

CITY OF DETROIT BENCH MARKS

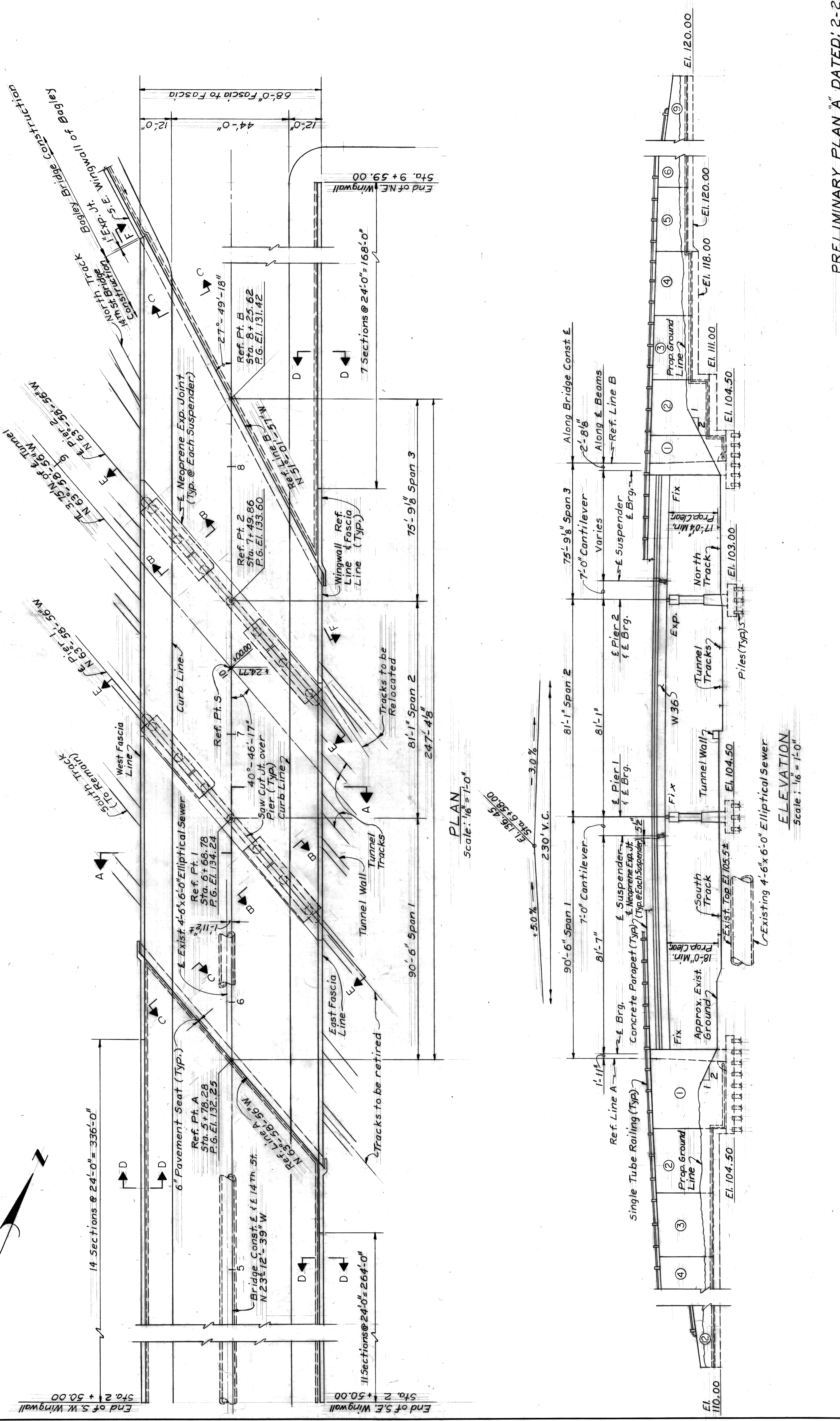
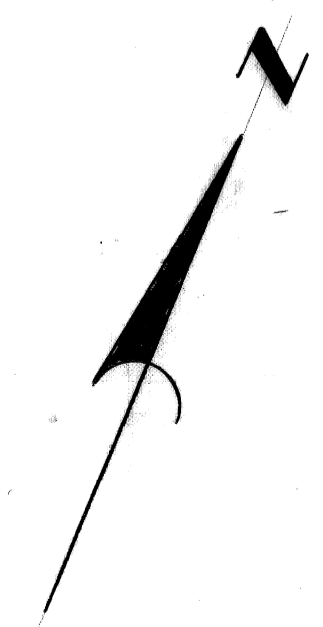
Number	Location	Elevation
18-255	4'S. of N. R. Howard St. & 4' W. of E. R. 18 Th St.	112.323
18-255-A	4'S. of N. R. Howard St. & 4' W. of E. R. 16 Th St.	111.299
19-254	5' N. of S. R. Newark & 5' W. of E. R. 18 Th St.	103.347
19-254-A	5' N. of S. R. Newark & 7' E. of W. R. 16 Th St.	111.582

NOTES:

- o Denotes point of intersection
 - ▲ Denotes point of intersection of traverse lines
 - ⊙ Number designation of traverse line intersections
- Elevations given are referred to City of Detroit Datum, which is 479.755 ft. above sea level.

PRELIMINARY PLAN "A" DATED: 2-23-71

<p>CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE</p>		<p>DESIGNED BY</p>		<p>APPROVED</p>	
<p>DETROIT HOUSING COMMISSION</p>		<p>DRAWN BY J. J.</p>		<p>REVISIONS LOCATED BY COORDINATES ON SHEET</p>	
<p>FOR</p>		<p>TRACED BY</p>		<p>CITY ENGINEER</p>	
<p>WEST SIDE INDUSTRIAL REHABILITATION PROJECT NO 2 14 TH ST. BRIDGE CROSSING THE P.C.R.R.</p>		<p>CHECKED BY B. COMLY</p>		<p>SHEET 2 OF 5 SHEETS</p>	
<p>GENERAL DRAWING</p>		<p>DATE 10-70</p>		<p>JOB NO. A01676A</p>	
<p>DRWG NO.</p>		<p>DATE</p>		<p>10-70</p>	

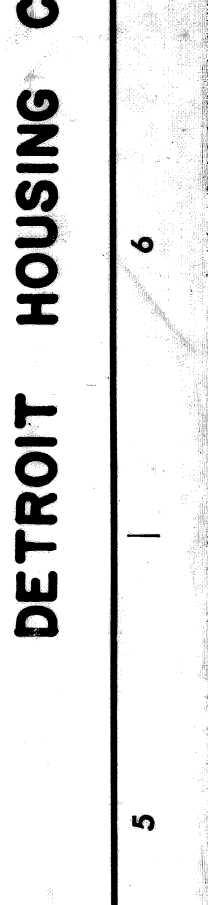
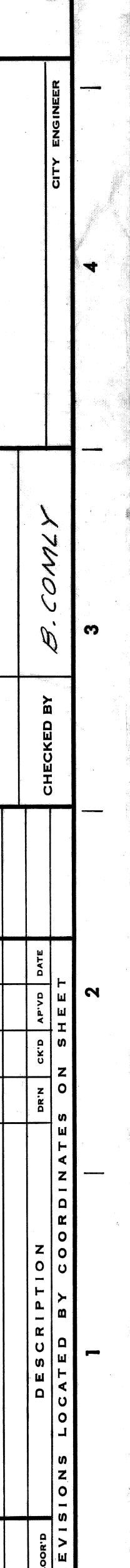
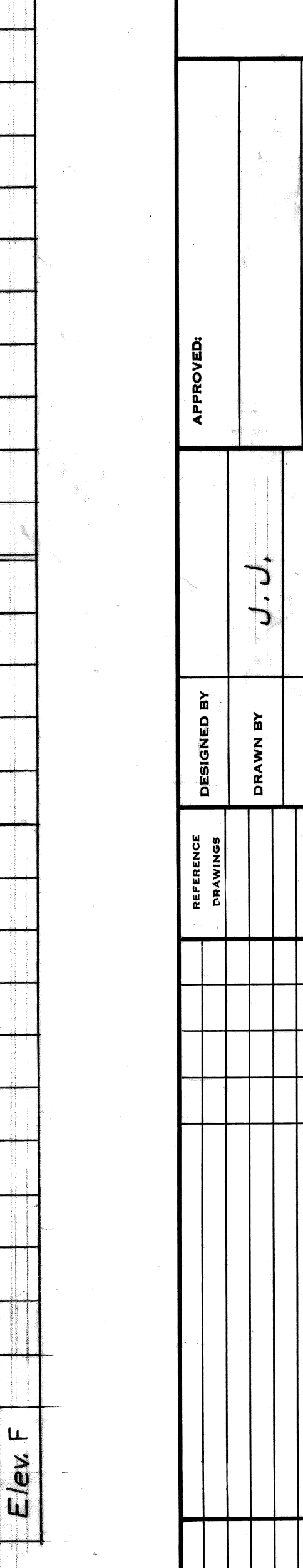
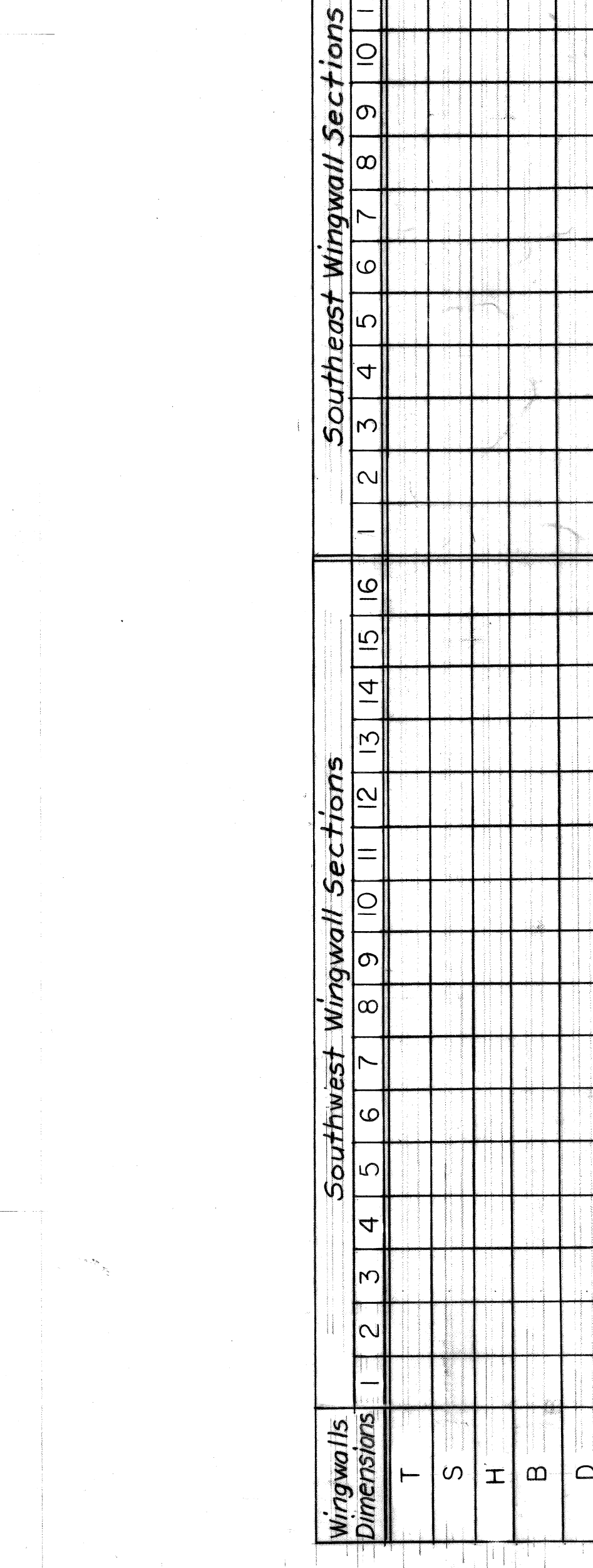
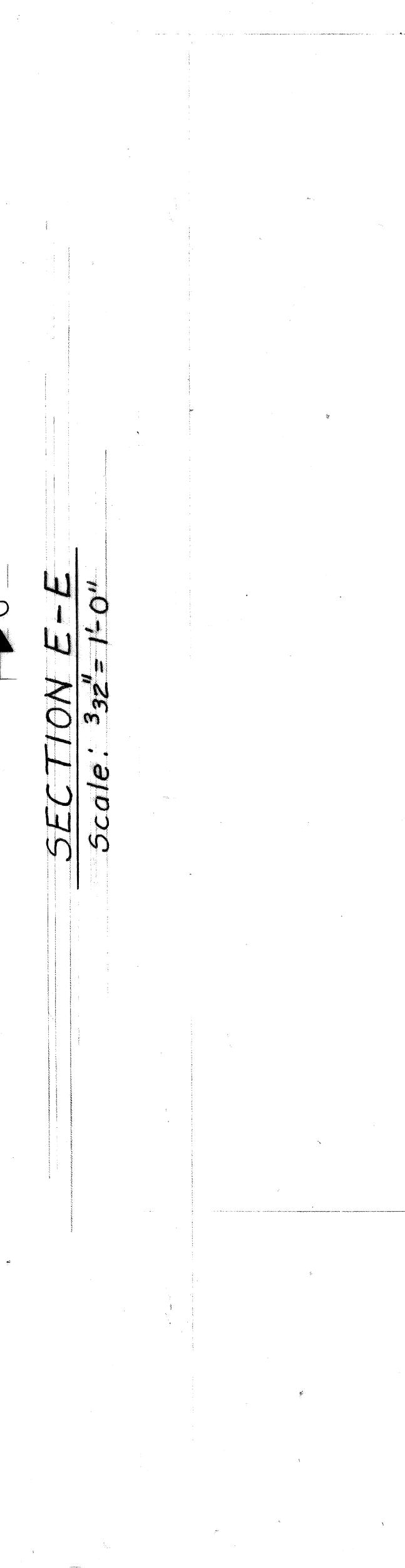
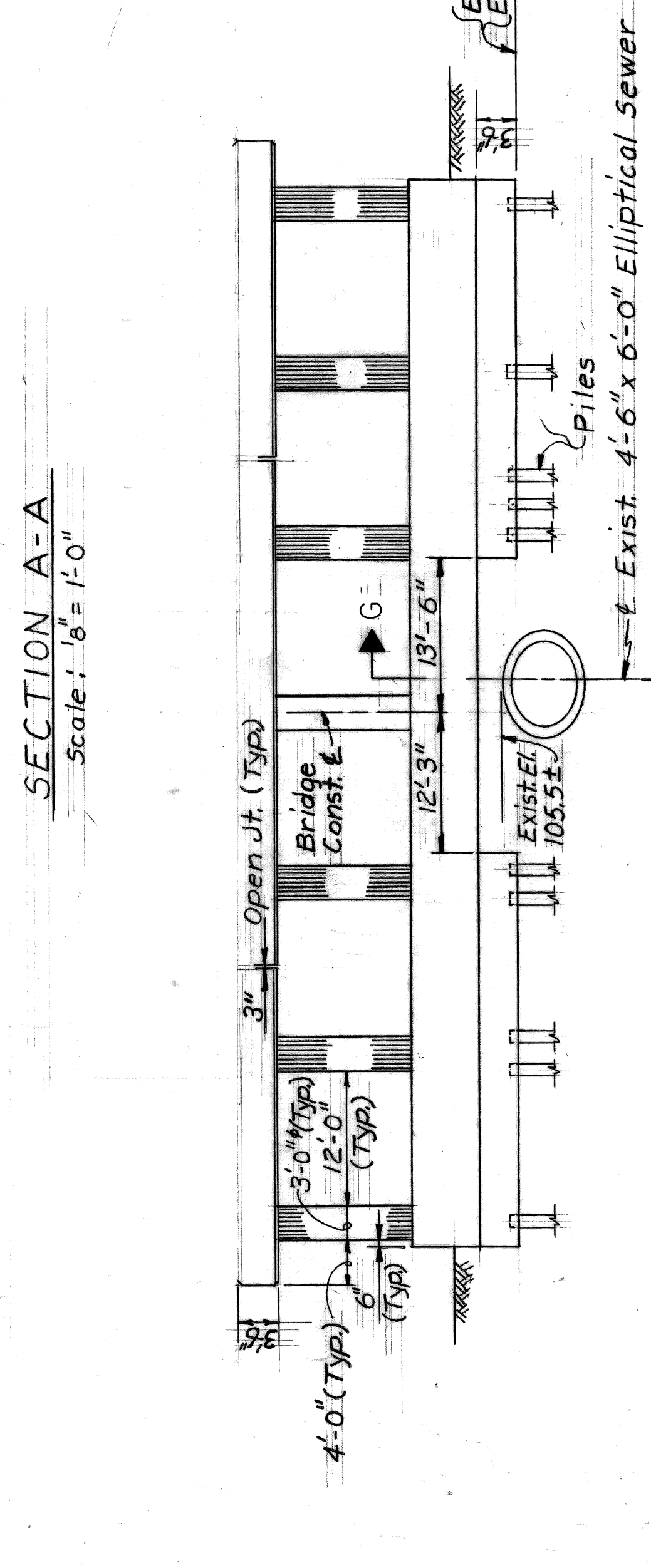
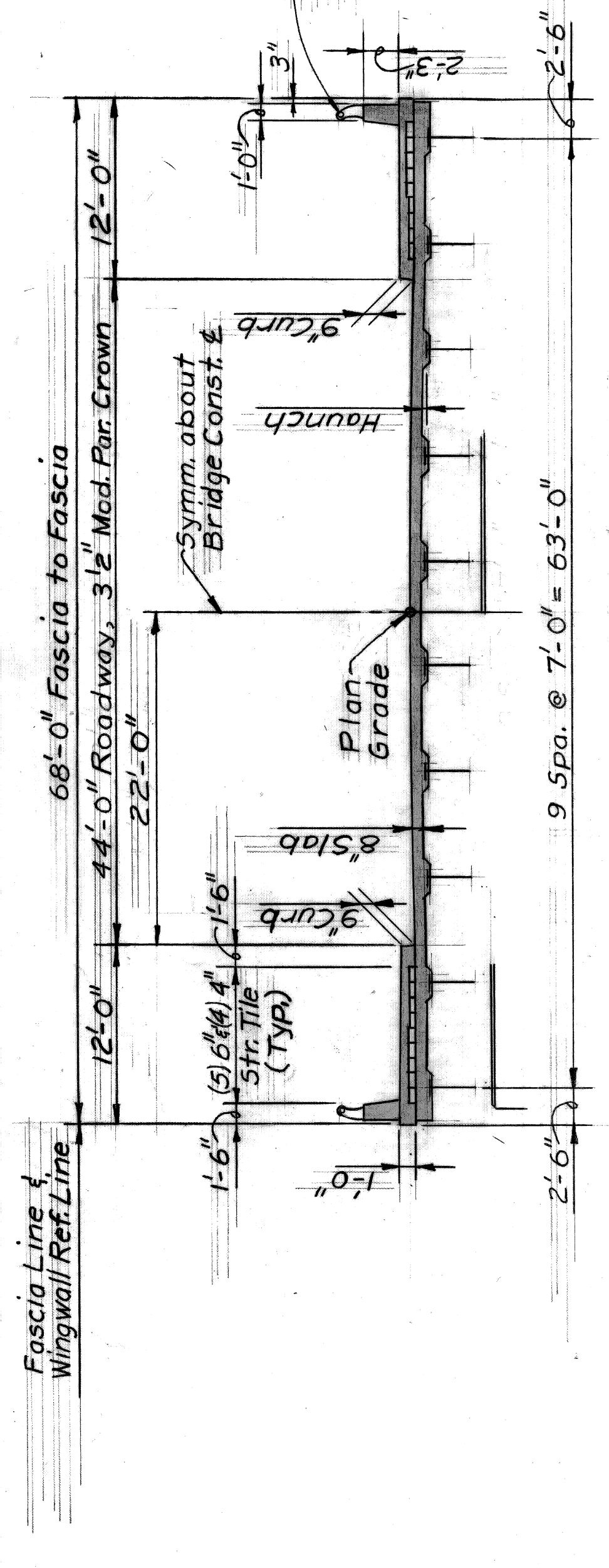


PLAN
Scale: 1/16" = 1'-0"

ELEVATION
Scale: 1/16" = 1'-0"

PRELIMINARY PLAN "A" DATED: 2-23-71

WEST SIDE INDUSTRIAL REHABILITATION PROJECT NO 2 14 TH ST. BRIDGE CROSSING THE P.C.R.R.	SHEET 3 OF 5 SHEETS JOB NO. AO 1676A DRWG NO. 1-71
CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE	DETROIT HOUSING COMMISSION FOR
DESIGNED BY DRAWN BY TRACED BY CHECKED BY	APPROVED J. J. E. COMLY
REVISIONS LOCATED BY COORDINATES ON SHEET	CITY ENGINEER



GENERAL NOTES:
 The design of this structure is based on current AASHTO Standard Specifications for Highway Bridges, HS20-44 Loading.
 Live load plus impact deflection = 1/1000 of span length and 1/350 of cantilever arm.
 Top of roadway slab and top of curbs are parallel to the vertical curve.
 Tamped Clay is incidental to foundation excavation.
 Granular Material Grade B is incidental to Foundation Drain.
 P.G. denotes Plan Grade.
 J.W.P. denotes Joint Water Proofing.

Wingwall Dimensions	Southeast Wingwall Sections												Northwest Wingwall Sections											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
T																								
S																								
H																								
B																								
D																								
Elev. F																								

PRELIMINARY PLAN "A" DATED: 2-23-71

WEST SIDE INDUSTRIAL REHABILITATION PROJECT NO 2
14 TH ST. BRIDGE CROSSING THE P.C.R.R.

GENERAL PLAN OF STRUCTURE

CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE

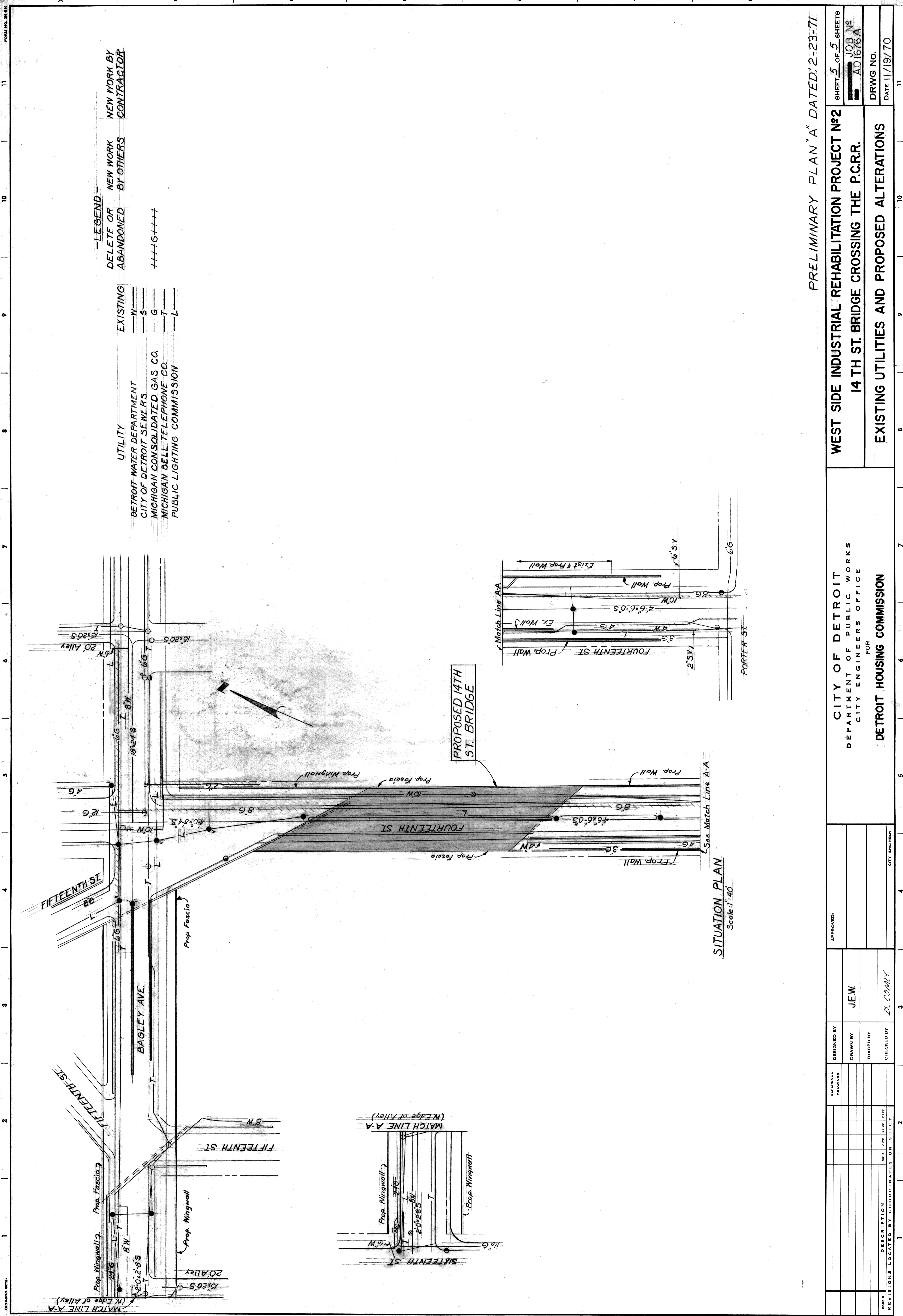
FOR
DETROIT HOUSING COMMISSION

DESIGNED BY: J.J.
 DRAWN BY: J.J.
 TRACED BY: B.COMLY
 CHECKED BY: B.COMLY

APPROVED: _____

REVISIONS LOCATED BY COORDINATES ON SHEET

SHEET 4 OF 5 SHEETS
 CONTRACT NO. _____
 DRWG NO. 1-71
 DATE 1-71



-LEGEND-
 DELETE OR ABANDONED
 NEW WORK BY OTHERS
 NEW WORK BY CONTRACTOR

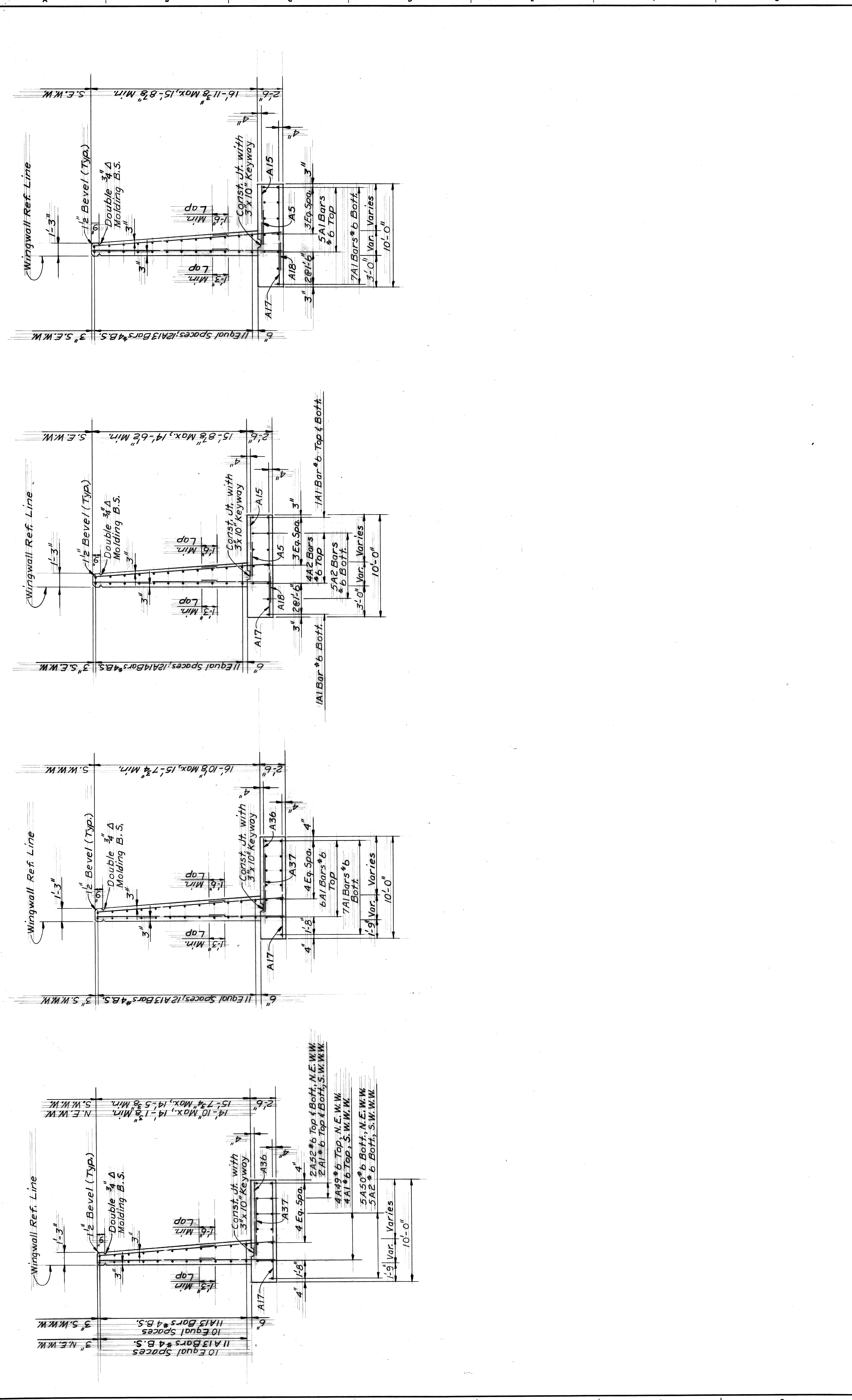
EXISTING
 W
 S
 G
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 L

UTILITY
 DETROIT WATER DEPARTMENT
 CITY OF DETROIT SEWERS
 MICHIGAN CONSOLIDATED GAS CO.
 MICHIGAN BELL TELEPHONE CO.
 PUBLIC LIGHTING COMMISSION

SITUATION PLAN
 Scale: 1"=40'

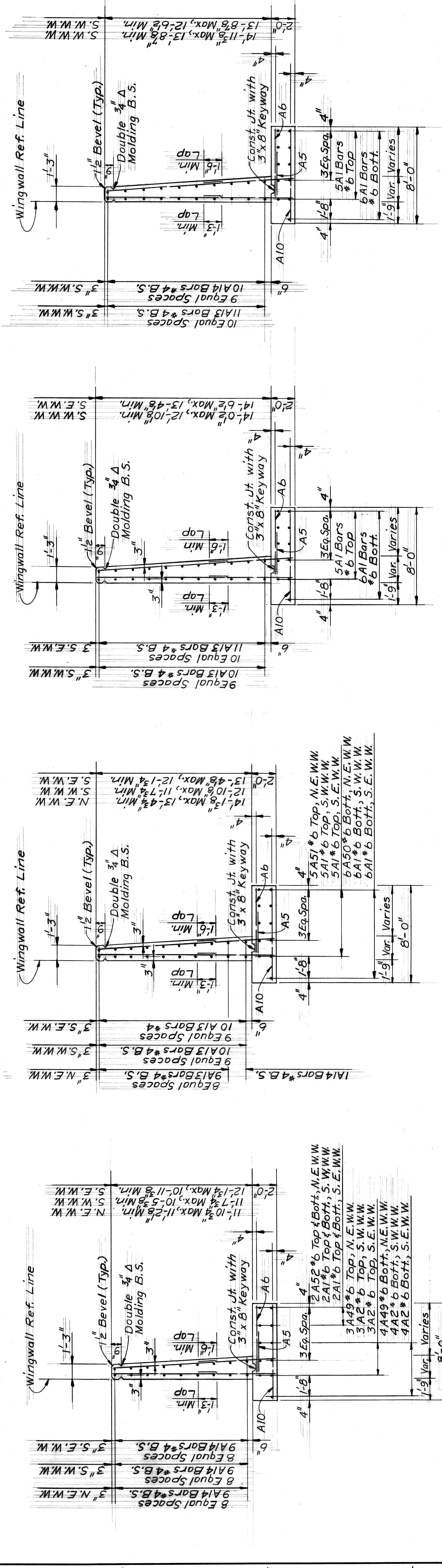
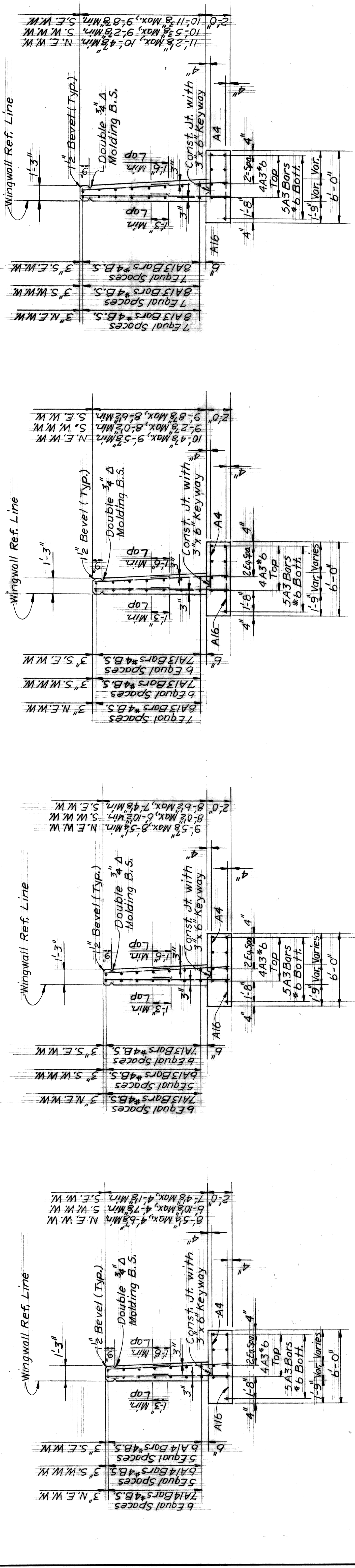
PRELIMINARY PLAN "A" DATED: 2-23-71

SHEET 5 OF 5 SHEETS JOB NO. A01676A DRWG NO. DATE 11/19/70		WEST SIDE INDUSTRIAL REHABILITATION PROJECT N°2 14 TH ST. BRIDGE CROSSING THE P.C.R.R. EXISTING UTILITIES AND PROPOSED ALTERATIONS	
CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR DETROIT HOUSING COMMISSION		APPROVED:	DESIGNED BY:
REVISIONS LOCATED BY COORDINATES ON SHEET		DRAWN BY: J.E.W.	CHECKED BY: B. COMLY
NO.	DATE	CITY ENGINEER	CITY ENGINEER



SHEET ___ OF ___ SHEETS		CONTRACT No.		DRWG No.		DATE	
CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR							
DESIGNED BY		DRAWN BY		TRACED BY		CHECKED BY	
REFERENCE DRAWINGS		APPROVED:		CITY ENGINEER			
REVISIONS LOCATED BY COORDINATES ON SHEET		DATE		DATE		DATE	
1		2		3		4	
5		6		7		8	
9		10		11			

1101676A



CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR		SHEET ___ OF ___ SHEETS	
APPROVED:		CONTRACT NO.	
DESIGNED BY		DRAWING NO.	
DRAWN BY		DATE	
TRACED BY		DRAWING NO.	
CHECKED BY		DATE	
DESCRIPTION		11 AD1676A	
REVISIONS LOCATED BY COORDINATES ON SHEET			

STRUCTURAL STEEL NOTES:

Design: Michigan Department of State Highways Specifications for Design of Highway Bridges - 1958 edition and current AASHTO Standard Specifications for Highway Bridges, HS 20 Loading

Fabrication: Michigan Department of State Highways Standard Specifications for Highway Construction - 1970 edition.

Shop Connections: Shop Connections shall be welded as shown on the plans.

Field Connections: Field Connections shall be bolted with $\frac{3}{4}$ " high-strength bolts.

Camber: The beams are to have a camber with ordinates as shown on the camber diagram. This camber is to be measured with the beam lying on its side. Allowable camber tolerance shall be $\pm \frac{1}{4}$ " (at center). Heating is to be used if necessary to assure camber permanency within the above tolerance.

Dead Load Deflections: The dead load deflections of the beams are as shown on the deflection diagram.

Anchor Bolts: Anchor Bolt lengths shown are minimum. Bolts longer than those shown may be furnished at no additional cost.

Galvanizing: All steel material used for bearings, with exception of portion welded to beams, shall be galvanized in accordance with A.S.T.M. Designation A153. Galvanizing shall be applied after fabrication of bearing. Mill scale and foreign material shall be removed prior to galvanizing. Position and Anchor Bolts including nuts and washers shall be galvanized in accordance with A.S.T.M. Designation A153.

Material: Structural Steel shall conform to A.S.T.M. A368. Bronze for washers shall be A.S.T.M. B100 or A.S.T.M. B22. Steel in Anchor Bolts may be A.S.T.M. A307.

Painting: Structural Steel shall not be painted (except as noted on Plans).

Shear Developers: The weight of shear developers is not included in the weight of Structural Steel. Furnishing of studs and welding of studs to beam flanges is included in bid item 'Shear Developers.'

QUANTITIES

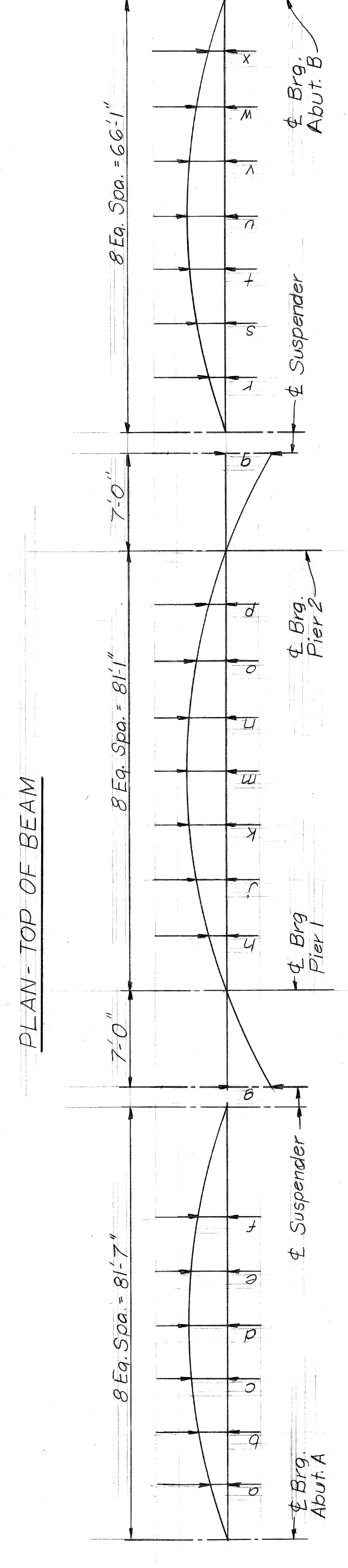
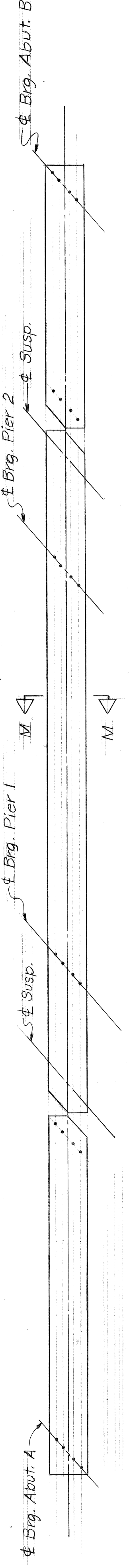
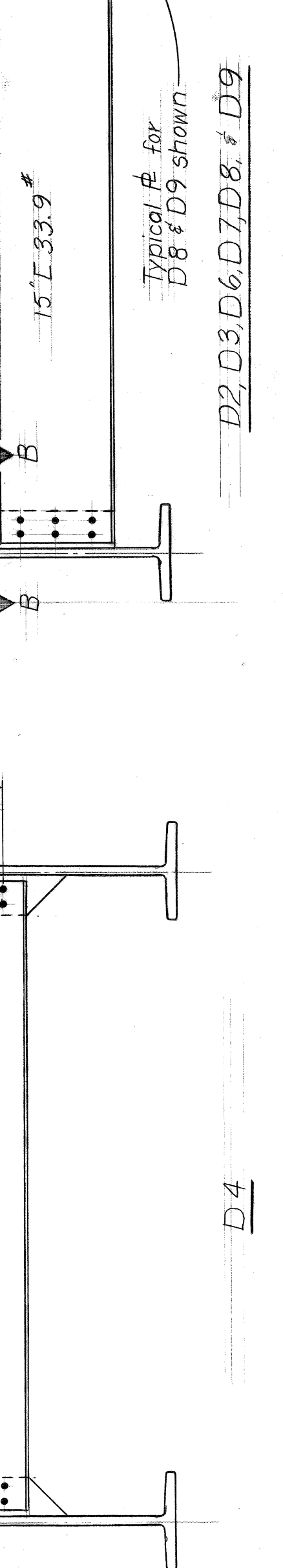
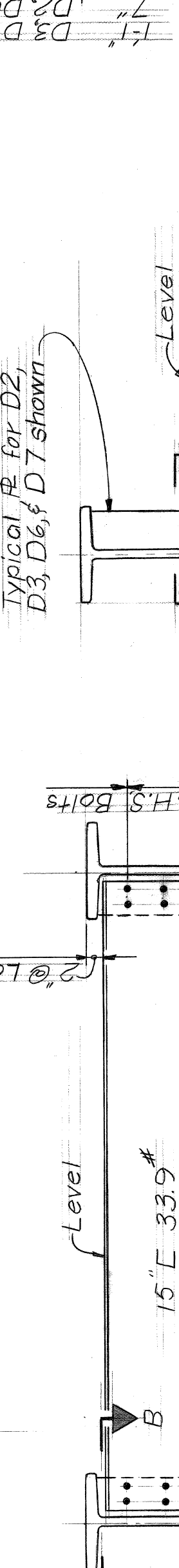
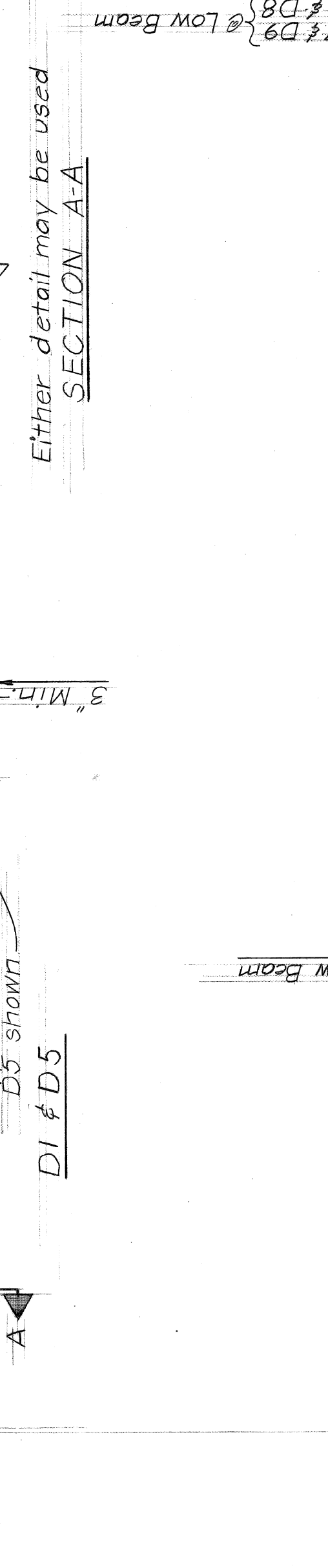
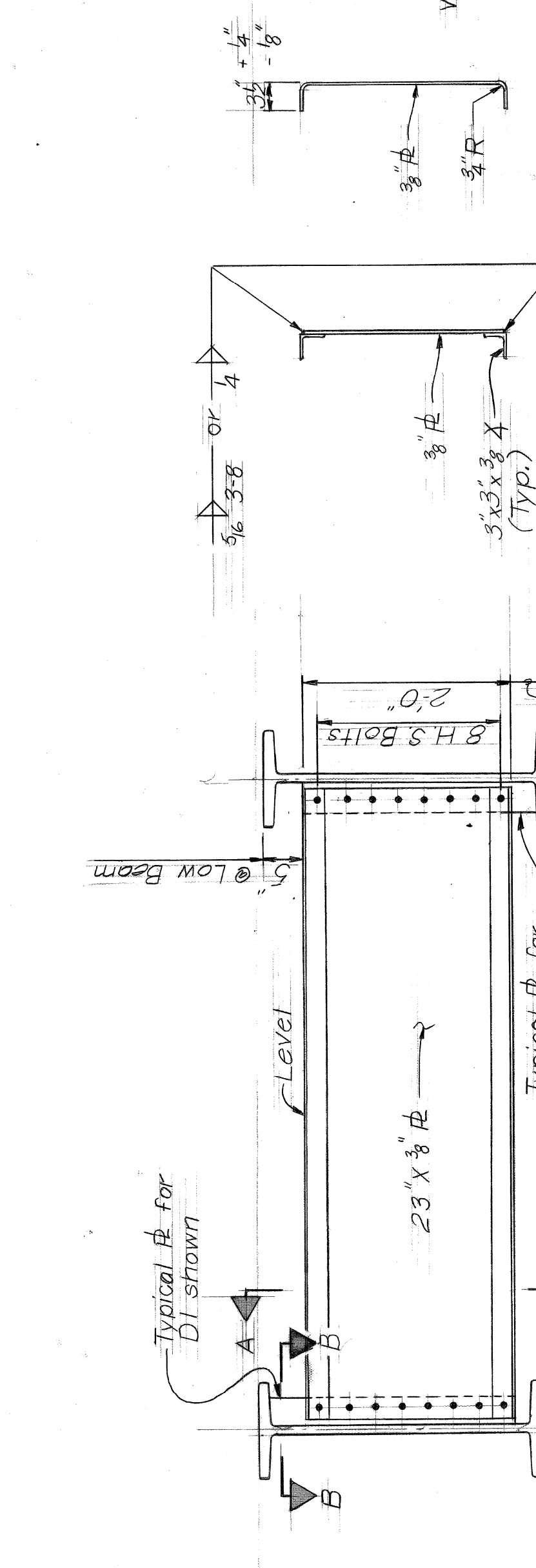
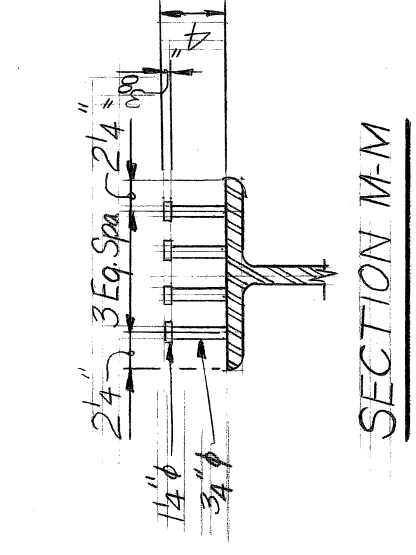
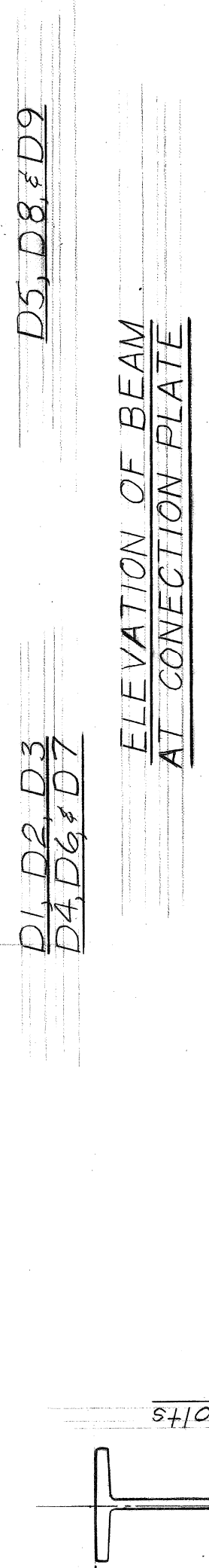
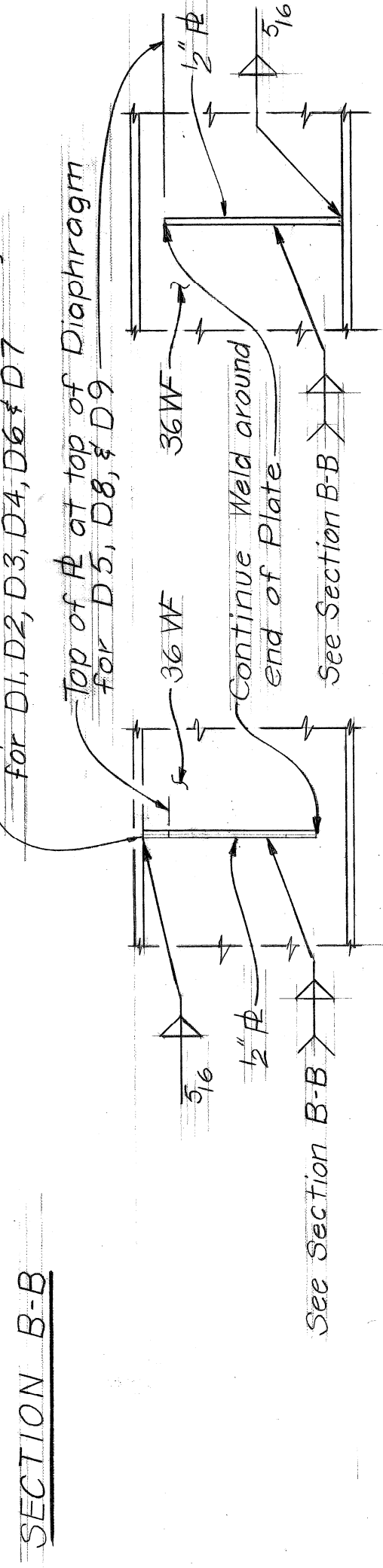
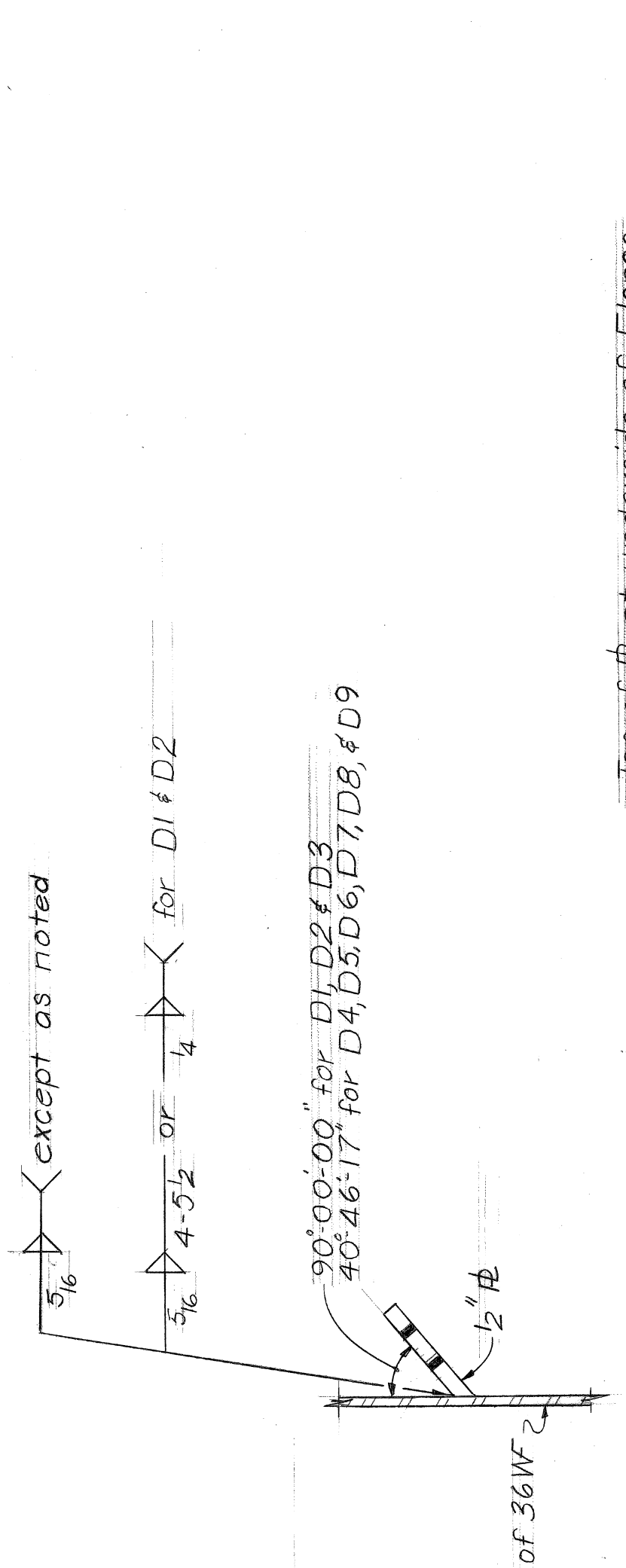
Structural Steel - Furnishing and Fabricating (A-388 Rolled)
Structural Steel - Erection (A-388 Rolled)
Shear Developers

* Consists of:
A.S.T.M. A-388 Steel
Shear Lead
Bronze

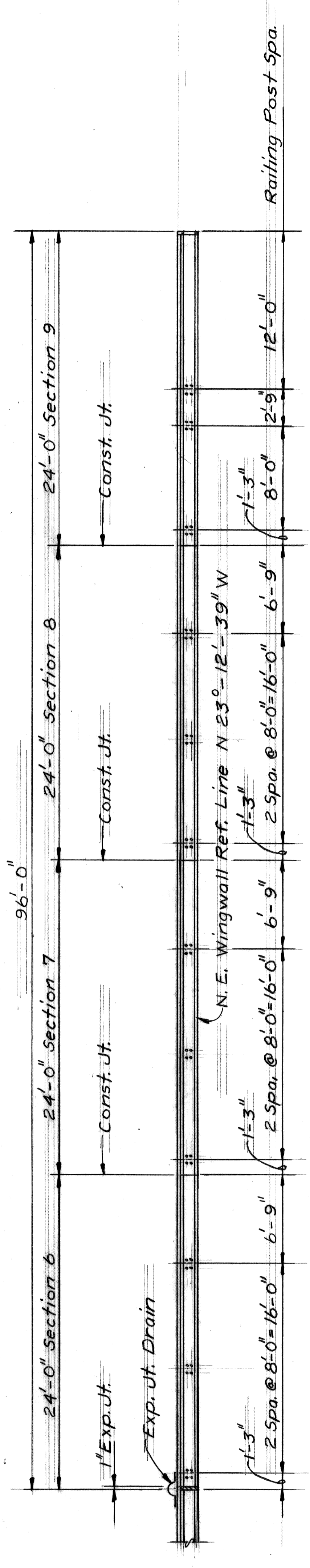
Lump Sum

CAMBER AND DEFLECTION

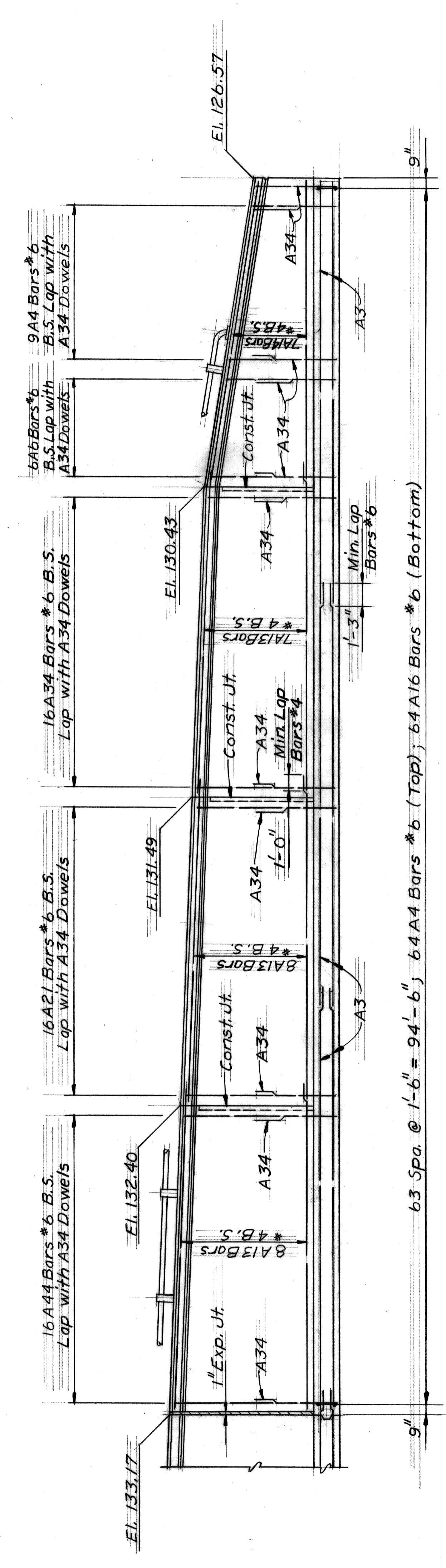
Beam	Ord.	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x
A																									
B																									
C																									
D																									
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G																									
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J																									
K																									



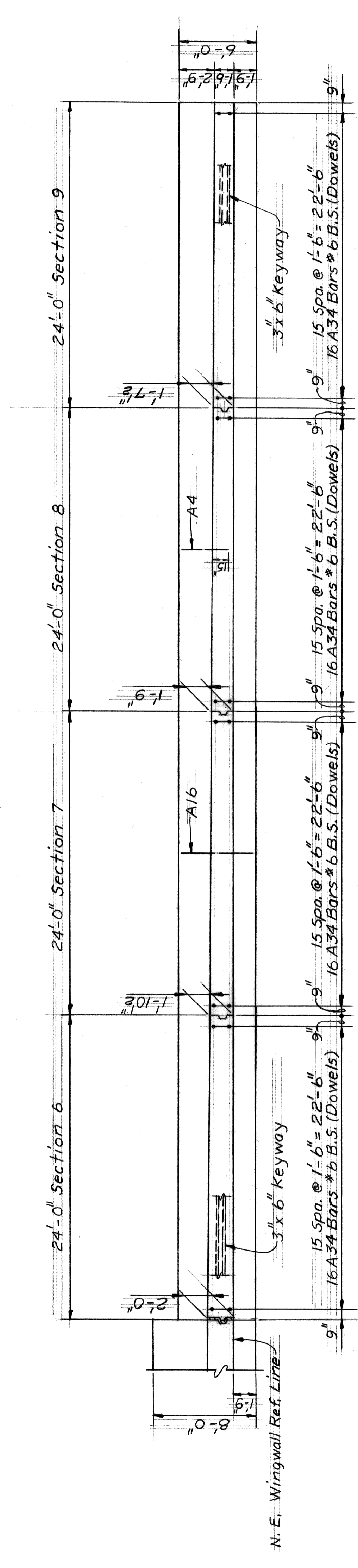
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DRAWN BY				DEPARTMENT OF PUBLIC WORKS		14TH ST. CROSSING THE P.C.R.R.		CONTRACT NO.	
TRACED BY				CITY ENGINEERS OFFICE		STRUCTURAL STEEL DETAILS		DRAWG NO.	
CHECKED BY				DETROIT HOUSING COMMISSION				DATE	
REVISIONS LOCATED BY COORDINATES ON SHEET				FOR					



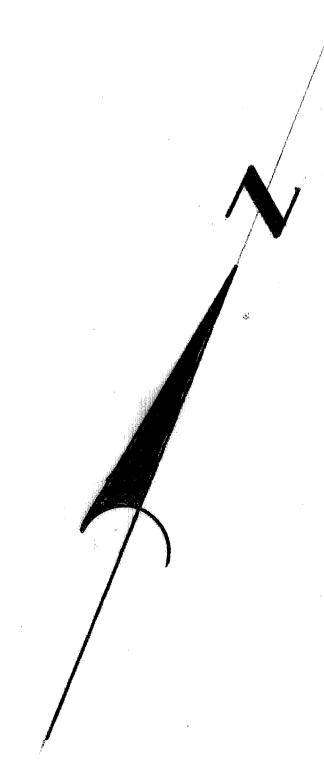
PLAN - TOP OF NORTHEAST WINGWALL



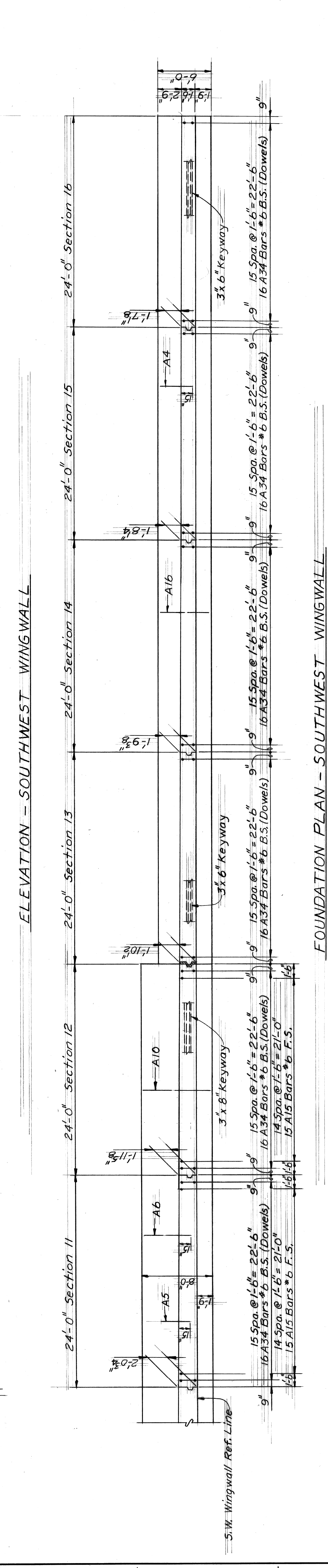
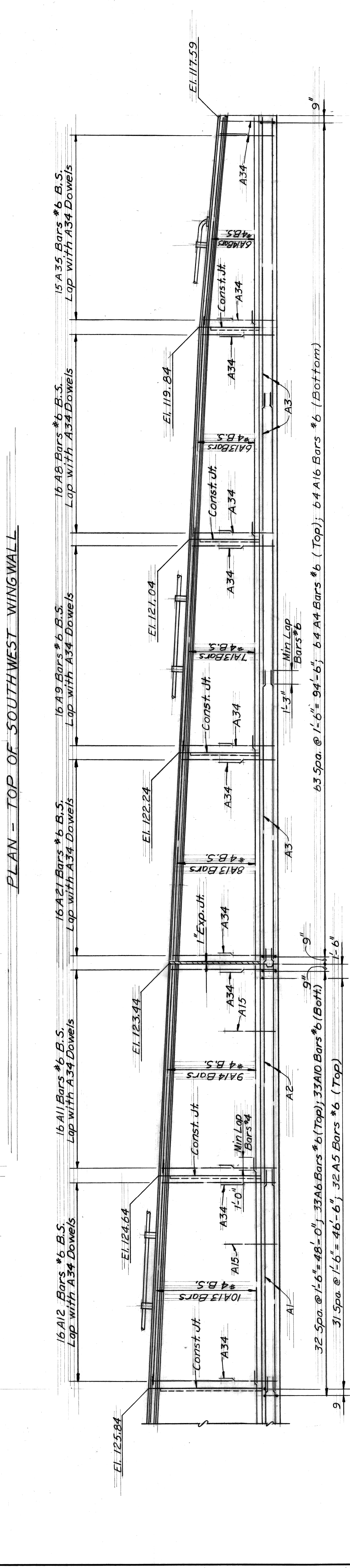
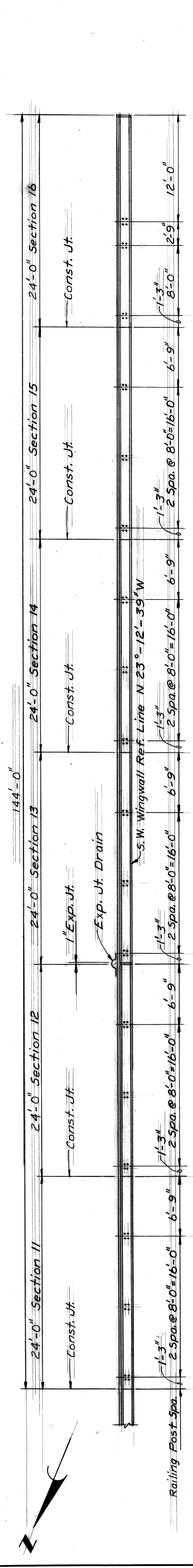
ELEVATION - NORTHEAST WINGWALL



FOUNDATION PLAN - NORTHEAST WINGWALL



DESIGNED BY		APPROVED:	
DRAWN BY			
TRACED BY			
CHECKED BY			
DESCRIPTION	DATE	CITY ENGINEER	
REVISIONS LOCATED BY COORDINATES ON SHEET			
CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR			
SHEET ___ OF ___ SHEETS		CONTRACT No.	
DRAWING No.		DATE	

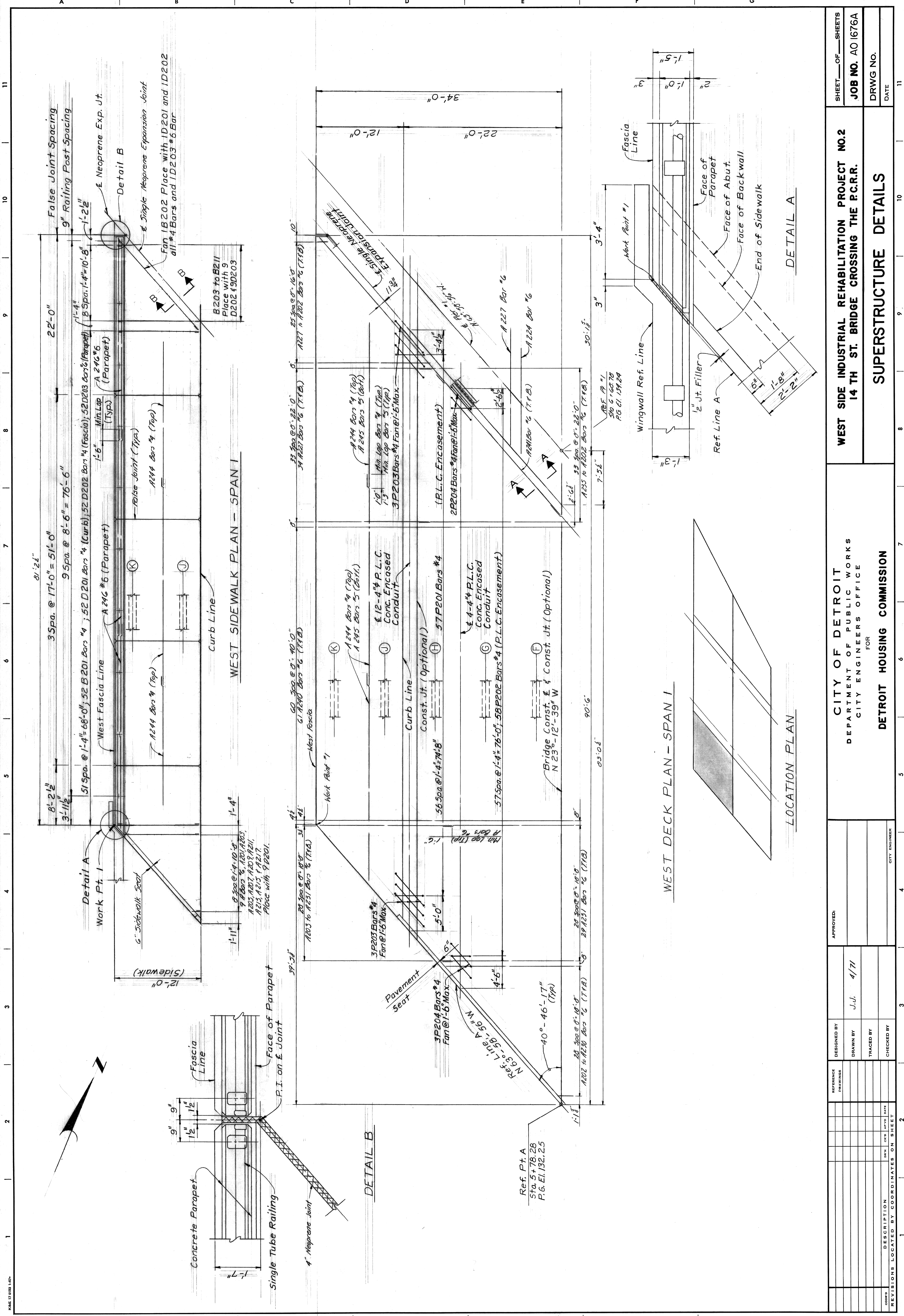


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REVISIONS LOCATED BY COORDINATES ON SHEET	DATE	CITY ENGINEER	
DESCRIPTION	DATE		
NO.	BY		
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WEST SIDE INDUSTRIAL REHABILITATION PROJECT NO. 2
14TH ST. CROSSING THE P.C.R.R.
S.W. WINGWALL DETAILS

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
FOR
DETROIT HOUSING COMMISSION

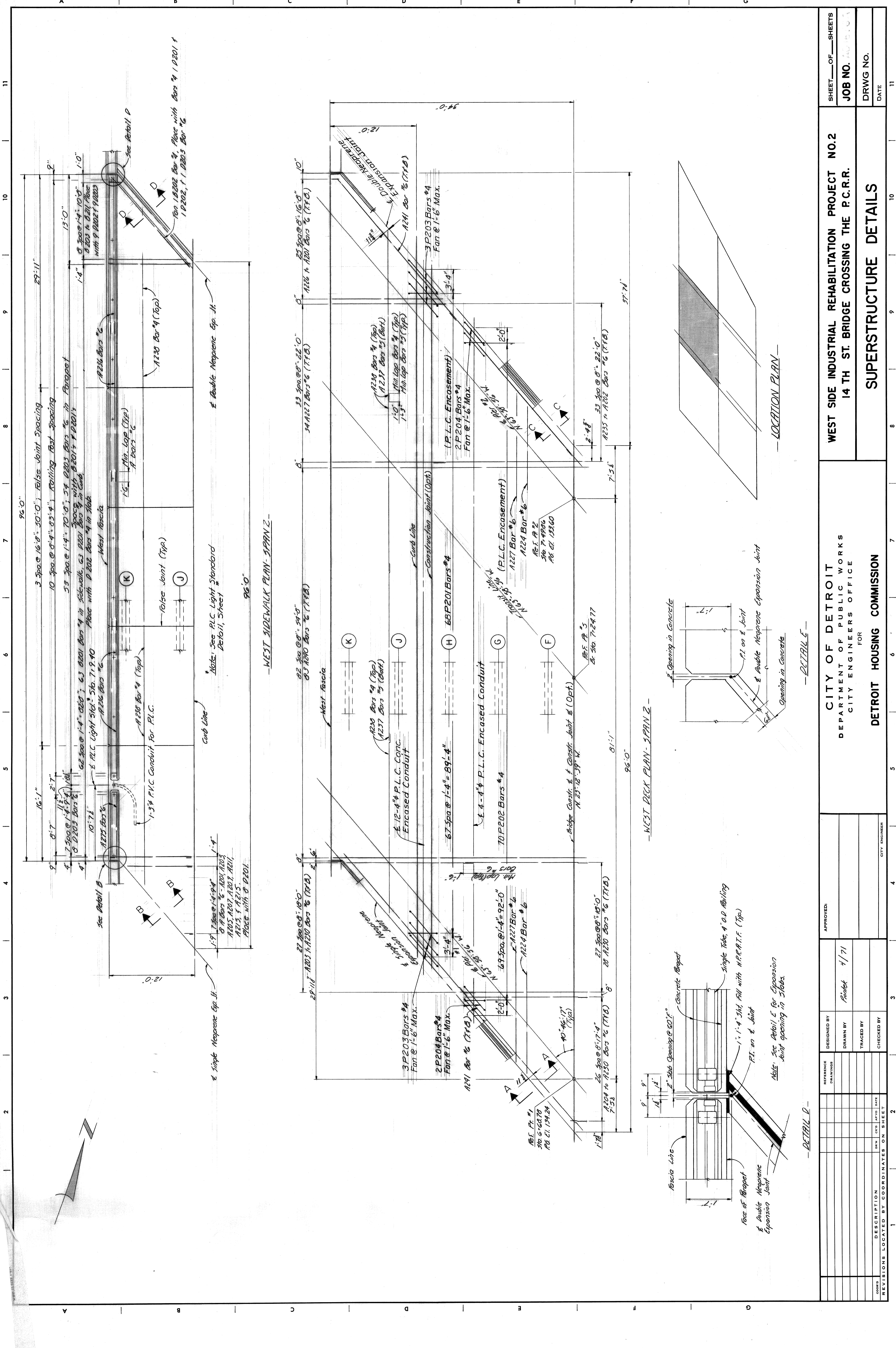
SHEET OF SHEETS
CONTRACT NO.
DRWG NO.
DATE



CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 FOR
 DETROIT HOUSING COMMISSION

NO.	DESCRIPTION	DATE

DESIGNED BY	APPROVED
DRAWN BY	J.J. 4/71
TRACED BY	
CHECKED BY	

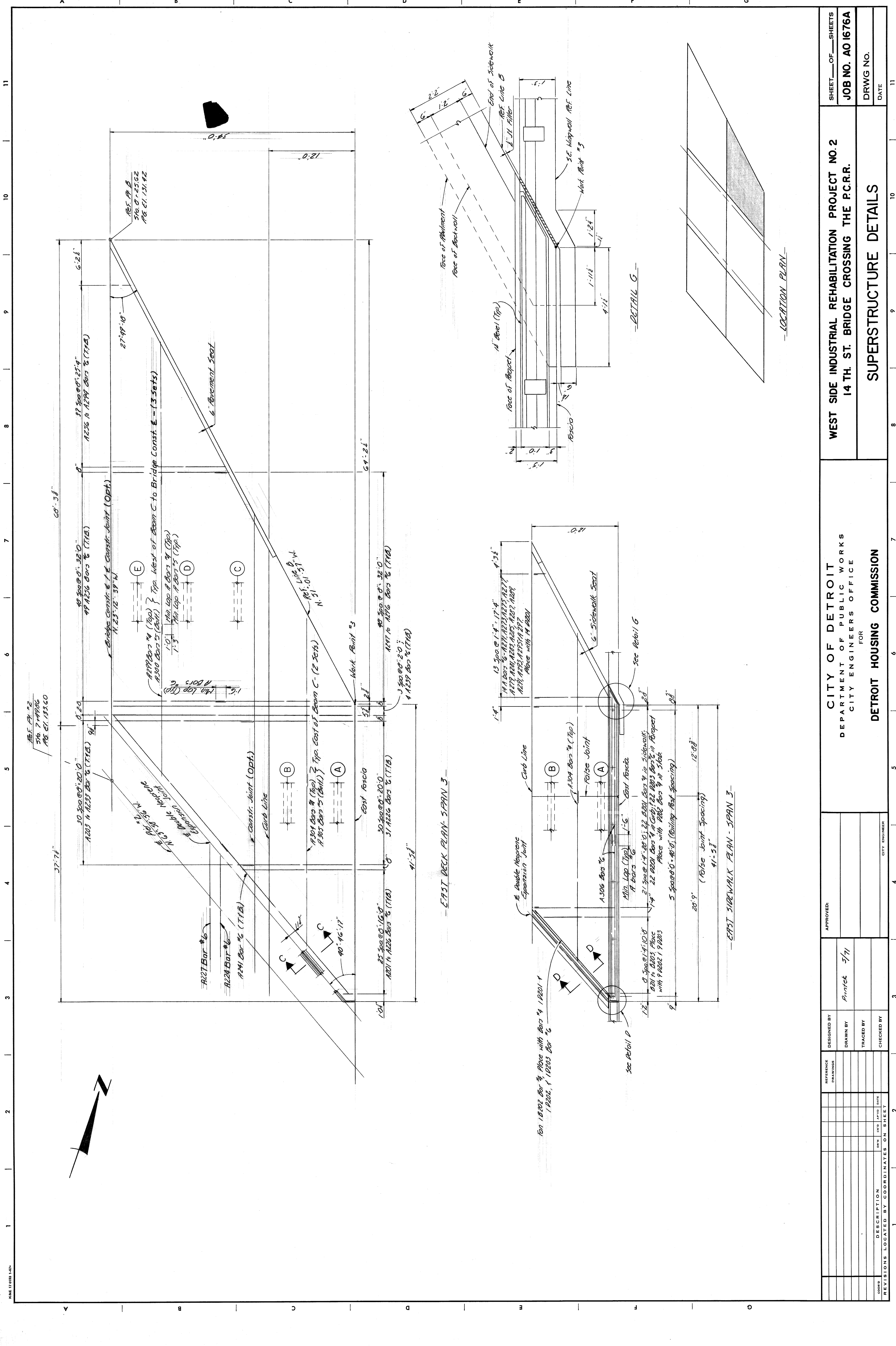


REVISIONS LOCATED BY COORDINATES ON SHEET		DESIGNED BY	APPROVED	CITY ENGINEER	
NO.	DATE	DRAWN BY	DATE		
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2		CHECKED BY			

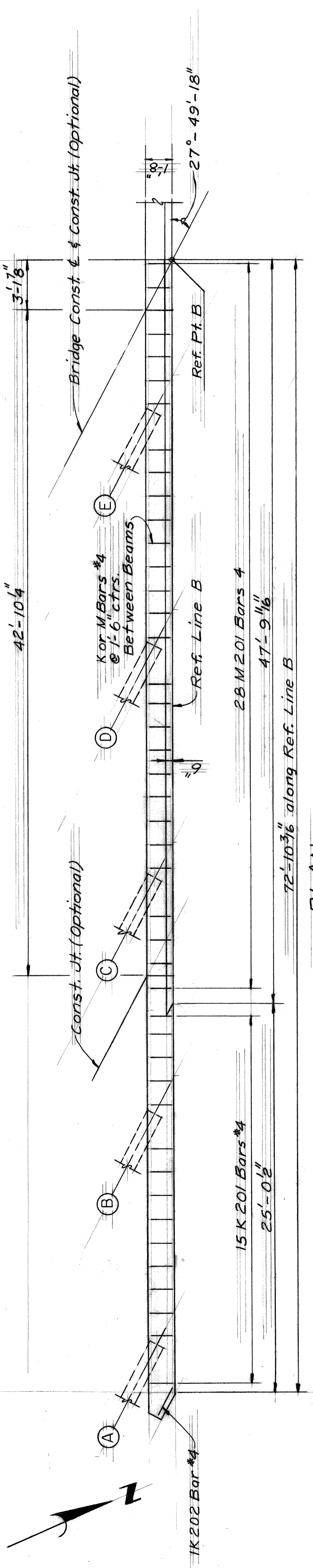
WEST SIDE INDUSTRIAL REHABILITATION PROJECT NO.2
 14 TH ST. BRIDGE CROSSING THE P.C.R.R.
 SUPERSTRUCTURE DETAILS

CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 FOR
 DETROIT HOUSING COMMISSION

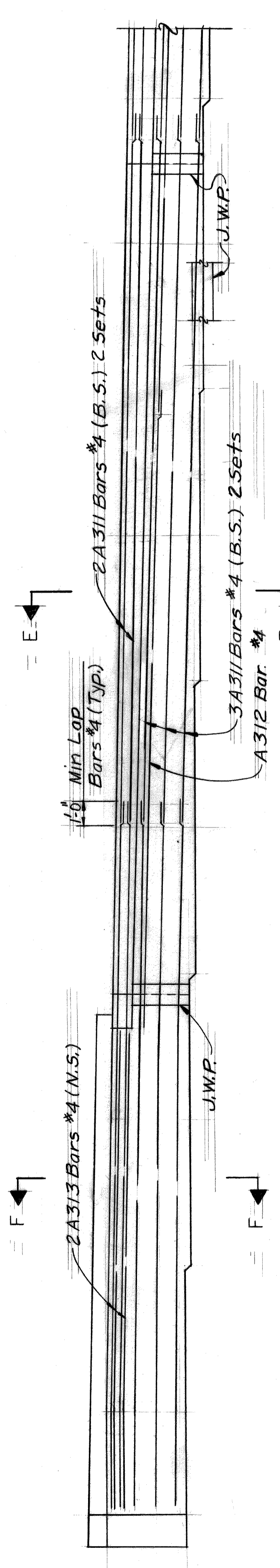
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 JOB NO. 1405000
 DRWG NO. _____
 DATE _____



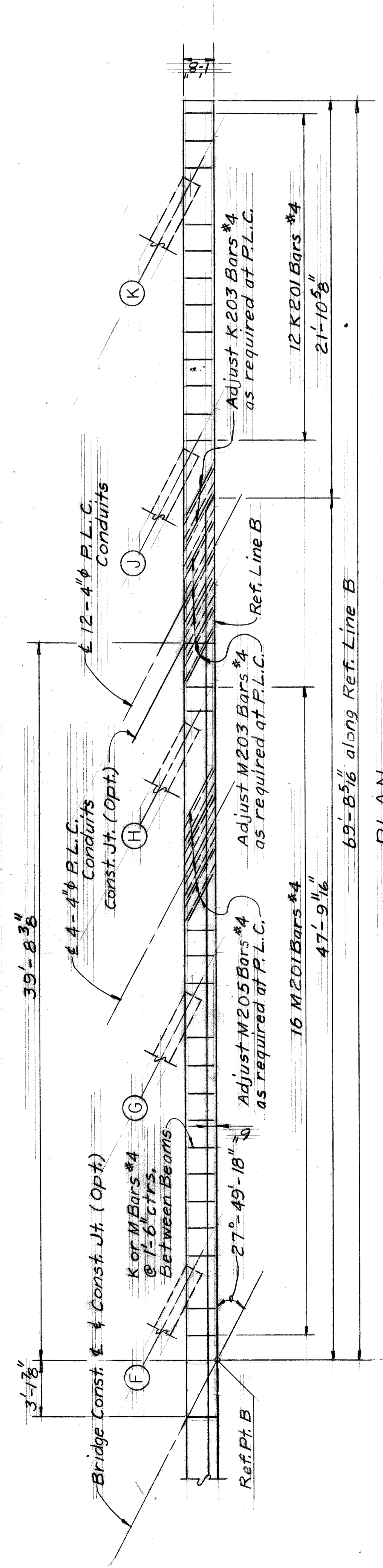
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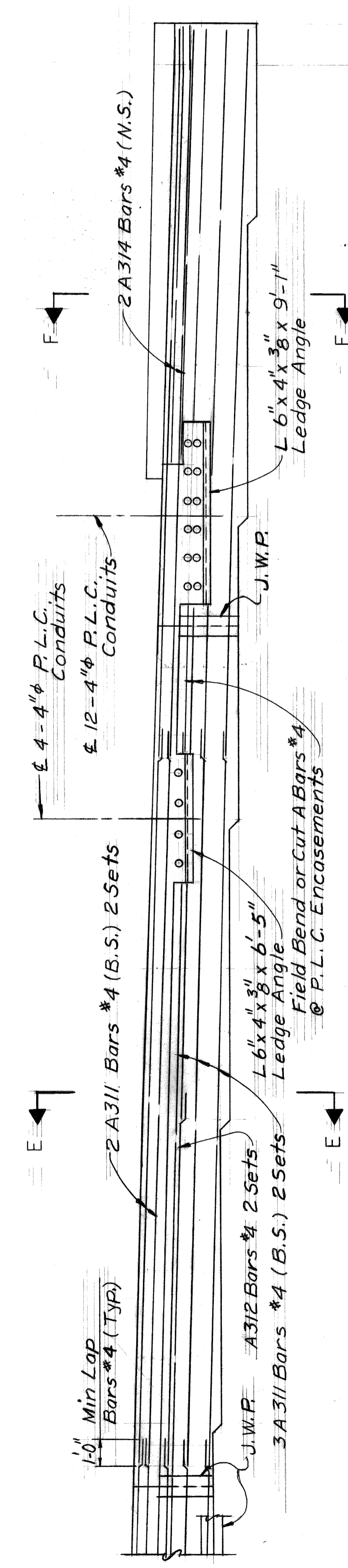
PLAN



EAST ELEVATION ABUTMENT B BACK WALL



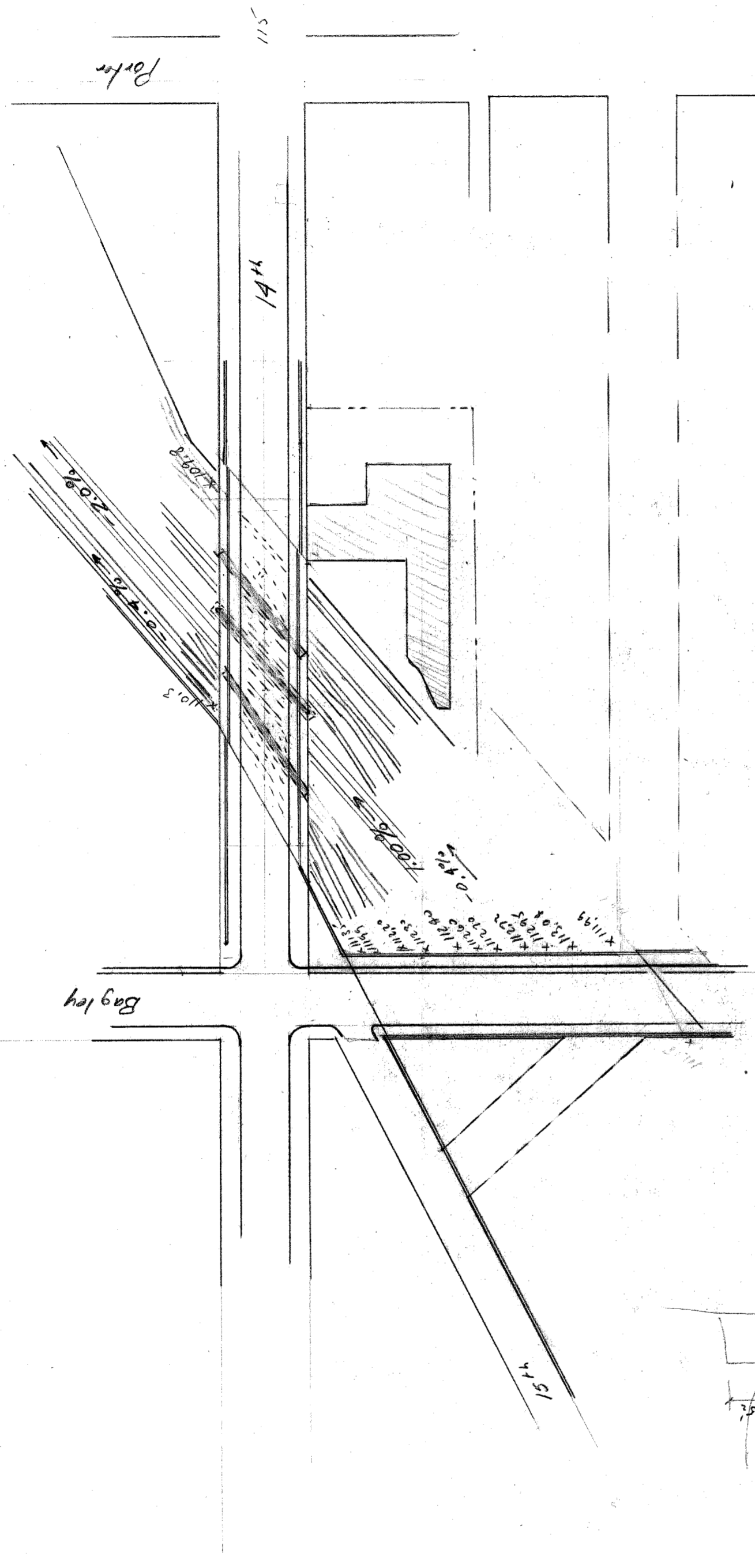
PLAN



WEST ELEVATION ABUTMENT B BACK WALL

REVISIONS LOCATED BY COORDINATES ON SHEET		APPROVED		CITY ENGINEER	
NO.	DESCRIPTION	DATE	DATE	DATE	DATE
DESIGNED BY	DRAWN BY	TRACED BY	CHECKED BY	DESIGNED BY	
REFERENCE DRAWINGS	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE				
DETROIT HOUSING COMMISSION					
FOR					
WEST SIDE INDUSTRIAL REHABILITATION PROJECT NO.2 14 TH ST. BRIDGE CROSSING THE P.C.R.R.					
SUPERSTRUCTURE DETAILS					
SHEET ___ OF ___ SHEETS				JOB NO. A01676A	
DATE				DRWG NO.	

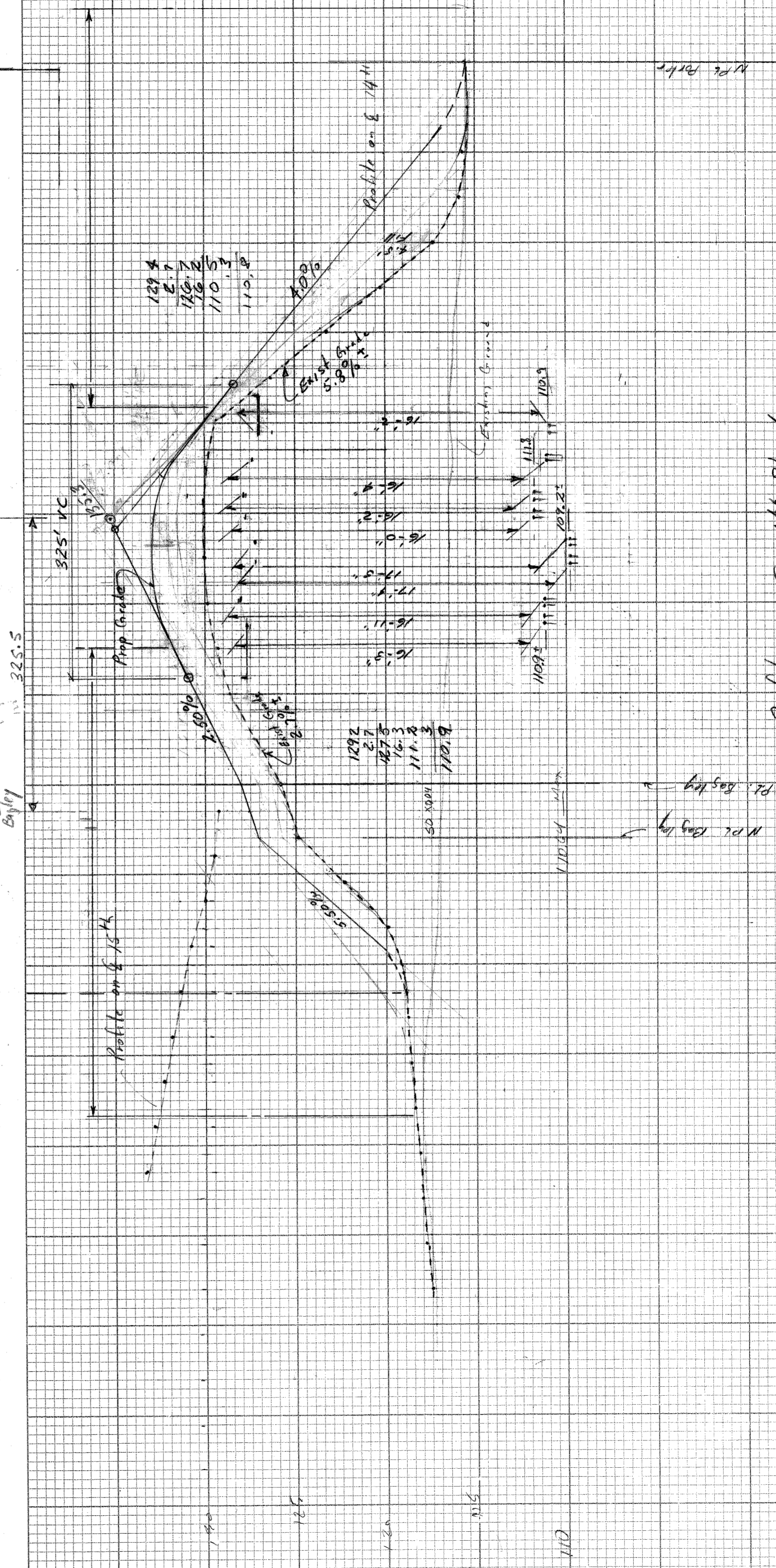
116



PLAN
Scale 1" = 100'

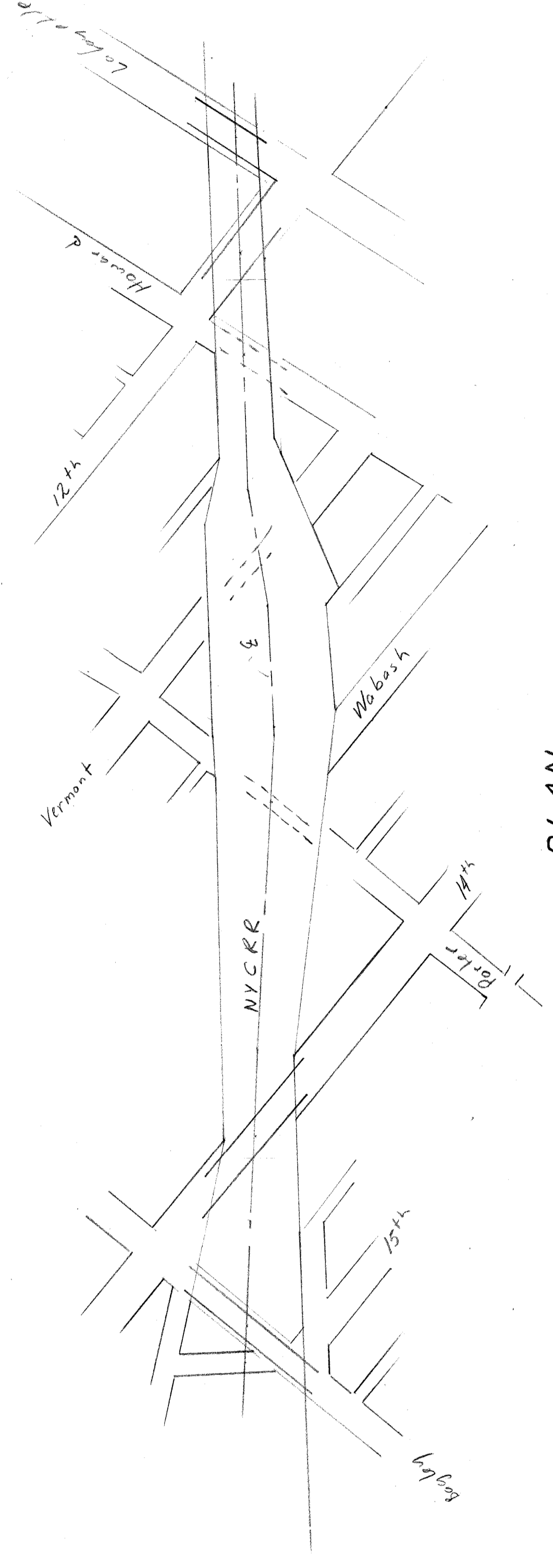
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8.614
49.685
50.265
8.614
112.8

use 3-2 1/2
+ 2-09

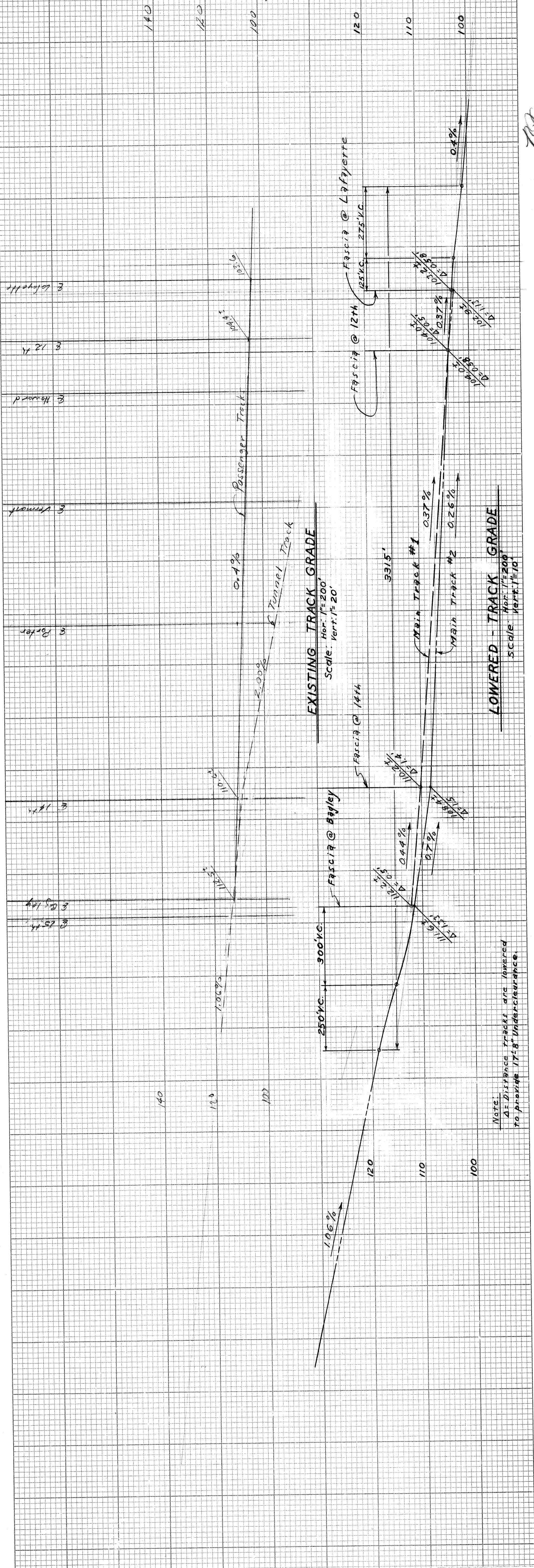


Profile on E 14th Street
Hor 1" = 100'
Ver 1" = 5'

Profile to be corrected

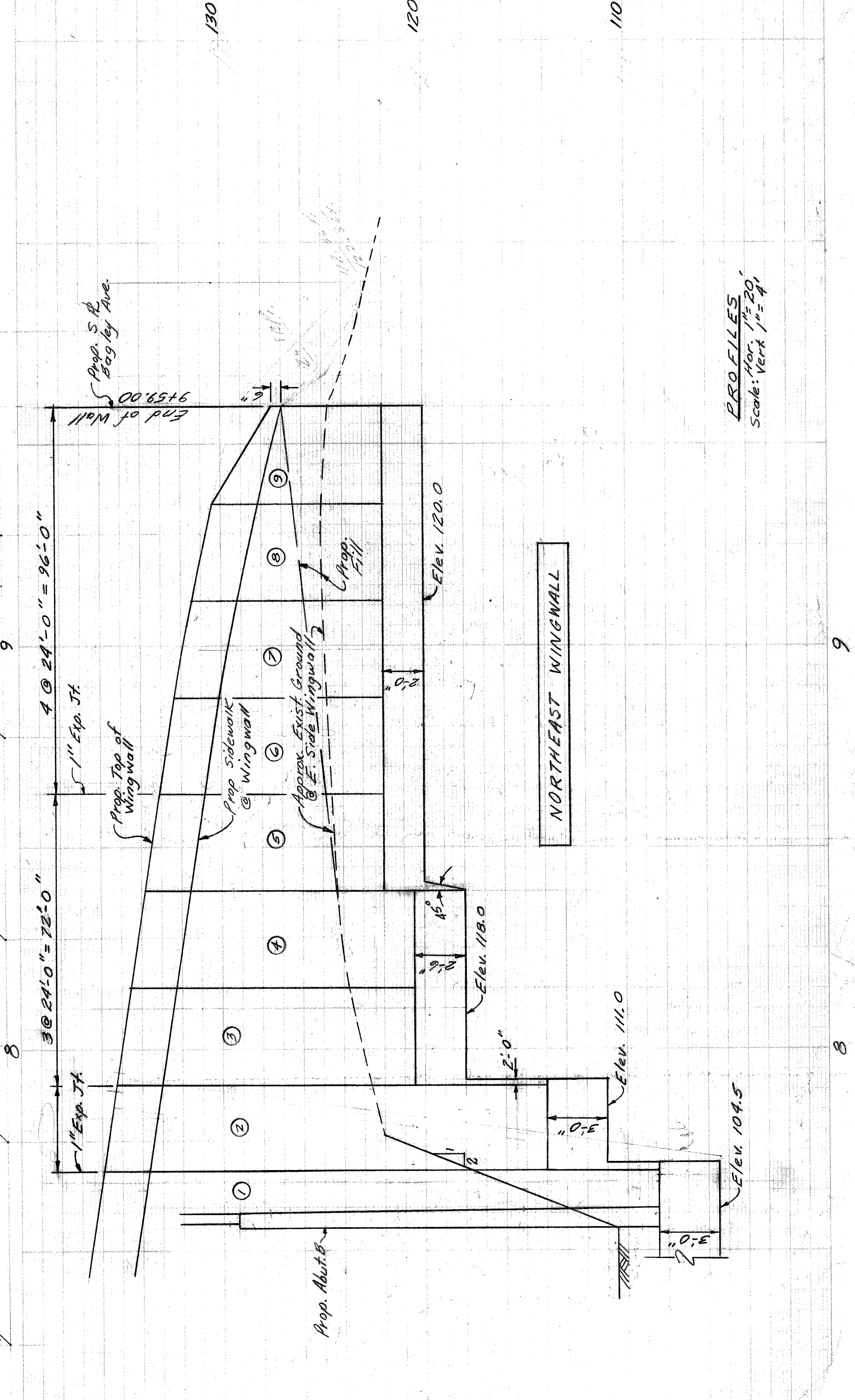
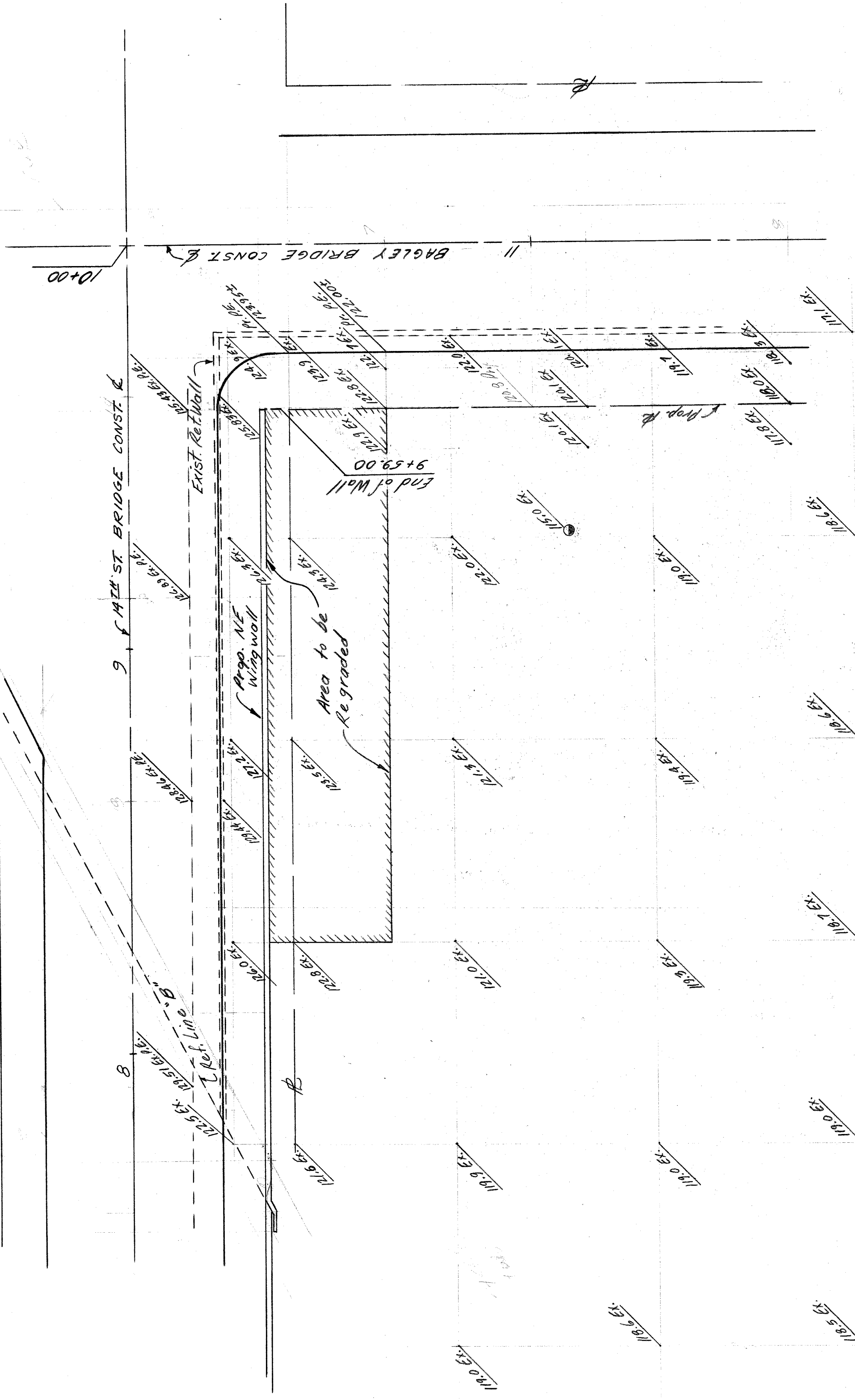
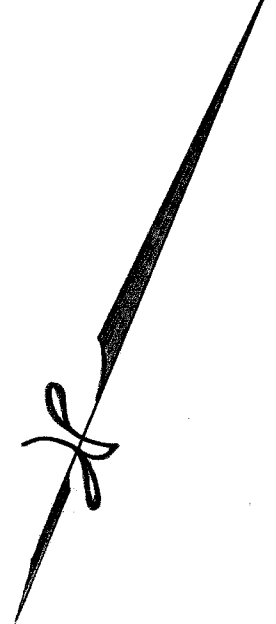


PLAN



1676B 11-8-65

31/11 221

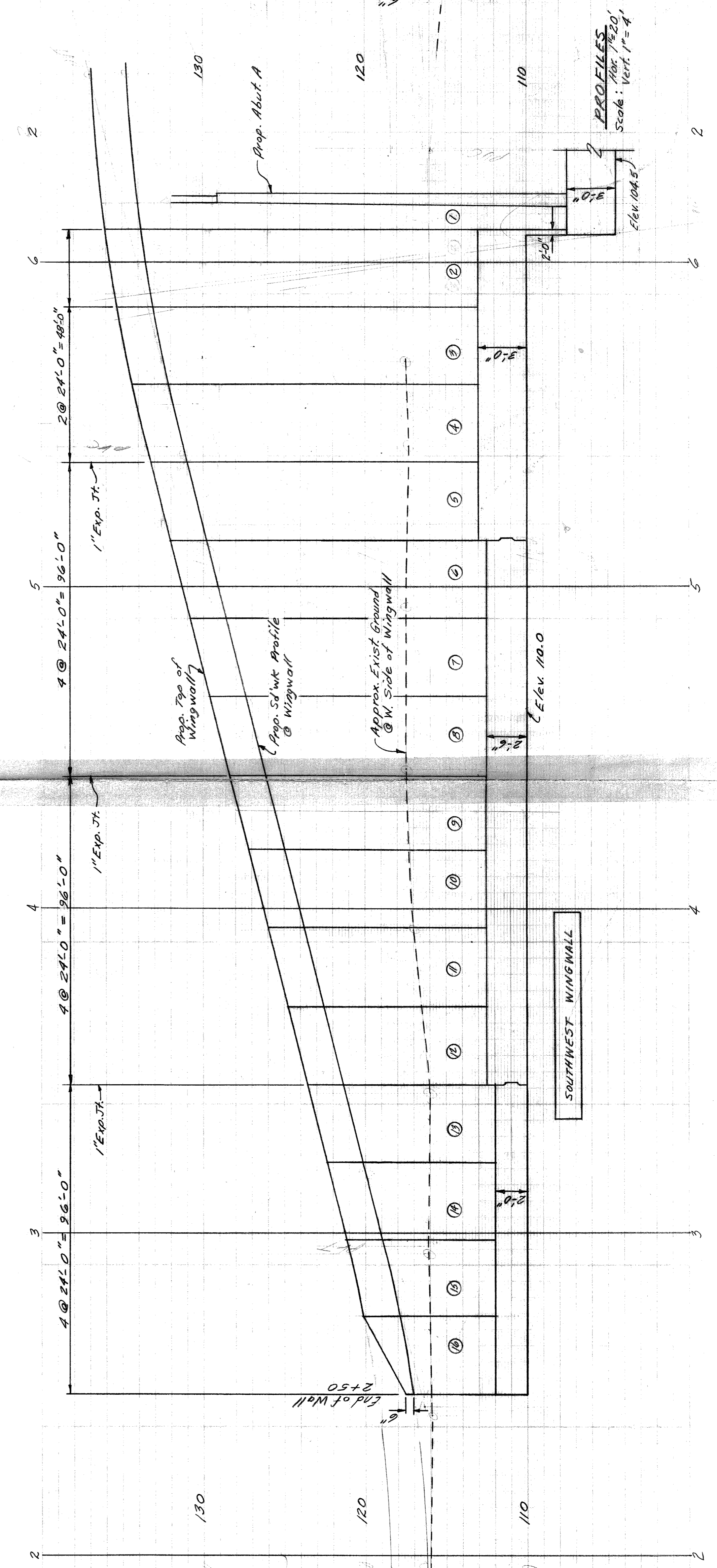


WEST SIDE INDUSTRIAL REHAB. #2
 14th ST BRIDGE
 Study of NE Wingwall
 Drawn by B. Comly 12-70

PROFILES
 Hor. 1" = 20'
 Scale: Vert. 1" = 4'

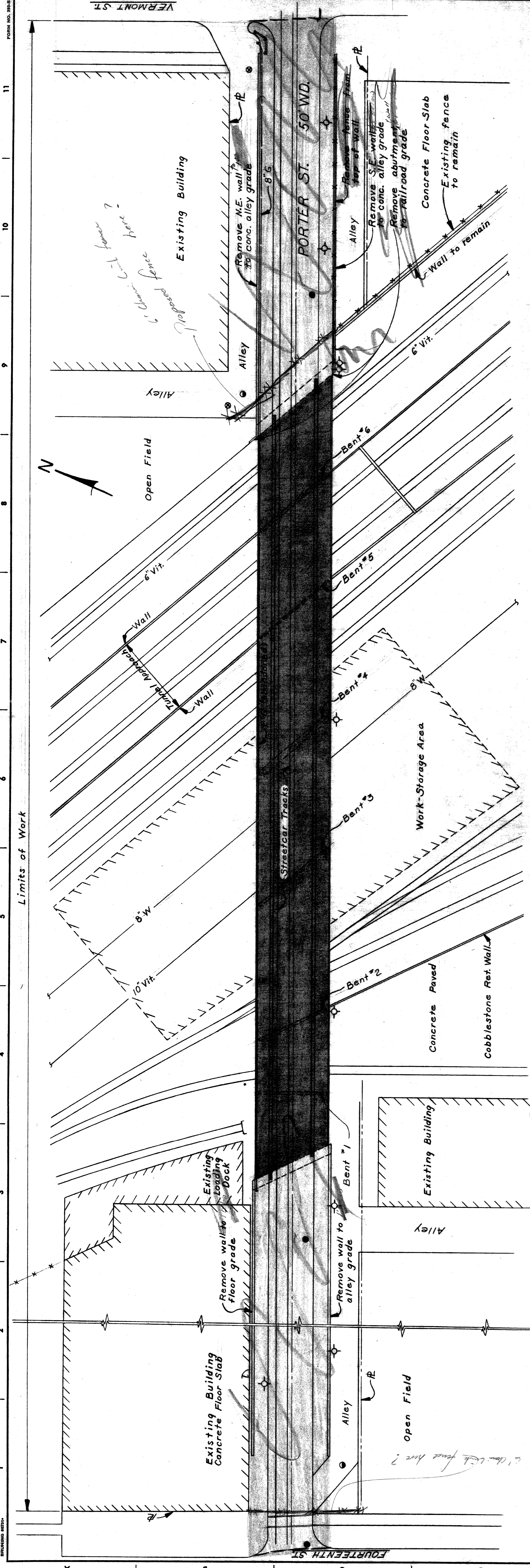


PLAN
Scale: 1" = 20'

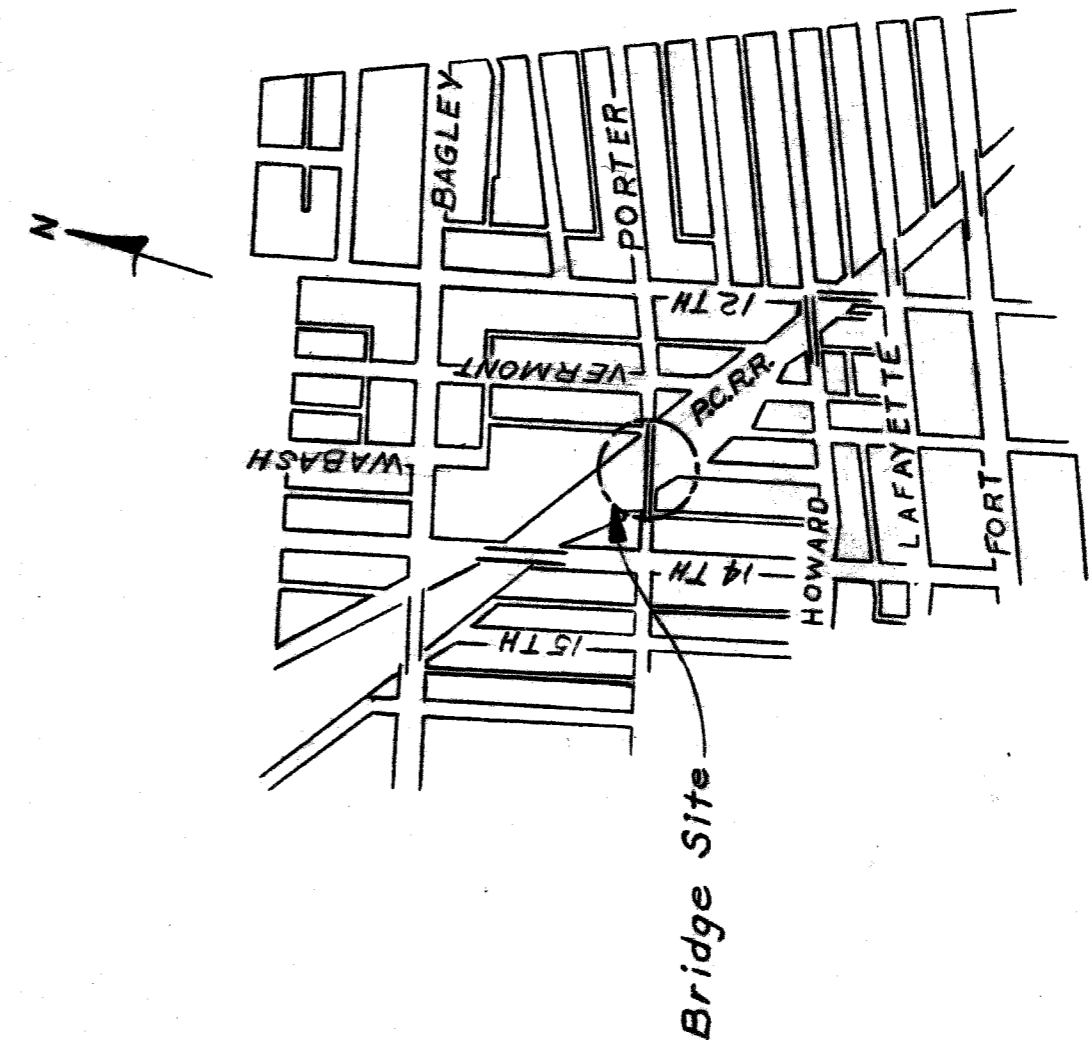


PROFILES
Scale: Vert. 1" = 4'

WEST SIDE INDUSTRIAL REHAB.#2
WEST ST BRIDGE
Study of SE FSU Wingwalls
Dwn. by B. Comly 12-70



SITUATION PLAN
Scale 1" = 20'-0"



LOCATION PLAN

- LEGEND**
- ⊕ denotes Detroit Edison Pole
 - ⊙ denotes Water Gatewell and Valve
 - denotes P.L.C. Manhole
 - denotes Sewer Inlet or Catchbasin
 - ⊞ denotes Railroad Telephone

NOTES:

Remove the west abutment and wingwalls, and below a plane connecting the existing paved alley south of Porter and the concrete slab north of Porter. Remove the combination concrete and steel pier bents #1, #2, and #3 and concrete pier bent #4 to existing ground elevation. Remove steel pier bents #5 and #6 to the top of existing tunnel approach walls.

Remove the east abutment and first 18 feet of the southeast wingwall to top below existing railroad grade. Remove the first 10 feet of the northeast wingwall to one foot below the embankment grade. Remove the remaining portions of the northeast and southeast wingwalls to top below a plane connecting the existing paved alleys.

Remove the approach pavement, curbs, sidewalks, and fill between the east (B) of 14th St. and the west curb line of Vermont St. down to the same plane as which the wingwalls are removed. *Remove existing ground.*

Limit operations and storage to the Porter St. R.O.W. and the Storage area.

Utilities as shown shall be verified by the Contractor before starting work.

Build 6' chain link fence in the approximate location as shown on the plan.

Build curb, fill, sidewalk etc. along 14th & Vermont.

DPW?

DRAWING NO. 10111

WEST SIDE INDUSTRIAL REHABILITATION PROJECT N92 DEMOLITION - PORTER STREET BRIDGE CROSSING THE P.C.R.R.		SHEET <u>1</u> OF <u>1</u> SHEETS CONTRACT NO. DRWG NO. DATE 10/71
CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR DETROIT HOUSING COMMISSION		
DESIGNED BY R. Rosik	APPROVED:	
DRAWN BY	STRUCTURAL ENGINEER	
TRACED BY	HEAD CIVIL ENGINEER	
CHECKED BY	CITY ENGINEER	
REFERENCE DRAWINGS		
DESCRIPTION REVISIONS LOCATED BY COORDINATES ON SHEET		