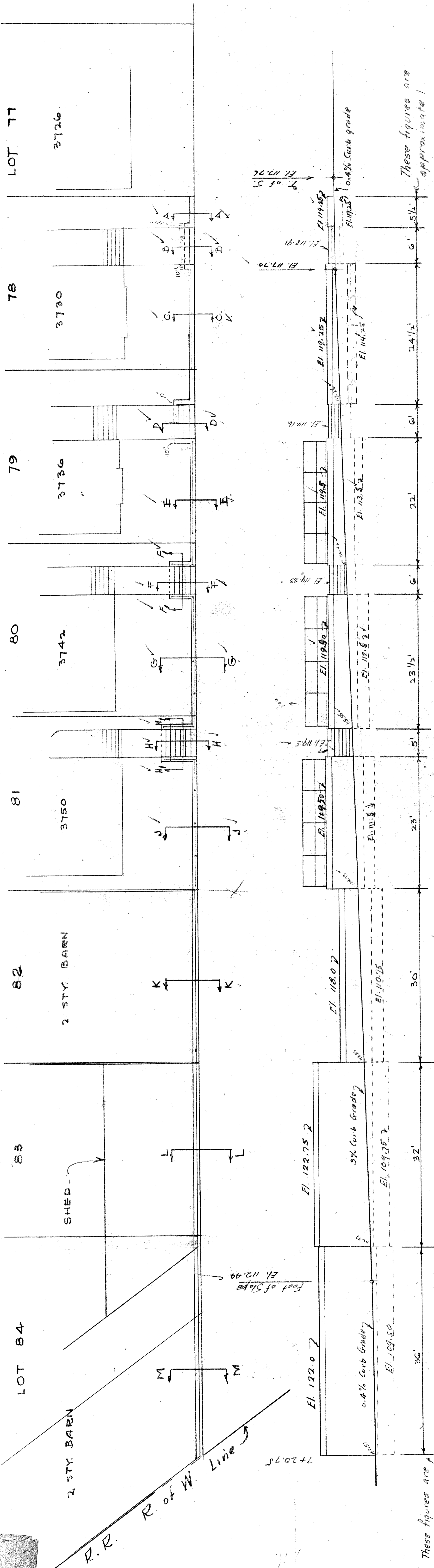
SECTION V-V
Scale 1/4" = 1'-0"

SECTION W-W
Scale 1/4" = 1'-0"

SECTION X-X
Scale 1/4" = 1'-0"

SECTION Y-Y
Scale 1/4" = 1'-0"

SECTION Z-Z
Scale 1/4" = 1'-0"



- NOTES:**
 All exposed corners to be chamfered to 1".
 All concrete mix 1:2:4.
 Back of walls to receive two brush coats of asphalt waterproofing, sewer, and drain pipe joints covered with tar paper.
- TYPICAL SECTION FOR VERTICAL KEYS AT EXPANSION JOINTS.**
- 18" Strip of Asphalt-saturated cotton fabric.
 4x8 Key
 2 thickness of tar paper
 2" mesh wire netting
 1/2" pipe railing
 2" pipe posts spaced not more than 6' oc.

HOUSE NO.	DATE	APPROVED BY OWNER.
3730		
3736		
3742		
3750		
407		
407		
407		

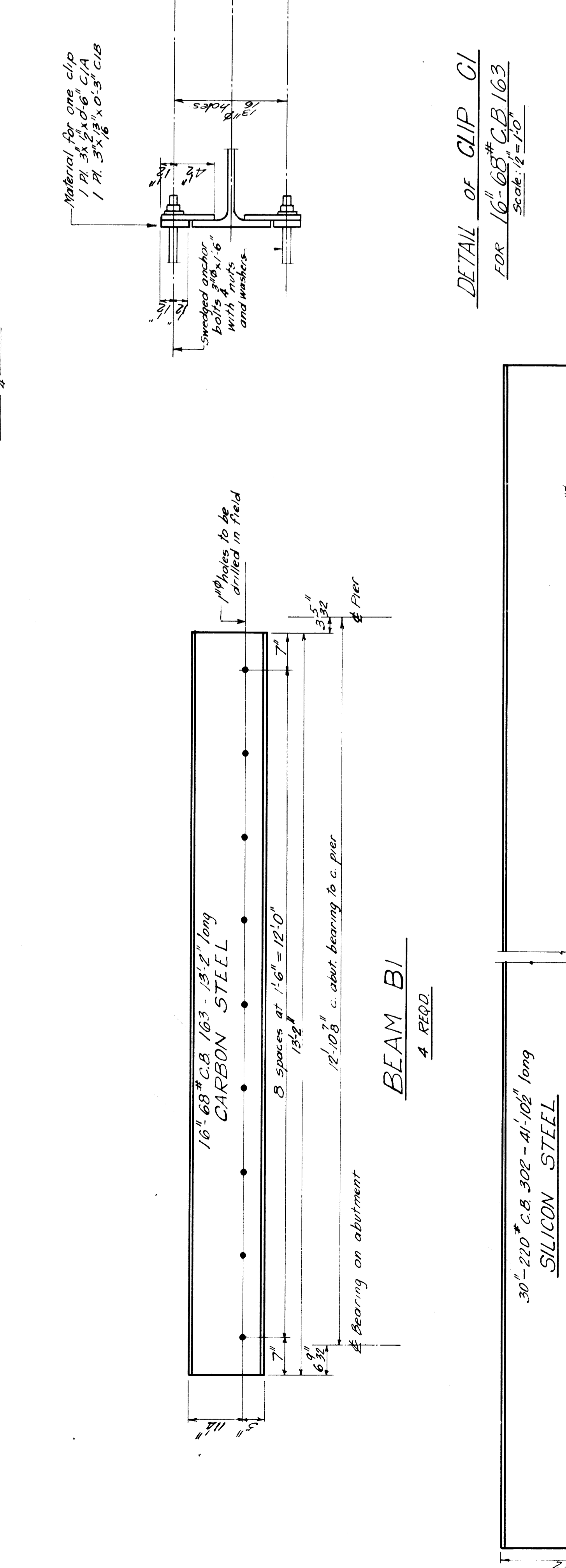
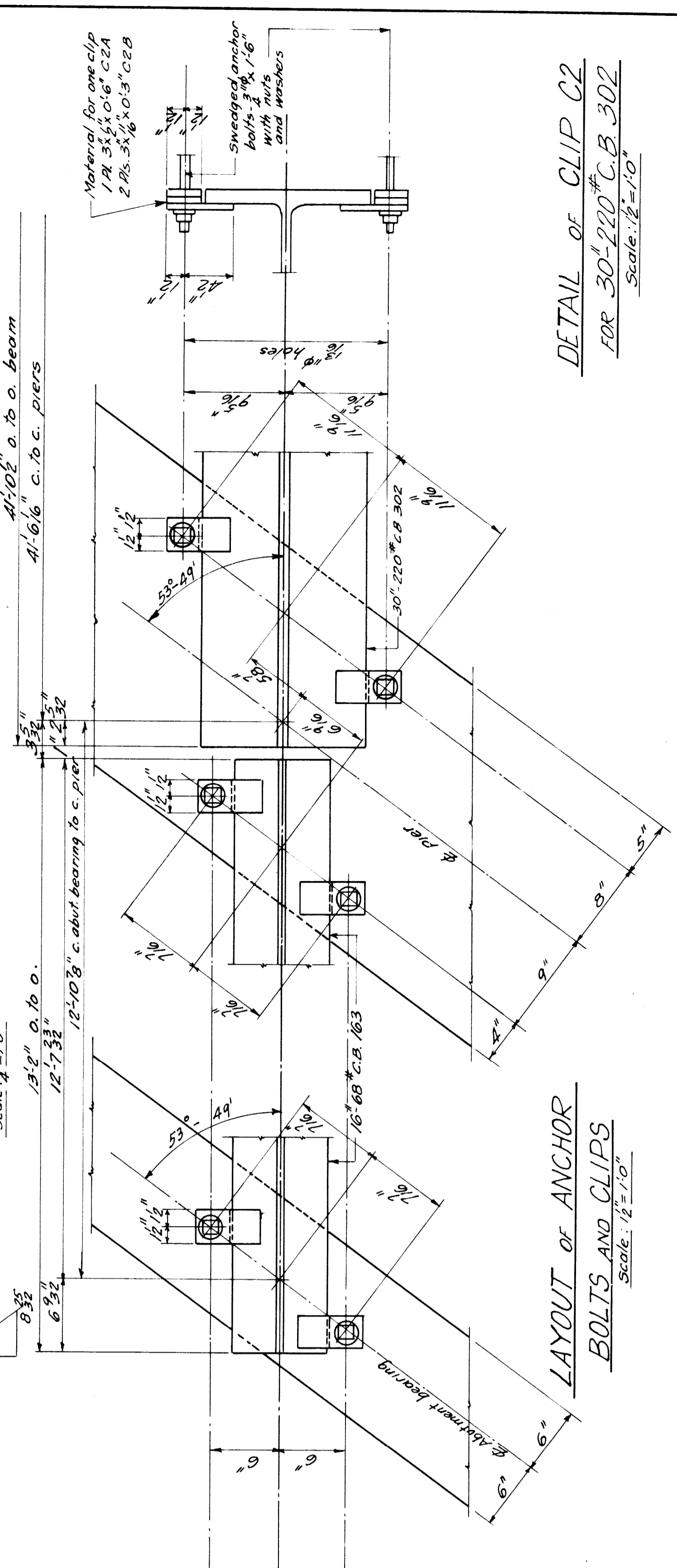
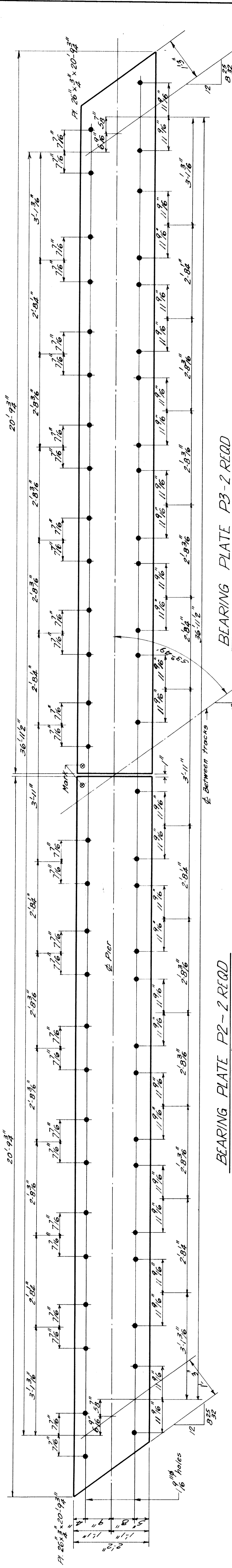
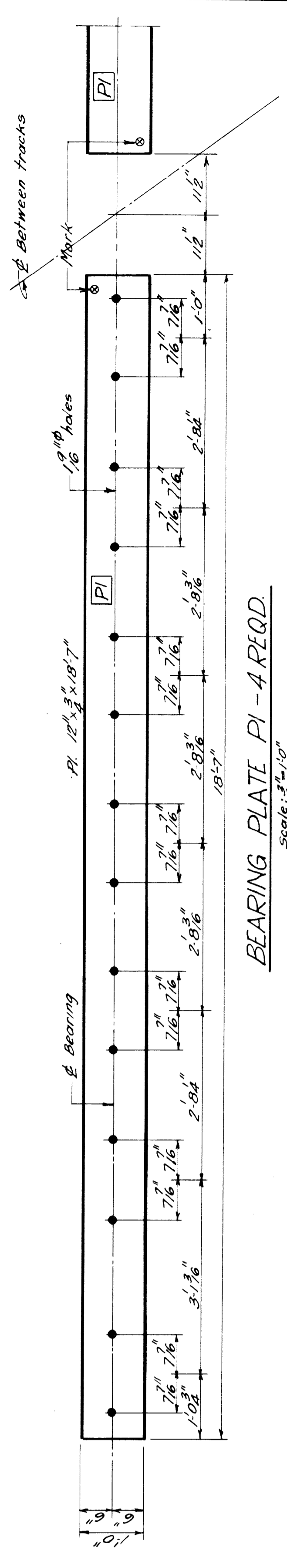
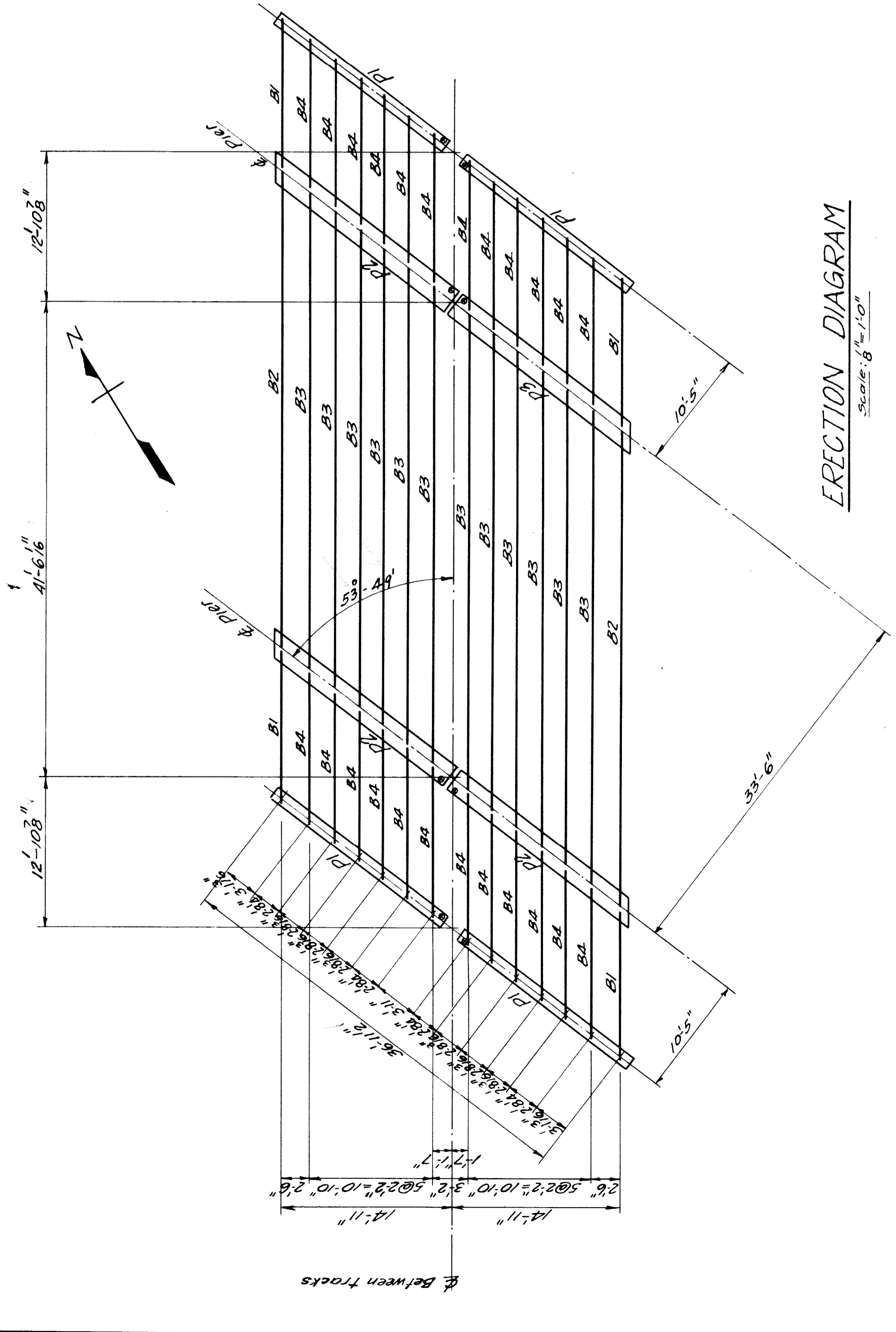
TYPICAL FENCE DETAIL Scale 1/2" = 1'-0"

See Step detail.

See Step detail.

CITY OF DETROIT.
 DEPARTMENT OF PUBLIC WORKS.
 DIVISION OF GRADE SEPARATION & BRIDGES.
 'MCKINLEY ST. WALL.
 EAST SIDE OF STREET SOUTH OF THE RIGHT OF WAY.
 Scales as noted
 Drawn by H.T.J.
 Checked by R.S.
 11-5-25
 Sept. 15-1925
 File XU25-12 MCRK

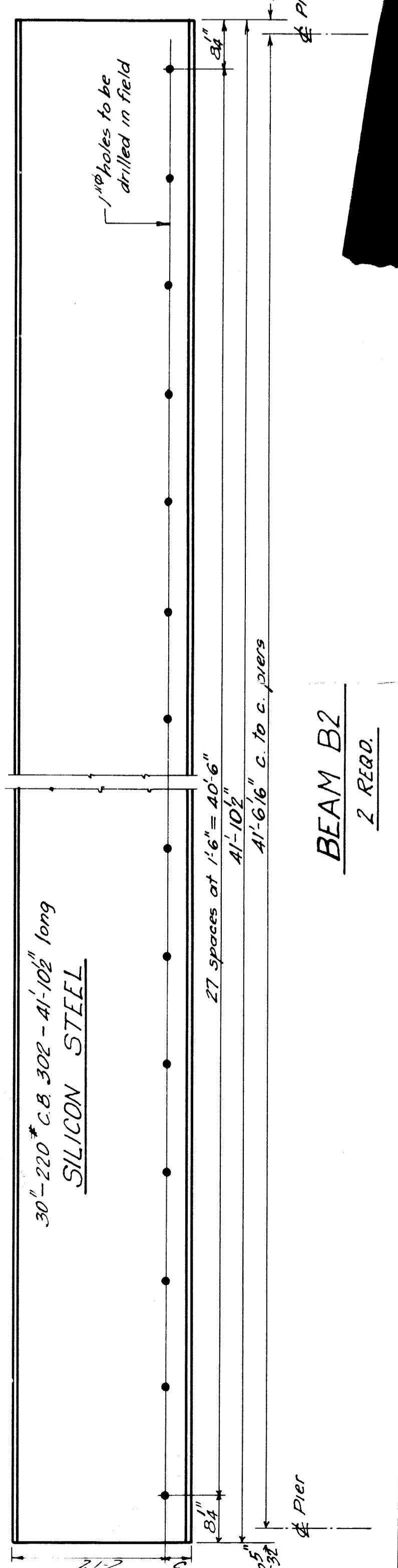
INVENTORY MARK	DESCRIPTION	REMARKS	SPECIAL NOTES
A	16'-68" C.B. 163-183' 1/2"	To be shipped from (filled in field)	Ship direct
Z	30'-220" C.B. 302-41-102' 1/2"	To be shipped from (filled in field)	SILICON STEEL direct
12	B3 30'-220" C.B. 302-41-102' 1/2"	Plain beams	SILICON STEEL direct
24	B4 16'-68" C.B. 163-183' 1/2"	Plain beams	Ship direct
A	P1 12'-3/8" x 18'-7"	Abutment bearing plates	
2	P2 26'-3/8" x 20'-2"	Pier bearing plates	
2	P3 26'-3/8" x 20'-2"	Pier bearing plates	
112	C1 Clips for C.B. 163	Two plates each	
56	C2 Clips for C.B. 302	Three plates each	
168	3/8" x 1/2" x 16" swaged anchor bolts with nuts and washers		



DETAIL OF CLIP C1
FOR 16'-68" C.B. 163
Scale: 1/2" = 1'-0"

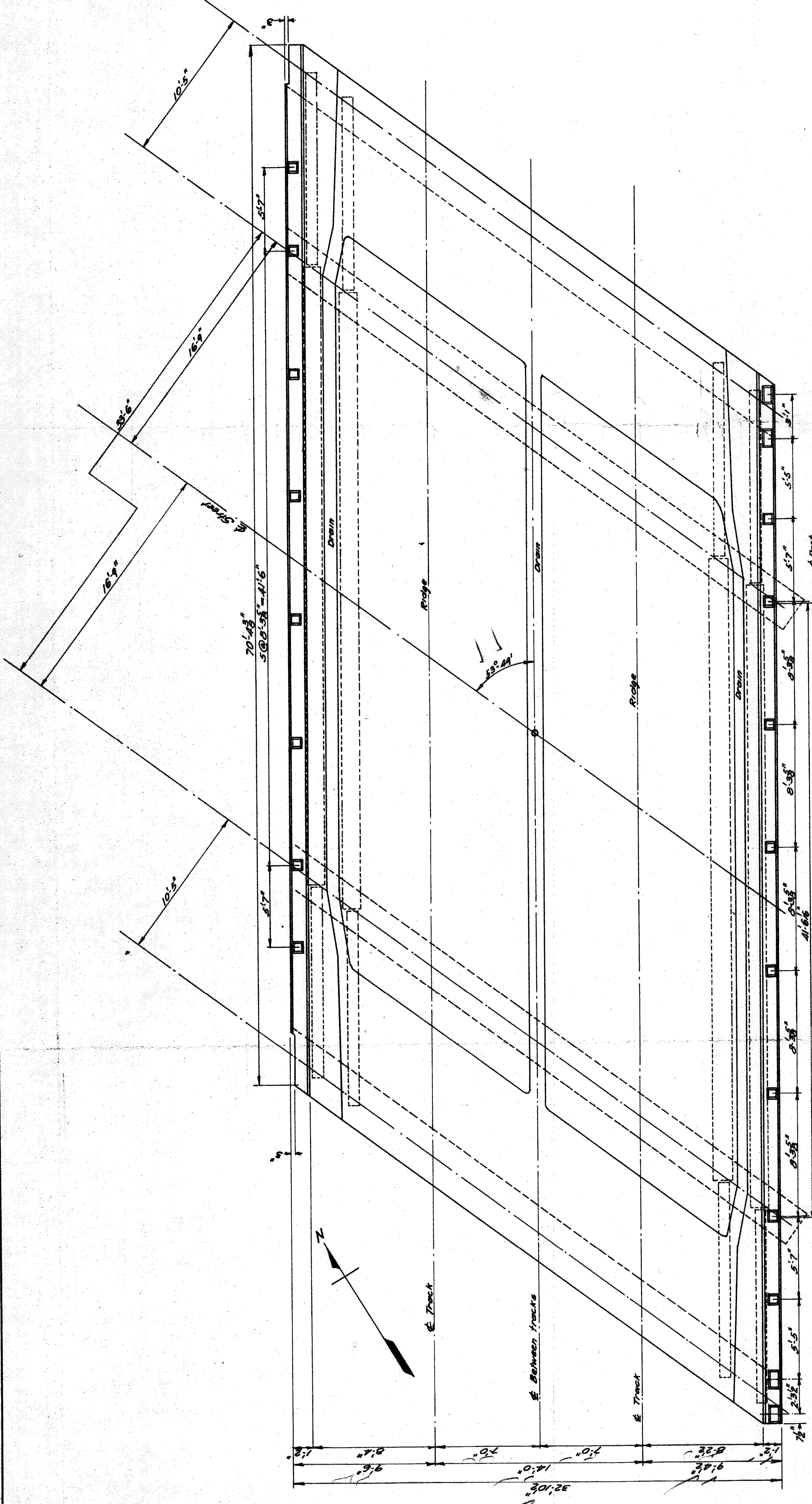
LAYOUT OF ANCHOR BOLTS AND CLIPS
Scale: 1/2" = 1'-0"

DETAIL OF CLIP C2
FOR 30'-220" C.B. 302
Scale: 1/2" = 1'-0"

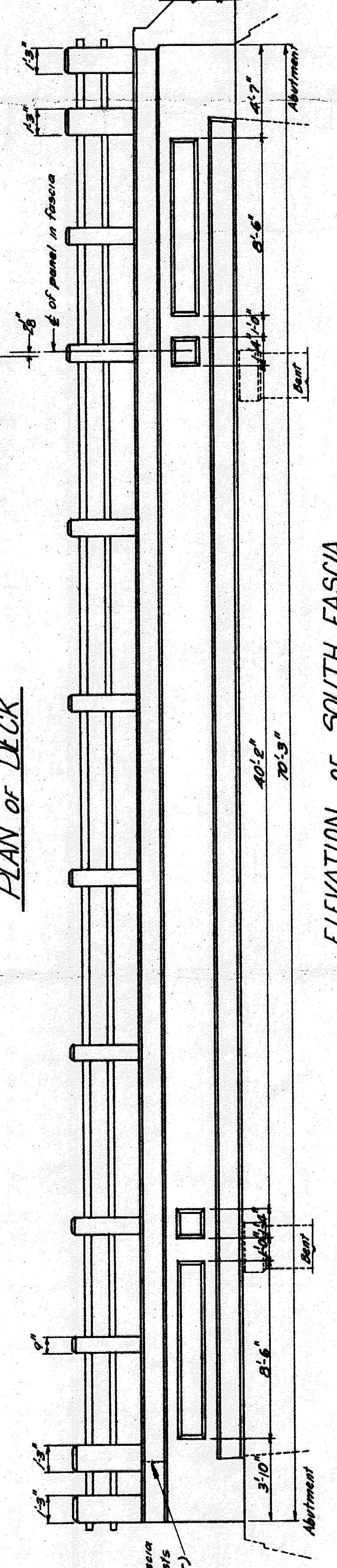


NOTE: All 30'-220" beams are to be silicon steel. All other beams, as well as plates, clips and anchor bolts, are to be carbon steel. Equivalent Bethlehem sections may be used.

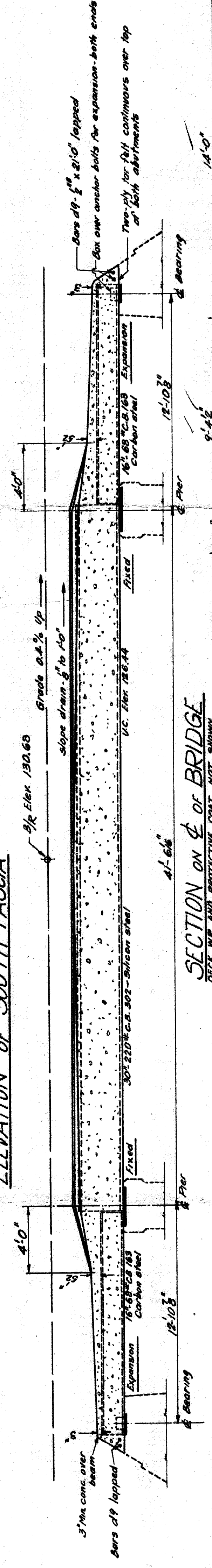
GRAND TRUNK WESTERN R.R.
STRUCTURAL STEEL
MCKINLEY AVE. GRADE SEP.
WEST DETROIT MICHIGAN
OFFICE OF CHIEF ENGINEER
DETROIT, MICHIGAN
LAWRENCE
W-6120
APR. 19, 1933
Sheet 5 of 5



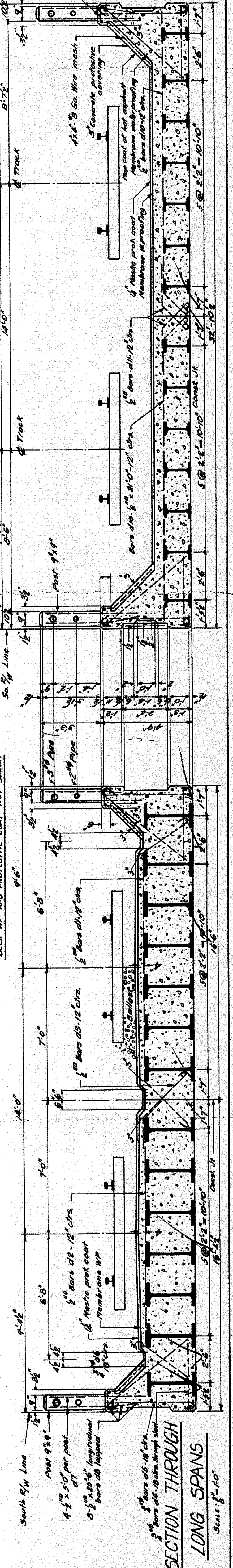
PLAN OF DECK



ELEVATION OF SOUTH FASCIA



SECTION ON & OF BRIDGE
 DECK AND PROTECTIVE COAT NOT SHOWN



SECTION THROUGH LONG SPANS
 SCALE 3/4"=1'-0"

SECTION THROUGH SHORT SPANS
 SCALE 3/4"=1'-0"

Cut coping on N.W. fascia and curb top and points (opposite end similar)

3" min. conc. over beam bars dip lapped

Bars dip lapped. Bars over anchor bolts for expansion. Both ends Two #4 for full continuity over top of both abutments

4x4" on wire mesh lapping 6" with mesh and tied to it

4x4" on wire mesh concrete protective covering

Top coat of hot asphalt membrane waterproofing

4" metric port coat membrane waterproofing

Bars dia. 8" x 12' c/c

Bars dia. 8" x 12' c/c

Bars dia. 8" x 12' c/c

Bars dia. 8" x 12' c/c

Bars dia. 8" x 12' c/c

Bars dia. 8" x 12' c/c

Bars dia. 8" x 12' c/c

Bars dia. 8" x 12' c/c

Bars dia. 8" x 12' c/c

Bars dia. 8" x 12' c/c

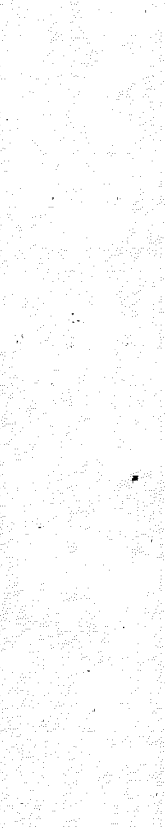
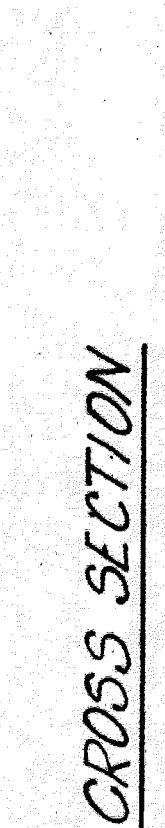
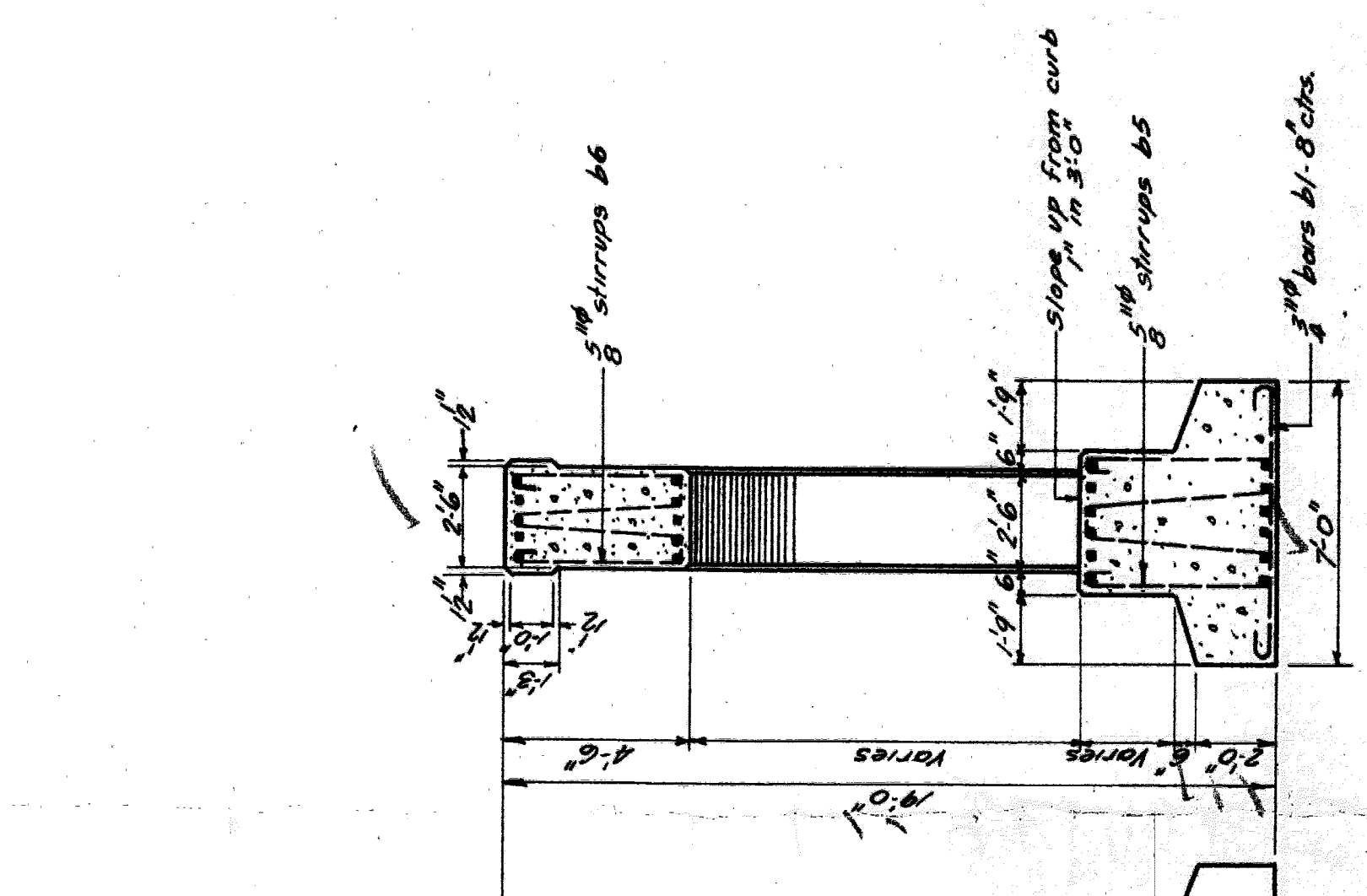
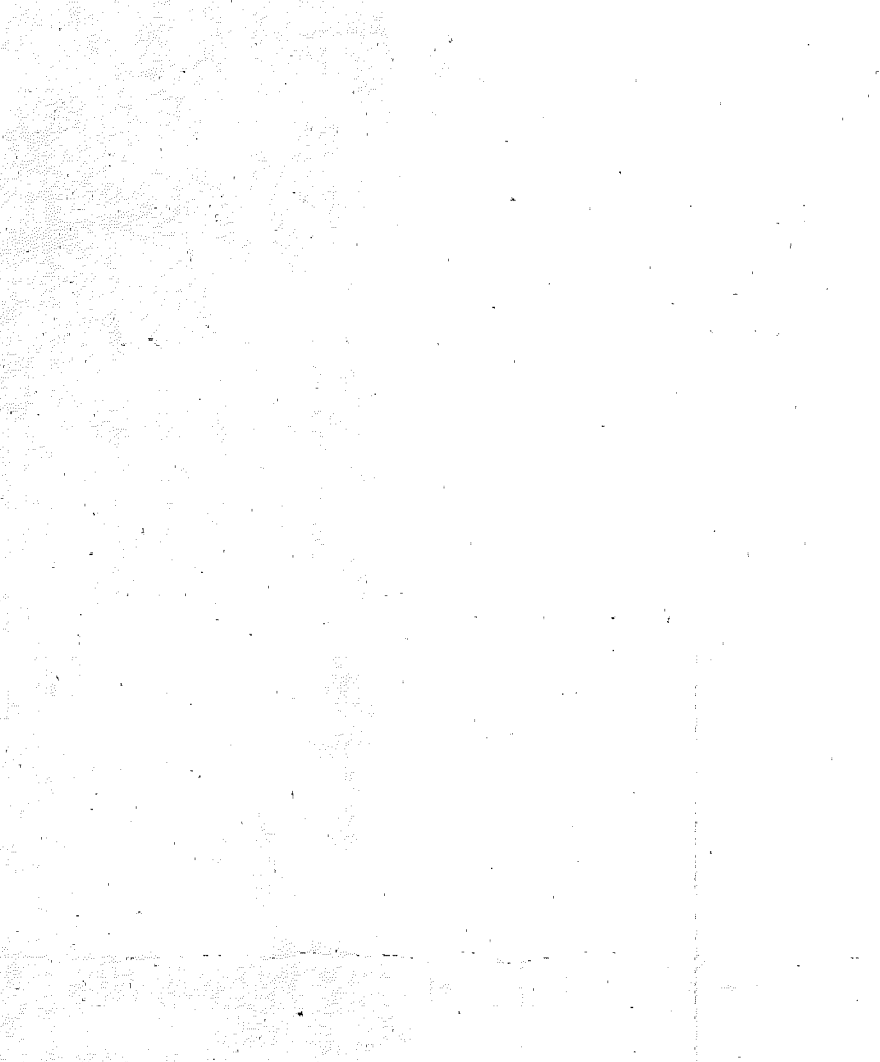
Bars dia. 8" x 12' c/c

BILL OF REINFORCING STEEL

LOCATION	NO.	SIZE	LENGTH	BENDING DIAGRAM
Main Footing	01	1/2" x 12"	12'-5"	Straight
Footing downstreamp wall	02	1/2" x 12"	7'-6"	Straight
Footing W. Abutment Wall	03	1/2" x 12"	18'-0"	"
" "	04	1/2" x 12"	18'-0"	"
" "	05	1/2" x 12"	9'-0"	"
" "	06	3/4" x 12"	10'-0"	"
" "	07	3/4" x 12"	14'-0"	"
" "	08	1/2" x 12"	26'-0"	"
" "	09	1/2" x 12"	22'-5"	"
" "	10	1/2" x 12"	17'-8"	"
" "	11	1/2" x 12"	16'-0"	"
" "	12	1/2" x 12"	14'-0"	"
" "	13	1/2" x 12"	10'-0"	"
" "	14	1/2" x 12"	7'-0"	"
" "	15	1/2" x 12"	5'-0"	"
" "	16	1/2" x 12"	9'-0"	"
" "	17	1/2" x 12"	11'-0"	"
" "	18	1/2" x 12"	10'-4"	"
" "	19	3/8" x 16"	16'-4"	"
" "	20	3/8" x 16"	9'-6"	"
" "	21	3/8" x 16"	9'-6"	"
" "	22	3/8" x 16"	9'-6"	"
" "	23	3/8" x 16"	7'-0"	"
" "	24	3/8" x 16"	12'-4"	"
" "	25	3/8" x 16"	16'-0"	"
" "	26	3/8" x 16"	16'-0"	"
" "	27	3/8" x 16"	8'-6"	"
" "	28	3/8" x 16"	22'-3"	"
" "	29	3/8" x 16"	27'-3"	"
" "	30	3/8" x 16"	25'-3"	"
" "	31	3/8" x 16"	21'-4"	"
" "	32	3/8" x 16"	14'-0"	"
" "	33	3/8" x 16"	24'-3"	"
" "	34	3/8" x 16"	21'-3"	"
" "	35	3/8" x 16"	27'-0"	"
" "	36	3/8" x 16"	25'-3"	"
" "	37	3/8" x 16"	21'-3"	"
" "	38	3/8" x 16"	27'-0"	"
" "	39	3/8" x 16"	25'-3"	"
" "	40	3/8" x 16"	18'-6"	"
" "	41	3/8" x 16"	9'-4"	"
" "	42	3/8" x 16"	12'-6"	"
" "	43	3/8" x 16"	3'-0"	"
" "	44	3/8" x 16"	3'-6"	"
" "	45	3/8" x 16"	28'-0"	"
" "	46	3/8" x 16"	20'-3"	"
" "	47	3/8" x 16"	6'-6"	"
" "	48	3/8" x 16"	4'-0"	"
" "	49	3/8" x 16"	5'-6"	"
" "	50	3/8" x 16"	6'-3"	"
" "	51	3/8" x 16"	5'-0"	"
" "	52	3/8" x 16"	25'-6"	"
" "	53	3/8" x 16"	2'-0"	"
" "	54	3/8" x 16"	18'-8"	"
" "	55	3/8" x 16"	3'-0"	"
" "	56	3/8" x 16"	5'-0"	"
For jump together main deck reinf. 450 in. ft. random lengths				

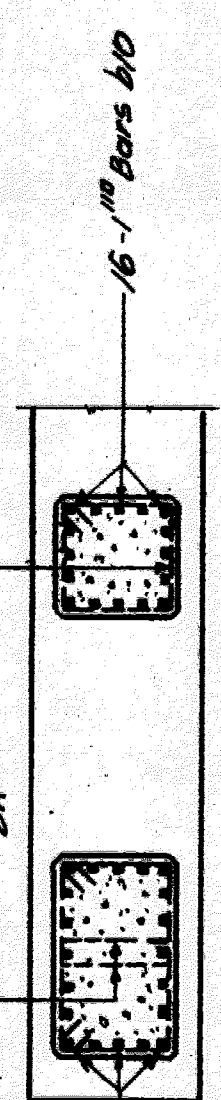
GRAND TRUNK WESTERN R.R.
 DETAILS OF BENTS AND REINFORCING
 MCKINLEY AVE. GRADE SEP.
 WEST DETROIT, MICHIGAN.
 SCALE AS NOTED
 OFFICE OF CHIEF ENGINEER
 DETROIT, MICHIGAN
 APRIL 17, 1933

Sheet 3 of 3
 25/12/33

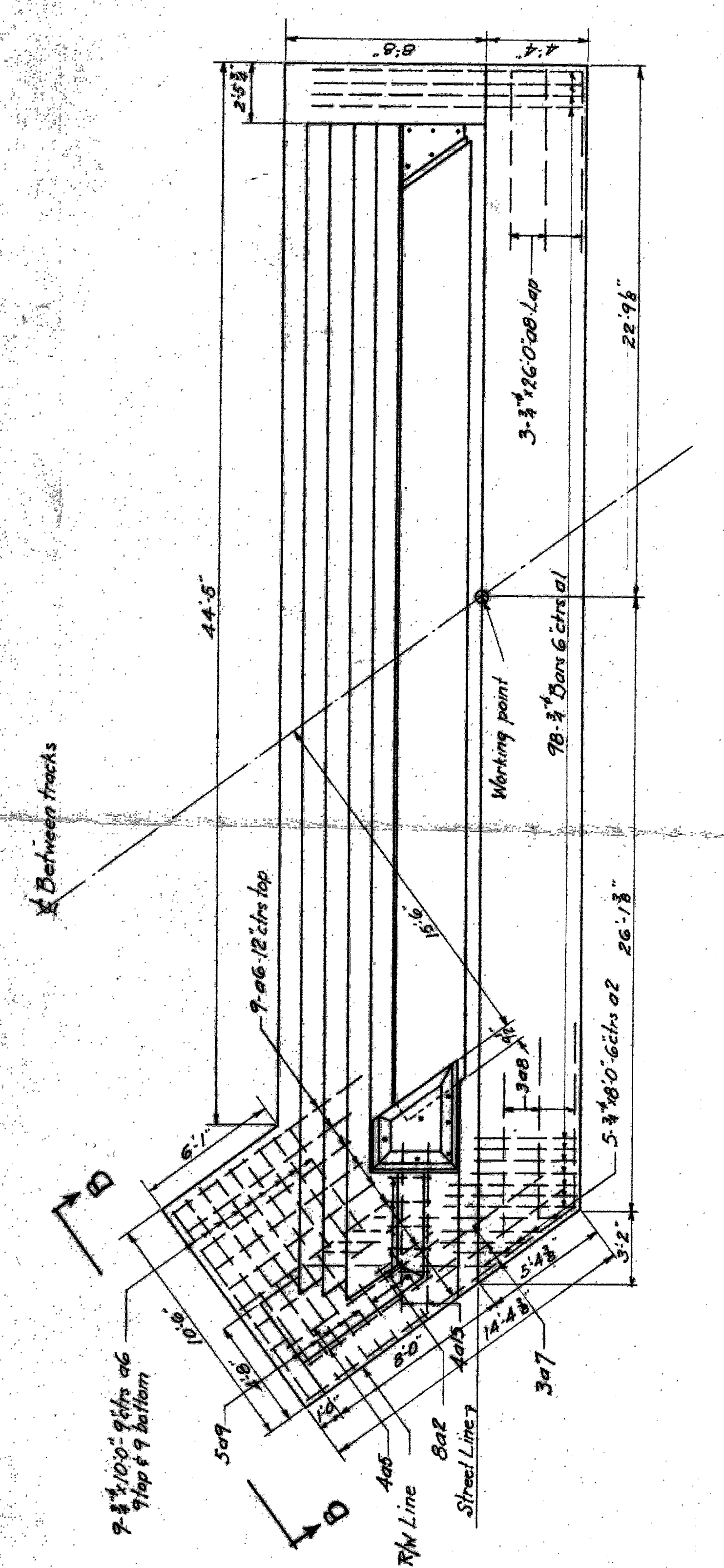


DETAILS OF BENTS
 Scale: 1/4" = 1'-0"

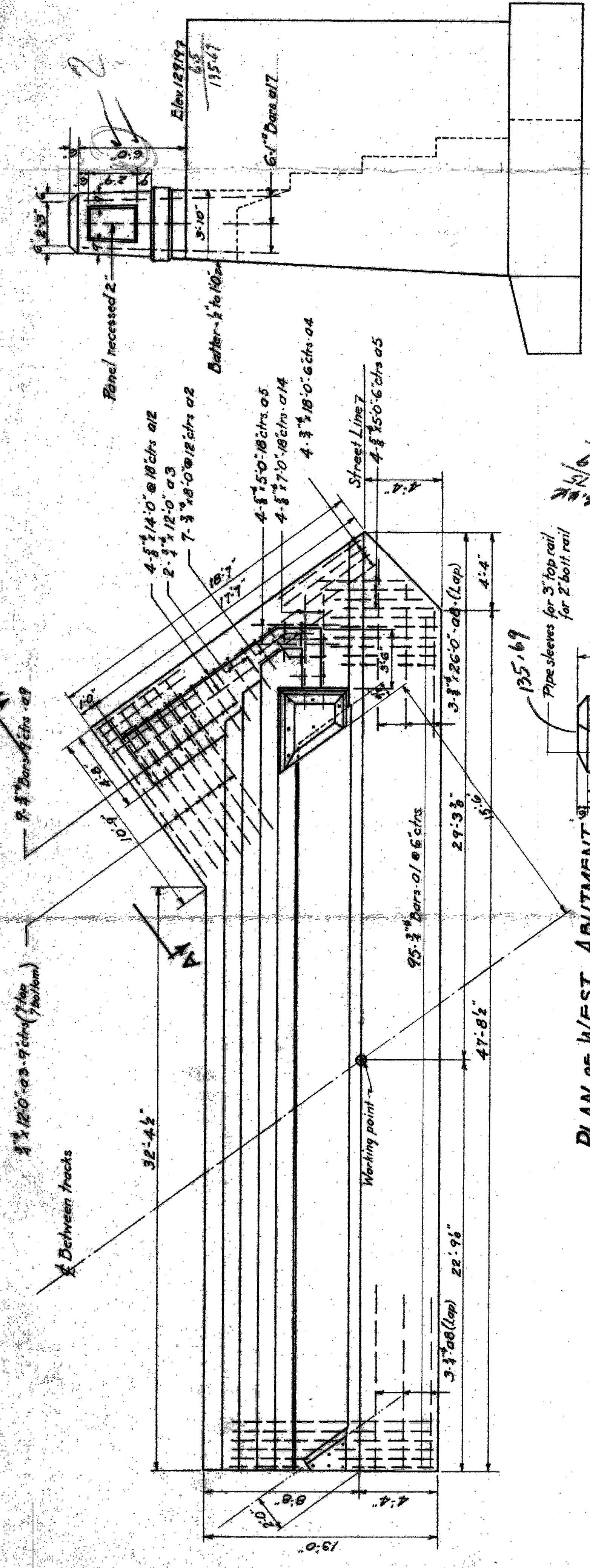
SECTION A-A



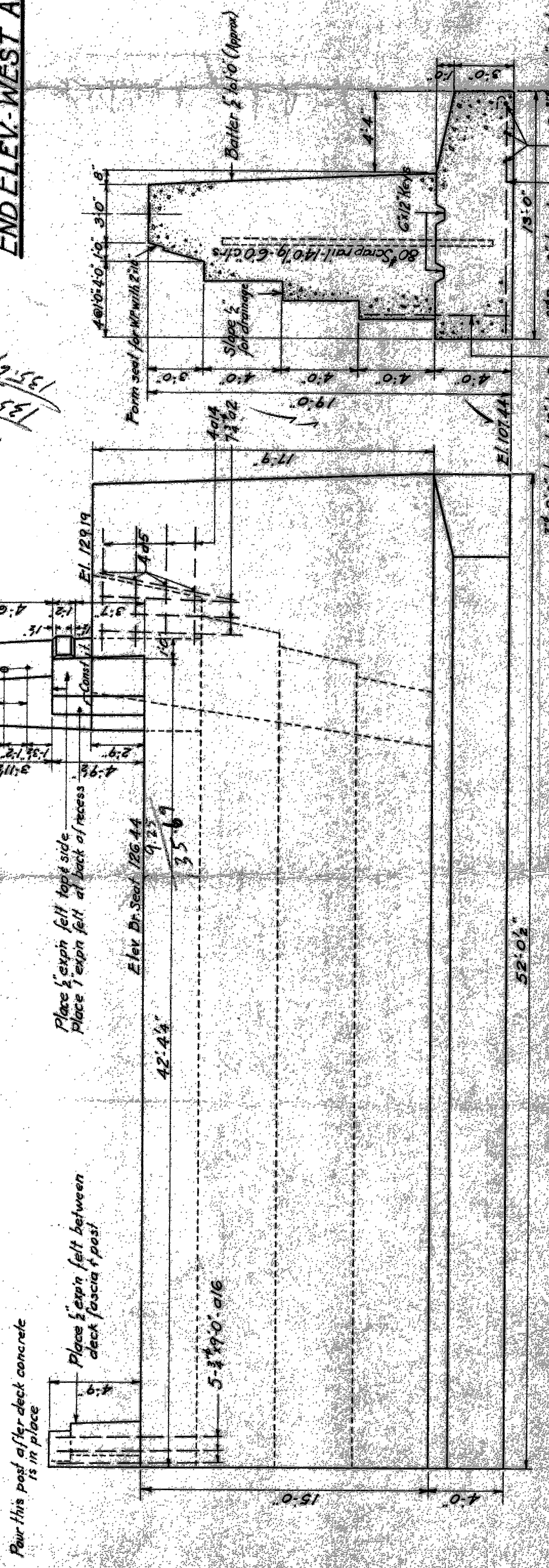
Flex 1250 West pier
 Flex 1250 East pier



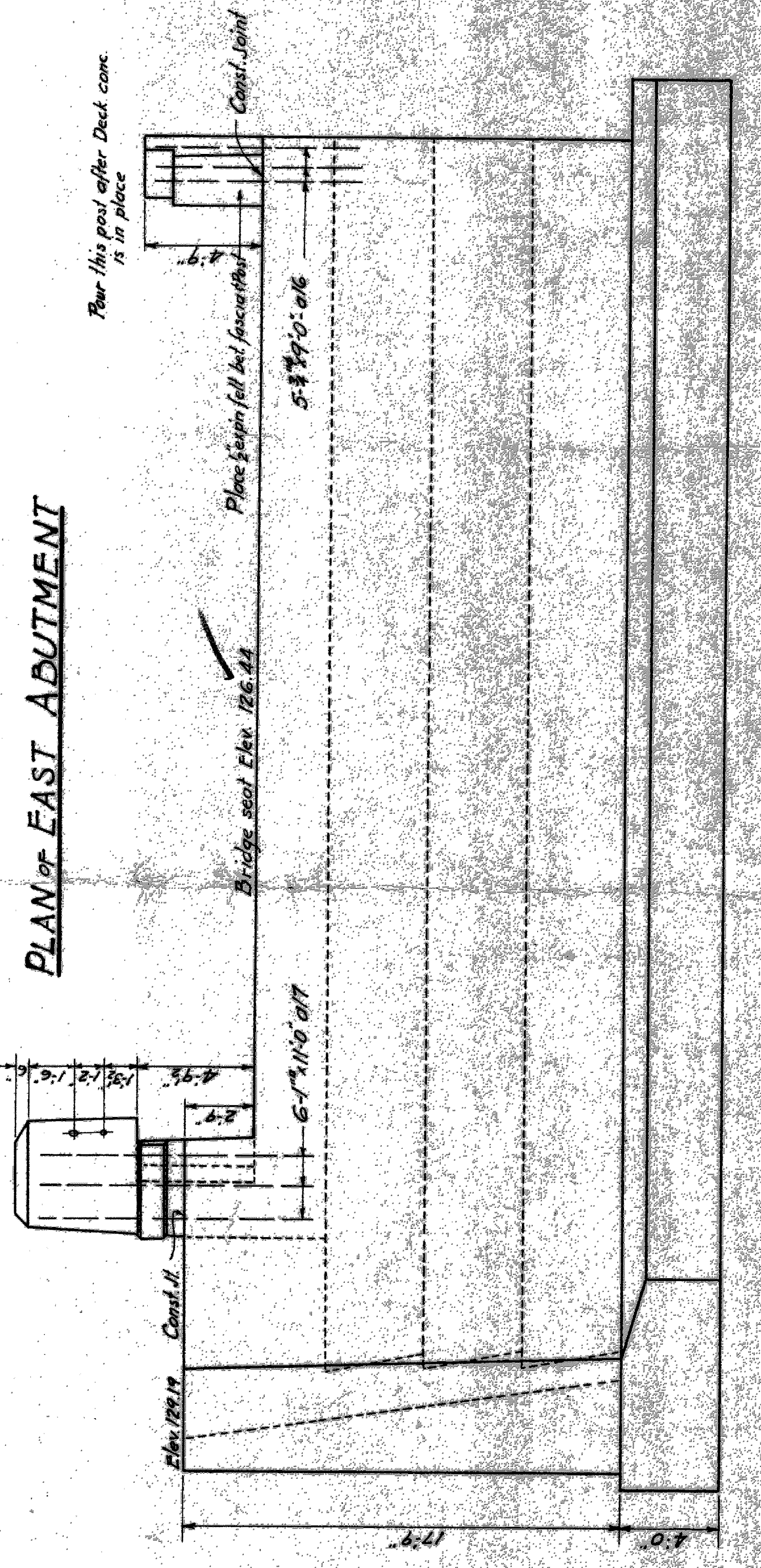
PLAN OF WEST ABUTMENT



END ELEV. WEST ABUTMENT



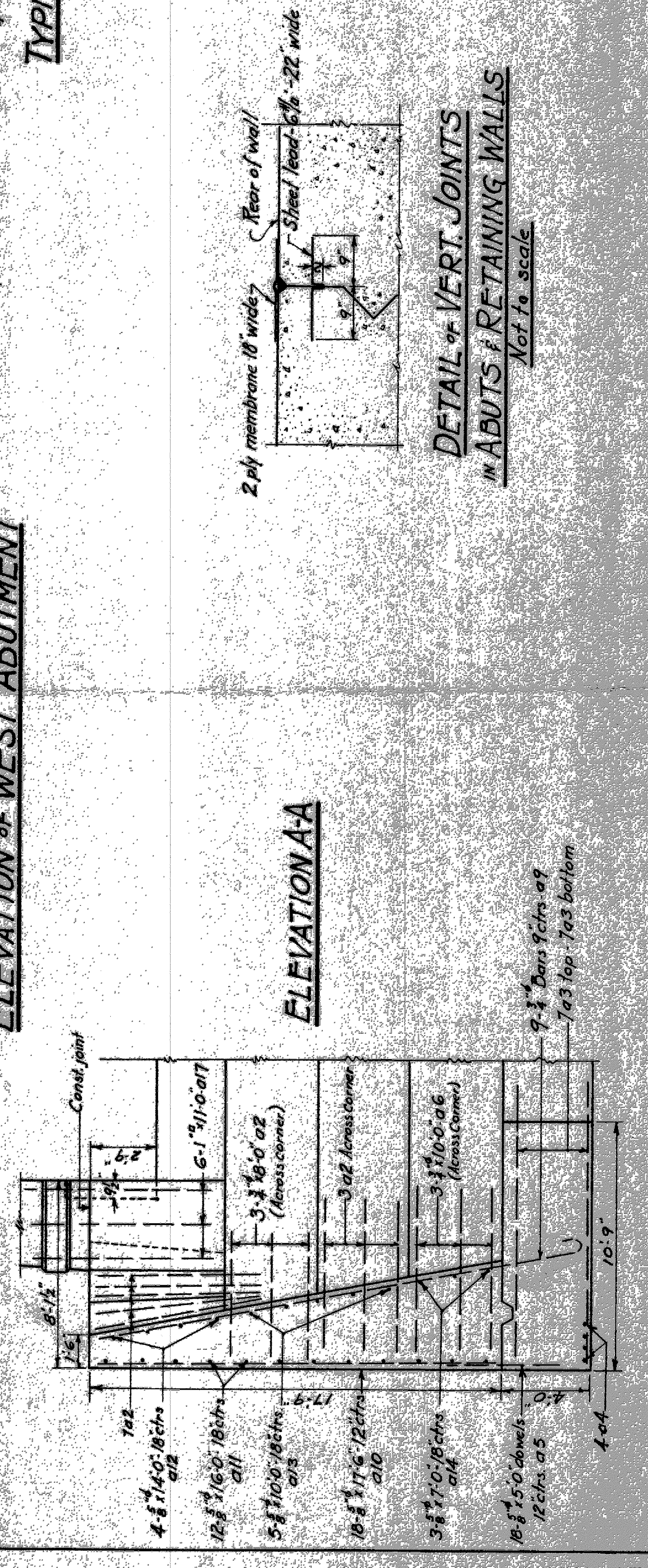
PLAN OF EAST ABUTMENT



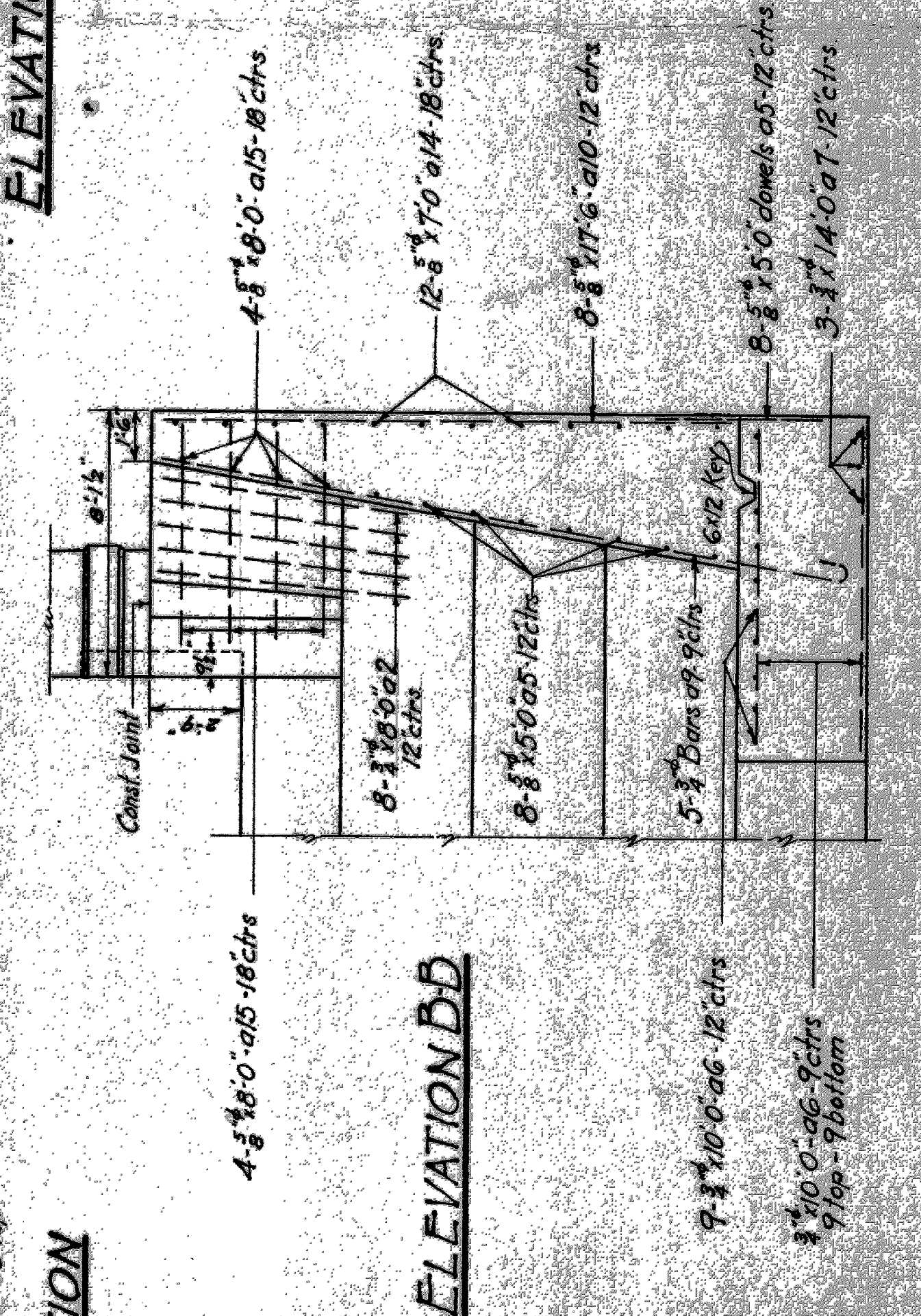
ELEVATION OF EAST ABUTMENT

TYPICAL CROSS SECTION

ELEVATION OF WEST ABUTMENT



ELEVATION A-A



ELEVATION B-B



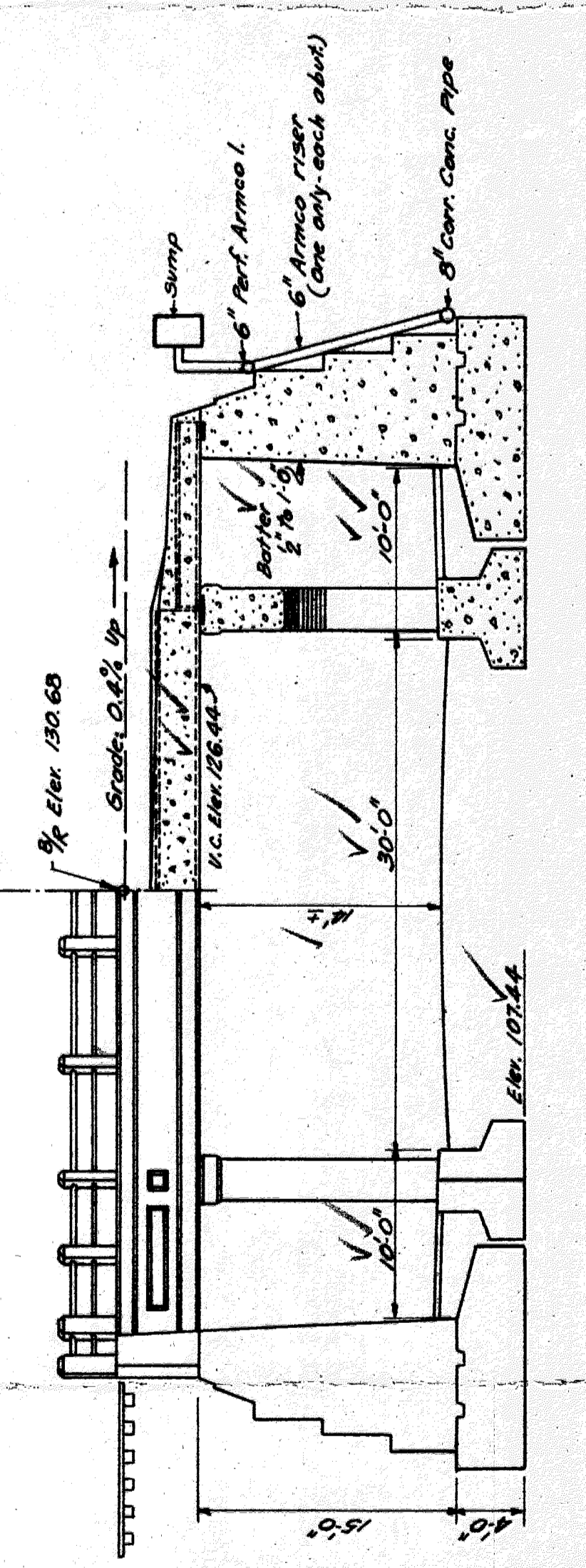
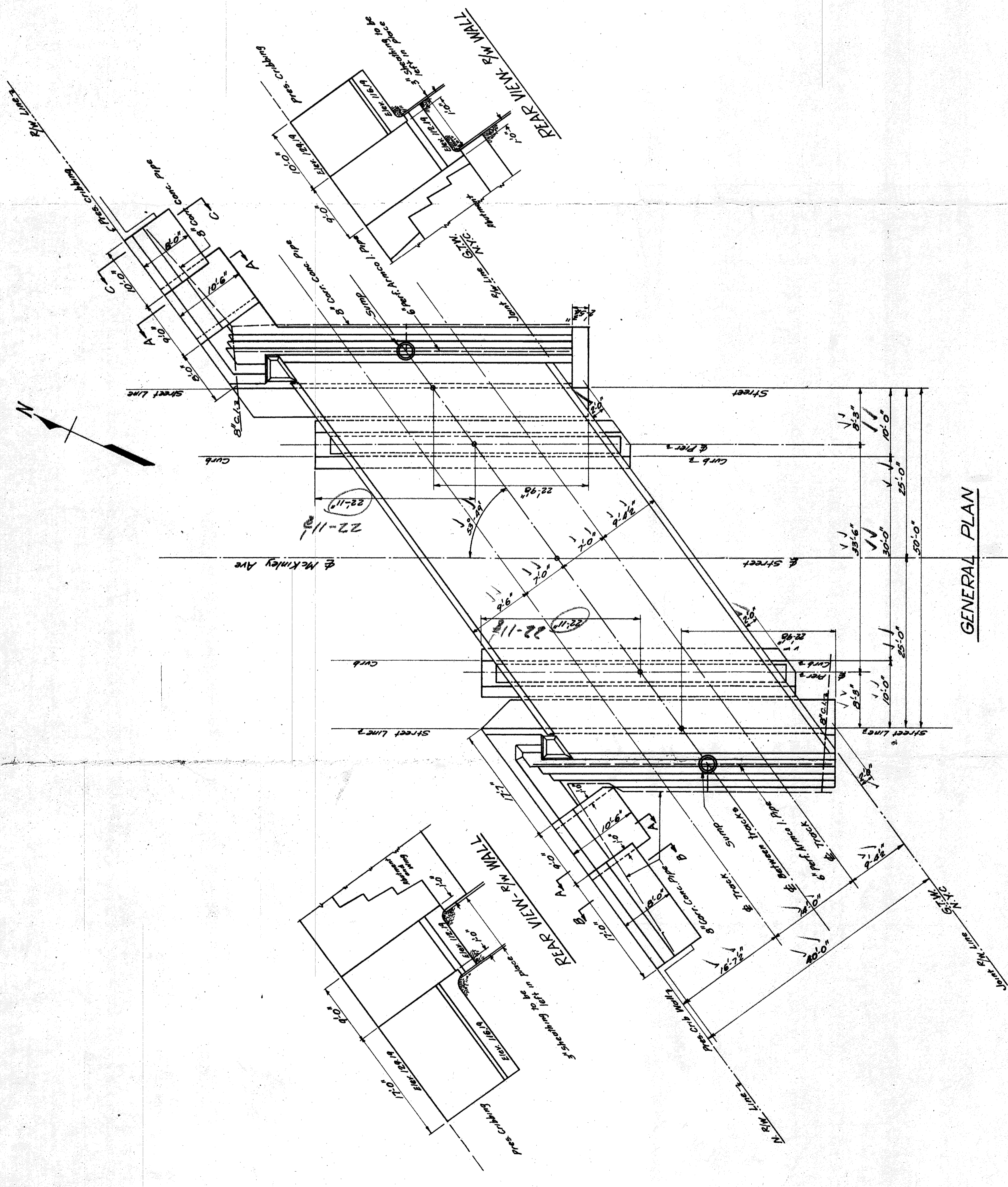
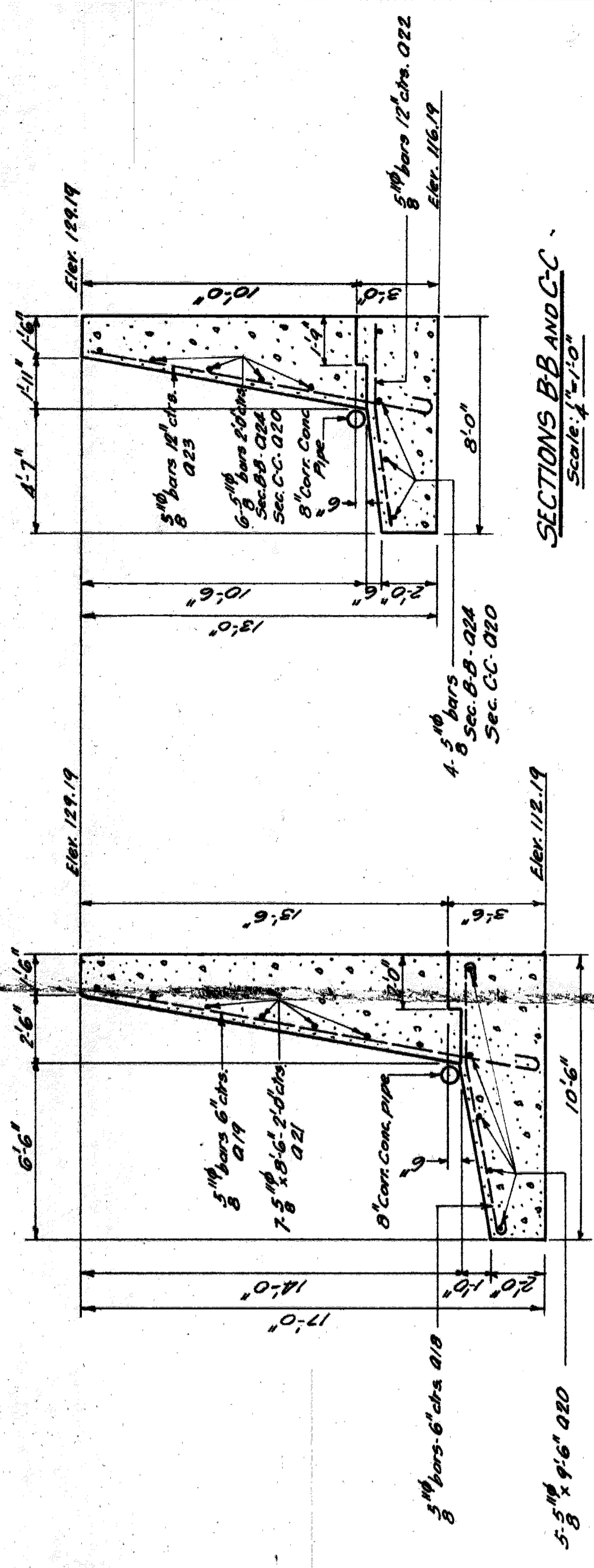
DETAIL OF VERT JOINTS IN ABUTS & RETAINING WALLS
Not to scale

GRAND TRUNK WESTERN RR
ABUTMENT DETAILS
McKINLEY AVE. GRADE SEPN
WEST DETROIT-MICHIGAN
SCALE: 1/4\"/>

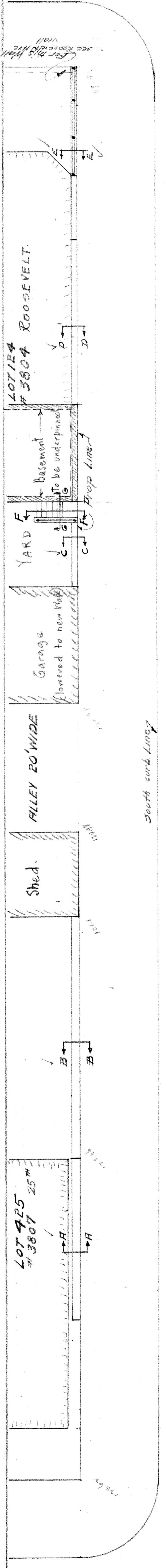
DE. M. J. B. OFFICE OF CHIEF ENGINEER
TR. M. J. B. DETROIT - MICHIGAN
CH. W. G. I. T. APRIL 10, 1935

Sheet 12 of 15
File XU-25-16
6/23/35

NOTE: For details of surface sump see
 General Plan and Sections for
 Roosevelt Ave.
 All exposed top surfaces to be given
 a slight slope for drainage.

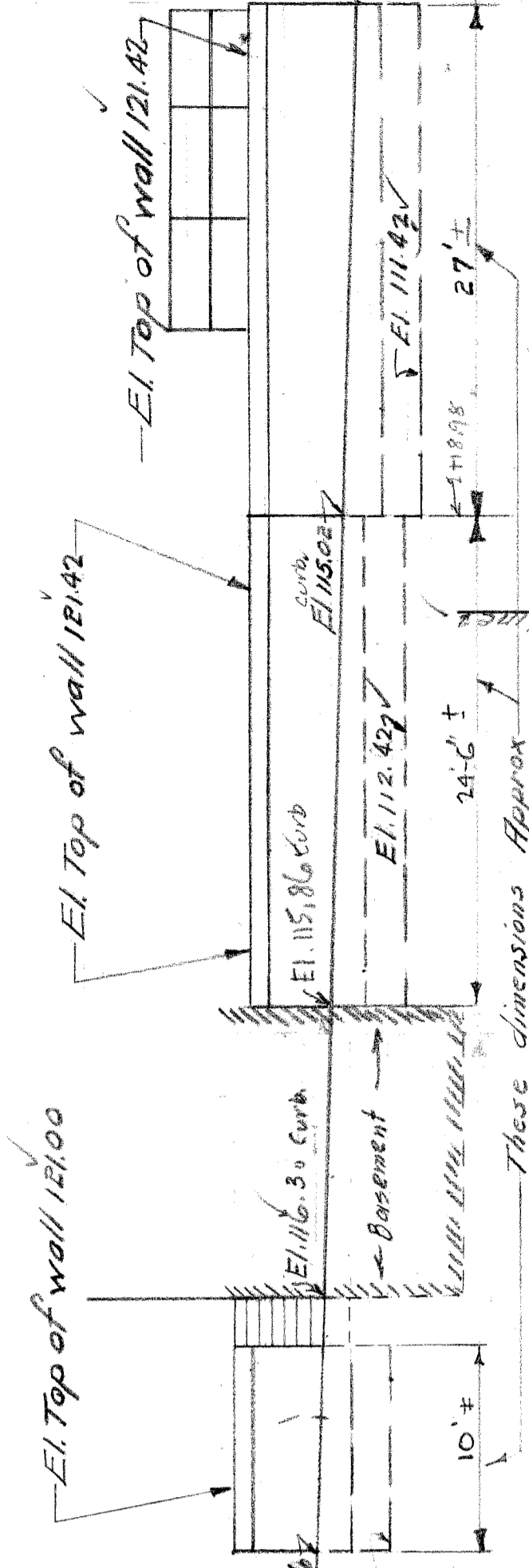


ROOSEVELT AVE

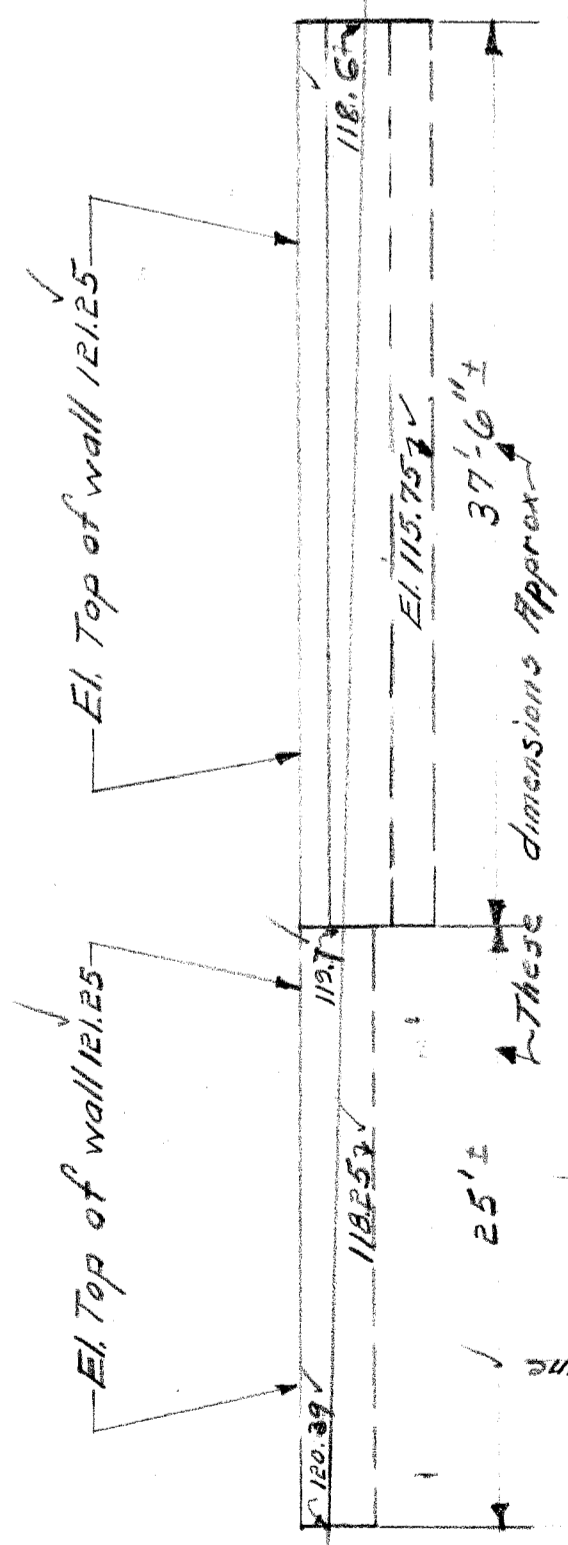


South curb line

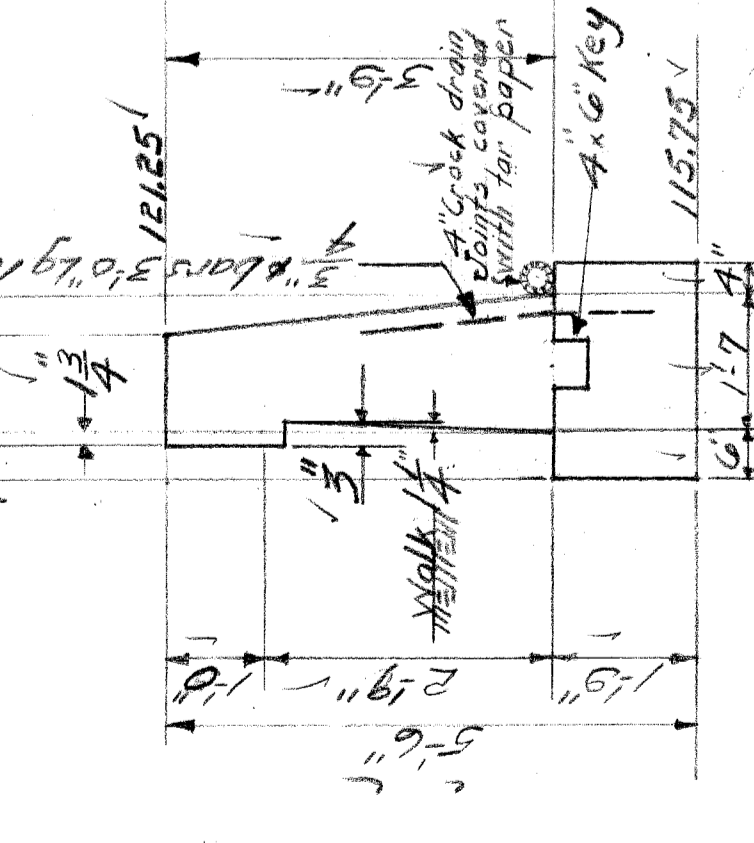
PLAN Scale 1/4" = 1'-0"



ELEVATION Scale 1/4" = 1'-0"

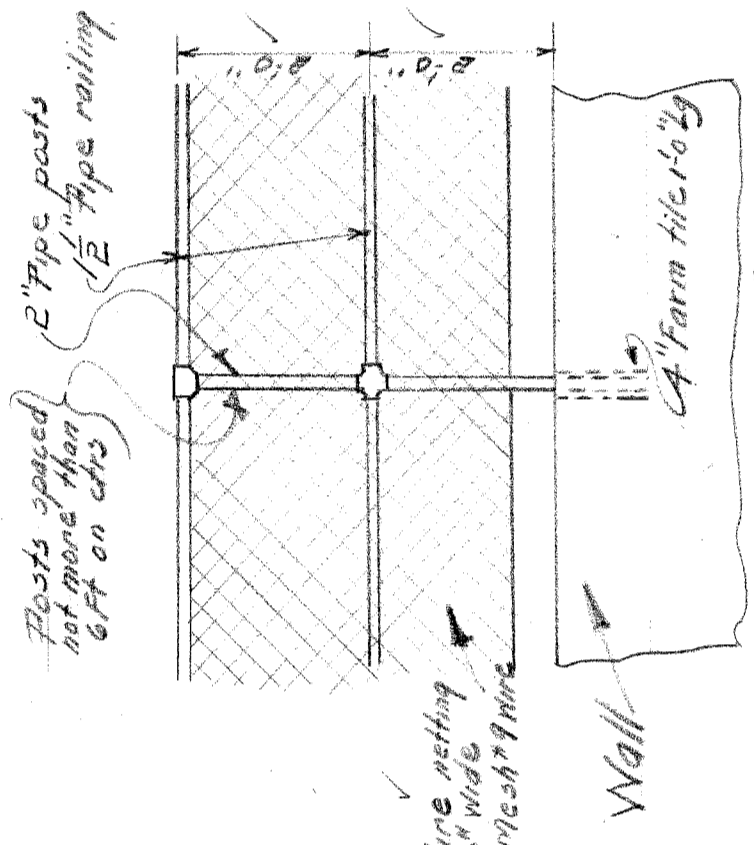


SECTION AA Scale 1/4" = 1'-0"

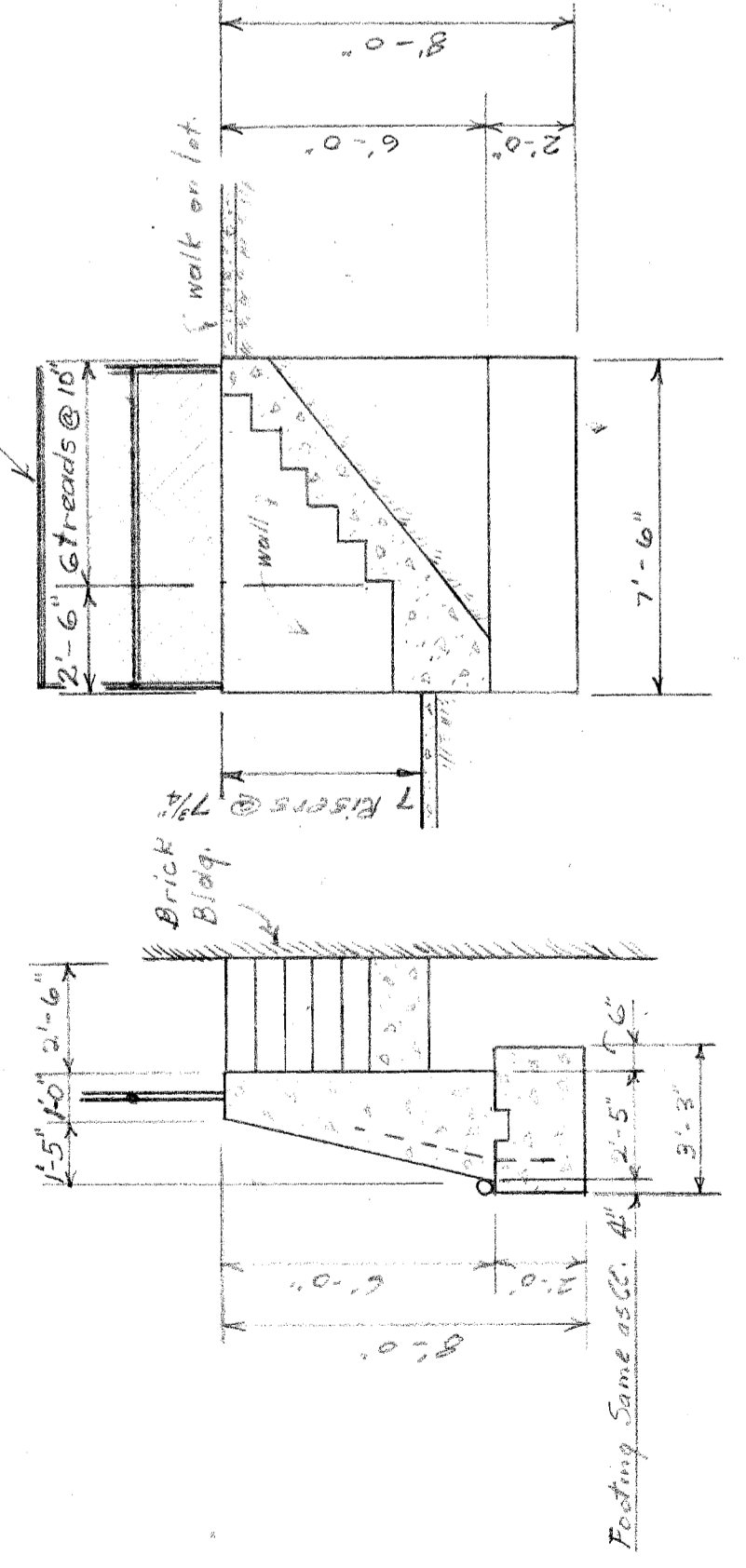


SECTION BB Scale 1/4" = 1'-0"

Notes
 All exposed corners to be chamfered to 1".
 All concrete mix 1:2:4.
 Back of walls to receive two brush coats of asphalt waterproofing.
 Connect all drains to sewer.

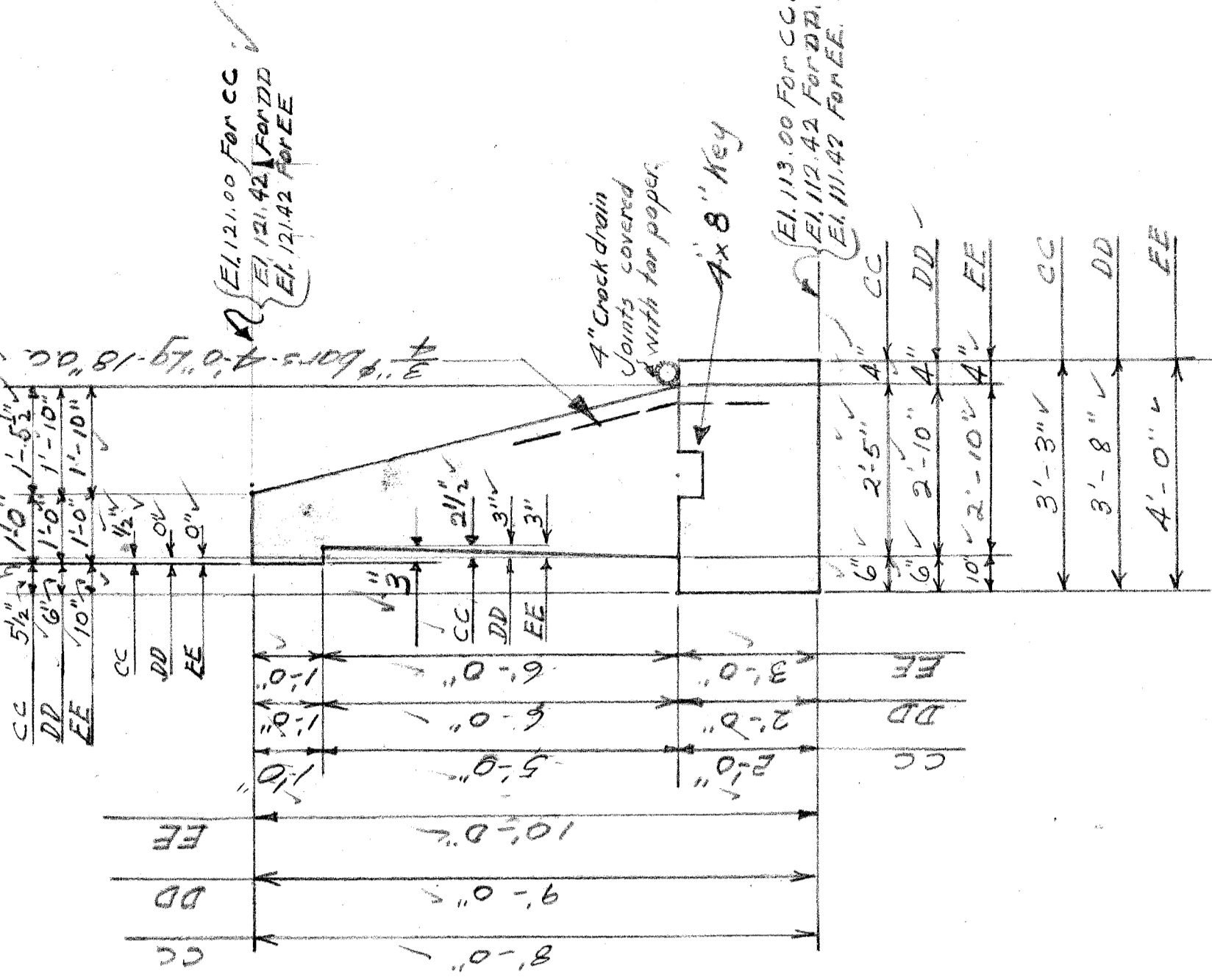


TYPICAL FENCE Scale 1/4" = 1'-0"



STEP DETAIL Scale 1/4" = 1'-0"

SECTIONS "CC-DD-EE"



SECTIONS "FF & GG"

Scale 1/4" = 1'-0"

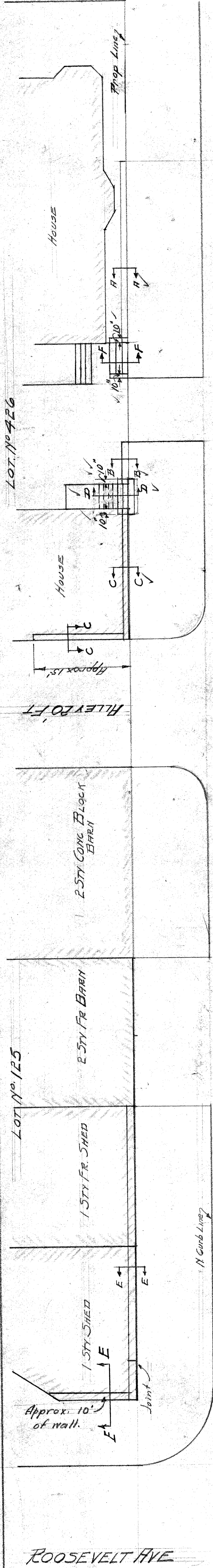
CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF GRADE SEPARATION & BRIDGES
 LINDEN FIVE WALL

SOUTH SIDE BETWEEN ROOSEVELT & TWENTY-FIFTH
 Scale as indicated
 Drawn by C.W.K.
 Checked by R.S.
 Sept 1925

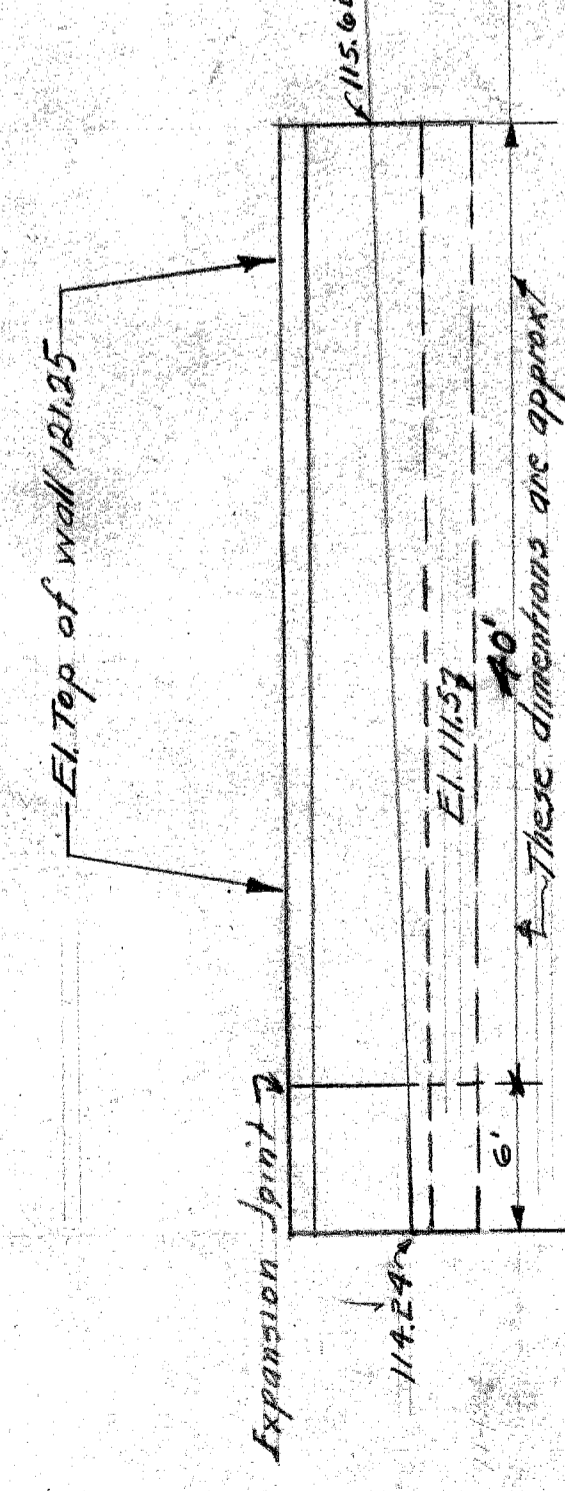
House No.	Approved Date	OWNER
3804		
3807		

File XU-24-18

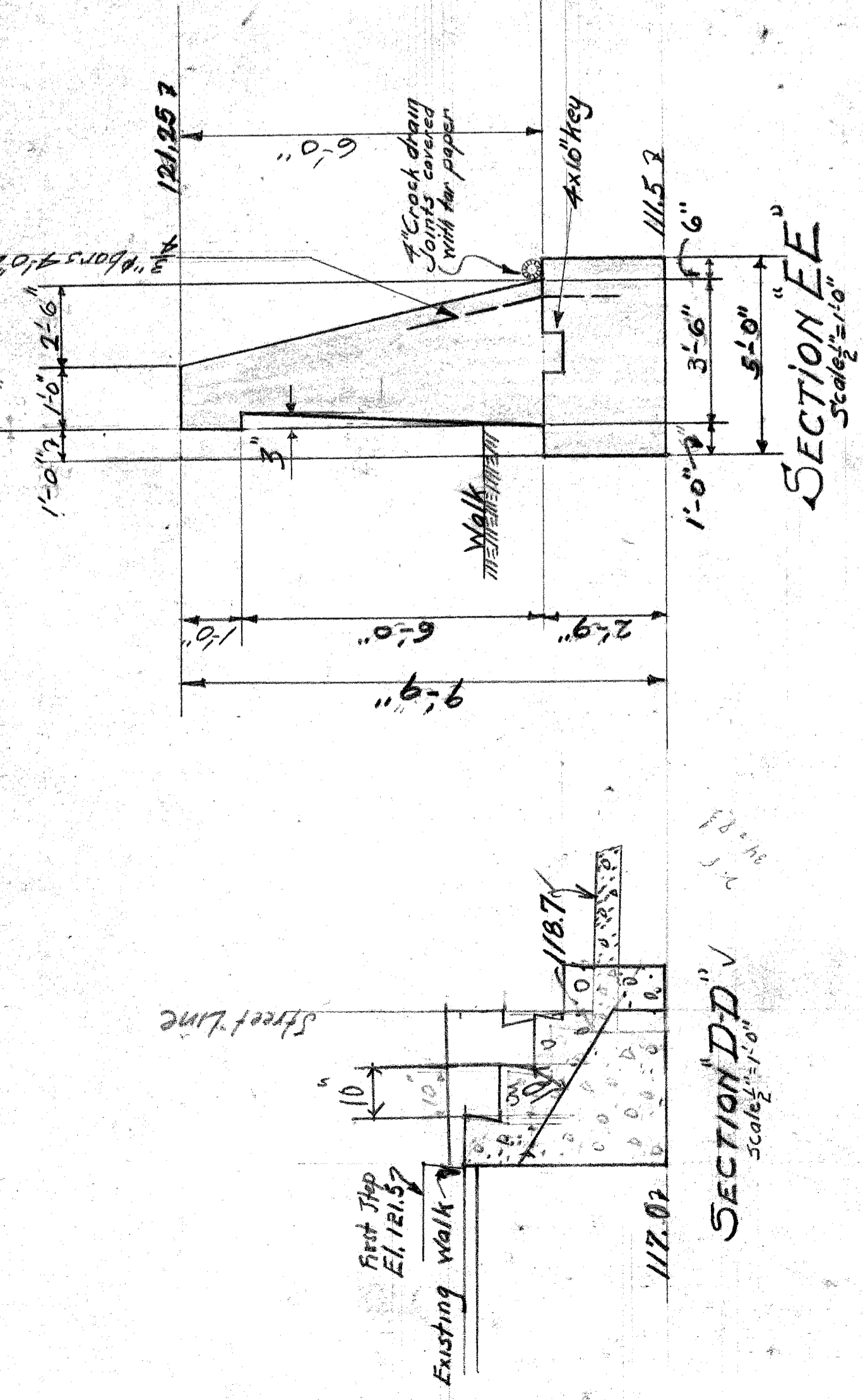
M.C.R.R.



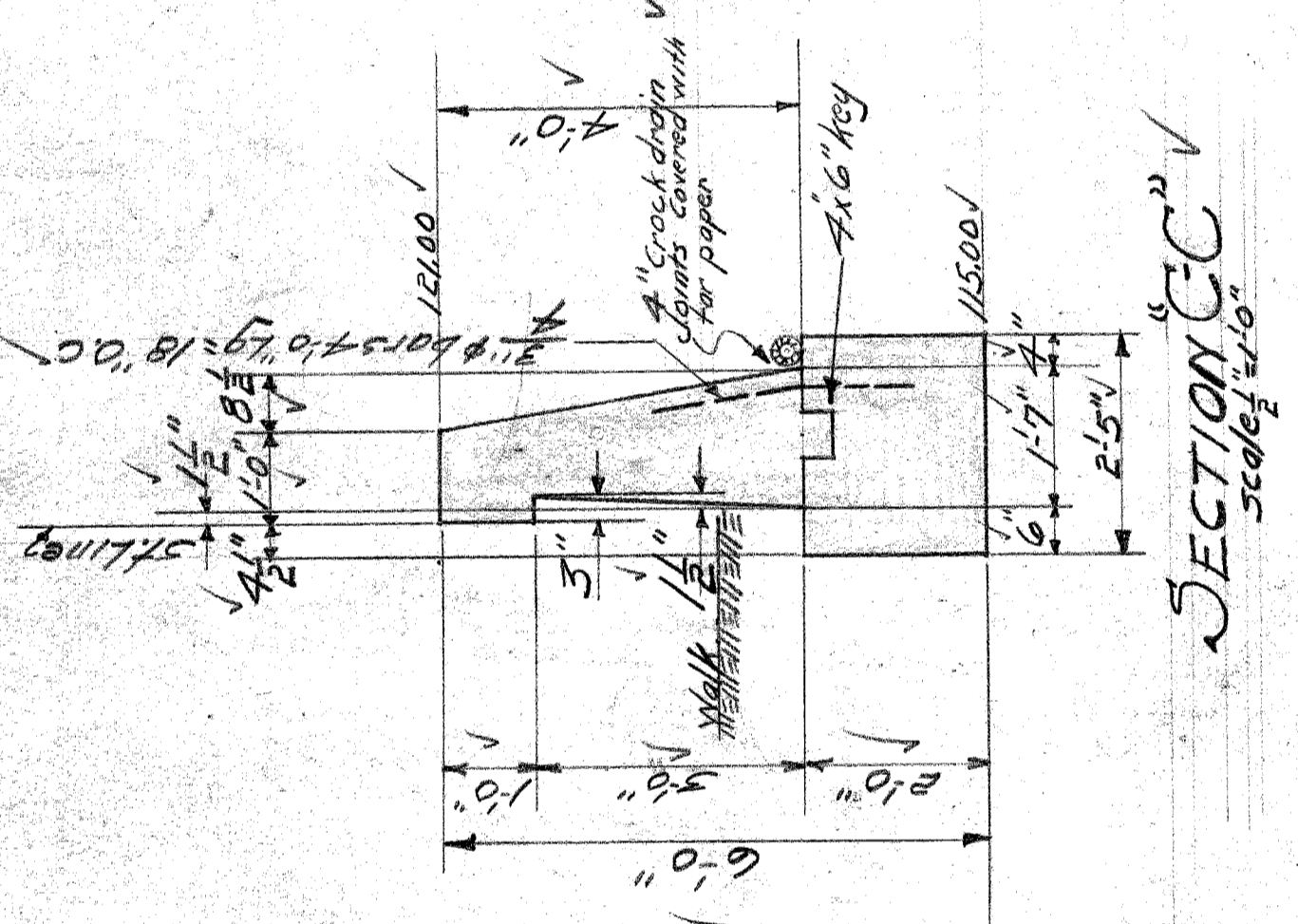
PLAN
Scale 1/4" = 1'-0"



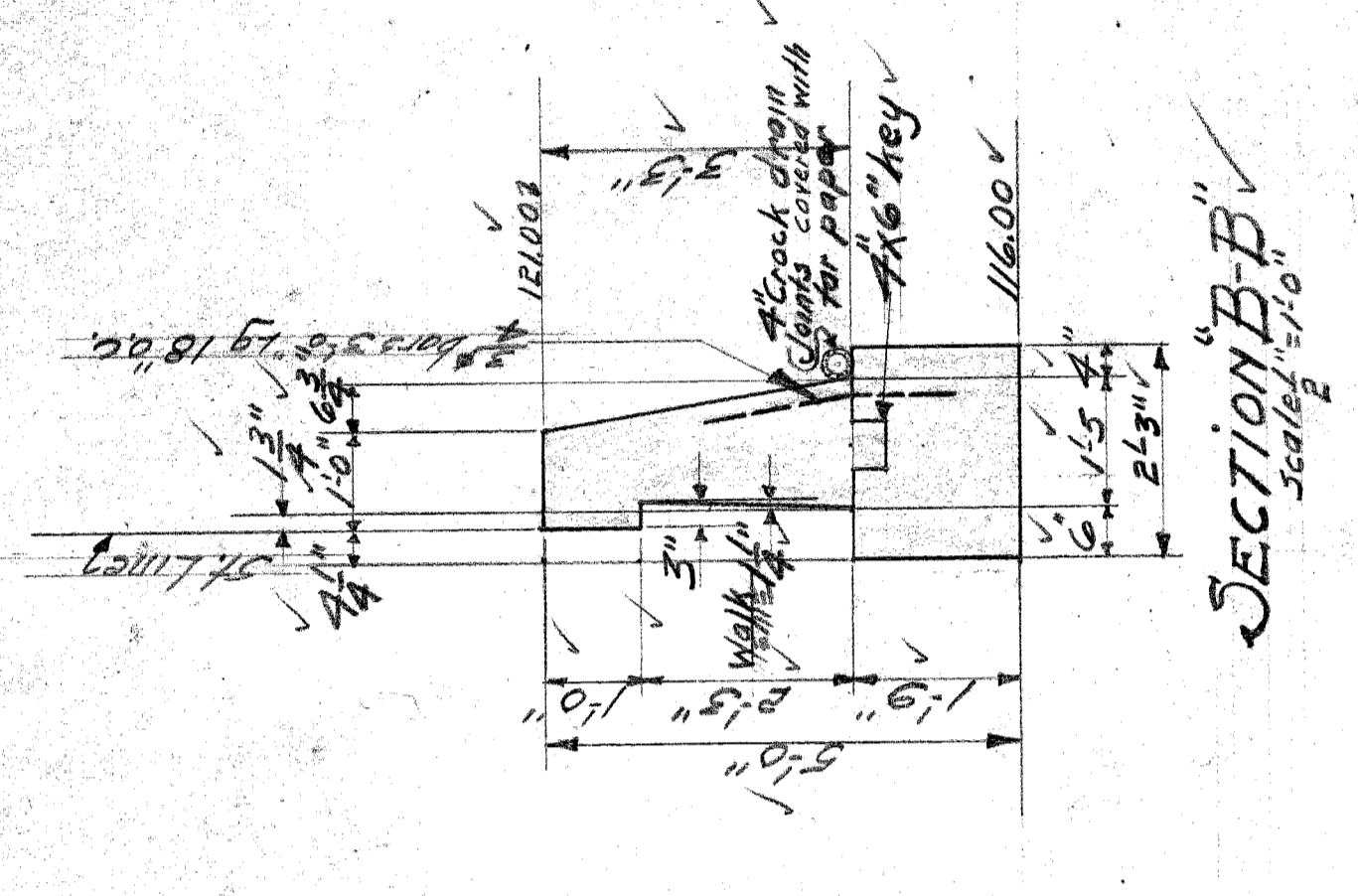
ELEVATION
Scale 1/4" = 1'-0"



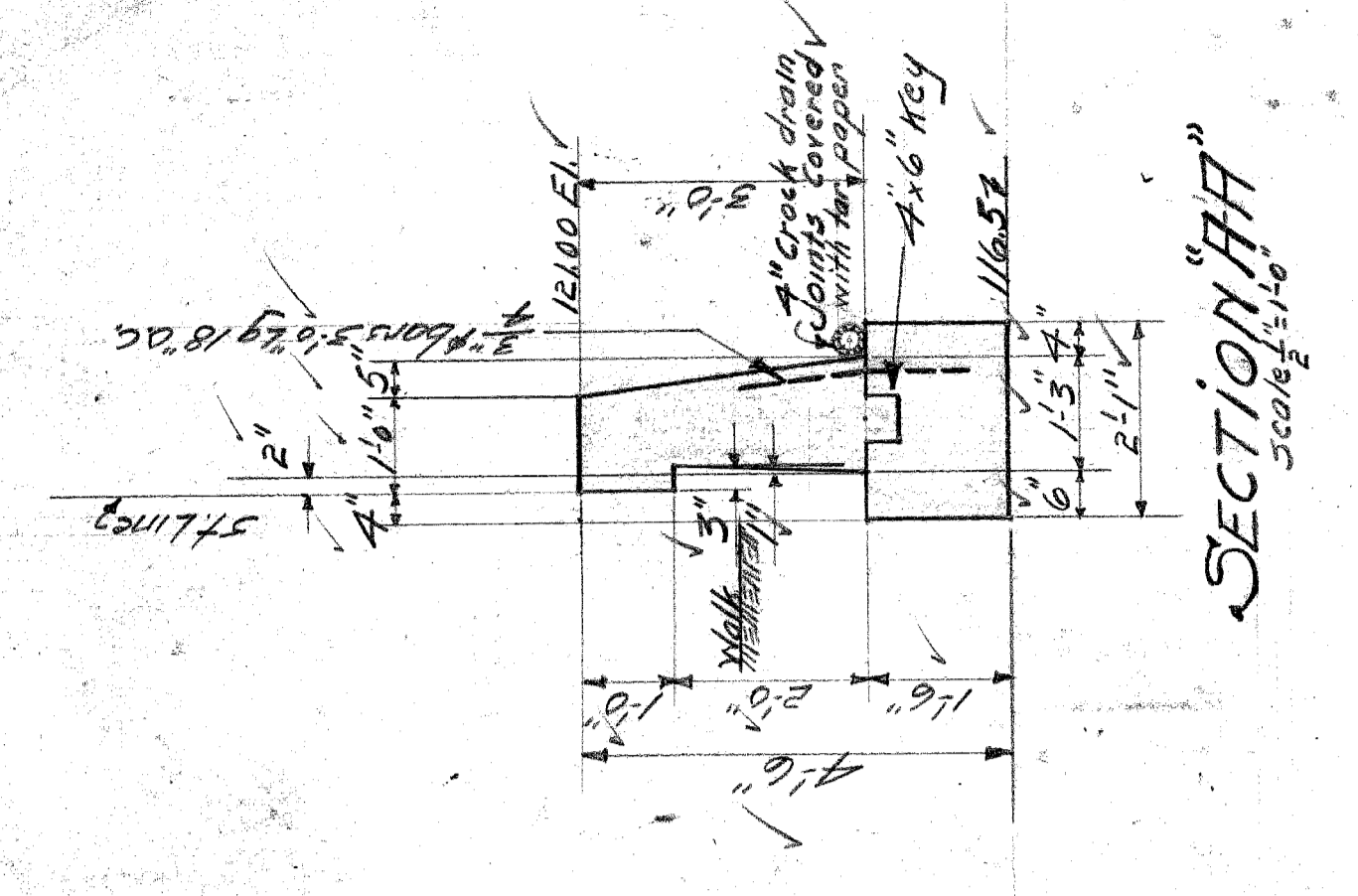
SECTION DD
Scale 1/4" = 1'-0"



SECTION EC
Scale 1/4" = 1'-0"

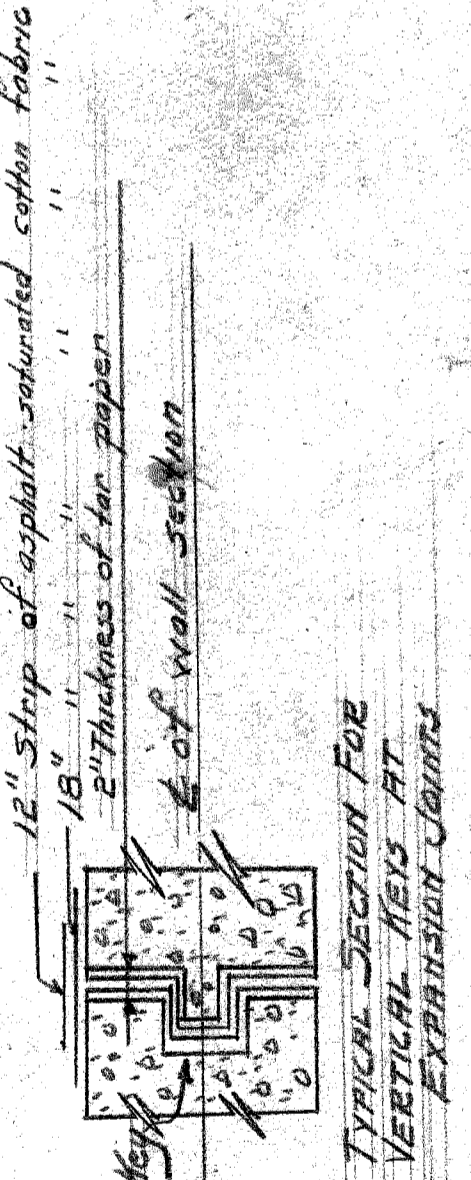


SECTION BB
Scale 1/4" = 1'-0"



SECTION HH
Scale 1/4" = 1'-0"

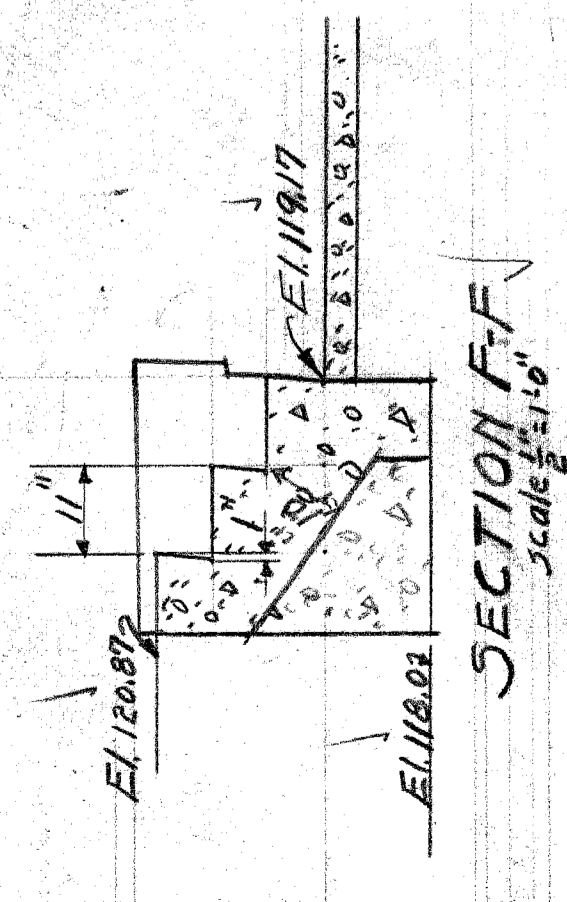
NOTES
All exposed corners to be chamfered to 1"
All concrete mix 1:1:4
Back of walls to receive two brush coats of asphalt waterproofing
Connect all drains to sewer



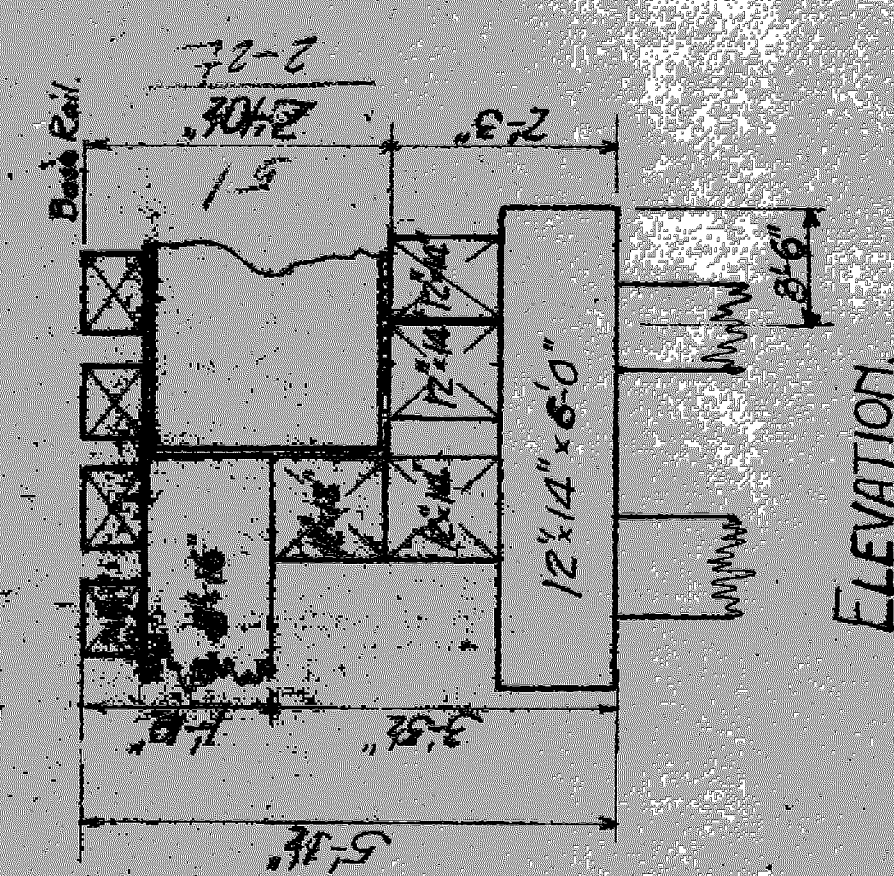
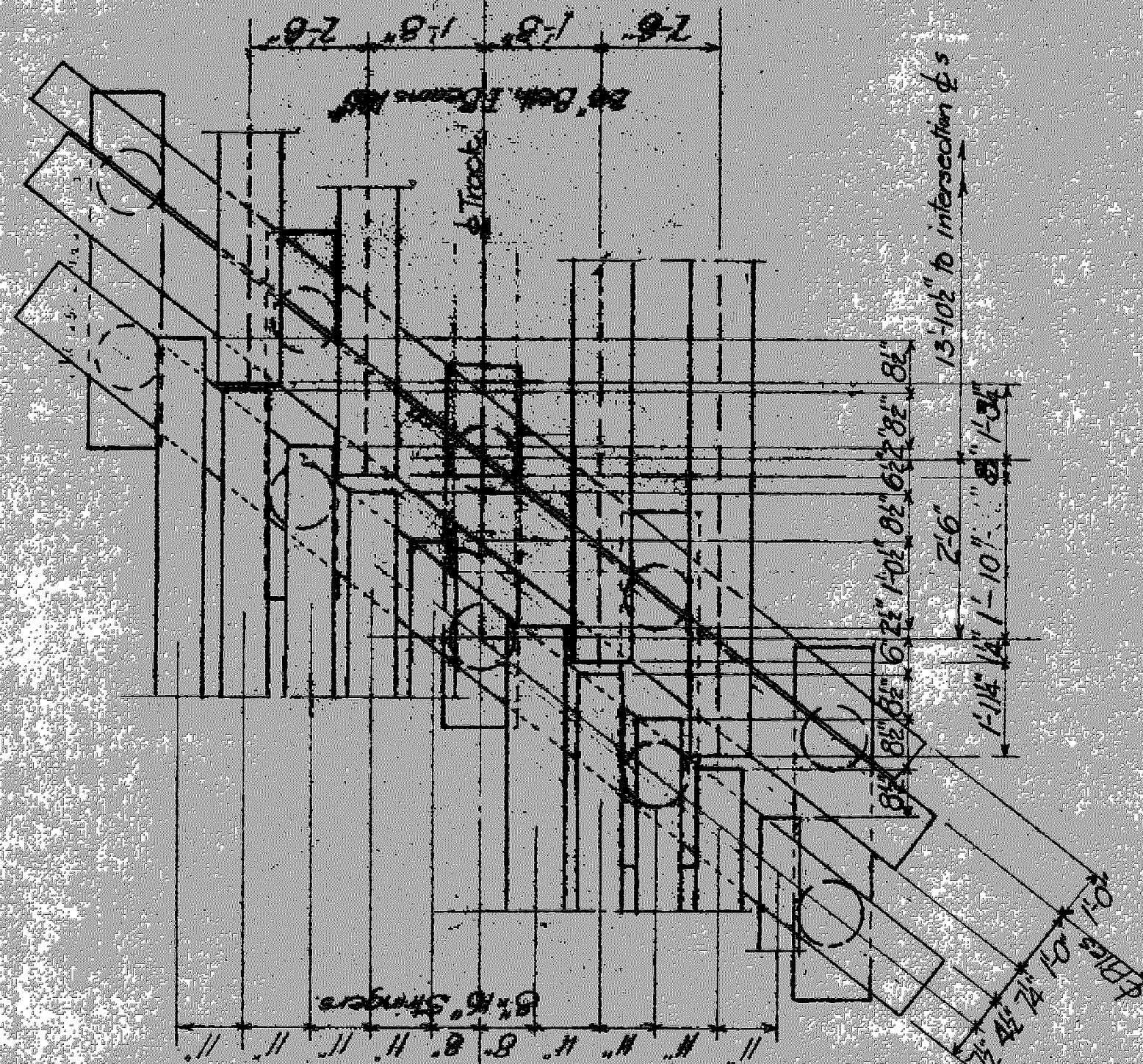
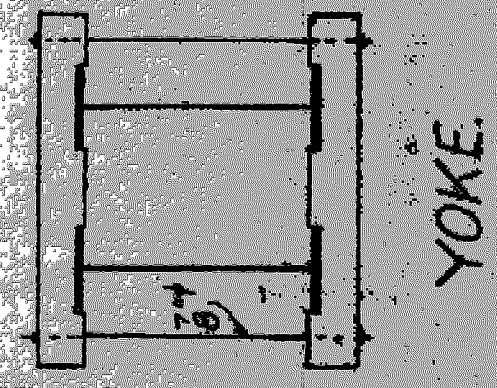
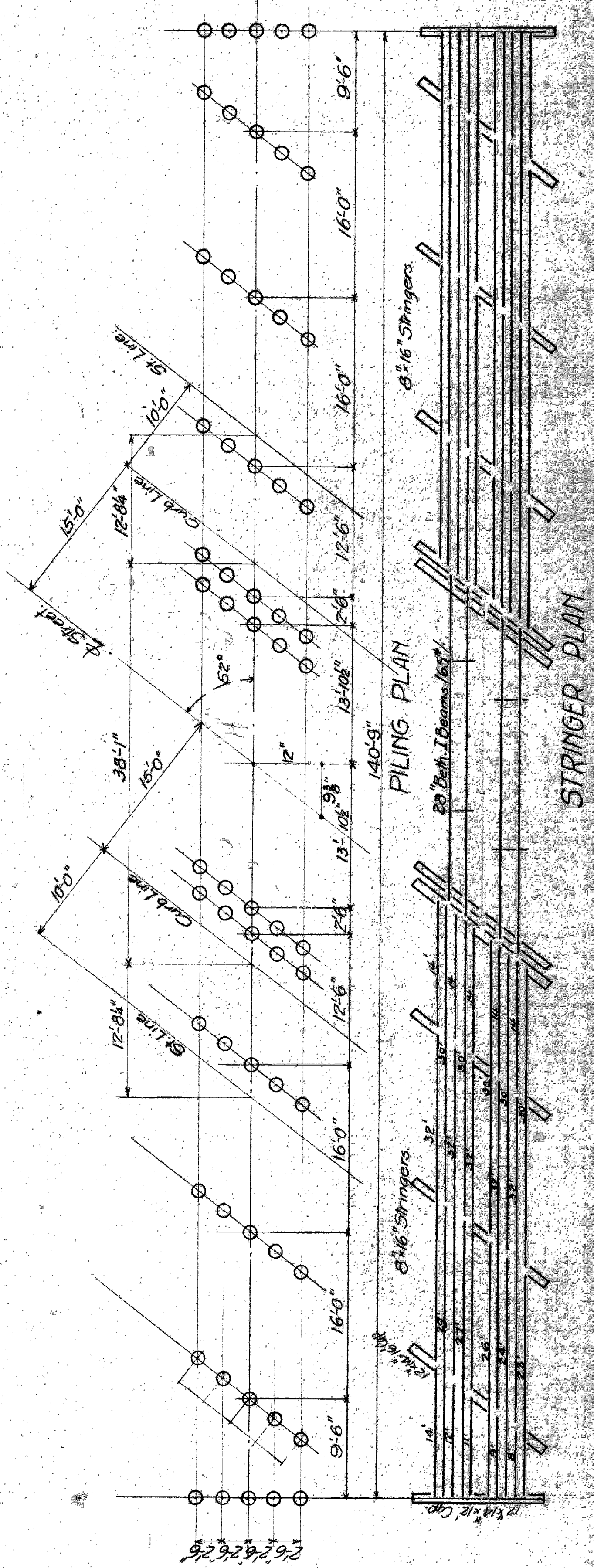
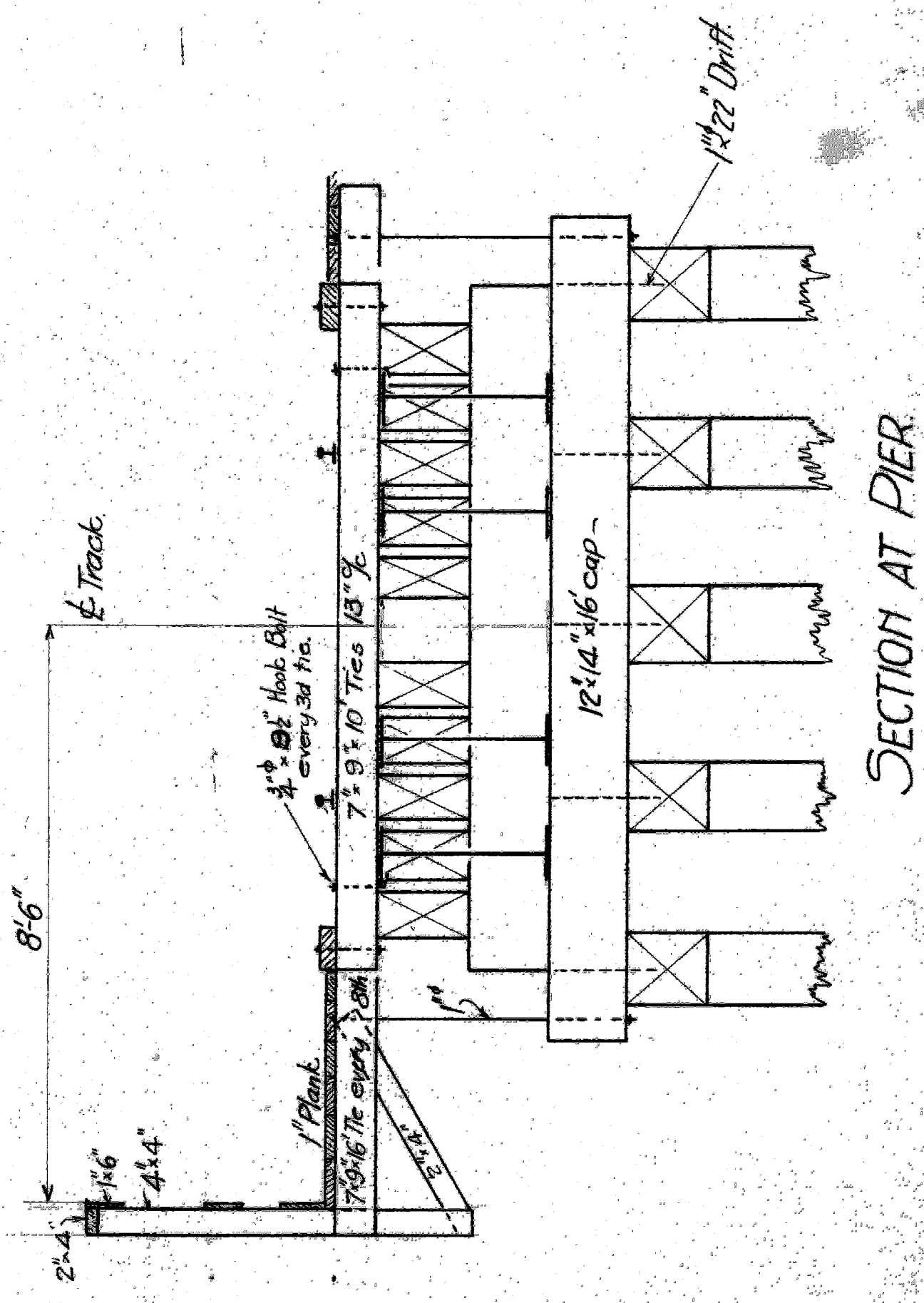
TYPICAL SECTION FOR VERTICAL JOINTS AT EXPANSION JOINTS

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
DIVISION OF GRADE SEPARATION & BRIDGES
LINDEN AVE WALL
NORTH SIDE BETWEEN ROOSEVELT & TWENTY-FIFTH
Scale as indicated
Drawn by C.W.K.
Checked by R.S.
10-3-25

HOUSE NO	APPROX. DATE	OWNER



SECTION FF
Scale 1/4" = 1'-0"



4 TRUSTLES THUS 13'-0" @ EACH CROSSING.