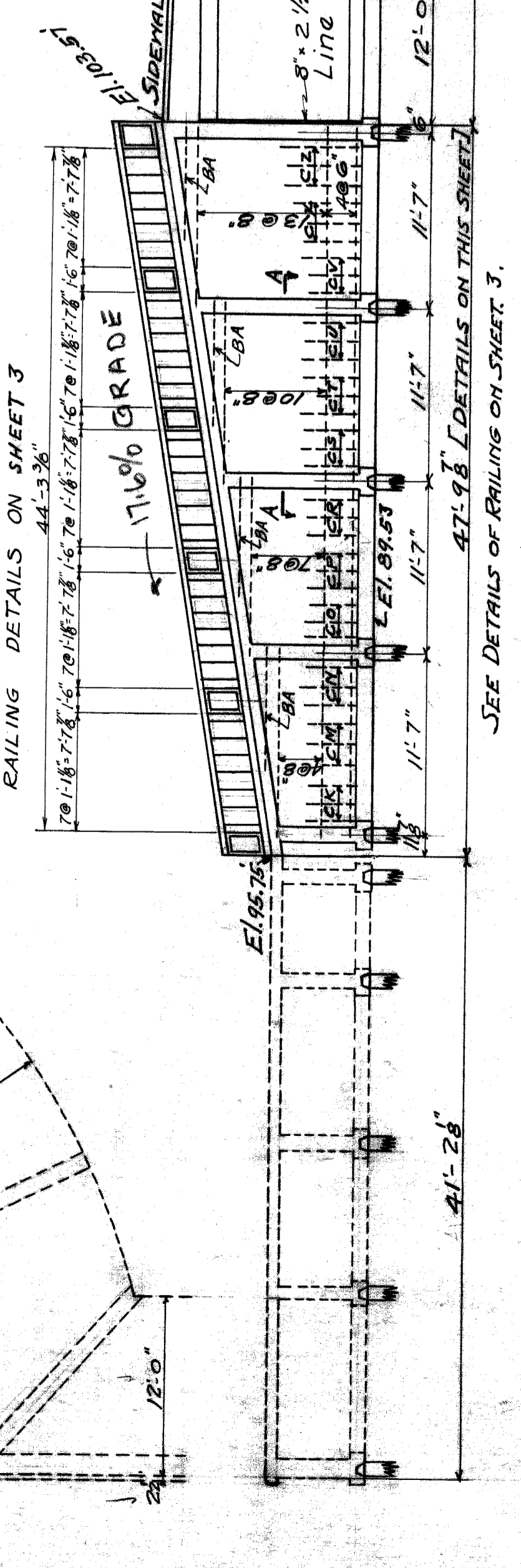
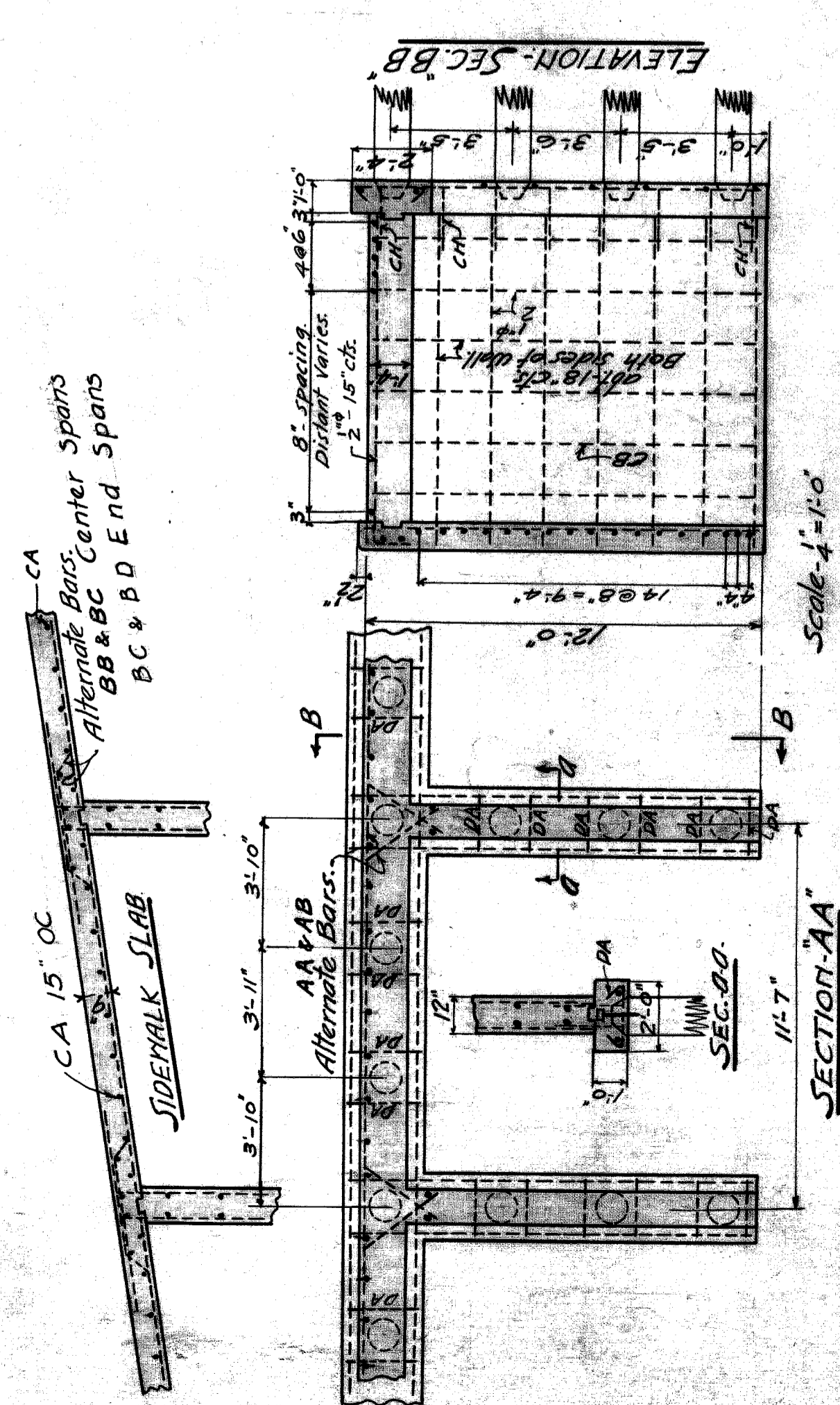


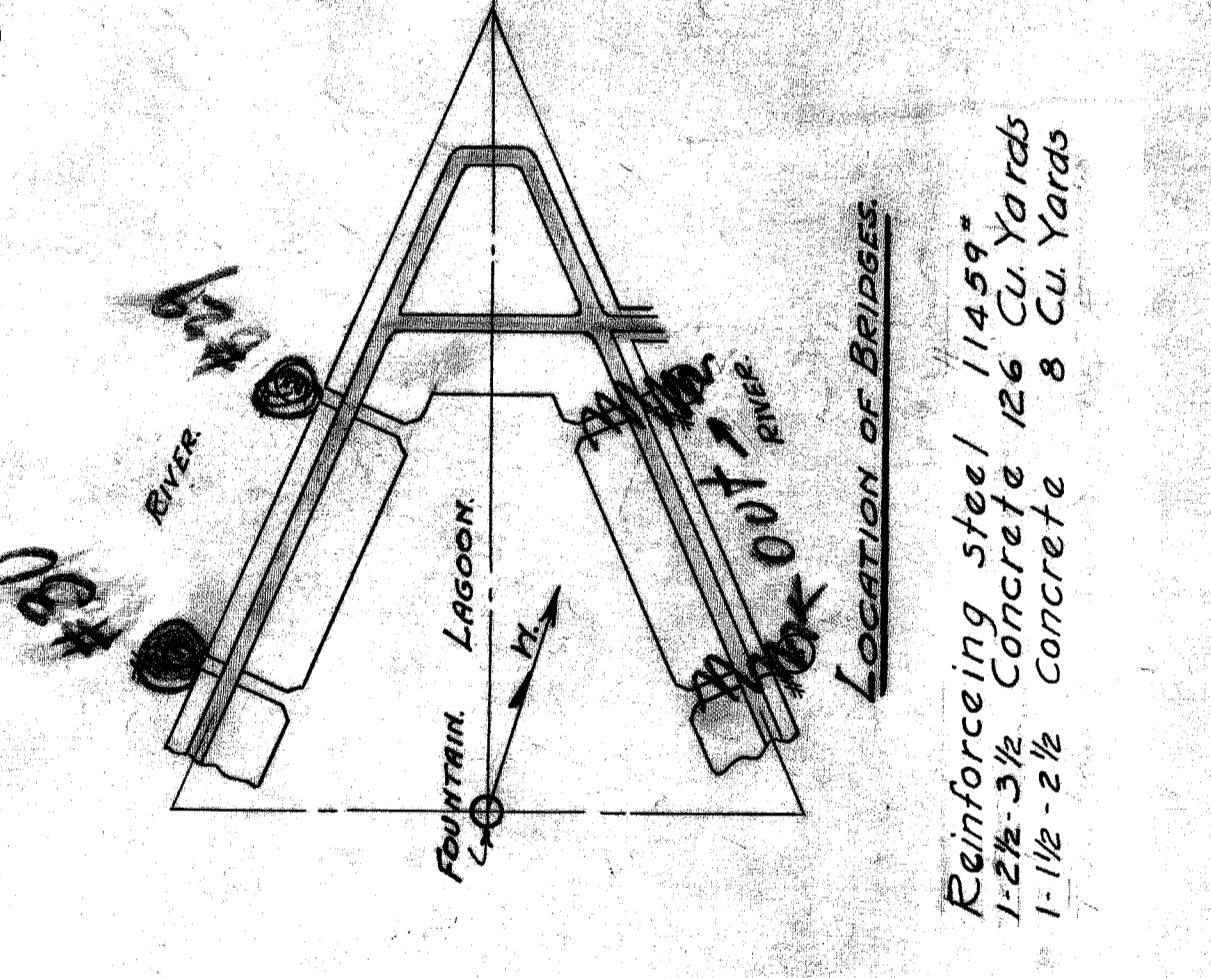
PLAN
Scale 3/8"=1'-0"



ELEVATION
Scale 3/8"=1'-0"

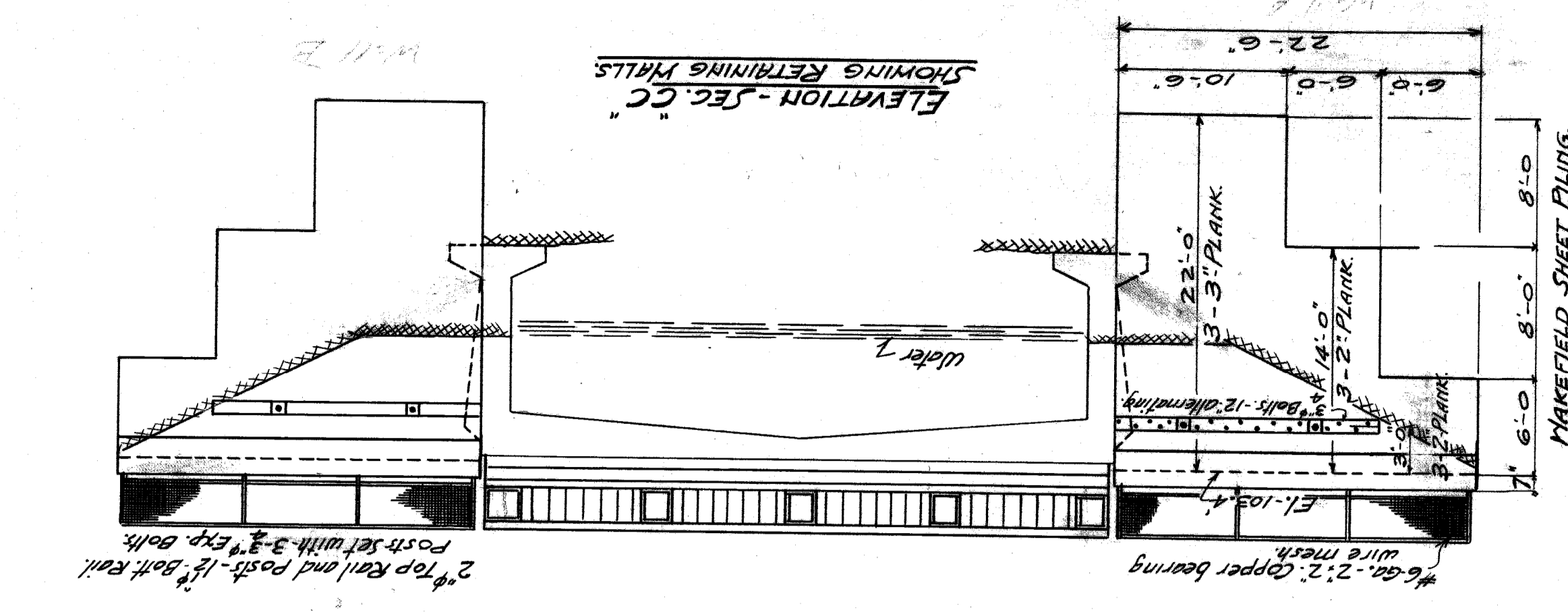


SECTION-AA
Scale 1/4"=1'-0"



LIST OF BARS - APPROACHES FOR ONE BRIDGE

NO.	REQ. SIZE	LENGTH	MARK	LOCATION	BEND	DRAWING	NO. BARS	SIZE	MARK	LOCATION	BEND	DRAWING	
54	1 1/4"	15	0	AA	Face rail		6	11	0	CS	Face rail	Vertical	
55	1 1/4"	18	6	AB	"		6	11	6	CU	"	"	
56	5/8"	8	0	BA	"		6	11	0	CU	"	"	
57	5/8"	15	6	BB	"		6	11	6	CV	"	"	
58	5/8"	18	6	BC	"		6	11	6	CV	"	"	
104	3/4"	11	10	CA	"		6	14	0	CZ	"	"	
120	1 1/8"	11	8	CB	"		20	12	0	CW	"	"	
28	5/8"	5	0	CC	"		12	17	0	CY	"	"	
28	5/8"	7	1	CD	"		92	3	4	2	DA	"	"
28	5/8"	9	0	CE	"		32	3	13	4	DB	"	"
28	5/8"	11	0	CF	"		18	2	13	4	DD	"	"
28	5/8"	12	0	CG	"		70	2	13	4	DE	"	"
212	2	6	CH	"	"		36	"	11	4	CAC	"	"
6	"	7	6	CI	"		60	"	3	5	CAD	"	"
6	"	8	0	CJ	"		"	"	"	"	"	"	
6	"	9	0	CK	"		"	"	"	"	"	"	
6	"	10	0	CL	"		"	"	"	"	"	"	
6	"	10	0	CM	"		"	"	"	"	"	"	
6	"	10	0	CN	"		"	"	"	"	"	"	
6	"	10	0	CO	"		"	"	"	"	"	"	
6	"	10	0	CP	"		"	"	"	"	"	"	
6	"	10	0	CQ	"		"	"	"	"	"	"	
6	"	10	0	CR	"		"	"	"	"	"	"	



ELEVATION - SEC. CC
SHOWING RETAINING WALLS

- BILL OF MATERIAL**
- 14. 3/4" x 1-6" Do/s
 - 24. 3/4" x 1-9" Do/s
 - 80. 3/4" Cut Washers
 - 4. 1/2" x 3/4" Rods Upset to 1/2" Dia. Thread with Nuts
 - 2. 80. 1/2" Washers with 2" Hole
 - 44. of Pipe Rolling with 24. 3/4" Exp. Do/s
 - MESH
 - 2. 44. 22.0" # Wire
 - 66. 2.2" x 44.0" Copper Bearing Wire Mesh
 - Timber 3/4" x 22.0"
 - 30. 3/4" x 22.0"
 - 18. 2" x 12" x 14.0"
 - 2. 10" x 10" x 10.6"
 - 2. 10" x 10" x 16.6"
 - Piles
 - 60. 12.4" x 20.0"

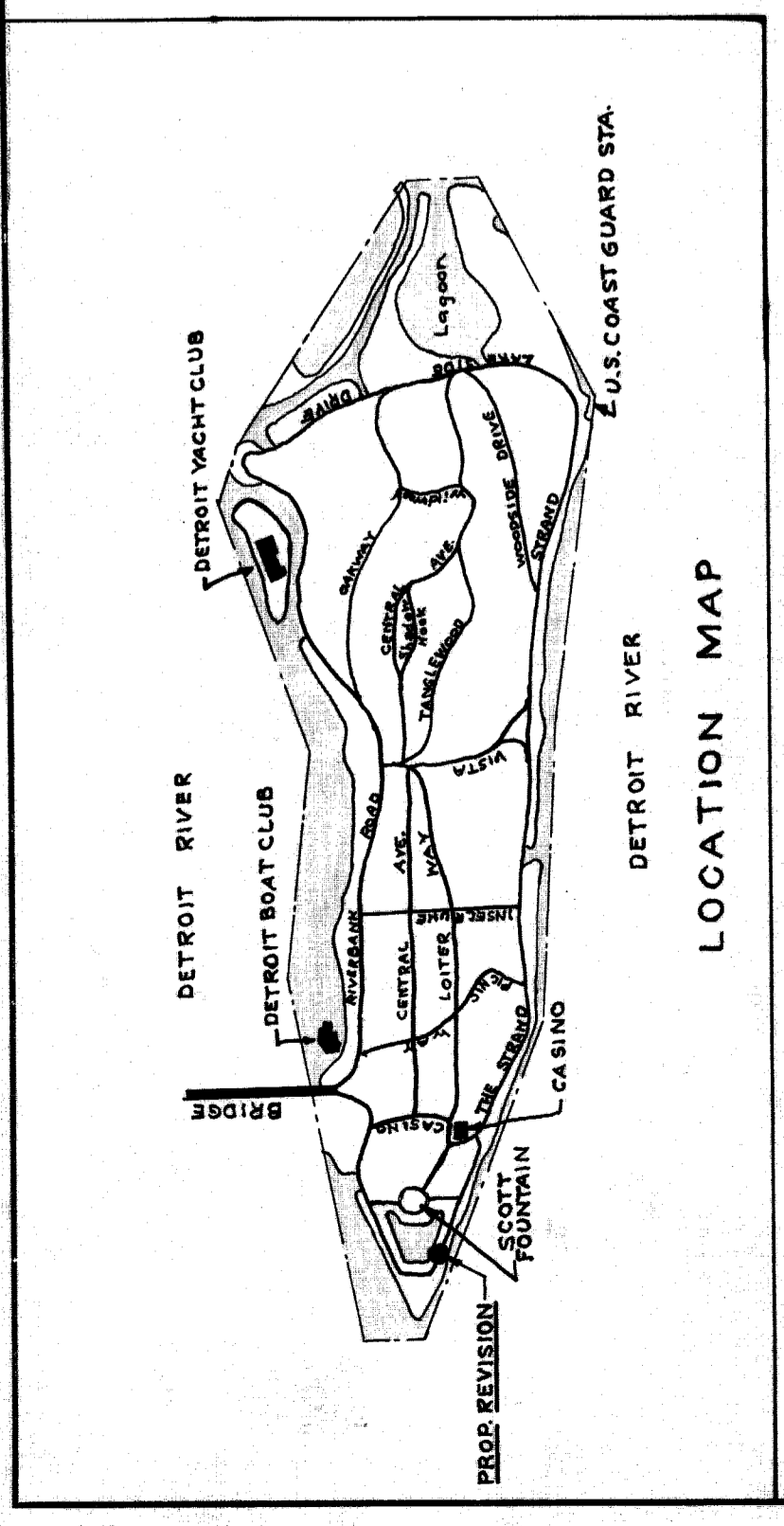
CITY OF DETROIT
DEPT. OF PUBLIC WORKS
OFFICE OF CITY ENGINEER
BUREAU OF STRUCTURES
SCOTT FOUNTAIN BRIDGES
GENERAL PLAN

SCALE As Shown. Date SF. I
Made by H.A.A. Revision
Checked by H.L.D. Sheet No. 1 of 3

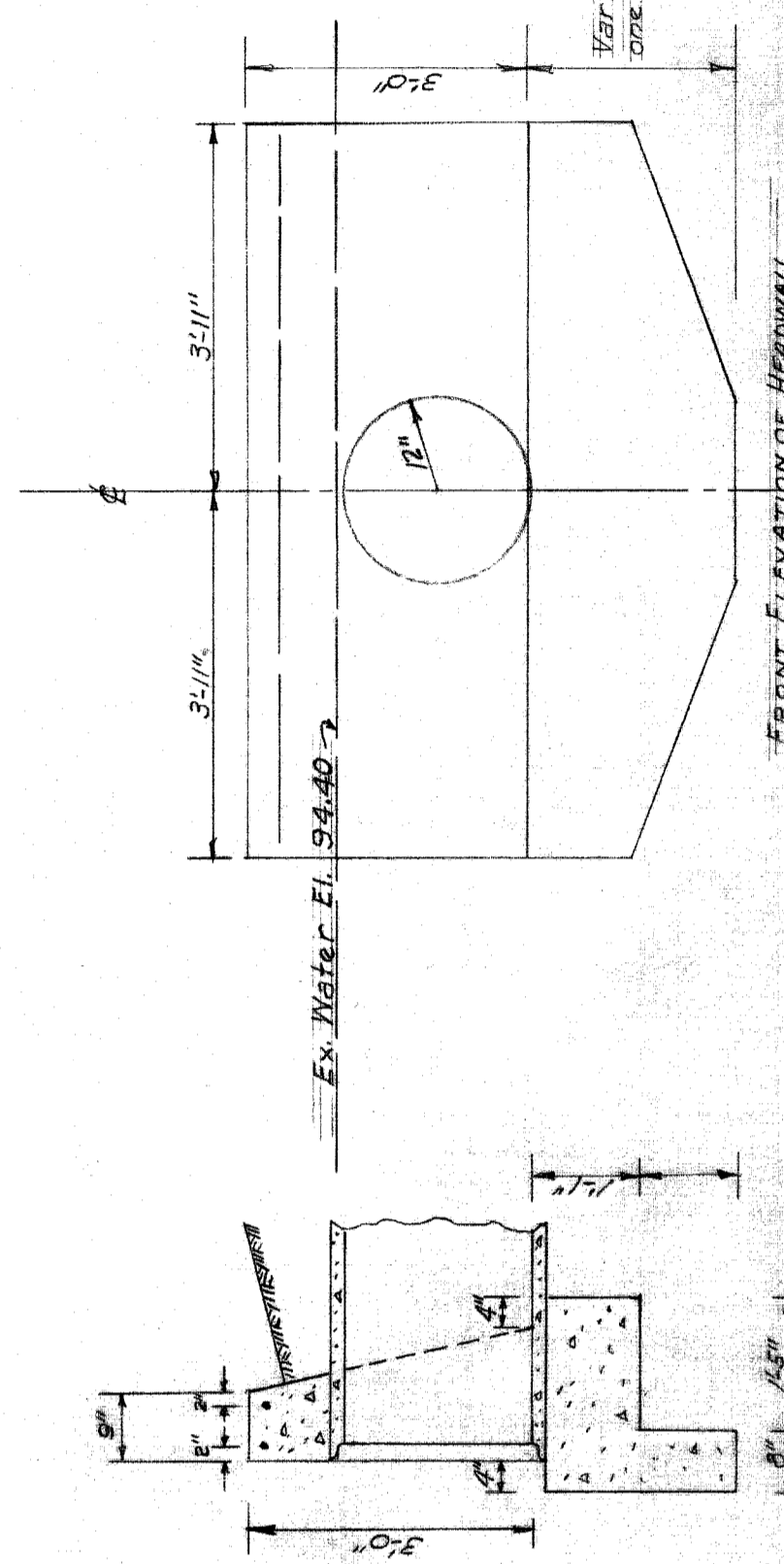
H.M. & H.N. Alkman
H.L. Joseph
Fruit Park, Grand Park, etc.
etc. Drafting - Utilities Dept.
Bureau of Structures

Draw # 4

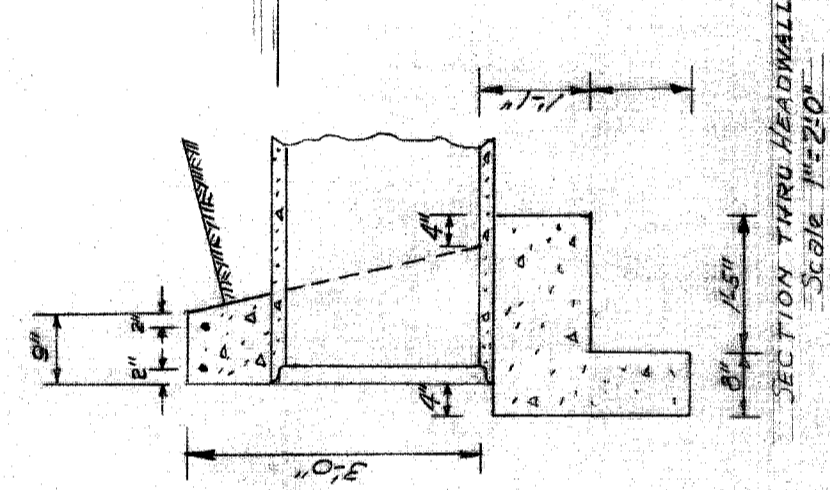
DW 251 & 250-1



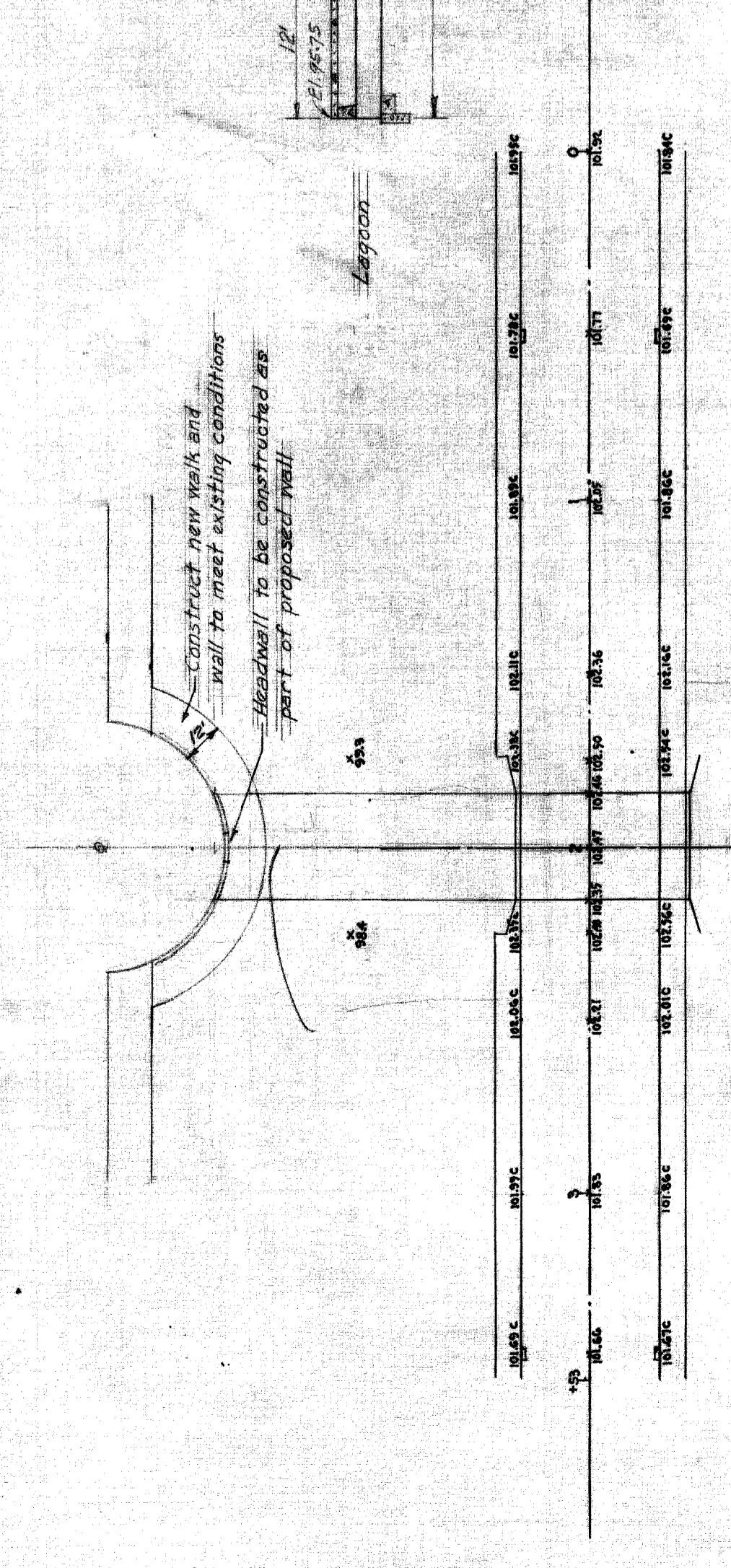
ESTIMATED QUANTITIES		
QUANTITY	ITEM	UNIT PRICE AMOUNT
3000	FILL Material (Perous)	0.45 1350.00
1100	FILL Material	0.45 495.00
180	Rebar	8.33 1500.00
184	Concrete Pipe 24"	4.50 831.00
1	Center for Headwalls	20423.00
1	Demolish Bridge	150.00



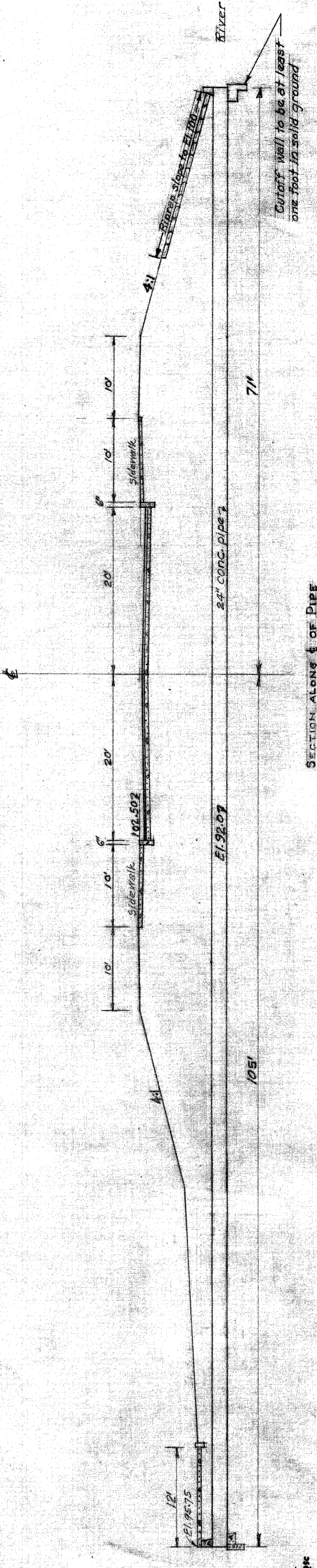
FRONT ELEVATION OF HEADWALL
Scale 1/2" = 1'-0"



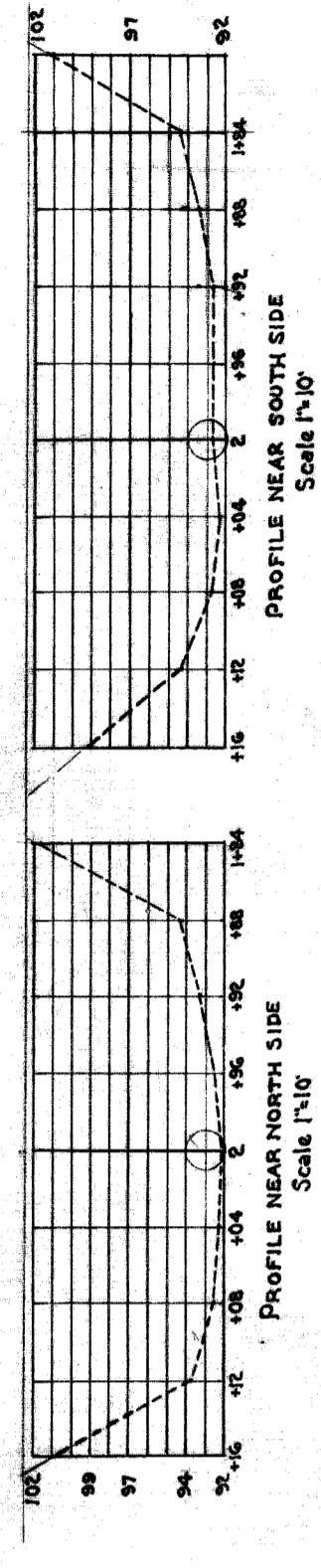
SECTION THROUGH HEADWALL
Scale 1/2" = 1'-0"



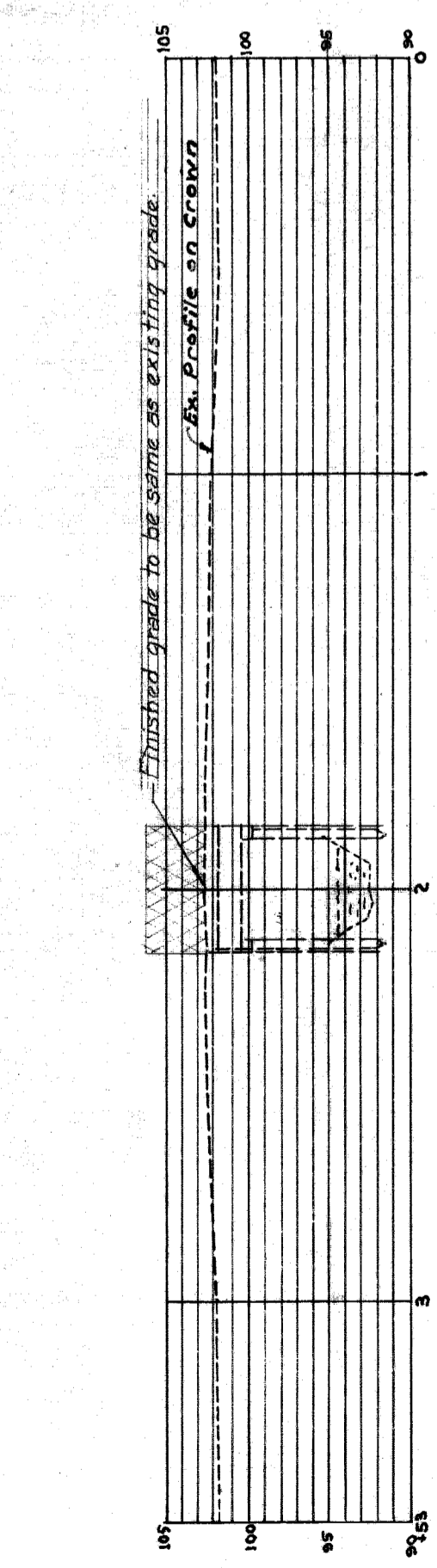
PLAN
Scale 1" = 40'



SECTION ALONG 1/2 OF BRIDGE
Scale 1" = 10'



PROFILE NEAR NORTH SIDE
Scale 1" = 10'

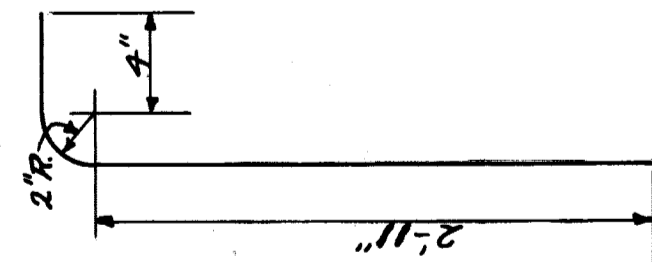


PROFILE
Scale 1" = 40'

DESIGNED BY DRAWN BY <i>E.B. Youatt</i> TRACED BY CHECKED BY	APPROVED ENGINEER OF CITY ENGINEER	BELLE ISLE PARK BRIDGE NO. 29		BOOK NO. 1830 PAGE NO. 8	DWG. NO. C 668 DATE
		CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEER'S OFFICE		SCALE AS NOTED	
		BUREAU OF		DATE	
		DESCRIPTION CONTINUED		DATE	

02 228-1A
D.W. 2/24

Bar Schedule			
Mk No	Size	Length	Remarks
B36	$\frac{1}{2}$ " ϕ	3'-6"	Spindles - Bent
B389	$\frac{1}{2}$ " ϕ	38'-9"	Long - Railing
B379	$\frac{1}{2}$ " ϕ	37'-9"	Long - Curb



Detail of B36
Scale: $\frac{1}{2}$ " = 1'-0"

MATERIAL

CONCRETE 17 Cu Yds.

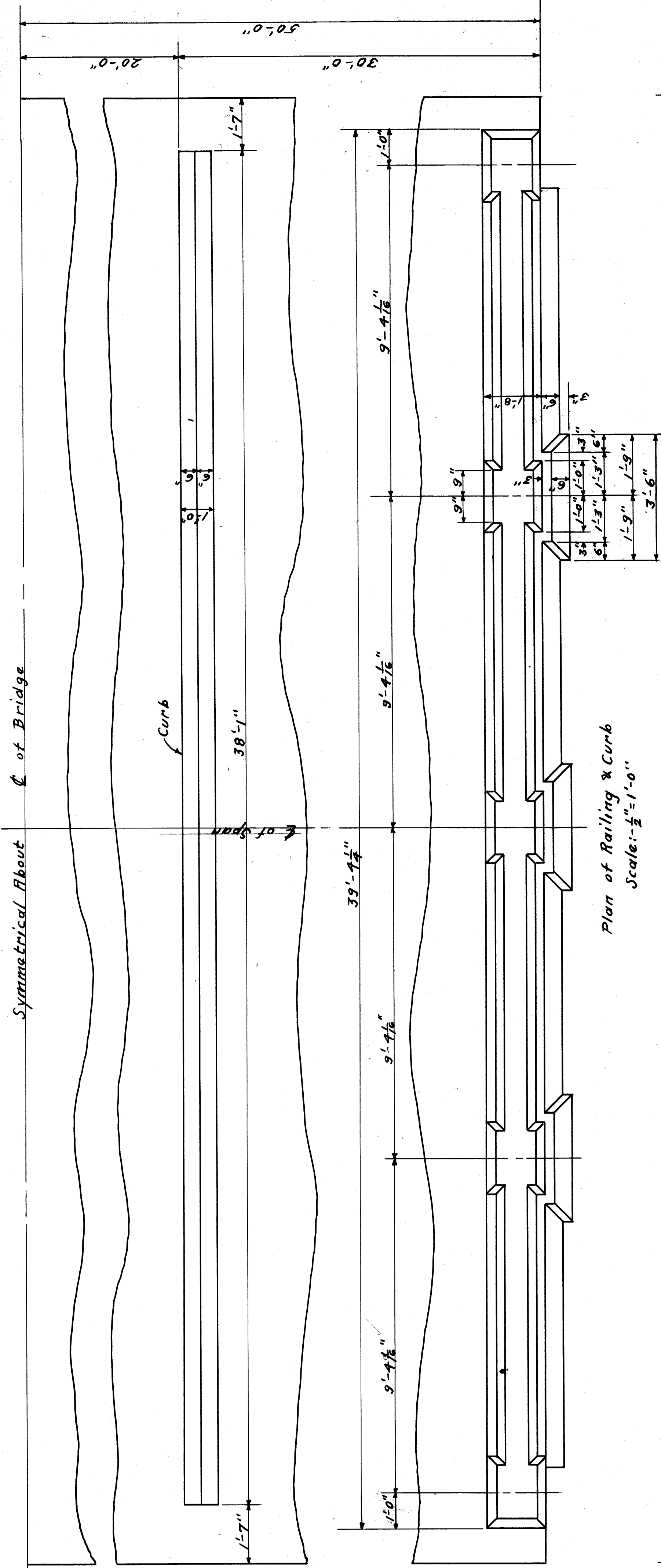
REINFORCING STEEL 799*

Pref-CAST SPINDLES 56

GENERAL NOTES

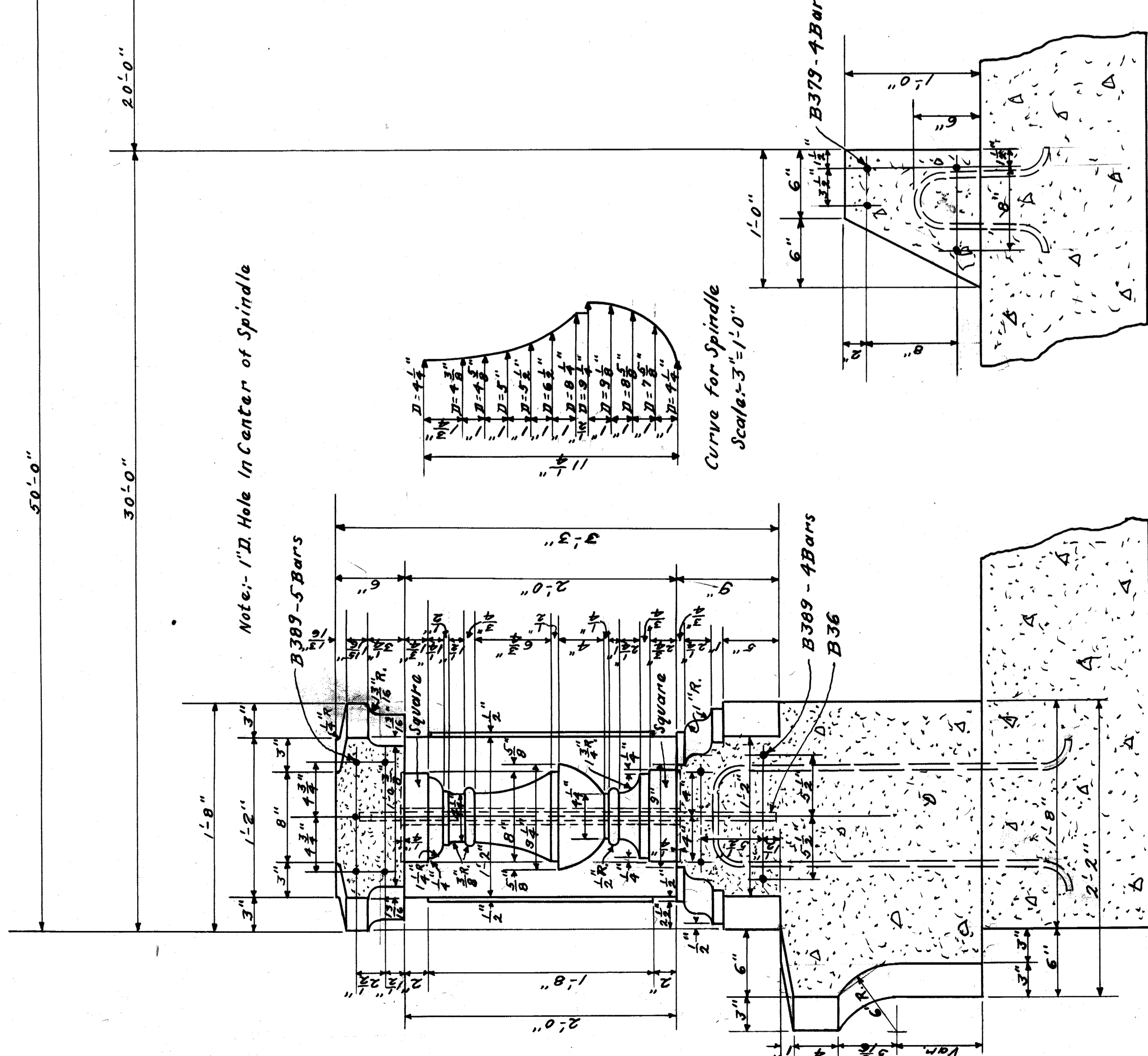
All elevations refer to City Datum.
 All work to be done in accordance with specifications accompanying these drawings.
 Concrete Mix for railing 1- $\frac{1}{2}$ -2- $\frac{1}{2}$. All other mix 1-2- $\frac{1}{2}$ -3- $\frac{1}{2}$.
 No concrete to be placed under water.
 Waterproofing as per specifications.
 Construction joints: All construction joints to have keys of suitable dimensions.
 All construction joints in deck abutments and wing walls to be covered with a double thickness of asphalt saturated fabric 24" wide. Each layer to be placed in a hot asphalt mopping.
 Piling: All piles to be in accordance with specifications. Test piles to be driven after excavation to determine proper length of piling in order to develop a carrying capacity of 15 Tons per pile.
 Entire present structure to be removed.

Symmetrical About C of Bridge



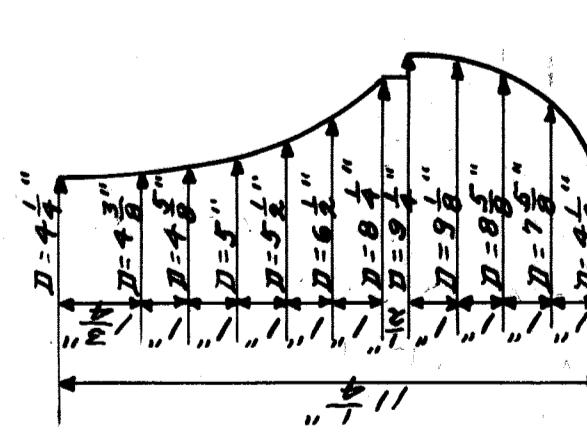
Plan of Railing & Curb
Scale: $\frac{1}{2}$ " = 1'-0"

Symmetrical About C of Bridge

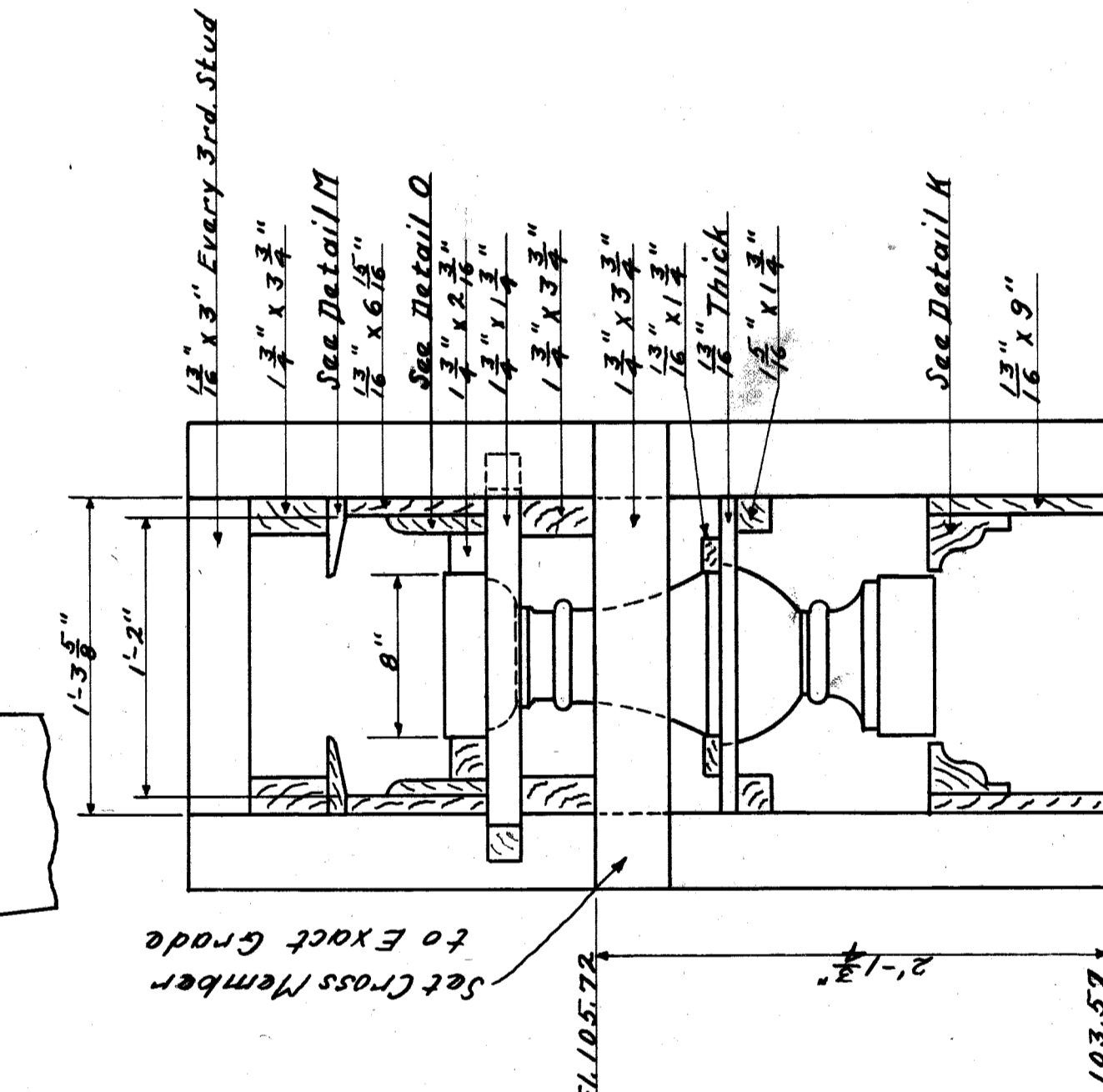


Section B-B

Scale: $\frac{1}{2}$ " = 1'-0"

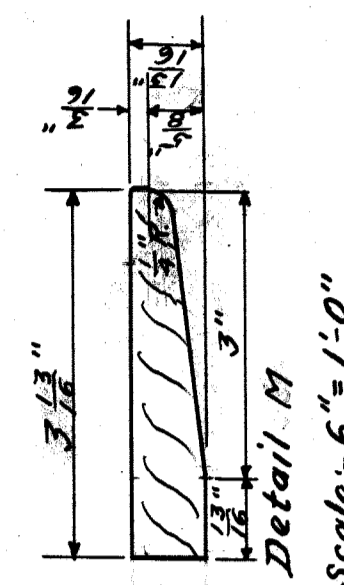


Curve for Spindle
Scale: $\frac{1}{8}$ " = 1'-0"

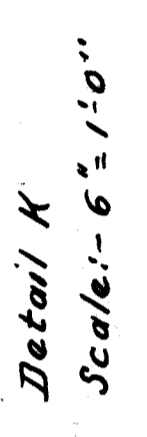


Elevation of Railing
Scale: $\frac{1}{2}$ " = 1'-0"

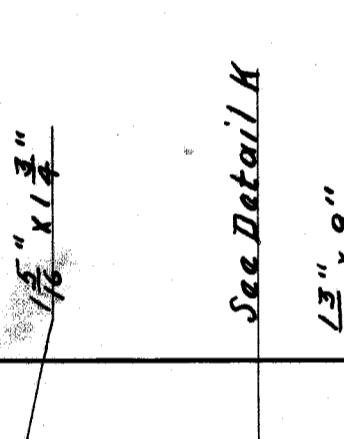
Plan of Forms
Scale: 6" = 1'-0"



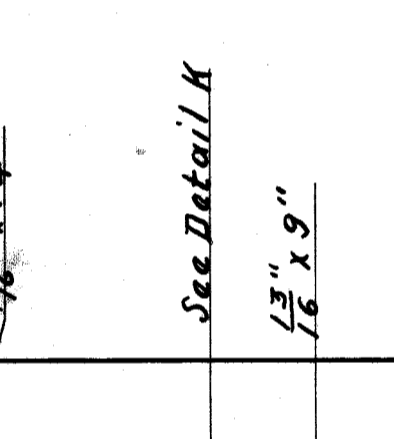
Detail M
Scale: 6" = 1'-0"



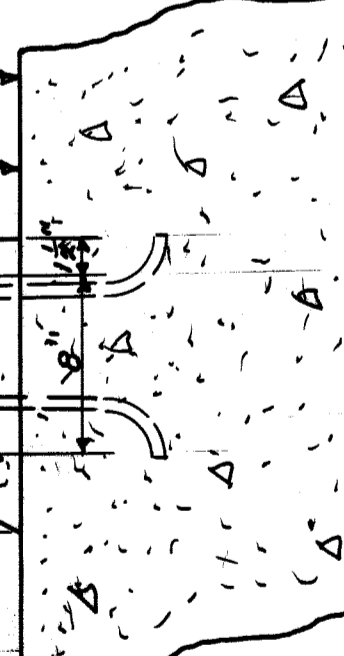
Detail K
Scale: 6" = 1'-0"



Detail O
Scale: 6" = 1'-0"



Detail L
Scale: 6" = 1'-0"



Detail N
Scale: 6" = 1'-0"

Section of Forms
Scale: $\frac{1}{2}$ " = 1'-0"

CITY OF DETROIT
 DEPT. OF PUBLIC WORKS
 OFFICE OF CITY ENGINEER
 BUREAU OF STRUCTURES
 SCOTT FOUNTAIN BRIDGES
 DETAILS-RAILING & CURB

J.C.A.L. as Show
 Made by H.L.V.
 Checked by
 Date
 Revision
 Sheet No. 3 of 3

B.W. 2257 of 200-3

Draw. 4

B.I. 37