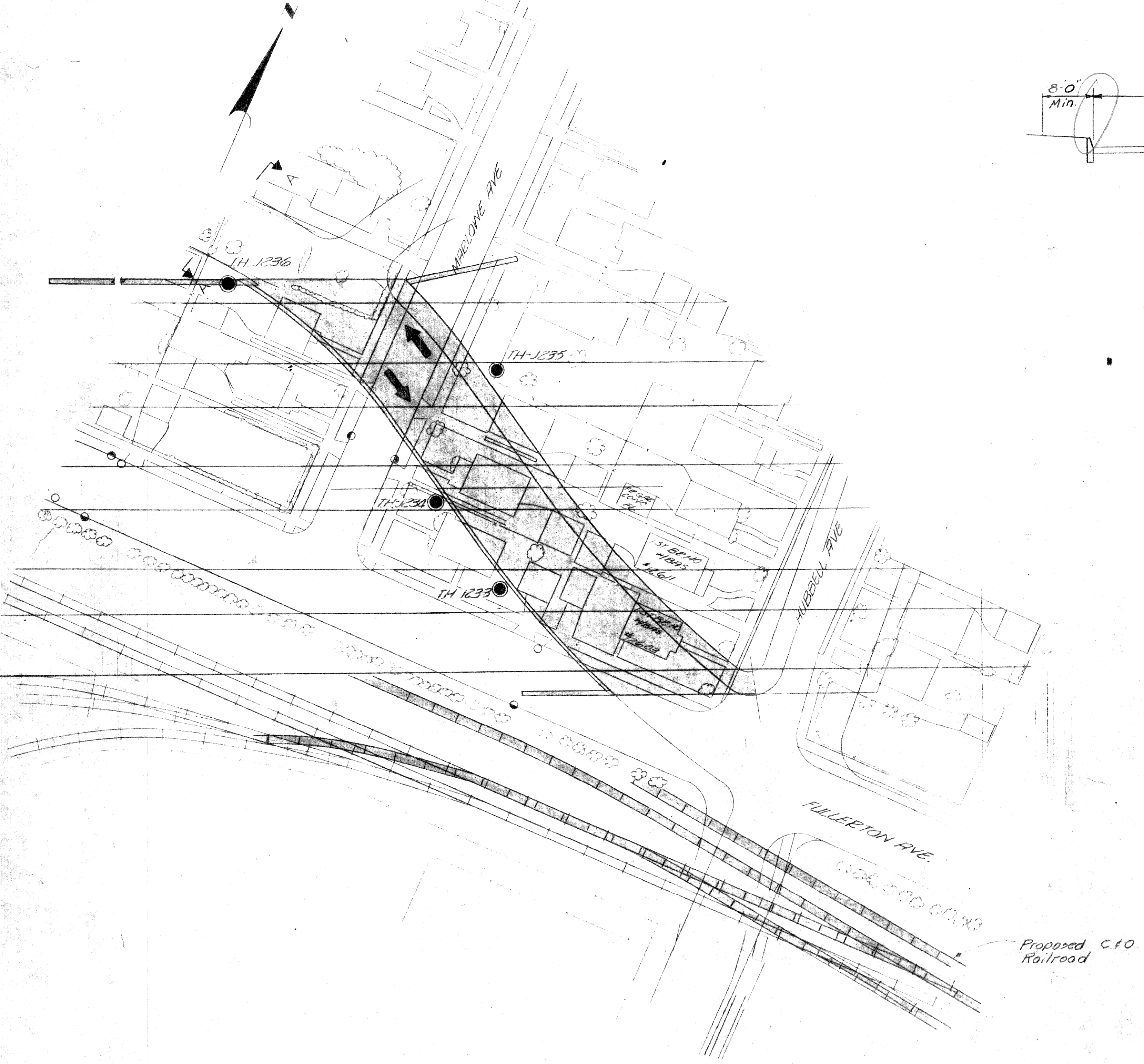


SECTION A-A



SURVEY PLAN
Scale: 1"=40'

Note: TH - Denotes Test Hole Location. See Sheets # 1 & 2 for Log of Soil Boring.

- LEGEND**
- Tree
 - Fence
 - P.L.C. Manhole
 - Sewer Manhole
 - ⊕ Water Gatewell & Valve
 - ⊙ D.E. Manhole
 - ⊗ P.L.C. Lightpole
 - Sewer Inlet or Catch Basin

GENERAL NOTES:

The work covered by these plans includes construction of the proposed bridge. All other work is included in the Road Plans which are a part of this contract. Removal of buildings and fences is not a part of this contract.

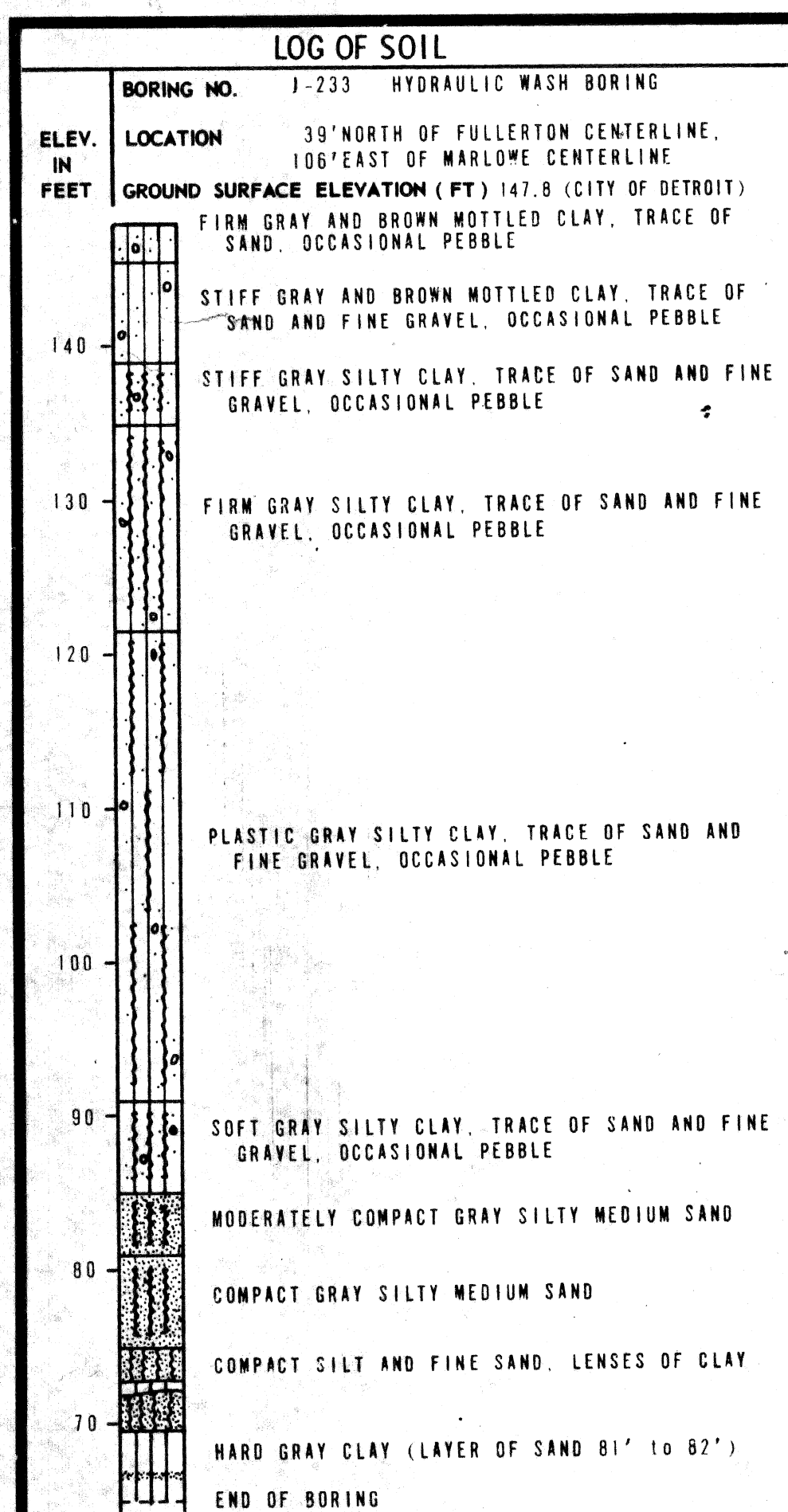
Datum refers to City of Detroit datum.

Fullerton traffic is to be maintained over the temporary road. (See Rd. Plans)

Add Traffic Count

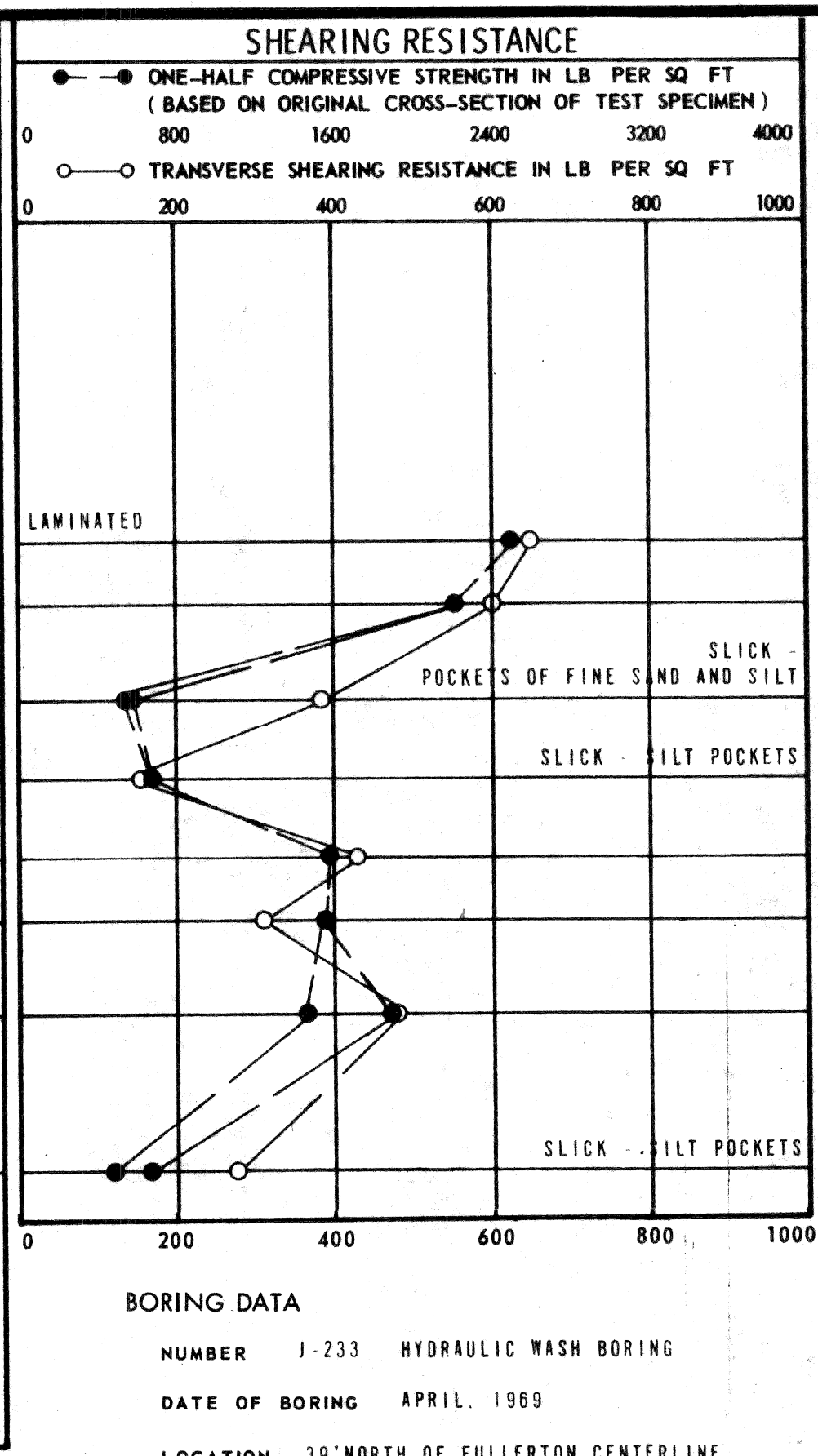
PRELIMINARY PLAN A DATE 9-15-69

MICHIGAN DEPARTMENT OF STATE HIGHWAYS FULLERTON AVE. CROSSING THE JEFFRIES FREEWAY IN DETROIT	
GENERAL PLAN OF SITE	
APPROVED: <i>R. Montgomery</i> 10-8-69 SUPERVISOR	SHEET 1 OF 2 DATE 10-18-69
DRAWN BY: <i>10/1</i> TRACED BY: <i>A.J.G.</i> CHECKED BY:	SQUAD BOSS: <i>10/1</i> DATE: 8-69 SHEET 1 OF 2 DATE: 9-69
S13 of 821230	



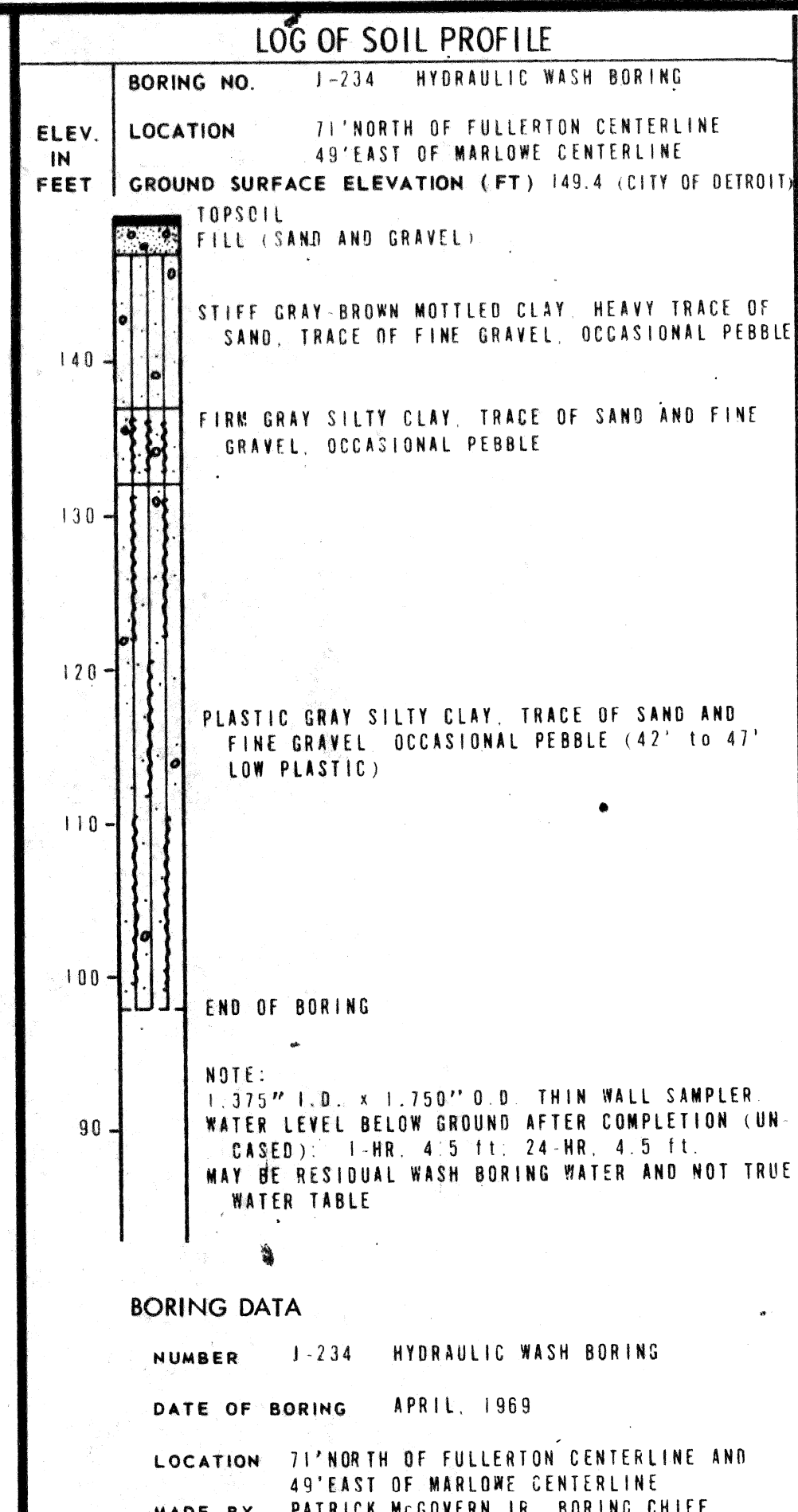
SOIL SAMPLE

SA. NO.	ELEV. IN FEET	PENETRATION		CONSISTENCY	MOISTURE PER CENT DRY WT.	DRY WT. LB PER CU FT
		NO. OF BLOWS	DRIVE IN INCHES			
1	142.8	7-10	6-6	NO		SAMPLE
2	137.8	7-9	6-6	NO		SAMPLE
3	132.8	5-6	6-6	NO		SAMPLE
4	127.3	LEVERED	FIRM	FIRM	19.4	108.6
5	123.3	LEVERED	FIRM	FIRM	17.5	113.6
6	117.3	LEVERED	PLASTIC	SOFT TO PLASTIC	29.0 31.0	94.8 89.9
7	112.3	LEVERED	PLASTIC	SOFT	24.0 30.0	103.0 92.4
8	107.3	LEVERED	PLASTIC	PLASTIC	23.6	101.7
9	103.3	LEVERED	PLASTIC	PLASTIC	23.8	102.3
10	97.3	LEVERED	PLASTIC	PLASTIC TO FIRM	22.9 22.3	102.3 103.0
	92.8	FAILED				NO SAMPLE
	87.3	PUSHED AND LEVERED		SOFT TO PLASTIC	37.2	83.0
	83.8	10-14	6-6			NO SAMPLE
	77.8	17	6			NO SAMPLE
	72.8	14	6			NO SAMPLE



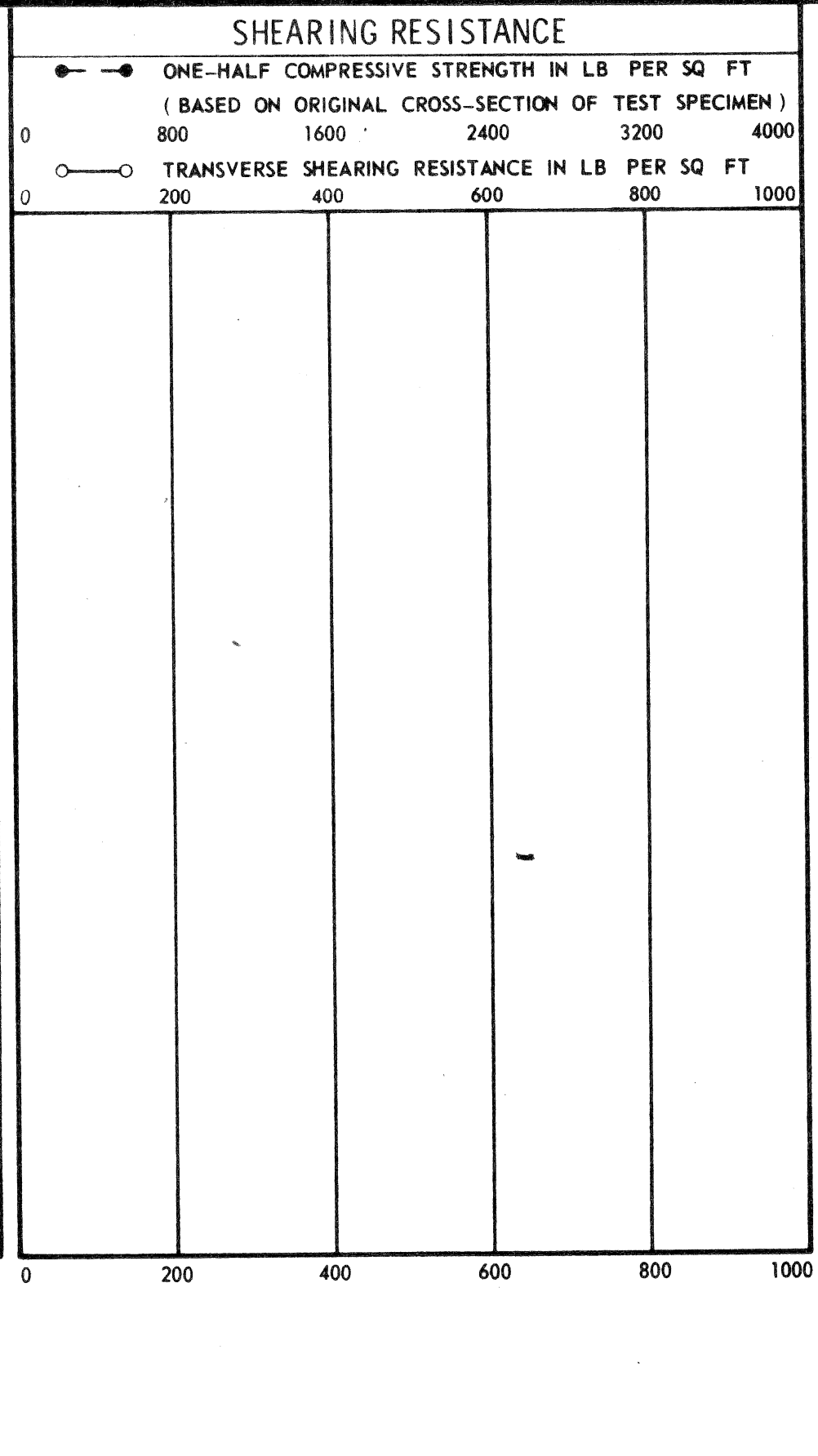
NOTE: 1.375" I.D. x 1.750" O.D. THIN WALL SAMPLER. CASING LEFT IN HOLE TO ALLOW GAS TO DISSIPATE. VERY SLIGHT GAS FLOW WAS NOTICED WHEN RETRIEVING CASING AT 83 FT. THERE WAS JUST ENOUGH FLOW TO CAUSE SLIGHT NOISE AS THE GAS BUBBLED THROUGH THE WATER IN CASING.

TEST HOLE NO. J-233

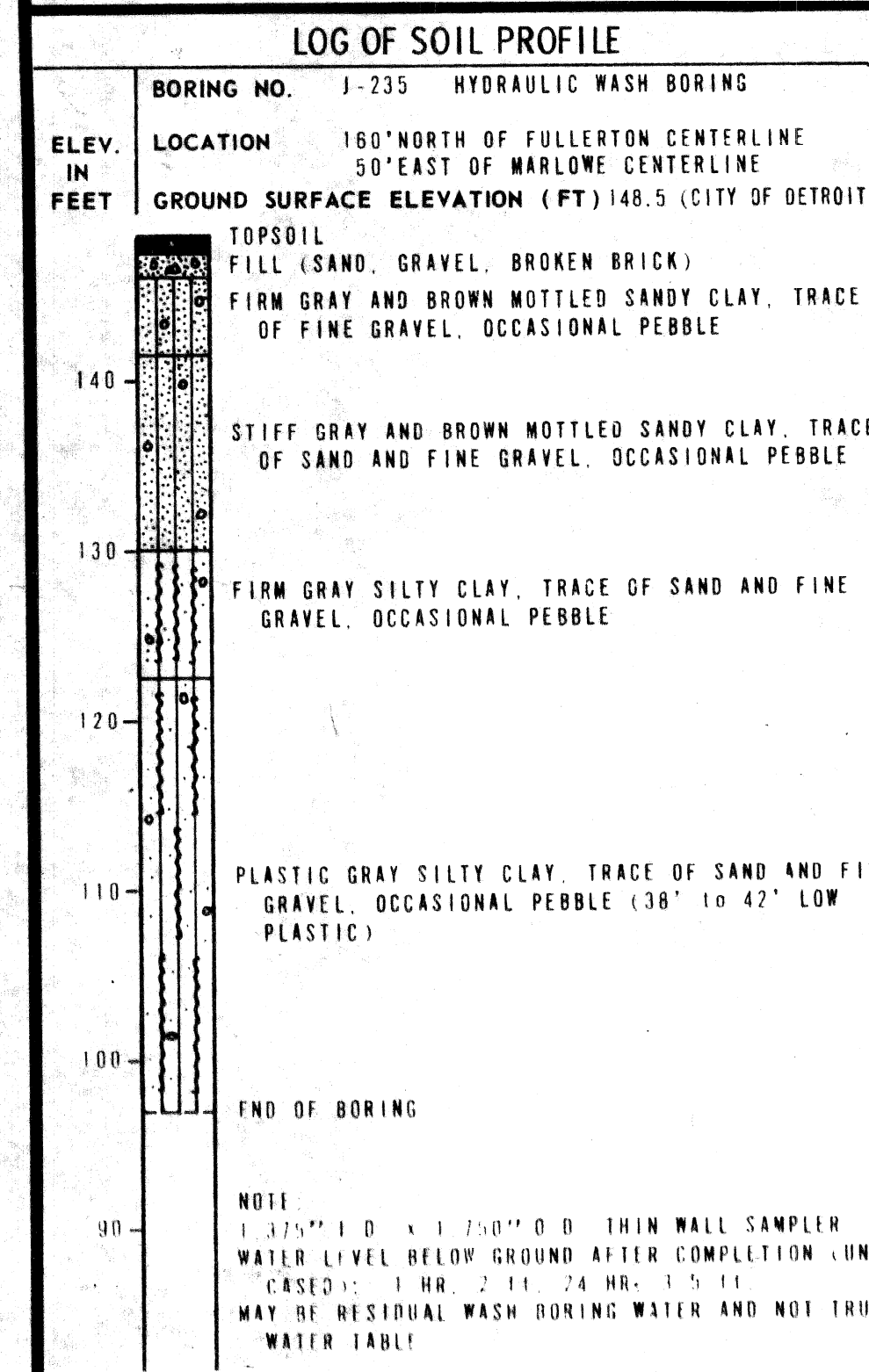


SOIL SAMPLE

SA. NO.	ELEV. IN FEET	PENETRATION		CONSISTENCY	MOISTURE PER CENT DRY WT.	DRY WT. LB PER CU FT
		NO. OF BLOWS	DRIVE IN INCHES			
	144.4	8-12	6-6			
	139.4	9-12	6-6			
	134.4	6-8	6-6			
	129.4	4-4	6-6			
	125.4	3-4	6-6			
	119.4	3-4	6-6			
	114.4	3-3	6-6			
	109.4	2-3	6-6			
	105.4	2-2	6-6			
	99.4	2-3	6-6			

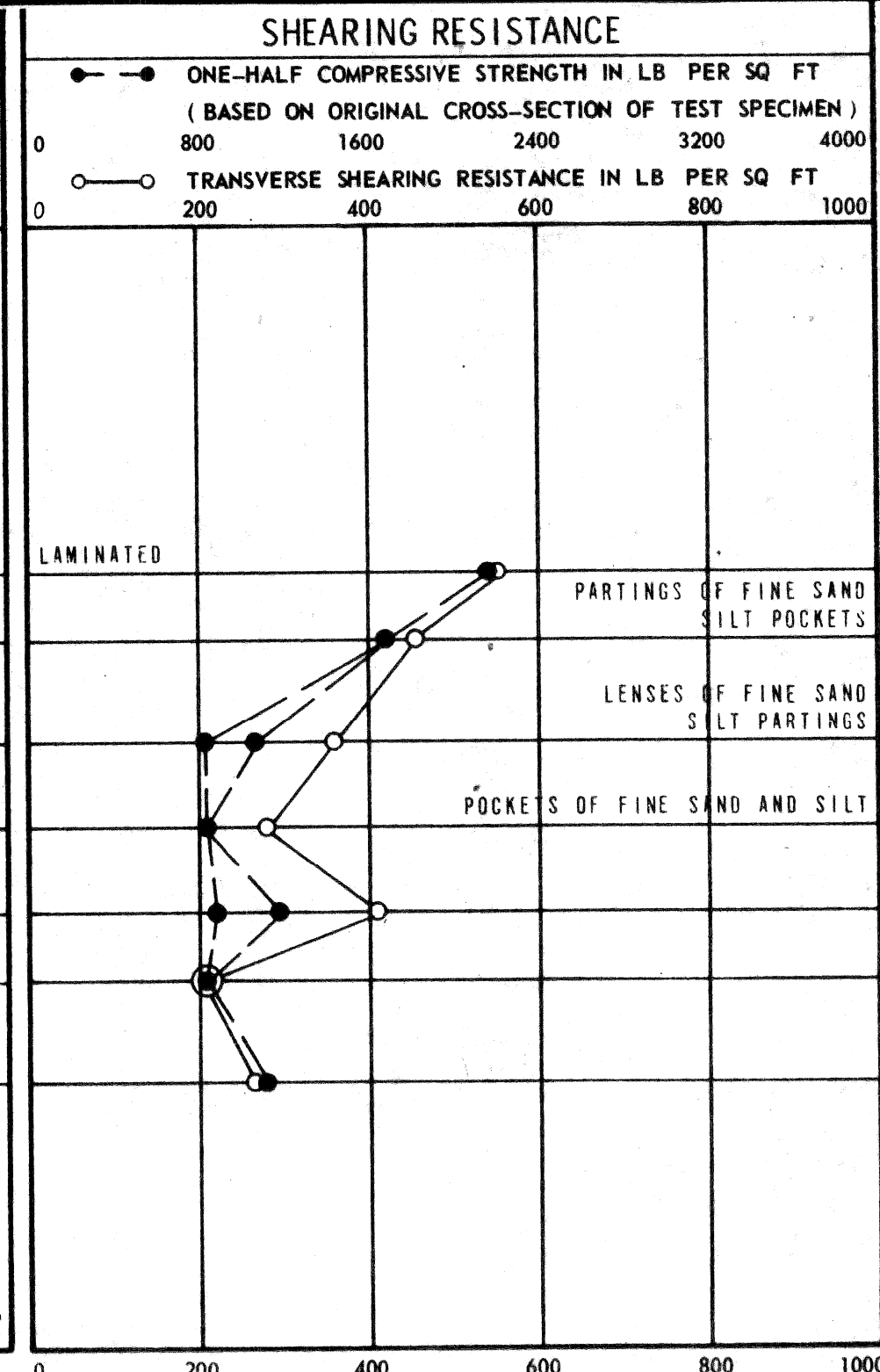


TEST HOLE NO. J-234



SOIL SAMPLE

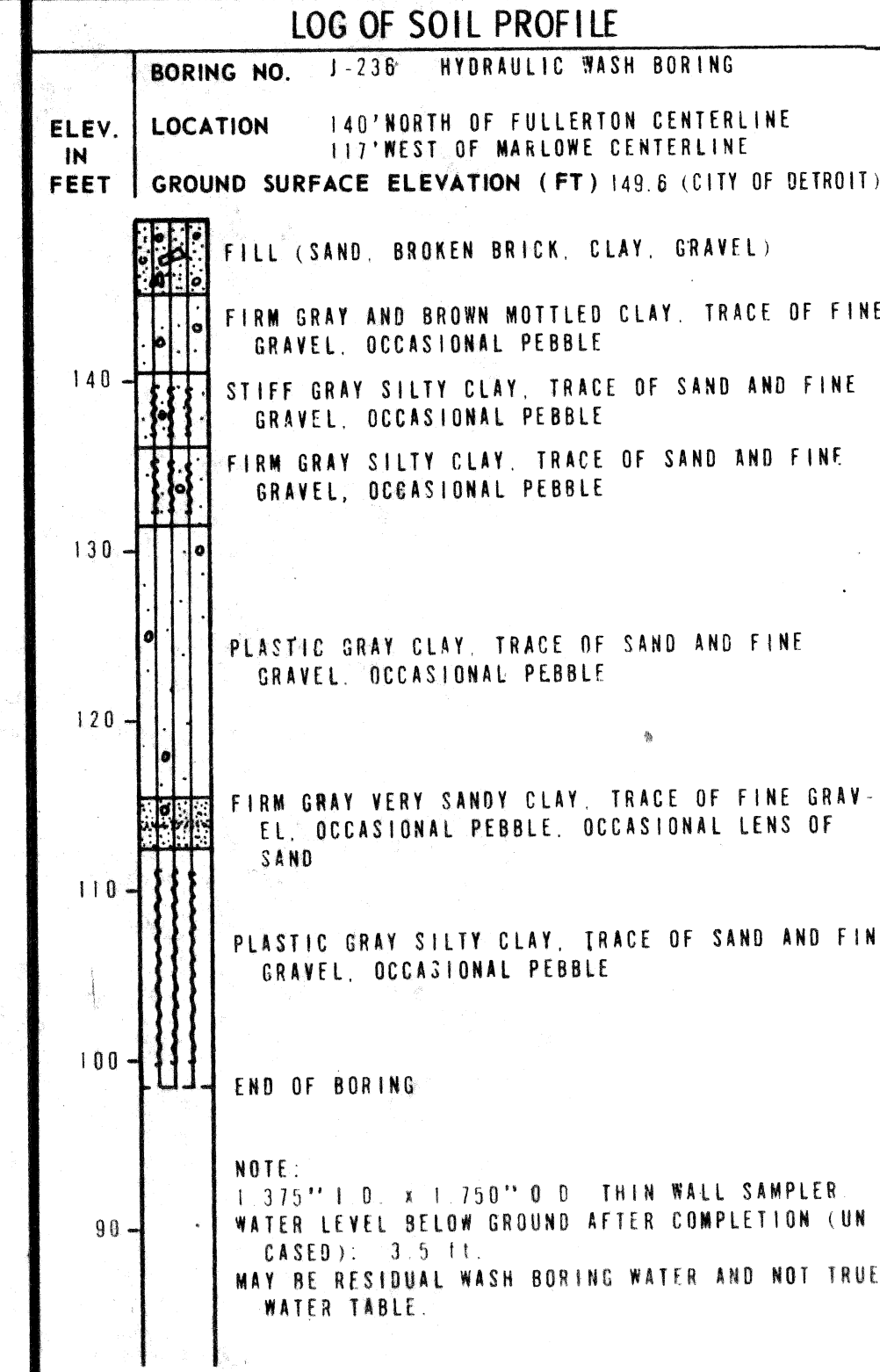
SA. NO.	ELEV. IN FEET	PENETRATION		CONSISTENCY	MOISTURE PER CENT DRY WT.	DRY WT. LB PER CU FT
		NO. OF BLOWS	DRIVE IN INCHES			
	143.5	5-6	6-6			NO SAMPLE
	138.5	9-11	6-6			NO SAMPLE
	133.5	5-6	6-6			NO SAMPLE
1	128.0	LEVERED	FIRM	FIRM	19.2	109.8
2	124.0	LEVERED	FIRM	PLASTIC	20.3	106.7
3	118.0	LEVERED	PLASTIC	SOFT TO PLASTIC	26.4	96.7
					19.0	108.6
4	113.0	LEVERED	PLASTIC	SOFT TO PLASTIC	17.8 21.2	111.7 106.7
5	108.0	LEVERED	PLASTIC	SOFT TO PLASTIC	17.3 23.2	103.6
6	104.0	LEVERED	PLASTIC	SOFT	21.3	106.1
7	98.0	LEVERED	PLASTIC	PLASTIC	24.0	99.8



PENETRATION NOTE: NUMBER OF BLOWS REQUIRED TO DRIVE SAMPLER DISTANCE GIVEN USING 140-LB WEIGHT FALLING 30 IN.

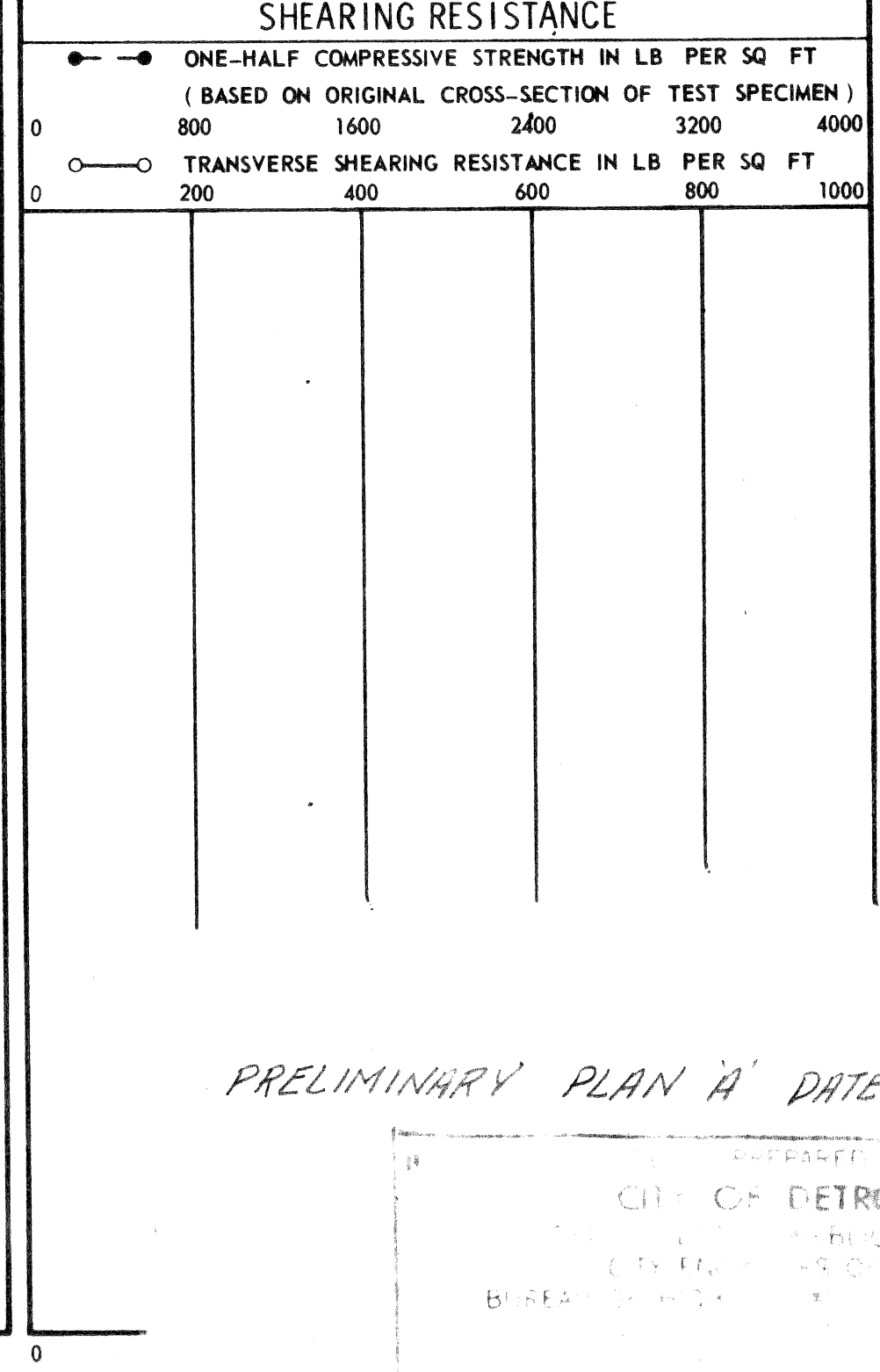
GENERAL NOTE: FIELD CONSISTENCY DETERMINED BY INSPECTION OF SAMPLES AND SUBSTANTIATED BY RESISTANCE TO PIPE CASING AND JET ROD. BELOW DEPTH OF SAMPLING, CONSISTENCY DETERMINED BY SOIL RESISTANCE TO JET ROD.

TEST HOLE NO. J-235



SOIL SAMPLE

SA. NO.	ELEV. IN FEET	PENETRATION		CONSISTENCY	MOISTURE PER CENT DRY WT.	DRY WT. LB PER CU FT
		NO. OF BLOWS	DRIVE IN INCHES			
	144.6	4-6	6-6			
	139.5	10-12	6-6			
	134.5	4-6	6-6			
	129.6	3-5	6-6			
	125.6	3-3	6-6			
	119.5	2-2	6-6			
	114.6	6-8	6-6			
	109.6	3-3	6-6			
	105.6	3-3	6-6			
	99.6	2-3	6-6			



PENETRATION NOTE: NUMBER OF BLOWS REQUIRED TO DRIVE SAMPLER DISTANCE GIVEN USING 140-LB WEIGHT FALLING 30 IN.

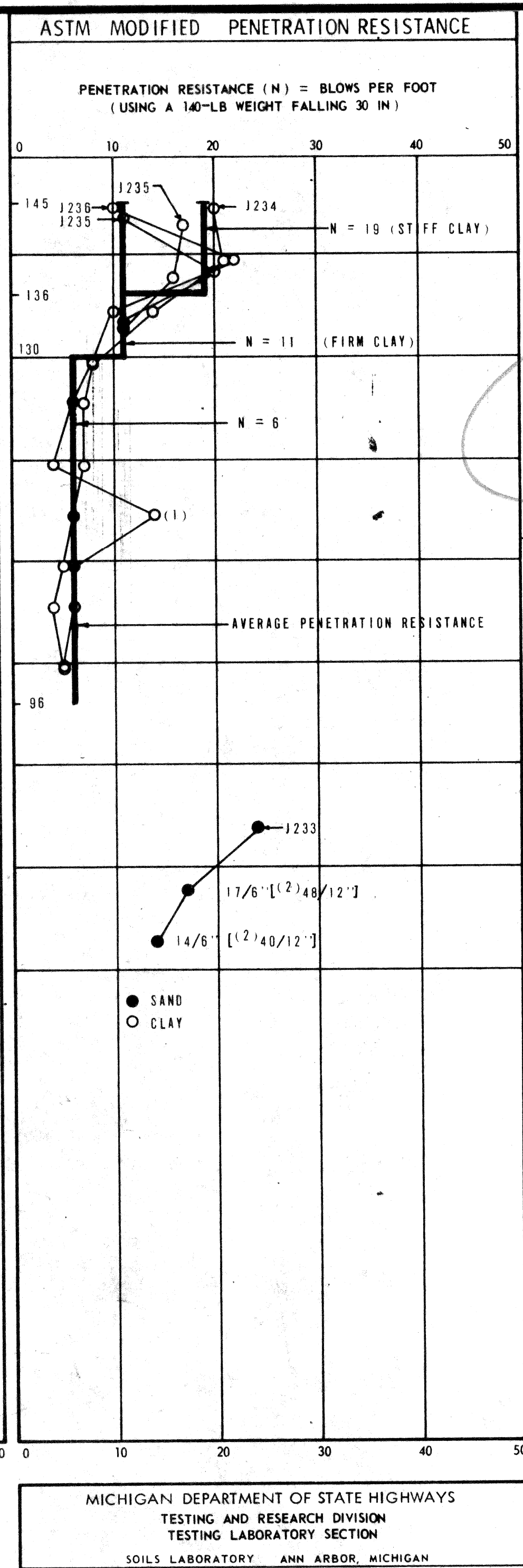
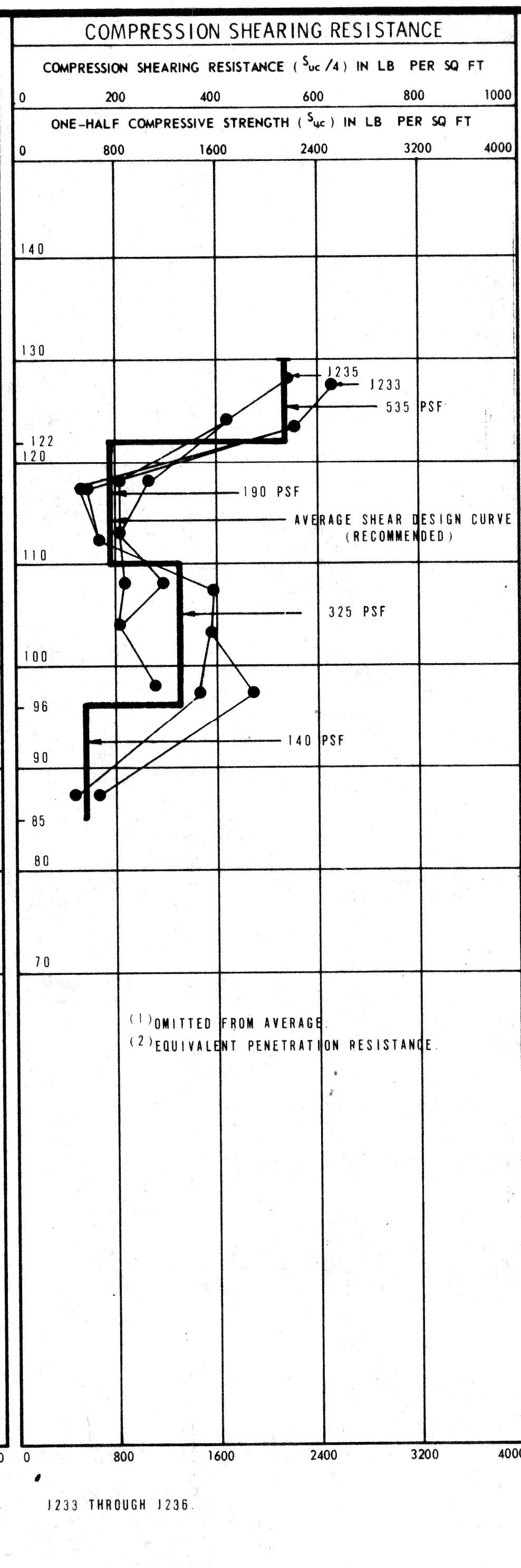
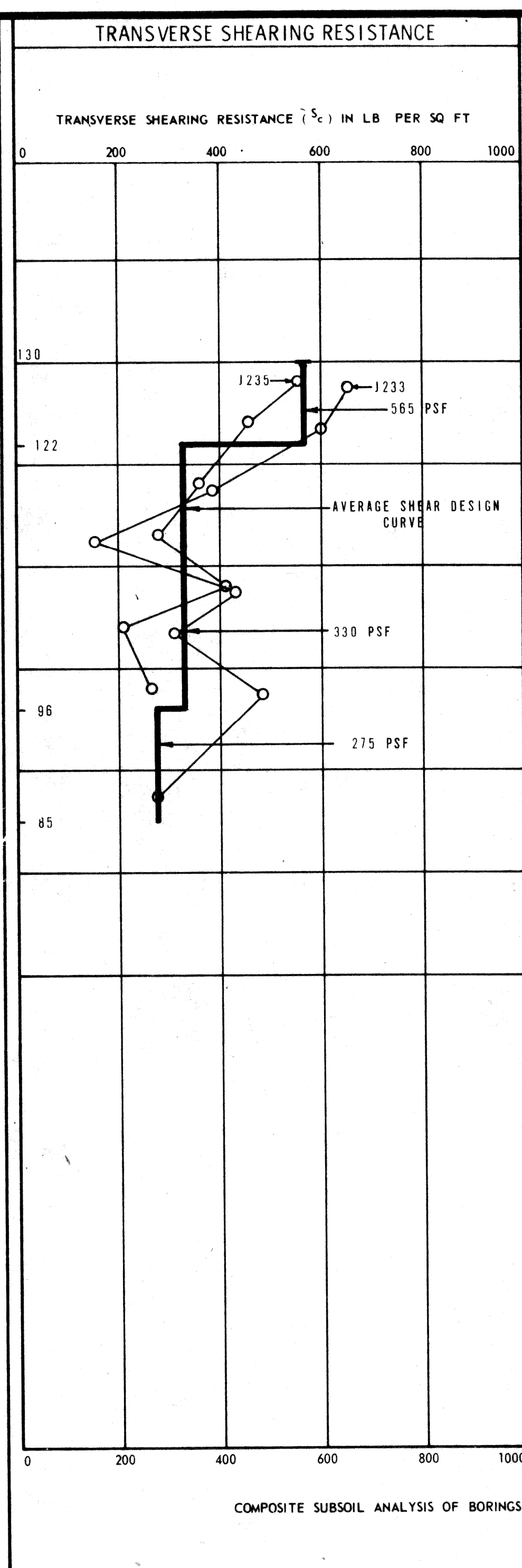
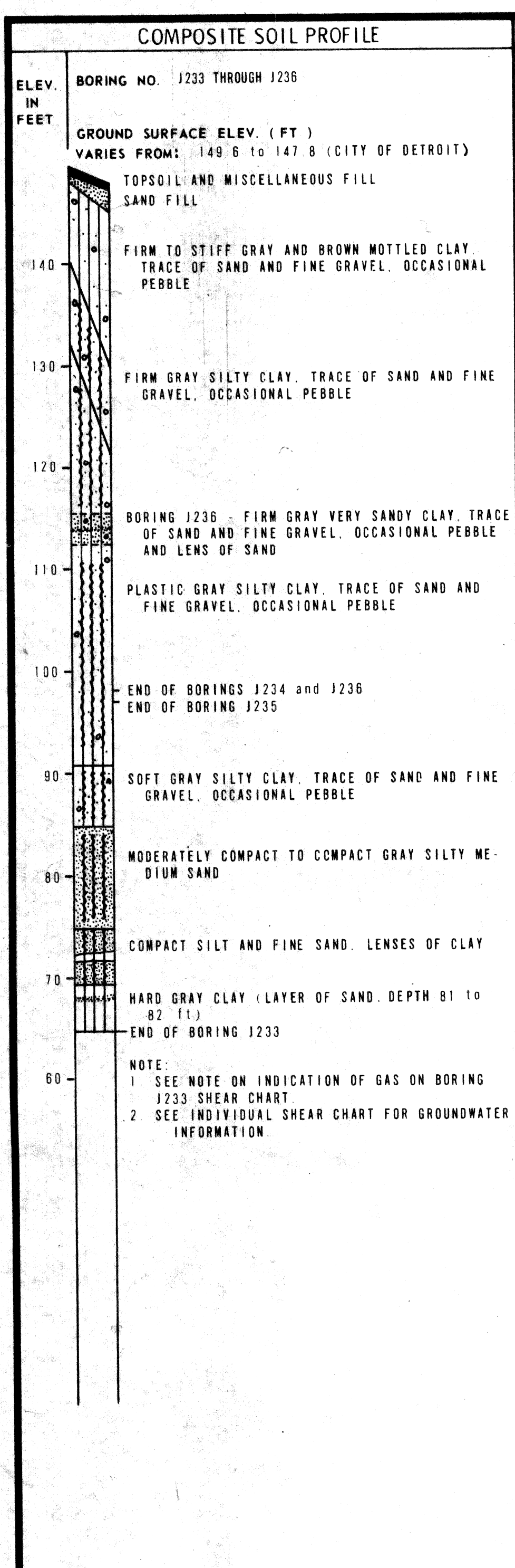
GENERAL NOTE: FIELD CONSISTENCY DETERMINED BY INSPECTION OF SAMPLES AND SUBSTANTIATED BY RESISTANCE TO PIPE CASING AND JET ROD. BELOW DEPTH OF SAMPLING, CONSISTENCY DETERMINED BY SOIL RESISTANCE TO JET ROD.

TEST HOLE NO. J-236

PRELIMINARY PLAN A DATE 9-15-69

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
BUREAU OF STREETS AND ALLEYS
STREETS AND ALLEYS DIVISION
JOB NO.

MICHIGAN DEPARTMENT OF STATE HIGHWAYS
TESTING AND RESEARCH DIVISION
TESTING LABORATORY SECTION
SOILS LABORATORY ANN ARBOR, MICHIGAN
SOIL MECHANICS ANALYSIS
PROFILE NO. 871236
PROPOSED FULLERTON CROSSOVER CROSSING I-96 (JEFFRIES FREEWAY) DETROIT, MICHIGAN



Bott. of fig. elevs vary from 121.5 to 123.0

112 MINIMUM PILE TIP PENETRATION

87 ESTIMATED PILE TIP BEARING

COMPOSITE SUBSOIL ANALYSIS OF BORINGS J233 THROUGH J236

MICHIGAN DEPARTMENT OF STATE HIGHWAYS
 TESTING AND RESEARCH DIVISION
 TESTING LABORATORY SECTION
 SOILS LABORATORY ANN ARBOR, MICHIGAN

SOIL MECHANICS ANALYSIS

PROJECT S13 OF 82123D
 PROPOSED FULLERTON CROSSOVER CROSSING I-96
 (JEFFRIES FREEWAY), DETROIT, MICHIGAN

PREPARED BY: *James J. Brooks* DATE: 6-30-69
 CHECKED BY: *Paul W. Martelle* DATE: 6-30-69

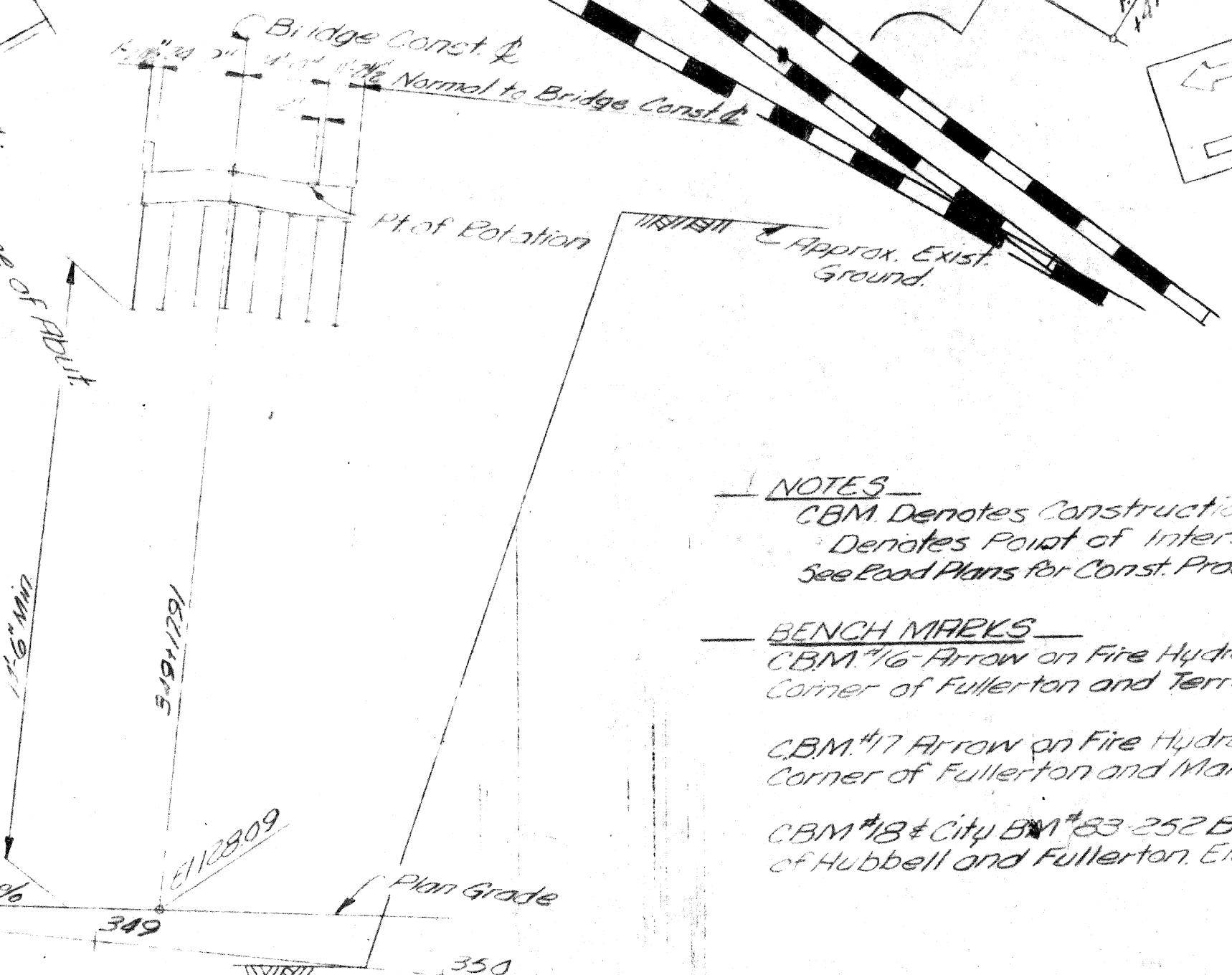
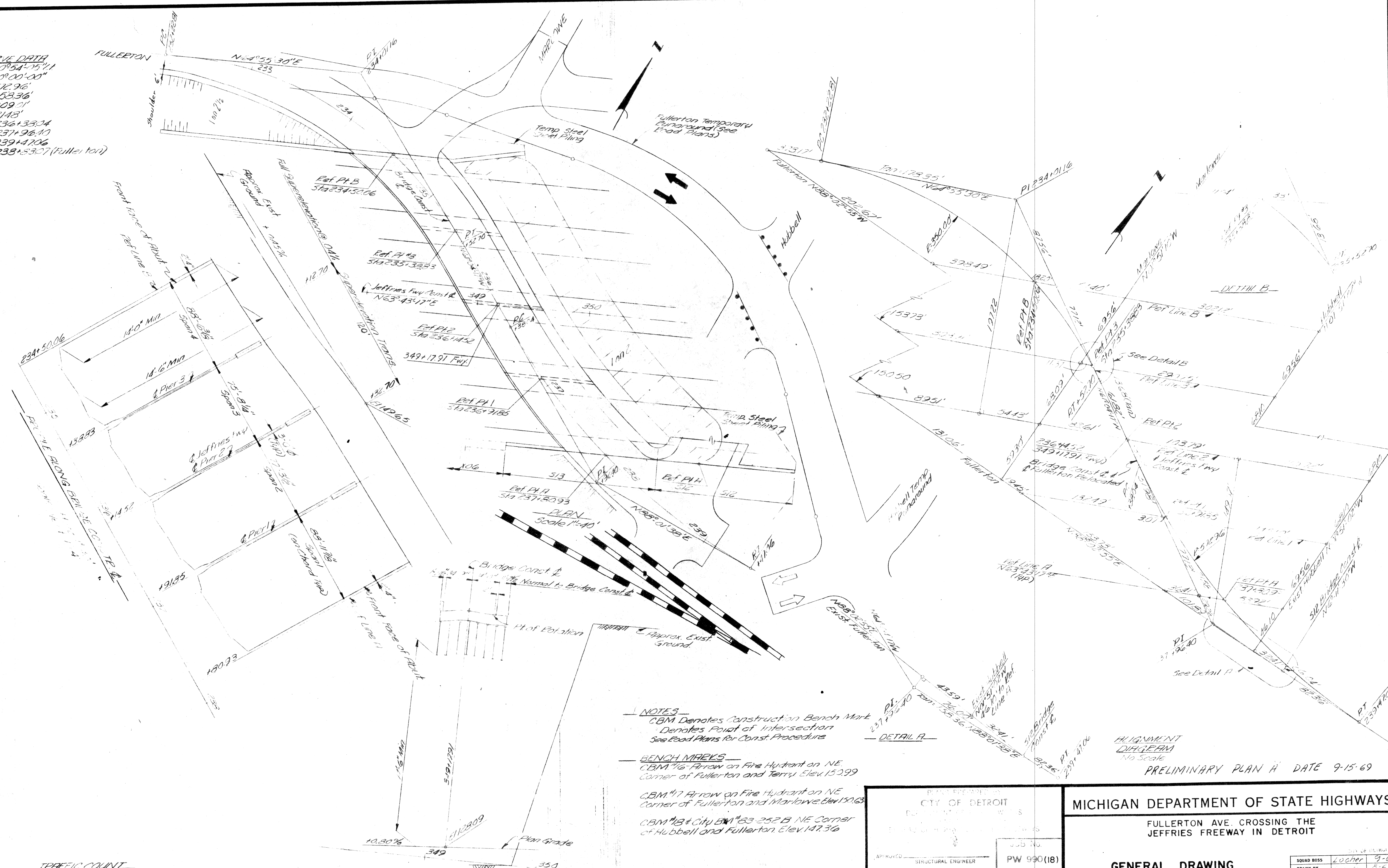
THE ABOVE COMPOSITE SOIL PROFILE IS INTENDED ONLY TO PRESENT AVERAGE CONDITIONS THROUGHOUT THE GROUP OF BORINGS REPRESENTED. SEE INDIVIDUAL BORING CHARTS FOR DETAILS.

PRELIMINARY PLAN A DATE 9-15-69

APPROVED: _____
 STRUCTURAL ENGINEER

COMPOSITE SUBSOIL ANALYSIS OF BORINGS J-233, J-234, J-235 & J-236 DETROIT, MICHIGAN

FULLERTON AVE CURVE DATA
 $\Delta = 54^{\circ}00'13.24''$ $D = 30^{\circ}54'45.11''$
 $D = 16^{\circ}22'13''$ $D = 10^{\circ}00'00''$
 $E = 350.00'$ $R = 572.96'$
 $T = 175.55'$ $T = 153.36'$
 $L = 329.59'$ $L = 309.01'$
 $E = 12.82'$ $E = 21.48'$
 $PC = 232122.81$ $PC = 2346139.04$
 $PI = 2341011.6$ $PI = 237196.10$
 $PT = 235152.70$ $PT = 239172.6$
 $= 238153.27$ (Fullerton)



NOTES
 CBM Denotes Construction Bench Mark
 Denotes Point of Intersection
 See Road Plans for Const. Procedure

BENCH MARKS
 CBM #16 Arrow on Fire Hydrant on NE Corner of Fullerton and Terry. Elev 152.99
 CBM #17 Arrow on Fire Hydrant on NE Corner of Fullerton and Marlowe. Elev 150.63
 CBM #18 City BM #83 252 B NE Corner of Hubbell and Fullerton. Elev 147.36

DETAIL A

ALIGNMENT DIAGRAM
 No Scale
 PRELIMINARY PLAN A DATE 9-15-69

TRAFFIC COUNT

PROFILE ALONG FREEWAY CONST. &
 HORIZ. SCALE 1"=40'
 VERT. SCALE 1"=4'

APPROVED		STRUCTURAL ENGINEER	PW 990(18)
REVISIONS			
NO.	DESCRIPTION	DATE	BY

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

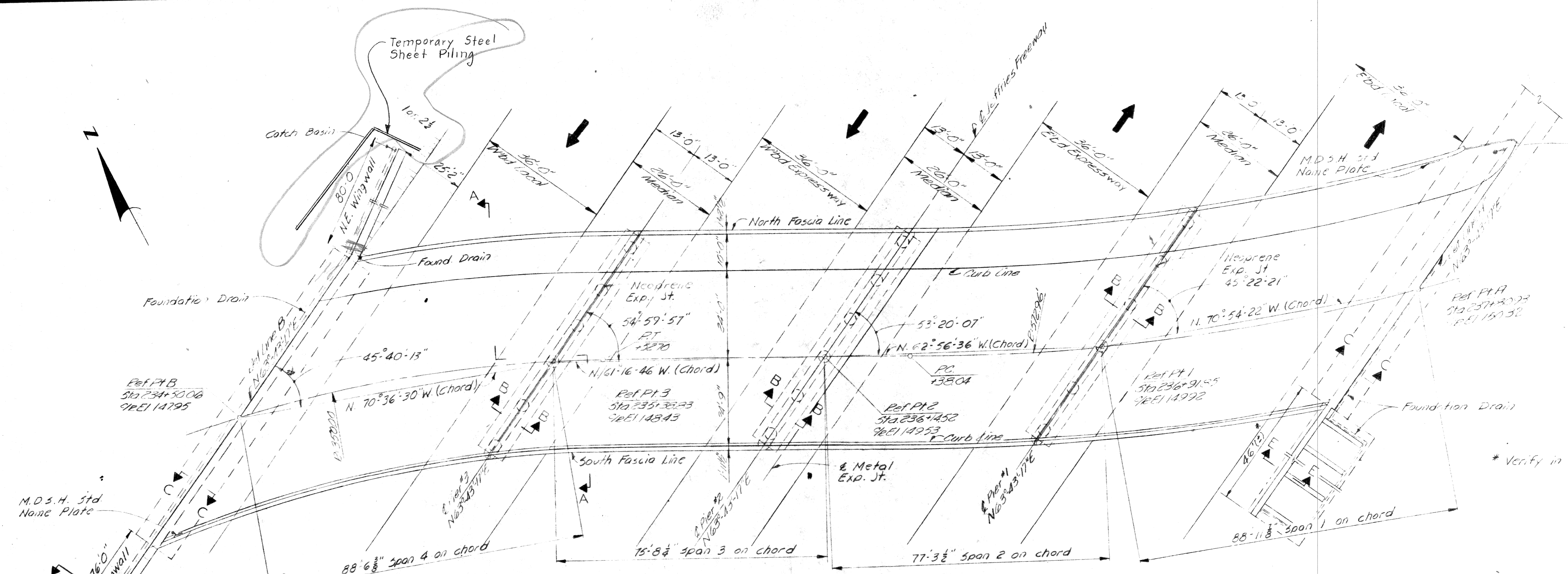
FULLERTON AVE. CROSSING THE JEFFRIES FREEWAY IN DETROIT

GENERAL DRAWING

APPROVED *R. J. ...* 10-8-69 SUPERVISOR & DESIGN
 APPROVED *F. J. ...* 10-8-69 ENGINEER

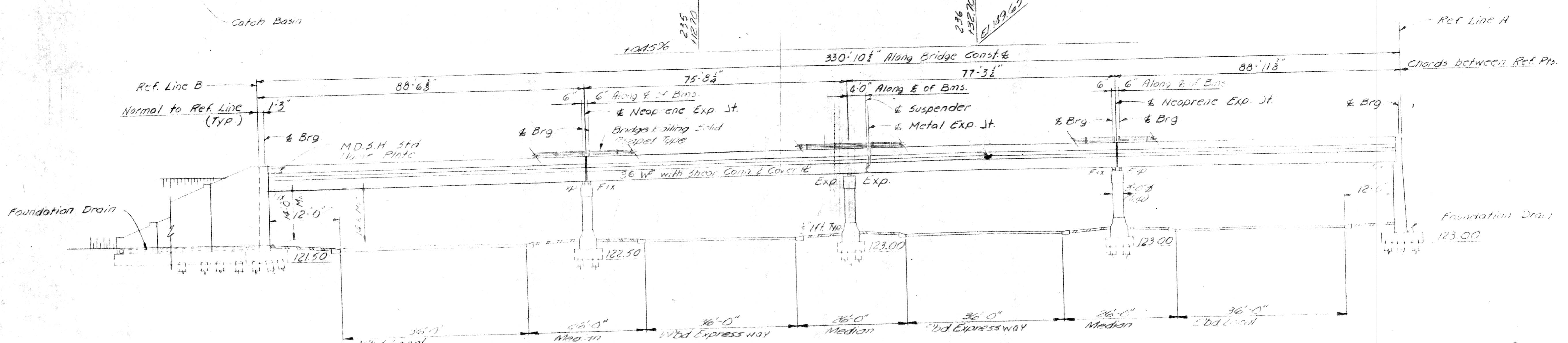
SQUAD BOSS	Locher	9-69
DRAWN BY		8-69
CHECKED BY	WAL	9-69
SHEET 4 OF 7		

S13 of 82123D



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

Full Super-elevation @ 0.41% 120' Super-elevation Transition



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

Bench Mark Brass Plug furnished by W.C.R.C. and installed by contractor (incidental to project)

* Verify in Field

PRELIMINARY PLAN A DATE 9-15-69

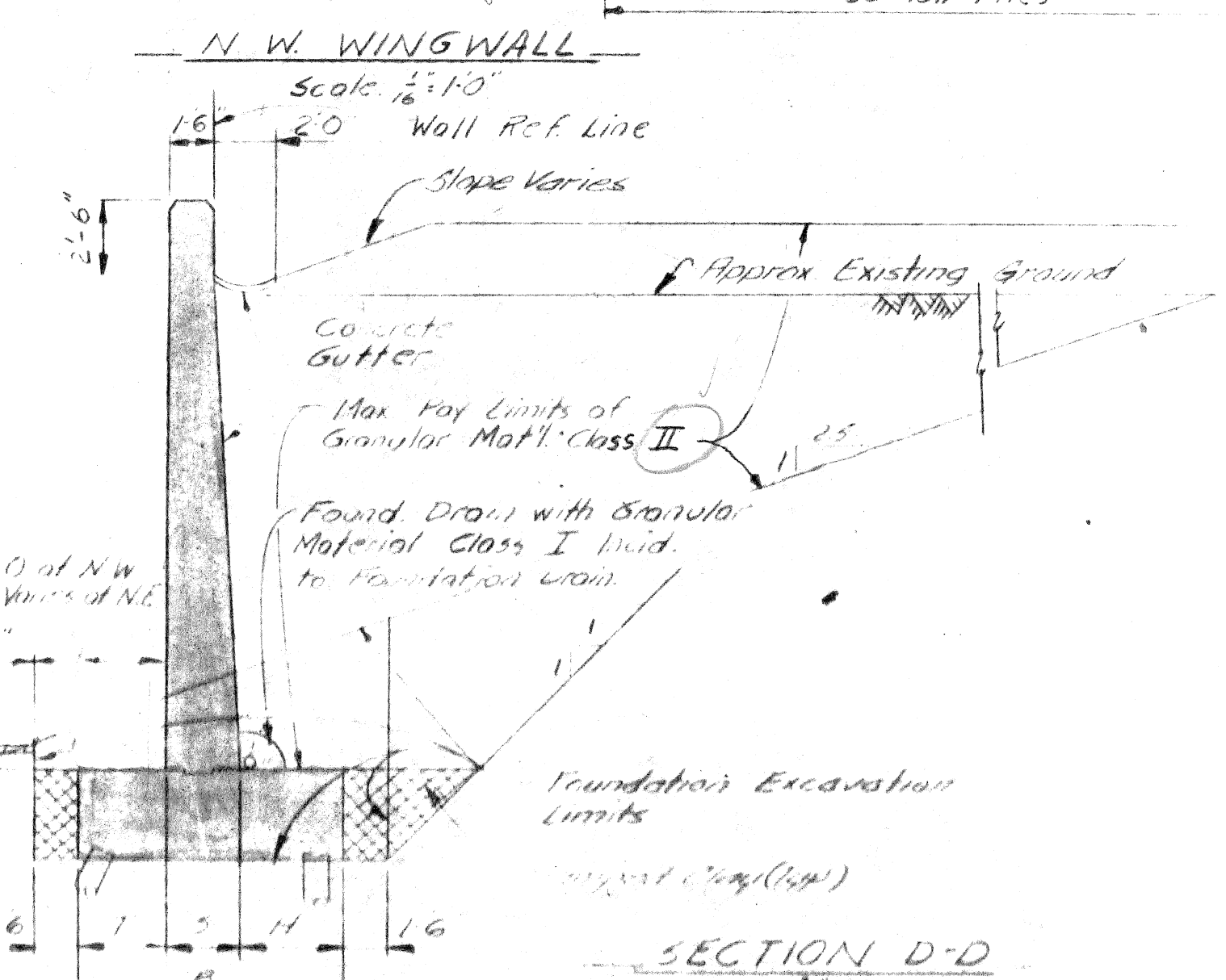
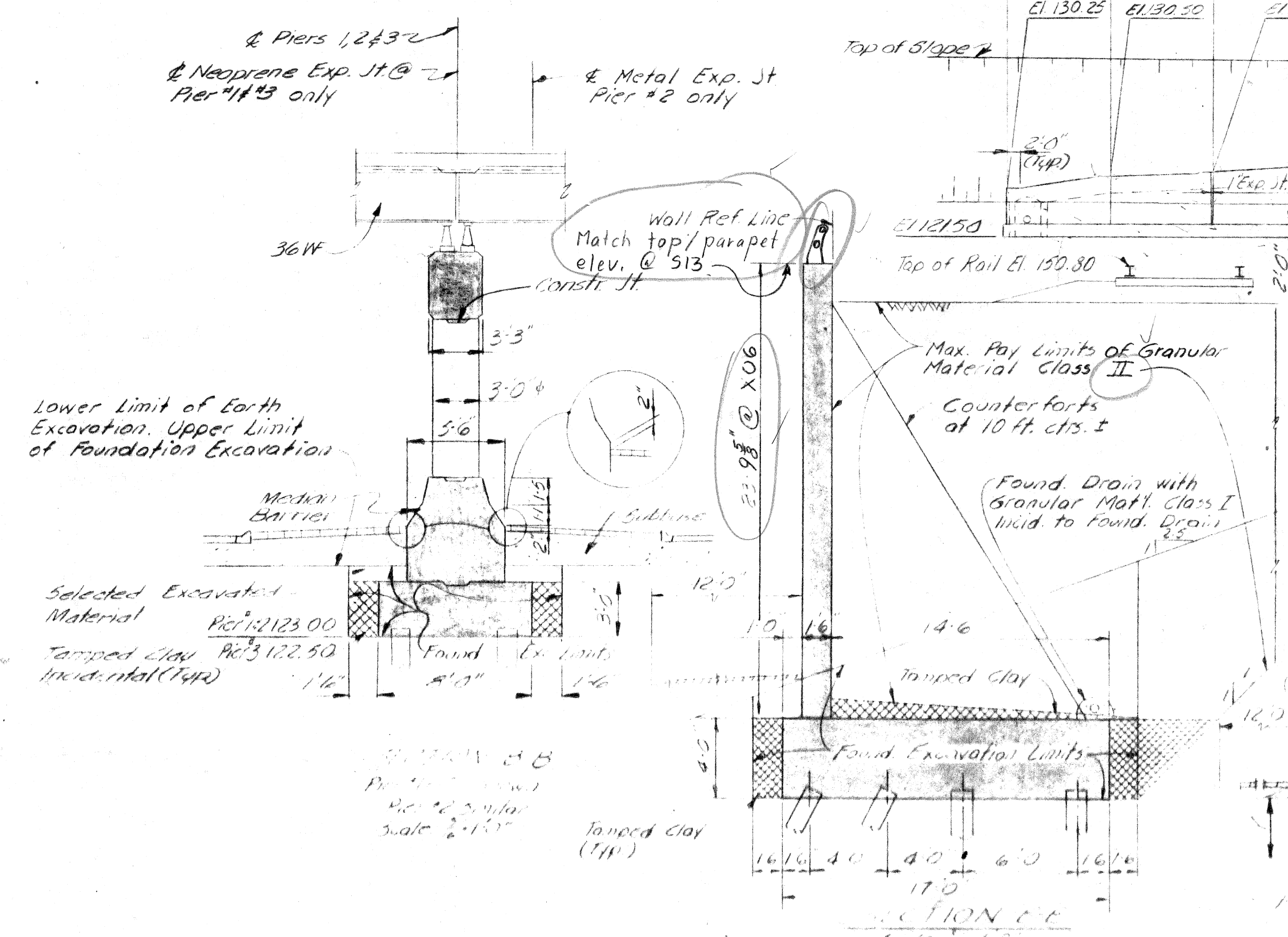
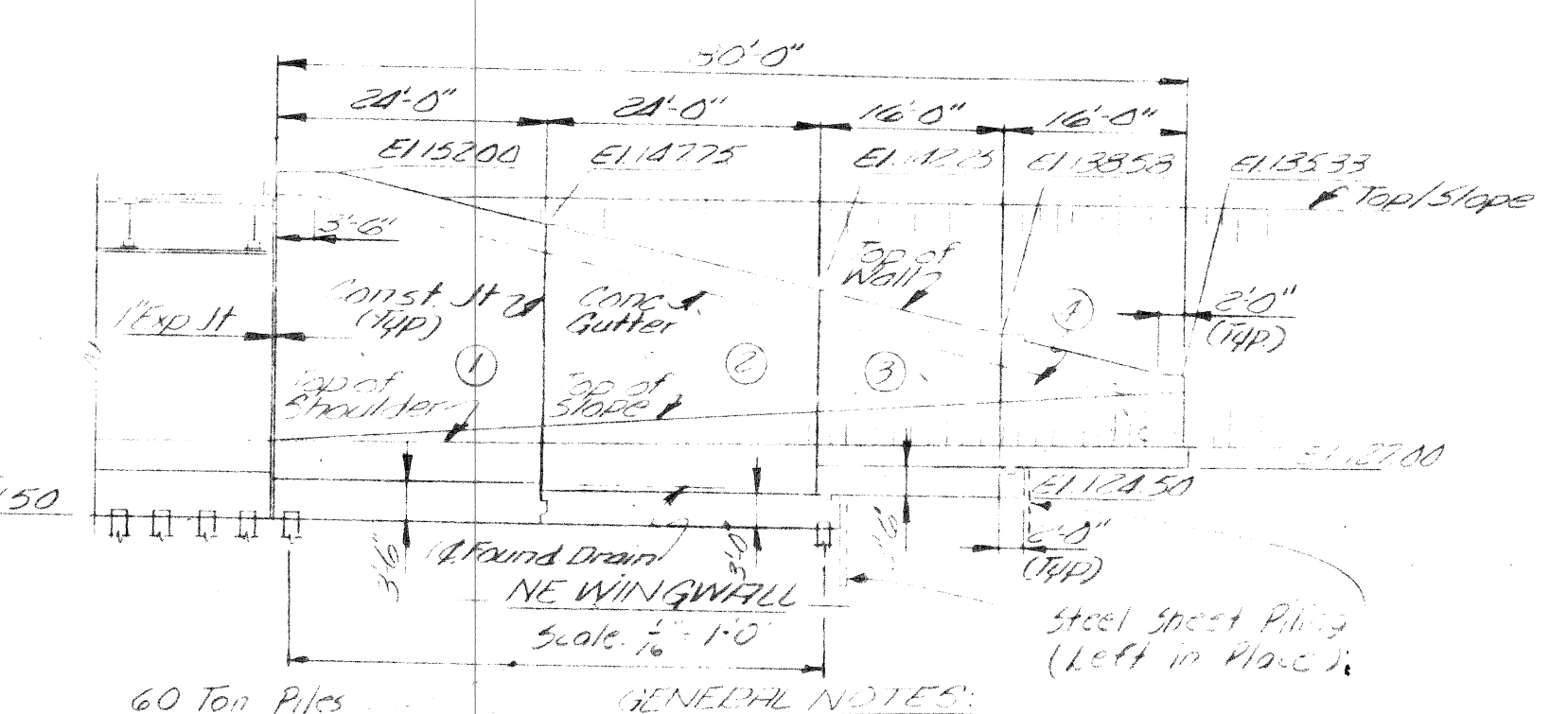
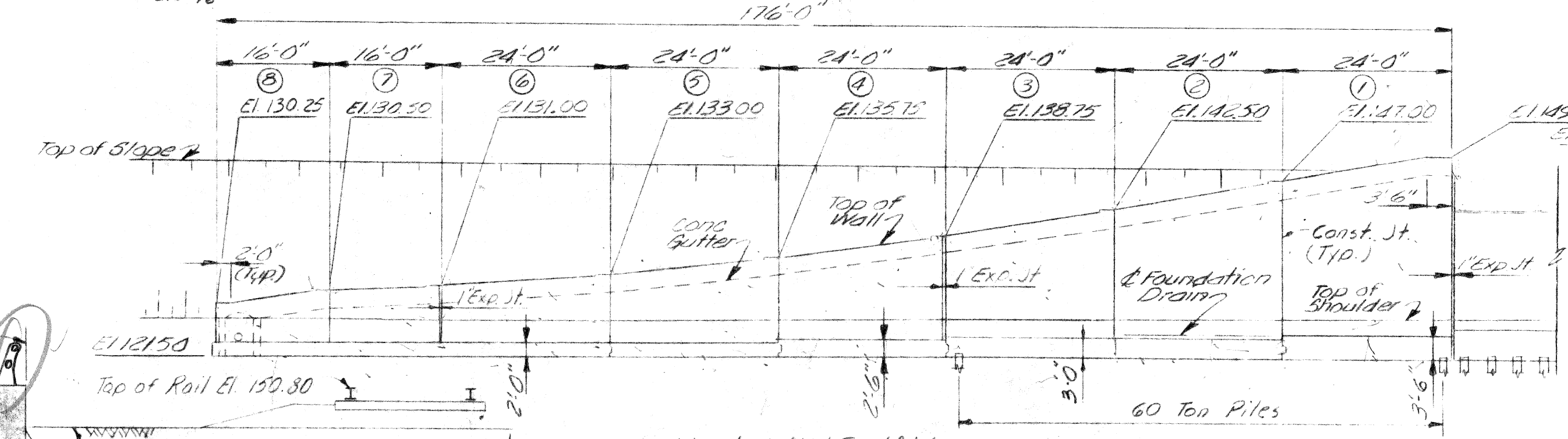
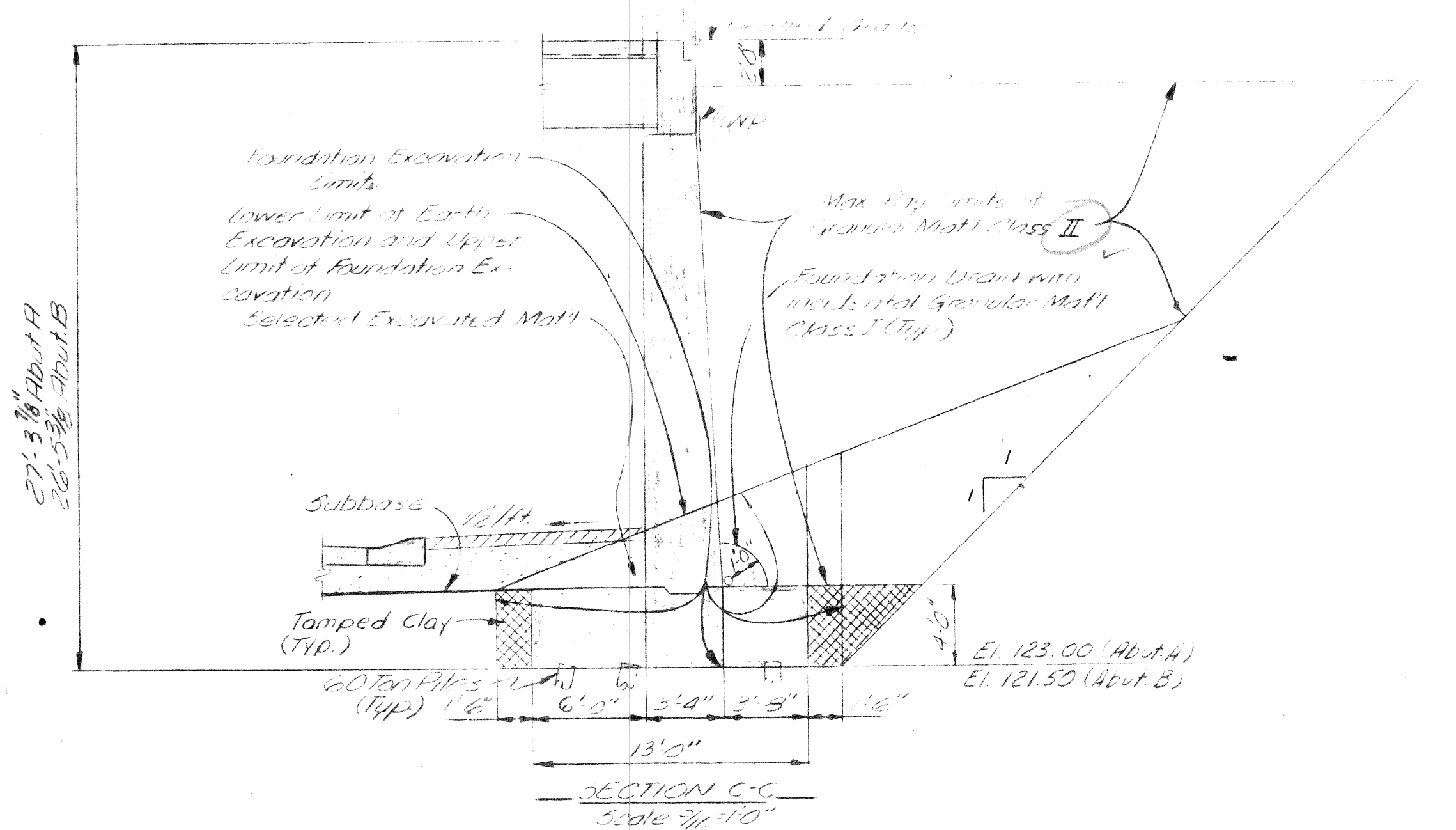
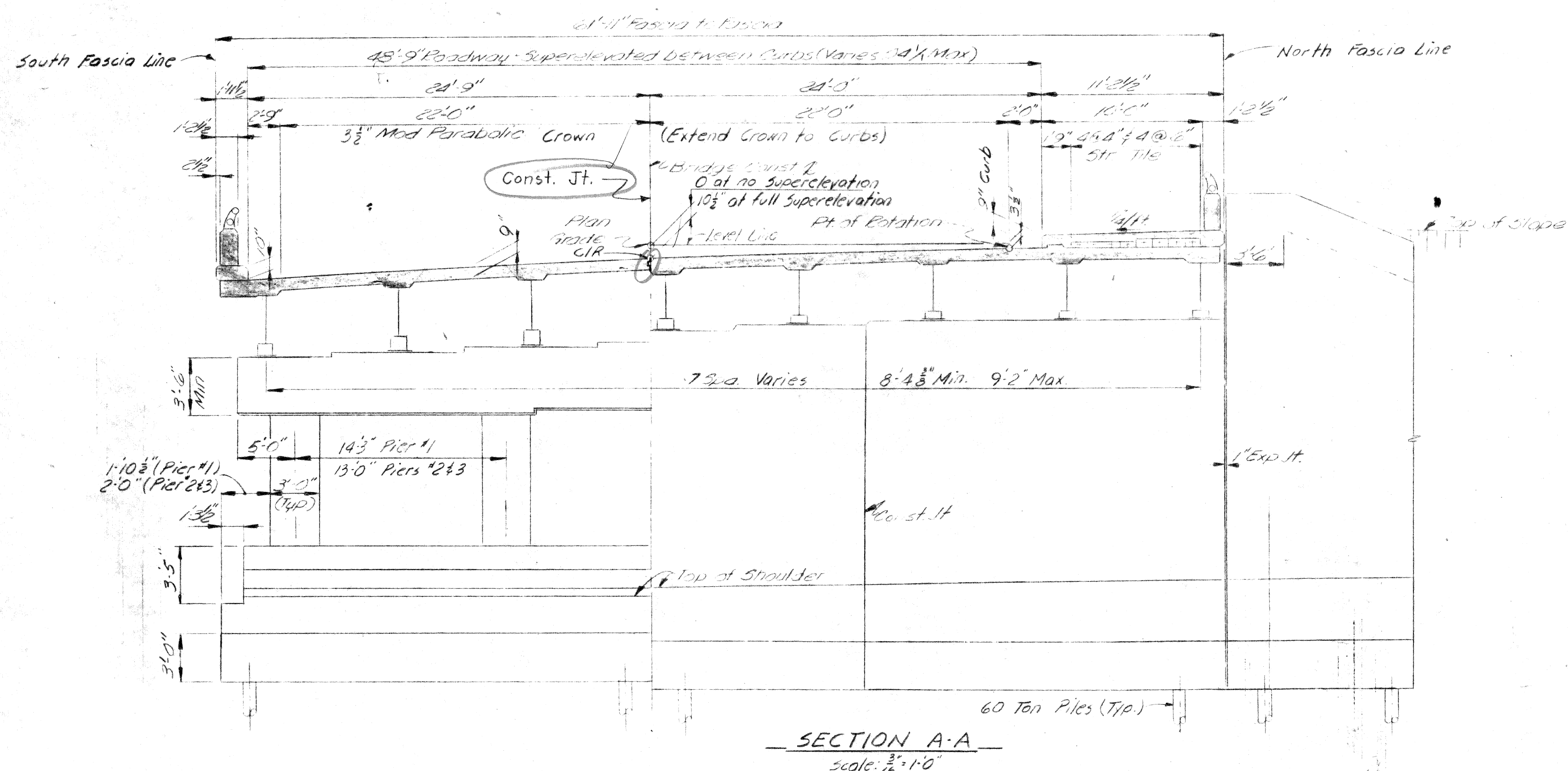
PLANS PREPARED BY CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEER'S OFFICE BUREAU OF HIGHWAYS AND EXPRESSWAYS			
APPROVED STRUCTURAL ENGINEER	JOB NO. PW 990 (18)		
REVISIONS			
NO.	DESCRIPTION	DATE	BY

MICHIGAN DEPARTMENT OF STATE HIGHWAYS
FULLERTON AVE. CROSSING THE
JEFFRIES FREEWAY IN DETROIT
GENERAL PLAN OF STRUCTURE

APPROVED *Ray Montgomery* 10-8-69
APPROVED *L. J. Cook* 10-8-69

SQUAD BOSS	10/12/69
DRAWN BY	10/12/69
CHECKED BY	10/12/69
DATE	10/12/69

SHEET 2 OF 7
S13 of 82123D



WINGWALL DIMENSIONS						
Section	T	S	H	B	Y	
1	4'6"	3'6"	5'0"	13'0"	3'6"	
2	3'6"	3'0"	4'6"	11'0"	3'0"	
3	3'0"	2'9"	4'3"	10'0"	3'0"	
4	3'0"	2'6"	4'6"	10'0"	2'6"	
5	2'0"	2'3"	2'9"	7'0"	2'0"	
6/18	2'0"	2'0"	2'0"	6'0"	2'0"	
N.E. WALL	1	4'6"	3'6"	5'0"	13'0"	3'6"
	2	3'6"	3'0"	4'6"	11'0"	3'0"
	3	3'0"	2'6"	4'6"	10'0"	2'6"
	4	2'0"	2'0"	2'0"	6'0"	2'0"

GENERAL NOTES:

The Design of this structure is based on the 1954 specifications for the design of Highway Bridges, 1954 edition and revised 1976, and the 1954 edition of the Michigan Bridge Manual, 1954, and the 1954 edition of the Michigan Bridge Manual, 1954, and the 1954 edition of the Michigan Bridge Manual, 1954.

This structure is to be constructed of reinforced concrete and shall be designed to carry the full design load and to resist the full design wind load.

Structural Steel shall be A.S.T.M. A-588

PRELIMINARY PLAN A DATE 9-15-69

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

FULLERTON AVE CROSSING THE JEFFERSON FREEWAY IN DETROIT

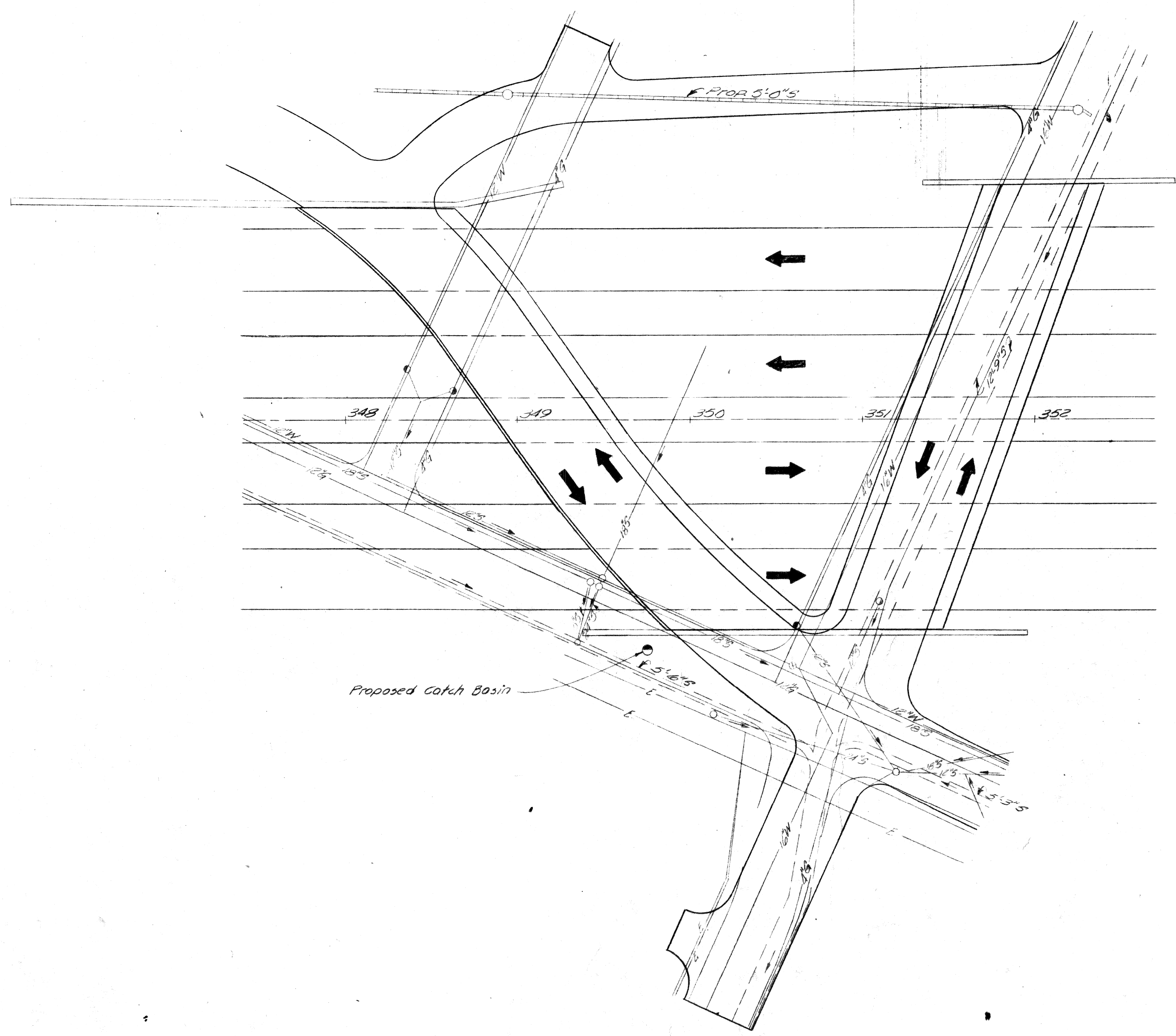
GENERAL PLAN OF STRUCTURE

JOB NO PW 990(1A)

APPROVED: R. Montgomery 10-8-69
J. G. Cook 10-8-69

DATE: 10-8-69

SHEET 13 OF 82123D



LEGEND

UTILITY	Existing	Abandoned or Deleted	New Work by Others
Michigan Consolidated Gas Co.	— G —	— G —	
Water	— W —	— W —	
Sewers	— E —	— S —	— S —
Detroit Edison	— E —	— E —	

The contractor shall locate all active underground utilities prior to starting work, and shall conduct his operations in such a manner as to insure that those utilities not requiring relocation will not be disturbed.

SITUATION PLAN
Scale: 1"=40'

PRELIMINARY PLAN 'A' DATE 9-15-69

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

PLANS PREPARED BY
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING
BUREAU OF HIGHWAYS AND EXPRESSWAYS
APPROVED _____
STRUCTURAL ENGINEER

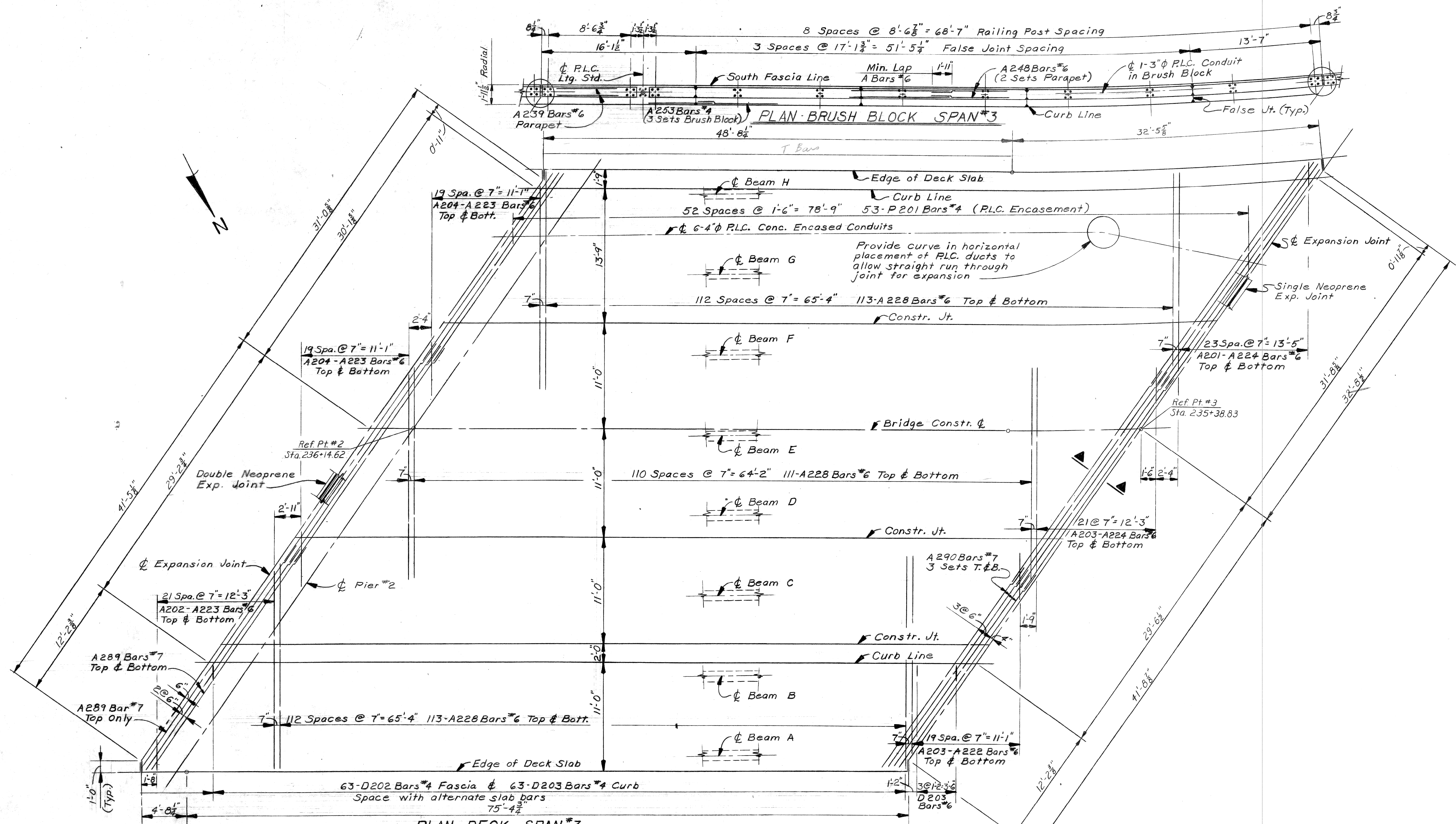
EXISTING UTILITIES AND PROPOSED ALTERATIONS

REVISIONS			
NO.	DESCRIPTION	DATE	BY

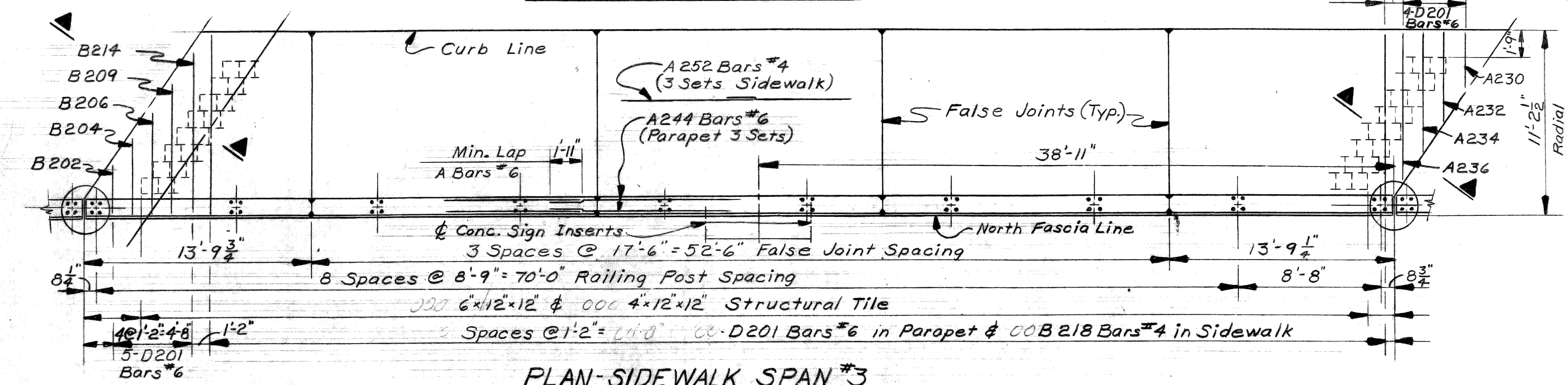
JCB No. PW 99C

SQUAD BOSS	Vocher	9-69
DRAWN BY	Hart	8-69
TRACED BY		
CHECKED BY	S. JES	9-69
SHEET	7	OF 7

S13 of 82123D



PLAN-DECK SPAN #3



PLAN-SIDEWALK SPAN #3

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

SUPERSTRUCTURE DETAILS

CITY OF DETROIT

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

APPROVED _____
STRUCTURAL ENGINEER

JOB No.
PW 990 (18)

REVISIONS			
NO.	DESCRIPTION	DATE	BY

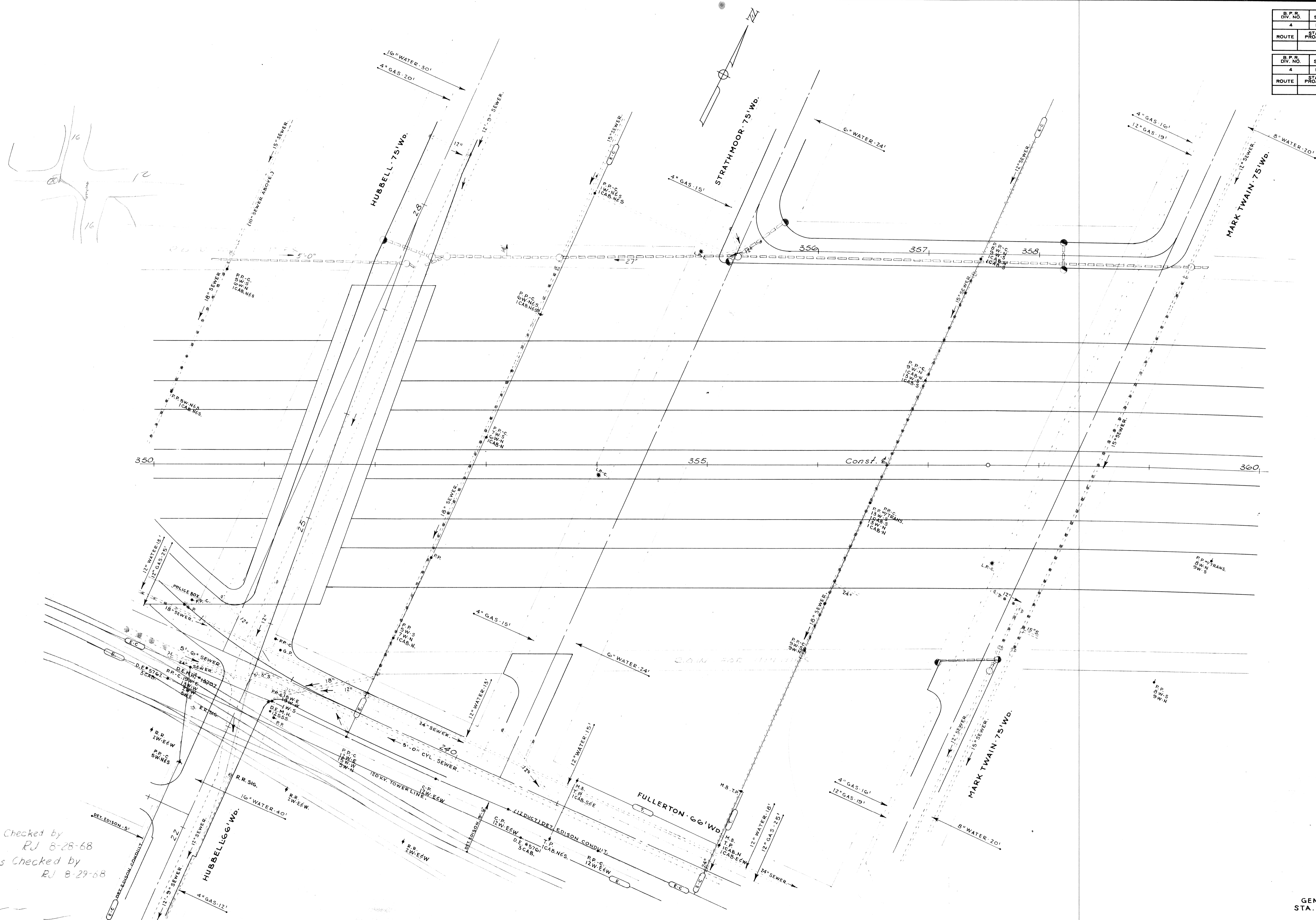
CITY OF DETROIT	
SQUAD BOSS	
DRAWN BY	R. Rasik 06/70
CHECKED BY	
SHEET 25 OF 36	

S13 of 82123D

Road Squad - Roush

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.			30	
ROUTE	PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS



Sewers Checked by RJ 8-28-68
 Utilities Checked by RJ 8-29-68

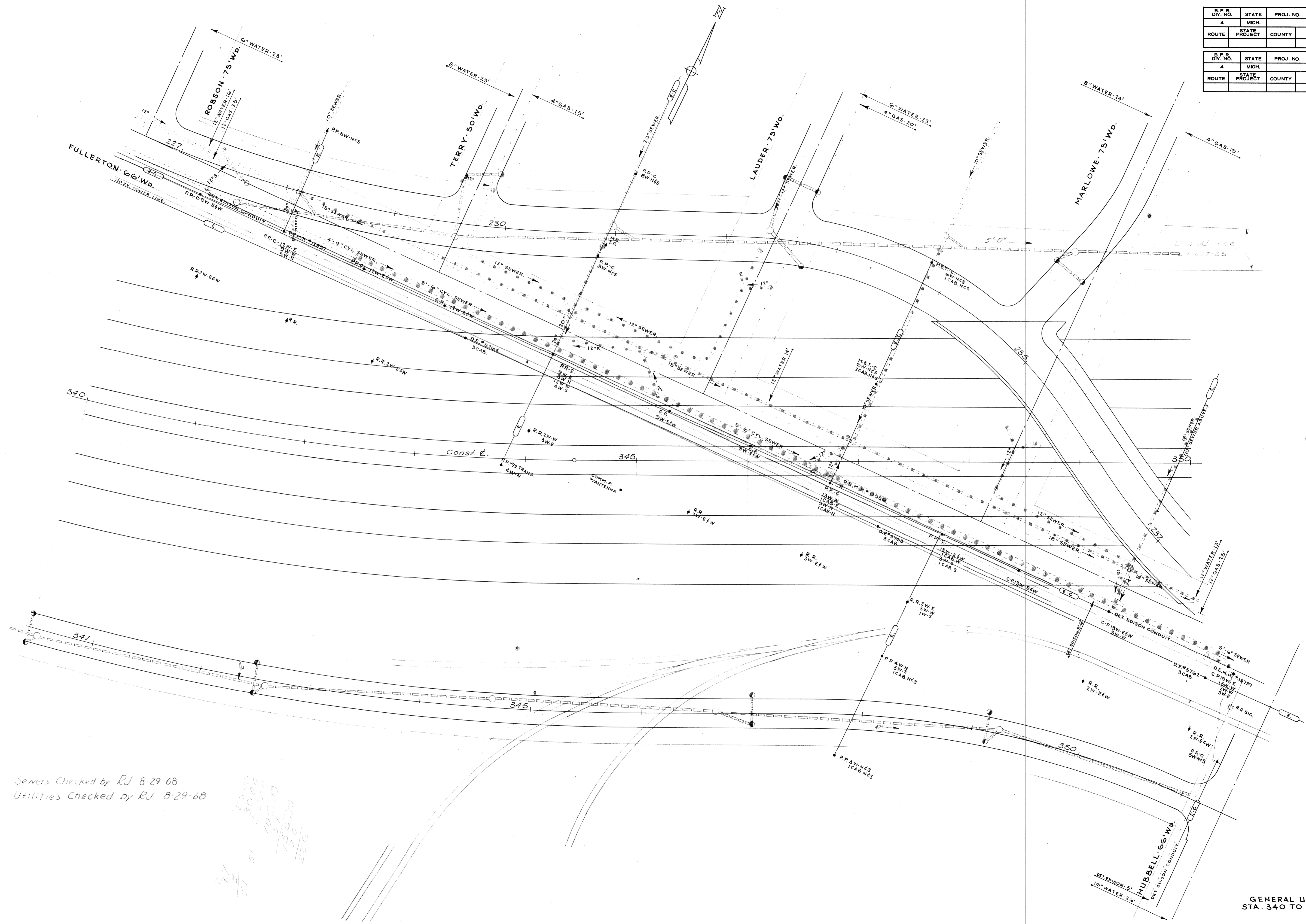
GENERAL UTILITIES
 STA. 350 TO STA. 360

FILE NO. NO. 350 STENCIL	82123 D	STATE PROJECT 32123	FEDERAL PROJECT	SHEET NO. 30
--------------------------------	----------------	------------------------	-----------------	-----------------

B.P. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.			29	TOTAL SHEETS
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

B.P. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				TOTAL SHEETS
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

Road Squad - Roush
SQUAD R.E. RD-58



Sewers Checked by RJ 8-29-68
Utilities Checked by RJ 8-29-68

Handwritten notes and calculations, including a list of numbers: 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350.

GENERAL UTILITIES
STA. 340 TO STA. 350

FILE NO.	82123D	STATE PROJECT	FEDERAL PROJECT	SHEET NO.	29
----------	--------	---------------	-----------------	-----------	----

SQUAD R. E. ROUSH

Const. & Curve Data.
 $\Delta = 25^{\circ} 47' 36''$ Lt.
 $D = 3^{\circ} 00''$
 $R = 1909.86$
 $T = 437.30$
 $L = 859.78$
 $E = 49.42$
 $PC = 335+84.28$
 $PI = 340+21.58$
 $PT = 344+44.06$
 $Super = 0.0411$

Left Edge Fullerton
 Curve Data.
 $\Delta = 23^{\circ} 07' 25''$ Lt.
 $D = 5^{\circ} 39' 02''$
 $R = 1014.00$
 $T = 207.44$
 $L = 409.23$
 $E = 21.01$

Right Edge Fullerton
 Curve Data.
 $\Delta = 23^{\circ} 07' 25''$ Lt.
 $D = 5^{\circ} 40' 58''$
 $R = 1008.23$
 $T = 206.26$
 $L = 406.91$
 $E = 20.89$

B.M. #16, Elev. 150.99
 Arrow on Fire Hydrant on the
 N.E. Corner of Fullerton
 & Terry.

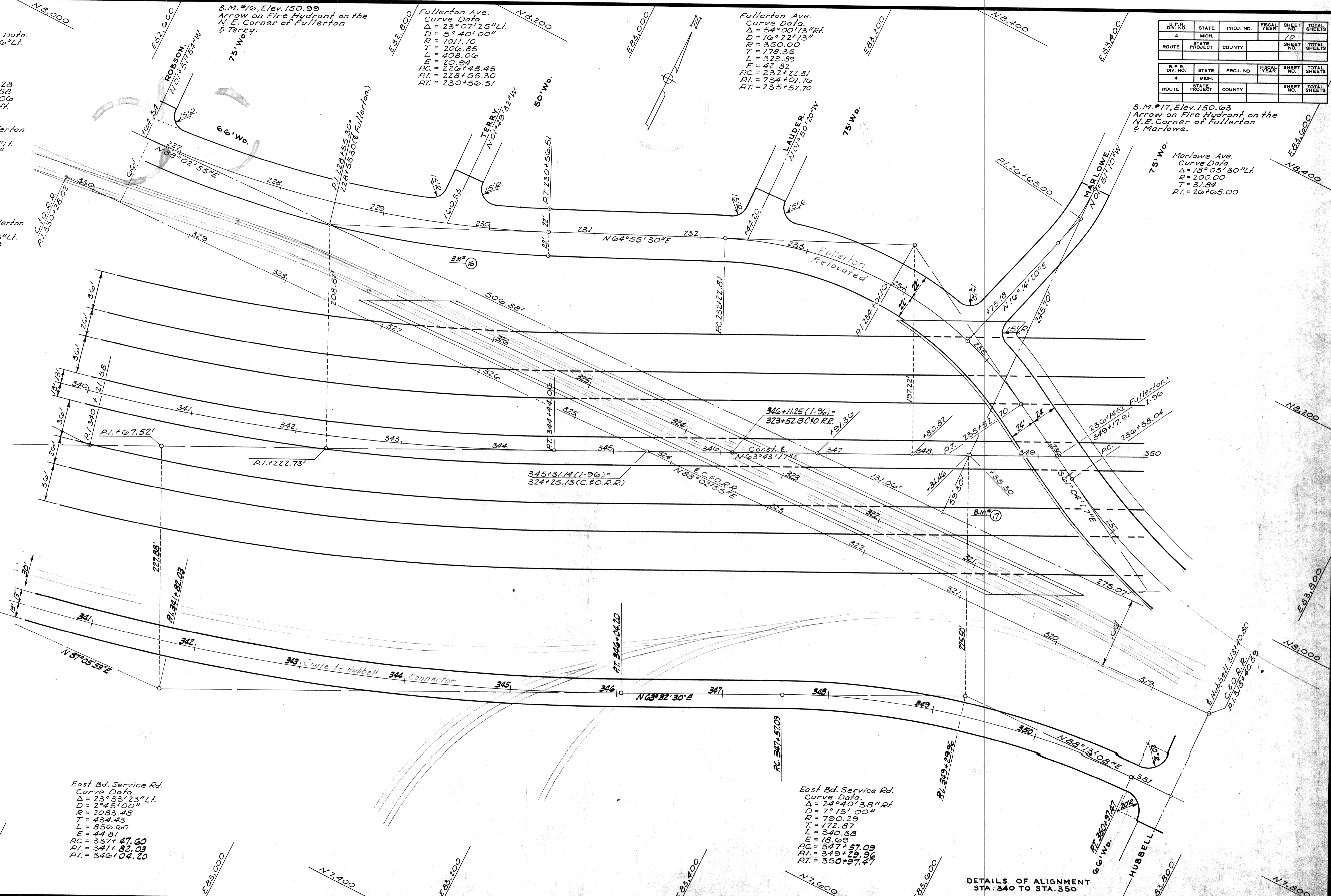
Fullerton Ave.
 Curve Data.
 $\Delta = 23^{\circ} 07' 25''$ Lt.
 $D = 5^{\circ} 40' 00''$
 $R = 1011.10$
 $T = 206.85$
 $L = 408.06$
 $E = 20.94$
 $PC = 226+48.45$
 $PI = 228+55.30$
 $RT = 230+56.51$

Fullerton Ave.
 Curve Data.
 $\Delta = 54^{\circ} 00' 13''$ Rt.
 $D = 16^{\circ} 22' 13''$
 $R = 350.00$
 $T = 179.35$
 $L = 329.89$
 $E = 42.82$
 $PC = 232+22.81$
 $PI = 234+01.16$
 $RT = 235+52.70$

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.			10	
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

B.M. #17, Elev. 150.63
 Arrow on Fire Hydrant on the
 N.E. Corner of Fullerton
 & Marlowe.

Marlowe Ave.
 Curve Data.
 $\Delta = 18^{\circ} 05' 30''$ Lt.
 $R = 200.00$
 $T = 31.84$
 $PI = 26+65.00$



East Bd. Service Rd.
 Curve Data.
 $\Delta = 23^{\circ} 33' 23''$ Lt.
 $D = 2^{\circ} 45' 00''$
 $R = 2083.48$
 $T = 434.43$
 $L = 856.60$
 $E = 44.81$
 $PC = 337+47.60$
 $PI = 341+32.03$
 $RT = 346+04.20$

East Bd. Service Rd.
 Curve Data.
 $\Delta = 24^{\circ} 40' 38''$ Rt.
 $D = 7^{\circ} 15' 00''$
 $R = 790.29$
 $T = 172.87$
 $L = 340.58$
 $E = 18.69$
 $PC = 347+57.09$
 $PI = 349+29.96$
 $RT = 350+97.47$

DETAILS OF ALIGNMENT
 STA. 340 TO STA. 350

SQUAD R. E. ROUSH

B.M. #18, Elev. 147.36
City B.M. # 83-252B, Elev. 147.367
Located on the N.E. Corner of
Hubbell & Fullerton.

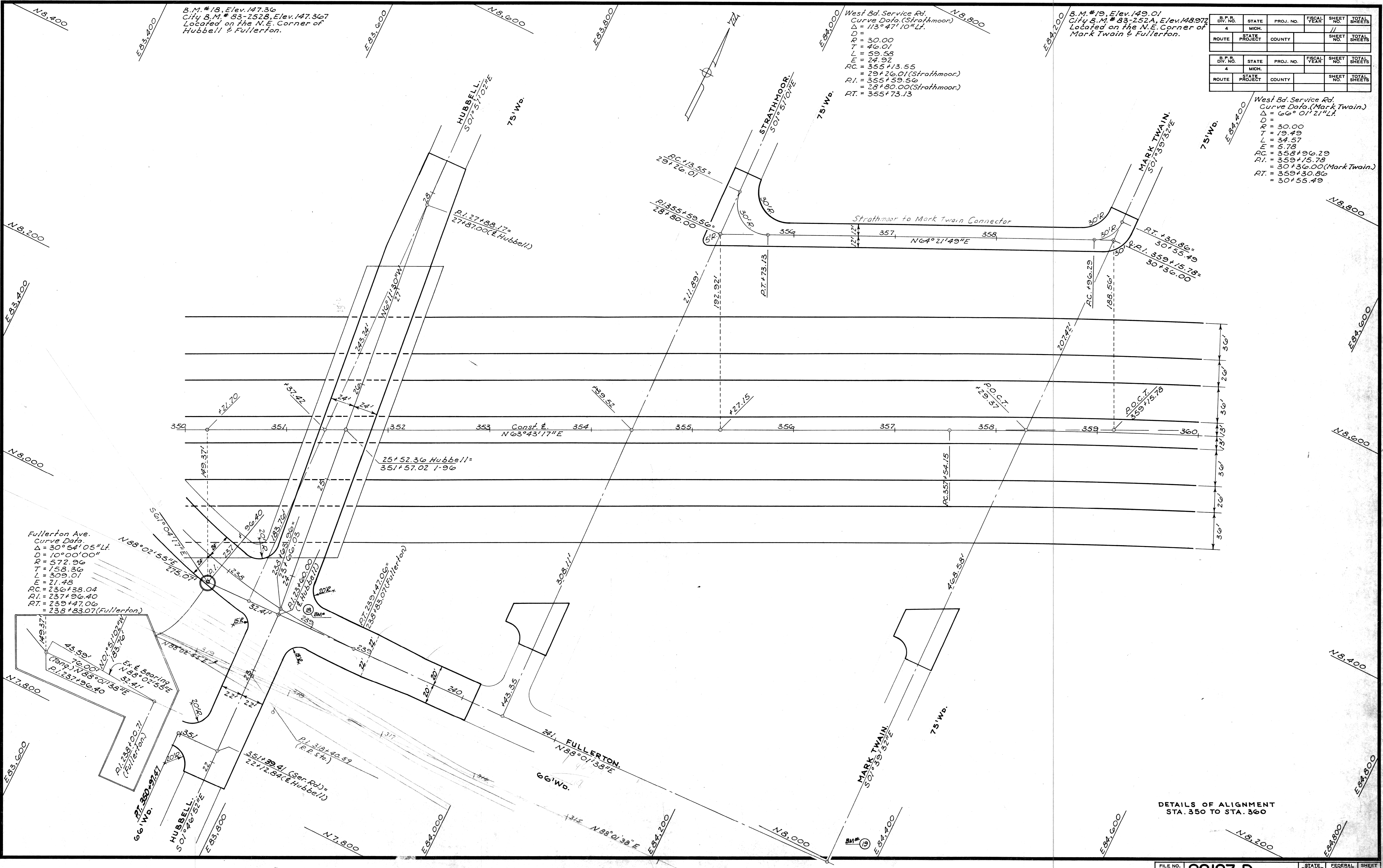
West Bd. Service Rd.
Curve Data (Strathmoor)
 $\Delta = 113^{\circ}47'10''$ Lt.
D = 30.00
T = 40.01
L = 59.58
E = 74.92
RC = 355+13.55
= 29+26.01 (Strathmoor)
R.I. = 355+59.56
= 28+80.00 (Strathmoor)
RT. = 355+73.13

B.M. #19, Elev. 149.01
City B.M. # 83-252A, Elev. 148.972
Located on the N.E. Corner of
Mark Twain & Fullerton.

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.			11	11
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.			11	11
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

West Bd. Service Rd.
Curve Data (Mark Twain)
 $\Delta = 66^{\circ}01'21''$ Lt.
D = 30.00
T = 19.49
L = 34.57
E = 5.78
RC = 358+96.29
R.I. = 359+15.78
= 30+36.00 (Mark Twain)
RT. = 359+30.80
= 30+55.49



DETAILS OF ALIGNMENT
STA. 350 TO STA. 360

Goetsch

PIERSON

E Bd Service Rd
 Curve #8
 $\Delta = 44^\circ 41' 01''$ Lt
 $D = 11^\circ 30' 00''$
 $H = 478.22$
 $L = 388.55$
 $T = 204.76$
 $E = 40.44$
 $PC = 10+00.00$
 $PI = 12+09.76$
 $PT = 13+88.55$

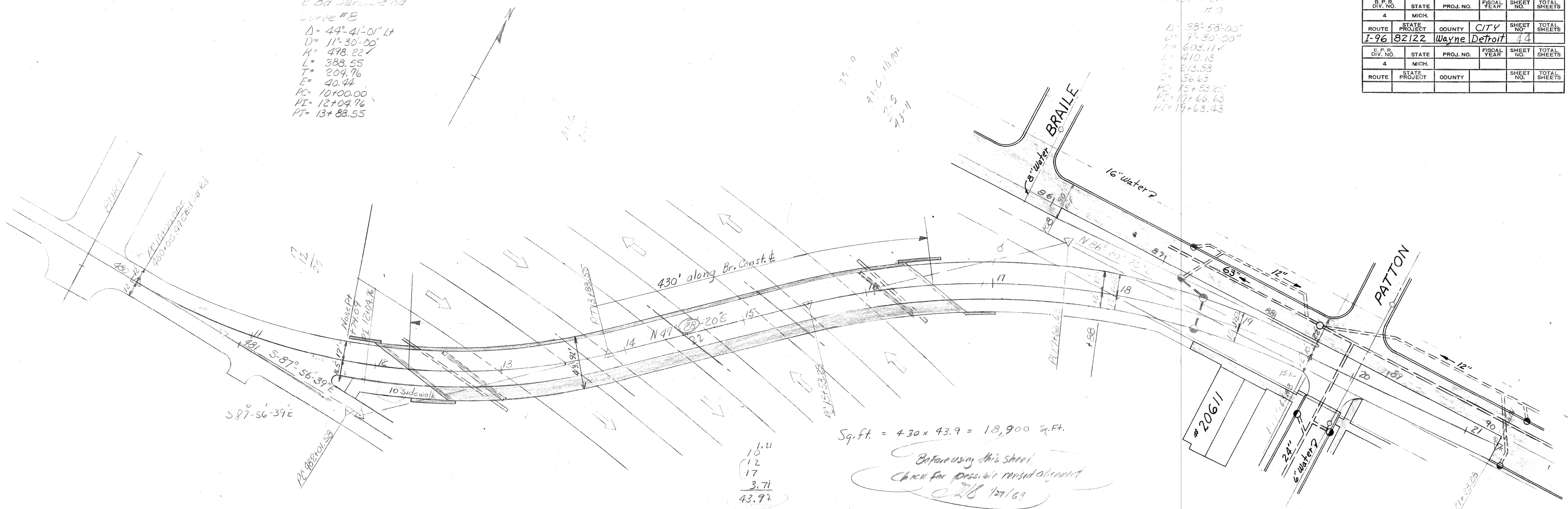
E Bd Service Rd
 Curve #9
 $\Delta = 38^\circ 58' 00''$
 $D = 7^\circ 30' 00''$
 $L = 603.11$
 $T = 410.15$
 $E = 213.55$
 $E = 56.63$
 $PC = 15+53.25$
 $PI = 17+66.63$
 $PT = 19+63.43$

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
I-96	82122	Wayne	Detroit	44	
E.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

AUTH.	DATE	REVISION	FINAL R.O.W.

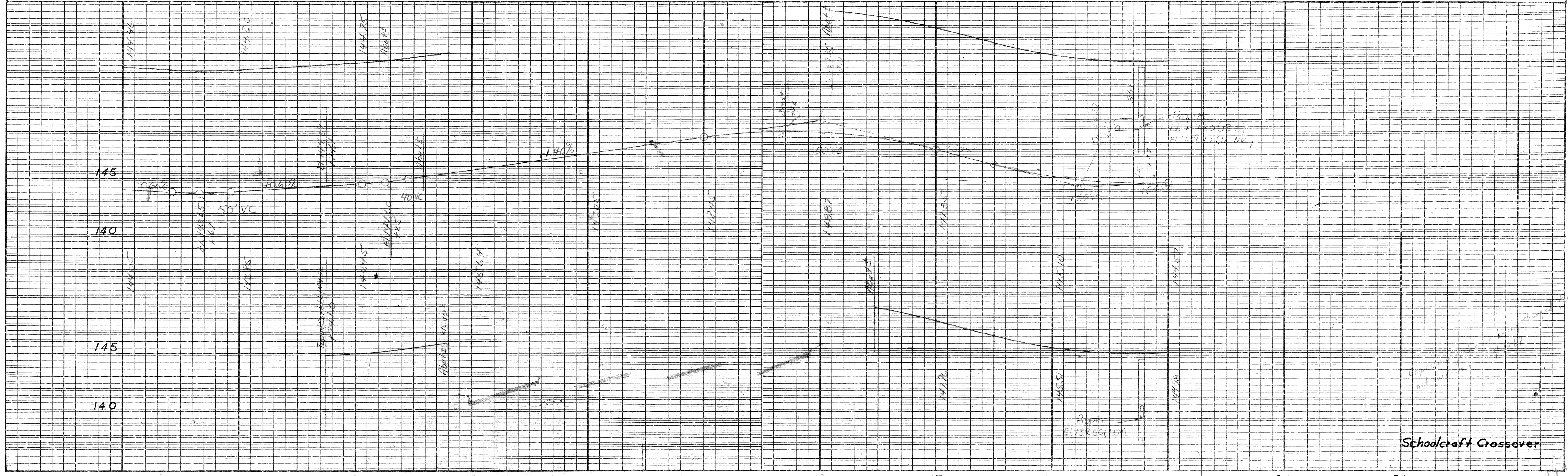
OPERATION	DATE
PRELIMINARY P.O.W. CHECKED	
FINAL DESIGN CHECKED	
TRACED	
FINAL P.O.W. CHECK	
QUANTITIES CHECKED	
SQUAD	

OPERATION	DATE
SURVEYED	
PLAN CHECKED	
PROFILE PLOTTED	
PRELIMINARY GRADE	
GRADE INSPECTION	
FEDERAL INSPECTION	



Sq. Ft. = $430 \times 43.9 = 18,900$ Sq. Ft.

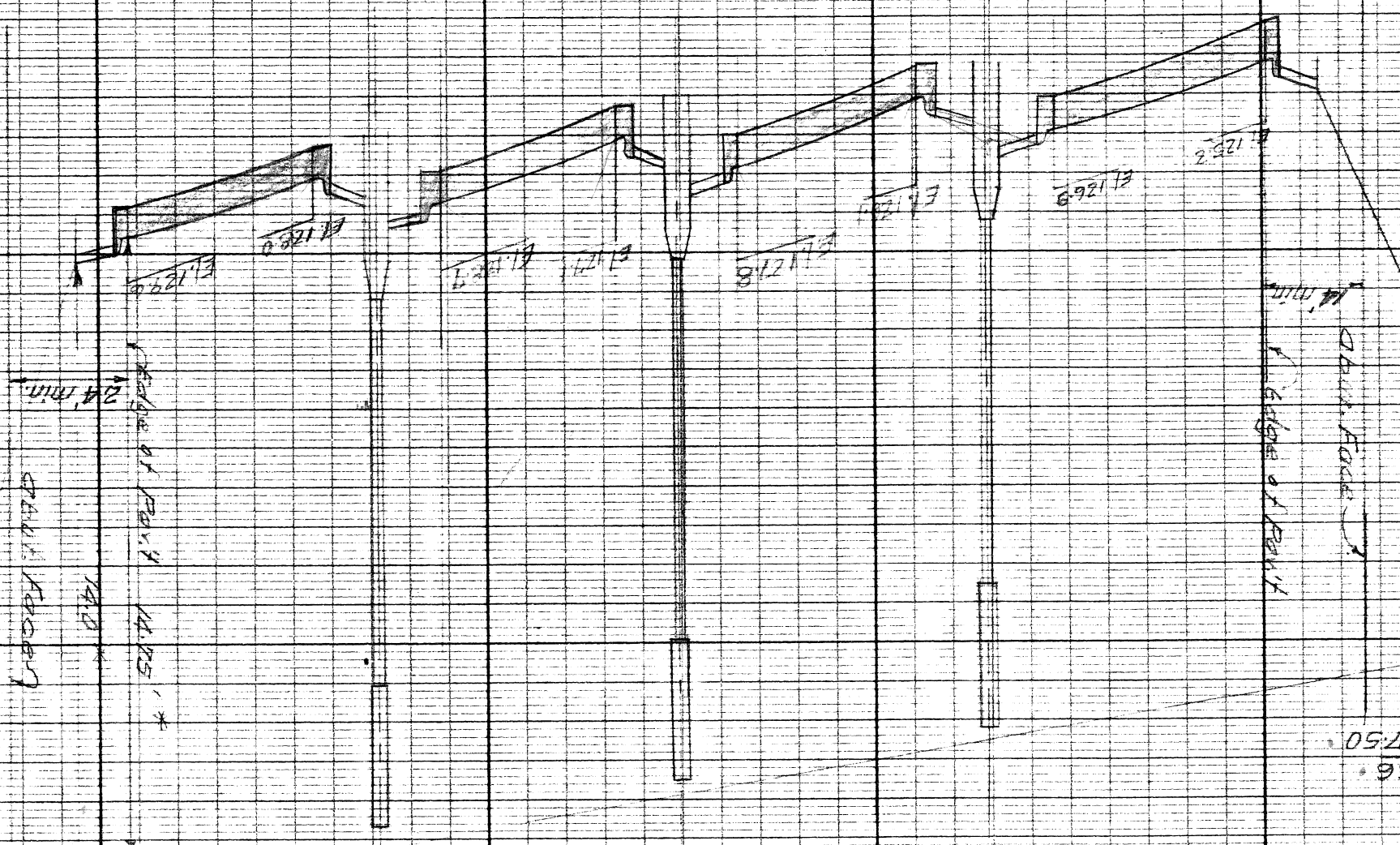
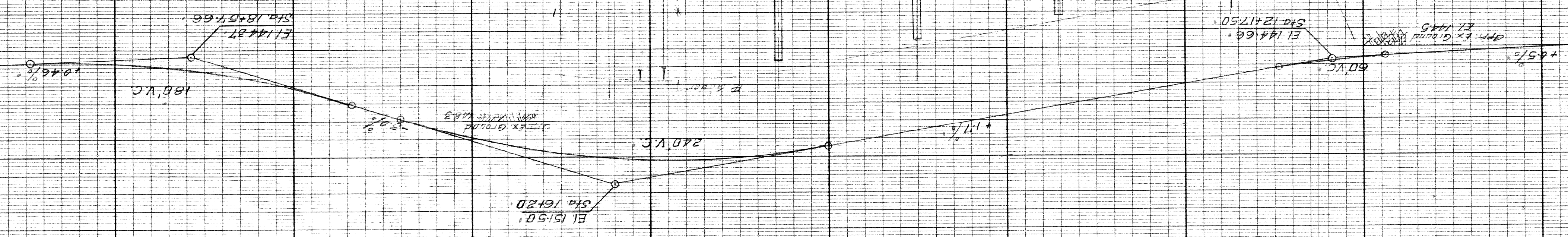
Before using this sheet
 Check for possible raised alignment
 2/18/09



Schoolcraft Crossover
P. G. GATTNER

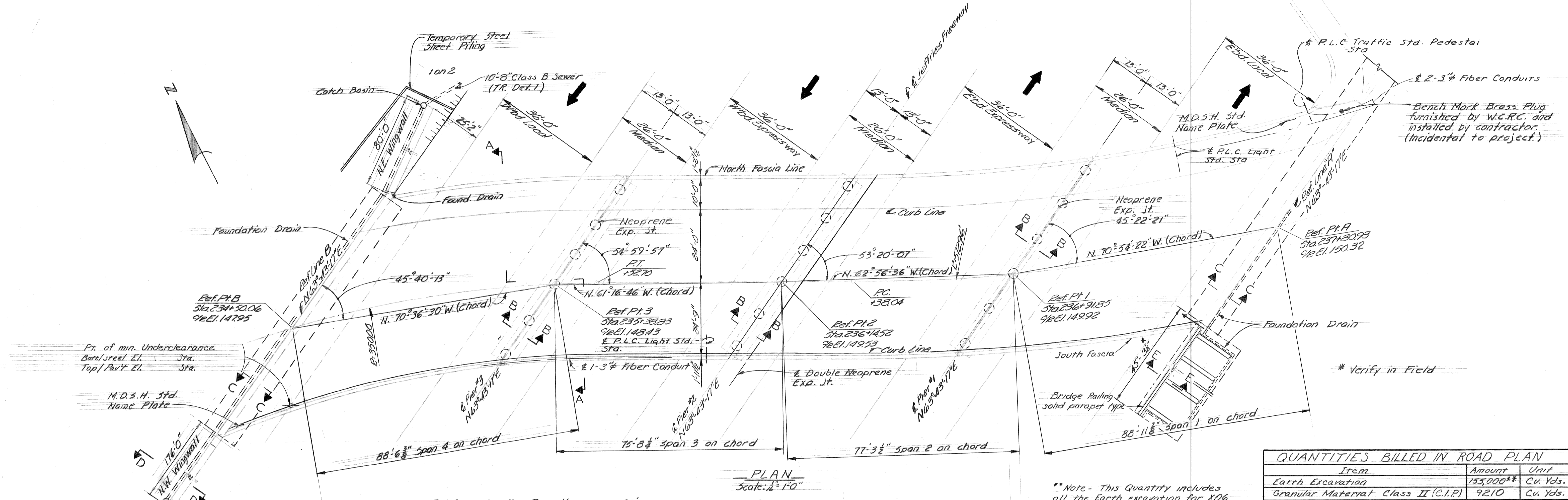
* See Calculations on the attached sheets

Profile along Bridge Constr. 8



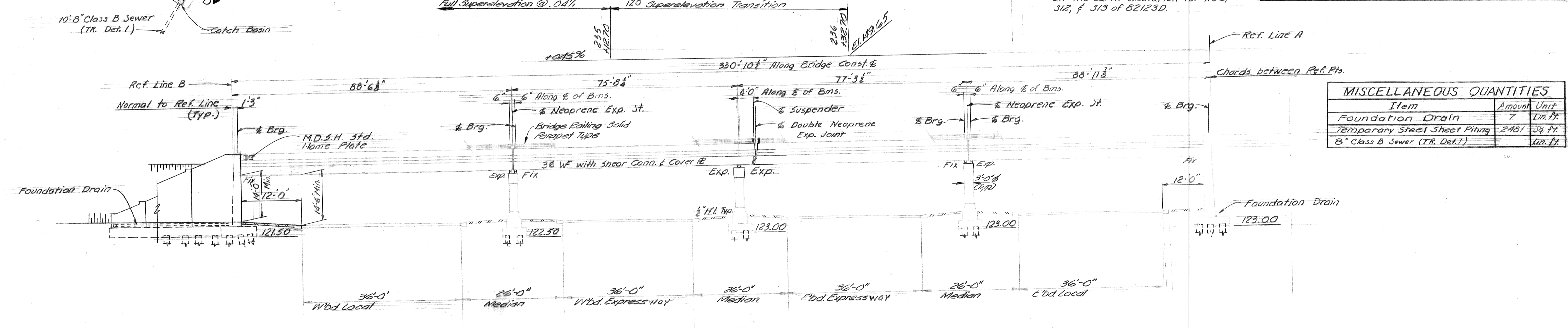
10 11 12 13 14 15 16 17 18 19 20 21

120
130
140
150



** Note - This Quantity includes all the Earth excavation for N06, S12, & S13 of 82123D.

QUANTITIES BILLED IN ROAD PLAN		
Item	Amount	Unit
Earth Excavation	155,000**	Cu. Yds.
Granular Material Class II (C.I.P.)	9210	Cu. Yds.



MISCELLANEOUS QUANTITIES		
Item	Amount	Unit
Foundation Drain	7	Lin. Ft.
Temporary Steel Sheet Piling	2481	Sq. Ft.
8" Class B Sewer (TR. Det. 1)		Lin. Ft.

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

APPROVED: _____
STRUCTURAL ENGINEER

JOB No.
PW 990 (18)

REVISIONS

NO.	DESCRIPTION	DATE	BY

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

FULLERTON AVE. CROSSING THE JEFFRIES FREEWAY IN DETROIT

GENERAL PLAN OF STRUCTURE

CITY OF DETROIT

SQUAD BOSS: Kocher 9-69
DRAWN BY: Herzog 7-69
CHECKED BY: D. Rowe 9-69
SHEET 5 OF 36

APPROVED: _____
SUPERVISOR - DESIGN

APPROVED: _____
ENGINEER - DESIGN SECTION I

S13 of 82123D

