

MICHIGAN DEPARTMENT OF STATE HIGHWAYS
 FULLERTON AVE CROSSING THE
 JEFFRIES FREEWAY IN DETROIT
 APPROVED: *R. J. Montgomery* 10-8-69
 DRAWN BY: *R. J. Montgomery* 8-69
 SHEET NO. 1 OF 1
 PROJECT NO. 10-1-69
 CITY OF DETROIT

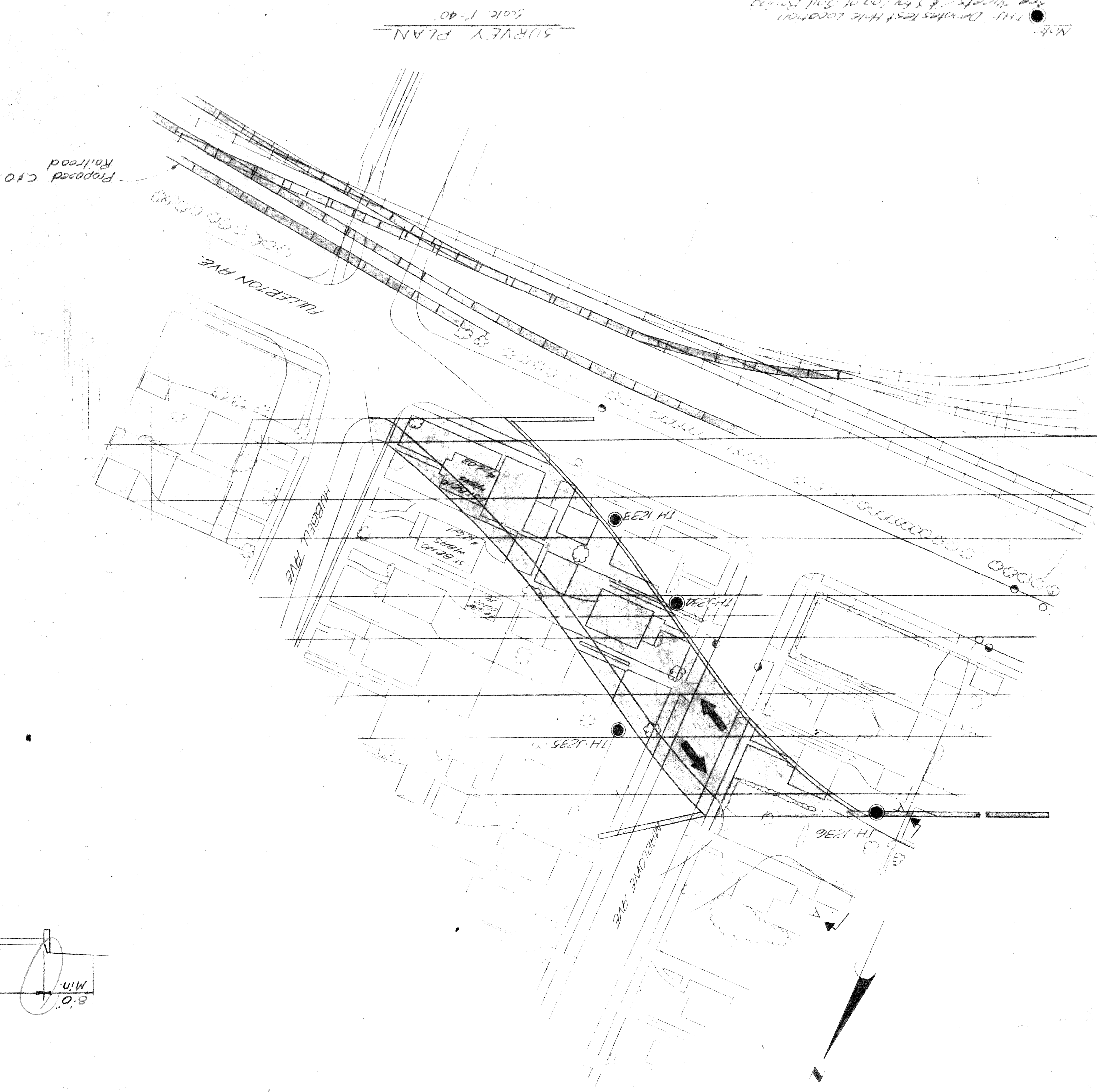
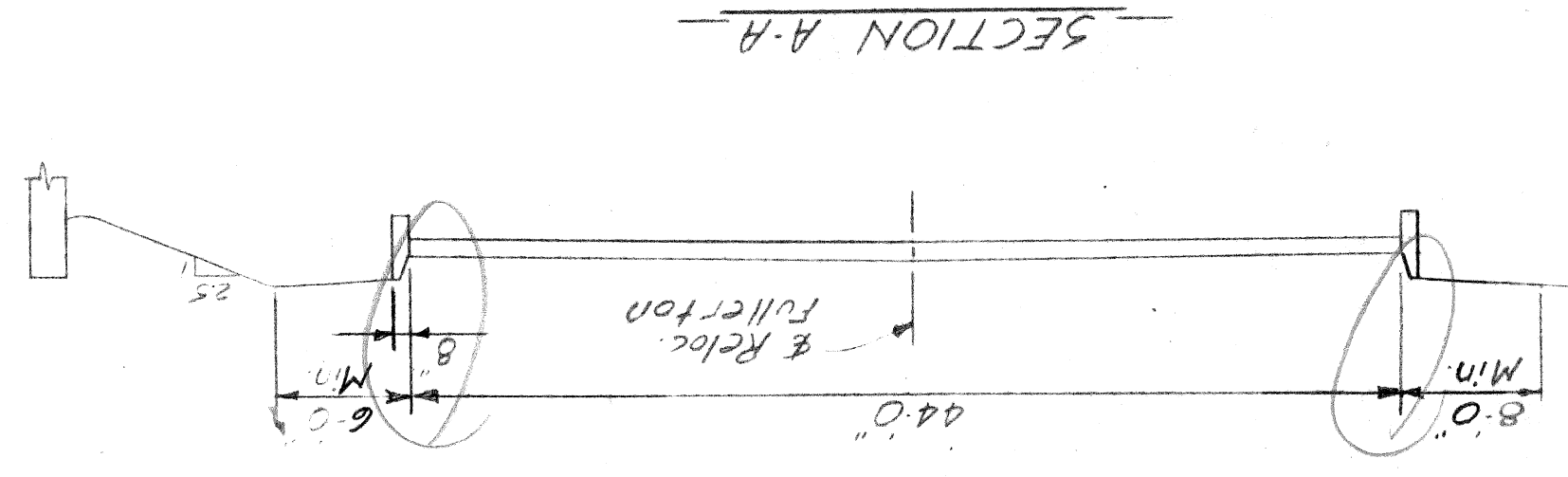
JOB NO. _____
 ADDRESS: _____
 CITY OF DETROIT
 DIVISION OF _____
 DATE: _____
 NO. _____
 REVISIONS: _____
 APPROVED: _____
 PW 990(18)

PRELIMINARY PLAN No. DATE 9-15-69

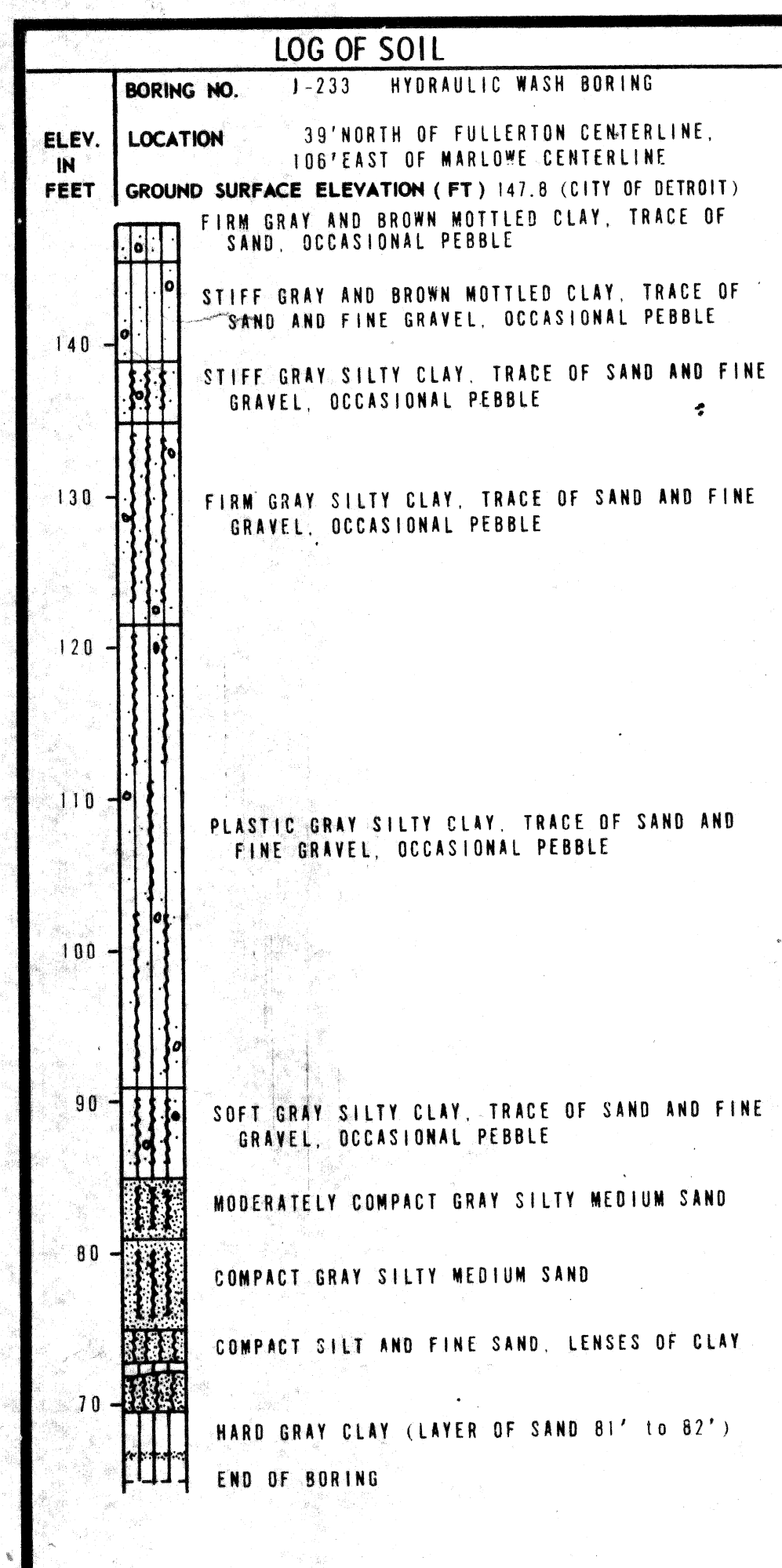
Add Traffic Count

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 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)

- LEGEND**
- Sewer Manhole
 - R.C. Manhole
 - ⊕ Water gate well & Valve
 - ⊙ Sewer Manhole
 - ⊙ D.E. Manhole
 - ⊙ R.C. Lightpole
 - ⊙ Sewer inlet or catch Basin
 - ⊙ Tree
 - Fence



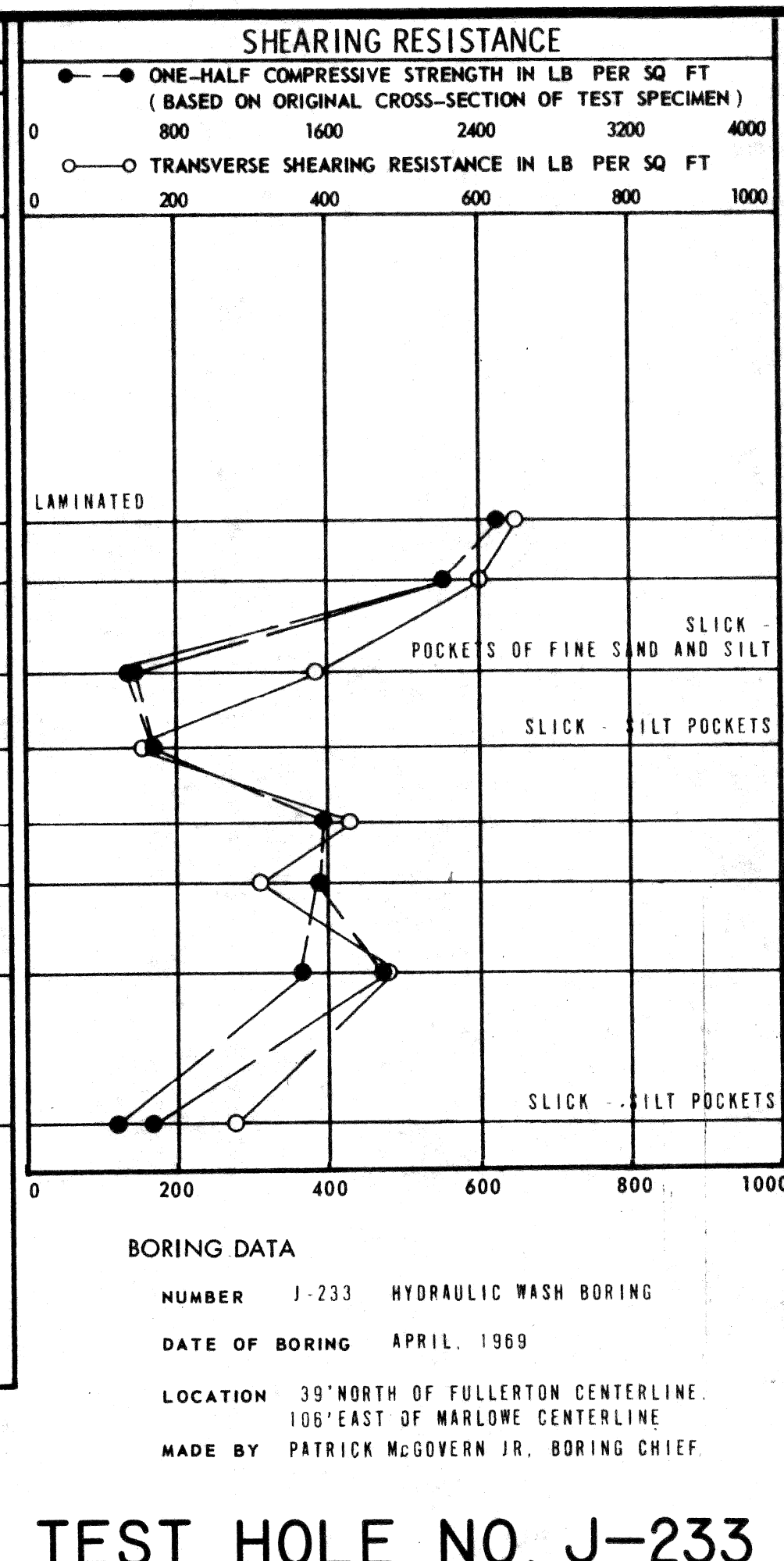
Note: This drawing has been checked for accuracy by the Surveyor General and the Surveyor in Charge of the Survey.



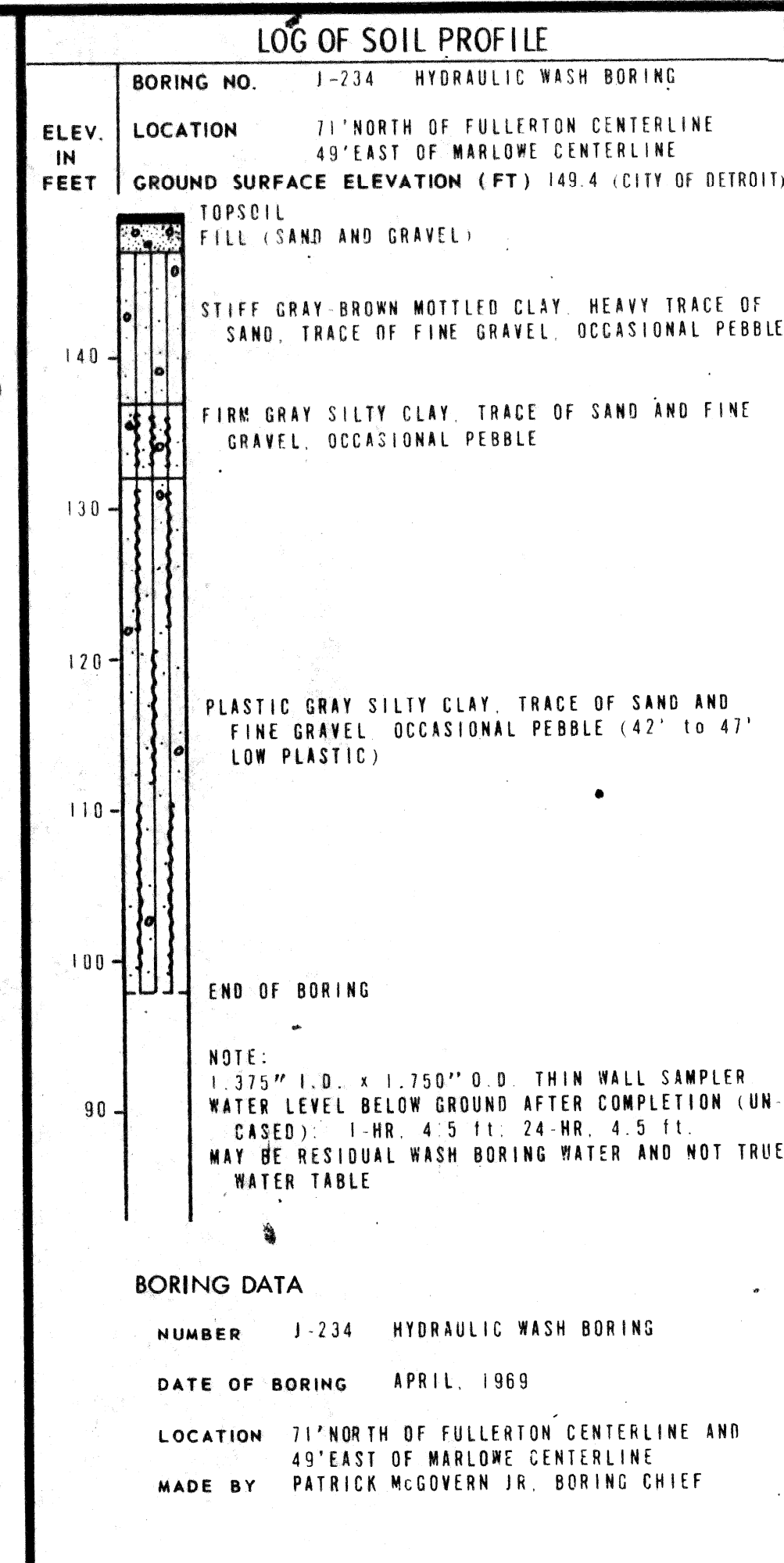
SOIL SAMPLE

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	
	137.8	7-9	6-6	NO	SAMPLE	
2	132.8	5-6	6-6	NO	SAMPLE	
3	127.3	LEVERED	FIRM	FIRM	19.4	108.6
4	123.3	LEVERED	FIRM	FIRM	17.5	113.6
5	117.3	LEVERED	PLASTIC	SOFT TO PLASTIC	29.0 31.0	94.8 89.9
6	112.3	LEVERED	PLASTIC	SOFT	24.0 30.0	103.0 92.4
7	107.3	LEVERED	PLASTIC	PLASTIC	23.6	101.7
8	103.3	LEVERED	PLASTIC	PLASTIC	23.8	102.3
9	97.3	LEVERED	PLASTIC	PLASTIC TO FIRM	22.9 22.3	102.3 103.0
	92.8	FAILED		NO	SAMPLE	
10	87.3	PUSHED AND LEVERED	SOFT	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 RE-TRIEVING CASING AT 83' 11". THERE WAS JUST ENOUGH FLOW TO CAUSE SLIGHT NOISE AS THE GAS BUBBLED THROUGH THE WATER IN CASING.

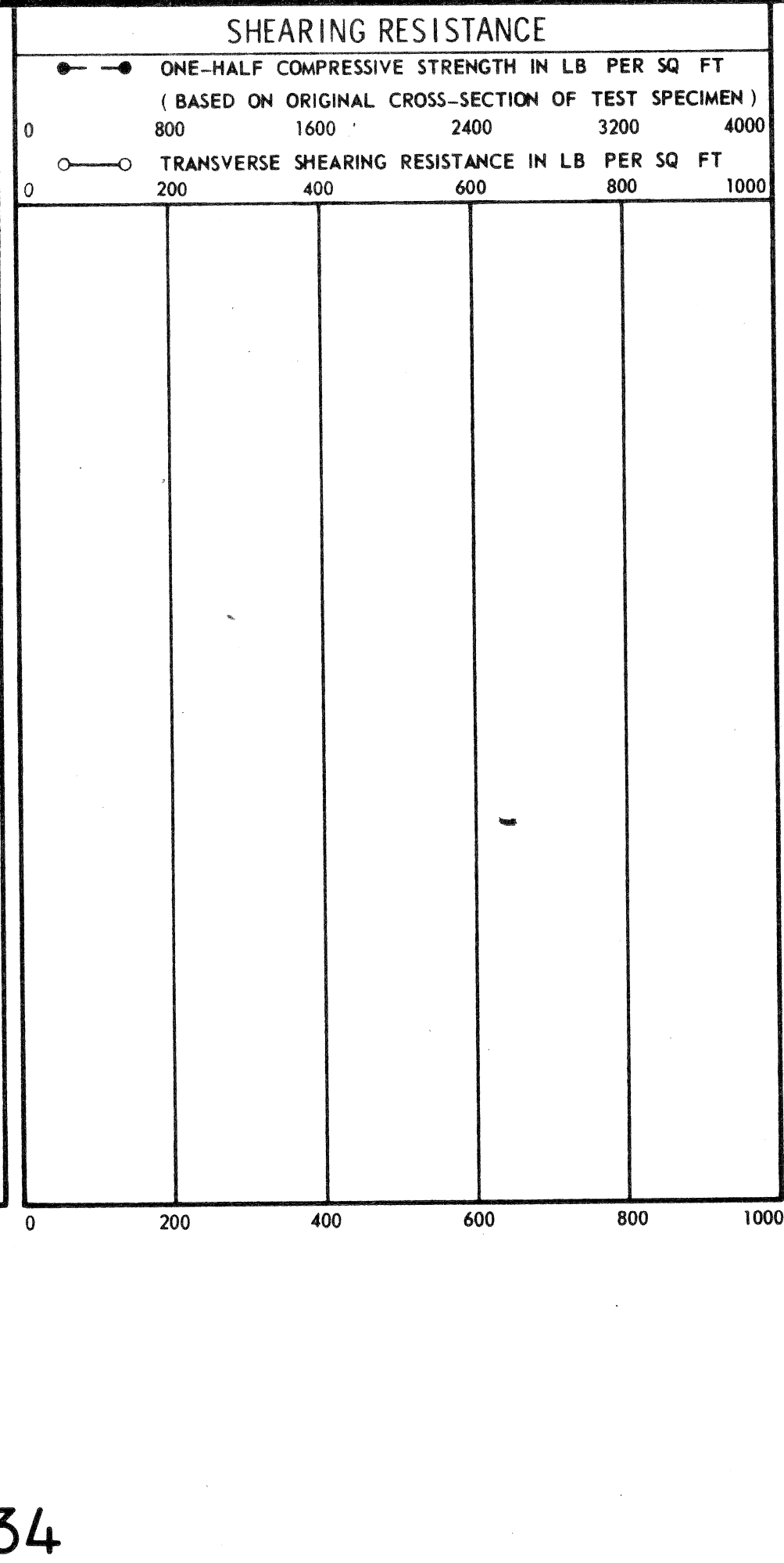


TEST HOLE NO. J-233

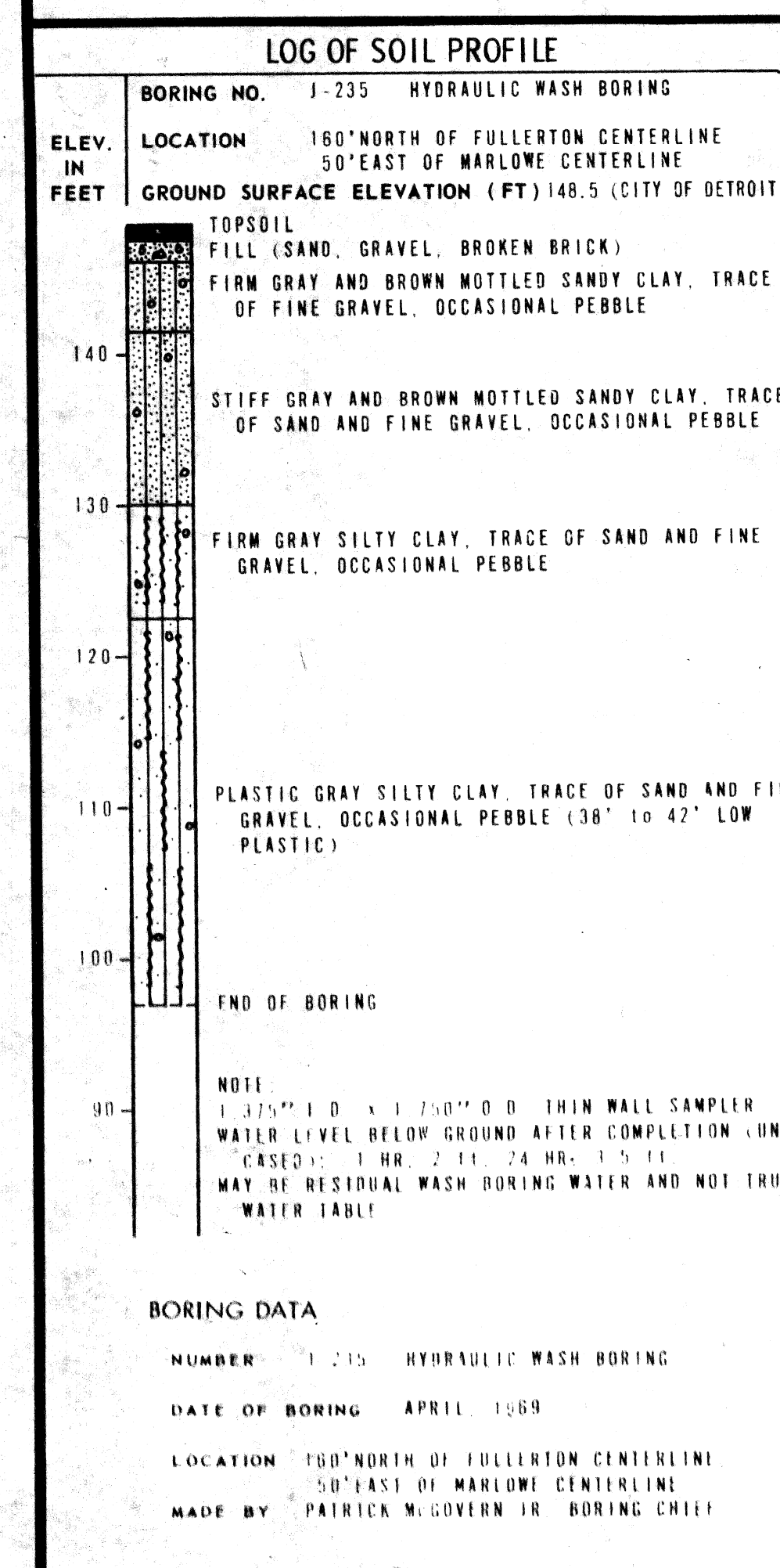


SOIL SAMPLE

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	8-17	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			

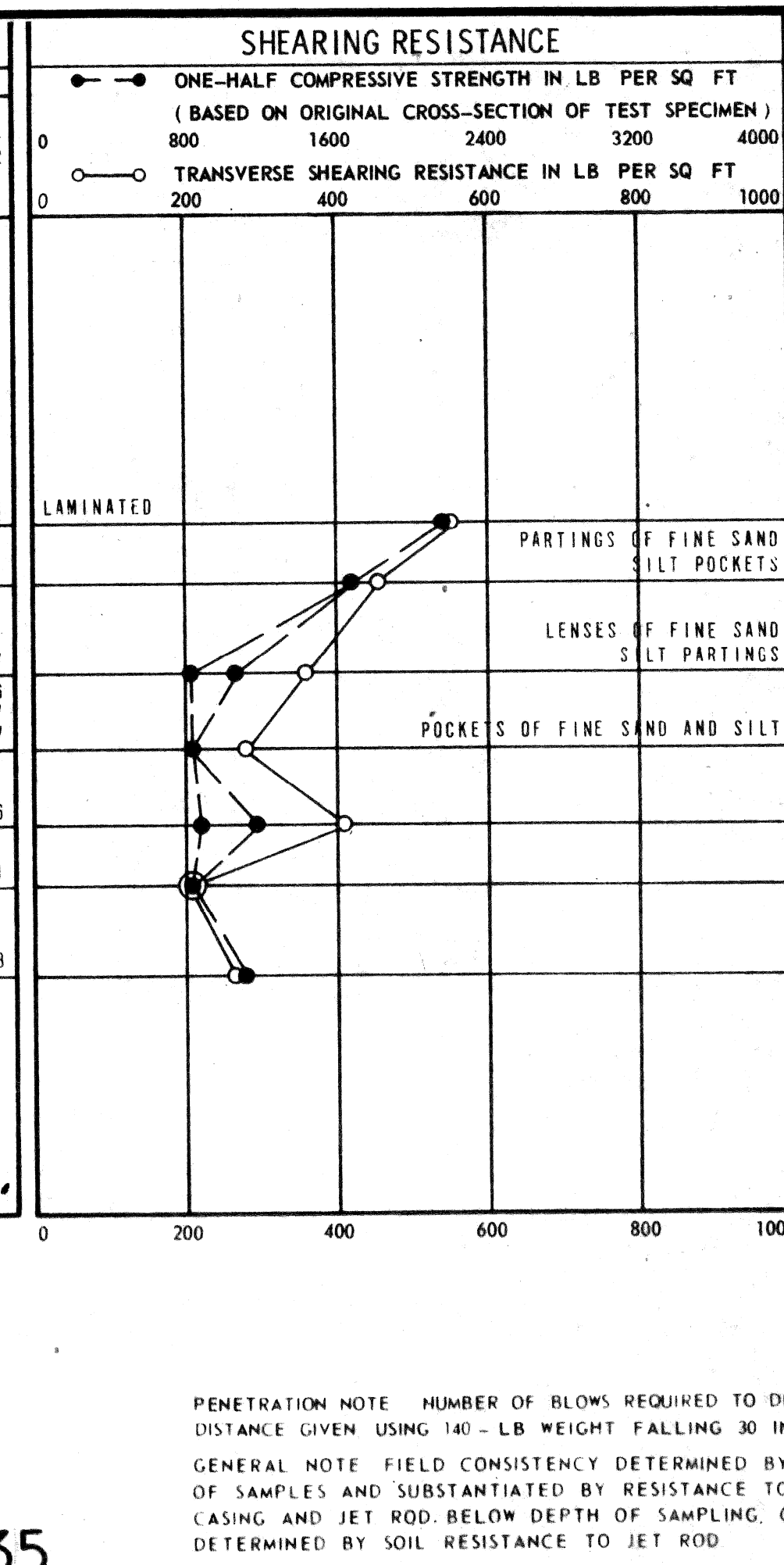


TEST HOLE NO. J-234

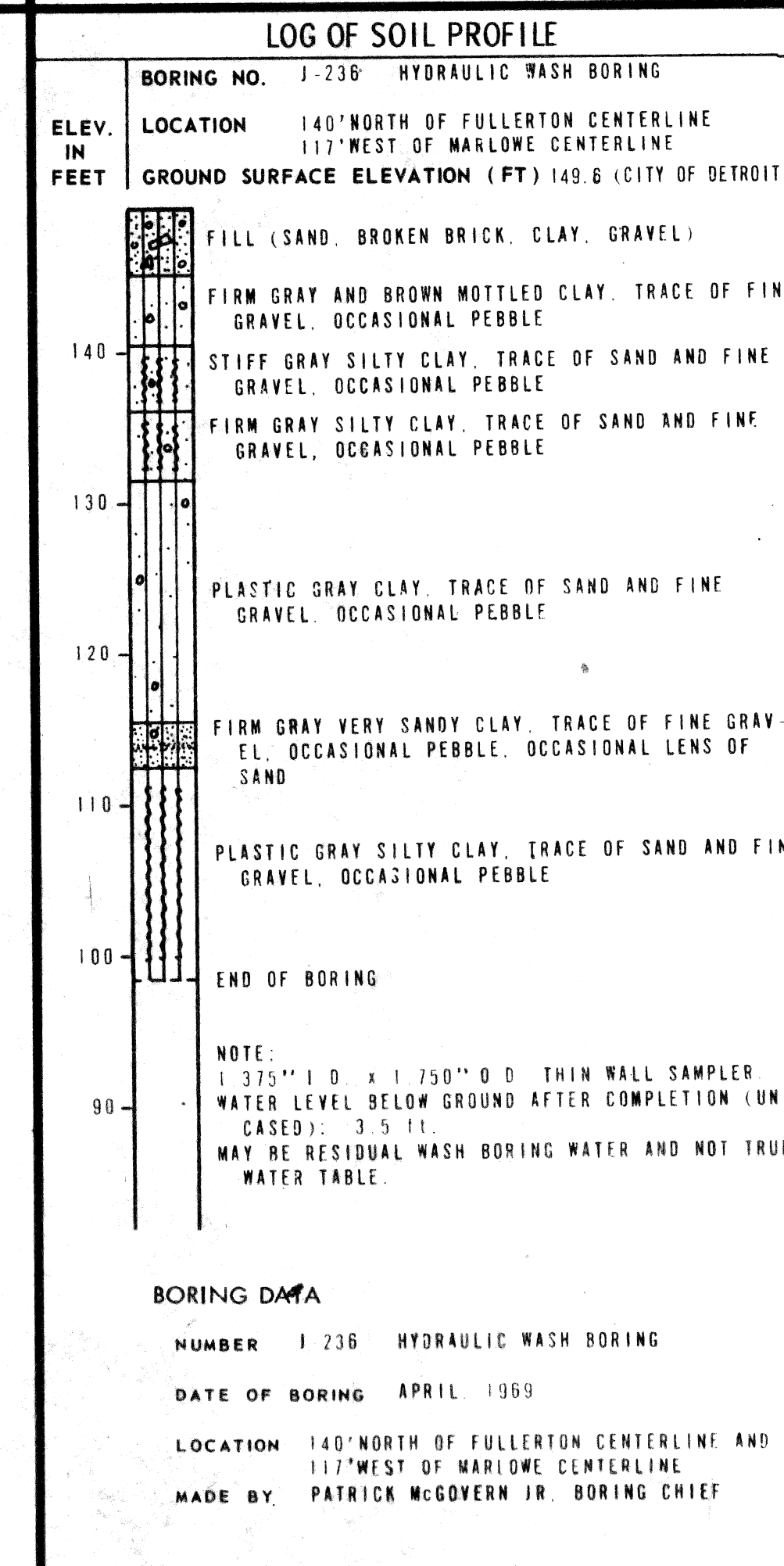


SOIL SAMPLE

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 17.8	108.6 111.7
4	113.0	LEVERED	PLASTIC	PLASTIC	21.2	106.7
5	108.0	LEVERED	PLASTIC	SOFT TO PLASTIC	17.3	103.6
6	104.0	LEVERED	PLASTIC	SOFT	21.3	106.1
7	98.0	LEVERED	PLASTIC	PLASTIC	24.0	99.8

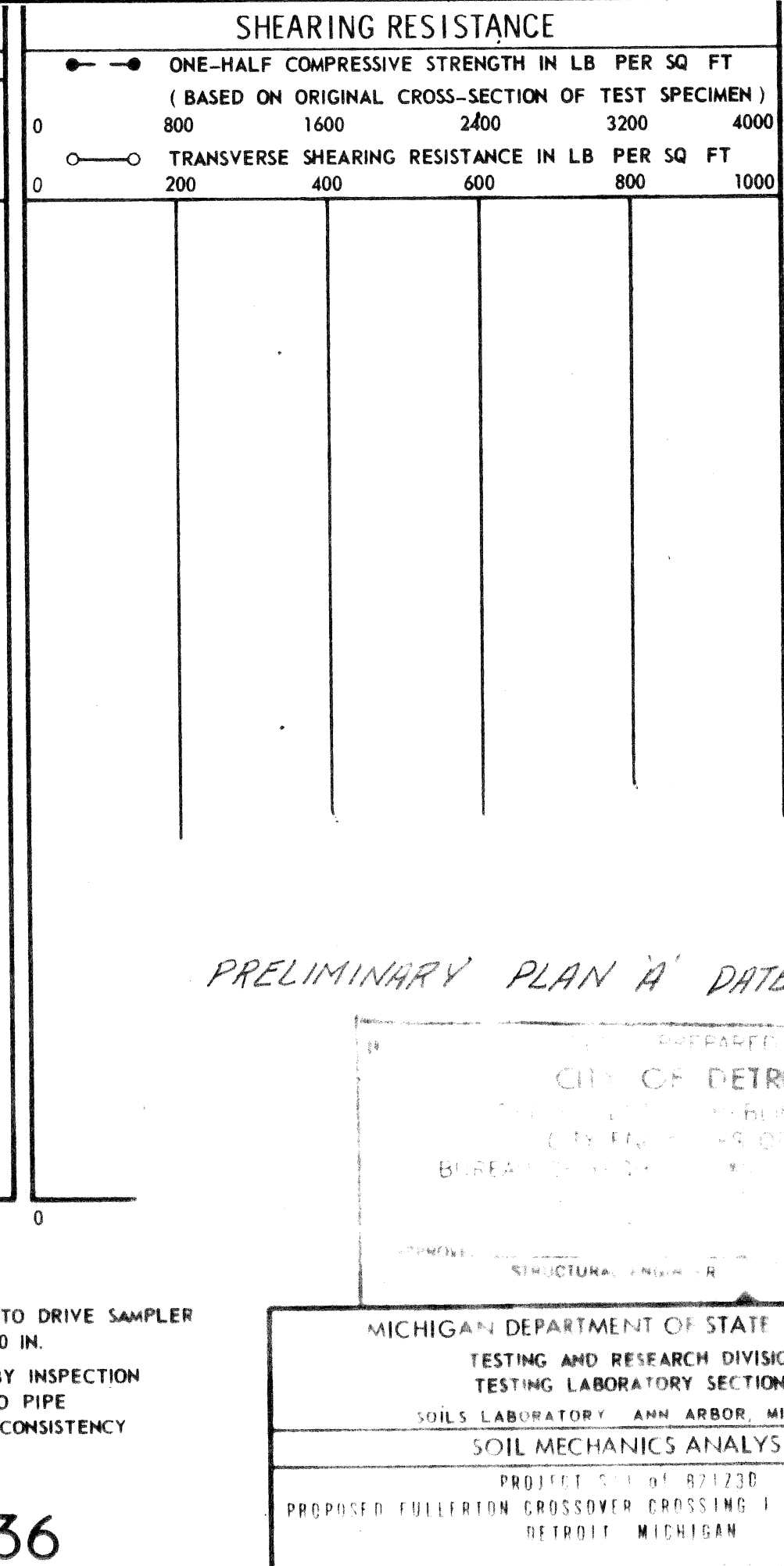


TEST HOLE NO. J-235

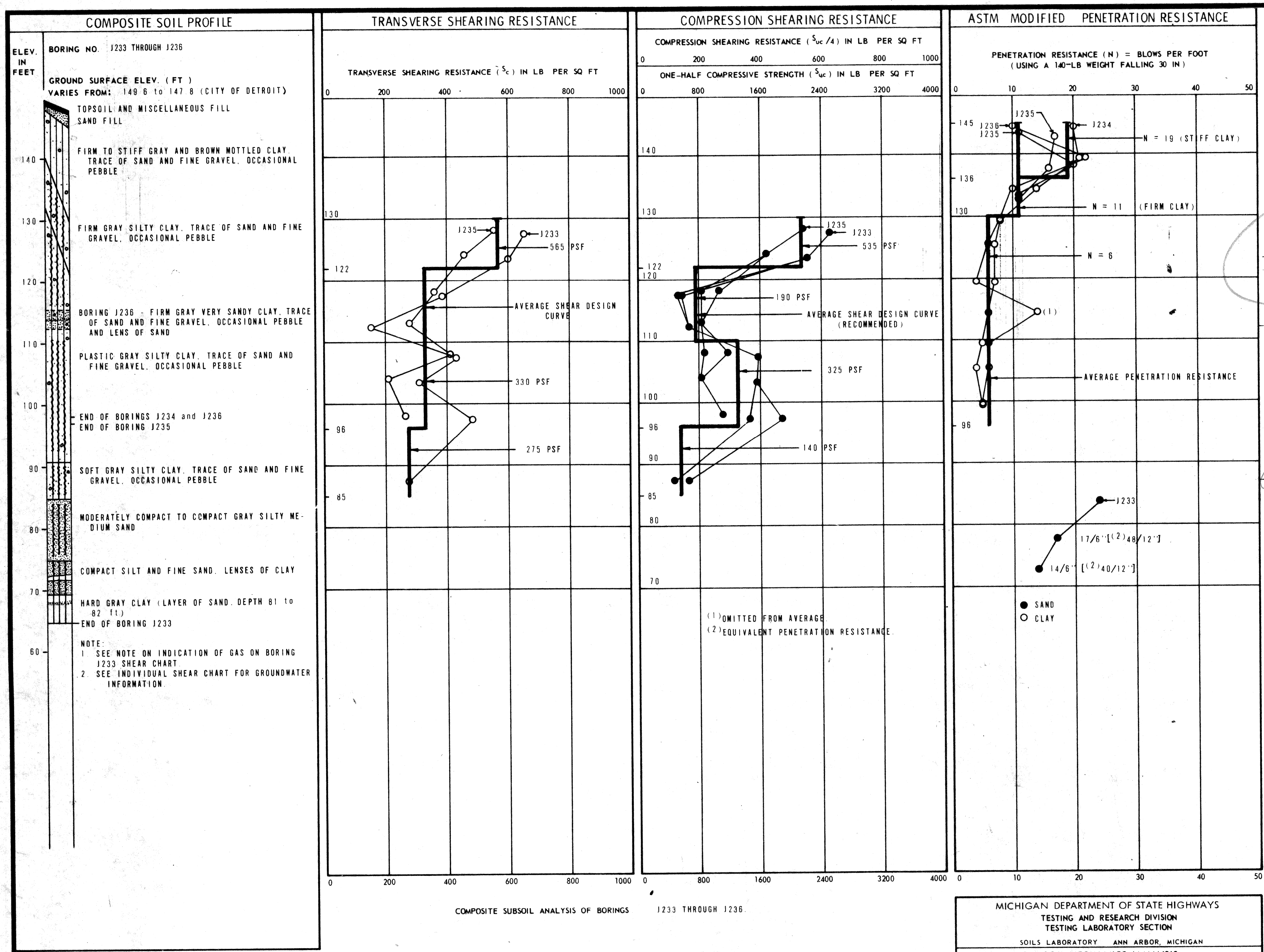


SOIL SAMPLE

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			
	139.6	10-12	6-6			
	134.6	4-6	6-6			
	129.6	3-5	6-6			
	125.6	3-3	6-6			
	119.6	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			



TEST HOLE NO. J-236



Bott. of ftg 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: *Quinn D. Brooks* DATE: 6-30-69
CHECKED BY: *Paul N. Martella* DATE: 6-30-69

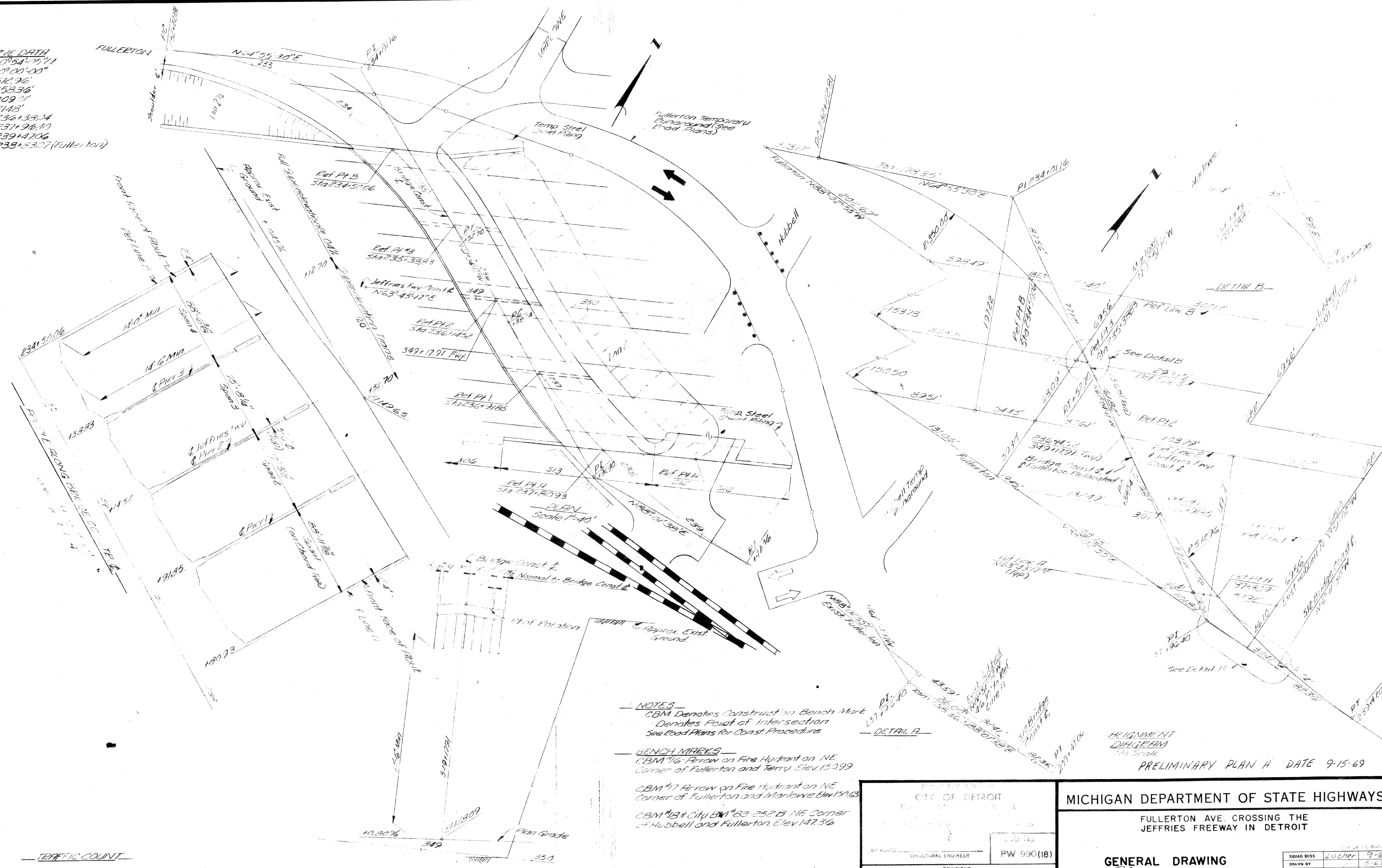
THE ABOVE COMPOSITE SOIL PROFILE IS INTENDED ONLY TO PRESENT AVERAGE CONDITIONS THROUGHOUT THE GROUP OF BORINGS REPRESENTED. SEE INDIVIDUAL BORING CHARTS FOR DETAILS.

PRELIMINARY PLAN A DATE 9-15-69

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
12000 EIGHTH AVE
DETROIT, MICHIGAN 48226
APPROVE: _____
STRUCTURAL ENGINEER

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

FULLERTON AVE CURVE DATA
 $\Delta = 54^{\circ}00'13''$ $D = 30^{\circ}04'15''$
 $D = 16^{\circ}27'13''$ $D = 10^{\circ}00'00''$
 $P = 350.00'$ $R = 512.96'$
 $T = 175.35'$ $T = 153.36'$
 $L = 329.89'$ $L = 309.01'$
 $E = 42.82'$ $E = 21.43'$
 $PC = 232+22.81$ $PC = 236+33.04$
 $PI = 234+01.16$ $PI = 237+96.10$
 $PT = 235+52.70$ $PT = 239+47.06$
 $= 238+53.07$ (Fullerton)



NOTES
 CBM Denotes Construction Bench Mark
 Denotes Point of Intersection
 See Lead Plans For Const. Procedure

BENCH MARKS
 CBM #16 Arrow on Fire Hydrant on NE Corner of Fullerton and Terry. Elev. 153.99
 CBM #17 Arrow on Fire Hydrant on NE Corner of Fullerton and Marlowe. Elev. 150.63
 CBM #18 City BM #63 252 B NE Corner of Hubbell and Fullerton. Elev. 147.36

CITY OF DETROIT			
APPROVED		JOB No. PW 990(18)	
REVISIONS			
NO.	DESCRIPTION	DATE	BY

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

FULLERTON AVE. CROSSING THE JEFFRIES FREEWAY IN DETROIT

GENERAL DRAWING

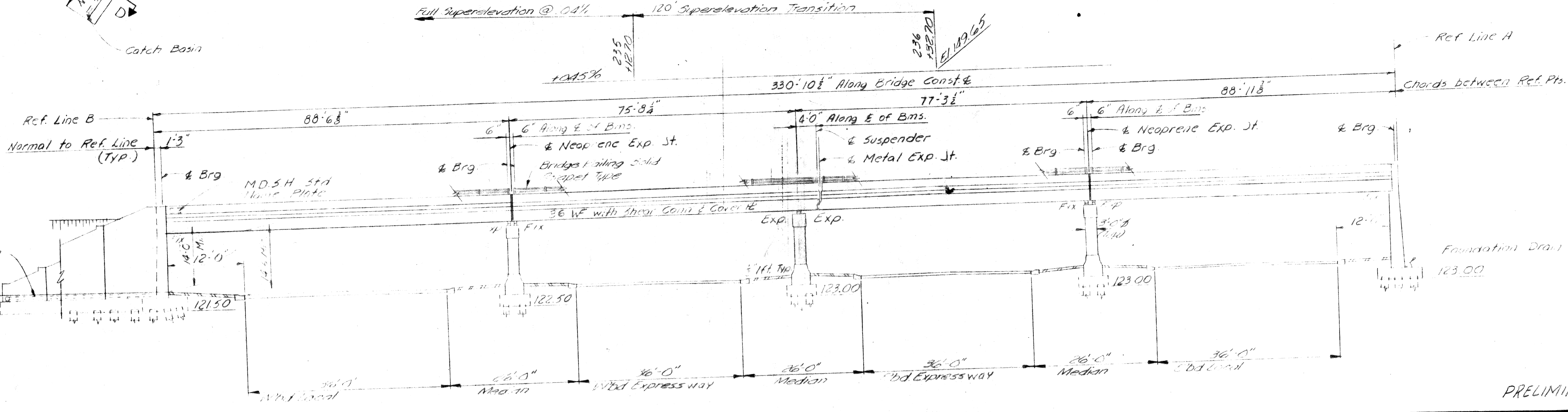
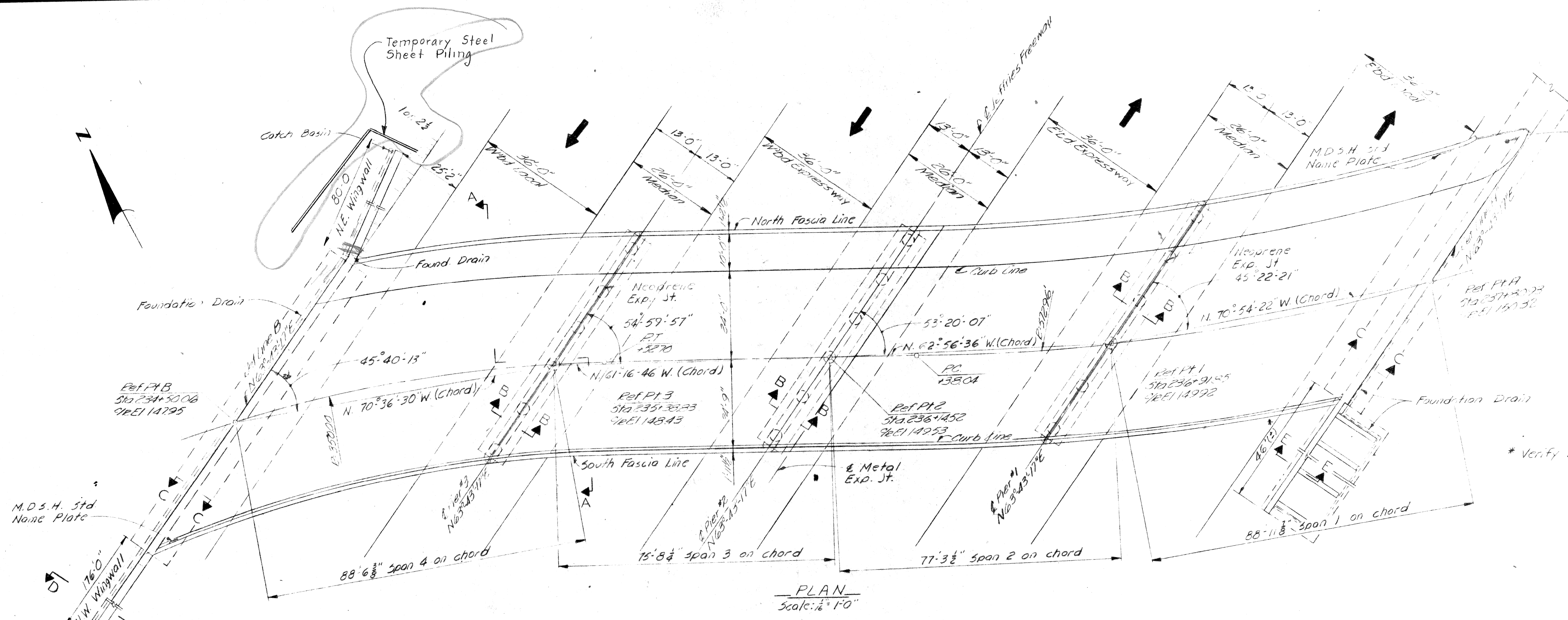
APPROVED: *R. S. Montgomery* 10-8-69 SUPERVISOR - DESIGN
 APPROVED: *J. J. Cook* 10-8-69 ENGINEER - DESIGN

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

S13 of 82123D

TRAFFIC COUNT

PROFILE ALONG FREEWAY CONST



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
 BUREAU OF HIGHWAYS AND EXPRESSWAYS

APPROVED _____
 STRUCTURAL ENGINEER

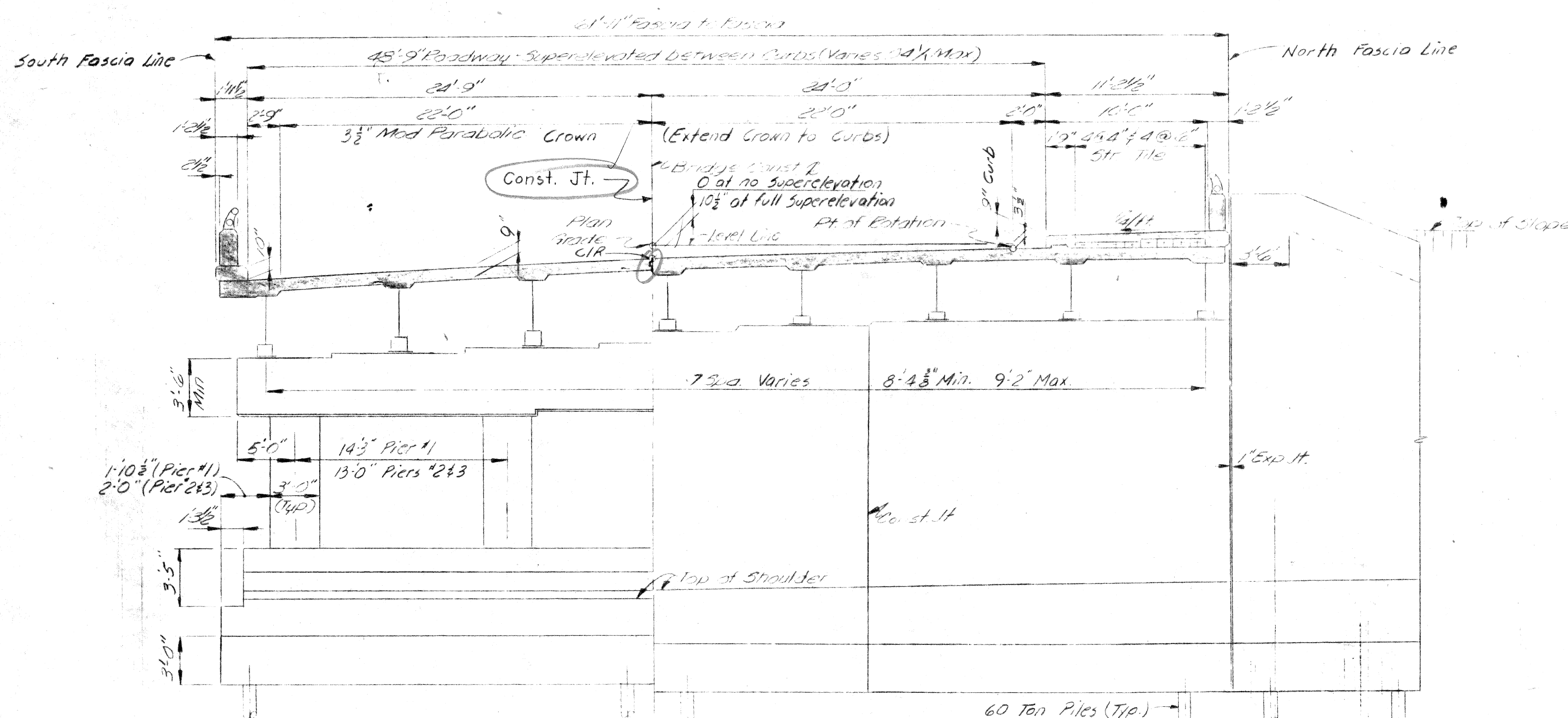
JOB NO.
 PW 990 (18)

NO.	DESCRIPTION	DATE	BY

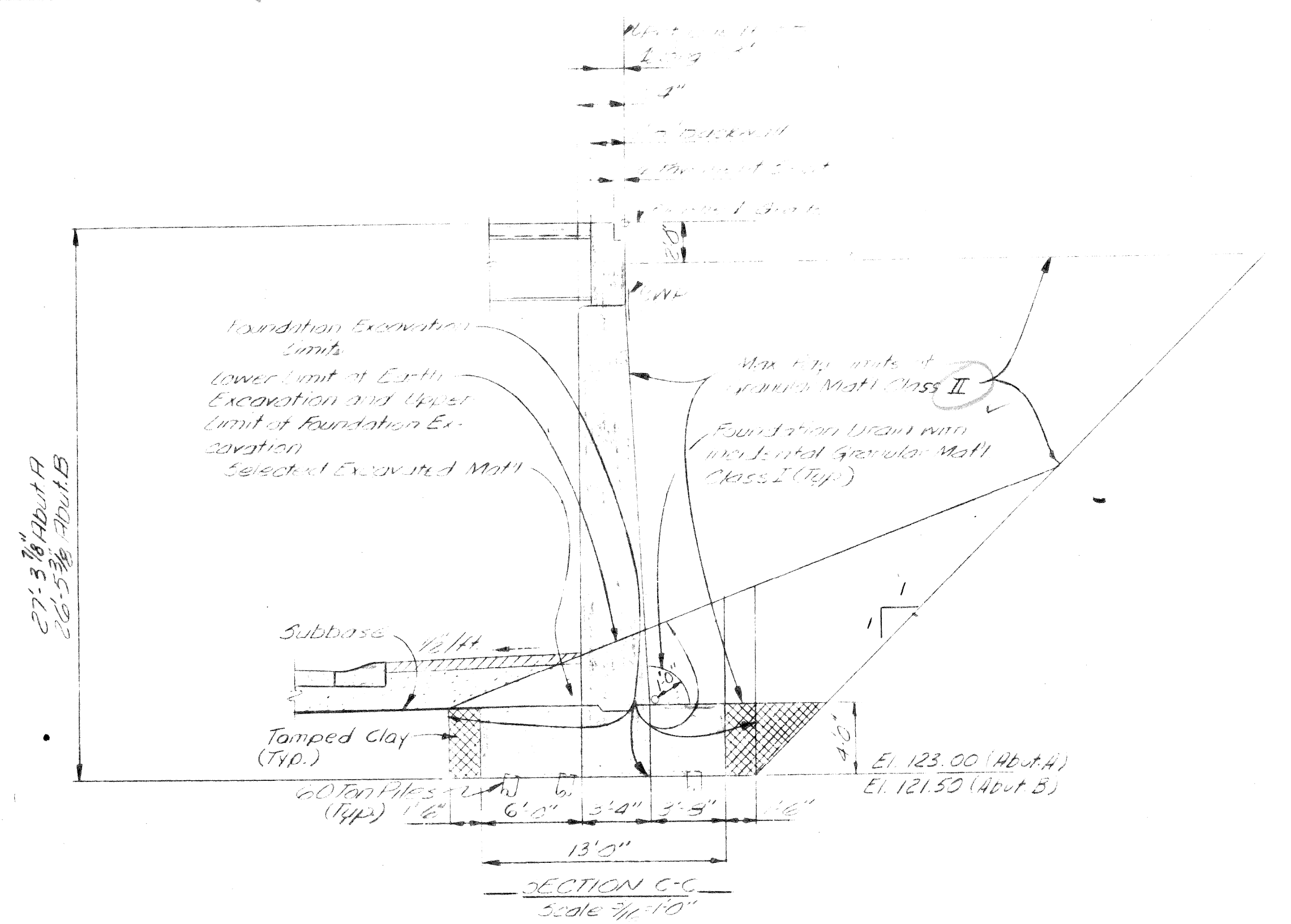
MICHIGAN DEPARTMENT OF STATE HIGHWAYS
 FULLERTON AVE. CROSSING THE
 JEFFRIES FREEWAY IN DETROIT
 GENERAL PLAN OF STRUCTURE

APPROVED *R. J. Montgomery* 10-8-69
 APPROVED *P. J. Cook* 10-8-69

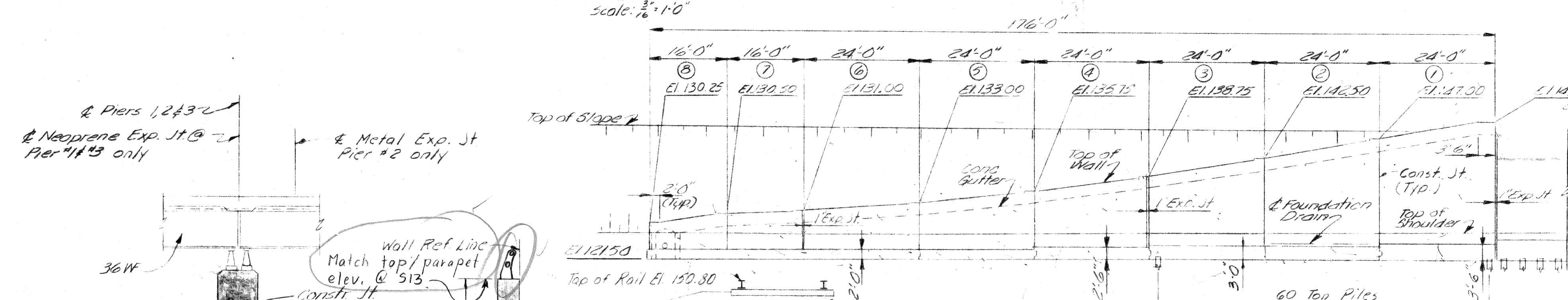
CHAD BOSS
 DRAWN BY
 CHECKED BY
 SHEET 2 OF 2
 S13 of 82123D



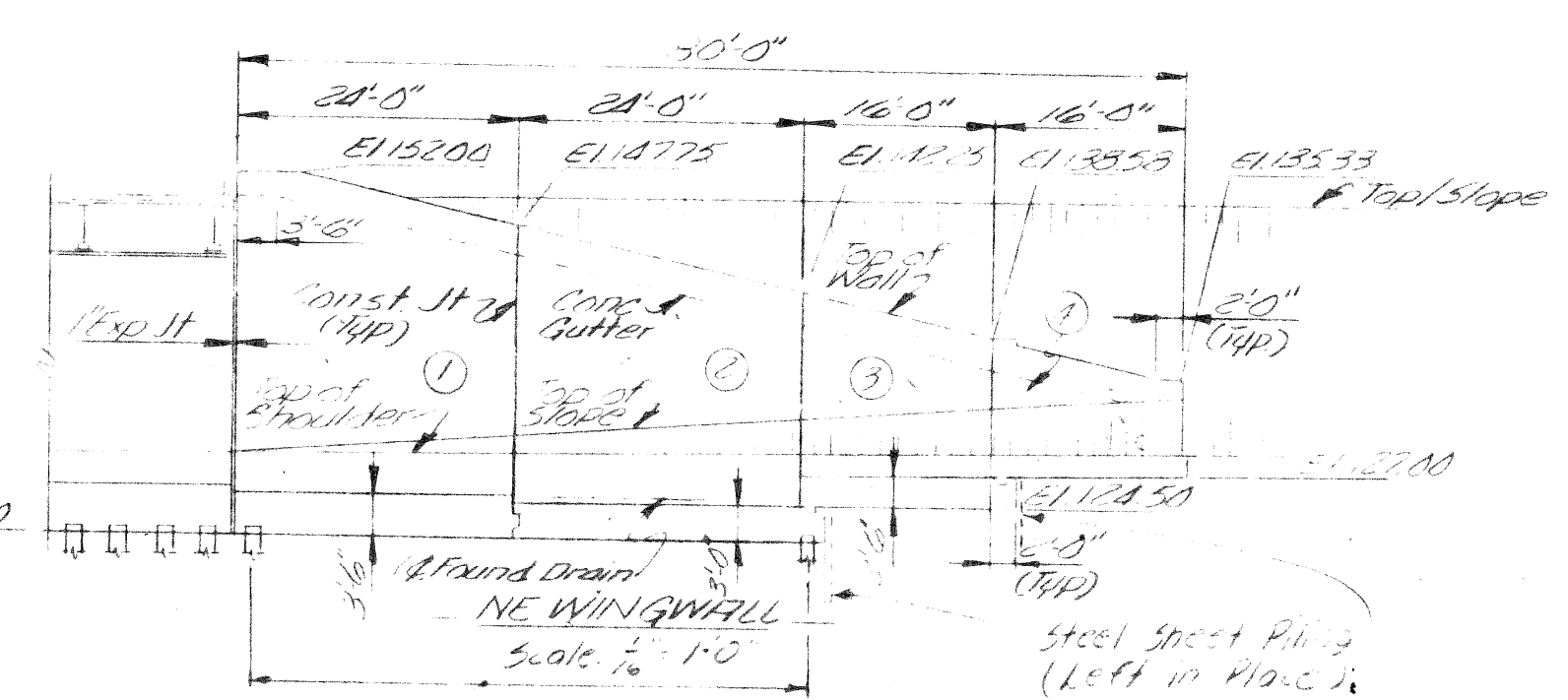
SECTION A-A
Scale: 3/16" = 1'-0"



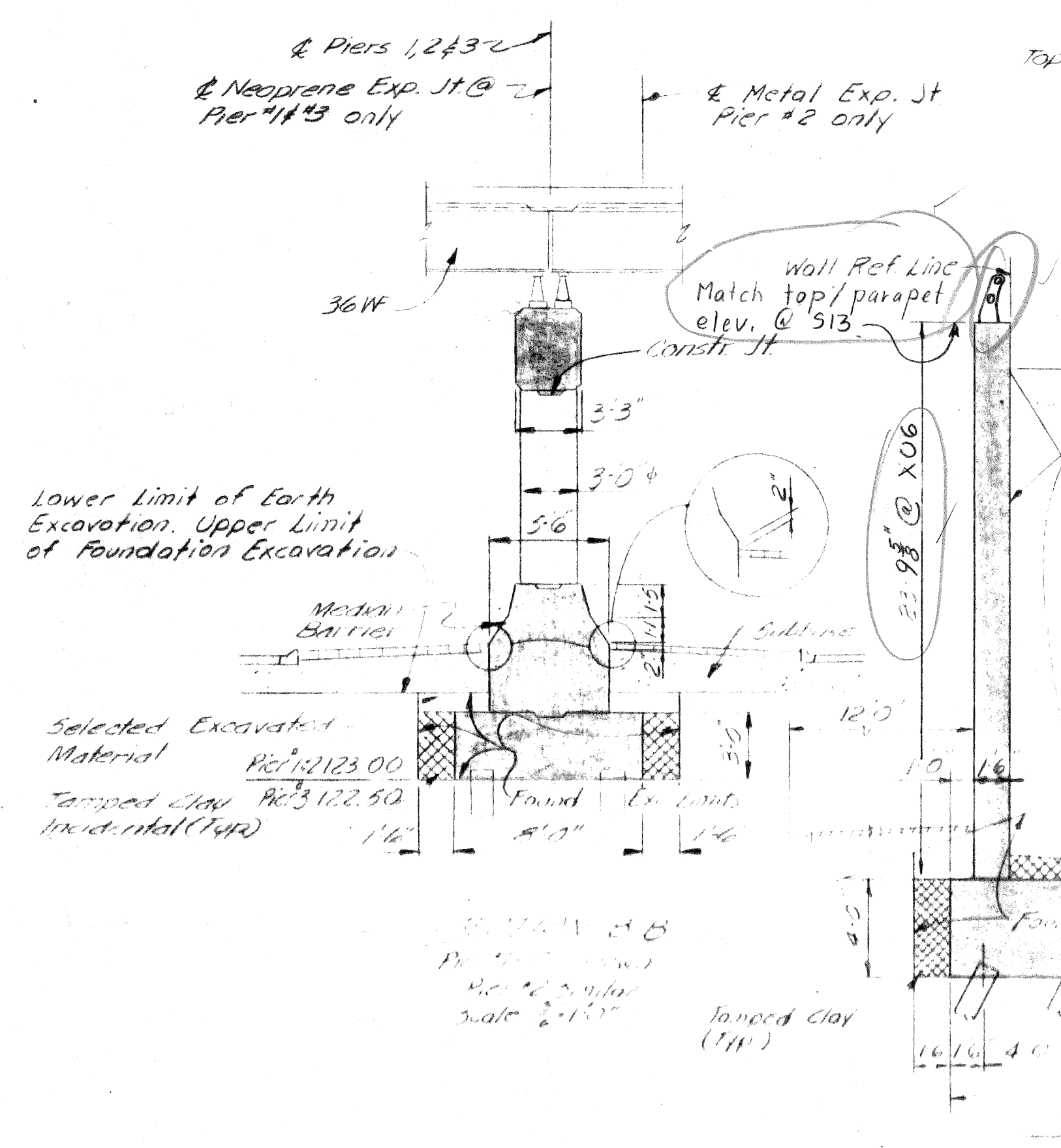
SECTION C-C
Scale: 1/4" = 1'-0"



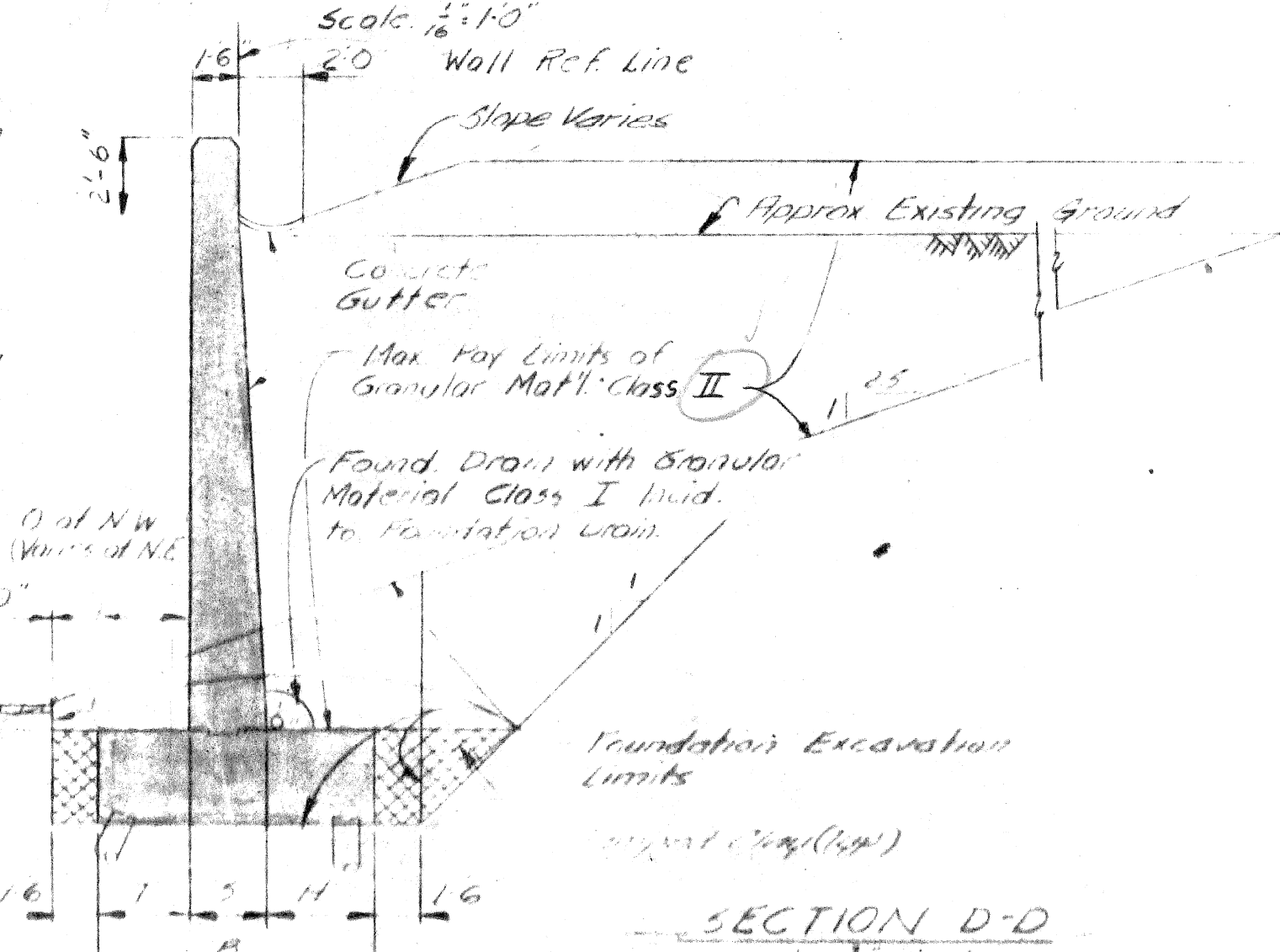
N.W. WINGWALL
Scale: 1/8" = 1'-0"



N.E. WINGWALL
Scale: 1/8" = 1'-0"



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



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

WINGWALL DIMENSIONS					
Section	T	S	H	B	F
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	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 AASHTO specifications for the design of Highway Bridge's, 1958 Edition and current AASHTO Standard Specifications for Highway Bridges, 1958 Edition. All materials shall conform to the specifications of the American Institute of Steel Construction, Inc. except as otherwise noted.
 This structure is to be constructed of reinforced concrete. The structure shall be designed to carry the full design load. The design shall be based on the full design load. The design shall be based on the full design load.
 Max. Pay Limits of Granular Matl. Class II is to be in Place in Pier #1.
 CIR denotes Crown of Roadway.
 The vertical pay limits of temporary steel sheet piling are the top of retained earth and the bottom of footing. The lateral pay limits are as required and determined by the Engineer.
 Structural Steel shall be ASTM A-588.

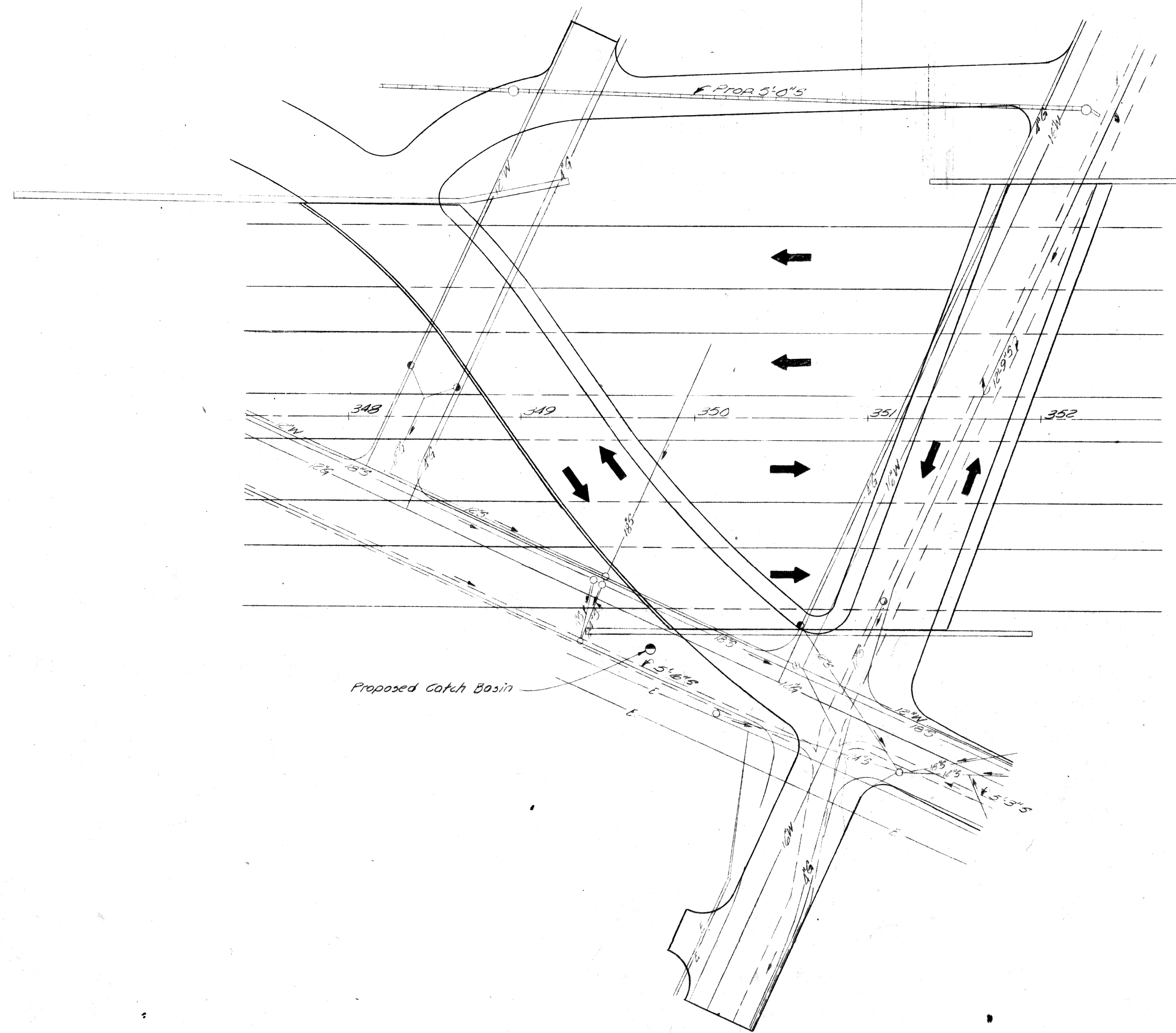
PRELIMINARY PLAN A DATE 9-15-69

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

JOB NO
PW 990(IH)

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

SI3 of 82123D



SITUATION PLAN
Scale: 1"=40'

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.

PRELIMINARY PLAN A' DATE 9-15-69

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

EXISTING UTILITIES AND PROPOSED ALTERATIONS

REVISIONS			
NO	DESCRIPTION	DATE	BY

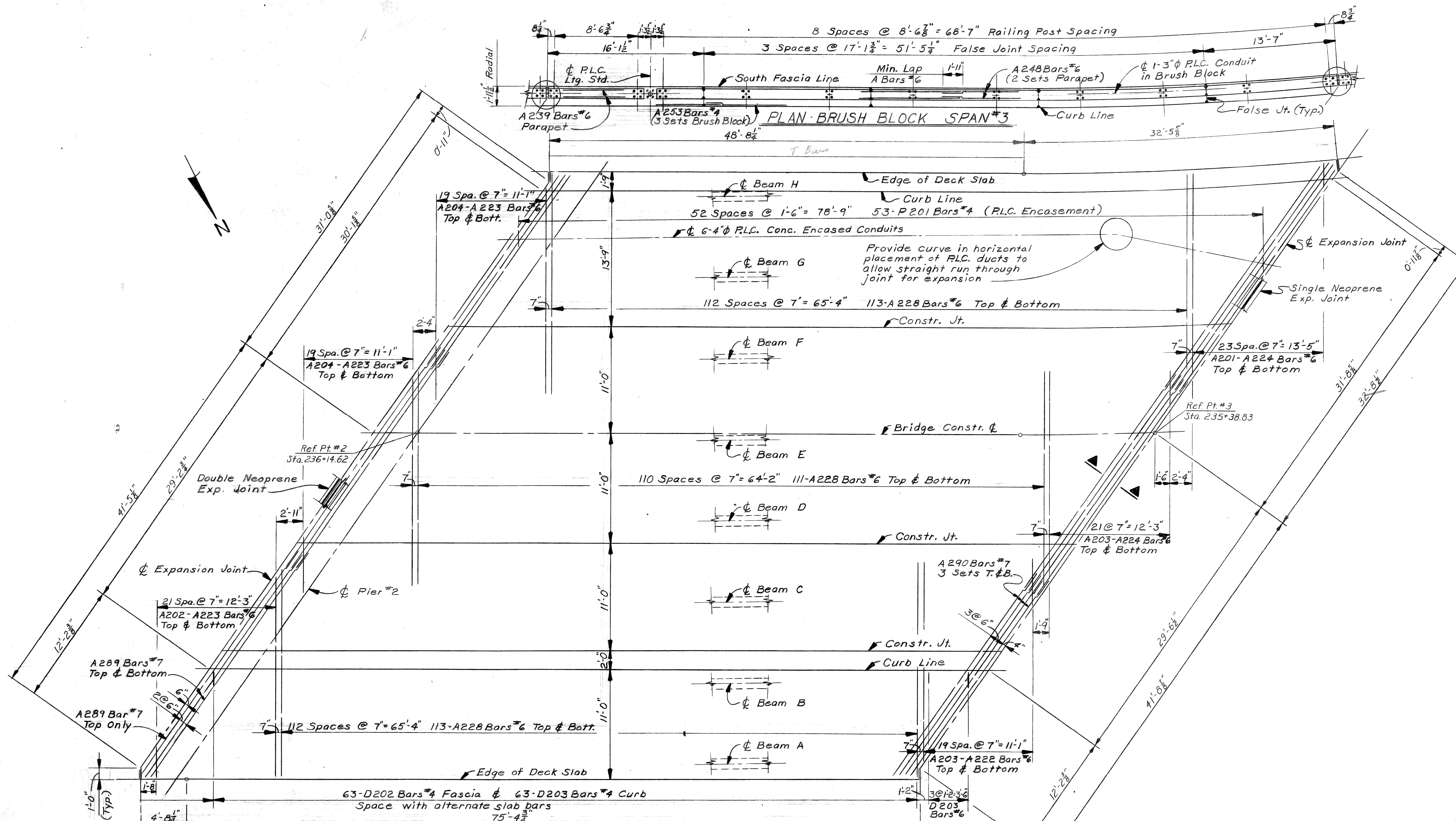
SQUAD BOSS	Locher	9-69
DRAWN BY	Heit	8-69
TRACED BY		
CHECKED BY	S. YFS	9-69
SHEET 4 OF 7		

S13 of 82123D

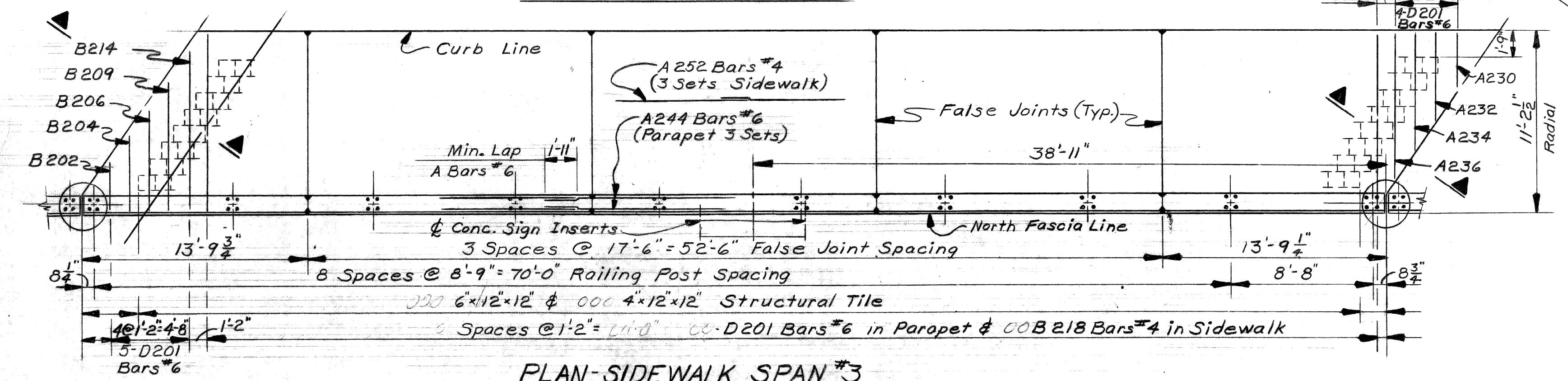
PLANS PREPARED BY
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEER
BUREAU OF HIGHWAYS AND EXPRESSWAYS

APPROVED _____
STRUCTURAL ENGINEER

JOB No.
PW 990



PLAN-DECK SPAN #3



PLAN-SIDEWALK SPAN #3

MICHIGAN DEPARTMENT OF STATE HIGHWAYS

SUPERSTRUCTURE DETAILS

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 (16)

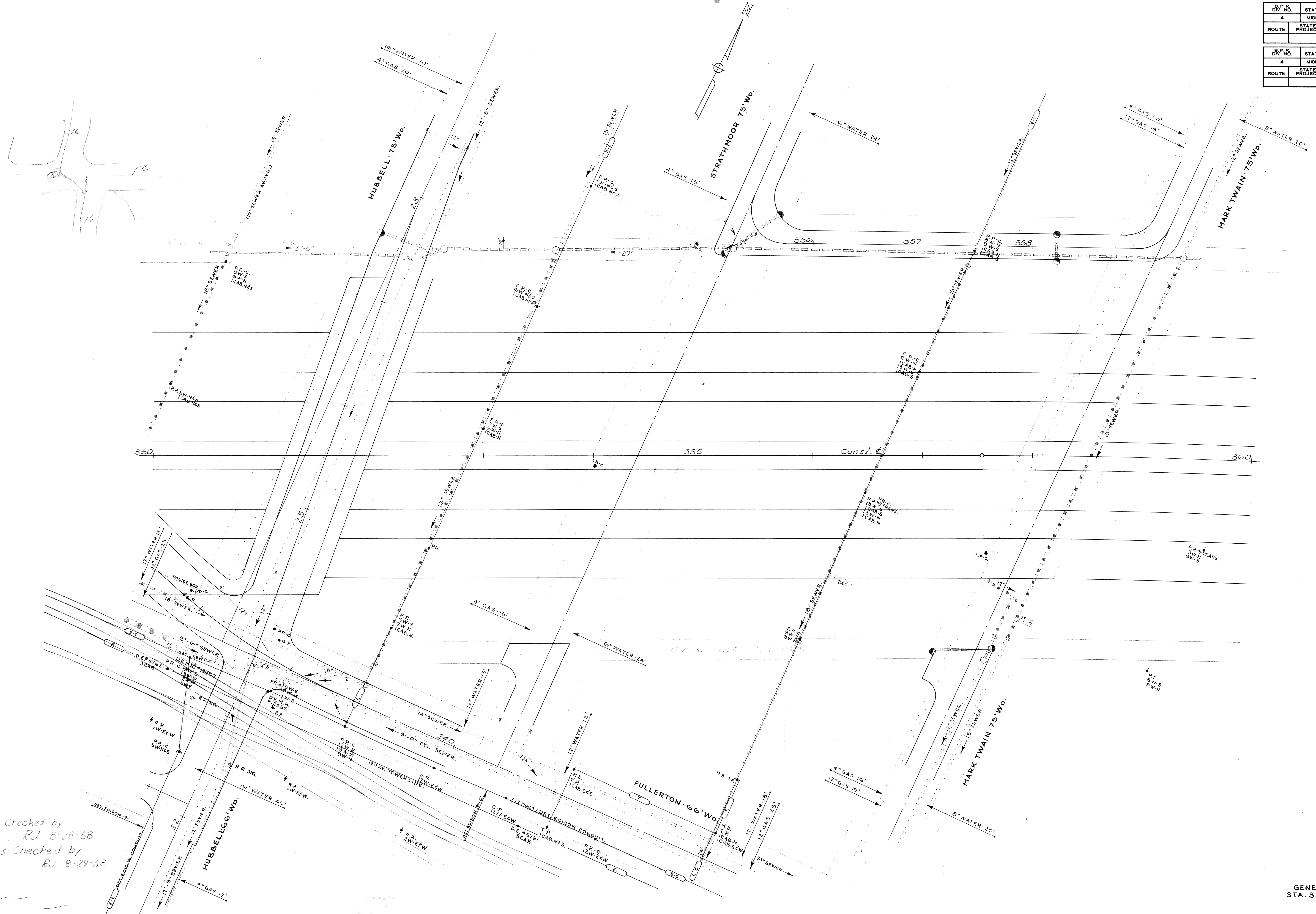
REVISIONS			
NO.	DESCRIPTION	DATE	BY

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

S13 of 82123D

Road Squad - Roush
GUYARD P. E. P. 6-24-48

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



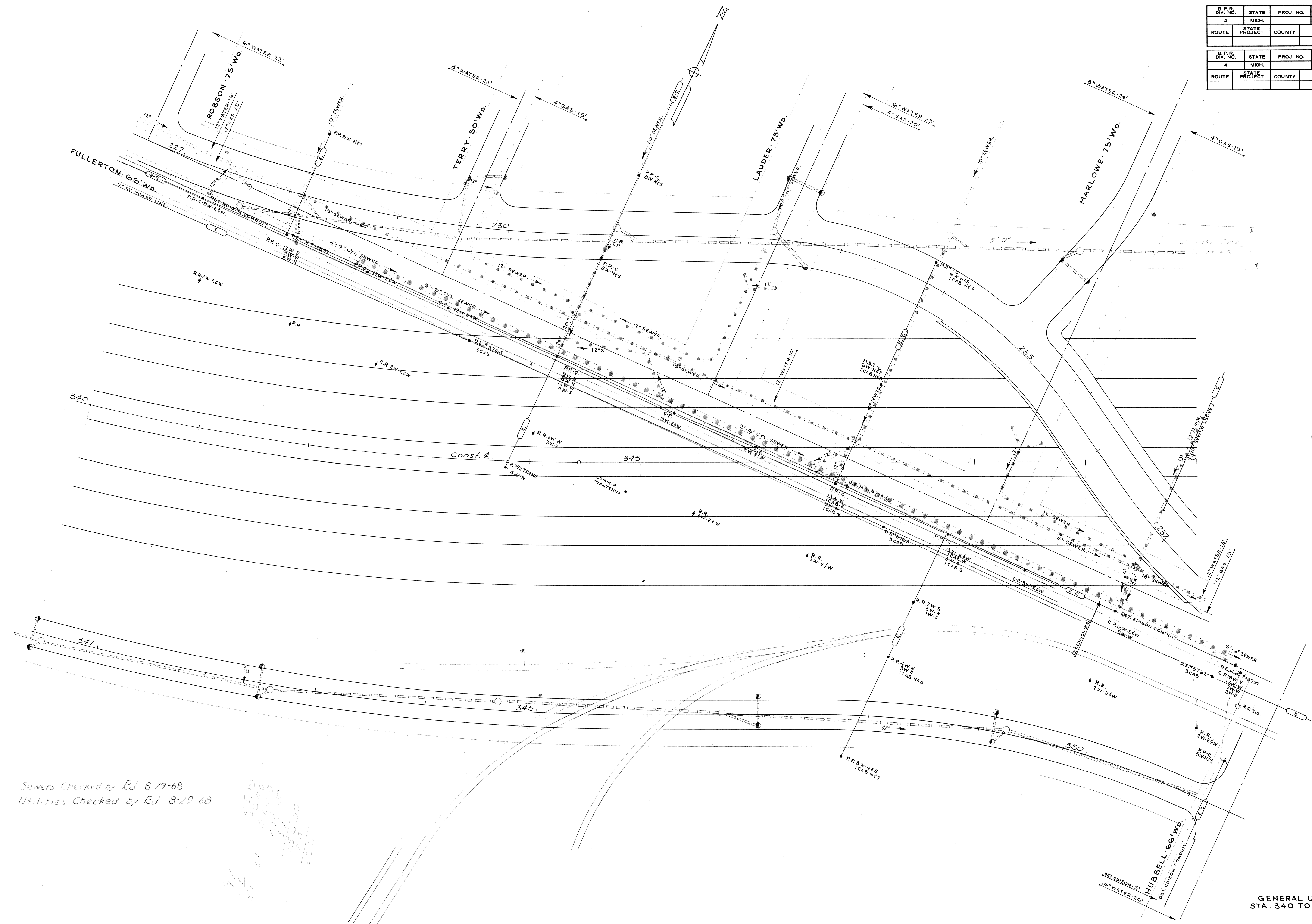
Sewers Checked by RJ 8-28-68
 Utilities Checked by RJ 8-29-68

GENERAL UTILITIES
 STA. 350 TO STA. 360

Road Squad - Roush
SQUAD R. E. ROUSH

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

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



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

Handwritten notes and calculations:

357
300
157
151
51

357
300
157
151
51

GENERAL UTILITIES
STA. 340 TO STA. 350

SQUAD R. E. ROUSH

Const. & Curve Data.
 $\Delta = 25^{\circ}47'36''$ Lt.
 $D = 3^{\circ}00'$
 $R = 1909.86$
 $T = 437.30$
 $L = 859.78$
 $E = 49.42$
 $PC = 335+84.78$
 $PI = 340+21.58$
 $PT = 344+44.06$
 $Super = 0.04114$

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.
 $D = 5^{\circ}40'00''$
 $R = 1011.10$
 $T = 206.85$
 $L = 408.06$
 $E = 20.94$
 $PC = 229+48.45$
 $PI = 228+55.30$
 $PT = 230+56.51$

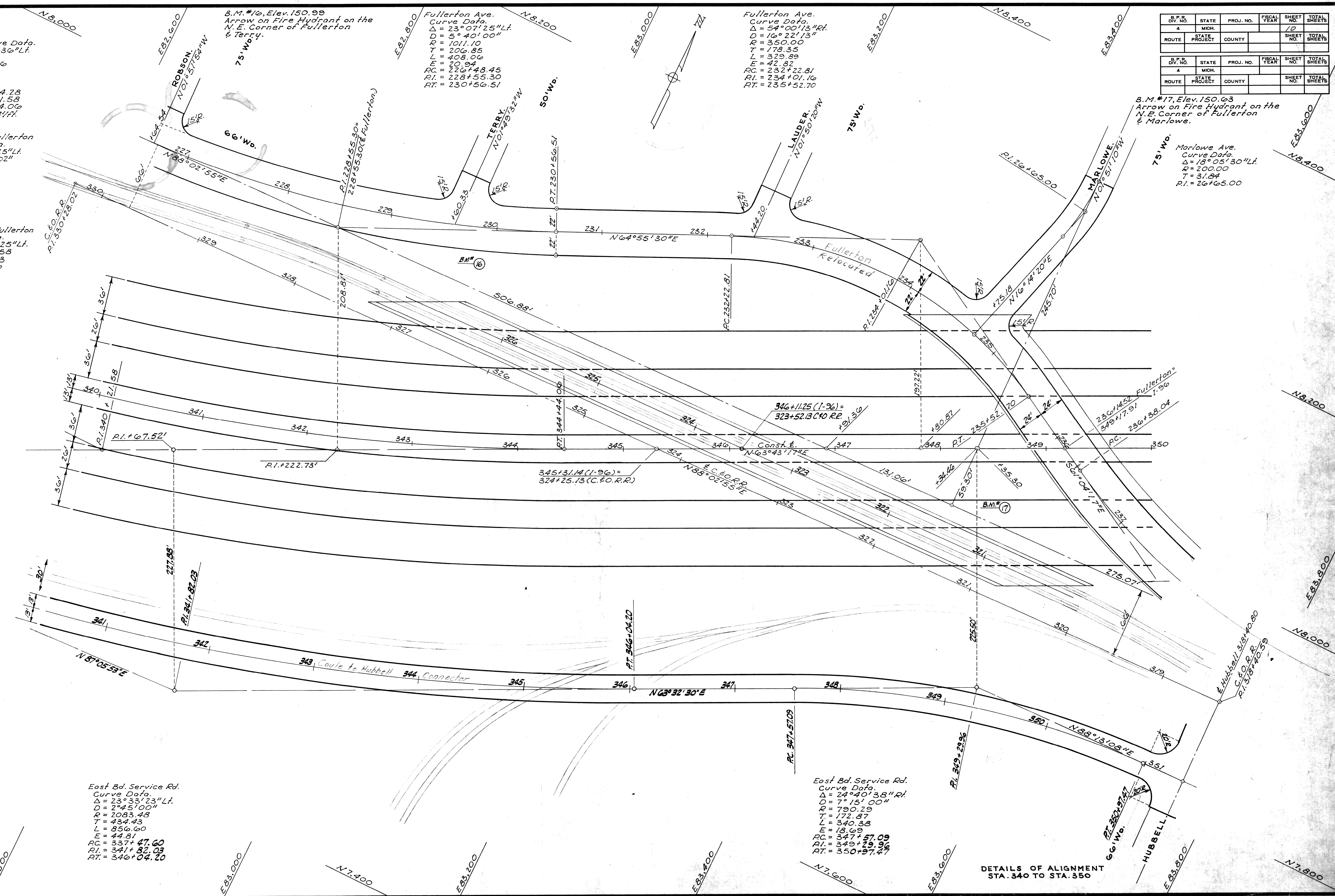
Fullerton Ave.
 Curve Data.
 $\Delta = 54^{\circ}00'13''$ Rt.
 $D = 16^{\circ}22'13''$
 $R = 350.00$
 $T = 178.35$
 $L = 329.89$
 $E = 42.62$
 $PC = 232+22.81$
 $PI = 234+01.16$
 $PT = 235+52.70$

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.
 $D = 2^{\circ}00'00''$
 $R = 200.00$
 $T = 31.84$
 $PI = 26+65.00$

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



East Bd. Service Rd.
 Curve Data.
 $\Delta = 23^{\circ}33'23''$ Lt.
 $D = 2^{\circ}45'00''$
 $R = 2083.48$
 $T = 434.43$
 $L = 856.00$
 $E = 44.81$
 $PC = 337+47.60$
 $PI = 341+82.03$
 $PT = 346+04.20$

East Bd. Service Rd.
 Curve Data.
 $\Delta = 24^{\circ}40'38''$ Rt.
 $D = 7^{\circ}15'00''$
 $R = 790.29$
 $T = 172.87$
 $L = 340.38$
 $E = 18.69$
 $PC = 347+57.09$
 $PI = 349+29.96$
 $PT = 350+97.47$

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.

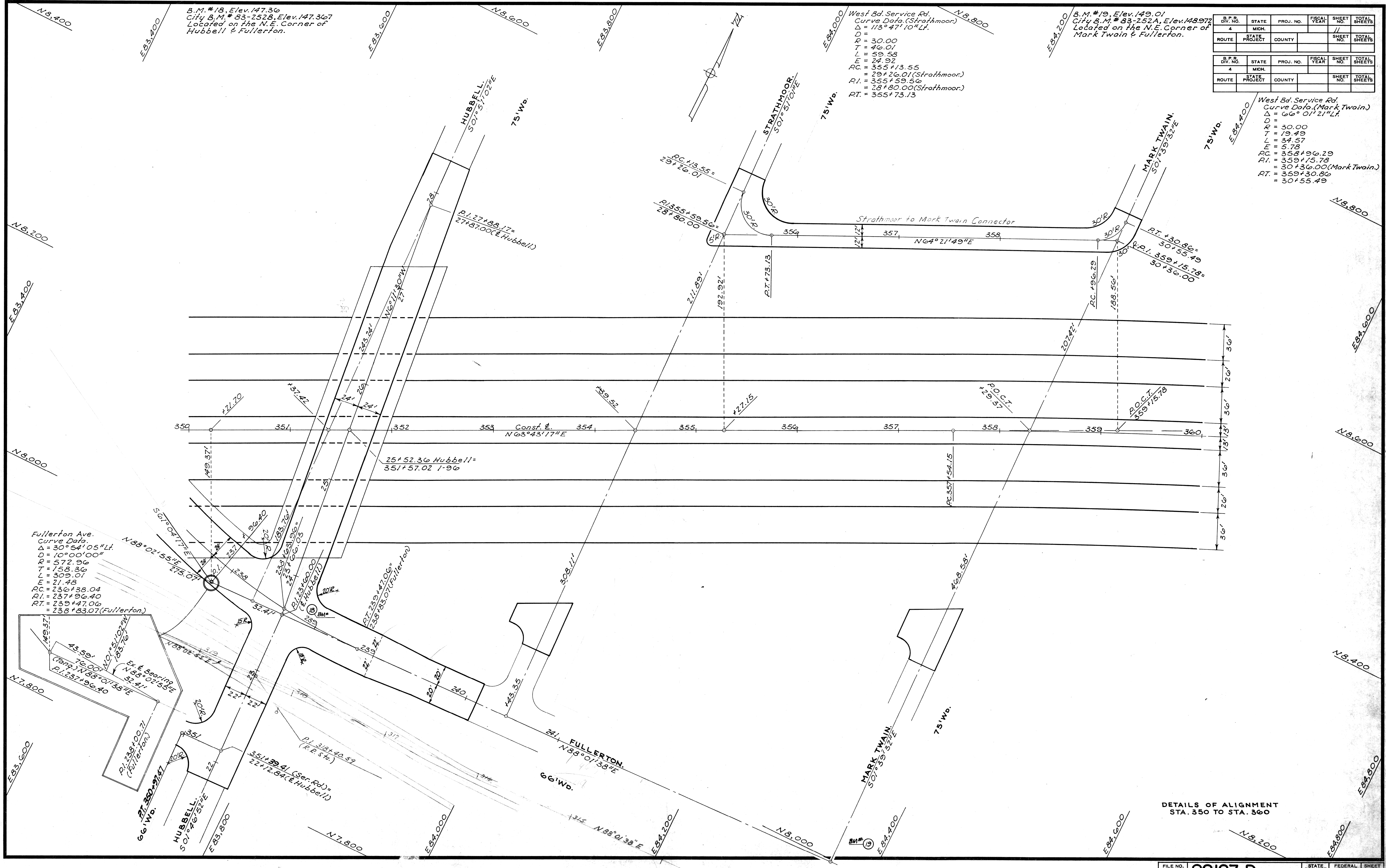
West Bd. Service Rd.
Curve Data (Strathmoor)
 $\Delta = 113^\circ 47' 10''$ Lt.
D = 30.00
T = 46.01
L = 59.58
E = 24.92
RC = 355+13.55
R.I. = 29+20.01 (Strathmoor)
= 28+80.00 (Strathmoor)
RT = 355+73.13

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. No.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.			11	
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

B.P. No.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.			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

Guetsch

PIERSON

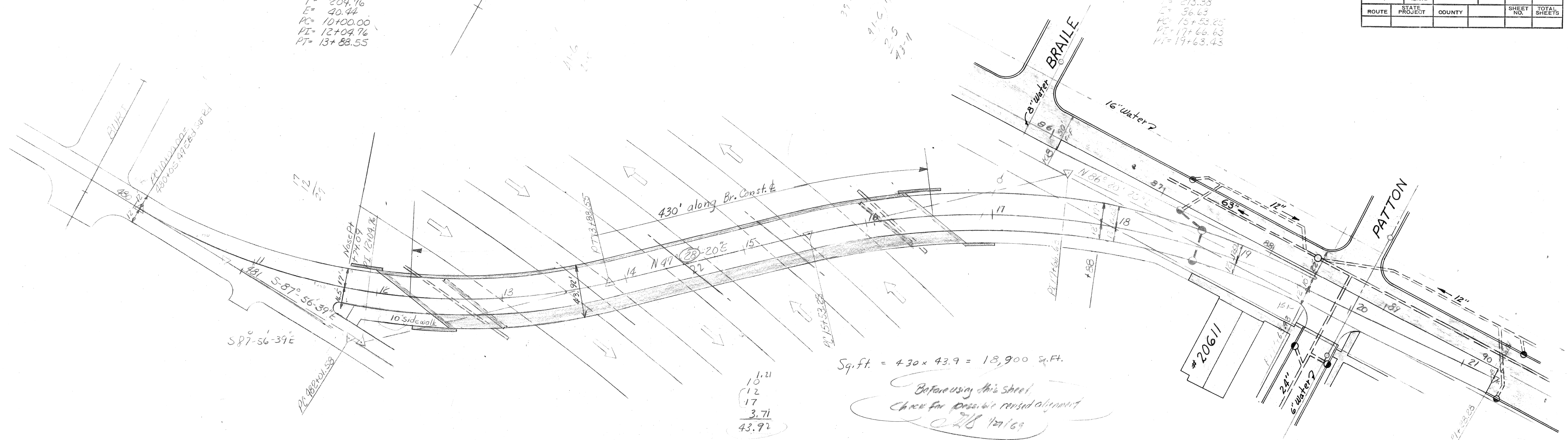
E 8d Service Rd
 Curve #8
 $\Delta = 44^\circ 41' 01''$ LT
 $D = 11^\circ 30' 00''$
 $R = 498.22$
 $L = 388.55$
 $T = 204.76$
 $E = 40.44$
 $PC = 10+00.00$
 $PI = 12+04.76$
 $PT = 13+88.55$

Final Station
 #9
 $\Delta = 38^\circ 58' 00''$
 $D = 7^\circ 30' 00''$
 $R = 603.11$
 $L = 410.15$
 $T = 213.55$
 $E = 36.63$
 $PC = 15+53.25$
 $PI = 17+66.63$
 $PT = 19+63.43$

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

OPERATION	DATE	REVISION	FINAL R.O.W.
PRELIMINARY R.O.W. CHECKED			
FINAL DESIGN CHECKED			
TRACED			
FINAL R.O.W. CHECK			
QUANTITIES			
ADJUSTMENTS CHECKED			
BOUND			

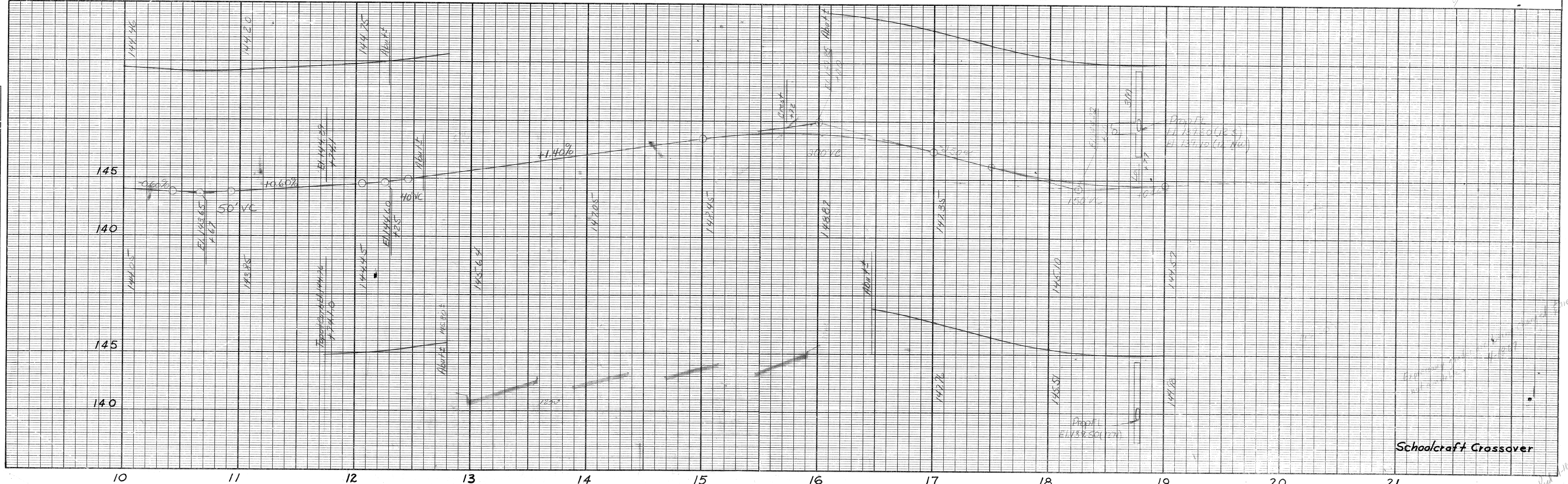
OPERATION	DATE
PRELIMINARY R.O.W. CHECKED	
FINAL DESIGN CHECKED	
TRACED	
FINAL R.O.W. CHECK	
QUANTITIES	
ADJUSTMENTS CHECKED	
BOUND	



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

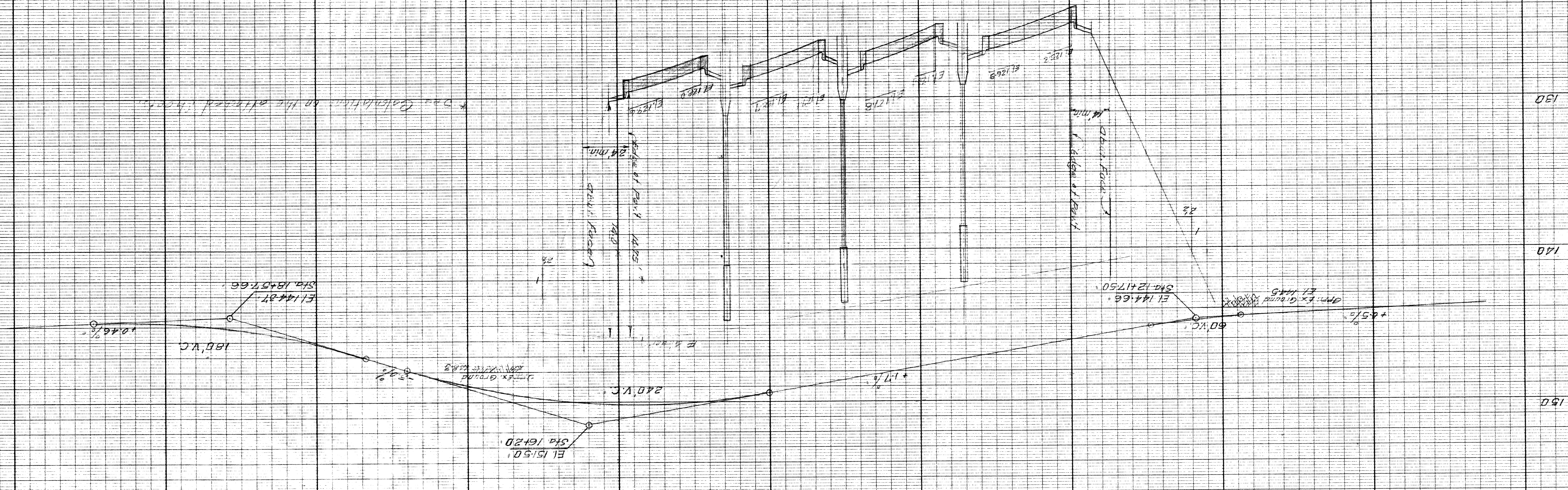
Before using this sheet
 Check for possible revised alignment
 2/18/69

- 10.11
- 12
- 17
- 3.71
- 43.92

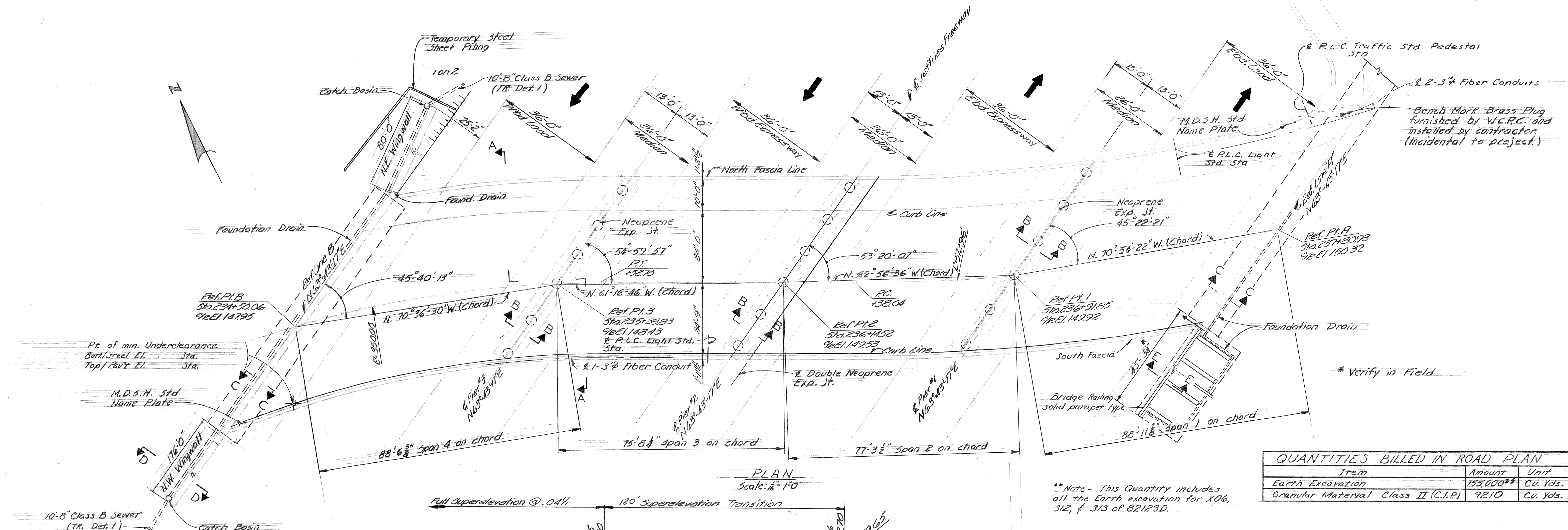


Schoolcraft Crossover
P. A. GORRAN

10 11 12 13 14 15 16 17 18 19 20



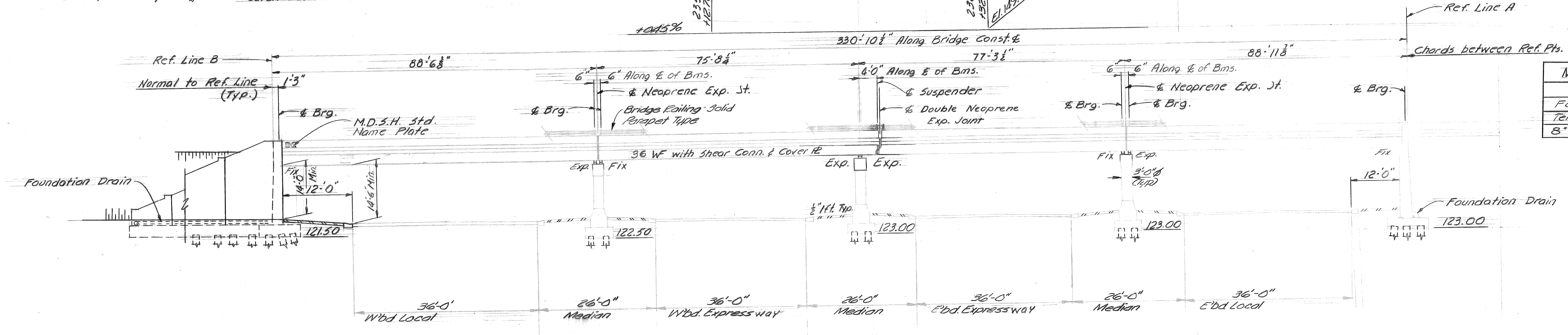
* D.M. Calculations for the attached sheets



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

** Note - This Quantity includes all the Earth excavation for 106, 312, & 313 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.



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

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: Locher 9-69
DRAWN BY: Hartleb 7-69
CHECKED BY: D. Rowes 9-69
SHEET 5 OF 36

APPROVED: _____
SUPERVISOR - DESIGN

APPROVED: _____
ENGINEER - DESIGN SECTION I

S13 of 82123D

* Verify in Field

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

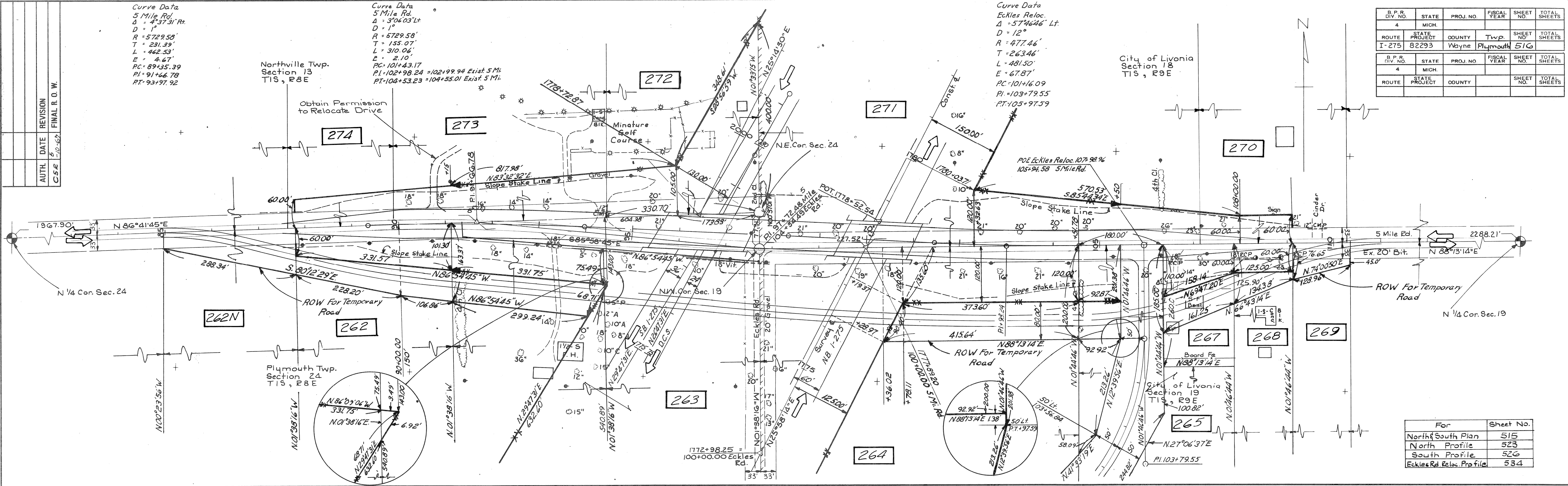
Curve Data
 5 Mile Rd.
 $\Delta = 3^{\circ}04'03''$ Lt
 $D = 1^{\circ}$
 $R = 5729.58'$
 $T = 231.39'$
 $L = 442.53'$
 $E = 4.67'$
 $PC = 89+35.39$
 $PI = 91+46.79$
 $PT = 93+97.92$

Curve Data
 5 Mile Rd.
 $\Delta = 3^{\circ}04'03''$ Lt
 $D = 1^{\circ}$
 $R = 5729.58'$
 $T = 155.07'$
 $L = 310.06'$
 $E = 2.10'$
 $PC = 101+43.17$
 $PI = 102+98.24 = 102+99.94$ Exist. 5 Mi.
 $PT = 104+53.23 = 104+55.01$ Exist. 5 Mi.

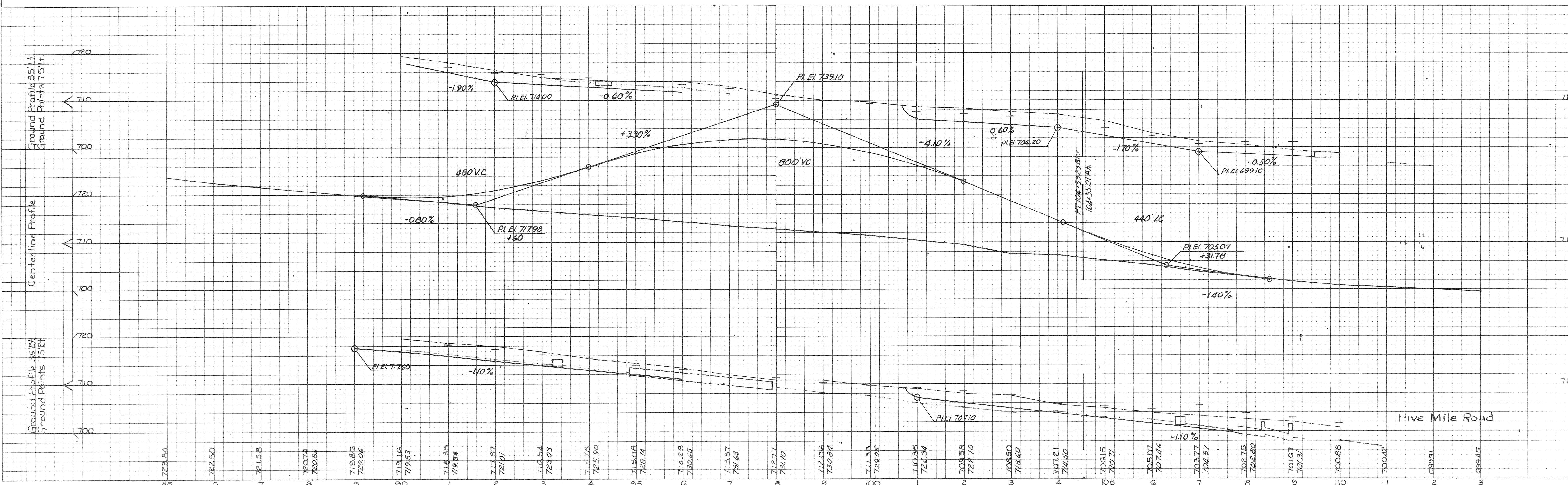
Curve Data
 Eckles Reloc.
 $\Delta = 57^{\circ}44'46''$ Lt
 $D = 12^{\circ}$
 $R = 477.46'$
 $T = 263.46'$
 $L = 481.50'$
 $E = 67.87'$
 $PC = 101+46.09$
 $PI = 103+79.55$
 $PT = 105+97.59$

S.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY	Twp.	SHEET NO.	TOTAL SHEETS
I-275	82293	Wayne	Plymouth	516	

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



For	Sheet No.
North/South Plan	515
North Profile	523
South Profile	526
Eckles Rd. Reloc. Profile	534



PRELIMINARY R.O.W. CHECKED
 FINAL DESIGN R.O.W. CHECKED
 TRAGED
 FINAL R.O.W. CHECK
 QUANTITIES CHECKED
 SQUAD

SURVEYED
 PLAN PLOTTED
 PROFILE PLOTTED
 PROFILE CHECKED
 PRELIMINARY GRADE
 GENERAL INSPECTION

AUTH. DATE REVISION
 CSE 12-06-06 FINAL R.O.W.

6-65
 P. Austin
 P. Austin
 J. Espartero