

MICHIGAN
STATE HIGHWAY DEPARTMENT
JOHN C. MACKIE
 STATE HIGHWAY COMMISSIONER

PLANS OF PROPOSED
MICHIGAN PROJECT I-75 -I(73)54
CONTROL SECTION 8225IF C24 & 82252A CI
THE WALTER P. CHRYSLER EXPRESSWAY
 CITY OF DETROIT
 WAYNE COUNTY

HIGHWAY CLASSIFICATION
 82,500-M-60

ROUTE	STATE PROJECT	FEDERAL NO.	SHEET NO.	TOTAL SHEETS
I-75	8225IF & 82252A	I-75-I(73)54	1	

GENERAL NOTES

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN STATE HIGHWAY DEPARTMENTS 1963 SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS.
 ALL COPPER SHALL BE 16 OZ. SHEET COPPER.

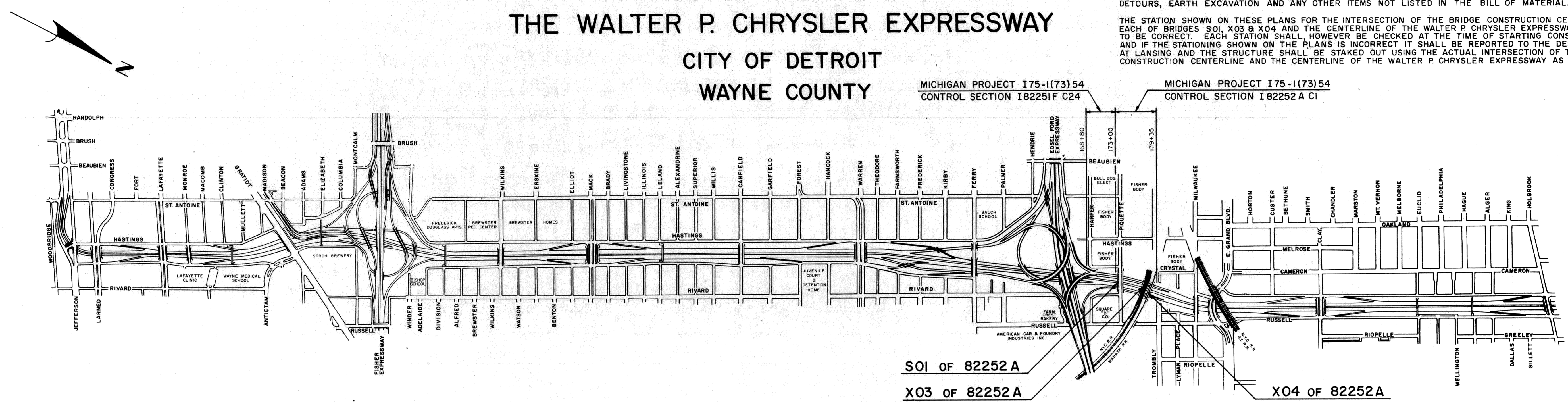
THE CHARACTER OF ALL MATERIALS AND THE EXTENT THEREOF AS SHOWN BY THE BORINGS HAS BEEN OBTAINED BY METHODS AND FROM SOURCES BELIEVED TO BE RELIABLE. THE EXACTNESS OF THIS INFORMATION IS, HOWEVER, IN NO CASE GUARANTEED. BORING REPORTS ARE ON FILE IN THE DESIGN OFFICE AT LANSING AND ARE AVAILABLE FOR INSPECTION.

ALL EXPOSED CONCRETE CORNERS SHOWN SQUARE ON THE PLANS SHALL BE BEVELED WITH 1/2" TRIANGLE MOLDINGS EXCEPT AS OTHERWISE NOTED.

THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES REGARDING THEIR FACILITIES PRIOR TO STARTING WORK.

THE FOLLOWING ITEMS SHOWN IN THESE PLANS ARE TO BE CONSTRUCTED WITH THE ROAD WORK: BRIDGE APPROACH CURB AND GUTTER, CATCH BASINS, INLETS, CULVERTS, SEWERS, TEMPORARY DETOURS, EARTH EXCAVATION AND ANY OTHER ITEMS NOT LISTED IN THE BILL OF MATERIAL.

THE STATION SHOWN ON THESE PLANS FOR THE INTERSECTION OF THE BRIDGE CONSTRUCTION CENTERLINE OF EACH OF BRIDGES SO1, X03 & X04 AND THE CENTERLINE OF THE WALTER P. CHRYSLER EXPRESSWAY IS BELIEVED TO BE CORRECT. EACH STATION SHALL, HOWEVER, BE CHECKED AT THE TIME OF STARTING CONSTRUCTION AND IF THE STATIONING SHOWN ON THE PLANS IS INCORRECT IT SHALL BE REPORTED TO THE DESIGN OFFICE AT LANSING AND THE STRUCTURE SHALL BE STAKED OUT USING THE ACTUAL INTERSECTION OF THE BRIDGE CONSTRUCTION CENTERLINE AND THE CENTERLINE OF THE WALTER P. CHRYSLER EXPRESSWAY AS THE CONTROL.



ITEM 616 8225IF C24 0.080 Miles
 ITEM 616 82252A CI 0.120 Miles

CONTRACT FOR: BRIDGE SO1-PIQUETTE AVE. BRIDGE, BRIDGE X03-N.Y.C. R.R. DETROIT BRANCH R.R. BRIDGE, BRIDGE X04-WABASH R.R., RUSSELL ST. LINE R.R. BRIDGE, G. & D.S. AND UTILITY ALTERATIONS.

DIVISION APPROVAL

CHECKED	ENGINEER OF DESIGN-CONSULTANTS	DATE
RECOMMENDED FOR APPROVAL	TRAFFIC ENGINEER	DATE
RECOMMENDED FOR APPROVAL	ENGINEER OF BRIDGE AND ROAD DESIGN	DATE

OFFICES OF DESIGN AND CONSTRUCTION

APPROVED	CONSTRUCTION ENGINEER	DATE
APPROVED	CHIEF OF DESIGN	DATE

STATE HIGHWAY DEPARTMENT APPROVAL

APPROVED	JOHN C. MACKIE, STATE HIGHWAY COMMISSIONER	DATE
BY	DIRECTOR OF ENGINEERING-CHIEF ENGINEER	DATE

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

APPROVED *[Signature]*
 HEAD ENGINEER OF EXPRESSWAYS

APPROVED *[Signature]*
 ASSOCIATE CITY ENGINEER-HIGHWAYS AND EXPRESSWAYS

APPROVED *[Signature]*
 CITY ENGINEER

APPROVED *[Signature]*
 COMMISSIONER OF PUBLIC WORKS AND EXPRESSWAY COORDINATOR

PLANS PREPARED BY
CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS

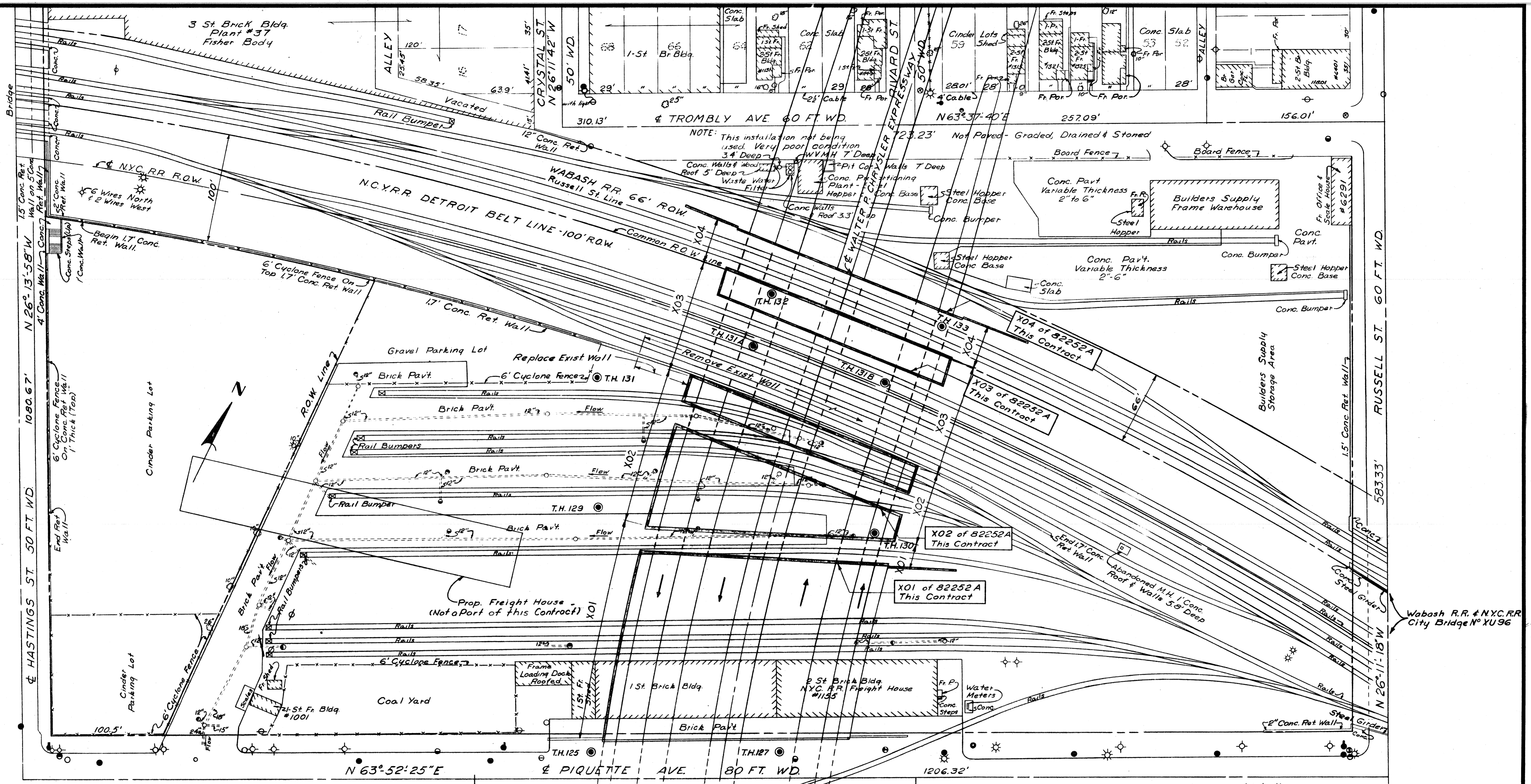
DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS

APPROVED *[Signature]*
 DIVISION ENGINEER

DATE

SO1, X03 & X04 of 82252A	PROJECT NO. 8225IF & 82252A	FEDERAL PROJECT I-75-I(73)54	SHEET NO. 1
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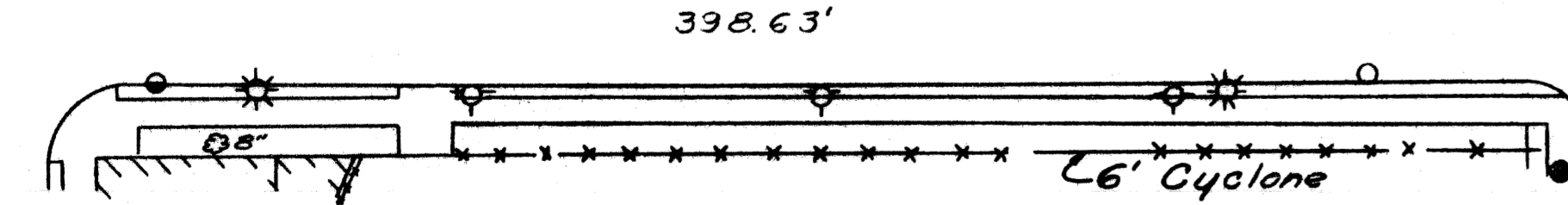
PROJECT NO. SO1, X03 & X04 of 82252A



NOTE: This installation not being used. Very poor condition. 3.4' Deep. Conc. Walls & Wood. Roof 5' Deep. Waste Water Filter. Conc. Hopper. Conc. Base. Steel Hopper. Conc. Bumper. Conc. Slab. Board Fence. Builders Supply Frame Warehouse. Conc. Part. Variable Thickness 2" to 6". Steel Hopper. Conc. Base. Conc. Slab. Builders Supply Storage Area. Conc. Bumper. Steel Hopper. Conc. Base. Conc. Slab.

Builders Supply Frame Warehouse
 Builders Supply Storage Area

X01 of 82252A This Contract
 X02 of 82252A This Contract
 X03 of 82252A This Contract
 X04 of 82252A This Contract



SURVEY PLAN
Scale 1" = 40'

- UTILITY LEGEND**
- Sewer Manhole
 - P.L.C. Manhole
 - ⊙ D.F. Manhole
 - ⊙ Detroit Edison Co. Manhole
 - ⊙ M.B.T. Manhole
 - ⊙ Detroit Edison Co. Pole
 - ⊙ Test Boring Location
 - Fire Hydrant
 - ⊙ Watermain Gate Well & Valve
 - ⊙ Water Gate & Box
 - ⊙ P.L.C. Light Pole
 - ⊙ Sewer Inlet or Catchbasin
 - ⊙ M.B.T. Pole
 - ⊙ D.S.R. Pole

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

CORRECT
 RECOMMENDED FOR APPROVAL

JOB No. PW 897 C

MICHIGAN STATE HIGHWAY DEPARTMENT
 N.Y.C.R.R. - RUSSELL ST. YARD, N.Y.C.R.R. DETROIT BR. AND WABASH R.R. CROSSING THE WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

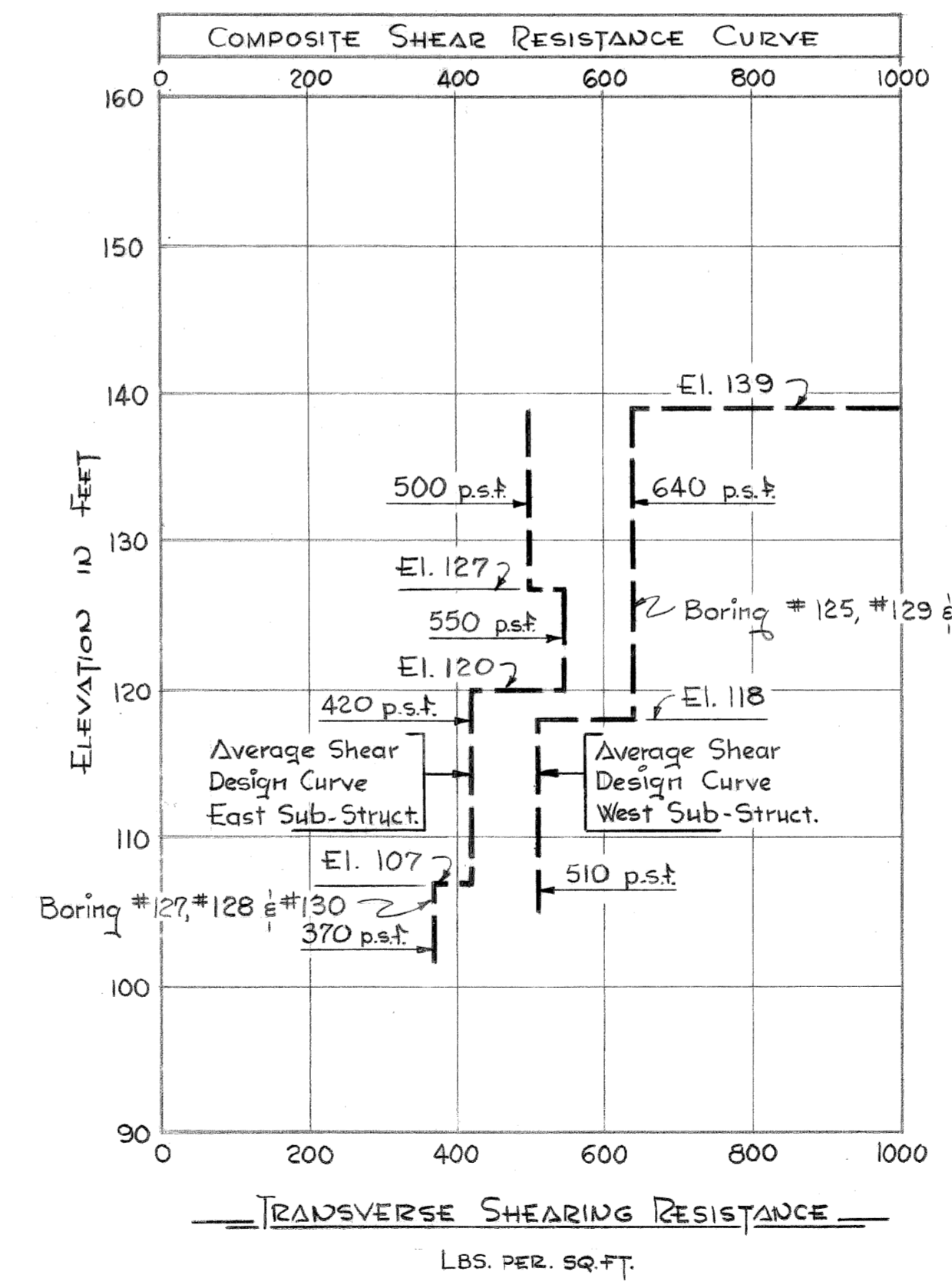
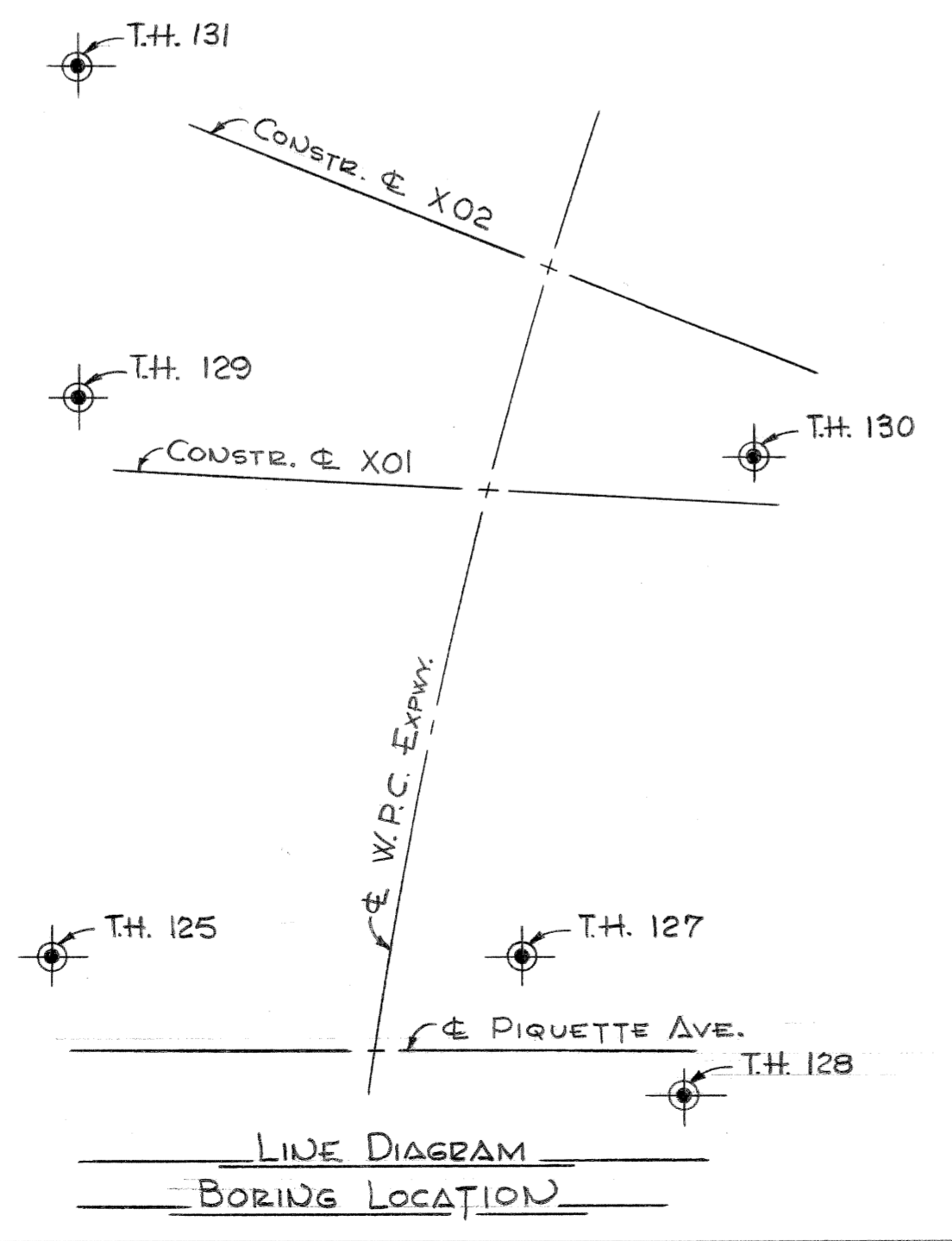
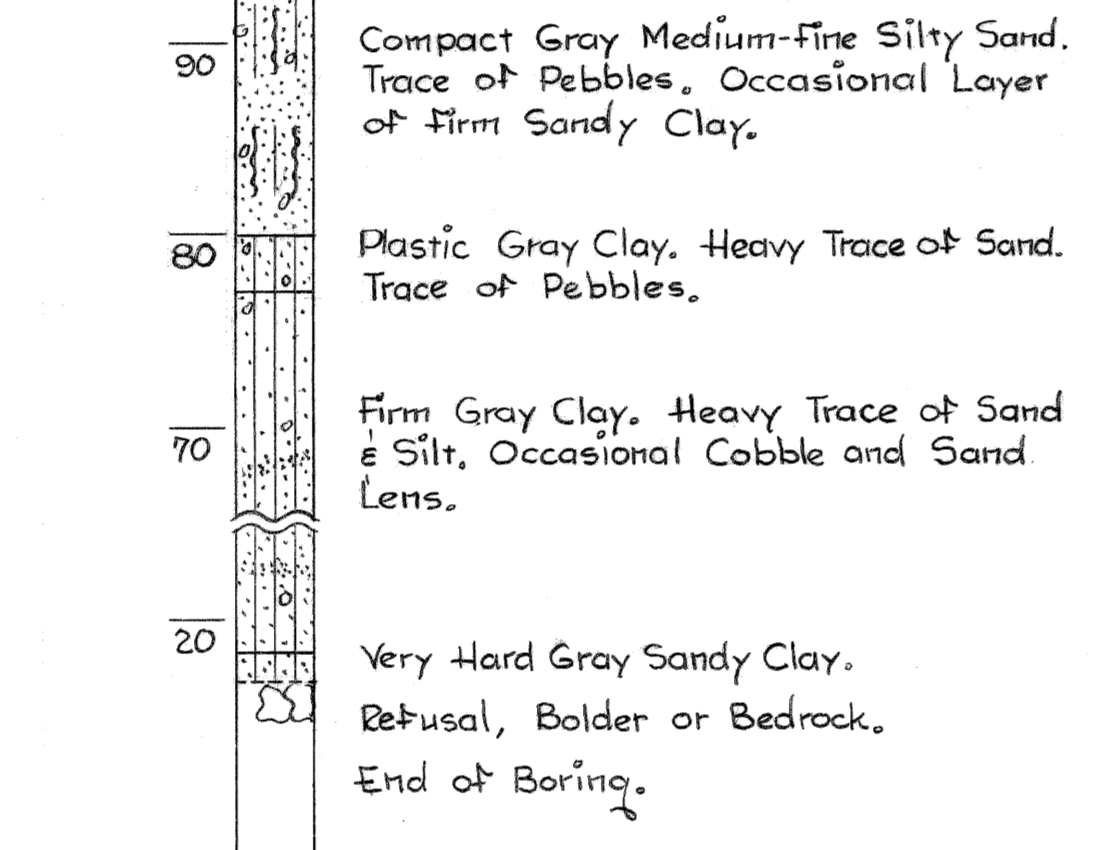
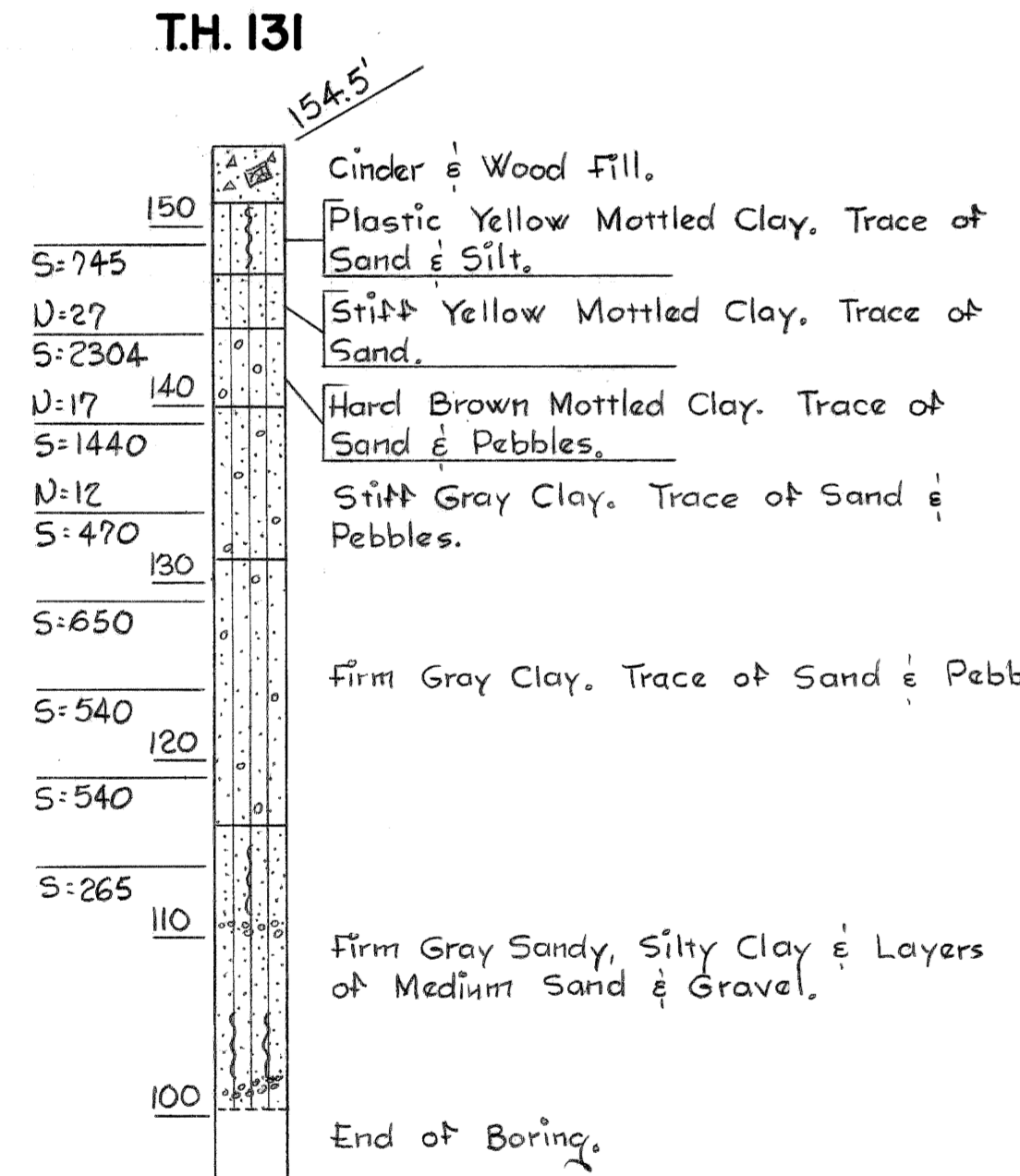
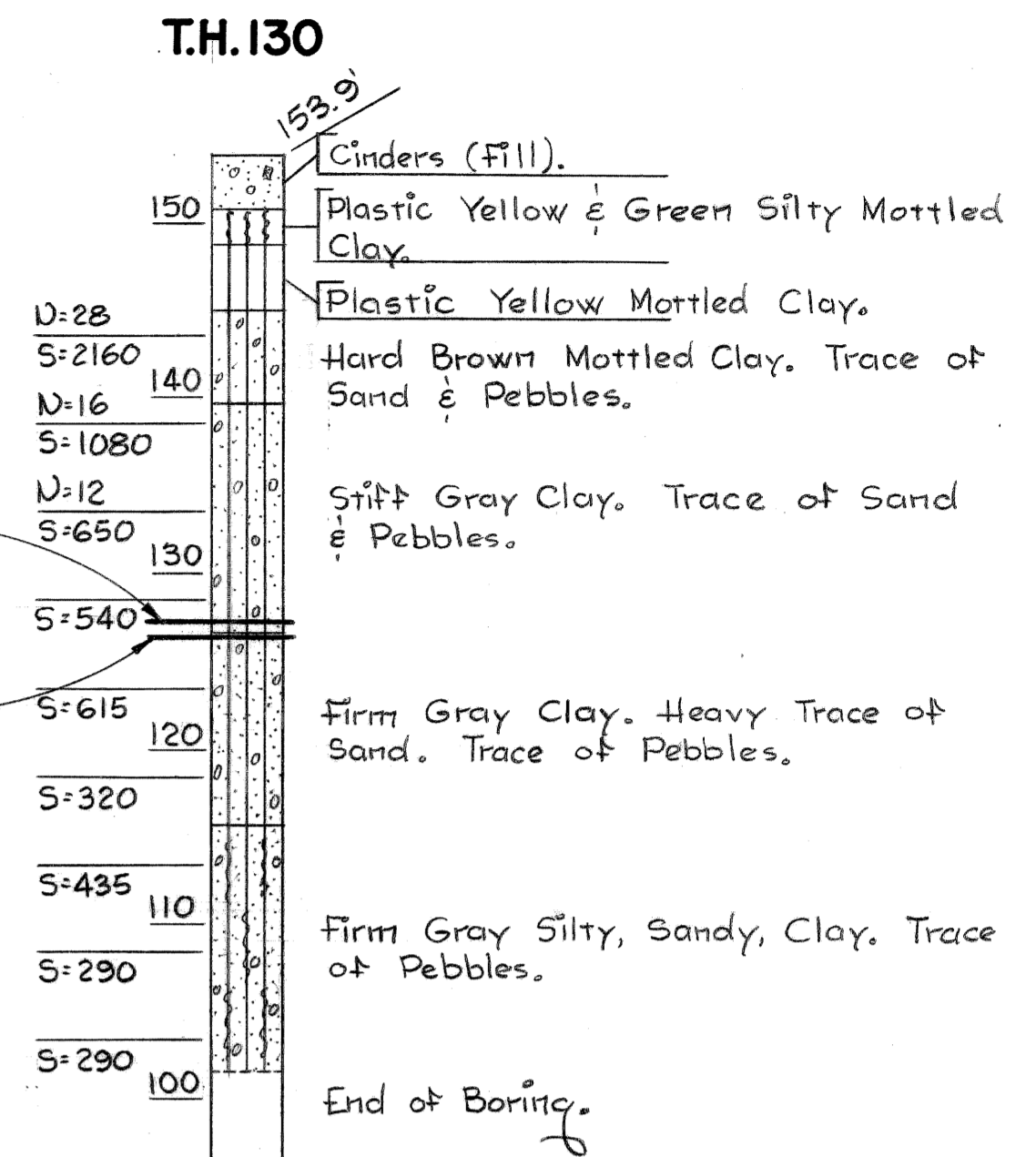
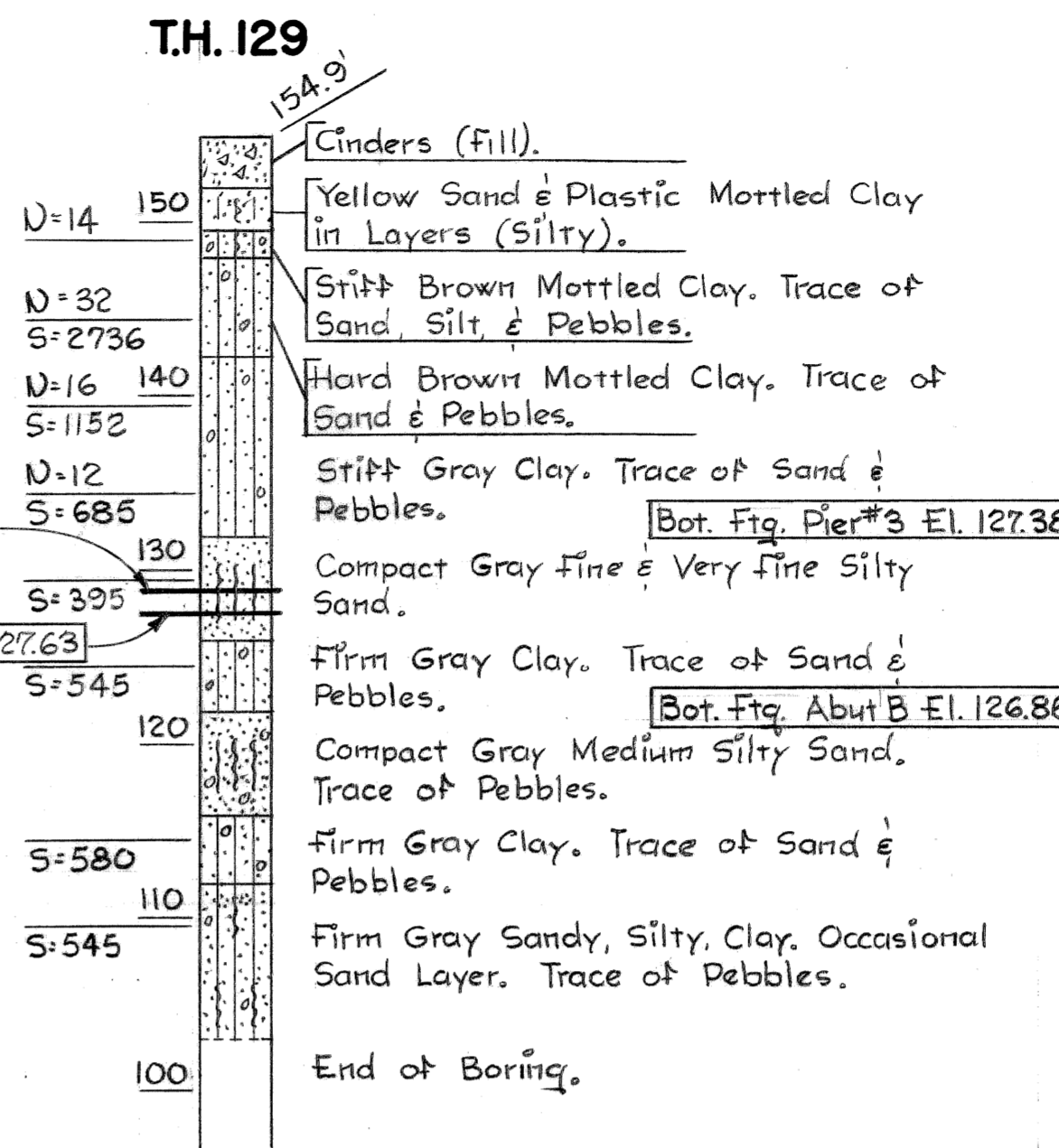
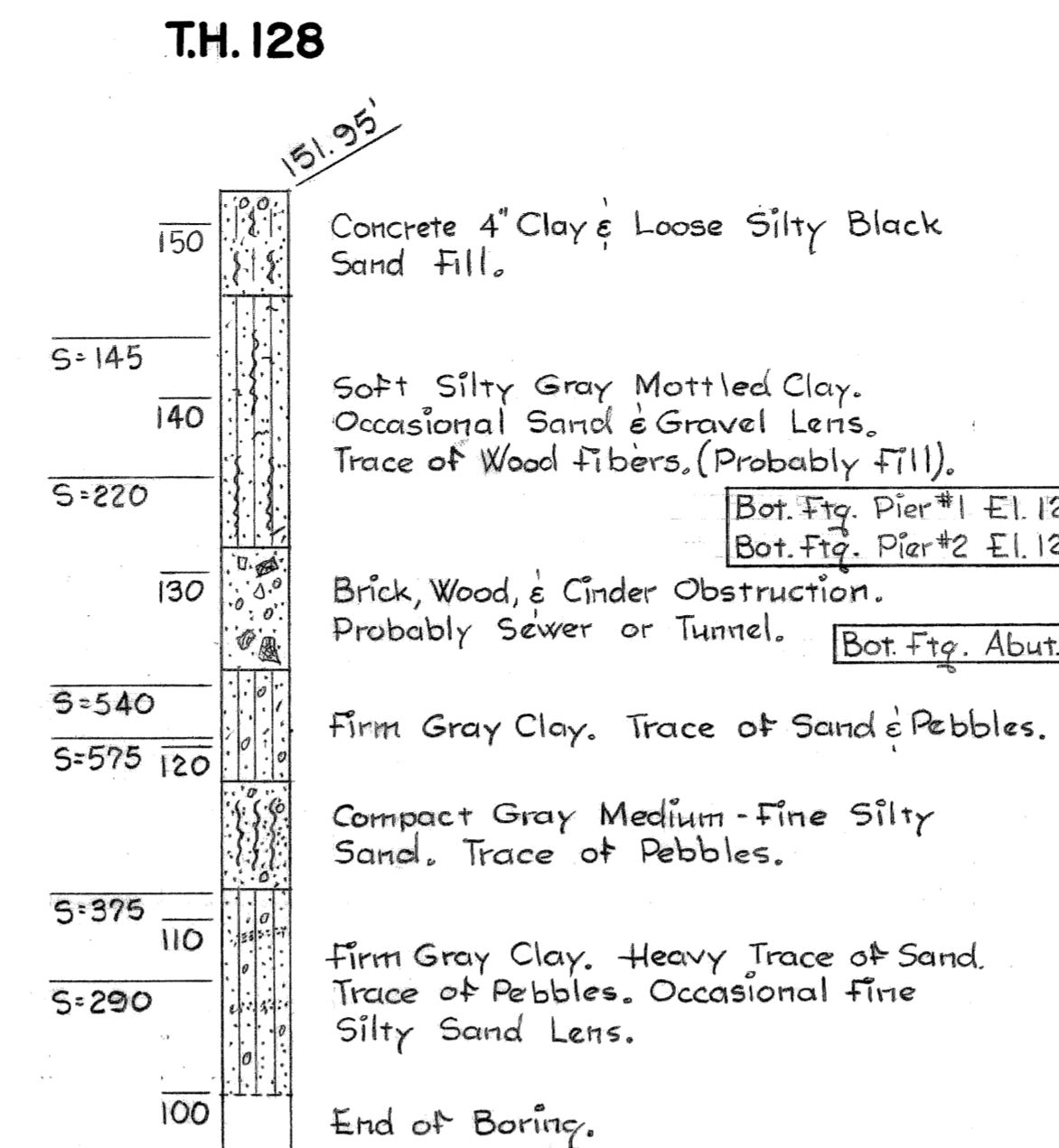
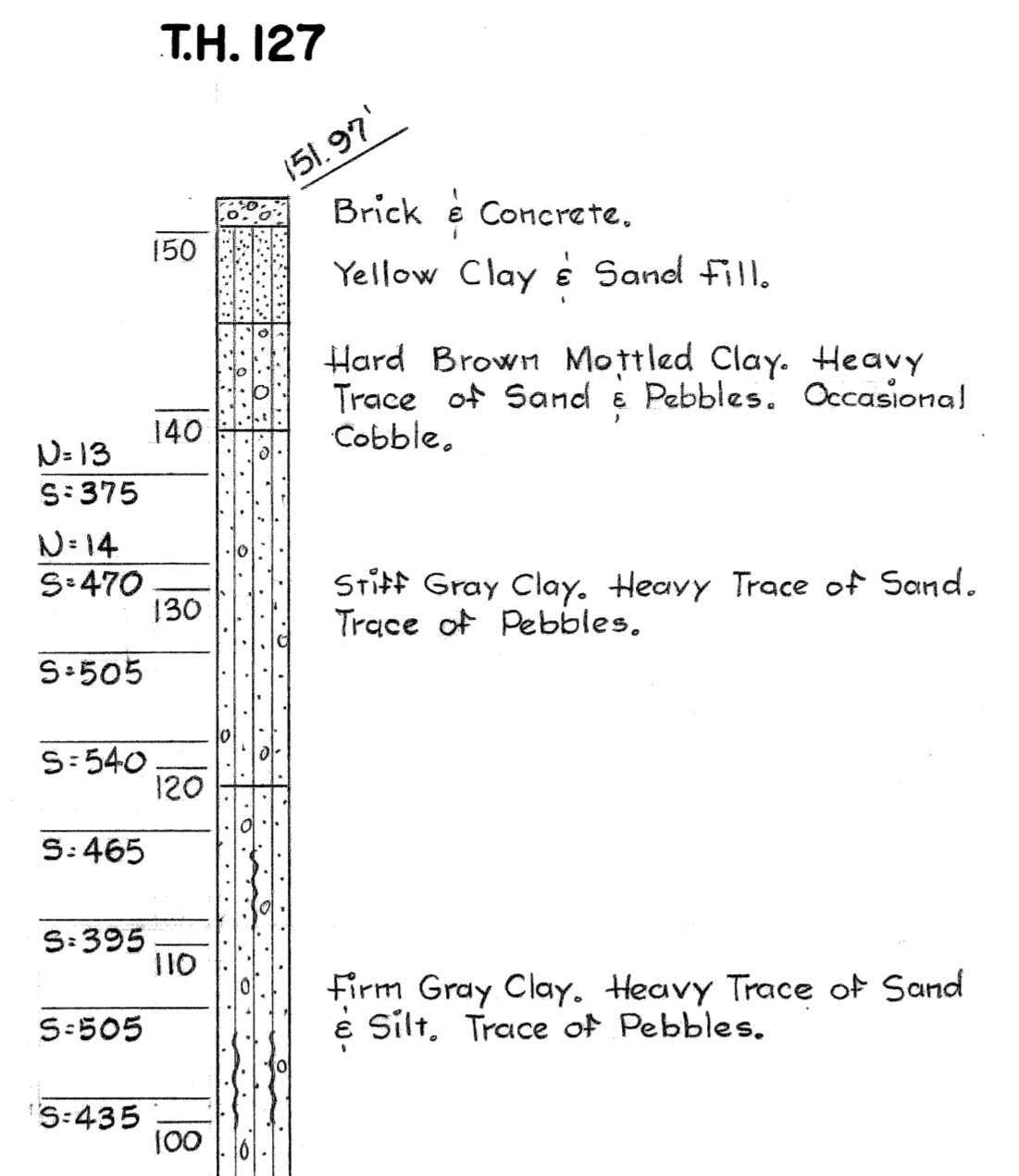
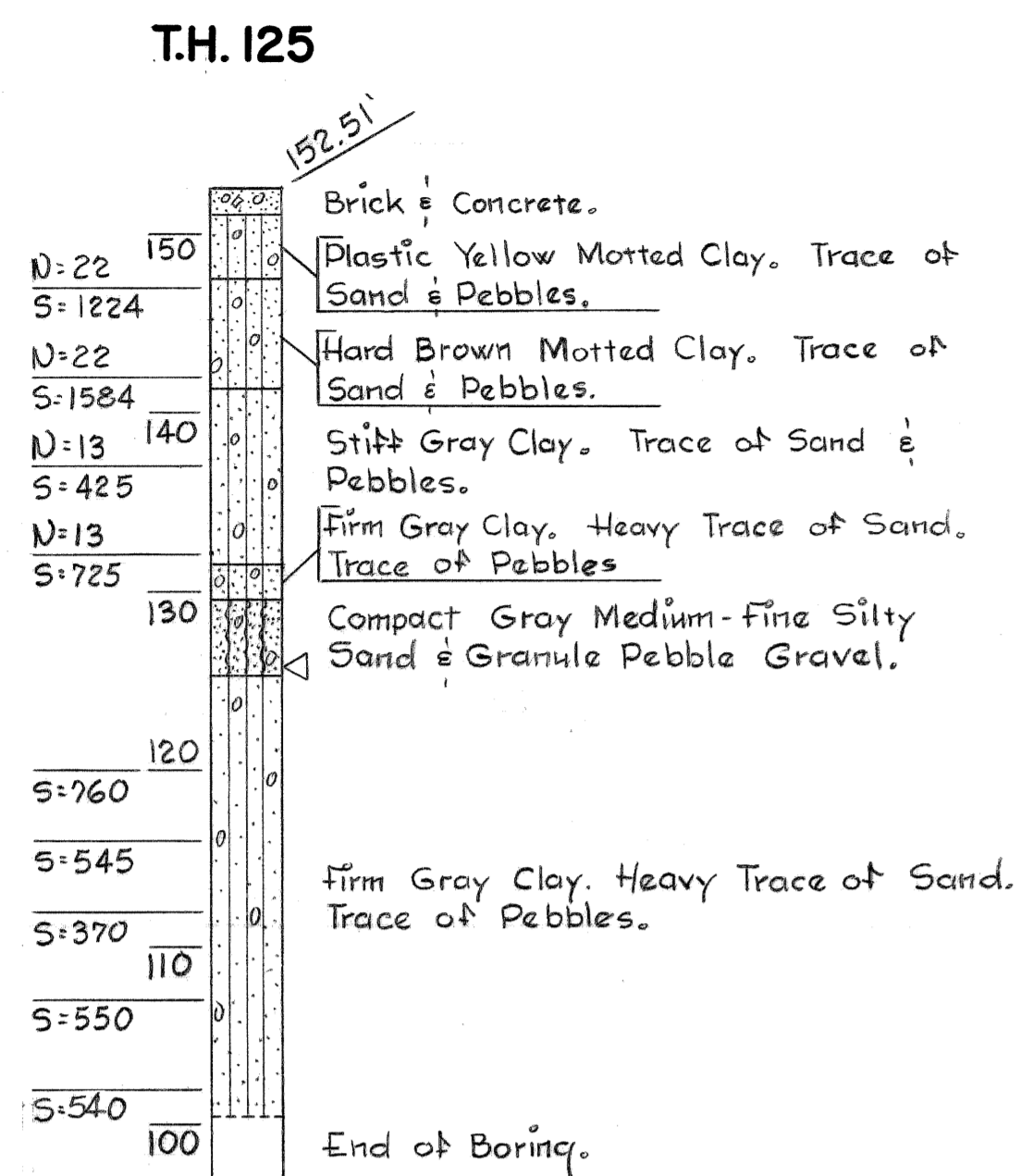
GENERAL PLAN OF SITE

REVISIONS			
NO.	DESCRIPTION	DATE	BY

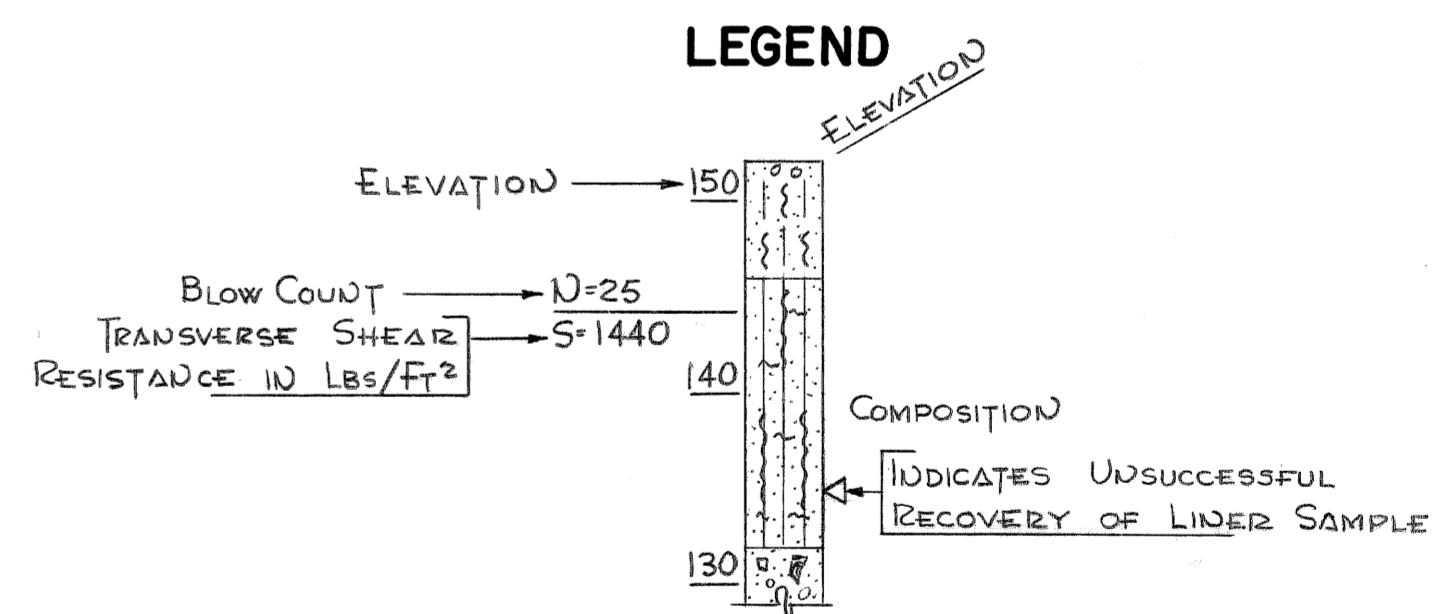
CITY OF DETROIT	
DESIGNED BY	J. Covert 6/62
DRAWN BY	W. Snyder 4-61
CHECKED BY	J. Covert 6/62
SHEET	1 OF 20
X01, X02, X03 & X04 of 82252 A	

NOTES
 The topography shown represents conditions existing at the time the field survey was made. These conditions may have been altered by the operations of others before this work is started.

LOG OF SOIL BORINGS



NOTES:
 D Indicates number of blows required to drive a sampler 12" (or as indicated), using a 140# hammer falling 30". Where blow count is not shown, sampler was either pushed or hand driven.
 S Indicates Transverse Shearing Resistance in Lbs./sq. ft. as determined by M.S.H.D. Standard Test.

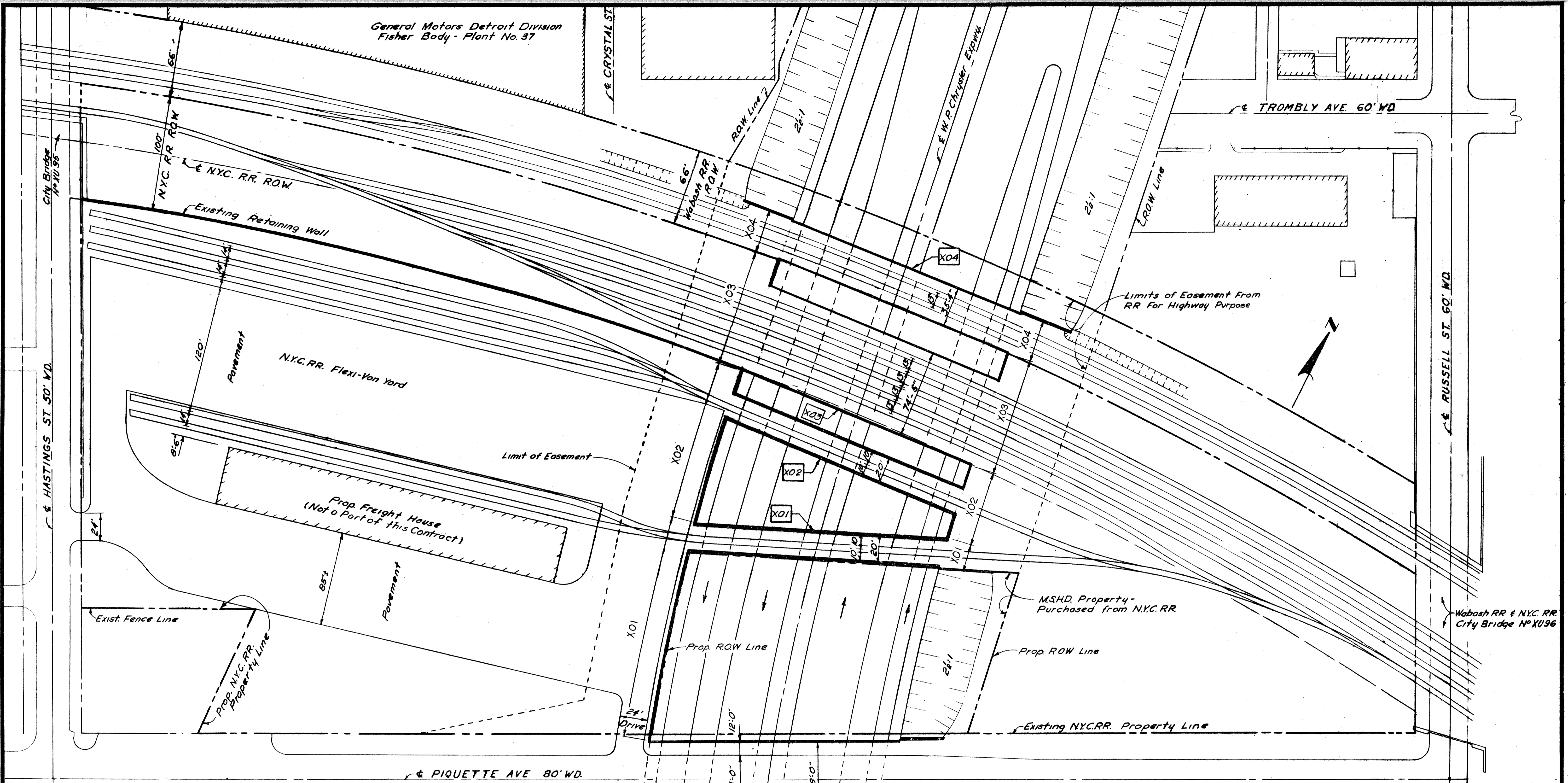


CONTROL SECTION 82252 A

PLANS PREPARED BY CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE BUREAU OF HIGHWAYS AND EXPRESSWAYS CORRECT FOR APPROVAL RECOMMENDED FOR APPROVAL REVISIONS		JOB No. PW 897 C	
NO.	DESCRIPTION	DATE	BY

MICHIGAN STATE HIGHWAY DEPARTMENT N. Y. C. R. R. - RUSSELL ST. YARD, N. Y. C. R. R. DETROIT BR. AND WABASH R. R. CROSSING THE WALTER P. CHRYSLER EXPRESSWAY IN DETROIT	
LOG OF SOIL BORINGS	
APPROVED _____ COORDINATING ENGINEER	APPROVED _____ ENGINEER OF DESIGN-CONSULTANTS

SQUAD BOSS DRAWN BY TRACED BY CHECKED BY SHEET 2 OF 20	J. Cover 6/62 A. Gersh 1/62 1/62 20 X01 & X02 of 82252 A
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CURRENT RAIL MOVEMENT

The current rail movements at the Subject Location which have been furnished by the respective Railroad Companies involved are as follows:
 NEW YORK CENTRAL: 1 Switch at 10 M.P.H. maximum speed.
 WABASH RAILROAD COMPANY: Transfer Train - 1 each way - 25 M.P.H. maximum speed.
 The foregoing information concerning the movements of trains and speed thereof does not represent any commitment on the part of the respective Railroad Company to continue them unchanged, inasmuch as they are subject to change without notice.

Piquette Ave. Bridge - S01 of 82252A
 This Contract

CONTROL SECTION 82252 A

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

CORRECTED FOR APPROVAL: *[Signature]* S. Frank, Major Eng.
 RECOMMENDED FOR APPROVAL: *[Signature]* S. Frank, Major Eng.

JOB No. 897 C

REVISIONS			
NO.	DESCRIPTION	DATE	BY

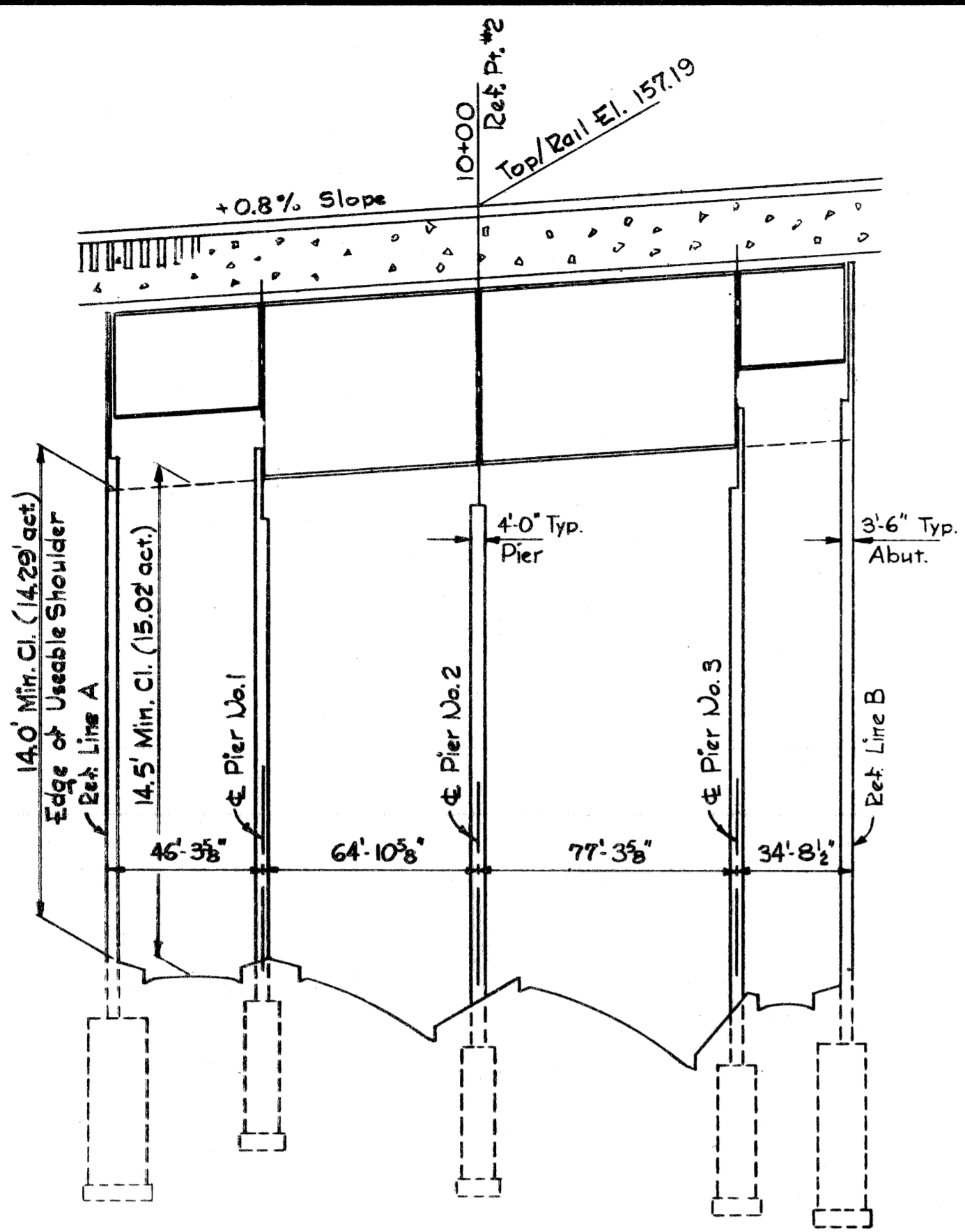
MICHIGAN STATE HIGHWAY DEPARTMENT

N.Y.C.R.R. - RUSSELL ST. YARD, N.Y.C.R.R. DETROIT BR.
 AND WABASH R.R. CROSSING THE
 WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

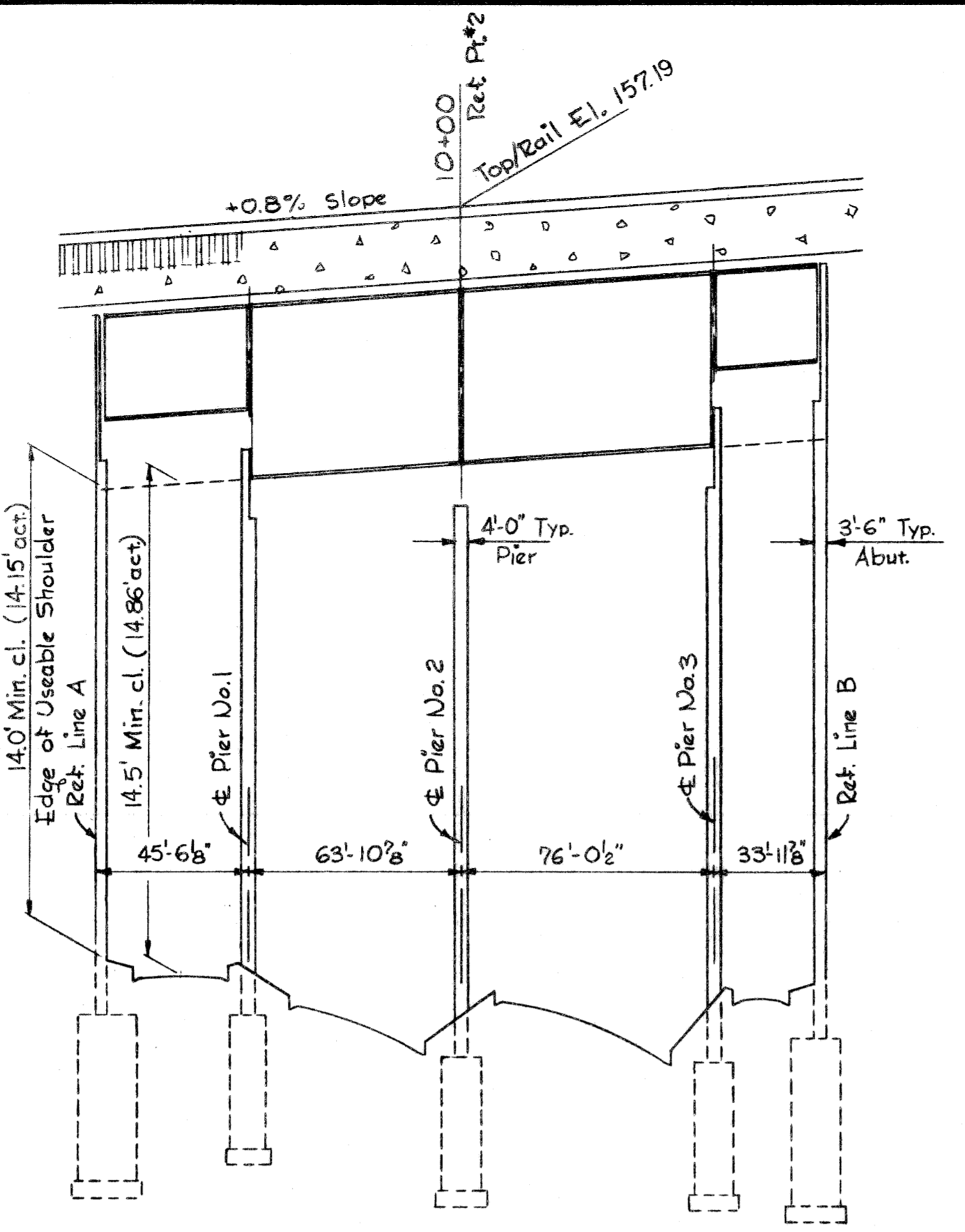
GENERAL DRAWING - PLAN

APPROVED: _____ COORDINATING ENGINEER
 APPROVED: _____ DESIGN ENGINEER - CONSULTANTS

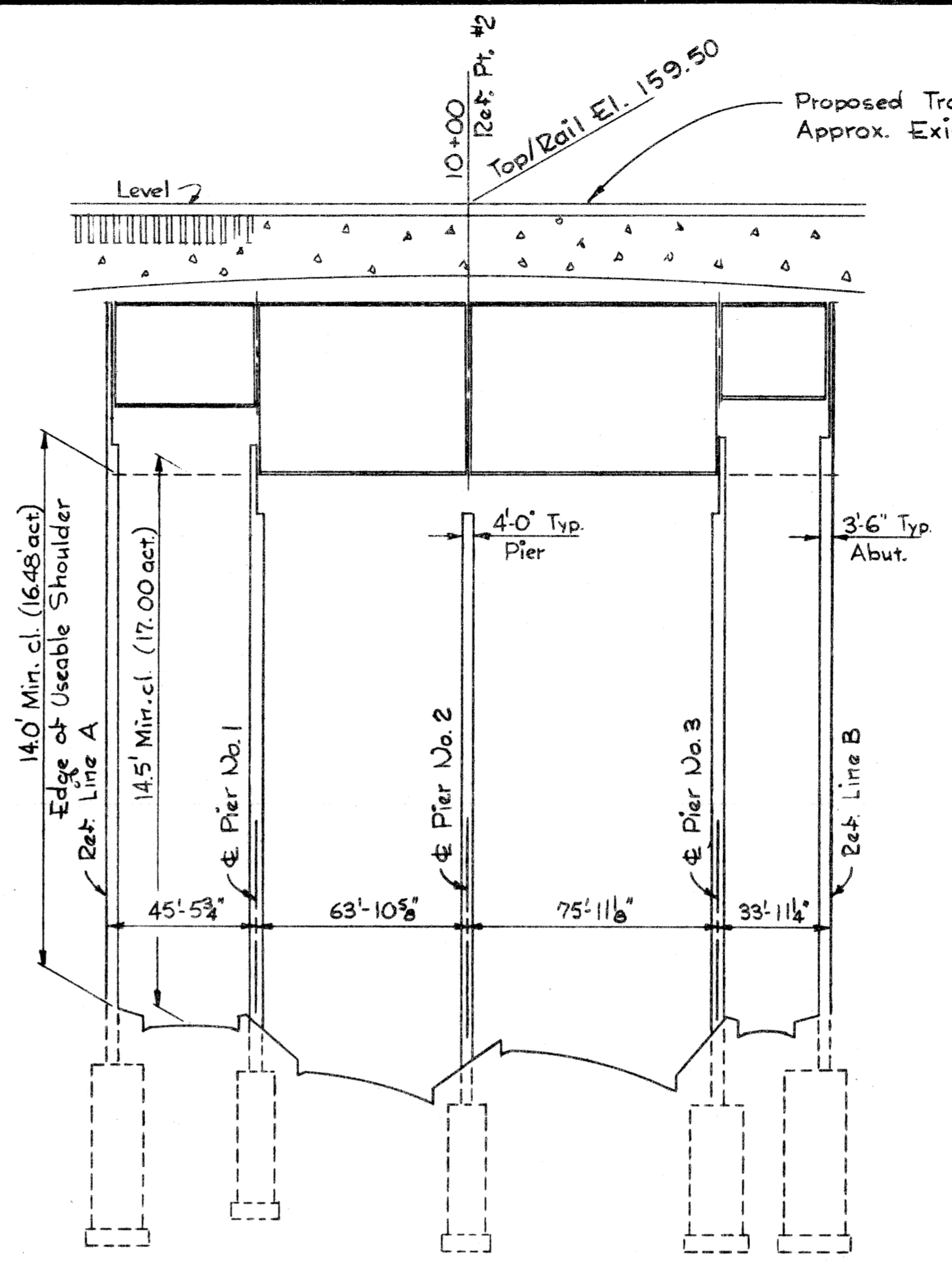
CITY OF DETROIT	DATE
DRAWN BY: <i>[Signature]</i>	4/62
TRACED BY: <i>[Signature]</i>	5/62
CHECKED BY: <i>[Signature]</i>	5/62
SHEET 4 OF 20	
X01, X02, X03 & X04 of 82252 A	



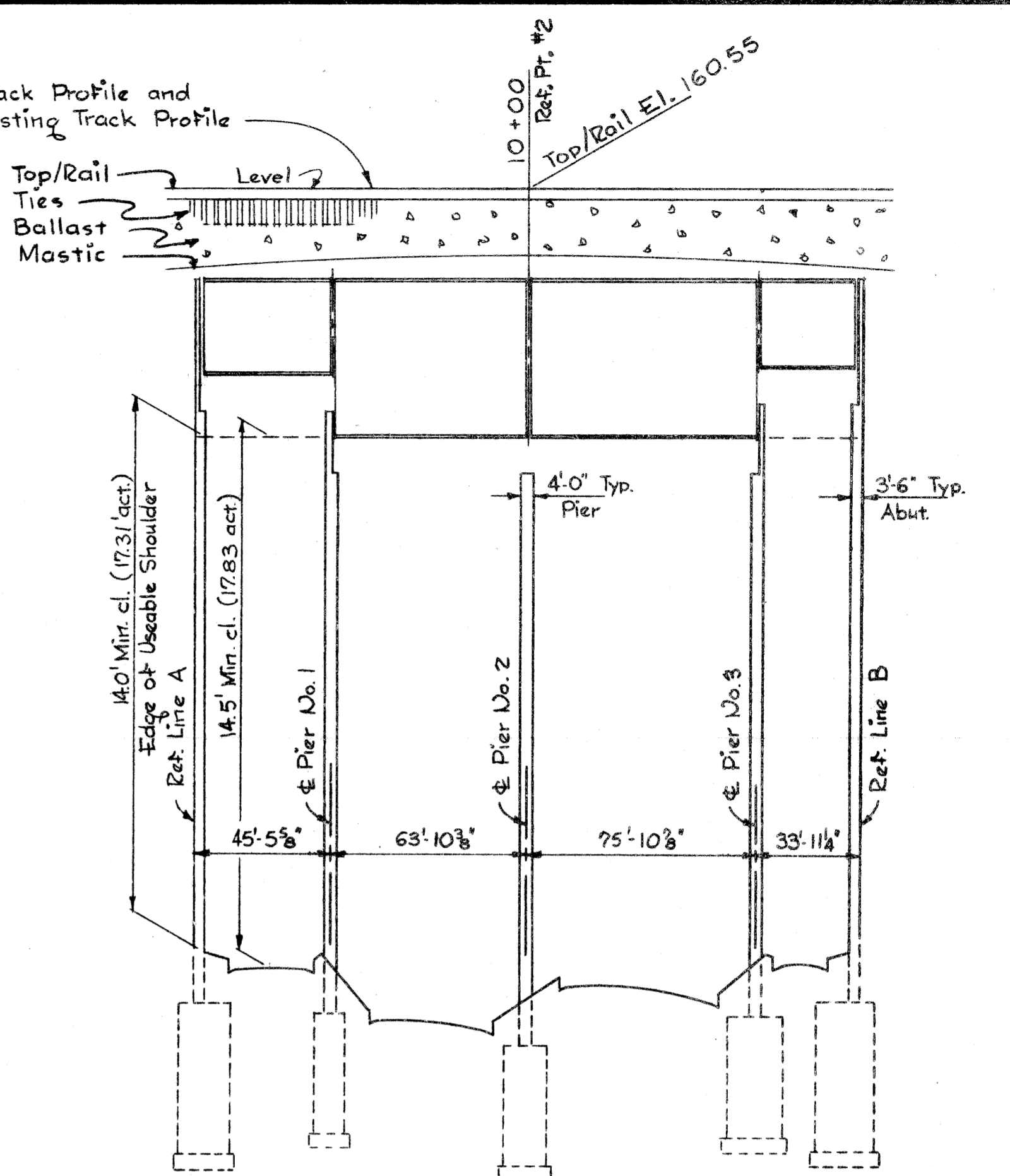
PROFILE ON BRIDGE CONSTR. Φ
NYC R.R. BRIDGE X01



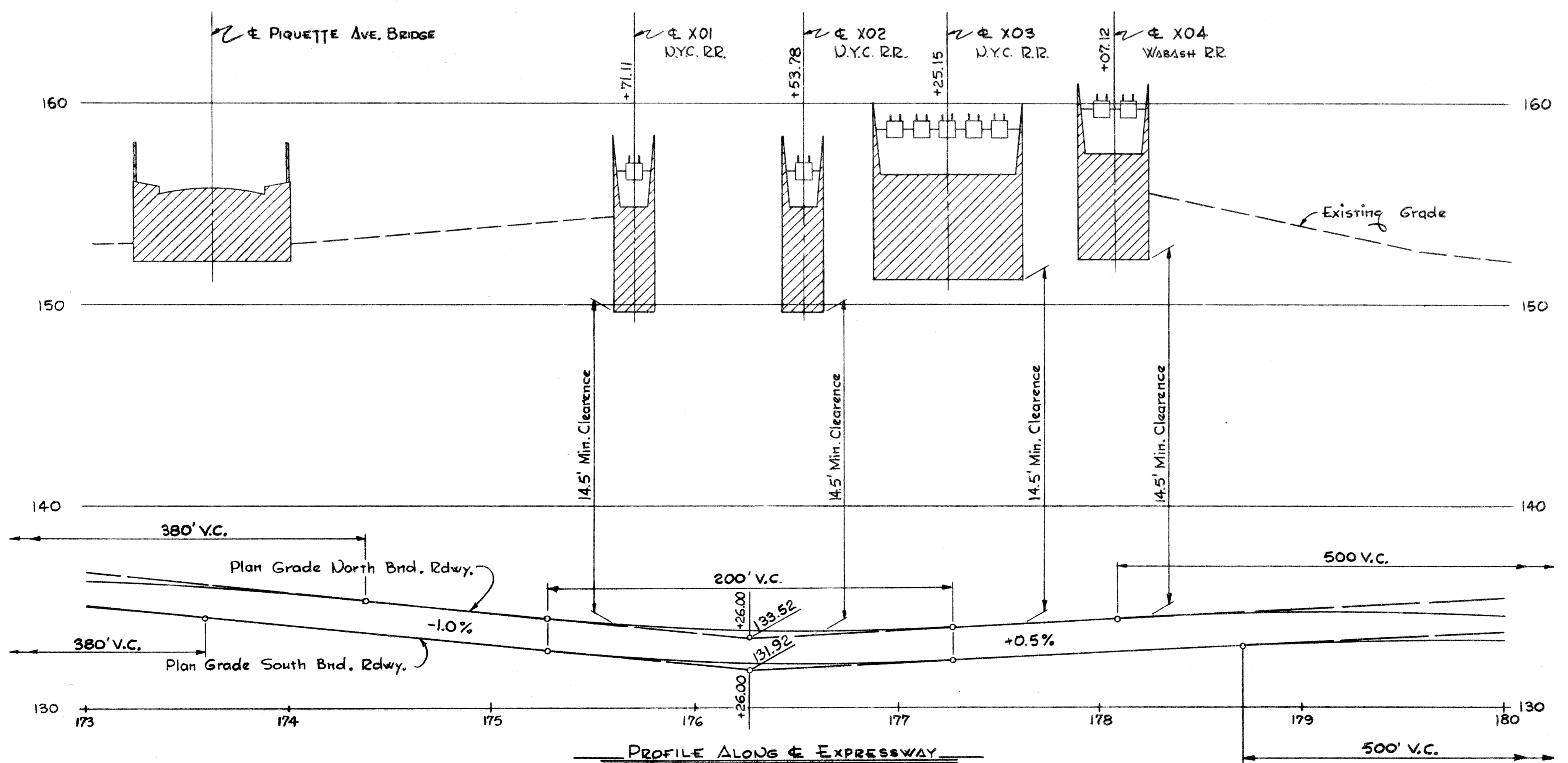
PROFILE ON BRIDGE CONSTR. Φ
NYC R.R. BRIDGE X02



PROFILE ON BRIDGE CONSTR. Φ
NYC R.R. BRIDGE X03



PROFILE ON BRIDGE CONSTR. Φ
WABASH R.R. BRIDGE X04



PROFILE ALONG Φ EXPRESSWAY
Scales Hor. 1" = 40'
Vert. 1" = 4'

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

CORRECT
RECOMMENDED FOR APPROVAL
By Assoc. Eng. Design

JOB No.
PW 897 C

NO.	DESCRIPTION	DATE	BY

CONTROL SECTION 82252 A

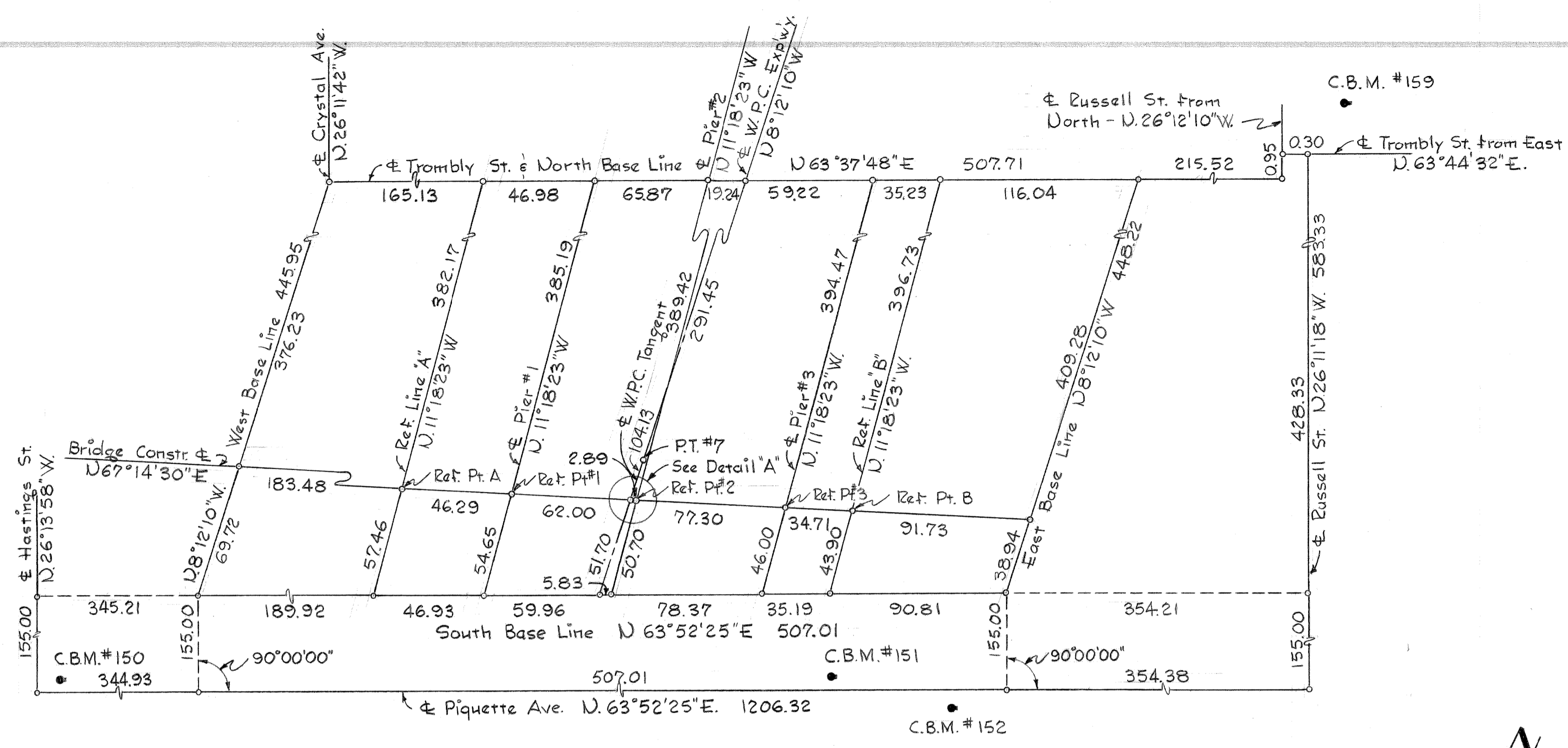
MICHIGAN STATE HIGHWAY DEPARTMENT
N. Y. C. R. R. - RUSSELL ST. YARD, N. Y. C. R. R. DETROIT BR.
AND WABASH R. R. CROSSING THE
WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

GENERAL DRAWING - PROFILES

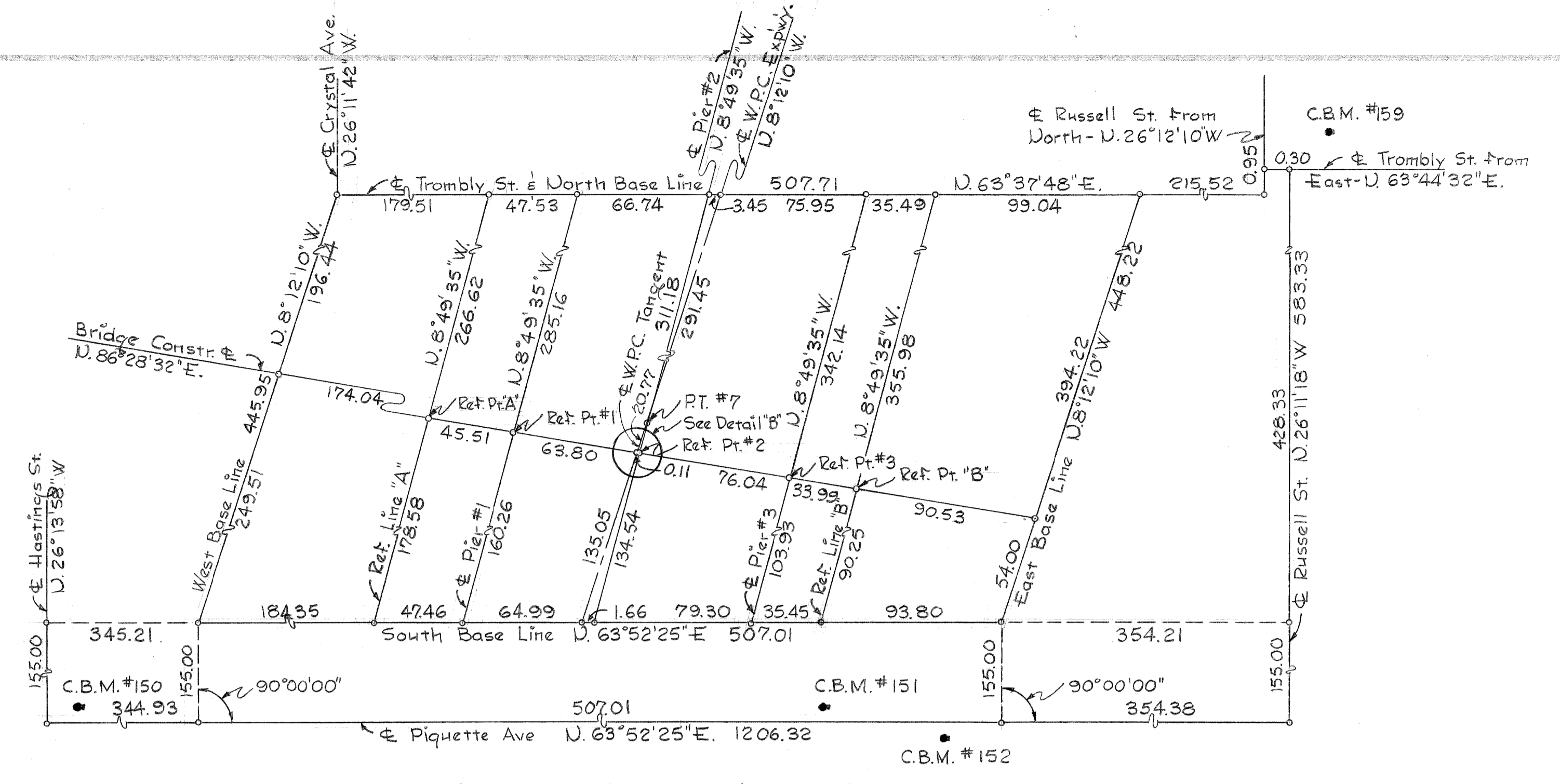
CITY OF DETROIT
SQUAD BOSS J. Cover 6/62
DRAWN BY Allen Berch 6/62
TRACED BY
CHECKED BY J. Cover 6/62
SHEET 5 OF 20

APPROVED _____ COORDINATING ENGINEER
APPROVED _____ ENGINEER OF DESIGN - CONSULTANTS

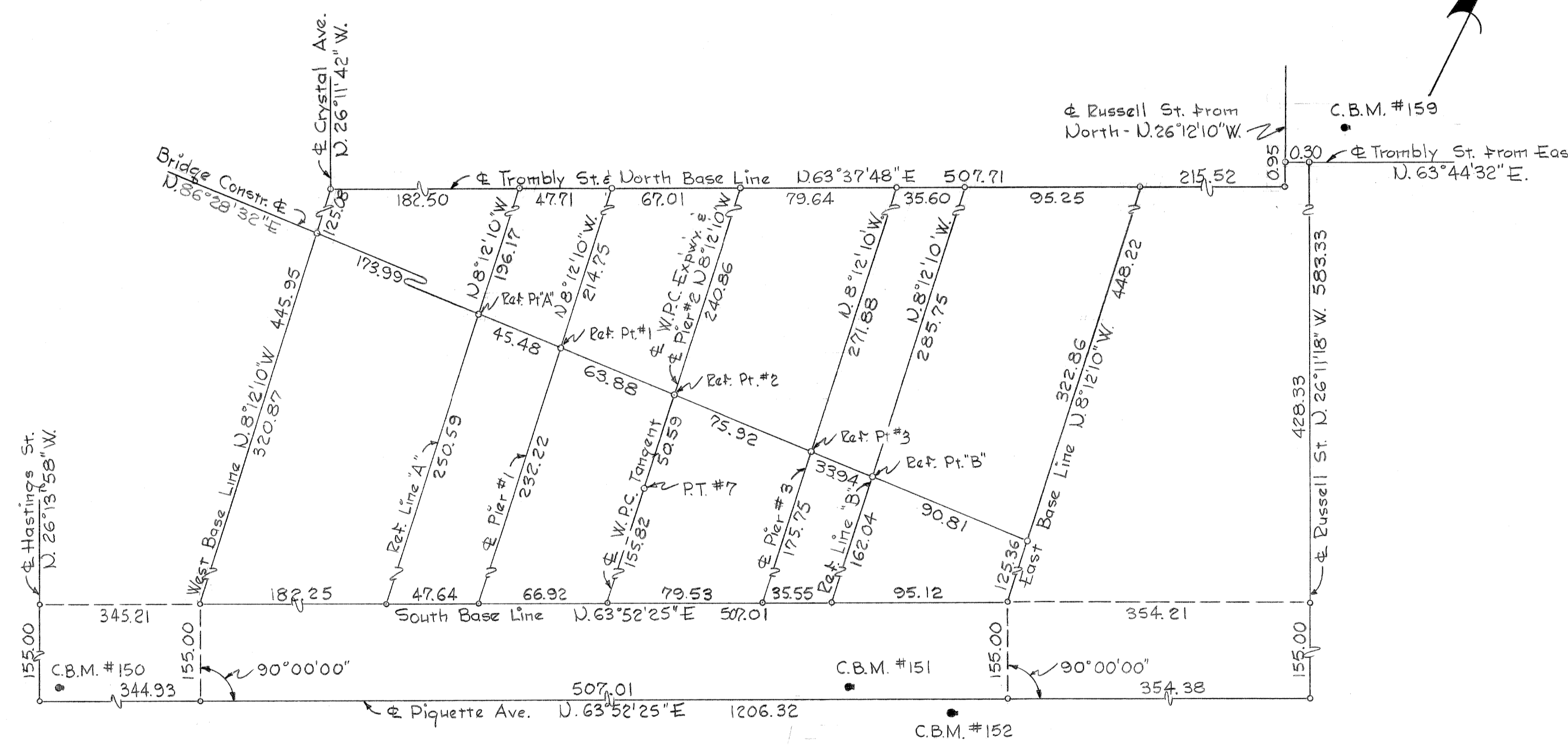
X01, X02, X03 & X04
of 82252 A



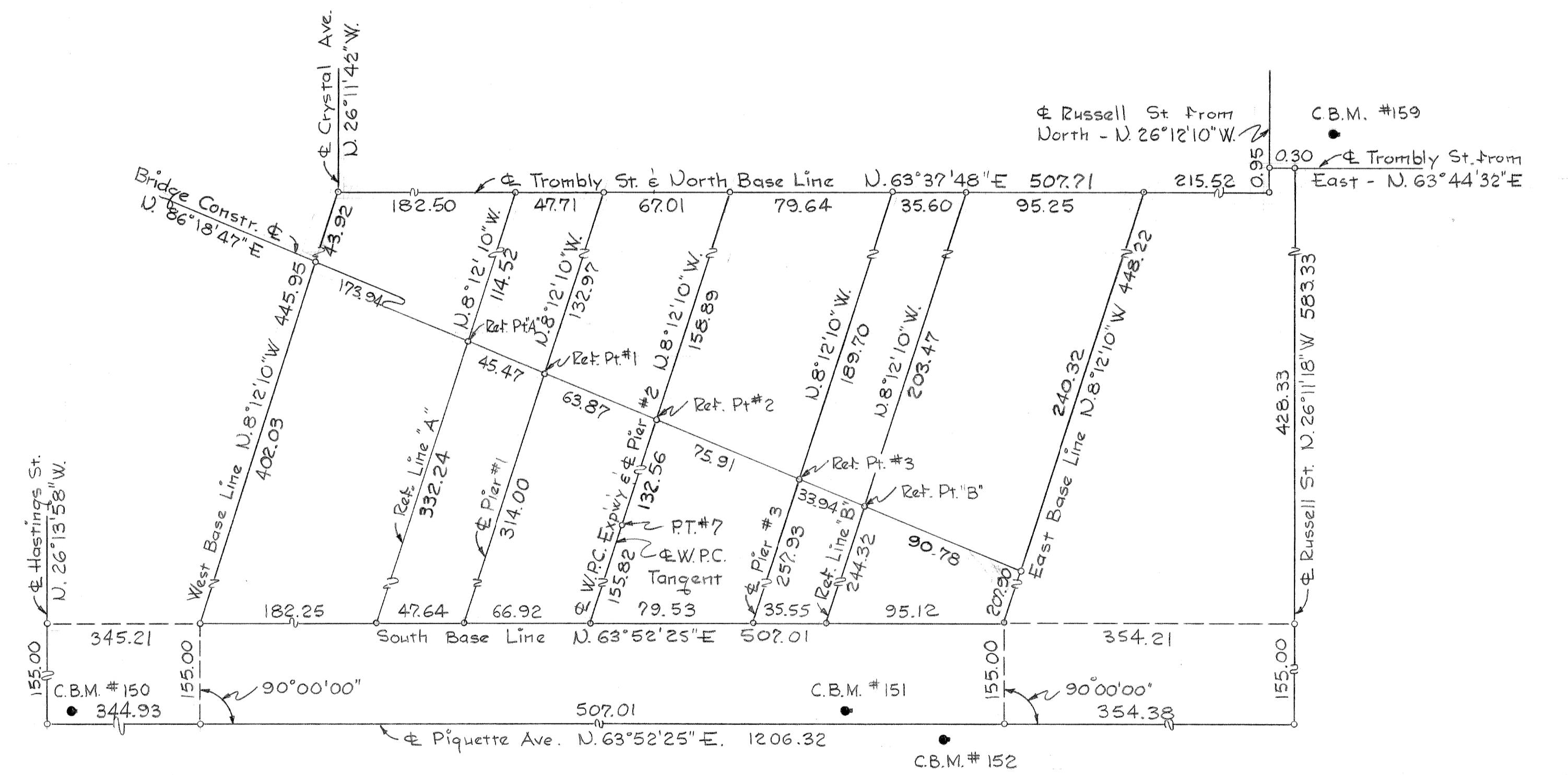
ALIGNMENT DIAGRAM X01



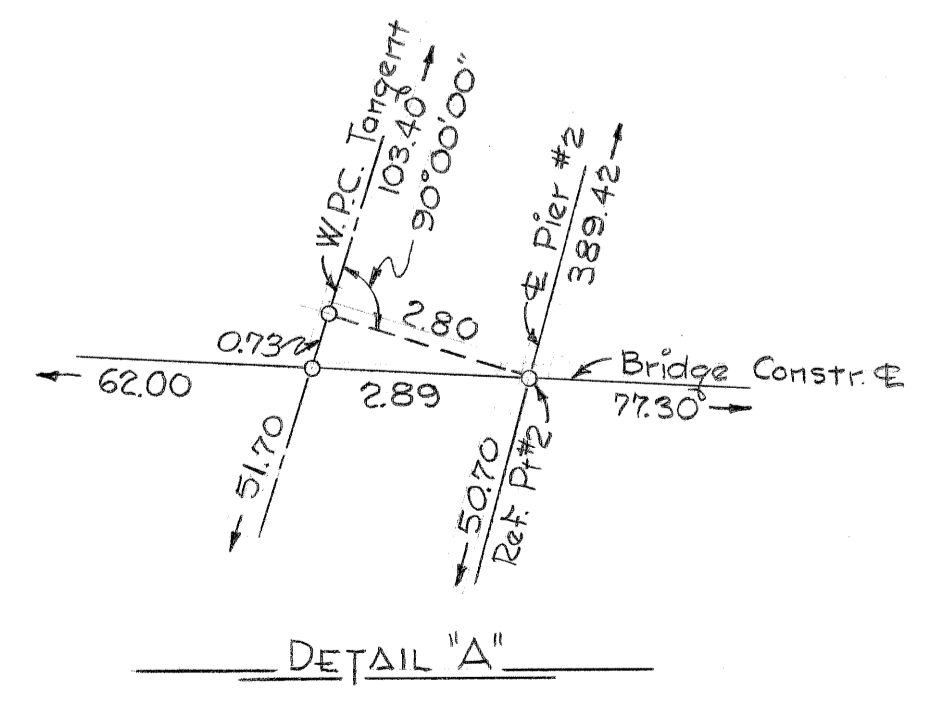
ALIGNMENT DIAGRAM X02



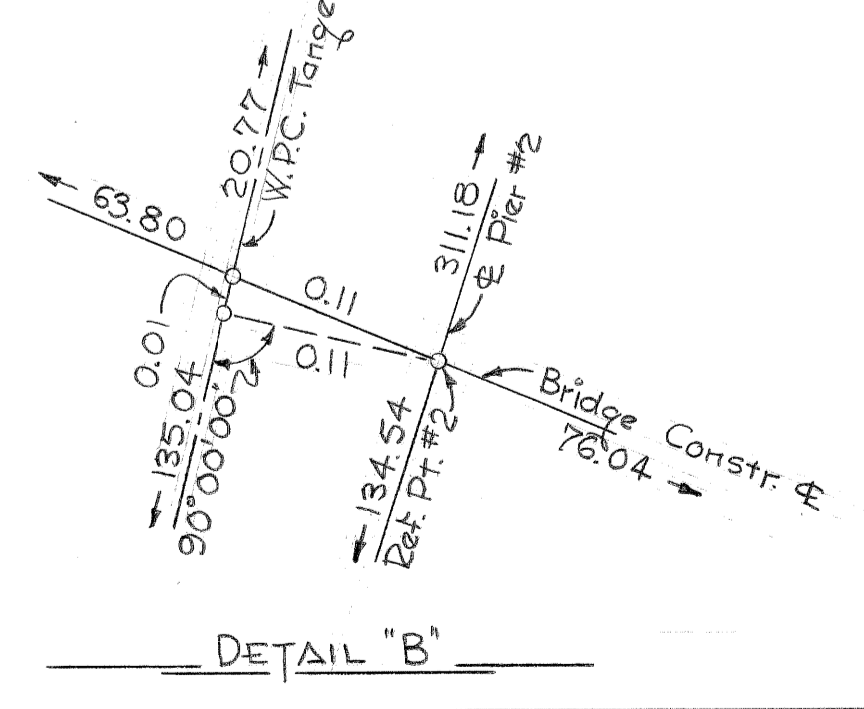
ALIGNMENT DIAGRAM X03



ALIGNMENT DIAGRAM X04



DETAIL "A"



DETAIL "B"

CONSTRUCTION BENCH MARKS
 C.B.M. #150 Arrow on hydrant - N.E. corner Hastings & Piquette - El. 154.892.
 C.B.M. #151 Arrow on hydrant - N.W. corner Rivard & Piquette - El. 156.621
 C.B.M. #152 Arrow on hydrant - S.E. corner Rivard & Piquette - El. 155.134
 C.B.M. #159 Arrow on hydrant - N.E. corner Russell & Trombly - El. 154.591
 C.B.M. denotes Construction Bench Mark
 o Indicates Ref. Pt. or Point of Intersection.

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

CORRECT FOR APPROVAL Sr. Assoc. Bridge Engr.
 RECOMMENDED FOR APPROVAL Sr. Assoc. Engr. - Expy. Design

JOB No. PW 897 C

NO.	DESCRIPTION	DATE	BY

CONTROL SECTION 82252A

MICHIGAN STATE HIGHWAY DEPARTMENT

N. Y. C. R. R. - RUSSELL ST. YARD, N. Y. C. R. R. DETROIT BR. AND WABASH R. R. CROSSING THE WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

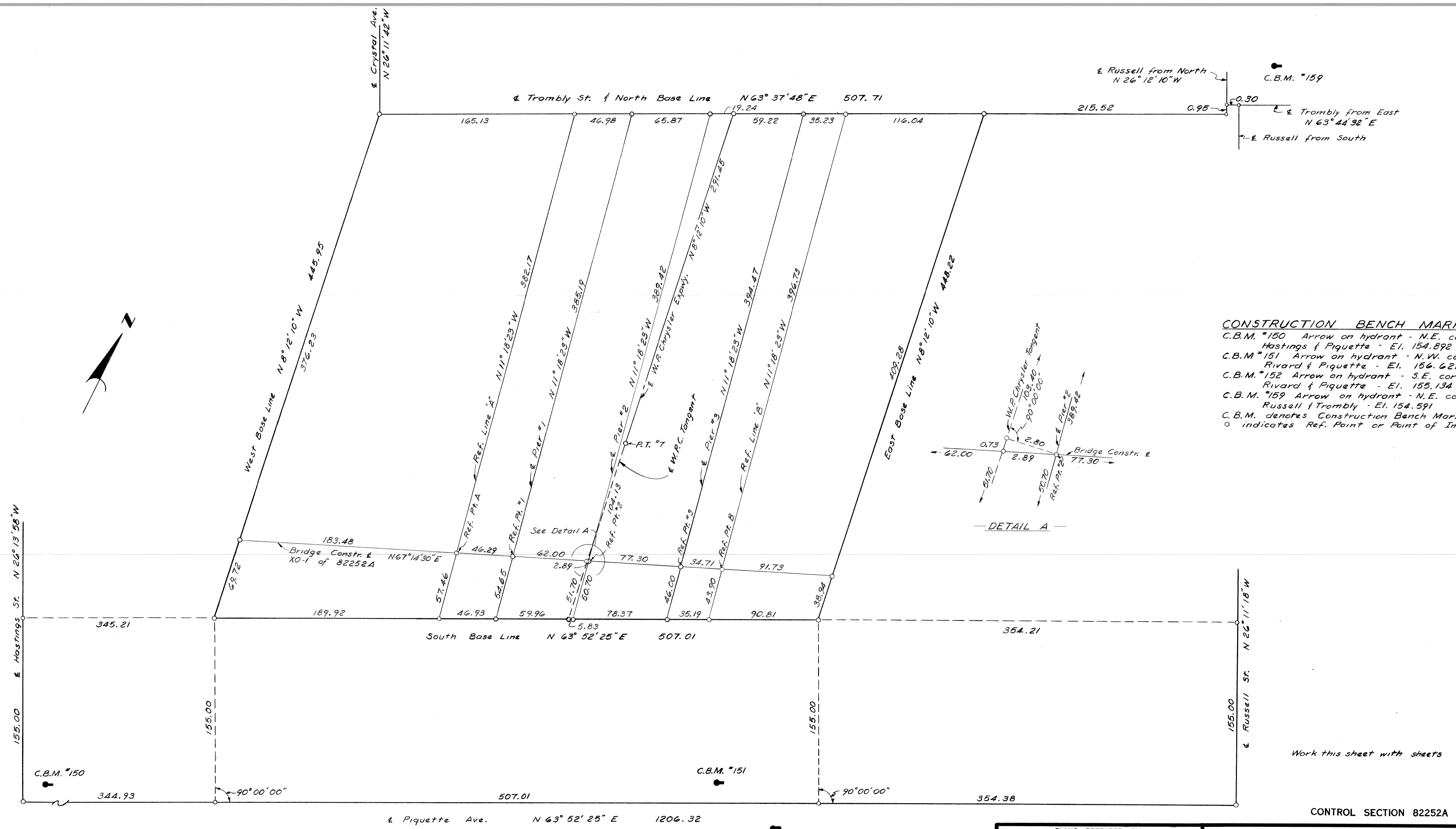
ALIGNMENT DIAGRAMS

CITY OF DETROIT
 SQUAD BOSS J. Covert 8/62
 DRAWN BY ALLEN BISHOP 8-62
 TRACED BY
 CHECKED BY B. Mosley 8-62
 SHEETS 6, 7, 8 & 9 of 20

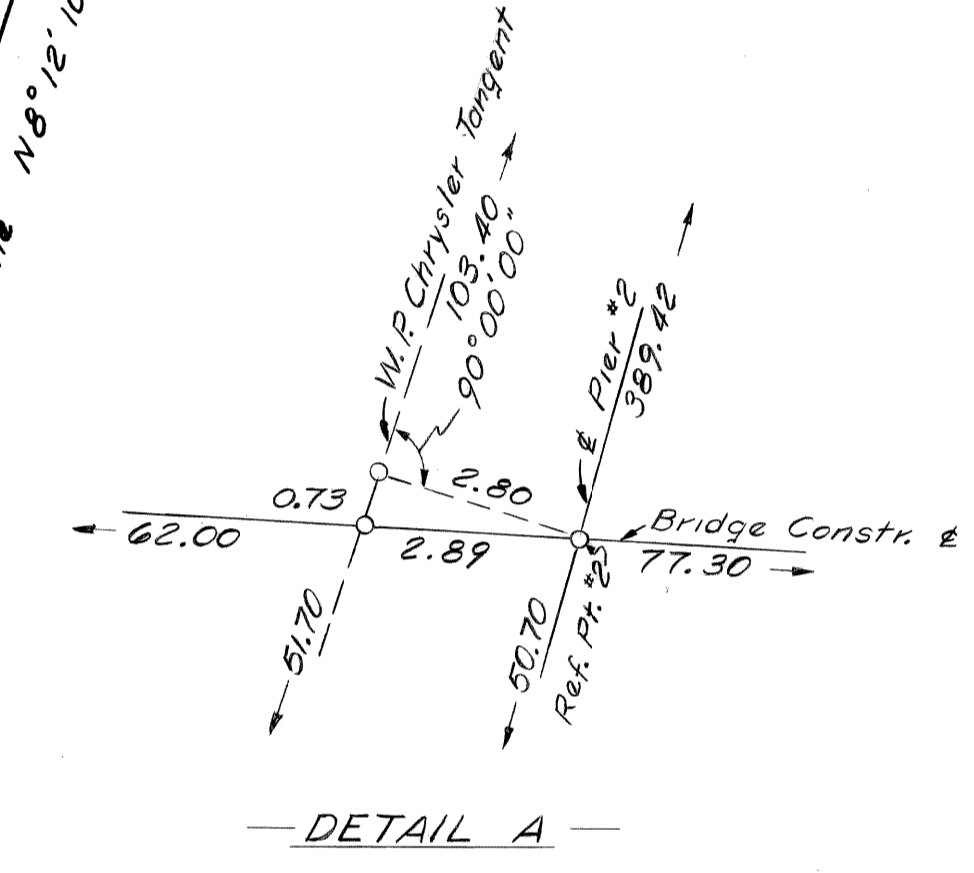
APPROVED _____ COORDINATING ENGINEER
 APPROVED _____ ENGINEER OF DESIGN - CONSULTANTS

NO. _____ DATE _____ BY _____

X01, X02, X03 & X04 of 82252A



CONSTRUCTION BENCH MARKS
 C.B.M. #150 Arrow on hydrant - N.E. corner Hastings & Piquette - El. 154.892
 C.B.M. #151 Arrow on hydrant - N.W. corner Rivard & Piquette - El. 156.621
 C.B.M. #152 Arrow on hydrant - S.E. corner Rivard & Piquette - El. 155.134
 C.B.M. #159 Arrow on hydrant - N.E. corner Russell & Trombly - El. 154.591
 C.B.M. denotes Construction Bench Mark
 o indicates Ref. Point or Point of Intersection.



ALIGNMENT DIAGRAM
 Scale: 1" = 40'-0"

Work this sheet with sheets

CONTROL SECTION 82252A

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

CORRECT FOR APPROVAL: *[Signature]*
 RECOMMENDED FOR APPROVAL: *[Signature]*
 Sr. Assoc. Bridge Eng.
 Sr. Assoc. Eng. - Station Design

JOB No. **PW897C**

NO.	DESCRIPTION	DATE	BY

MICHIGAN STATE HIGHWAY DEPARTMENT

N. Y. C. R. R. - RUSSELL ST. YARD, N. Y. C. R. R. DETROIT BR. AND WABASH R. R. CROSSING THE WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

ALIGNMENT DIAGRAM

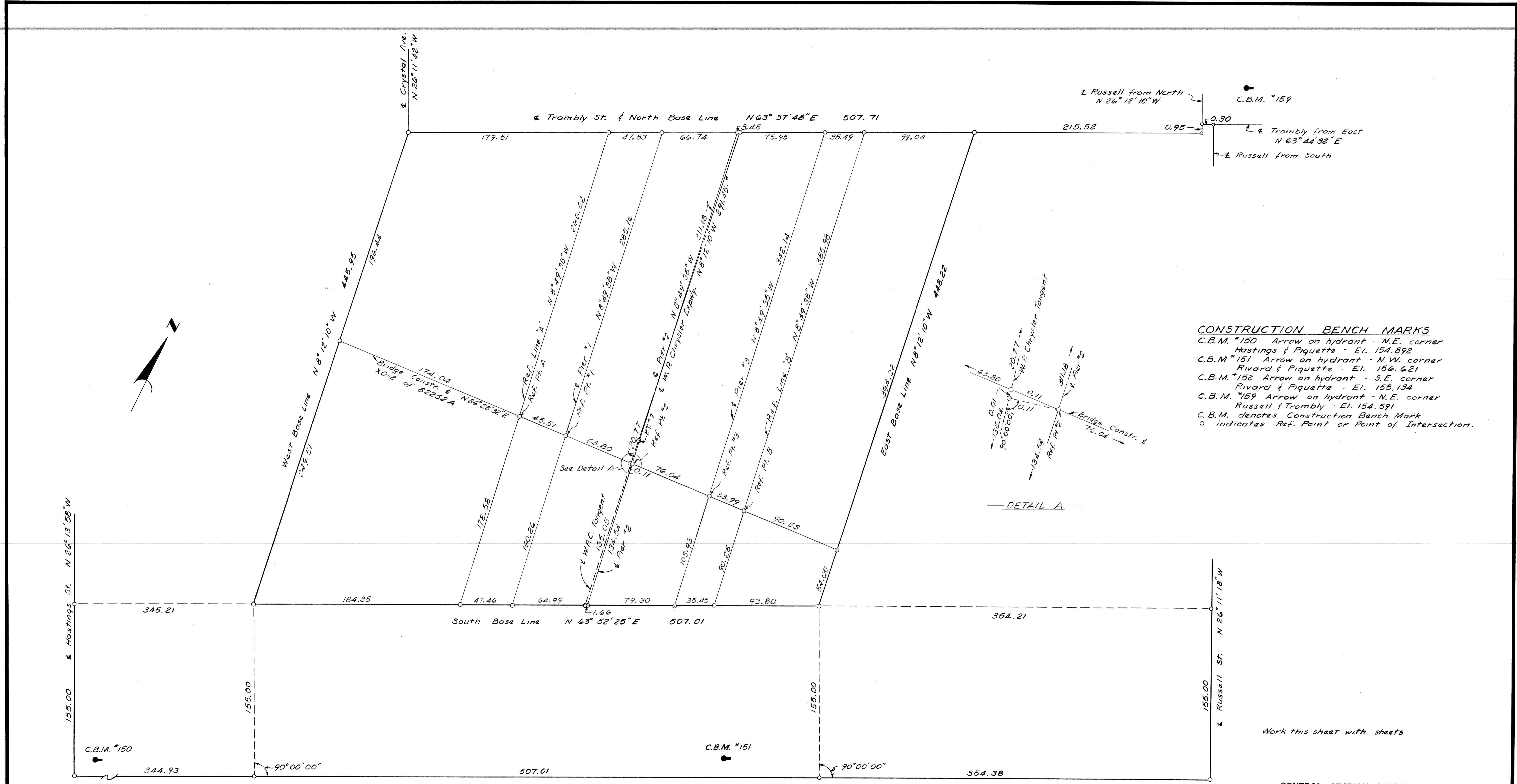
CITY OF DETROIT

SQUAD BOSS	<i>[Signature]</i>	6/62
DRAWN BY	<i>[Signature]</i>	1-62
TRACED BY	<i>[Signature]</i>	2-62
CHECKED BY	<i>[Signature]</i>	3/62
SHEET	6	OF 20

APPROVED _____ COORDINATING ENGINEER

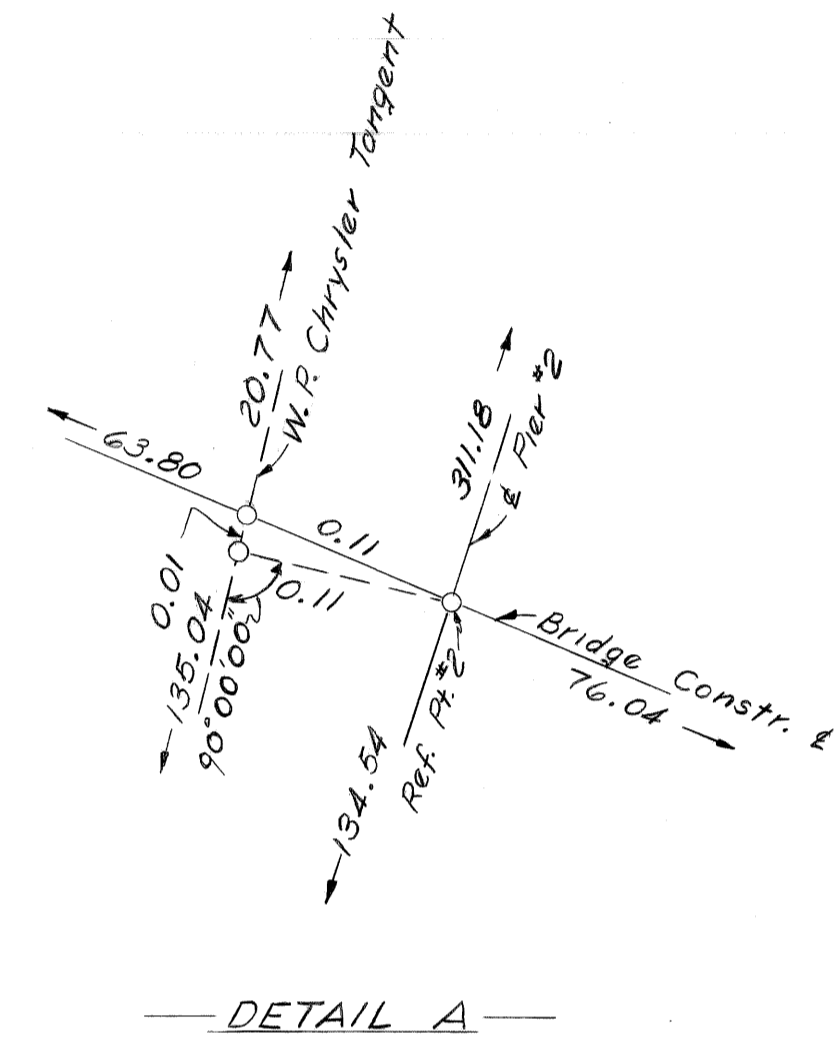
APPROVED _____ ENGINEER OF DESIGN - CONSULTANTS

XO1 of 82252A



CONSTRUCTION BENCH MARKS

C.B.M. #150 Arrow on hydrant - N.E. corner
 Hastings & Piquette - El. 154.892
 C.B.M. #151 Arrow on hydrant - N.W. corner
 Rivard & Piquette - El. 156.621
 C.B.M. #152 Arrow on hydrant - S.E. corner
 Rivard & Piquette - El. 155.134
 C.B.M. #159 Arrow on hydrant - N.E. corner
 Russell & Trombly - El. 154.591
 C.B.M. denotes Construction Bench Mark
 O indicates Ref. Point or Point of Intersection.



— ALIGNMENT DIAGRAM —
 Scale: 1" = 40'-0"

Work this sheet with sheets

CONTROL SECTION 82252A

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

CORRECT
 RECOMMENDED FOR APPROVAL
 St. Assoc. Engr. & Survey Design

JOB No.
PW897C

NO.	DESCRIPTION	DATE	BY

MICHIGAN STATE HIGHWAY DEPARTMENT
 N. Y. C. R. R. - RUSSELL ST. YARD, N. Y. C. R. R. DETROIT BR.
 AND WABASH R. R. CROSSING THE
 WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

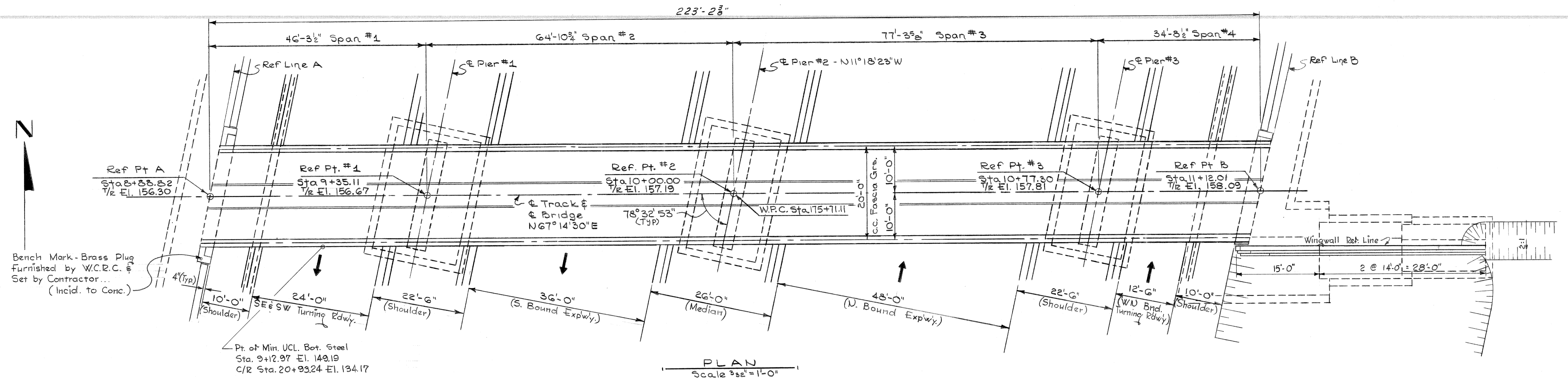
ALIGNMENT DIAGRAM

CITY OF DETROIT
 SQUAD BOSS: J. Covert 6/62
 DRAWN BY: W.G. Harvey 1-62
 CHECKED BY: D. Green 2-62
 SHEET 7 OF 20

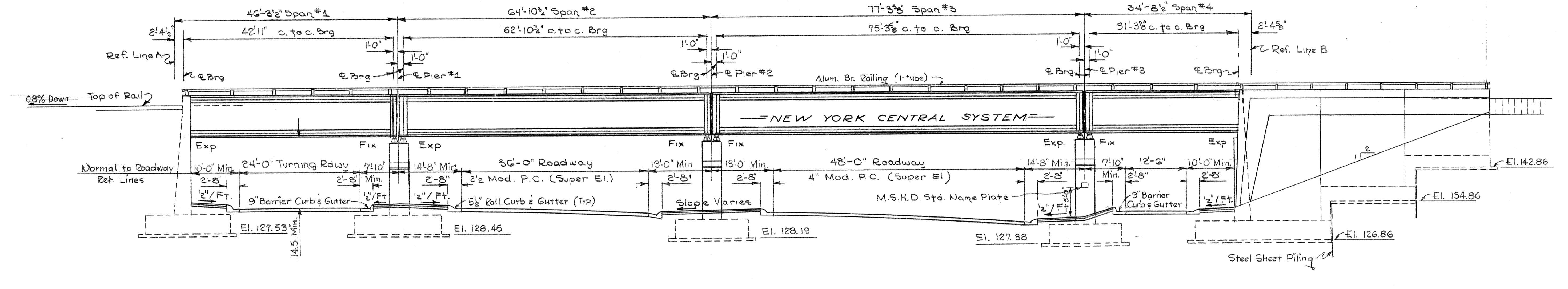
APPROVED _____
 COORDINATING ENGINEER

APPROVED _____
 ENGINEER OF DESIGN - CONSULTANTS

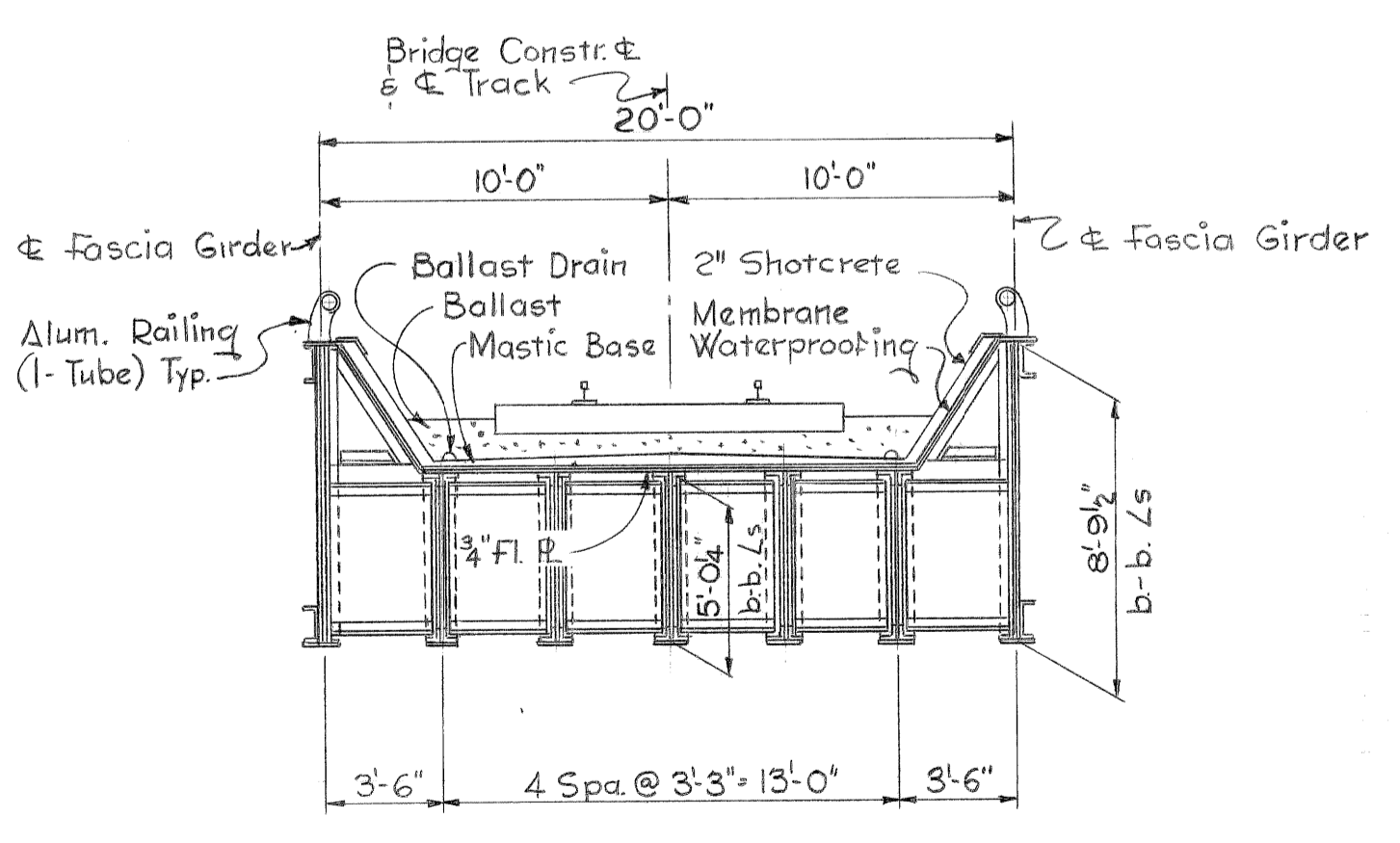
X02 of 82252A



PLAN
Scale 3/32" = 1'-0"



ELEVATION
Scale 3/32" = 1'-0"



TYPICAL CROSS SECTION
Scale: 3/16" = 1'-0"

GIRDER INFORMATION

Span 1 - 36 WF 135/11x 3/8" R	Span 3 - Web R 60x 3/8" 4Ls 6x6x 3/4" Bot. R 2-14x 5/8"
Span 2 - Web R 60x 3/8" 4Ls 6x6x 3/4" Bot. R 1-14x 1/2"	Span 4 - 33 WF 118
Fascia Girders (Typ. All Spans) Web R 105x 1/2" 4Ls 6x6x 3/8" C.P. 14x 3/8" Top & Bot. Ext. Ls 2-6x4x 3/8"	

FOOTING PRESSURES (p.s.f.)

	Maximum Av. D.L.	Allowable E+I.O	Maximum DL & LL	Allowable E+I.S
Abut.	2,450	4,800	6,050	6,800
Pier	2,800	4,500	5,600	6,350
Walls	2,600	3,900	4,700	5,450

GENERAL NOTES:
The design for the superstructure is based on A.R.E.A. Specifications for Steel Railway Bridges, 1959 Edition, Cooper E72 Loading & Specified Impact. Substructure design is based on M.S.H.D. Specifications for the design of Highway Bridges, 1958 Edition.

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

CORRECT: *[Signature]*
RECOMMENDED FOR APPROVAL: *[Signature]*
St. Assoc. Engr. - Expt. Design

REVISIONS

JOB No.
PW 897C

CONTROL SECTION 82252 A

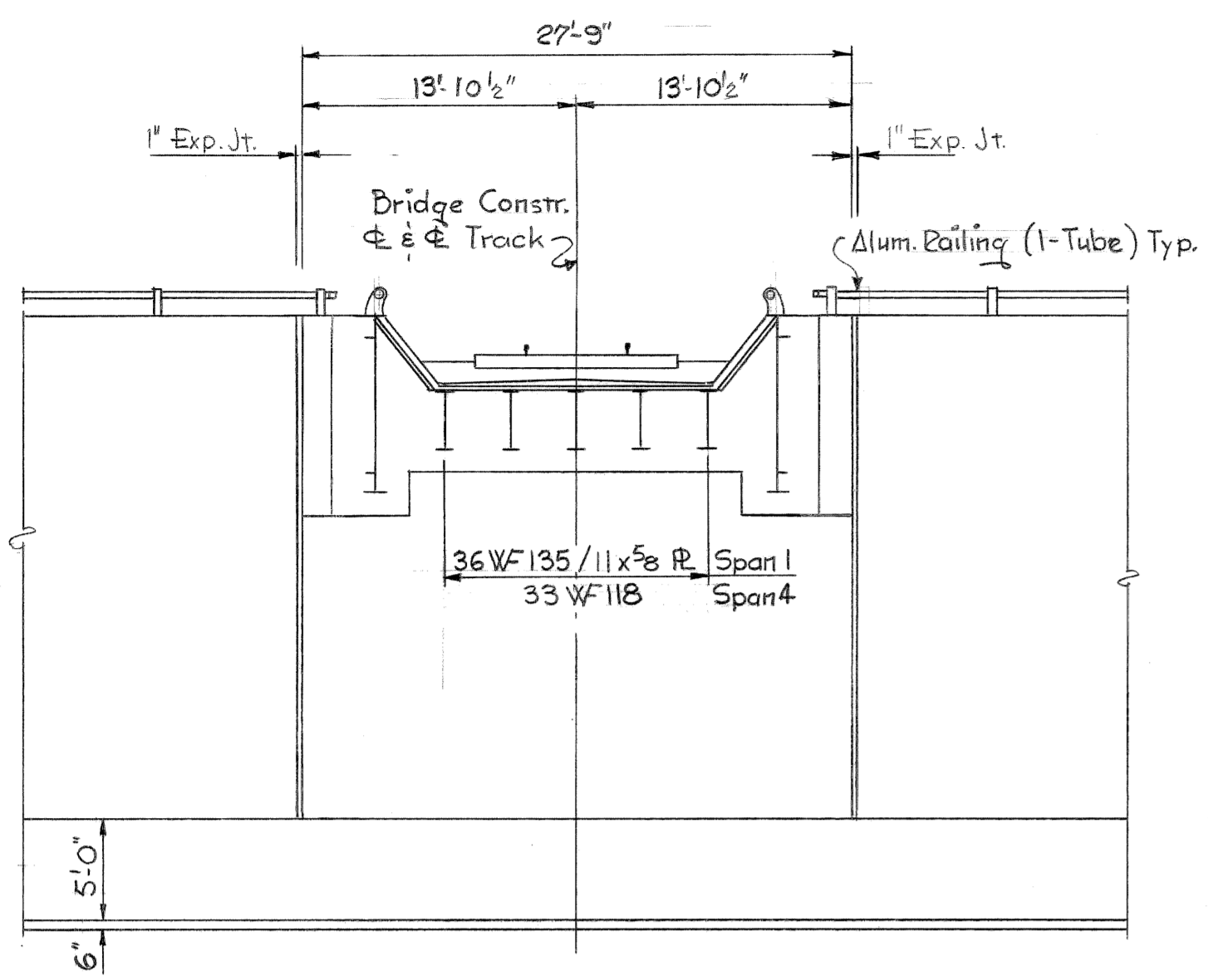
MICHIGAN STATE HIGHWAY DEPARTMENT
N. Y. C. R. R. - RUSSELL ST. YARD. N. Y. C. R. R. DETROIT BR
AND WABASH R. R. CROSSING THE
WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

GENERAL PLAN OF STRUCTURE

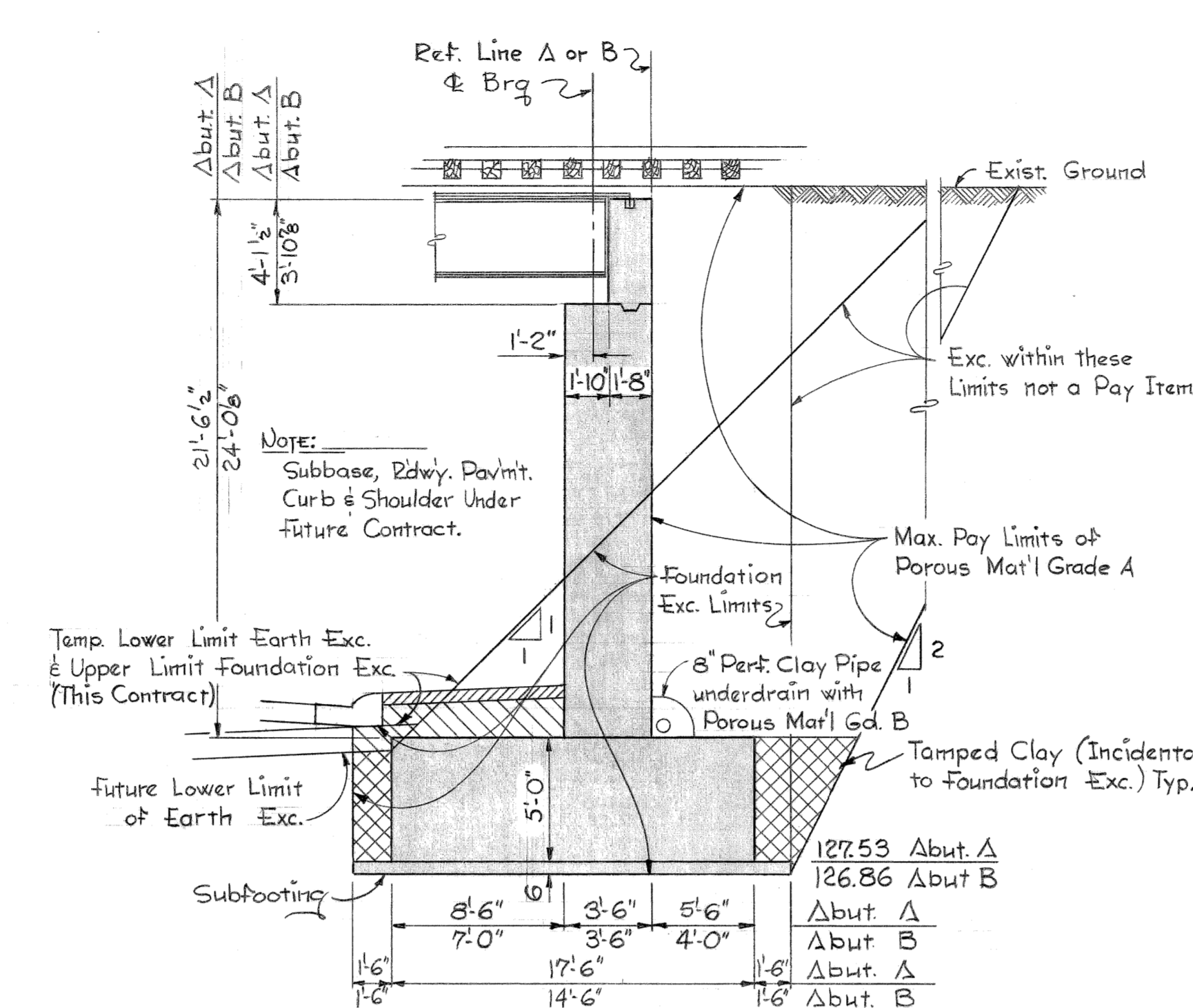
APPROVED: _____ COORDINATING ENGINEER
APPROVED: _____ ENGINEER OF DESIGN-CONSULTANTS

CITY OF DETROIT
SQUAD BOSS: J. Covert / 6/62
DRAWN BY: [Signature] / 1-62
CHECKED BY: [Signature] / 6-62
SHEET 10 OF 20

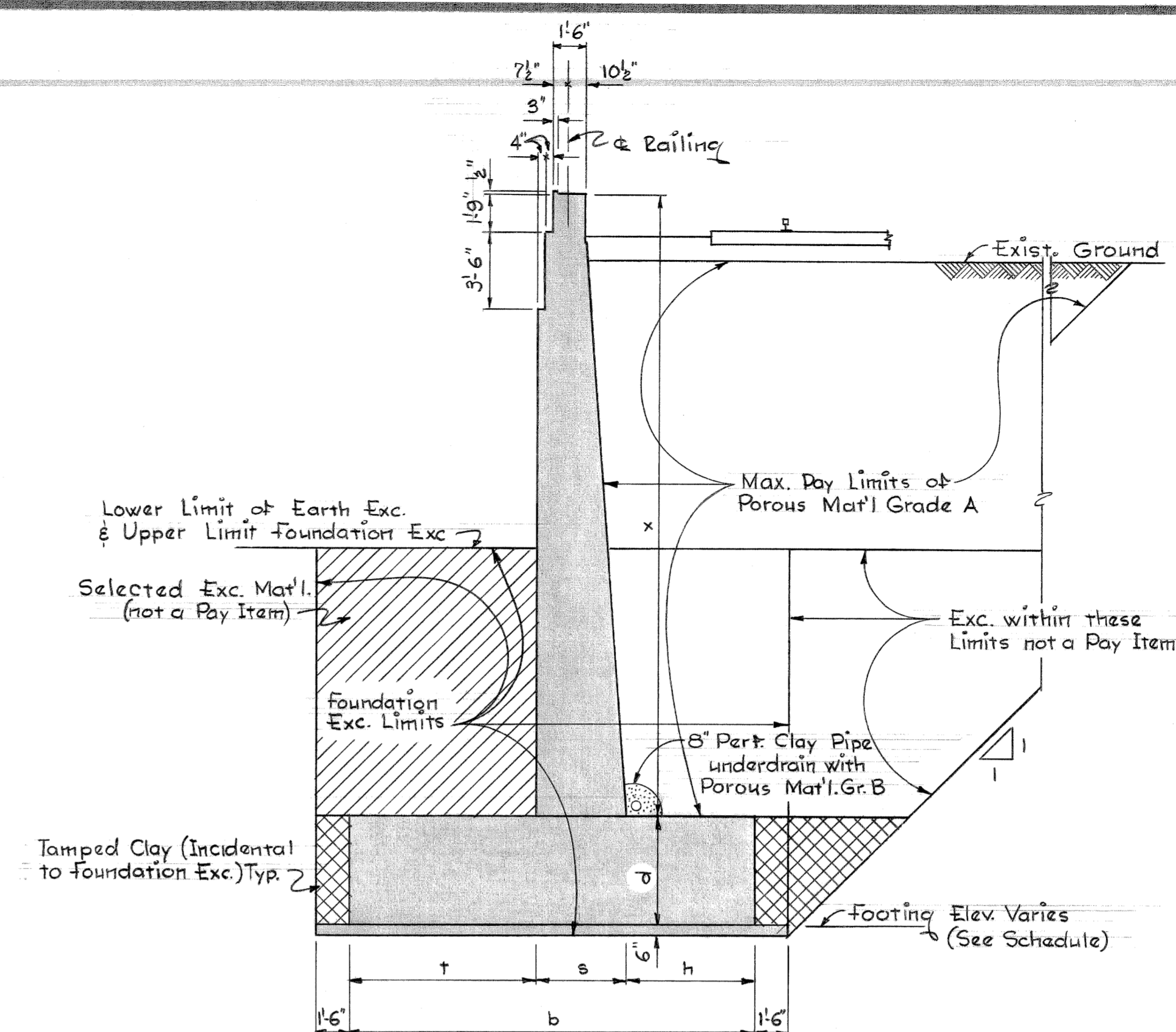
XO1 of 82252 A



TYPICAL ABUTMENT ELEVATION
Scale: 1/8" = 1'-0"



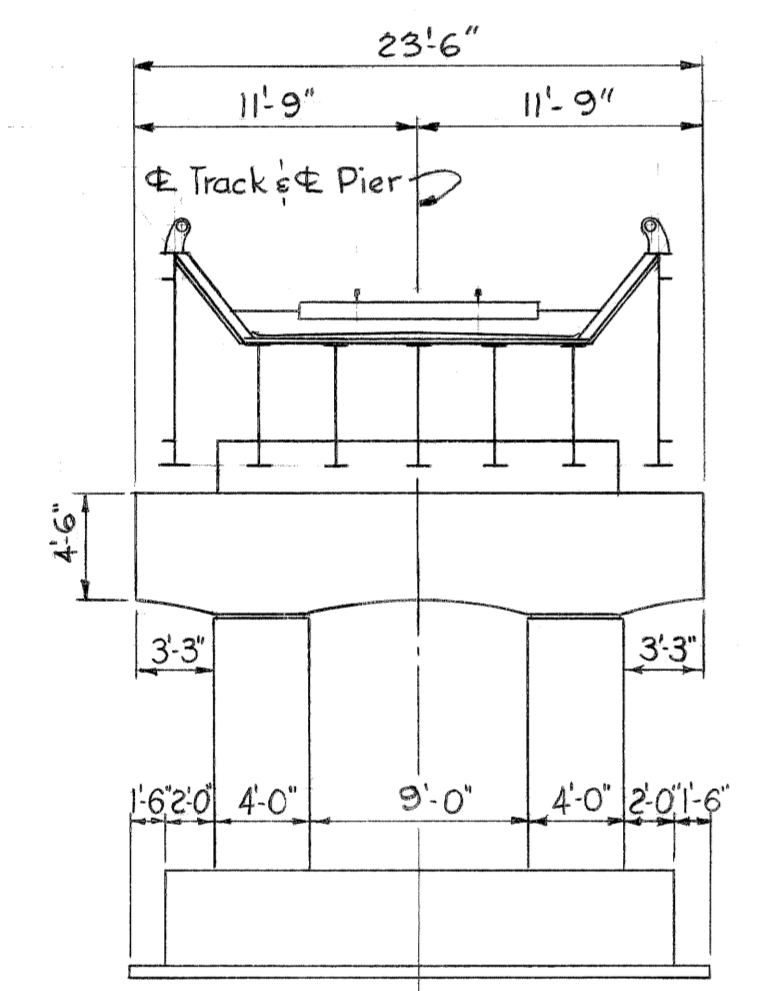
TYPICAL SECTION THRU ABUTMENT
Scale: 3/16" = 1'-0"



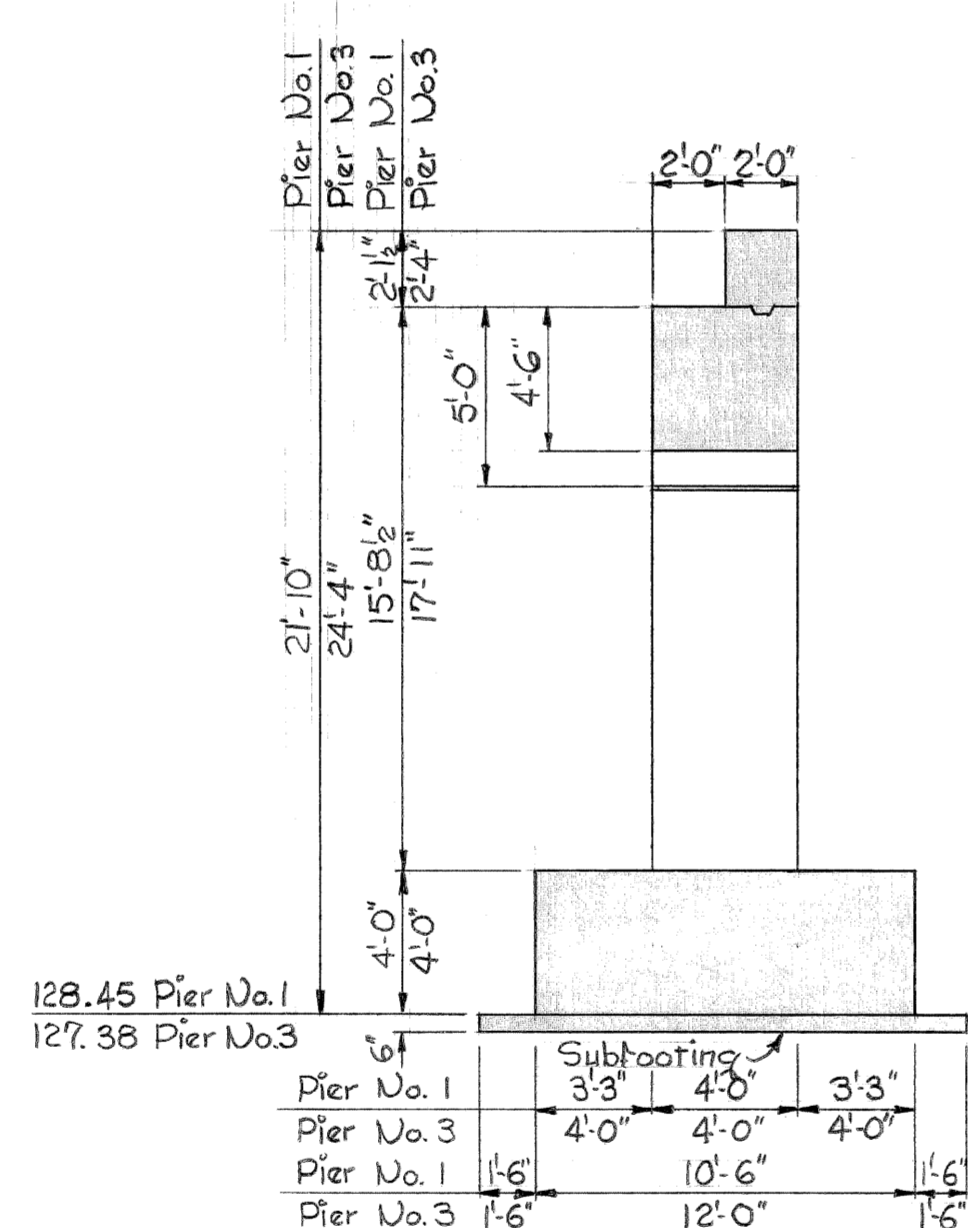
TYPICAL SECTION THRU WINGWALL
Scale: 3/16" = 1'-0"

WINGWALL SCHEDULE

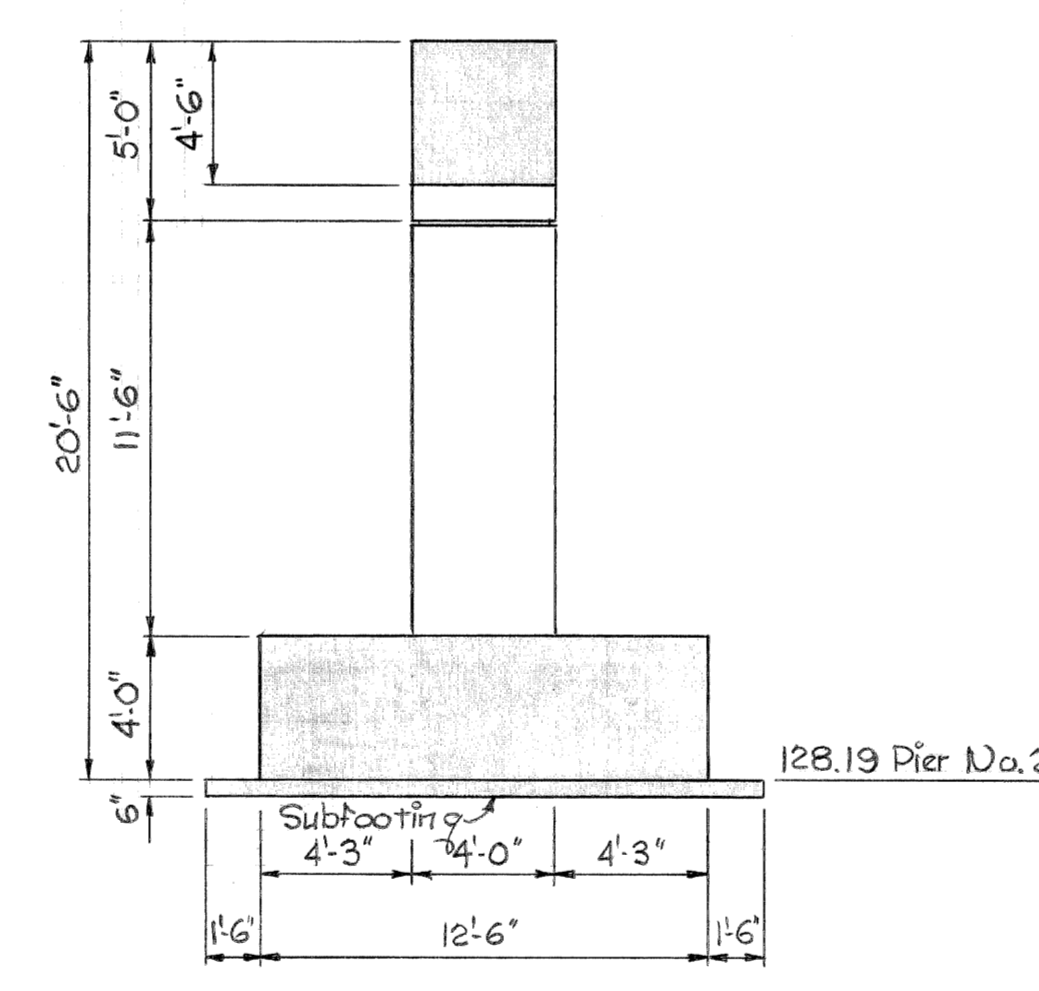
Wingwall Dept.	Sec.	Base	Heel	Stem	Toe	Fig. Depth	Bot of Frig. Elev.	Maximum Height
No. 1 (East Wall)	a-g	b	h	s	t	d		x
	c-c							



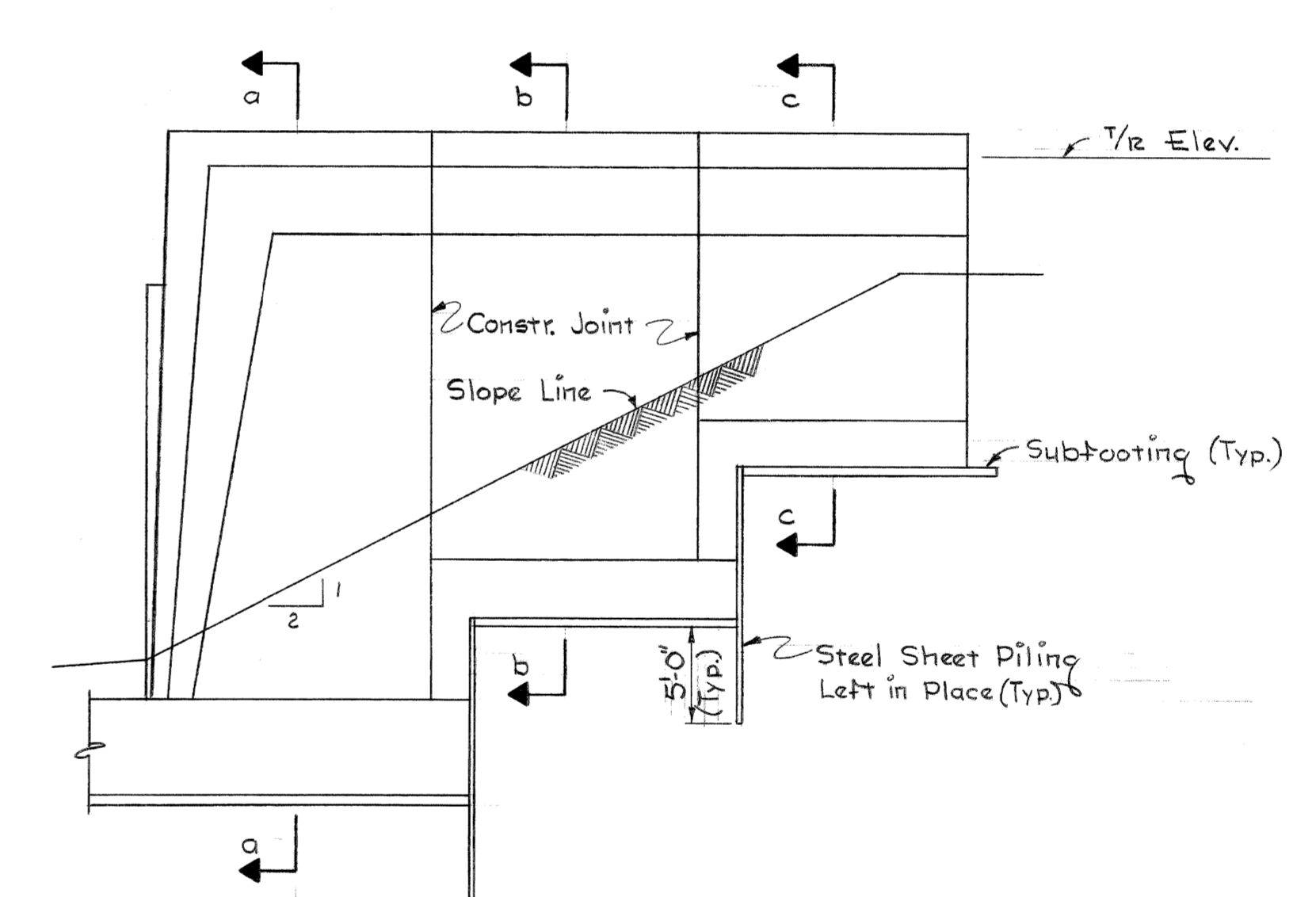
TYPICAL PIER ELEVATION
Scale: 1/8" = 1'-0"



TYPICAL SECTION THRU PIERS No. 1 & 3
Scale: 3/16" = 1'-0"



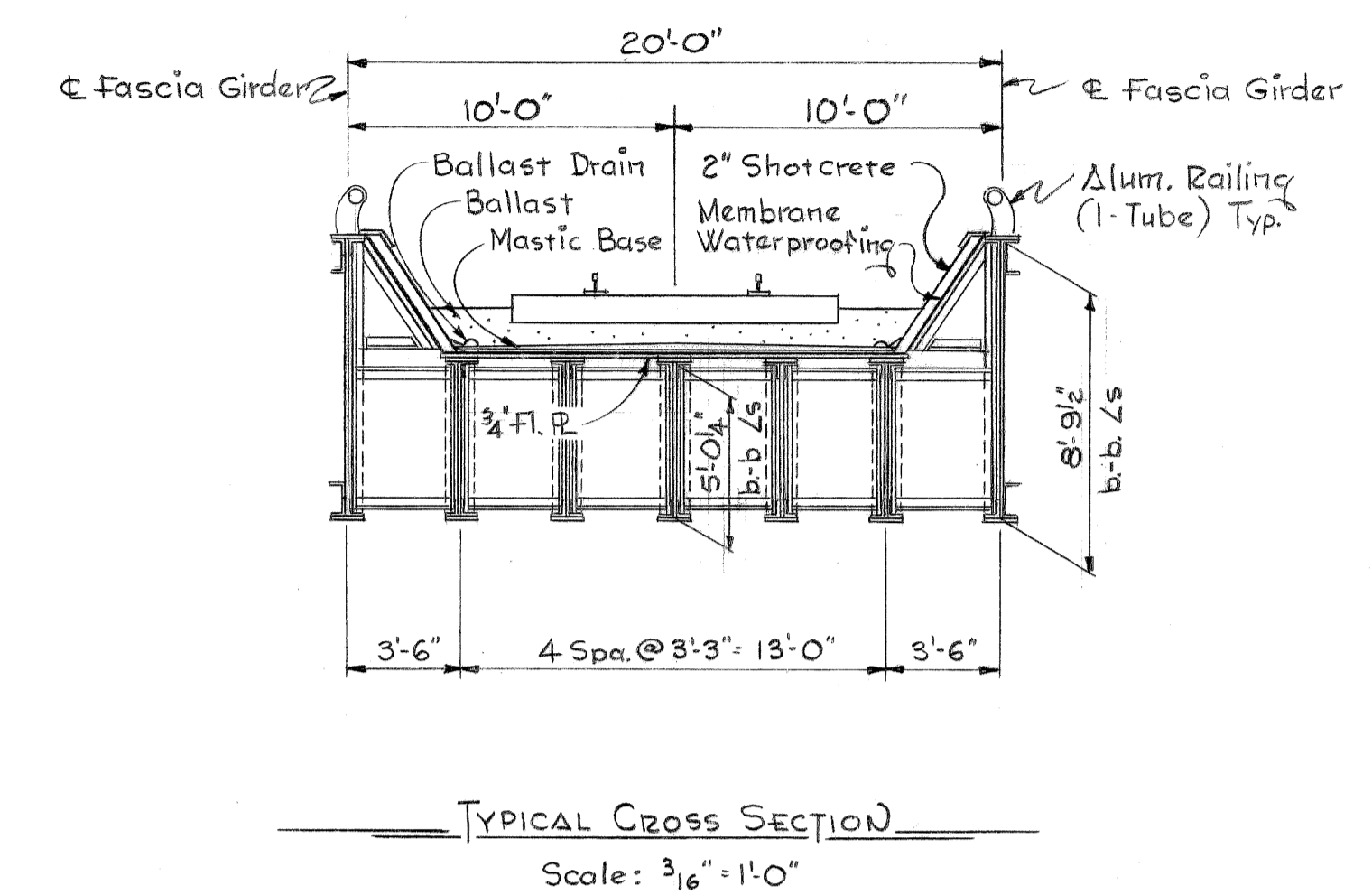
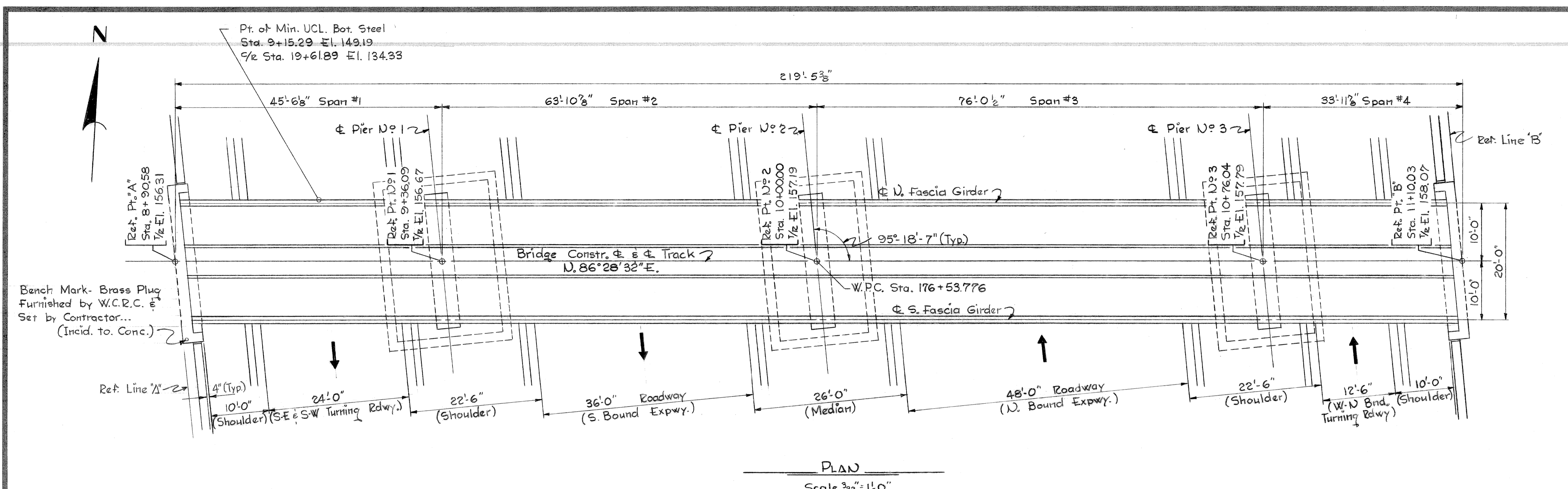
TYPICAL SECTION THRU PIER No. 2
Scale: 3/16" = 1'-0"



TYPICAL WINGWALL ELEVATION

CONTROL SECTION 82252A

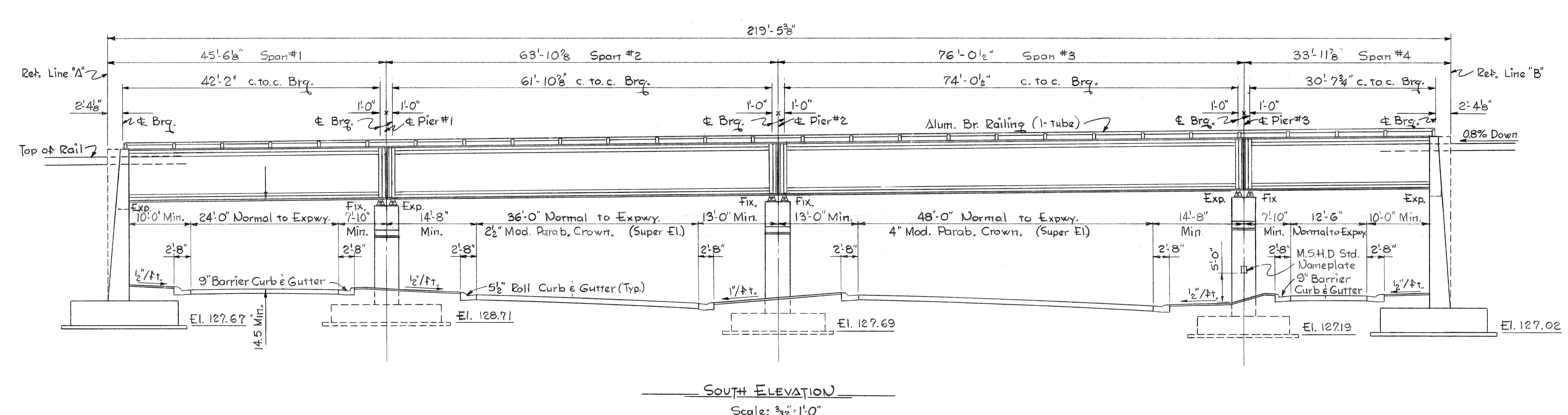
PLANS PREPARED BY CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE BUREAU OF HIGHWAYS AND EXPRESSWAYS CORRECT FOR APPROVAL RECOMMENDED FOR APPROVAL Sr. Assoc. Bridge Eng. Sr. Assoc. Engr. - Express. Design		JOB No. PW897 C	MICHIGAN STATE HIGHWAY DEPARTMENT N. Y. C. R. R. - RUSSELL ST. YARD, N. Y. C. R. R. DETROIT BR. AND WABASH R. R. CROSSING THE WALTER P. CHRYSLER EXPRESSWAY IN DETROIT GENERAL PLAN OF STRUCTURE
NO. DESCRIPTION DATE BY		CITY OF DETROIT SQUAD BOSS J. Covert DRAWN BY Allen TRACED BY CHECKED BY J. Covert SHEET 11 OF 20 XOI of 82252A	APPROVED _____ COORDINATING ENGINEER APPROVED _____ ENGINEER OF DESIGN - CONSULTANTS



GIRDER INFORMATION

Span 1 - 36 WF 135/11 3/8" R	Span 3 - Web R 60 x 3 3/8" 4Ls 6 x 6 x 3/4" Bot R 1-14 x 1/2"
Span 2 - Web R 60 x 3 3/8" 4Ls 6 x 6 x 3/4" Bot R 1-14 x 1/2"	Span 4 - 33 WF 118

Fascia Girders (Typ. All Spans)
Web R 105 x 7/16"
4Ls 6 x 6 x 3/8"
C.P. 14 x 3/8" Top & Bot.
Ext Ls 2-6' x 4 x 3/8"



GENERAL NOTES:

The design for the superstructure is based on A.R.E.A. Specifications for Steel Railway Bridges, 1959 Edition, Cooper E72 Loading & Specified Impact. Substructure design is based on M.S.H.D. Specifications for the design of Highway Bridges, 1958 Edition.

FOOTING PRESSURES (psf)

	Maximum Av. D.L.	Allowable R=1.0	Maximum D.L. & L.L.	Allowable R=1.5
Abut.	2,450	4,800	6,050	6,800
Pier	2,800	4,500	5,600	6,350
Walls	2,600	3,900	4,700	5,450

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

CORRECT
RECOMMENDED FOR APPROVAL

JOE ADLER
Sr. Assoc. Bridge Eng.

R. T. FISCHER
Sr. Assoc. Engr. - Expwy. Design

REVISIONS

JOB No.
PW 897 C

NO.	DESCRIPTION	DATE	BY

CONTROL SECTION 82252 A

MICHIGAN STATE HIGHWAY DEPARTMENT

N. Y. C. R. R. - RUSSELL ST. YARD. N. Y. C. R. R. DETROIT BR.
AND WABASH R. R. CROSSING THE
WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

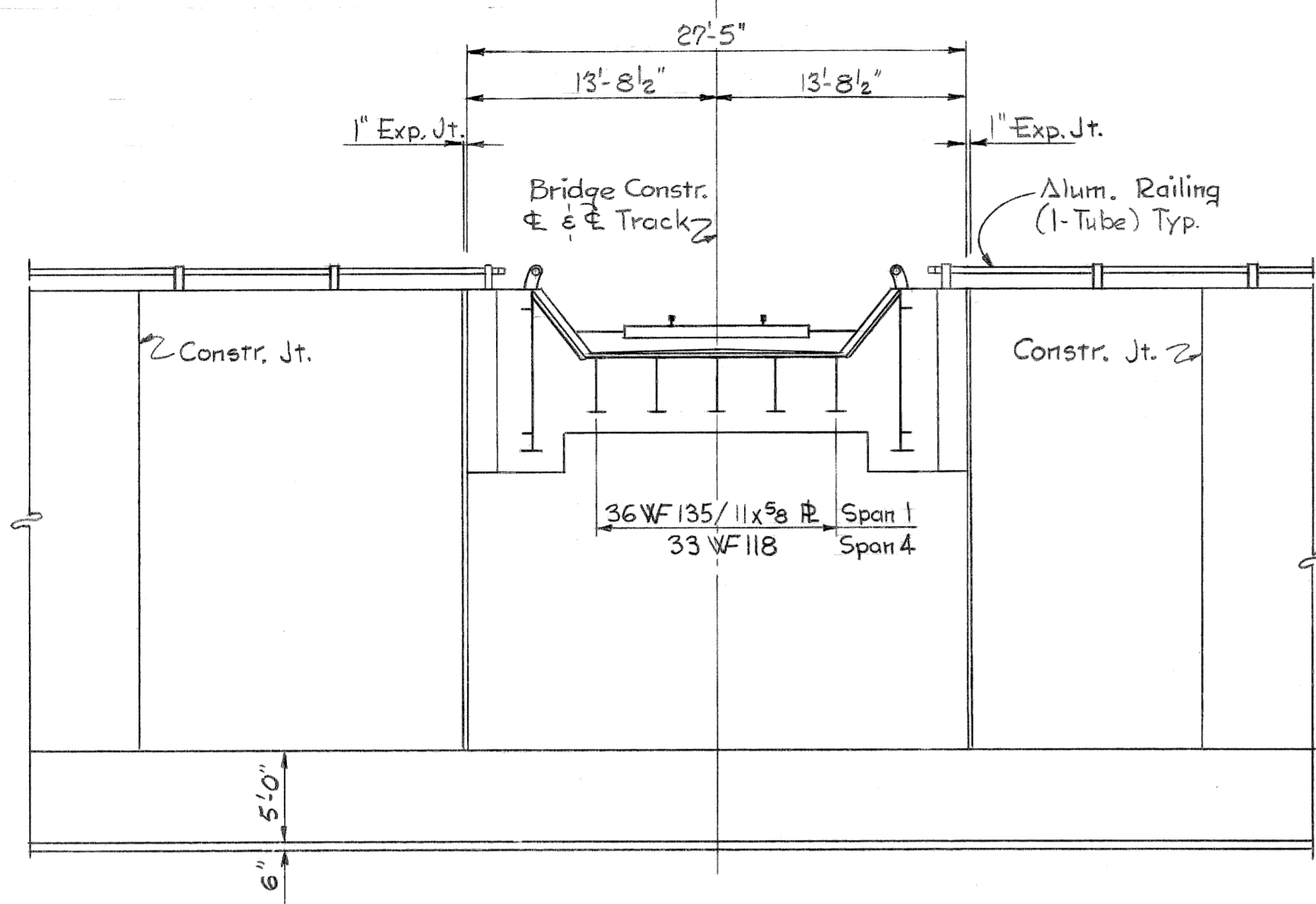
GENERAL PLAN OF STRUCTURE

APPROVED _____ COORDINATING ENGINEER

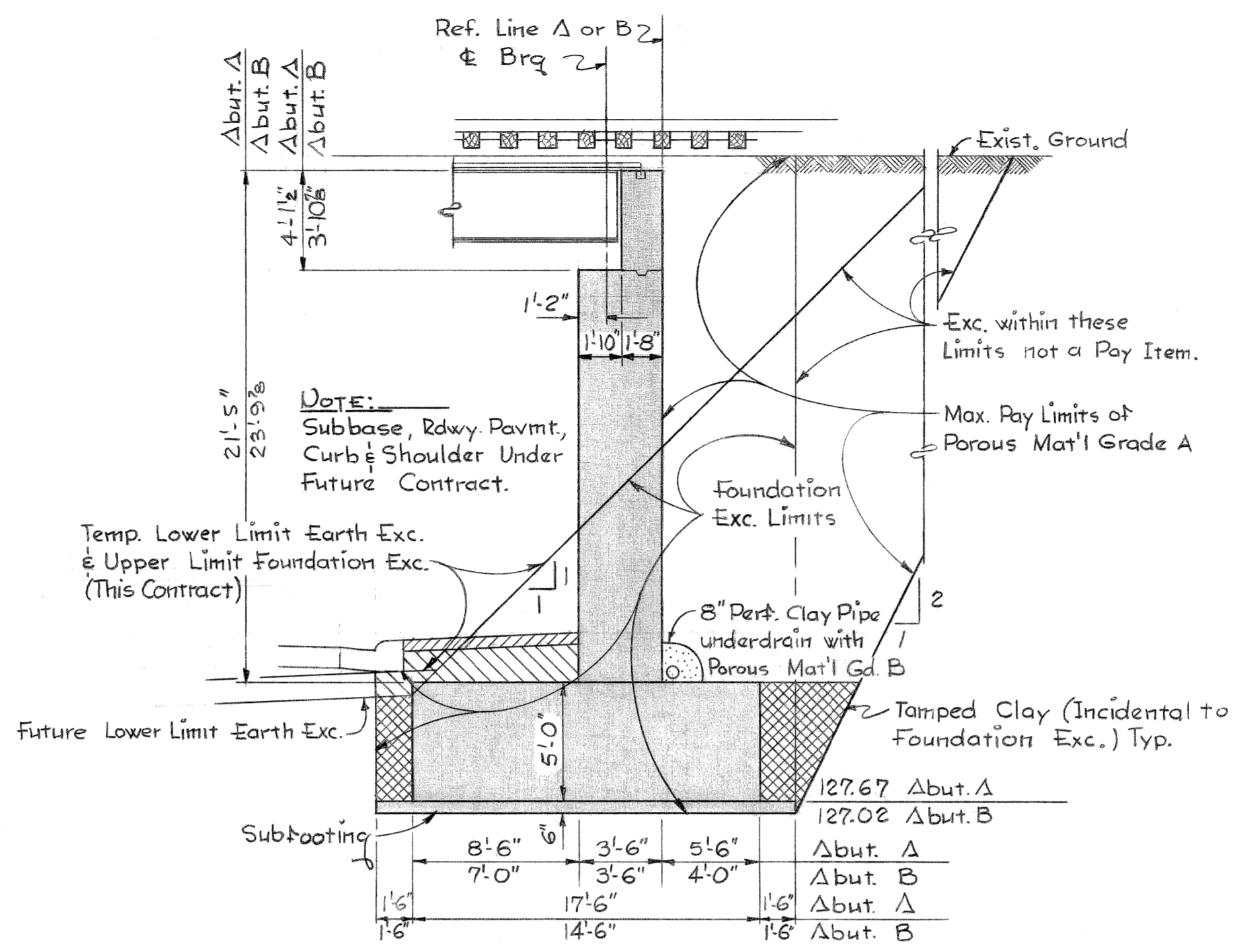
APPROVED _____ ENGINEER OF DESIGN - CONSULTANTS

DATE OF RECORD
DRAWN BY J. Covert 6/62
TRACED BY ALLEN G. GISH 6/62
CHECKED BY J. Covert 6/62
SHEET 12 OF 20

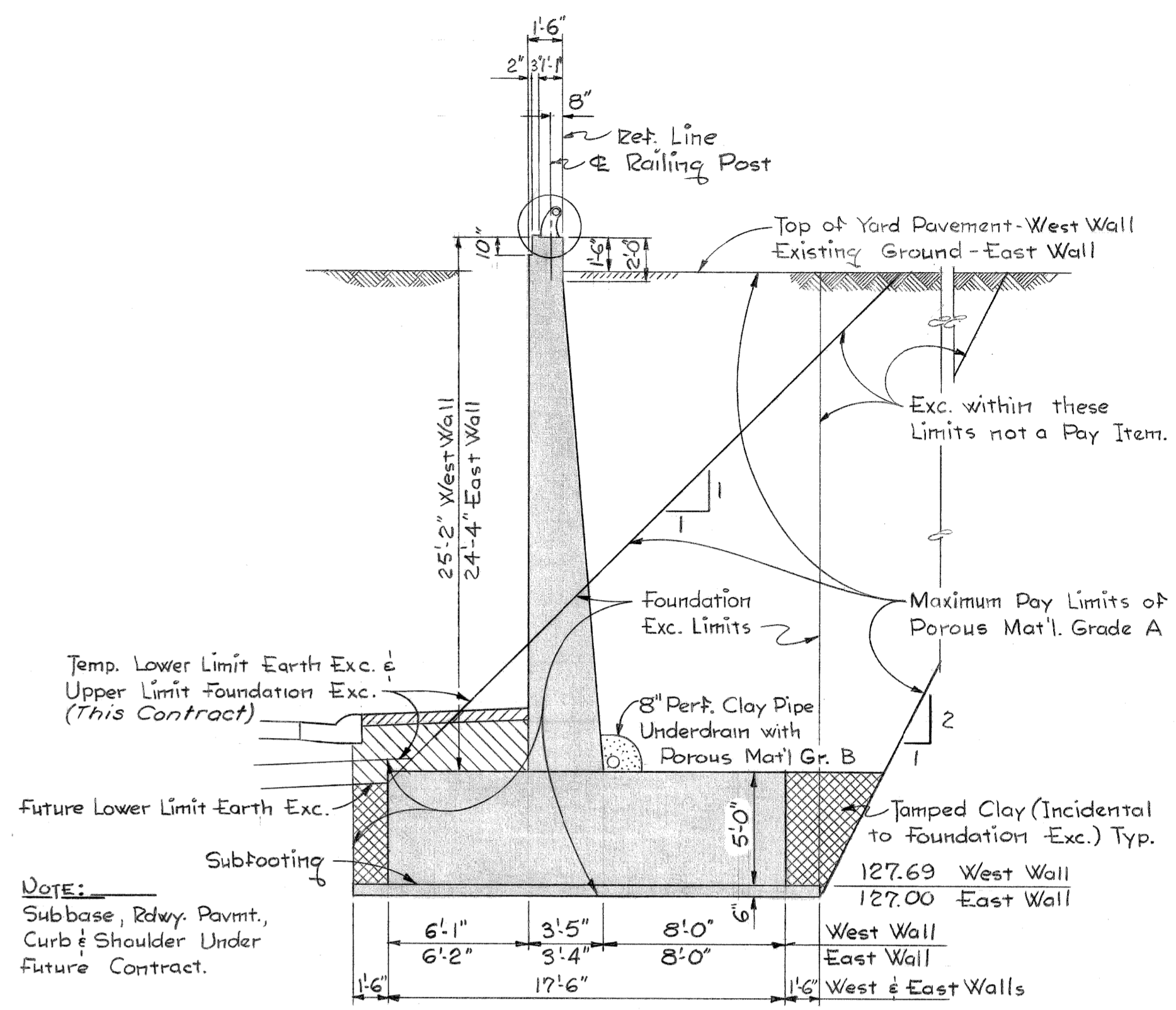
X02 of 82252 A



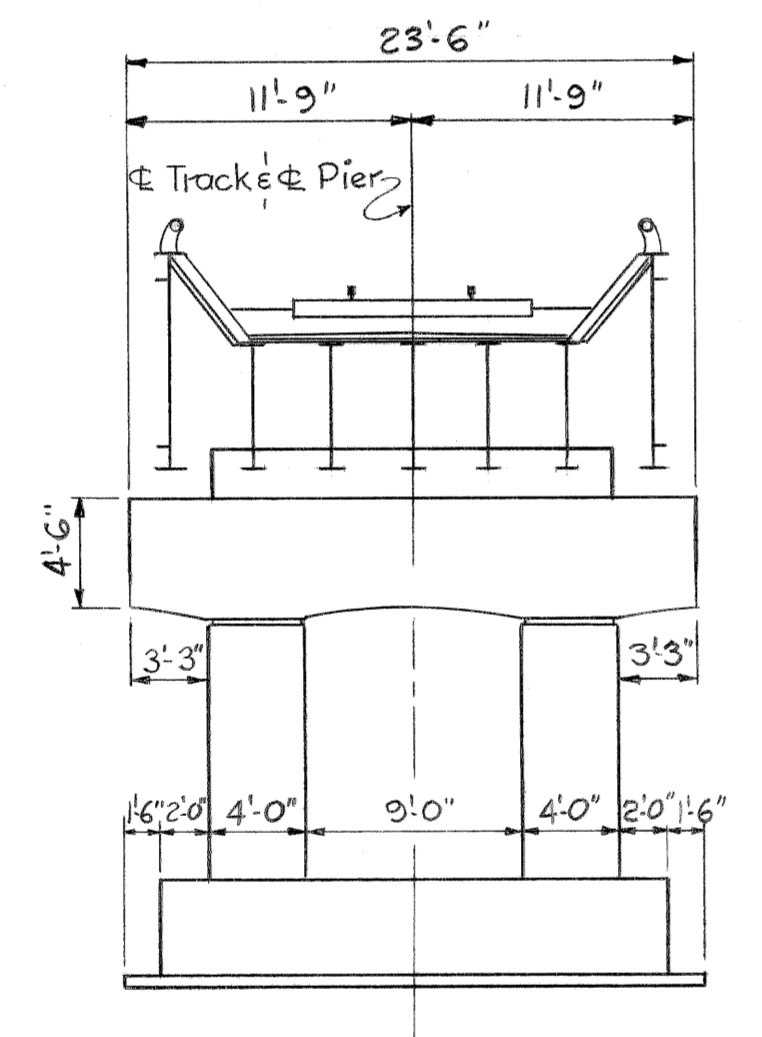
TYPICAL ABUTMENT ELEVATION
Scale: 1/8" = 1'-0"



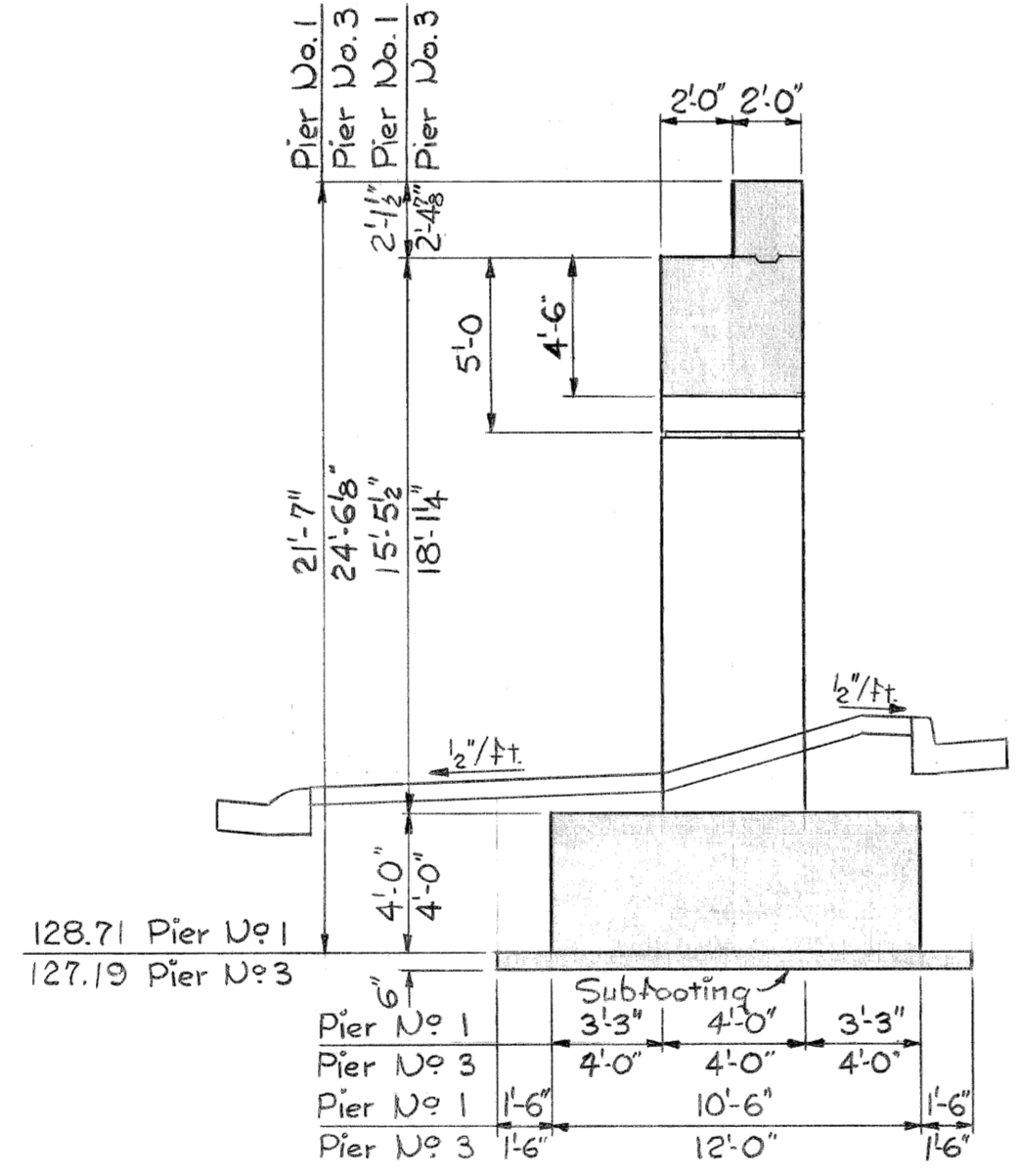
TYPICAL SECTION THRU ABUTMENT
Scale: 3/16" = 1'-0"



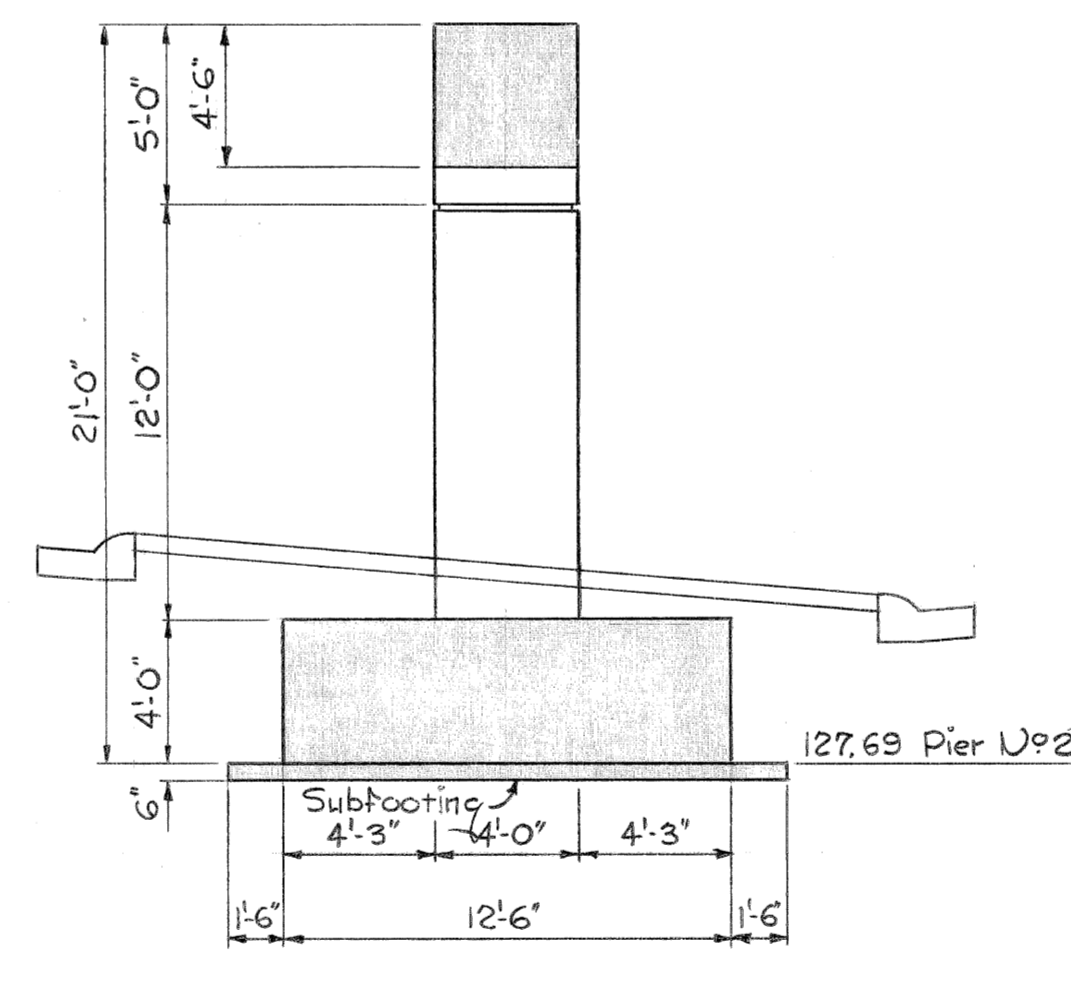
TYPICAL SECTION THRU RETAINING WALL
Scale: 3/16" = 1'-0"



TYPICAL PIER ELEVATION
Scale: 1/8" = 1'-0"



TYPICAL SECTION THRU PIERS NO 1 & 3
Scale: 3/16" = 1'-0"



TYPICAL SECTION THRU PIER NO 2
Scale: 3/16" = 1'-0"

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

CORRECT *[Signature]*
RECOMMENDED FOR APPROVAL *[Signature]*
S. Assoc. Bridge Engr.
S. Assoc. Engr. - Estab. Design

JOB No.
PW 897 C

NO.	DESCRIPTION	DATE	BY

CONTROL SECTION 82252 A

MICHIGAN STATE HIGHWAY DEPARTMENT

N. Y. C. R. R. - RUSSELL ST. YARD, N. Y. C. R. R. DETROIT BR.
AND WABASH R. R. CROSSING THE
WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

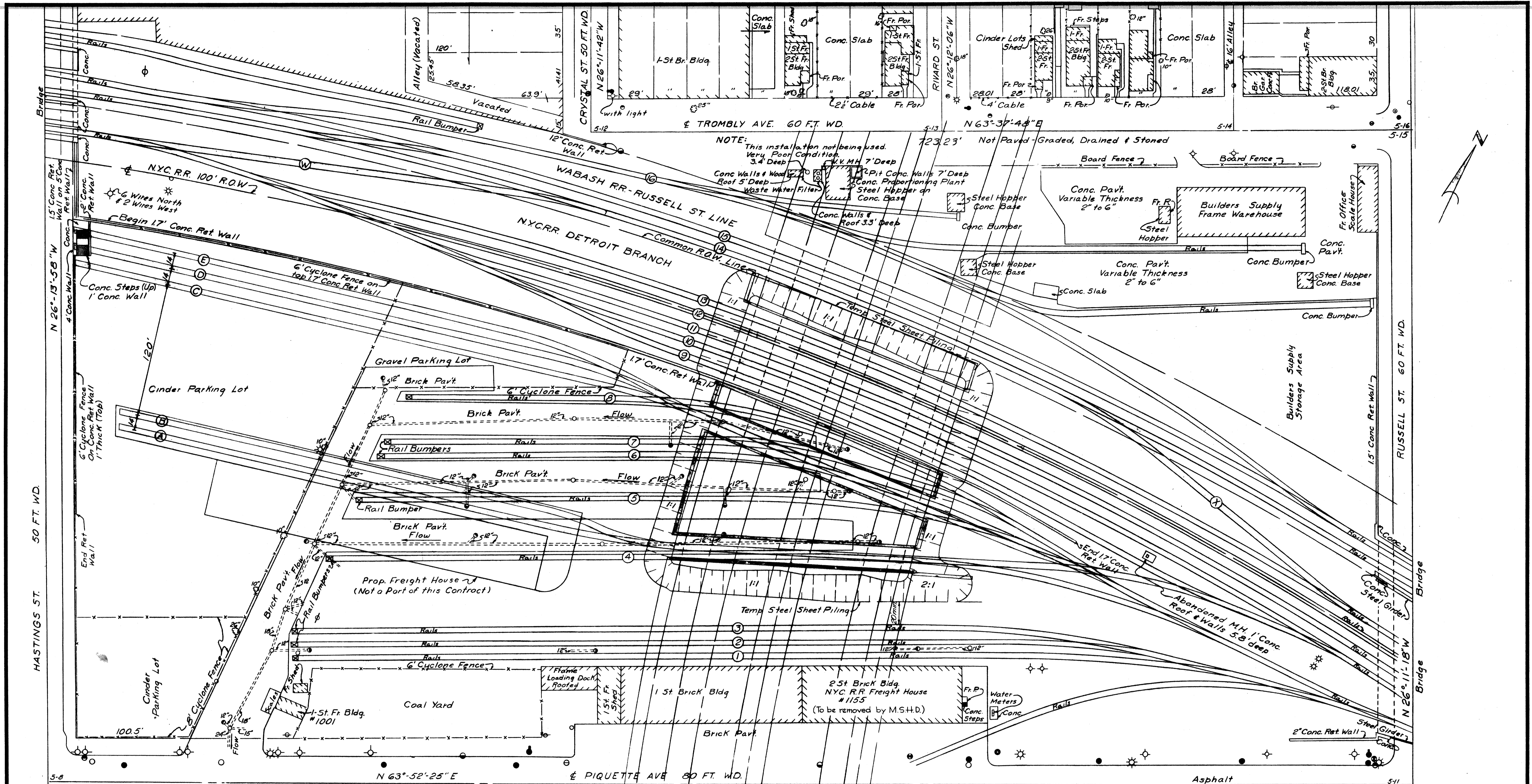
GENERAL PLAN OF STRUCTURE

APPROVED _____ COORDINATING ENGINEER
APPROVED _____ ENGINEER OF DESIGN - CONSULTANTS

CITY OF DETROIT		
SQUAD BOSS	J. Covert	6/62
DRAWN BY	ALLEN BEECH	6-62
CHECKED BY	J. Covert	6/62
SHEET 13 OF 20		

X02 of 82252 A

X02



NOTE: This installation not being used. Very Poor Condition.

STAGE I

1. Construct road bed and track for temporary cross-over connection tracks "W" & "X" between the N.Y.C. Railroad Branch and the Wabash Railroad. Shift N.Y.C. Branch traffic to Wabash Rails (Track 14).
2. Remove tracks 4, 5, 6, 7 & 8 (from switch just west of Russell Street).
Note: The existing Russell Street freight house and tracks 1, 2 & 3 are due to remain in operation until the new freight house and yard tracks are ready for service.
3. Remove and store tracks number 9, 10, 11, 12 & 13 on the N.Y.C. Branch in the area of construction.
4. Excavate for and construct N.Y.C.R.R. Bridges X01, X02 & X03.
5. Prepare road bed and construct new yard tracks A, B, C, D & E. Make connections for these yard tracks to the N.Y.C.R.R. Branch Tracks.
6. Relay tracks 9, 10, 11, 12 & 13 across Bridge No. X03. Put N.Y.C.R.R. back on Branch Tracks.
7. Remove temporary cross over connections "W" & "X".
8. Construct new freight house (Not a part of this Contract) after Item 2 is complete.
9. Pave the yard area north of the new freight house.
10. Put new freight house and yard tracks into operation.
11. Demolish the old freight house and remove tracks 1, 2 & 3 and spur track across Piquette.
12. Finish off fencing, grading, driveways and clean up the yard area and N.Y.C.R.R. Branch Tracks.

Scale 1"=40'

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

CORRECTED BY: *[Signature]*
 RECOMMENDED FOR APPROVAL BY: *[Signature]*

JOB NO. PW 897 C

NO.	DESCRIPTION	DATE	BY

CONTROL SECTION 82252 A

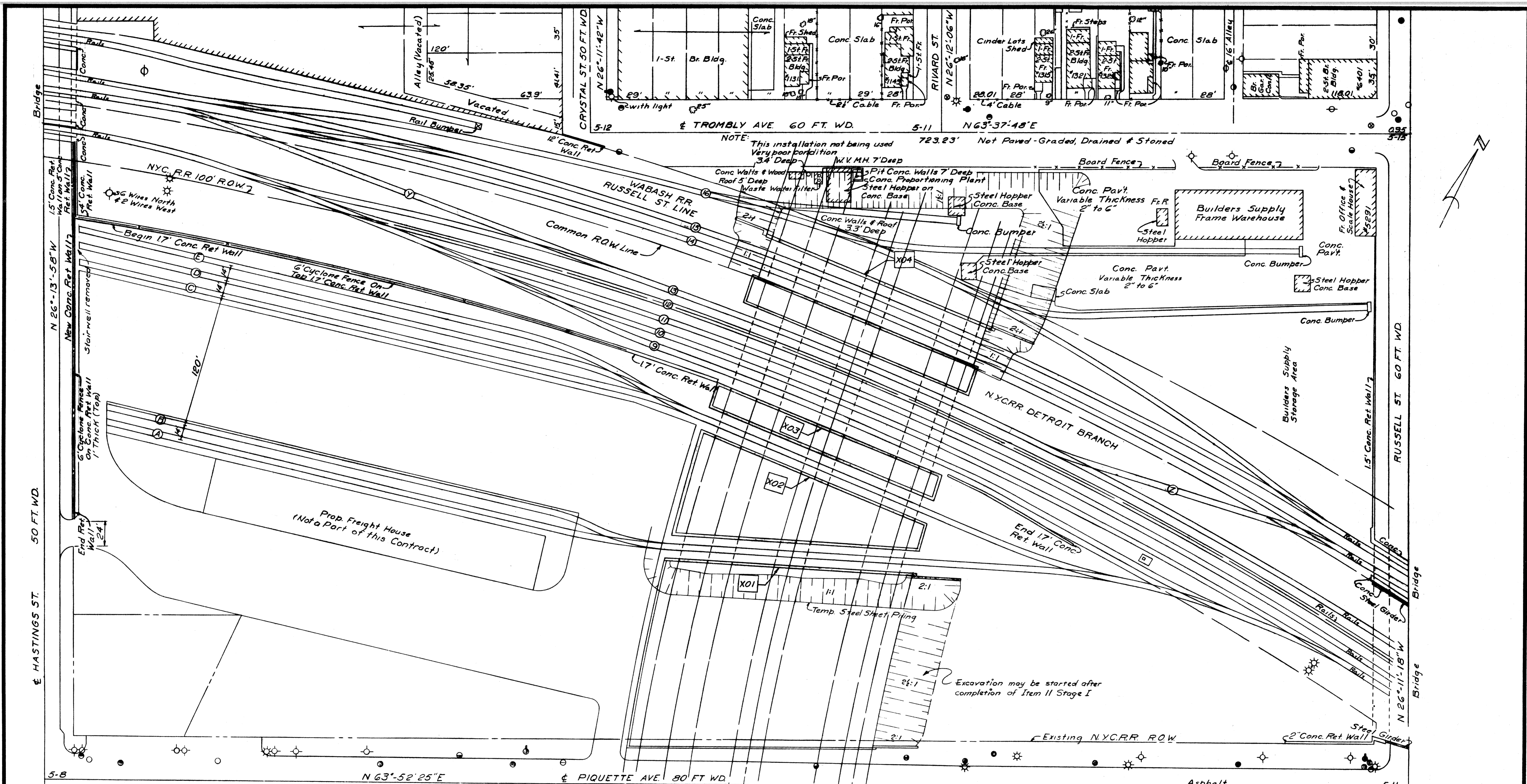
MICHIGAN STATE HIGHWAY DEPARTMENT

N.Y.C.R.R. - RUSSELL ST. YARD, N.Y.C.R.R. DETROIT BR. AND WABASH R.R. CROSSING THE WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

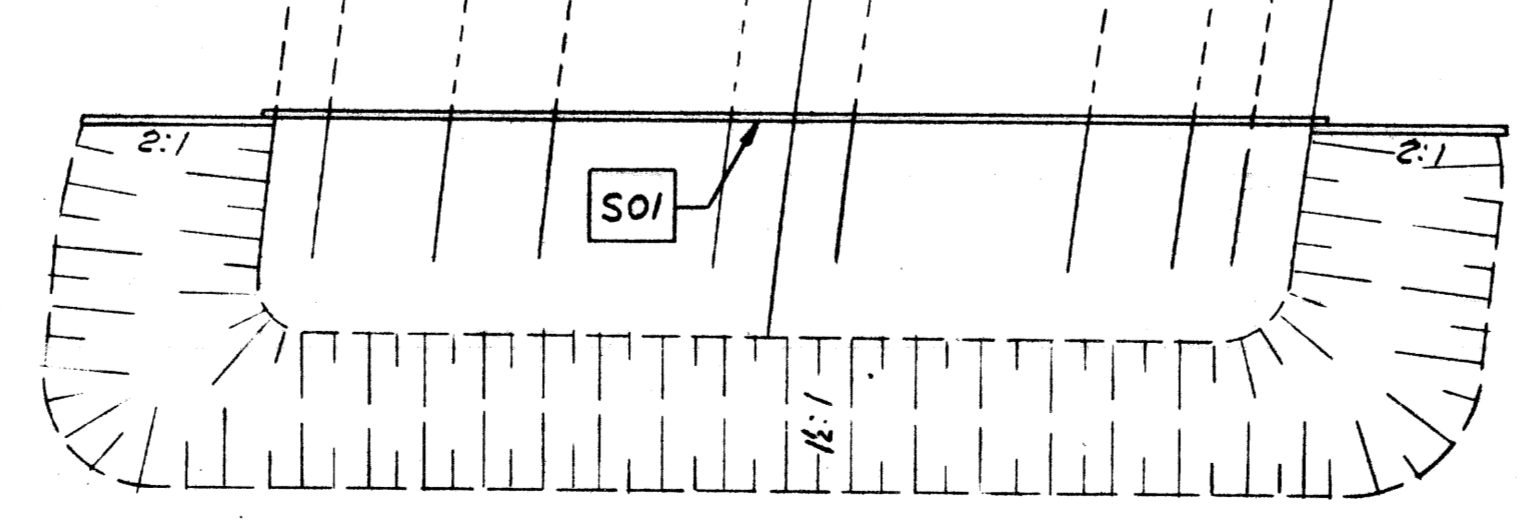
CONSTRUCTION SEQUENCE STAGE I

CITY OF DETROIT
 ROAD DIST. J. Covert 1-62
 DRAWN BY: W. Snyder 12-61
 CHECKED BY: R. James 1-62
 SHEET 18 OF 20
 X01, X02, X03 & X04 of 82252 A

APPROVED: _____ COORDINATING ENGINEER.
 APPROVED: _____ ENGINEER OF DESIGN-CONSULTANTS



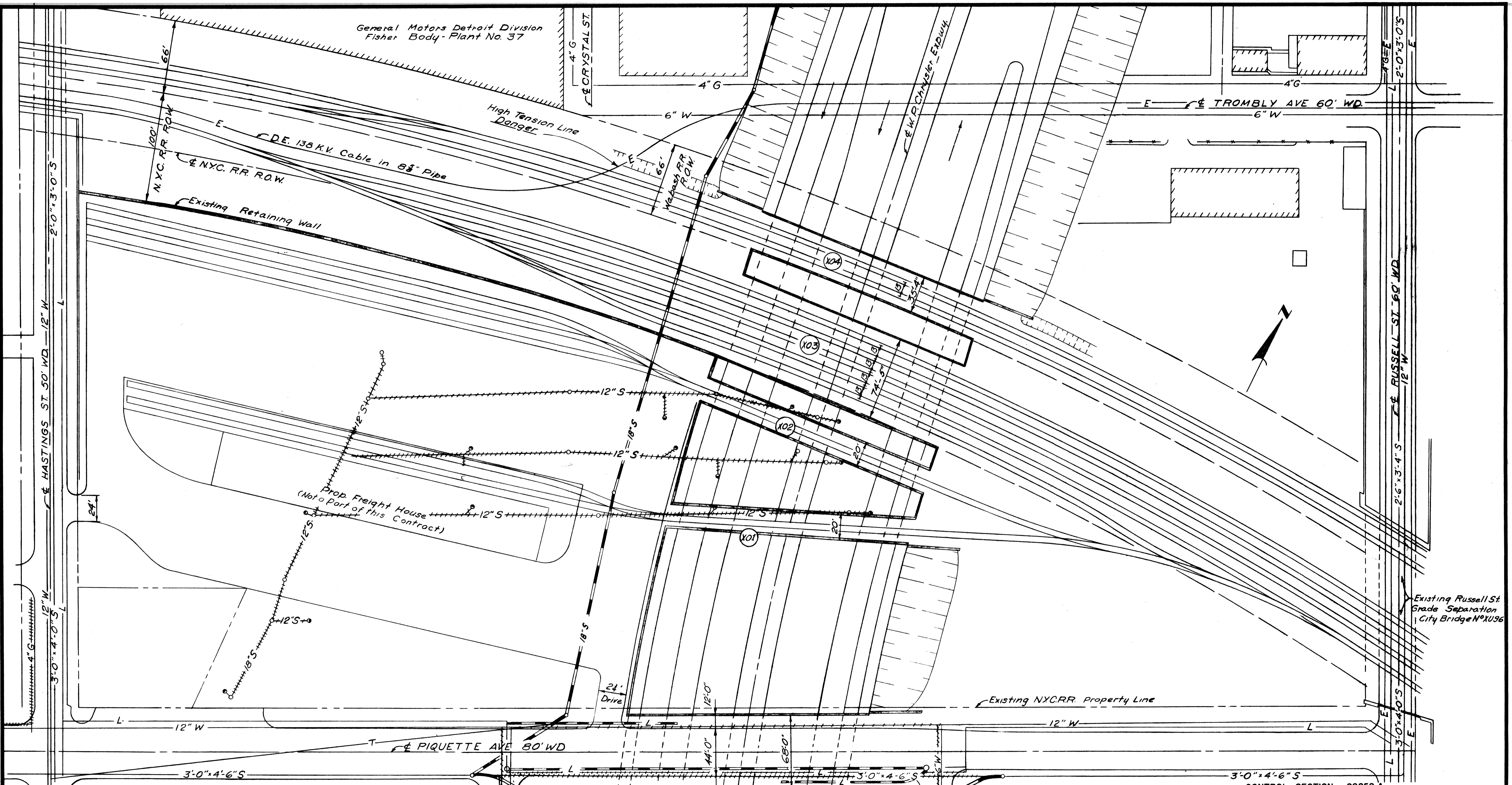
- STAGE II**
1. Construct temporary crossover connections "Y" and "Z".
 2. Shift Wabash traffic on to track 13 of structure X03 in the construction.
 3. Remove and store tracks 14 & 15 in the area of construction.
 4. Remove storage track 16 and spur connections to Building Supply Company.
 5. Excavate for and construct 2-track Wabash Railroad Bridge X04.
 6. Relay tracks 14 & 15 in the area of construction.
 7. Shift Wabash rail traffic to Bridge X04 and remove temporary cross-over tracks Y & Z.
 8. Clean up the area and restore the NYC and Wabash Railroads to their normal operation.



Scale 1"=40'

CONTROL SECTION 82252 A

PLANS PREPARED BY CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS OFFICE BUREAU OF HIGHWAYS AND EXPRESSWAYS		MICHIGAN STATE HIGHWAY DEPARTMENT N.Y.C.R.R. - RUSSELL ST. YARD, N.Y.C.R.R. DETROIT BR. AND WABASH R.R. CROSSING THE WALTER P. CHRYSLER EXPRESSWAY IN DETROIT	
CORRECTED RECOMMENDED FOR APPROVAL <i>[Signature]</i> ST. ANNE, MICH.	JOB No. PW 897 C	APPROVED _____ COORDINATING ENGINEER	APPROVED _____ ENGINEER OF DESIGN-CONSULTANTS
NO. _____ DESCRIPTION _____ DATE _____ BY _____		CITY OF DETROIT DRAWN BY <i>[Signature]</i> 1-62 CHECKED BY <i>[Signature]</i> 1-62 DATE 12-20-62 X01, X02, X03 & X04 of 82252 A	



LEGEND

UTILITY	DESIGNATION
PUBLIC LIGHTING COMM. — L —	EXISTING — L —
DETROIT WATER DEPT. — W —	DELETE OR ABANDONED BY OTHERS — W —
EXPWY & CITY OF DET. SEWERS — S —	NEW WORK BY CONTRACTOR — S —
MICH. CONSOL. GAS CO. — G —	
MICH. BELL TELEPHONE CO. — T —	

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

CORRECT: *[Signature]*
 Sr. Assoc. Engr. & City Designer

RECOMMENDED FOR APPROVAL: *[Signature]*
 Sr. Assoc. Engr. & City Designer

JOB No. PW 897 C

MICHIGAN STATE HIGHWAY DEPARTMENT

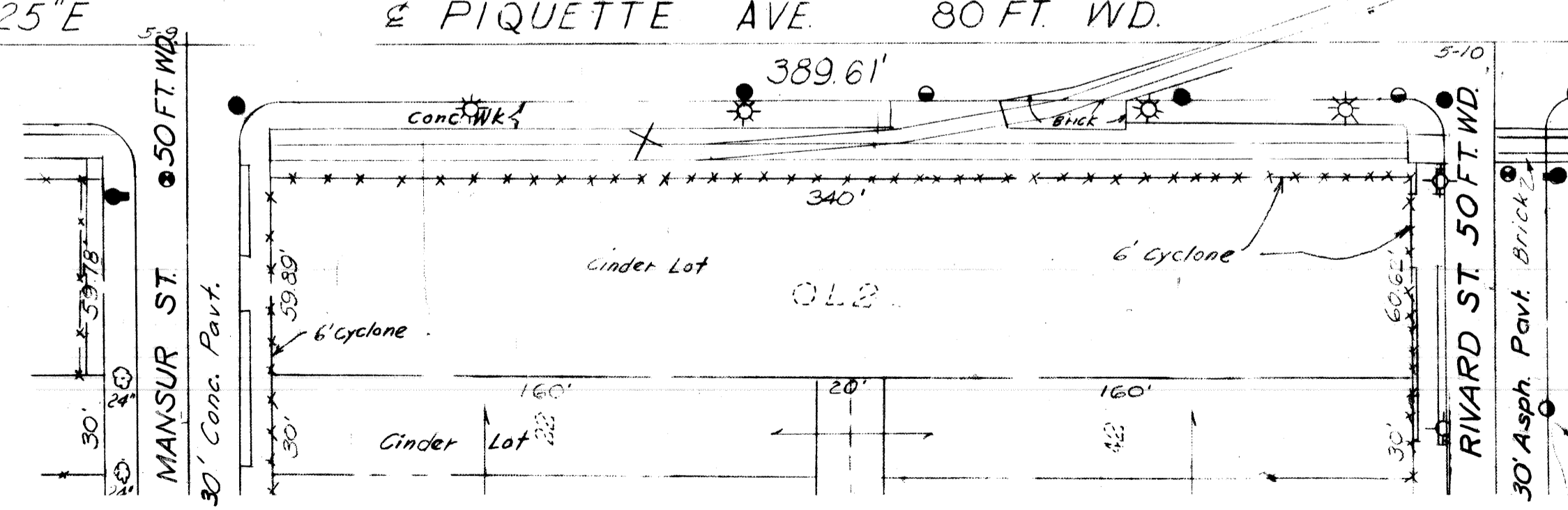
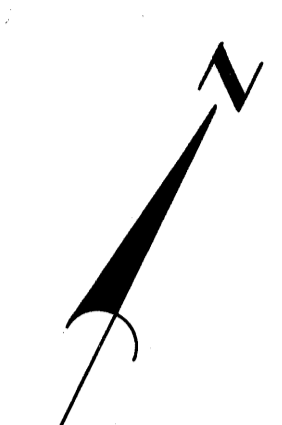
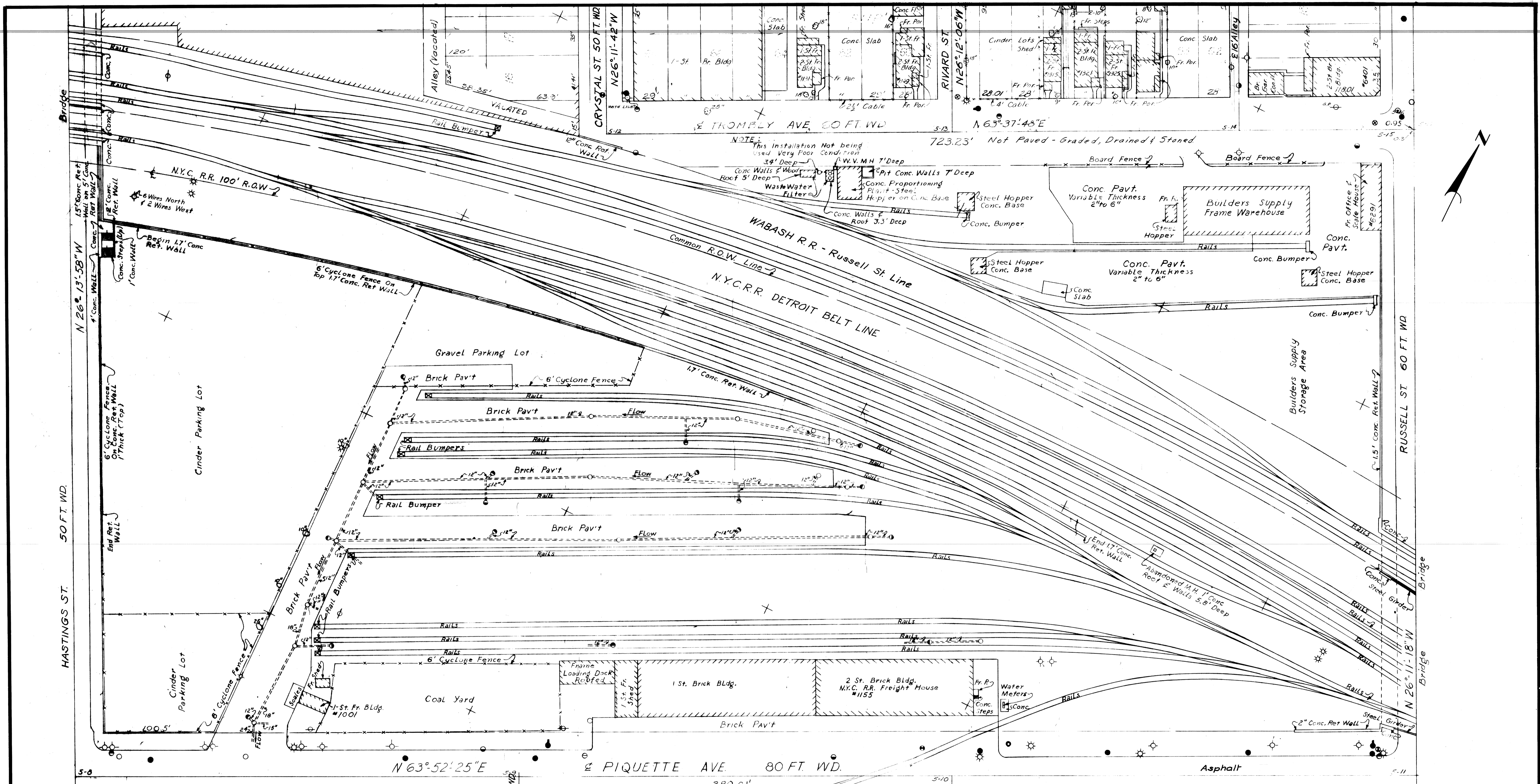
N.Y.C.R.R. - RUSSELL ST. YARD, N.Y.C.R.R. DETROIT BR. AND WABASH R.R. CROSSING THE WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

EXISTING UTILITIES AND PROPOSED ALTERATIONS

NO.	DESCRIPTION	DATE	BY

CITY OF DETROIT
 SQUAD BOSS: J. Covert 6/62
 DRAWN BY: W. Snyder 1-62
 CHECKED BY: B. Mosley 1-62
 SHEET 20 of 20
 X01, X02, X03 & X04 of 82252 A

CONTROL SECTION 82252 A



Scale 1"=40'

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

CORRECT
[Signature]
 Sr. Assoc. Bridge Engr.

RECOMMENDED FOR APPROVAL
[Signature]
 Sr. Assoc. Engr.-Expwy. Design

JOB No.
PW 897C

REVISIONS			
No.	DESCRIPTION	DATE	BY

CONTROL SECTION 82252 A

MICHIGAN STATE HIGHWAY DEPARTMENT

N.Y.C.R.R. - RUSSELL ST. YARD, N.Y.C.R.R. DETROIT BELT LINE AND WABASH R.R. CROSSING THE WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

SURVEY PLAN

APPROVED _____ COORDINATING ENGINEER

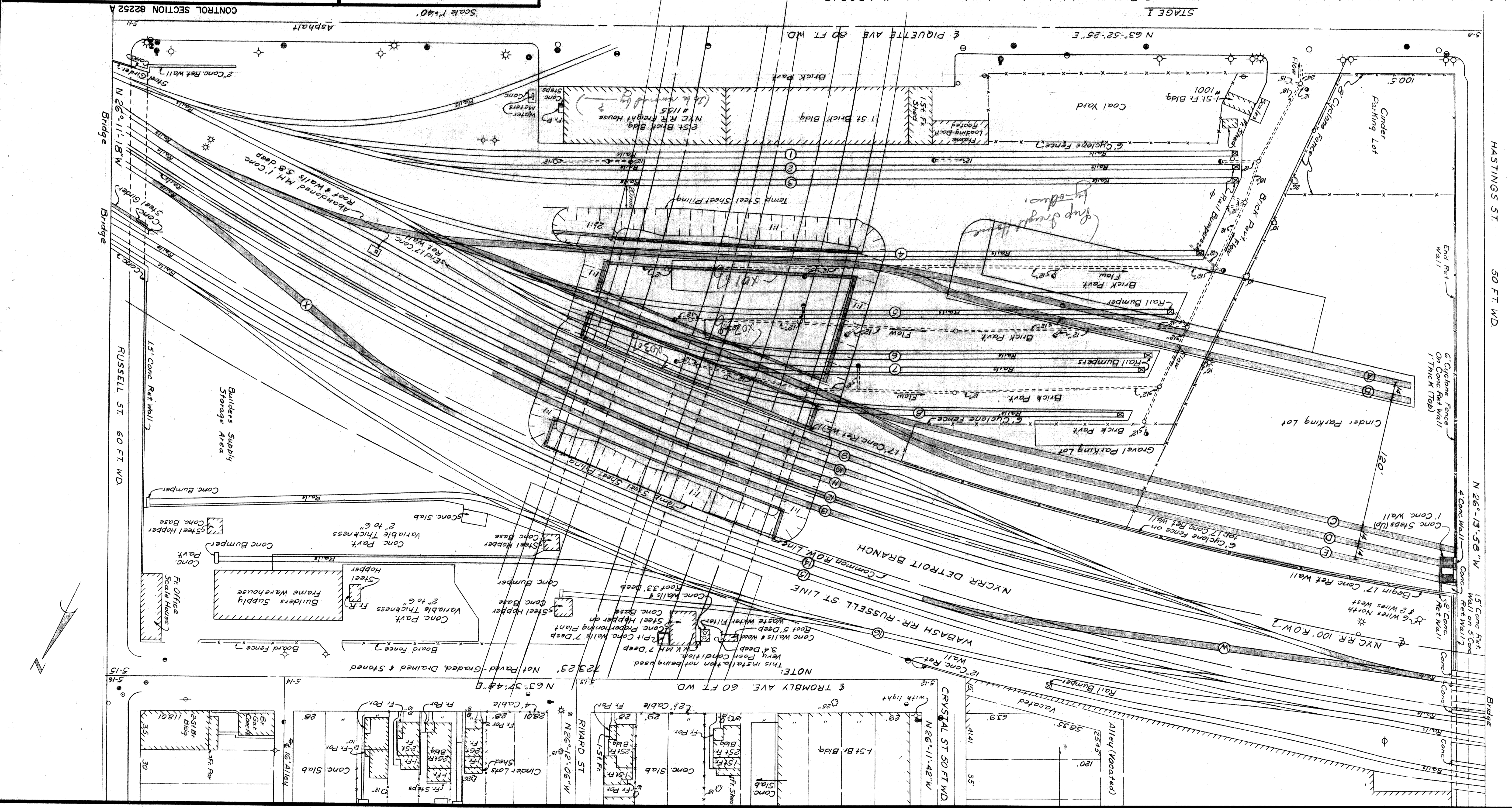
APPROVED _____ ENGINEER OF DESIGN - CONSULTANTS

CITY OF DETROIT			
SQUAD BOSS	C.L.	8/60	
DRAWN BY	C.N. Schaefer	9/10	
CHECKED BY	C.L.	8/60	
SHEET	1	OF	4
X01, X02, X03 & X04 of 82252 A			

MICHIGAN STATE HIGHWAY DEPARTMENT
N.Y.C.R.R. - RUSSELL ST. YARD, N.Y.C.R.R. DETROIT BR.
AND WABASH R.R. CROSSING THE
WALTER P. CHRYSLER EXPRESSWAY IN DETROIT.
STAGE I
CONSTRUCTION SEQUENCE

PLANS PREPARED BY
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
BUREAU OF HIGHWAYS AND EXPRESSWAYS
 JOB NO. PW 897 C
 DATE BY

PRELIMINARY PLANS
 DATED JUNE 29, 1962



- STAGE I**
1. Construct road bed and track for temporary cross-over connection tracks "W" & "X" between the NYC Railroad Branch and the Wabash Railroad. Shift NYC Railroad Branch to the right of Russell Street.
 2. Remove tracks 4, 5, 6, 7 & 8 from switch just west of Russell Street.
 3. Remove and store tracks number 9, 10, 11, 12 & 13 on the NYC Branch in the area of construction.
 4. Excavate for and construct NYC RR Bridges X01, X02 & X03 for service.
 5. Prepare road bed and construct new yard tracks A, B, C, D, E, Branch Tracks.
 6. Relay tracks 8, 10, 11, 12 & 13 across Bridge No. X03. Put NYC RR back on Branch Tracks.
 7. Remove temporary cross-over connections "W" & "X".
 8. Construct new freight house (By Others) after items 1 through 7 are due to remain in operation until tracks 12 & 13 are due to remain in operation until the new freight house and yard tracks are ready for service.
 9. Put new freight house and yard tracks into operation.
 10. Put the yard area north of the new freight house.
 11. Demolish the old freight house and remove tracks 12 & 13 and spur track across Piquette.
 12. Finish off fencing, grading, driveways and clean up the yard area and NYC RR Branch Tracks.

CONTROL SECTION 82252 A
 Scale 1"=40'
 Asphalt

APPROVED _____
 ENGINEER OF DESIGN - CONSULTANTS

APPROVED _____
 COORDINATING ENGINEER

of 82252 A
 X01, X02, X03 & X04
 SHEET 18 of 20
 CHECKED BY _____
 DRAWN BY _____
 SCALE _____
 CITY OF DETROIT

HASTINGS ST
 50 FT WD

N 26°-13'-58" W
 150'

BRIDGE

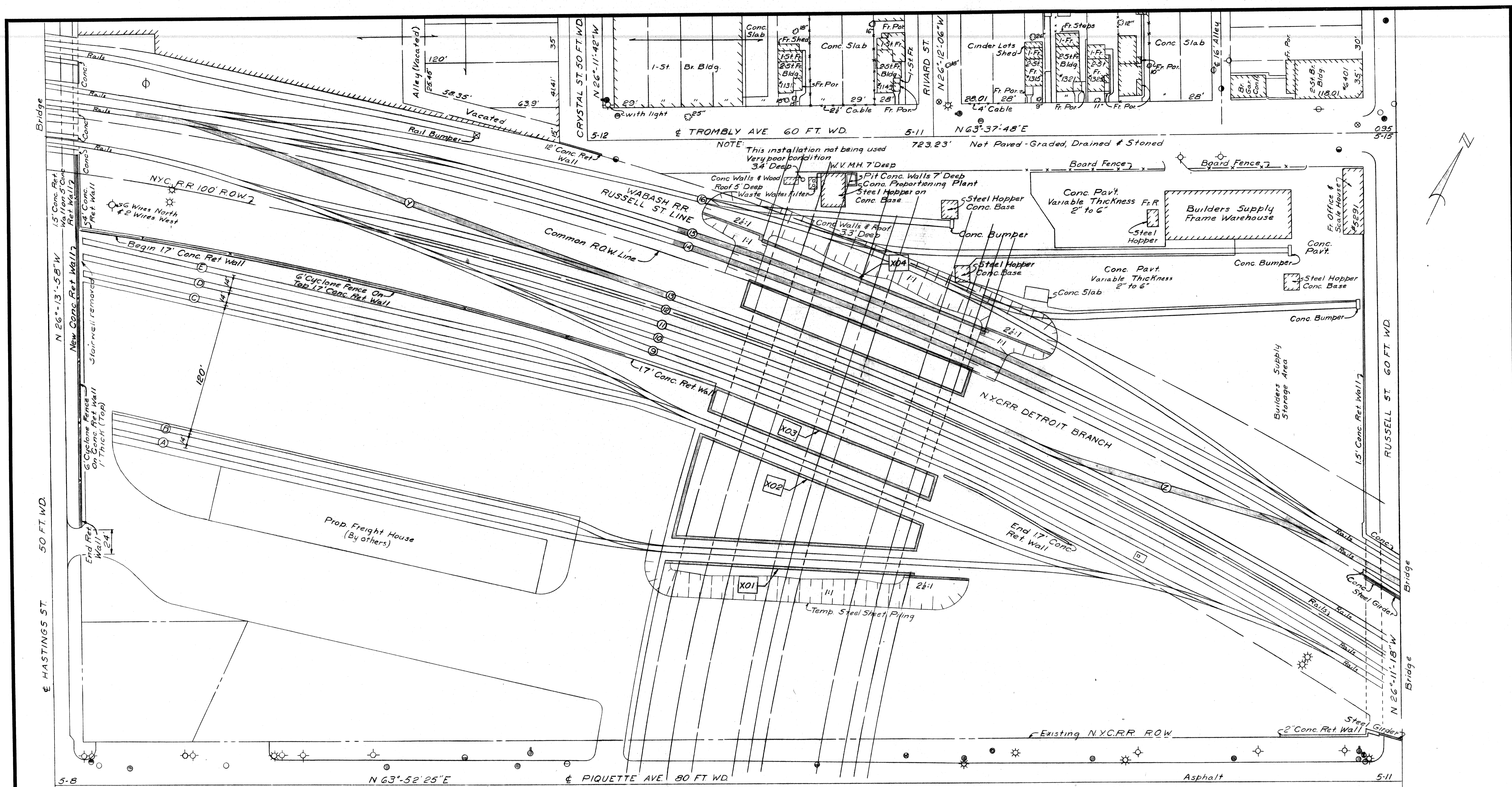
CRYSTAL ST 50 FT WD
 N 26°-11'-42" W

BRIDGE

RUSSELL ST 60 FT WD

BRIDGE

BRIDGE



NOTE: This installation not being used Very poor condition 3'4" Deep

STAGE II

1. Construct temporary crossover connections "Y" and "Z".
2. Shift Wabash traffic on to track 13 of structure X03 in the construction
3. Remove and store tracks 14 & 15 in the area of construction.
4. Remove storage track 16 and spur connections to Building Supply Company.
5. Excavate for and construct 2-track Wabash Railroad Bridge X04.
6. Relay tracks 14 & 15 in the area of construction.
7. Shift Wabash rail traffic to Bridge X04 and remove temporary cross-over tracks Y & Z.
8. Clean up the area and restore the NYC and Wabash Railroads to their normal operation.

PRELIMINARY PLAN A
DATED JUNE 29 1962

Scale 1"=40'

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

CORRECT FOR APPROVAL
Sr. Assoc. Bridge Eng.
Sr. Assoc. Eng. - Expressway Design

JOB No.
PW 897 C

NO.	DESCRIPTION	DATE	BY

CONTROL SECTION 82252 A

MICHIGAN STATE HIGHWAY DEPARTMENT

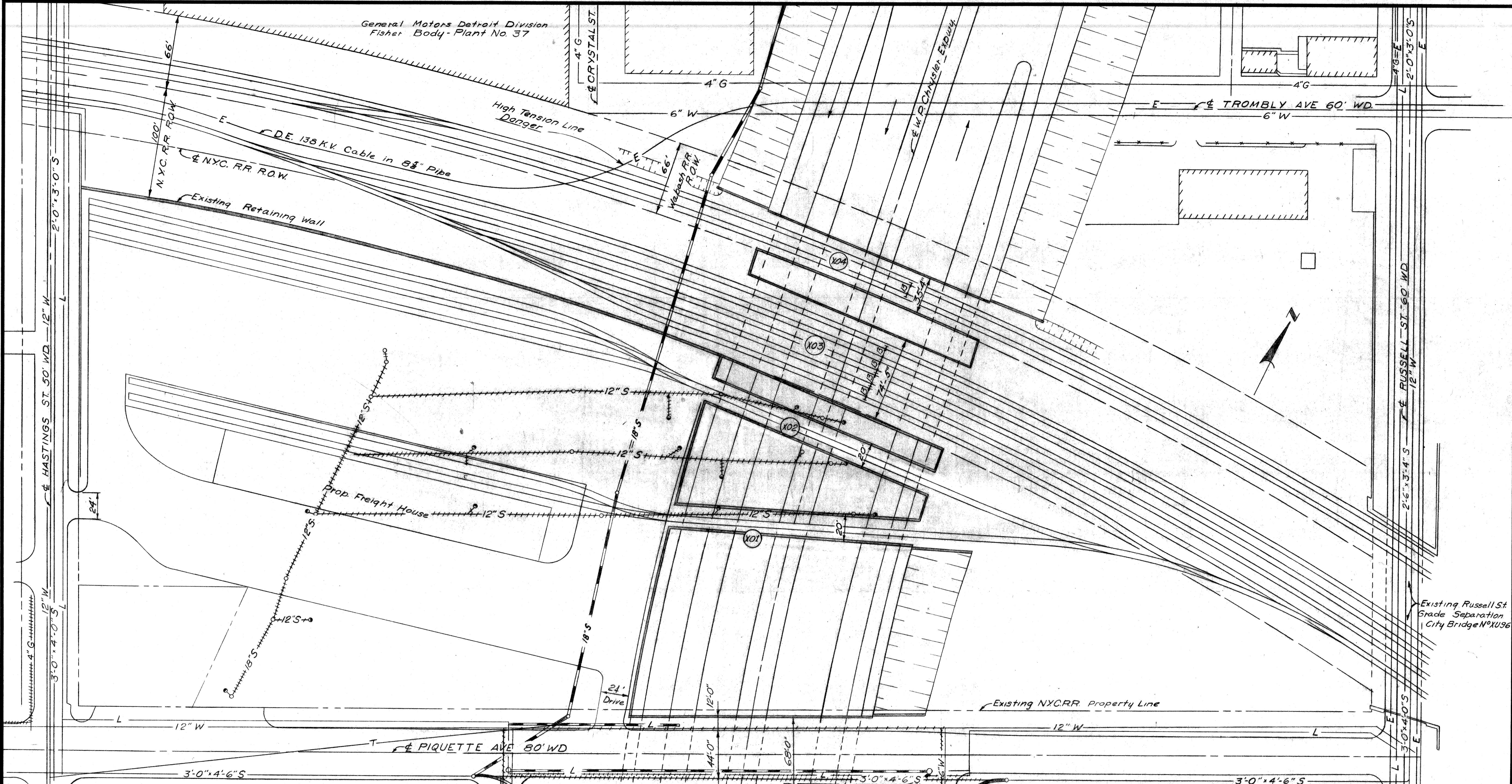
N.Y.C.R.R. - RUSSELL ST. YARD, N.Y.C.R.R. DETROIT BR. AND WABASH R.R. CROSSING THE WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

CONSTRUCTION SEQUENCE
STAGE II

APPROVED _____ COORDINATING ENGINEER

APPROVED _____ ENGINEER OF DESIGN-CONSULTANTS

CITY OF DETROIT		
SQUAD BOSS	J. Covert	1-52
DRAWN BY	W. Snyder	1-52
CHECKED BY	R. Jones	1-62
SHEET 19 OF 20		
X01, X02, X03 & X04 of 82252 A		



LEGEND

UTILITY	DESIGNATION
PUBLIC LIGHTING COMM.	EXISTING — L —
DETROIT WATER DEPT.	DELETE OR NEW WORK BY CONTRACTOR — W —
EXPWY & CITY OF DET. SEWERS	ABANDONED BY OTHERS — S —
MICH. CONSOL. GAS CO.	
MICH. BELL TELEPHONE CO.	

PRELIMINARY PLAN A
DATED JUNE 28, 1962

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

CORRECTED FOR APPROVAL: *[Signature]*
St. Assoc. Engr. Estwy. Design

MICHIGAN STATE HIGHWAY DEPARTMENT

N.Y.C. R.R. - RUSSELL ST. YARD, N.Y.C. R.R. DETROIT BR. AND WABASH R.R. CROSSING THE WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

EXISTING UTILITIES AND PROPOSED ALTERATIONS

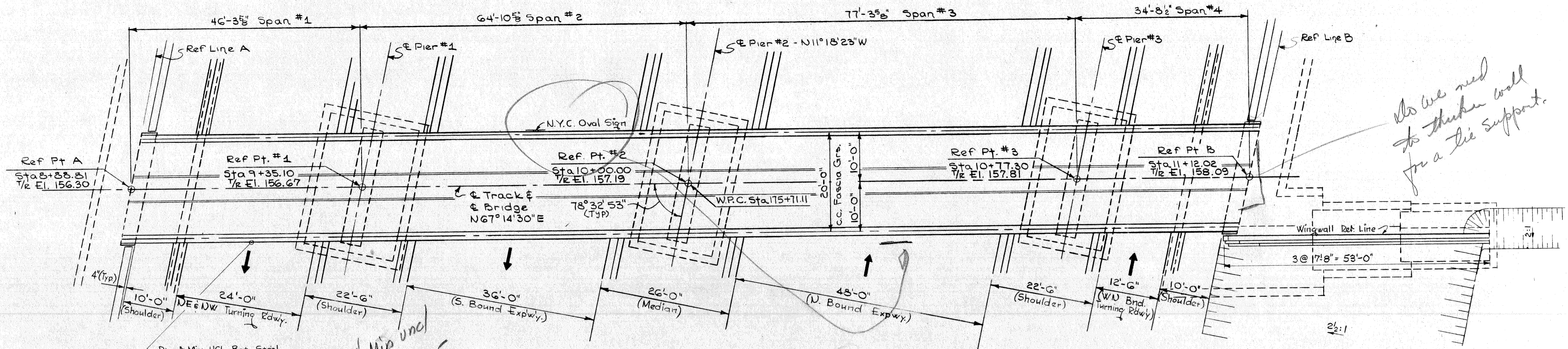
REVISIONS

NO.	DESCRIPTION	DATE	BY

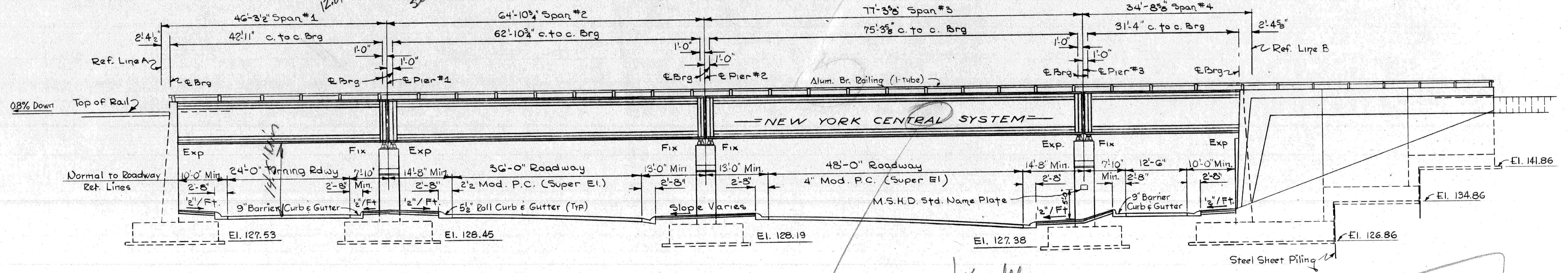
JOB No. PW 897 C

CITY OF DETROIT
SQUAD BOSS: *[Signature]* 8/62
DRAWN BY: *[Signature]* 1-62
CHECKED BY: *[Signature]* 1-62
SHEET 20 OF 20
X01, X02, X03 & X04 OF 82252 A

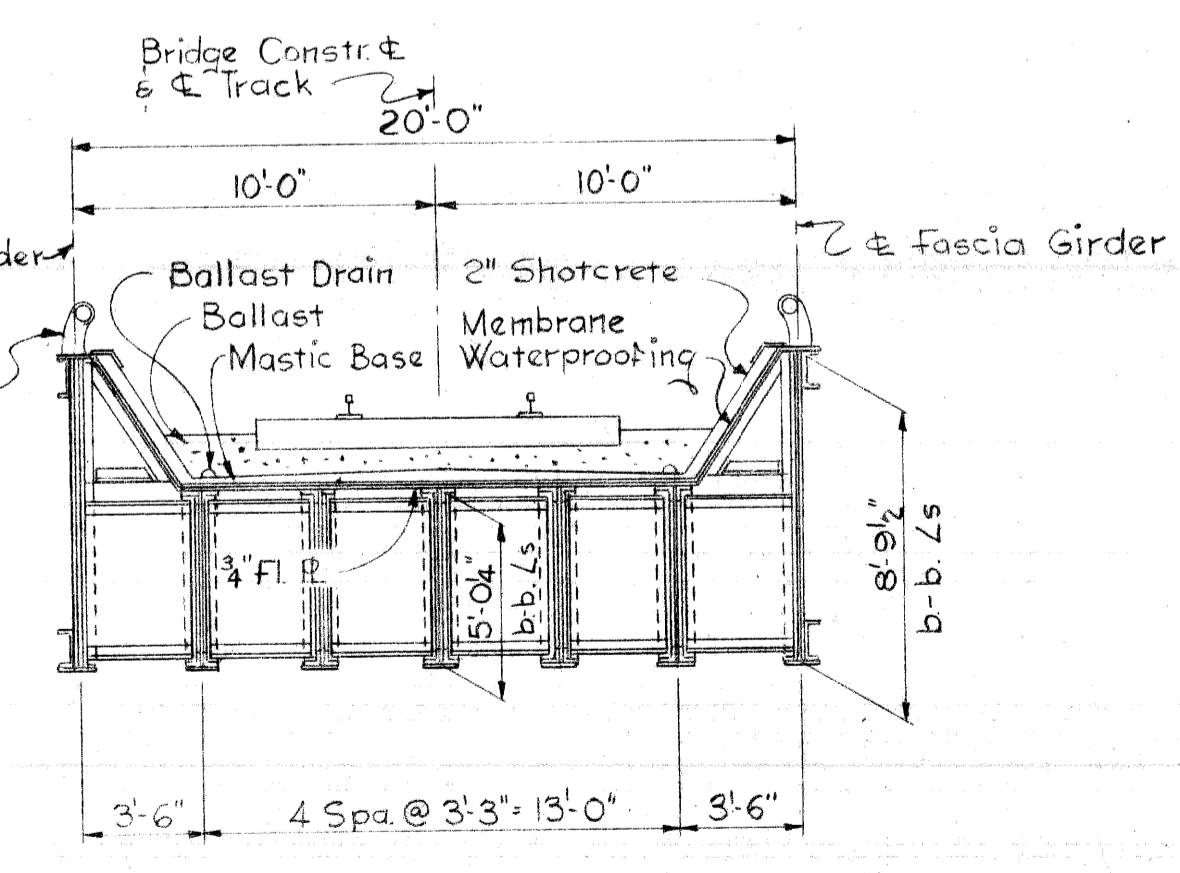
CONTROL SECTION 82252 A



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



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



TYPICAL CROSS SECTION
Scale: 3/8" = 1'-0"

GIRDER INFORMATION

Span 1 - 36 WF 135/11x $\frac{3}{8}$ " R	Span 3 - Web R 60x $\frac{3}{8}$ " 4Ls 6x6x $\frac{3}{8}$ " Bot. Rs 2-14x $\frac{3}{8}$ "
Span 2 - Web R 60x $\frac{3}{8}$ " 4Ls 6x6x $\frac{3}{8}$ " Bot. R 1-14x $\frac{1}{2}$ "	Span 4 - 33 WF 118
Fascia Girders (Typ. All Spans) Web R 105x $\frac{1}{2}$ " 4Ls 6x6x $\frac{3}{8}$ " C.P. 14x $\frac{3}{8}$ " Top & Bot. Ext. Ls 2-6x4x $\frac{3}{8}$ "	

Do we need any more for two signs and bridge as long as the opening between the structures are so narrow?

Misc Joint (typical jobs)

PRELIMINARY PLAN A
DATED JUNE 28, 1962

GENERAL NOTES:
The design for the superstructure is based on A.R.E.A. Specifications for Steel Railway Bridges, 1959 Edition. Substructure design is based on M.S.H.D Specifications for the Design of Highway Bridges, 1958 Edition.

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

CORRECT FOR APPROVAL: *[Signature]*
RECOMMENDED FOR APPROVAL: *[Signature]*
Sr. Assoc. Eng. - Entry Design

REVISIONS

JOB No. PW 897 C

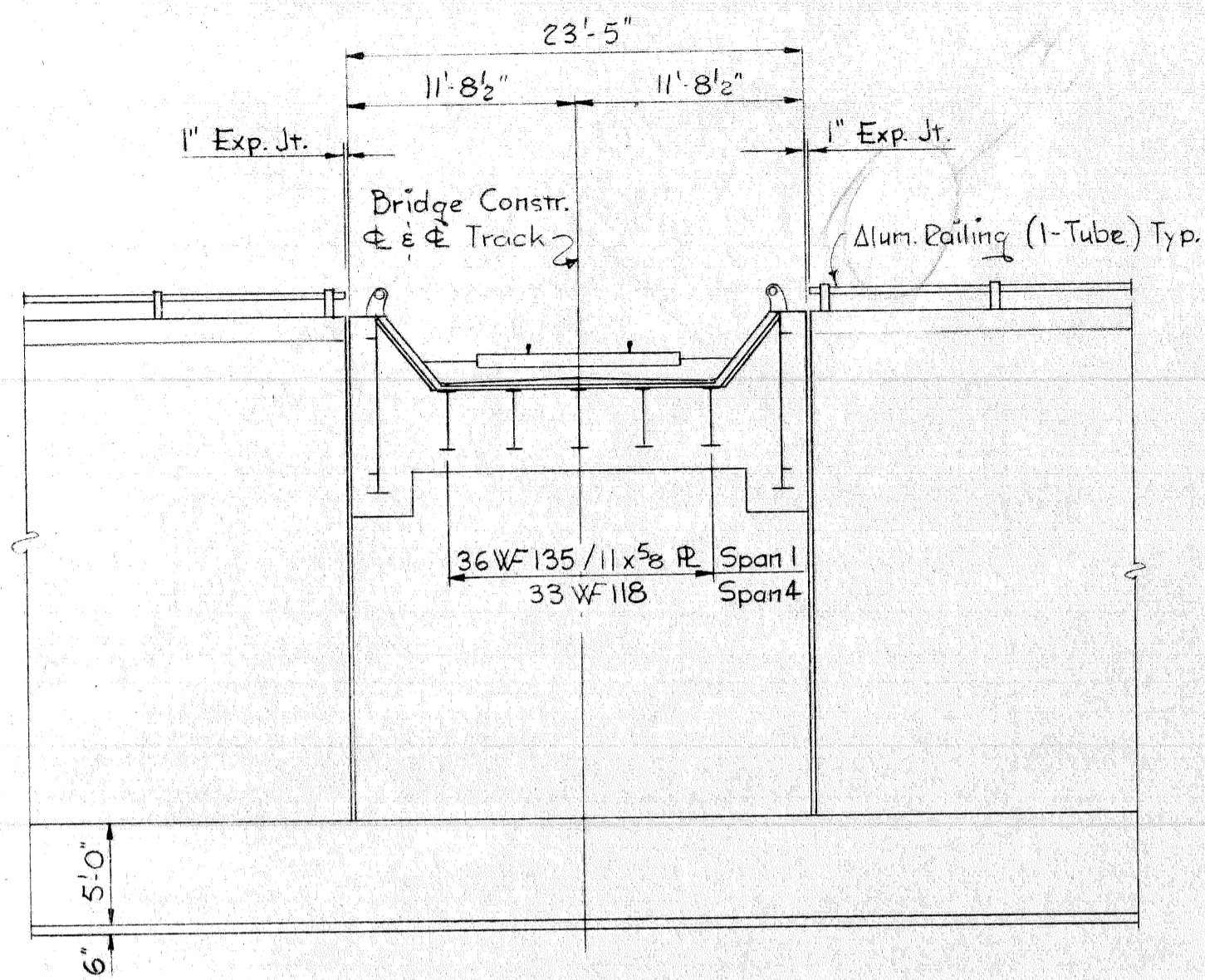
MICHIGAN STATE HIGHWAY DEPARTMENT
N. Y. C. R. R. - RUSSELL ST. YARD, N. Y. C. R. R. DETROIT BR.
AND WABASH R. R. CROSSING THE
WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

GENERAL PLAN OF STRUCTURE

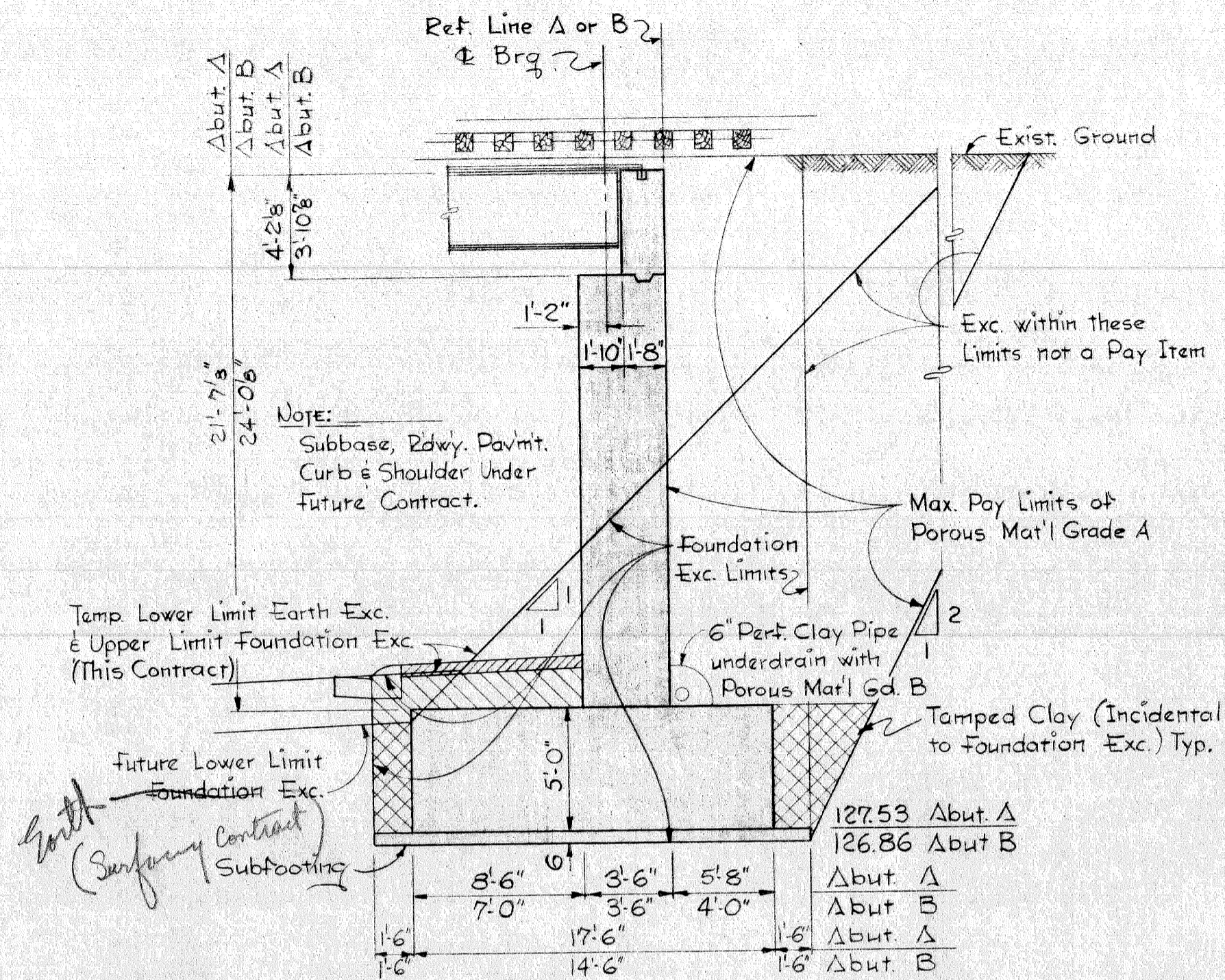
CITY OF DETROIT
SQUAD BOSS: *[Signature]* 6/62
DRAWN BY: *[Signature]* 6/62
TRACED BY: *[Signature]* 6/62
CHECKED BY: *[Signature]* 6/62
SHEET 10 OF 20

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

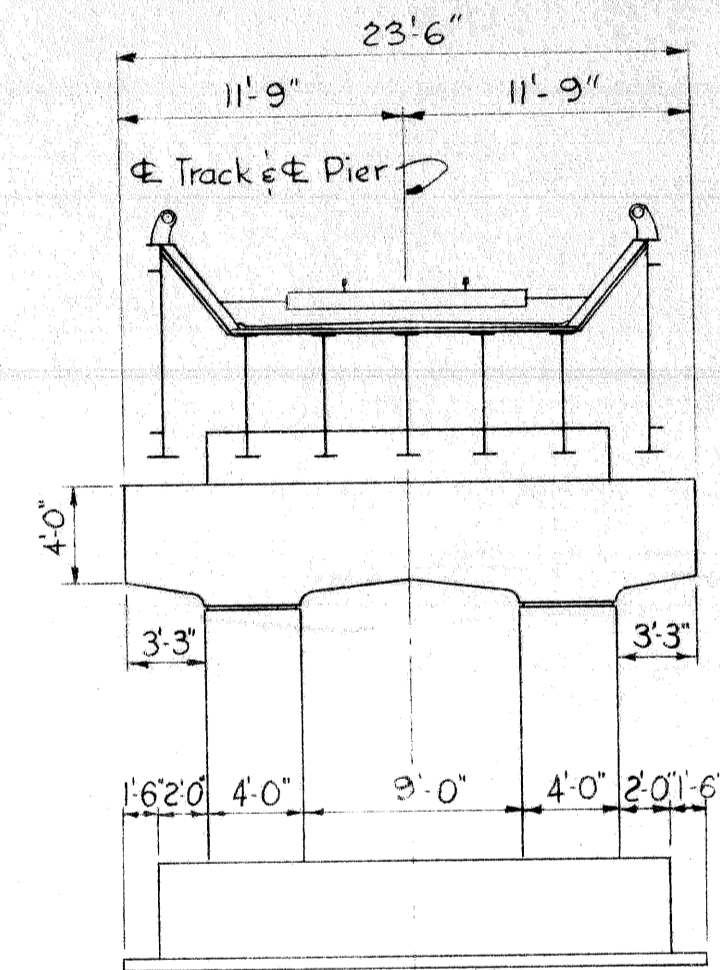
XO1 of 82252 A



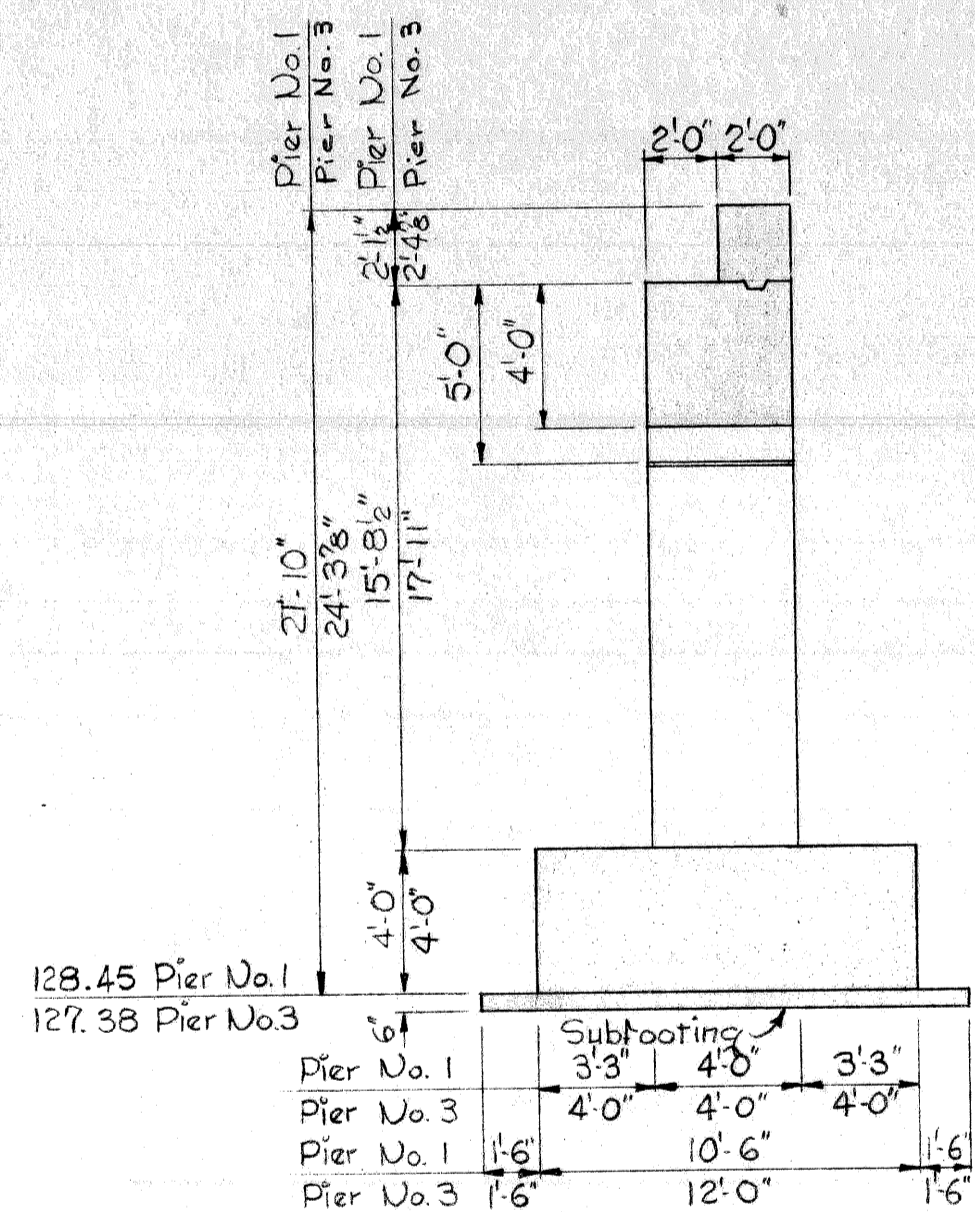
TYPICAL ABUTMENT ELEVATION
Scale: 1/8" = 1'-0"



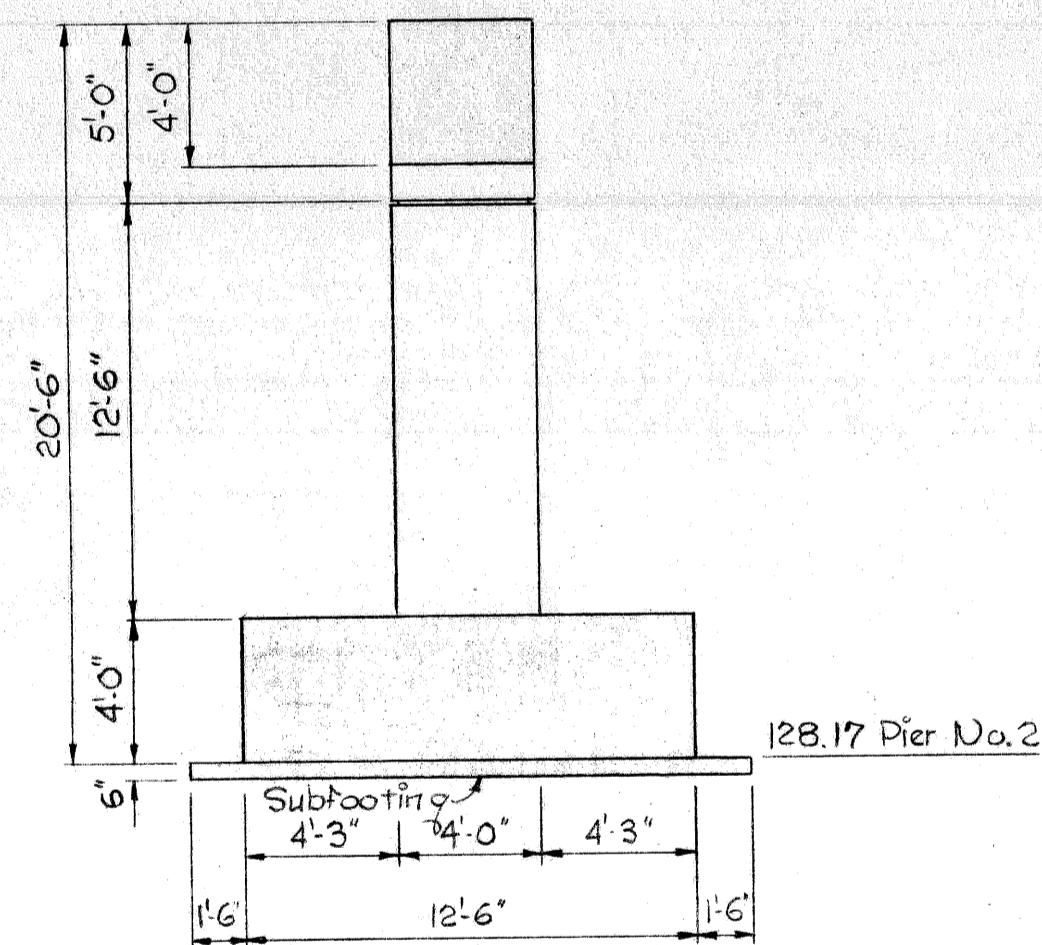
TYPICAL SECTION THRU ABUTMENT
Scale: 3/16" = 1'-0"



TYPICAL PIER ELEVATION
Scale: 1/8" = 1'-0"



TYPICAL SECTION THRU PIERS No. 1 & 3
Scale: 3/16" = 1'-0"



TYPICAL SECTION THRU PIER No. 2
Scale: 3/16" = 1'-0"

PRELIMINARY PLAN A
DATED JUNE 28, 1962
CONTROL SECTION 82252A

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

CORRECT *[Signature]*
RECOMMENDED FOR APPROVAL *R. H. Wicks*
S.P. Assoc. Bridge Eng.
Ct. Assoc. Eng. - Control Section

JOB No.
PW897 C

NO.	DESCRIPTION	DATE	BY

MICHIGAN STATE HIGHWAY DEPARTMENT

N. Y. C. R. R. - RUSSELL ST. YARD, N. Y. C. R. R. DETROIT BR.
AND WABASH R. R. CROSSING THE
WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

GENERAL PLAN OF STRUCTURE

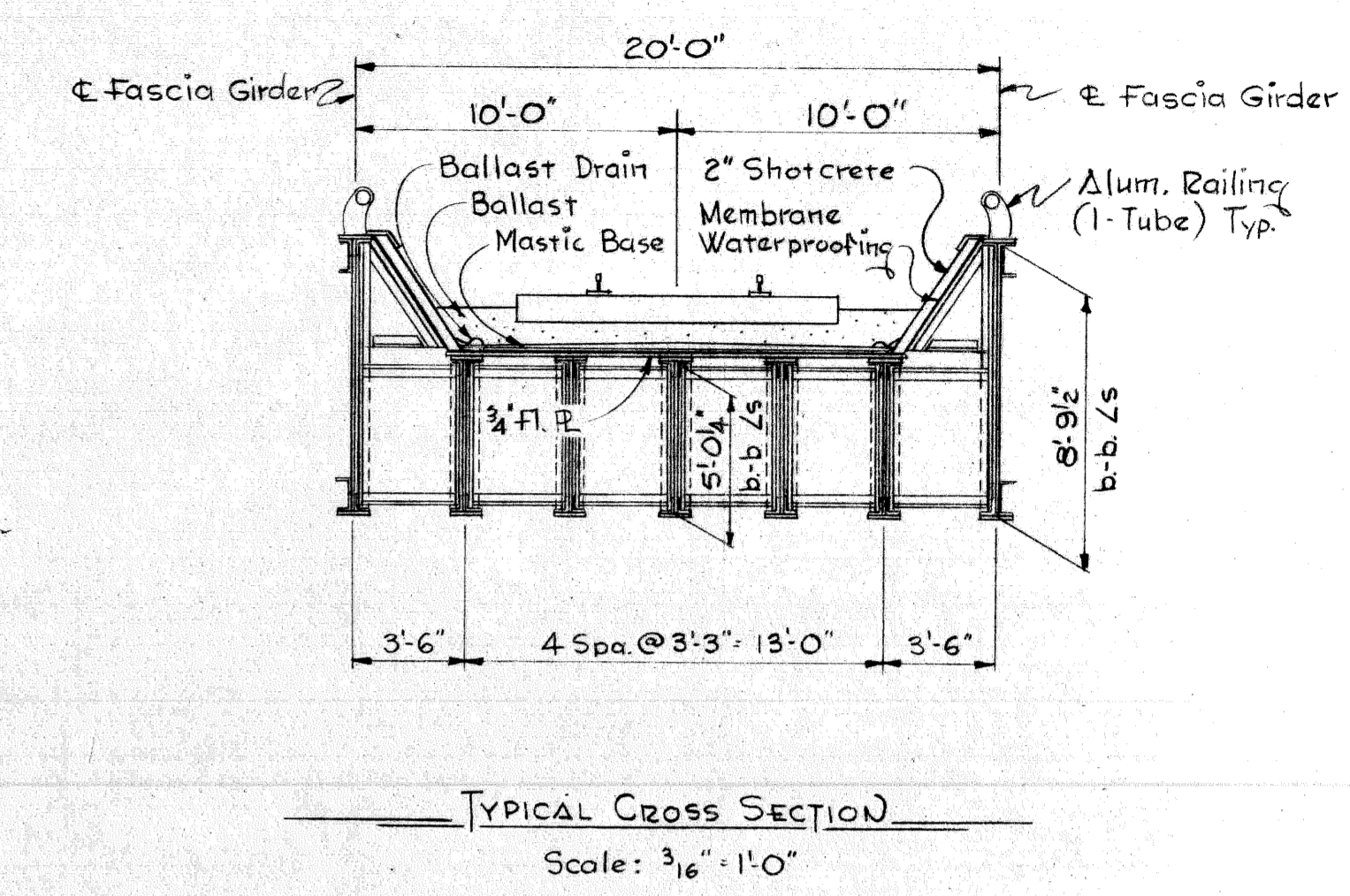
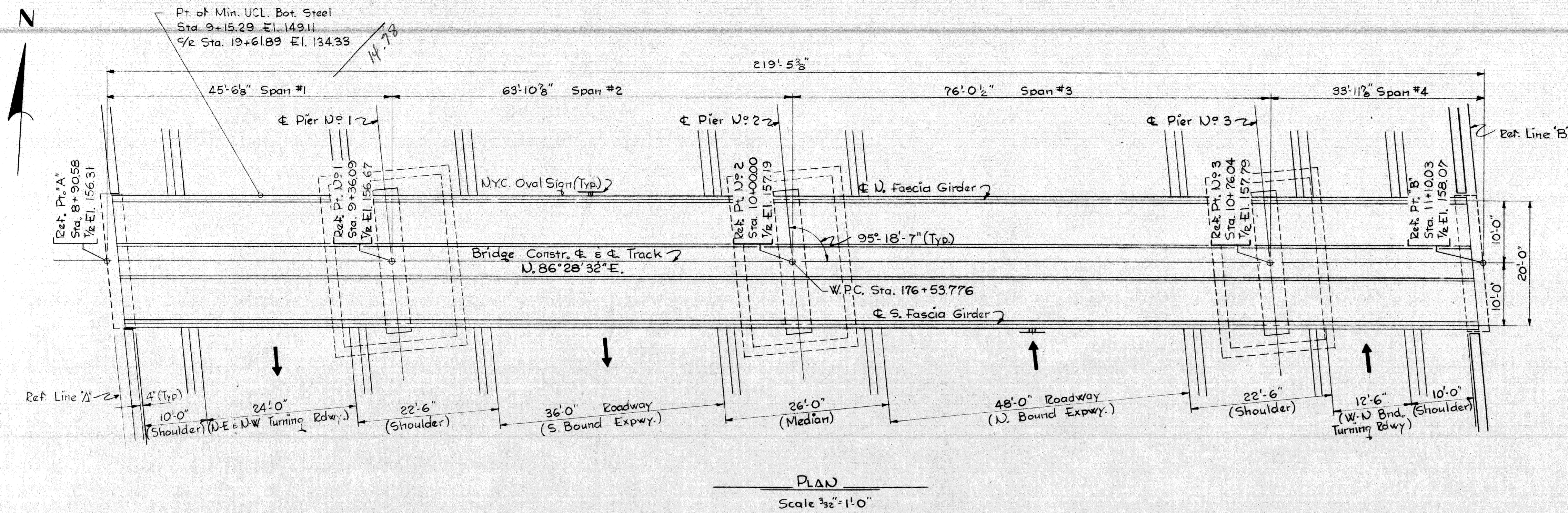
APPROVED _____ COORDINATING ENGINEER
APPROVED _____ ENGINEER OF DESIGN - CONSULTANTS

CITY OF DETROIT

SQUAD BOSS	J. Covert	6/62
DRAWN BY	SL/BS/ESH	6/62
TRACED BY	J. Covert	6/62
CHECKED BY	J. Covert	6/62
SHEET 11 OF 20		

XOI of 82252 A

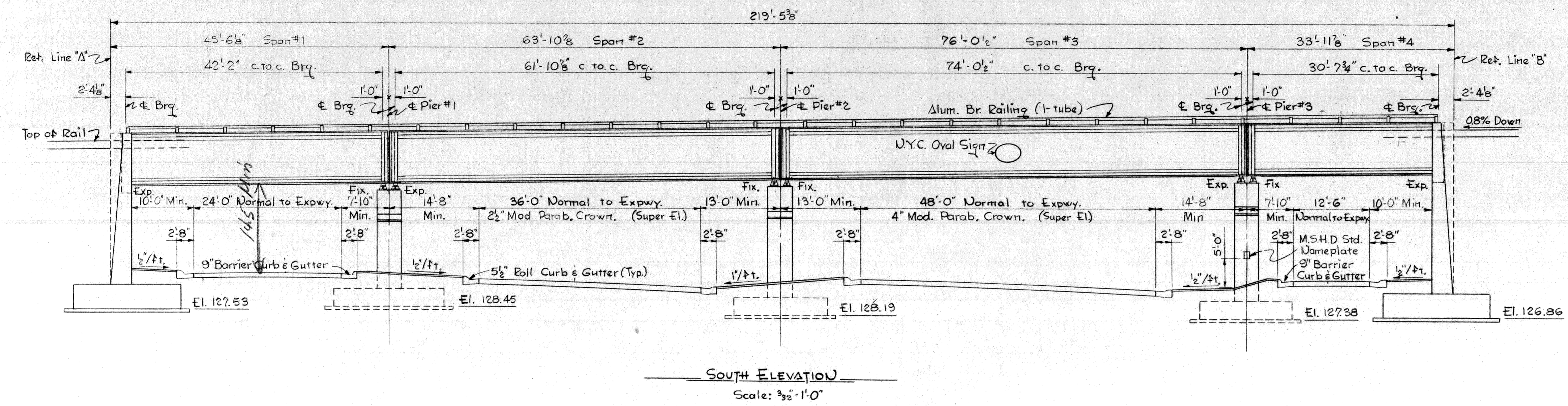
XOI



GIRDER INFORMATION

Span 1 - 36 WF 135/11 1/2" R	Span 3 - Web R 60 x 3 3/8" 4Ls 6 x 6 x 3/8" Bot. R 2-14 x 5 3/8"
Span 2 - Web R 60 x 3 3/8" 4Ls 6 x 6 x 3/8" Bot. R 1-14 x 5 3/8"	Span 4 - 33 WF 118

Fascia Girders (Typ. All Spans)
 Web R 105 x 7 1/2"
 4Ls 6 x 6 x 3/8"
 C.P. 14 x 3 3/8" Top & Bot.
 Ext. Ls 2-6 x 4 x 3/8"



GENERAL NOTES:
 The design for the superstructure is based on A.R.E.A. Specifications for Steel Railway Bridges, 1959 Edition. Substructure design is based on M.S.H.D. Specifications for the Design of Highway Bridges, 1958 Edition.

PRELIMINARY PLAN A
 DATED JUNE 28, 1962

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

CORRECT: *[Signature]*
 RECOMMENDED FOR APPROVAL: *[Signature]*
 Sr. Assoc. Bridge Engr.
 Sr. Assoc. Engr. Exwy. Design

JOB No. PW 897 C

NO.	DESCRIPTION	DATE	BY

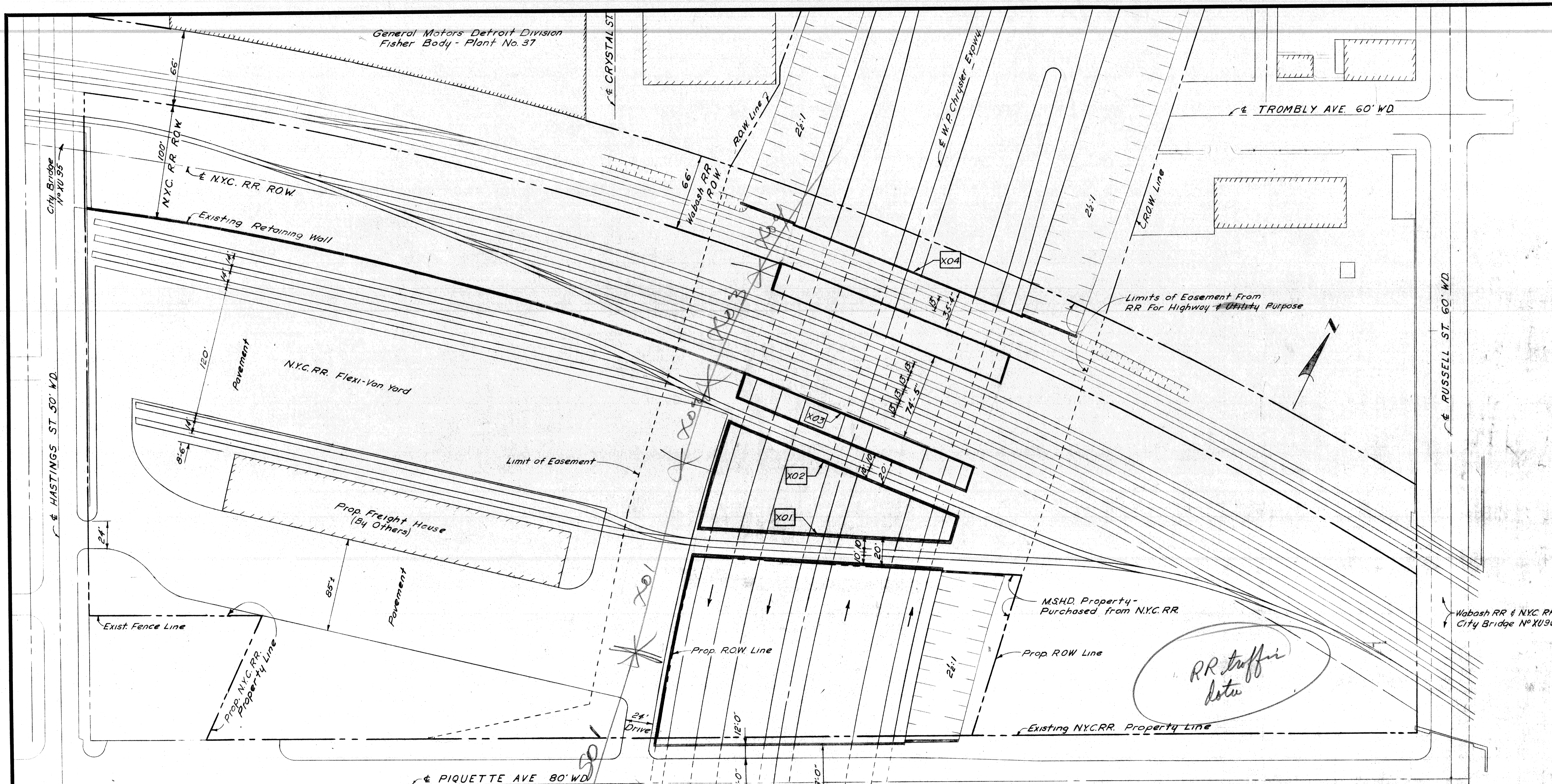
MICHIGAN STATE HIGHWAY DEPARTMENT
 N.Y.C. R. R. - RUSSELL ST. YARD, N.Y.C. R. R. DETROIT BR.
 AND WABASH R. R. CROSSING THE
 WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

GENERAL PLAN OF STRUCTURE

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

CITY OF DETROIT		
SQUAD BOSS	<i>[Signature]</i>	6/62
DRAWN BY	<i>[Signature]</i>	6/62
TRACED BY	<i>[Signature]</i>	6/62
CHECKED BY	<i>[Signature]</i>	6/62
SHEET 12 OF 20		

X02 of 82252 A



General Motors Detroit Division
Fisher Body - Plant No. 37

Existing Retaining Wall

NYC RR Flexi-Van Yard

Prop. Freight House
(By Others)

Limits of Easement From
RR For Highway & Utility Purpose

M.S.H.D. Property -
Purchased from NYC RR

RR traffic later

Existing NYCRR Property Line

Piquette Ave Bridge - 501 of 82252A
This Contract

PRELIMINARY PLAN A
DATED JUNE 28, 1962

CONTROL SECTION 82252 A

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

CORRECTED BY: *[Signature]*
RECOMMENDED FOR APPROVAL BY: *[Signature]*

JOB No. 897 C

REVISIONS			
NO.	DESCRIPTION	DATE	BY

MICHIGAN STATE HIGHWAY DEPARTMENT

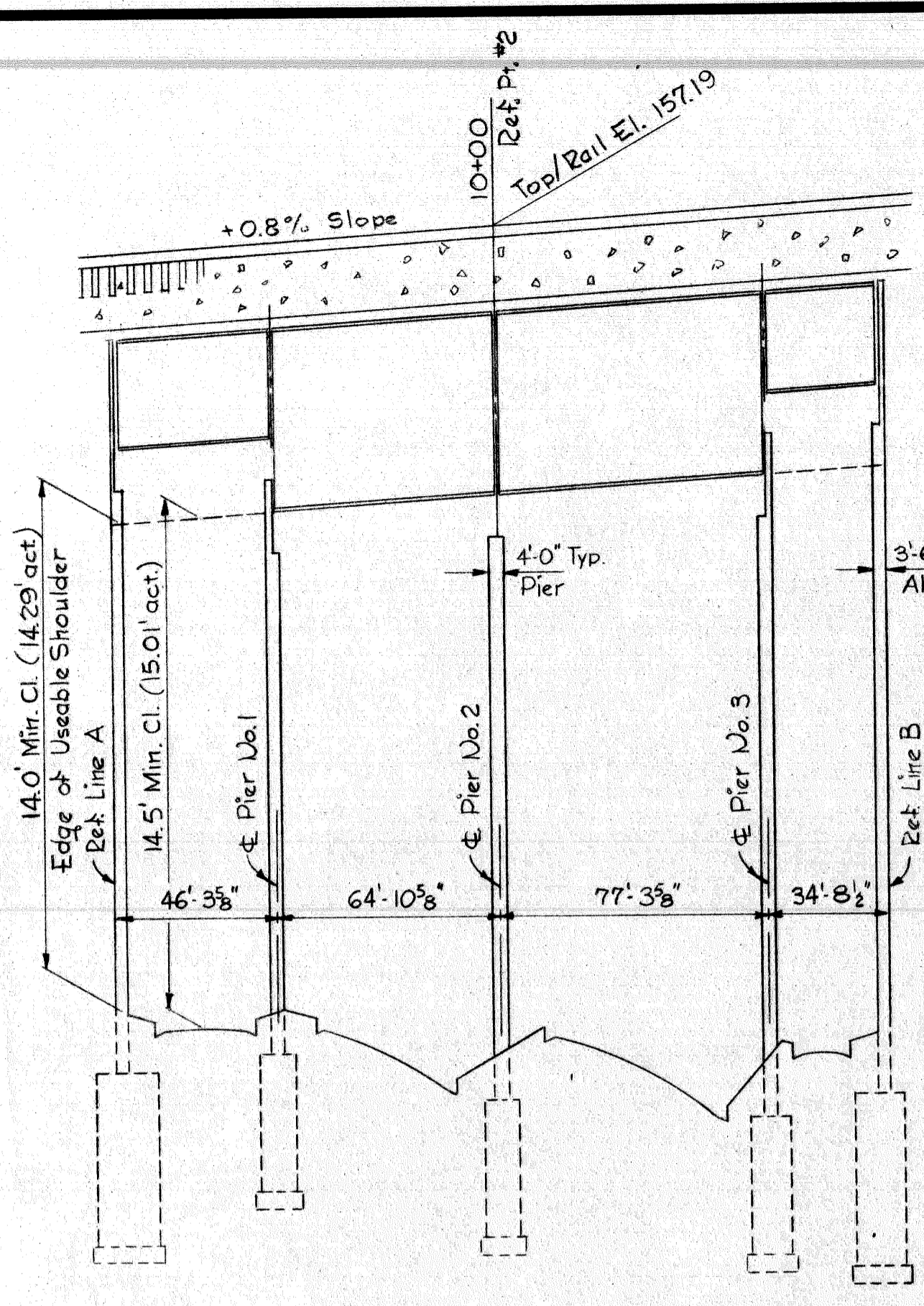
N.Y.C.R.R. - RUSSELL ST. YARD, N.Y.C.R.R. DETROIT BR
AND WABASH R.R. CROSSING THE
WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

GENERAL DRAWING - PLAN

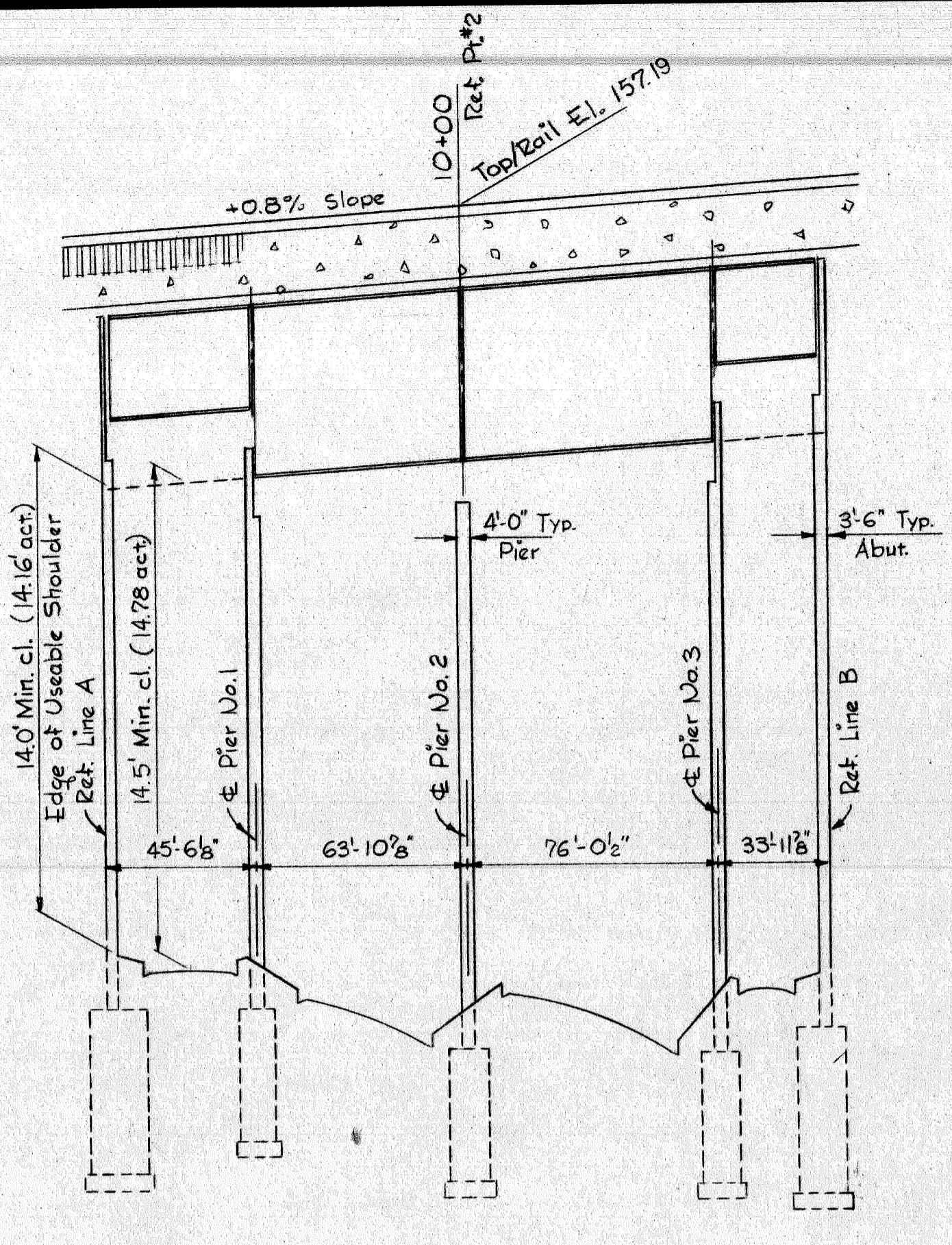
CITY OF DETROIT
SQUAD BOSS: *J. Covert* 6/62
DRAWN BY: *W. Snyder* 4/61
CHECKED BY: *J. Covert* 5/61
SHEET 4 OF 20

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

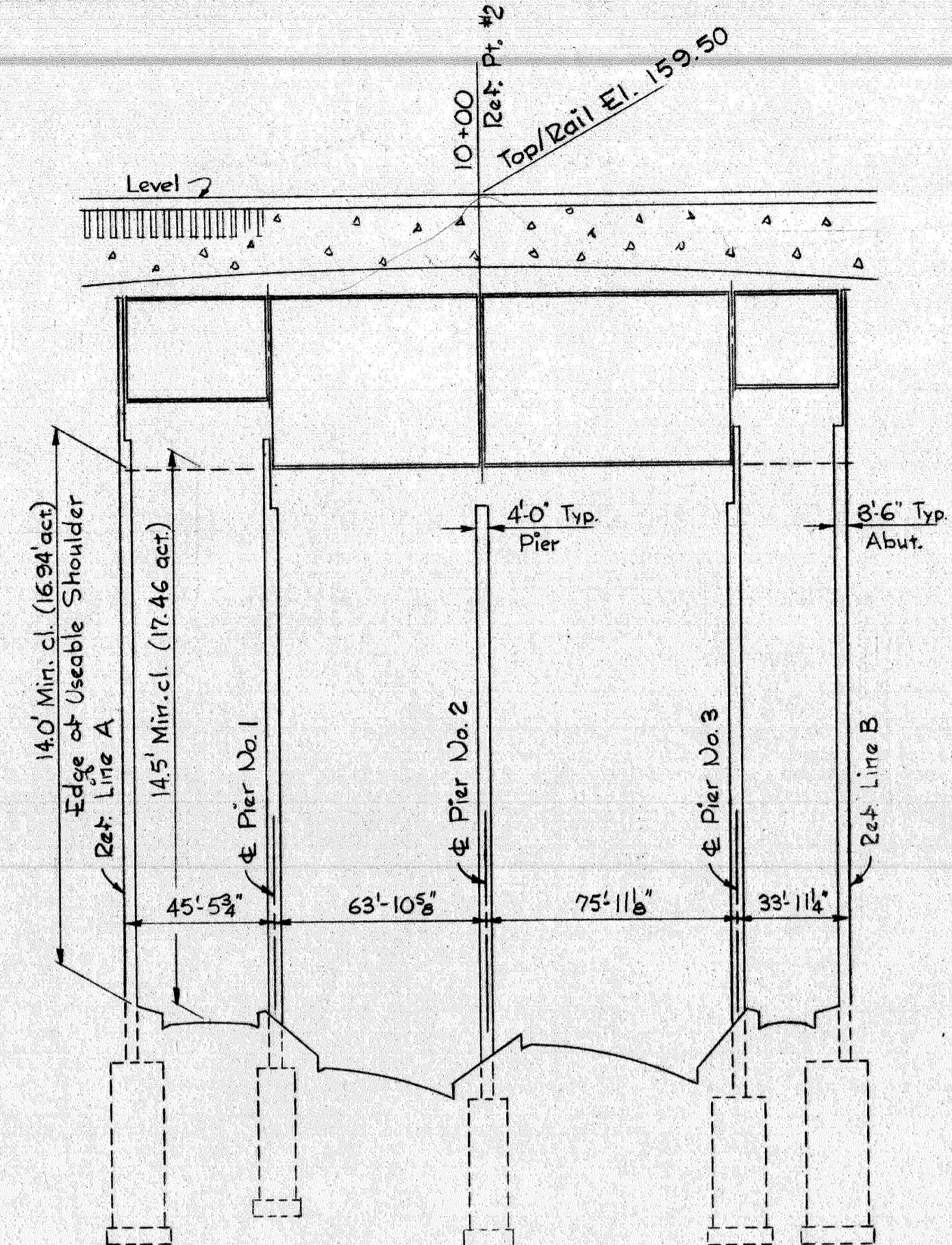
X01, X02, X03 & X04
of 82252 A



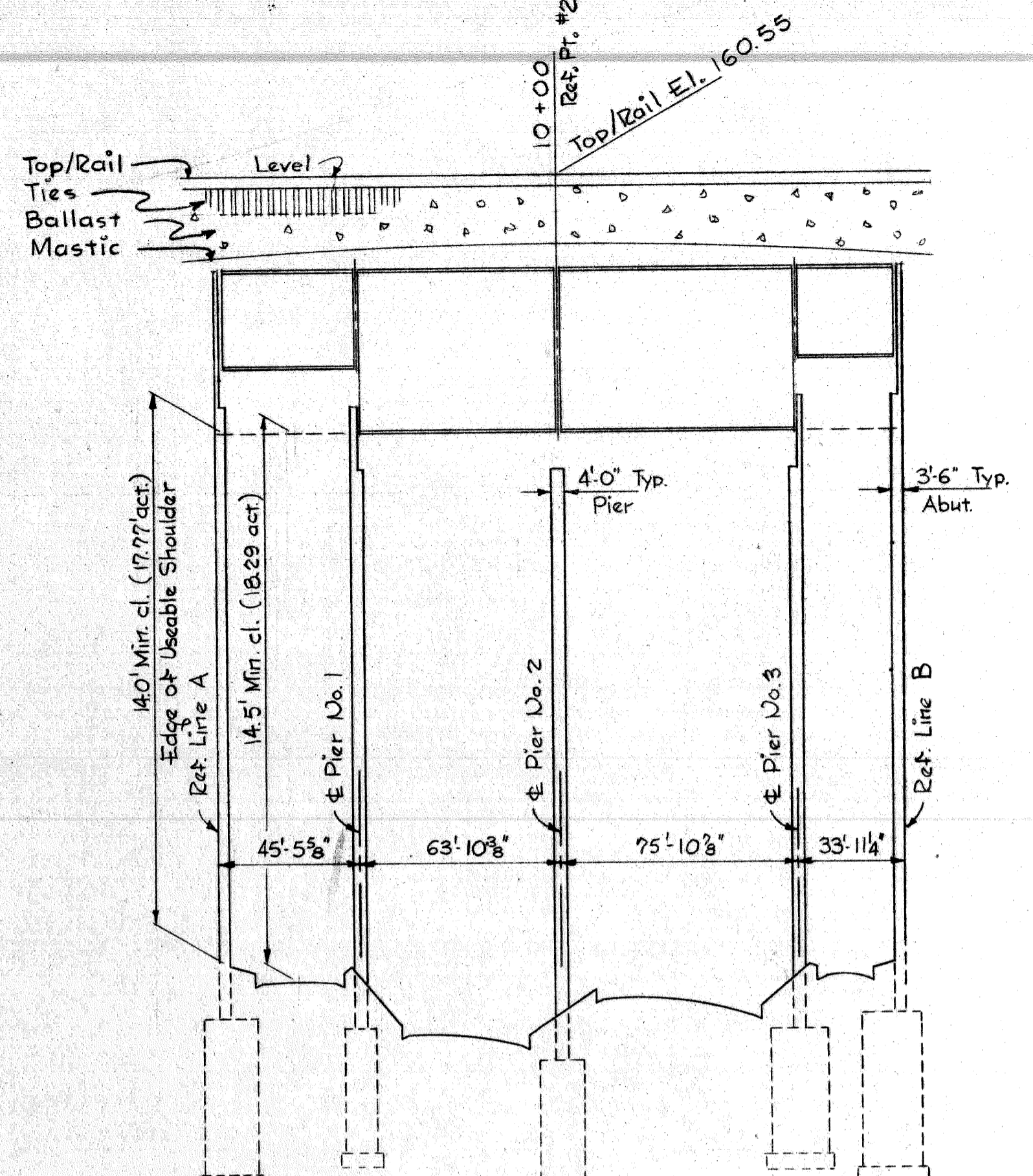
PROFILE ON BRIDGE CONST. #1
NYC R.R. BRIDGE X01



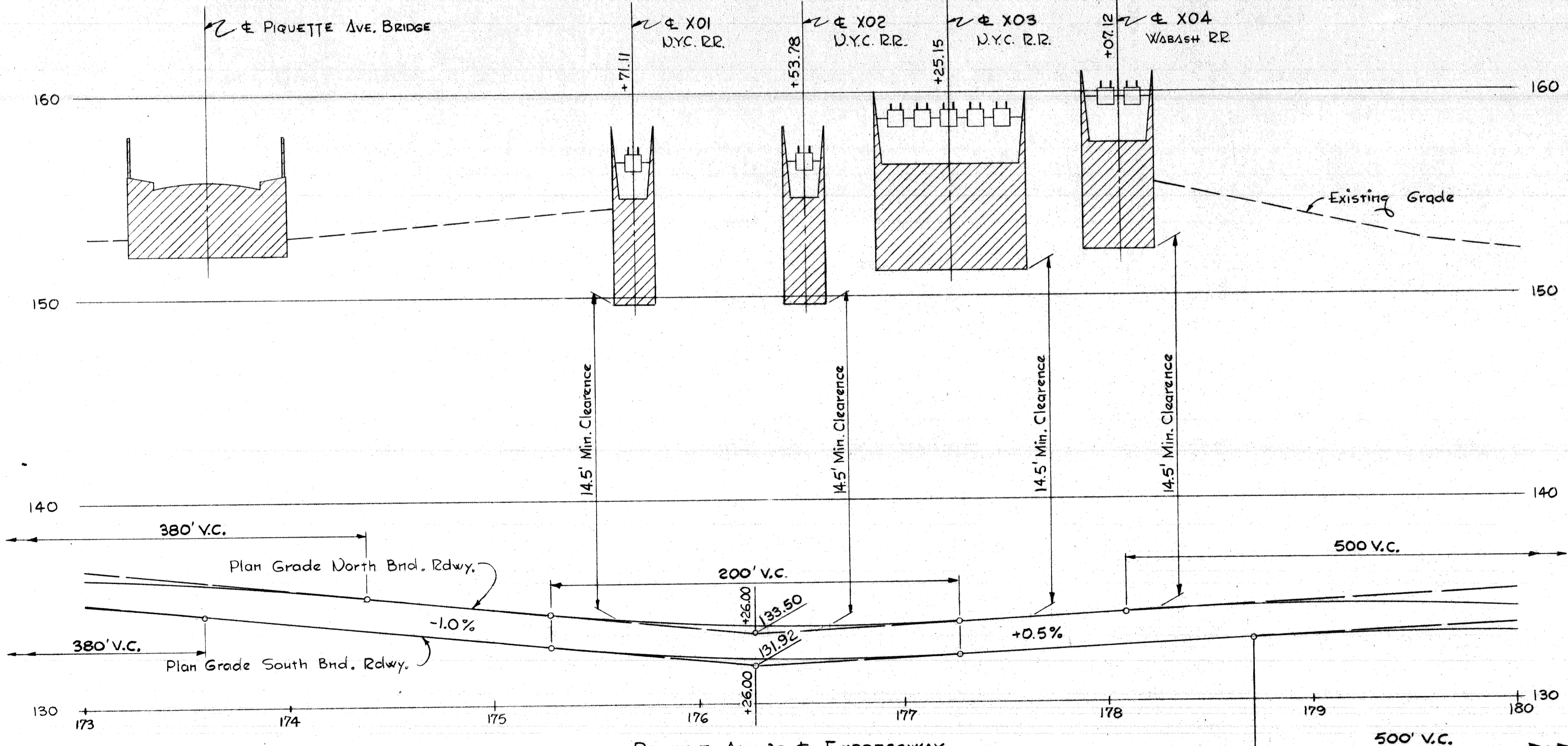
PROFILE ON BRIDGE CONST. #2
NYC R.R. BRIDGE X02



PROFILE ON BRIDGE CONST. #3
NYC R.R. BRIDGE X03



PROFILE ON BRIDGE CONST. #4
WABASH R.R. BRIDGE X04



PROFILE ALONG EXPRESSWAY
Scales: Hor. 1"=40'
Vert. 1"=4'

PRELIMINARY PLAN A
DATED JUNE 28, 1962

CONTROL SECTION 82252 A

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

CORRECT
RECOMMENDED FOR APPROVAL

JOB No.
PW 897 C

NO.	DESCRIPTION	DATE	BY

MICHIGAN STATE HIGHWAY DEPARTMENT
N. Y. C. R. R. - RUSSELL ST. YARD, N. Y. C. R. R. DETROIT BR.
AND WABASH R. R. CROSSING THE
WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

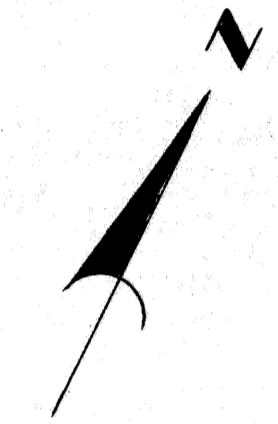
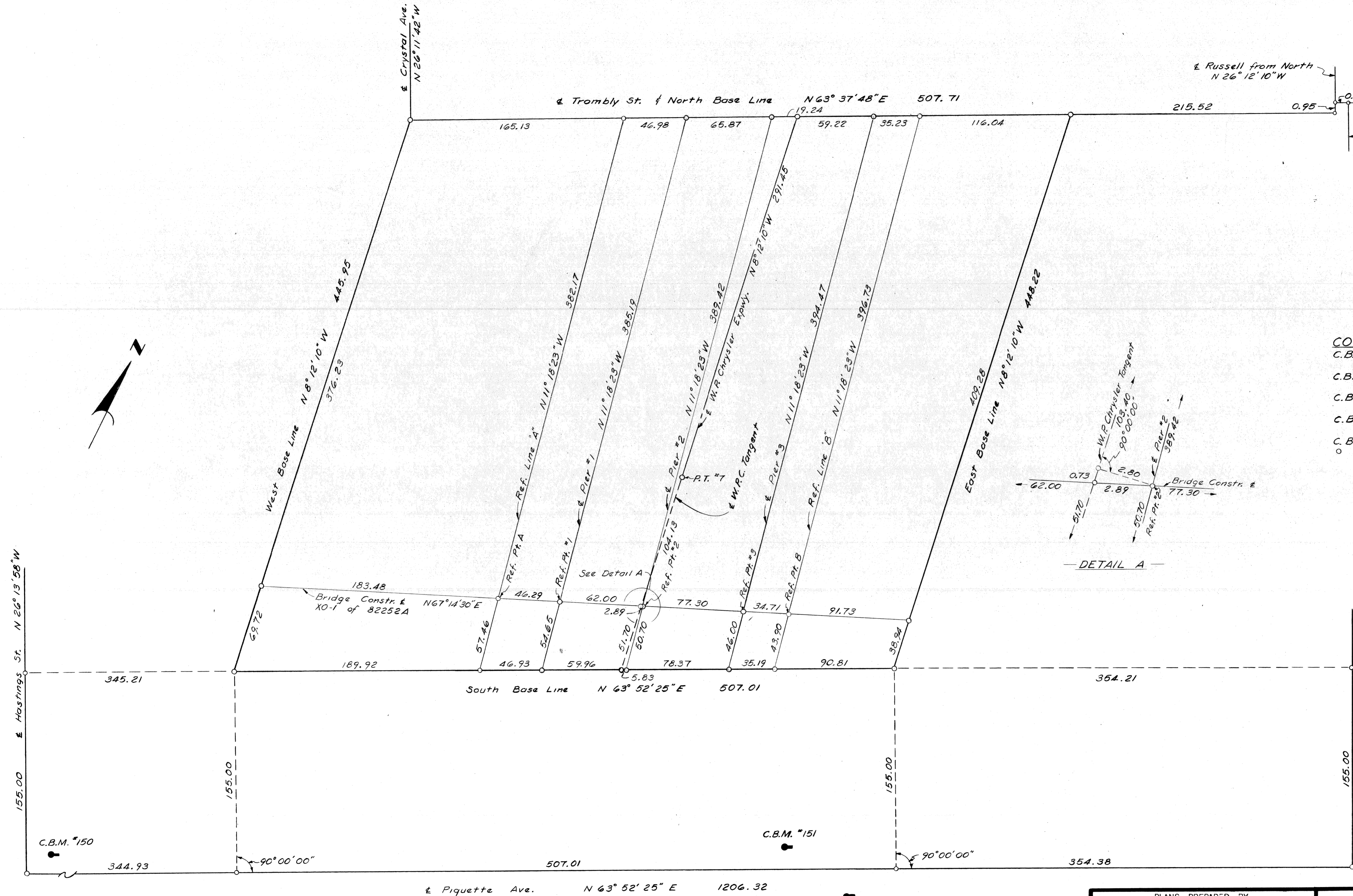
GENERAL DRAWING - PROFILES

APPROVED _____
COORDINATING ENGINEER

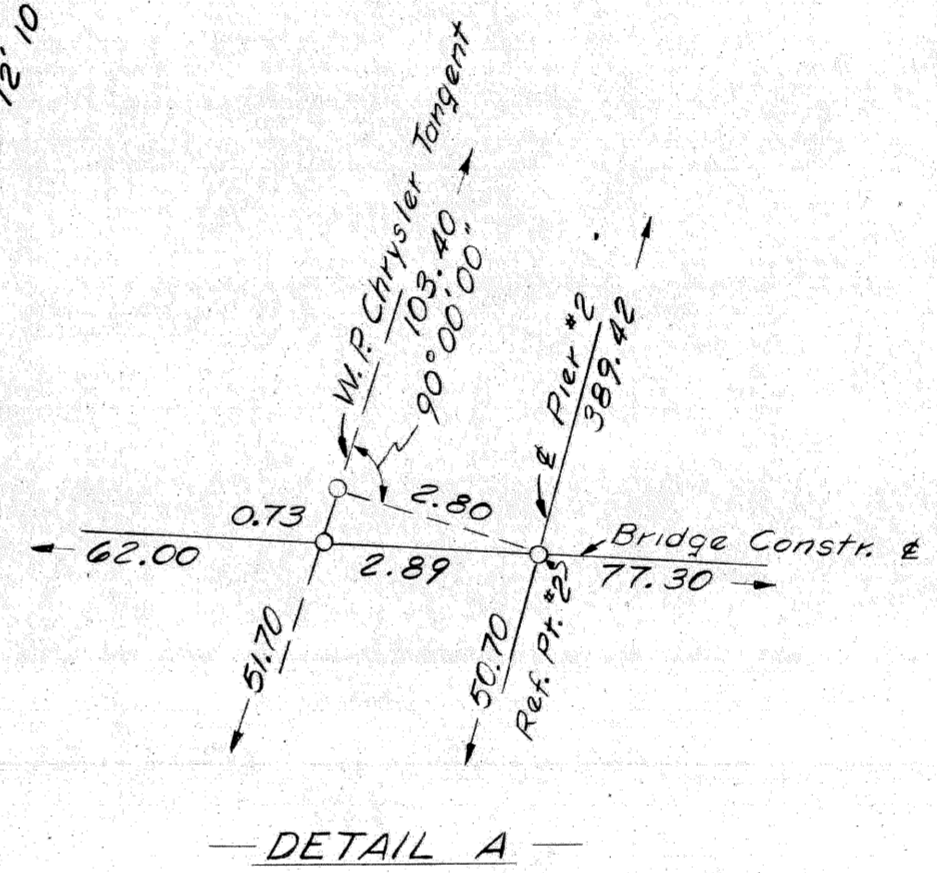
APPROVED _____
ENGINEER OF DESIGN - CONSULTANTS

CITY OF DETROIT	
SQUAD BOSS	J. Covert 6/62
DRAWN BY	W. J. B. 6-62
CHECKED BY	J. Covert 6/62
SHEET	5 OF 20

X01, X02, X03 & X04
of 82252 A



CONSTRUCTION BENCH MARKS
 C.B.M. #150 Arrow on hydrant - N.E. corner Hastings & Piquette - El. 154.892
 C.B.M. #151 Arrow on hydrant - N.W. corner Rivard & Piquette - El. 156.621
 C.B.M. #152 Arrow on hydrant - S.E. corner Rivard & Piquette - El. 155.134
 C.B.M. #159 Arrow on hydrant - N.E. corner Russell & Trombly - El. 154.591
 C.B.M. denotes Construction Bench Mark
 o indicates Ref. Point or Point of Intersection.



Why not reduce this detail and show all 4 or one sheet for P.P. plan distribution. The individual sheets may be forwarded to the field personnel after the job has been completed.

Work this sheet with sheets
PRELIMINARY PLAN A
 DATED JUNE 28, 1962
 CONTROL SECTION 82252A

ALIGNMENT DIAGRAM
 Scale: 1" = 40'-0"

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

CORRECT: *[Signature]* Sr. Assoc. Bridge Eng.
 RECOMMENDED FOR APPROVAL: *[Signature]* Sr. Assoc. Eng. - Expy. Design

JOB No. PW897C

NO.	DESCRIPTION	DATE	BY

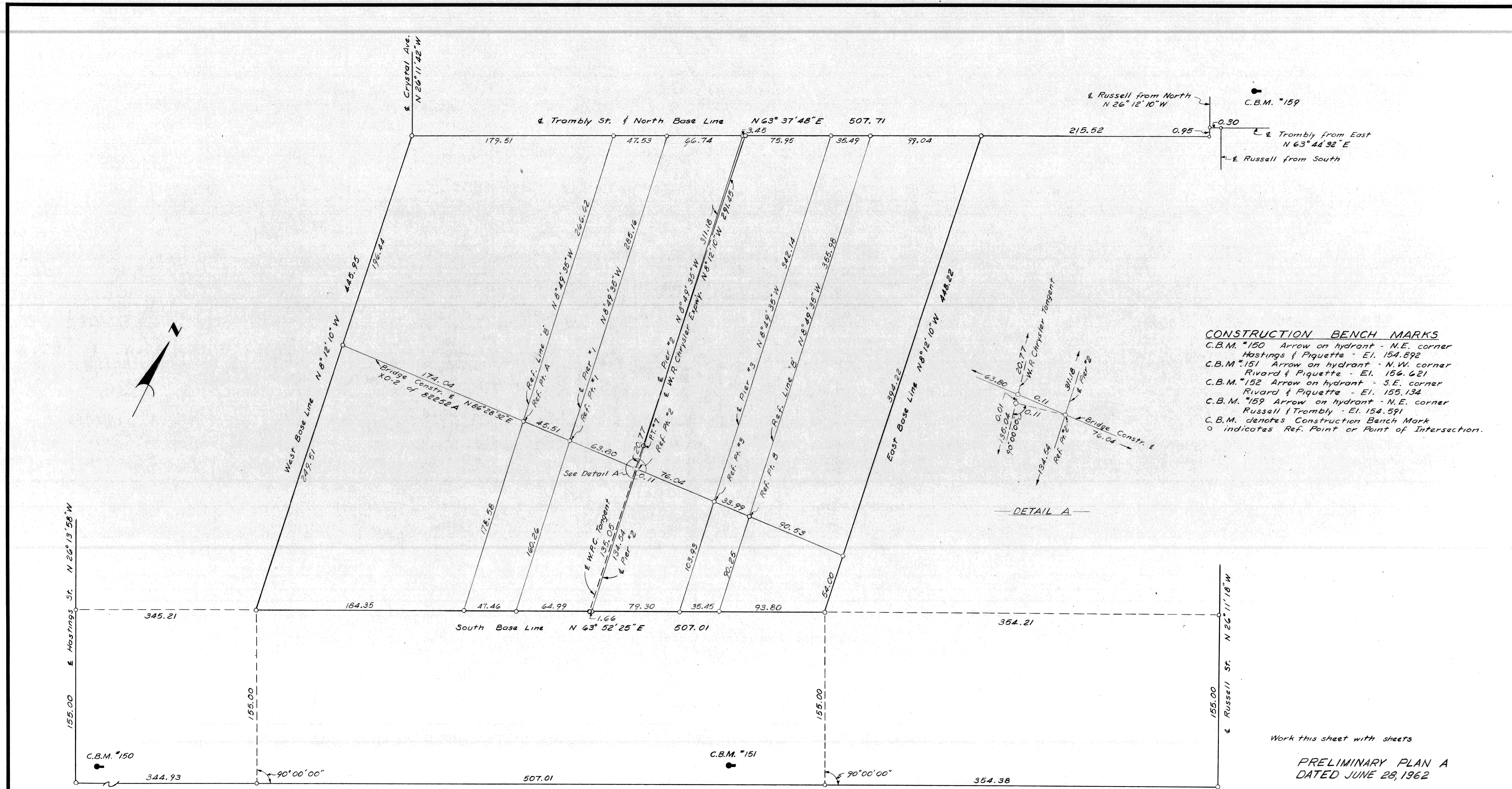
MICHIGAN STATE HIGHWAY DEPARTMENT
 N. Y. C. R. R. - RUSSELL ST. YARD, N. Y. C. R. R. DETROIT BR. AND WABASH R. R. CROSSING THE WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

ALIGNMENT DIAGRAM

CITY OF DETROIT
 SQUAD BOSS: *[Signature]* 6/62
 DRAWN BY: *[Signature]* 1-62
 TRACED BY: *[Signature]* 2-62
 CHECKED BY: *[Signature]* 2/62
 SHEET 6 OF 20

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

XOI of 82252A



CONSTRUCTION BENCH MARKS
 C.B.M. #150 Arrow on hydrant - N.E. corner Hastings & Piquette - El. 154.892
 C.B.M. #151 Arrow on hydrant - N.W. corner Rivard & Piquette - El. 156.621
 C.B.M. #152 Arrow on hydrant - S.E. corner Rivard & Piquette - El. 155.134
 C.B.M. #159 Arrow on hydrant - N.E. corner Russell & Trombly - El. 154.591
 C.B.M. denotes Construction Bench Mark
 o indicates Ref. Point or Point of Intersection.

— ALIGNMENT DIAGRAM —
 Scale: 1" = 40'-0"

Work this sheet with sheets
 PRELIMINARY PLAN A
 DATED JUNE 28, 1962
 CONTROL SECTION 82252A

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

CORRECT: *[Signature]* Sr. Assoc. Bridge Eng.
 RECOMMENDED FOR APPROVAL: *[Signature]* Sr. Assoc. Eng. - Expy Design

JOB No. PW897C

NO.	DESCRIPTION	DATE	BY

MICHIGAN STATE HIGHWAY DEPARTMENT
 N. Y. C. R. R. - RUSSELL ST. YARD N. Y. C. R. R. DETROIT BR.
 AND WABASH R. R. CROSSING THE
 WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

ALIGNMENT DIAGRAM

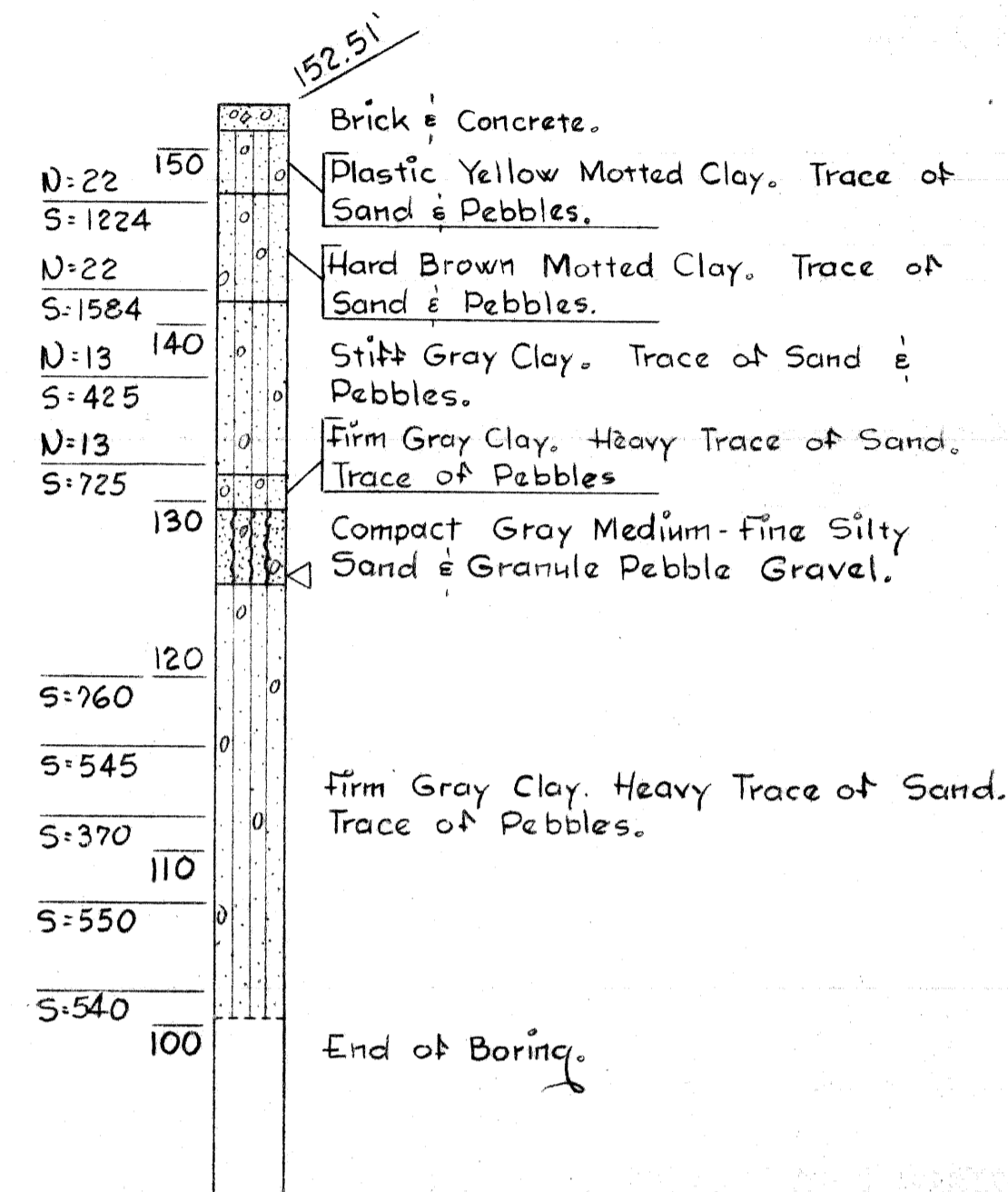
CITY OF DETROIT
 SQUAD BOSS: *J. Covert* 6/62
 DRAWN BY: *W.G. HAYWOOD* 1-62
 TRACED BY: *D. Green* 2-62
 CHECKED BY: *D. Green* 2-62
 SHEET 7 OF 20

APPROVED: _____ COORDINATING ENGINEER
 APPROVED: _____ ENGINEER OF DESIGN—CONSULTANTS

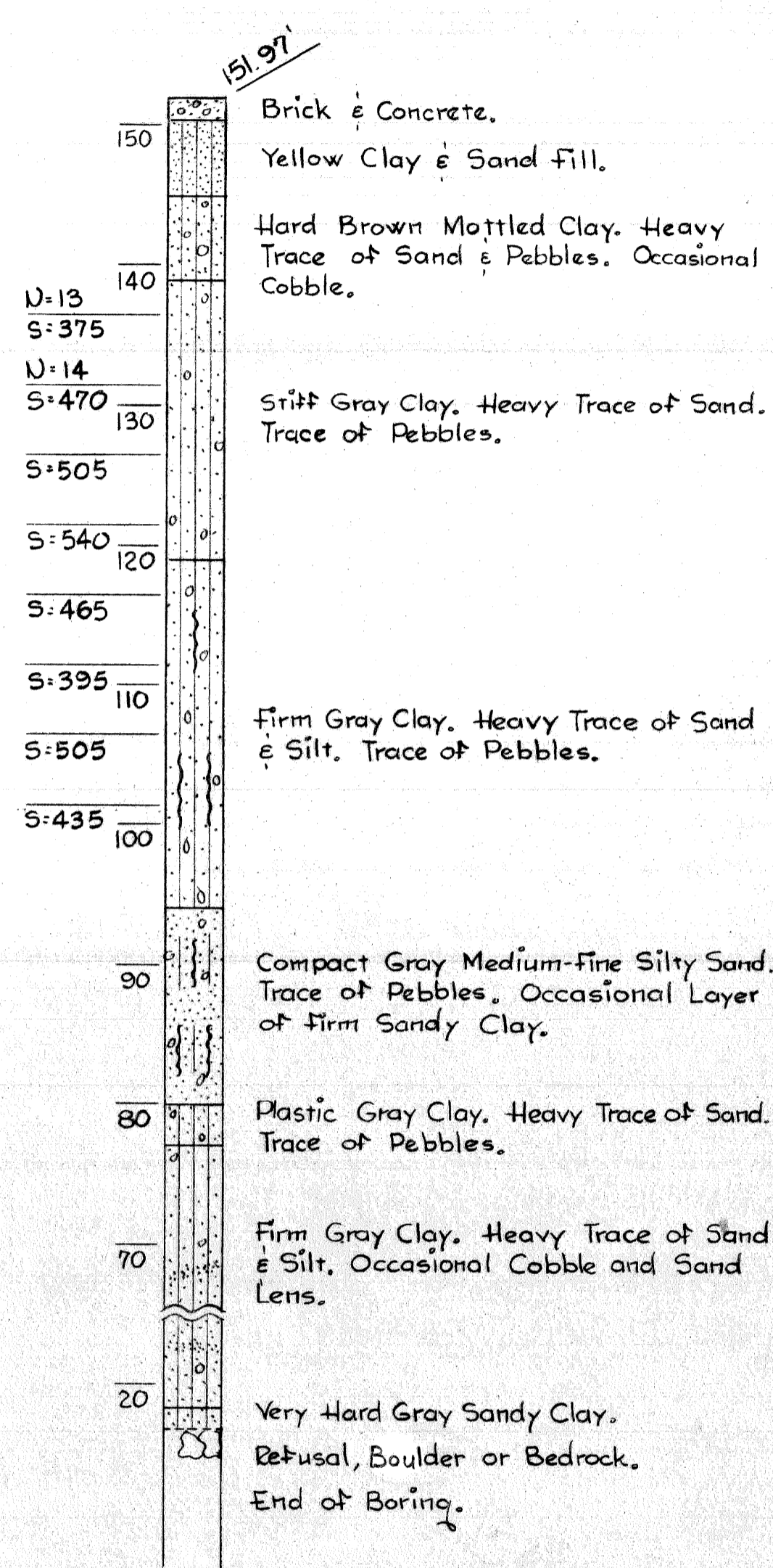
X02 of 82252A

LOG OF SOIL BORINGS

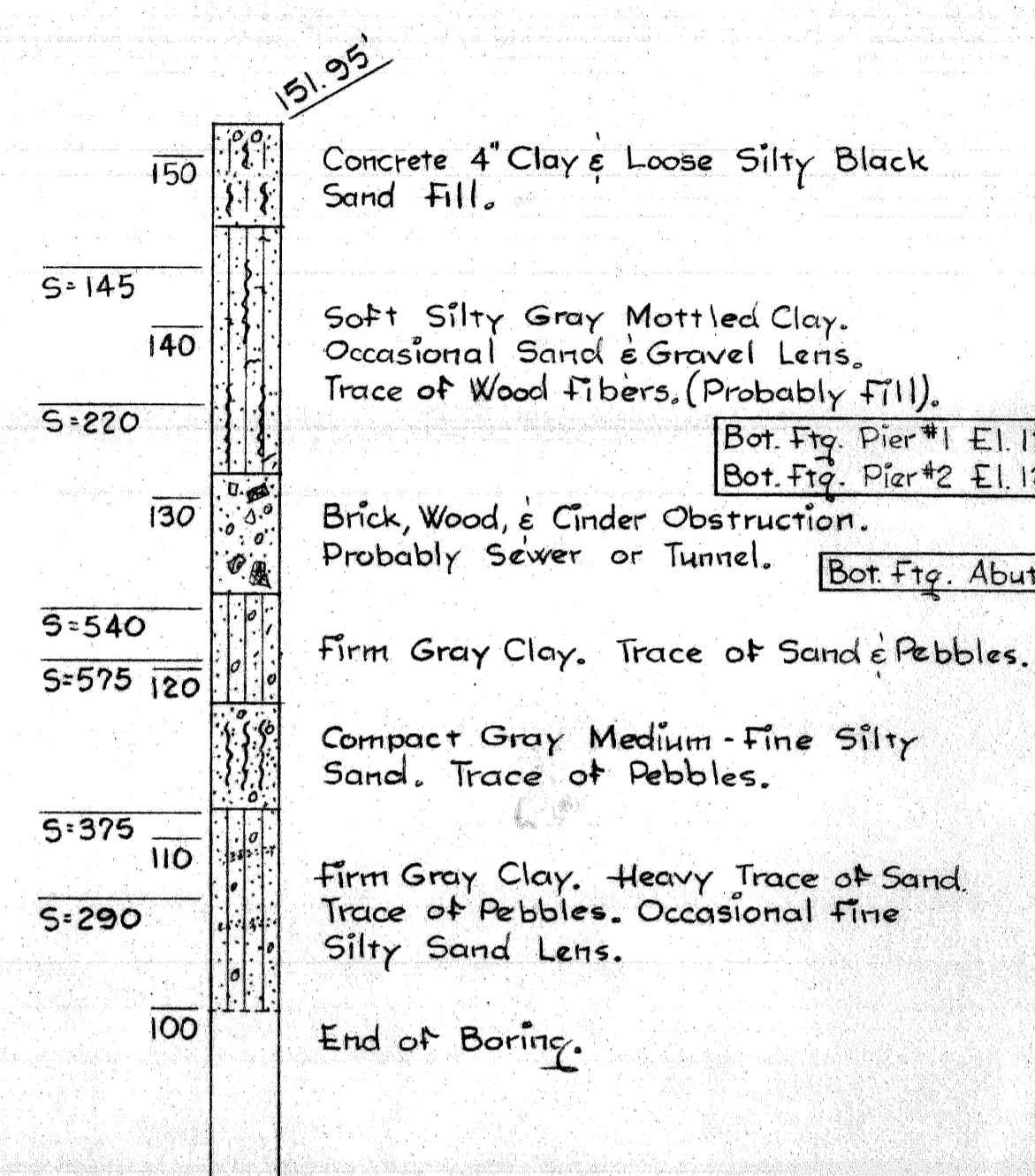
T.H. 125



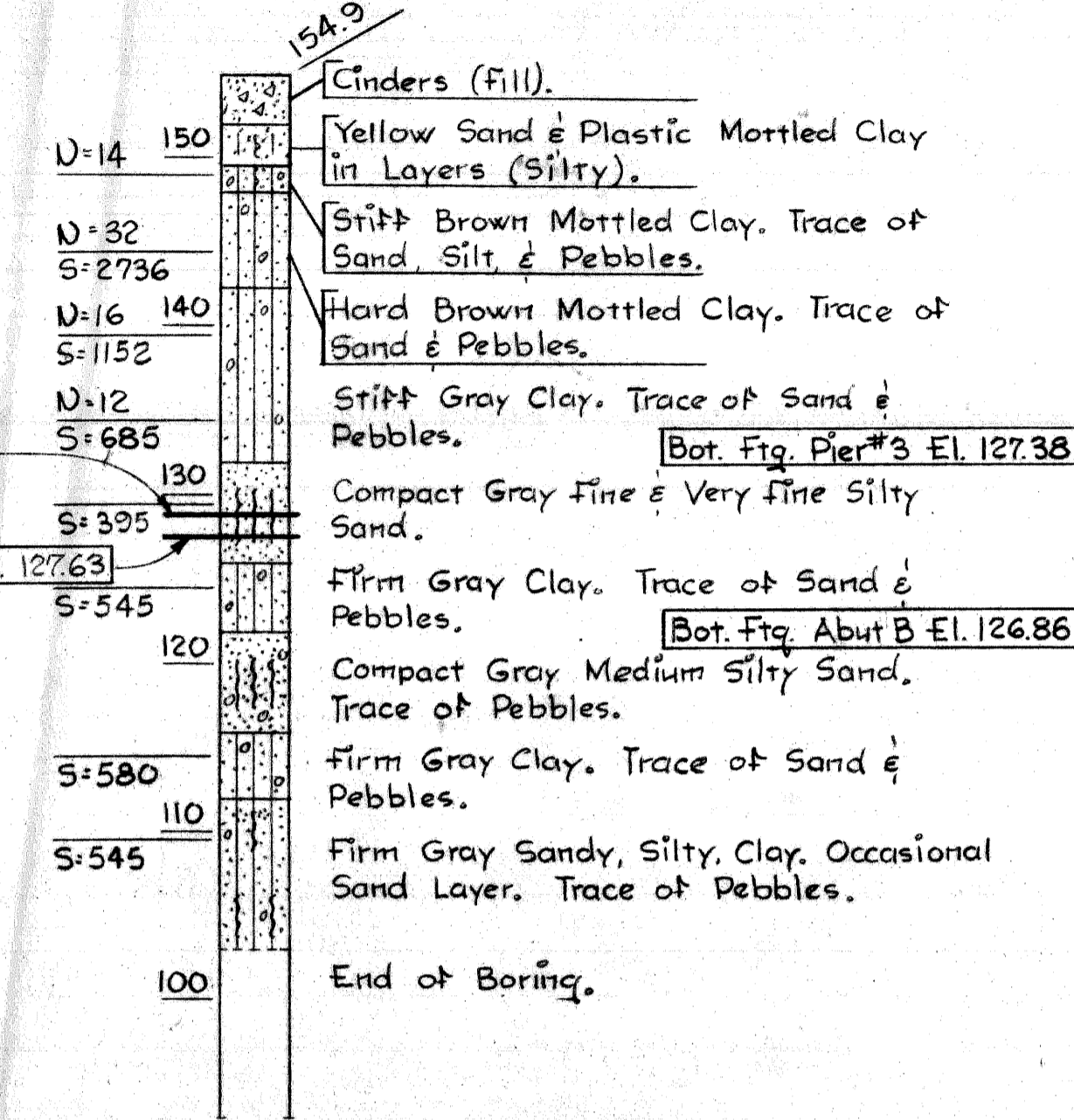
T.H. 127



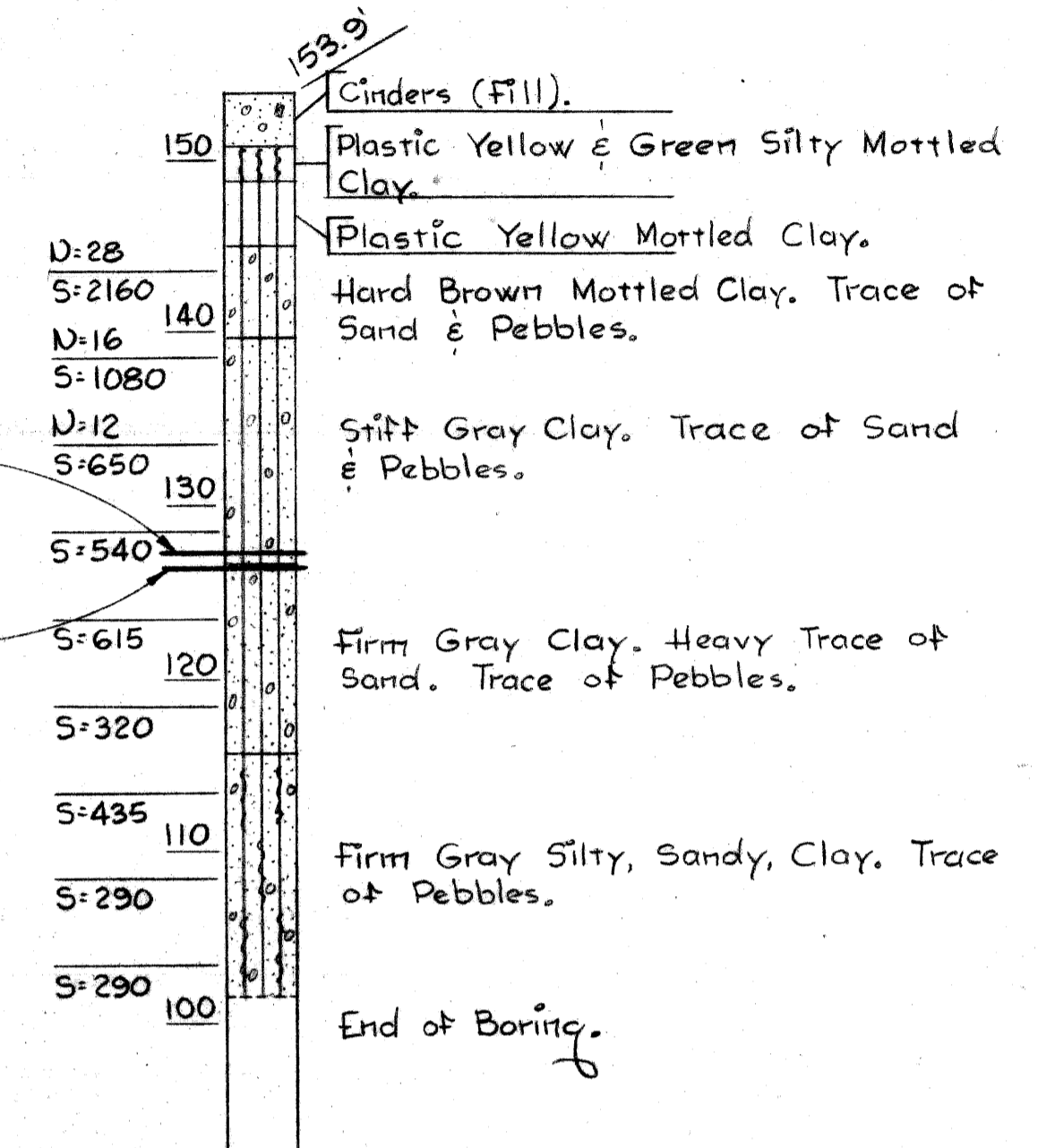
T.H. 128



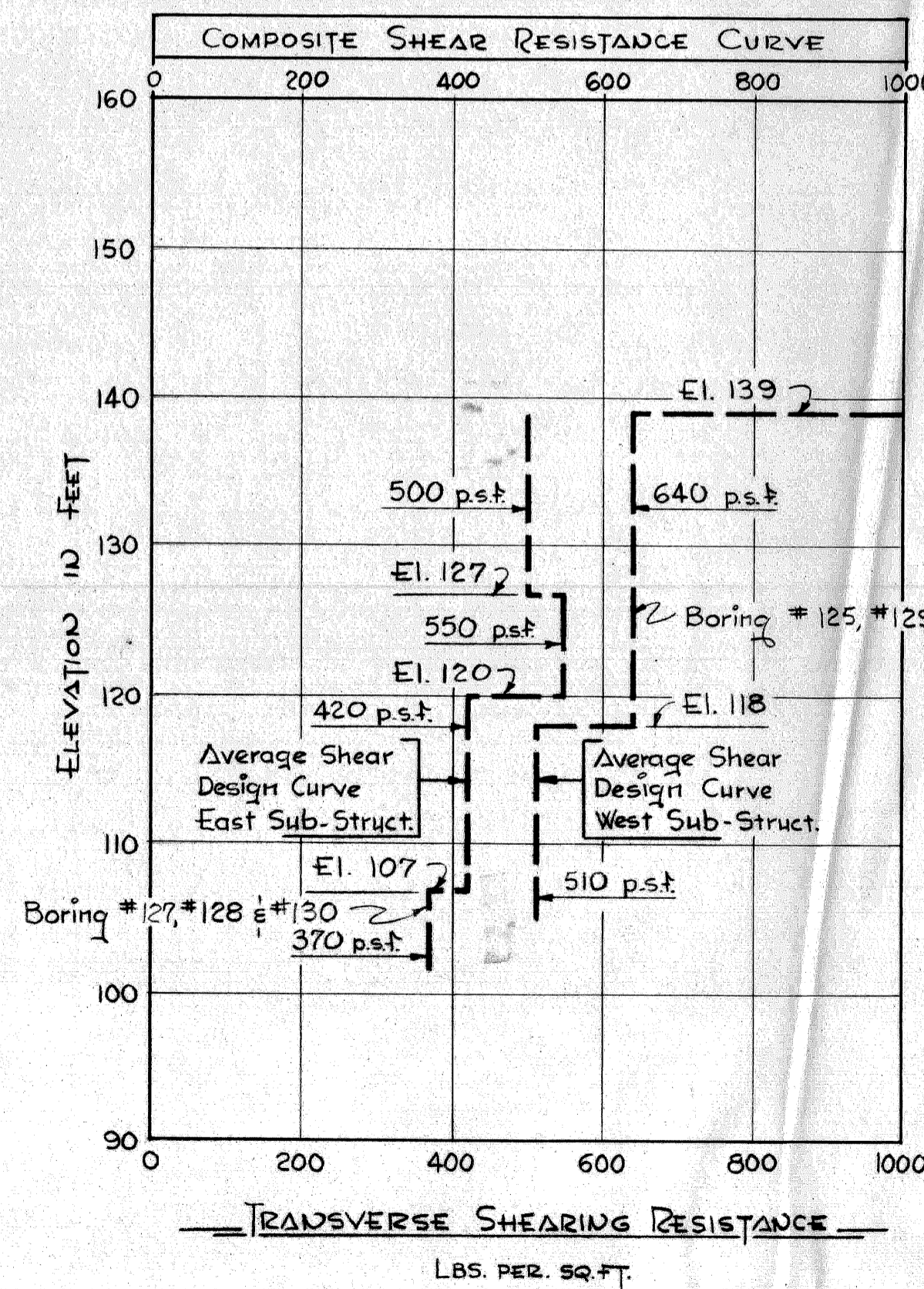
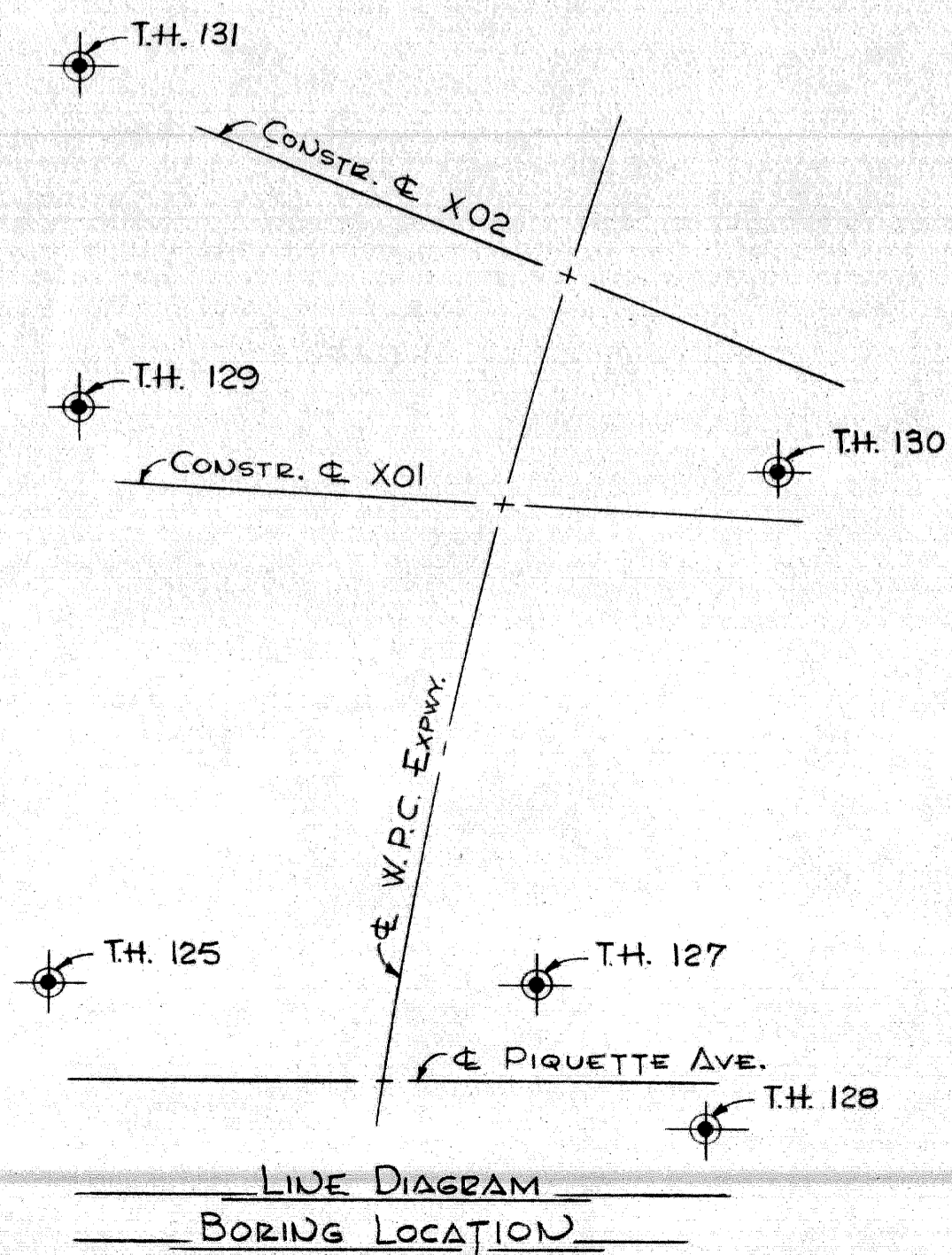
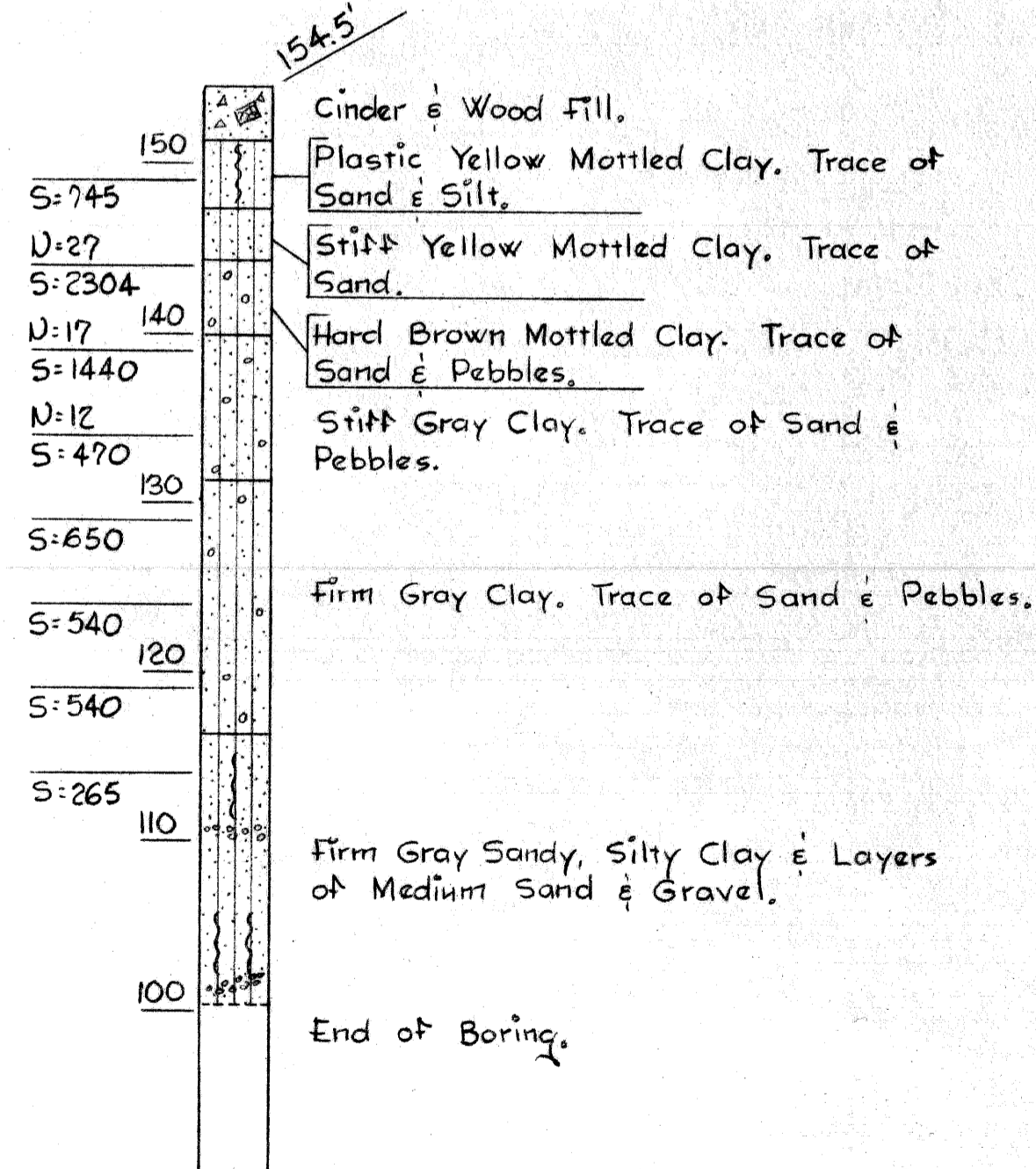
T.H. 129



T.H. 130



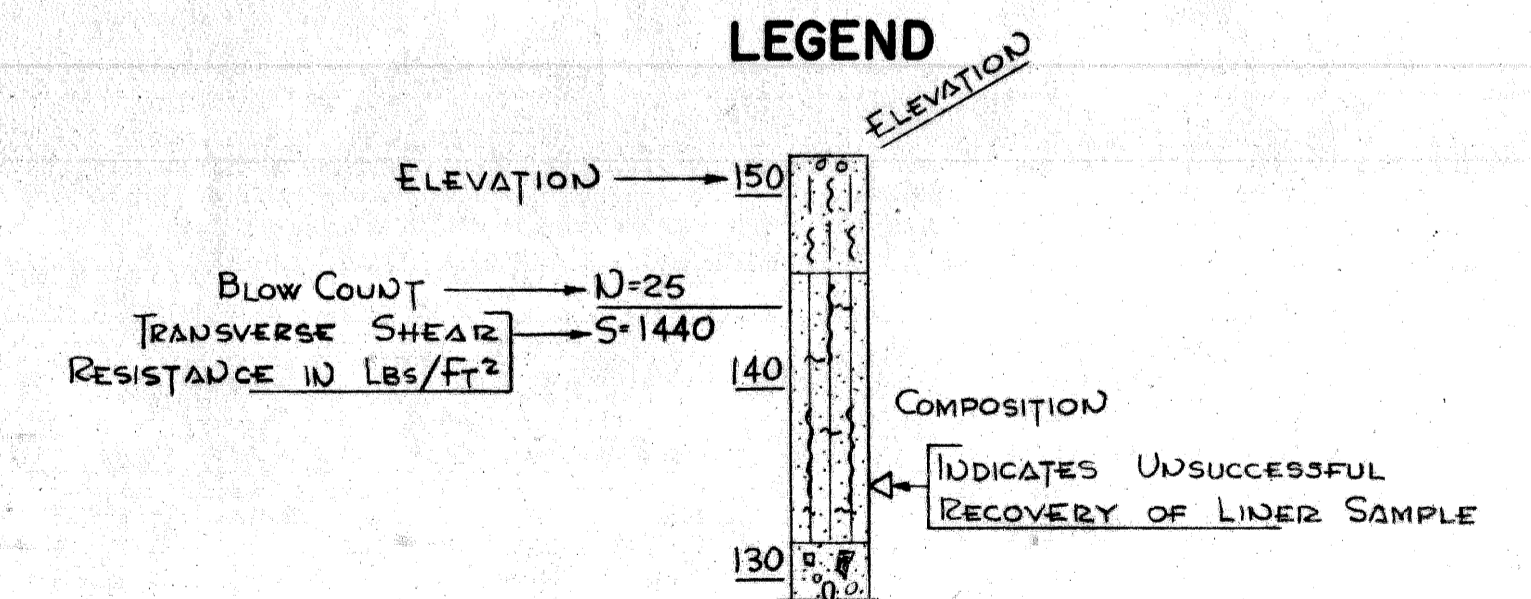
T.H. 131



NOTES:

- N Indicates number of blows required to drive a sampler 12" (or as indicated), using a 140# hammer falling 30". Where blow count is not shown, sampler was either pushed or hand driven.
- S Indicates Transverse Shearing Resistance in Lbs./sq. ft. as determined by M.S.H.D. Standard Test.

Foundation Problem



PRELIMINARY PLAN A DATED JUNE 28, 1962

CONTROL SECTION 82252 A

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

CORRECT
RECOMMENDED FOR APPROVAL

DESIGNER: *[Signature]*
SPECIAL AGENT IN CHARGE

REVISIONS

DATE

BY

MICHIGAN STATE HIGHWAY DEPARTMENT

N. Y. C. R. R. - RUSSELL ST. YARD. N. Y. C. R. R. DETROIT BR. AND WABASH R. R. CROSSING THE WALTER P. CHRYSLER EXPRESSWAY IN DETROIT

LOG OF SOIL BORINGS

APPROVED: _____ COORDINATING ENGINEER

APPROVED: _____ ENGINEER OF DESIGN-CONSULTANTS

JOB NO. PW 897C

CITY OF DETROIT
SQUAD BOSS: *[Signature]*
DRAWN BY: *[Signature]*
CHECKED BY: *[Signature]*
SHEET 2 OF 20

X01 & X02 of 82252 A