

CITY ENGINEERS OFFICE
 SUPERVISOR OF BRIDGES
 A
 B
 I-1-d

Section Across Roadway at E-E

Section B-B

Section C-C

Section D-D

Bar List

No.	Size	Length	Location	Sketch
16	3/4"	39	6	Q
4	"	34	6	b
4	"	31	0	C
4	"	27	6	d
8	1/2"	24	0	e
8	"	20	6	f
8	"	17	0	g
8	"	13	6	h
8	"	10	0	i
8	"	6	6	m
4	"	34	6	n
4	"	31	0	p
4	"	27	6	t
16	"	39	6	s
68	1/2"	24	6	t
128	1/2"	22	0	v
58	1/2"	11	6	w
40	1/2"	28	0	x
12	1/2"	28	6	y
34	1/2"	10	0	z
48	1/2"	20	0	aa
16	1/2"	8	0	ab
32	"	10	0	ac
32	"	10	6	ad
32	"	11	6	ae
34	"	5	6	af
34	"	10	0	ag
24	"	25	6	ah
18	"	15	0	ai
12	"	12	0	aj
6	"	10	3	ak
8	"	10	3	al
2	"	5	6	am
5	3/4"	19	0	an
3	3/4"	14	0	ao
2	"	31	0	ap
8	"	12	0	aq
48	1/2"	5	0	ar
12	"	26	0	as
12	"	34	6	at
56	"	3	0	au
16	"	16	3	av
275	4-20	1/2		aw
70	3x1/2x1/2			ax
				ay
				az
				ba
				bb
				bc
				bd
				be
				bf

Make 70 bar supports "bf"

Make 275 bar supports "be"

Hole for 1" bar

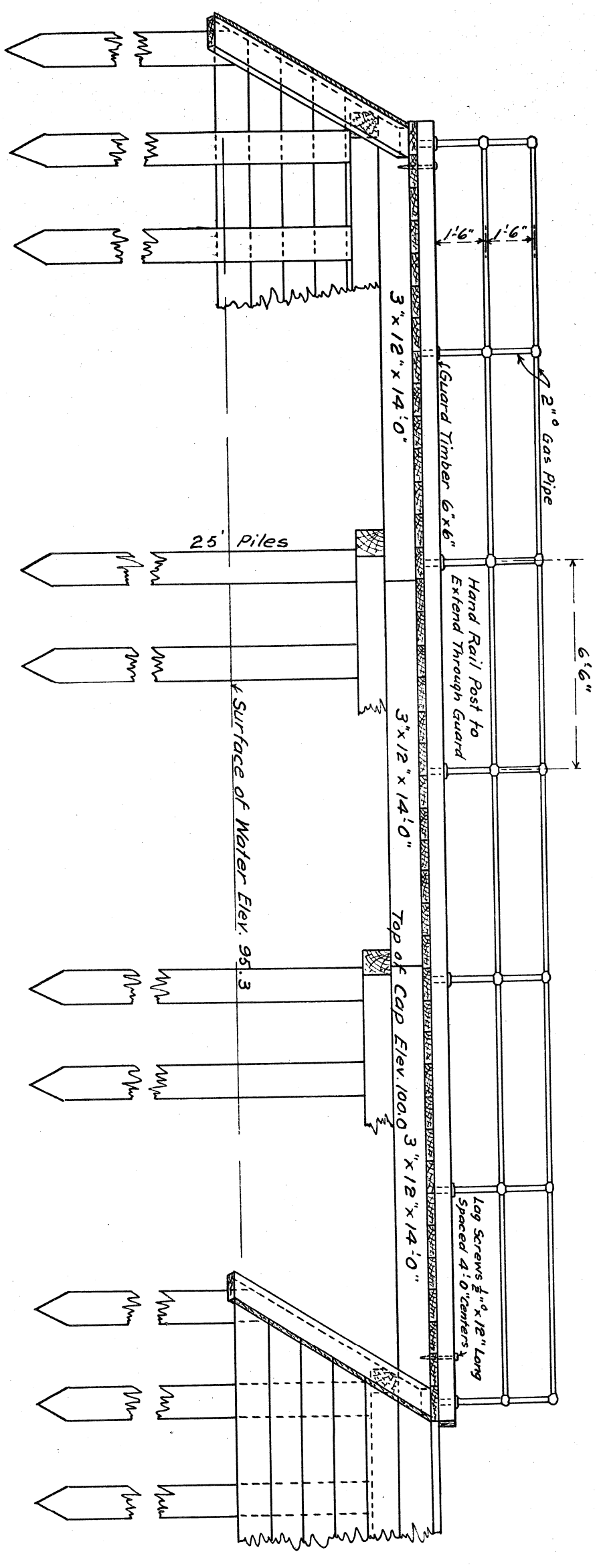
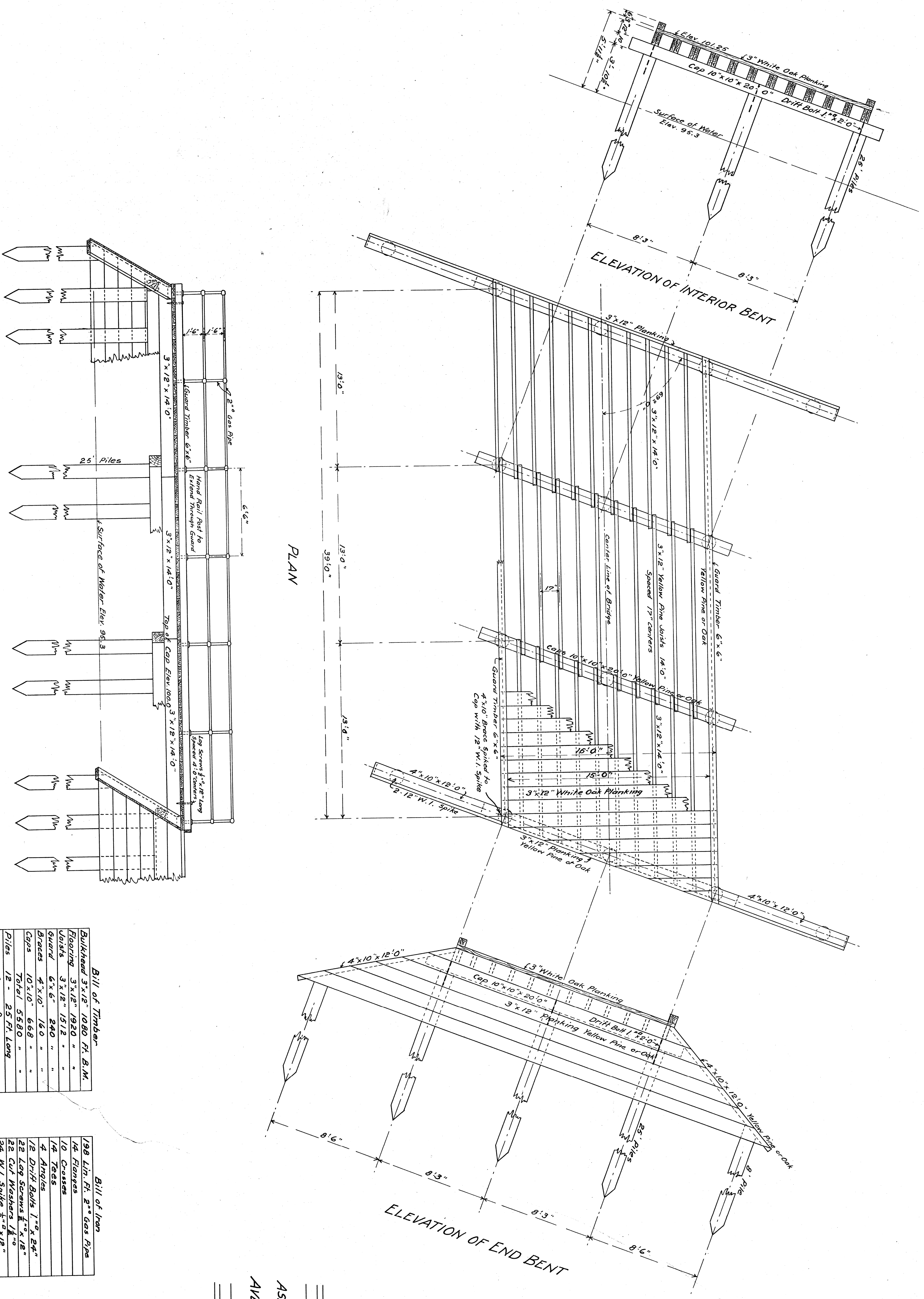
Hole for 1/2" bar

CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 OFFICE OF CITY ENGINEER
 DIVISION OF GRADE SEPARATION AND BRIDGES
 ASHLAND AVE. BRIDGE
 FOX CREEK OVER
 NORTH OF JEFFERSON AVE.

Scale 1/4" = 1'-0"
 December 26, 1917

R. F. ROSS

Case No. A 13 1224

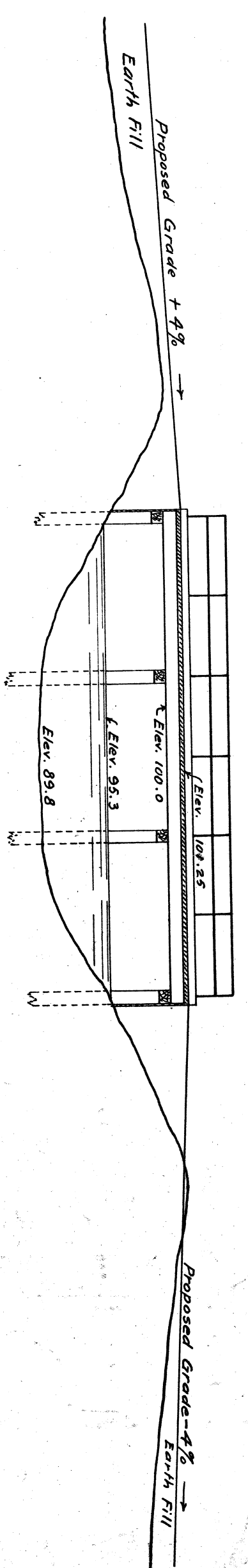
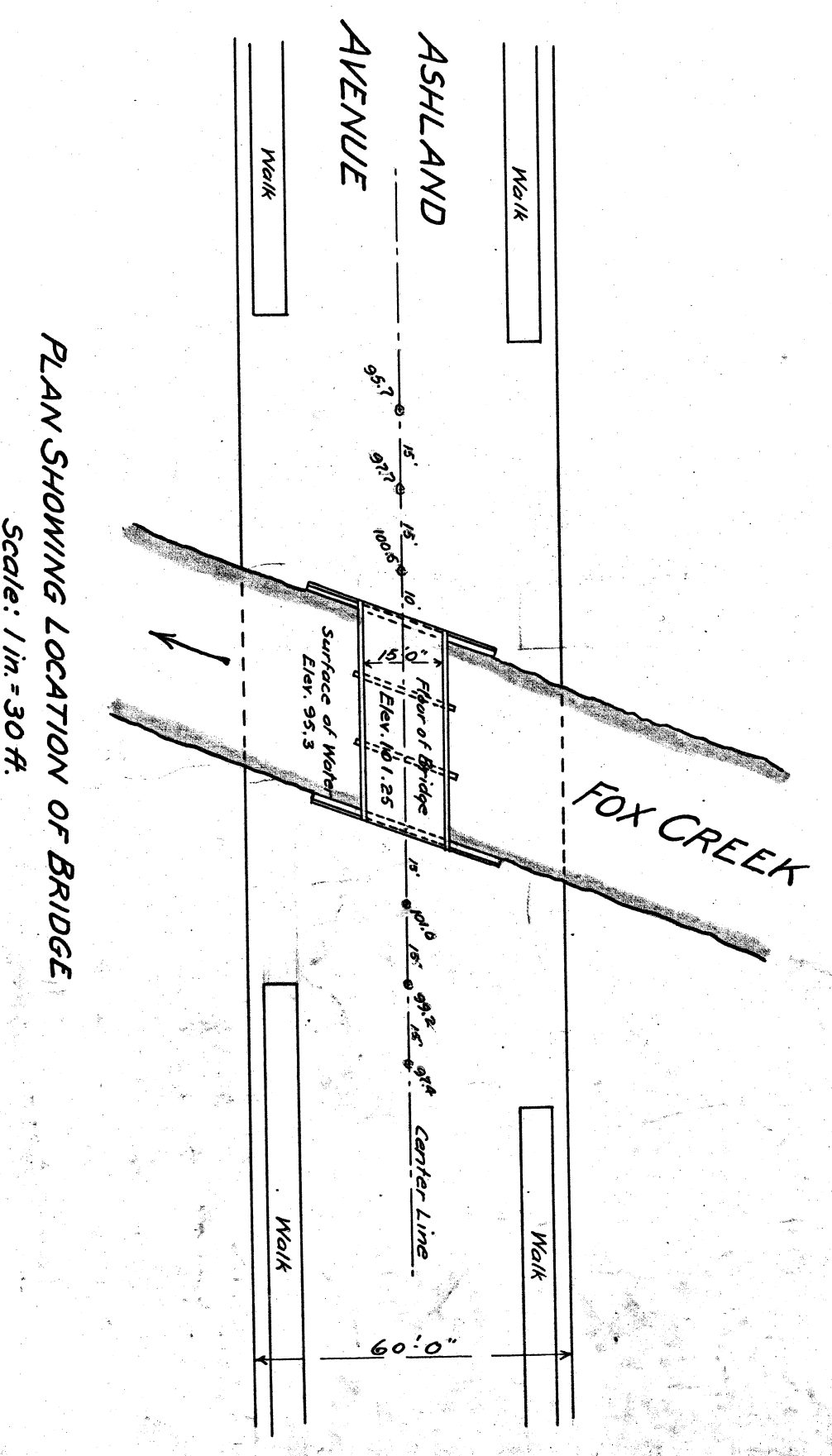


Bill of Timber

Bulkhead	3"x12"	1080	ft.	B.M.
Flooring	3"x12"	1920	"	"
Joists	3"x12"	1512	"	"
Guard	6"x6"	240	"	"
Braces	4"x10"	140	"	"
Caps	10"x10"	660	"	"
Piles	12"	25	ft.	Long
"	"	8	"	"

Bill of Iron

98	lin. ft.	2" Gas Pipe
14	Flanges	
10	Crosses	
1/2	Tees	
4	Angles	
1/2	Drift Bolts 1"x8"x24"	
22	Log Screws 5"x12"	
22	Cut Washers 1 1/2"	
24	N.I. Spike 3"x12"	
56	Wood Screws 3" Long	

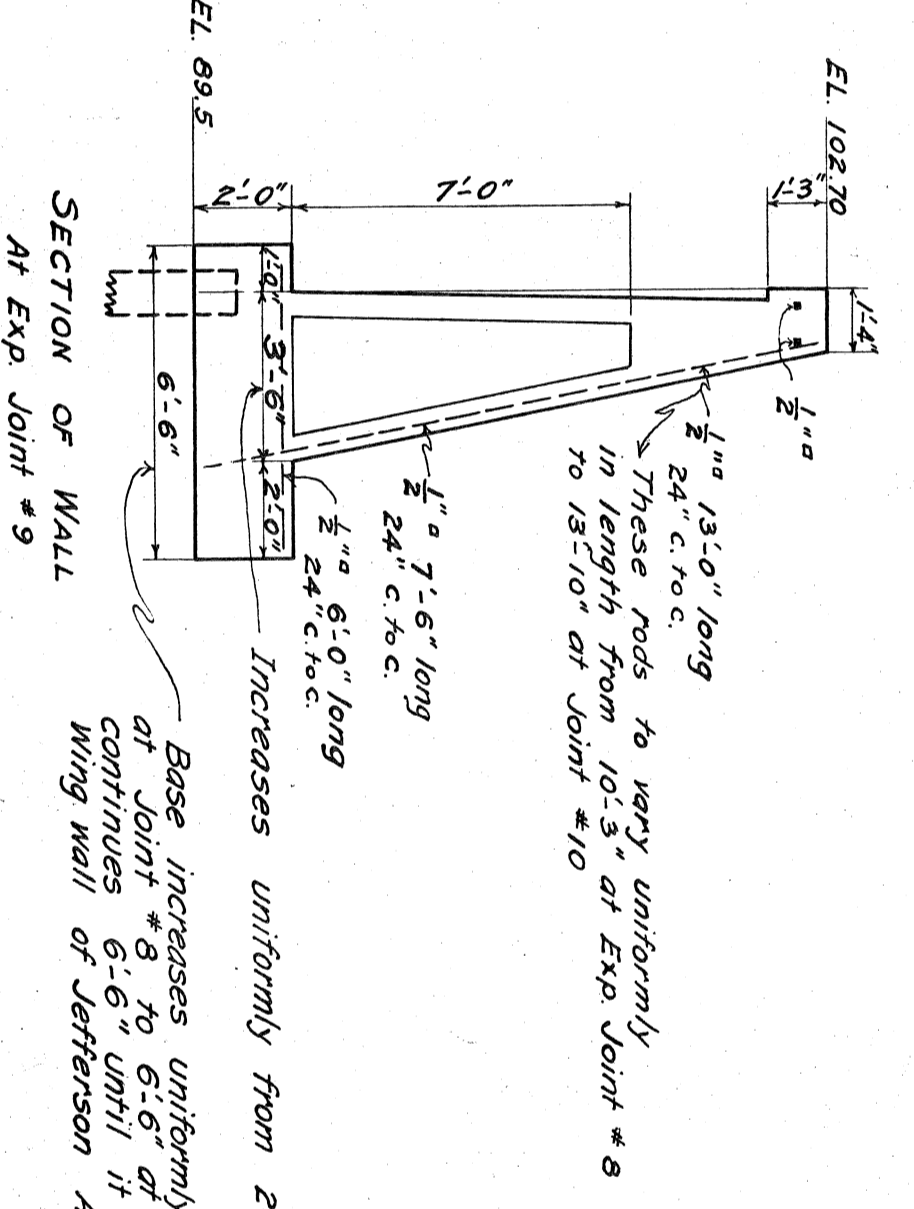
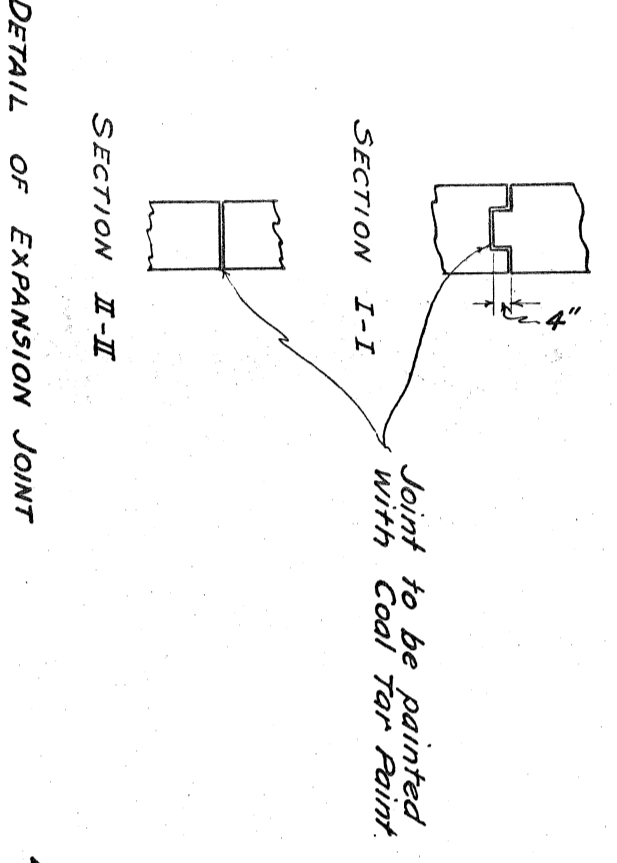
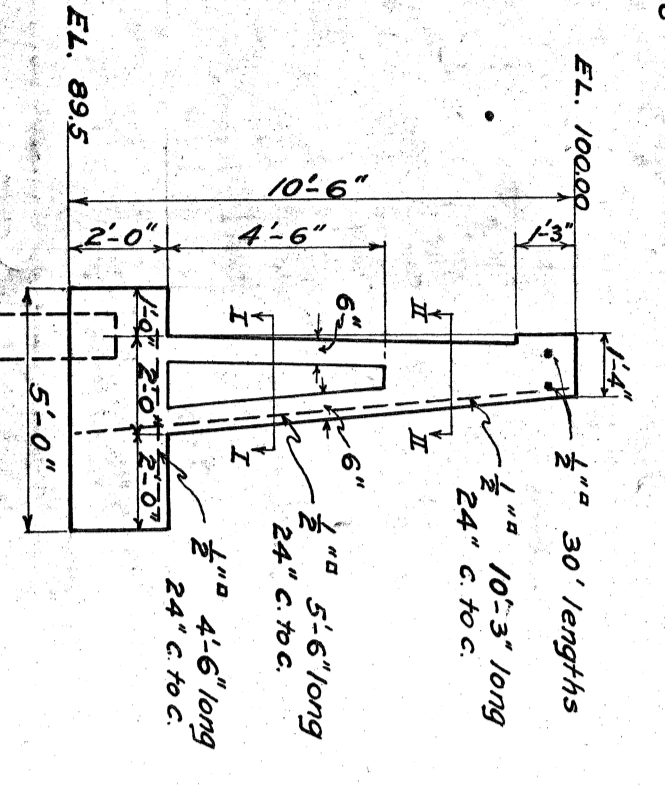
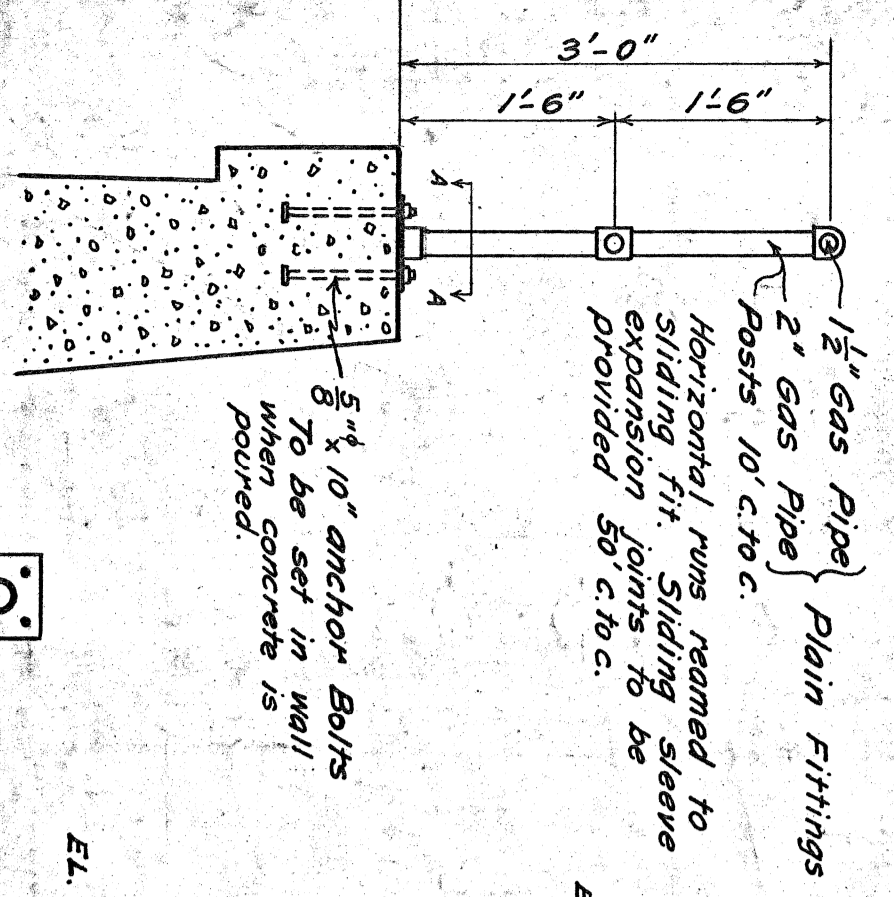
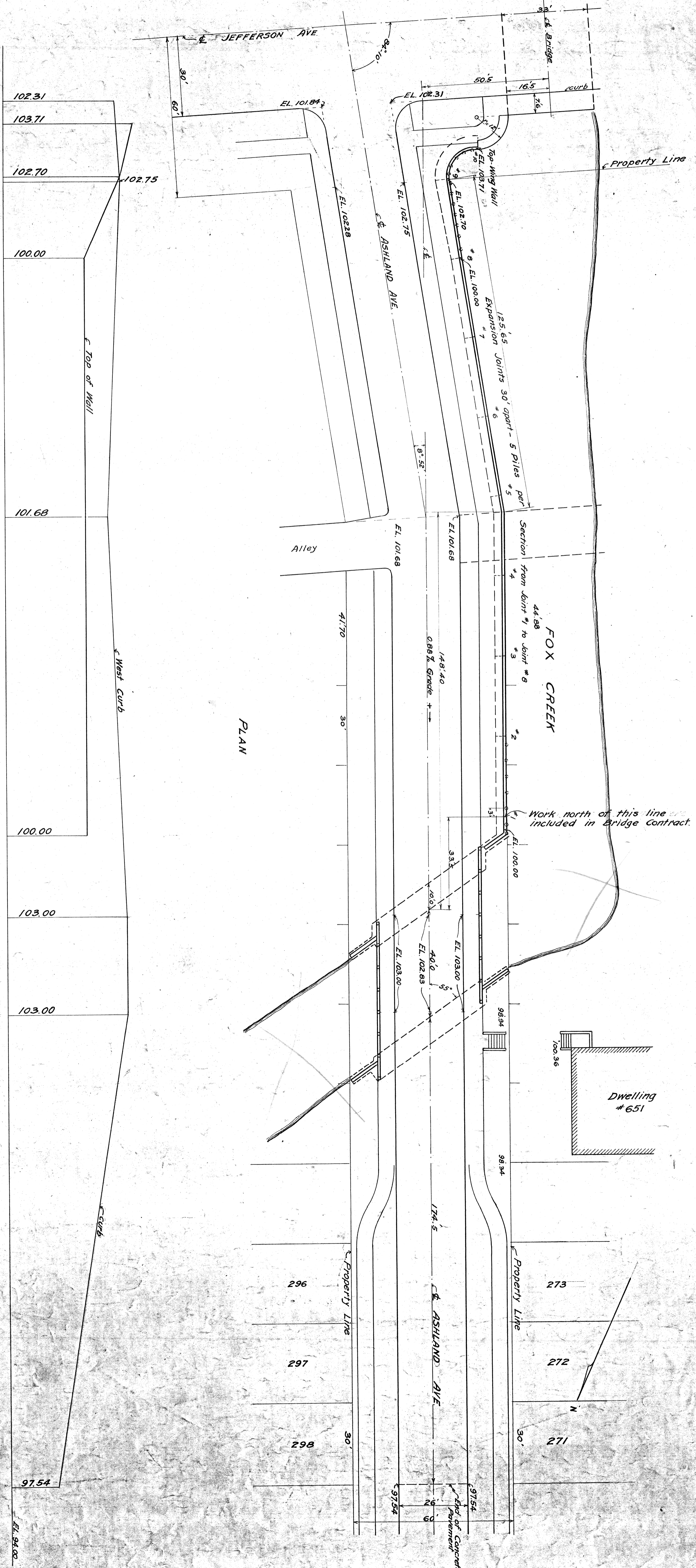


PLAN OF PROPOSED WOODEN BRIDGE 39'-0" LONG OVER FOX CREEK ON ASHLAND AVENUE SOUTH OF JEFFERSON AVE.

Scale 1/4 in. = 1 ft. Except Where Noted
 CITY ENGINEERS' OFFICE
 DETROIT, MICHIGAN
 MAY 29, 1909.

To Jefferson Ave. 400 Ft. →

File BW 1245-1



Hand rail to extend full length of wall.

1 1/2" Gas Pipe Plain Fittings
 Posts 10' c/c.
 Horizontal runs reamed to sliding fit. Sliding sleeves provided at expansion joints to be painted.

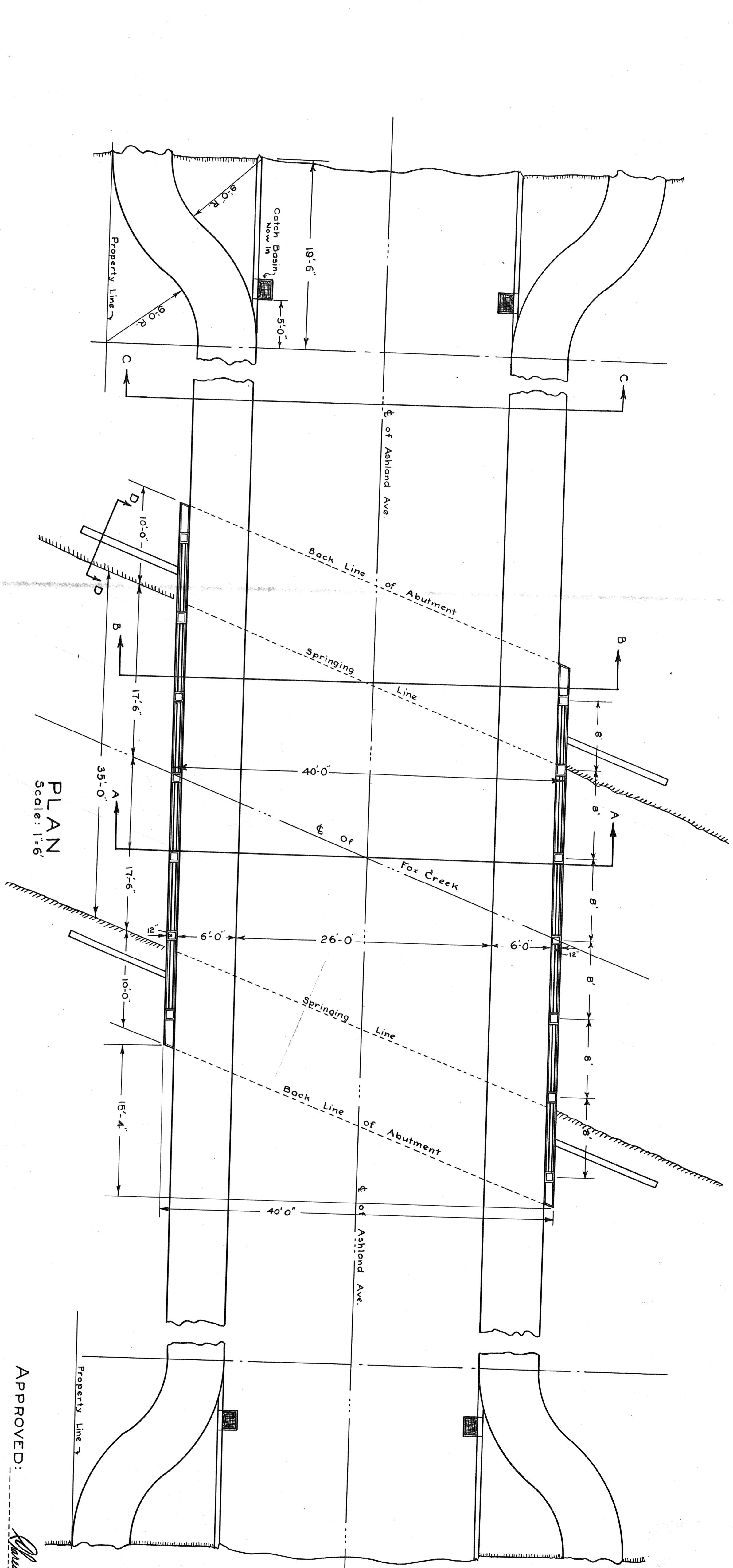
Joint to be painted with Coal Tar Paint.

Note:
 Specifications for Ashland Ave. Bridge, North of Jefferson, to be followed for material and workmanship for Concrete Wall.
 Wall to be poured in alternate sections. Bench Mark: NE Corner Jefferson & Allen Road on top of stone base of stone and brick column El. 102.172 (see grade separation Book #12-P-93)

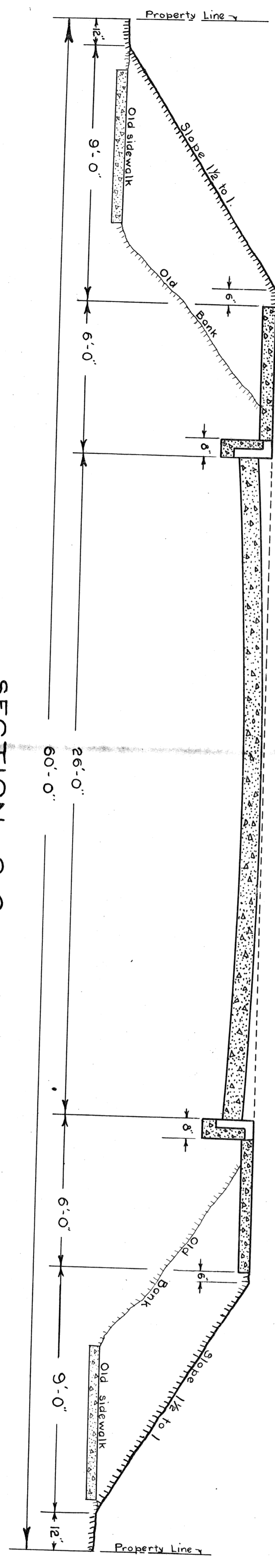
CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 OFFICE OF CITY ENGINEER
 DIVISION OF GRADE SEPARATION AND BRIDGES

RETAINING WALL ALONG FOX CREEK
 ON ASHLAND AVE.
 NORTH OF JEFFERSON AVE.

SCALE: 1" = 20'



PLAN
Scale: 1" = 6'



SECTION C-C
Scale: 1" = 3'

CITY ENGINEERS OFFICE
 DRAWING NO. 245-6
 DATE: 8/21/17
 DRAWN BY: J.S. I-26

APPROVED: *Charles J. ...*
 City Engineer
 APPROVED: *J. ...*
 Asst Engineer

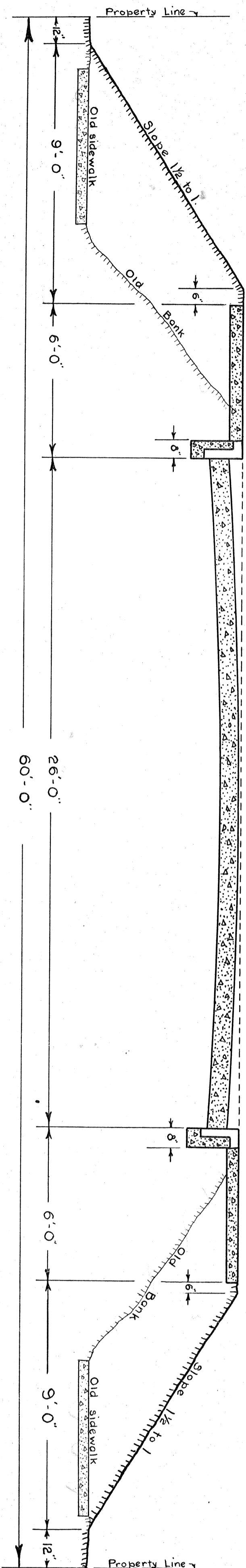
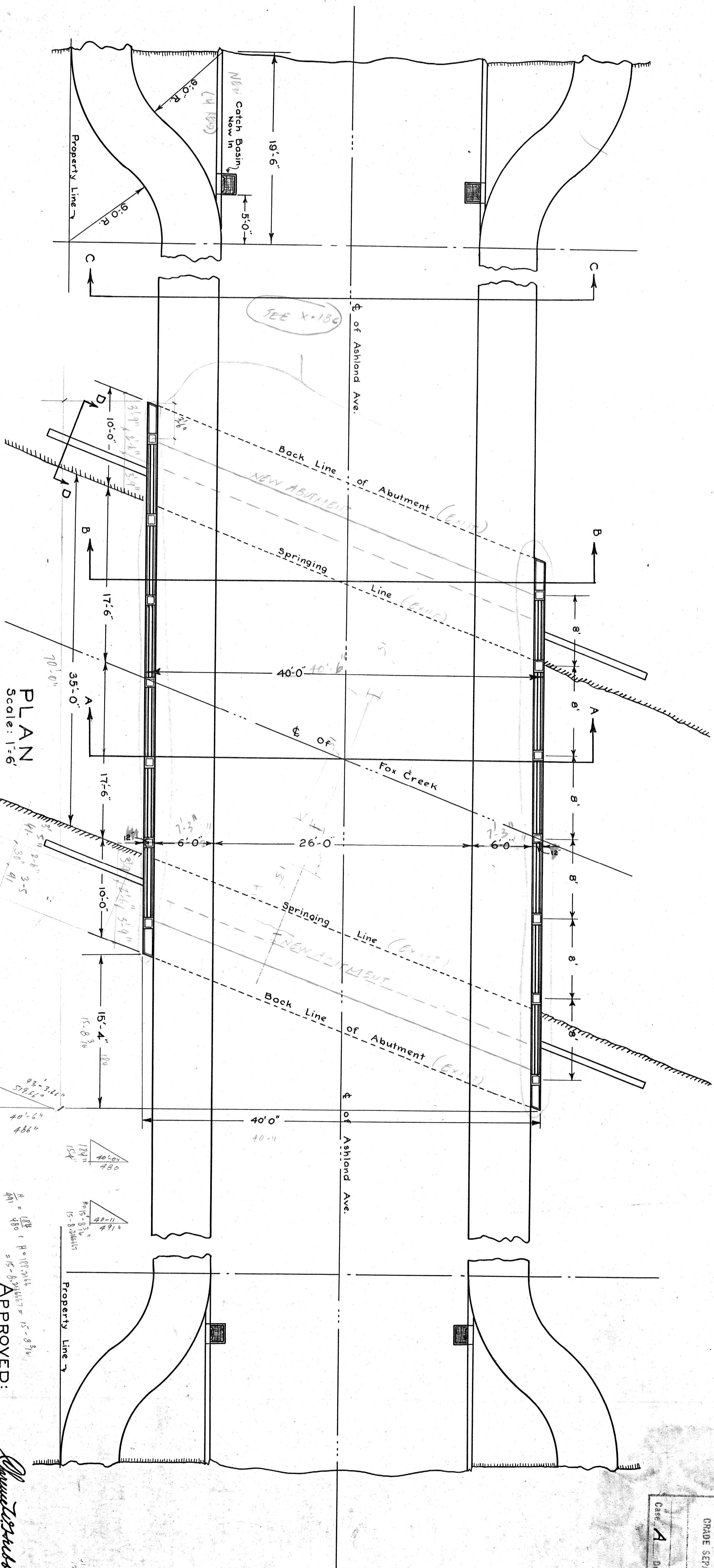
**ASHLAND AVE. BRIDGE
 OVER FOX CREEK
 SOUTH OF EAST JEFFERSON
 CONCRETE ARCH**

CITY OF DETROIT
 CITY ENGINEERS OFFICE
 AUGUST 21, 1917.

Scale: As Shown
 Computed: *J.S.*
 Drawn: *J.S.*
 Checked: *J.S.*
 Traced: *J.S.*
 2/19/19

A-13 II-2
 File BW 245-6

CITY ENGINEER'S OFFICE
GRADE SEPARATORS & BRIDGES
Case A Drawn 13 T-26



APPROVED: *[Signature]*
City Engineer

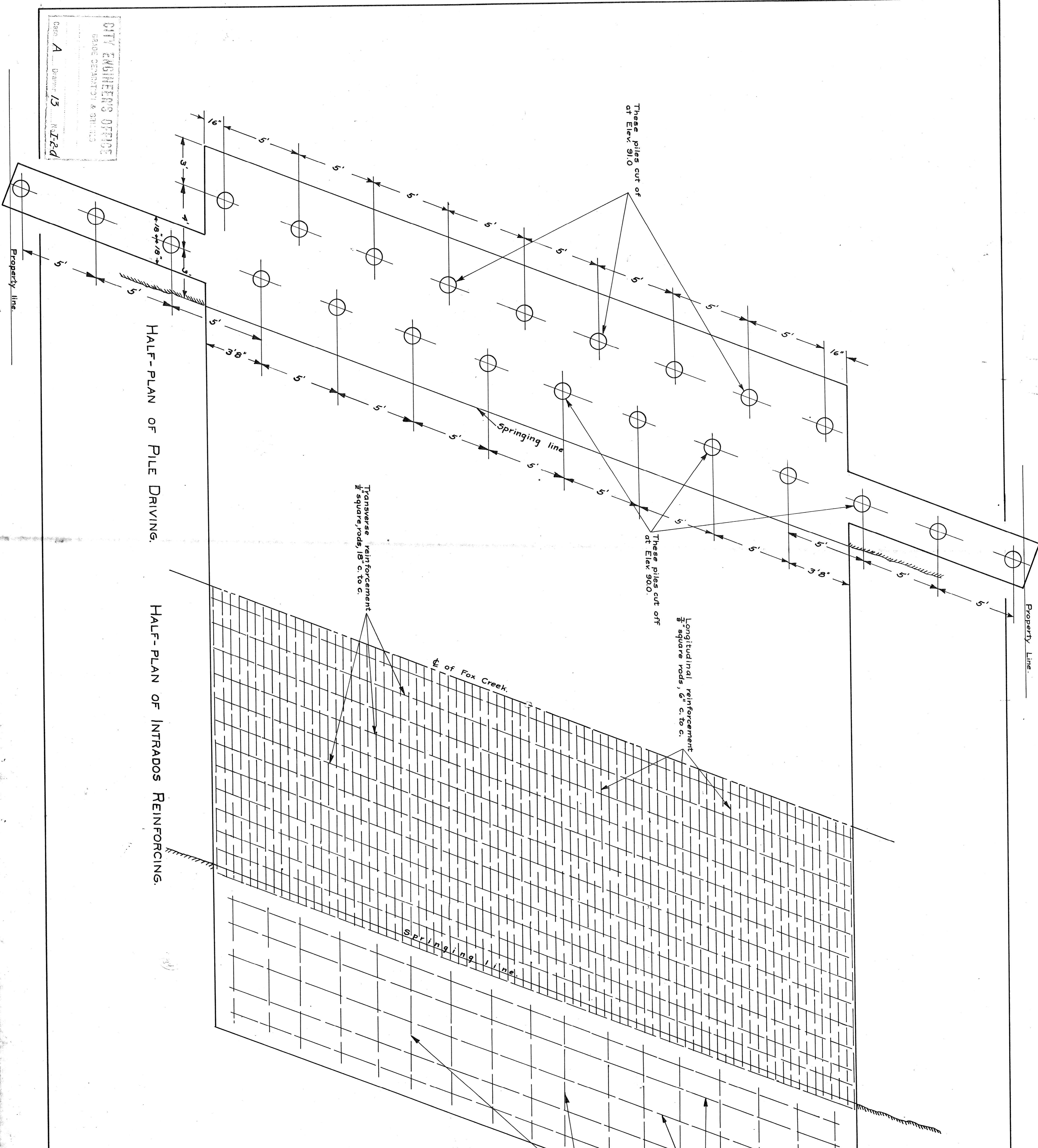
APPROVED: *[Signature]*
Asst. Engineer

**ASHLAND AVE. BRIDGE
OVER FOX CREEK
SOUTH OF EAST JEFFERSON
CONCRETE ARCH**

CITY OF DETROIT
CITY ENGINEERS OFFICE
AUGUST 21, 1917

Scale: As Shown Computed *[Signature]* Drawn *[Signature]* Checked *[Signature]* Traced *[Signature]*

A-13 II-2
File BW 245-6



HALF-PLAN OF PILE DRIVING.

HALF-PLAN OF INTRADOS REINFORCING.

CITY ENGINEERS OFFICE
 GRADE, CONSTRUCTION & SURVEYING
 Case: A Drawn: 13 N. I. 244

ASHLAND AVE. BRIDGE
 OVER FOX CREEK
 SOUTH OF EAST JEFFERSON
 CONCRETE ARCH

APPROVED: *Donald W. Skidell*
 City Engineer

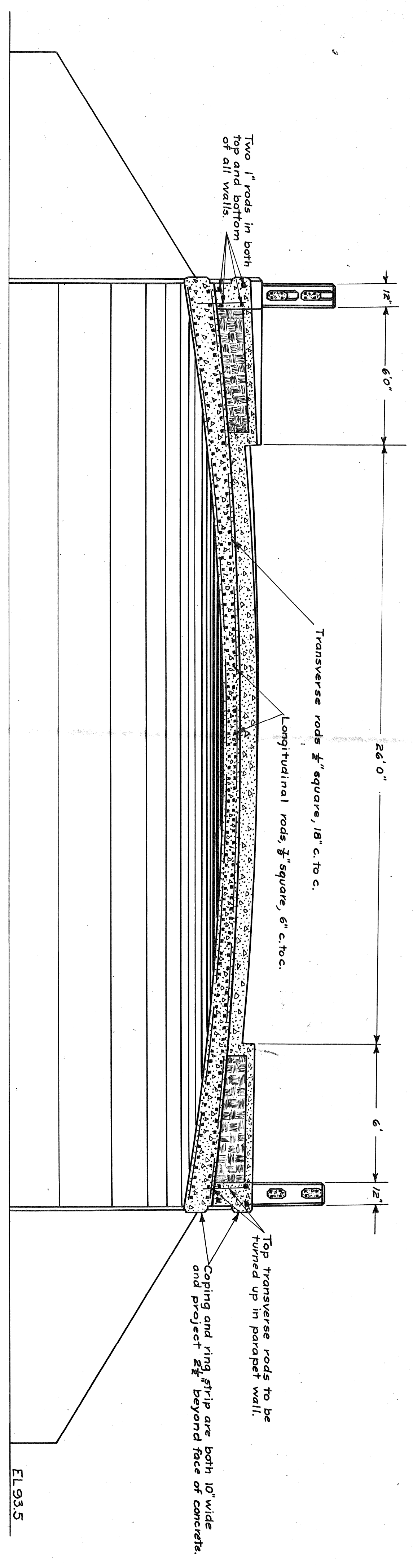
APPROVED: *W. W. ...*
 Asst. Engineer

CITY OF DETROIT
 CITY ENGINEERS OFFICE
 AUGUST 21, 1917

Scale: 3/4" = 1' Computed by *...* Drawn by *...* Checked by *...* Traced by *...*

2/9/194

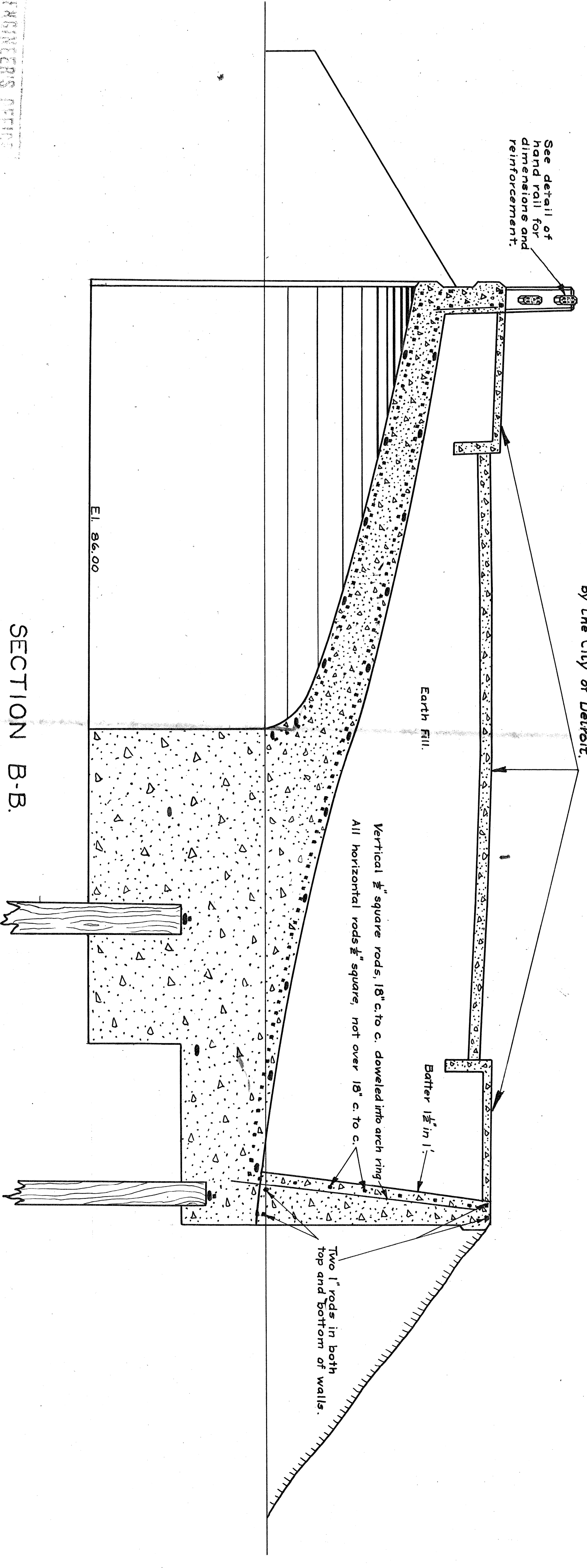
A-13 II-4
 File BW 245-8



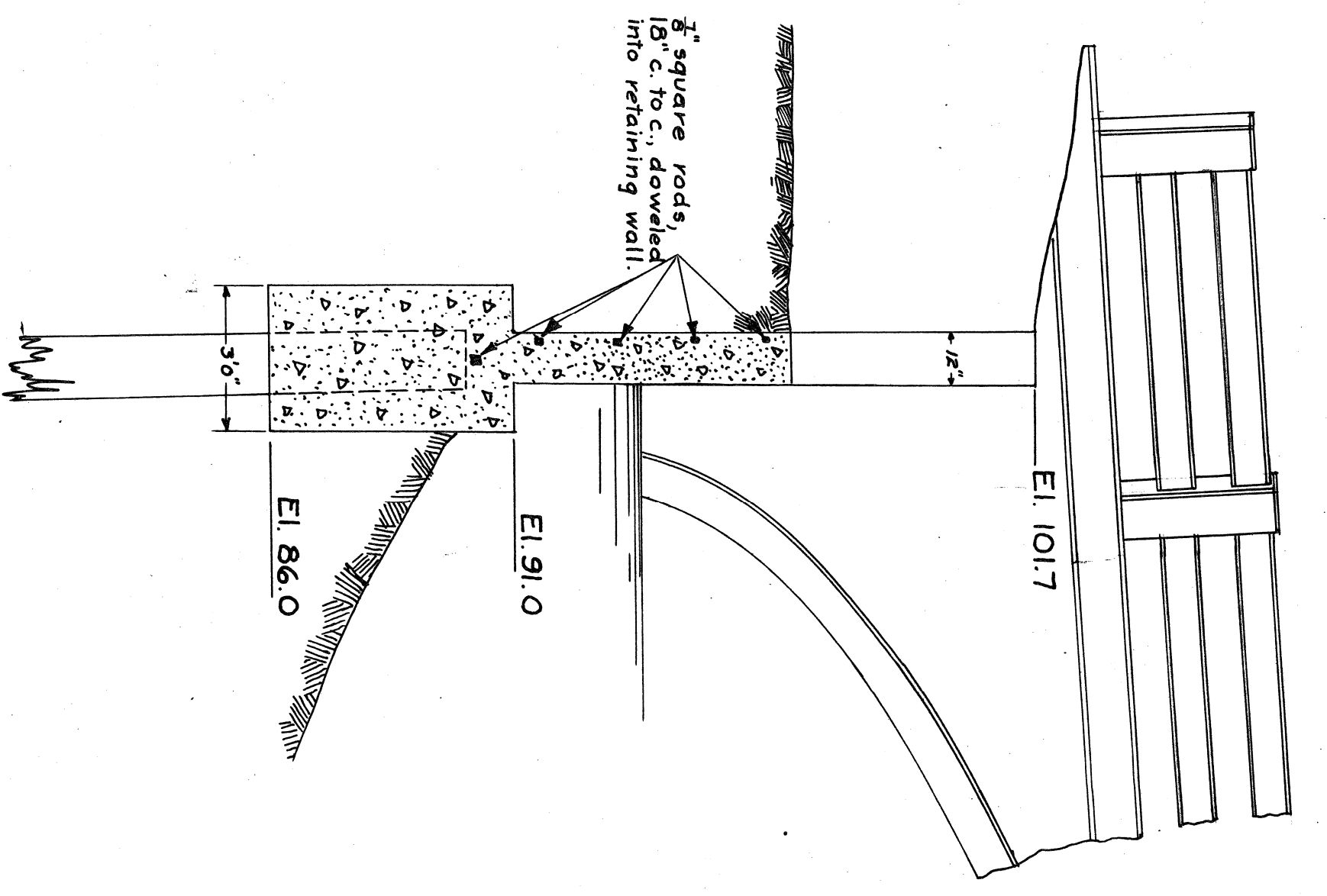
SECTION A-A.

See detail of hand rail for dimensions and reinforcement.

Note: Pavement and sidewalk to be built by the City of Detroit.



SECTION B-B.



SECTION D-D.

CITY ENGINEERS OFFICE
 GEORGE SEARSON & BROTHERS
 Case A
 Division 13
 I-2-c

ASHLAND AVE. BRIDGE
 OVER FOX CREEK
 SOUTH OF EAST JEFFERSON
 CONCRETE ARCH

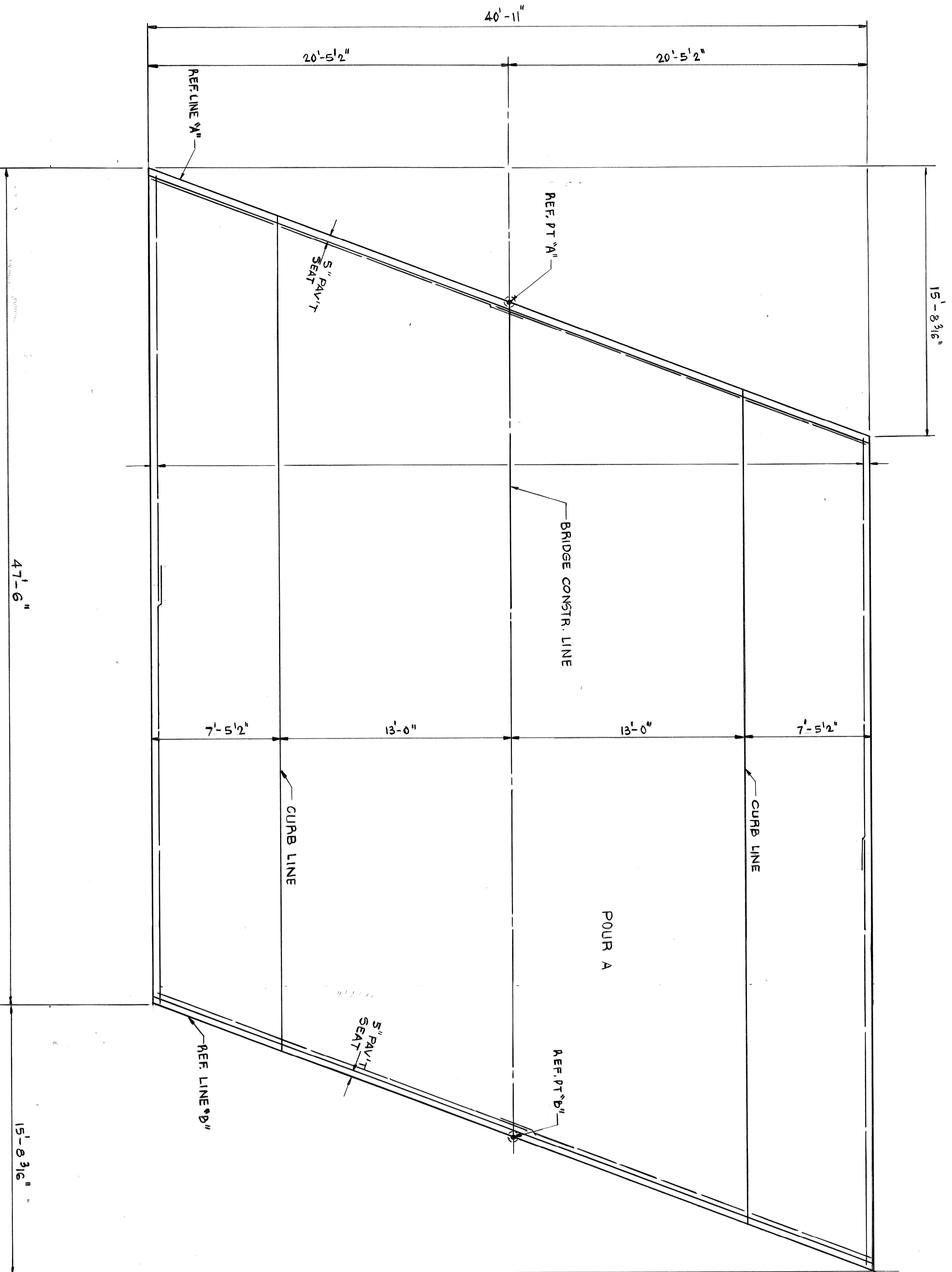
APPROVED: *Charles T. Mitchell*
 City Engineer

APPROVED: *W. H. ...*
 Asst. Engineer

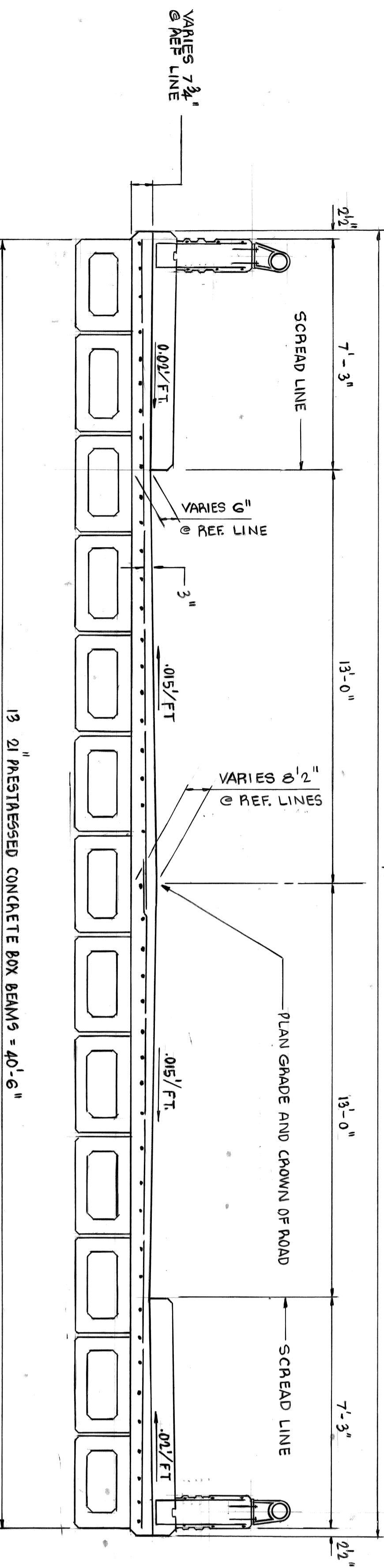
CITY OF DETROIT
 CITY ENGINEERS OFFICE
 AUGUST 21, 1917.

Scale: 3"=1' Computed: *MB* Drawn: *MeL* Checked: *MB* Traced: *MB*
 2/9/194

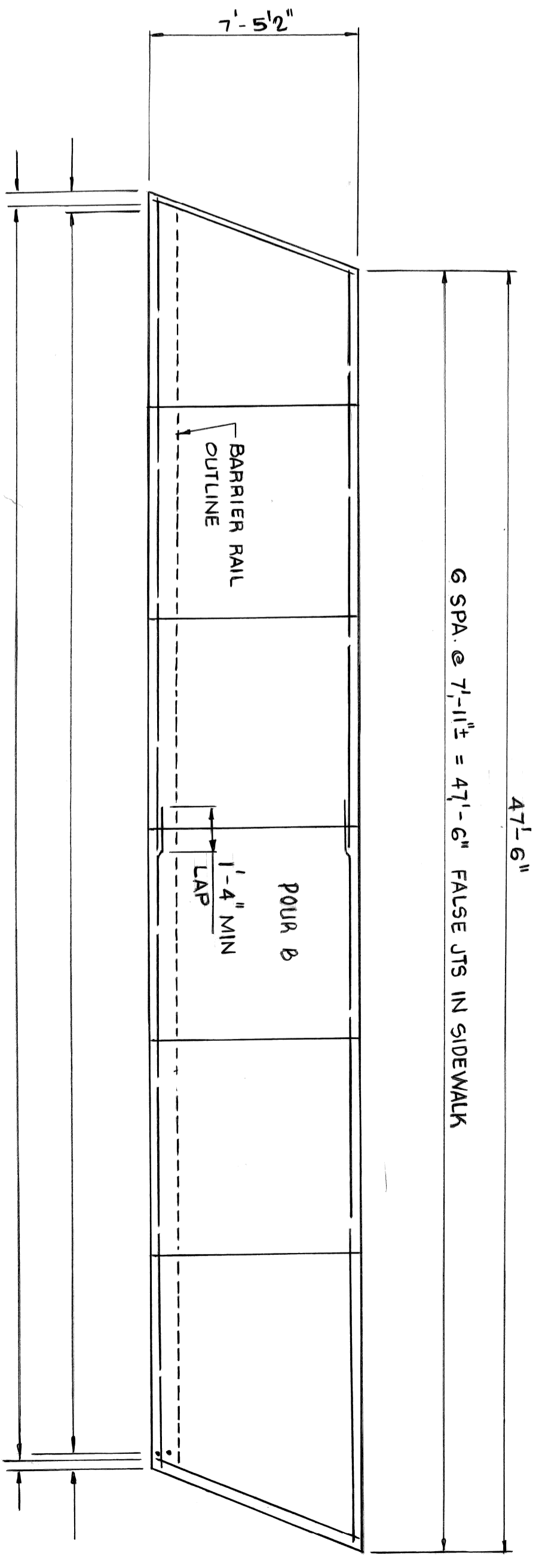
A-13 II-3
 File BW 245-7



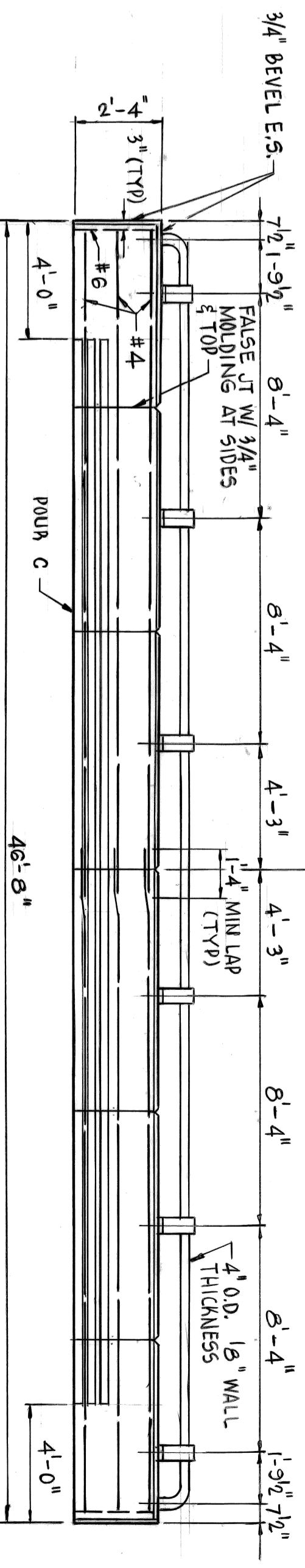
PLAN OF SLAB
1/4" = 1'-0"



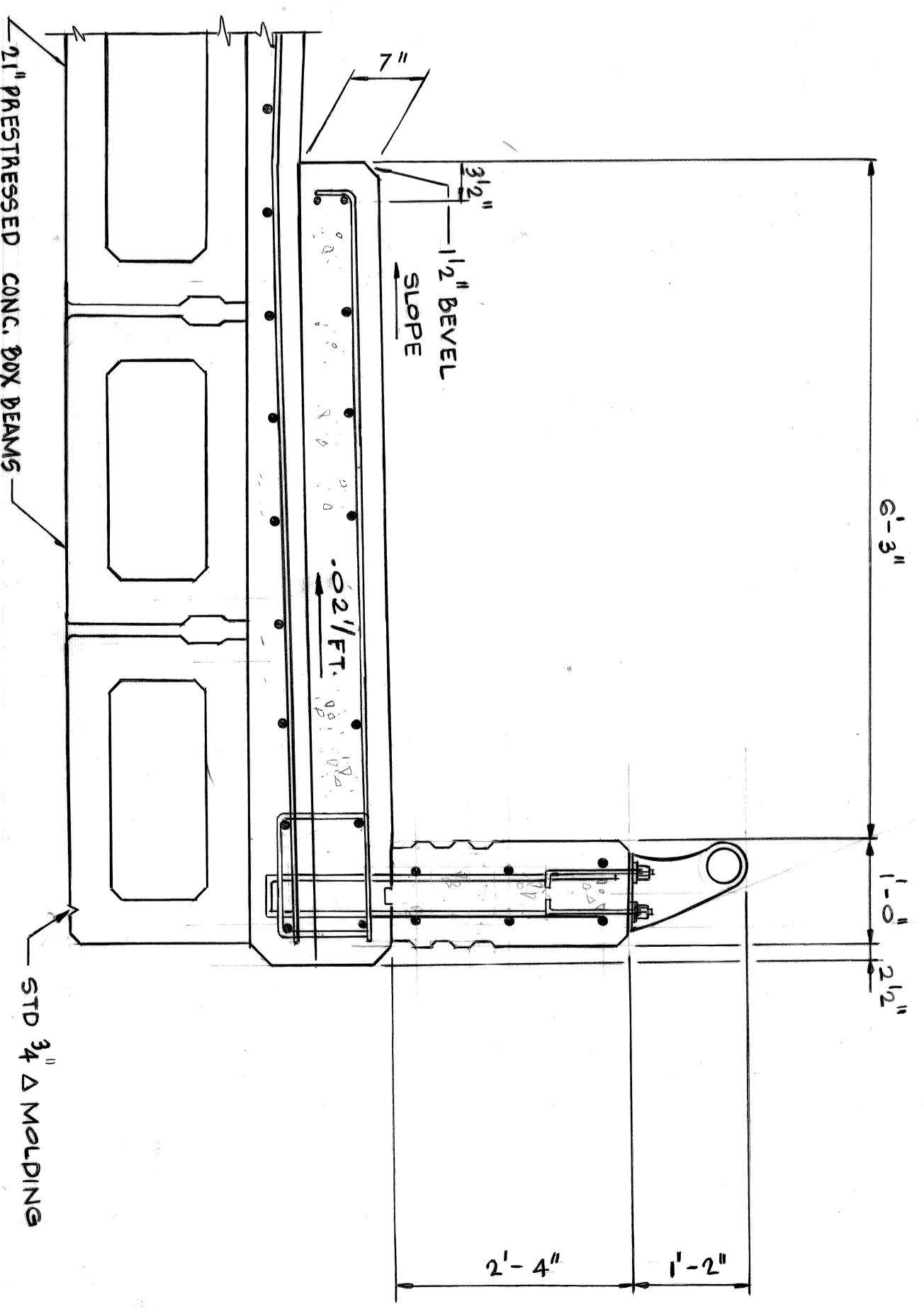
TYPICAL DECK SECTION
3/8" = 1'-0"



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



BARRIER RAILING ELEVATION
1/4" = 1'-0"



TYP SIDEWALK SECTION
3/4" = 1'-0"

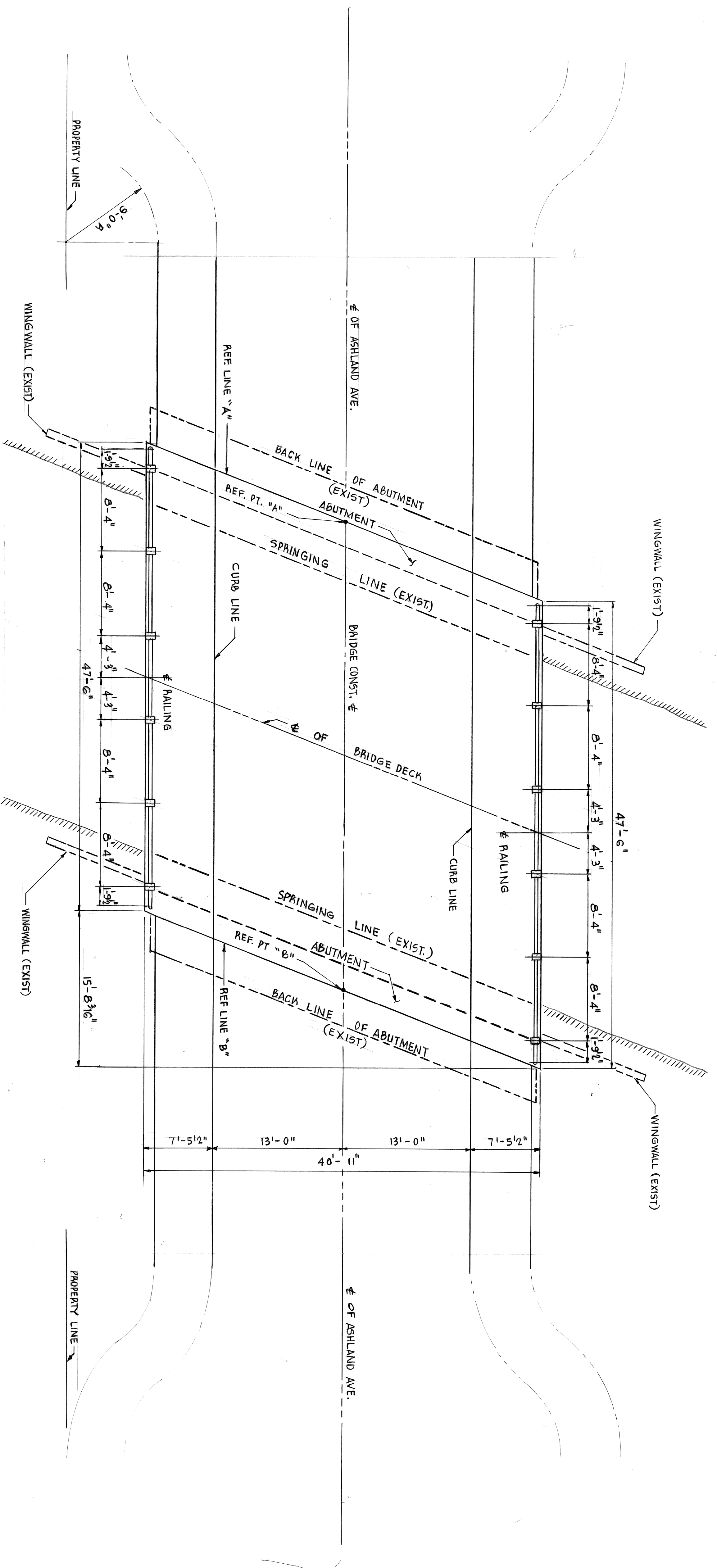
NO.	DATE	BY	CHK'D	AP'VD	DATE

designed by: R.F.
 drawn by: R.F.
 checked by: R.F.
 approved:

CITY OF DETROIT
 city engineering department
 for

PROJECT **CITY OF DETROIT ASHLAND BRIDGE RECONSTRUCTION**

a.o. contract no. sheet of drawing no. date 12-17-93



PLAN
1"=61'

GENERAL NOTES:

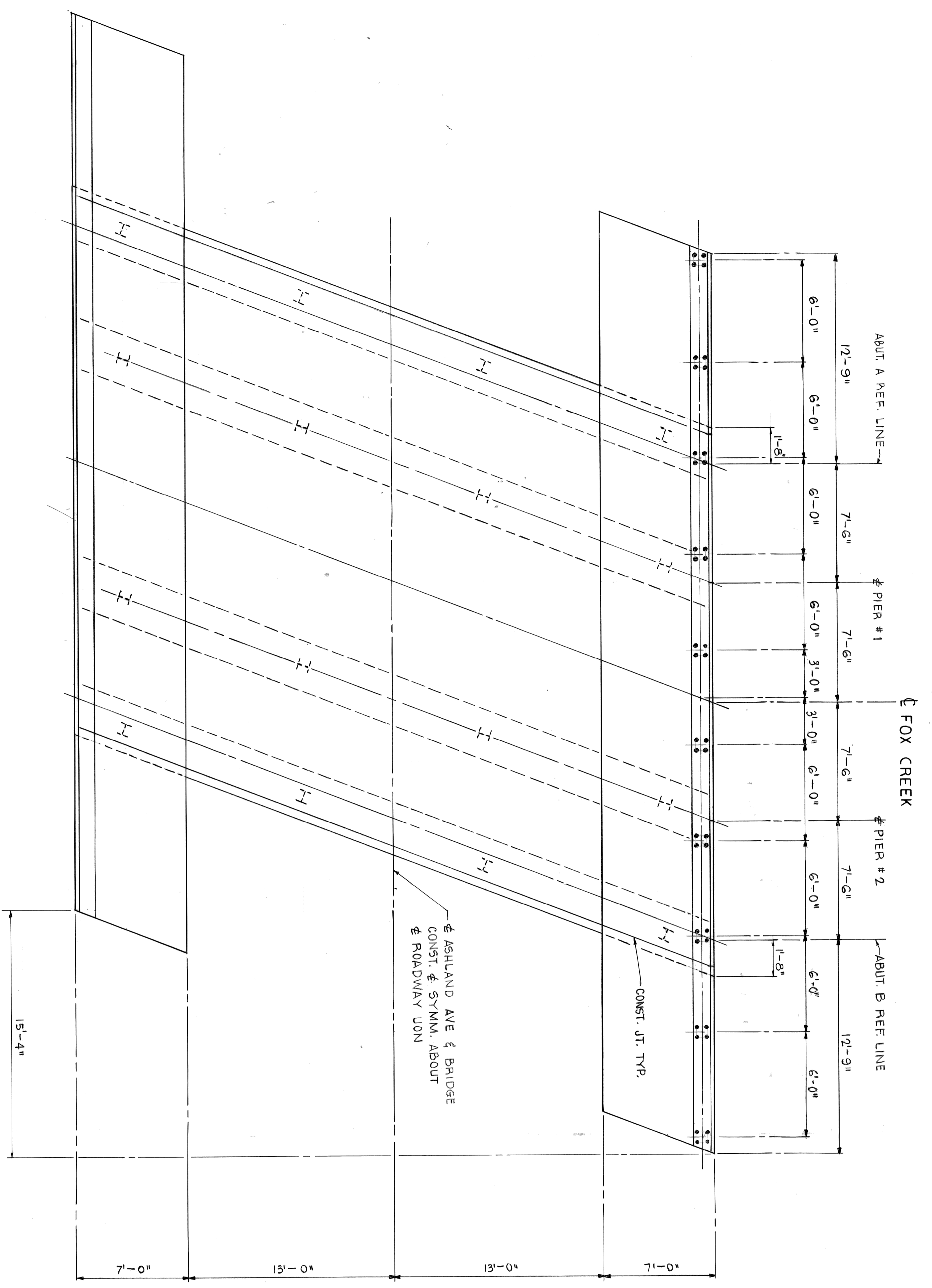
1. THE DESIGN OF THIS STRUCTURE IS BASED ON CURRENT AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, HS-20 LOADING.
2. EXCEPT WHERE OTHERWISE INDICATED ON THESE STRUCTURE SHEETS OR IN THE PROPOSAL AND SUPPLEMENTAL SPECIFICATIONS CONTAINED HEREIN, ALL MATERIALS AND WORKMANSHIP FOR THE BRIDGE SHALL BE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD

no.	description	dr'n	ck'd	ap'vd	date

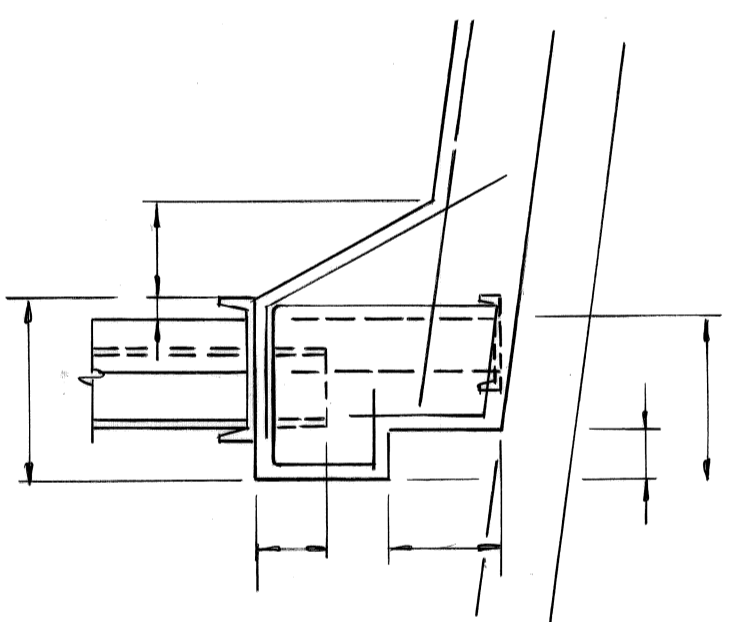
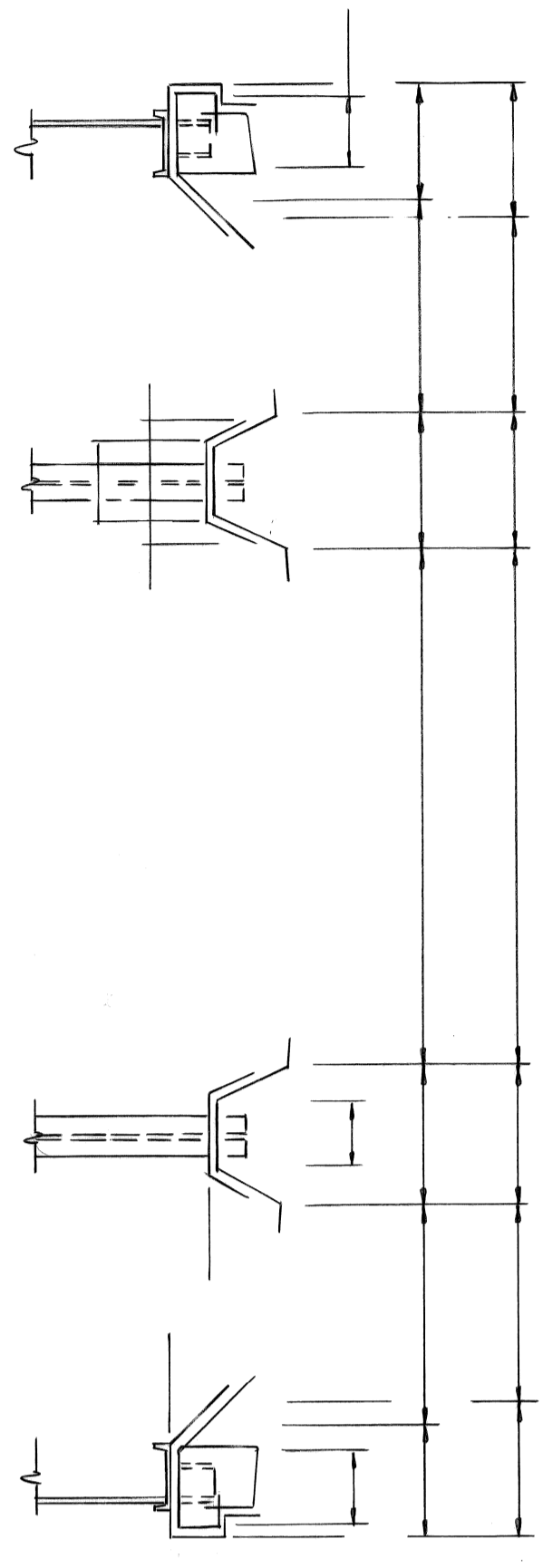
designed by _____
 drawn by _____
 checked by _____
 approved by _____

CITY OF DETROIT
 city engineering department
 for _____

a.o. _____
 contract no. _____
 sheet _____ of _____
 drawing no. _____
 date _____



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

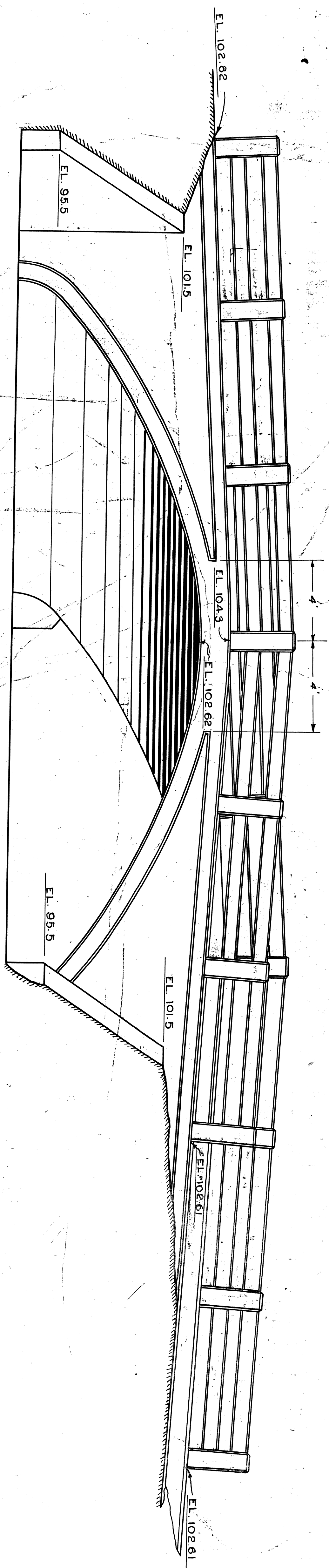


no.	description	dr'n	ck'd	ap'vd	date

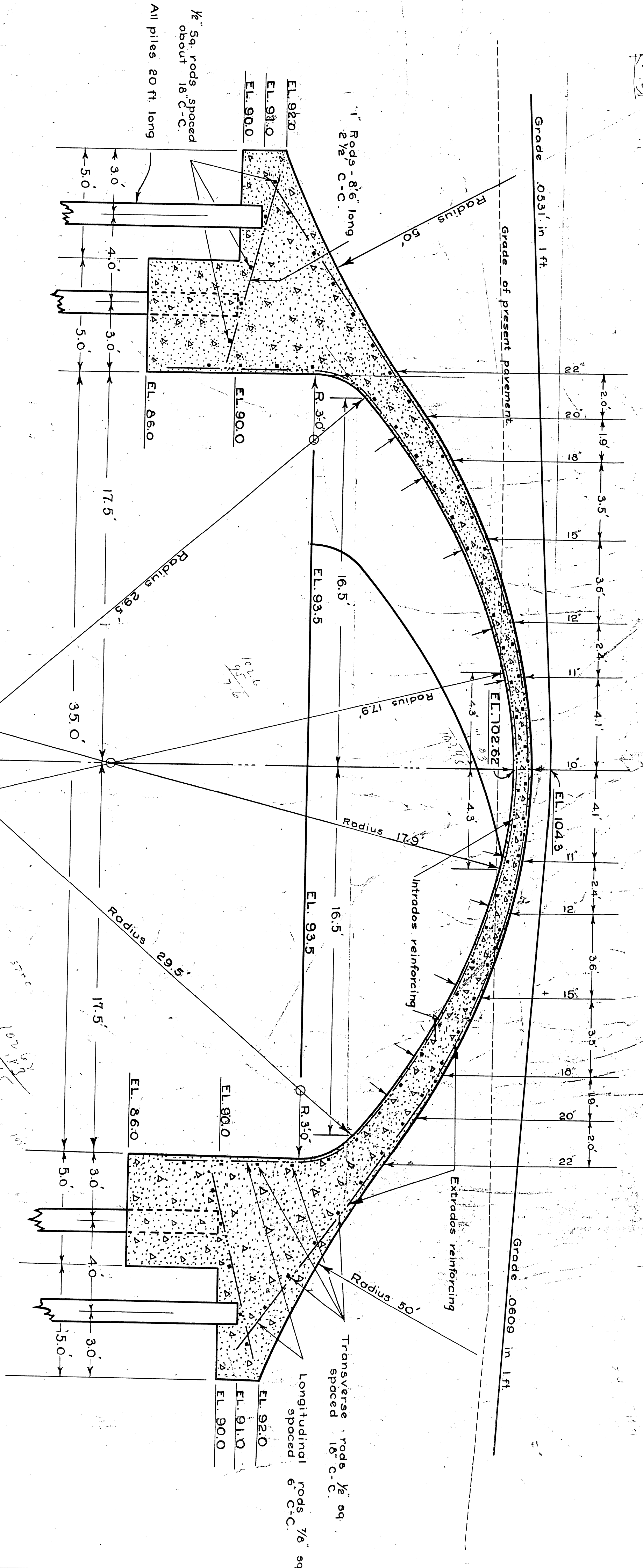
designed by _____
 drawn by _____
 checked by _____
 approved: _____

CITY OF DETROIT
 city engineering department
 for _____

a.o. _____
 contract no. _____
 sheet _____ of _____
 drawing no. _____
 date _____



ELEVATION



LONGITUDINAL

SECTION

Note: All pavements, sidewalks and such portion of fill as is not obtained from excavations made in course of bridge construction, will be made by the City of Detroit.

APPROVED: *Charles T. McCall*
City Engineer

APPROVED: *W. H. ...*
Asst Engineer

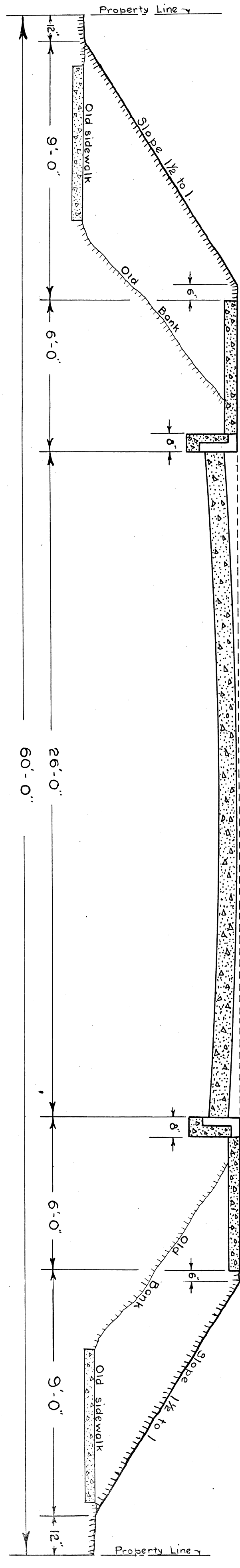
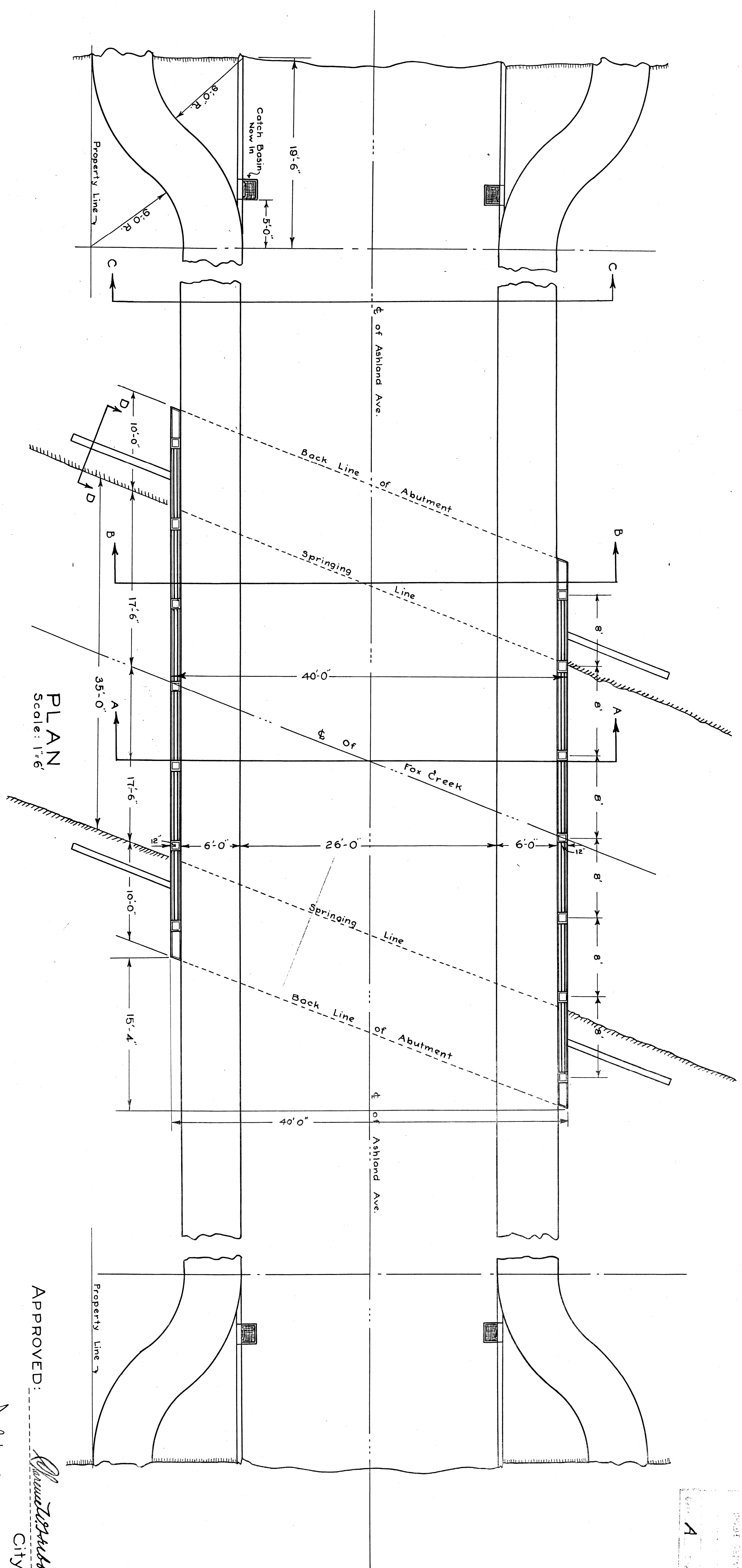
**ASHLAND AVE. BRIDGE
OVER FOX CREEK
SOUTH OF EAST JEFFERSON
CONCRETE ARCH**

CITY OF DETROIT
CITY ENGINEERS OFFICE
AUGUST 27, 1917

Scale: 1" = 3' Computed: *[Signature]* Drawn: *[Signature]* Checked: *[Signature]* Traced: *[Signature]*

Note: Each bidder is expected to examine the drawings, to visit location of the work, and to make his own estimates of quantities and difficulties attending the execution of the work, including local conditions and all other contingencies.

CITY ENGINEERS OFFICE
AUGUST 27, 1917



**ASHLAND AVE. BRIDGE
OVER FOX CREEK
SOUTH OF EAST JEFFERSON
CONCRETE ARCH**

CITY OF DETROIT
CITY ENGINEERS OFFICE
AUGUST 21, 1917.

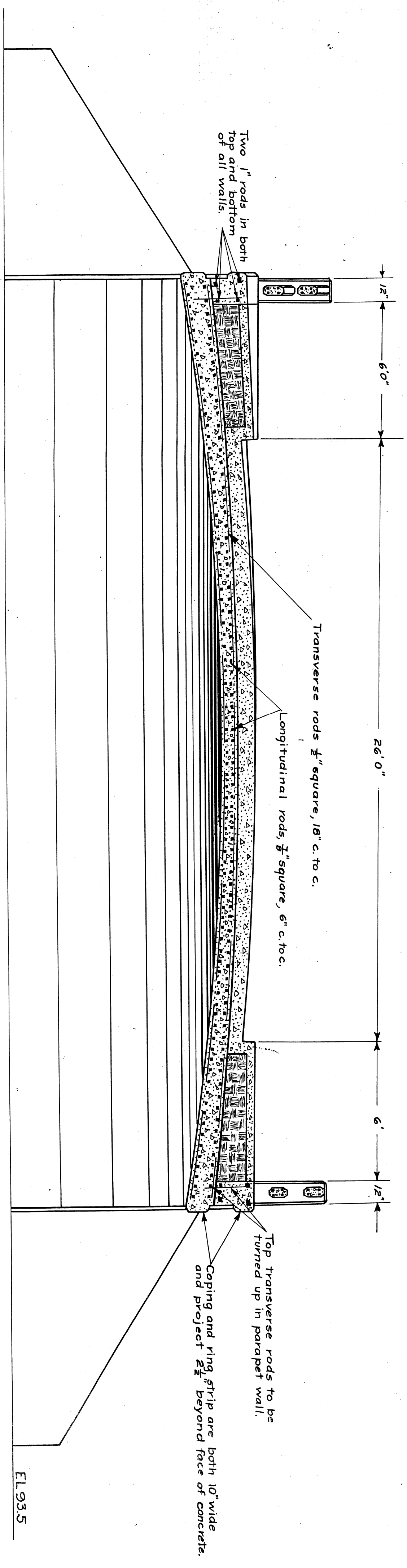
APPROVED: *James W. McMillan*
City Engineer

APPROVED: *W. H. ...*
Asst Engineer

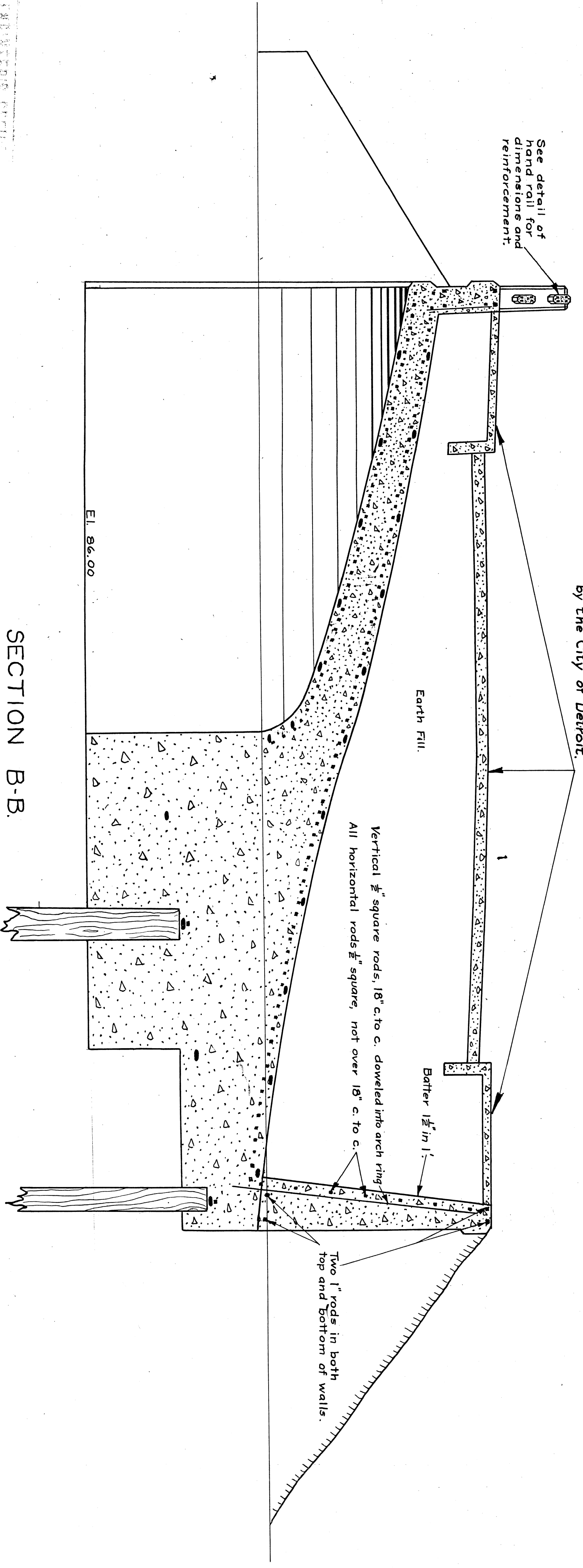
DATE: AUG 21 1917
SCALE: 1" = 6'
FILE NO: 13 I-26

Scale: As shown Computed: *...* Drawn: *...* Checked: *...* Traced: *...*

24-13 211-2
File BW 245-6
245
210

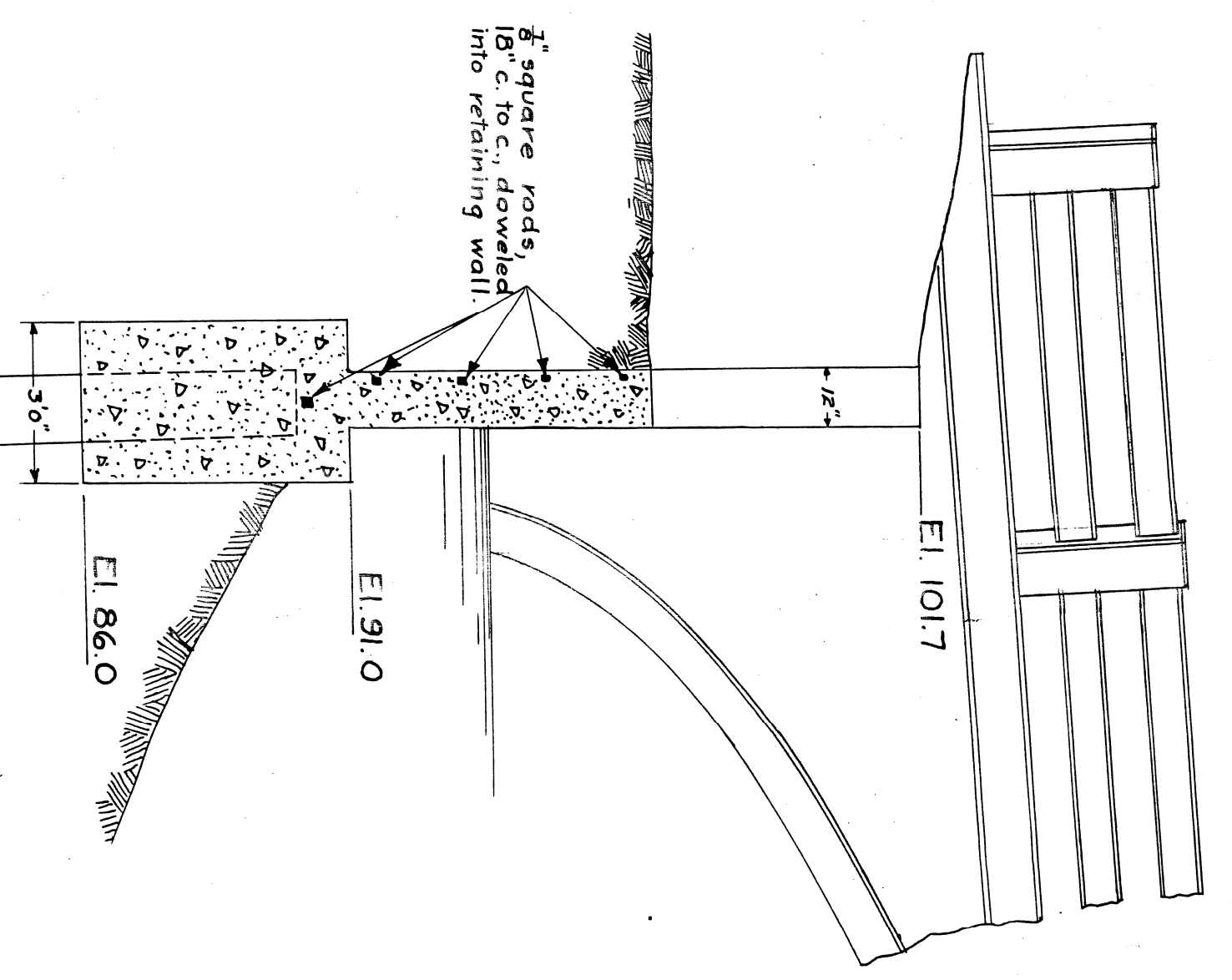


SECTION A-A.



SECTION B-B.

SECTION D-D.



SECTION D-D.

APPROVED: *Charles M. ...*
 City Engineer

APPROVED: *Wm. ...*
 Asst. Engineer

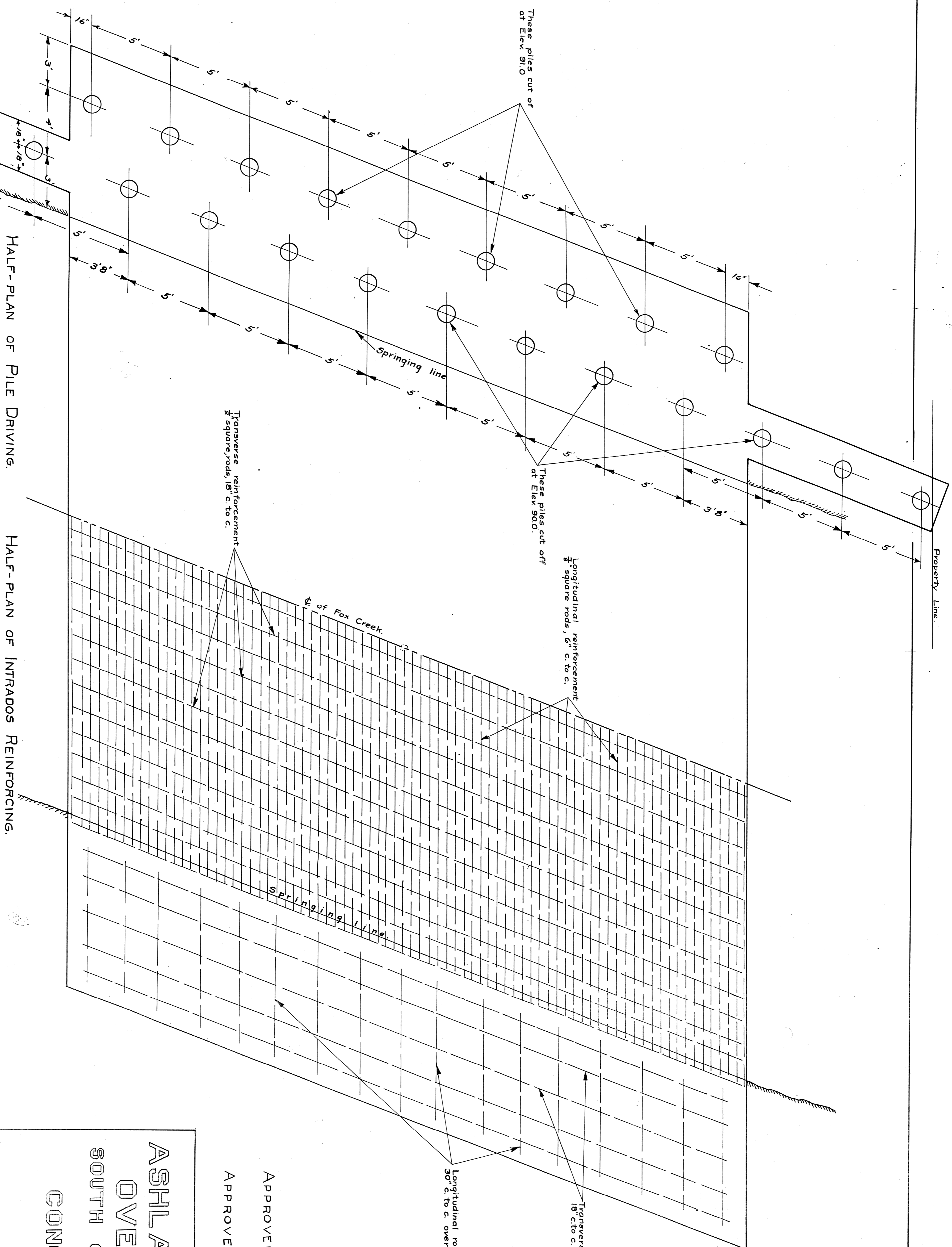
ASHLAND AVE. BRIDGE
 OVER FOX CREEK
 SOUTH OF EAST JEFFERSON
 CONCRETE ARCH

CITY OF DETROIT
 CITY ENGINEERS OFFICE
 AUGUST 21, 1917.

Scale: 3"=1" Computed *W.B.* Drawn *M.E.L.* Checked *M.B.* Traced *M.B.*

A 13 T-2c

7-13 7-5
 File BW 245-7
 DW 245
 4/10



CITY ENGINEERS OFFICE
 ENGINEERING DEPARTMENT
 CASE NO. A
 DRAWING NO. 13
 REVISION

**ASHLAND AVE. BRIDGE
 OVER FOX CREEK
 SOUTH OF EAST JEFFERSON
 CONCRETE ARCH**

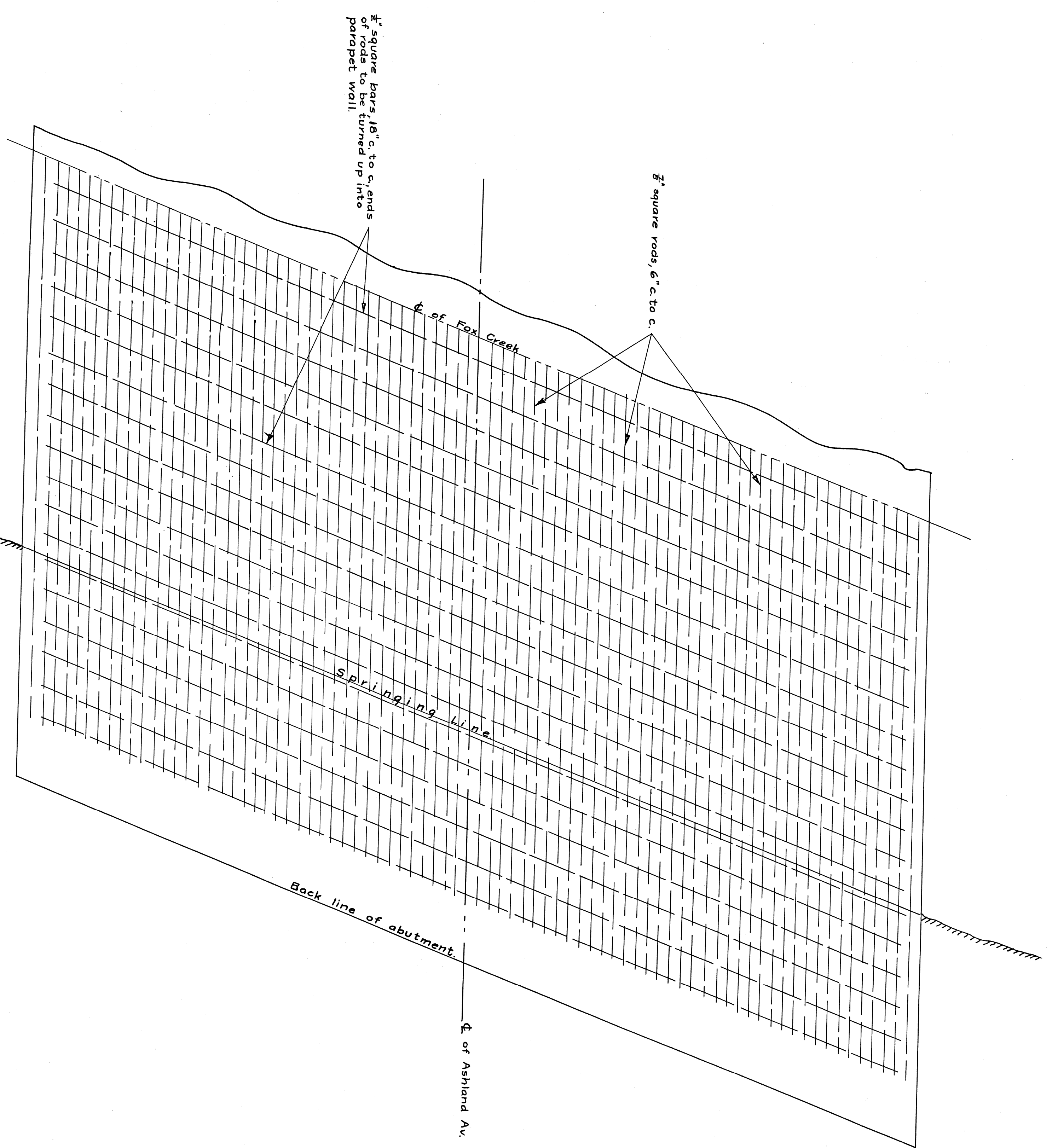
APPROVED: *Charles J. ...*
 City Engineer

APPROVED: *W. ...*
 Asst. Engineer

CITY OF DETROIT
 CITY ENGINEERS OFFICE
 AUGUST 21, 1917

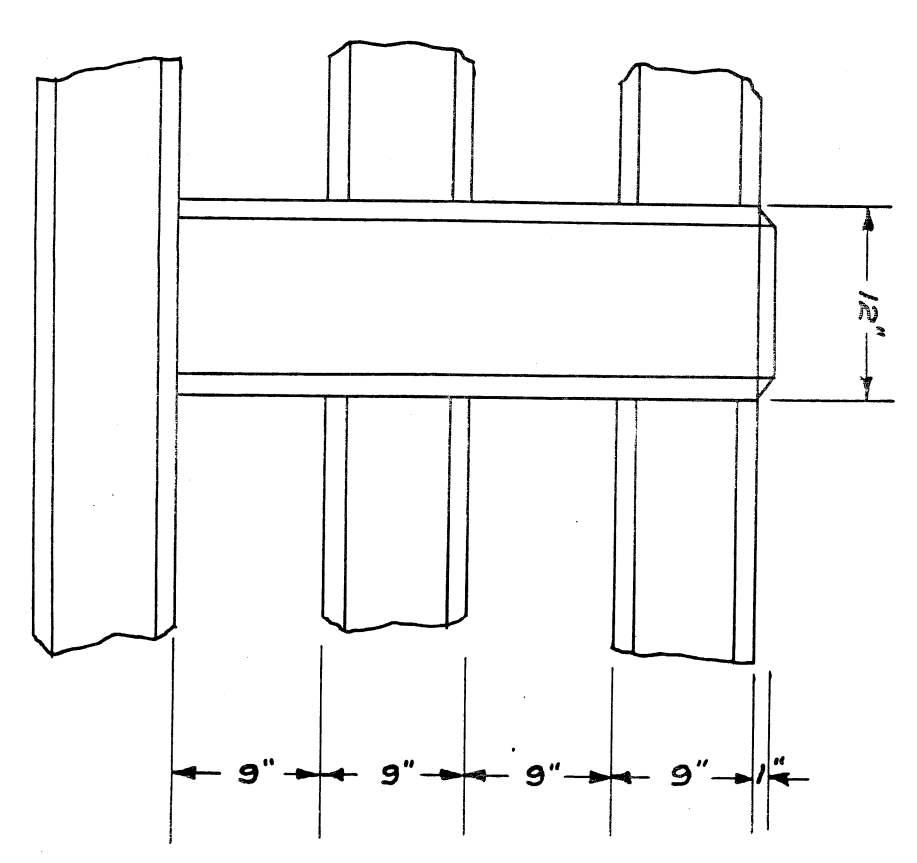
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File BW 245-8

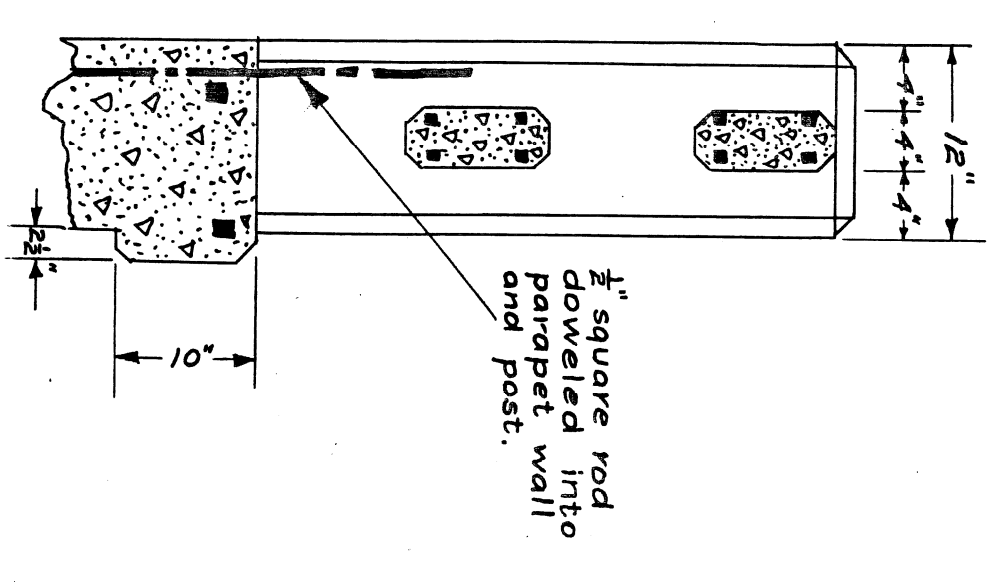


HALF-PLAN OF EXTRADOS REINFORCEMENT.
Scale 3"=1"

CITY ENGINEERS OFFICE
ENGINEERING & SURVEYING
DEPT. A
DIVISION 13
AUG 21 1917



DETAIL OF HAND RAIL
Scale 1"=1'



APPROVED: *Donald B. Stubbins* City Engineer
APPROVED: *Wm. K. ...* Assit Engineer

ASHLAND AVE. BRIDGE
OVER FOX CREEK
SOUTH OF EAST JEFFERSON
CONCRETE ARCH

CITY OF DETROIT
CITY ENGINEERS OFFICE
AUGUST 21, 1917

Scale: As Shown Computed by *ASB* Drawn by *ASB* Checked by *ASB* Traced by *ASB*

A-13 II-5
File BW 245-9