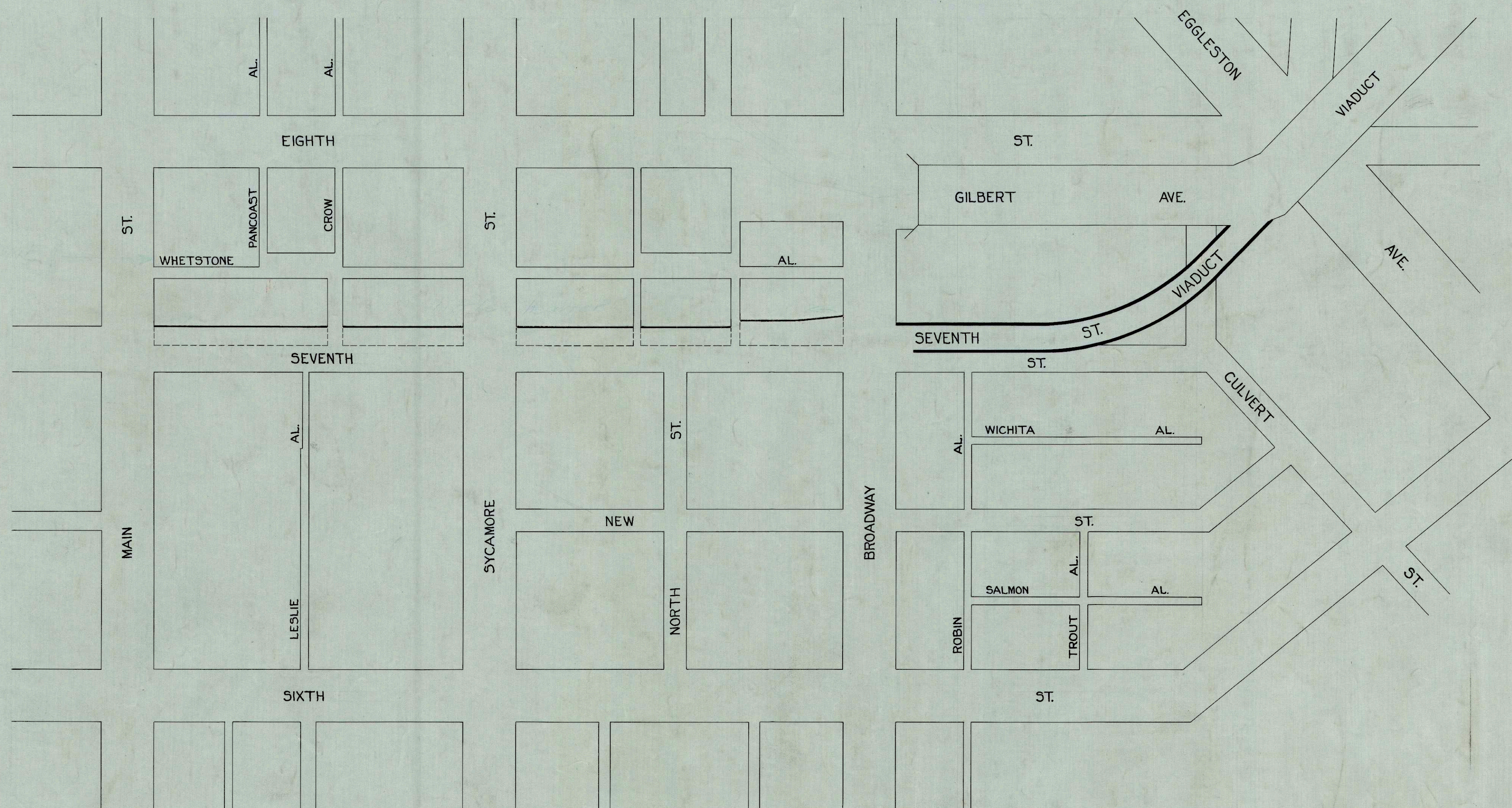




CONTRACT DRAWING

PRINTS NOT BEARING THIS STAMP
WERE MADE PRIOR TO ADVERTISING
FOR BIDS AND ARE TO BE CONSID-
ERED OBSOLETE FOR CONTRACT
PURPOSES

SEVENTH ST. VIADUCT		
ACC. NO.	NO. IN SET	DESCRIPTION
26163	1	Location Plan
19551	2	General Plan No 1
19552	3	General Plan No 2
26164	4	Approach Walls - Panel 1
26165	5	Approach Walls - Panels 2 & 3
26166	6	Approach Wall - Panels 4 & 5 S.
26167	7	Approach Wall - Panels 4, 5 & 6 N.
26168	8	Details - West Abutment
26169	9	Details of Piers 1 & 2
26170	10	Details of Piers 3, 4, 5 & 6
26171	11	Steel Superstructure at Piers 1 & 2
26172	12	Steel Girder Spans - Piers 2 to 7
26173	13	Details of Pedestals & Shoes
26174	14	Plan - Remodeling Gilbert Ave. Viaduct.
26175	15	Details - Remodeling Gilbert Ave. Viaduct
26176	16	Deck Details - Spans 3-4, 4-5, 5-6 & 6-7
26177	17	Deck Details - Spans 1-2 & 2-3
26178	18	Handrail Details - Sheet 1 of 3
26179	19	Handrail Details - Sheet 2 of 3
26180	20	Handrail Details - Sheet 3 of 3
26181	21	Joint Plate Details
26182	22	Drainage Details
26183	23	Lighting Plan & Details
26184	24	Anchor Bolt Plan

CITY OF CINCINNATI DEPARTMENT OF PUBLIC WORKS DIVISION OF ENGINEERING **PROPOSED WIDENING & IMPROVEMENT SEVENTH ST. MAIN ST. TO CULVERT ST. RAMP CONN. TO GILBERT AVE. VIADUCT LOCATION PLAN**

SCALE: 1" = 100'

MARCH 1, 1949.

ISSUE 1

SUBMITTED *R. B. Barnes*
PRINCIPAL ENGINEER - STRUCTURES

RECOMMENDED *W. H. Krueger*
CITY ENGINEER

RECOMMENDED *R. B. Barnes*
DIRECTOR OF PUBLIC WORKS

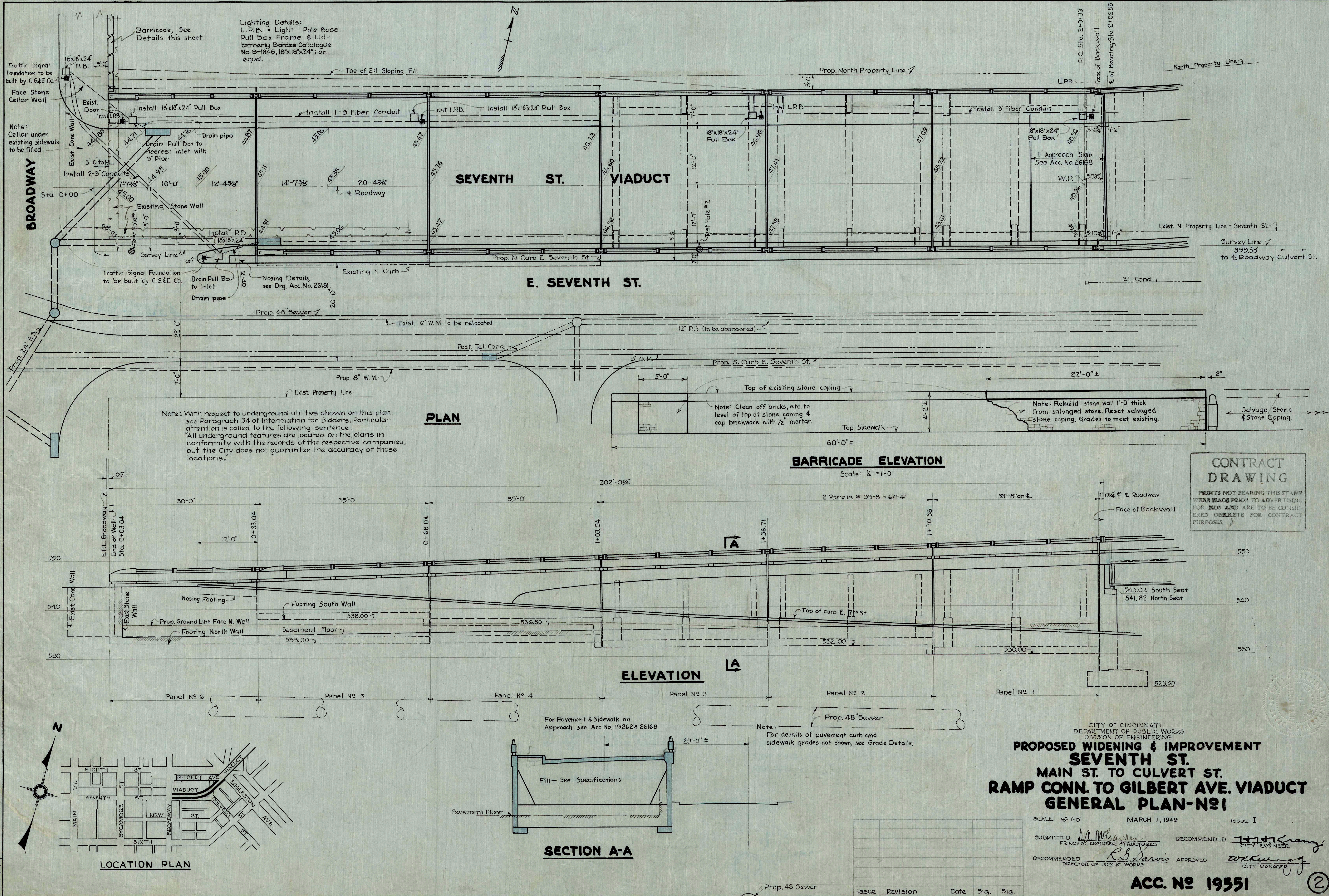
APPROVED *W. H. Krueger*
CITY MANAGER

ACC. NO 26163

1

Drawn R.M.B.
Checked C.M.H.
Traced WAFH
Reviewed *R. B. Barnes*

Issue	Revision	Date	Sig.	Sig.

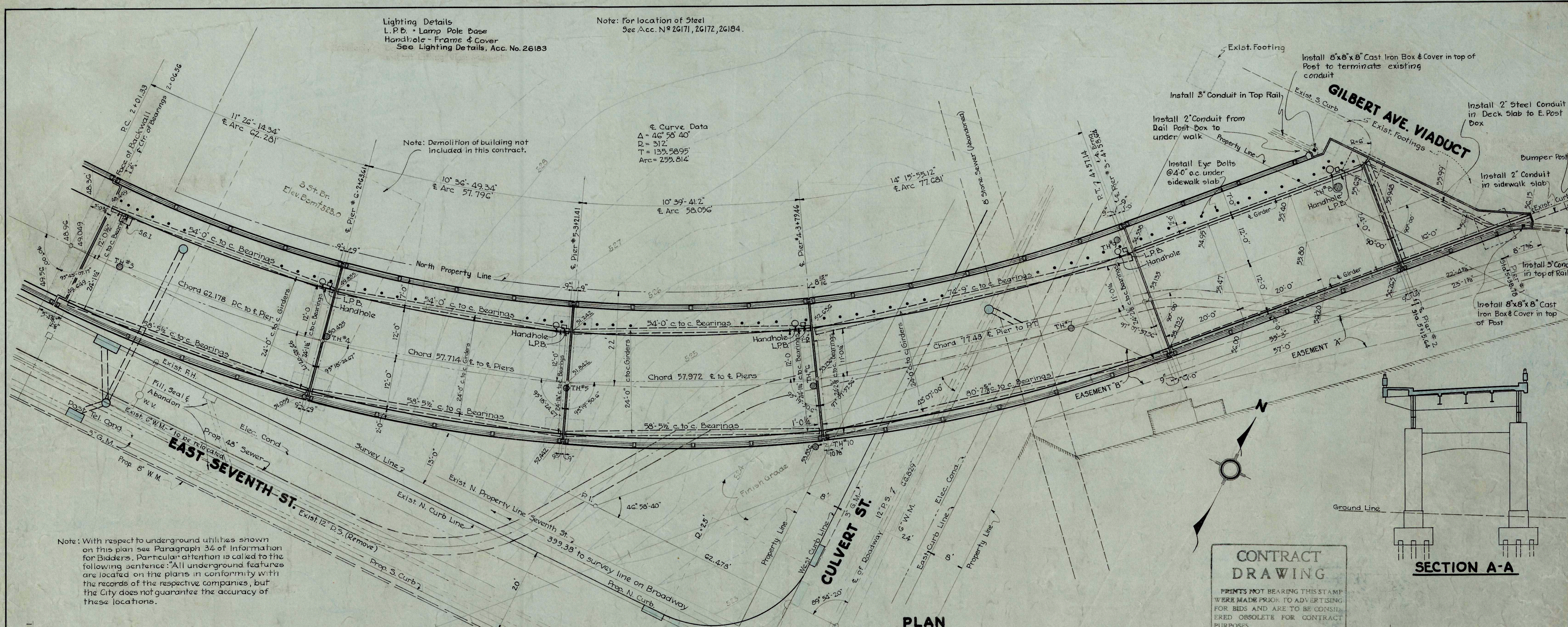


Lighting Details
 L.P.B. - Lamp Pole Base
 Handhole - Frame & Cover
 See Lighting Details, Acc. No. 26183

Note: For location of steel
 See Acc. No. 26171, 26172, 26184.

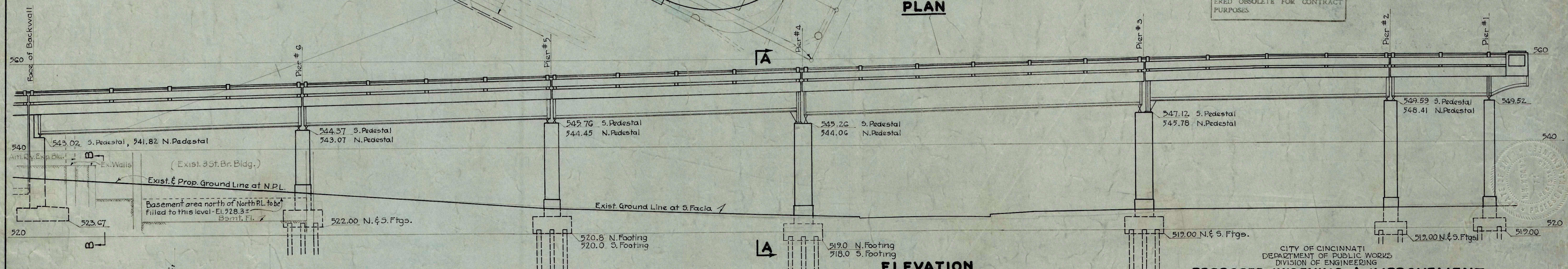
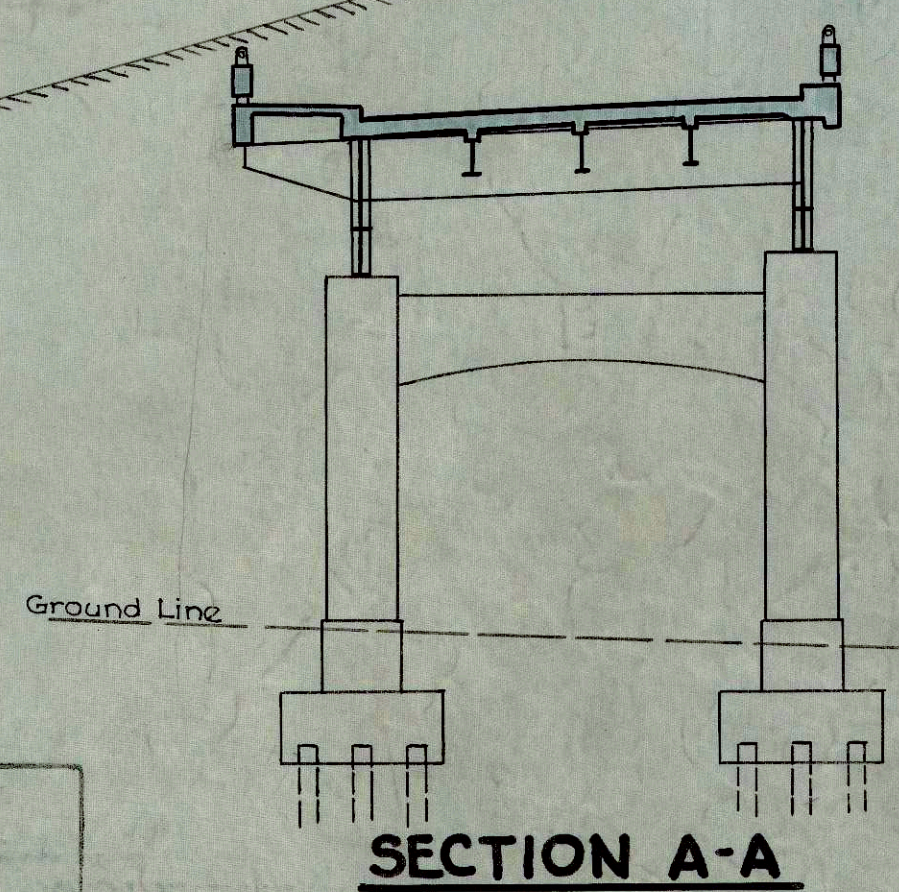
Curve Data
 $\Delta = 46^\circ 58' 40''$
 $R = 512'$
 $T = 135.5895'$
 $LC = 259.814'$

Note: Demolition of building not included in this contract.



Note: With respect to underground utilities shown on this plan see Paragraph 34 of Information for Bidders. Particular attention is called to the following sentence: "All underground features are located on the plans in conformity with the records of the respective companies, but the City does not guarantee the accuracy of these locations."

CONTRACT
 DRAWING
 PRINTS NOT BEARING THIS STAMP
 WERE MADE PRIOR TO ADVERTISING
 FOR BIDS AND ARE TO BE CONSIDERED
 OBSOLETE FOR CONTRACT
 PURPOSES

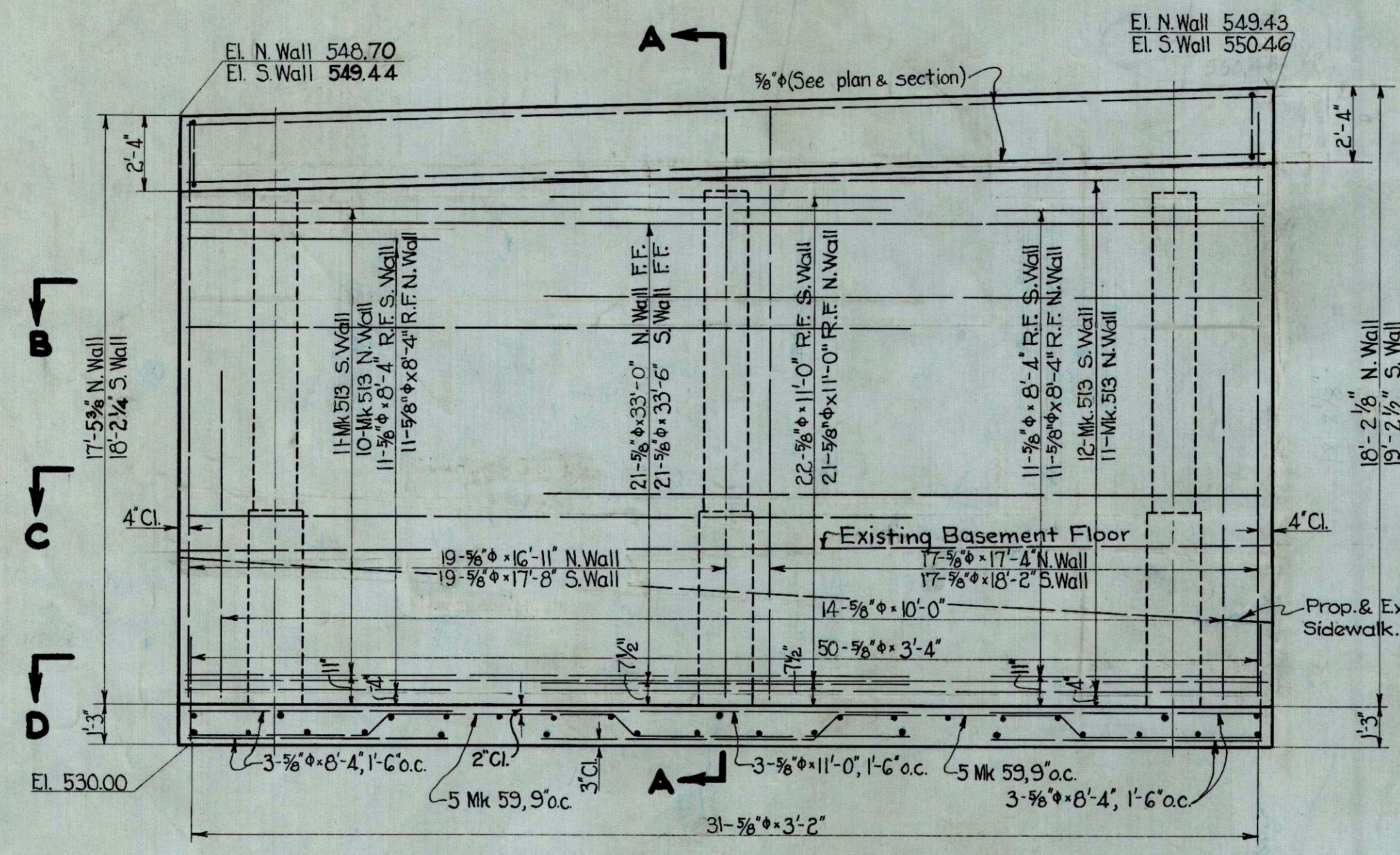


CITY OF CINCINNATI
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF ENGINEERING
**PROPOSED WIDENING & IMPROVEMENT
 SEVENTH ST.
 MAIN ST. TO CULVERT ST.
 RAMP CONN. TO GILBERT AVE. VIADUCT
 GENERAL PLAN-Nº2**

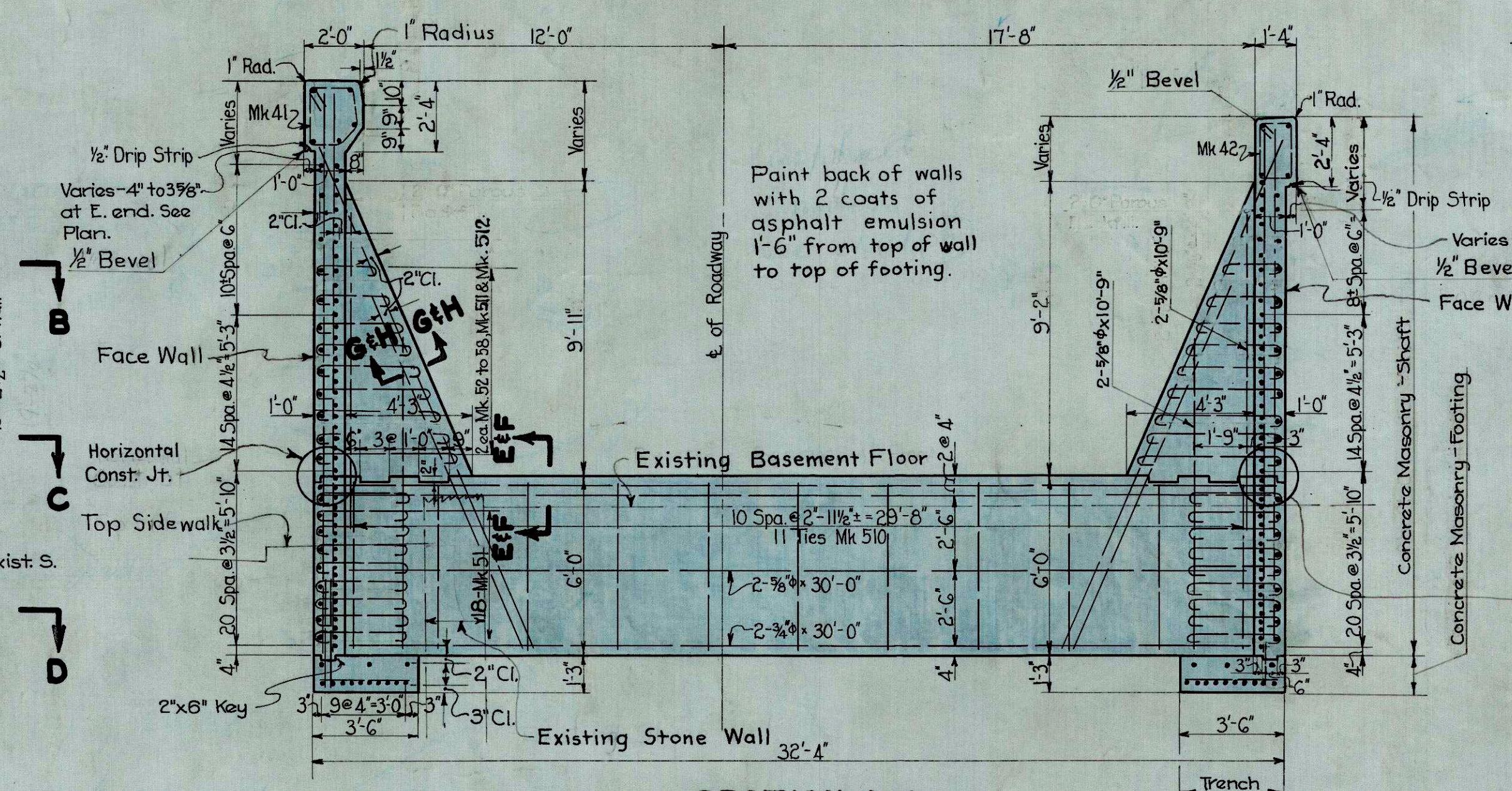
SCALE 3/32" = 1'-0"
 MARCH 1, 1949
 ISSUE 2
 SUBMITTED *M. McSwain*
 PRINCIPAL ENGINEER-STRUCTURES
 RECOMMENDED *R. B. Lawrence*
 DIRECTOR OF PUBLIC WORKS
 APPROVED *W. H. H. H.*
 CITY ENGINEER
 CITY MANAGER

ACC. Nº 19552

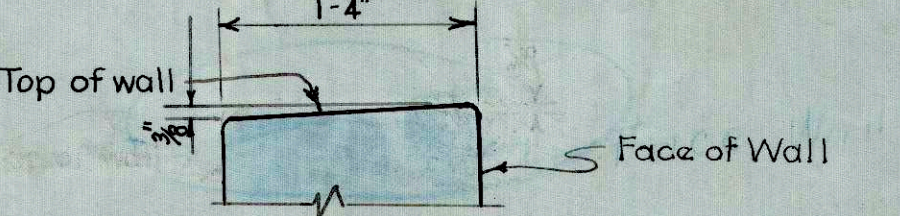
Issue	Revision	Date	Sig.	Sig.
2	South Footing E. of Pier #2 8.48 Sewer E. of Pier #3	5-12-49	W.F.H.	G.E.G.



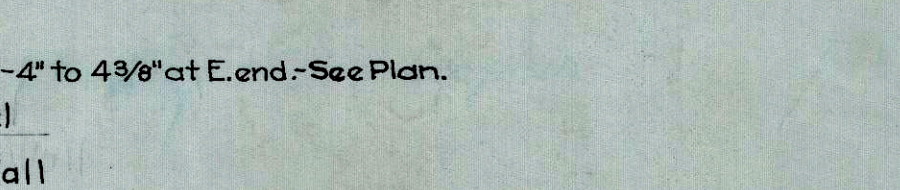
SOUTH ELEVATION
Scale: 1/4" = 1'-0"



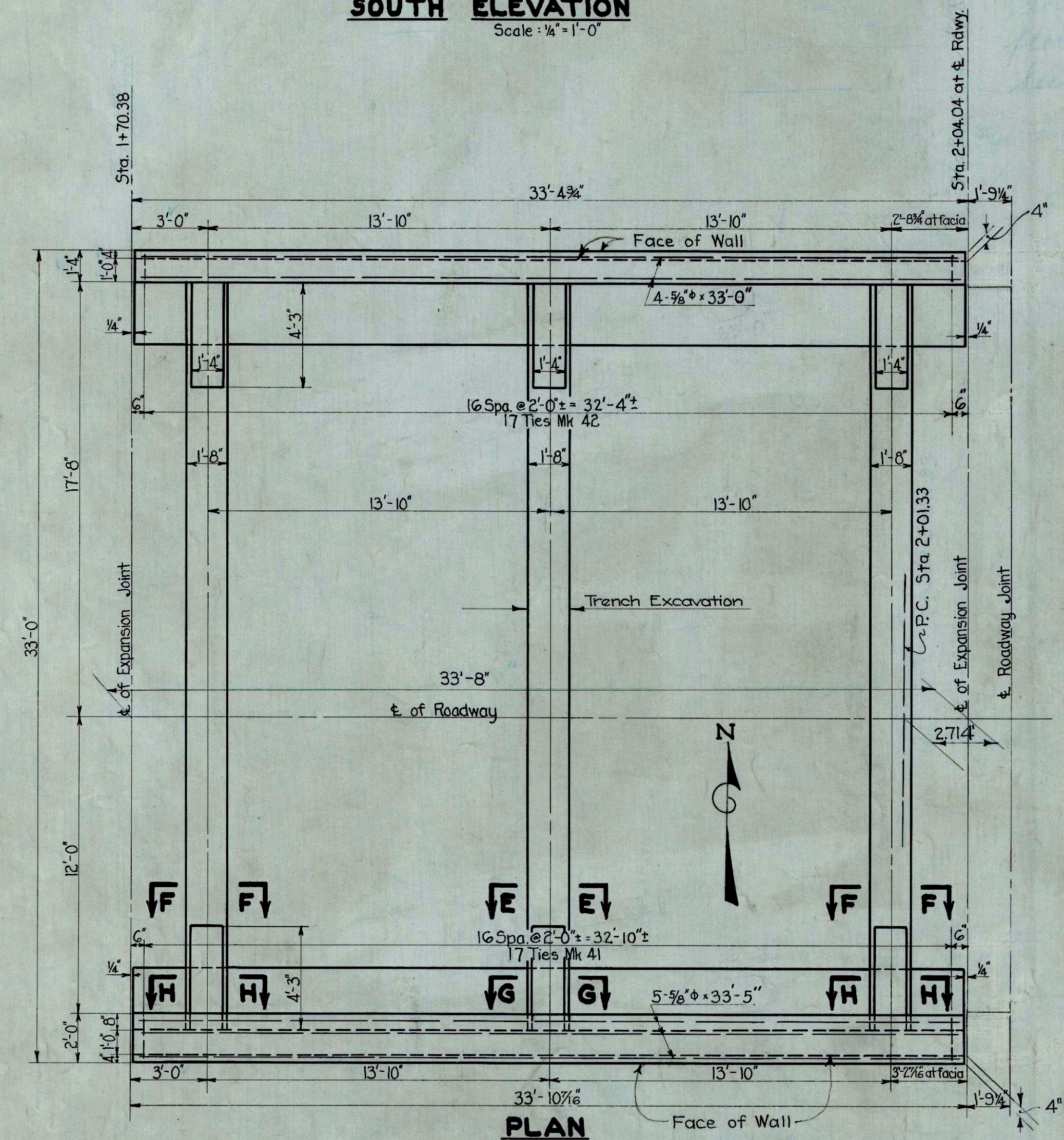
SECTION A-A
Scale: 1/4" = 1'-0"



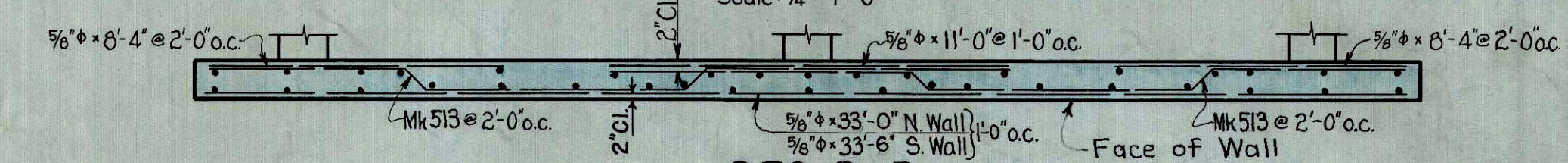
SLOPE ~ TOP OF WALL



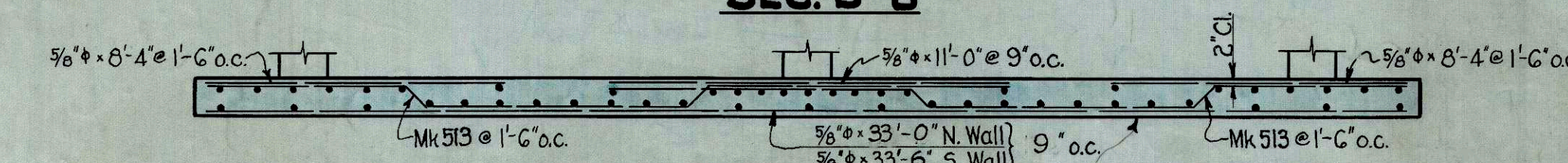
HORIZONTAL CONSTRUCTION JT.



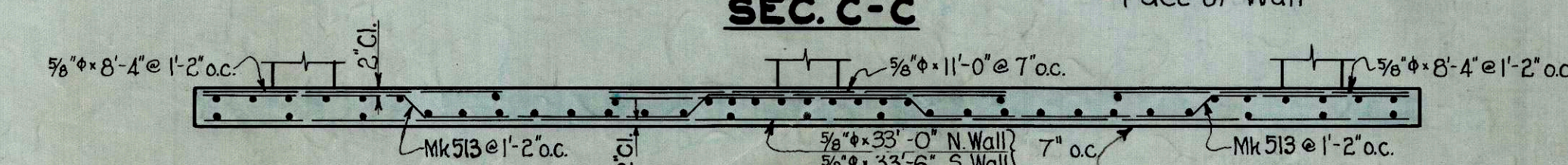
PLAN
Scale: 1/4" = 1'-0"



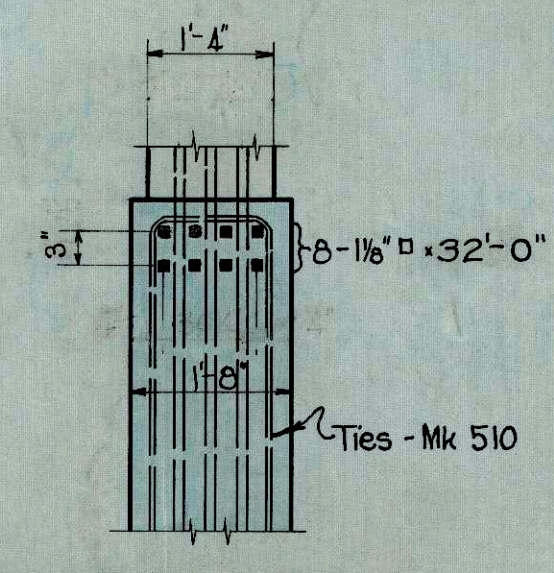
SEC. B-B
Scale: 1/4" = 1'-0"



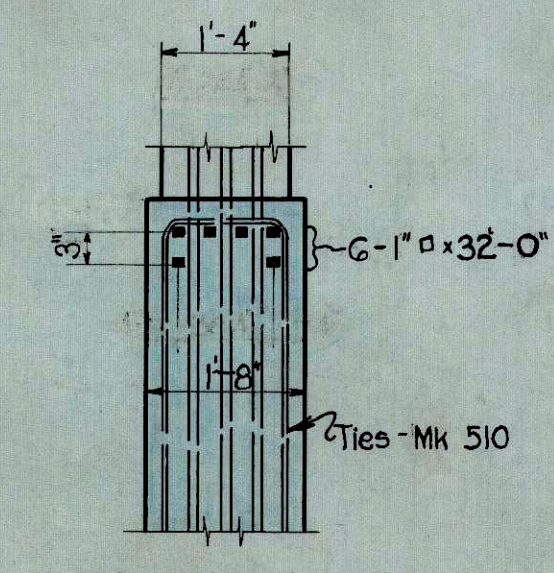
SEC. C-C
Scale: 1/4" = 1'-0"



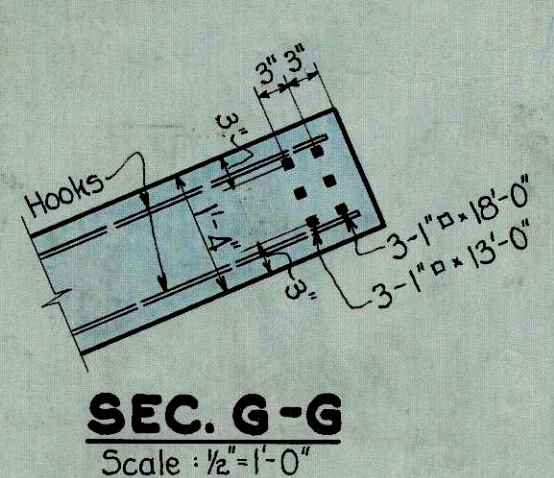
SEC. D-D
Scale: 1/4" = 1'-0"



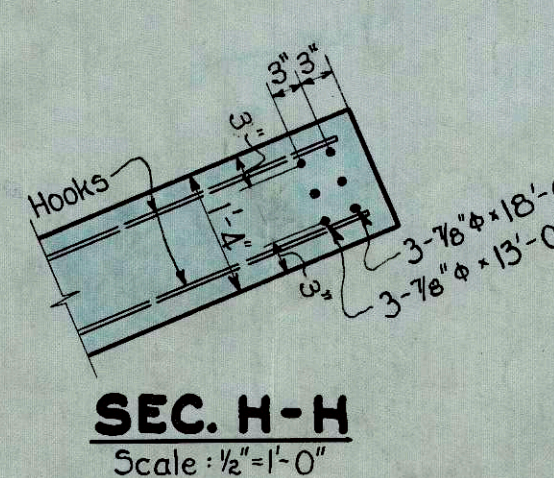
SEC. E-E
Scale: 1/2" = 1'-0"



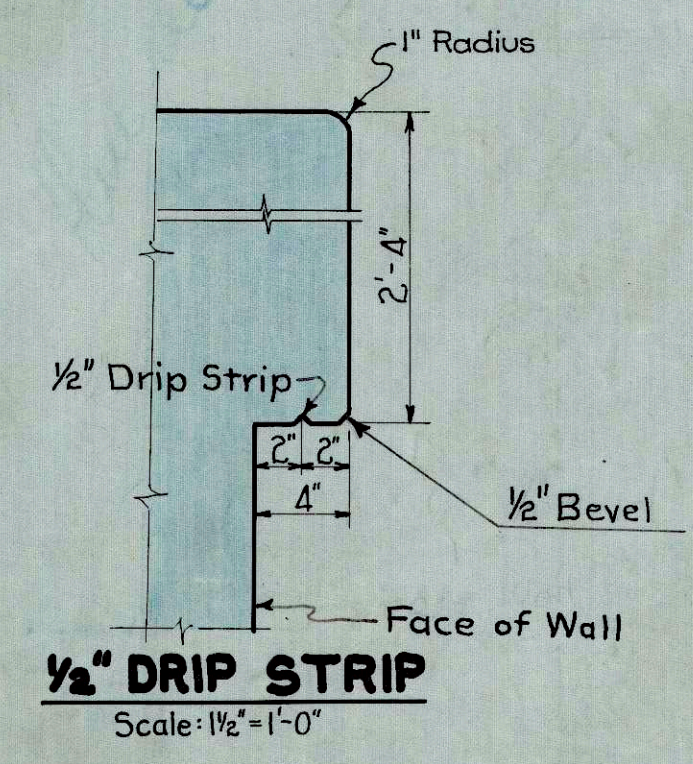
SEC. F-F
Scale: 1/2" = 1'-0"



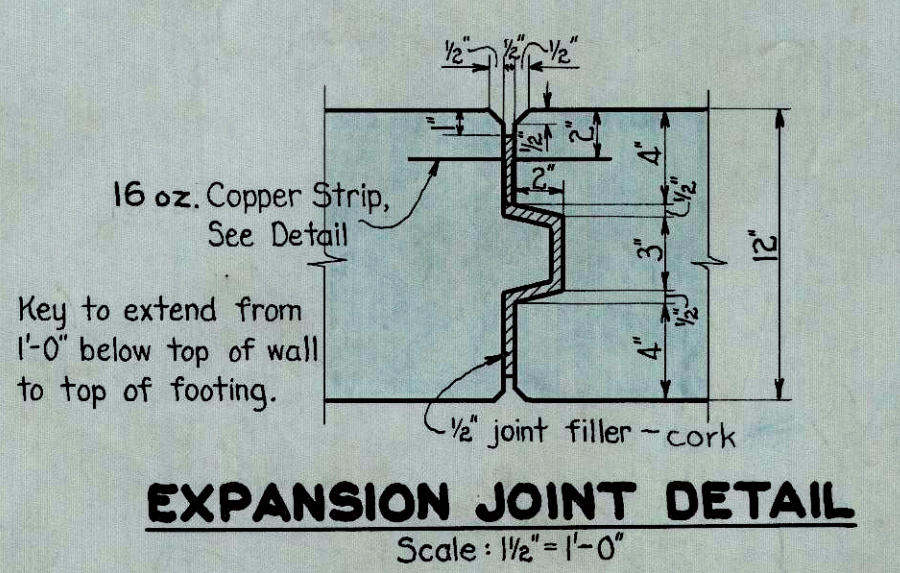
SEC. G-G
Scale: 1/2" = 1'-0"



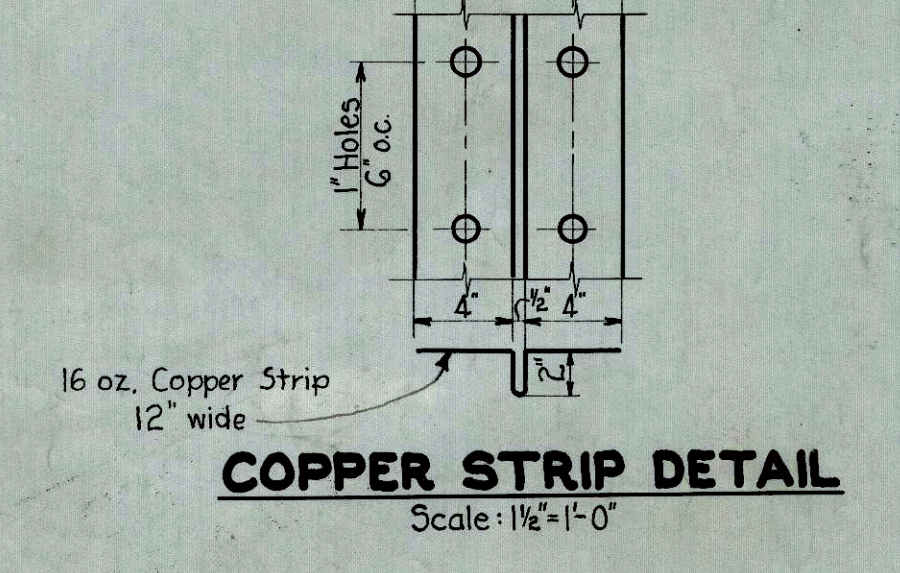
SEC. H-H
Scale: 1/2" = 1'-0"



1/2" DRIP STRIP
Scale: 1/2" = 1'-0"



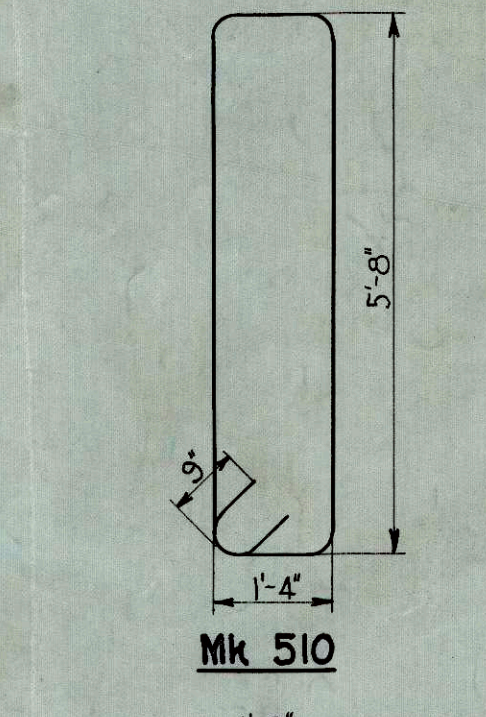
EXPANSION JOINT DETAIL
Scale: 1/2" = 1'-0"



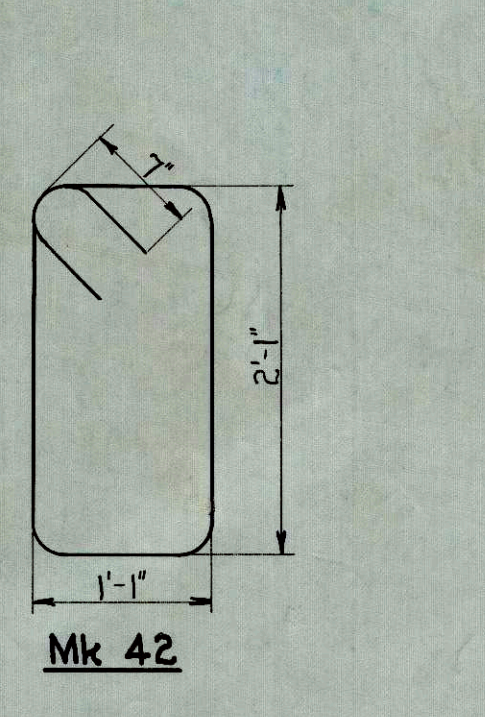
COPPER STRIP DETAIL
Scale: 1/2" = 1'-0"

Mark	A	B	C	E	H	L	Length
51	3'-0"	7'-0"	8'-2"	1'-2"	10"	22'-3"	22'-11"
52	4'-9"	7'-0"	8'-4"	0'-11 1/2"	8"	22'-3"	22'-10"
53	4'-4"	7'-0"	8'-4"	0'-11 1/2"	8"	22'-3"	22'-11"
54	4'-0"	7'-0"	8'-4"	0'-11 1/2"	8"	22'-3"	22'-11"
55	3'-8"	7'-0"	8'-4"	0'-11 1/2"	8"	22'-3"	22'-11"
56	3'-4"	7'-0"	8'-4"	0'-11 1/2"	8"	22'-3"	22'-11"
57	3'-0"	7'-0"	8'-4"	0'-11 1/2"	8"	22'-3"	22'-11"
58	2'-7"	7'-0"	8'-4"	0'-11 1/2"	8"	22'-3"	22'-11"
511	2'-3"	7'-0"	8'-4"	0'-11 1/2"	8"	22'-3"	22'-11"
512	1'-9"	7'-0"	8'-4"	0'-11 1/2"	8"	22'-3"	22'-11"

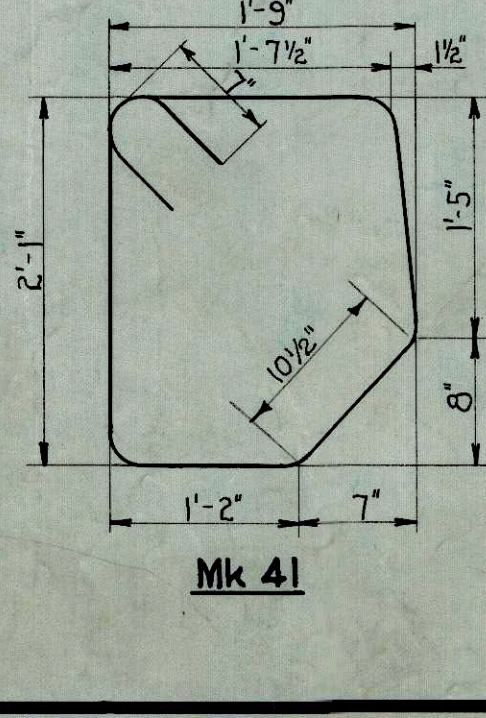
Mark	A	B	C	E	H	L	Length
59	5'-5"	7'-0"	8'-2"	1'-2"	10"	22'-3"	22'-11"
513	5'-7"	7'-0"	8'-4"	0'-11 1/2"	8"	22'-3"	22'-10"



Mk 510



Mk 42



Mk 41

No.	Mark	Size	Length	Location
108	51	5/8"	4'-2"	Cross Beam
12	52	5/8"	5'-11"	Counterfort
12	53	5/8"	5'-6"	
12	54	5/8"	5'-2"	
12	55	5/8"	4'-10"	
12	56	5/8"	4'-6"	
12	57	5/8"	4'-2"	
12	58	5/8"	3'-9"	
20	59	5/8"	22'-11"	Footings
33	510	5/8"	15'-6"	Cross Beam Ties
62	Straight	5/8"	3'-2"	Footings
100		5/8"	3'-4"	Shaft Dowels
68		5/8"	8'-4"	Footings & Shaft, Hor.
28		5/8"	10'-0"	Shaft, Vert.
24		5/8"	10'-9"	Counterfort, Vert.
49		5/8"	11'-0"	Footings & Shaft, Hor.
19		5/8"	16'-11"	N. Shaft, Vert.
17		5/8"	17'-4"	S. "
19		5/8"	17'-8"	S. "
17		5/8"	18'-2"	S. "
6		5/8"	30'-0"	Cross Beam
21		5/8"	33'-0"	N. Shaft, Hor.
21		5/8"	33'-6"	S. "
4		5/8"	33'-0"	N. Curb Beam
5		5/8"	33'-5"	S. "
17	41	5/8"	8'-5"	Ties, S. Curb Beam
17	42	5/8"	7'-6"	" "
6	Straight	5/8"	30'-0"	Cross Beams
12	"	5/8"	13'-0"	End Counterforts
12	"	5/8"	18'-0"	" "
6	"	5/8"	13'-0"	Middle "
6	"	5/8"	18'-0"	" "
12	"	5/8"	32'-0"	End Cross Beam
8	"	5/8"	32'-0"	Middle "
12	511	5/8"	3'-5"	Counterfort
12	512	5/8"	2'-11"	" "
4.4	513	5/8"	22'-10"	Shaft Hor.

ITEM	QUANTITY	UNIT
Reinforcing Steel	12,850	Lbs.
Concrete Masonry - Shaft	89	Cu. Yds.
Concrete Masonry - Footing	11	Cu. Yds.
16 Oz. Copper Strip	30	Lin. Ft.
Trench Excavation	71	Cu. Yds.

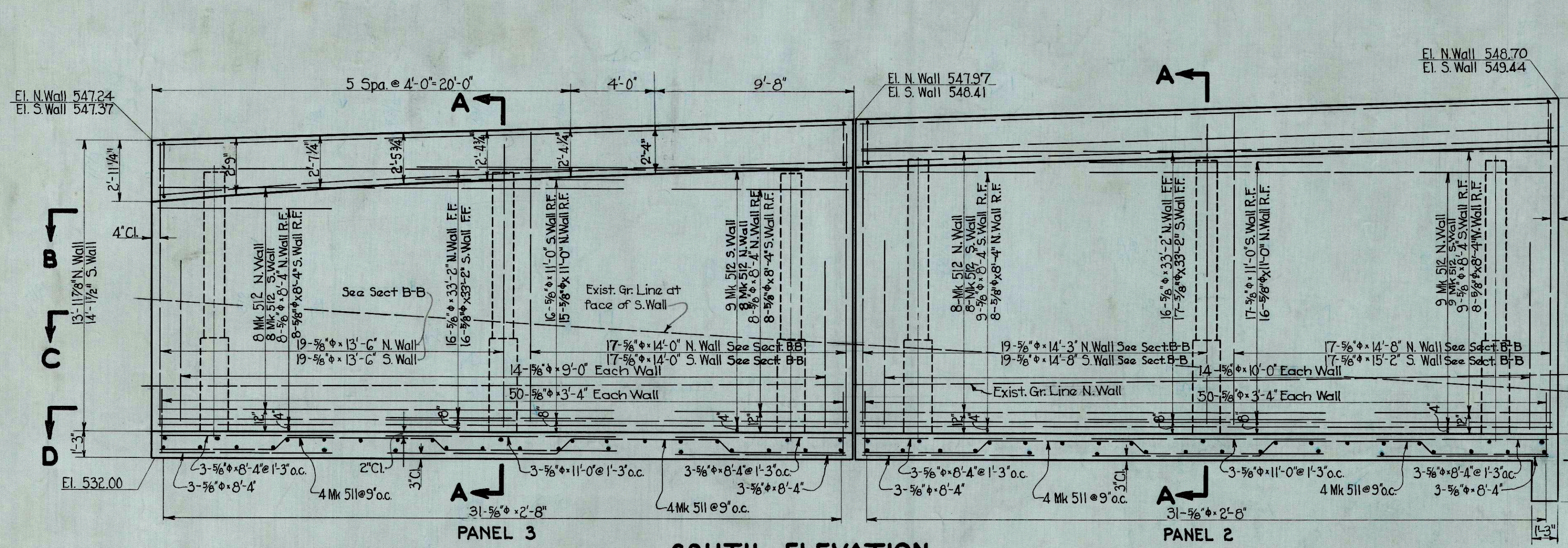
CONTRACT DRAWING
PRINTS NOT BEARING THIS STAMP
WERE MADE PRIOR TO ADVERTISING
FOR BIDS AND ARE TO BE CONSIDERED
OBSOLETE FOR CONTRACT PURPOSES.

Note: All exposed edges
1/2" Bevel except as noted.

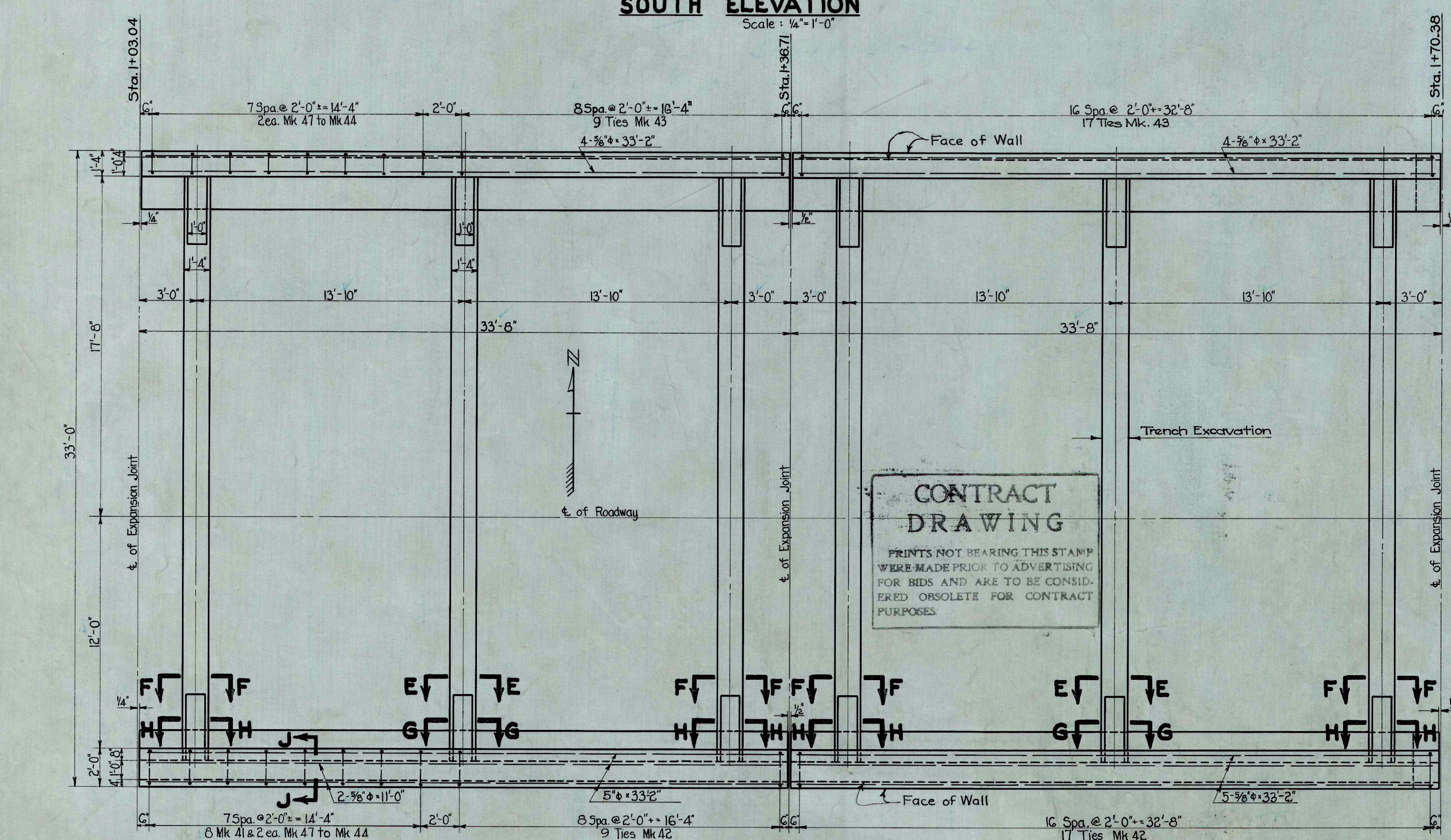
CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
**PROPOSED WIDENING & IMPROVEMENT
SEVENTH ST.
MAIN ST. TO CULVERT ST.
RAMP CONN. TO GILBERT AVE. VIADUCT
APPROACH WALLS - PANEL I**

SCALE: AS SHOWN
MARCH 1, 1945
ISSUE 1
SUBMITTED *R. B. Savie*
PRINCIPAL ENGINEER - STRUCTURES
RECOMMENDED *R. B. Savie*
DIRECTOR OF PUBLIC WORKS
APPROVED *W. H. K. K. K.*
CITY ENGINEER
APPROVED *W. H. K. K. K.*
CITY MANAGER

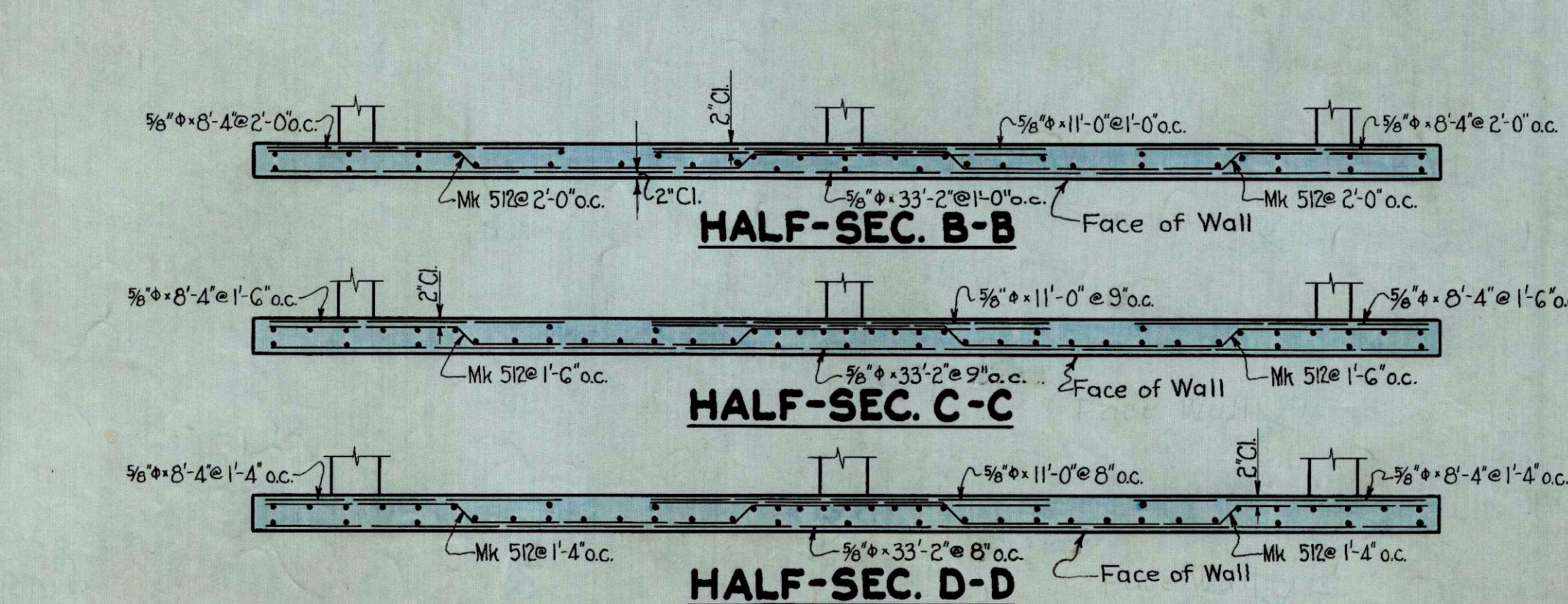
ACC. NO 26164



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



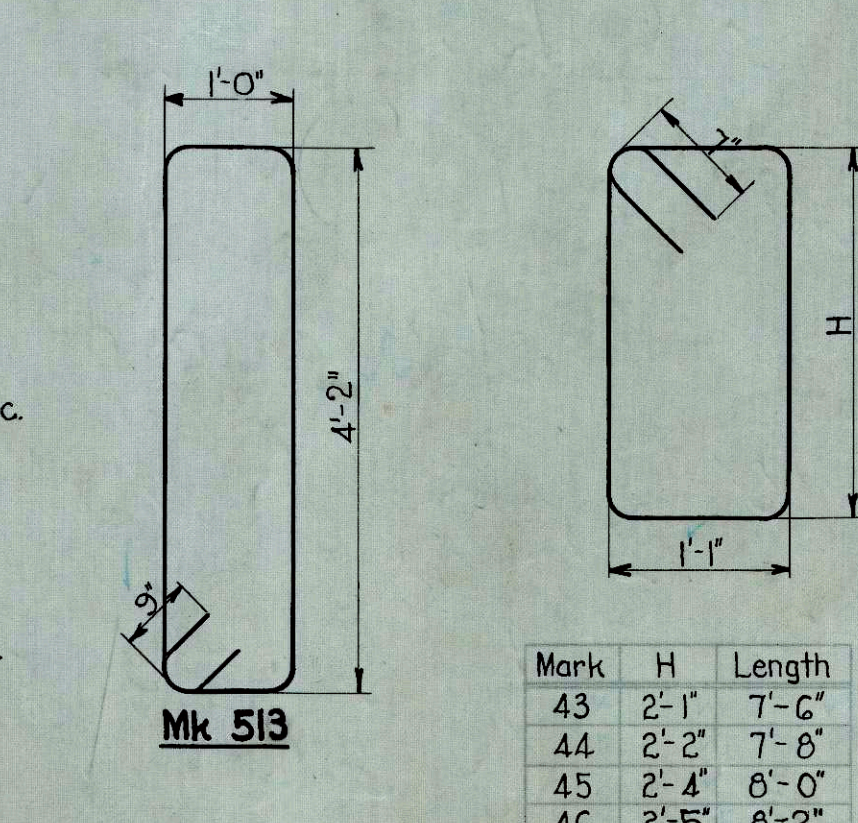
PLAN
Scale: 1/4" = 1'-0"



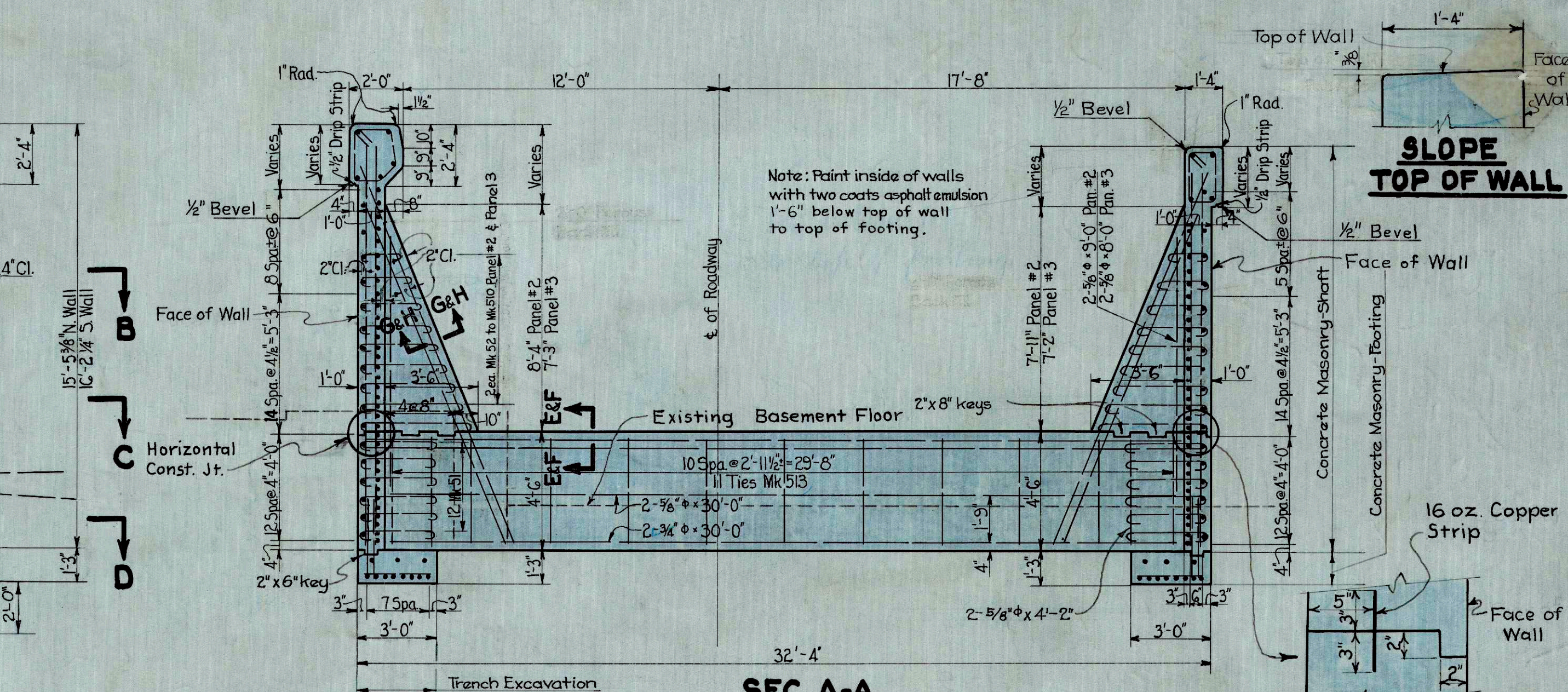
HALF-SEC. B-B

HALF-SEC. C-C

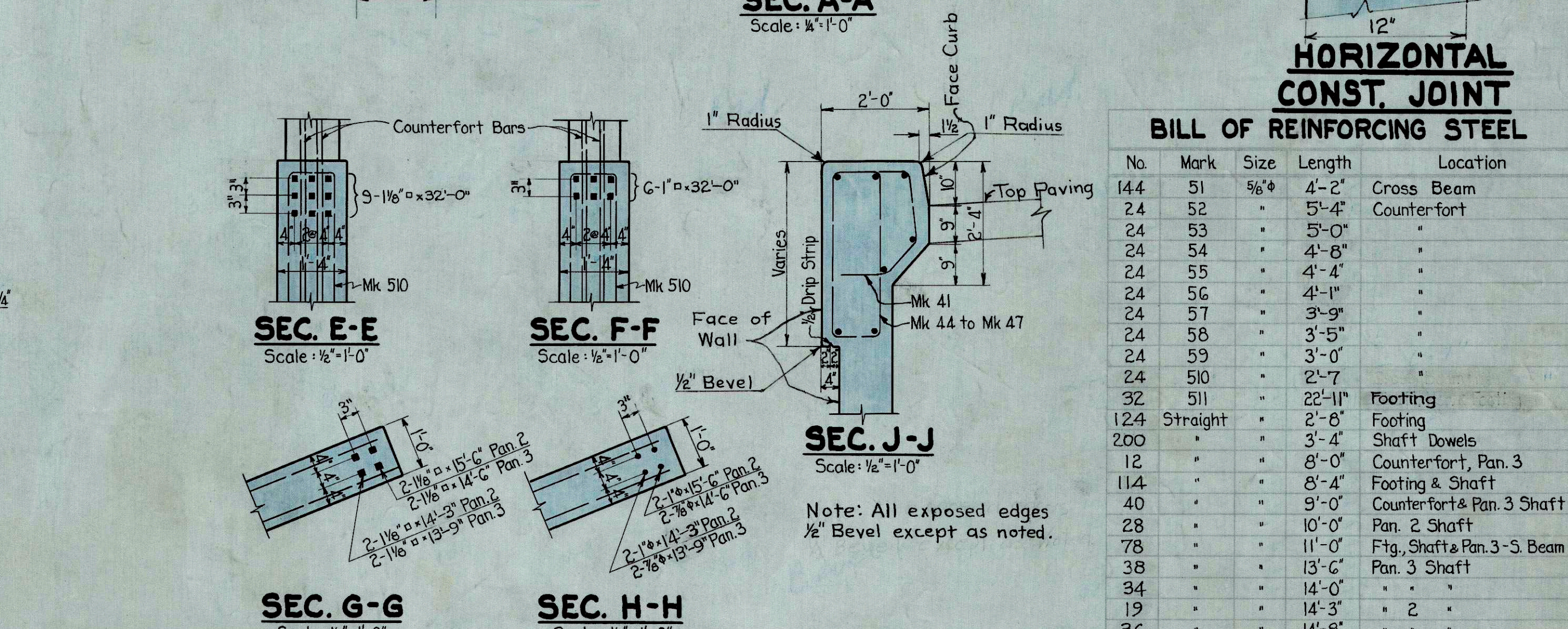
HALF-SEC. D-D



COPPER STRIP DETAIL
Scale: 1/2" = 1'-0"



SEC. A-A
Scale: 1/4" = 1'-0"



SEC. E-E
Scale: 1/2" = 1'-0"

SEC. F-F
Scale: 1/2" = 1'-0"

SEC. G-G
Scale: 1/2" = 1'-0"

SEC. H-H
Scale: 1/2" = 1'-0"

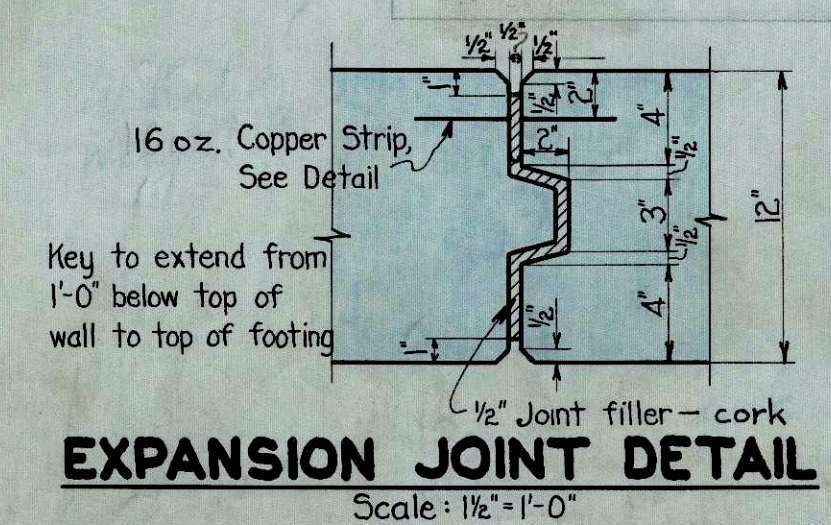
SEC. J-J
Scale: 1/2" = 1'-0"

BILL OF REINFORCING STEEL

No.	Mark	Size	Length	Location
144	51	3/8"	4'-2"	Cross Beam
24	52	"	5'-4"	Counterfort
24	53	"	5'-0"	"
24	54	"	4'-8"	"
24	55	"	4'-4"	"
24	56	"	4'-1"	"
24	57	"	3'-9"	"
24	58	"	3'-5"	"
24	59	"	3'-0"	"
24	510	"	2'-7"	"
32	511	"	22'-11"	Footings
124	Straight	"	2'-8"	Footings
200	"	"	3'-4"	Shaft Dowels
12	"	"	8'-0"	Counterfort, Pan. 3
114	"	"	8'-4"	Footings & Shaft
40	"	"	9'-0"	Counterfort & Pan. 3 Shaft
28	"	"	10'-0"	Pan. 2 Shaft
78	"	"	11'-0"	Fig. Shaft & Pan. 3-S. Beam
38	"	"	13'-6"	Pan. 3 Shaft
34	"	"	14'-0"	"
19	"	"	14'-3"	"
36	"	"	14'-6"	"
17	"	"	15'-2"	"
12	"	"	30'-0"	Cross Beam
83	"	"	33'-2"	Shaft & Beams
8	41	1/2"	4'-7"	S. Curb Beam, Pan. 3
26	42	"	8'-4"	Ties, S. Curb Beam
26	43	"	7'-6"	"
4	44	"	7'-8"	"
4	45	"	8'-0"	"
4	46	"	8'-2"	"
4	47	"	8'-6"	"
12	Straight	3/8"	30'-0"	Cross Beam
8	"	7/8"	13'-9"	End Counterforts, Pan. 3
8	"	1"	14'-6"	"
8	"	1"	14'-3"	"
8	"	1"	15'-6"	"
24	"	1"	32'-0"	End Cross Beam
4	"	1 1/8"	13'-9"	Middle Counterfort Pan. 3
4	"	"	14'-3"	"
4	"	"	14'-6"	"
4	"	"	15'-6"	"
16	"	"	32'-0"	Middle Cross Beam
67	512	5/8"	22'-10"	Shaft Hor.
66	513	"	11'-10"	Cross Beam Ties
24	Straight	"	4'-2"	"

ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT
Reinforcing Steel	22,000	Lbs.
Concrete Masonry - Shaft	12.8	Cu. Yds.
Footings	19	Cu. Yds.
16 Oz. Copper Strip	50	Lin. Ft.
Trench Excavation	88	Cu. Yds.



EXPANSION JOINT DETAIL
Scale: 1/2" = 1'-0"

CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

**PROPOSED WIDENING & IMPROVEMENT
SEVENTH ST.
MAIN ST. TO CULVERT ST.
RAMP CONN. TO GILBERT AVE. VIADUCT
APPROACH WALLS - PANELS 2&3**

SCALES: AS SHOWN MARCH 1, 1943 ISSUE I

SUBMITTED *D. H. McLaughlin*
PRINCIPAL ENGINEER - STRUCTURES

RECOMMENDED *R. B. Barvis*
DIRECTOR OF PUBLIC WORKS

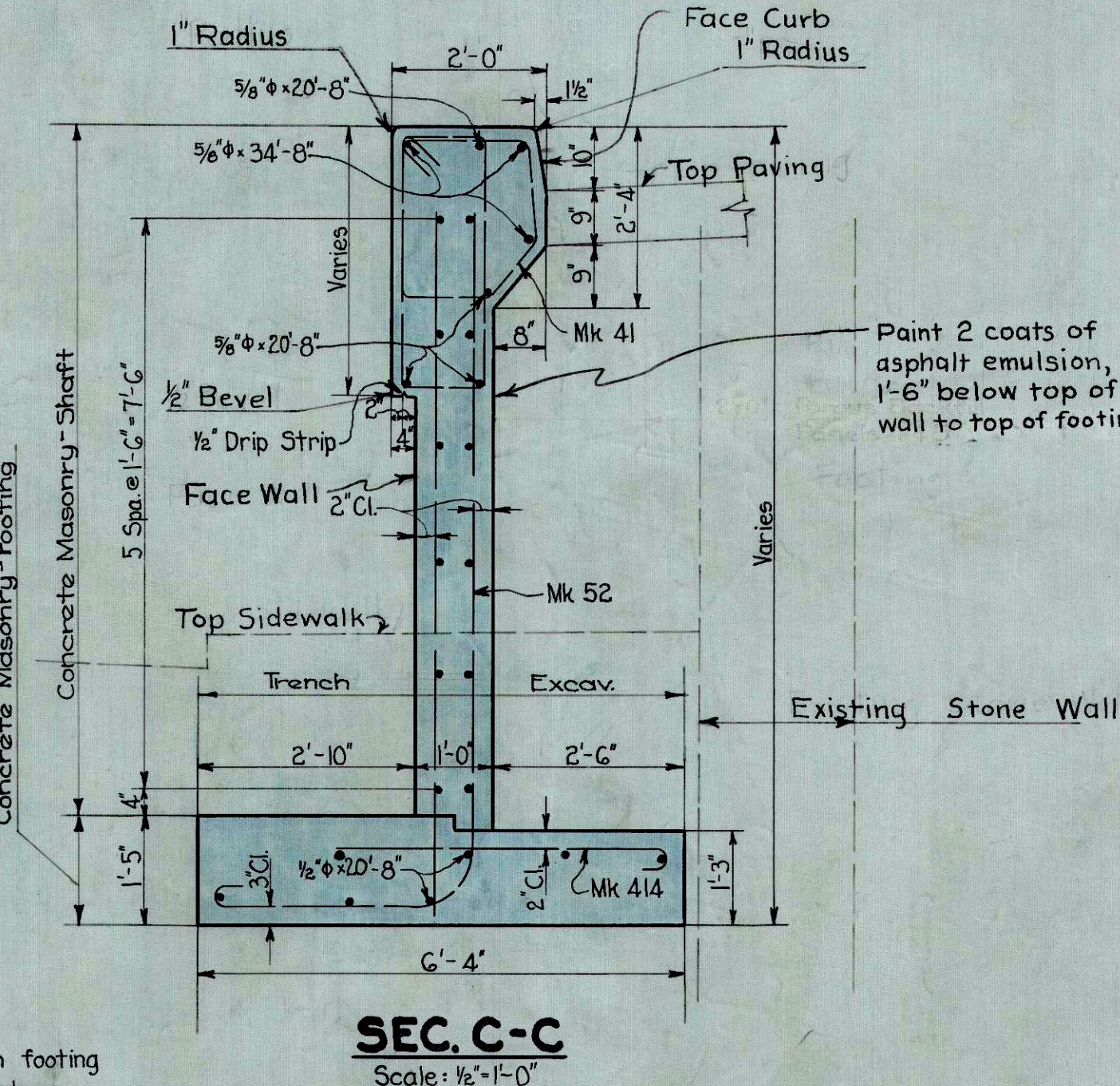
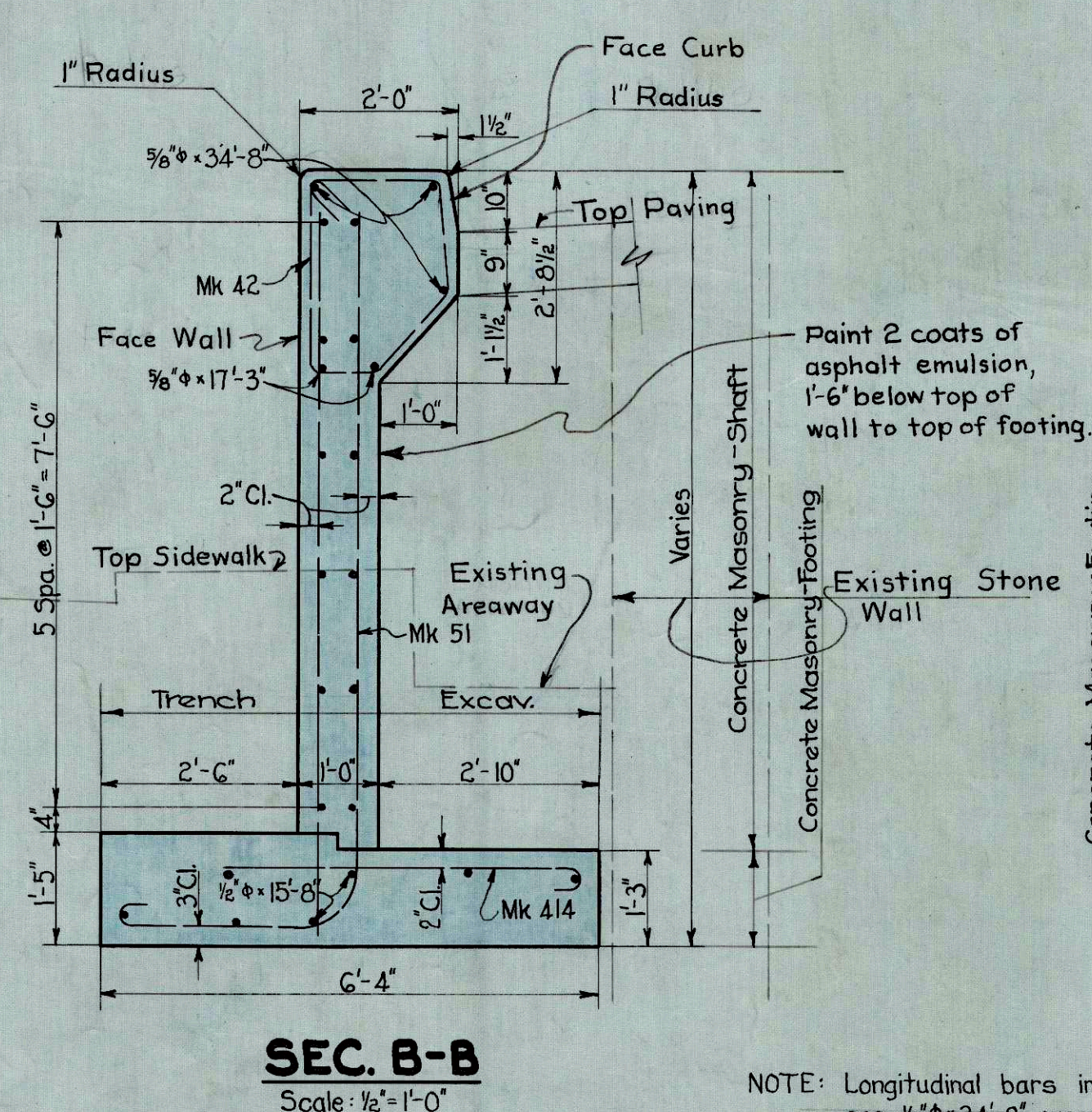
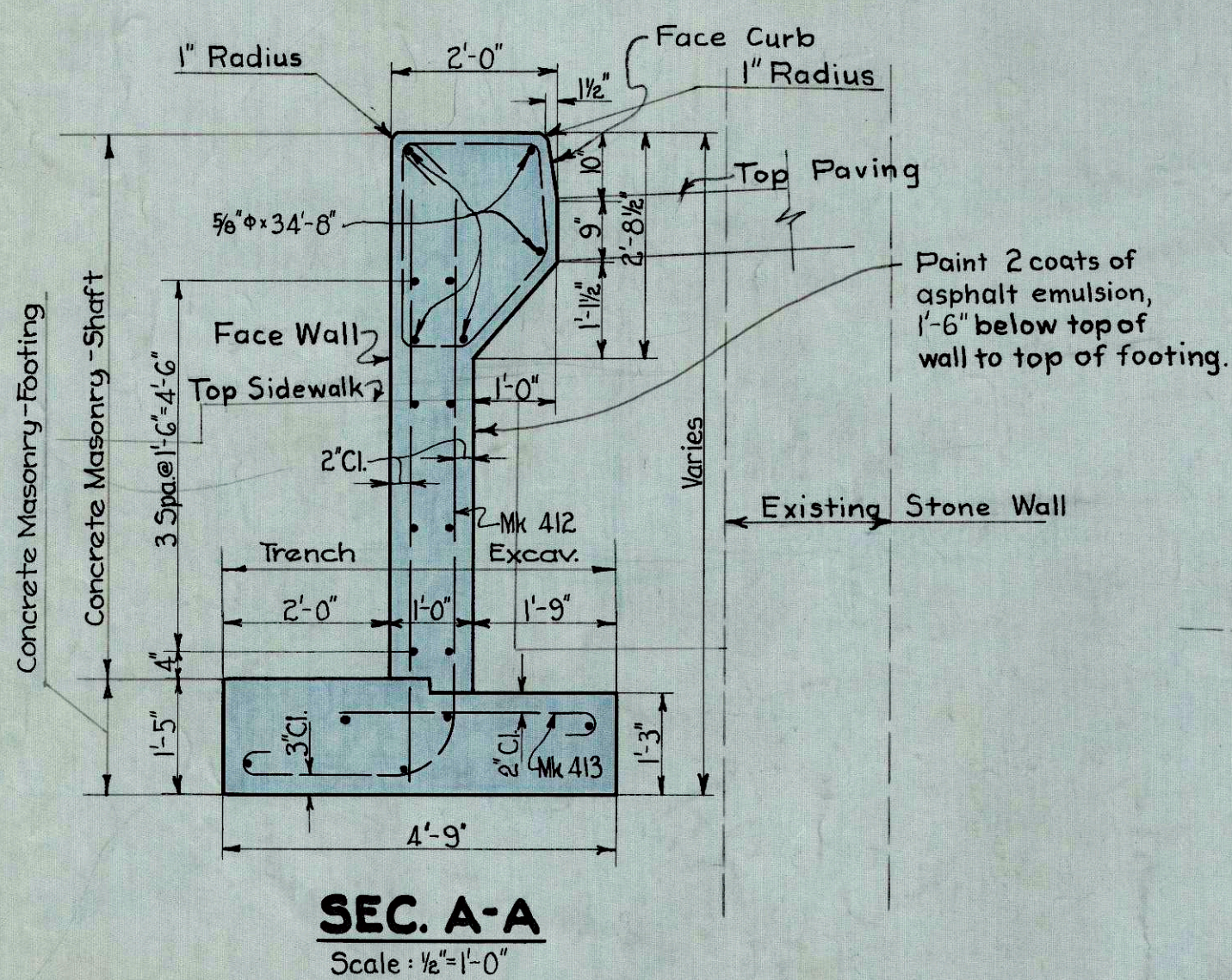
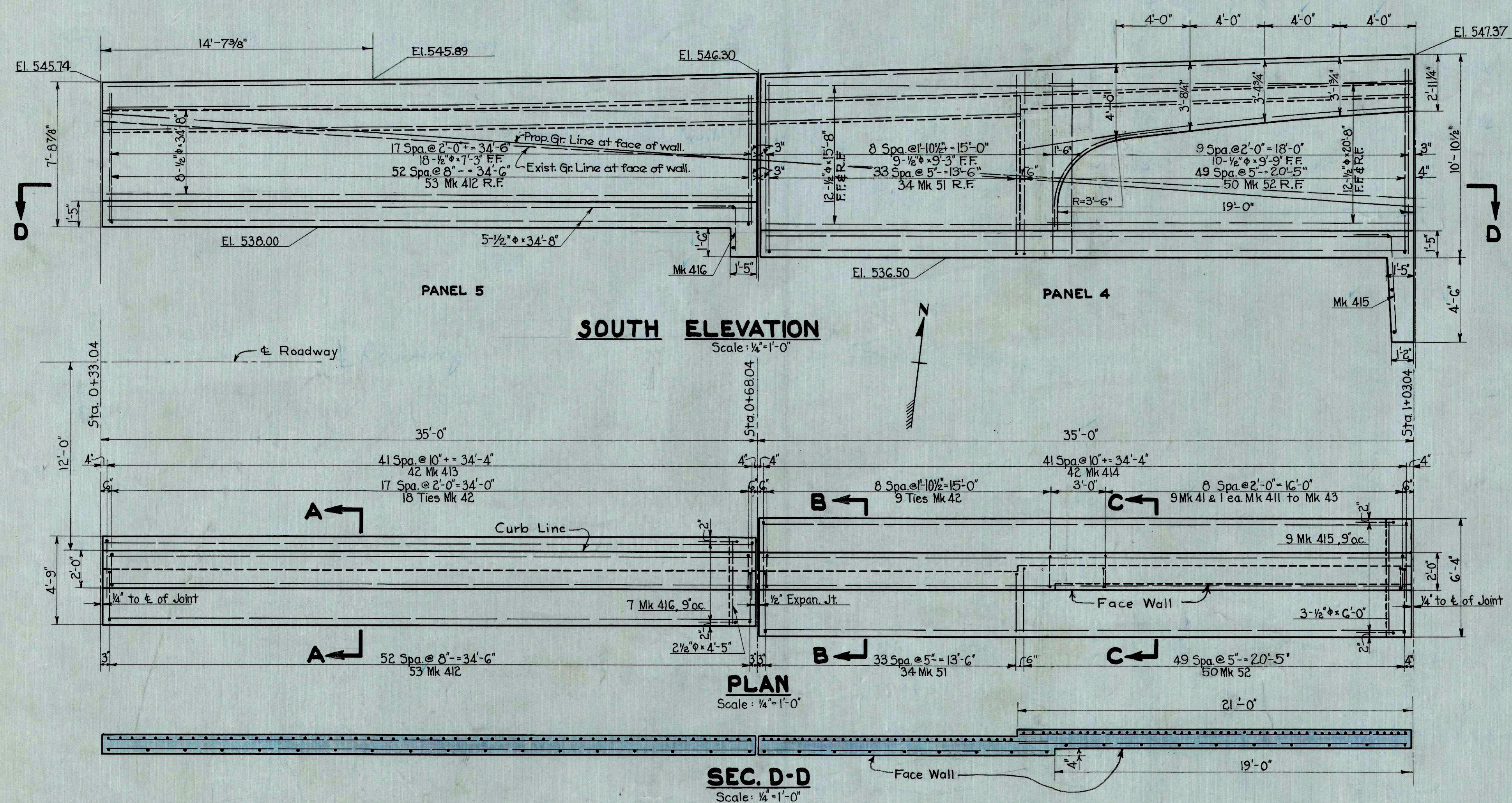
APPROVED *W. H. H. H.*
CITY ENGINEER

ACC. NO 26165

Designed L.D.B.
Drawn R.M.B.
Checked W.F.H.
Traced W.A.F.
Reviewed P. G. Gully

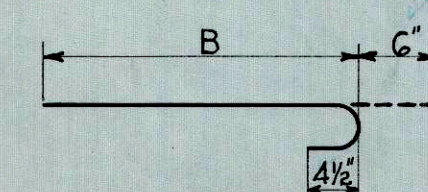
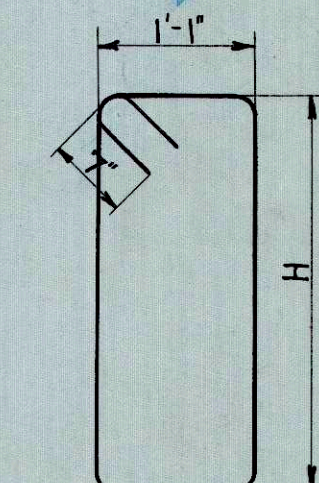
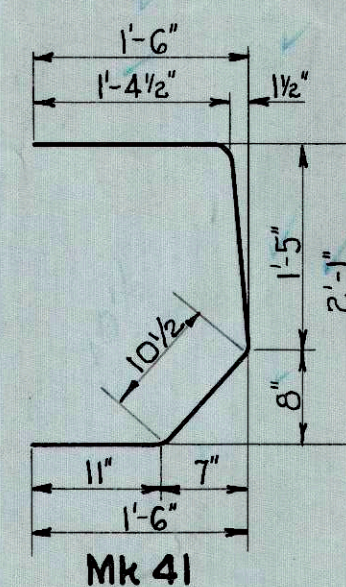
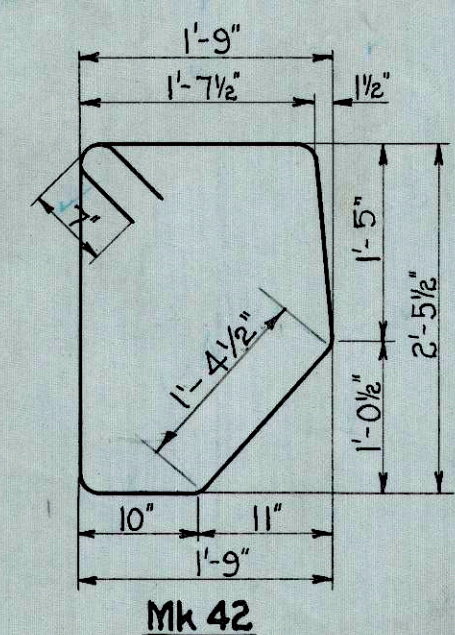
Mark	H	Length
43	2'-1"	7'-6"
44	2'-2"	7'-8"
45	2'-4"	8'-0"
46	2'-5"	8'-2"
47	2'-7"	8'-6"

Issue	Revision	Date	Sig.	Sig.



Mark	A	B	C	D	Length
412	7'-3"	2'-7"	6"	4 1/2"	10'-0"
51	9'-3"	3'-1"	7"	5"	12'-7"
52	9'-9"	3'-5"	7"	5"	13'-5"

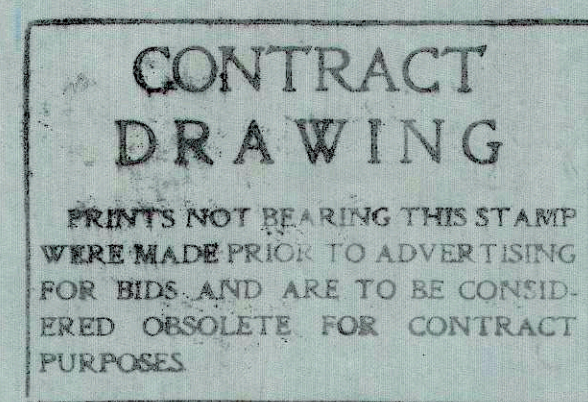
Mark	B	Length
413	3'-5"	3'-11"
414	4'-6"	5'-0"



Mark	H	Length
412	7'-3"	8'-7"
44	2'-9"	8'-10"
45	2'-10"	9'-0"
46	2'-11 1/2"	9'-3"
47	3'-1"	9'-6"
48	3'-3"	9'-10"
49	3'-4 1/2"	10'-1"
410	3'-6 1/2"	10'-5"
411	3'-9"	10'-10"

BILL OF REINFORCING STEEL				
No.	Mark	Size	Length	Location
9	41	1/2"	4'-7"	Beam Ties, Panel 4
27	42	"	8'-10"	"
1	43	"	8'-7"	"
1	44	"	8'-10"	"
1	45	"	9'-0"	"
1	46	"	9'-3"	"
1	47	"	9'-6"	"
1	48	"	9'-10"	"
1	49	"	10'-1"	"
1	410	"	10'-5"	"
1	411	"	10'-10"	"
53	412	"	10'-0"	Shaft, Panel 5
42	413	"	3'-11"	Footings
42	414	"	5'-0"	"
9	415	"	7'-0"	"
7	416	"	4'-1"	"
2	Straight	"	4'-5"	"
3	"	"	6'-0"	"
18	"	"	7'-3"	Shaft
9	"	"	9'-3"	"
10	"	"	9'-9"	"
14	"	"	15'-8"	Shaft & Footings, Panel 4
14	"	"	20'-8"	"
18	"	"	34'-8"	Footings 4 & 5, Shaft 5
34	51	3/8"	12'-7"	Shaft, Panel 4
50	52	"	13'-5"	"
1	53	"	8'-6"	Beam
2	Straight	"	17'-3"	"
4	"	"	20'-8"	"
8	"	"	34'-8"	" 4 & 5

ESTIMATED QUANTITIES		
ITEM	QUANTITY	UNIT
Reinforcing Steel	3470	Lbs.
Concrete Masonry - Shaft	27	Cu. Yds.
" " Footings	21	Cu. Yds.
16 Oz. Copper Strip	6	Ft.
Trench Excavation	61	Cu. Yds.



CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

**PROPOSED WIDENING & IMPROVEMENT
SEVENTH ST.
MAIN ST. TO CULVERT ST.
RAMP CONN. TO GILBERT AVE. VIADUCT
APPROACH WALL - PANELS 4 & 5**

SCALE: AS SHOWN
MARCH 1, 1949
ISSUE 1

SUBMITTED: *M. M. M. M.*
PRINCIPAL ENGINEER - STRUCTURES

RECOMMENDED: *R. B. Barvis*
DIRECTOR OF PUBLIC WORKS

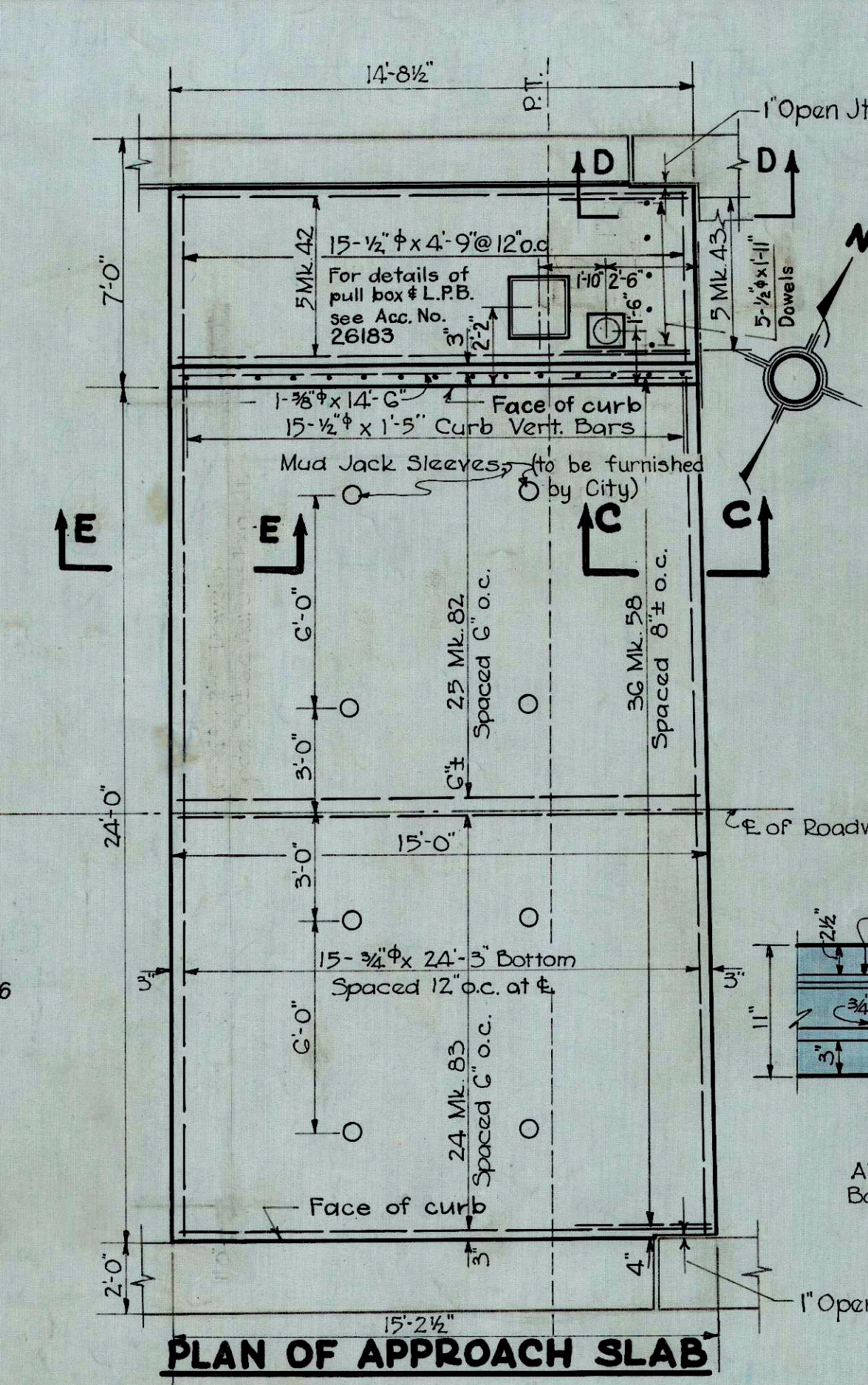
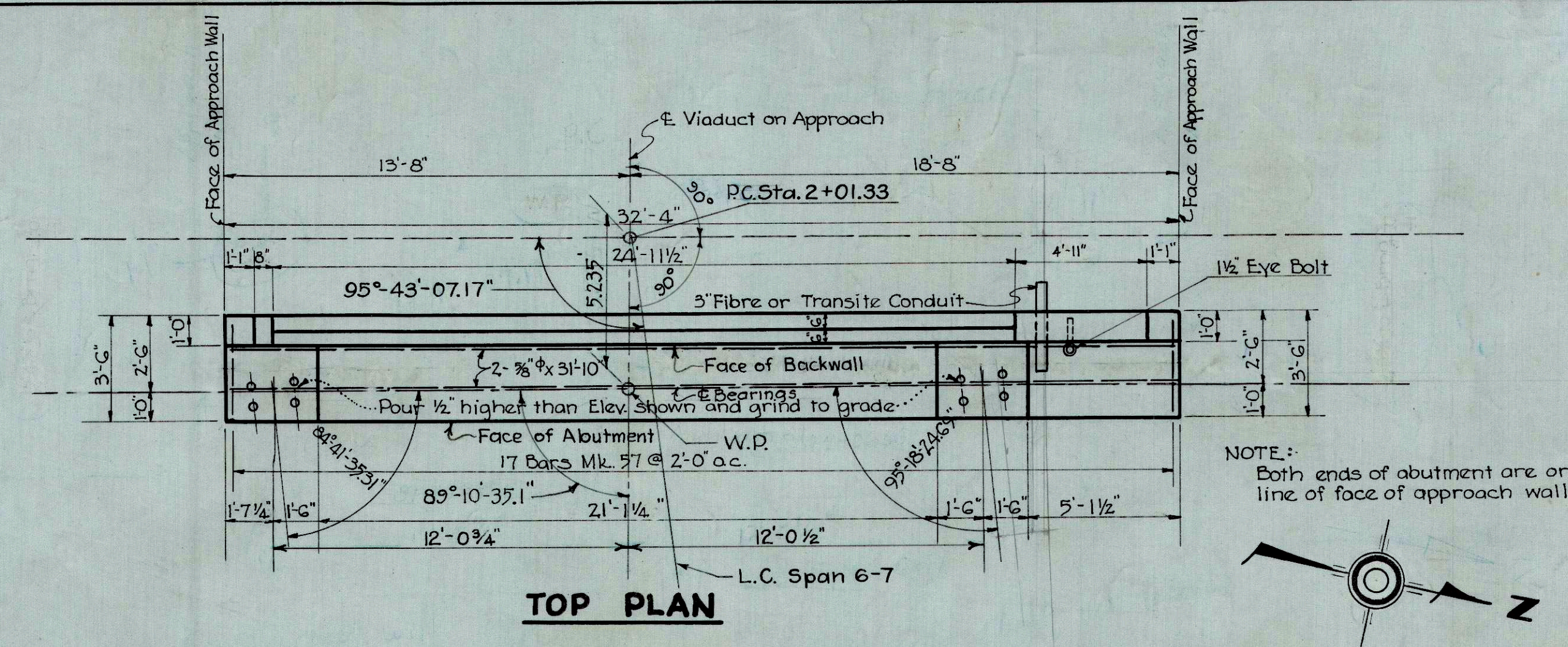
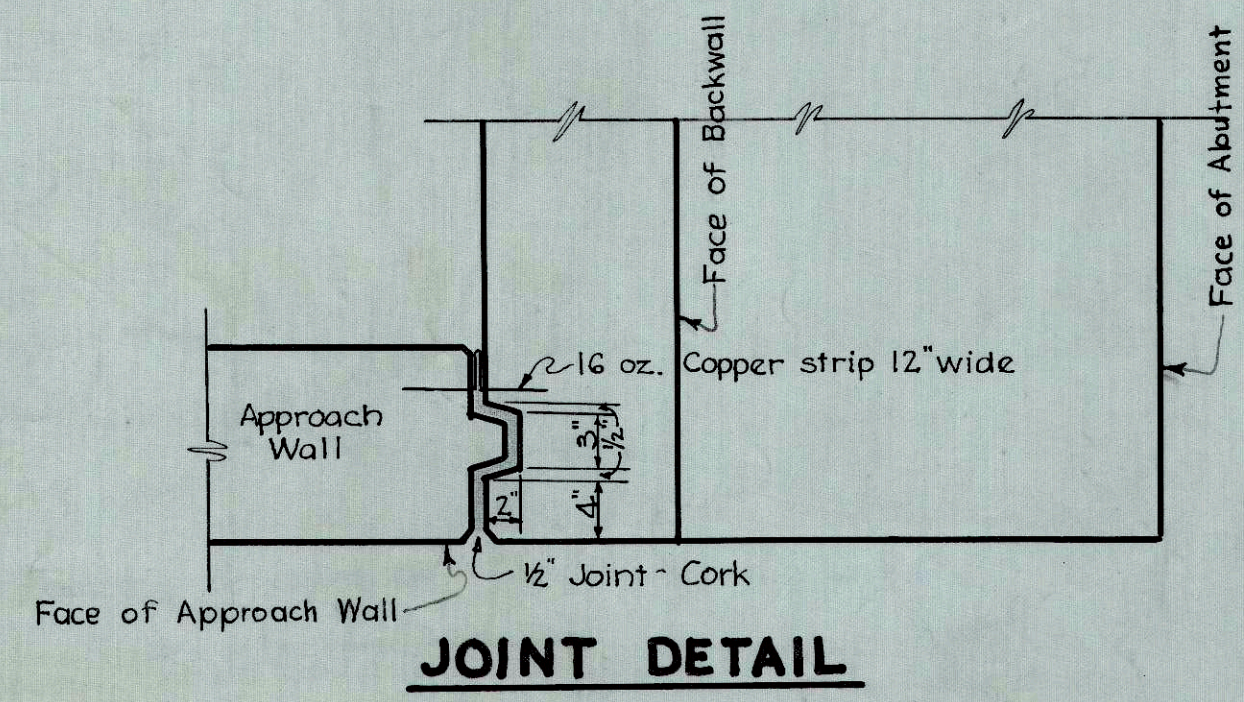
RECOMMENDED: *H. H. H. H.*
CITY ENGINEER

APPROVED: *W. W. W. W.*
CITY MANAGER

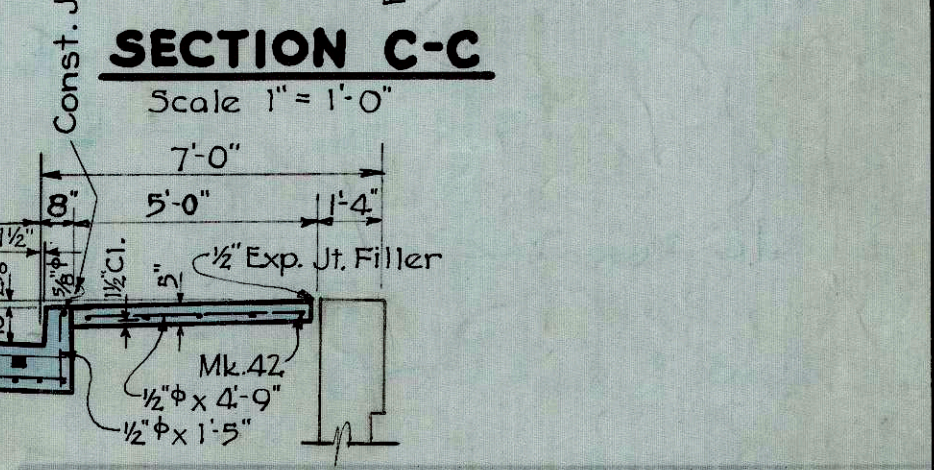
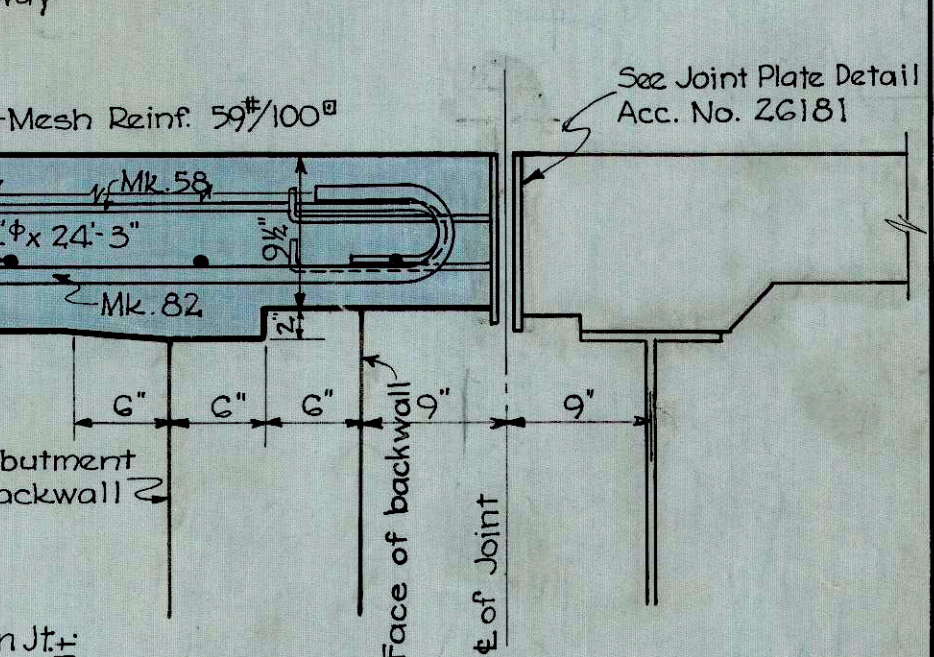
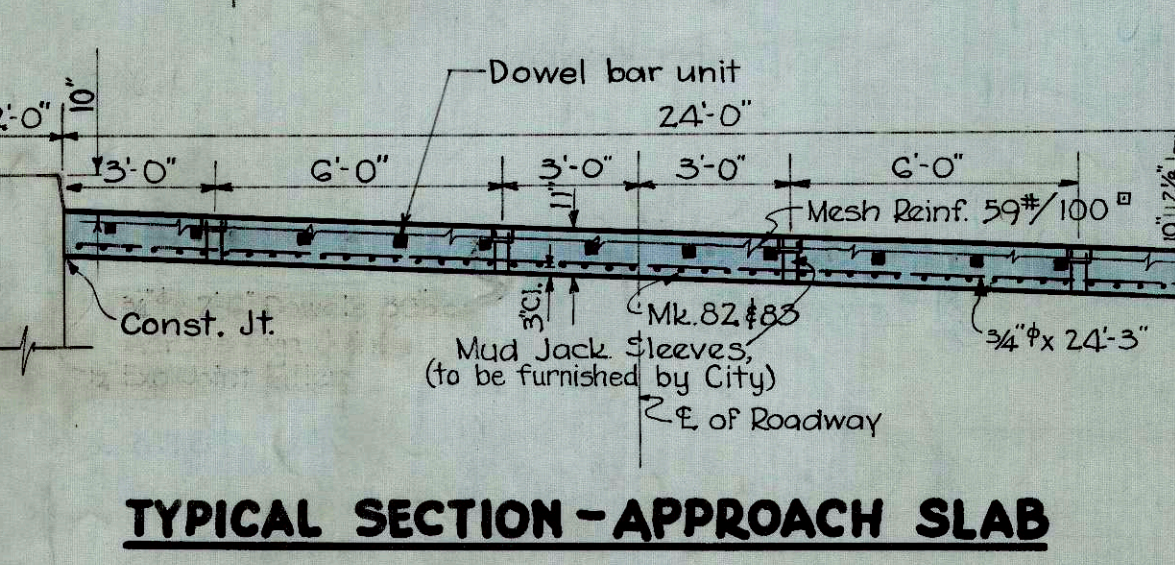
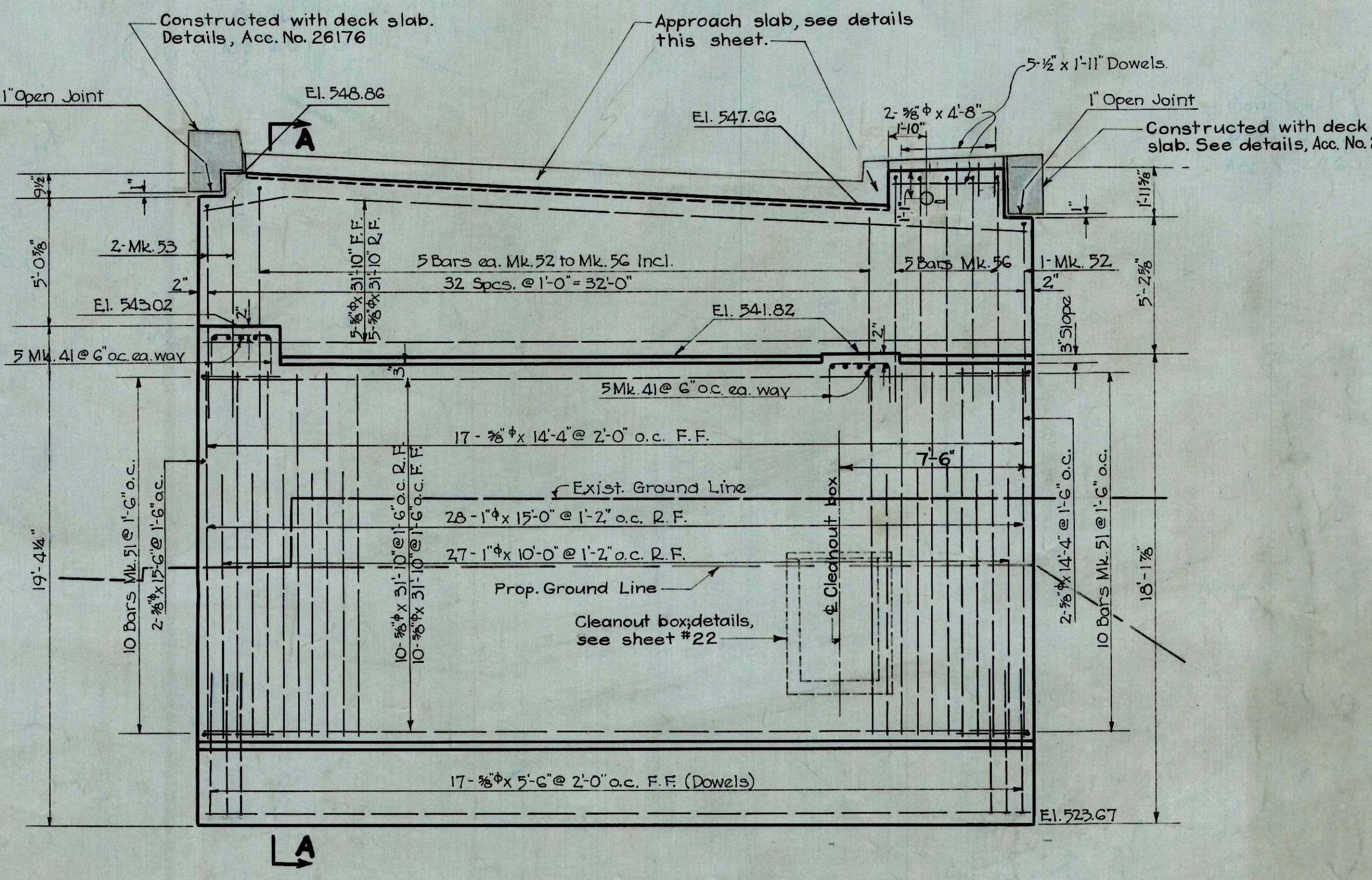
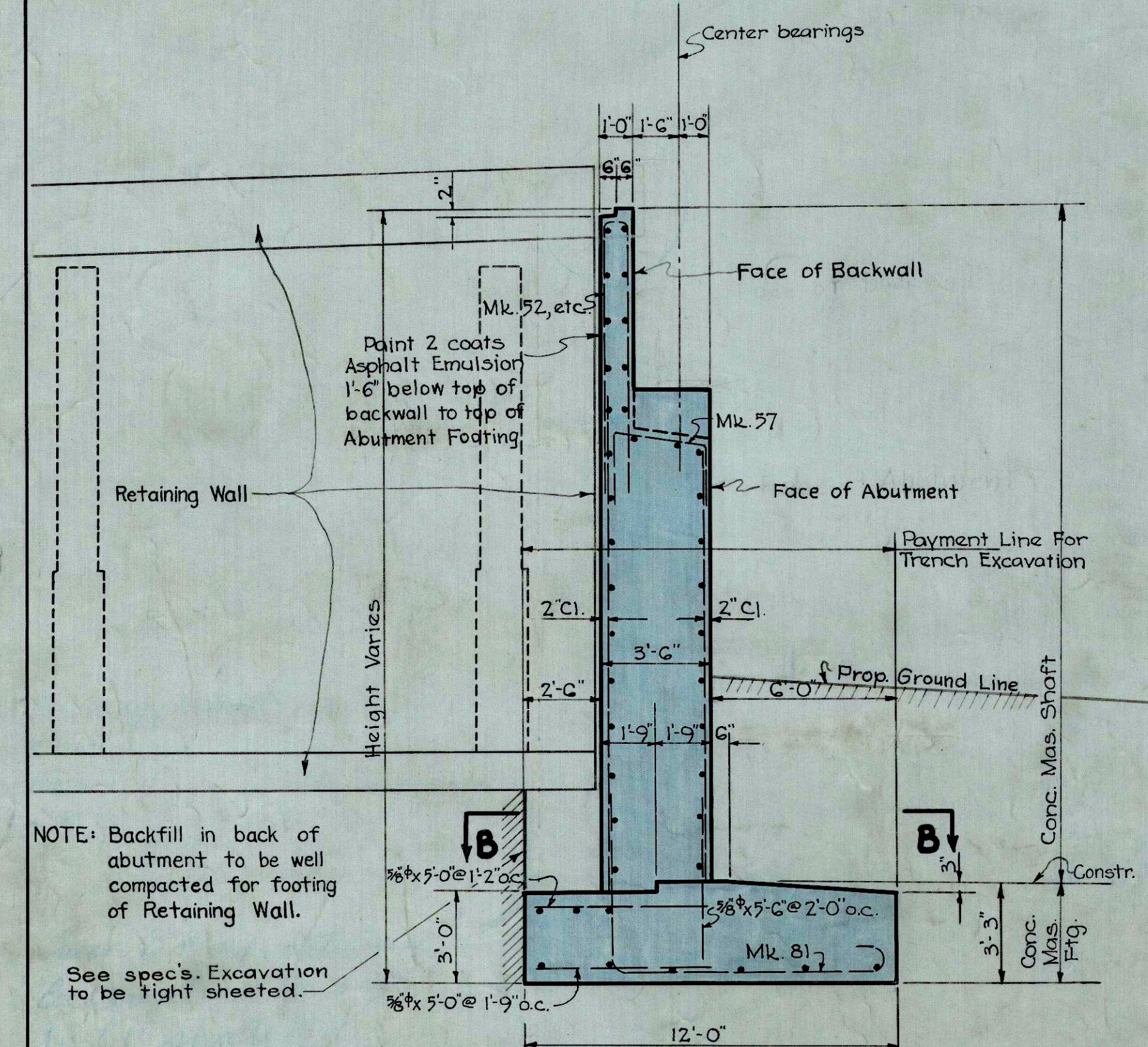
ACC. NO 26166

Issue	Revision	Date	Sig.	Sig.

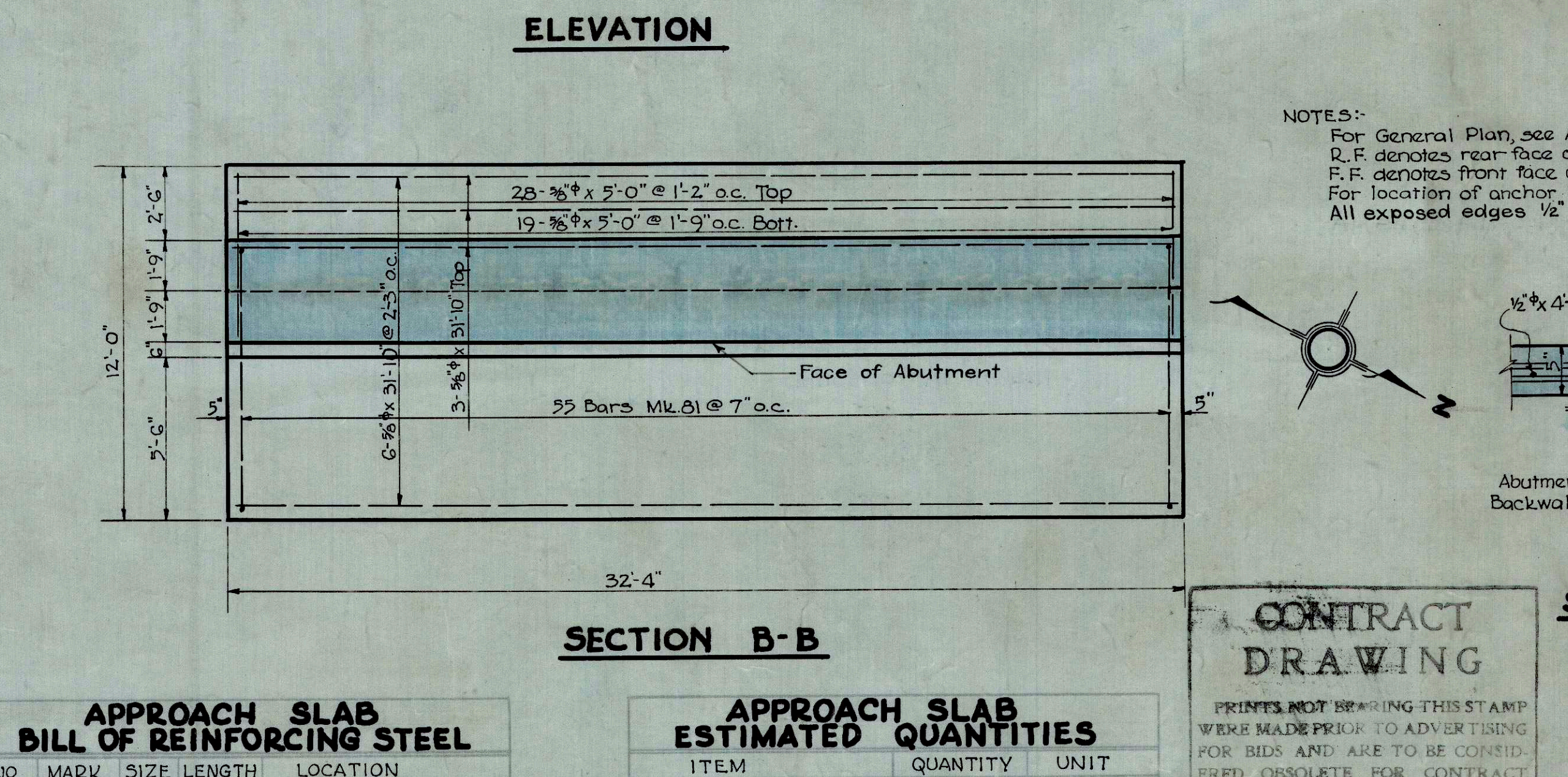
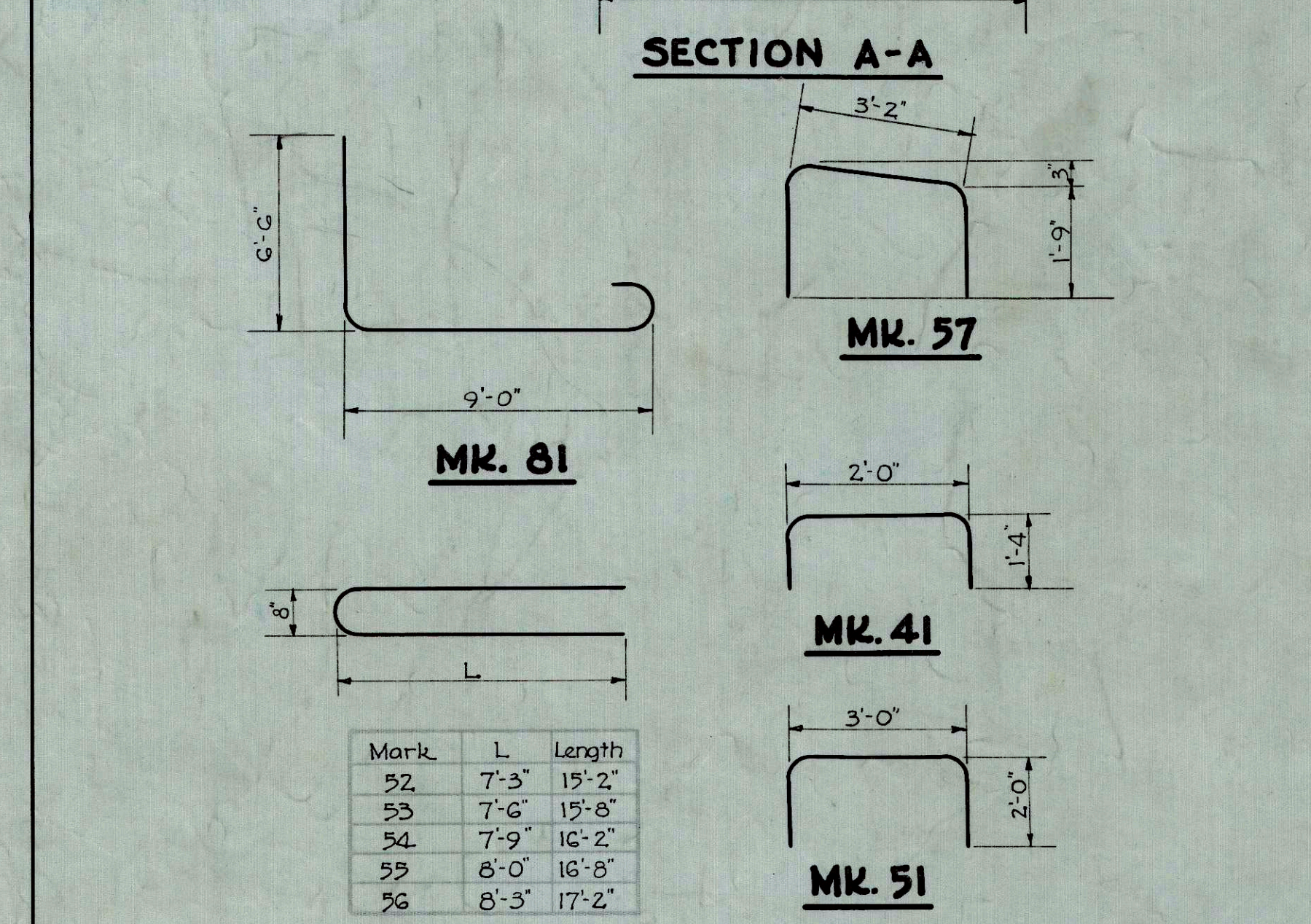
22-2-G



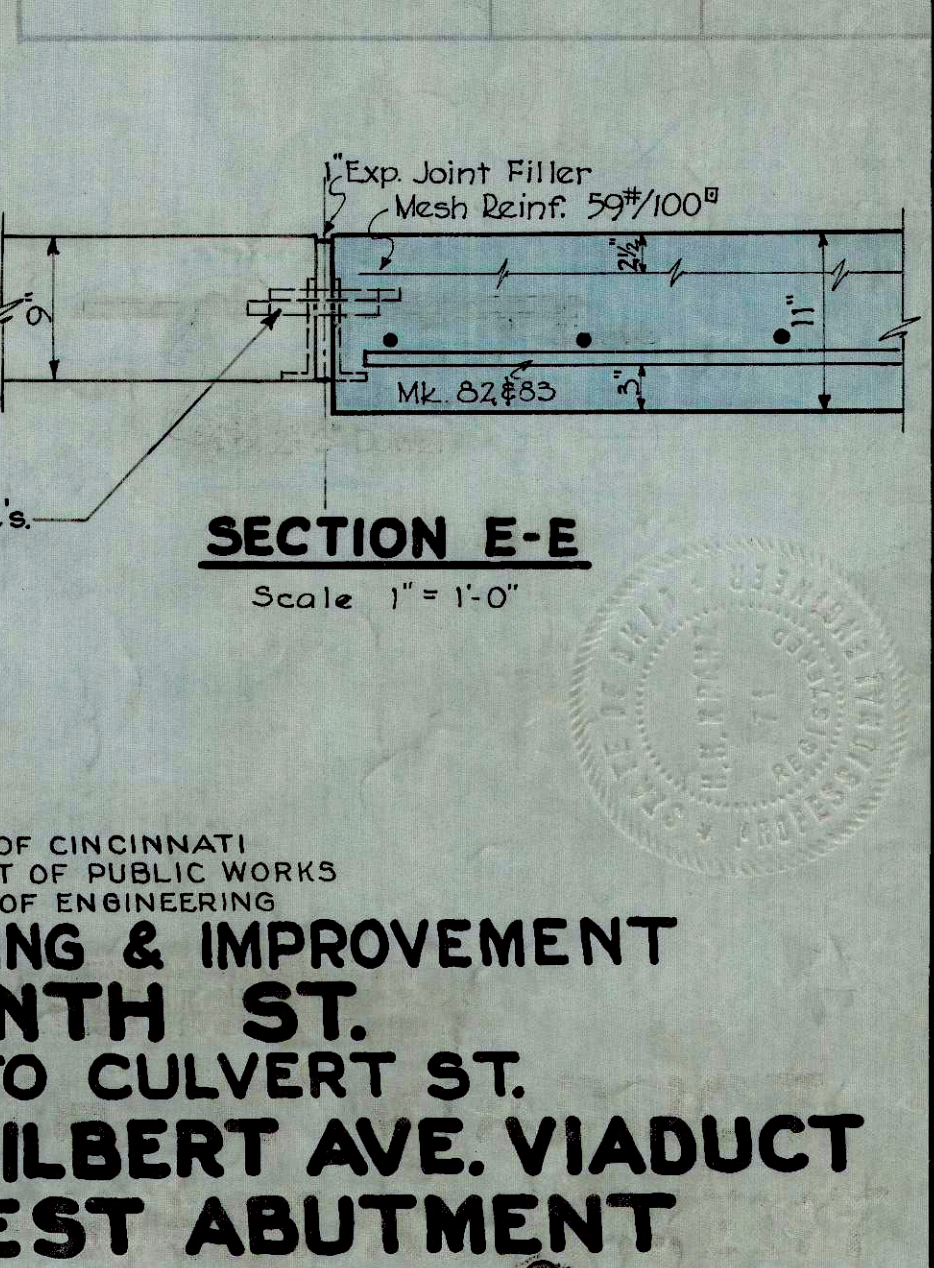
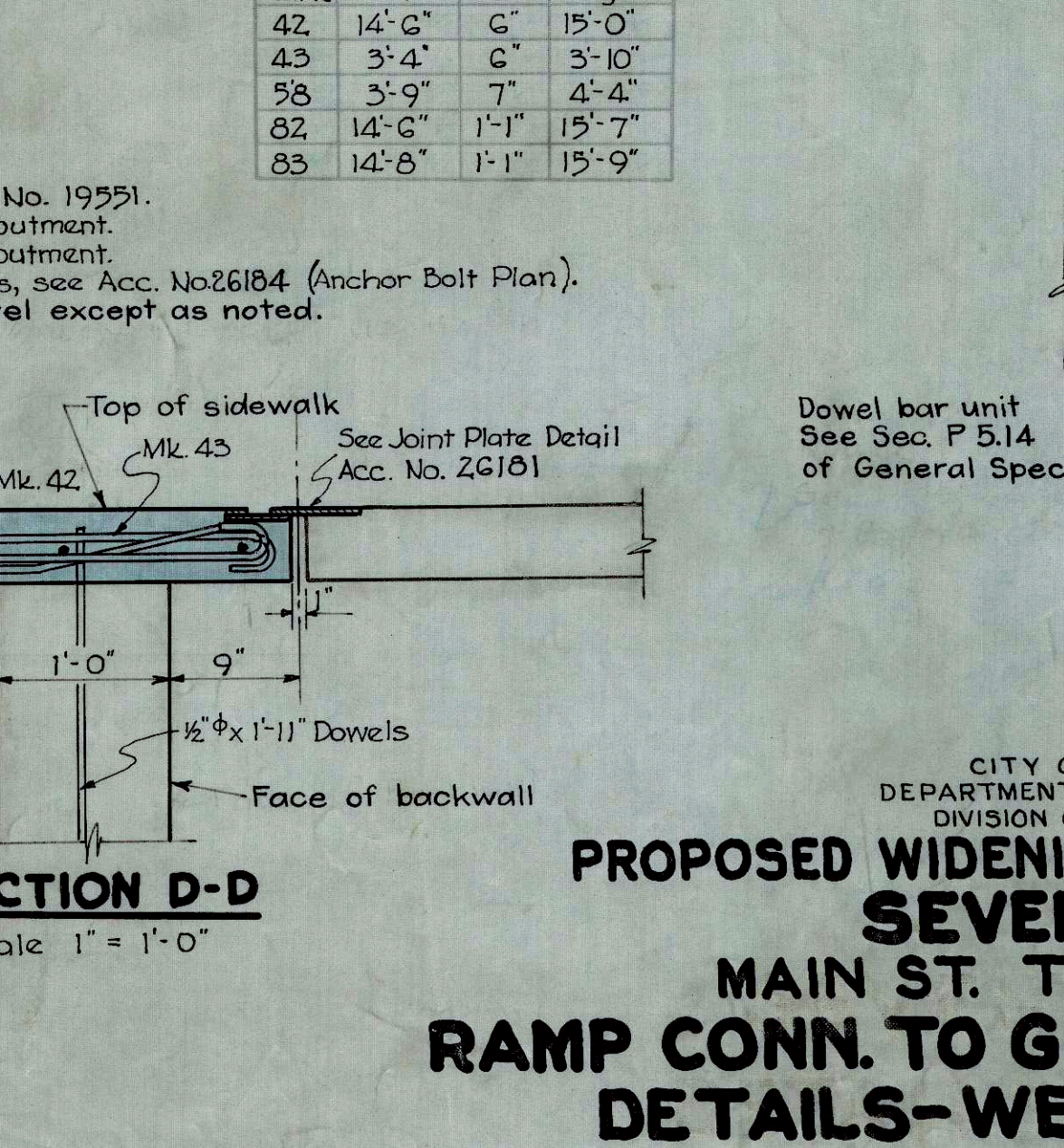
No.	Mark	Size	Length	Location
55	81	1"φ	16'-8"	Footings
28	Straight	"	15'-0"	Shaft (main reinf.)
27	"	"	10'-0"	"
20	51	3/8"	7'-0"	Shaft (ends)
2	Straight	"	15'-6"	" (end)
2	"	"	14'-4"	"
17	"	"	5'-0"	" F.F.
17	"	"	5'-0"	"
28	"	"	5'-0"	Footings - Top
19	"	"	"	" - Bott.
41	"	"	31'-10"	Footings, Shaft & Backwl.
2	"	"	4'-8"	Backwl. - Top
6	52	"	15'-2"	" - Vert.
7	53	"	15'-8"	"
5	54	"	16'-2"	"
5	55	"	16'-8"	"
10	56	"	17'-2"	"
17	57	"	6'-11"	Top of Shaft.
20	41	1/2"	4'-8"	Bridge seats.
5	Str.	"	1'-11"	Dowels in Sidewalk.



ITEM	QUANTITY	UNIT
Trench Excavation	178	Cu. Yd.
Footings Concrete	45	" "
Shaft	71.0	" "
Reinforcing Steel	7220	Lbs.
16oz. Copper Strip 12" wide	36	Lin. Ft.



Mark	A	B	Length
42	14'-6"	6"	15'-0"
43	3'-4"	6"	3'-10"
58	3'-9"	7"	4'-4"
62	14'-6"	1'-1"	15'-7"
83	14'-8"	1'-1"	15'-9"



Mark	L	Length
52	7'-3"	15'-2"
53	7'-6"	15'-8"
54	7'-9"	16'-2"
55	8'-0"	16'-8"
56	8'-3"	17'-2"

NO.	MARK	SIZE	LENGTH	LOCATION
5	42	1/2"	15'-0"	Sidewalk Slab.
5	43	"	3'-10"	" " E. End.
15	Straight	"	1'-5"	N. Curb, Vert. Bars.
15	"	"	4'-9"	"
36	58	3/8"	4'-4"	Slab - E. End.
1	Straight	"	14'-6"	N. Curb
15	"	"	24'-3"	Slab
25	82	1"	15'-7"	"
24	83	"	15'-9"	"

ITEM	QUANTITY	UNIT
Concrete Pavement	41	Sq. Yds.
Reinforcing Steel	2940	Lbs.
Mud Jack Sleeves	8	Each
Joint Pls. Mk. RP-1	4	"
" Mk. AP	3	"
" Mk. CP-2	2	"
" Mk. SP-2	1	"
10' Integ. Conc. Curb	15	Lin. Ft.
5' One Course Sidewalk	75	Sq. Ft.

PROPOSED WIDENING & IMPROVEMENT SEVENTH ST. MAIN ST. TO CULVERT ST. RAMP CONN. TO GILBERT AVE. VIADUCT DETAILS-WEST ABUTMENT

SCALE: 1/4" = 1'-0", 1" = 1'-0"

MARCH 1, 1945

ISSUE 1

SUBMITTED: *J. M. Mullen* PRINCIPAL ENGINEER - STRUCTURES

RECOMMENDED: *R. G. Sarois* DIRECTOR OF PUBLIC WORKS

RECOMMENDED: *J. H. Frank* CITY ENGINEER

APPROVED: *W. H. K. King* CITY MANAGER

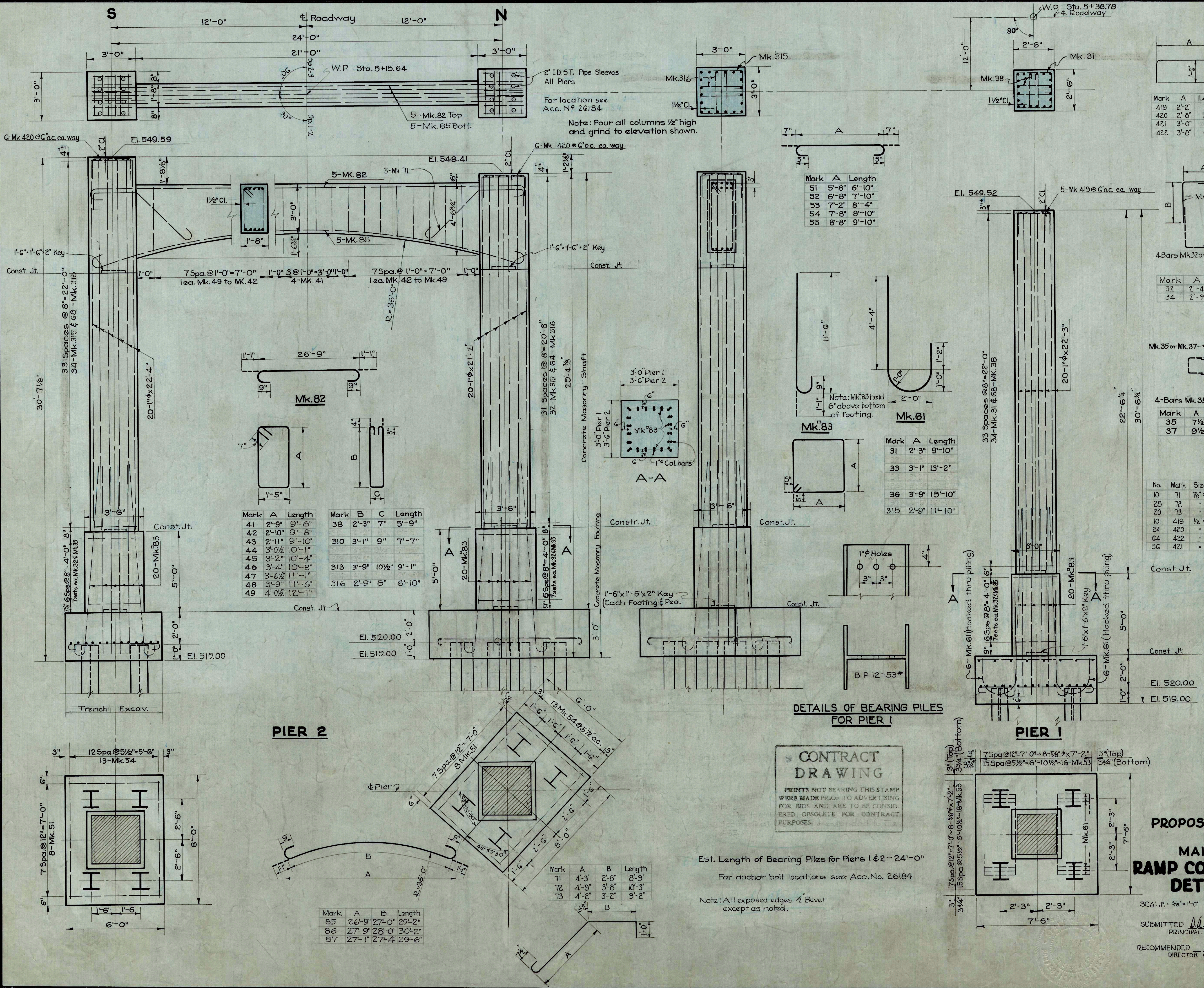
ACC. NO. 26168

Designed L.D.B.
Drawn C.M.H.
Checked W.W.T.
Traced E.S.B.
Reviewed H.L.K.

CONTRACT DRAWING

PRINTS NOT BEARING THIS STAMP WERE MADE PRIOR TO ADVERTISING FOR BIDS AND ARE TO BE CONSIDERED OBSOLETE FOR CONTRACT PURPOSES.

Designed W.W.T.
Drawn W.W.T.
Checked W.E.H.
Traced H.T.B.
Reviewed H.T.B.



BILL OF REINFORCING STEEL

No.	Mark	Size	Length	Location
34	31	3/8"	9'-10"	Column Ties, Pier 1
84	32	"	4'-8"	" " " " Piers 1 & 2
87	33	"	13'-2"	" " " " 5 & 6
216	34	"	5'-6"	" " " " 3, 4, 5 & 6
84	35	"	5'-3"	" " " " 1 & 2
113	36	"	15'-10"	" " " " 3 & 4
216	37	"	6'-3"	" " " " 3, 4, 5 & 6
68	38	"	5'-9"	" " " " 1
174	310	"	7'-7"	" " " " 5 & 6
226	313	"	9'-1"	" " " " 3 & 4
12	41	1/2"	9'-6"	Cap Beam Ties, Pier 2, 5 & 6
6	42	"	9'-8"	" " " " " "
6	43	"	9'-10"	" " " " " "
6	44	"	10'-1"	" " " " " "
6	45	"	10'-4"	" " " " " "
6	46	"	10'-8"	" " " " " "
6	47	"	11'-1"	" " " " " "
6	48	"	11'-6"	" " " " " "
6	49	"	12'-1"	" " " " " "
8	410	"	11'-8"	" " " " " "
4	411	"	11'-10"	" " " " " "
4	412	"	12'-0"	" " " " " "
4	413	"	12'-3"	" " " " " "
4	414	"	12'-6"	" " " " " "
4	415	"	12'-10"	" " " " " "
4	416	"	13'-3"	" " " " " "
4	417	"	13'-8"	" " " " " "
4	418	"	14'-3"	" " " " " "
16	51	5/8"	6'-10"	Footings, Pier 2
52	52	"	7'-10"	" " " " " "
32	53	"	8'-4"	" " " " " "
26	54	"	8'-10"	" " " " " "
220	55	"	9'-10"	" " " " " "
12	61	3/4"	8'-8"	" " " " " "
6	83	1"	12'-7"	" " " " " "
5	82	1"	28'-11"	Cap Beam, Pier 2
14	83	"	29'-11"	" " " " " "
10	84	"	29'-3"	" " " " " "
20	Str.	"	21'-2"	N. Column, Pier 2
20	"	"	22'-3"	" " " " " "
20	"	"	22'-4"	" " " " " "
120	81	1"	12'-7"	Footings, Piers 3, 4, 5
20	Str.	"	10'-10"	N. Column, Pier 6
20	"	"	12'-1"	" " " " " "
20	"	"	15'-5"	" " " " " "
20	"	"	17'-6"	" " " " " "
20	"	"	18'-6"	" " " " " "
20	"	"	19'-0"	" " " " " "
20	"	"	19'-10"	" " " " " "
5	85	1"	29'-2"	Cap Beam Pier 2
10	419	1/2"	5'-2"	Top Pier 1
24	420	"	5'-8"	" " " " " "
64	421	"	6'-8"	" " " " " "
56	421	"	6'-0"	" " " " " "
20	Str.	"	16'-10"	N. Col. Pier 4

ESTIMATED QUANTITIES

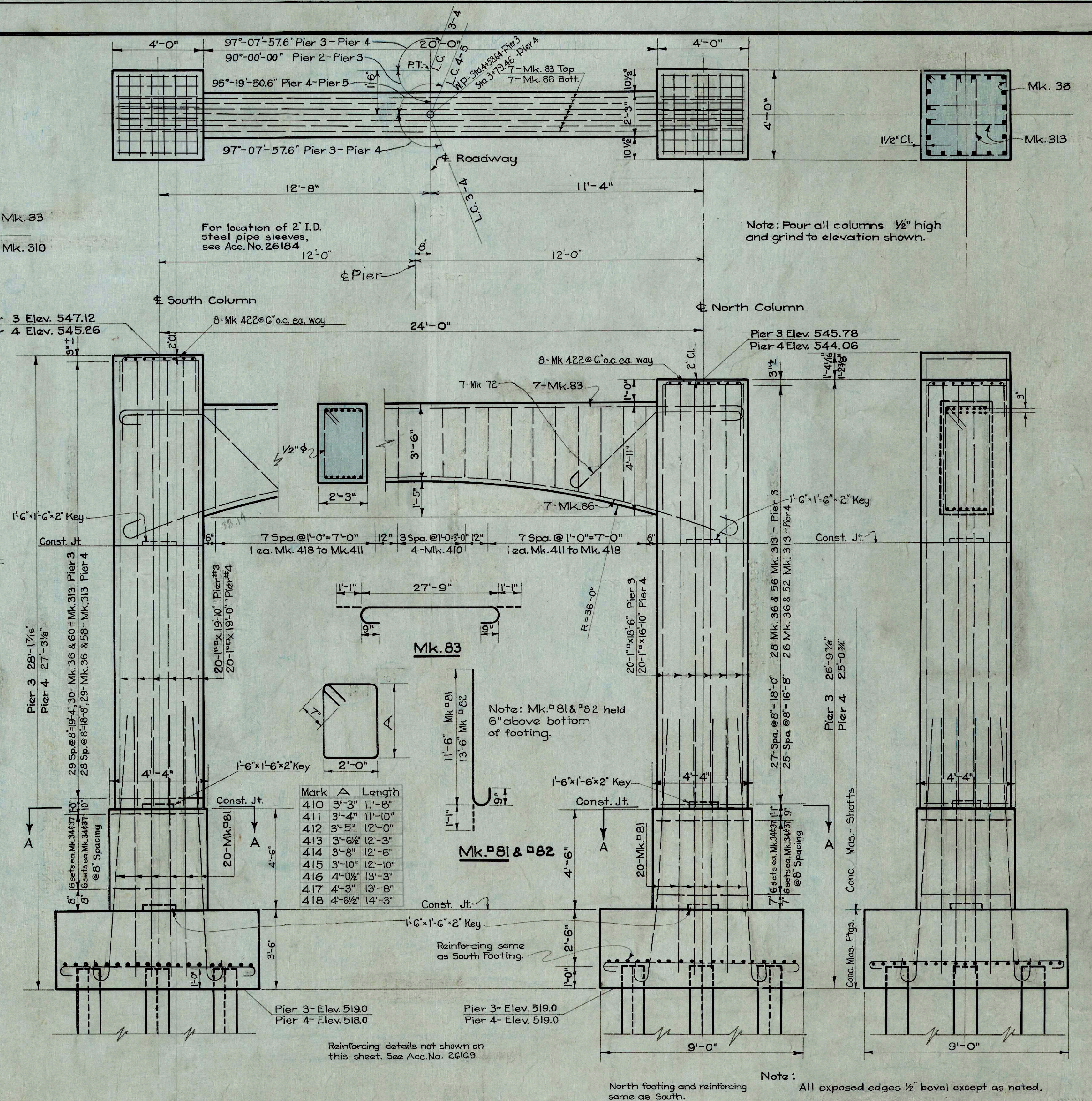
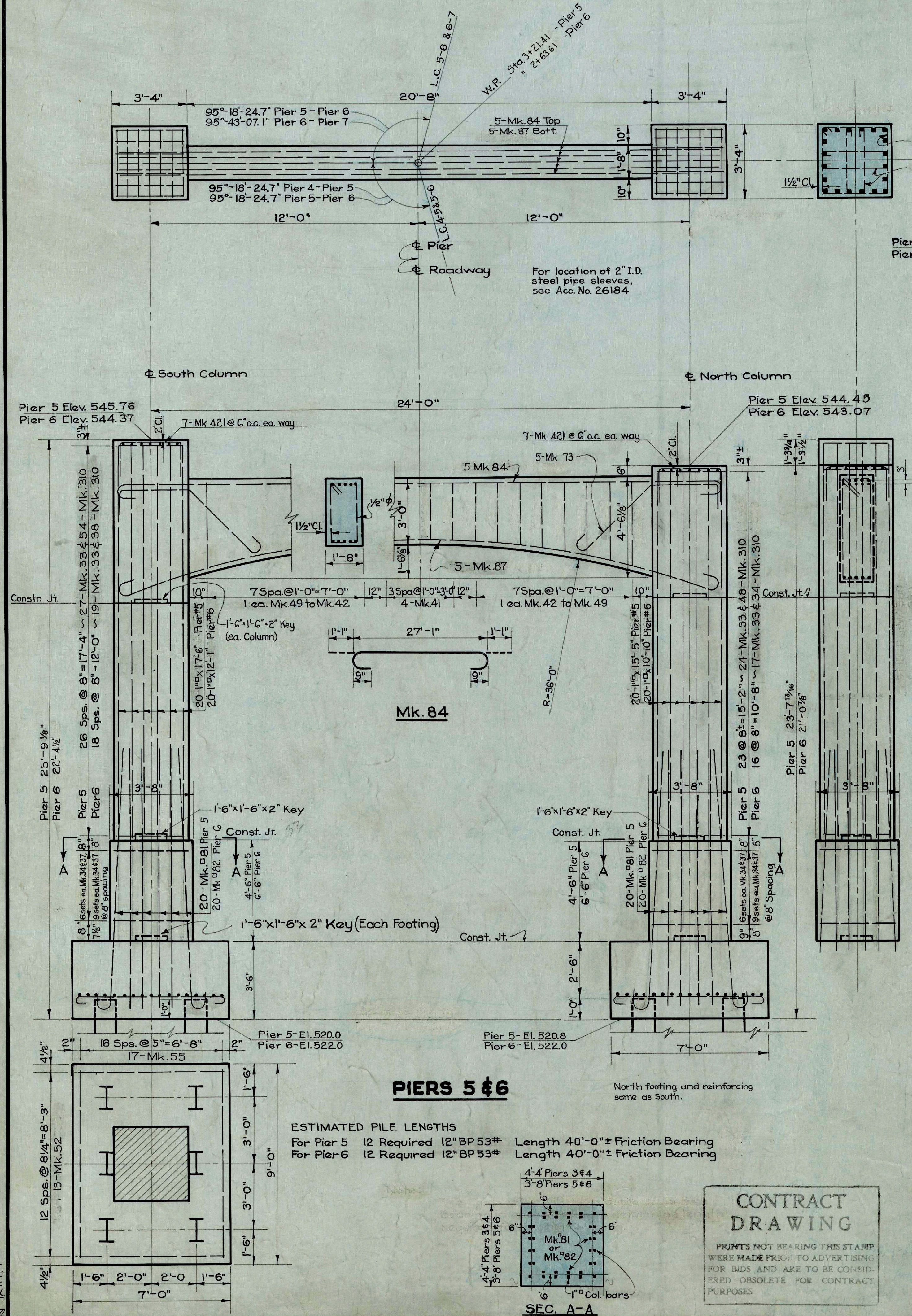
ITEM	QUANTITY	UNIT
Reinforcing Steel	37,250	Lbs.
Concrete Mass - Piers	92	Cu. Yd.
" " " " - Shafts	145	Cu. Yd.
Trench Excavation	177	Cu. Yd.
12"x53" Bearing Piles 20' Long	18	Each
" " " " " " 24'	12	"
" " " " " " 40'	42	"

Note - Estimated quantities are for Piers 1 to 6 incl.

CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
**PROPOSED WIDENING & IMPROVEMENT
SEVENTH ST.
MAIN ST. TO CULVERT ST.
RAMP CONN. TO GILBERT AVE. VIADUCT
DETAILS OF PIERS 1 & 2**

SCALE: 3/8" = 1'-0"
MARCH 1, 1949
ISSUE 3
SUBMITTED *D. McLawrence*
PRINCIPAL ENGINEER-STRUCTURES
RECOMMENDED *R. B. Sarvis*
DIRECTOR OF PUBLIC WORKS
APPROVED *H. H. H. H.*
CITY ENGINEER
CITY MANAGER

ACC. NO 26169



CITY OF CINCINNATI
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF ENGINEERING

**PROPOSED WIDENING & IMPROVEMENT
 SEVENTH ST.
 MAIN ST. TO CULVERT ST.
 RAMP CONN. TO GILBERT AVE. VIADUCT
 DETAILS OF PIERS 3, 4, 5, & 6**

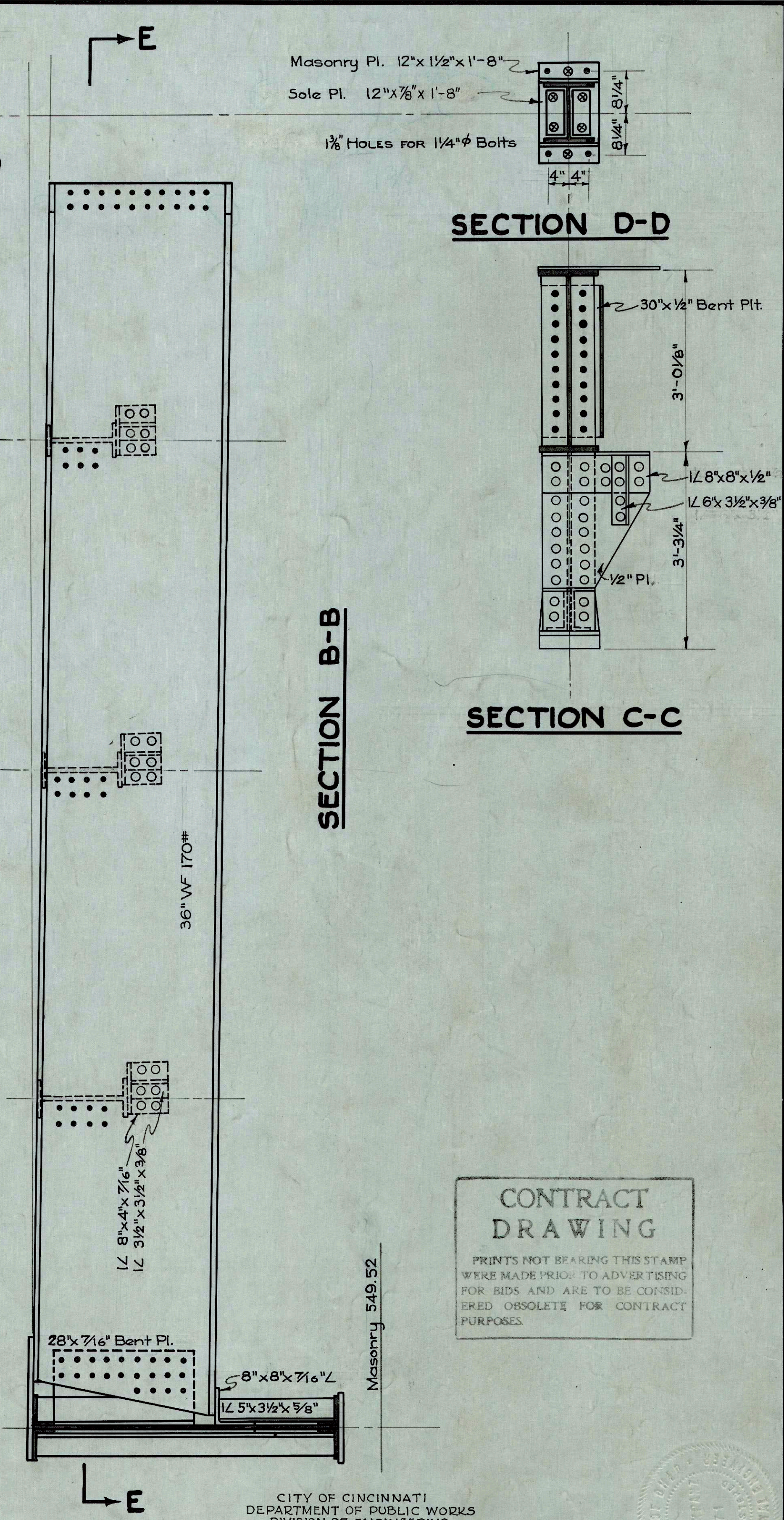
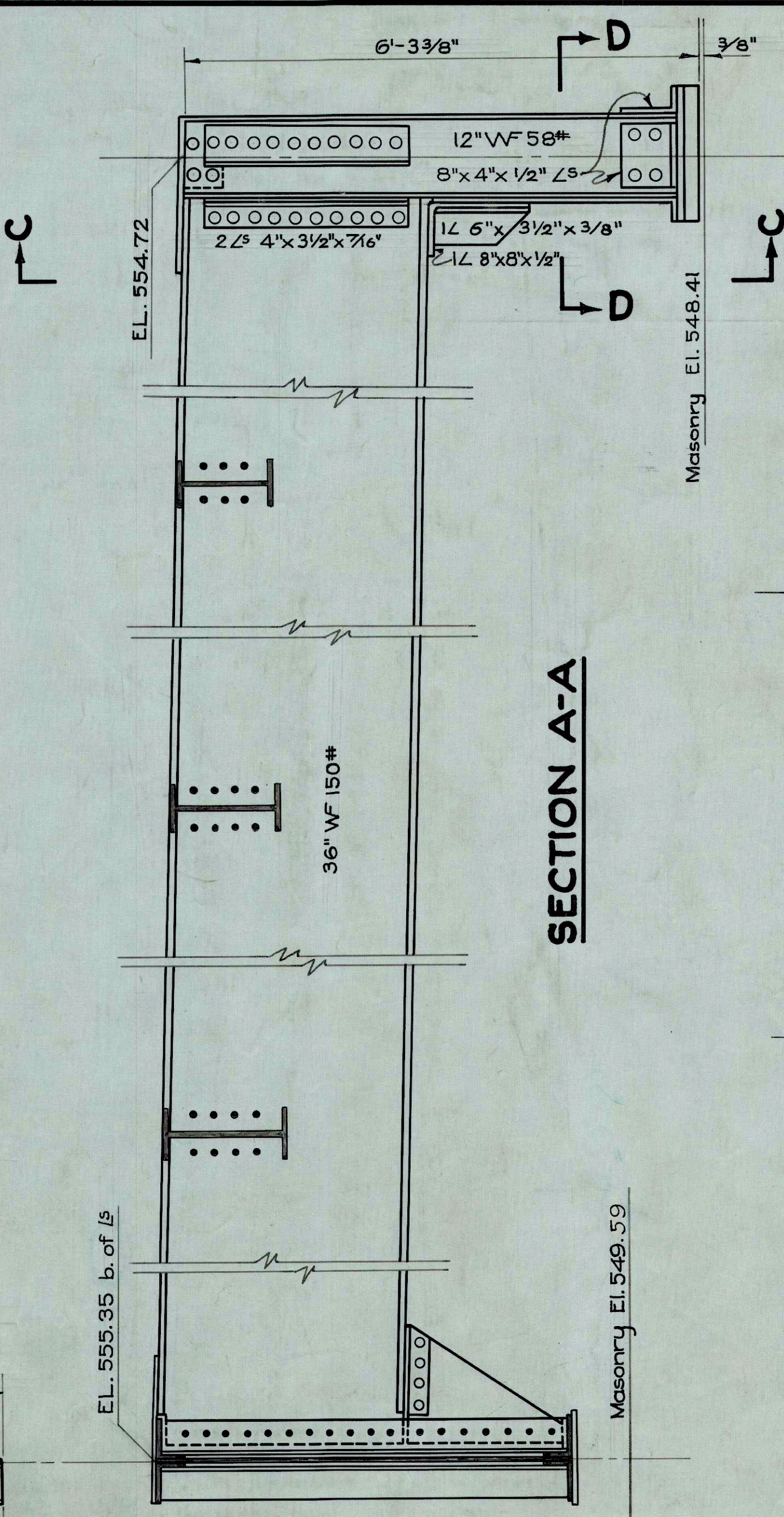
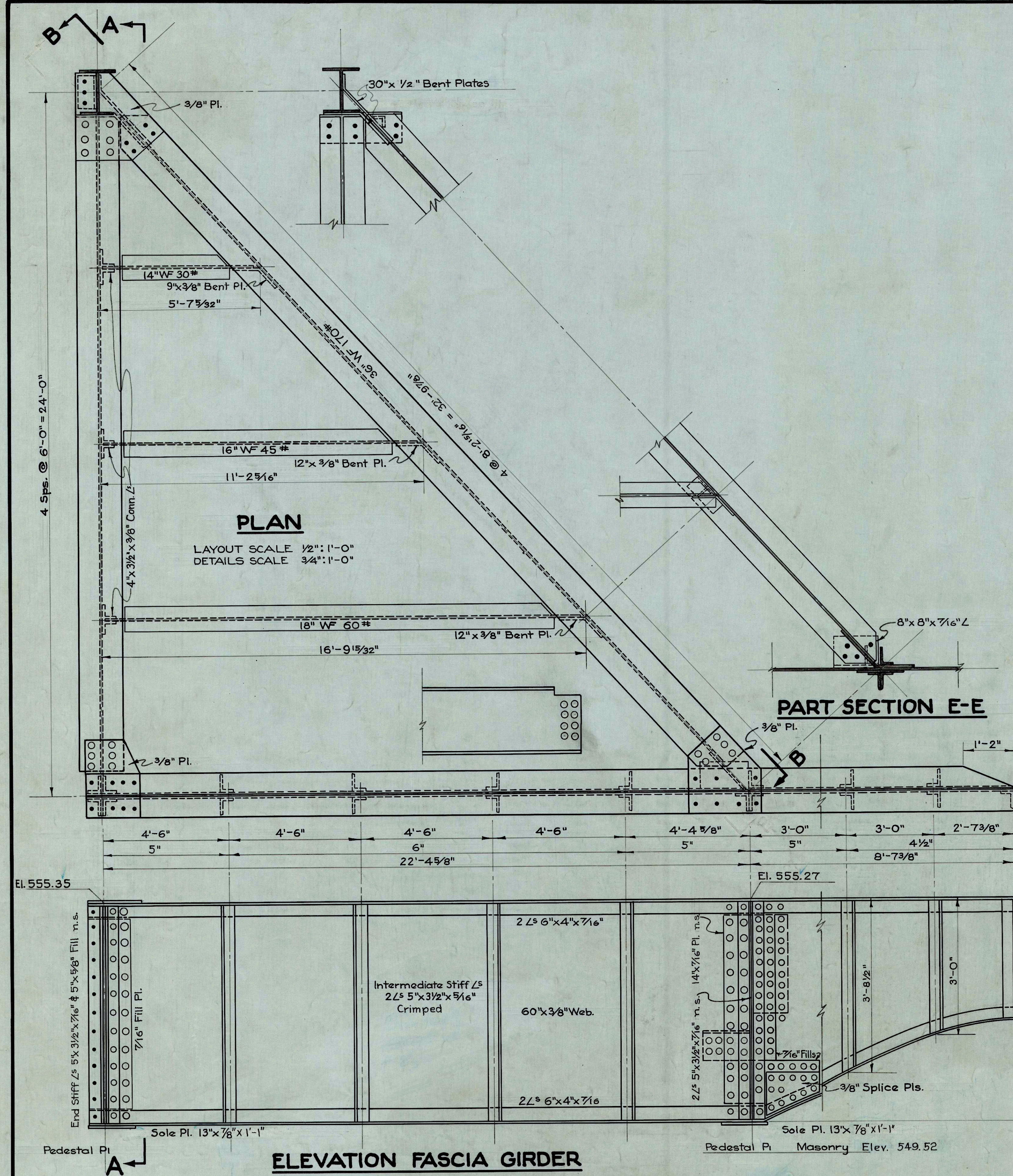
SCALE: 3/8" = 1'-0" MARCH 1, 1949 ISSUE 2

SUBMITTED *W.W.T.* RECOMMENDED *W.H.F.*
 PRINCIPAL ENGINEER-STRUCTURES CITY ENGINEER
 RECOMMENDED *R.D. Barvis* APPROVED *W.H.F.*
 DIRECTOR OF PUBLIC WORKS CITY MANAGER

ACC. NO 26170

10

22-9-10



CONTRACT DRAWING

PRINTS NOT BEARING THIS STAMP WERE MADE PRIOR TO ADVERTISING FOR BIDS AND ARE TO BE CONSIDERED OBSOLETE FOR CONTRACT PURPOSES.

CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

**PROPOSED WIDENING & IMPROVEMENT
SEVENTH ST.
MAIN ST. TO CULVERT ST.
RAMP CONN. TO GILBERT AVE. VIADUCT
STEEL SUPERSTRUCTURE AT PIERS 1 & 2**

SCALE: 3/4" = 1'-0" MARCH 1, 1949 ISSUE I

SUBMITTED *R. G. Sarvis* PRINCIPAL ENGINEER - STRUCTURES
RECOMMENDED *R. G. Sarvis* DIRECTOR OF PUBLIC WORKS
APPROVED *[Signature]* CITY ENGINEER
CITY MANAGER

ACC. NO 26171

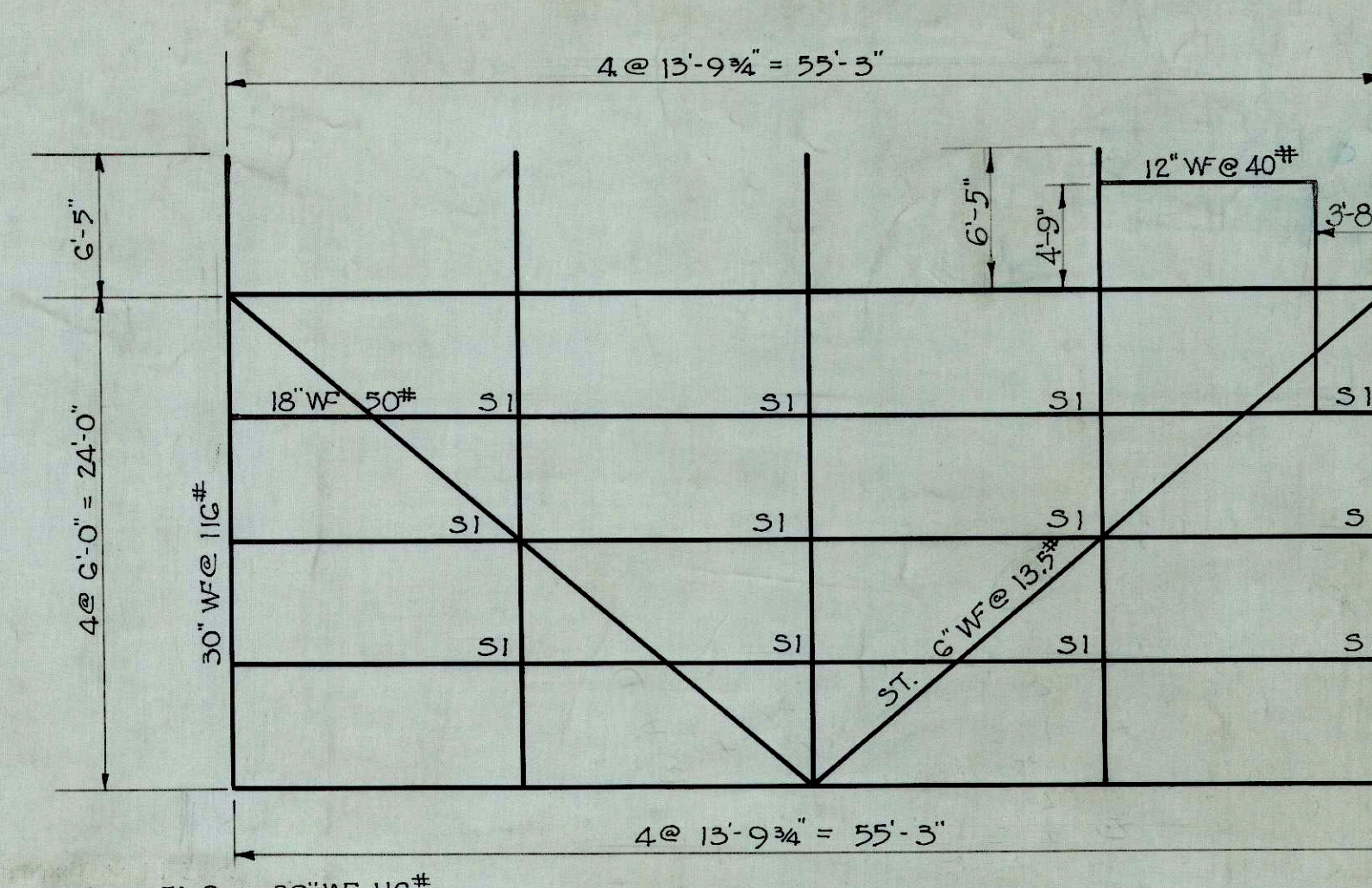
Note: All pedestals and column bases to rest on 3 layers of cotton duck swabbed with red lead. 3/8" allowed.

All rivets are 7/8".

Issue	Revision	Date	Sig.	Sig.

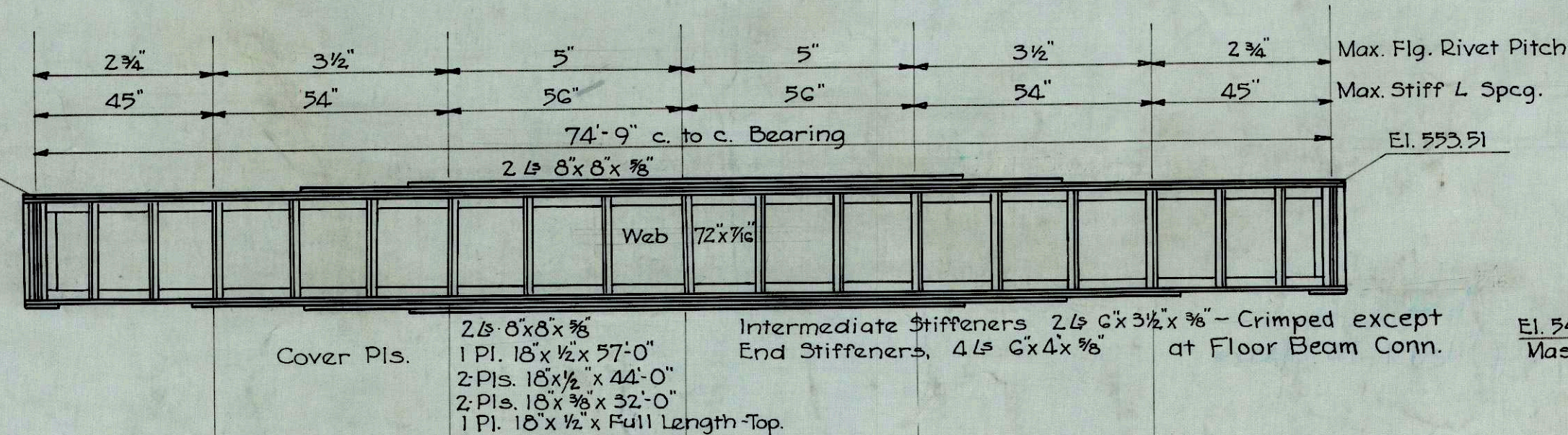
Designed W.W.T.
Drawn W.W.T.
Checked W.F.H.
Traced H.T.B.
Reviewed *[Signature]*

22-9-11



PLAN OF SPAN 2-3

NOTE :-
All Intermediate Fl. Bms. 30" WF 11C#
All Laterals ST. 6" WF 13.5#



NORTH GIRDER

Pitch
 pcg.

Max Flg. Rivet Pitch
 Max. Stiff L Spcg.

El. 553.64

El. 554.16

2 1/2" 4 1/2" 4 1/2" 2 1/2"
 44" 48" 48" 44"
 55'-3" c. to c. Bearing

2 1/2 G x G x 3/8"
 Web 60% 3/8"

7'-9 1/2"
 5'-0 1/2"
 12" WF 58#
 2'-7 1/2"
 1'-4 1/2"
 3/8"

El. 543.78
 Masonry

Cover Pls.
 2 1/2 G x G x 3/8"
 1 Pl. 14 x 3/8 x 44'-0"
 2 Pls. 14 x 1/2 x 30'-0"
 1 Pl. 14 x 3/8 Full Length, Top

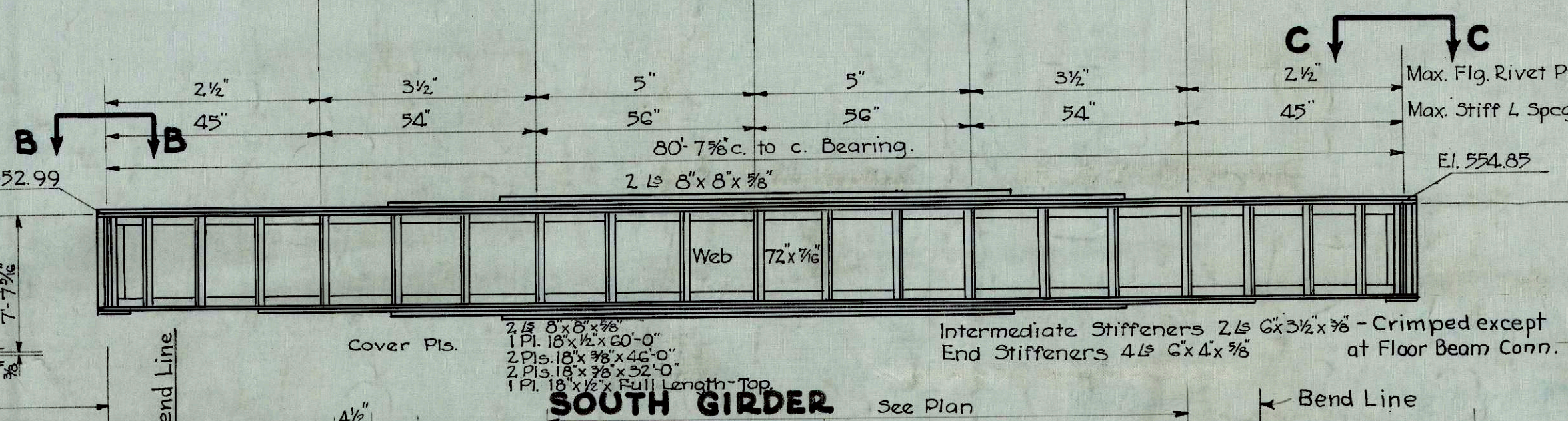
Intermediate Stiffeners 2 1/2 5 x 3 1/2 x 3/8"
 End Stiffeners 4 1/2 5 x 3 1/2 x 3/8"

- Crimped except at Floor Beam Conn.

Note:

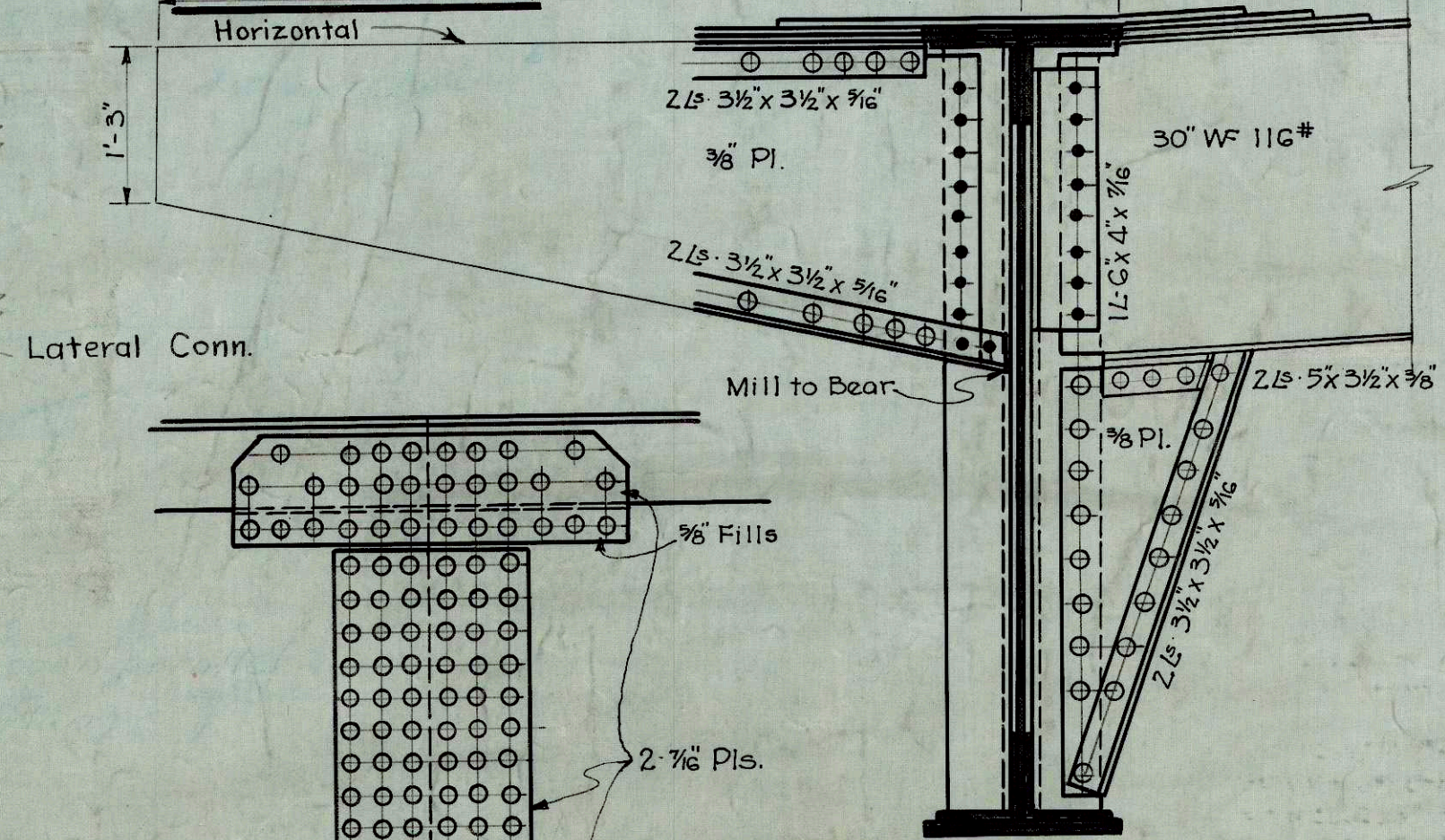
NORTH GIRDER

Note:
For Sole Plate bevels, see
Acc. No. 26173
Drill $1\frac{1}{16}$ " holes for pedestal
bolt at fixed end.
Cut $1\frac{1}{8} \times 2$ " slots for pedestal
bolts at expansion end



18"x1/2"x Full Length-Top.
SOUTH GIRDER

Pl. 14 x 1/2 x Full Length-Top.



DETAIL AT INTERMEDIATE FLOOR BEAMS
SPAN 3-4

DETAIL AT INTERMEDIATE FLOOR BEAMS
FOR ALL SPANS WITH 60" WEB

PROPOSED WIDENING & IMPROVEMENT SEVENTH ST.

MAIN ST. TO CULVERT ST.
RAMP CONN. TO GILBERT AVE. VIADUCT
STEEL GIRDER SPANS-PIERS 2 TO 7

SCALE: 1/8"=1'-0"; 3/4"=1'-0" MARCH 1, 1949 ISSUE

SUBMITTED *D. H. McElwaine* RECOMMENDED 1+
PRINCIPAL ENGINEER-STRUCTURES CITY

RECOMMENDED *R. K. Davis* APPROVED *W. J. Davis*
DIRECTOR OF PUBLIC WORKS

ACC. NO 26172

22-9-12

Note: All plan dimensions are horizontal distances.
All rivets are $\frac{7}{8}$ "

CONTRACT DRAWING

PRINTS NOT BEARING THIS STAMP
WERE MADE PRIOR TO ADVERTISING
FOR BIDS AND ARE TO BE CONSID-
ERED OBSOLETE FOR CONTRACT
PURPOSES

SECTION A-A
TYPICAL FLOOR
BEAM CONN.

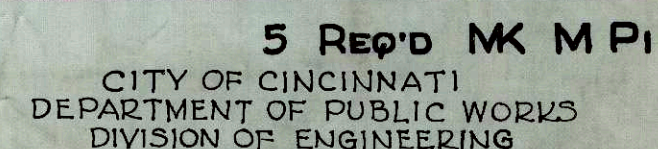
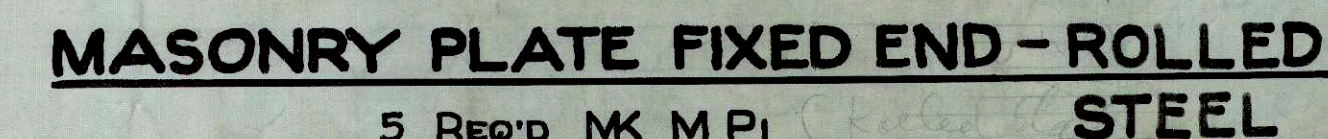
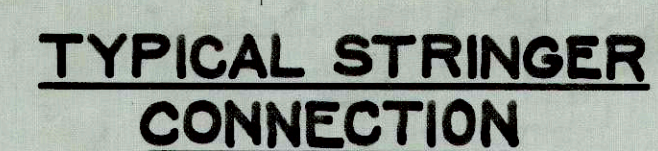
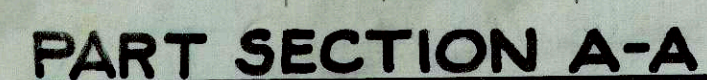
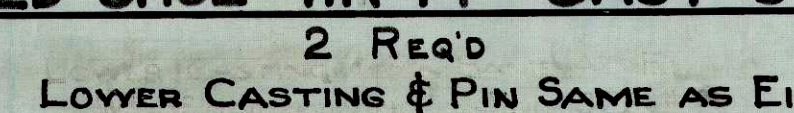
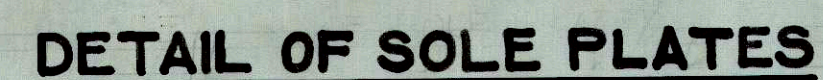
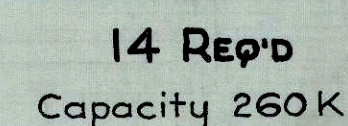
NOTE: Sec. C-C similar to
Cut line end stiffeners only

178	84	
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— 10 —

SECTION D-D

Scale $\frac{3}{4}" = 1'-0"$



DIVISION OF ENGINEERING
**PROPOSED WIDENING & IMPROVEMENT
 SEVENTH ST.
 MAIN ST. TO CULVERT ST.
 RAMP CONN. TO GILBERT AVE. VIADUCT
 DETAILS OF PEDESTALS & SHOES**

SCALE: $3'' = 1'-0''$, $\frac{3}{4}'' = 1'-0''$

MARCH 1, 1949

ISSUE I

SUBMITTED S. A. McHurren
PRINCIPAL ENGINEER-STRUCTURES

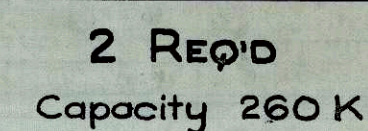
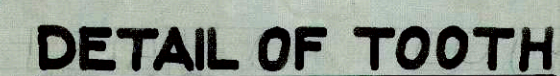
RECOMMENDED R. G. Barvis
DIRECTOR OF PUBLIC WORKS

RECOMMENDED J. H. Kram
CITY ENGINEER

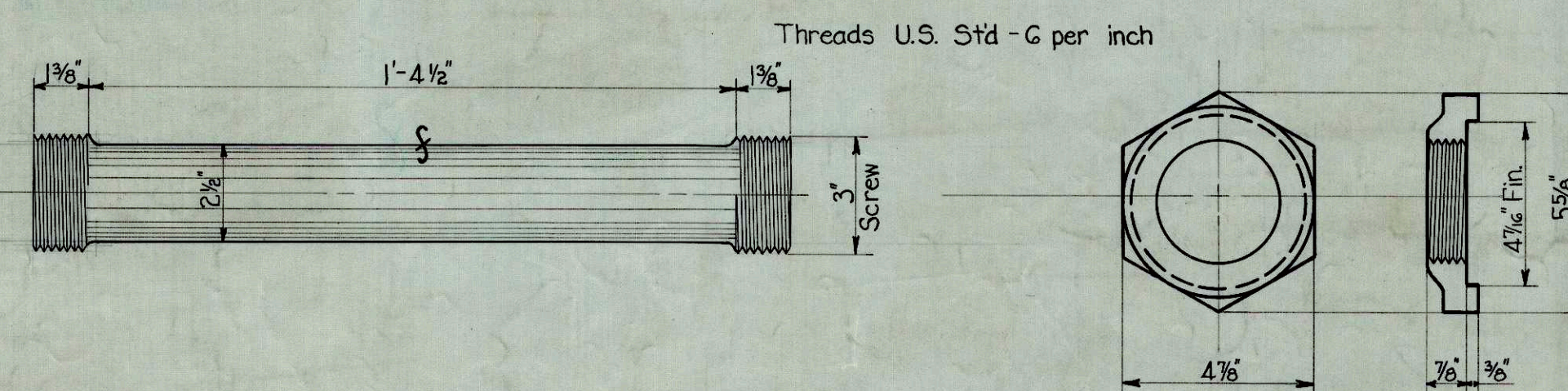
APPROVED Arthur J. [Signature]
CITY MANAGER

ACC. NO 26173

22-9-13

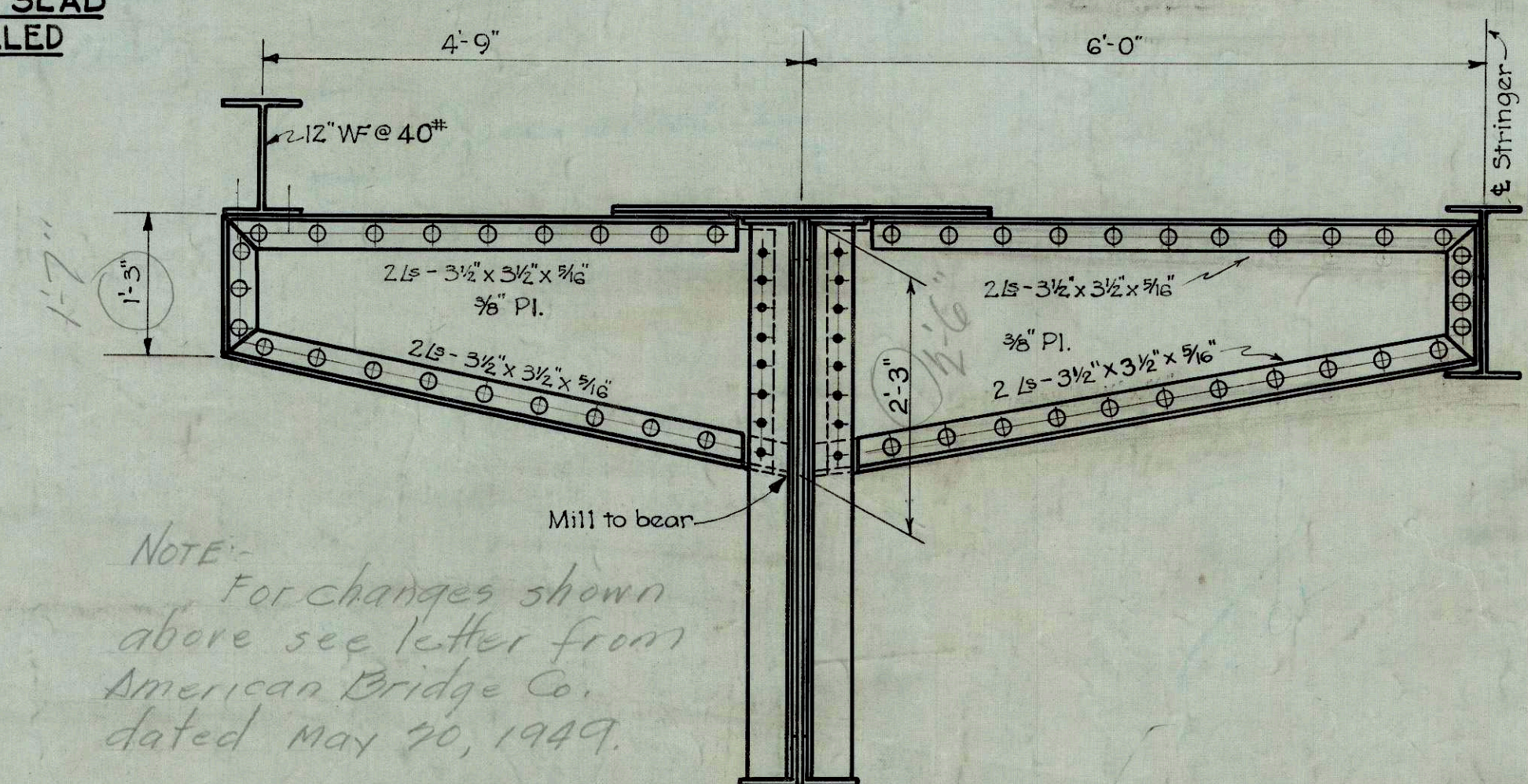


EXCEPT TOP SLAB
WHICH IS ROLLED
STEEL.



DETAILS OF PIN & RECESSED PIN NUT

Material - Cold Rolled or Forged Steel



NOTE:-
For changes shown
above see letter from
American Bridge Co.
dated May 30, 1949.

DETAILS - BRACKET & STRUT
EAST PANEL - SPAN 2-3

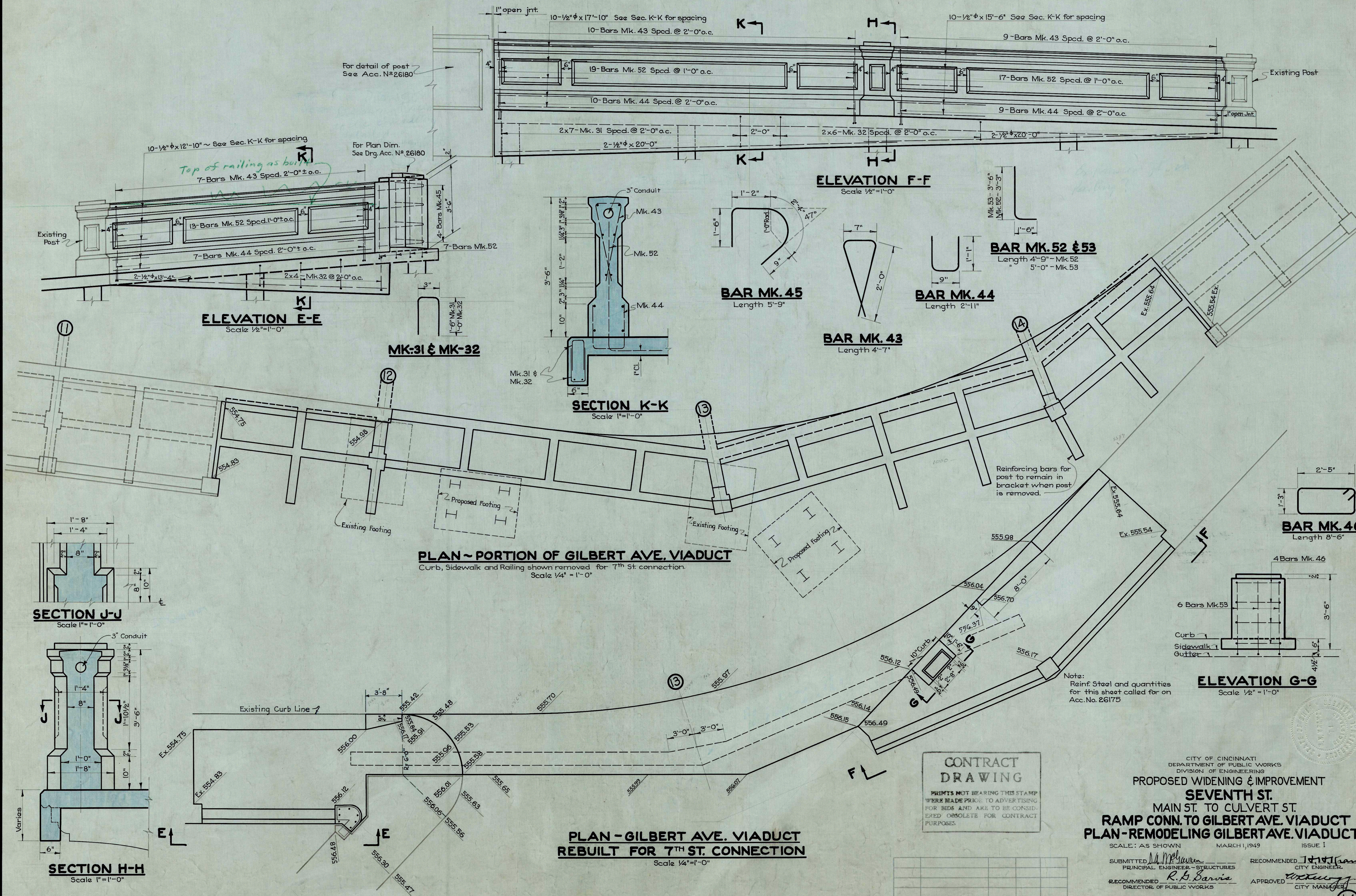
Scale $\frac{3}{4}" = 1'-0"$

CONTRACT
DRAWING

PRINTS NOT BEARING THIS STAMP
WERE MADE PRIOR TO ADVERTISING
FOR EDS AND ARE TO BE CONSID-
ERED OBSOLETE FOR CONTRACT
PURPOSES.

Note: For locations of shoes, pedestals and shims, see Acc. No. 26184

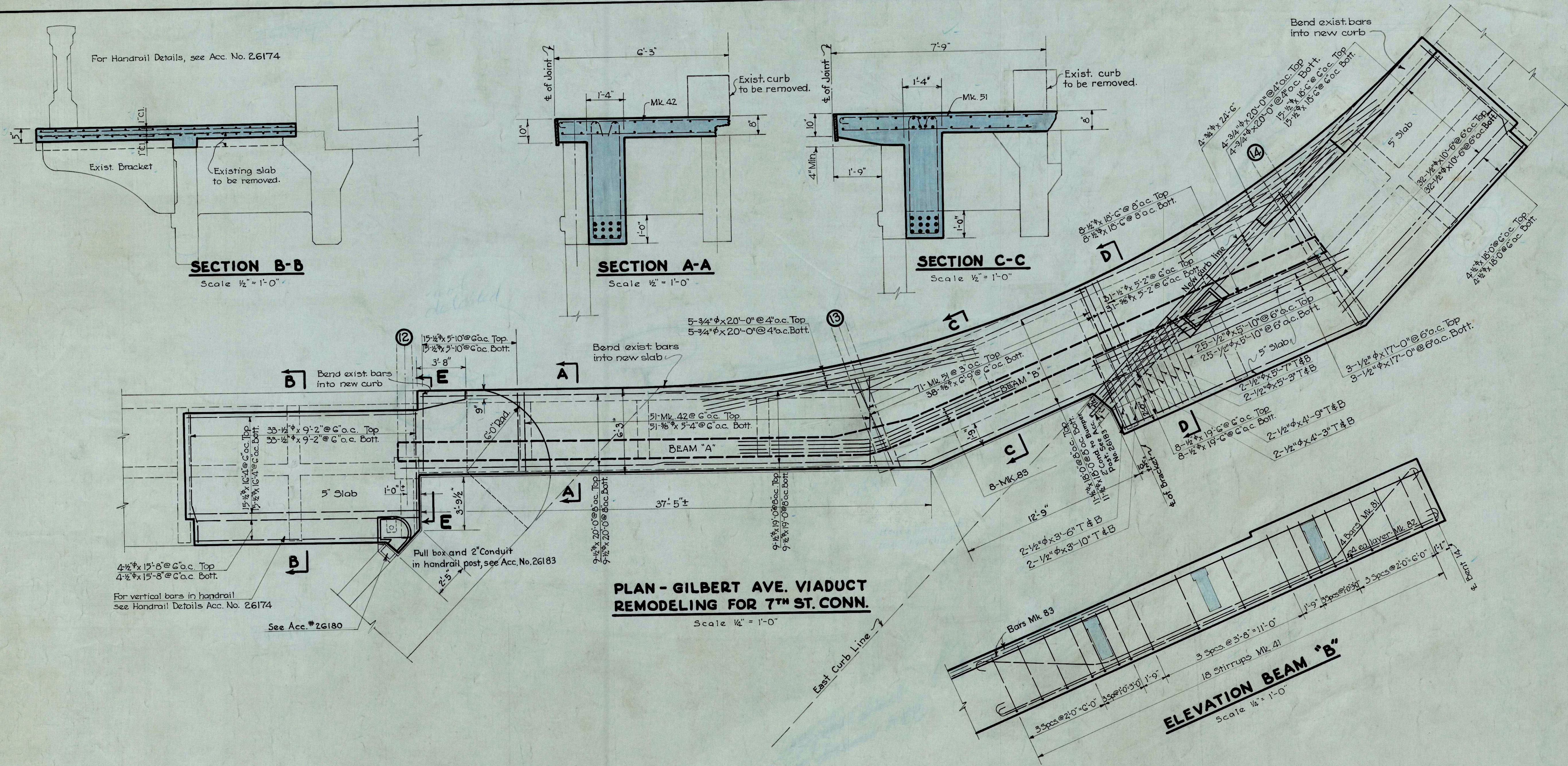
Issue	Revision	Date	Sig.	Sig.
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Designed W.W.T.
Drawn C.M.H.
Checked L.D.B.
Traced H.T.B.
Reviewed J. Kelly

Issue	Revision	Date	Sig.	Sig.

SUBMITTED *J. Kelly*
PRINCIPAL ENGINEER - STRUCTURES
RECOMMENDED *R. B. Barvis*
DIRECTOR OF PUBLIC WORKS
RECOMMENDED *J. Kelly*
CITY ENGINEER
APPROVED *[Signature]*
CITY MANAGER



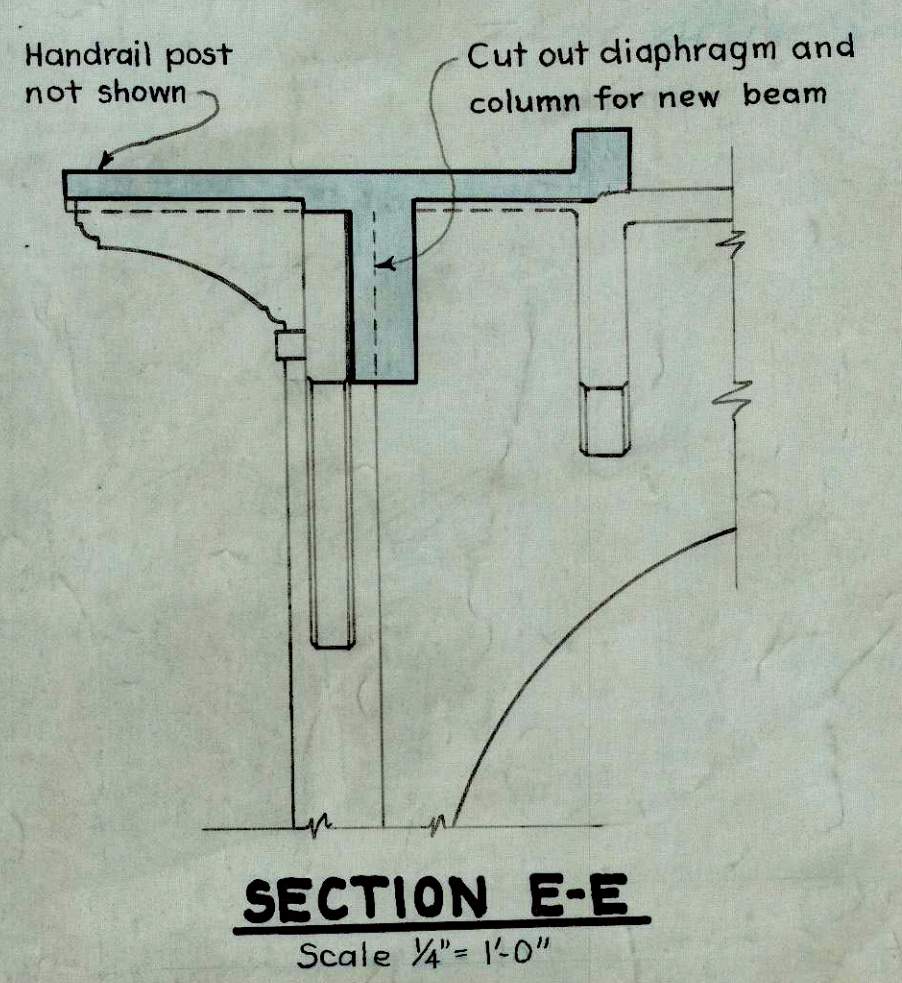
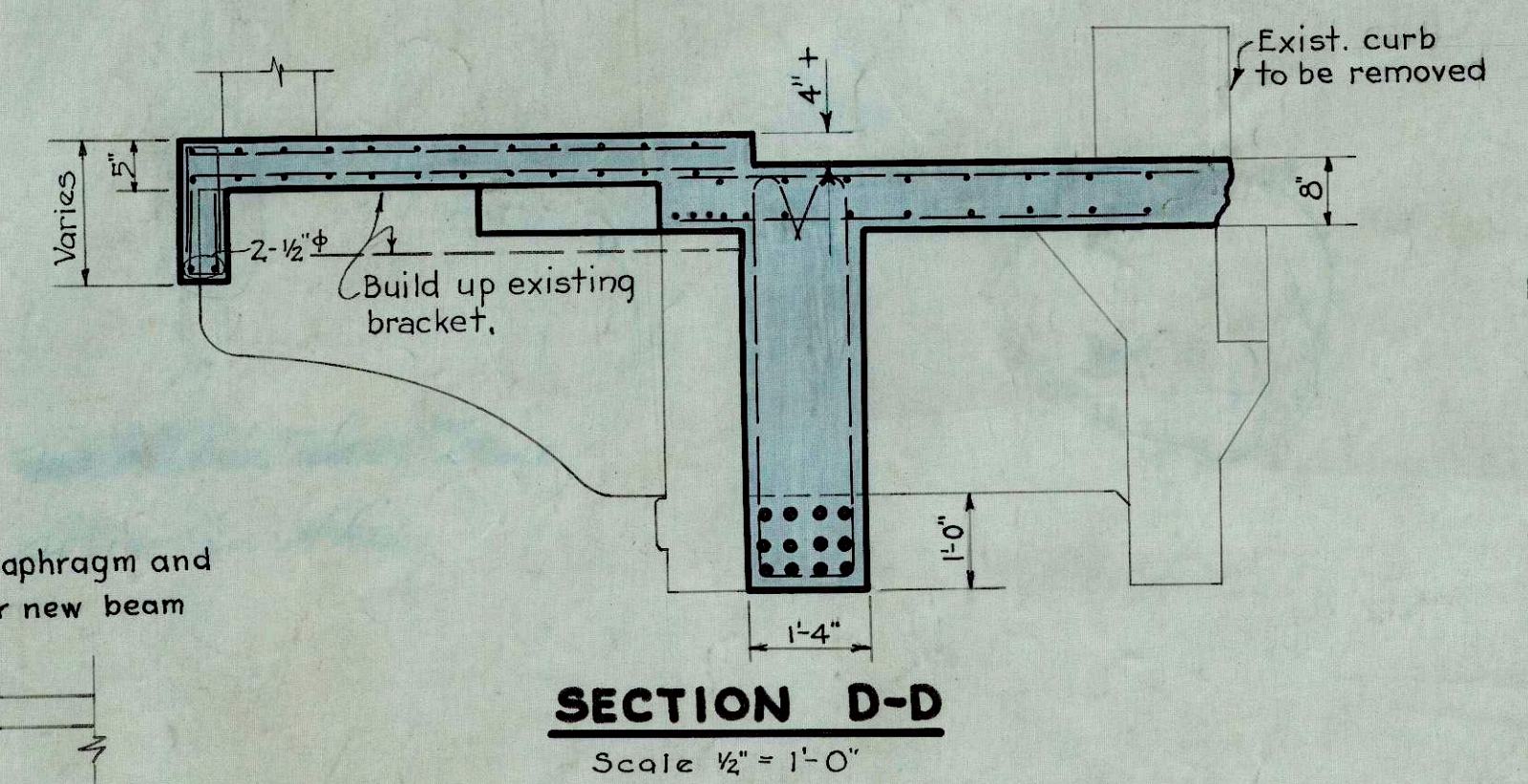
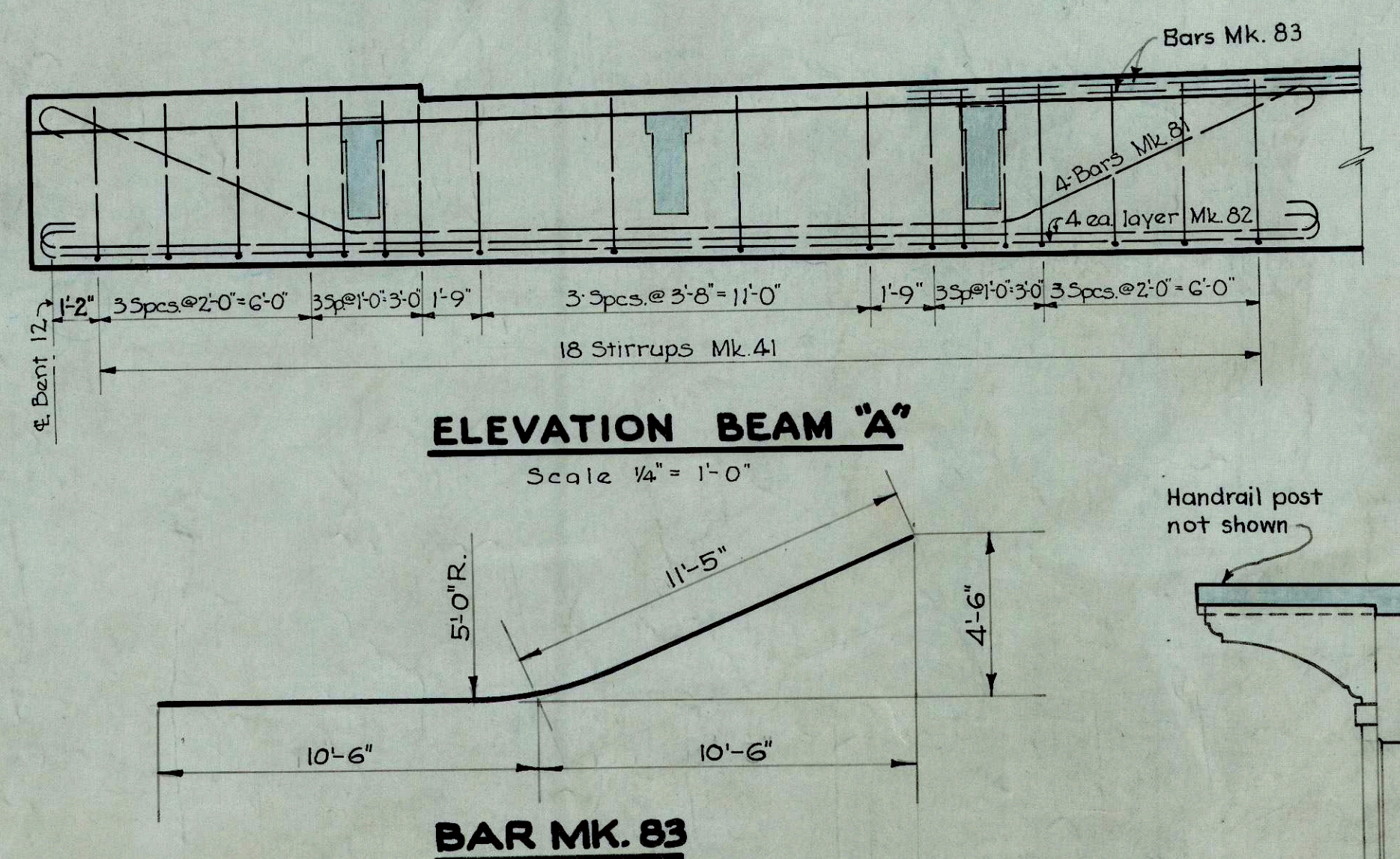
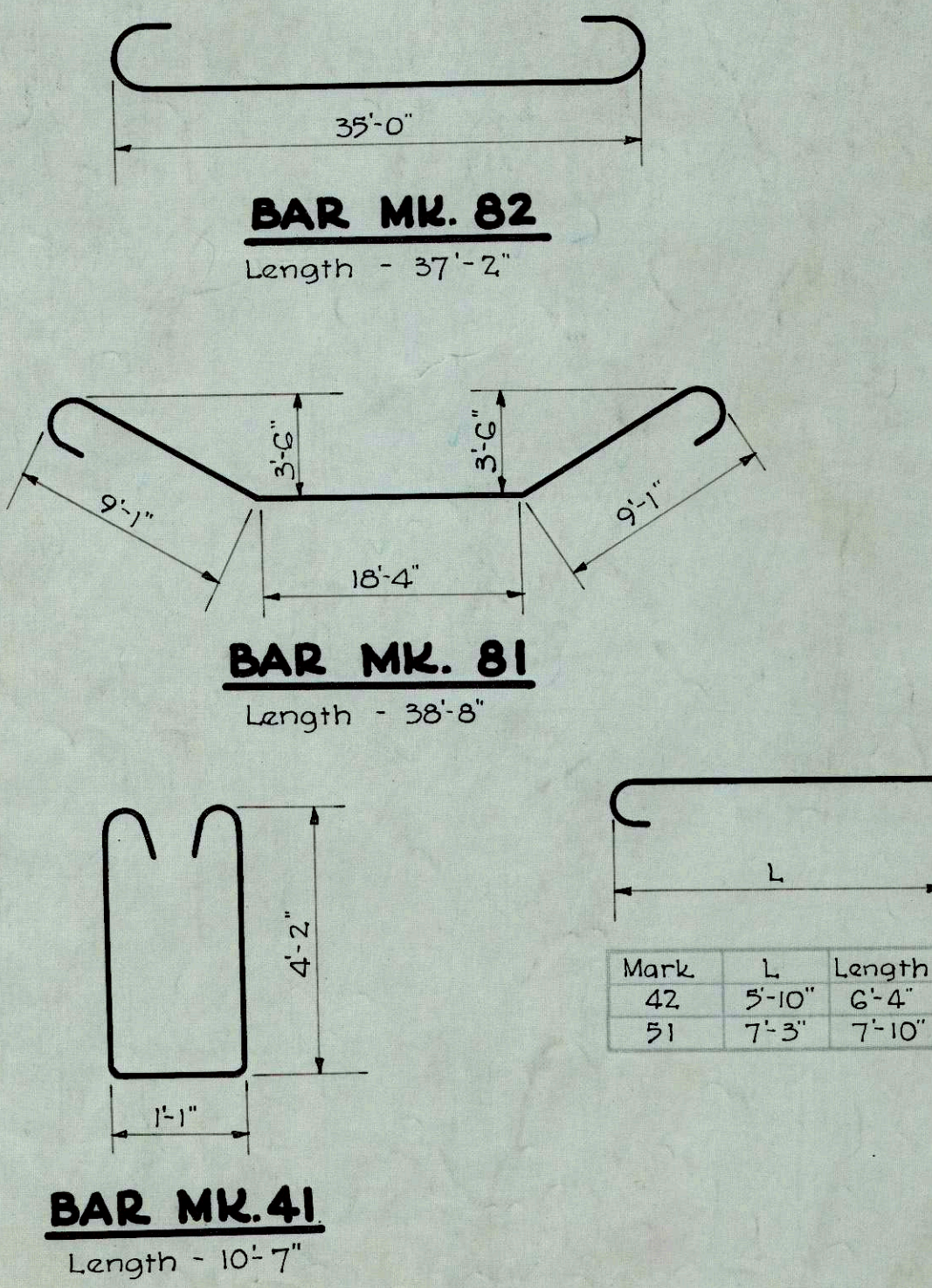
BILL OF REINFORCING STEEL					
NO.	MARK	SIZE	LENGTH	LOCATION	
8	81	1"	38'-8"	Beams 'A' & 'B'	
16	82	1"	37'-2"	Neg. top beam	
8	83	1"	21'-11"	Roadway slab	
71	51	5/8"	7'-10"	"	
51	Straight	"	5'-4"	"	
38	"	"	5'-2"	"	
31	"	"	5'-2"	"	
51	42	1/2"	6'-4"	"	
18	Straight	"	20'-0"	"	
18	"	"	19'-0"	"	
22	"	"	18'-0"	"	
31	"	"	5'-2"	"	
16	"	"	18'-0"	"	
4	"	3/4"	24'-6"	Curb	
30	"	1/2"	16'-4"	Sidewalk Slab	
8	"	"	15'-8"	"	
80	"	"	5'-10"	"	
16	"	"	19'-6"	"	
64	"	"	10'-6"	"	
66	"	"	9'-2"	"	
30	"	"	18'-6"	"	
8	"	"	18'-0"	"	
4	"	"	20'-0"	Bottom of Facia	
36	41	"	10'-7"	Beams 'A' & 'B'	
26	43	"	4'-7"	Handrail	
28	44	"	2'-11"	"	
4	45	"	5'-9"	"	
56	52	3/8"	4'-9"	" Posts	
10	Straight	1/2"	17'-10"	"	
10	"	"	15'-6"	"	
10	"	"	12'-10"	"	
4	46	"	8'-6"	Sidewalk Post	
14	31	3/8"	3'-3"	Facia	
12	32	"	2'-3"	"	
18	Straight	3/4"	20'-0"	Roadway Slab	
6	53	5/8"	5'-0"	Post, Bumper	
6	Str.	1/2"	17'-0"	Sidewalk Slab	
4	"	"	5'-7"	"	
4	"	"	5'-3"	"	
4	"	"	4'-9"	"	
4	"	"	4'-3"	"	
4	"	"	3'-10"	"	
4	"	"	3'-6"	"	
2	"	"	13'-4"	Bottom Facia	
8	32	3/8"	2'-3"	Facia	

ESTIMATED QUANTITIES		
ITEM	QUANTITY	UNIT
Removing conc. handrail	105	Lin. Ft.
" " deck & brkts.	33	Cu. Yds.
Handrail (conc.)	92	Lin. Ft.
Concrete	44	Cu. Yds.
Reinforcing Steel	9,700	Lbs.

CONTRACT DRAWING

PLANS NOT BEARING THIS STAMP WERE MADE PRIOR TO ADVERTISING FOR BIDS AND ARE TO BE CONSIDERED OBSOLETE FOR CONTRACT PURPOSES.

NOTE: For detail of Joint Plates and number required, see Acc. No. 26181
Bill of Reinforcing Steel and Estimated Quantities shown on this sheet include quantities for handrail shown on Acc. No. 26174



CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROPOSED WIDENING & IMPROVEMENT SEVENTH ST. MAIN ST. TO CULVERT ST. RAMP CONN. TO GILBERT AVE. VIADUCT DETAILS-REMODELING GILBERT AVE. VIADUCT

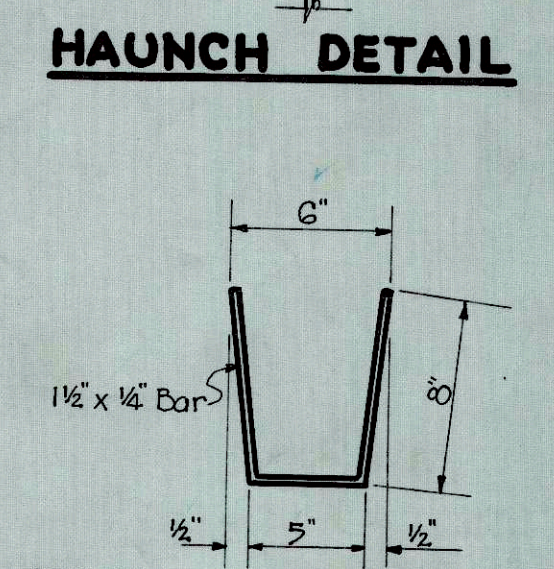
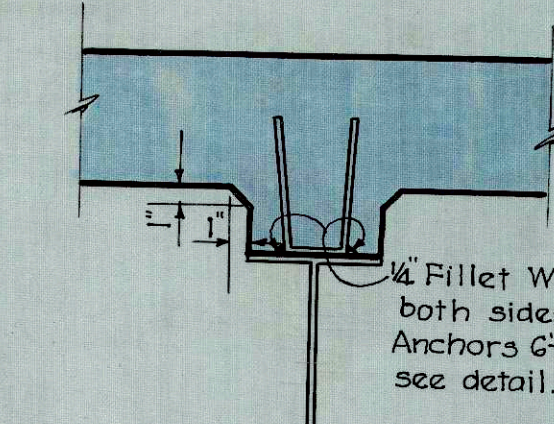
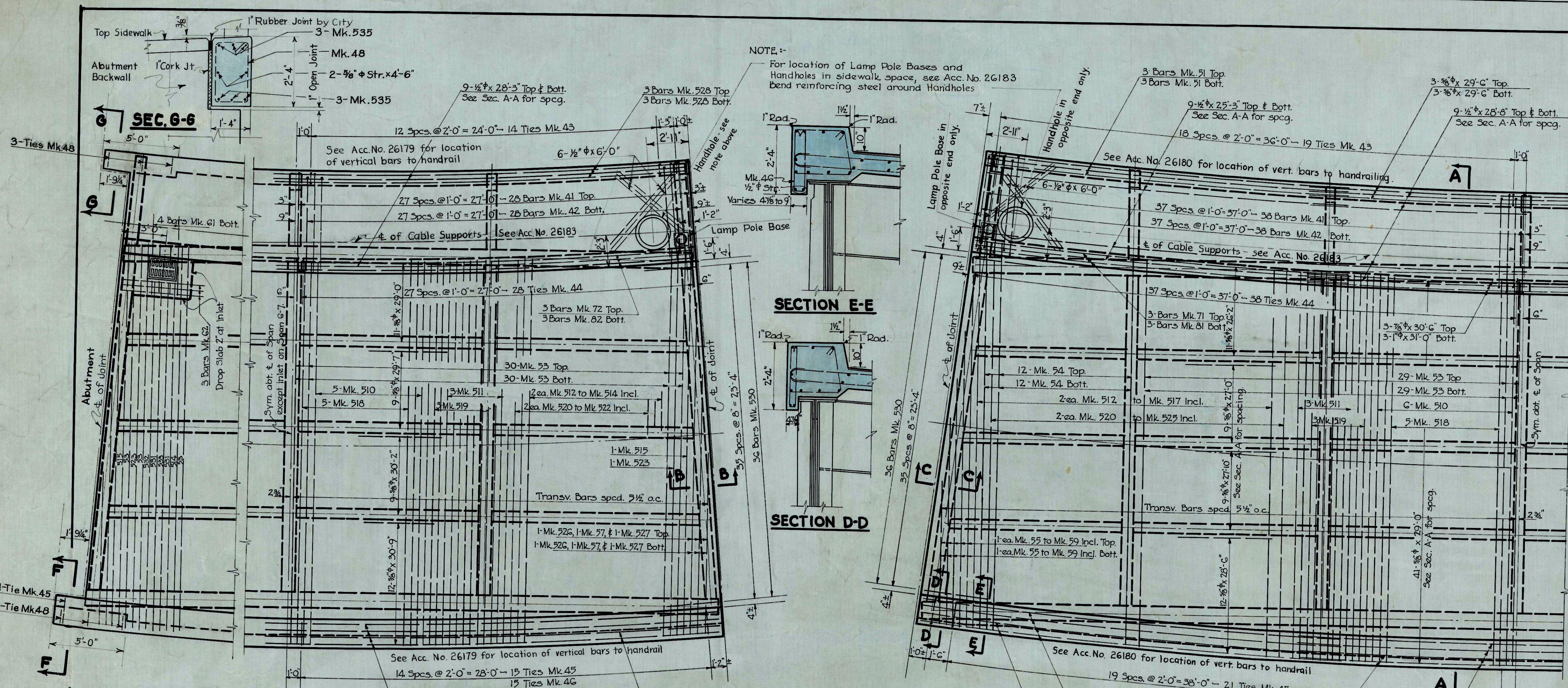
SCALE: MARCH 1, 1949 1350E 2

SUBMITTED: *A. H. McQuinn* PRINCIPAL ENGINEER-STRUCTURES
RECOMMENDED: *R. B. Barrows* DIRECTOR OF PUBLIC WORKS
APPROVED: *W. H. Kram* CITY ENGINEER
W. H. Kram CITY MANAGER

ACC. NO 26175

22-9-15

Issue	Revision	Date	Sig.	Sig.
2	Added dimensions on joint	10-24-49	G.A.C.	D.M.M.



SECTION E-E

SECTION D-D

SECTION A-A
Scale 1/2" = 1'-0"

SECTION B-B
Scale 3/4" = 1'-0"

SECTION C-C
Scale 3/4" = 1'-0"

Mark	L	Length
53	26'-8"	27'-10"
54	26'-10"	28'-0"
55	24'-6"	25'-8"
56	21'-0"	22'-2"
57	17'-6"	18'-8"
58	14'-0"	15'-2"
59	10'-0"	11'-2"
60	11'-6"	12'-8"
61	25'-6"	24'-8"
62	24'-2"	25'-4"

Mark	L	Length
51	25'-0"	25'-7"
52	29'-2"	29'-9"
53	27'-10"	28'-5"
54	30'-8"	31'-3"
55	3'-9"	4'-4"
56	26'-3"	27'-1"
57	29'-2"	30'-0"
58	26'-6"	27'-7"
59	29'-6"	30'-7"
60	3'-2"	3'-10"
61	32'-5"	33'-0"
62	29'-7"	30'-2"

Mark	A	B	C	D	E	L	Length
518	7'-8"	2'-2"	8'-11"	2'-2"	4'-0"	26'-8"	28'-7"
519	7'-6"	"	"	"	4'-2"	"	"
520	7'-3"	"	"	"	4'-5"	"	"
521	7'-0"	"	"	"	4'-8"	"	"
522	6'-9"	"	"	"	4'-11"	"	"
523	6'-4"	"	9'-0"	"	5'-5"	26'-10"	28'-9"
524	6'-0"	"	"	"	5'-9"	"	"
525	5'-8"	"	"	"	6'-1"	"	"
533	6'-9"	"	8'-11"	"	2'-5"	24'-2"	26'-11"

Mark	A	B	C	D	E	L	Length
510	4'-3"	8'-11"	2'-2"	8'-3"	1'-4"	26'-8"	28'-7"
511	4'-1"	"	"	"	1'-6"	"	"
512	3'-10"	"	"	"	8'-6"	"	"
513	3'-7"	"	"	"	8'-9"	"	"
514	3'-4"	"	"	"	9'-0"	"	"
515	3'-2"	9'-0"	"	"	1'-9"	26'-10"	28'-9"
516	2'-10"	"	"	"	2'-11"	"	"
517	2'-6"	"	"	"	2'-5"	"	"
532	3'-4"	8'-11"	"	8'-5"	"	24'-2"	25'-11"

BILL OF REINFORCING STEEL

NR	MARK	SIZE	LENGTH	LOCATION
12	51	3/4"	25'-7"	No. Facia Span 3-4.
16	52	"	29'-9"	"
30	528	"	28'-5"	No. Facia Spans 4-5, 5-6, 6-7.
40	529	"	31'-3"	"
6	71	3/4"	27'-1"	No. Curb Span 3-4.
16	72	"	30'-7"	No. Curb Spans 4-5, 5-6, 6-7.
8	81	1"	27'-7"	No. Curb Span 3-4.
18	82	"	30'-7"	No. Curb Spans 4-5, 5-6, 6-7.
472	53	3/4"	27'-10"	Transv. slab, all spans.
48	54	"	28'-0"	"
4	55	"	25'-8"	"
4	56	"	22'-2"	"
16	57	"	18'-8"	"
4	58	"	15'-2"	"
4	59	"	11'-2"	"
42	510	"	28'-7"	"
24	511	"	"	"
16	512	"	"	"
16	513	"	"	"
15	514	"	"	"
10	515	"	28'-9"	"
4	516	"	"	"
4	517	"	"	"
40	518	"	28'-7"	"
24	519	"	"	"
16	520	"	"	"
16	521	"	"	"
15	522	"	"	"
10	523	"	28'-9"	"
4	524	"	"	"
4	525	"	"	"
12	526	"	12'-8"	"
12	527	"	24'-8"	"
288	530	"	4'-4"	Ends all spans.
22	Straight	"	26'-2"	Longit. Span 3-4.
18	"	"	27'-0"	"
18	"	"	27'-10"	"
24	"	"	28'-6"	"
41	"	"	29'-0"	"
66	"	"	29'-0"	"
54	"	"	29'-7"	"
54	"	"	30'-2"	"
72	"	"	30'-9"	"
8	"	"	29'-0"	"
6	"	"	30'-6"	"
3	"	3/4"	30'-6"	No. Curb
3	"	1"	31'-0"	"
18	"	1/2"	25'-3"	Longit. Sidewalk
9	"	"	28'-8"	"
54	"	"	28'-3"	"
244	41	"	7'-9"	Sidewalk, Top.
244	42	"	7'-4"	"
122	43	"	6'-10"	No. Facia
244	44	"	5'-6"	No. Curb
133	45	"	7'-6"	No. Facia
132	46	"	5'-10"	"
12	Straight	"	31'-0"	"
4	"	"	29'-0"	"
4	61	3/4"	31'-0"	Inlet Span 6-7
3	62	"	8'-9"	"
4	531	3/4"	25'-4"	"
1	532	"	25'-11"	"
1	533	"	26'-1"	"
2	47	1/2"	29'-0"	No. Facia - Bott.
24	Straight	"	6'-0"	Handhole Reinf.
6	535	5/8"	30'-2"	No. Facia Abutment
5	Str.	"	4'-6"	N. & S.
6	48	1/2"	7'-6"	"
8	534	5/8"	33'-0"	S. Facia Abutment

ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT
Concrete	250	Cu. Yd.
Reinforcing Steel	51400	Lbs.
Beam Anchors	260	Each
Inlet Casting	1	"

CONTRACT DRAWING

PRINTS NOT BEARING THIS STAMP WERE MADE PRIOR TO ADVERTISING FOR BIDS AND ARE TO BE CONSIDERED OBSOLETE FOR CONTRACT PURPOSES.

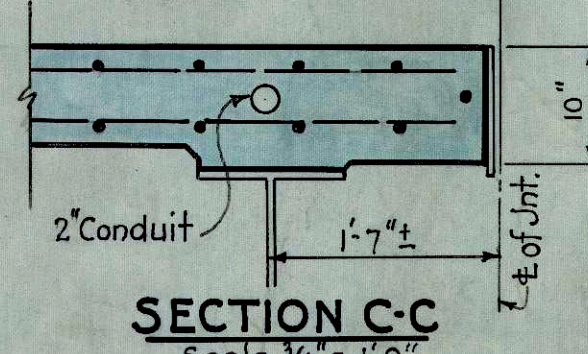
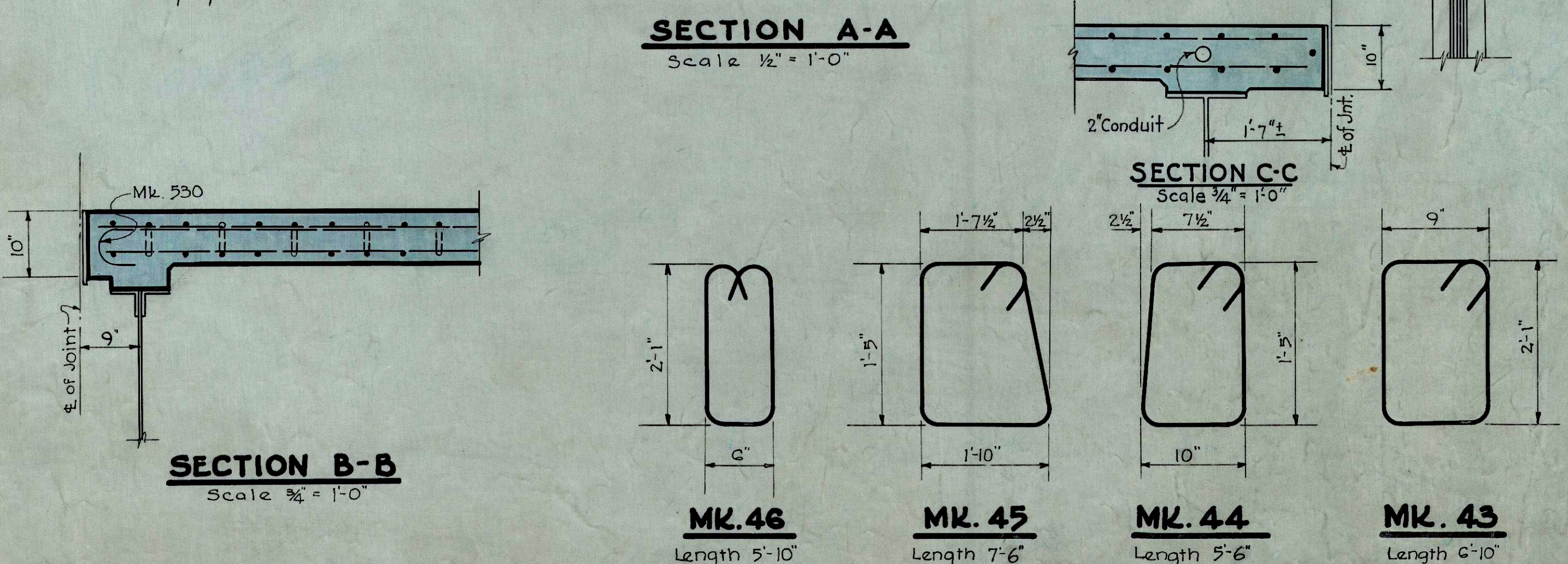
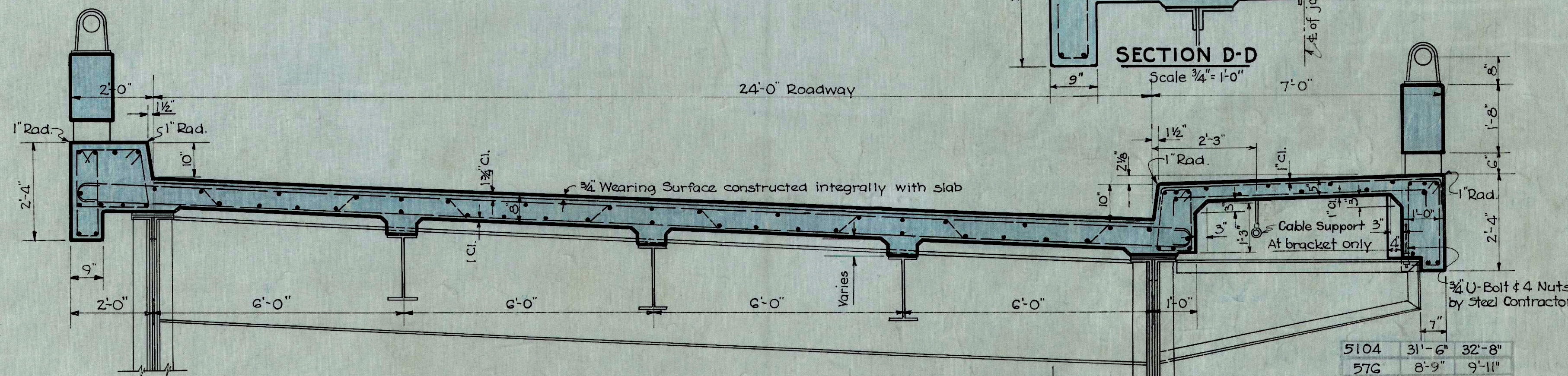
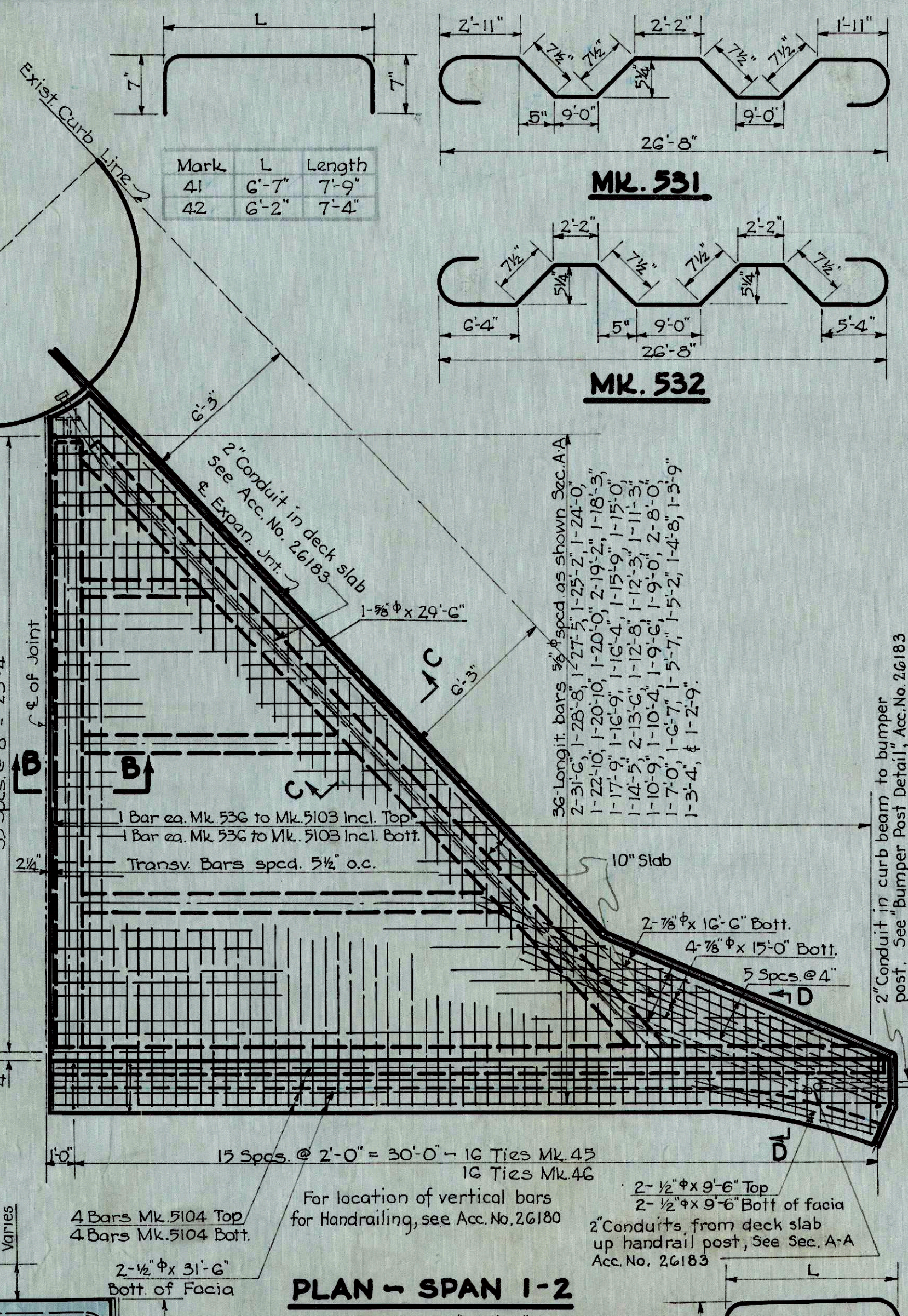
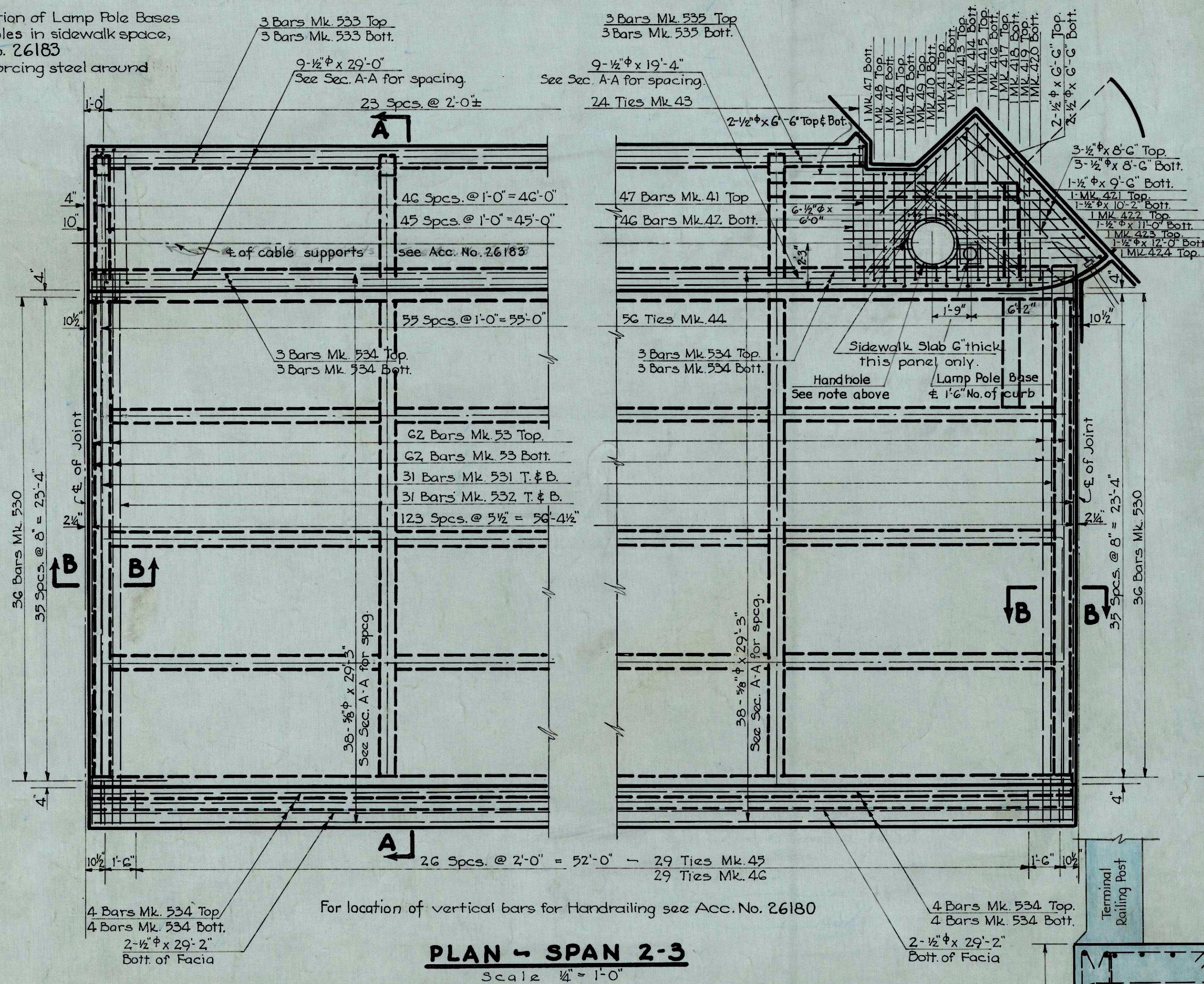
CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
**PROPOSED WIDENING & IMPROVEMENT
SEVENTH ST.
MAIN ST. TO CULVERT ST.
RAMP CONN. TO GILBERT AVE. VIADUCT
DECK DETAILS-SPANS 3-4, 4-5, 5-6 & 6-7**

SCALE: AS SHOWN MARCH 1, 1949 ISSUE I
SUBMITTED *M. McFarlane* RECOMMENDED *T. H. H. H. H.*
PRINCIPAL ENGINEER-STRUCTURES CITY ENGINEER
RECOMMENDED *R. B. Jarvis* APPROVED *W. H. H. H.*
DIRECTOR OF PUBLIC WORKS CITY MANAGER
ACC. NO 26176

NOTE:-
For Handrail details, see Acc. No. 26178 & 26180
For Joint Plate details, see Acc. No. 26181

Issue Revision Date Sig. Sig.

Note:
For location of Lamp Pole Bases
and handholes in sidewalk space,
see Acc. No. 26183
Band reinforcing steel around
handholes.



Mark	L	Length
5104	31'-6"	32'-8"
576	8'-9"	9'-11"
577	8'-3"	9'-5"
578	7'-9"	8'-11"
579	7'-3"	8'-5"
580	6'-9"	7'-11"
581	6'-3"	7'-5"
582	6'-1"	7'-3"
583	5'-10"	7'-0"
584	5'-8"	6'-10"
585	5'-4"	6'-6"
586	5'-2"	6'-4"
587	5'-0"	6'-2"
588	4'-9"	6'-1"
589	4'-6"	5'-8"
590	4'-3"	5'-5"
591	4'-1"	5'-3"
592	4'-0"	5'-2"
593	3'-11"	5'-1"
594	3'-10"	5'-0"
595	3'-8"	4'-10"
596	3'-7"	4'-9"
597	3'-6"	4'-8"
598	3'-5"	4'-7"
599	3'-4"	4'-6"
5100	3'-3"	4'-5"
5101	3'-2"	4'-4"
5102	3'-1"	4'-3"
5103	3'-0"	4'-2"

Mark	L	Length
53	20'-8"	27'-10"
53G	20'-3"	27'-5"
537	20'-6"	27'-6"
538	20'-9"	27'-11"
539	20'-11"	28'-1"
540	20'-4"	27'-6"
541	23'-11"	27'-1"
542	23'-5"	26'-7"
543	24'-11"	26'-1"
544	24'-5"	25'-7"
545	23'-11"	25'-1"
546	23'-5"	24'-7"
547	22'-11"	24'-1"
548	22'-5"	23'-7"
549	21'-11"	23'-1"
550	21'-5"	22'-7"
551	20'-11"	22'-1"
552	20'-6"	21'-3"
553	20'-0"	21'-2"
554	19'-6"	20'-3"
555	19'-1"	20'-3"
556	18'-7"	19'-9"
557	18'-1"	19'-3"
558	17'-7"	18'-9"
559	17'-1"	18'-3"
560	16'-7"	17'-9"
561	16'-1"	17'-3"
562	15'-7"	16'-9"
563	15'-1"	16'-3"
564	14'-7"	15'-9"
565	14'-1"	15'-3"
566	13'-7"	14'-9"
567	13'-2"	14'-4"
568	12'-8"	13'-10"
569	12'-2"	13'-4"
570	11'-8"	12'-10"
571	11'-2"	12'-4"
572	10'-8"	11'-10"
573	10'-2"	11'-4"
574	9'-8"	10'-10"
575	9'-2"	10'-4"

Mark	L	Length
530	3'-9"	4'-4"
533	29'-6"	30'-1"
534	29'-2"	29'-9"
535	19'-2"	19'-9"
421	10'-0"	10'-6"
422	10'-9"	11'-3"
423	11'-6"	12'-0"
424	12'-3"	12'-9"

BILL OF REINFORCING STEEL									
NO.	MARK	SIZE	LENGTH	LOCATION	NO.	MARK	SIZE	LENGTH	LOCATION
124	53	3/8"	27'-10"	Trans. Slab	47	41	1/2"	7'-9"	Sidewalk Slab
108	530	"	4'-4"	Ends of slabs	48	42	"	7'-4"	"
31	531	"	28'-8"	Trans. Slab	24	43	"	6'-10"	No. Facia
31	532	"	28'-8"	"	56	44	"	5'-6"	No. Curb
6	533	"	30'-1"	No. Facia	45	45	"	7'-6"	So. Curb
28	534	"	29'-9"	No. f. So. Curb	45	46	"	5'-10"	So. Facia
6	535	"	19'-9"	No. Facia	3	47	"	5'-9"	Sidewalk Slab
2	536	"	27'-5"	Transv. Span 1-2	2	48	"	6'-9"	"
2	537	"	27'-8"	"	1	49	"	6'-9"	"
2	538	"	27'-11"	"	1	410	"	6'-6"	"
2	539	"	28'-1"	"	1	411	"	7'-8"	"
2	540	"	27'-6"	"	1	412	"	7'-5"	"
2	541	"	27'-1"	"	1	413	"	8'-8"	"
2	542	"	26'-7"	"	1	414	"	8'-1"	"
2	543	"	26'-1"	"	1	415	"	8'-3"	"
2	544	"	25'-7"	"	1	416	"	6'-11"	"
2	545	"	25'-1"	"	1	417	"	7'-1"	"
2	546	"	24'-7"	"	1	418	"	5'-9"	"
2	547	"	24'-1"	"	1	419	"	6'-1"	"
2	548	"	23'-7"	"	1	420	"	4'-9"	"
2	549	"	23'-1"	"	1	421	"	10'-6"	"
2	550	"	22'-7"	"	1	422	"	11'-3"	"
2	551	"	22'-1"	"	1	423	"	12'-0"	"
2	552	"	21'-8"	"	1	424	"	12'-9"	"
2	553	"	21'-2"	"	9	Straight	"	29'-0"	"
2	554	"	20'-3"	"	9	"	"	19'-4"	"
2	555	"	20'-3"	"	6	"	"	6'-6"	"
2	556	"	19'-9"	"	6	"	"	8'-6"	"
2	557	"	19'-3"	"	1	"	"	9'-6"	"
2	558	"	18'-9"	"	1	"	"	10'-2"	"
2	559	"	18'-3"	"	1	"	"	11'-0"	"
2	560	"	17'-9"	"	1	"	"	12'-0"	"
2	561	"	17'-3"	"	4	"	"	9'-6"	So. Facia
2	562	"	16'-9"	"	2	"	"	31'-6"	"
2	563	"	16'-3"	"	76	"	3/8"	29'-3"	Rawly Slab Longit.
2	564	"	15'-9"	"	2	"	"	31'-6"	"
2	565	"	15'-3"	"	1	"	"	28'-8"	"
2	566	"	14'-9"	"	1	"	"	27'-5"	"
2	567	"	14'-4"	"	1	"	"	25'-2"	"
2	568	"	13'-10"	"	1	"	"	24'-0"	"
2	569	"	13'-4"	"	1	"	"	22'-10"	"
2	570	"	12'-10"	"	1	"	"	20'-10"	"
2	571	"	12'-4"	"	1	"	"	20'-0"	"
2	572	"	11'-10"	"	2	"	"	19'-2"	"
2	573	"	11'-4"	"	1	"	"	18'-3"	"
2	574	"	10'-10"	"	1	"	"	17'-9"	"
2	575	"	10'-4"	"	1	"	"	16'-9"	"
2	576	"	9'-11"	"	1	"	"	16'-4"	"
2	577	"	9'-5"	"	1	"	"	15'-9"	"
2	578	"	8'-11"	"	1	"	"	15'-0"	"
2	579	"	8'-5"	"	1	"	"	14'-5"	"
2	580	"	7'-11"	"	2	"	"	13'-6"	"
2	581	"	7'-5"	"	1	"	"	12'-8"	"
2	582	"	7'-3"	"	1	"	"	12'-3"	"
2	583	"	7'-0"	"	1	"	"	11'-3"	"
2	584	"	6'-10"	"	1	"	"	10'-9"	"
2	585	"	6'-6"	"	1	"	"	10'-4"	"
2	586	"	6'-4"	"	1	"	"	9'-6"	"
2	587	"	6'-2"	"	1	"	"	9'-0"	"
2	588	"	5'-11"	"	2	"	"	8'-0"	"
2	589	"	5'-8"	"	1	"	"	7'-0"	"
2	590	"	5'-5"	"	1	"	"	6'-7"	"
2	591	"	5'-3"	"	1	"	"	5'-7"	"
2	592	"	5'-2"	"	1	"	"	5'-2"	"
2	593	"	5'-1"	"	1	"	"	4'-8"	"
2	594	"	5'-0"	"	1	"	"	4'-5"	"
2	595	"	4'-10"	"	1	"	"	3'-4"	"
2	596	"	4'-9"	"	1	"	"	2'-9"	"
2	597	"	4'-8"	"	1	"	"	29'-6"	End.
2	598	"	4'-7"	"	2	"	3/8"	16'-6"	"
2	599	"	4'-6"	"	4	"	"	15'-0"	"
2	5100	"	4'-5"	"	4	"	1/2"	29'-2"	So. Facia
2	5101	"	4'-4"	"	8	5104	5/8"	32'-8"	So. Curb Beam
2	5102	"	4'-3"	"	6	Straight	1/2"	6'-0"	Handhole Reinf.
2	5103	"	4'-2"	"					

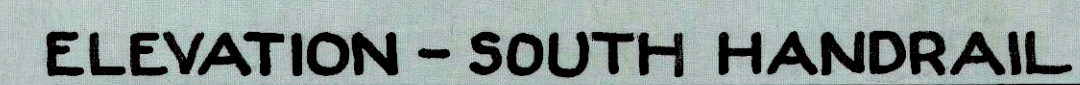
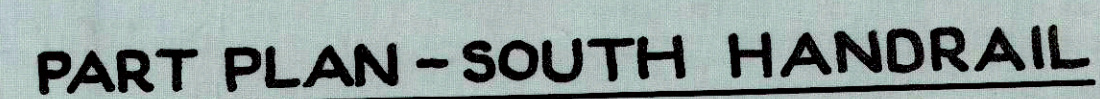
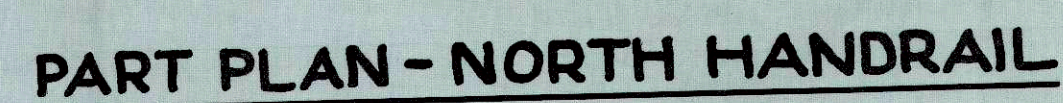
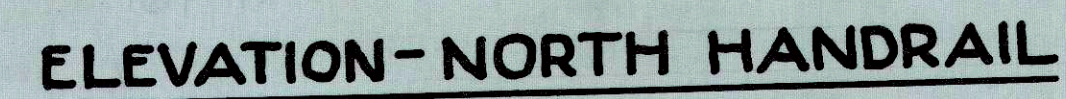
ESTIMATED QUANTITIES			QUANTITY	UNIT
CONCRETE			74	Cu. Yd.
REINFORCING STEEL			14265	Lbs.
BEAM ANCHORS			85	Each

CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
**PROPOSED WIDENING & IMPROVEMENT
SEVENTH ST.
MAIN ST. TO CULVERT ST.
RAMP CONN. TO GILBERT AVE. VIADUCT
DECK DETAILS - SPANS 1-2 & 2-3**
SCALE: AS SHOWN MARCH 1, 1949 ISSUE I
SUBMITTED BY *R. E. Barrios* RECOMMENDED BY *W. H. H. H. H.*
PRINCIPAL ENGINEER - STRUCTURES CITY ENGINEER
RECOMMENDED BY *R. E. Barrios* APPROVED BY *W. H. H. H. H.*
DIRECTOR OF PUBLIC WORKS CITY MANAGER
ACC. NO 26177

ESTIMATED QUANTITIES

Notes:

For Details of Plate and Anchors for intermediate posts, see	Acc. N ^o	26178	
For Details of Annealed Steel Casting for	"	Acc. N ^o	26178
For Reinf. Steel bending details and spacing of Reinf.	"	Acc. N ^o	26178



PRINTS NOT BEARING THIS STAMP
WERE MADE PRIOR TO ADVERTISING
FOR BIDS AND ARE TO BE CONSID-
ERED OBSOLETE FOR CONTRACT
PURPOSES

SCALE : $\frac{1}{8}'' = 1'-0''$

MARCH 1, 1949

ISSUE I

SUBMITTED J. A. McLawren
PRINCIPAL ENGINEER - STRUCTURES

RECOMMENDED 7-1-15
CITY ENGINEER

RECOMMENDED R. G. Savvis
DIRECTOR OF PUBLIC WORKS

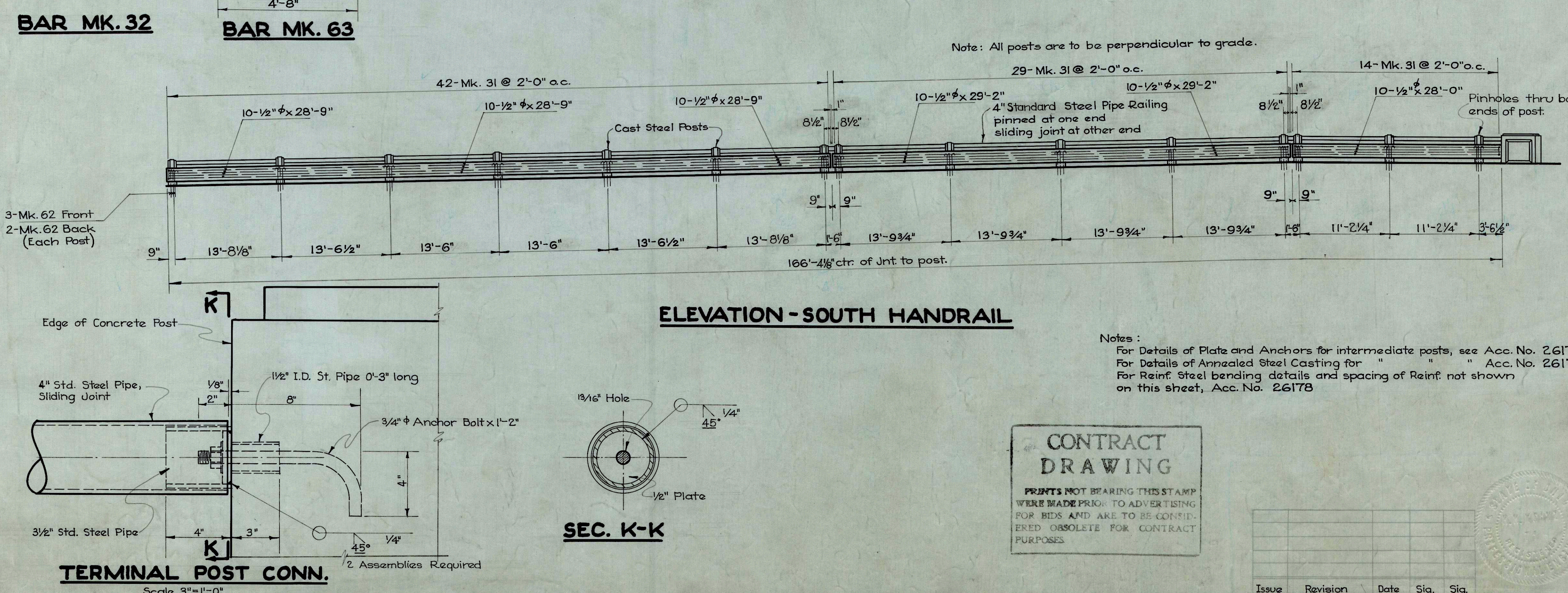
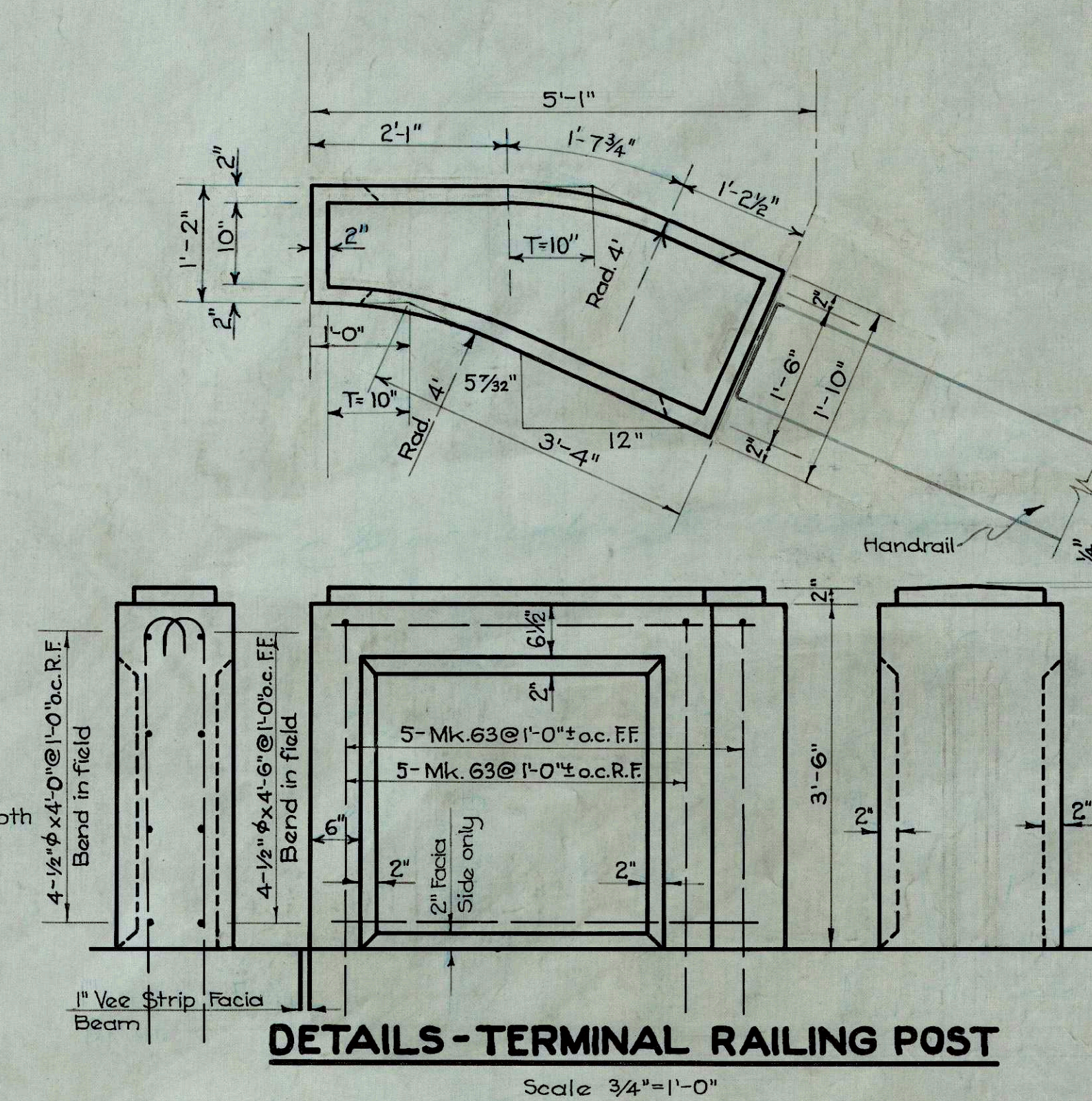
APPROVED *W. H. ...*
CITY MANAGER

Issue	Revision	Date	Sig.	Sig.
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22-9-19

Designed C.M.H.
Drawn C.M.H.
Checked L.D.B.
Traced H.T.B.
Reviewed J. Gault

ESTIMATED QUANTITIES		
ITEM	QUANTITY	UNIT
Reinforcing Steel	3400	Lbs.
Concrete	19	Cu. Yds.
4" Standard Steel Pipe	280	Lin. Ft.
1/2" St. Pipe x 6' lg.	52	"
3/4" x 1-6" Anchors, Nuts & Washrs.	52	Each.
Cast Steel Intermed. Posts	26	"
10"x1/2"x0'-11" St. Pts.	26	"
3/8" x 6' Railing Pines	28	"
3/4" x 1/2" x 1-2 Anchors, Nuts & Washrs.	2	"
1/2" St. Pipe x 3' long	2	"
3/16" Std. Steel Pipe, 9'-4"	2	"



Notes :
For Details of Plate and Anchors for intermediate posts, see Acc. No. 26178
For Details of Annealed Steel Casting for " " " Acc. No. 26178
For Reinf. Steel bending details and spacing of Reinf. not shown
on this sheet, Acc. No. 26178

CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROPOSED WIDENING & IMPROVEMENT
SEVENTH ST.
MAIN ST. TO CULVERT ST.
RAMP CONN. TO GILBERT AVE. VIADUCT
HANDRAIL DETAILS - SHEET 3 of 3

SCALE : 1/8" = 1'-0"

MARCH 1, 1949

ISSUE 1

SUBMITTED *D. A. McElwain*
PRINCIPAL ENGINEER - STRUCTURES

RECOMMENDED *W. J. Kram*
CITY ENGINEER

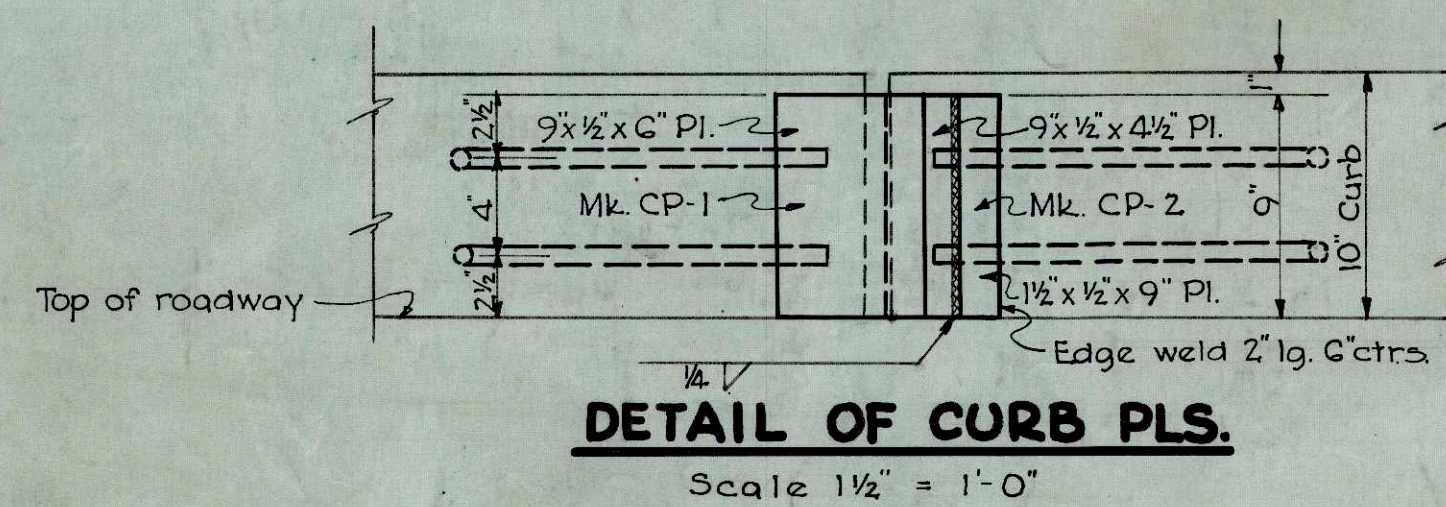
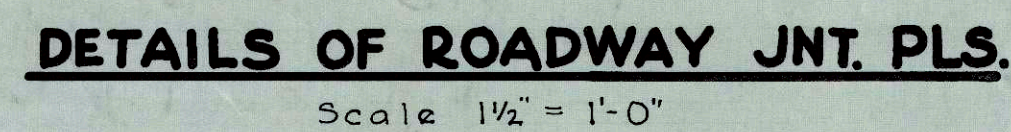
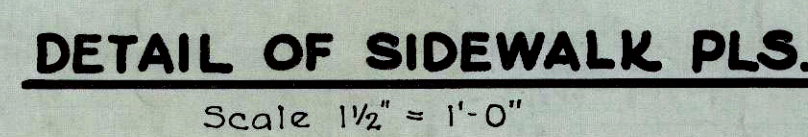
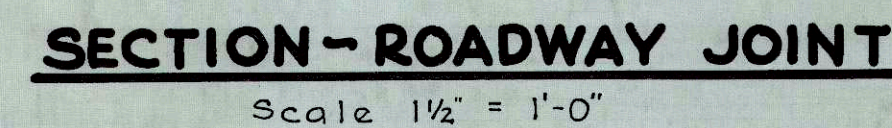
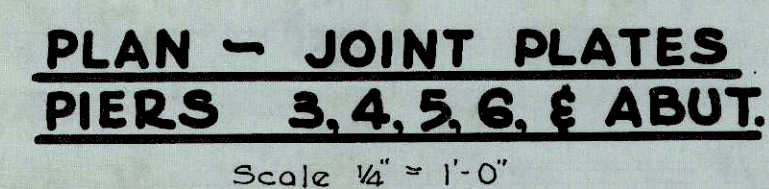
RECOMMENDED *R. G. Barvis*
DIRECTOR OF PUBLIC WORKS

APPROVED *W. J. Kram*
CITY MANAGER

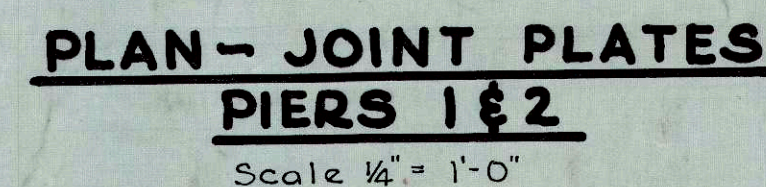
ACC. NO 26180

(20)

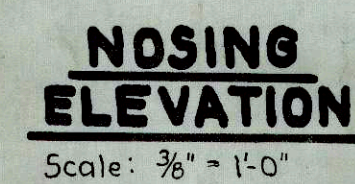
Designed C.M.H.
Drawn C.M.H.
Checked L.D.B.
Traced H.T.B.
Reviewed *J. (initials)*



No.	Mark	Size	Length
2	4100	$\frac{1}{2}$ " ϕ	8'-7"
6	Str.	"	10'-6"
10	"	"	2'-0"
2	"	"	1'-6"



PLAN ~ NOSING
Scale: $\frac{3}{8}'' = 1'-0''$



NOSING ~ EST. QUANT.	
Reinforcing Steel	70 lbs.
Concrete Masonry	4 c.y.

CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

**PROPOSED WIDENING & IMPROVEMENT
SEVENTH ST.
MAIN ST. TO CULVERT ST.
RAMP CONN. TO GILBERT AVE. VIADUCT
JOINT PLATE DETAILS**

SCALES : AS SHOWN MARCH 1, 1949 ISSUE I

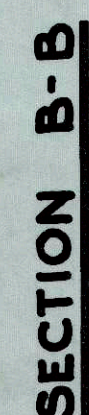
SUBMITTED D. H. McInerney RECOMMENDED 1st Lt. Krang
PRINCIPAL ENGINEER - STRUCTURES CITY ENGINEER

RECOMMENDED R. G. Davis APPROVED W. H. [Signature]
DIRECTOR OF PUBLIC WORKS CITY MANAGER

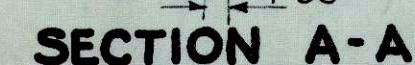
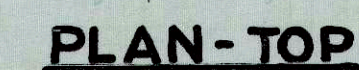
ACC. NO 26181

22-9-21

Designed	C.M.H.
Drawn	C.M.H.
Checked	L.D.B.
Traced	E.S.B.
Reviewed	J. Bailey



Scale $\frac{1}{4}" = 1'-0"$

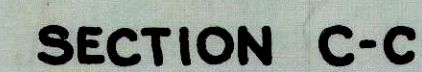


DETAILS - CAST IRON INLET

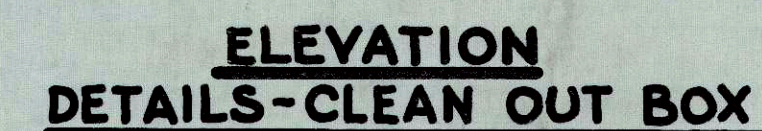
Scale $1\frac{1}{2}" = 1'-0"$



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



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



Scale $\frac{3}{4}" = 1'-0"$

CONTRACT DRAWING

PRINTS NOT BEARING THIS STAMP
WERE MADE PRIOR TO ADVERTISING
FOR BIDS AND ARE TO BE CONSID-
ERED OBSOLETE FOR CONTRACT
PURPOSES

ESTIMATED QUANTITIES		
ITEM	QUANTITY	UNIT
Cast Iron Inlet	1	Each
Clean Out Box	1	"
6" O.D. x $\frac{1}{4}$ " thick Spiral Weld Pipe	17	Lin. Ft.
1 $\frac{1}{2}$ " x $\frac{3}{8}$ " Galv. W.I. Pipe Hangers	2	Each
12" Pipe Sewer	14	Lin. Ft.

CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
PROPOSED WIDENING & IMPROVEMENT
SEVENTH ST.
MAIN ST. TO CULVERT ST.
RAMP CONN. TO GILBERT AVE. VIADUCT
DRAINAGE DETAILS

SCALE AS NOTED MARCH 1, 1949

ISSUE 1

SUBMITTED D. A. McInerney
PRINCIPAL ENGINEER-STRUCTURES

RECOMMENDED J.H.J. Gram
CITY ENGINEER

RECOMMENDED R. G. Sarvis
DIRECTOR OF PUBLIC WORKS

APPROVED *Arthur J. [Signature]*
CITY MANAGER

ACC. № 26182

(2)

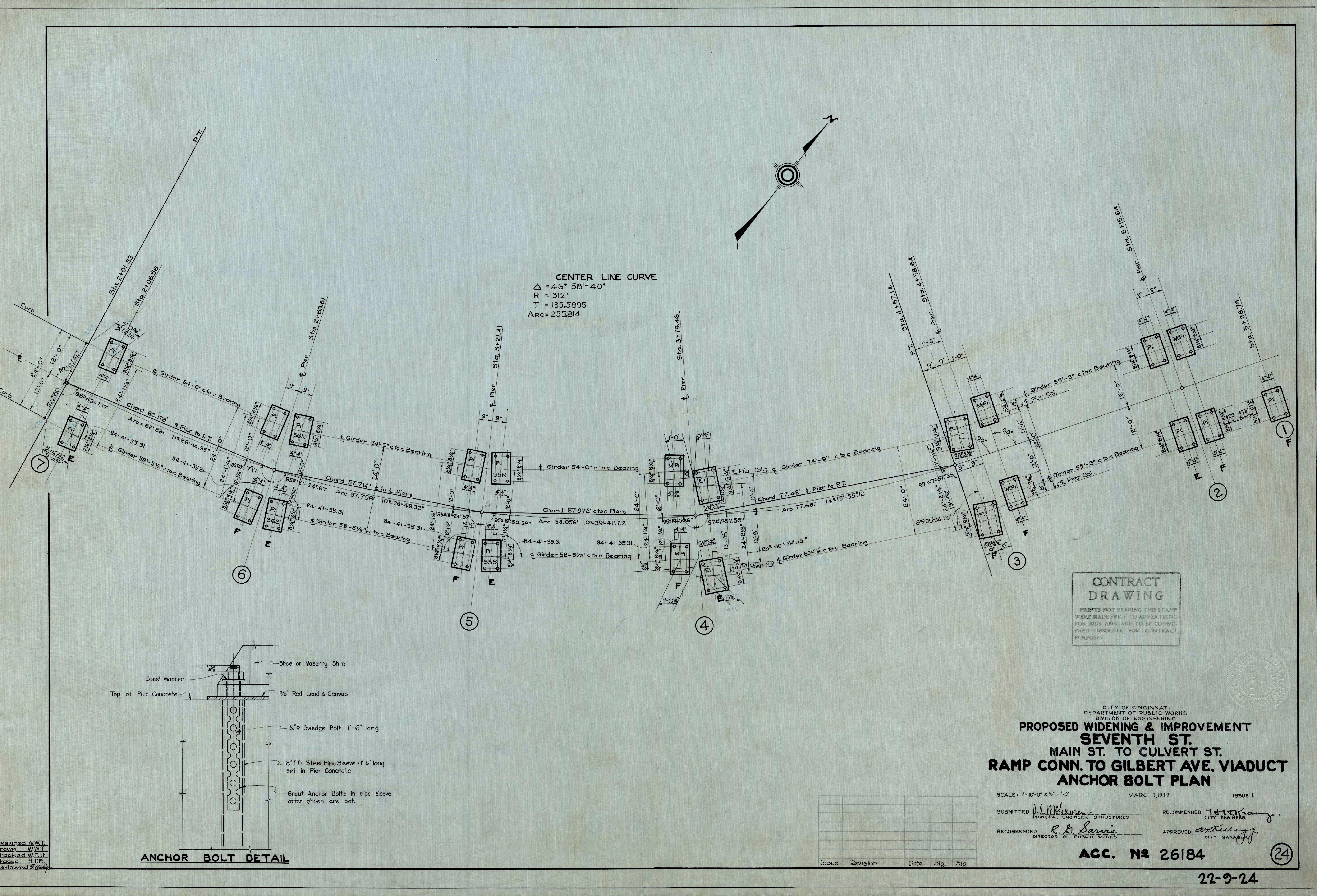
22-9-22

Issue	Revision	Date	Sig.	Sig.

Issue	Revision	Date	Sig.	Sig.
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Designed	C.M.H.
Drawn	C.M.H.
Checked	L.D.B.
Traced	E.S.B.
Reviewed	J. Carley

22-9-23



**CONTRACT
DRAWING**

PRINTS NOT BEARING THIS STAMP
WERE MADE PRIOR TO ADVERTISING
FOR BIDS AND ARE TO BE CONSID-
ERED OBSOLETE FOR CONTRACT
PURPOSES

CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

**PROPOSED WIDENING & IMPROVEMENT
SEVENTH ST.
MAIN ST. TO CULVERT ST.
RAMP CONN. TO GILBERT AVE. VIADUCT
ANCHOR BOLT PLAN**

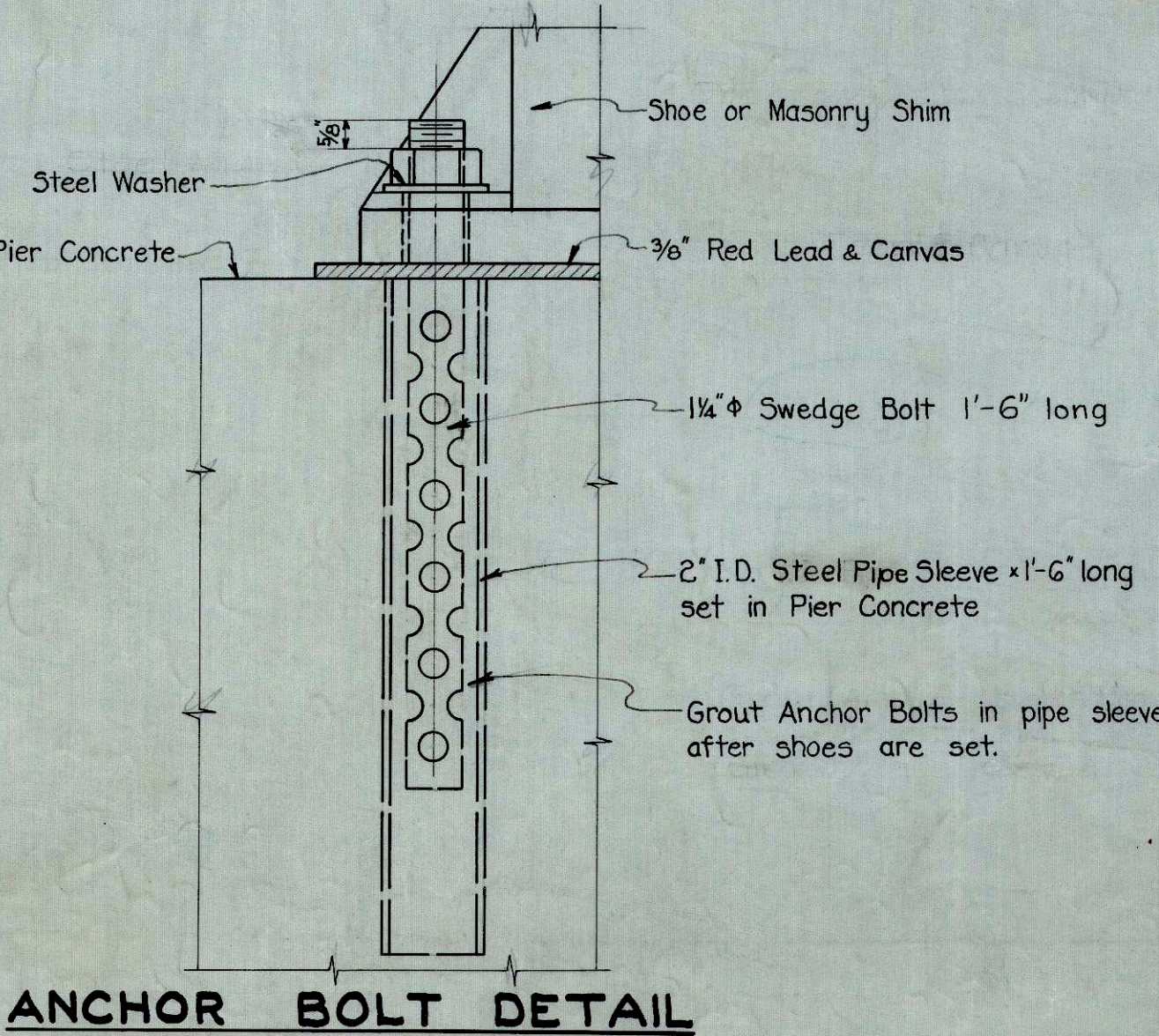
SCALE: 1" = 10'-0" & 1/2" = 1'-0" MARCH 1, 1949 ISSUE 1

SUBMITTED *D. A. McQuinn*
PRINCIPAL ENGINEER - STRUCTURES RECOMMENDED *J. H. Harty*
CITY ENGINEER

RECOMMENDED *R. B. Sarvis*
DIRECTOR OF PUBLIC WORKS APPROVED *Arthur J. ...*
CITY MANAGER

ACC. N2 26184

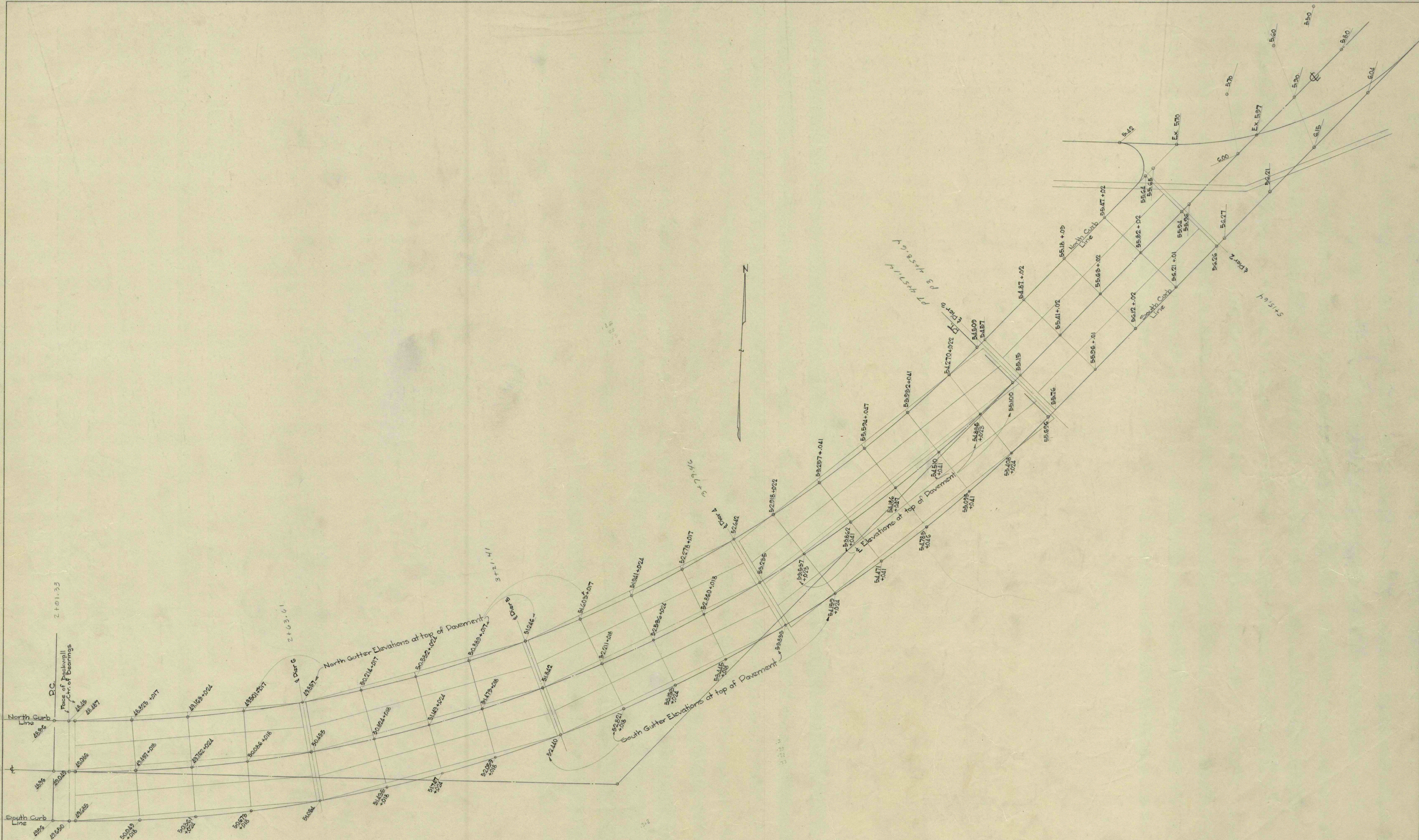
(24)



Designed W.W.T.
Drawn W.W.T.
Checked W.F.H.
Traced H.T.B.
Reviewed J. Kelly

Issue	Revision	Date	Sig.	Sig.

22-9-24



CITY OF CINCINNATI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
SEVENTH ST.
RAMP CONN. TO GILBERT AVE. VIADUCT
PAVEMENT ELEVATIONS
Scale 1"=10' November 1949

ACC. NO 26233

22-9-25