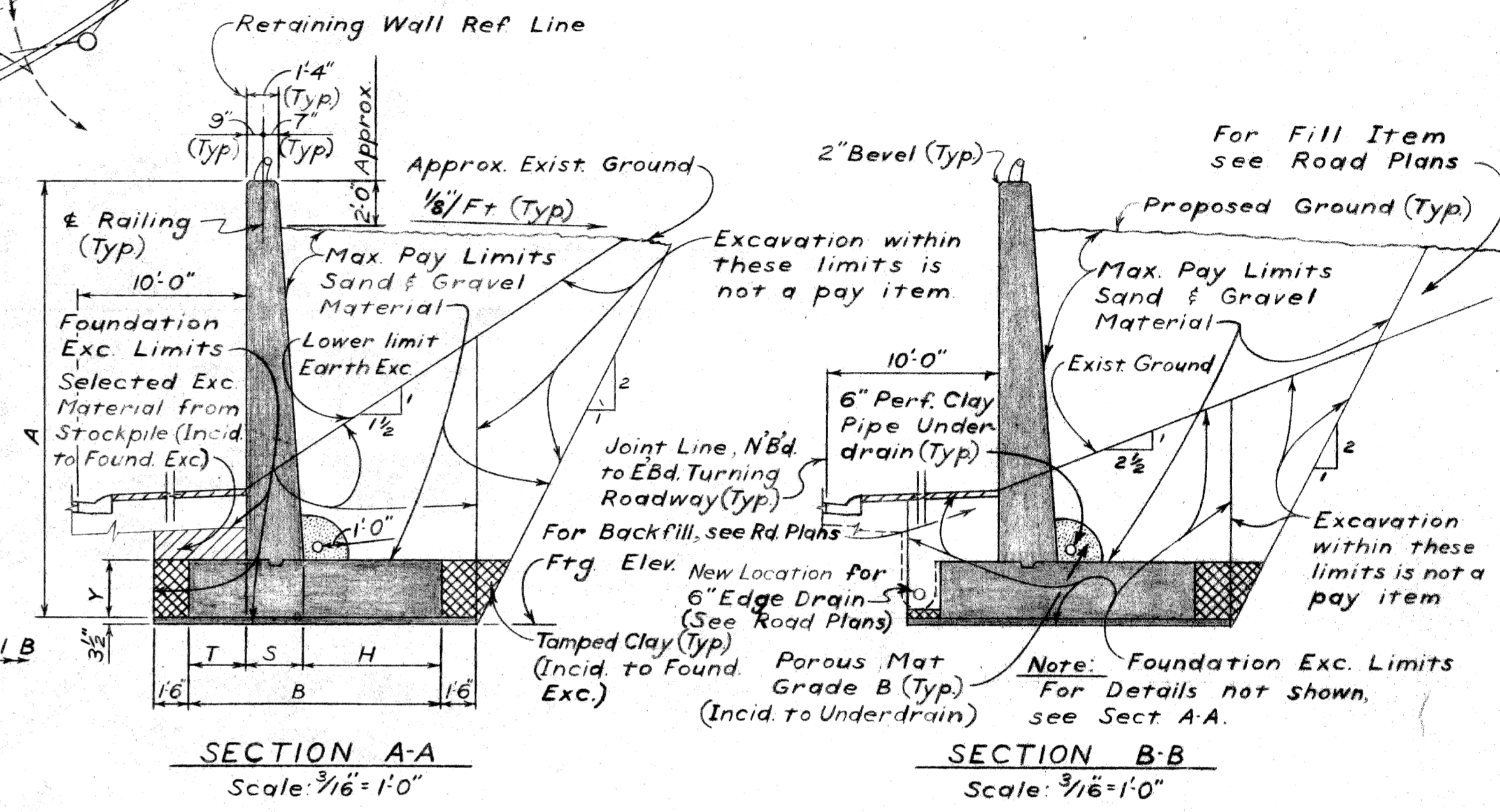
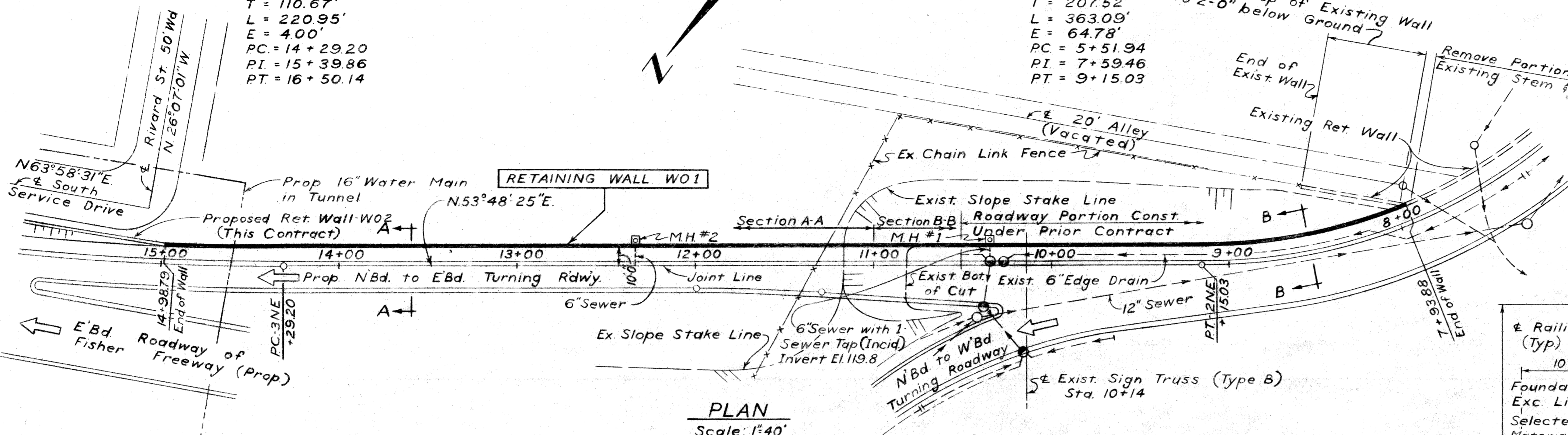


Curve Data - Curve 3NE

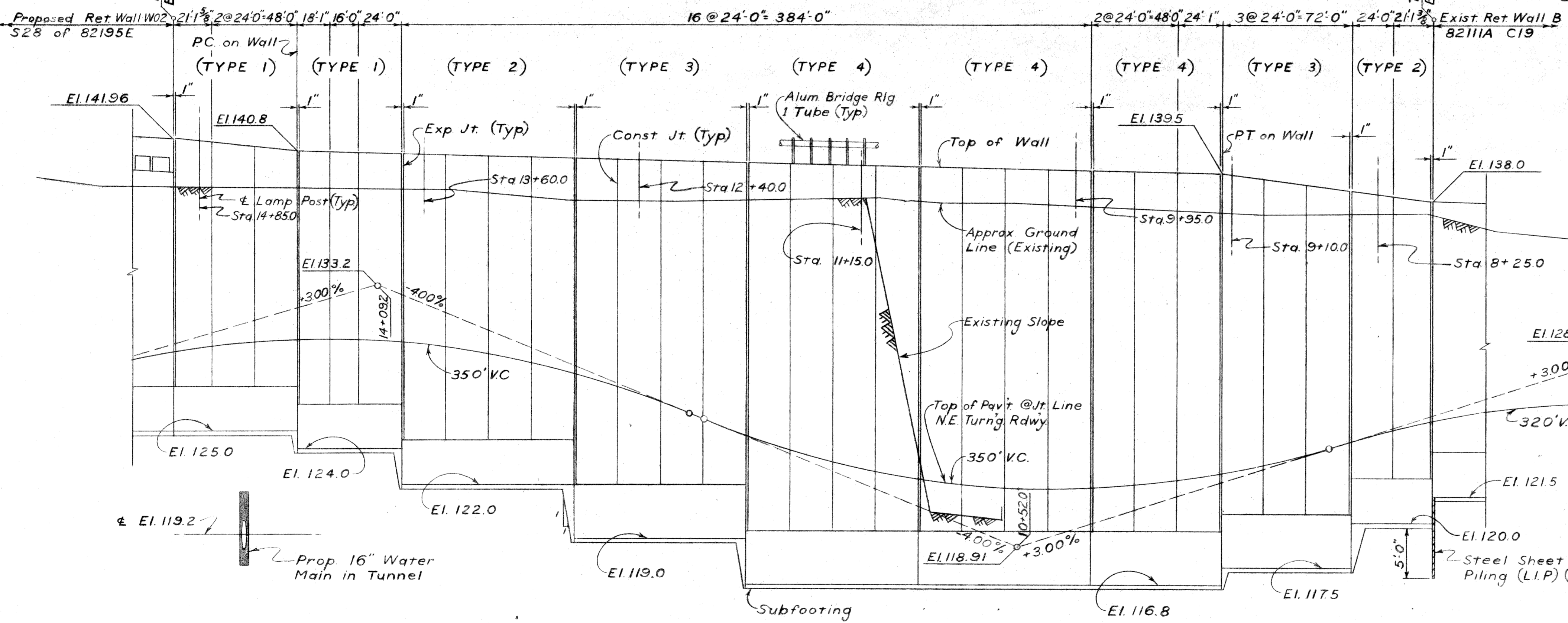
Δ = 8°17'08"
 D = 3°45'00"
 R = 1527.89'
 T = 110.67'
 L = 220.95'
 E = 400'
 PC = 14+29.20
 PI = 15+39.86
 PT = 16+50.14

Curve Data - Curve 2NE

Δ = 69°20'43"
 D = 19°05'54.94"
 R = 300.00'
 T = 207.52'
 L = 363.09'
 E = 64.78'
 PC = 5+51.94
 PI = 7+59.46
 PT = 9+15.03



Note:
 Wall measurements are along Retaining Wall Ref. Line.



TYPE	WALL DIMENSIONS						Actual Footing Pressures - psf	
	A- Max. (Design)	B	T	S	H	Y	Max. Ave. DL	Max. DL+LL
1	17'-0"	10'-0"	2'-0"	2'-6"	5'-6"	2'-6"	1950	3600
2	19'-0"	11'-0"	2'-6"	2'-6"	6'-0"	2'-6"	2050	3850
3	22'-0"	13'-6"	3'-6"	3'-0"	7'-0"	3'-0"	2400	4000
4	24'-0"	15'-0"	4'-0"	3'-0"	8'-0"	3'-0"	2550	4150

General Notes:
 For Alignment information not shown, see Road Plans.
 The Design of this Wall is based on a Maximum Surcharge equivalent to 2' of Earth above Ground Line.
 The Wall Alignment Details are based on the assumption that the Edges of Footing and Faces of Stem are Concentric for the Curved Portion of Wall.
 Curve Data is for the Joint Line of the NBd to EBd Turning Rdwy.

PLANS PREPARED BY
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 BUREAU OF HIGHWAYS AND EXPRESSWAYS

APPROVED: *P.C. Lerner*
 STRUCTURAL ENGINEER

JOB No.
 PW 1002(49)

REVISIONS			
NO.	DESCRIPTION	DATE	BY

MICHIGAN STATE HIGHWAY DEPARTMENT

FISHER-CHRYSLER INTERCHANGE
 IN DETROIT

GENERAL PLAN OF STRUCTURE

CITY OF DETROIT

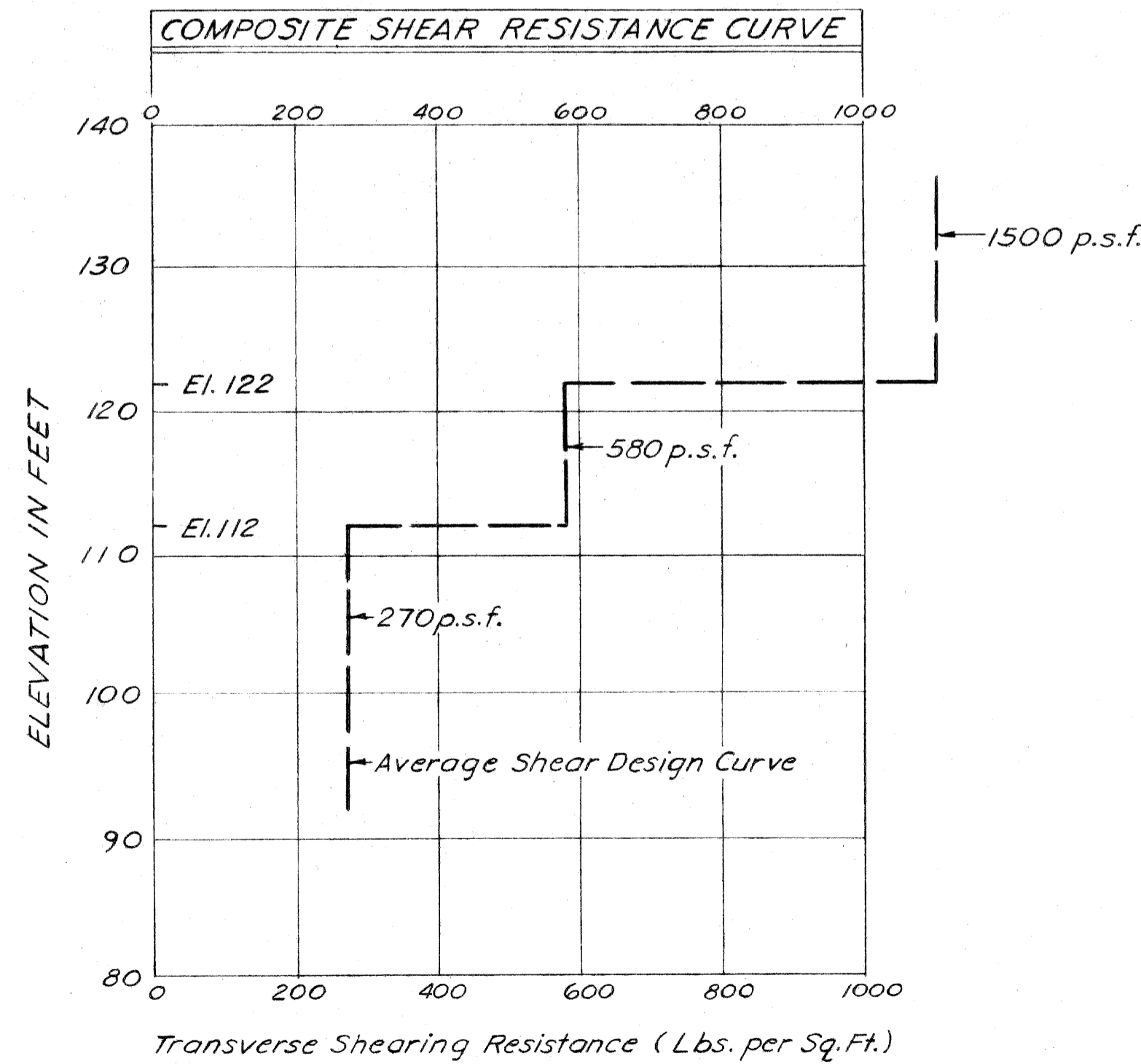
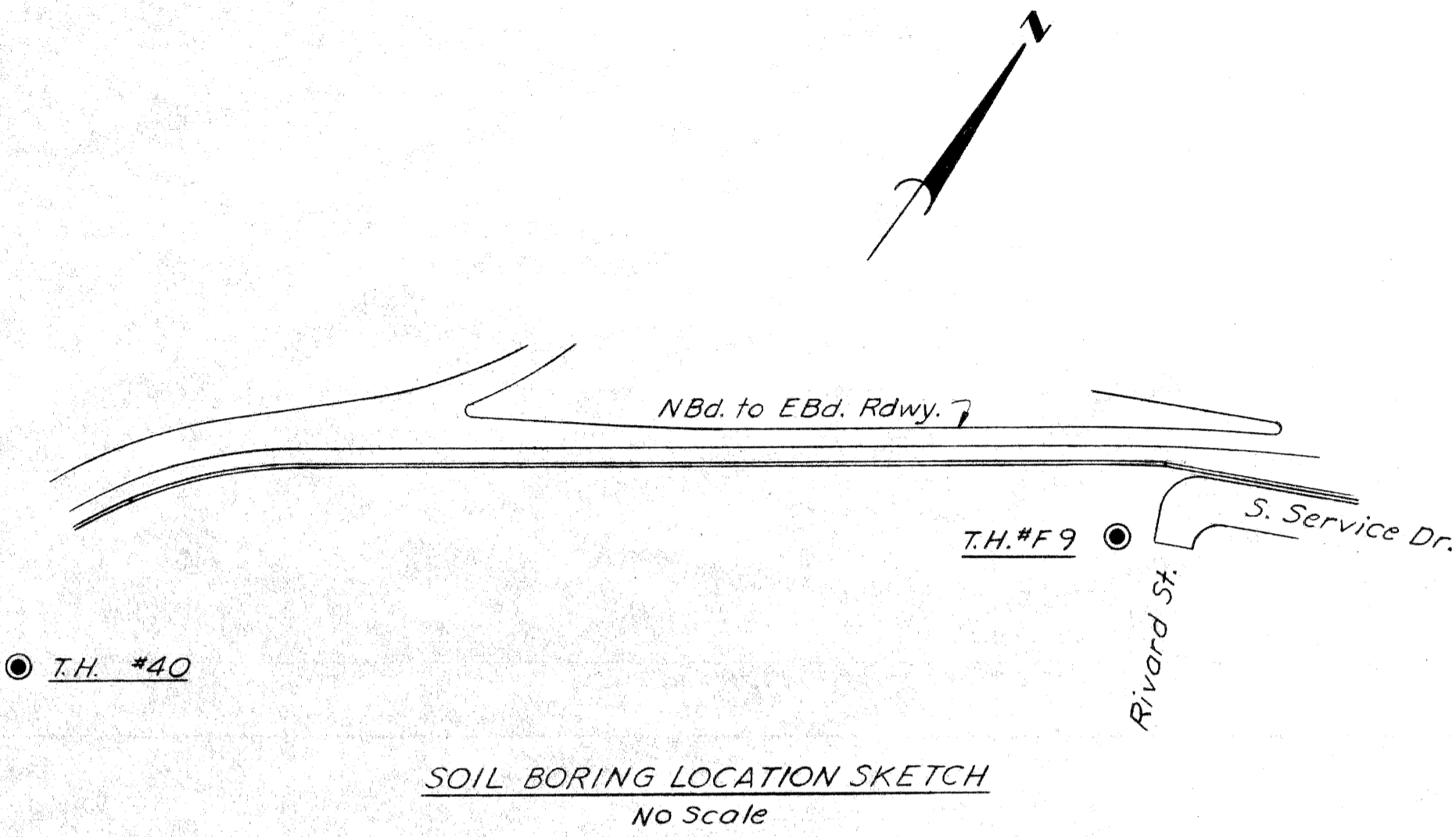
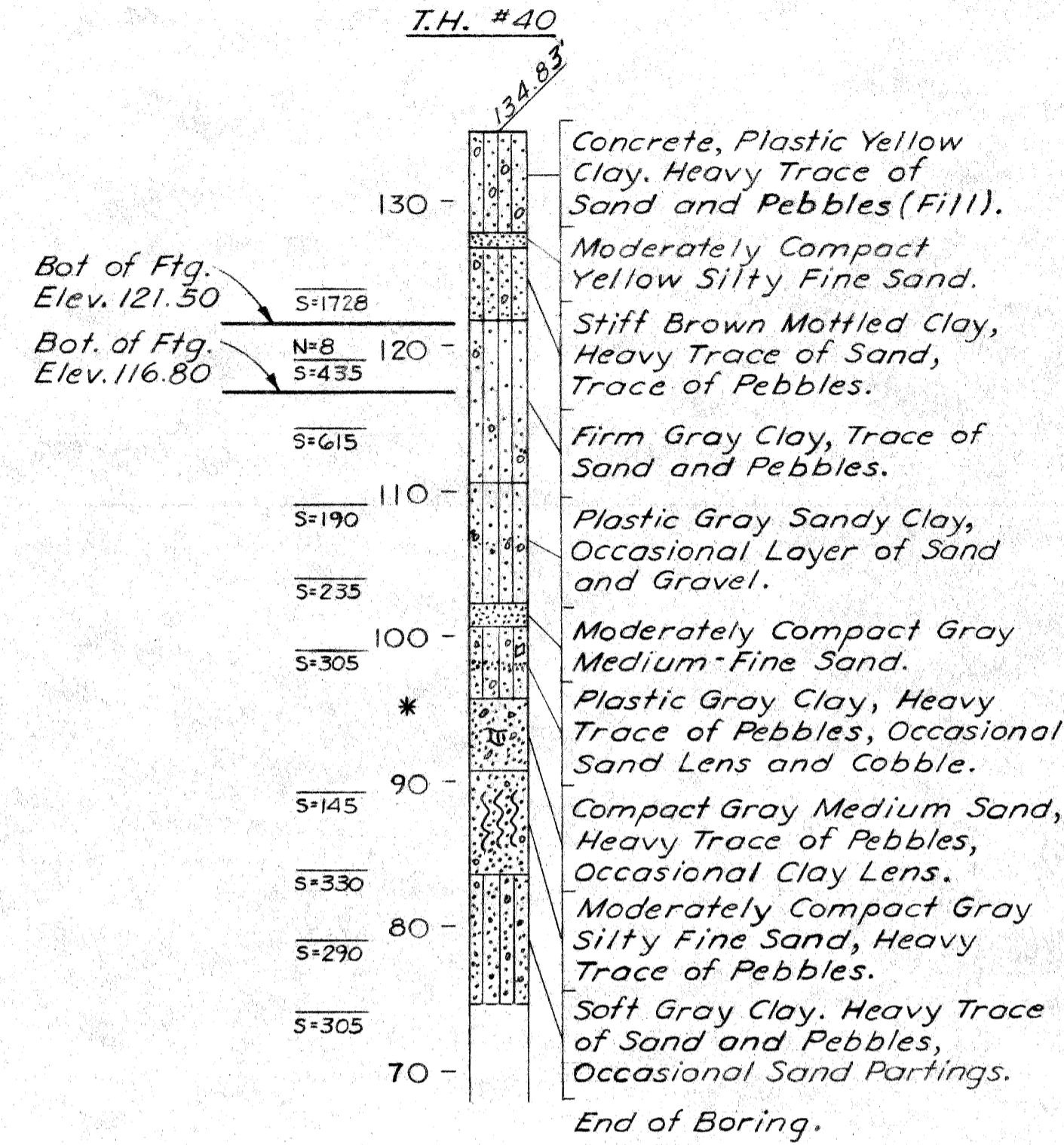
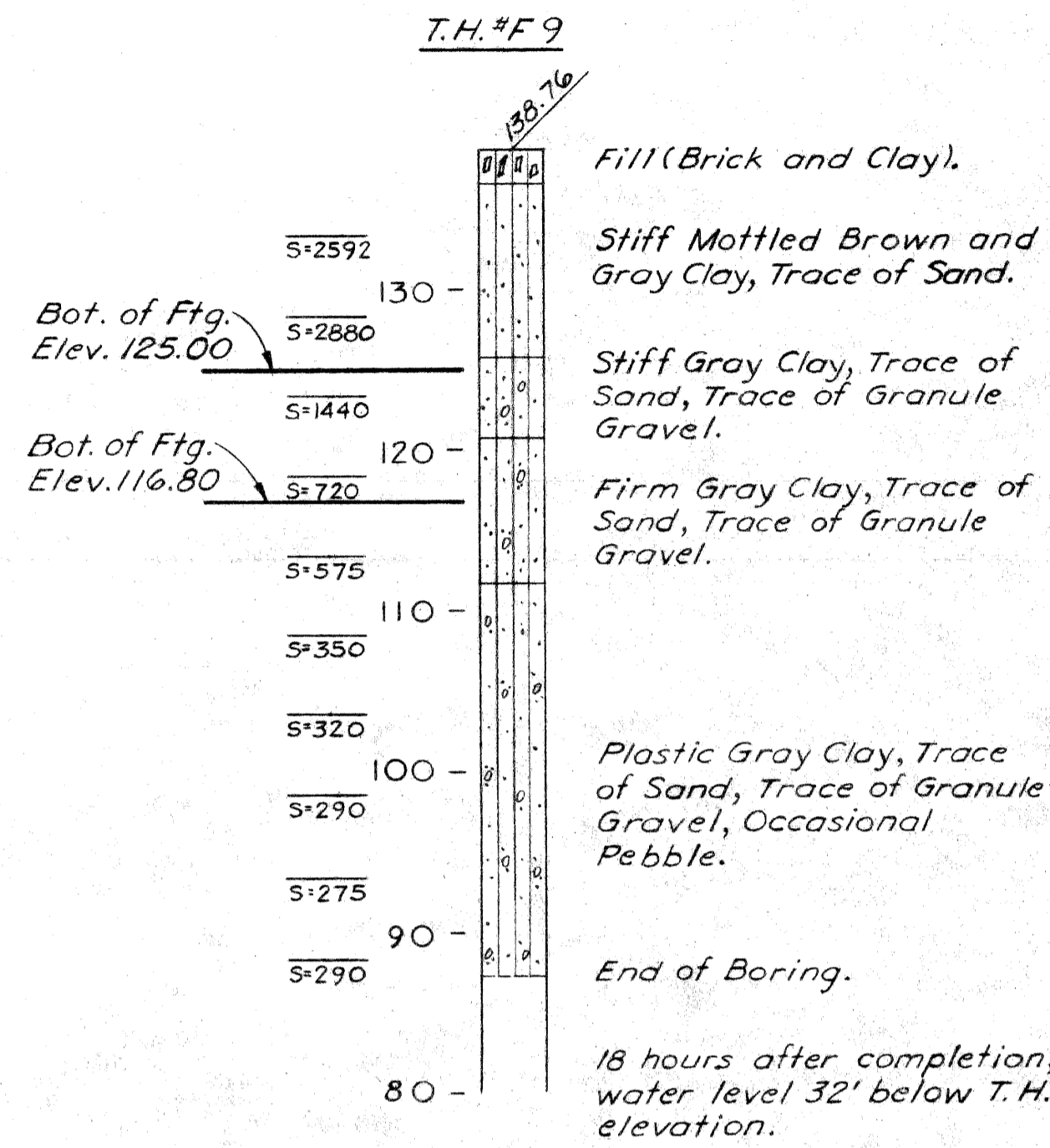
SQUAD NO. 4-66
 DRAWN BY: L.B.J.
 CHECKED BY: FDW
 SHEET 2 OF 14

APPROVED: _____
 DESIGN SUPERVISING ENGINEER

APPROVED: _____
 ASST. ENGINEER OF DESIGN

WOI of 8225IZ

LOG OF SOIL BORINGS



NOTES
 N Indicates the number of blows required to drive the sampler 12" (or as noted) using a 140 lb. hammer falling 30". Where blow count is not shown, sampler was levered, pushed or hand-driven.
 S Indicates Transverse Shearing Resistance in lbs. per sq. ft. as determined by M. S. H. D. Standard Test.
 * Indicates unsuccessful recovery of sample.
 All elevations are based on City of Detroit Datum.

PLANS PREPARED BY
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 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 BUREAU OF HIGHWAYS AND EXPRESSWAYS

APPROVED: *[Signature]*
 STRUCTURAL ENGINEER

JOB No. PW1002(49)

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

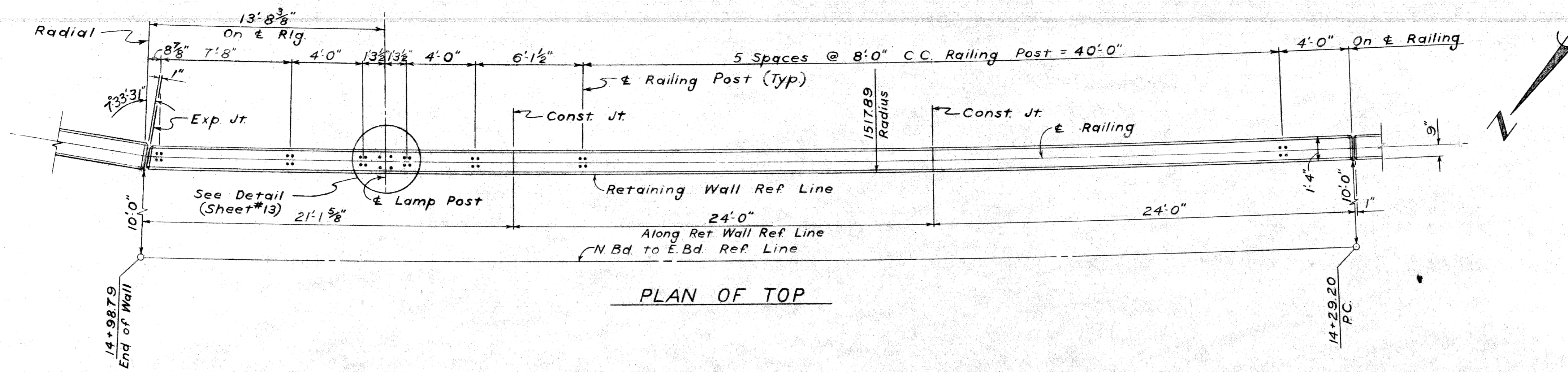
FISHER-CHRYSLER INTERCHANGE
 IN DETROIT

LOG OF SOIL BORINGS

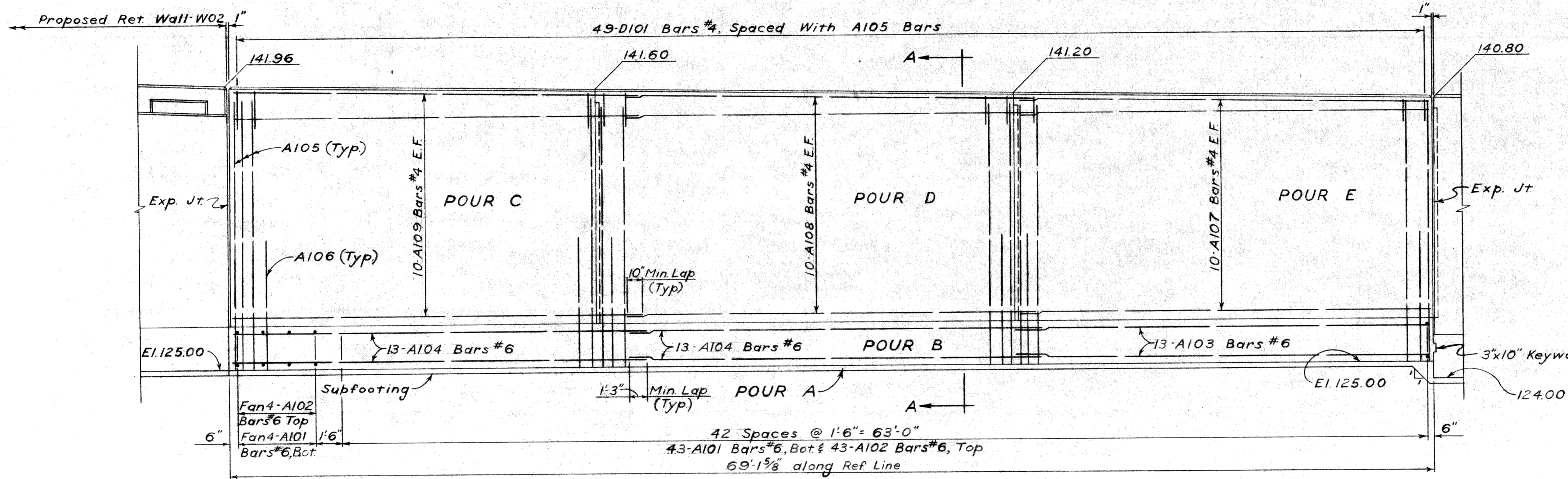
CITY OF DETROIT
 SQUAD BOSS: *Watts*
 DRAWN BY: *R. Harris*
 TRACED BY: *R. Harris* 5-66
 CHECKED BY: *FDW* 6-66
 SHEET 3 of 14

APPROVED: _____ DESIGN SUPERVISING ENGINEER
 APPROVED: _____ ENGINEER OF DESIGN-CONSULTANTS

WOI of 82251Z



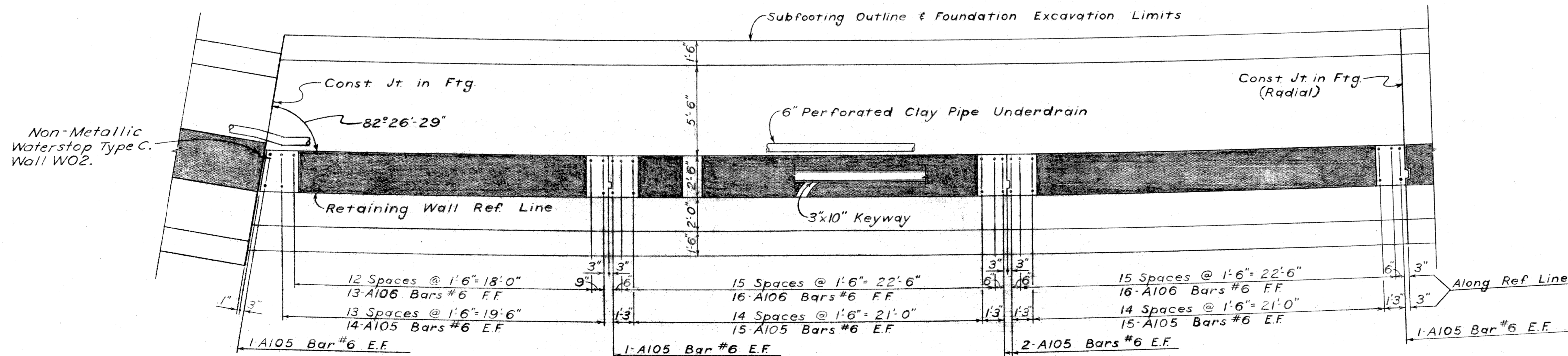
PLAN OF TOP



ELEVATION

CONCRETE QUANTITIES			
POUR	LOCATION	A6A Cyds.	A6AA Cyds.
A	Subfooting	9.9	
B	Footing	64.0	
C	Stem		21.2
D	"		23.6
E	Stem		22.9
Total This Sheet		73.9	67.7

NOTE:
For General Notes, see Sheet #2



FOUNDATION PLAN

PLANS PREPARED BY
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CITY ENGINEERS OFFICE
BUREAU OF HIGHWAYS AND EXPRESSWAYS

APPROVED: *[Signature]*
STRUCTURAL ENGINEER

JOB No.
PW 1002(49)

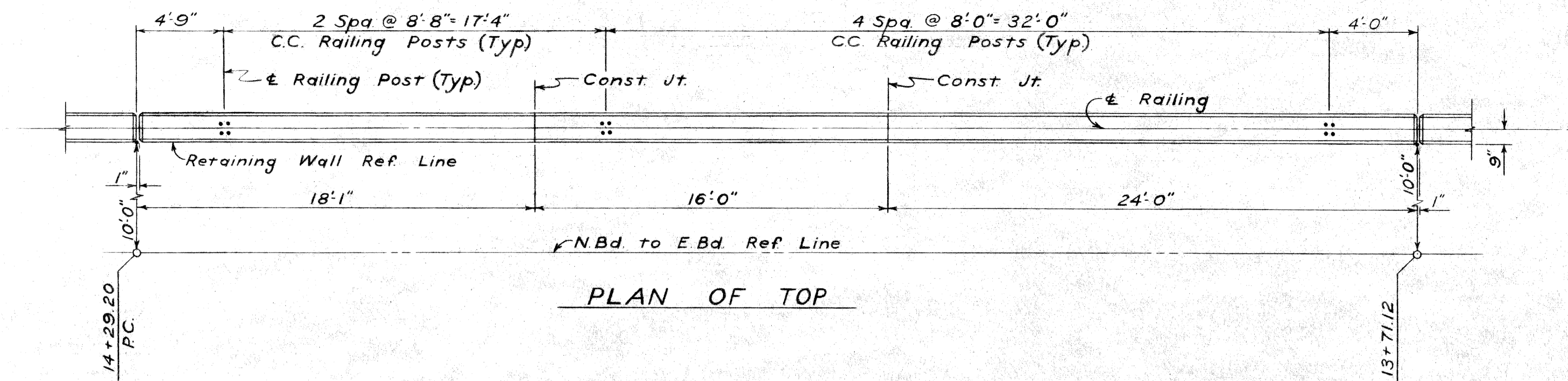
MICHIGAN DEPARTMENT OF STATE HIGHWAYS

FISHER-CHRYSLER INTERCHANGE
IN DETROIT

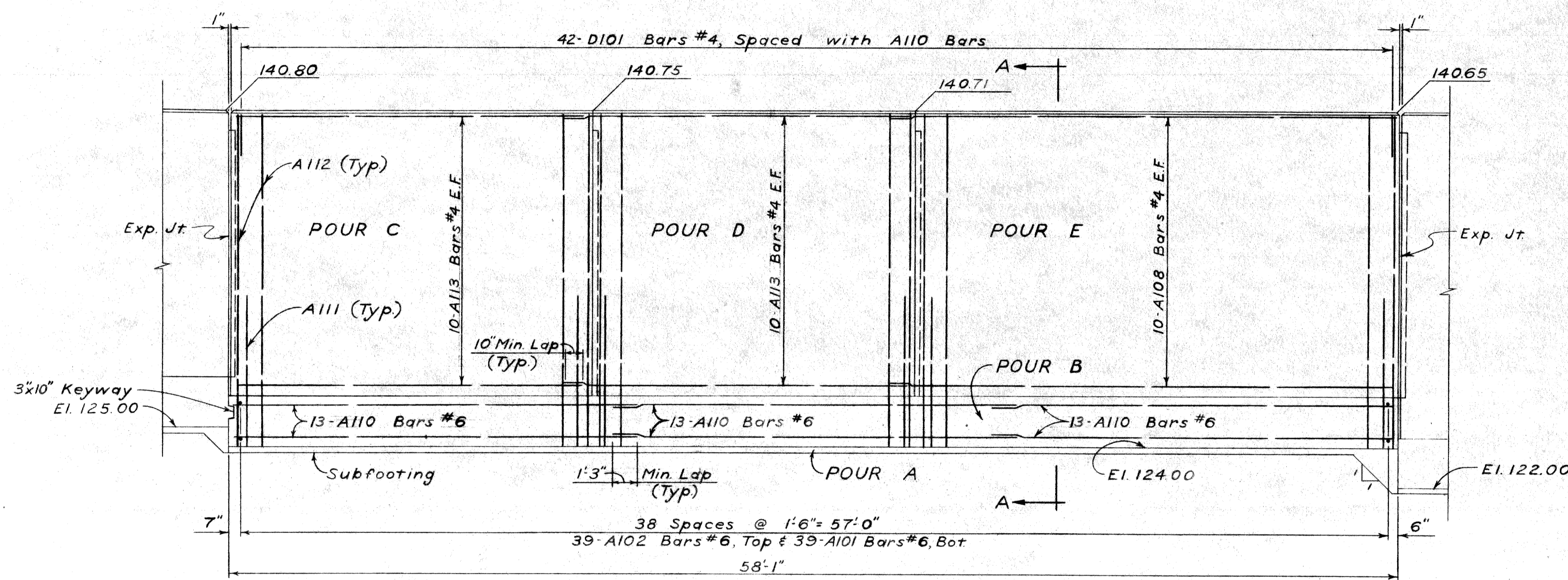
RETAINING WALL DETAILS

REVISIONS			
NO.	DESCRIPTION	DATE	BY

SQUAD BOSS	Walls	
DRAWN BY	L.B.J.	5-66
TRACED BY		
CHECKED BY	EDW.	5-66
SHEET 4 OF 17		
WOI of 82251Z		



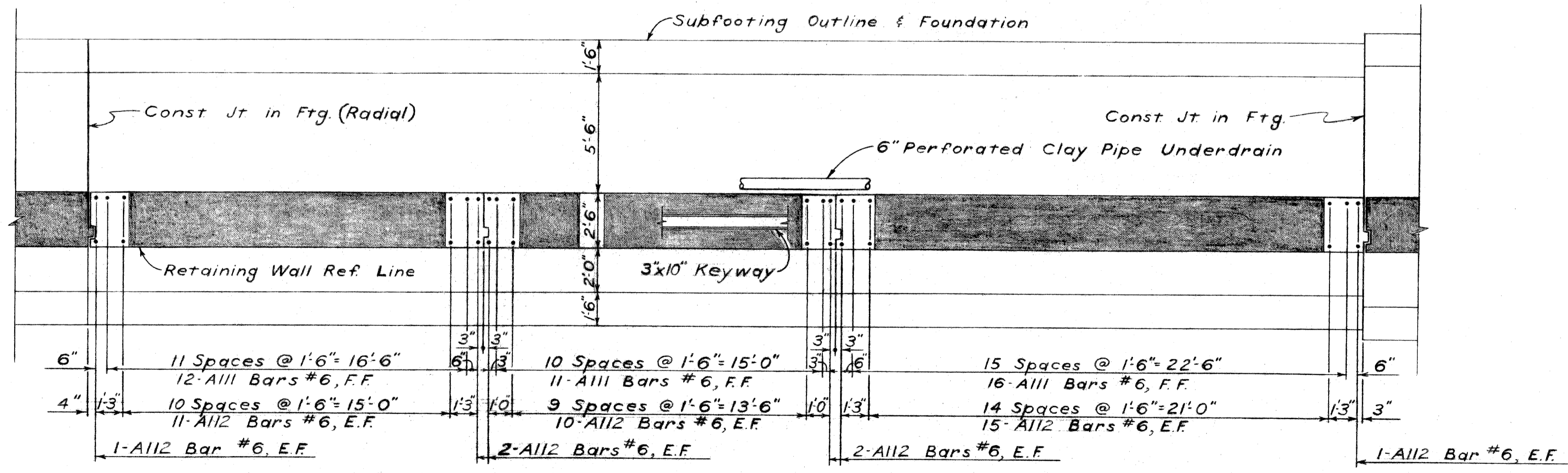
PLAN OF TOP



ELEVATION

CONCRETE QUANTITIES			
POUR	LOCATION	A6A Cyds.	A6AA Cyds.
A	Subfooting	9.3	
B	Footing	54.0	
C	Stem		17.9
D	"		16.1
E	Stem		24.0
Total-This Sheet		63.3	58.0

NOTE
For General Notes, see Sheet #2



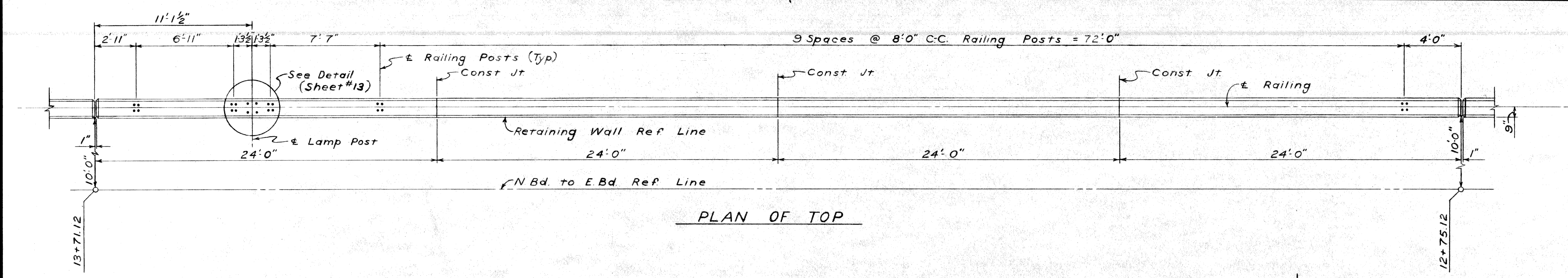
FOUNDATION PLAN

PLANS PREPARED BY
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DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
BUREAU OF HIGHWAYS AND EXPRESSWAYS
APPROVED: *[Signature]*
STRUCTURAL ENGINEER
JOB No. PW 1002(49)

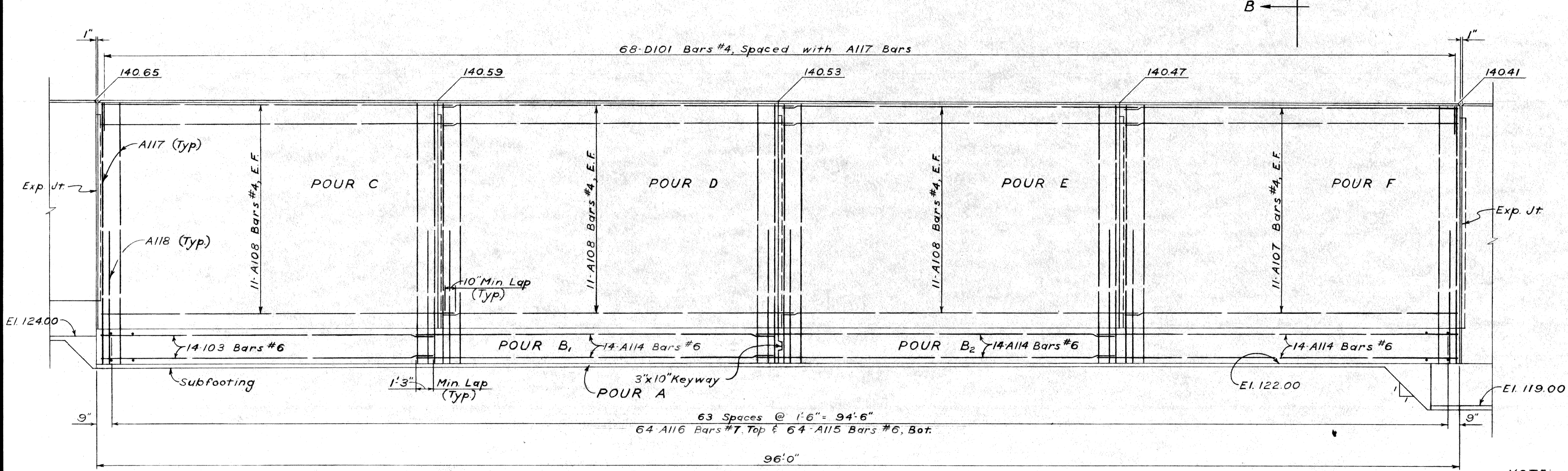
MICHIGAN DEPARTMENT OF STATE HIGHWAYS
FISHER-CHRYSLER INTERCHANGE
IN DETROIT
RETAINING WALL - DETAILS

REVISIONS			
NO.	DESCRIPTION	DATE	BY

CITY OF DETROIT
SQUAD BOSS: *Watts*
DRAWN BY: *L.B.J.* 5-66
CHECKED BY: *FDW* 5-66
SHEET 5 of 14
WOI of 82251Z



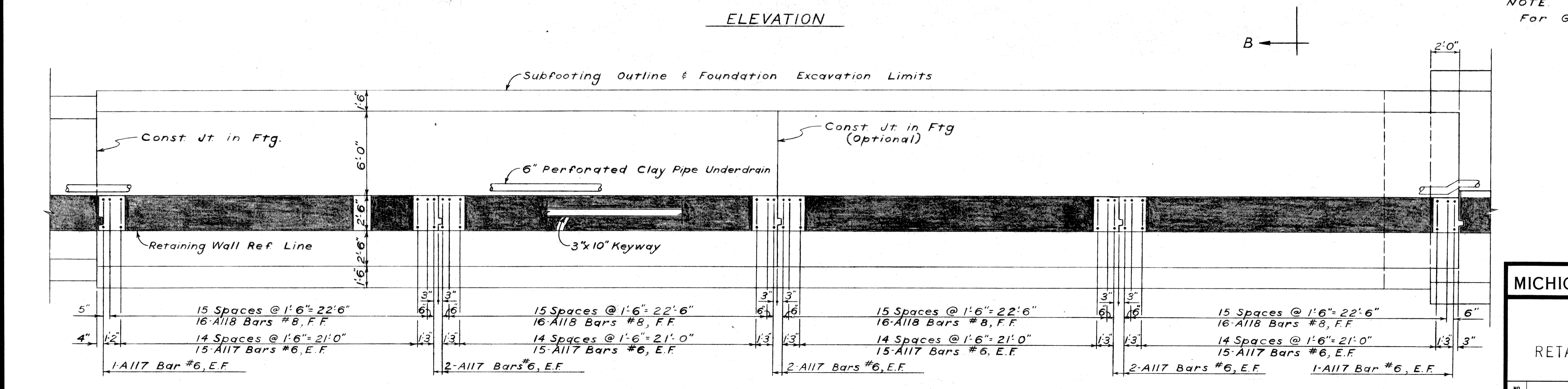
PLAN OF TOP



ELEVATION

CONCRETE QUANTITIES			
POUR	LOCATION	A6A Cyds.	A6AA Cyds.
A	Subfooting	16.8	
B ₁	Footing	48.9	
B ₂	Footing	48.9	
C	Stem		27.4
D	"		27.2
E	"		27.2
F	Stem		27.1
Total-This Sheet		114.6	108.9

NOTE:
For General Notes, see Sheet #2



FOUNDATION PLAN

PLANS PREPARED BY
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DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS' OFFICE
BUREAU OF HIGHWAYS AND EXPRESSWAYS

APPROVED: *[Signature]*
STRUCTURAL ENGINEER

JOB No.
PW 1002(49)

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

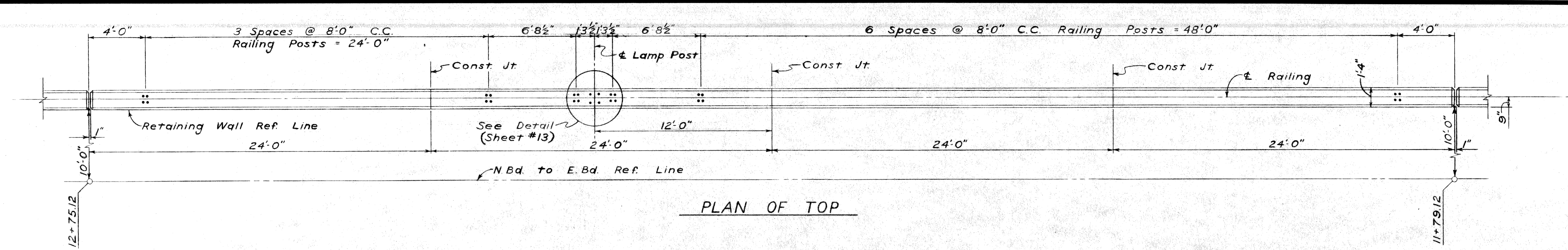
FISHER-CHRYSLER INTERCHANGE
IN DETROIT

RETAINING WALL DETAILS

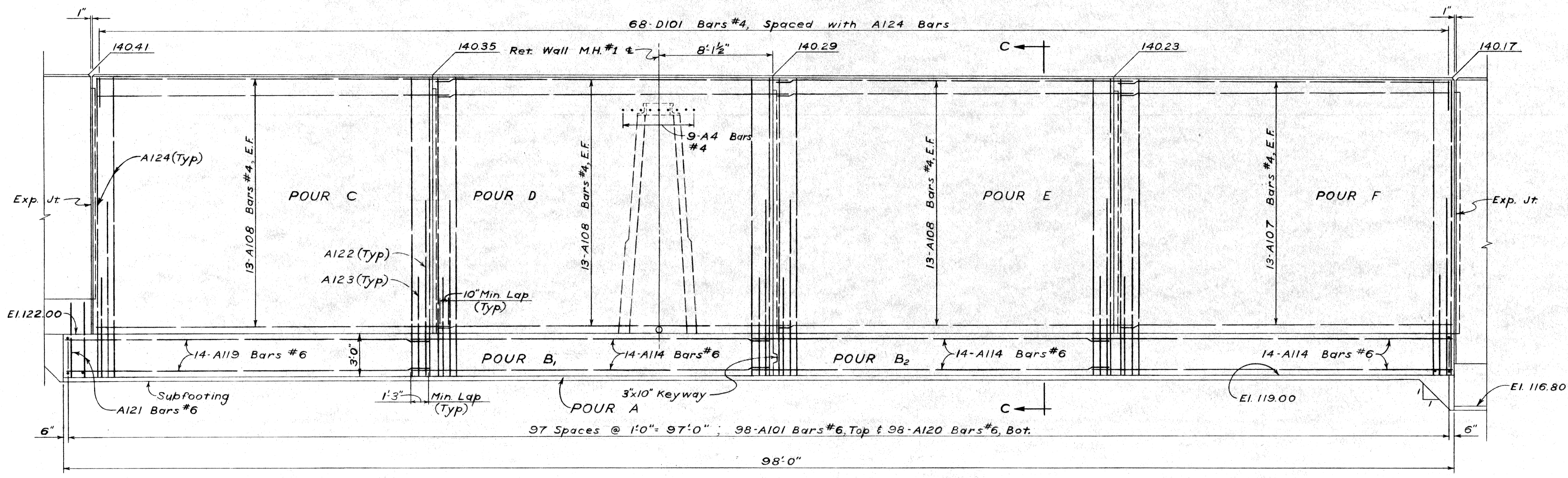
REVISIONS			
NO.	DESCRIPTION	DATE	BY

SQUAD BOSS	Watts	5-66
DRAWN BY	L.B.J.	
TRACED BY		
CHECKED BY	F.D.W.	5-66
SHEET	6	of 14

W01 of 82251Z



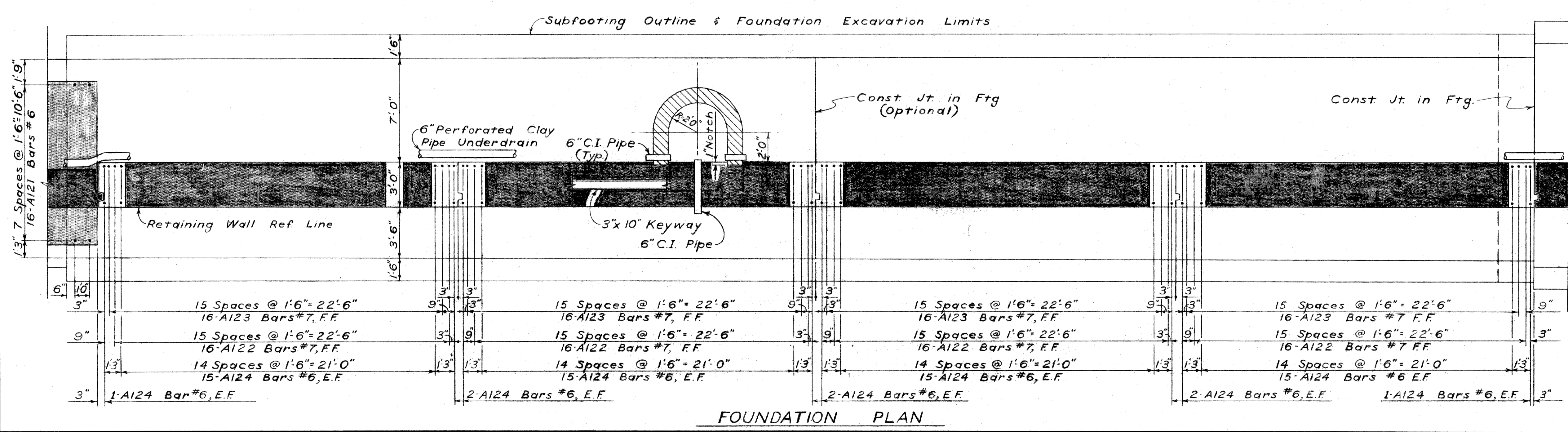
PLAN OF TOP



ELEVATION

CONCRETE QUANTITIES			
POUR	LOCATION	A6A Cyds.	A6AA Cyds.
A	Subfooting	19.3	
B ₁	Footing	75.0	
B ₂	Footing	72.0	
C	Stem		35.4
D	"		35.3
E	"		35.2
F	Stem		35.2
Total This Sheet		166.3	141.1

NOTE:
For General Notes, see Sheet #2



FOUNDATION PLAN

PLANS PREPARED BY
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CITY ENGINEERS OFFICE
BUREAU OF HIGHWAYS AND EXPRESSWAYS

APPROVED: *[Signature]* STRUCTURAL ENGINEER
JOB No. PW 1002(49)

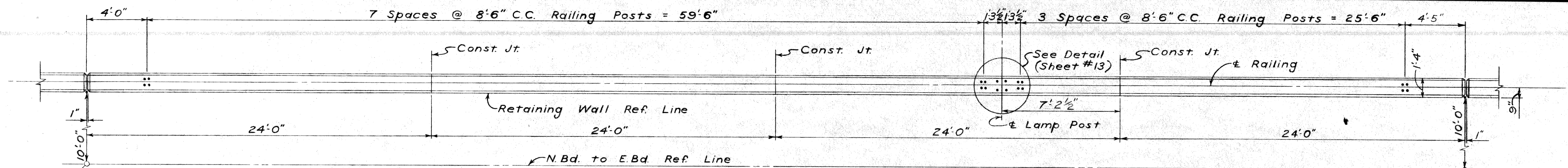
MICHIGAN DEPARTMENT OF STATE HIGHWAYS
FISHER-CHRYSLER INTERCHANGE
IN DETROIT

RETAINING WALL DETAILS

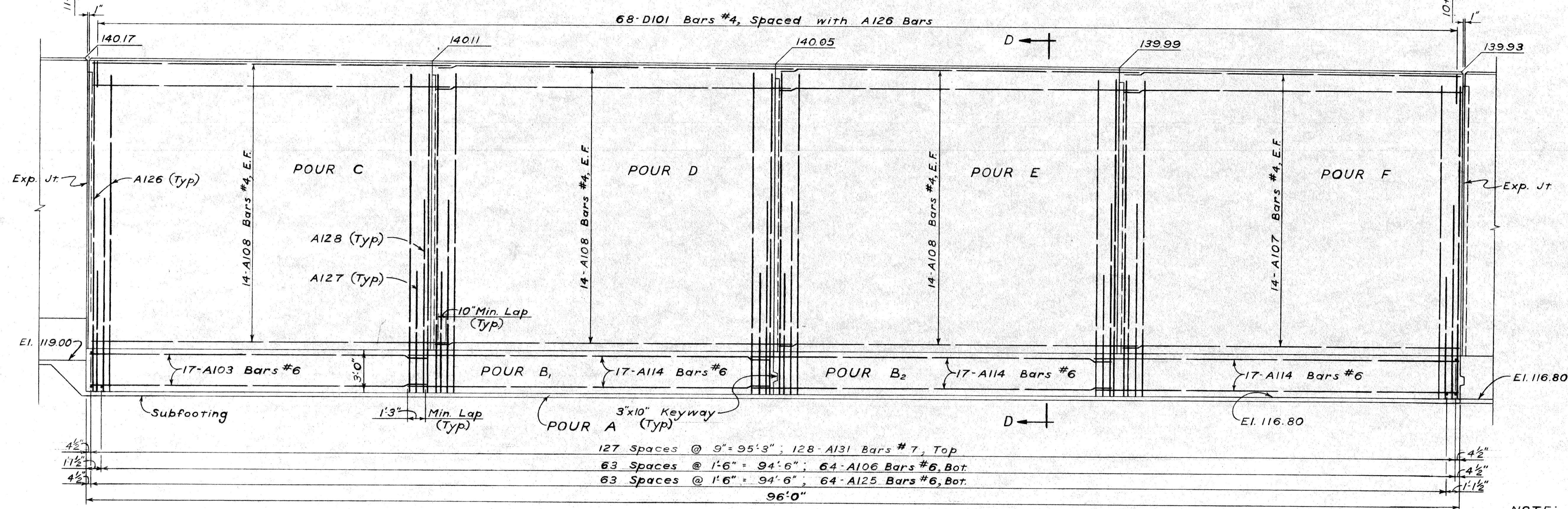
REVISIONS		
NO.	DESCRIPTION	DATE BY

CITY OF DETROIT
SQUAD BOSS: *Watts*
DRAWN BY: *L.B.U.* 5-66
TRACED BY: *[Signature]*
CHECKED BY: *FDW* 6-66
SHEET 7 OF 14

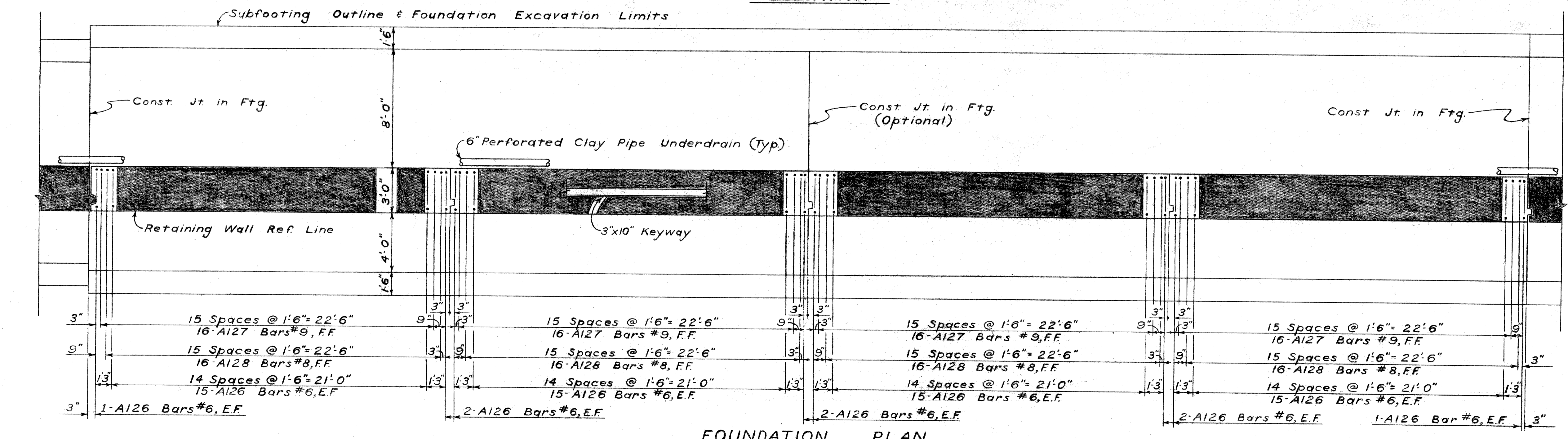
WOI of 82251Z



PLAN OF TOP



ELEVATION



FOUNDATION PLAN

CONCRETE QUANTITIES			
POUR	LOCATION	A6A Cyds	A6AA Cyds.
A	Subfooting	18.6	
B ₁	Footing	80.0	
B ₂	Footing	80.0	
C	Stem		39.1
D	"		39.0
E	"		38.9
F	Stem		38.9
Total - This Sheet		178.6	155.9

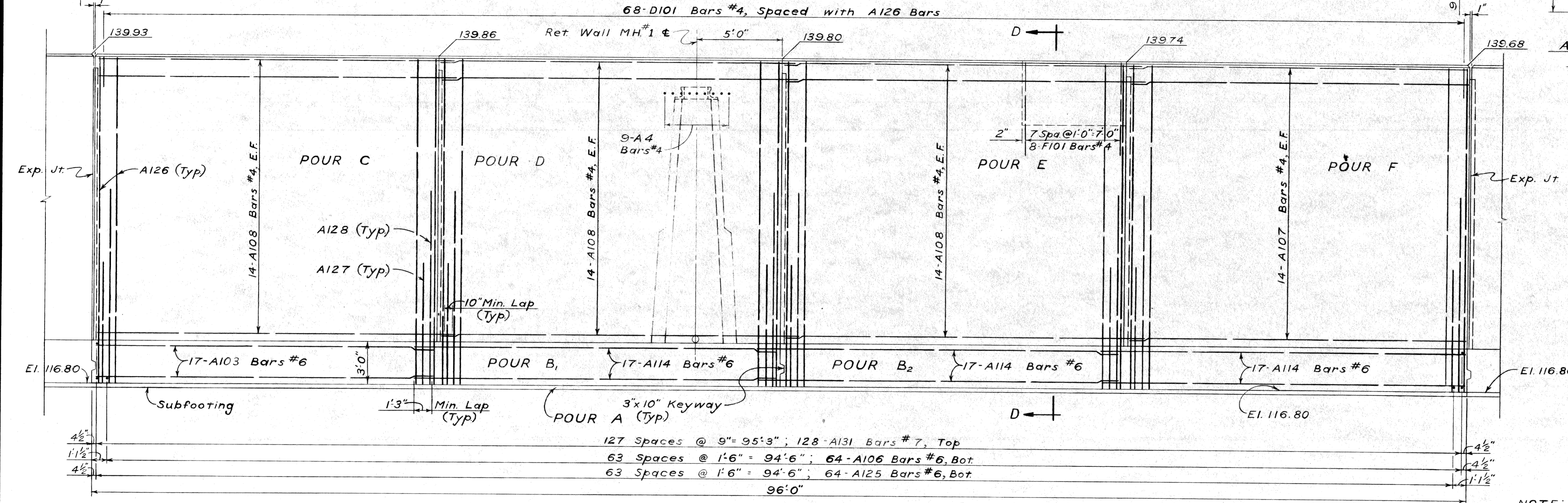
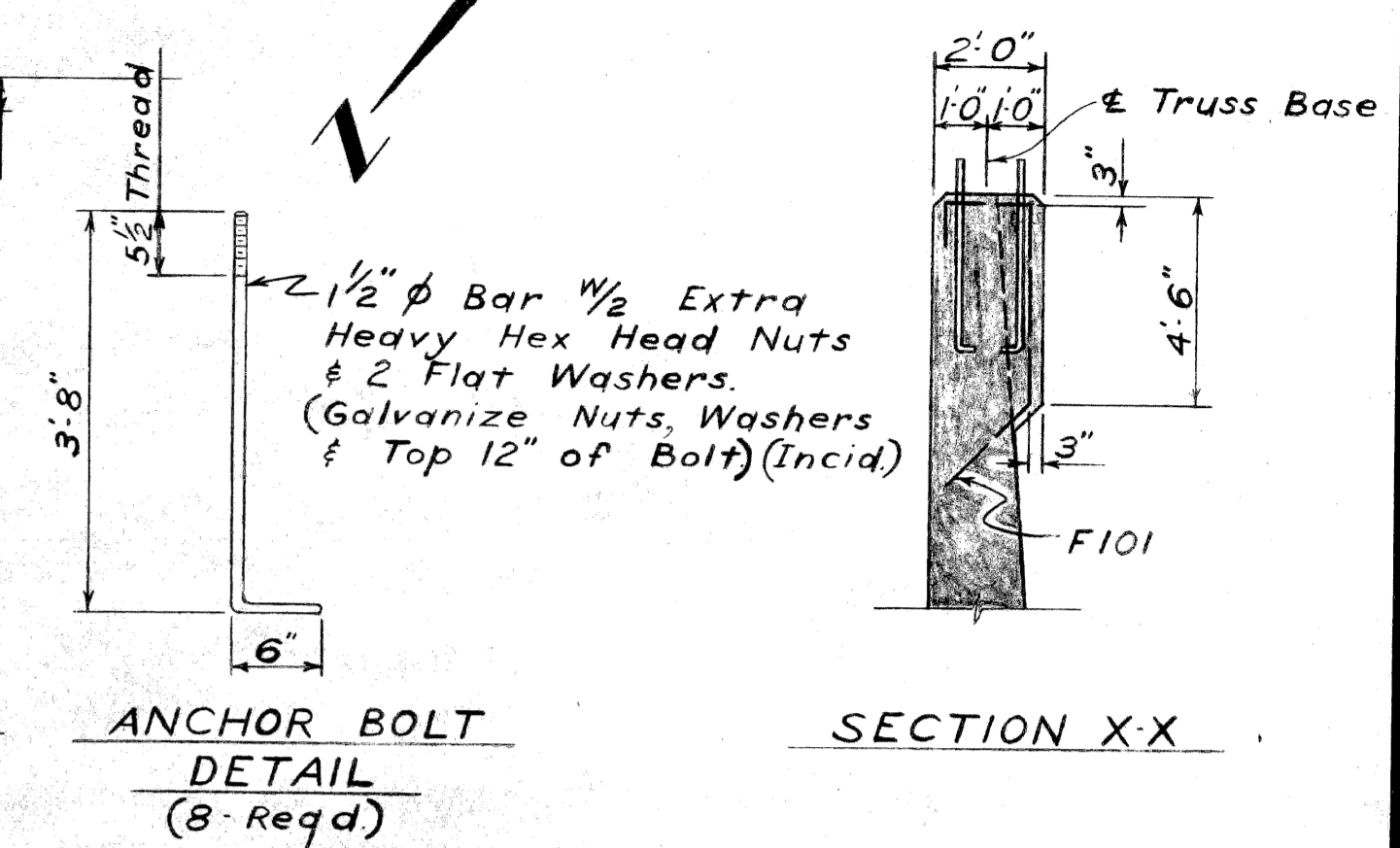
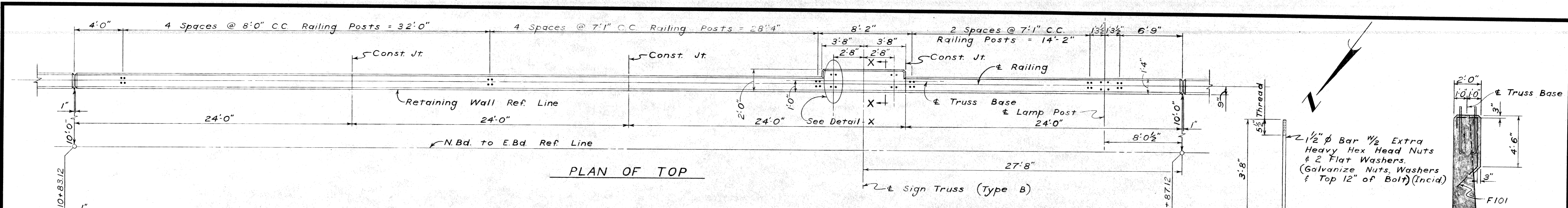
NOTE:
For General Notes, See 'Sheet #2'

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APPROVED: *[Signature]*
STRUCTURAL ENGINEER
JOB No.
PW 1002(49)

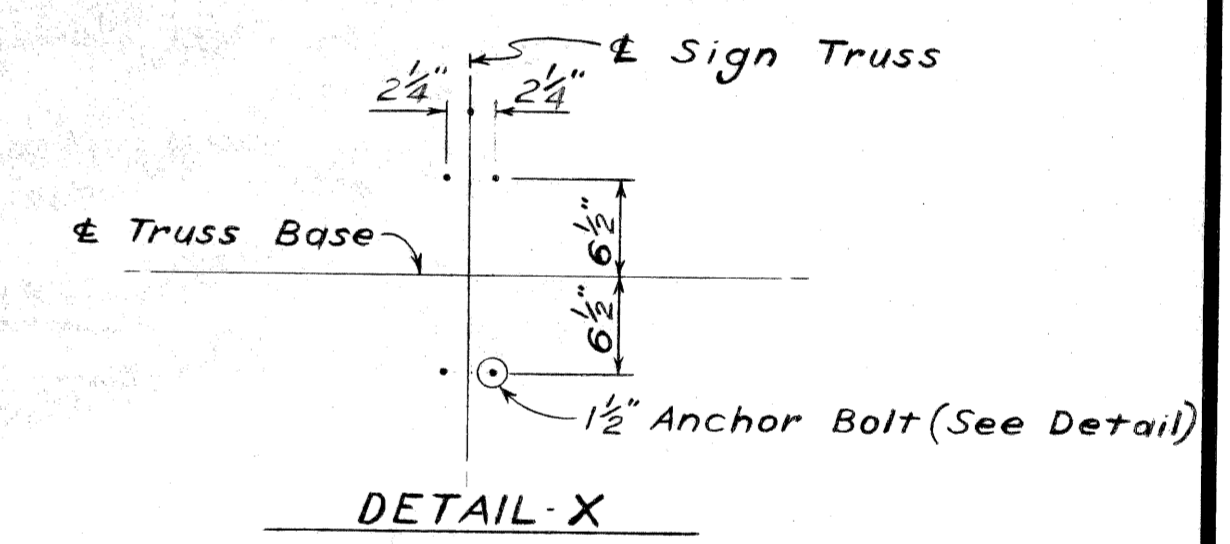
MICHIGAN DEPARTMENT OF STATE HIGHWAYS
FISHER-CHRYSLER INTERCHANGE
IN DETROIT
RETAINING WALL DETAILS

REVISIONS			
NO.	DESCRIPTION	DATE	BY

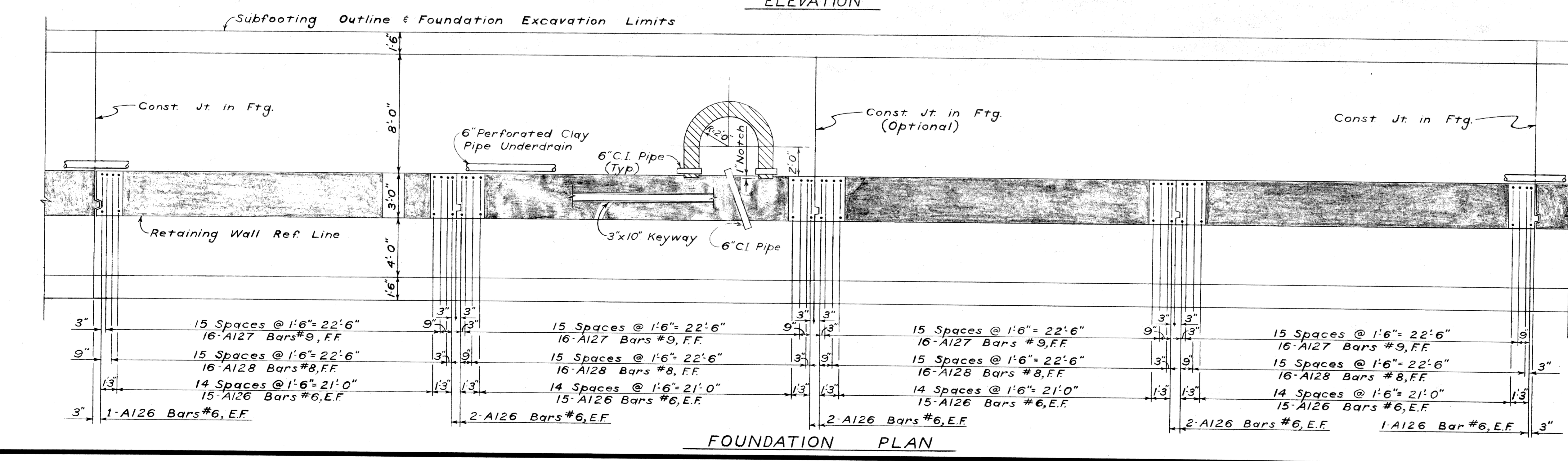
CITY OF DETROIT
SQUAD BOSS: *Watts*
DRAWN BY: *L.B.J.* 5-66
TRACED BY: *L.B.J.*
CHECKED BY: *FDW* 6-66
SHEET 8 OF 14
WO1 of 82251Z



CONCRETE QUANTITIES			
POUR	LOCATION	A6A Cyds.	A6AA Cyds.
A	Subfooting	18.6	
B ₁	Footing	80.0	
B ₂	Footing	80.0	
C	Stem		39.6
D	"		38.5
E	"		39.2
F	Stem		38.4
Total - This Sheet		1786	154.7



NOTE: For General Notes, See Sheet #2



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APPROVED: *[Signature]*
 STRUCTURAL ENGINEER

JOB No. PW 1002(49)

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

FISHER-CHRYSLER INTERCHANGE
 IN DETROIT

RETAINING WALL DETAILS

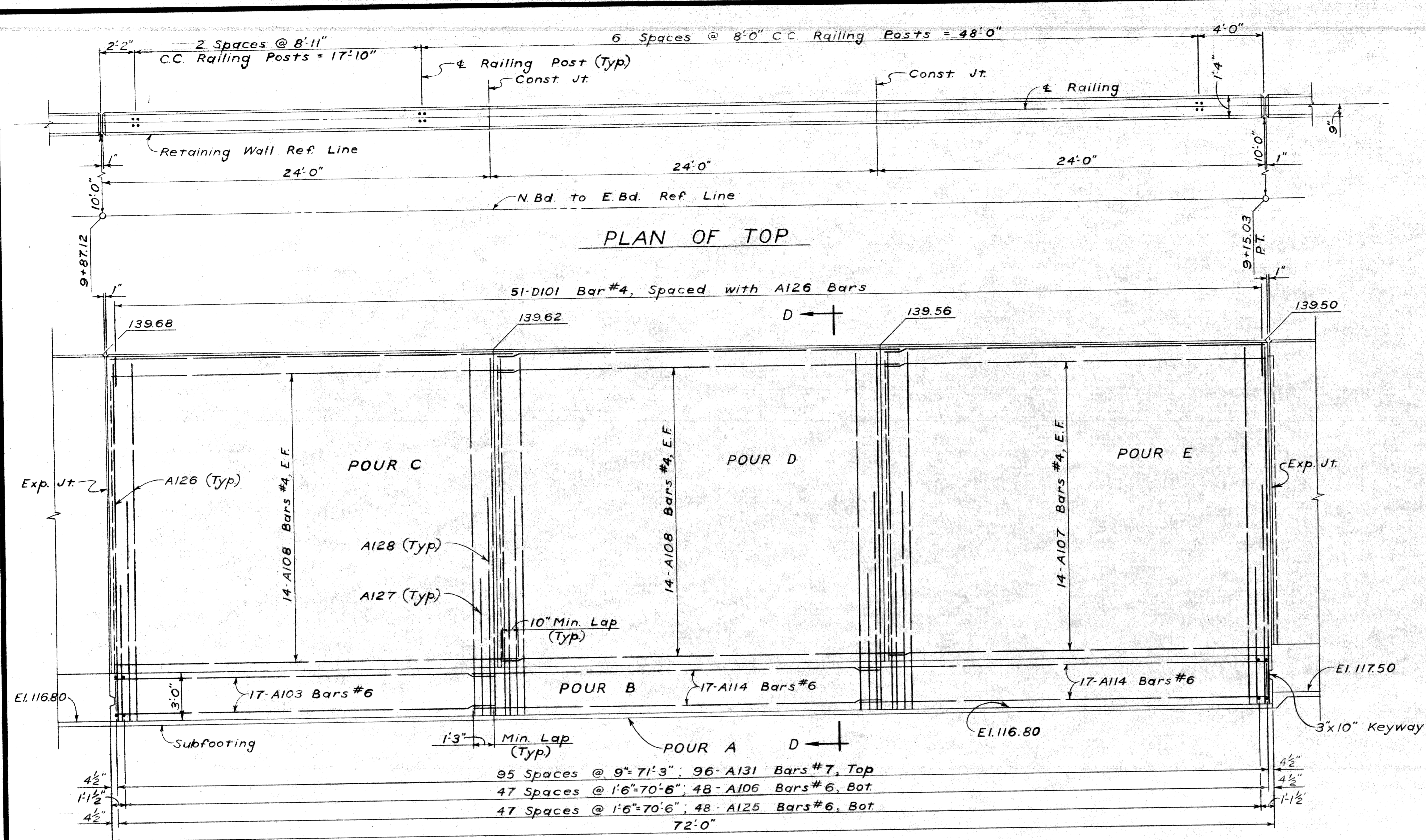
CITY OF DETROIT

REVISIONS

NO.	DESCRIPTION	DATE	BY

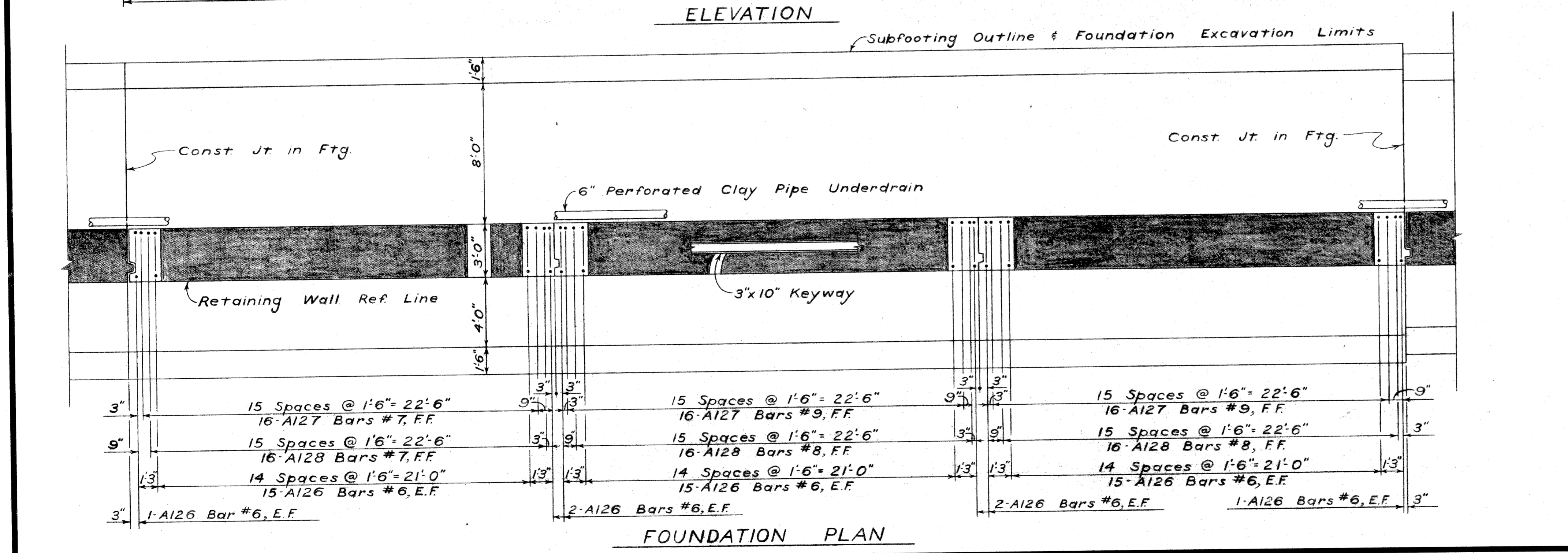
SQUAD BOSS: *[Signature]*
 DRAWN BY: L.B.J. 5-66
 CHECKED BY: EDW. 6-66
 SHEET 9 OF 14

WOI of 82251Z



CONCRETE QUANTITIES			
POUR	LOCATION	A6A Cyds.	A6AA Cyds.
A	Subfooting	13.9	
B	Footing	120.2	
C	Stem		38.2
D	"		38.1
E	Stem		38.0
Total This Sheet		134.1	114.3

NOTE:
For General Notes, see Sheet #2



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APPROVED: *[Signature]*
STRUCTURAL ENGINEER

JOB No.
PW 1002(49)

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

FISHER-CHRYSLER INTERCHANGE
IN DETROIT

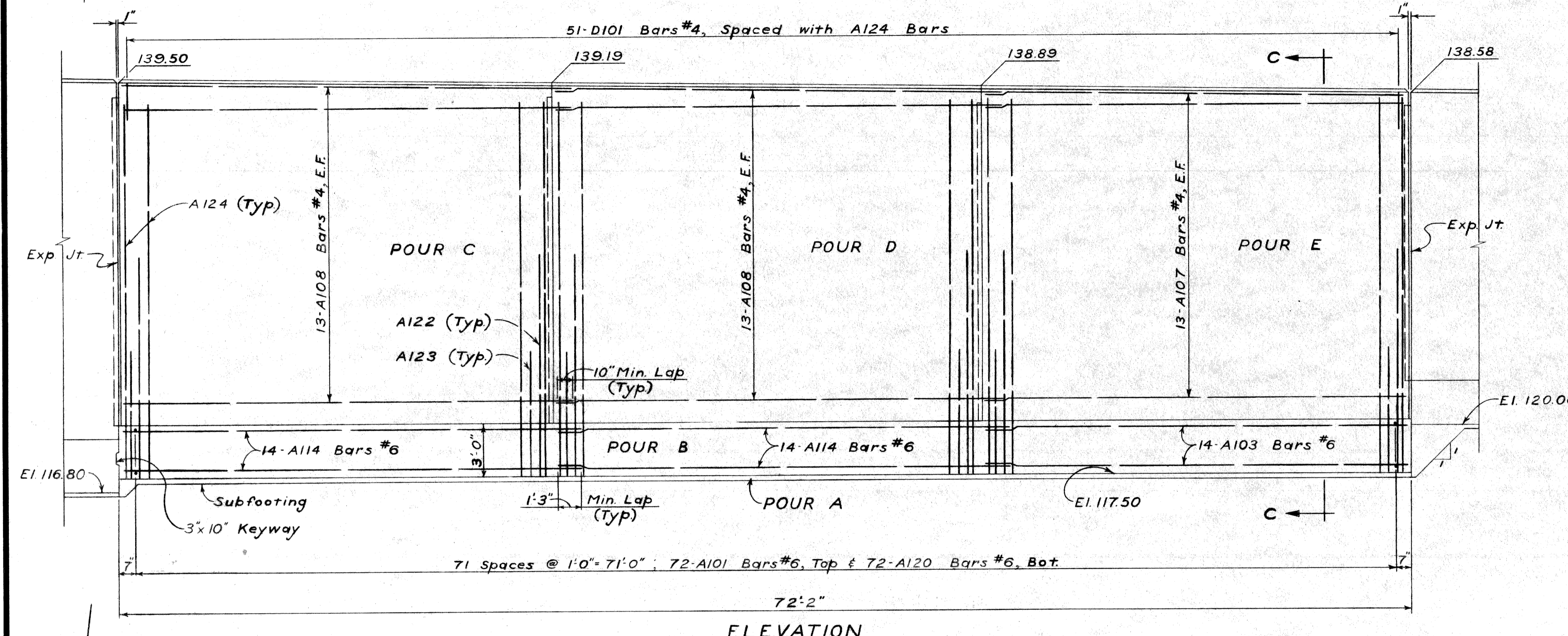
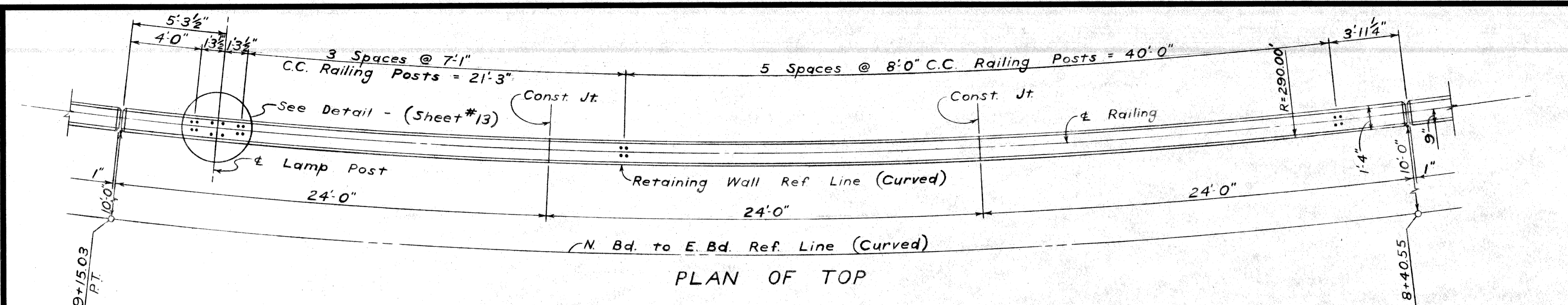
RETAINING WALL DETAILS

CITY OF DETROIT

NO.	REVISIONS	DESCRIPTION	DATE	BY

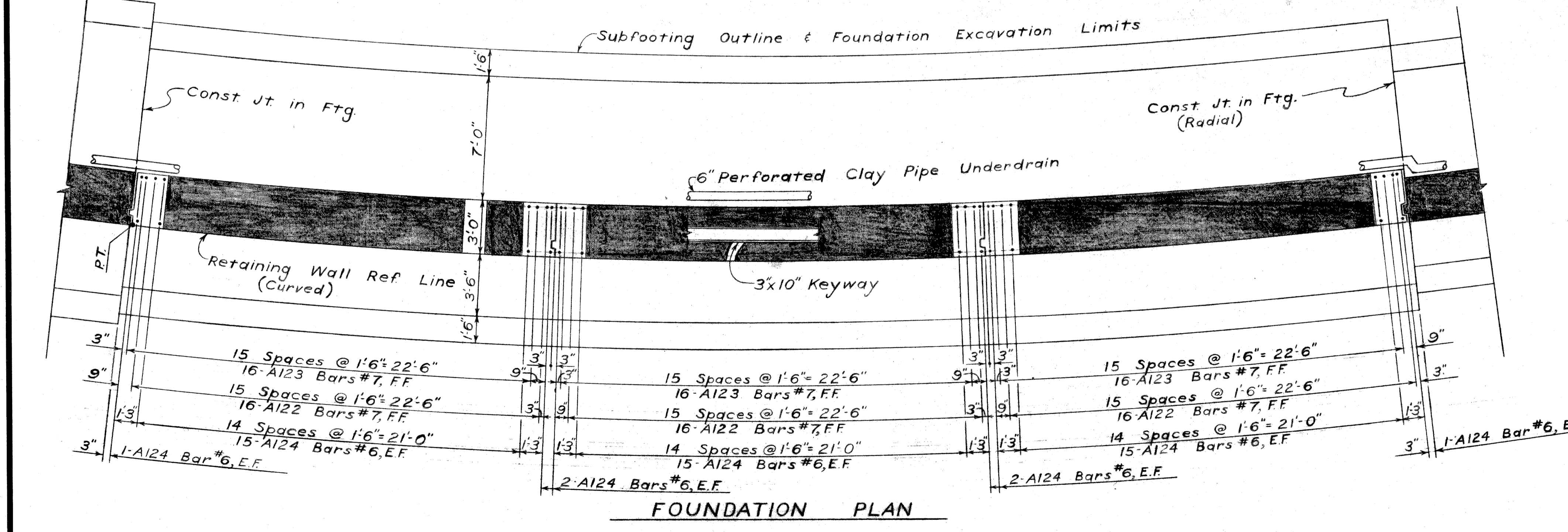
SQUAD BOSS	Wolfs	
DRAWN BY	L.B.J.	5-66
TRACED BY		
CHECKED BY	FDW	6-66
		SHEET 10 OF 14

WOI of 82251Z



CONCRETE QUANTITIES			
POUR	LOCATION	A6A Cyds.	A6AA Cyds.
A	Subfooting	13.1	
B	Footing	108.0	
C	Stem		36.3
D	"		35.7
E	Stem		35.1
Total This Sheet		121.1	107.1

NOTE:
For General Notes, see Sheet #2

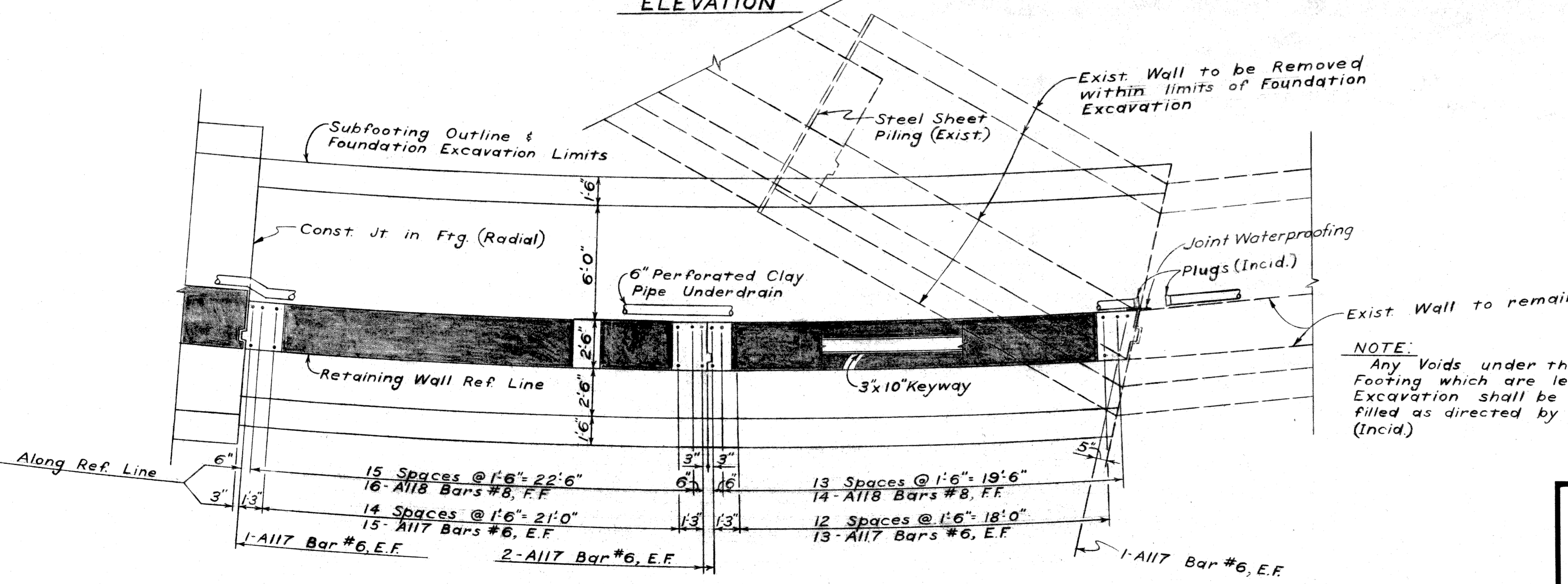
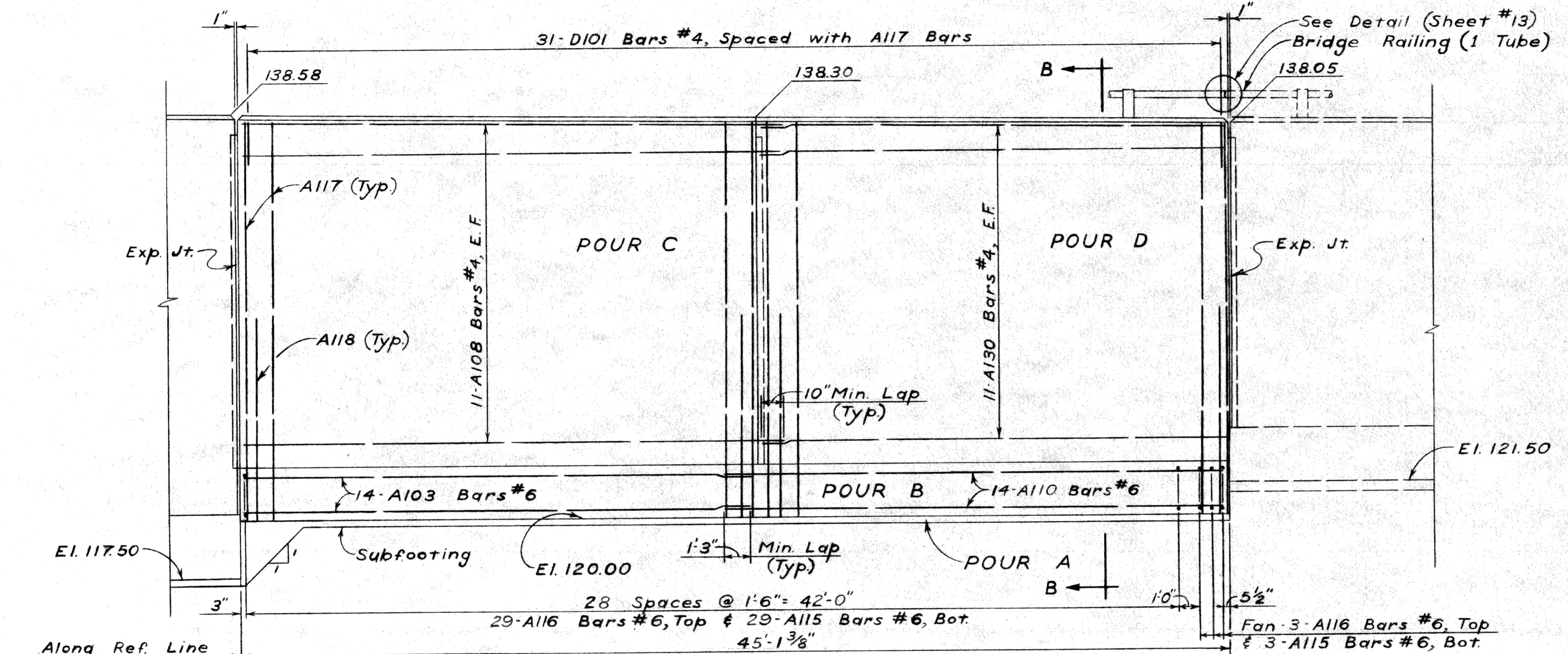
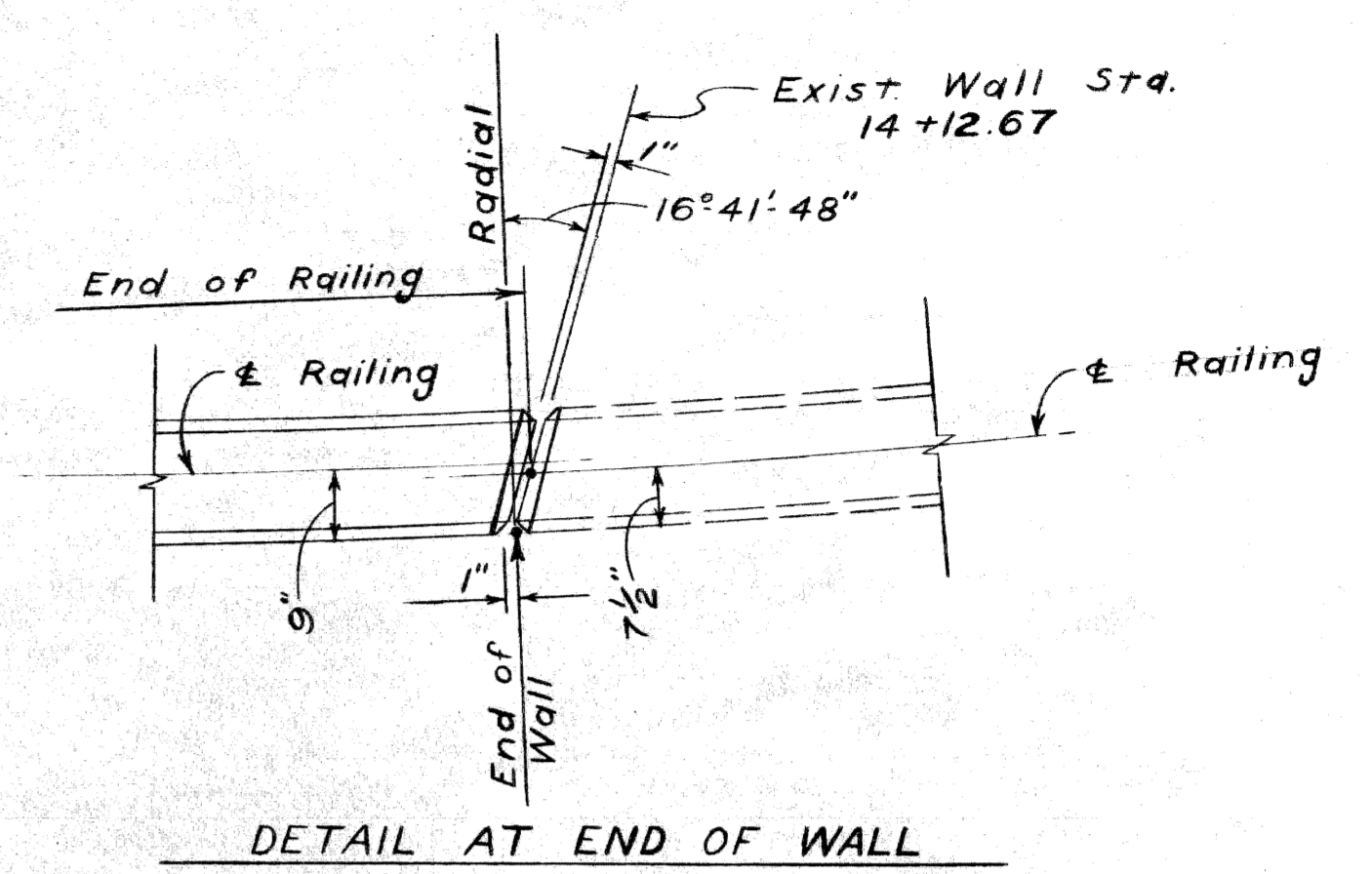
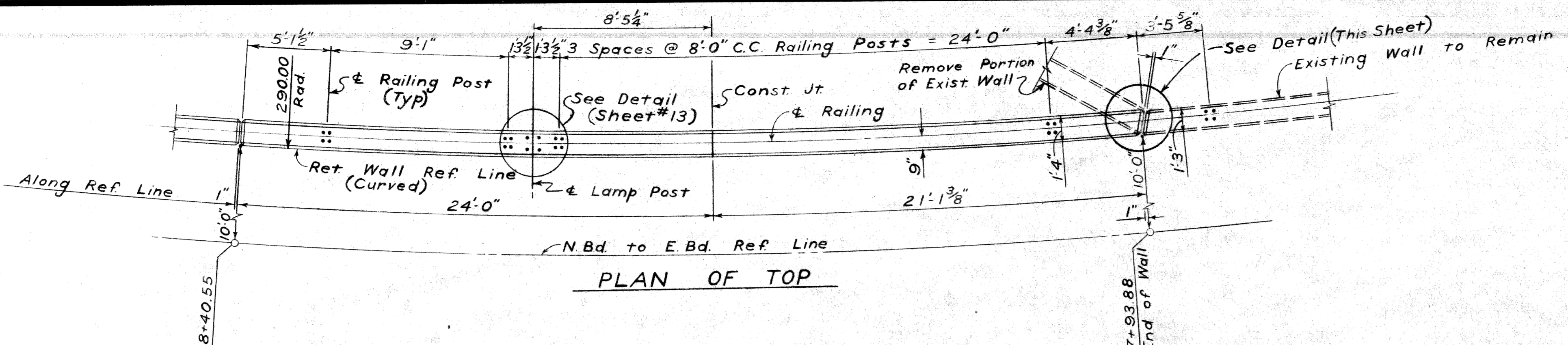


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BUREAU OF HIGHWAYS AND EXPRESSWAYS
APPROVED: [Signature] STRUCTURAL ENGINEER
JOB No. PW 1002(49)

MICHIGAN DEPARTMENT OF STATE HIGHWAYS
FISHER-CHRYSLER INTERCHANGE
IN DETROIT
RETAINING WALL DETAILS

REVISIONS			
NO.	DESCRIPTION	DATE	BY

CITY OF DETROIT
SQUAD BOSS: [Signature] 6-66
DRAWN BY: L.B.J.
TRACED BY: [Signature]
CHECKED BY: EDW. G.G.G.
SHEET 11 OF 14
WOI of 82251Z



CONCRETE QUANTITIES			
POUR	LOCATION	A6A Cyds.	A6AA Cyds.
A	Subfooting	8.7	
B	Footing	45.8	
C	Stem		27.1
D	Stem		23.3
Total This Sheet		54.5	50.4

NOTE: For General Notes, see Sheet #2

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APPROVED: *[Signature]*
 STRUCTURAL ENGINEER

JOB No.
 PW 1002(49)

MICHIGAN DEPARTMENT OF STATE HIGHWAYS
 FISHER-CHRYSLER INTERCHANGE
 IN DETROIT

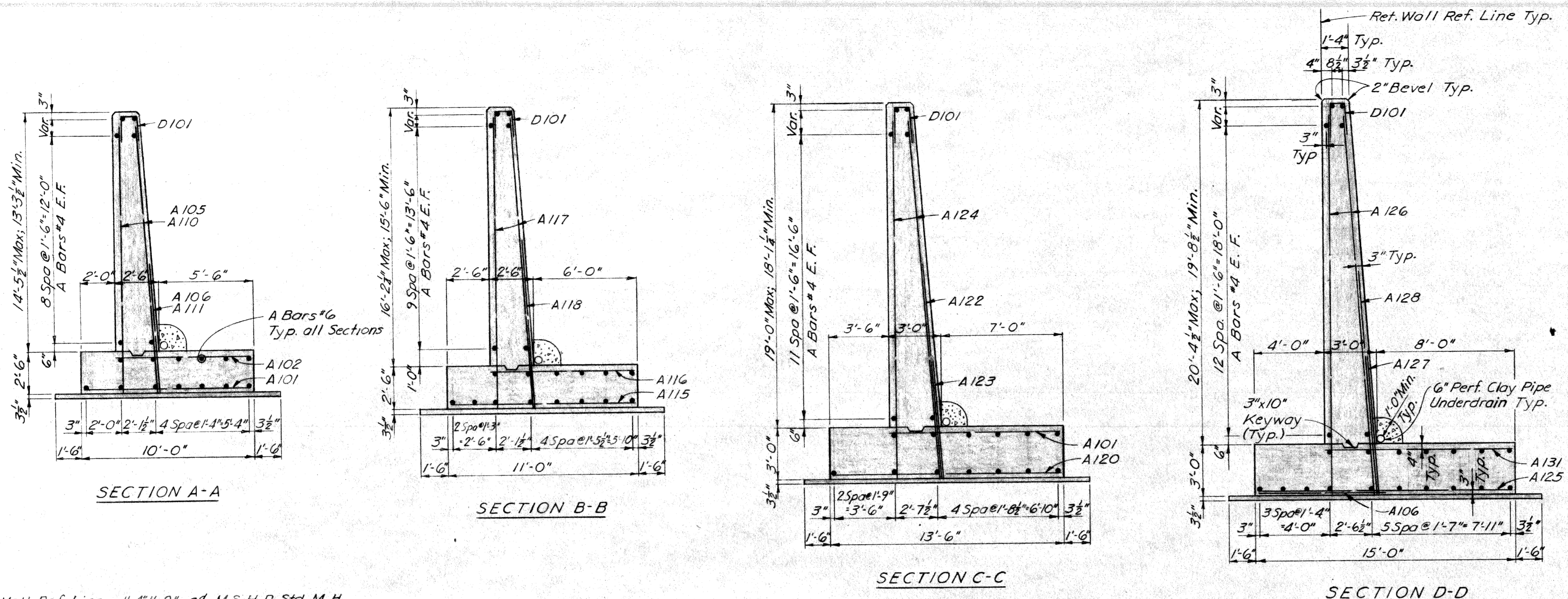
RETAINING WALL DETAILS

REVISIONS			
NO.	DESCRIPTION	DATE	BY

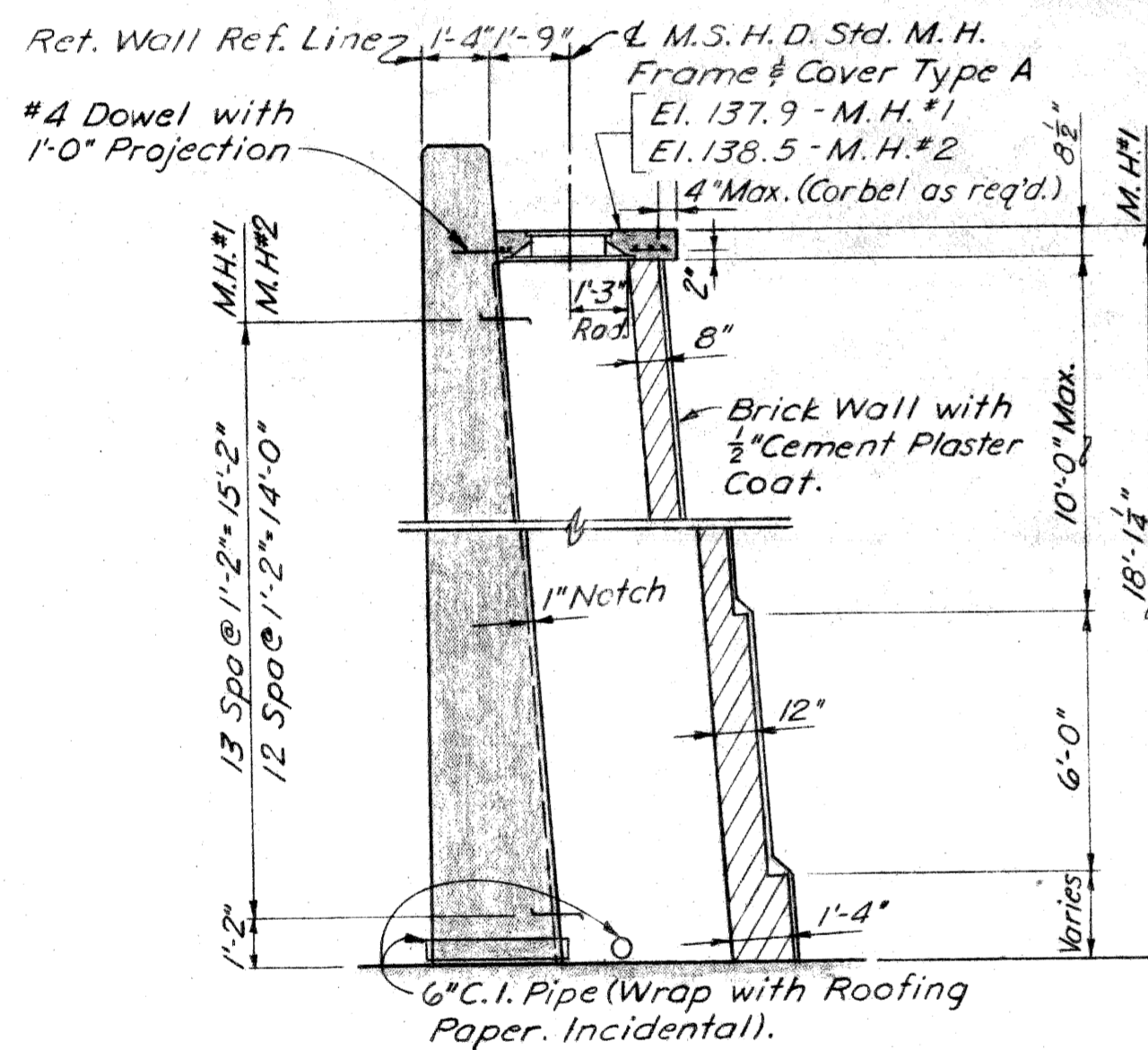
CITY OF DETROIT

SQUAD BOSS	Watts	6-66
DRAWN BY	L.B.J.	6-66
CHECKED BY	FDW	6-66
SHEET 12 OF 14		

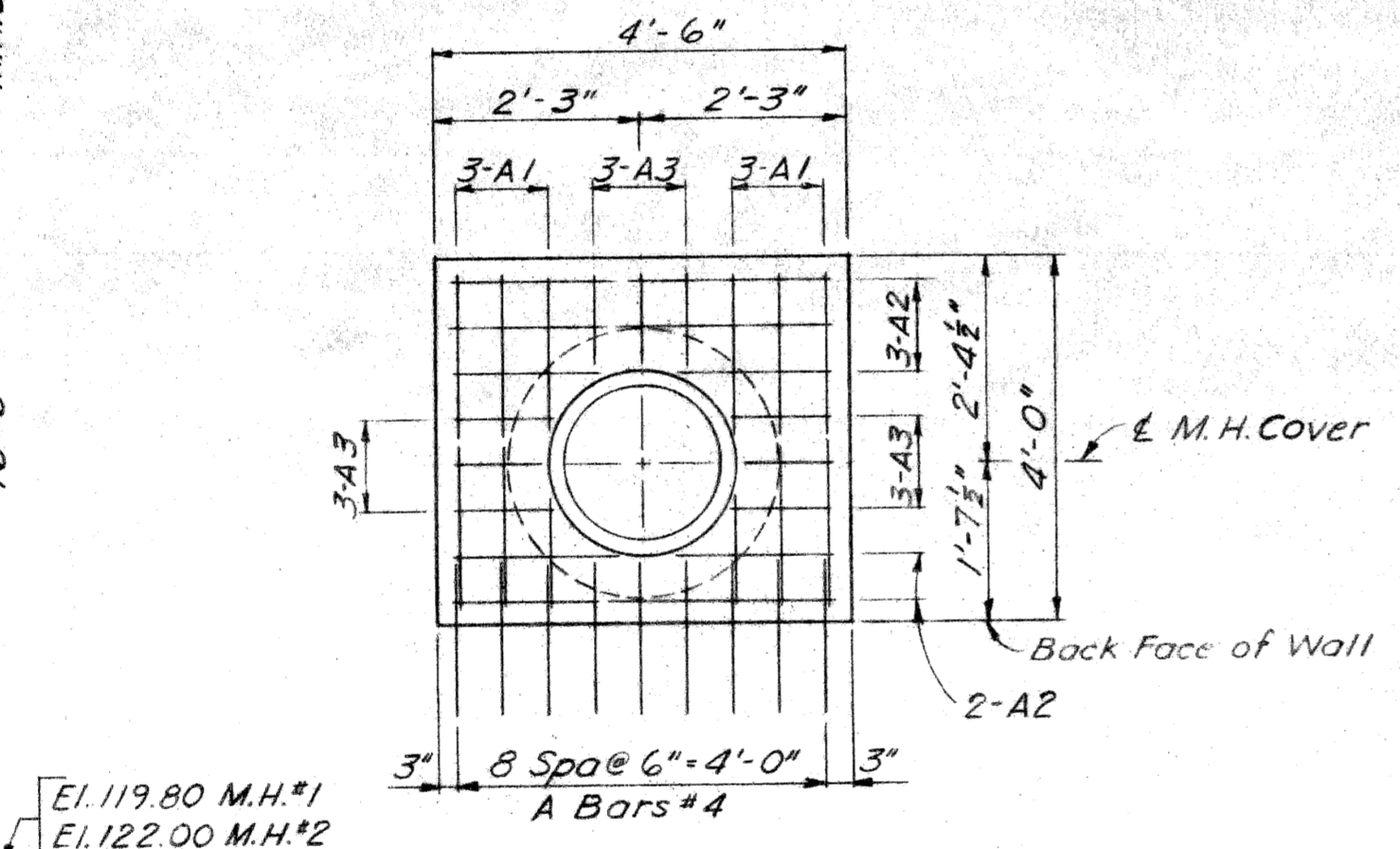
WOI of 82251Z



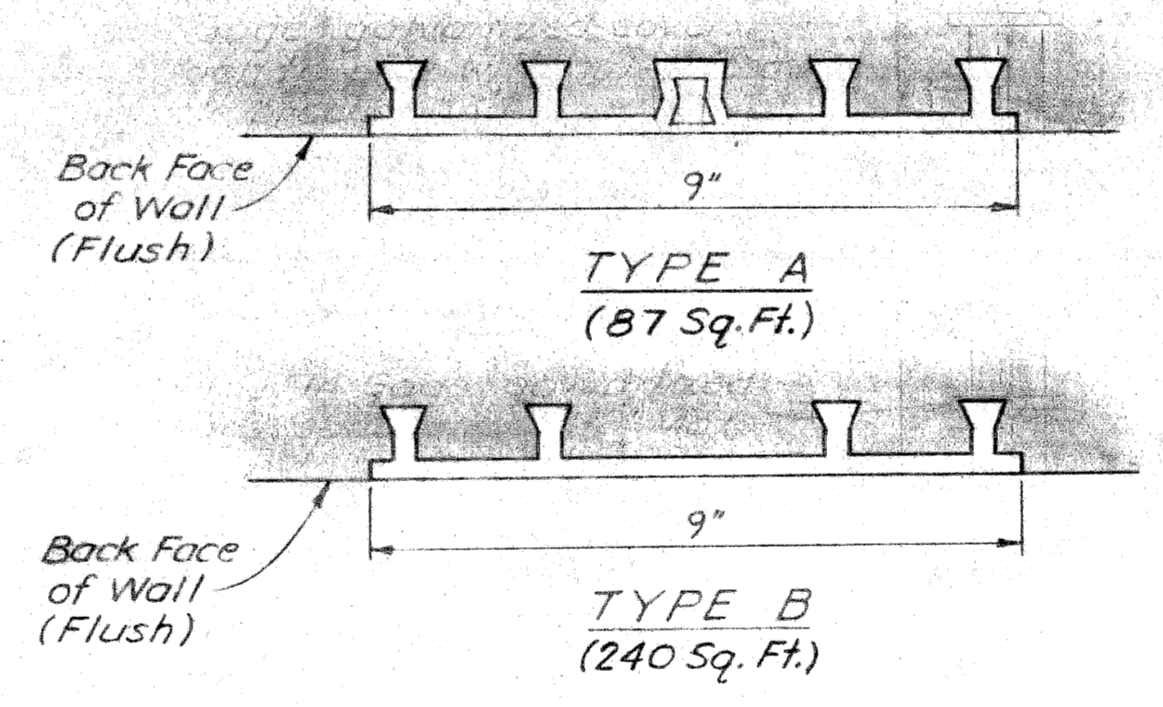
MISCELLANEOUS QUANTITIES		
Item	Unit	Amount
6" Class A Sewer	Lin. Ft.	11
Removing Portion of Exist. Struct.	Lump Sum	Lump Sum
Unclassified Excavation	Cu. Yd.	3668
Low Temperature Protection, Substr.	Cu. Yd.	1915
1/4" Joint Filler	Sq. Ft.	82
1" Joint Filler	Sq. Ft.	317
Joint Waterproofing	Sq. Ft.	19
Non-Metallic Waterstop	Sq. Ft.	327
Bridge Railing, Fab. & Erect., 1" Tube	Lin. Ft.	700.1
6" Perf. Clay Pipe Underdrain	Lin. Ft.	702
6" C.I. Pipe	Lin. Ft.	14
Sand Gravel Material C.I.P.	Cu. Yd.	5961
Retaining Wall Manhole	Each	2
Ladder Rungs	Each	27



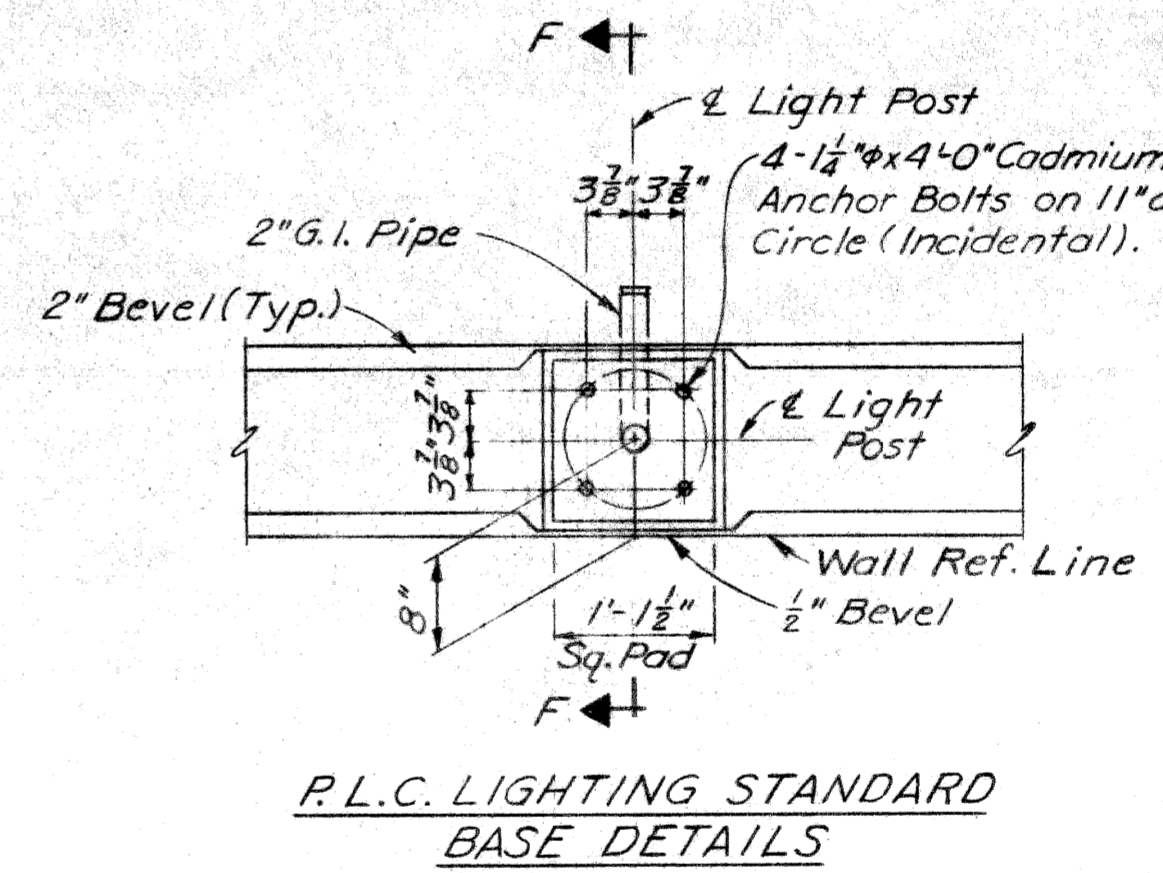
TYPICAL SECTION MANHOLES #1 & #2



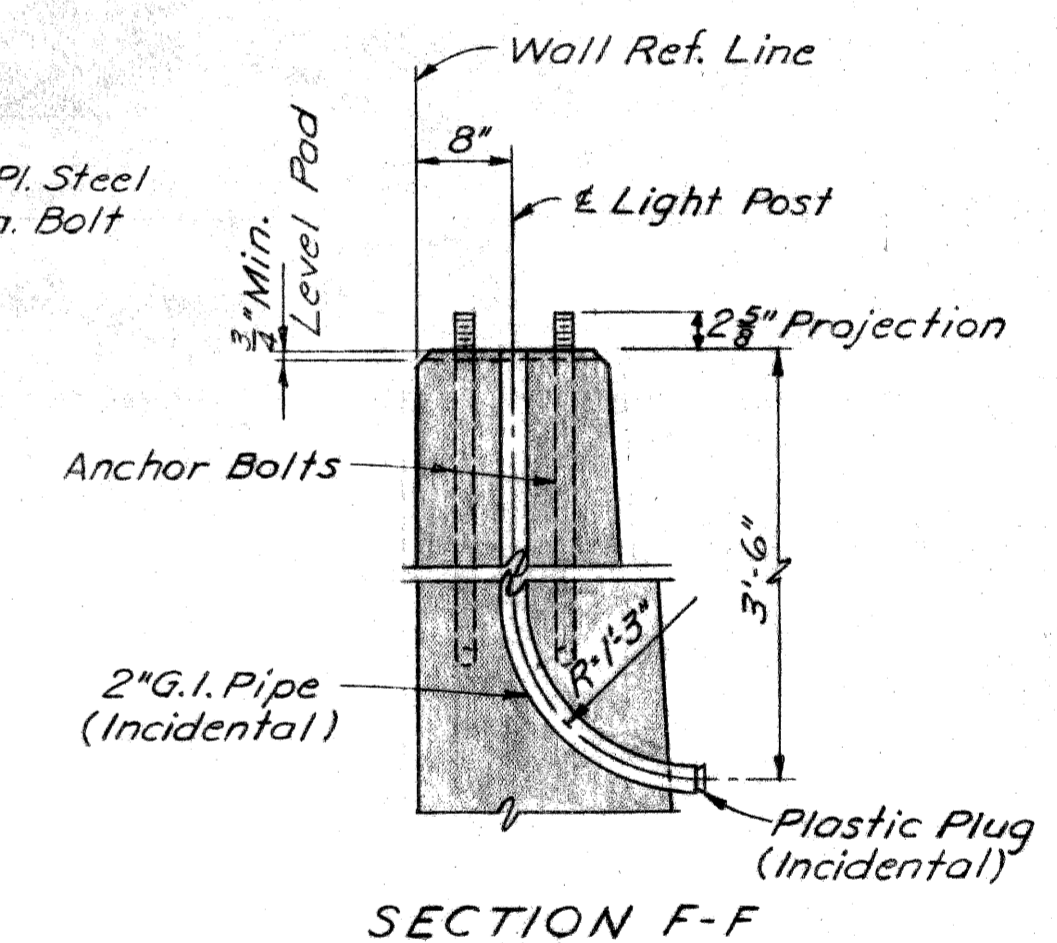
MANHOLE SLAB DETAIL
 Note: All Manhole Slab bars are #4 @ 6". Cut or bend in field as required.
 Manhole Slab, Slab Reinforcement and Manhole Frame & Cover are incidental to Retaining Wall Manhole.



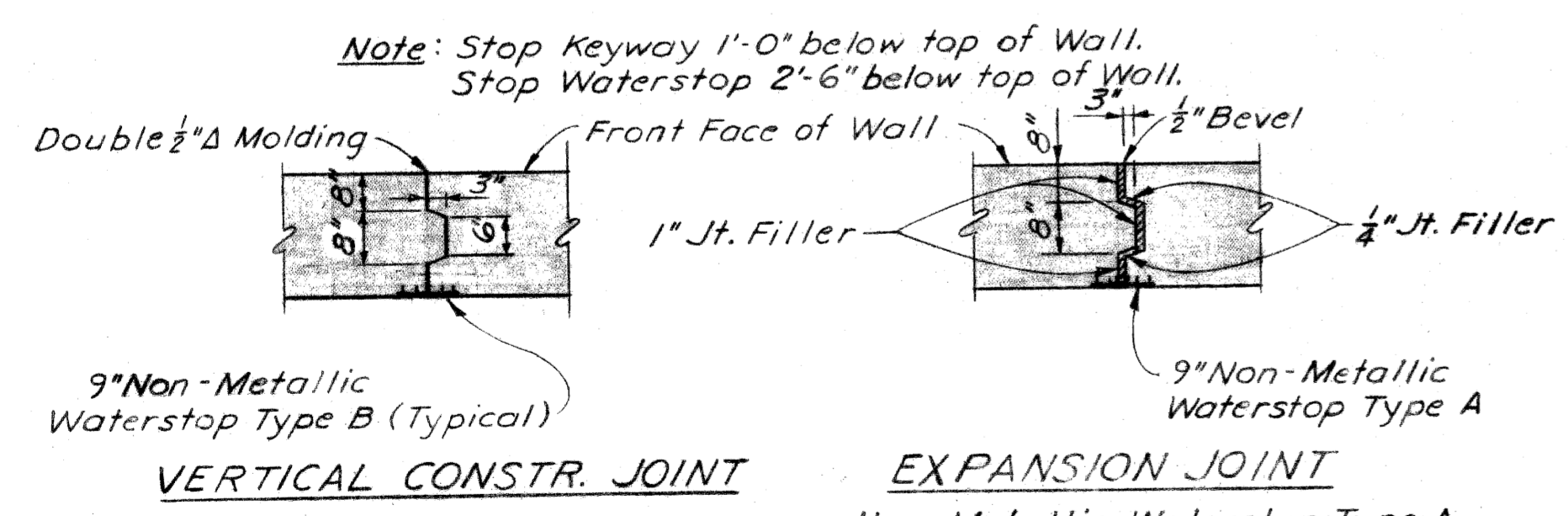
NON-METALLIC WATERSTOP DETAILS



R.L.C. LIGHTING STANDARD BASE DETAILS



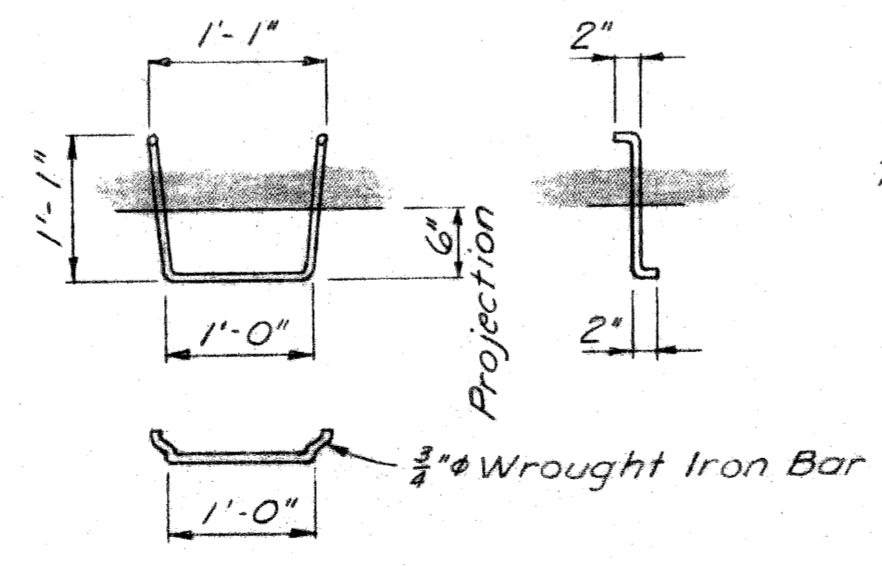
SECTION F-F



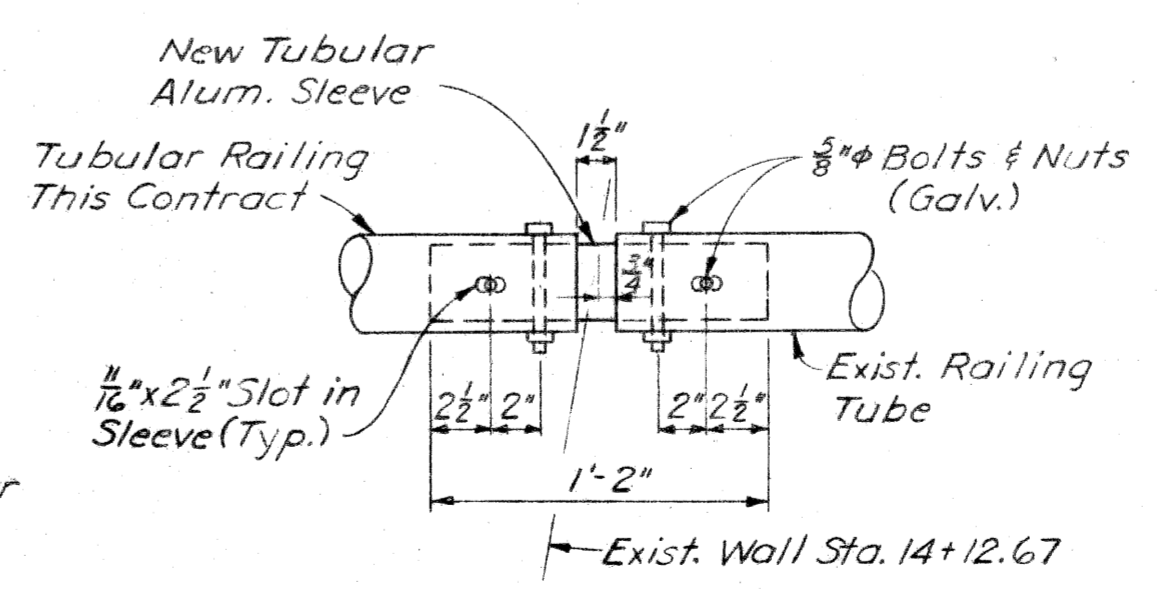
VERTICAL CONSTR. JOINT

EXPANSION JOINT

Non-Metallic Waterstop Type A is typical except where noted on Plans.



LADDER RUNG DETAIL



RAILING TUBE CONNECTION DETAIL

PLANS PREPARED BY
CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 BUREAU OF HIGHWAYS AND EXPRESSWAYS

APPROVED: *[Signature]*
 STRUCTURAL ENGINEER

JOB No. PW1002(49)

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

FISHER-CHRYSLER INTERCHANGE
 IN DETROIT

RETAINING WALL MISC. DETAILS

REVISIONS			
NO.	DESCRIPTION	DATE	BY

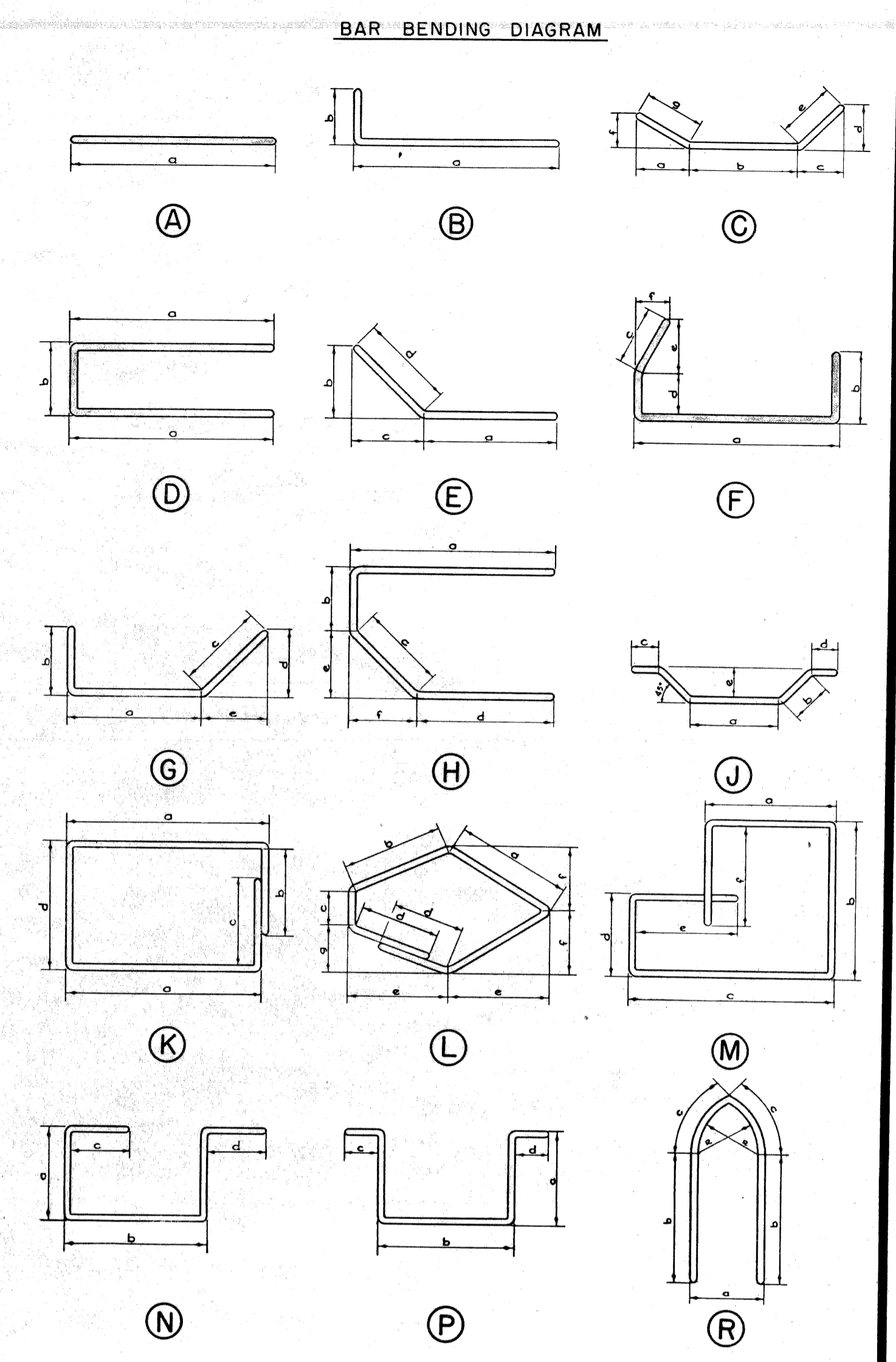
CITY OF DETROIT
 DRAWN BY: *R. Harris* 6-66
 TRACED BY: *R. Harris* 6-66
 CHECKED BY: *F.W.* 6-66
 SHEET 13 OF 14

WO1 of 82251Z

BAR	DIMENSIONS							SIZE	LENGTH	NO. REQ'D	TOTAL WT.
	a	b	c	d	e	f	g				
A101	9'-6"							#6	9'-6"	256	3653
A102	7'-3"							#6	7'-3"	86	936
A103	23'-6"							#6	23'-6"	106	3741
A104	24'-0"							#6	24'-0"	26	937
A105	15'-6"							#6	15'-6"	38	2,282
A106	7'-6"							#6	7'-6"	221	2,490
A107	23'-6"							#4	23'-6"	178	2,794
A108	25'-0"							#4	25'-0"	482	8,049
A109	22'-0"							#4	22'-0"	20	294
A110	20'-0"							#6	20'-0"	53	1,592
A111	8'-6"							#6	8'-6"	39	498
A112	16'-0"							#6	16'-0"	84	2,019
A113	17'-3"							#4	17'-3"	40	461
A114	25'-3"							#6	25'-3"	248	9,406
A115	10'-6"							#6	10'-6"	36	1,514
A116	8'-0"							#7	8'-0"	36	1,570
A117	17'-6"							#6	17'-6"	200	5,257
A118	9'-6"							#8	9'-6"	34	2,384
A119	25'-6"							#6	25'-6"	14	532
A120	13'-0"							#6	13'-0"	170	3,319
A121	5'-0"							#6	5'-0"	16	120
A122	12'-6"							#7	12'-6"	112	2,862
A123	7'-0"							#7	7'-0"	112	1,602
A124	20'-6"							#6	20'-6"	238	9,328
A125	14'-6"							#6	14'-6"	176	3,833
A126	22'-3"							#6	22'-3"	374	12,493
A127	8'-6"							#9	8'-6"	176	5,086
A128	13'-6"							#8	13'-6"	176	6,344
A130	19'-6"							#4	19'-6"	22	287
A131	10'-6"							#7	10'-6"	352	7,555
D101	2'-3"	10'						#4	5'-3"	496	1,739
F101	1'-6"	11'	2'-1 1/2"	4'-0"	1'-6"	1'-6"		#4	8'-9"	8	46

BAR	DIMENSIONS							SIZE	LENGTH	NO. REQ'D	TOTAL WT.
	a	b	c	d	e	f	g				
A1	3'-6"							#4	3'-6"	12	
A2	4'-0"							#4	4'-0"	10	
A3	1'-0"							#4	1'-0"	18	
A4	2'-0"							#4	2'-0"	18	
Note:- Manhole Re-Steel is incidental to Manholes.											

BAR	DIMENSIONS							SIZE	LENGTH	NO. REQ'D	TOTAL WT.
	a	b	c	d	e	f	g				



Note:-
 All right angle bends in Reinforcing Steel to be made about a pin of the minimum diameter allowed by the Standard Specifications.
 All bar numbers on this sheet to be prefixed WOI.
 Grand Total Steel Reinforcement 103,033 #

PLANS PREPARED BY
 CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 BUREAU OF HIGHWAYS AND EXPRESSWAYS

APPROVED: *[Signature]* STRUCTURAL ENGINEER
 JOB No. PW 1002(49)

MICHIGAN STATE HIGHWAY DEPARTMENT
 FISHER-CHRYSLER INTERCHANGE
 IN DETROIT

WALL STEEL REINFORCEMENT DETAILS

REVISIONS

NO.	DESCRIPTION	DATE	BY

SQUAD BOSS: *Worff*
 DRAWN BY: *J.E.W.* 6-66
 TRACED BY: *J.E.W.* 6-66
 CHECKED BY: *J.E.S.* 6-66
 SHEET 17 OF 17

WOI of 8251Z