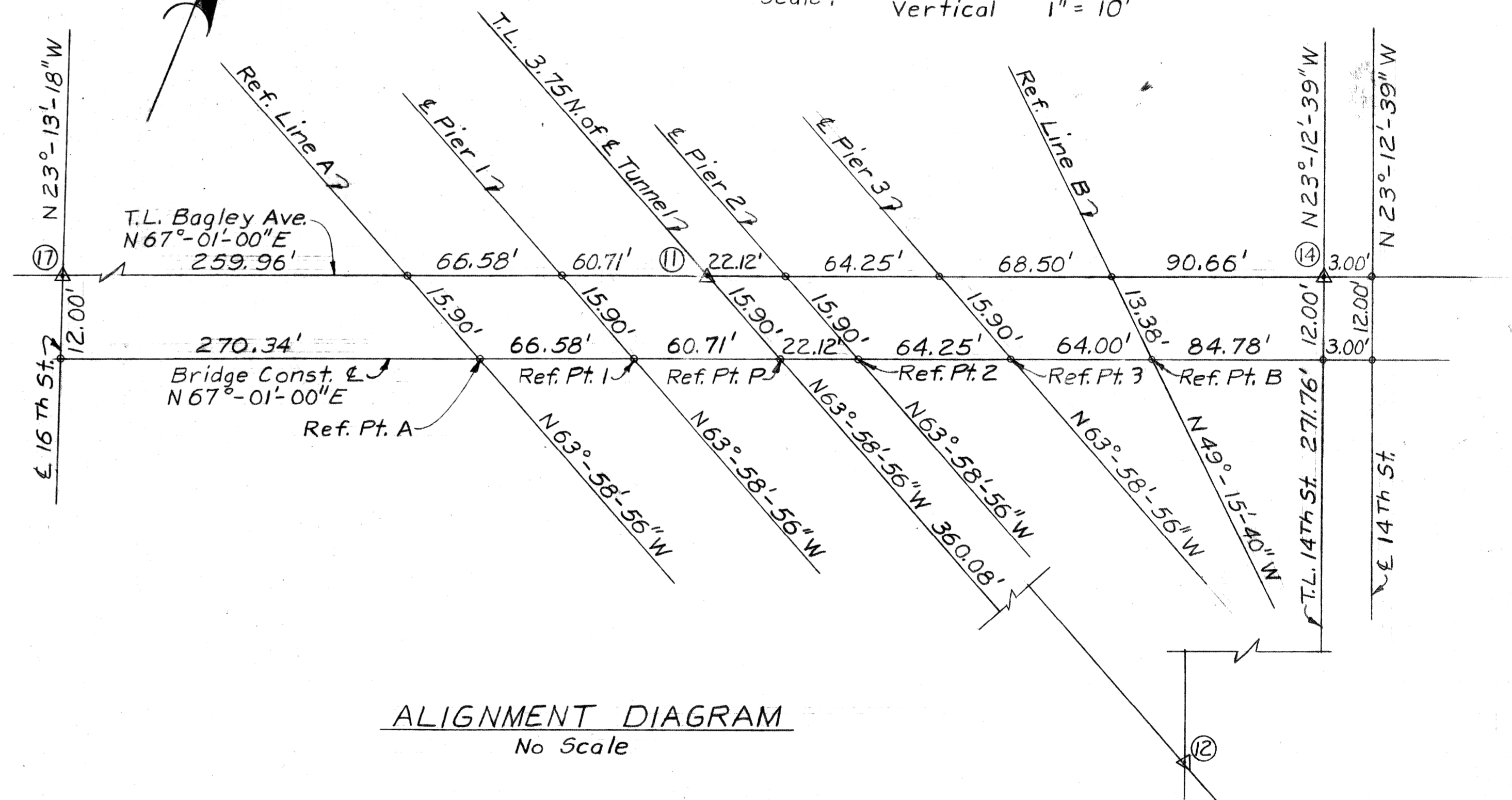
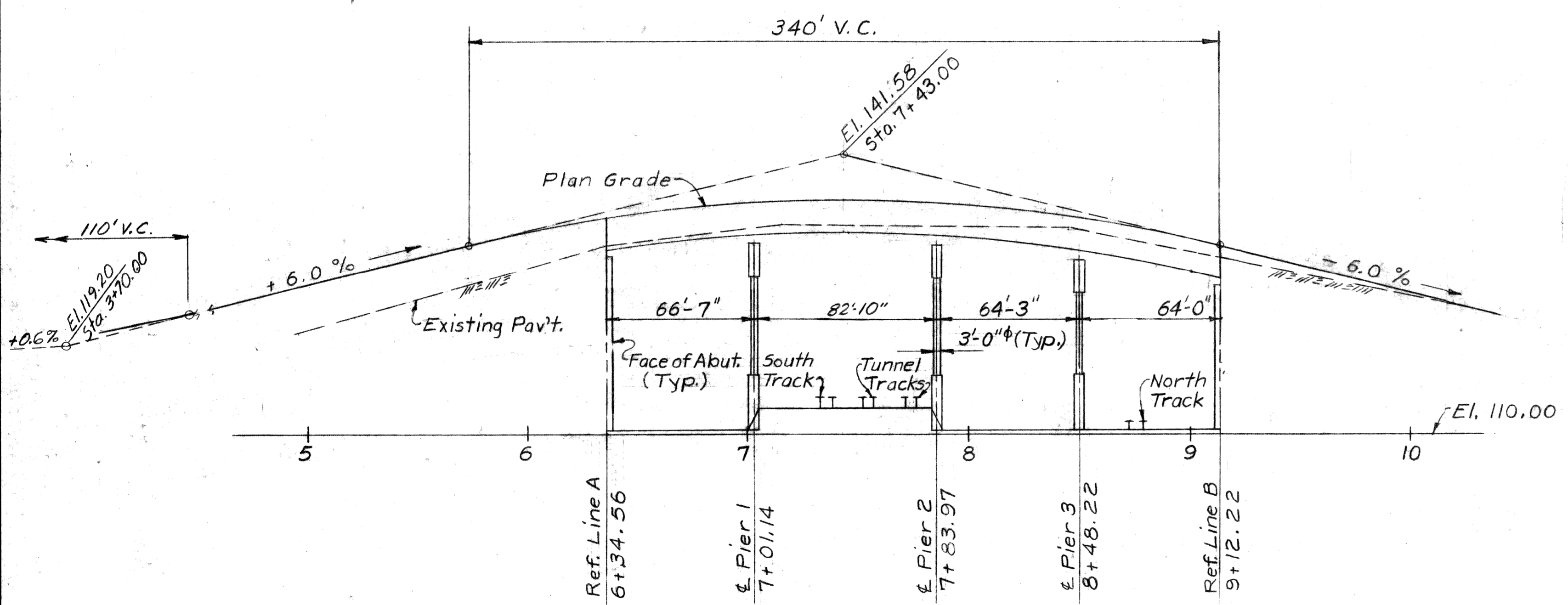


Note: See Sheet #4 for actual underclearance.



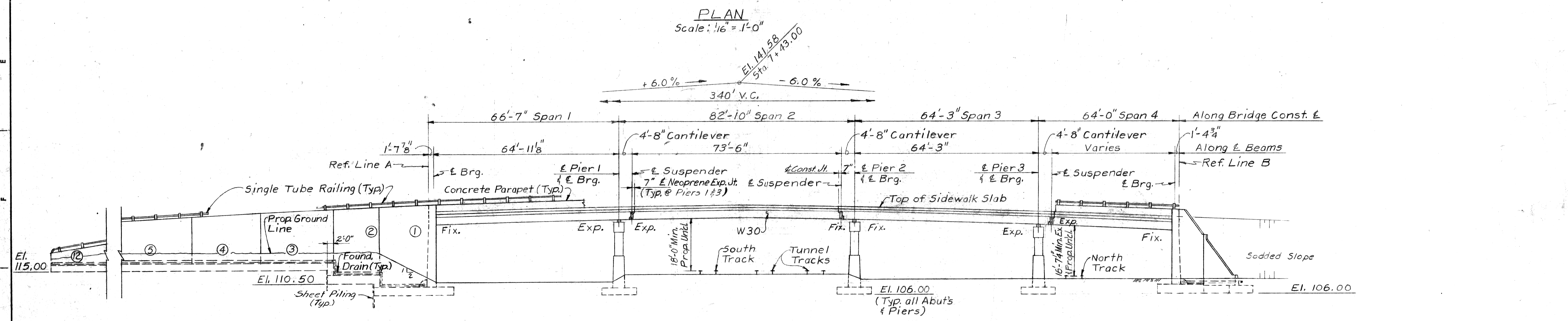
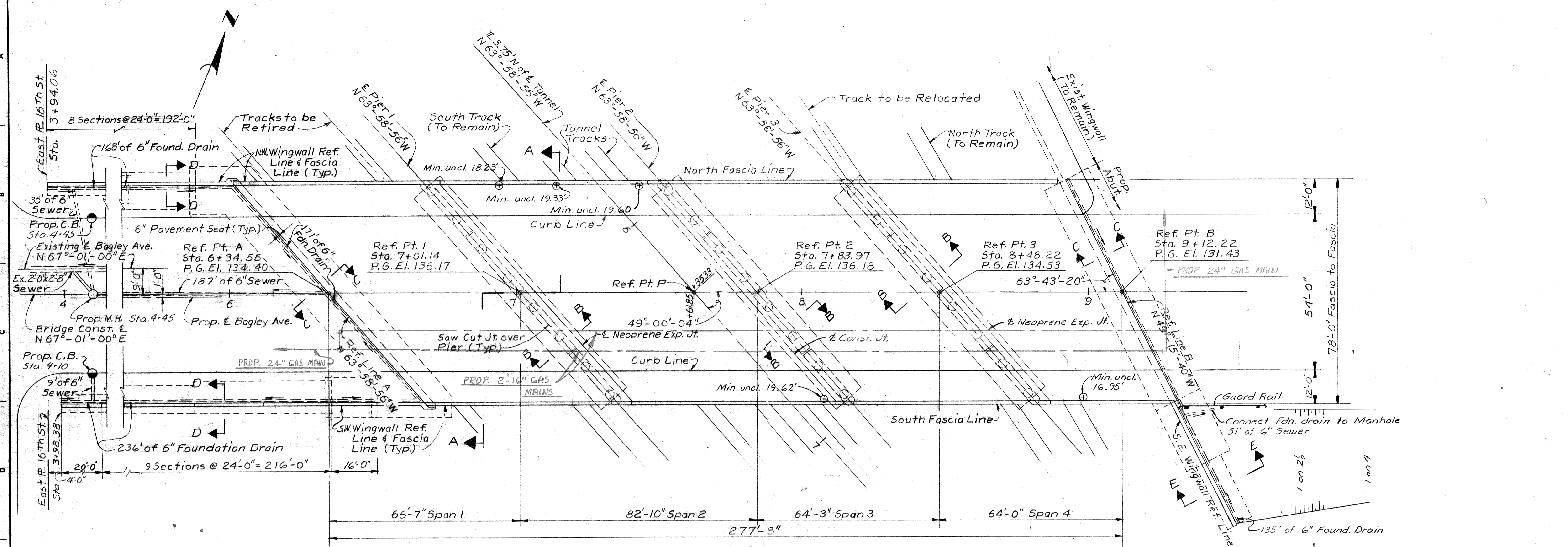
CITY OF DETROIT BENCH MARKS

Number	Location	Elevation
18-255	4' S. of N. R. Howard St. & 4' W. of E. R. 18th St.	112.323
18-255-A	4' S. of N. R. Howard St. & 4' W. of E. R. 16th St.	111.299
19-254	5' N. of S. R. Newark & 5' W. of E. R. 18th St.	103.347
19-254-A	5' N. of S. R. Newark & 7' E. of W. R. 16th St.	111.882

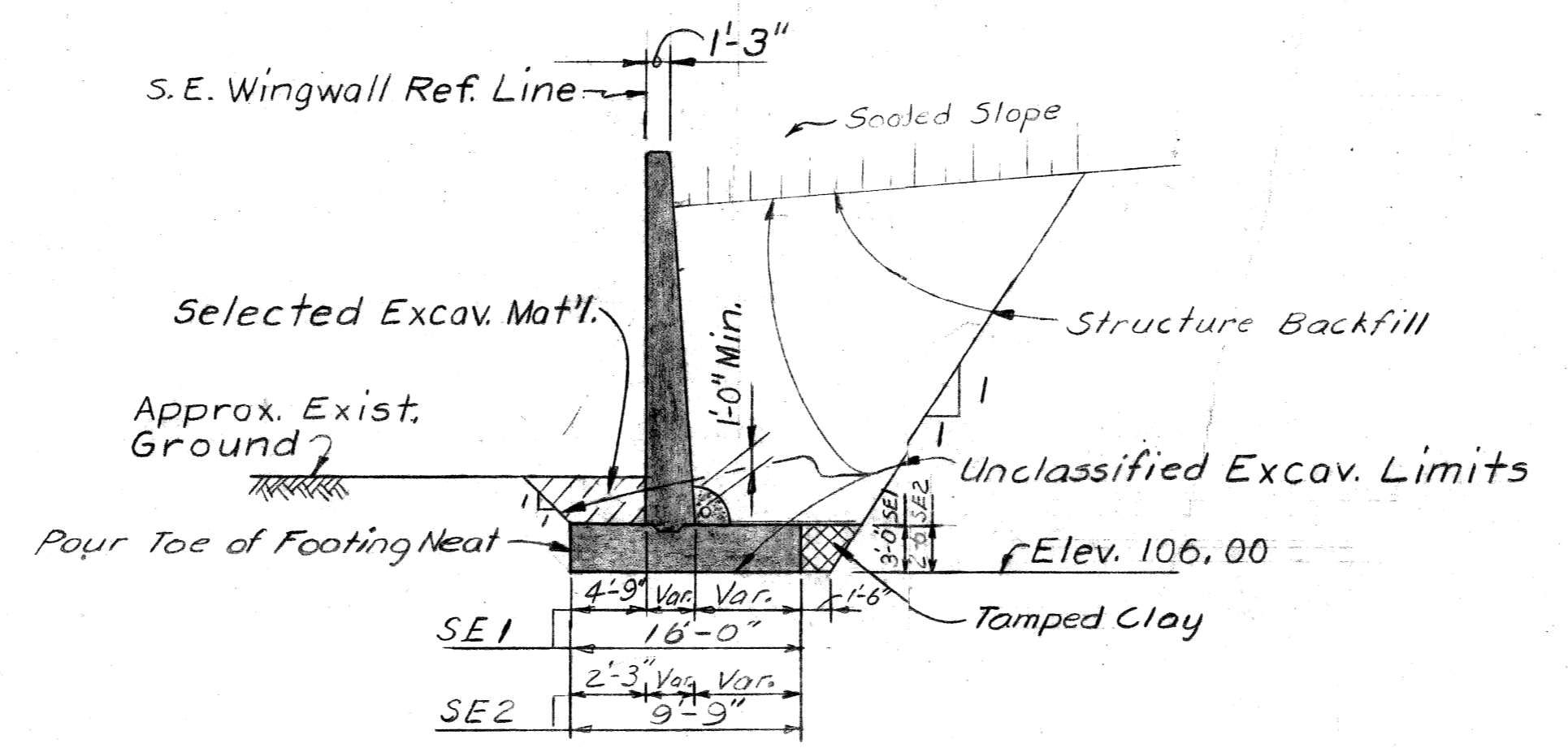
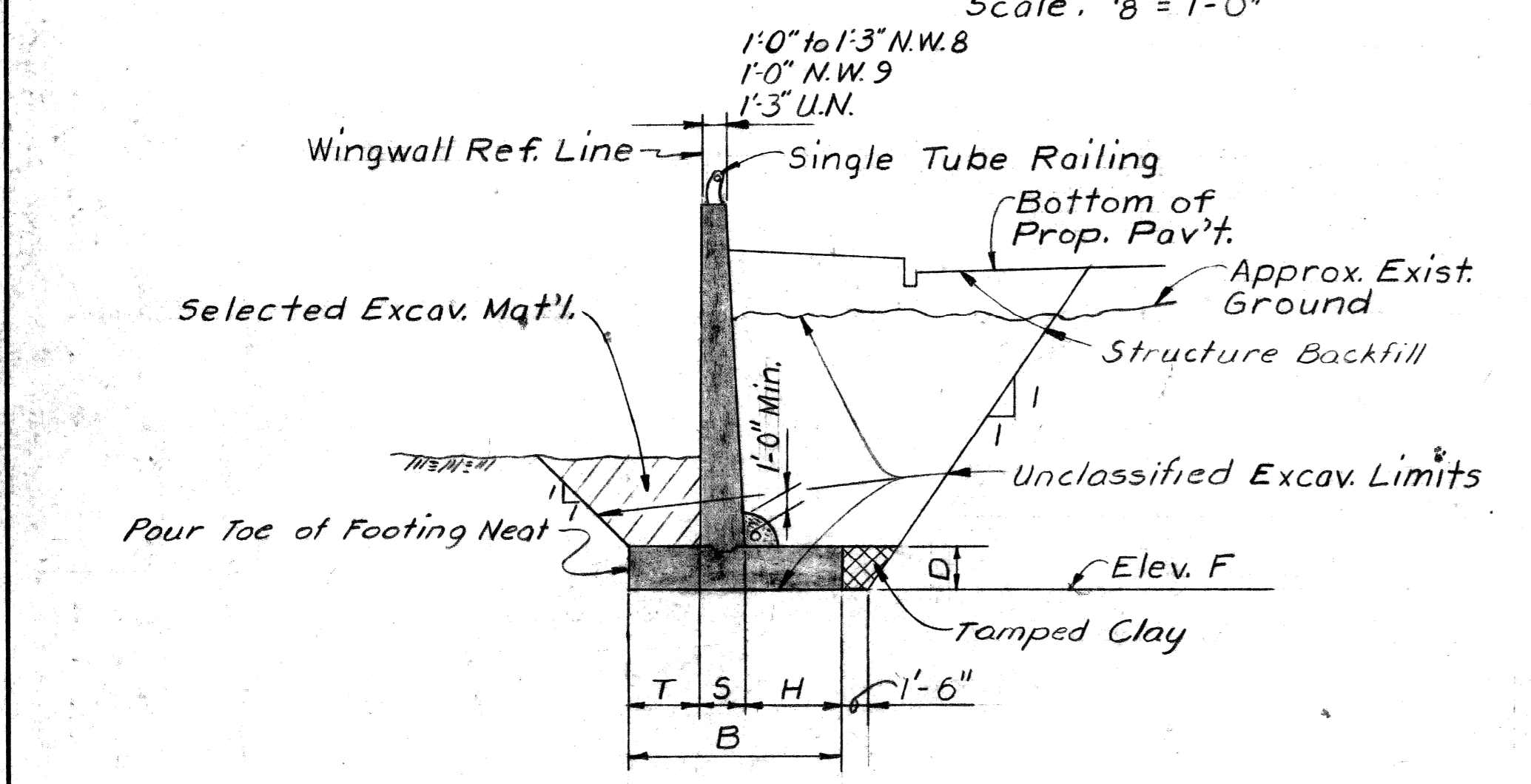
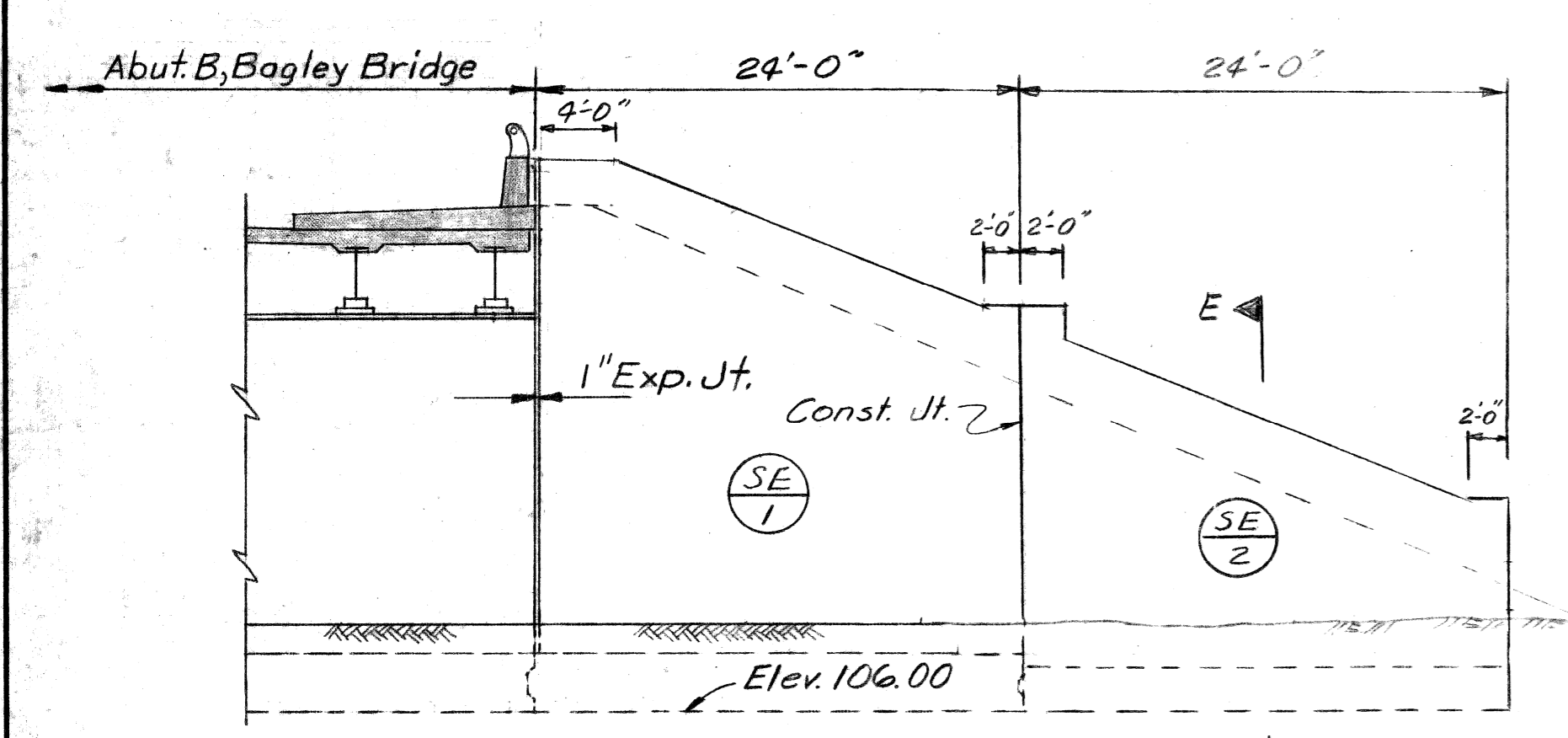
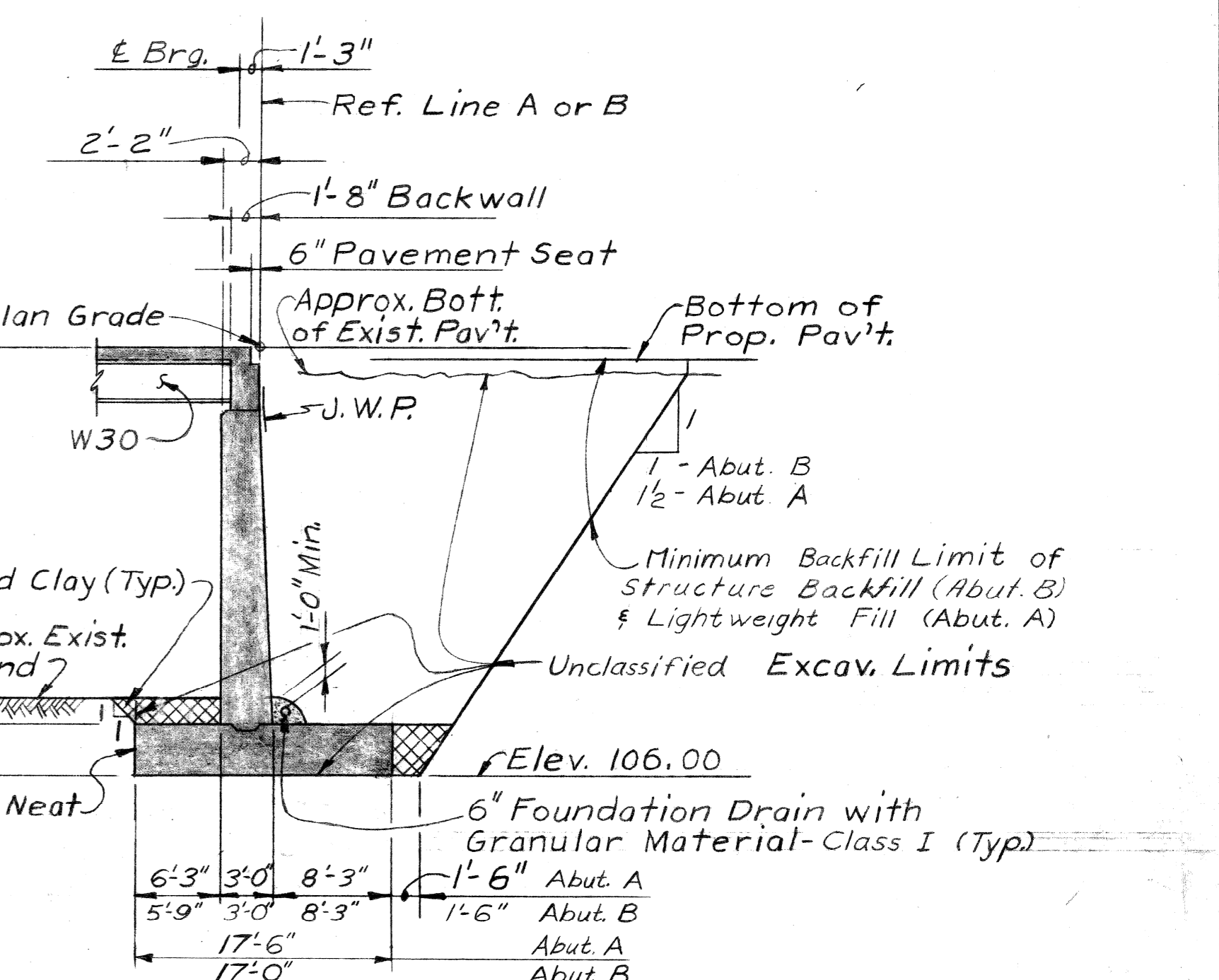
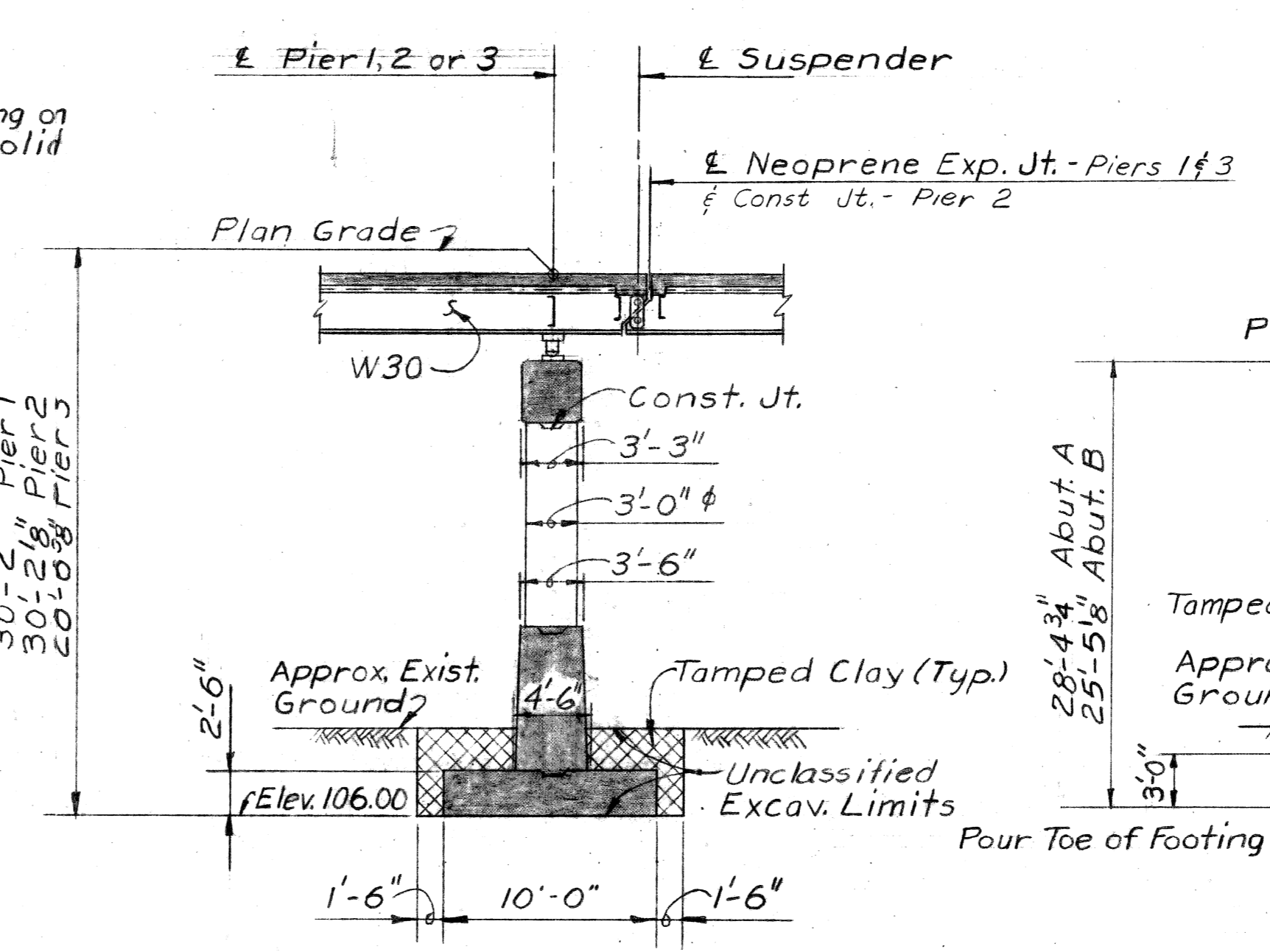
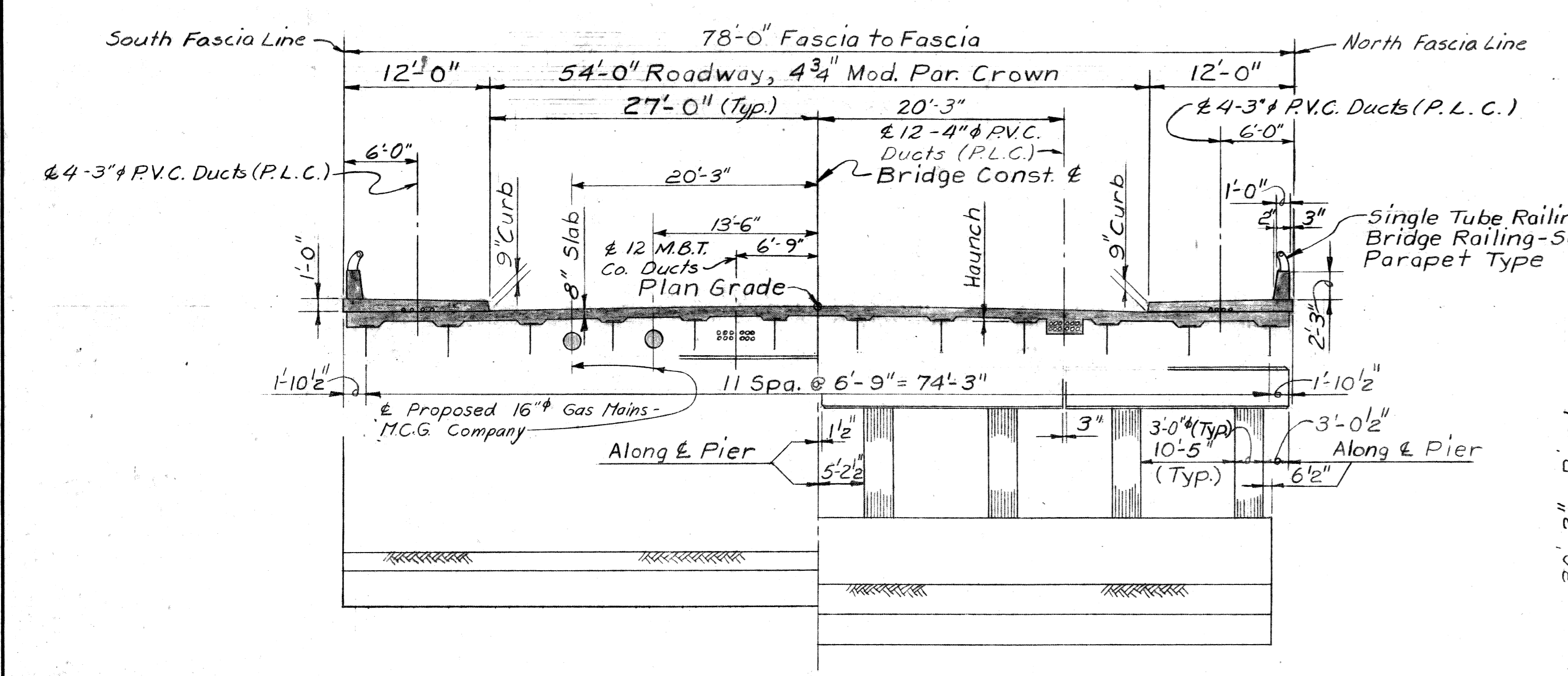
NOTES:

- 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.
- T.L. Denotes survey traverse line.

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">COORD.</td> <td style="width: 15%;">DESCRIPTION</td> <td style="width: 5%;">DWN.</td> <td style="width: 5%;">CKD.</td> <td style="width: 5%;">APVD.</td> <td style="width: 5%;">DATE</td> </tr> <tr> <td colspan="6">REVISIONS LOCATED BY COORDINATES ON SHEET</td> </tr> </table>	COORD.	DESCRIPTION	DWN.	CKD.	APVD.	DATE	REVISIONS LOCATED BY COORDINATES ON SHEET						<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">DESIGNED BY</td> <td style="width: 10%;">McGuire</td> <td style="width: 10%;">APPROVED:</td> <td style="width: 10%;"></td> </tr> <tr> <td>DRAWN BY</td> <td>J. J.</td> <td></td> <td></td> </tr> <tr> <td>TRACED BY</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CHECKED BY</td> <td>B. COMLY, JDB</td> <td></td> <td></td> </tr> </table>	DESIGNED BY	McGuire	APPROVED:		DRAWN BY	J. J.			TRACED BY				CHECKED BY	B. COMLY, JDB			<p><b>CITY OF DETROIT</b>          DEPARTMENT OF PUBLIC WORKS          CITY ENGINEERS OFFICE          FOR  <b>COMMUNITY DEVELOPMENT COMMISSION</b></p>	<p><b>WEST SIDE INDUSTRIAL REHABILITATION PROJECT NO 2</b>  <b>BAGLEY AVE. BRIDGE CROSSING THE P.C.R.R.</b></p> <p><b>GENERAL DRAWING</b></p>	<p>SHEET 3 OF 35 SHEETS</p> <p>JOB No. A01676C</p> <p>DRWG No. /</p> <p>DATE 9-70</p>
COORD.	DESCRIPTION	DWN.	CKD.	APVD.	DATE																											
REVISIONS LOCATED BY COORDINATES ON SHEET																																
DESIGNED BY	McGuire	APPROVED:																														
DRAWN BY	J. J.																															
TRACED BY																																
CHECKED BY	B. COMLY, JDB																															



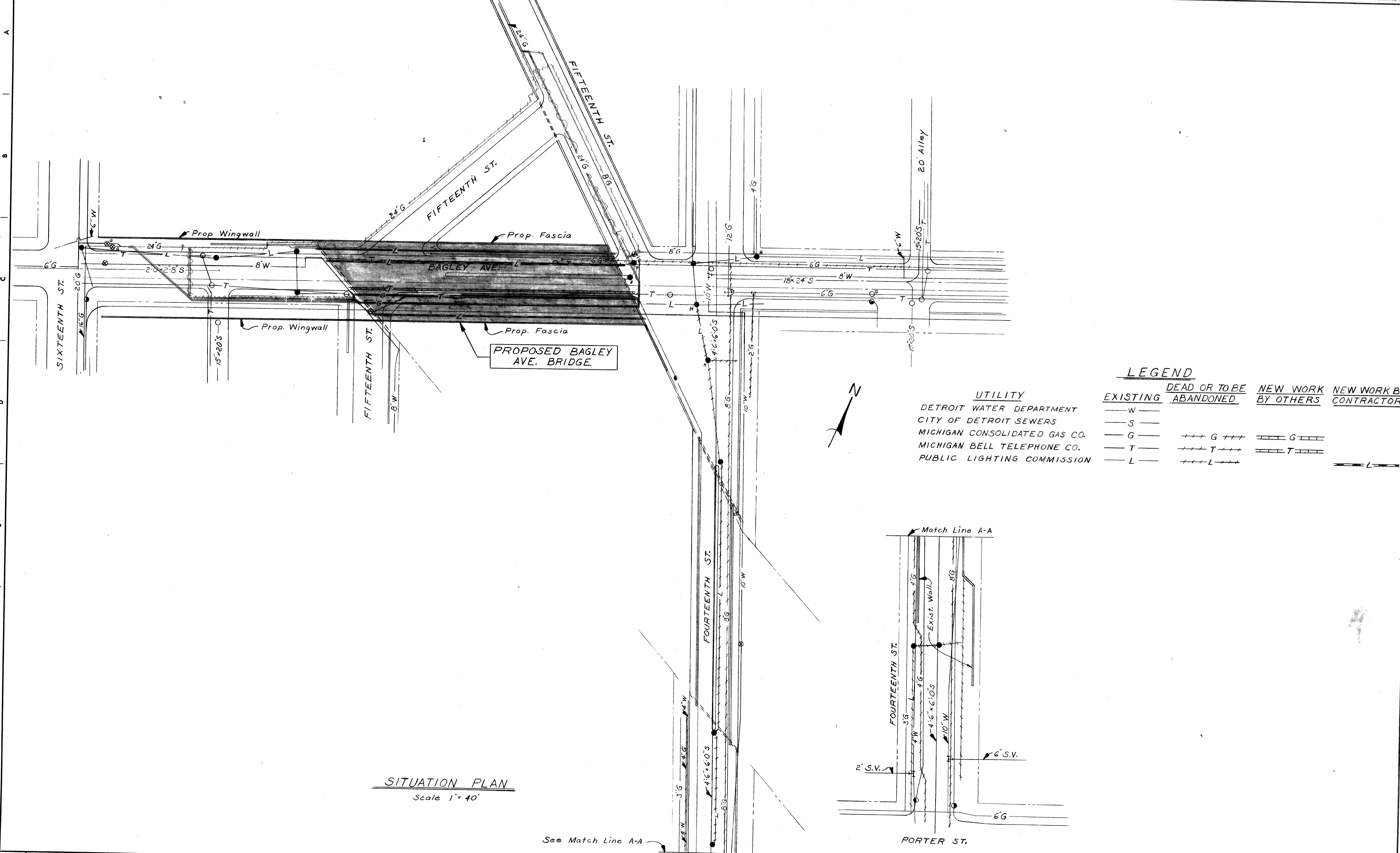
DESIGNED BY: <b>Mc Guire</b> DRAWN BY: <b>J. J.</b> TRACED BY: CHECKED BY: <b>B. COMLY</b>		APPROVED:  CITY ENGINEER	<b>CITY OF DETROIT</b> DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR <b>COMMUNITY DEVELOPMENT COMMISSION</b>	<b>WEST SIDE INDUSTRIAL REHABILITATION PROJECT NO 2</b> <b>BAGLEY AVE. BRIDGE CROSSING THE P.C.R.R.</b> <b>GENERAL PLAN OF STRUCTURE</b>	SHEET <b>4</b> OF <b>35</b> SHEETS JOB No. <b>A01676C</b> DRWG No. DATE <b>9-70</b>
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Wingwall	Section	Wingwall Dimensions					Elev. F
		T	S <sub>AVE</sub>	H <sub>AVE</sub>	B	D	
North-West	1	5'-3"	3'-0"	8'-3"	16'-6"	3'-0"	106.0
	2	3'-6"	3'-0"	6'-6"	13'-0"	3'-0"	110.5
	3	2'-3"	2'-6"	5'-0"	9'-9"	2'-6"	115.0
	4	2'-0"	2'-4"	3'-8"	8'-0"	2'-6"	115.0
	5	2'-0"	2'-3"	3'-9"	8'-0"	2'-6"	115.0
	6	1'-6"	2'-2"	2'-4"	6'-0"	2'-0"	115.0
	7	1'-6"	2'-1"	2'-5"	6'-0"	2'-0"	115.0
	8	1'-6"	1'-6"	3'-0"	6'-0"	2'-0"	115.0
	9	4'-6"	1'-0"	-	5'-6"	2'-0"	115.0
South-West	1	4'-3"	3'-0"	-	-	3'-0"	106.0
	2	4'-3"	3'-0"	7'-9"	14'-0"	3'-0"	110.5
	3	2'-6"	2'-6"	6'-3"	11'-3"	2'-6"	115.0
	4	2'-6"	2'-5"	6'-4"	11'-3"	2'-6"	115.0
	5	2'-3"	2'-4"	5'-2"	9'-9"	2'-6"	115.0
	6	2'-3"	2'-4"	5'-2"	9'-9"	2'-6"	115.0
	7	2'-0"	2'-3"	3'-9"	8'-0"	2'-6"	115.0
	8	2'-0"	2'-3"	3'-9"	8'-0"	2'-6"	115.0
	9	1'-6"	2'-2"	2'-4"	6'-0"	2'-0"	115.0
	10	1'-6"	2'-1"	2'-5"	6'-0"	2'-0"	115.0
	11	1'-6"	2'-1"	2'-5"	6'-0"	2'-0"	115.0
	12	1'-6"	2'-0"	2'-6"	6'-0"	2'-0"	115.0

**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.  
 P.G. denotes Plan Grade.  
 J.W.P. denotes Joint Waterproofing.

<table border="1"> <tr><td>DESIGNED BY</td><td>Mc Guire</td></tr> <tr><td>DRAWN BY</td><td>J. J.</td></tr> <tr><td>TRACED BY</td><td></td></tr> <tr><td>CHECKED BY</td><td>B. COMLY</td></tr> </table>	DESIGNED BY	Mc Guire	DRAWN BY	J. J.	TRACED BY		CHECKED BY	B. COMLY	<table border="1"> <tr><td>APPROVED:</td><td></td></tr> <tr><td>CITY ENGINEER</td><td></td></tr> </table>	APPROVED:		CITY ENGINEER		<p align="center"><b>CITY OF DETROIT</b>          DEPARTMENT OF PUBLIC WORKS          CITY ENGINEERS OFFICE          FOR  <b>COMMUNITY DEVELOPMENT COMMISSION</b></p>	<p align="center"><b>WEST SIDE INDUSTRIAL REHABILITATION PROJECT NO 2</b>  <b>BAGLEY AVE. BRIDGE CROSSING THE P.C.R.R.</b></p>	<p align="center"><b>GENERAL PLAN OF STRUCTURE</b></p>	<p>SHEET 5 OF 35 SHEETS</p> <p>CONTRACT NO. JOB No. A01676C</p> <p>DRWG No.</p> <p>DATE 9-70</p>
DESIGNED BY	Mc Guire																
DRAWN BY	J. J.																
TRACED BY																	
CHECKED BY	B. COMLY																
APPROVED:																	
CITY ENGINEER																	

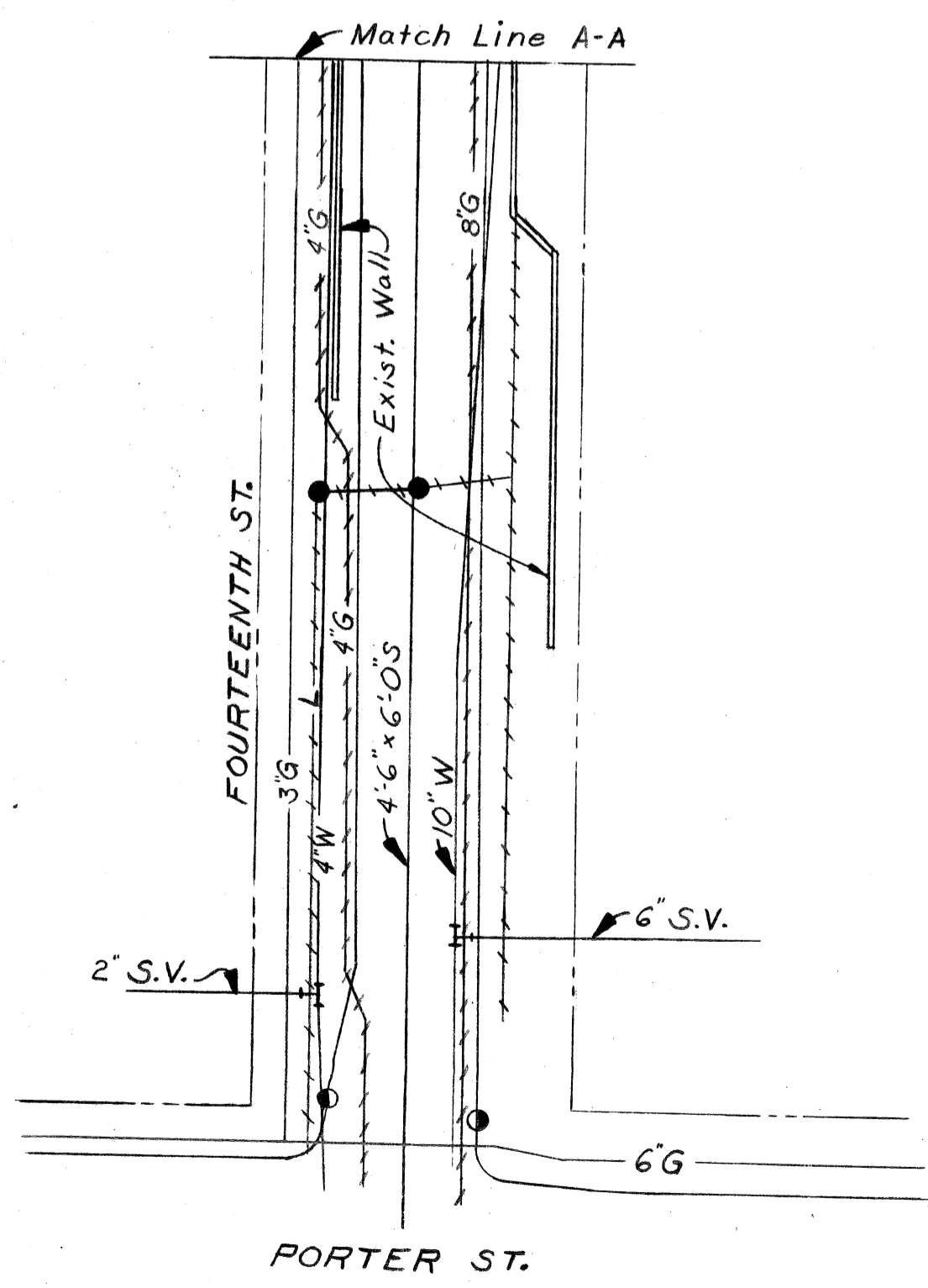


**LEGEND**

EXISTING	DEAD OR TO BE ABANDONED	NEW WORK BY OTHERS	NEW WORK BY CONTRACTOR
— W —	--- G ---	--- T ---	--- L ---
— S —	+++ G +++	+++ T +++	+++ L +++
— G —			
— T —			
— 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'

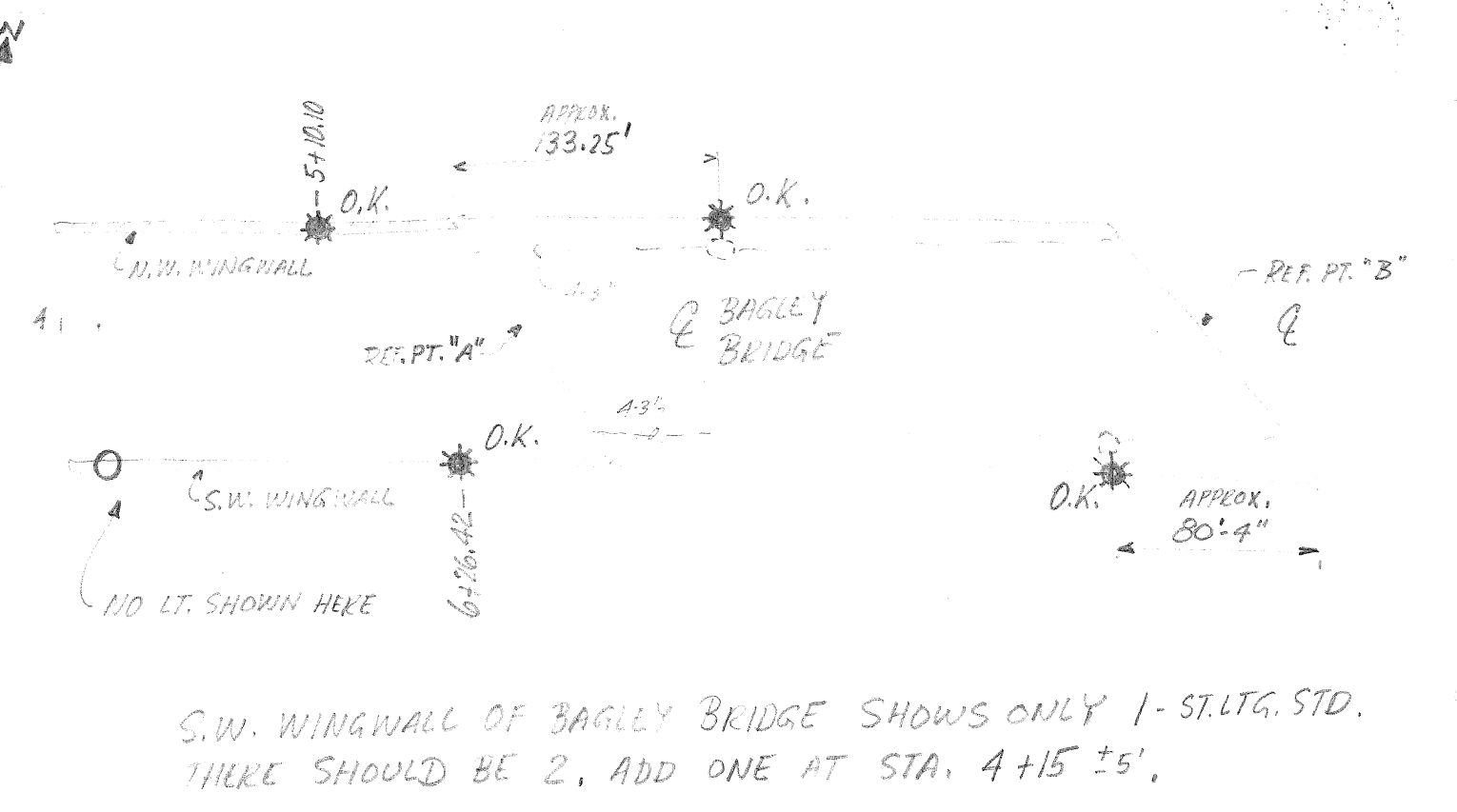
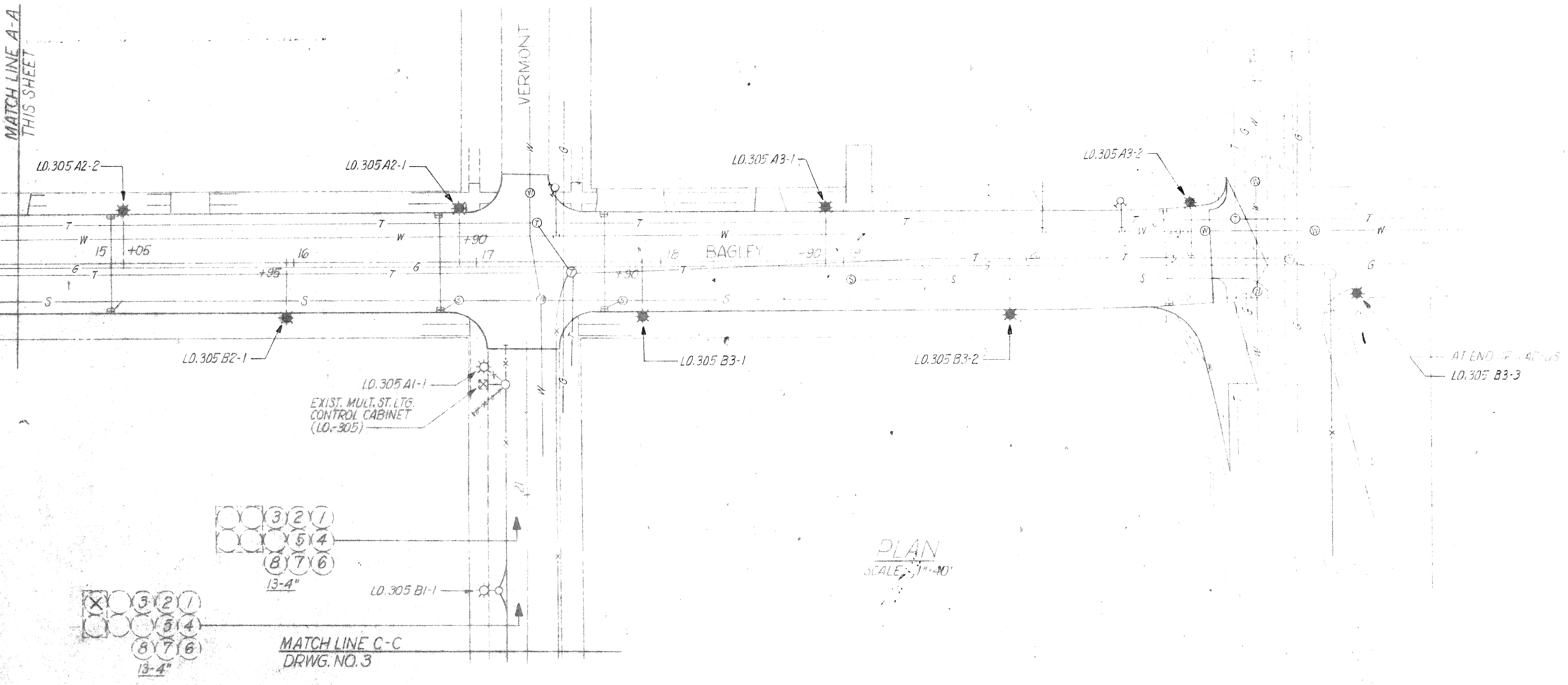
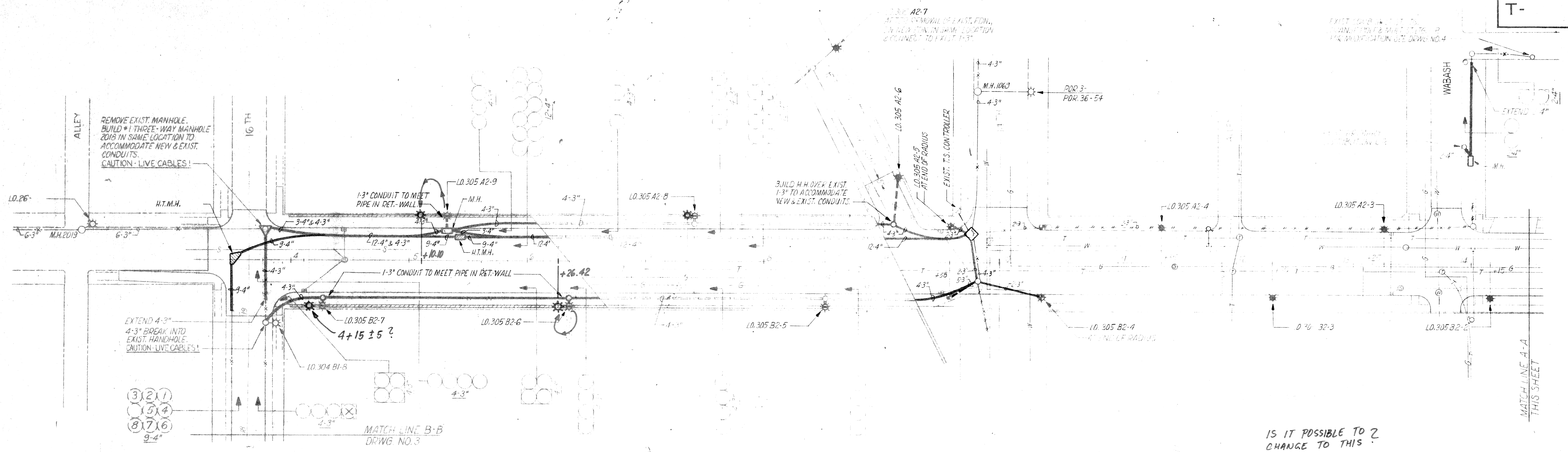


DESIGNED BY <i>McGuire</i>	APPROVED:
DRAWN BY	
TRACED BY <i>R. Rosik</i>	
CHECKED BY <i>McGuire</i>	

**CITY OF DETROIT**  
 DEPARTMENT OF PUBLIC WORKS  
 CITY ENGINEERS OFFICE  
 FOR  
**COMMUNITY DEVELOPMENT COMMISSION**

**WEST SIDE INDUSTRIAL REHABILITATION PROJECT No.2**  
**BAGLEY AVE. BRIDGE CROSSING THE P.C.R.R.**  
**EXISTING UTILITIES AND PROPOSED ALTERATIONS**

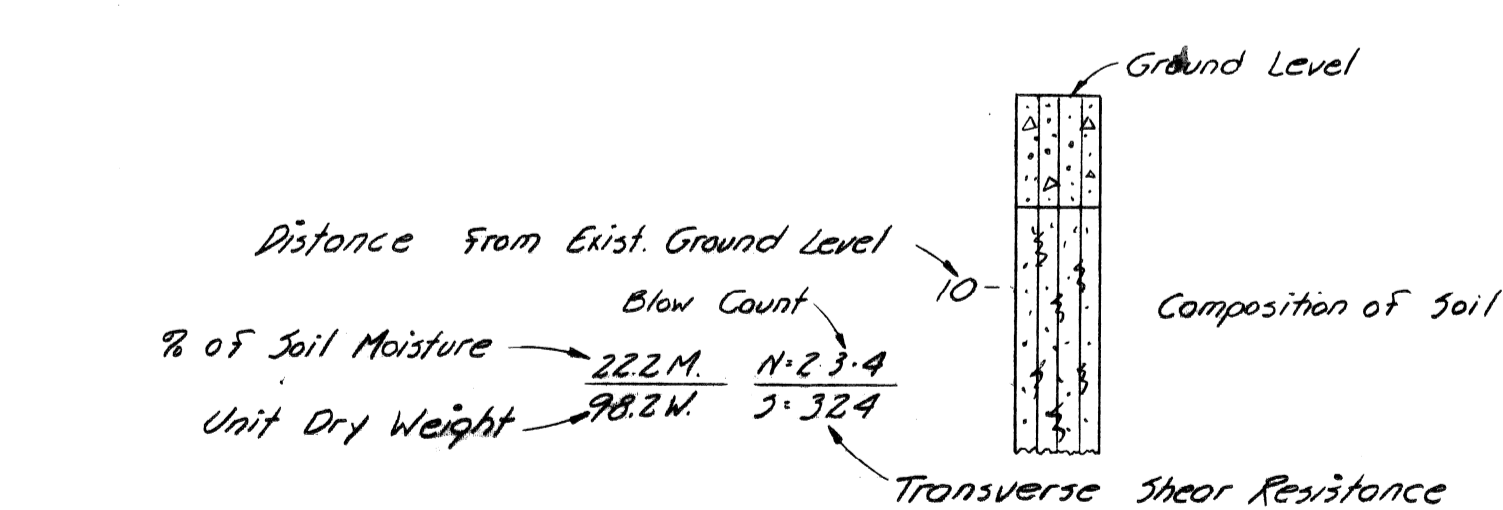
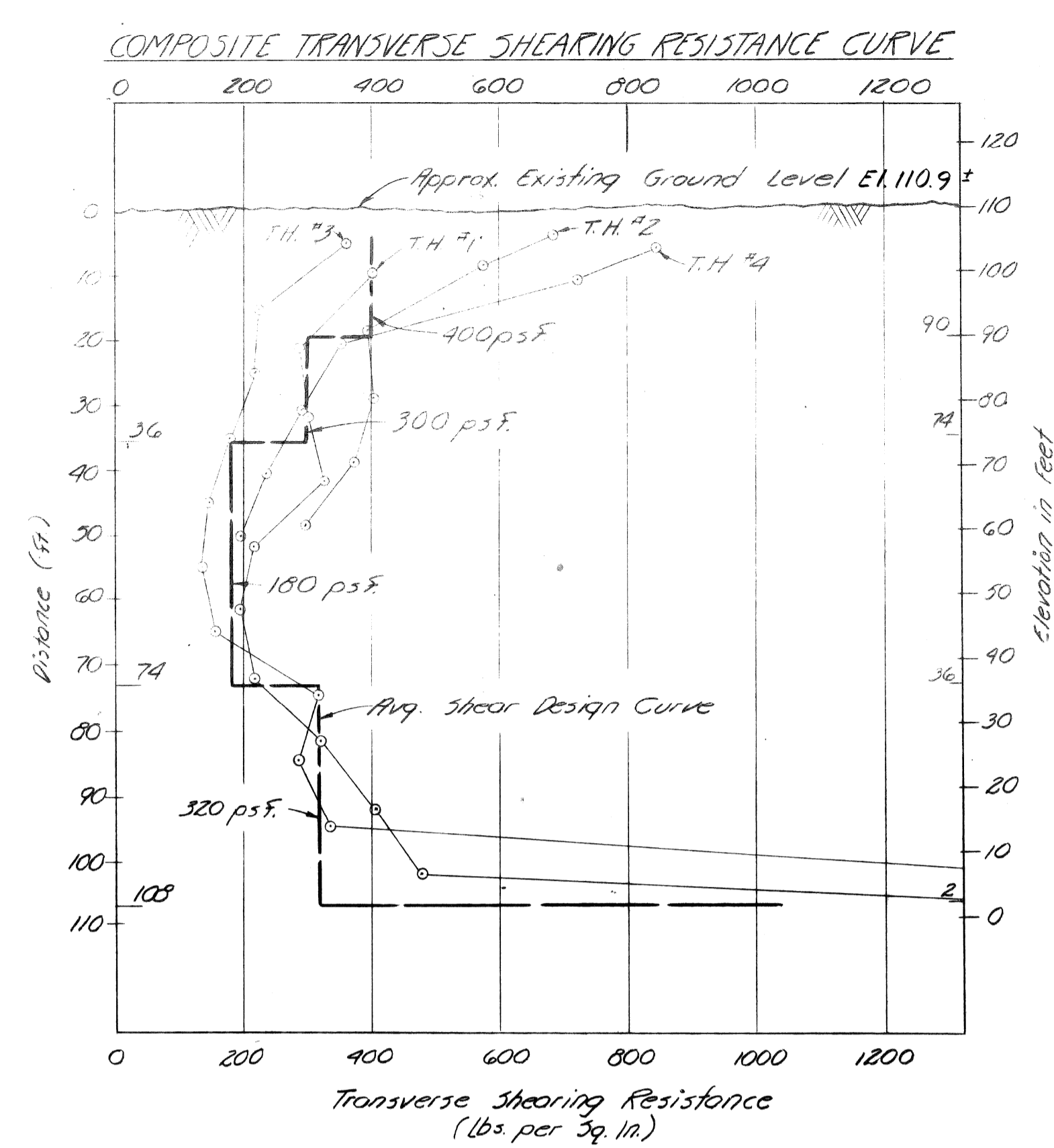
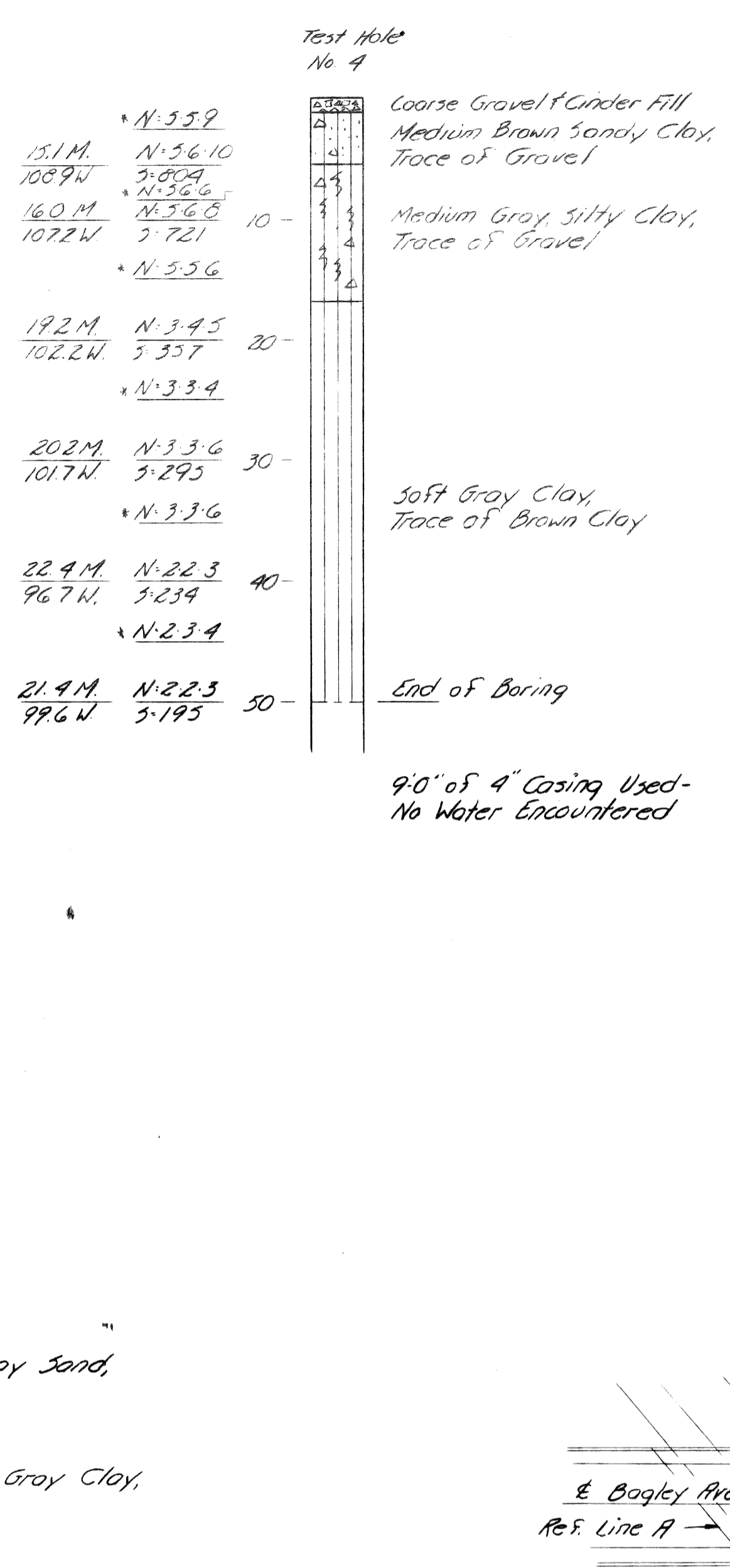
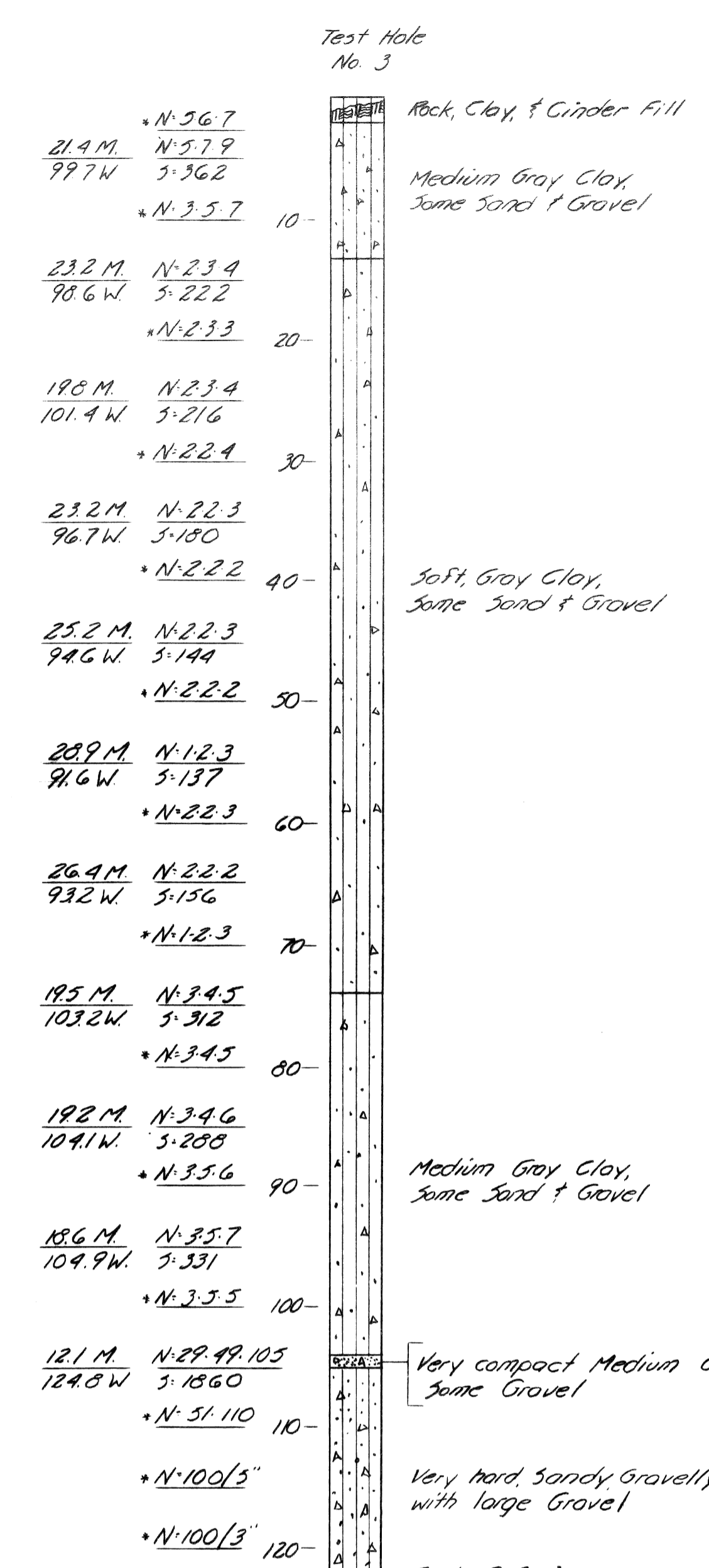
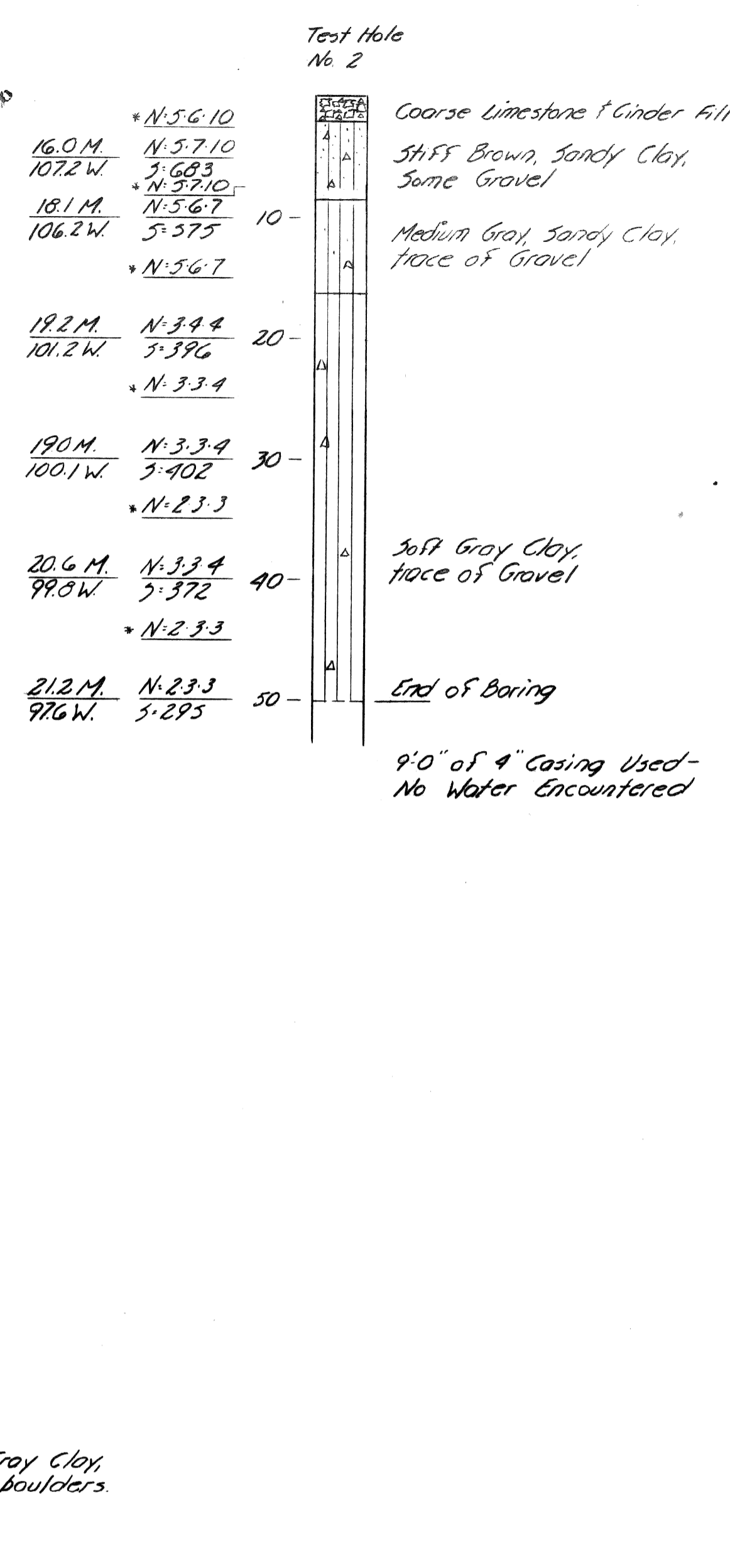
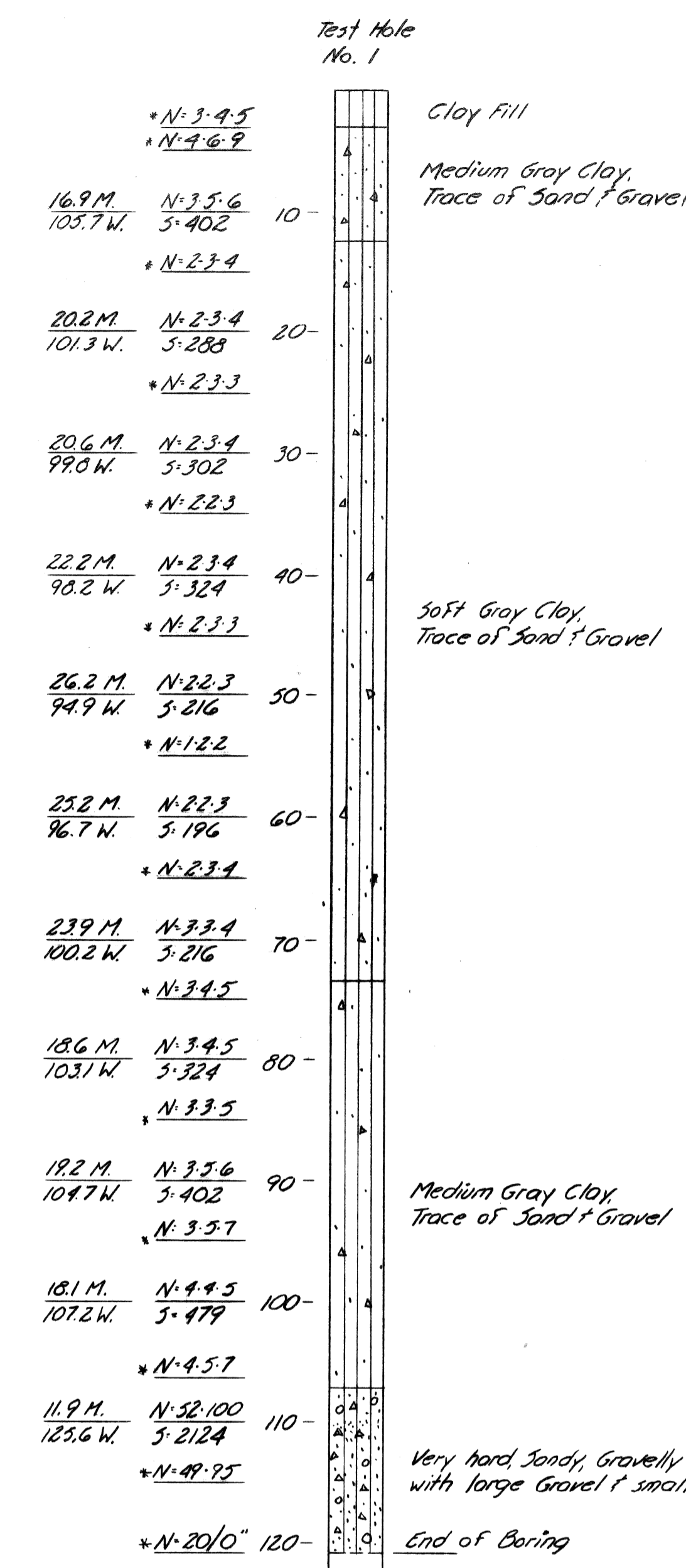
SHEET <u>6</u> OF <u>35</u> SHEETS
CONTRACT No. <u>AO1676C</u>
DRWG No.
DATE <u>08-71</u>



ADD NOTE TO KEEP P.L.C. DUCT RUN IN 14TH STREET AVAILABLE UNTIL BAGLEY BRIDGE IS COMPLETED & P.L.C. LINES ARE TRANSFERRED.

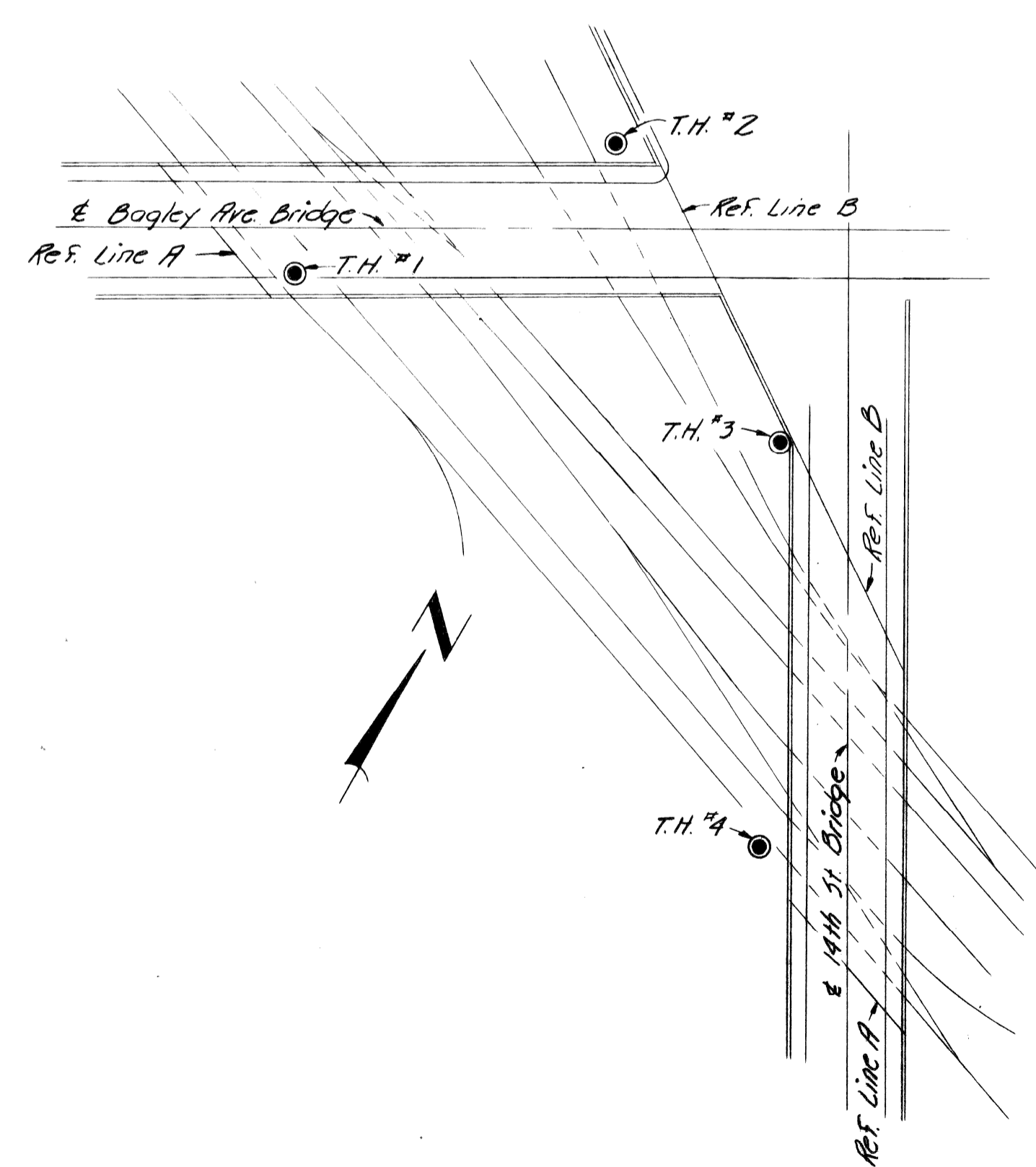
OFFICE COPY

DATE		DESCRIPTION		CHKD. BY	WEST SIDE INDUSTRIAL REHABILITATION PROJECT NO.2 BAGLEY AVE. 16TH STREET TO 12TH STREET			SHEET <u>    </u> OF <u>    </u> SHEETS		CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR COMMUNITY DEVELOPMENT COMMISSION			DRAWN BY CEA		PLAN PREPARED BY CONSULTING ENGINEERING ASSOCIATES INC. ENGINEERING CONSULTANTS		DRAWN BY		FILE NO. 51-0492	
					GENERAL PLAN			CONTRACT NO.		APPROVED BY			CHECKED BY		16580 WYOMING DETROIT, MICH. 48221		CHECKED BY		SHEET NO. 2 OF	
								ASSIGNMENT NO.		DATE			DATE		DRWG NO.		APPROVED BY		DATE	
								DATE		1-31-74			1-31-74		2 OF		CEA P.L.C. 9-D		1-31-74	



**NOTES:**

- N: Indicates the number of blows required to drive the 2" Sampler G" (or as noted) using a 140 lb hammer falling 30".
- S: Indicates Transverse Shearing Resistance in Lbs. per Sq. Ft., as determined by M.R.S.H. Standard Test.
- M: Indicates Natural Moisture content of soil in percent.
- W: Indicates Unit Dry Weight of Soil, expressed in Lbs. per Cubic Foot.
- \*: Indicates no sample.
- All elevations are based on City of Detroit Datum.
- Approx. existing ground elevation 110.9 ±



DESIGNED BY	McGuire	APPROVED:	
DRAWN BY	Piantek, 4/71		
TRACED BY			
CHECKED BY	McGuire 5/71	CITY ENGINEER	

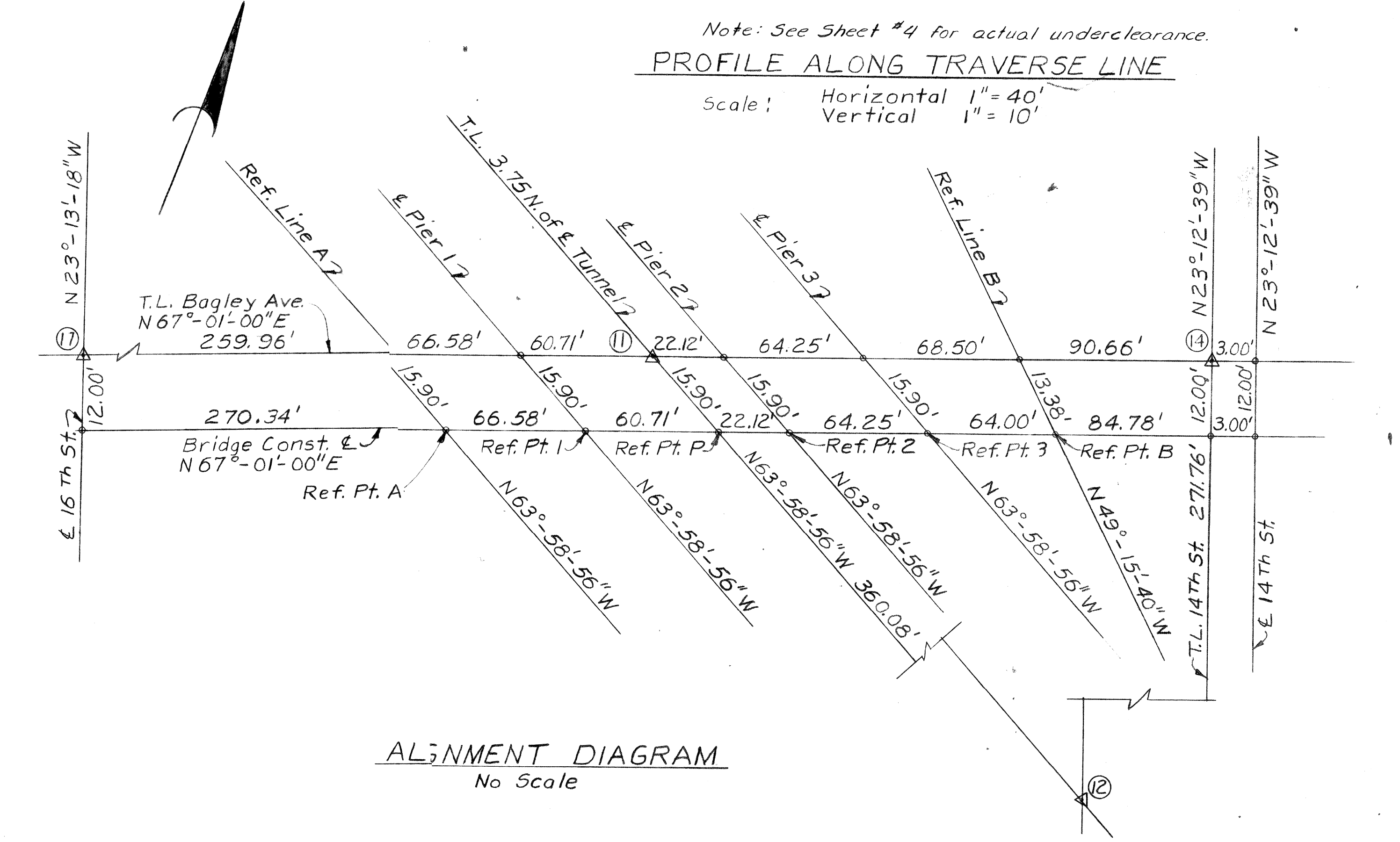
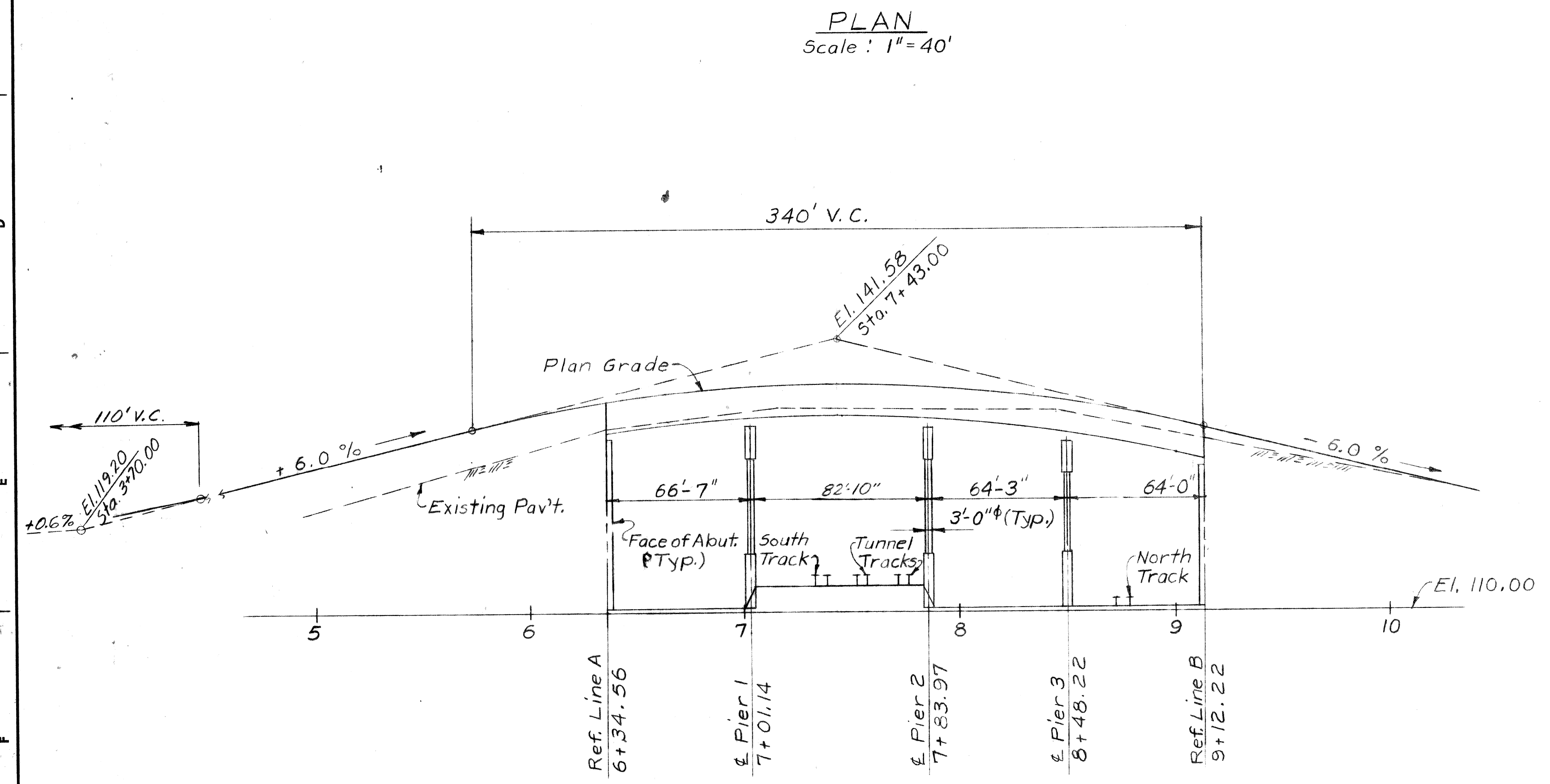
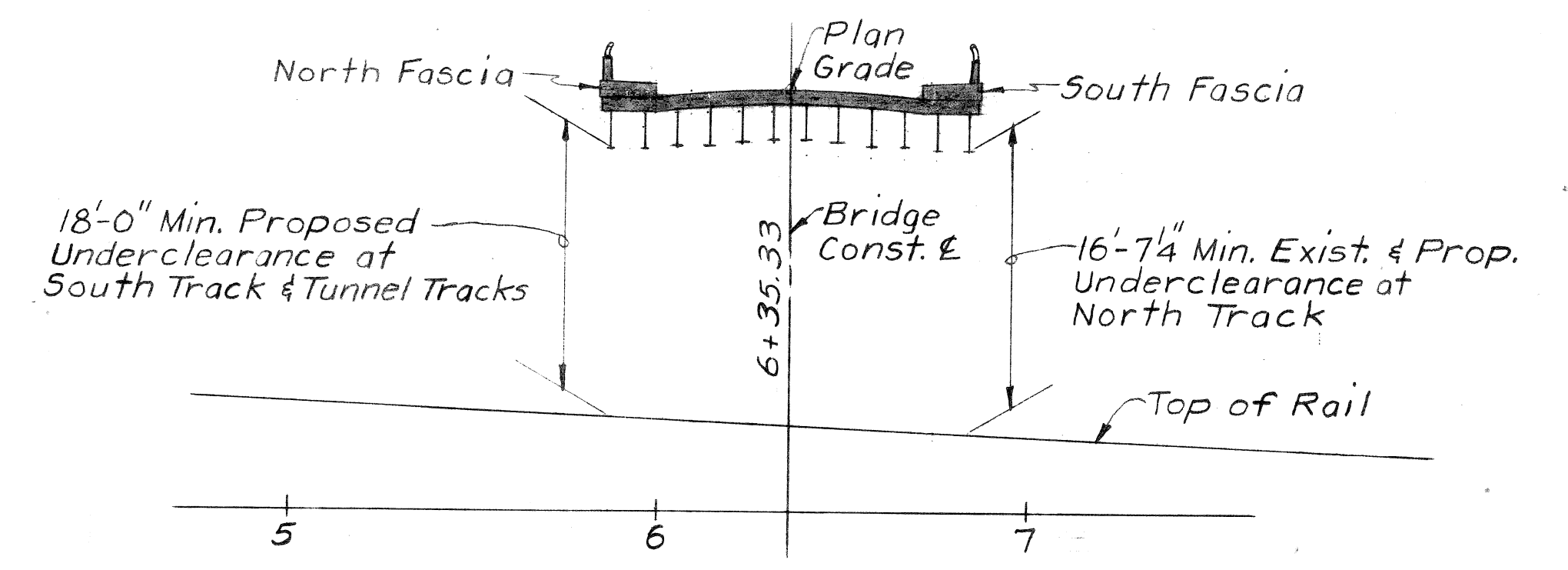
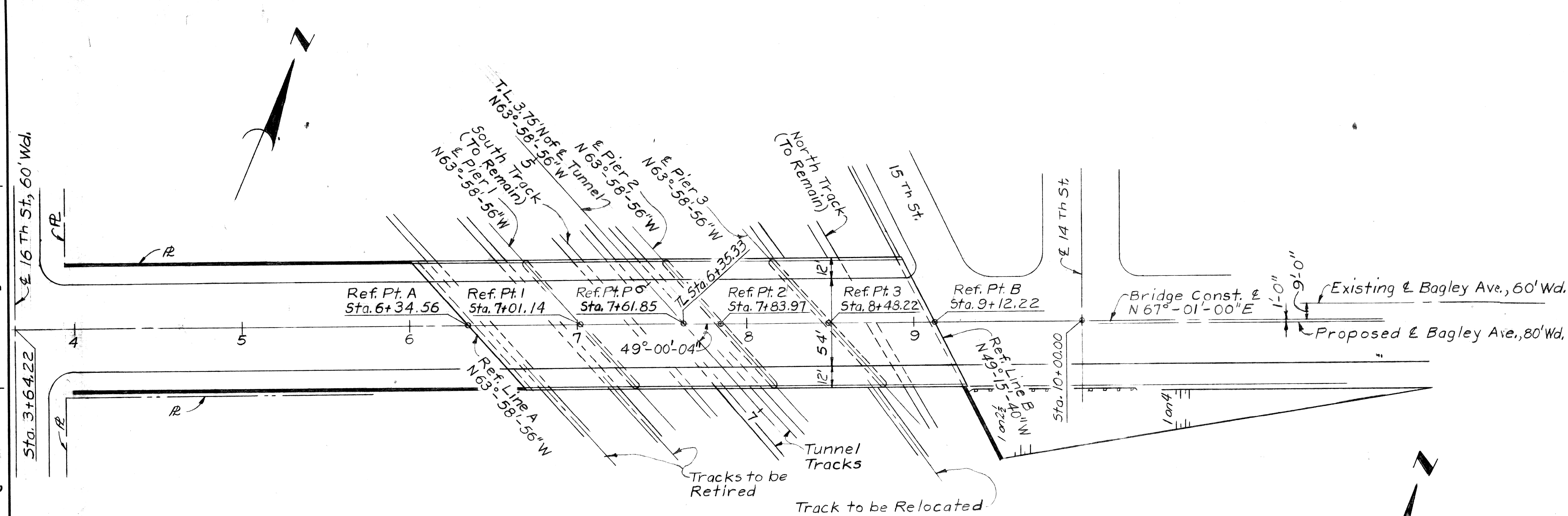
CITY OF DETROIT		WEST SIDE INDUSTRIAL REHABILITATION PROJECT NO. 2	
DEPARTMENT OF PUBLIC WORKS		BAGLEY AVE. BRIDGE CROSSING THE P.C.R.R.	
CITY ENGINEERS OFFICE		FOR	
COMMUNITY DEVELOPMENT COMMISSION		LOG OF SOIL BORINGS	

COORD. DESCRIPTION	DRN	CR'D	AP'D	DATE
REVISIONS LOCATED BY COORDINATES ON SHEET				

SHEET	2 OF 35 SHEETS
JOB NO.	AO1676C
DRWG NO.	
DATE	April 15, 1971



**CITY OF DETROIT BENCH MARKS**

Number	Location	Elevation
18-255	1' S. of N. R. Howard St. & 4' W. of E. R. 18th St.	112.323
18-255-A	1' S. of N. R. Howard St. & 4' W. of E. R. 16th St.	111.299
19-254	1' N. of S. R. Newark & 5' W. of E. R. 18th St.	103.347
19-254-A	1' N. of S. R. Newark & 7' E. of W. R. 16th St.	111.882

**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' above sea level.

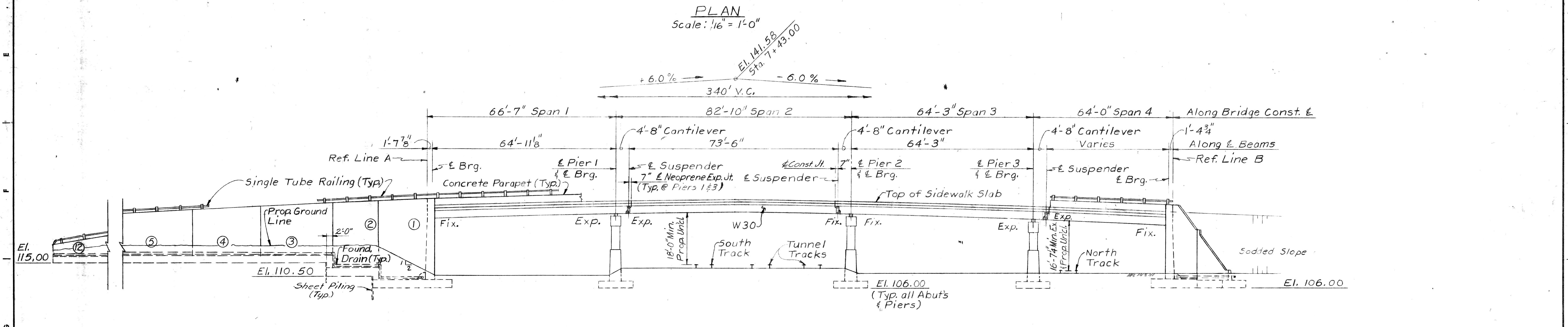
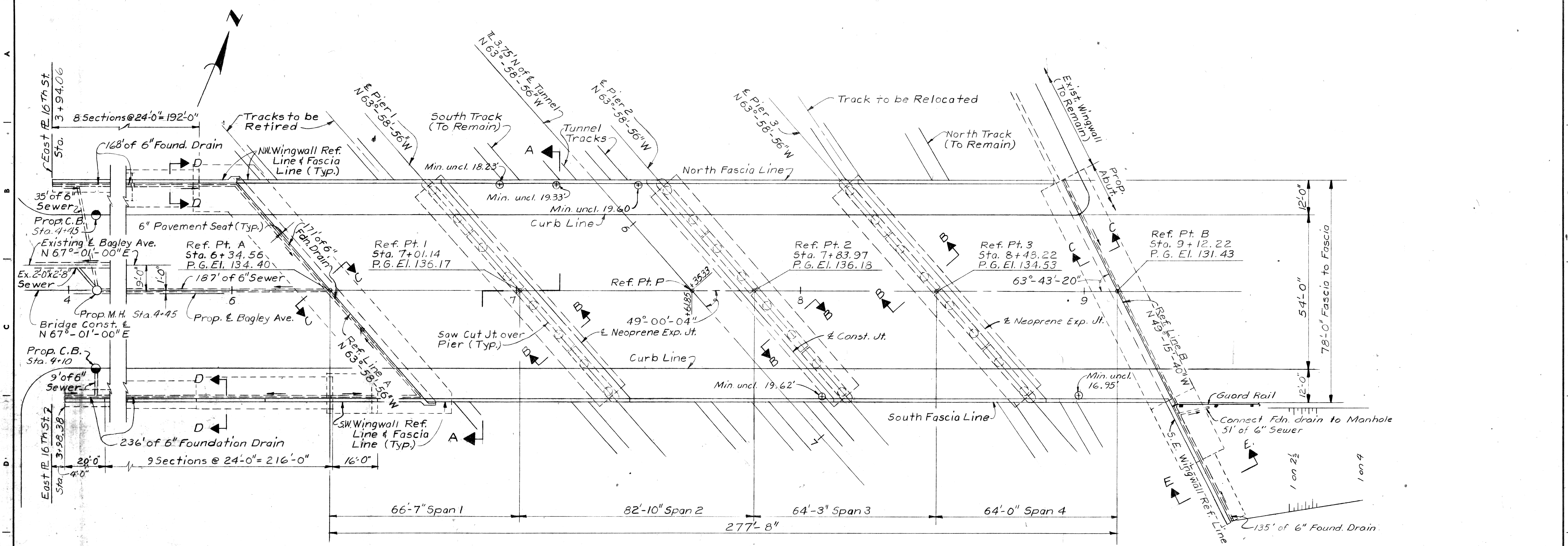
T.L. Denotes traverse line.

DESIGNED BY	McGuire
DRAWN BY	J. J.
TRACED BY	
CHECKED BY	B. COMLY JTB

**CITY OF DETROIT**  
 DEPARTMENT OF PUBLIC WORKS  
 CITY ENGINEERS OFFICE  
 FOR  
**COMMUNITY DEVELOPMENT COMMISSION**

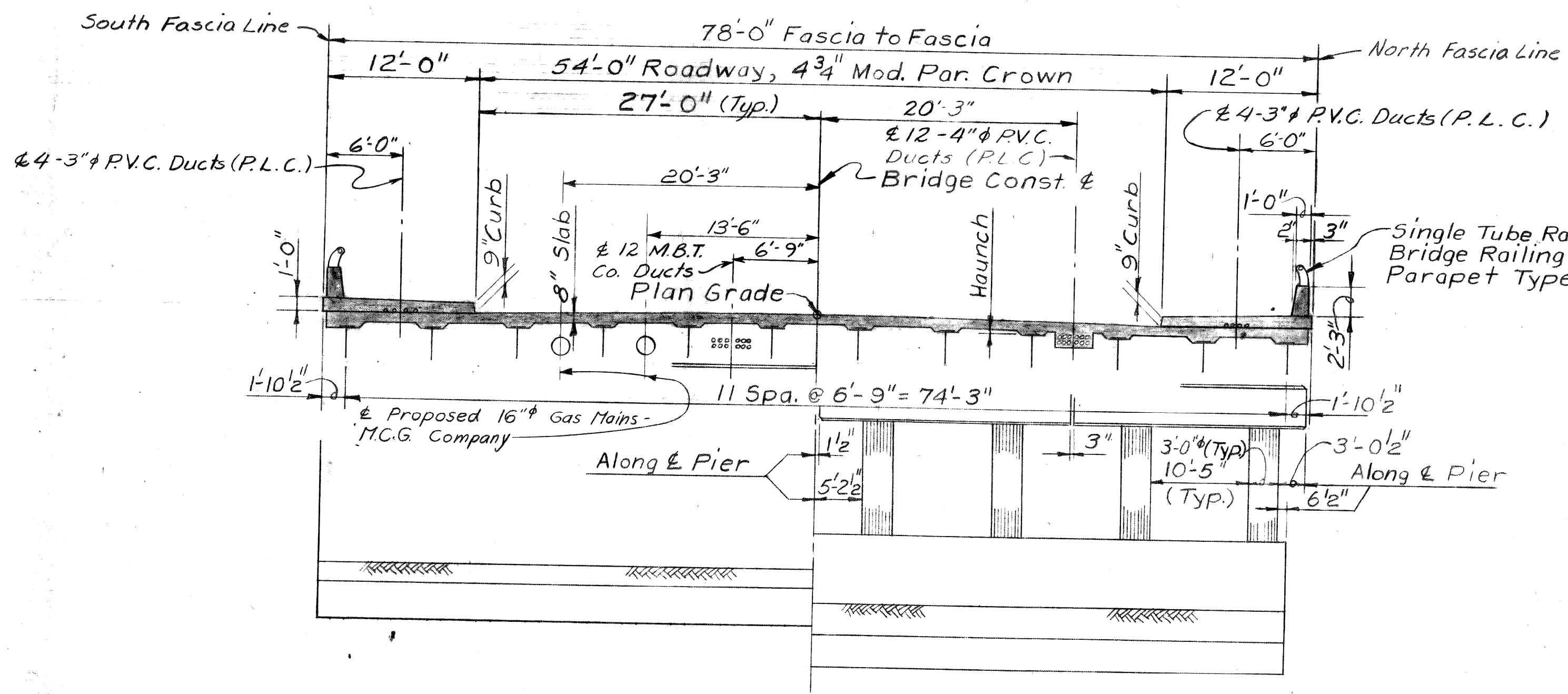
**WESTSIDE INDUSTRIAL REHABILITATION PROJECT #2**  
**BAGLEY AVE. BRIDGE CROSSING THE P.C.R.R.**  
**GENERAL DRAWING**

SHEET 3 OF 35 SHEETS
JOB No. A01676C
DRWG No.
DATE 9-70

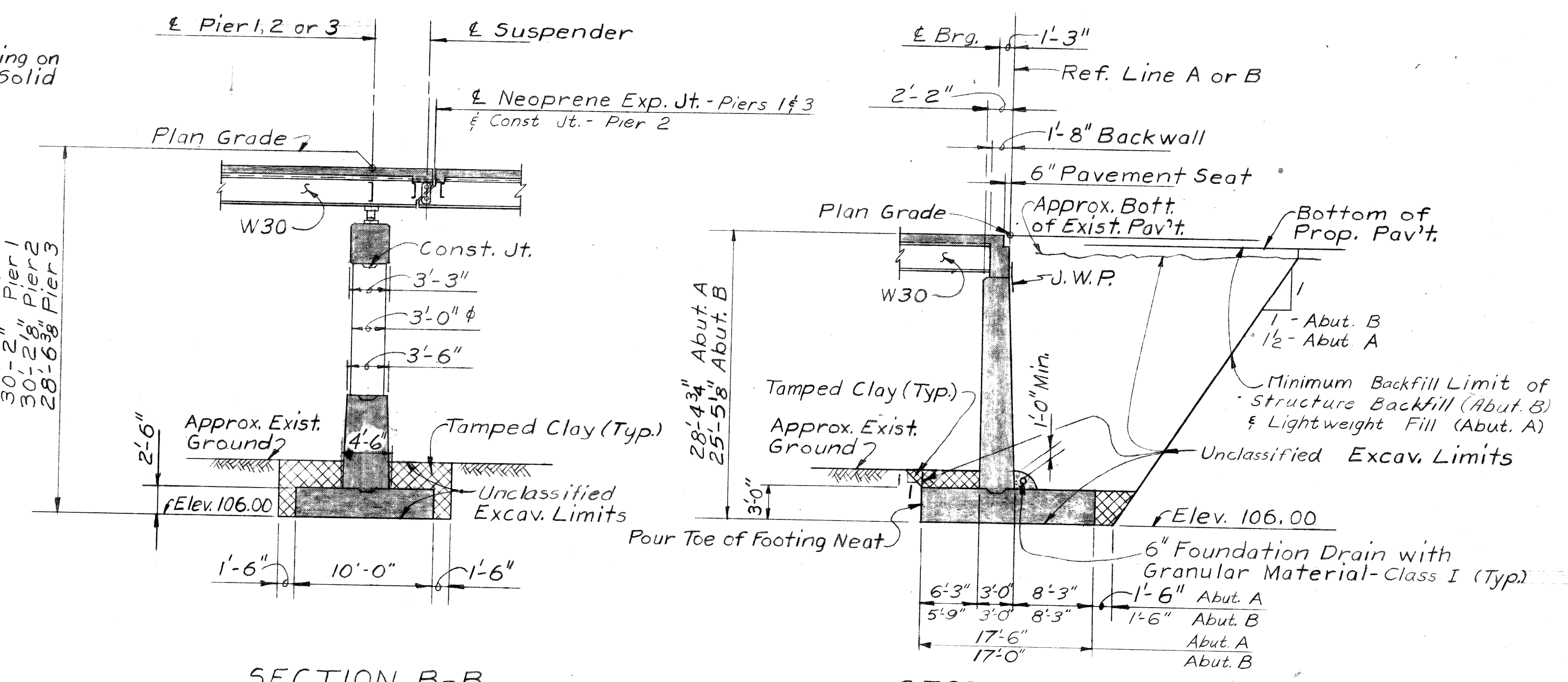


DESIGNED BY <i>McGuire</i> DRAWN BY <i>J. J.</i> TRACED BY CHECKED BY <i>B. COMLY JHS</i>		APPROVED:  CITY ENGINEER	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR COMMUNITY DEVELOPMENT COMMISSION	WEST SIDE INDUSTRIAL REHABILITATION PROJECT NO 2 BAGLEY AVE. BRIDGE CROSSING THE P.C.R.R. GENERAL PLAN OF STRUCTURE	SHEET 4 OF 35 SHEETS JOB No. A01676C DRWG No. DATE 9-70
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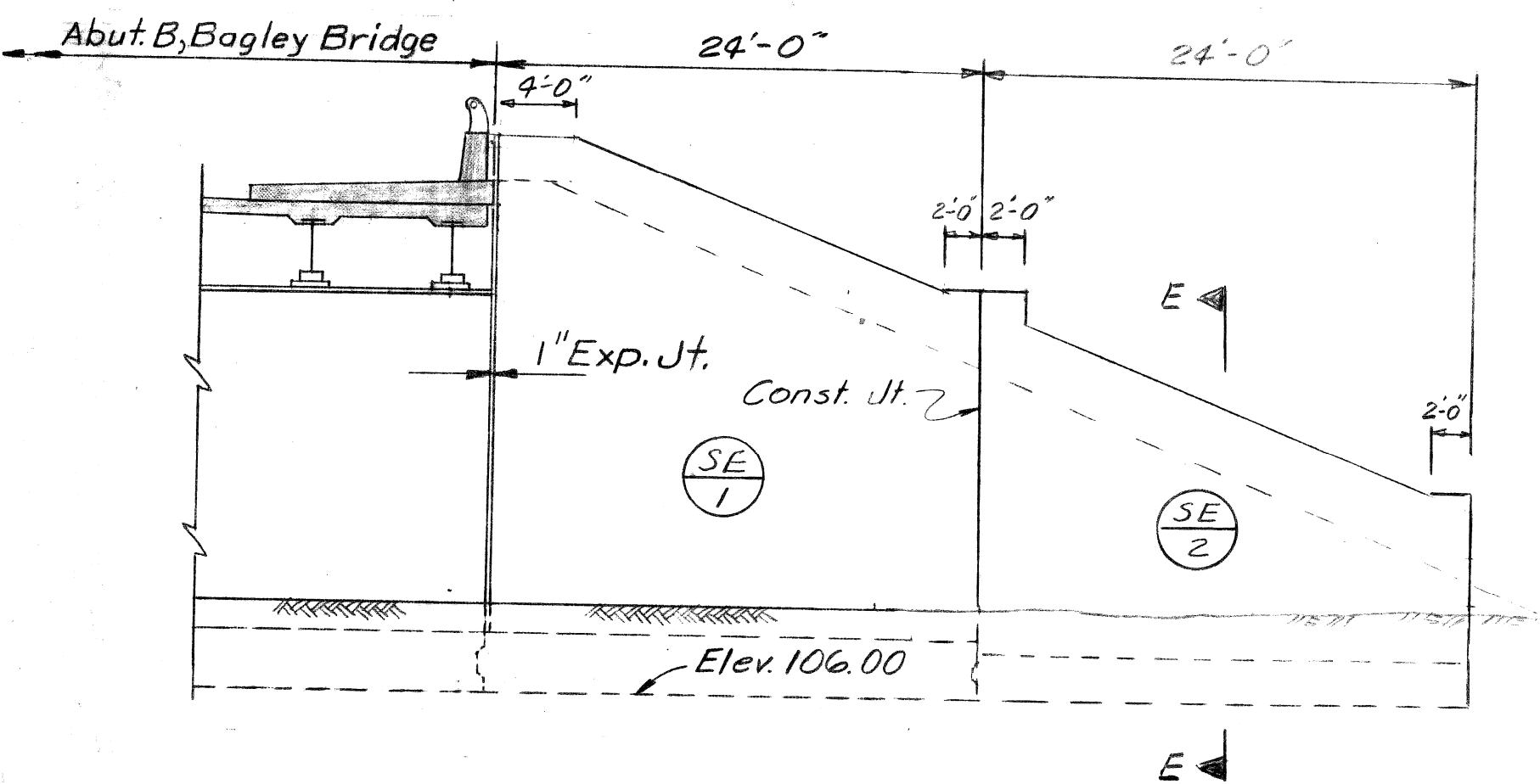


SECTION A-A  
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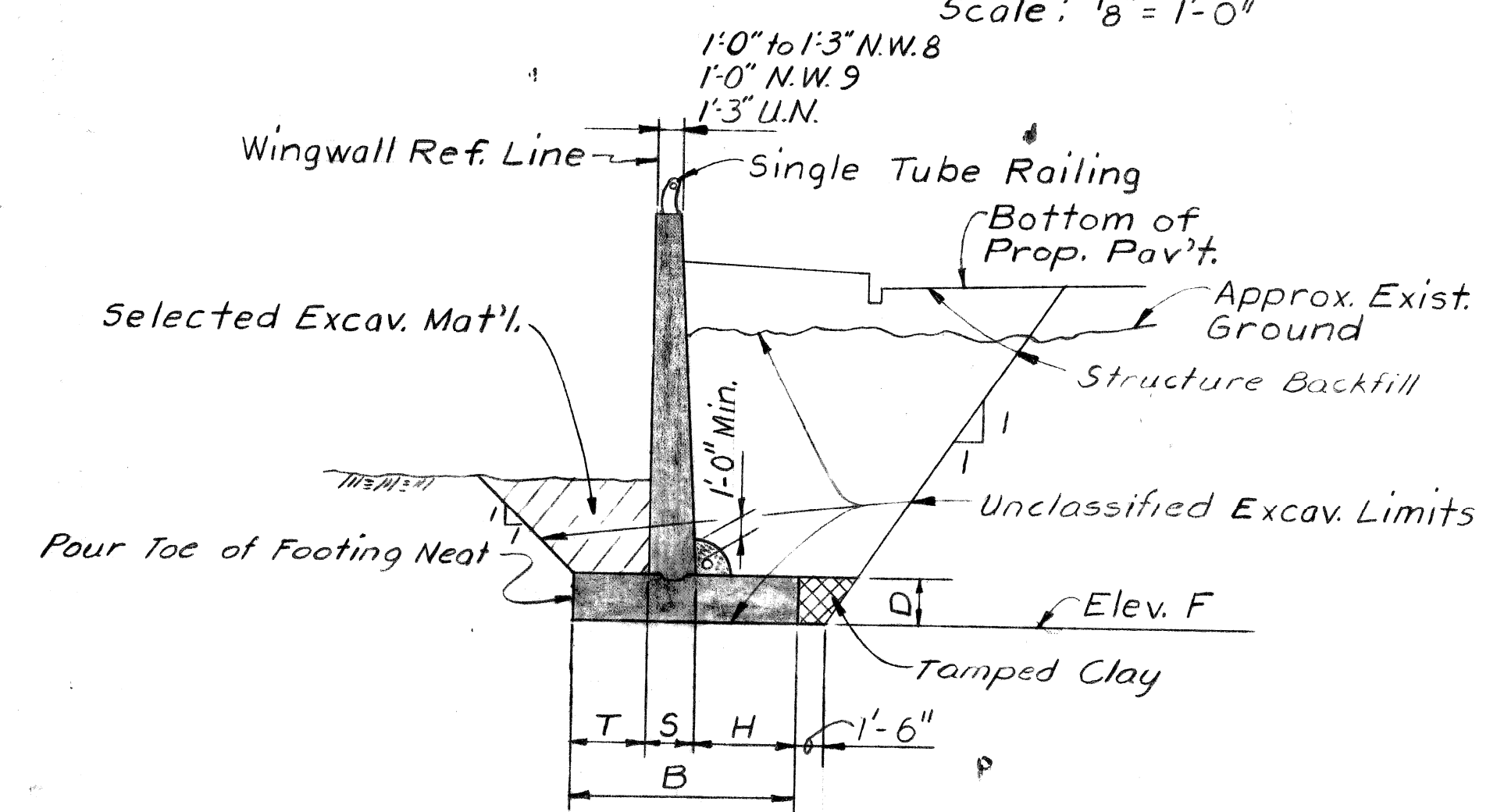


SECTION B-B  
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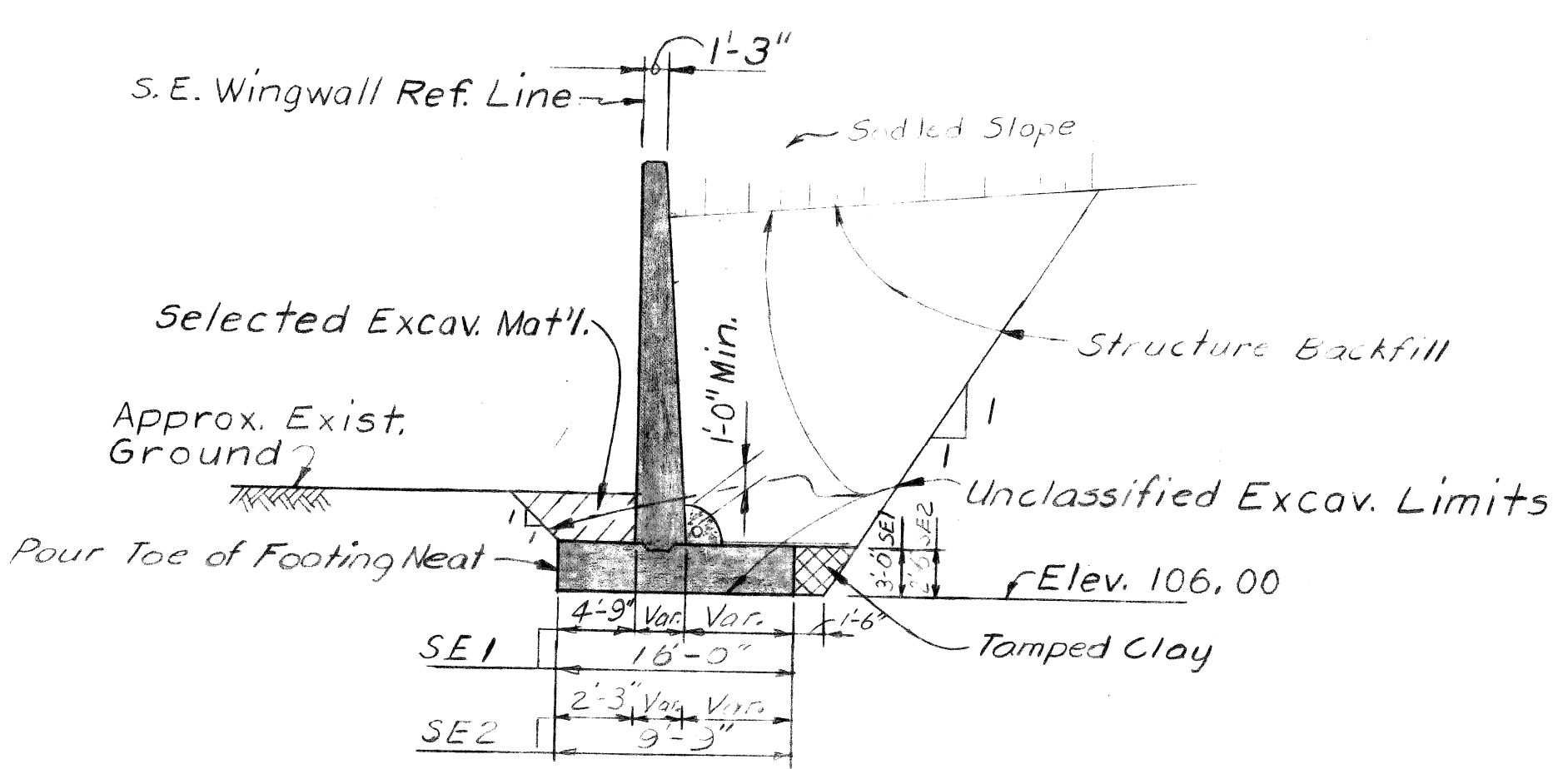
SECTION C-C  
Scale: 1/8" = 1'-0"



SOUTHEAST WINGWALL ELEVATION  
Scale: 1/8" = 1'-0"



SECTION D-D  
Scale: 1/8" = 1'-0"



SECTION E-E  
Scale: 1/8" = 1'-0"

Wingwall	Section	Wingwall Dimensions					Elev. F
		T	S <sub>AVE</sub>	H <sub>AVE</sub>	B	D	
North-West	1	5'-3"	3'-0"	8'-3"	16'-6"	3'-0"	106.0
	2	3'-6"	3'-0"	6'-6"	13'-0"	3'-0"	110.5
	3	2'-3"	2'-6"	5'-0"	9'-9"	2'-6"	115.0
	4	2'-0"	2'-4"	3'-8"	8'-0"	2'-6"	115.0
	5	2'-0"	2'-3"	3'-9"	8'-0"	2'-6"	115.0
	6	1'-6"	2'-2"	2'-4"	6'-0"	2'-0"	115.0
	7	1'-6"	2'-1"	2'-5"	6'-0"	2'-0"	115.0
	8	1'-6"	1'-6"	3'-0"	6'-0"	2'-0"	115.0
	9	4'-6"	1'-0"	-	5'-2"	2'-0"	115.0
South-West	1	4'-3"	3'-0"	-	-	3'-0"	106.0
	2	4'-3"	3'-0"	7'-9"	14'-0"	3'-0"	110.5
	3	2'-6"	2'-6"	6'-3"	11'-3"	2'-6"	115.0
	4	2'-6"	2'-5"	6'-4"	11'-3"	2'-6"	115.0
	5	2'-3"	2'-4"	5'-2"	9'-9"	2'-6"	115.0
	6	2'-3"	2'-4"	5'-2"	9'-9"	2'-6"	115.0
	7	2'-0"	2'-3"	3'-9"	8'-0"	2'-6"	115.0
	8	2'-0"	2'-3"	3'-9"	8'-0"	2'-6"	115.0
	9	1'-6"	2'-2"	2'-4"	6'-0"	2'-0"	115.0
	10	1'-6"	2'-1"	2'-5"	6'-0"	2'-0"	115.0
	11	1'-6"	2'-1"	2'-5"	6'-0"	2'-0"	115.0
	12	1'-6"	2'-0"	2'-6"	6'-0"	2'-0"	115.0

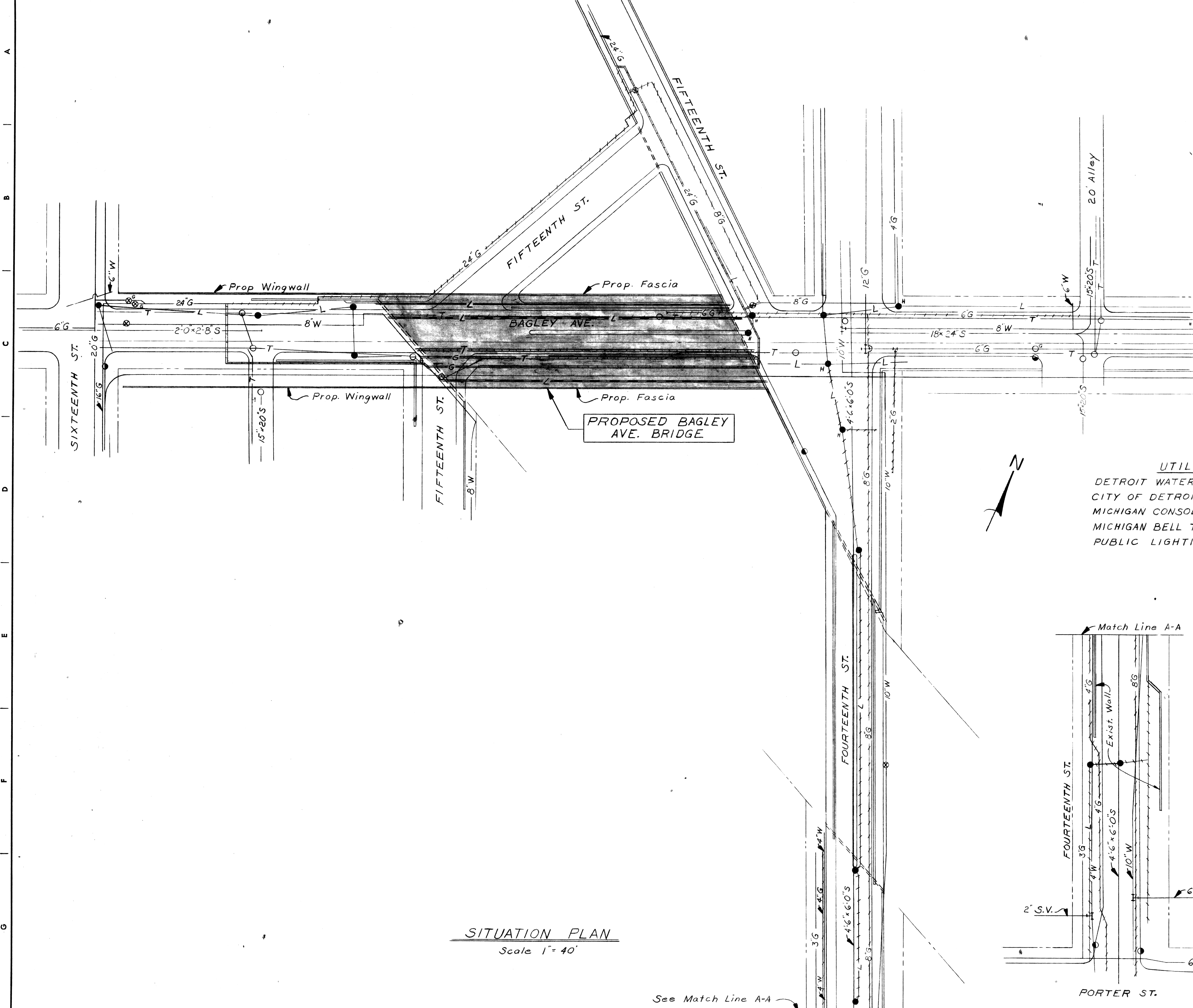
**GENERAL NOTES:**  
 The design of this structure is based on current AASHTO Standard Specifications for Highway Bridges, HS20-44 loading.  
 Live load plus impact deflection = 1/1000 of span length and 1/350 of cantilever arm.  
 Top of roadway slab and top of curbs are parallel to the vertical curve.  
 P.G. denotes Plan Grade.  
 J.W.P. denotes Joint Waterproofing.

DESIGNED BY Mc Guire	APPROVED:
DRAWN BY J. J.	
TRACED BY	
CHECKED BY B. COMLY JWS	

CITY OF DETROIT  
 DEPARTMENT OF PUBLIC WORKS  
 CITY ENGINEERS OFFICE  
 FOR  
 COMMUNITY DEVELOPMENT COMMISSION

WEST SIDE INDUSTRIAL REHABILITATION PROJECT No 2  
 BAGLEY AVE. BRIDGE CROSSING THE P.C.R.R.  
 GENERAL PLAN OF STRUCTURE

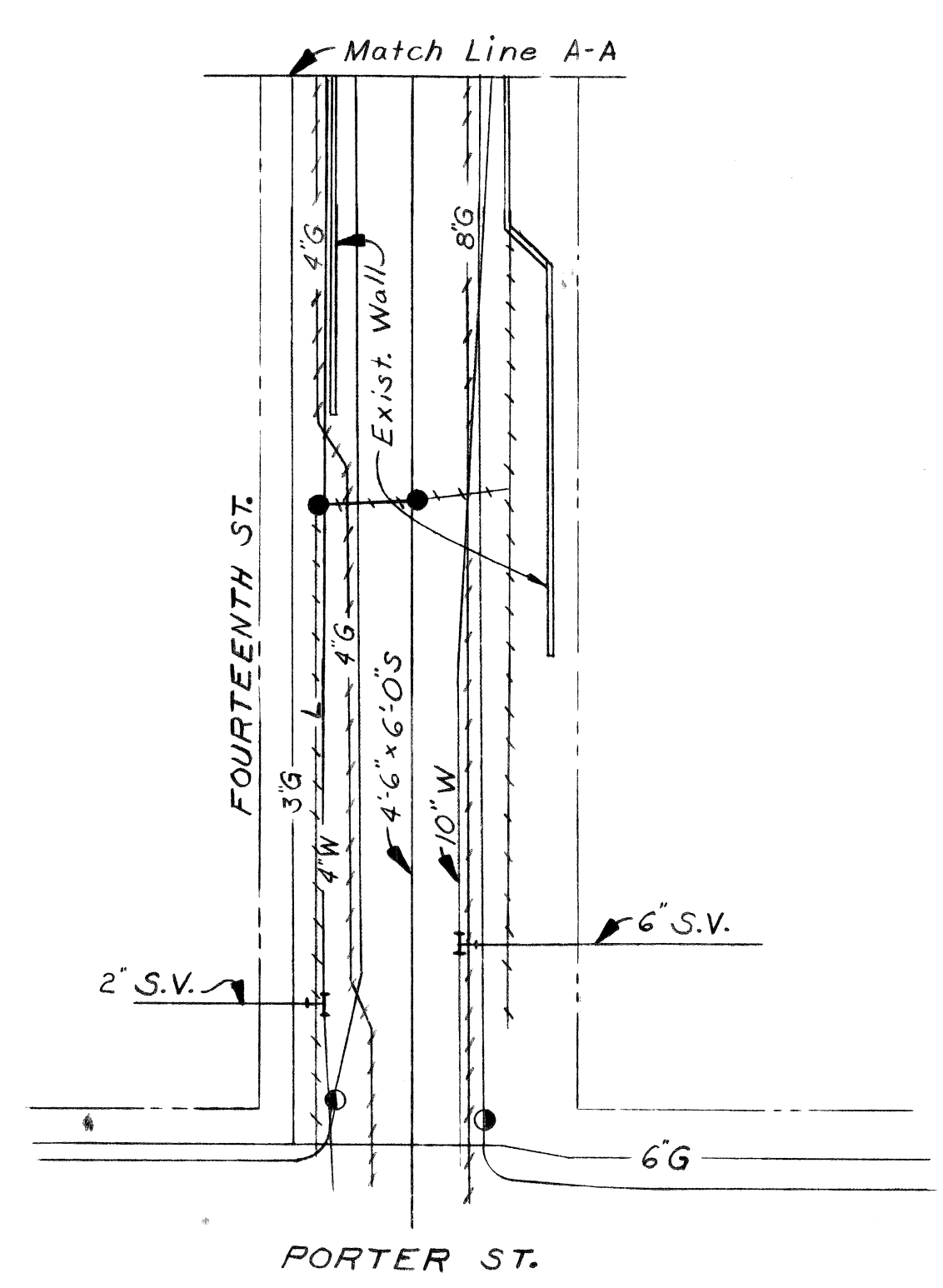
SHEET 5 OF 35 SHEETS  
 CONTRACT NO. JCB No. A01676C  
 DRWG NO.  
 DATE 9-70



**LEGEND**

EXISTING	DEAD OR TO BE ABANDONED	NEW WORK BY OTHERS	NEW WORK BY CONTRACTOR
— W —			
— S —			
— G —	+++ G +++	==== G	
— T —	+++ T +++	==== T	
— L —	+++ L +++		==== L

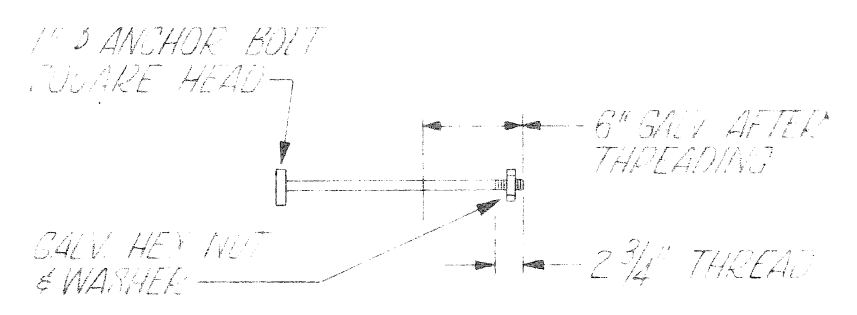
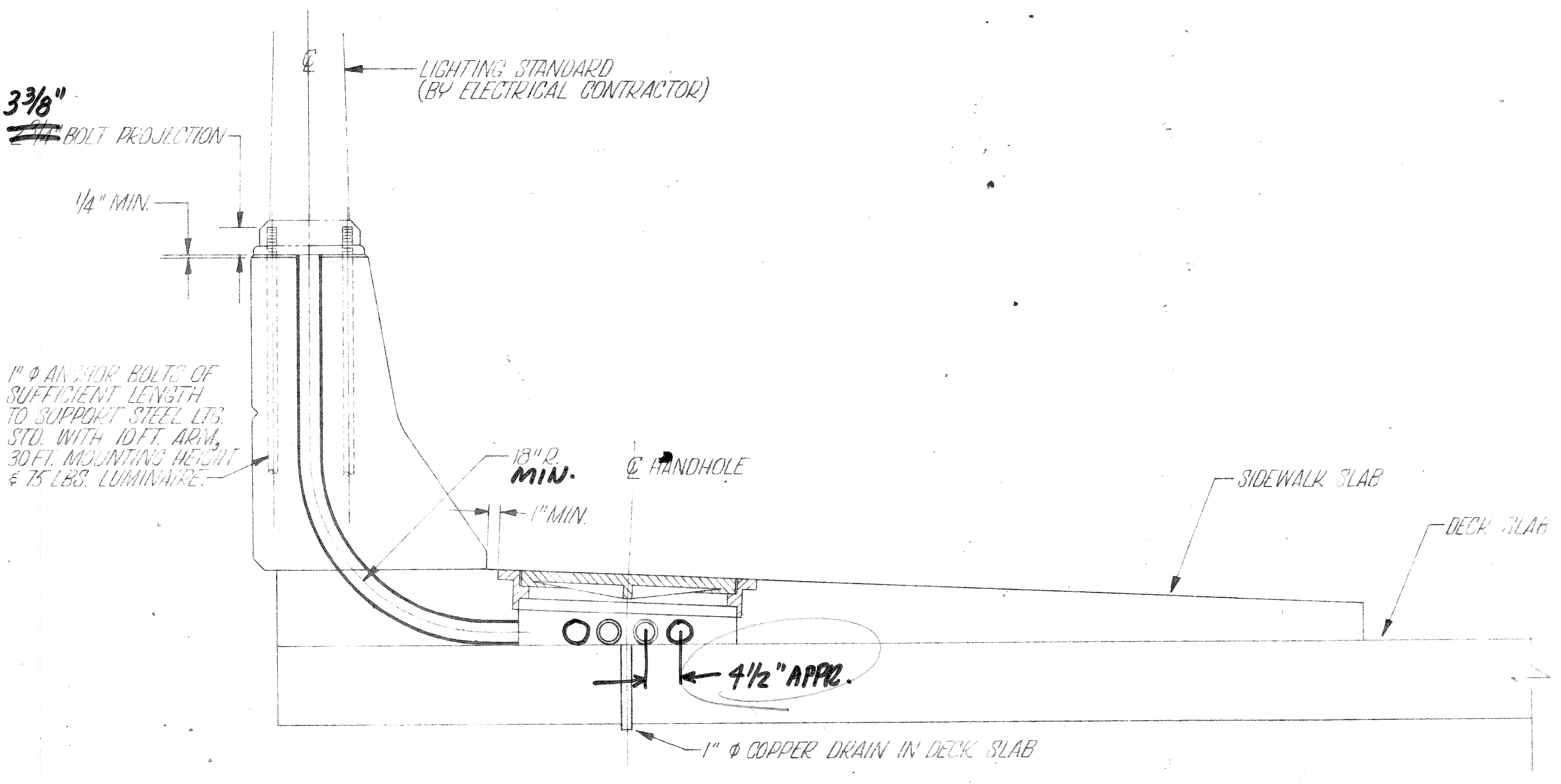
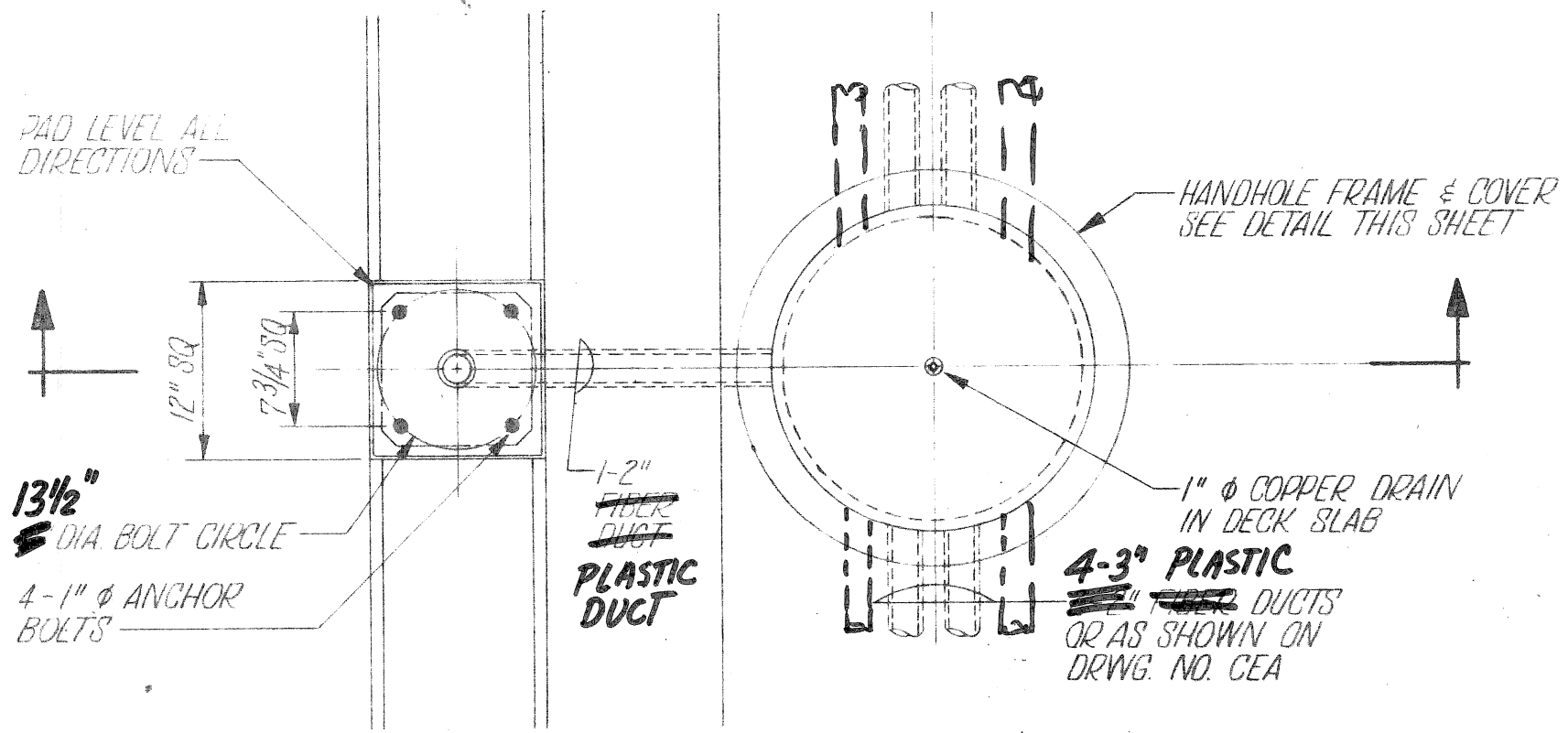
**UTILITY**  
 DETROIT WATER DEPARTMENT  
 CITY OF DETROIT SEWERS  
 MICHIGAN CONSOLIDATED GAS CO.  
 MICHIGAN BELL TELEPHONE CO.  
 PUBLIC LIGHTING COMMISSION



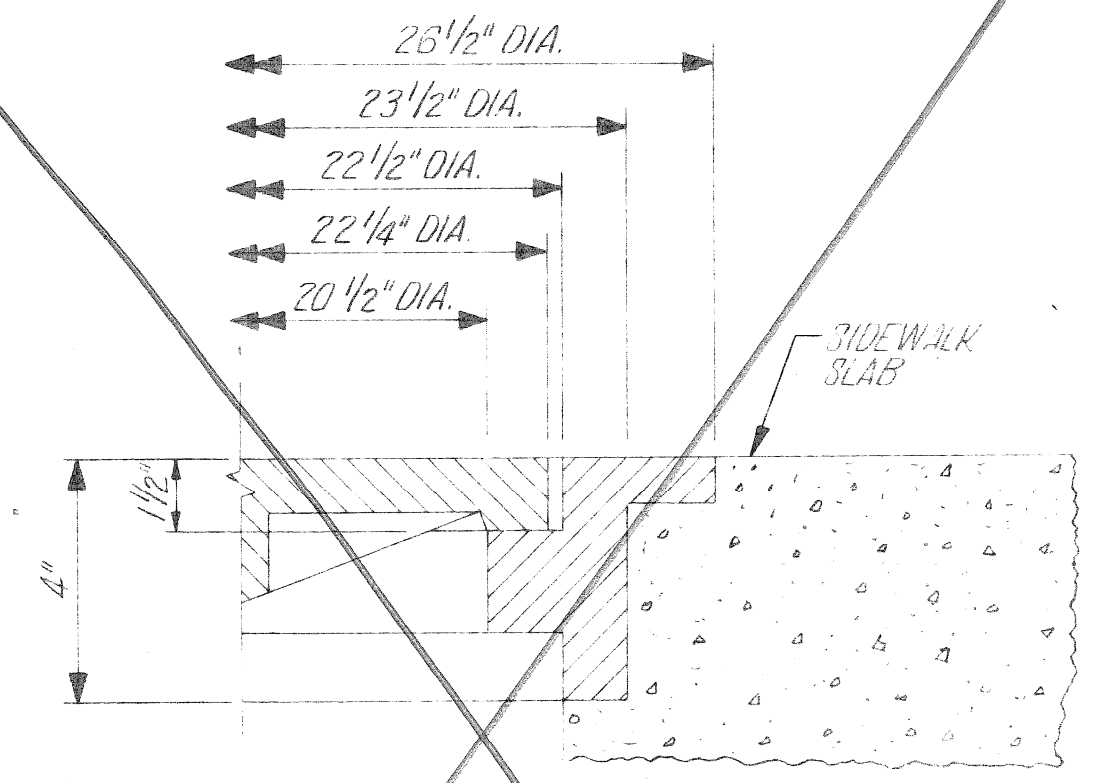
**SITUATION PLAN**  
 Scale 1" = 40'

See Match Line A-A

REVISIONS LOCATED BY COORDINATES ON SHEET 1 2 3 4 5 6 7 8 9 10 11	REFERENCE DRAWINGS	DESIGNED BY <i>McGuire</i>	APPROVED:	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR <b>COMMUNITY DEVELOPMENT COMMISSION</b>	WEST SIDE INDUSTRIAL REHABILITATION PROJECT No.2 BAGLEY AVE. BRIDGE CROSSING THE P.C.R.R. EXISTING UTILITIES AND PROPOSED ALTERATIONS	SHEET <u>6</u> OF <u>35</u> SHEETS
		DRAWN BY				CONTRACT No. <u>AO 1676C</u>
		TRACED BY <i>R. Rosik</i>				DRWG No.
		CHECKED BY <i>McGuire</i>	CITY ENGINEER			DATE <u>08-71</u>



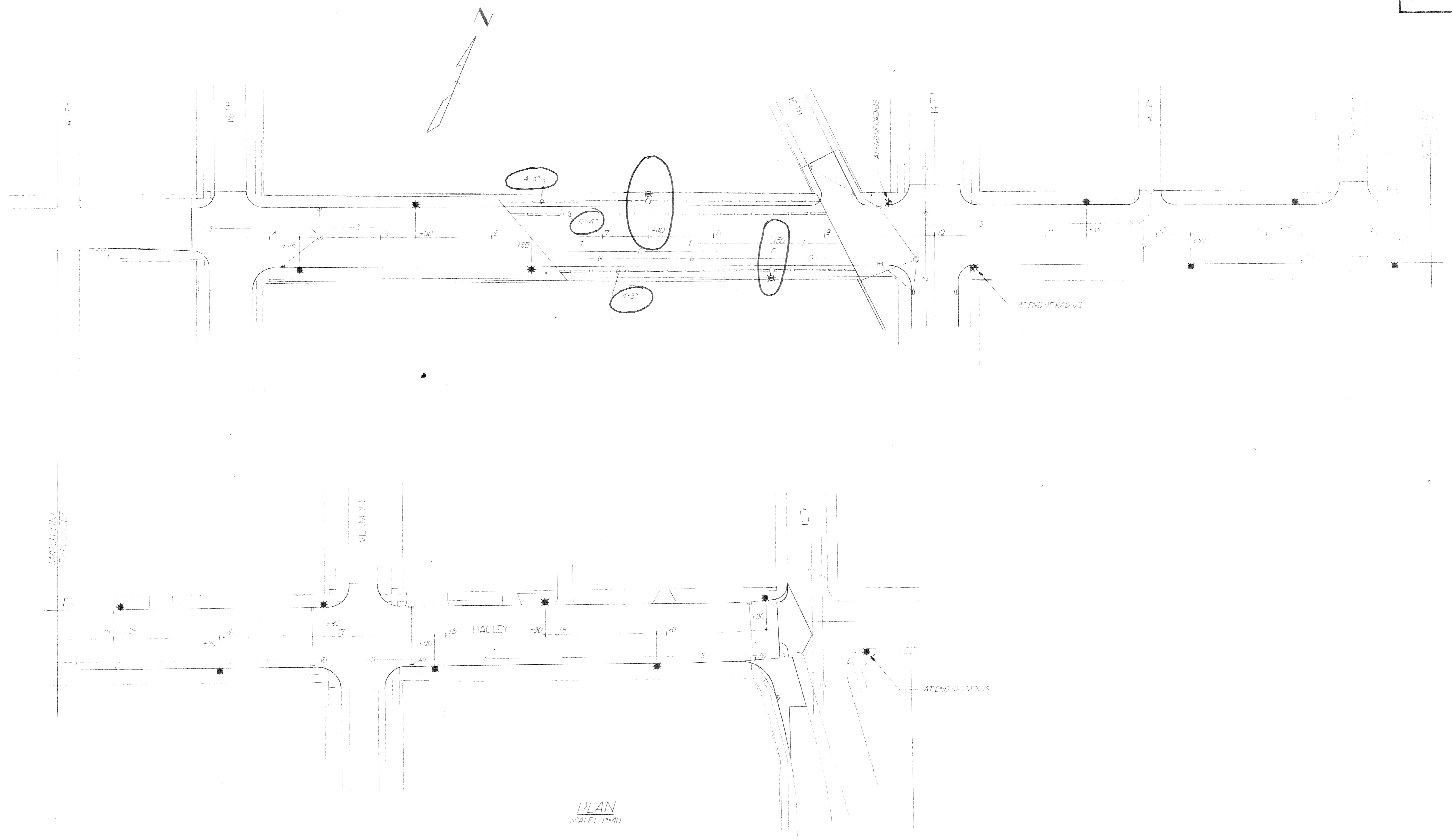
ANCHOR BOLT DETAIL FOR LIGHTING STANDARD  
SCALE: 1"=1'-0"



HANDHOLE FRAME & COVER  
N.T.S.  
APPROX. WT. 165 LBS.

NOTE:  
COVERS SHALL BE CASTINGS WHICH MEET THE REQUIREMENTS OF THE CURRENT SPECIFICATION FOR GRAY IRON CASTINGS ASTM DESIGNATION A48 & SHALL HAVE A MIN. STRENGTH AS PROVIDED FOR CLASS NO 30 GRAY IRON CASTINGS.

DRAWN BY CEA	PLAN PREPARED BY CONSULTING ENGINEERING ASSOCIATES INC. ENGINEERING CONSULTANTS	
CHECKED BY	16580 WYOMING DETROIT, MICH. 48221	
APPROVED BY		
<b>DETAIL "A"</b>		
INSTALLATION OF U.G.-FED ST. LTG. STD. 30 FT. MOUNTING HEIGHT ON BRIDGE.		
FILE NO.	DRWG. NO. CEA S 501	DATE



PLAN  
SCALE: 1"=40'

DATE	DESCRIPTION	CHKD. BY

SHEET ___ OF ___ SHEETS
CONTRACT NO.
DRWG NO.
DATE

CITY OF DETROIT  
DEPARTMENT OF PUBLIC WORKS  
CITY ENGINEERS OFFICE

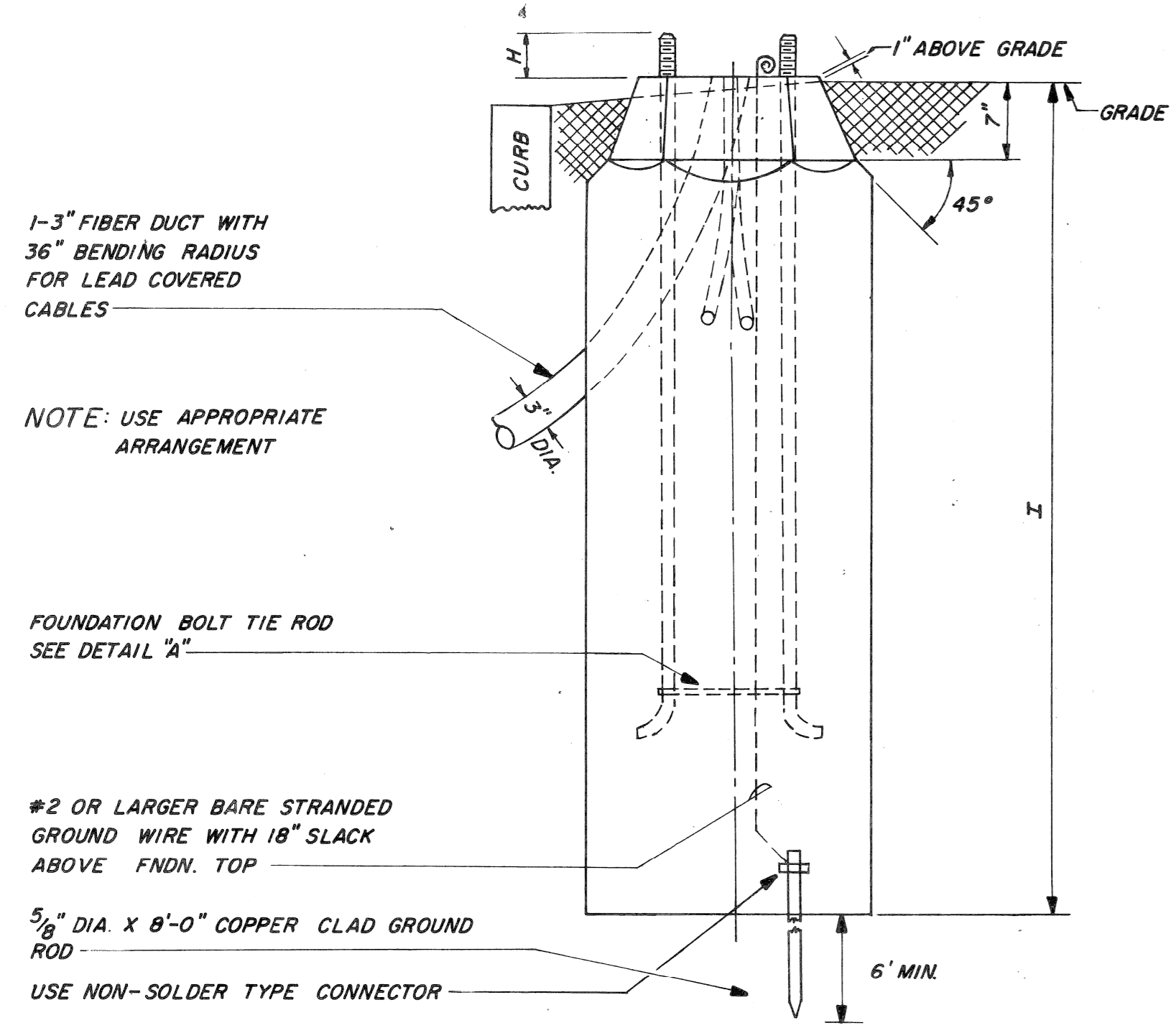
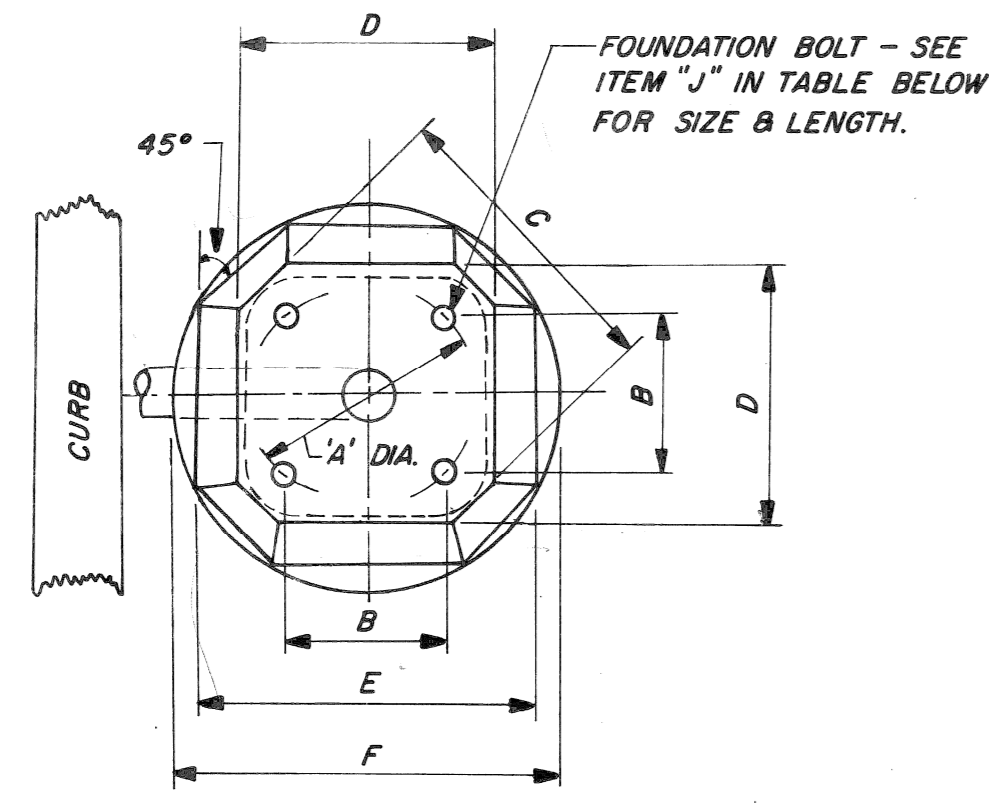
DRAWN BY CEA
CHECKED BY
APPROVED BY
DATE

PLAN PREPARED BY  
CONSULTING ENGINEERING ASSOCIATES INC.  
ENGINEERING CONSULTANTS  
16580 WYOMING DETROIT, MICH. 48221  
DRWG NO. OF FILE NO.

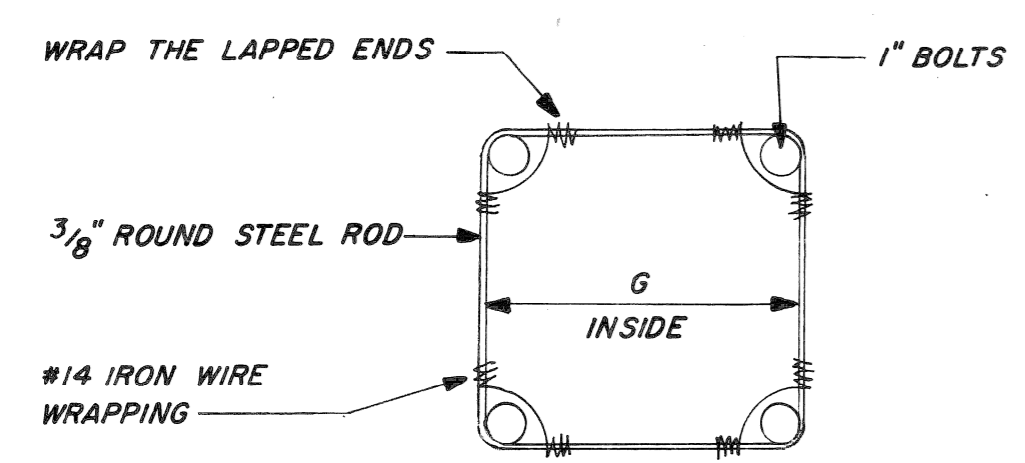
DRAWN BY
CHECKED BY
APPROVED BY

PUBLIC LIGHTING  
COMMISSION  
CITY OF DETROIT

FILE NO.
SHEET NO. OF
DATE

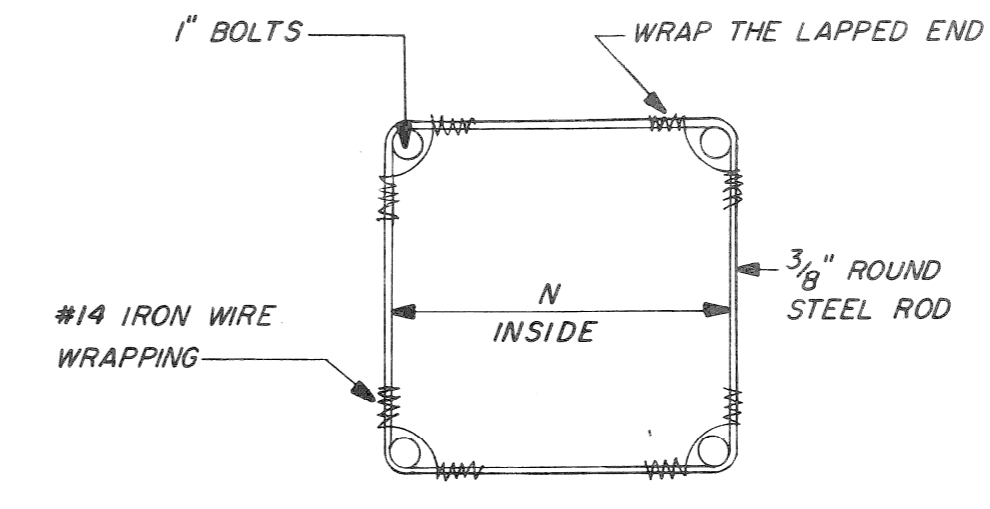
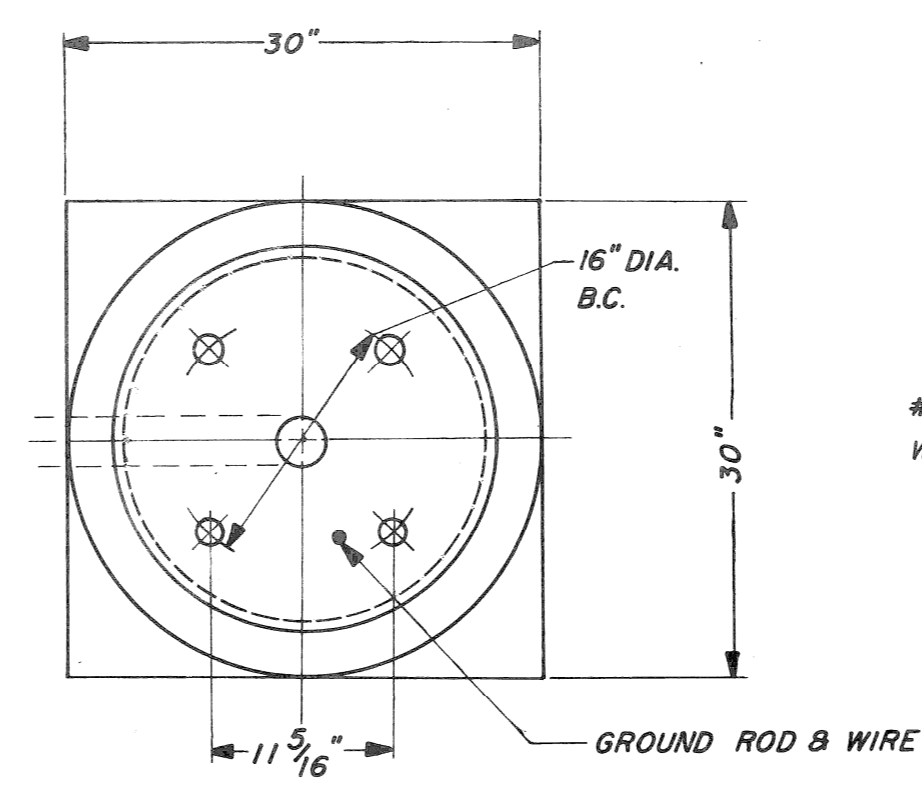


**ANCHOR BASE STD. FOUNDATION**  
SCALE: 1"=1'-0"

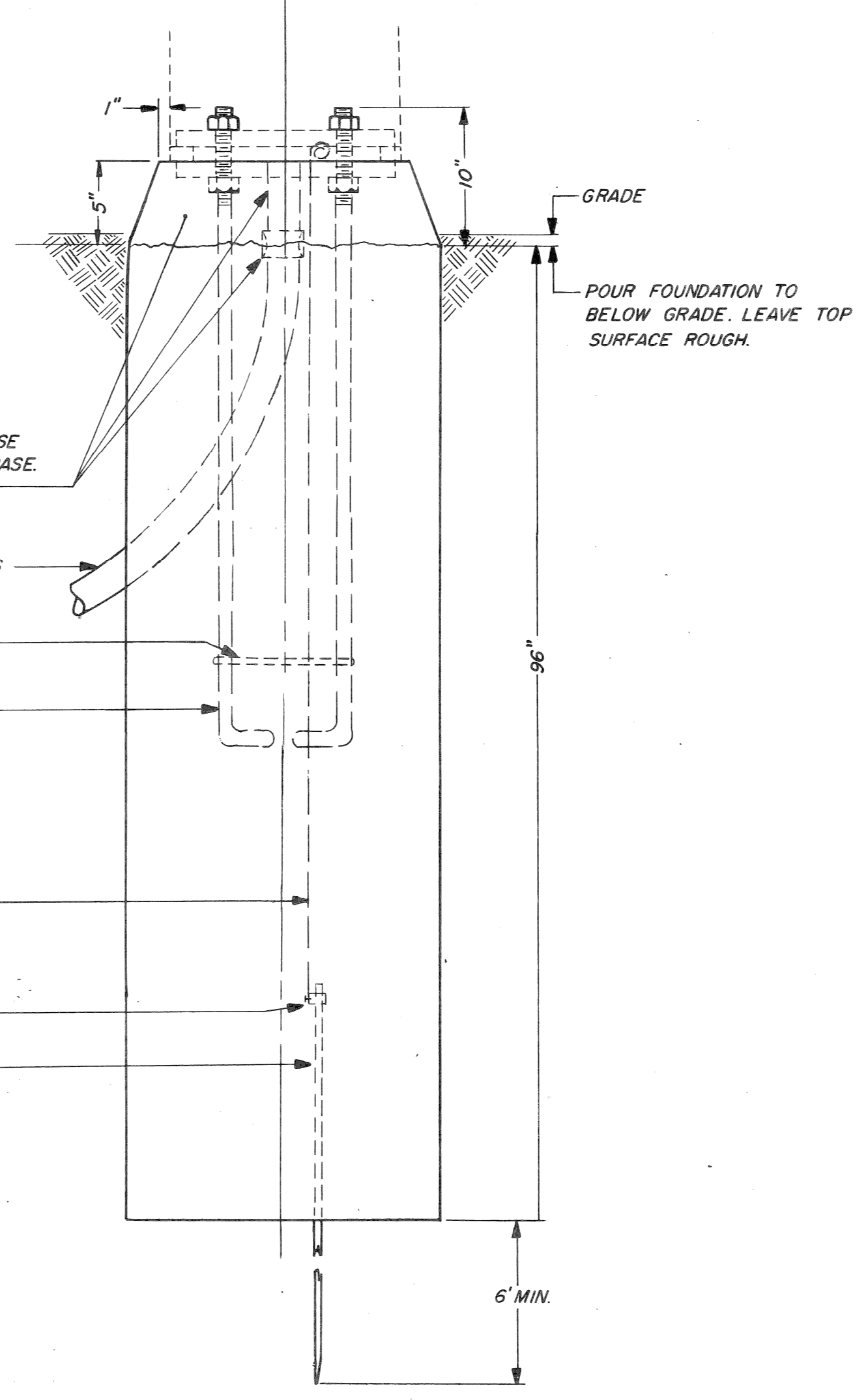


**DETAIL "A"**  
**FOUNDATION BOLT TIE ROD**  
SCALE: 1 1/2"=1'-0"

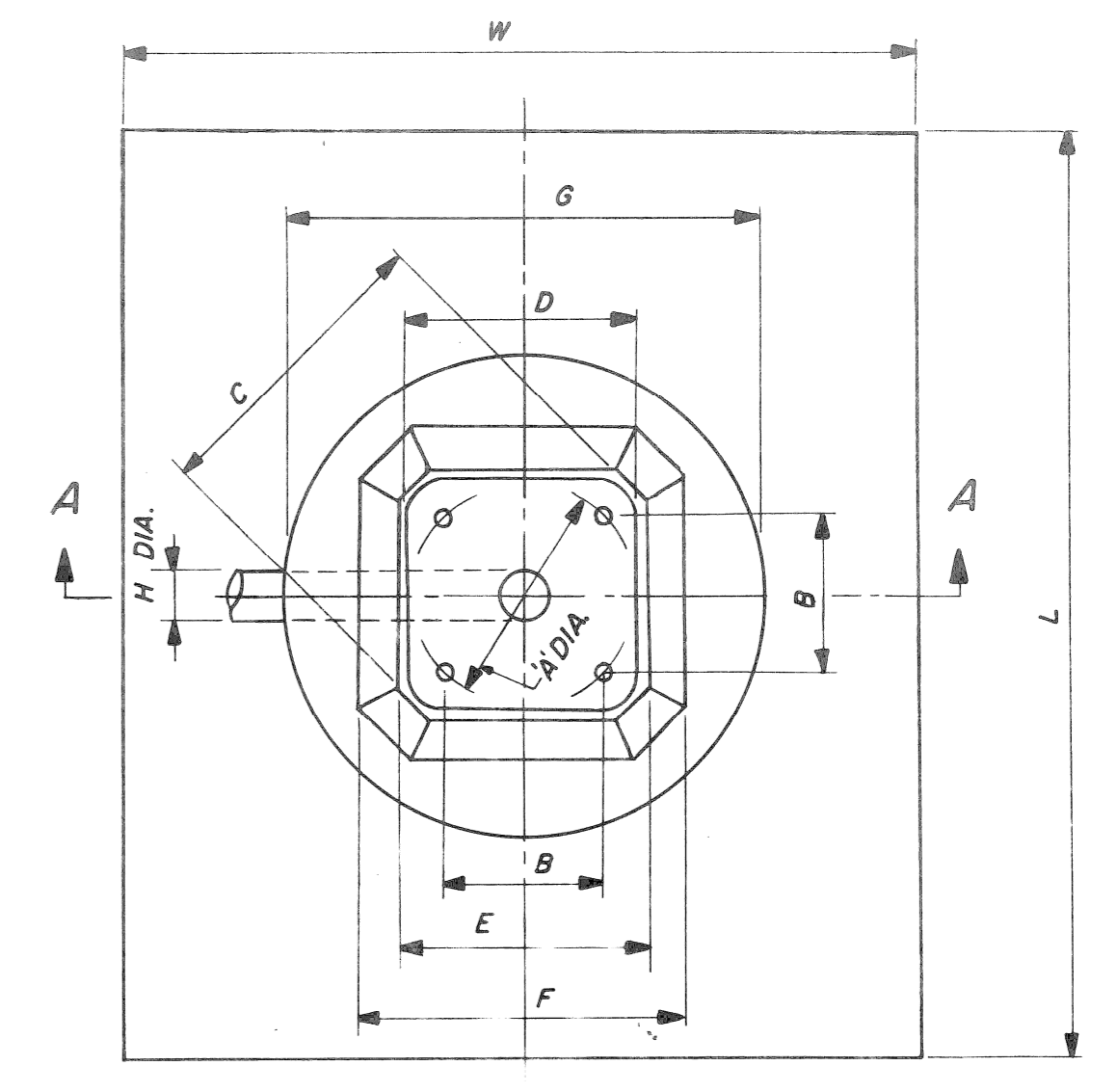
	A	B	C	D	E	F	G	H	I	J
CODE 009-06 ANCHOR BASE STD.	13 1/2"	9 9/16"	19 1/2"	16 1/8"	21 3/8"	30"	10 9/16"	3 3/8"	60"	1" X 40"
CODE 104-15 ANCHOR BASE STD.	13 1/2"	9 9/16"	19 1/2"	16 1/8"	21 3/8"	30"	10 9/16"	3 3/8"	72"	1" X 40"
TRUSS TYPE STD.: MAST ARM STD. OR COMB. ST. LTG. & M.A. STD.	13 1/2"	9 9/16"	19 1/2"	16 1/8"	21 3/8"	33"	11 1/16"	3 1/2"	96"	1 1/2" X 60"



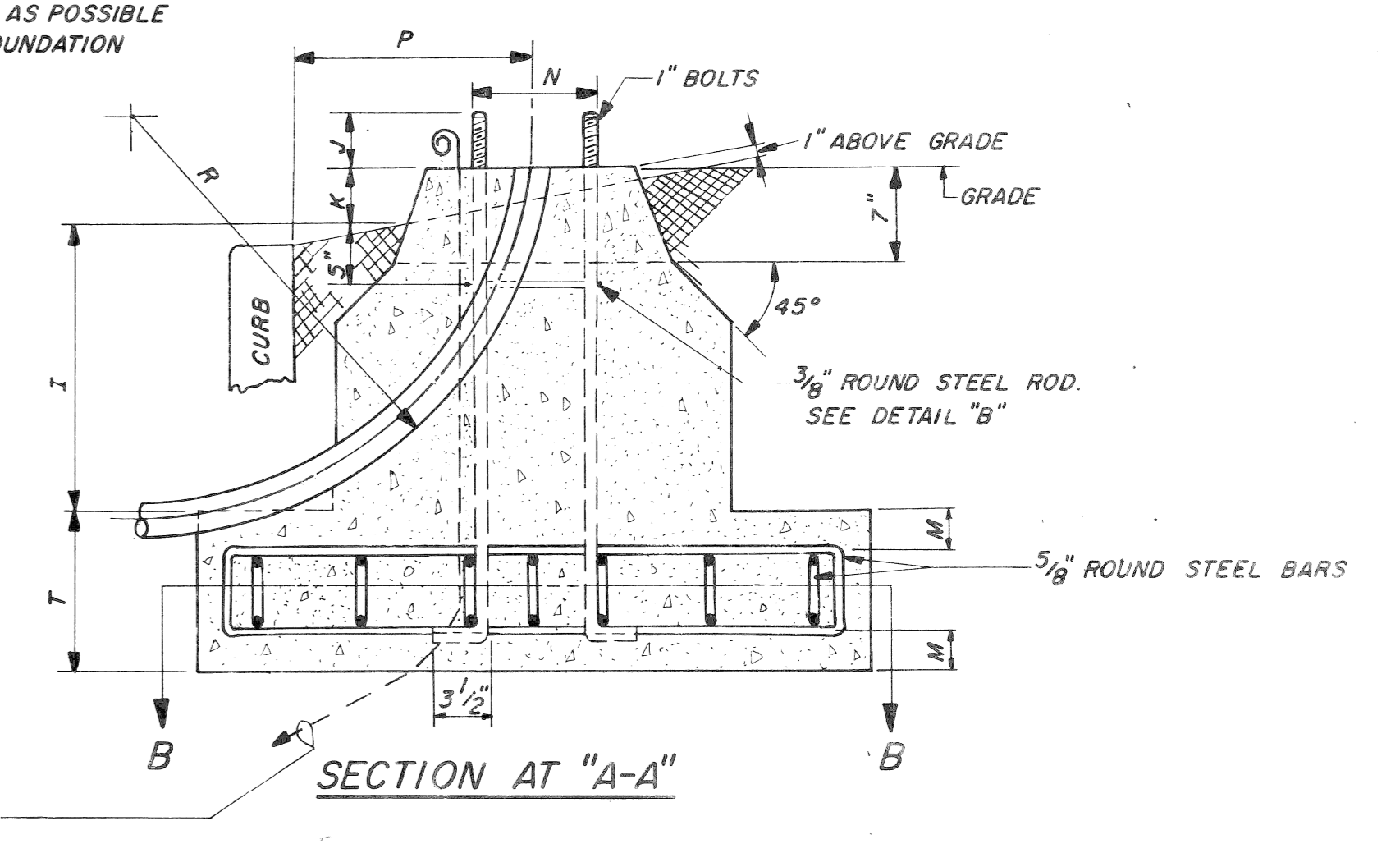
**DETAIL "B"**  
**FOUNDATION BOLT TIE ROD**  
SCALE: 2"=1'-0"



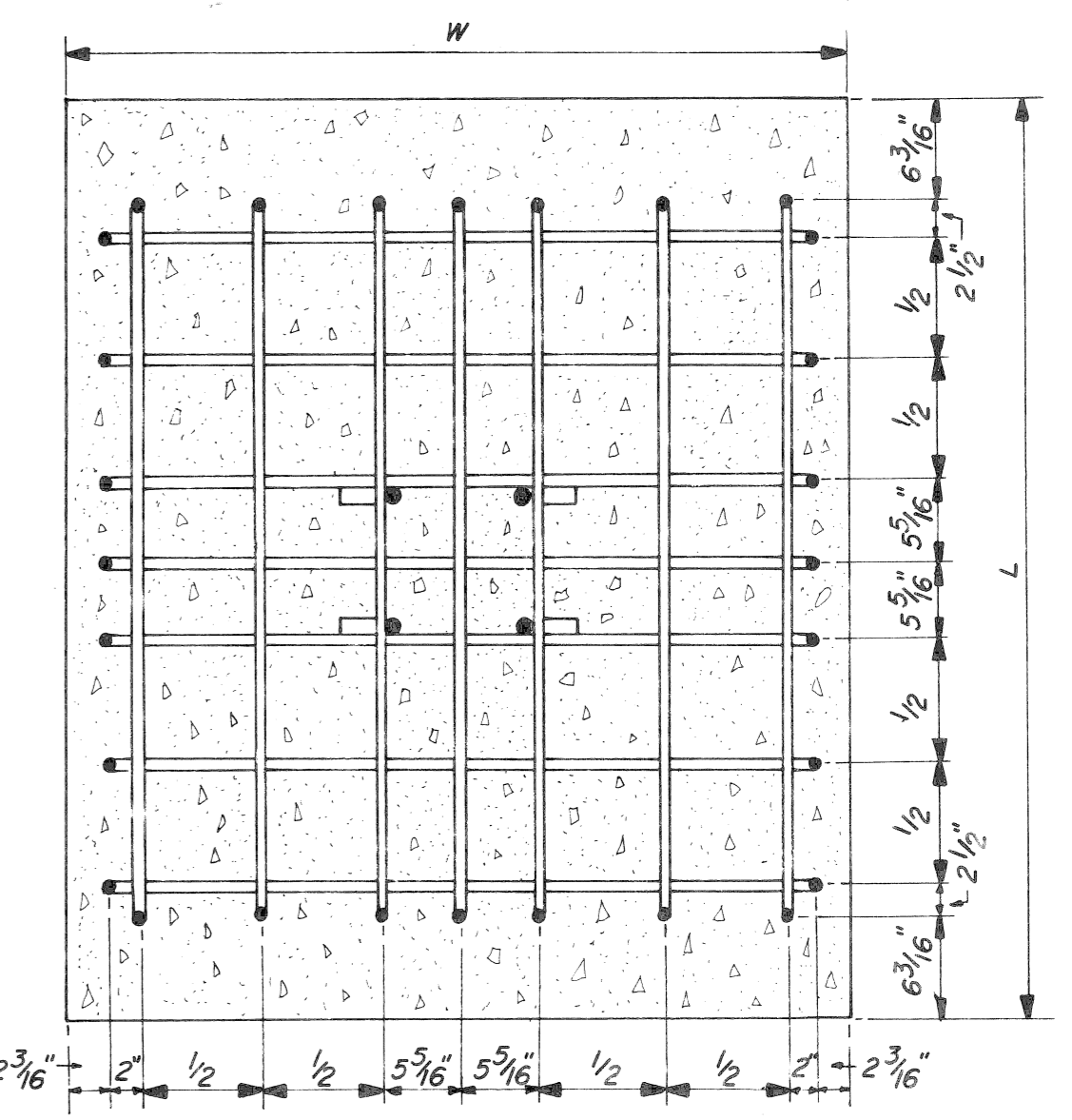
**CANTILEVER TYPE STD.: MAST ARM STD. OR COMB. ST. LTG. & MAST ARM STD.**



R = AS LARGE AS POSSIBLE TO SUIT FOUNDATION SELECTED.



**SECTION AT "A-A"**



**SECTION AT "B-B"**

L	W	T
5'-0"	4'-3"	1'-0"
4'-6"	3'-6"	1'-6"
4'-0"	3'-3"	2'-0"
3'-9"	3'-0"	2'-6"
3'-4"	3'-0"	3'-0"

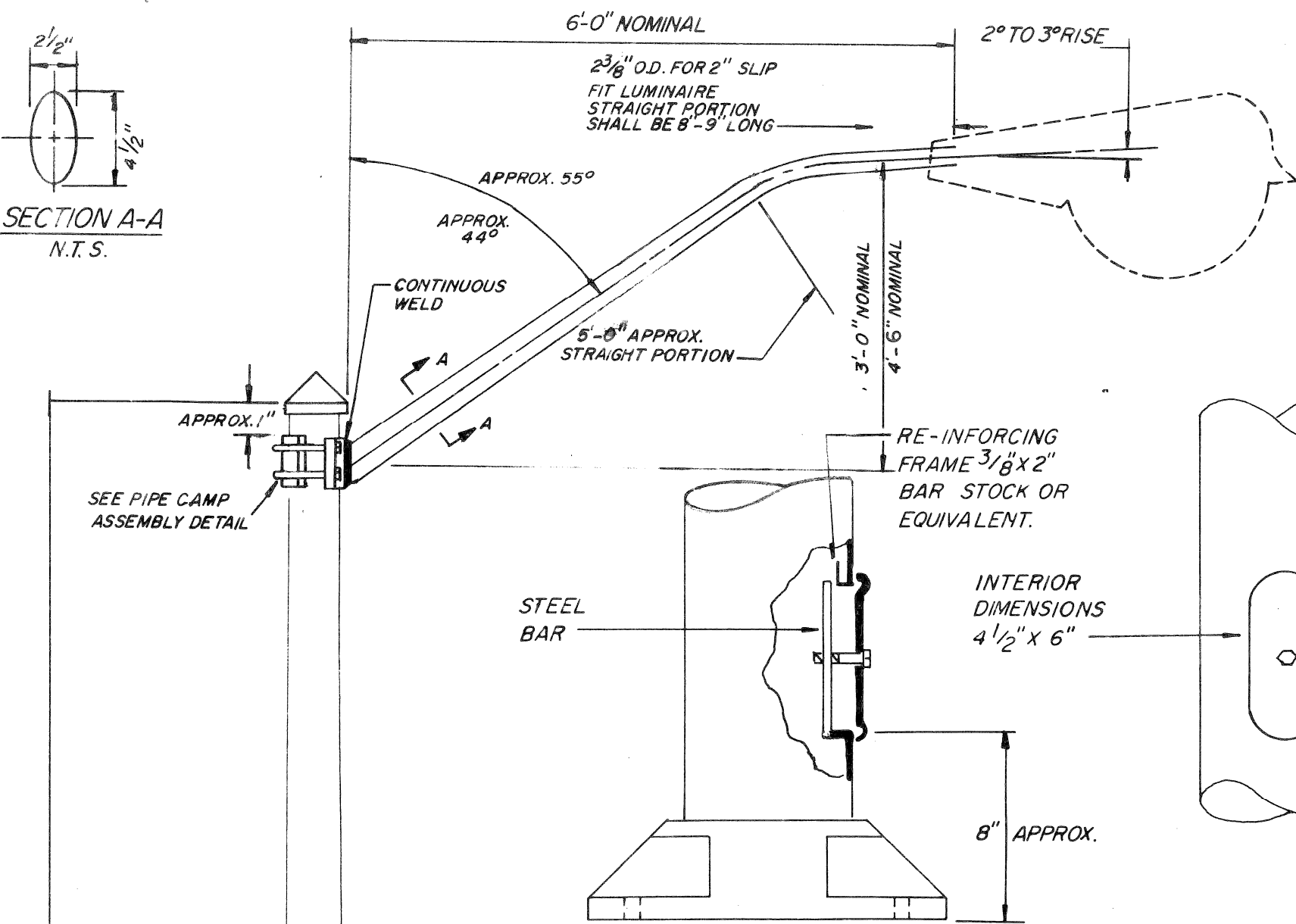
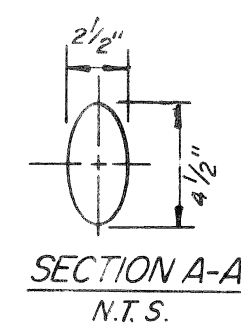
- NOTE:**
- STANDARD FOUNDATION FOR NEW 1 1/2" BOLT CIRCLE ST. LTG. STD.
  - WHERE OBSTRUCTIONS DO NOT ALLOW NORMAL FOUNDATION DEPTH, USE SPECIAL FOUNDATION TO SUIT FIELD CONDITIONS.
  - THERE SHALL BE NO EXTRA PAYMENT FOR SPECIAL FOUNDATION. (TO BE PAID FOR AS A NORMAL ST. LTG. STD. FDN. INSTALLATION.)

	A Ø	B	C	D	E	F	G	H Ø	I	J	K	M	N	L	W	T	P
CODE 009-06 ANCHOR BASE STD.	13 1/2"	9 9/16"	19 1/2"	14 1/8"	16 1/8"	21 3/8"	2'-6"	3"	VAR	3 3/8"	4"	2 3/4"	10 9/16"	5'-0"	4'-3"	12"	18"

**SPECIAL FOUNDATION**  
SCALE 1"=1'-0"

DATE	DESCRIPTION	CHKD. BY
		4

DRAWN BY <b>CEA</b> CHECKED BY APPROVED BY DATE	PLAN PREPARED BY CONSULTING ENGINEERING ASSOCIATES INC. ENGINEERING CONSULTANTS 16580 WYOMING DETROIT, MICH. 48221 FILE NO.	CHECKED BY APPROVED BY	PUBLIC LIGHTING COMMISSION CITY OF DETROIT	FILE NO. SHEET NO. DATE
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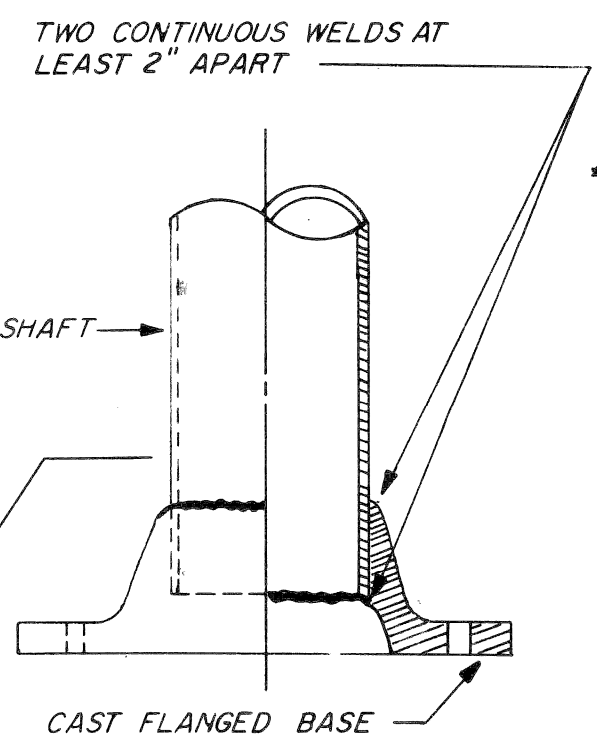
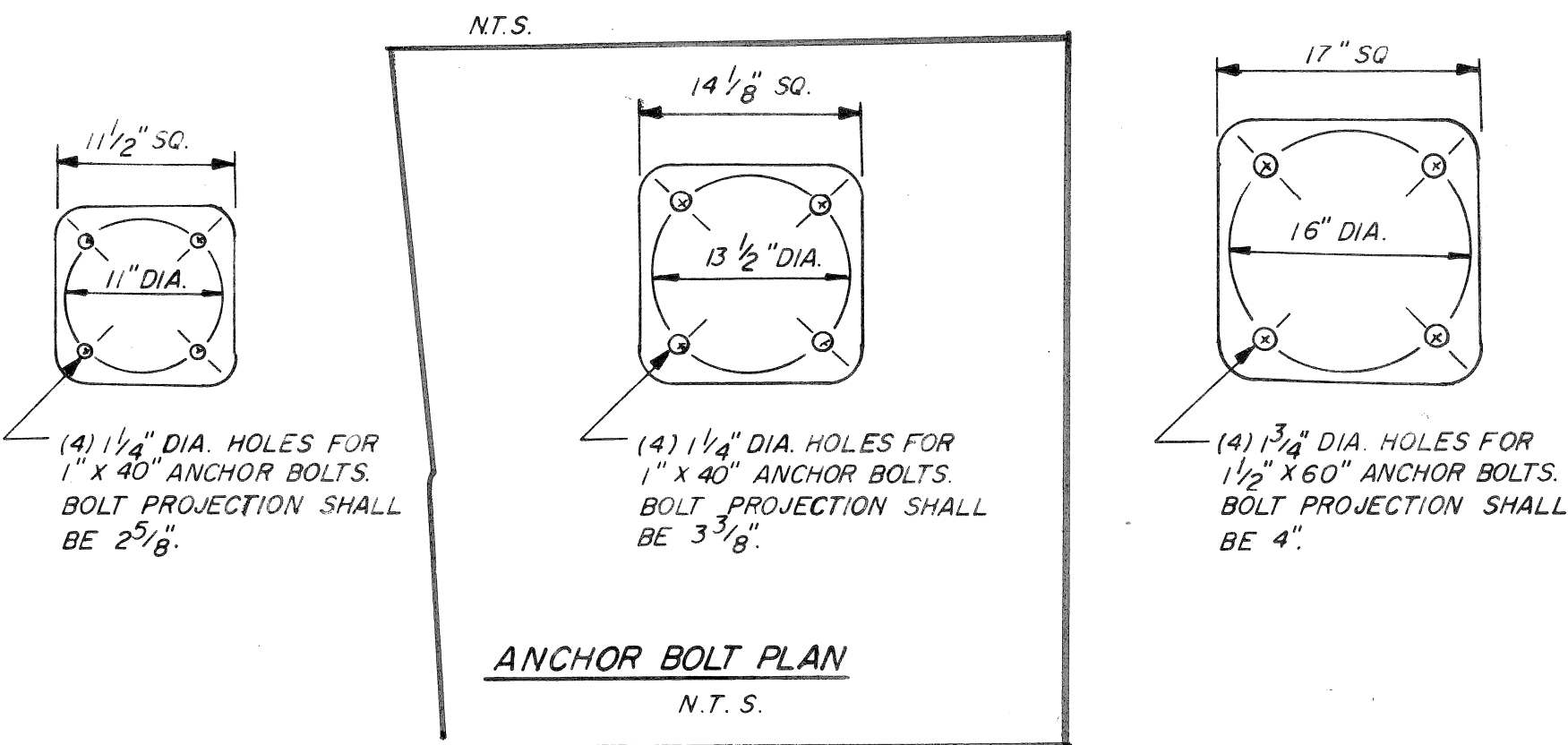


**NOTE:**  
BRACKET ARM TO BE CANTILEVER, HOT DIPPED GALVANIZED, OVAL SECTION HAVING A 3'-0" RISE OR 4'-6" RISE & 6'-0" SPREAD WITH ADJUSTABLE PIPE CLAMP FOR MOUNTING ON STEEL POLE. PROVIDE 1 1/2" HOLE IN CLAMP FOR WIRE ENTRANCE. BRACKET ARM SHALL HAVE SLIPFITTER END FOR MOUNTING LUMINAIRE.

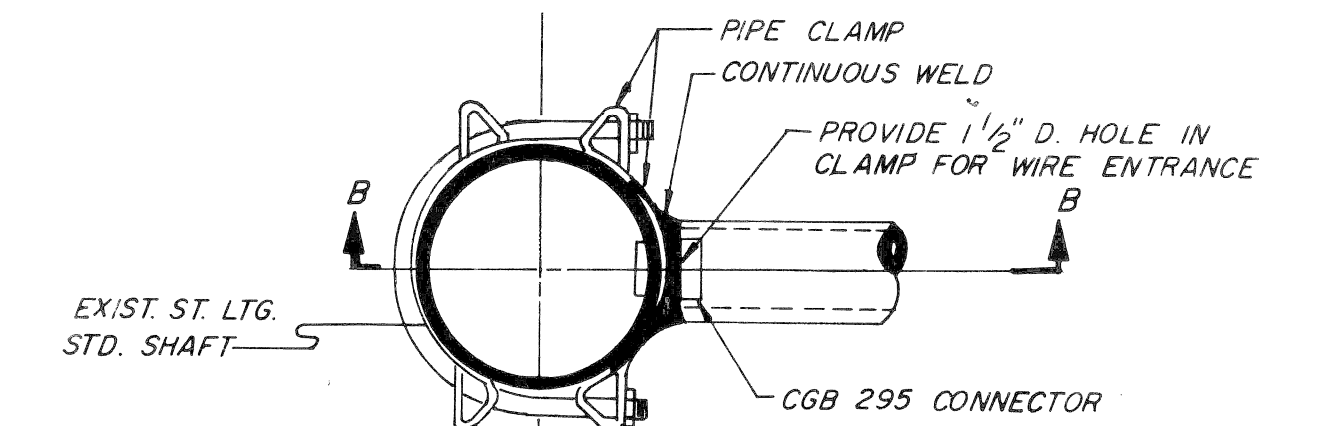
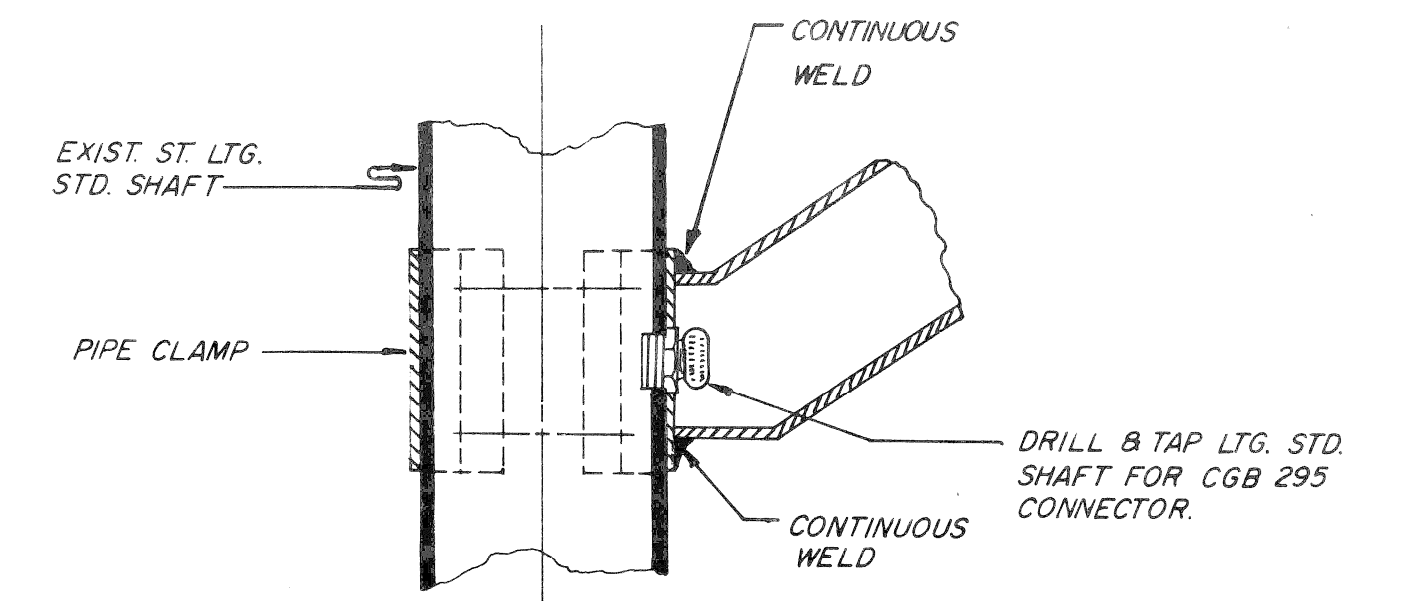
**NOTE:**  
A STANDARD 1/2" NUT FOR GROUNDING SHALL BE WELDED INSIDE SHAFT, READILY ACCESSIBLE THRU THE HANDHOLE.

STAINLESS STEEL HEX HEAD CAP SCREW, 1/4" - 20 MIN.

**SHAFT MODIFICATION "B"**



**NOTE:**  
THE CAST BASE SHALL BE FURNISHED WITH AIR VENTS. FABRICATED BASE IS ACCEPTABLE.



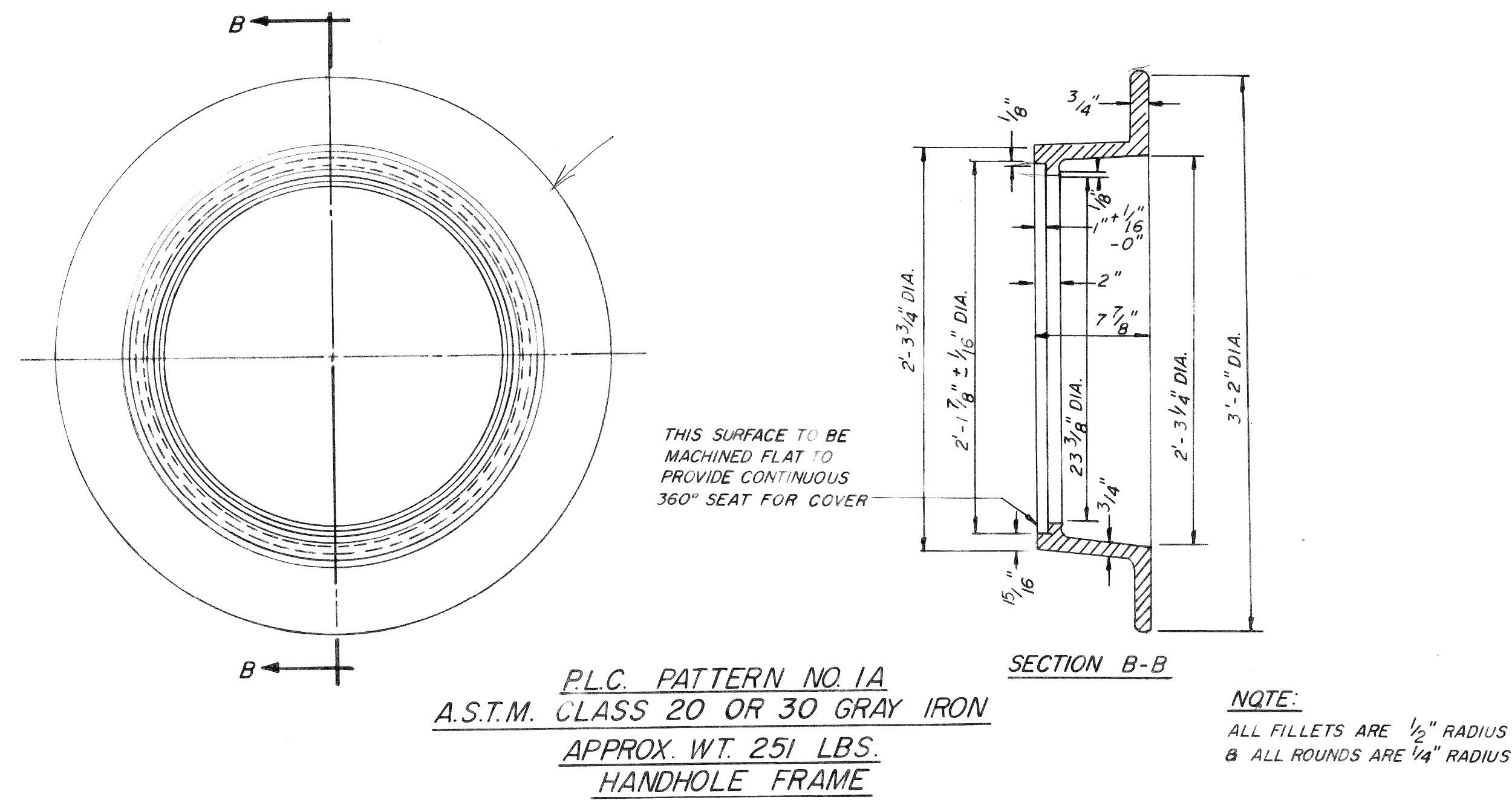
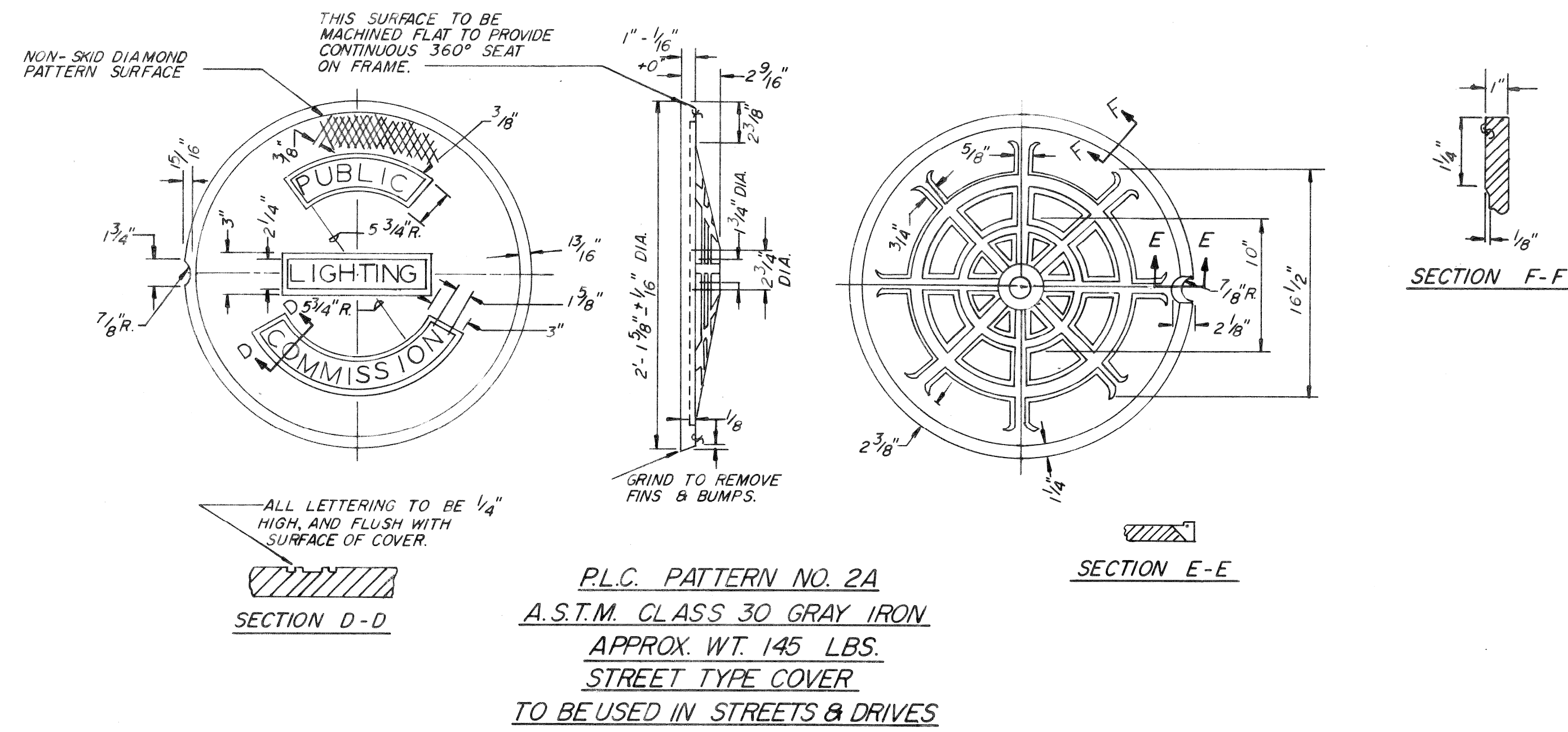
**NOTE:**  
EACH CLAMP SHALL BE FURNISHED WITH (2) 5/8" DIA. U-BOLTS OF SUITABLE LENGTH FOR CLAMP DIA. RANGE NUT & LOCK WASHERS.

**STREET LIGHTING STANDARD**  
N.T.S.

DATE	DESCRIPTION	CHKD. BY
		2

**ANCHOR BASE STREET LIGHTING STANDARD**  
DETAILS

DRAWN BY CEA	PLAN PREPARED BY CONSULTING ENGINEERING ASSOCIATES INC. ENGINEERING CONSULTANTS	DRAWN BY	<b>PUBLIC LIGHTING</b> <b>COMMISSION</b> CITY OF DETROIT	FILE NO.
CHECKED BY	16580 WYOMING DETROIT, MICH. 48221	CHECKED BY		SHEET NO.
APPROVED BY		APPROVED BY		DATE
DATE	DRWG. NO.	FILE NO.		

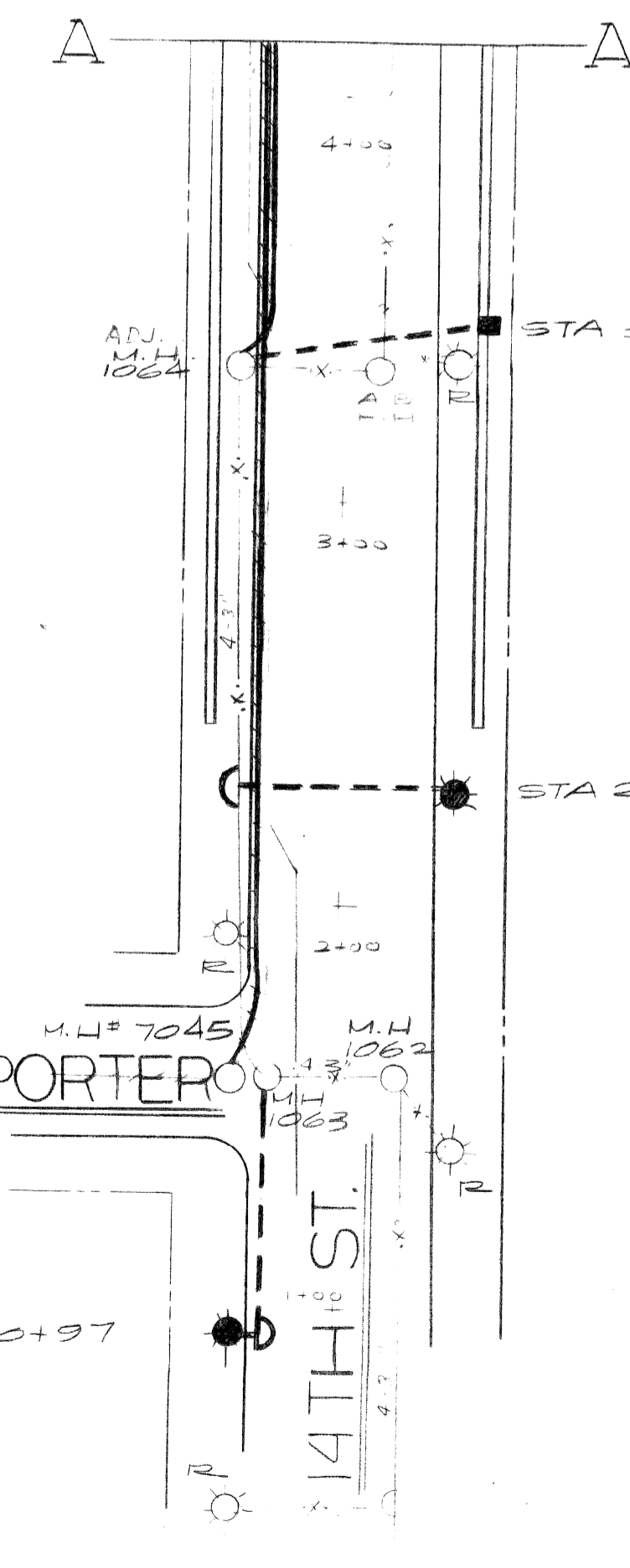
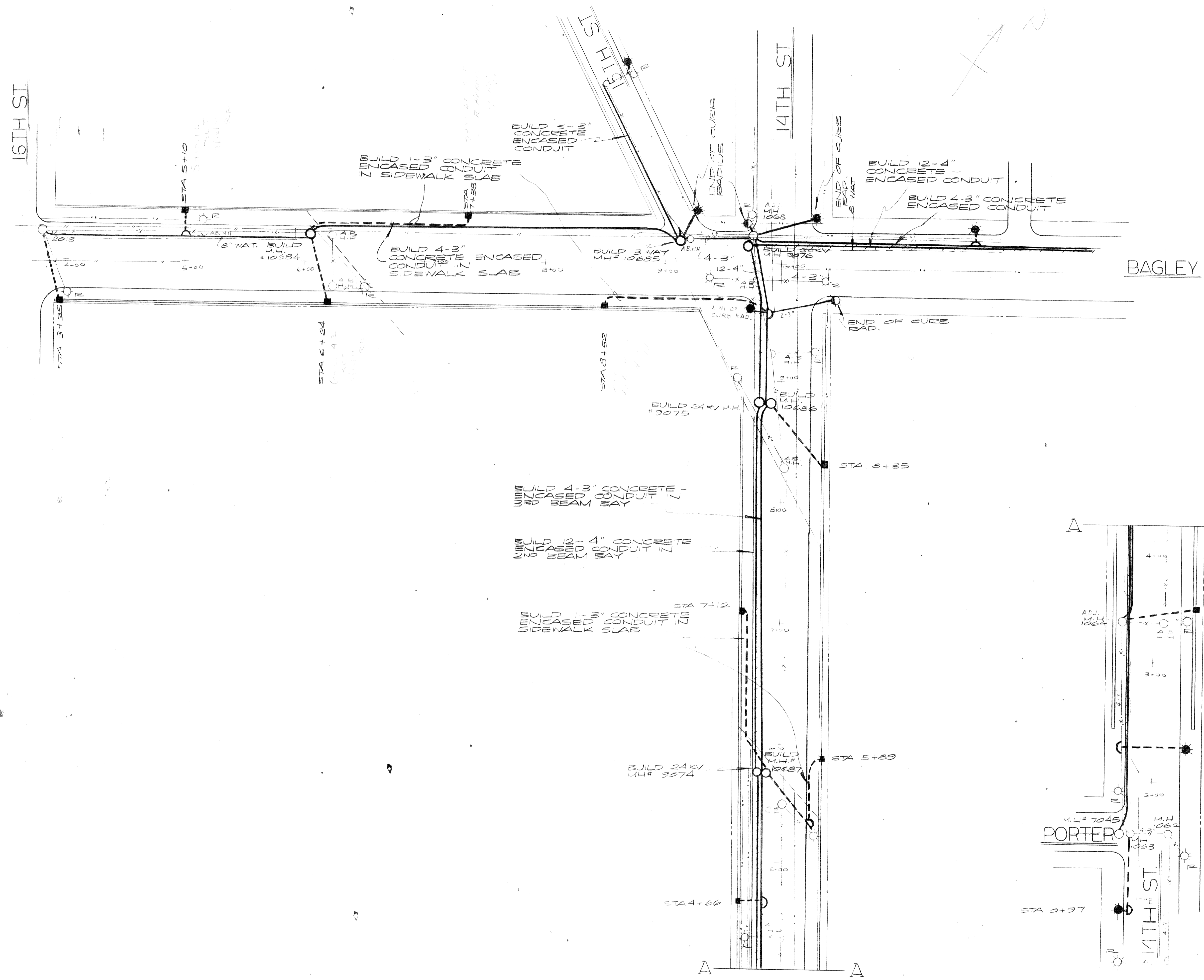


NOTE  
 FRAMES MAY BE A.S.T.M. CLASS 30 GRAY IRON IF THE CONTRACTOR SO ELECTS.

DATE	DESCRIPTION	CHKD. BY
		14

HANDHOLE FRAMES & COVERS  
 DETAILS

DRAWN BY CEA CHECKED BY APPROVED BY DATE	PLAN PREPARED BY CONSULTING ENGINEERING ASSOCIATES INC. ENGINEERING CONSULTANTS 16580 WYOMING DETROIT, MICH. 48221	DRAWN BY CHECKED BY APPROVED BY	PUBLIC LIGHTING COMMISSION CITY OF DETROIT	FILE NO. SHEET NO. DATE
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**FOUNDATION NOTE**  
 BRIDGE PARAPET FOUNDATIONS TO BE MECHANICALLY EQUIVALENT TO FDN #43-0350-4. LEVEL PAD AT SIDEWALK ELEVATION TO BE 2'x12' MINIMUM. ANCHOR BOLTS TO BE GALVANIZED STEEL 1" ROUND SET ON 11" DIAMETER BOLT CIRCLE WITH 2 3/4" BOLT PROJECTION. A#2 STRANDED GROUND WIRE SHALL EXTEND 18" ABOVE THE FOUNDATION. THE GROUND WIRE SHALL BE CONNECTED TO A SUITABLE GROUND BENEATH THE FDN. GROUND ROD OR STRUCTURAL STEEL.

- LEGEND**
- BUILD FOUNDATION IN BRIDGE PARAPET OR RETAINING WALL (SEE FOUNDATION THIS SHEET)
  - ⊙ BUILD LIGHTING STD. FDN. PER DWG# 43-0353
  - ⊙ BUILD COMBINATION FDN. PER DWG# 43-0356
  - ⊙ BUILD TS CONTROLLER FDN. PER DWG# 43-0356
  - REM. EXIST. ST LTB. FDN. & STD
  - BUILD CONCRETE- ENCASED PVC CONDUIT NUMBER & SIZE AS NOTED.
  - - - BUILD 1-3" CONCRETE ENCASED PVC CONDUIT
  - ⊙ BUILD 1 2WAY MANHOLE
  - ⊙ BUILD TYPE D" HANDHOLE
  - x - EXISTING CONDUIT TO REMAIN
  - - - EXISTING CONDUIT TO BE ABANDONED
  - ADJ. M.H. ADJ. M.H. ADJUST EXISTING MANHOLE OR HANDHOLE TO NEW GRADE
  - AB. M.H. AB. M.H. ABANDON EXISTING M.H. OR H.H.

SCALE 1"=30'

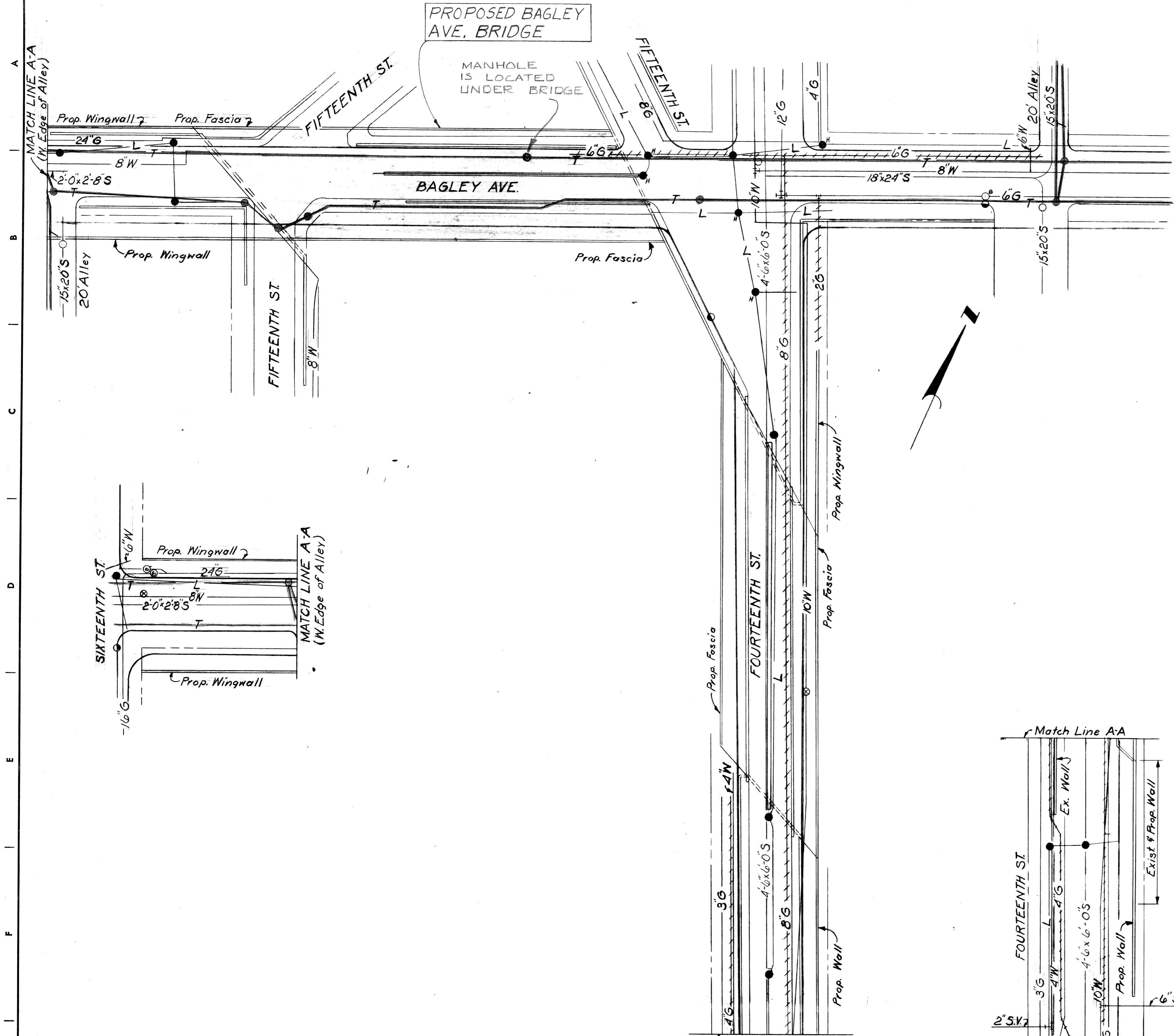
DATE	DESCRIPTION	CHKD. BY

PLC. UNDERGROUND FACILITIES  
 BAGLEY & 14TH ST. BRIDGES

DRAWN BY RME	FILE NO. 51-0452
CHECKED BY GJ	SHEET NO. 28
APPROVED BY	DATE 7-7-71

**PUBLIC LIGHTING COMMISSION**  
 CITY OF DETROIT

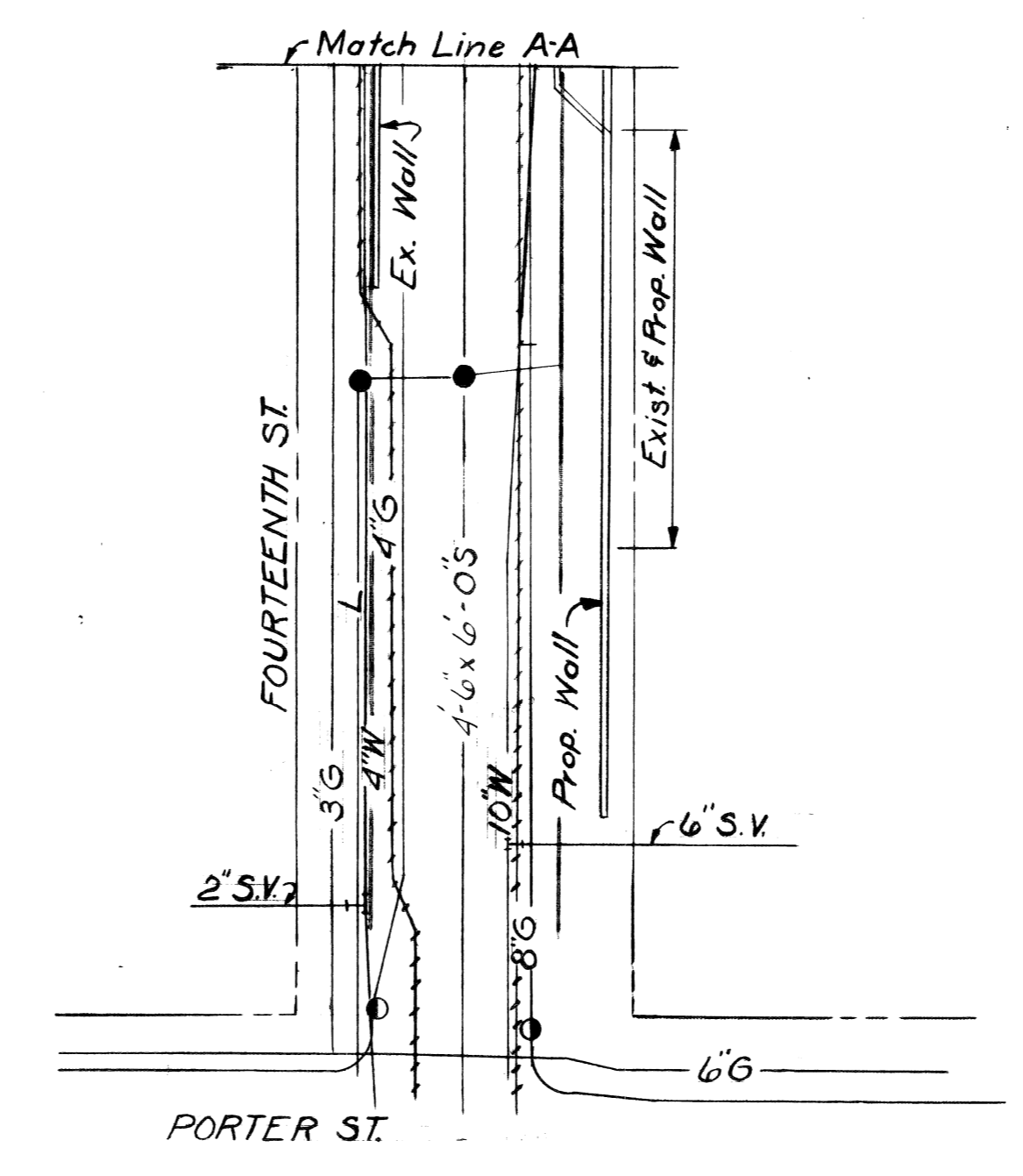




**-LEGEND-**

UTILITY	EXISTING	DELETE OR ABANDONED	NEW WORK BY OTHERS	NEW WORK BY CONTRACTOR
DETROIT WATER DEPARTMENT	—W—			
CITY OF DETROIT SEWERS	—S—			
MICHIGAN CONSOLIDATED GAS CO.	—G—	++++G++++		
MICHIGAN BELL TELEPHONE CO.	—T—			
PUBLIC LIGHTING COMMISSION	—L—			

**SITUATION PLAN**  
Scale: 1"=40'



*12 Ducts Requested in Bagley Location to be selected*

MBT Co  
Acknowledgement  
of their ducts  
Rec'd  
2-2-71

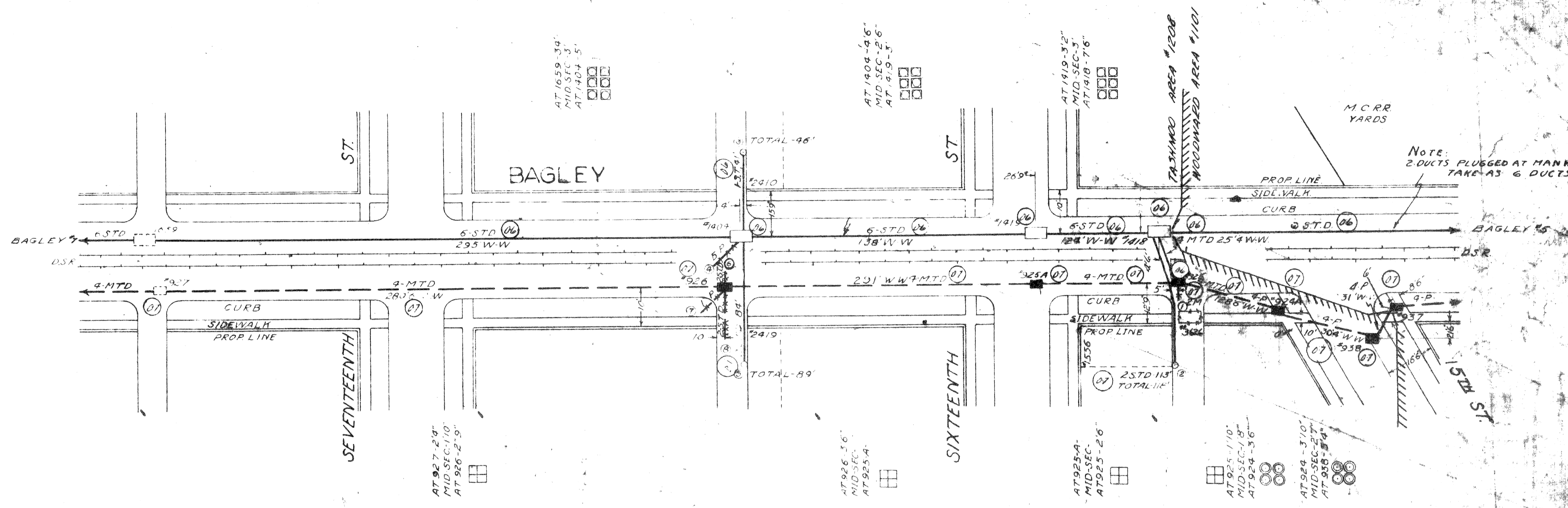
PRELIMINARY PLAN "A" DATED: 3-1-71

<table border="1"> <tr> <th>COORD</th> <th>DESCRIPTION</th> <th>DRN</th> <th>CKD</th> <th>APVD</th> <th>DATE</th> </tr> <tr> <td colspan="6">REVISIONS LOCATED BY COORDINATES ON SHEET</td> </tr> </table>	COORD	DESCRIPTION	DRN	CKD	APVD	DATE	REVISIONS LOCATED BY COORDINATES ON SHEET						REFERENCE DRAWINGS DESIGNED BY DRAWN BY TRACED BY CHECKED BY	DESIGNED BY DRAWN BY TRACED BY CHECKED BY	APPROVED: CITY ENGINEER	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR DETROIT HOUSING COMMISSION	WEST SIDE INDUSTRIAL REHABILITATION PROJECT N <sup>o</sup> 2 BAGLEY AVE. BRIDGE CROSSING THE P.C.R.R. EXISTING UTILITIES AND PROPOSED ALTERATIONS	SHEET 5 OF 5 SHEETS JOB N <sup>o</sup> A01676C DRWG NO. DATE 11/19/70
	COORD	DESCRIPTION	DRN	CKD	APVD	DATE												
	REVISIONS LOCATED BY COORDINATES ON SHEET																	
	DESIGNED BY DRAWN BY TRACED BY CHECKED BY	DESIGNED BY DRAWN BY TRACED BY CHECKED BY	APPROVED: CITY ENGINEER	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR DETROIT HOUSING COMMISSION	WEST SIDE INDUSTRIAL REHABILITATION PROJECT N <sup>o</sup> 2 BAGLEY AVE. BRIDGE CROSSING THE P.C.R.R. EXISTING UTILITIES AND PROPOSED ALTERATIONS	SHEET 5 OF 5 SHEETS JOB N <sup>o</sup> A01676C DRWG NO. DATE 11/19/70												
DESIGNED BY DRAWN BY TRACED BY CHECKED BY	DESIGNED BY DRAWN BY TRACED BY CHECKED BY	APPROVED: CITY ENGINEER	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR DETROIT HOUSING COMMISSION	WEST SIDE INDUSTRIAL REHABILITATION PROJECT N <sup>o</sup> 2 BAGLEY AVE. BRIDGE CROSSING THE P.C.R.R. EXISTING UTILITIES AND PROPOSED ALTERATIONS	SHEET 5 OF 5 SHEETS JOB N <sup>o</sup> A01676C DRWG NO. DATE 11/19/70													
DESIGNED BY DRAWN BY TRACED BY CHECKED BY	DESIGNED BY DRAWN BY TRACED BY CHECKED BY	APPROVED: CITY ENGINEER	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR DETROIT HOUSING COMMISSION	WEST SIDE INDUSTRIAL REHABILITATION PROJECT N <sup>o</sup> 2 BAGLEY AVE. BRIDGE CROSSING THE P.C.R.R. EXISTING UTILITIES AND PROPOSED ALTERATIONS	SHEET 5 OF 5 SHEETS JOB N <sup>o</sup> A01676C DRWG NO. DATE 11/19/70													

**WOODWARD TASHMOO 6 - BAGLEY**

FROM M.C.R.R.  
TO SEVENTEENTH  
DETROIT, MICHIGAN

IN EFFECT 3-28-28  
CORRECTED POSTED  
11-1-29  
SEE APPENDIX 1-23-28



**MANHOLES**

MAN. NO.	TYPE	INSIDE DIMENSIONS (L x W x H)	MIN. OPEN	SHAPE	RECENT DATE	DEPTH	FOUNDATION	INVERT	THICKNESS	COVER	WEIGHT	SURFACE OVER MANHOLE	DEPTH	DATE	REMARKS
937	YE	3'x5'2"x10'	36x36	□	11.5'	CON	CON	CON	□	CON	SUMP	3-21-28	FROM FIELD		
938	BE	5'x5'6"x5'8"	30"	□	7.3'	CON	CON	CON	○	BRICK	SUMP	3-21-28	FROM FIELD		
929	BE	5'x5'6"x5'8"	30"	□	6.8'	CON	CON	CON	○	CON	SUMP	3-21-28	FROM FIELD		
925	AE	6'x6'8"x4'6"	30"	□	6'	BRICK	CON	CON	○	BRICK	SUMP	3-21-28	FROM FIELD		
1418	BE	5'x3'6"x7'6"	27"	□	9.5'	BRICK	TRAIL	CON	○	BRICK	SUMP	3-21-28	FROM FIELD		
1419	YE	5'6'x3'6"x3'6"	24"	□	5.10'	BRICK	TRAIL	CON	○	BRICK	SUMP	3-21-28	FROM FIELD		
925A														UNDER W.B.L.H. 3-21-28	
926	YE	3'x7'x7'1"	27"	□	5.11'	BRICK	GIRON	CON	○	W.B.L.H.	SUMP	3-21-28	FROM FIELD		
1404	YE	5'x5'8"x7'0"	27"	□	6.5'	BRICK	TRAIL	CON	○	W.B.L.H.	SUMP	3-21-28	FROM FIELD		

**MAIN CONDUIT**

FROM MAN. NO.	TO WALL MAN. NO.	ORIGINAL BUR.	PAVEMENT BUR.	CONDUIT BUR.	EXCHANGE SURFACE	DATE	REMARKS
927	926	W.B.L.H.	28'0"	28'0"	3-28-28	3-28-28	SUR FROM FIELD
926	925A				3-28-28	3-28-28	MINUTELY LOCATE MAN. 925A
925A	925				29'4"	3-28-28	MINUTELY LOCATE MAN. 925A
925	924	BRICK CON.	100' 28'0"	128'6"	3-28-28	3-28-28	SUR FROM FIELD
924	938	BRICK CON.	24'4"	30'4"	3-28-28	3-28-28	
938	937	BRICK CON.	15' 18'	31'	3-28-28	3-28-28	
925	1418	BRICK CON. W.B.L.H.	9' 17' 4'4"	25'4"	3-28-28	3-28-28	
1418	1419	W.B.L.H.	124'	124'	3-28-28	3-28-28	
1419	1404	W.B.L.H.	138'	138'	3-28-28	3-28-28	
1404	1659	W.B.L.H.	295'	295'	3-28-28	3-28-28	

**LATERALS**

MAN. NO.	LAT. NO.	ORIGINAL PAVEMENT SURFACE	BASE	LENGTH	TYPE	LENGTH	POLE NO.	POLE P.P.S.	SEWER TILE	IRON PIPE	BENDS	BENDS	DATE	REMARKS
926	7	BRICK CON. CTRN. W.B.L.H.	20'	77'	5'	118'	1						3-28-28	ABANDONED 12-31-29
1418	2	DIRT W.B.L.H.	24'	171'	5'	96'	1						3-28-28	ABANDONED 12-31-29
1404	4	CON. CTRN. W.B.L.H.	27' 17' 20'	89'			1						3-28-28	ABANDONED 12-31-29
1404	5	CON. CTRN. W.B.L.H.	27' 17' 20'	89'			1						3-28-28	ABANDONED 12-31-29
926	6												3-28-28	ABANDONED 12-31-29
926	7												3-28-28	ABANDONED 12-31-29
926	8												3-28-28	ABANDONED 12-31-29

**OWNERSHIP OF CONDUIT**

FROM MAN. NO.	TO MAN. NO.	PROPERTY OF	TOTAL NO. OF DUCTS	NO. FOR FIRE	DUCTS & PERCENTAGE OF CONDUIT RESERVED FOR	FILE NO.
1404	1659		0	0		

**OWNERSHIP OF MANHOLES**

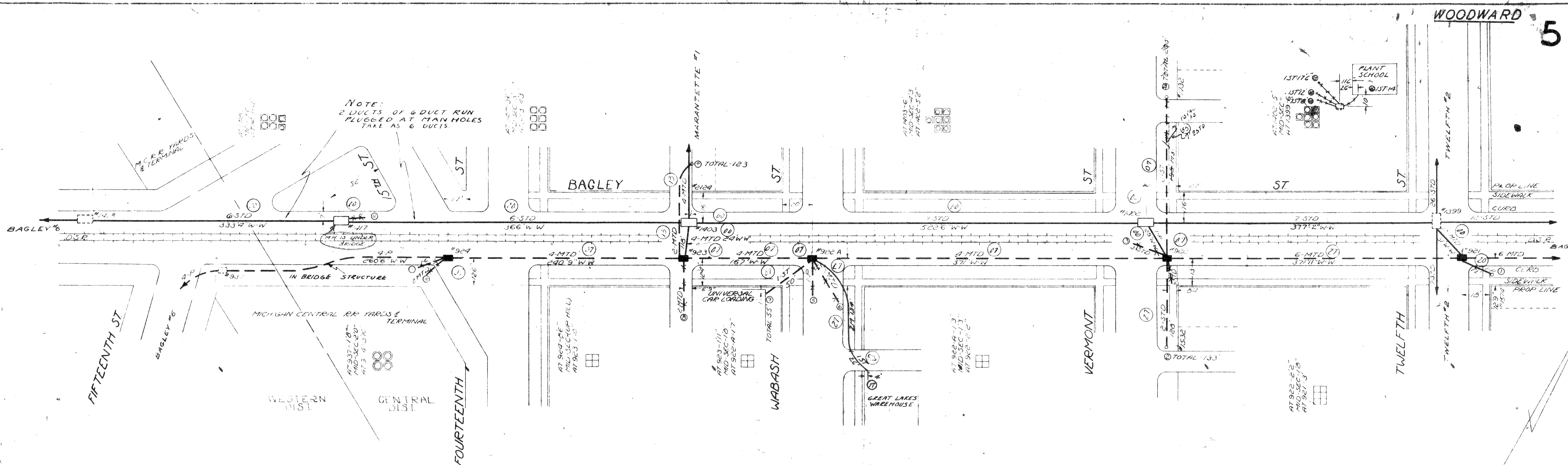
MAN. NO.	TOTAL NO. FROM CONDUIT	NO. OF DUCTS RESERVED FOR FIRE	PERCENTAGE OF CONDUIT RESERVED FOR FIRE	FILE NO.
1418	2	2	100%	1418
1419	0	0	0%	1419
1404	0	0	0%	1404

# 5 - BAGLEY AV

FROM TWELFTH ST  
TO M.C.R.R.  
DETROIT, MICHIGAN  
IN EFFECT 3-20-28

CORRECTED JO 2949  
JO 1367  
POSTED CAW  
CAY  
KB-0099

UNLAWFULLY OWNED  
L.L.D. & S.T. CO.  
WARD 4 COPIES TO  
ENGINEER & TO V.L. LINE ENDR  
FOR REVISIONS



### MAN HOLES

M.H. NO.	TYPE	INSIDE DIMENSIONS L.W. - H.DRM.	M.H. OPEN	SHAPE	RECEIVED AT	TOTAL DEPTH	REIN. & THICKNESS	INTER. COVER	WT. LBS.	NO. OF COVERS	SUR. OVER M.H.	DEPIN DATE	REMARKS
921	AE	60" x 31.5"	30	○	BRICK	6.9	BRICK	TRIAL			BRICK SUMP	3-20-28	IN BRIDGE STRUCTURE
922	A	6' x 36' x 56"	27	○	BRICK	7.0	CON				BRICK SUMP		IN BRIDGE STRUCTURE
1402	YE	5' x 36' x 56"	26	○	BRICK	7.0	CON				BRICK SUMP		IN BRIDGE STRUCTURE
922-A	A	6' x 36' x 56"	30	○	BRICK	7	CON				BRICK SUMP		IN BRIDGE STRUCTURE
923	A	6' x 36' x 56"	27	○	BRICK	7	CON				BRICK SUMP		IN BRIDGE STRUCTURE
1403	BE	56" x 40" x 46"	30	○	BRICK	6.8	CON				BRICK SUMP		IN BRIDGE STRUCTURE
924	BE	5'10" x 36" x 57"	30	○	BRICK	10.7	CON				BRICK SUMP		IN BRIDGE STRUCTURE
1417	BE	5' x 24"	30	○	BRICK	6	TRIAL				BRICK SUMP		IN BRIDGE STRUCTURE
PLANT SCHOOL M.H. B	B	6' x 36' x 47"	27	□	BRICK	6.3	TRIAL CON				DIRT SUMP	10-7-24	ABANDONED

### MAIN CONDUIT

FROM M.H. NO.	TO M.H. NO.	ACCT. CLASSIFICATION	EXCHANGE	ORIGINAL PAVEMENT SURFACE	LENGTH	DATE	REMARKS
921	922	BRICK CON	CON	CON	300	3-20-28	SUR. FROM FIELD
922	923	BRICK CON	CON	CON	28.9	12-31-27	
923	1403	BRICK CON	CON	CON	17		
923	922-A	BRICK CON	CON	CON	16.7		
922-A	922	BRICK CON	CON	CON	355		
922-A	922	BRICK CON	CON	CON	10		
922	1400	BRICK CON	CON	CON	20		
922	921	BRICK CON	CON	CON	37.1		
922	921	BRICK CON	CON	CON	37.1		
1399	1400	BRICK CON	CON	CON	15		
1399	1400	BRICK CON	CON	CON	362.2		377.2
1400	1403	BRICK CON	CON	CON	522.6		522.6
1400	1403	BRICK CON	CON	CON	300		366
1403	1417	BRICK CON	CON	CON	112.4		333.7
1417	1415	BRICK CON	CON	CON	9		31
1399	921	BRICK CON	CON	CON	9		31

### LATERALS

M.H. NO.	LAT. NO.	ORIGINAL PAVEMENT SURFACE	LENGTH	DATE	REMARKS
921	1	BRICK CON	7		FIRE BOX SUR. FROM FIELD
922	2	BRICK CON	13.3		ABANDONED 12-31-27
922	3	BRICK CON	20.3		ABANDONED 12-31-27
922	4	BRICK CON	20.3		ABANDONED 12-31-27
922-A	5	BRICK CON	55		ABANDONED 12-31-27
922-A	6	BRICK CON	55		ABANDONED 12-31-27
922-A	7	BRICK CON	55		ABANDONED 12-31-27
923	8	BRICK CON	123		ABANDONED 12-31-27
923	9	BRICK CON	123		ABANDONED 12-31-27
924	10	BRICK CON	123		ABANDONED 12-31-27
924	11	BRICK CON	123		ABANDONED 12-31-27
1417	12	BRICK CON	123		ABANDONED 12-31-27

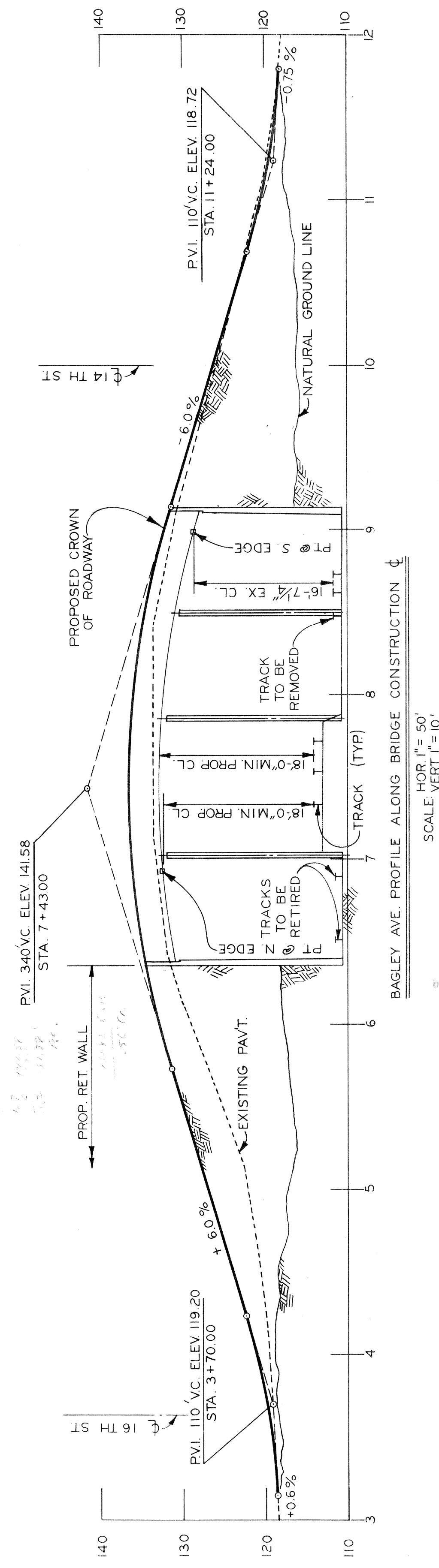
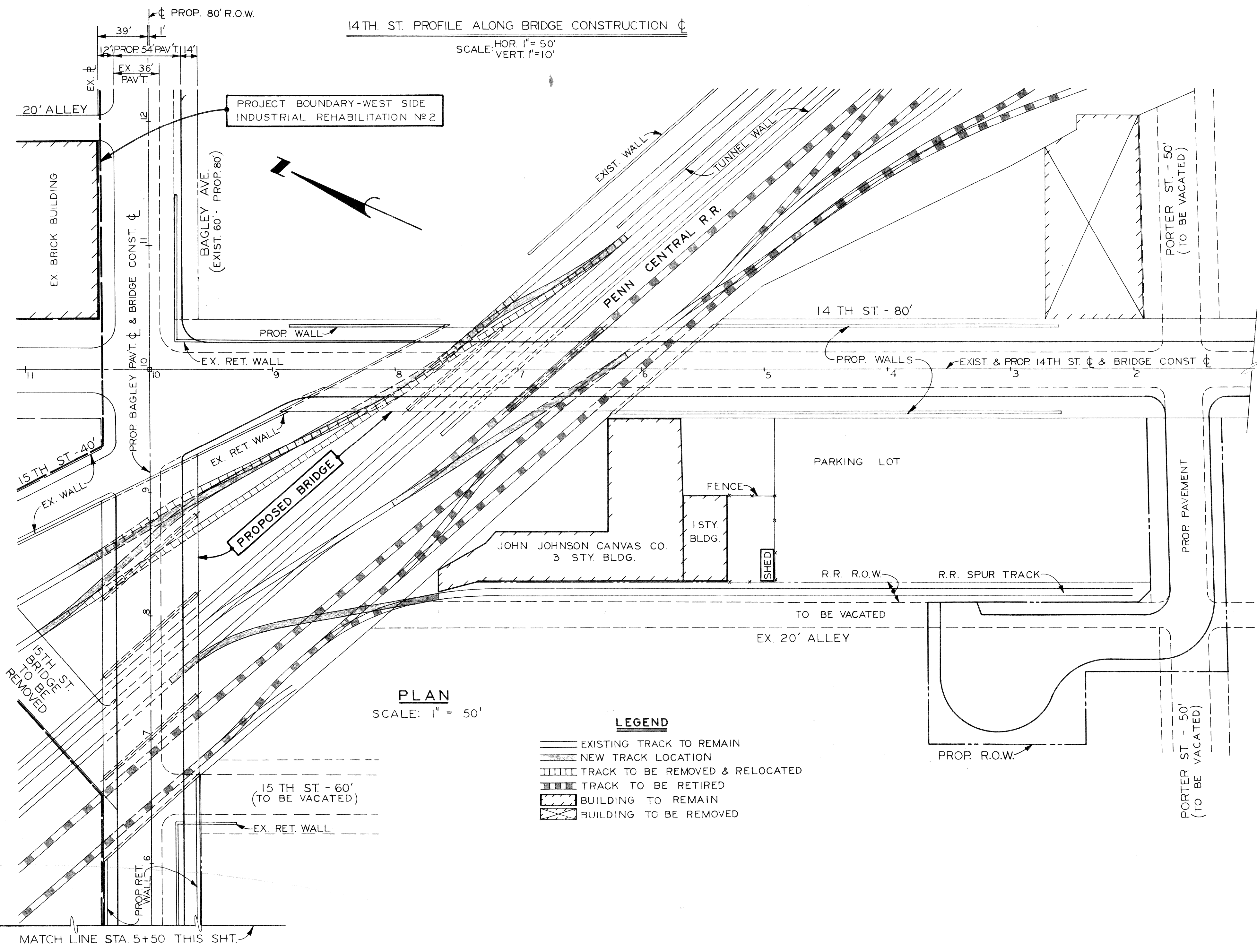
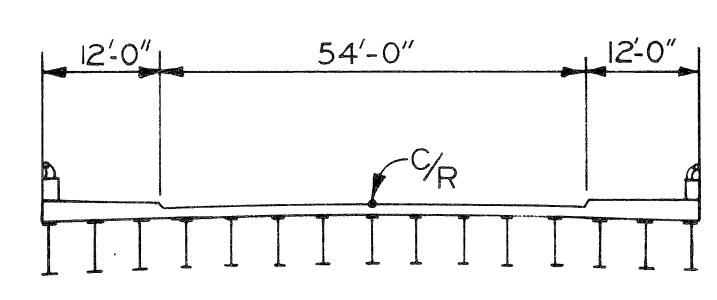
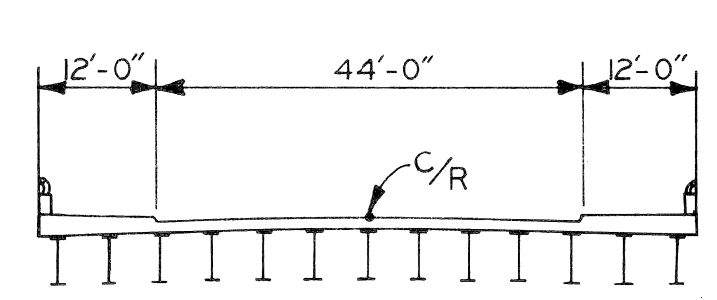
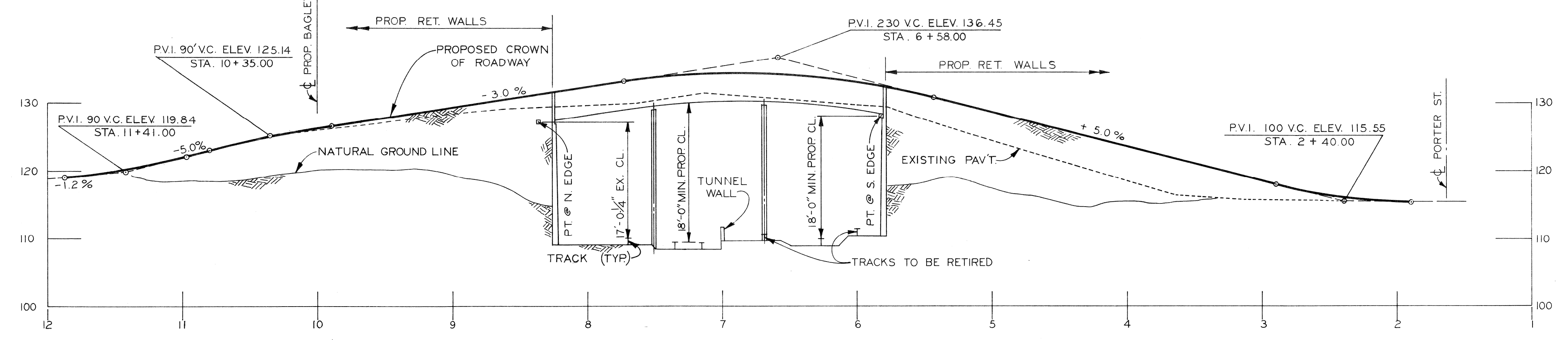
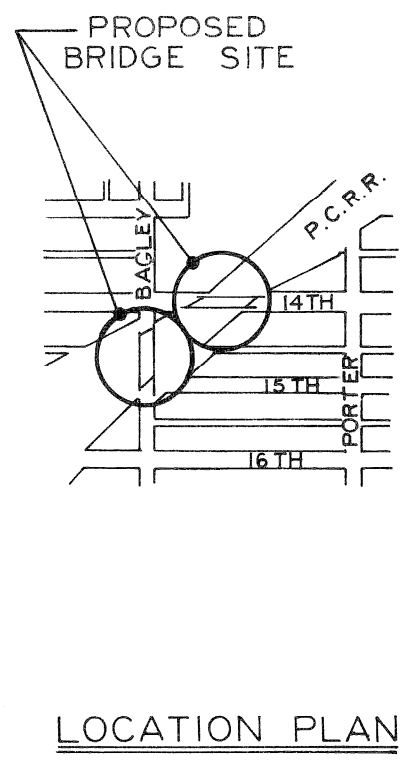
### OWNERSHIP OF CONDUIT

FROM M.H. NO.	TO M.H. NO.	PROPERTY OF	TOTAL NO. OF DUCTS	NO. FOR FIRE	NO. FOR EMERGENCY	DUCTS & PERCENTAGE OF CONDUIT RESERVED FOR AMERICAN MICH. CO.	FILE NO.	DATE	EST. NO.
921	922	AMERICAN MICH. CO.	1	1	0	100%			
922	923	AMERICAN MICH. CO.	1	1	0	100%			
923	1403	AMERICAN MICH. CO.	1	1	0	100%			
923	922-A	AMERICAN MICH. CO.	1	1	0	100%			
922-A	922	AMERICAN MICH. CO.	1	1	0	100%			
922-A	922	AMERICAN MICH. CO.	1	1	0	100%			
922	1400	AMERICAN MICH. CO.	1	1	0	100%			
922	921	AMERICAN MICH. CO.	1	1	0	100%			
1399	1400	AMERICAN MICH. CO.	1	1	0	100%			
1400	1403	AMERICAN MICH. CO.	1	1	0	100%			
1403	1417	AMERICAN MICH. CO.	1	1	0	100%			
1417	1415	AMERICAN MICH. CO.	1	1	0	100%			
1399	921	AMERICAN MICH. CO.	1	1	0	100%			

### LATERALS

M.H. NO.	LAT. NO.	ORIGINAL PAVEMENT SURFACE	LENGTH	DATE	REMARKS
PLANT SCHOOL M.H. B	14	DIRT	12		ABANDONED 10-7-24
PLANT SCHOOL M.H. B	15	DIRT	17.6		ABANDONED 10-7-24
PLANT SCHOOL M.H. B	16	DIRT	17.6		ABANDONED 10-7-24
922-A	17	WALK	16		ABANDONED 10-7-24

BAGLEY 5

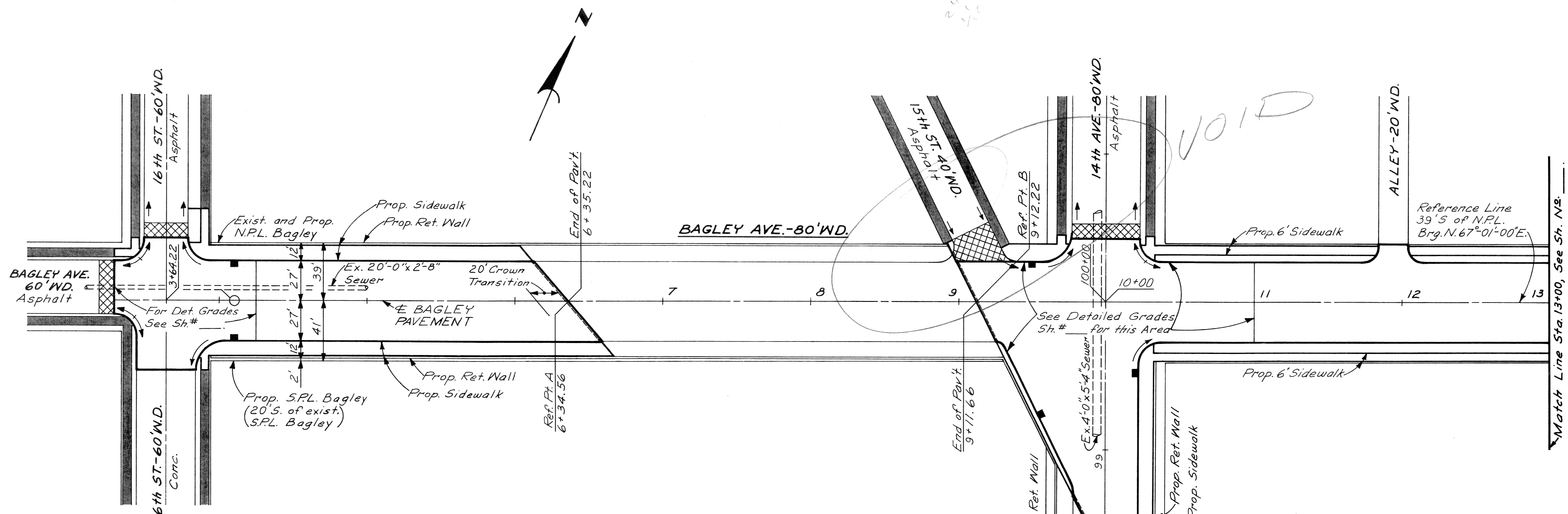


DESIGNED BY	M. A. P.
DRAWN BY	M. A. P.
TRACED BY	
CHECKED BY	G. J. H.
APPROVED:	
CITY ENGINEER	

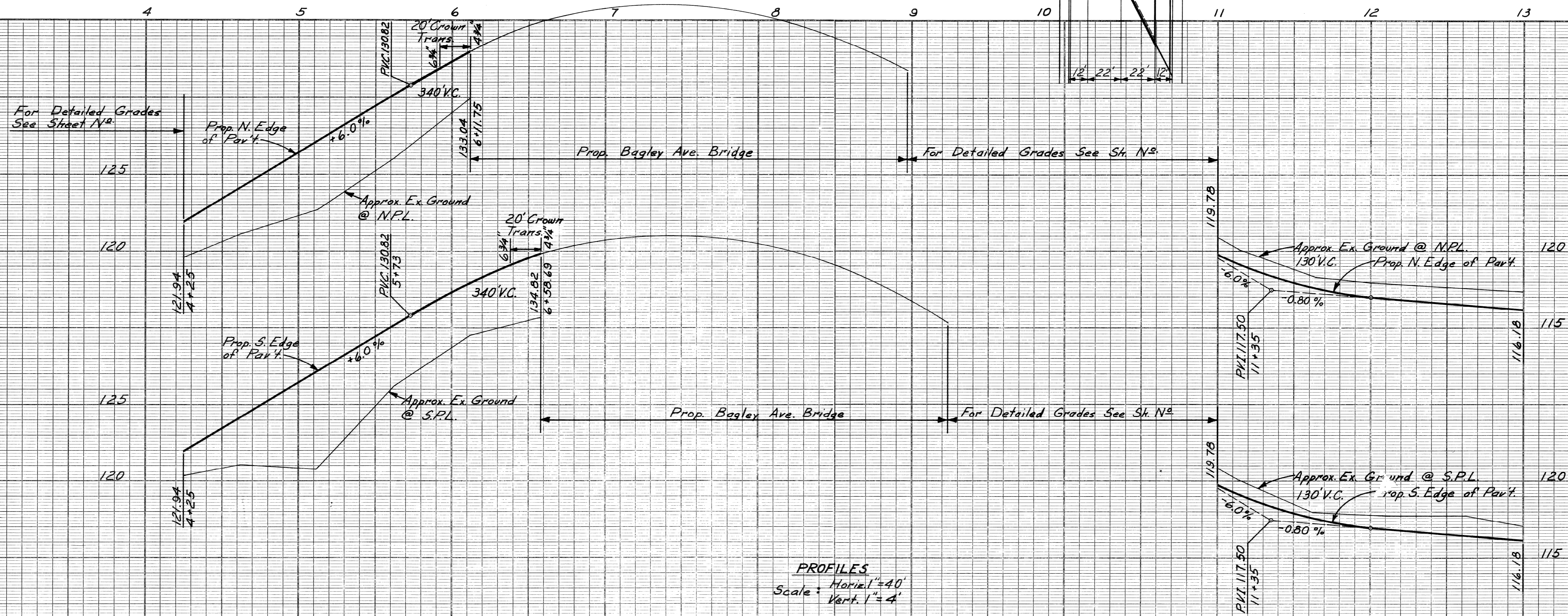
CITY OF DETROIT  
 DEPARTMENT OF PUBLIC WORKS  
 CITY ENGINEERS OFFICE  
 FOR  
 DETROIT HOUSING COMMISSION

WEST SIDE INDUSTRIAL REHABILITATION PROJECT No 2  
 14TH ST. & BAGLEY AVE. BRIDGES CROSSING THE P.C.R.R.  
 GENERAL DRAWING

SHEET 1 OF 1 SHEETS
CONTRACT No.
DRWG. No.
DATE 9-22-70



PLAN  
Scale: 1" = 40'



PROFILES  
Horiz. 1" = 40'  
Scale: Vert. 1" = 4'

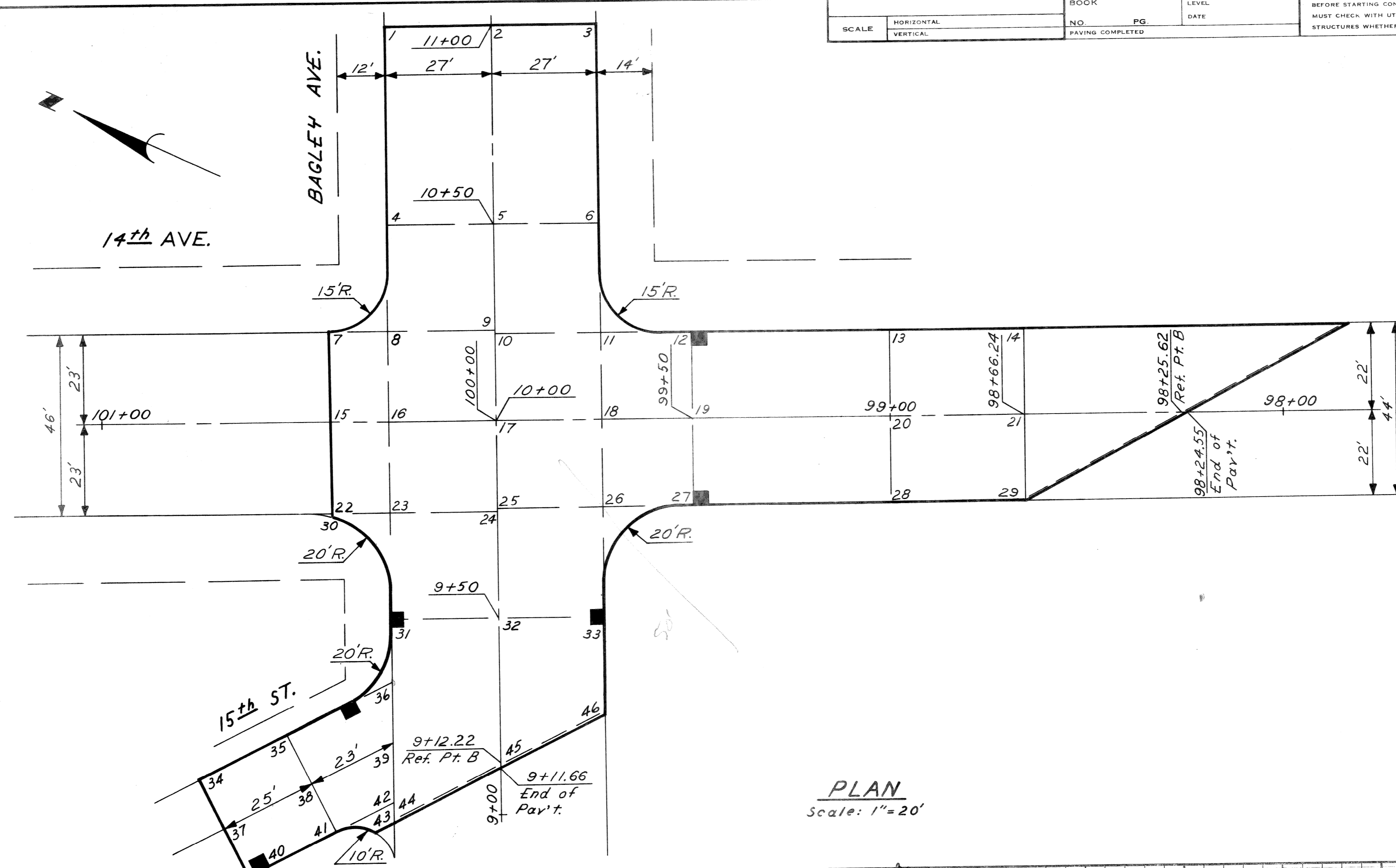
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REVISIONS	PLAN	GRADE	ENGINEER OF STREETS
	ESTIMATE		ADMINISTRATIVE ENGINEER
	FINAL		HEAD CIVIL ENGINEER

CITY OF DETROIT  
DEPARTMENT OF PUBLIC WORKS  
CITY ENGINEERS OFFICE  
FOR

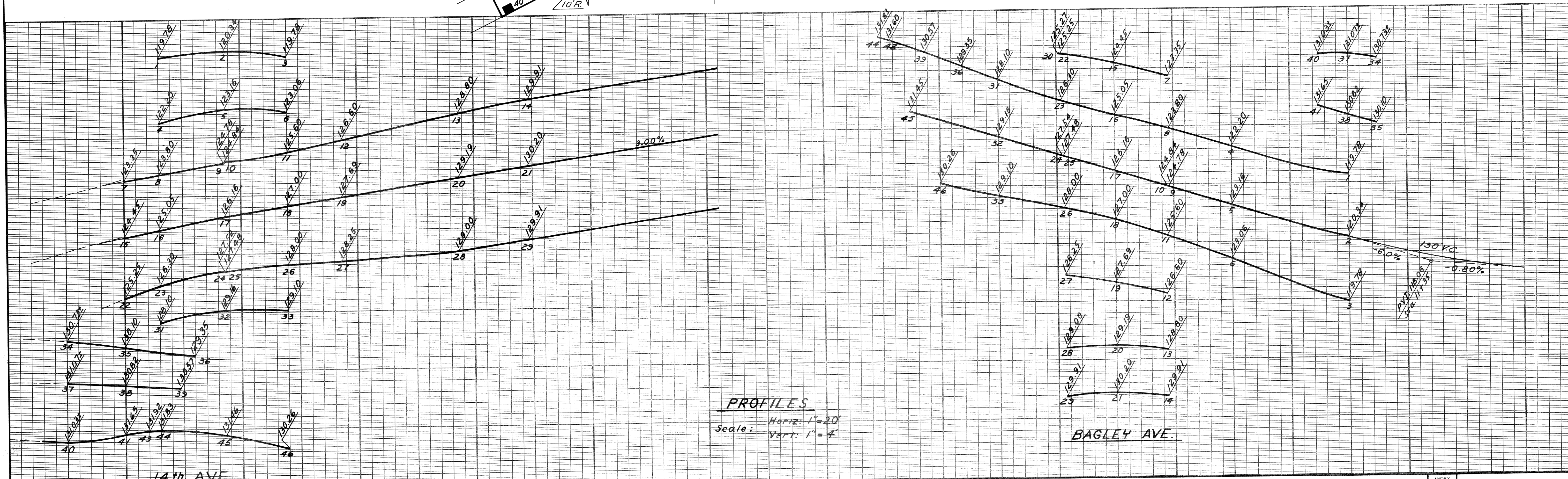
**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

MAR 2 1955

INDEX NO.	SHEET _____ OF _____ SHEETS
TOPO NO.	CONTRACT NO.
INDEXED	ASSIGNMENT NO.
	DATE



*Preliminary  
Correct As Is  
R.B.P. 7-12-71*



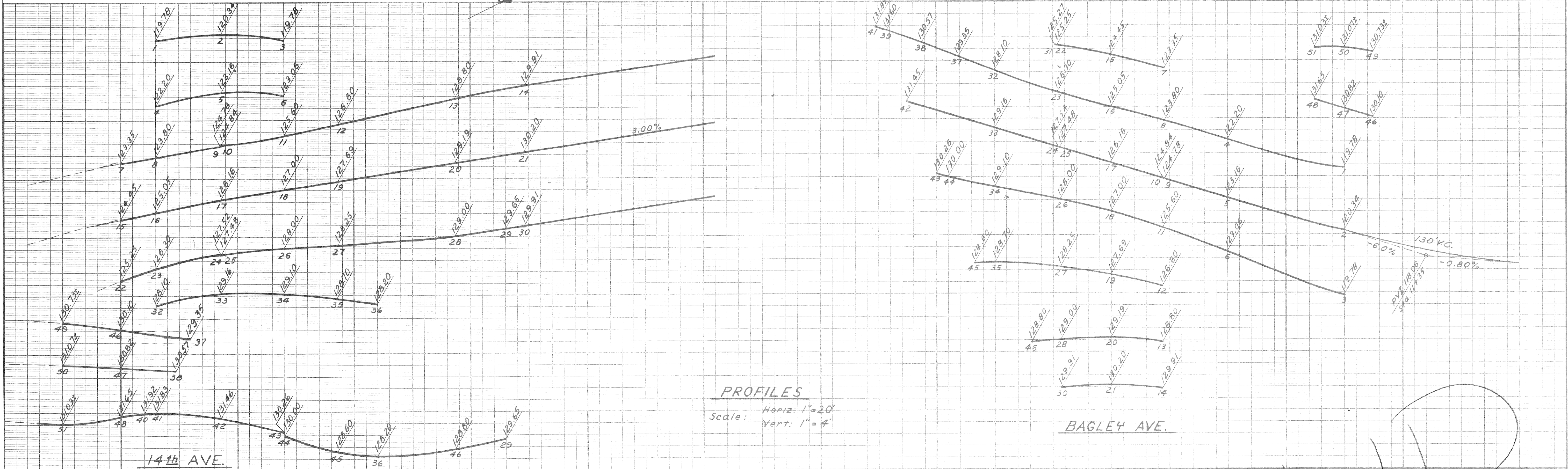
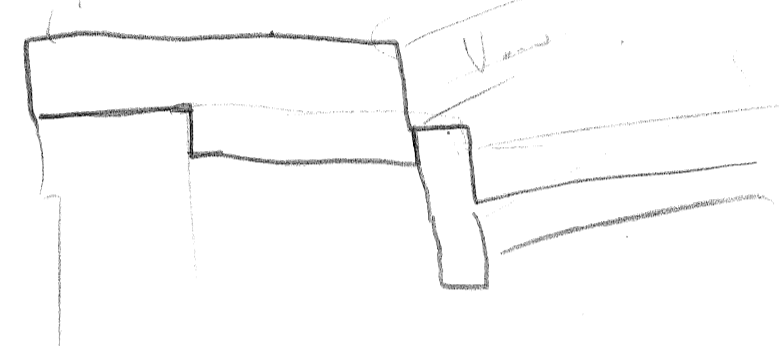
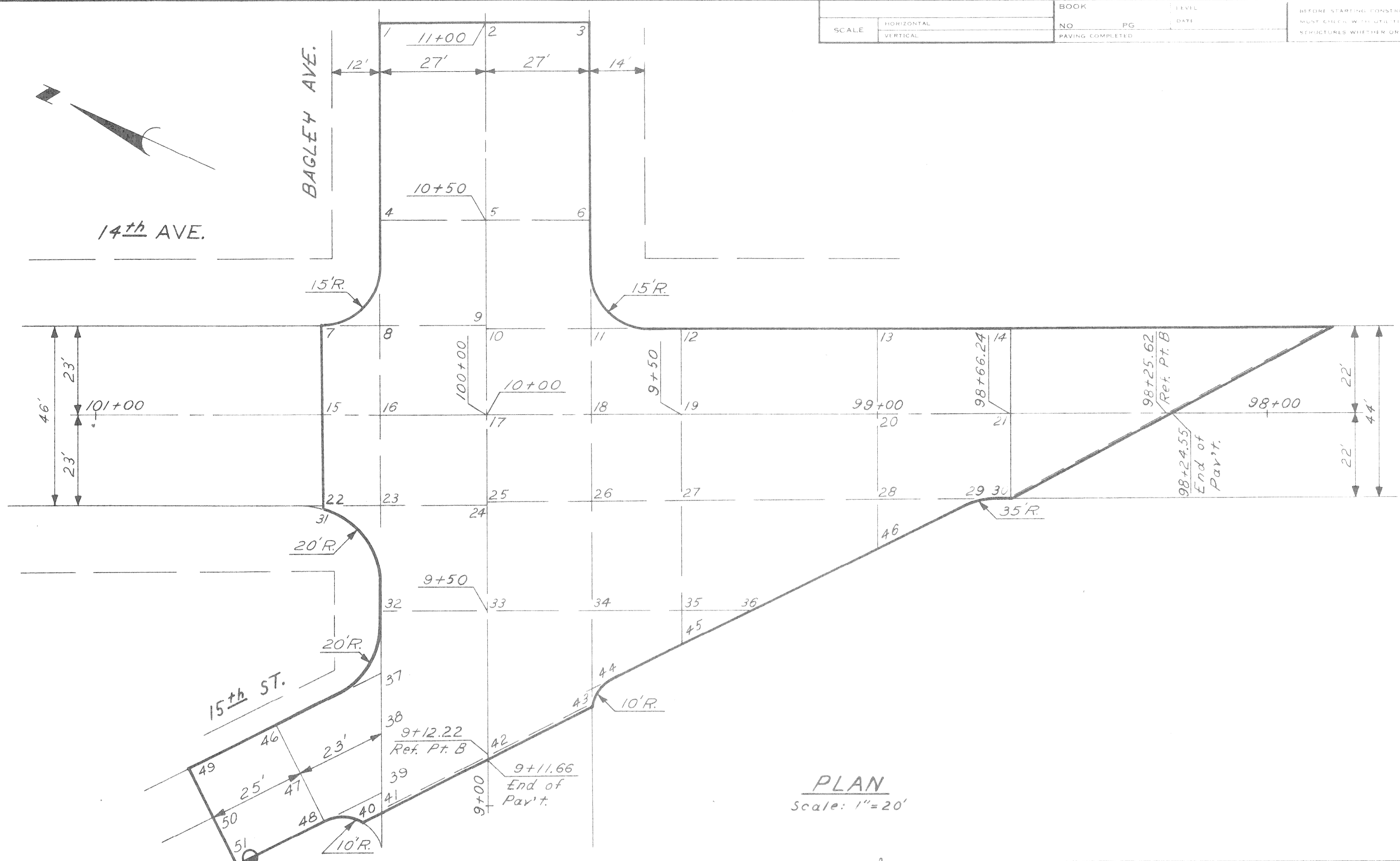
PLAN GRADE ESTIMATE FINAL		BY CHECKED BY REVIEW	APPROVED: ENGINEER OF STREETS ADMINISTRATIVE ENGINEER HEAD CIVIL ENGINEER	CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE FOR	INDEX NO. SHEET OF SHEETS CONTRACT NO. ASSIGNMENT NO. DATE
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SCALE	HORIZONTAL	VERTICAL
	1" = 20'	1" = 4'

BOOK	NO.	PG.
LEVEL	DATE	

NOTE - FOR SYMBOLS (A) ETC. SEE STANDARD DETAIL DRAWING NO. C-411

BENCH MARKS ELEV.



BY	CHECKED BY	APPROVED:
PLAN		ENGINEER OF STREETS
GRADE		ADMINISTRATIVE ENGINEER
ESTIMATE		HEAD CIVIL ENGINEER
DESCRIPTION	DR N CK D AP VO DATE	
REVISIONS	CHECK	REVIEW

CITY OF DETROIT  
DEPARTMENT OF PUBLICWORKS  
CITY ENGINEERS OFFICE  
FOR

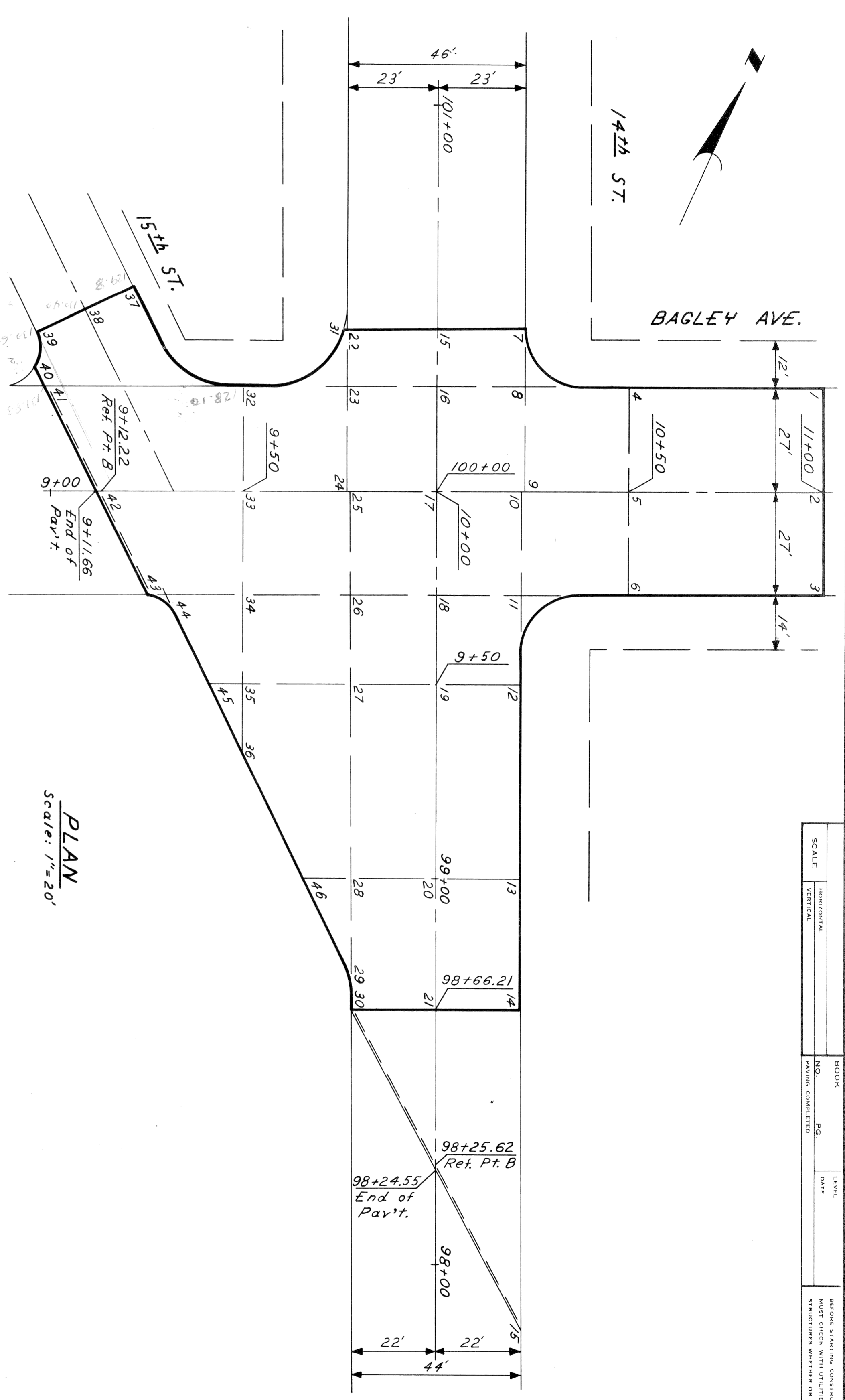
SHEET	OF	SHEETS
CONTRACT	NO.	
ASSIGNMENT	NO.	
DATE		

101

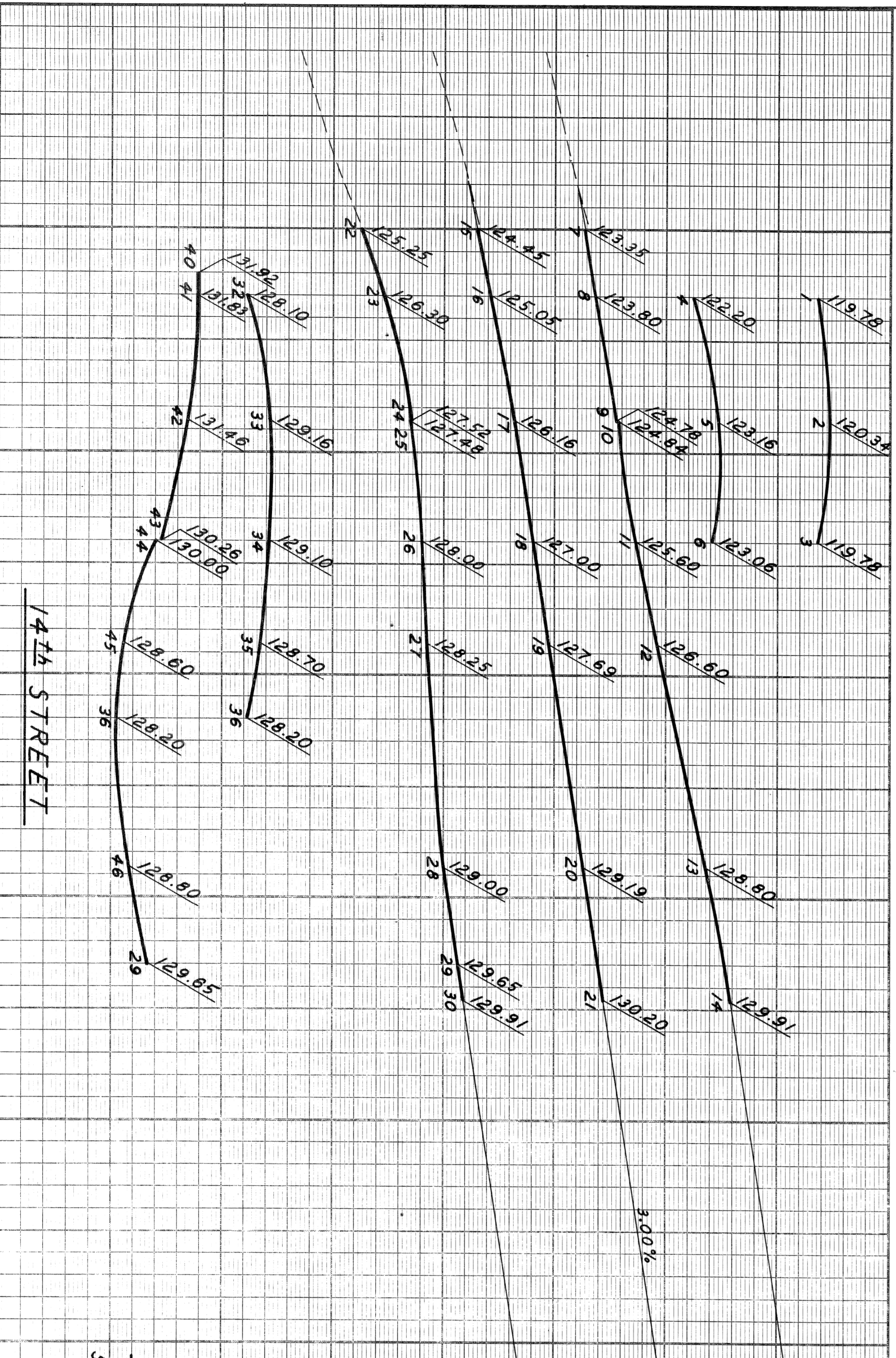
SCALE	HORIZONTAL	VERTICAL
1" = 40'	1" = 40'	1" = 20'

NOTE - FOR SYMBOLS (1) ETC. SEE STANDARD DETAIL DRAWING NO. C-1111

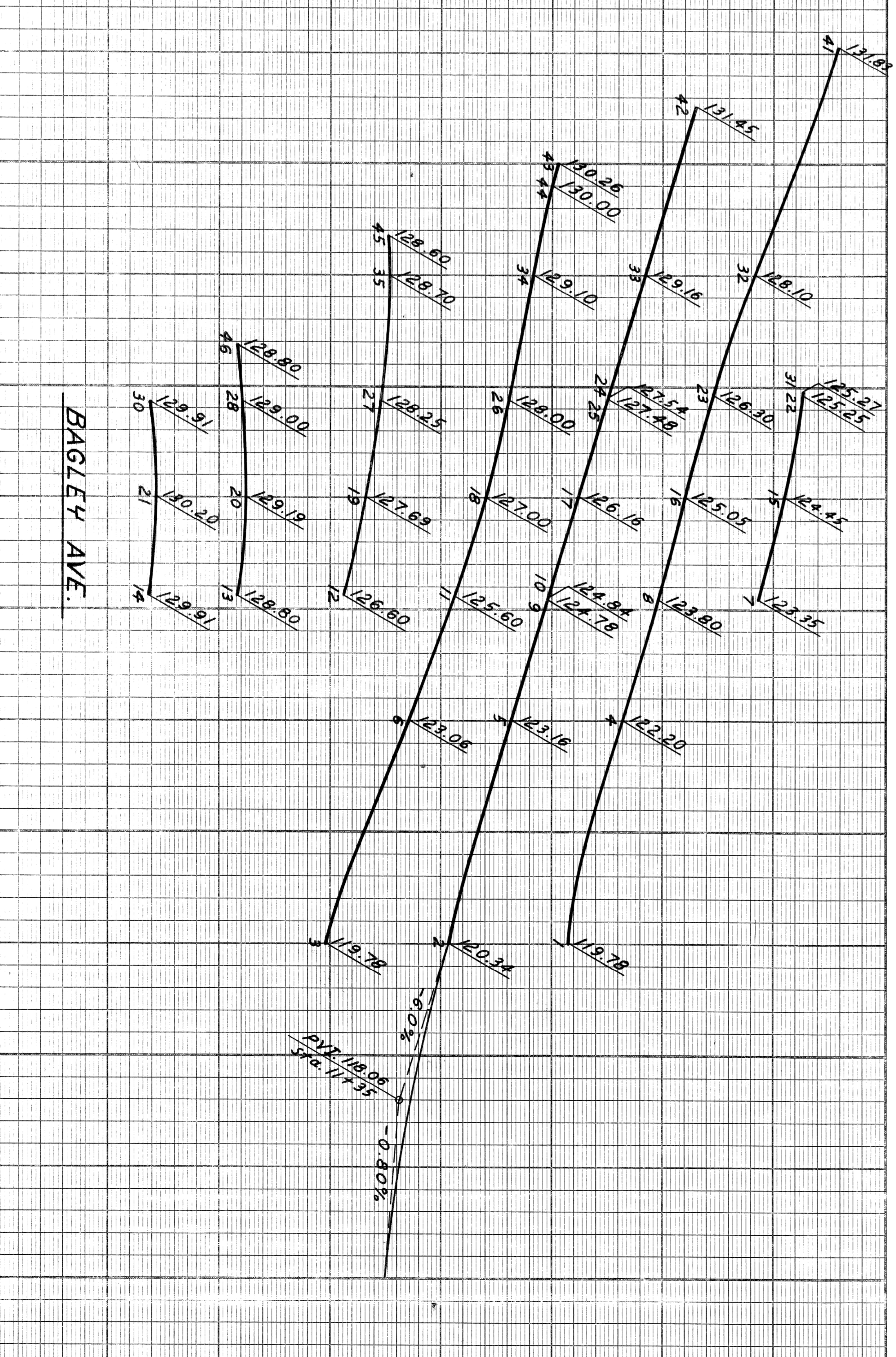
BENCH MARKS ELEV.



**PLAN**  
Scale: 1"=20'



**PROFILES**  
Scale: Horizontal: 1"=20'  
Vertical: 1"=4'



**PROFILES**  
Scale: Horizontal: 1"=20'  
Vertical: 1"=4'

DESCRIPTION	DATE	BY	CHECKED BY	APPROVED
PLAN				
GRADE				
ESTIMATE				
FINAL				

ENGINEER OF STREETS	ADMINISTRATIVE ENGINEER
HEAD CIVIL ENGINEER	

CITY OF DETROIT  
DEPARTMENT OF PUBLIC WORKS  
CITY ENGINEERS OFFICE  
FOR

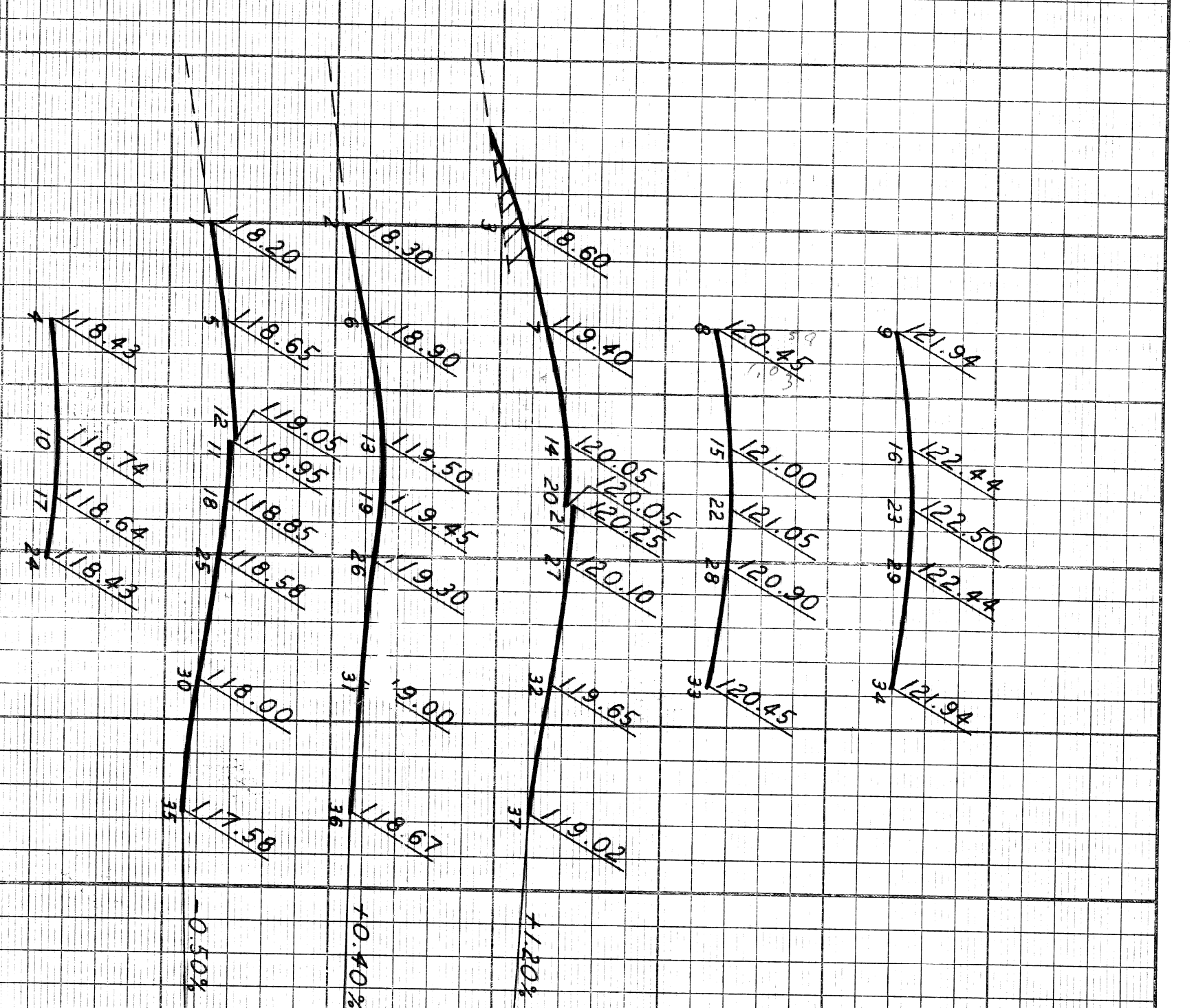
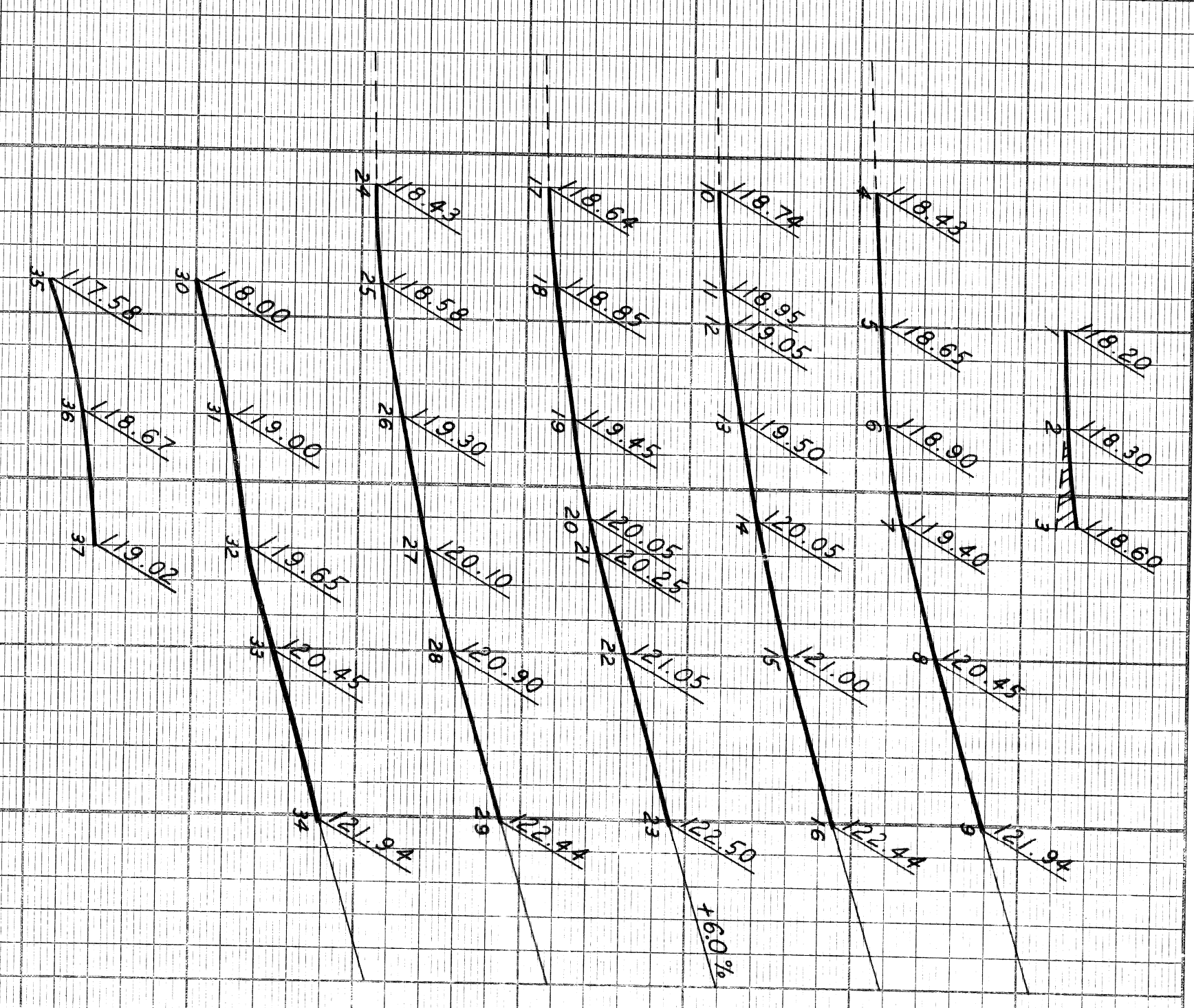
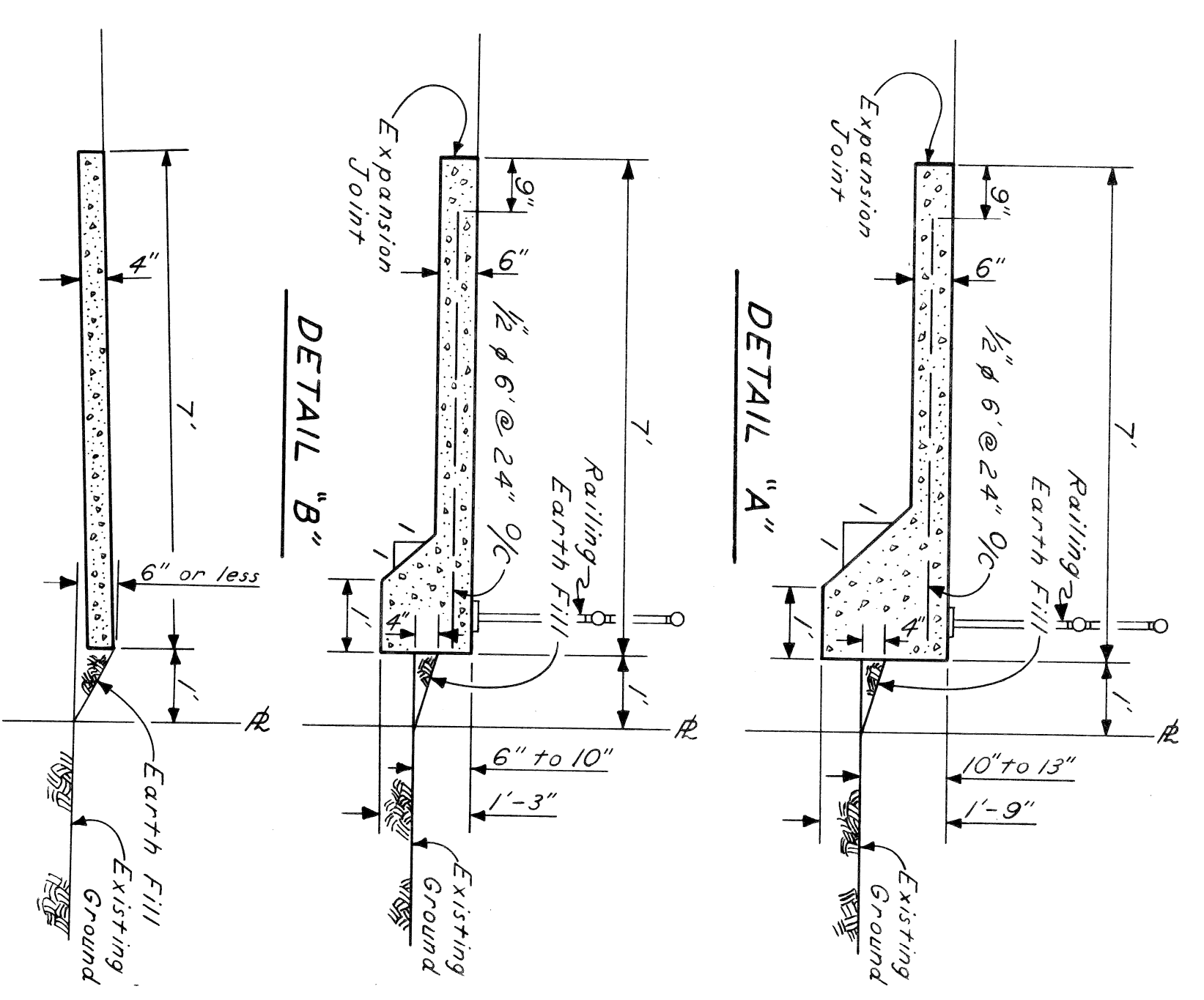
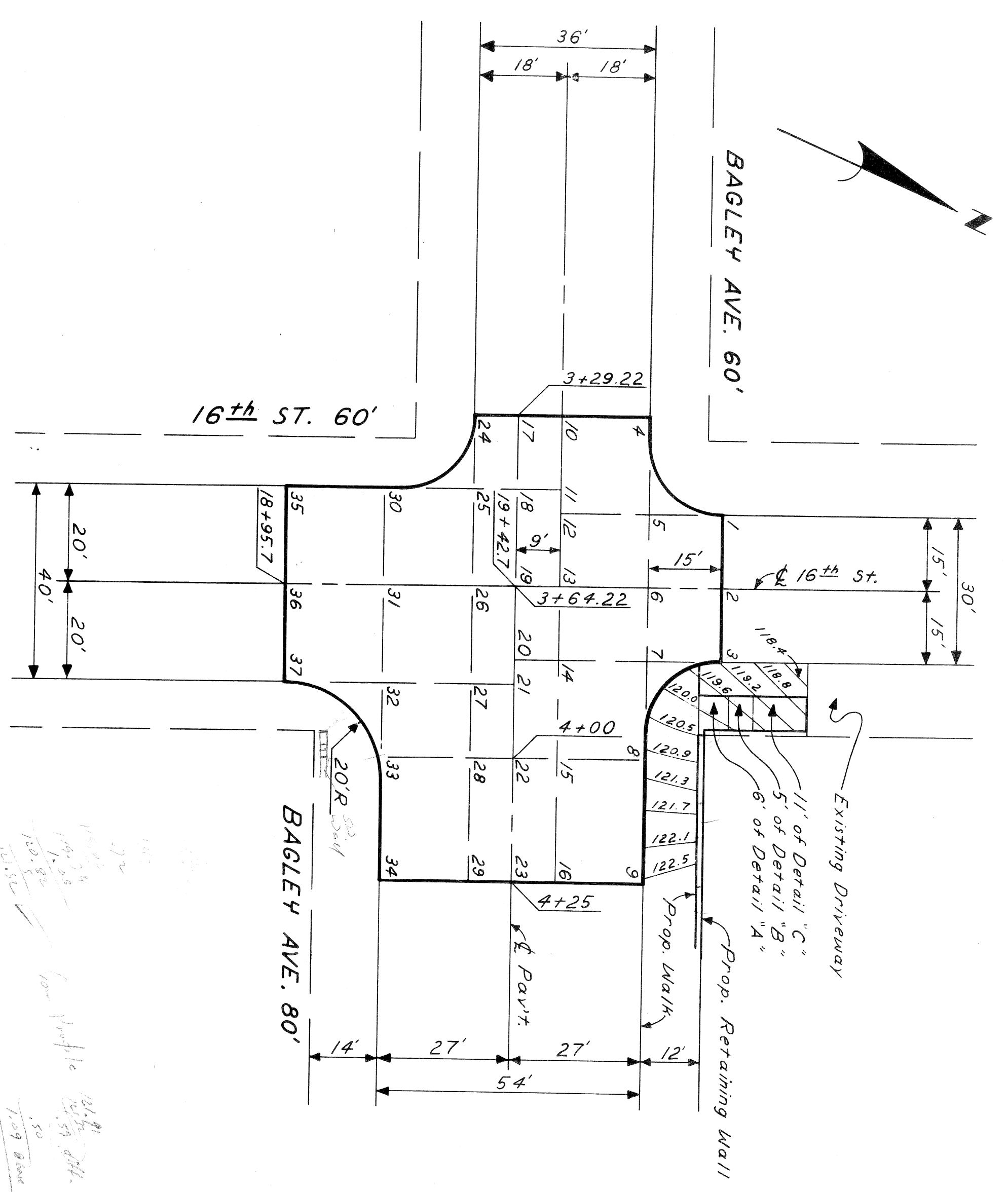
**PRELIMINARY  
NOT FOR CONSTRUCTION**

MAR 2 1921

NO. OF SHEETS	SHEET NO.
CONTRACT NO.	ASSIGNMENT NO.
DATE	





SCALE	HORIZONTAL	VERTICAL	BOOK	SHEET	DATE
			NO.	NO.	
			DRAWN BY		
			CHECKED BY		
			APPROVED BY		

NOTE - FOR SYMBOLS (A) ETC. SEE STANDARD DETAIL DRAWING NO. C-111

BENCH MARKS ELEV.

DESCRIPTION	DATE	BY	CHECKED BY	APPROVED BY
PLAN				
GRADE				
ESTIMATE				
REVISIONS				

CITY OF DETROIT  
DEPARTMENT OF PUBLIC WORKS  
CITY ENGINEERS OFFICE  
FOR

INDEX	SHEET	OF	SHEETS
NO.			
CONTRACT			
ASSIGNMENT			

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

MAY 2 1924