

ROUTE	82251	FEDERAL NO.	I-75-1(32)-52	SHEET NO.	1	TOTAL SHEETS	1
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THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN STATE HIGHWAY DEPARTMENT CURRENT STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS.

MICHIGAN
STATE HIGHWAY DEPARTMENT
JOHN C. MACKIE
 STATE HIGHWAY COMMISSIONER

PLANS OF PROPOSED

MICHIGAN PROJECT EI-75-1(32)-52
CONTROL SECTION EBI 82251 C10 & C11 UN 30204, EBI 82251 C12 & C13 UN 30205
THE WALTER P. CHRYSLER EXPRESSWAY

WAYNE COUNTY
 CITY OF DETROIT

INDEX OF SHEETS

ROADWAYS AND MISCELLANEOUS

- 1 TITLE SHEET
- 2-9 TYPICAL CROSS SECTIONS
- 10 NOTES AND SPECIAL PROVISIONS
- 11 SURFACING PLAN
- 12-14 DETAILS OF EXPRESSWAY ALIGNMENT
- 15 LOG OF BORINGS
- 16-18 REMOVAL ITEMS
- 19-24 PLAN AND PROFILE - EXPRESSWAY
- 25-26 PLAN AND PROFILE - RAMP
- 27-29 PLAN AND PROFILE - WEST SERVICE DRIVE
- 30-32 PLAN AND PROFILE - EAST SERVICE DRIVE
- 33 PLAN AND PROFILE - WARREN AVE. DETOUR
- 34-38 DETAILED GRADES-RAMP
- 39-40 DETAILED GRADES-TURNING ROADWAY
- 41-46 DETAILED GRADES-BRIDGE APPROACHES
- 47-52 SPECIAL DETAILS
- 53-55 GENERAL UTILITY DRAWINGS

ALTERATIONS TO CITY SEWERS

- 56-58 SEWER RELOCATIONS-EAST SERVICE DRIVE
- 59 3.6" SEWER CROSSING AT ALLEY SOUTH OF WARREN
- 60-62 SEWER RELOCATIONS-WEST SERVICE DRIVE
- 63-64 SEWER ALTERATIONS AT CANFIELD
- 65-66 SPECIAL DETAILS

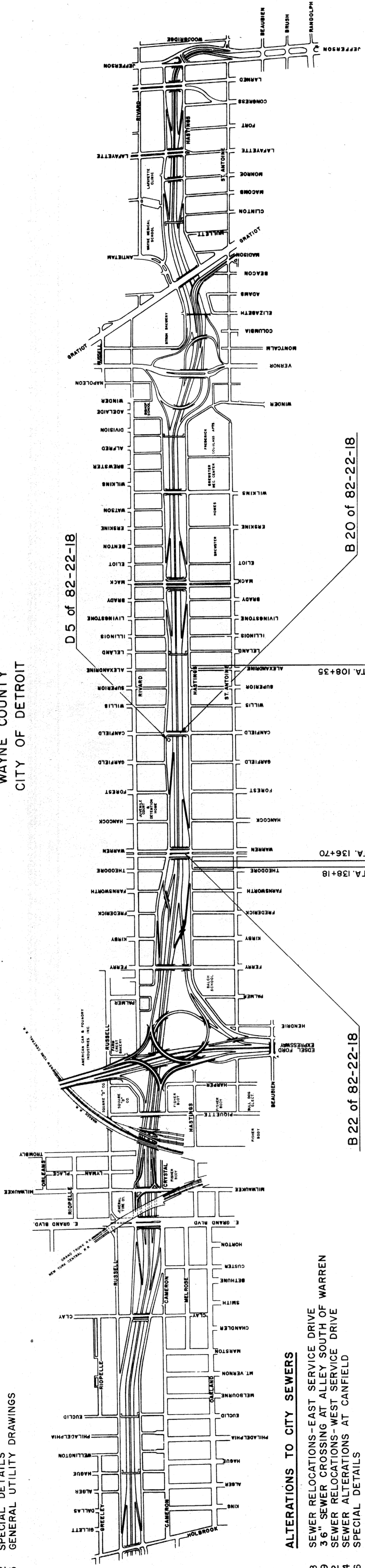
ALTERATIONS TO WATER MAINS

- 67 GENERAL PLAN
- 68-72 WATER ALTERATIONS-WEST SIDE OF EXPRESSWAY
- 73-78 WATER ALTERATIONS-EAST SIDE OF EXPRESSWAY
- 79 WATER ALTERATIONS-MISCELLANEOUS
- 80-84 30" WATER MAIN CROSSING AT ALEXANDRINE
- 85-90 42" WATER MAIN CROSSING AT CANFIELD
- 91-97 48" WATER MAIN CROSSING AT HANCOCK
- 98 WATER ALTERATIONS-MISCELLANEOUS
- 99-100 DETAILS OF CONE VALVE WELLS
- 101-102 MISCELLANEOUS DETAILS

ALTERATIONS TO PUBLIC LIGHTING

- 103-107 GENERAL PLAN OF UNDERGROUND CONDUIT
- 108 OVERHEAD LINES- WARREN AVE. DETOUR
- 109 WIRING DIAGRAMS
- 110 OVERHEAD LINES- ALEXANDRINE TO WARREN
- 111 TRAFFIC SIGNALS- CANFIELD BRIDGE
- 112-113 TRAFFIC SIGNALS- WARREN BRIDGE
- 114 CABLE DIAGRAM- ALEXANDRINE TO WARREN
- 115-135 P.L.C. STANDARDS AND SPECIAL DETAILS
- 136-144 QUANTITY SHEETS

FOR INDEX OF PLANS OF B 20, B 22, AND D 5 OF 82-22-18 SEE SHEET NO. 202



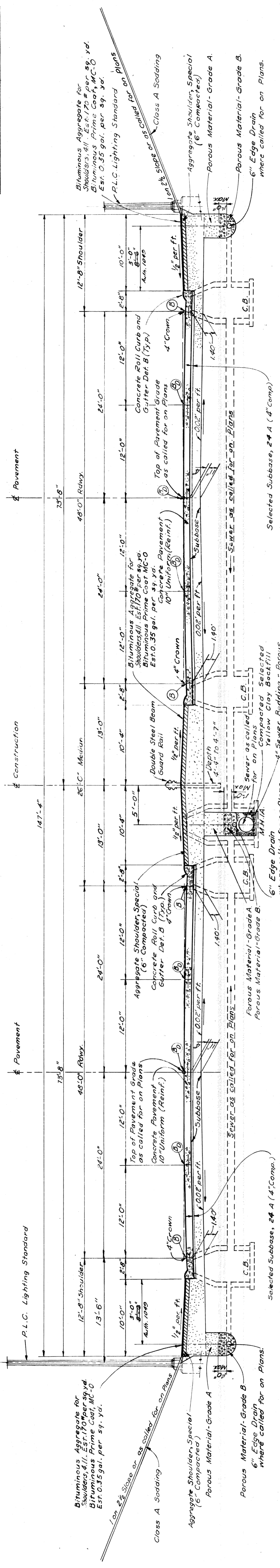
ITEM NO. 363
 CONTRACT FOR G & DS PAVING & UTILITY ALTERATIONS

DIVISION APPROVAL	
CHECKED	ENGINEER OF DESIGN-CONSULTANTS
RECOMMENDED FOR APPROVAL	DATE
TRAFFIC ENGINEER	DATE
RECOMMENDED FOR APPROVAL	DATE
ENGINEER OF BRIDGE AND ROAD DESIGN	DATE
OFFICES OF DESIGN AND CONSTRUCTION	
APPROVED	CONSTRUCTION ENGINEER
APPROVED	DATE
APPROVED	CHIEF DESIGN ENGINEER
APPROVED	DATE
STATE HIGHWAY DEPARTMENT APPROVAL	
APPROVED	JOHN C. MACKIE
APPROVED	STATE HIGHWAY COMMISSIONER
BY	DIRECTOR OF ENGINEERING-CHIEF ENGINEER
APPROVED	DATE
PLANS PREPARED BY	
CITY OF DETROIT	
DEPARTMENT OF PUBLIC WORKS	
CITY ENGINEERS OFFICE	
BUREAU OF HIGHWAYS AND EXPRESSWAYS	
APPROVED	ENGINEER OF EXPRESSWAYS
APPROVED	ASSISTANT CITY ENGINEER-HIGHWAYS AND EXPRESSWAYS
APPROVED	CITY ENGINEER
APPROVED	COMMISSIONER OF PUBLIC WORKS AND EXPRESSWAY COORDINATOR
DEPARTMENT OF COMMERCE	
BUREAU OF PUBLIC ROADS	
APPROVED	DIVISION ENGINEER
APPROVED	DATE

PROJECT NO.	82251	FEDERAL PROJECT NO.	I-75-1(32)-52
82251 C10		SHEET NO. 1	

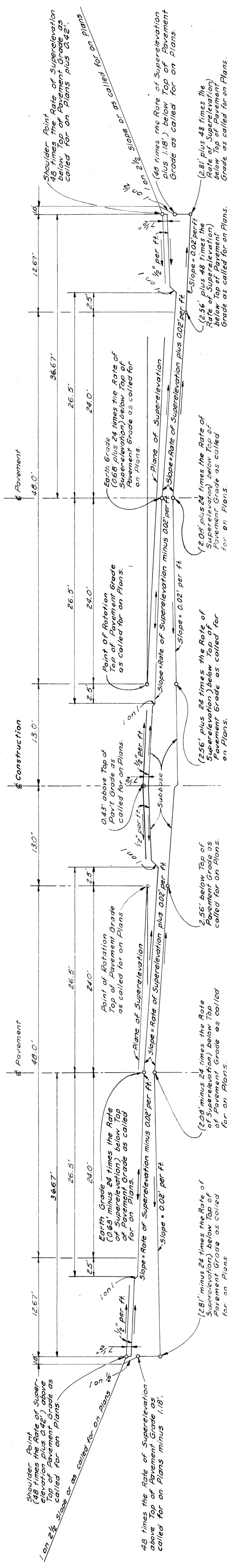
TYPICAL CROSS SECTIONS

B.P. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	MICH.	175/122/22	3	3
ROUTE	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
82251	Wayne	Detroit	3	3

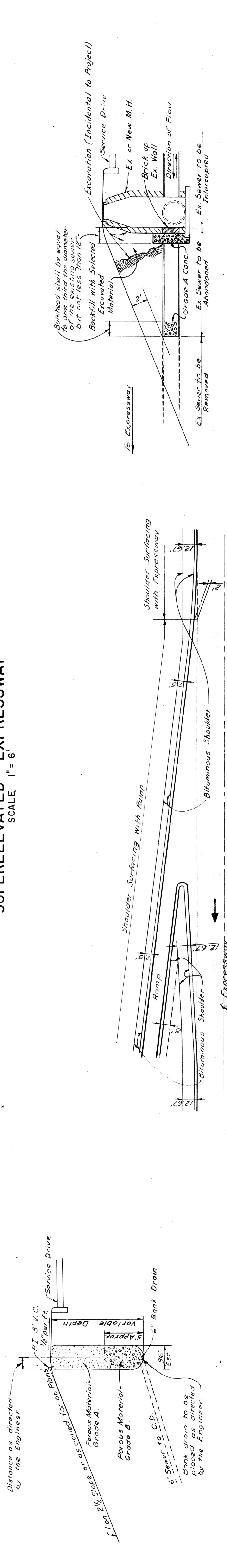


TYPICAL CROSS SECTION OF EXPRESSWAY SHOWING PAVEMENT, SUBBASE AND UNDERDRAINAGE
SCALE 1" = 6'

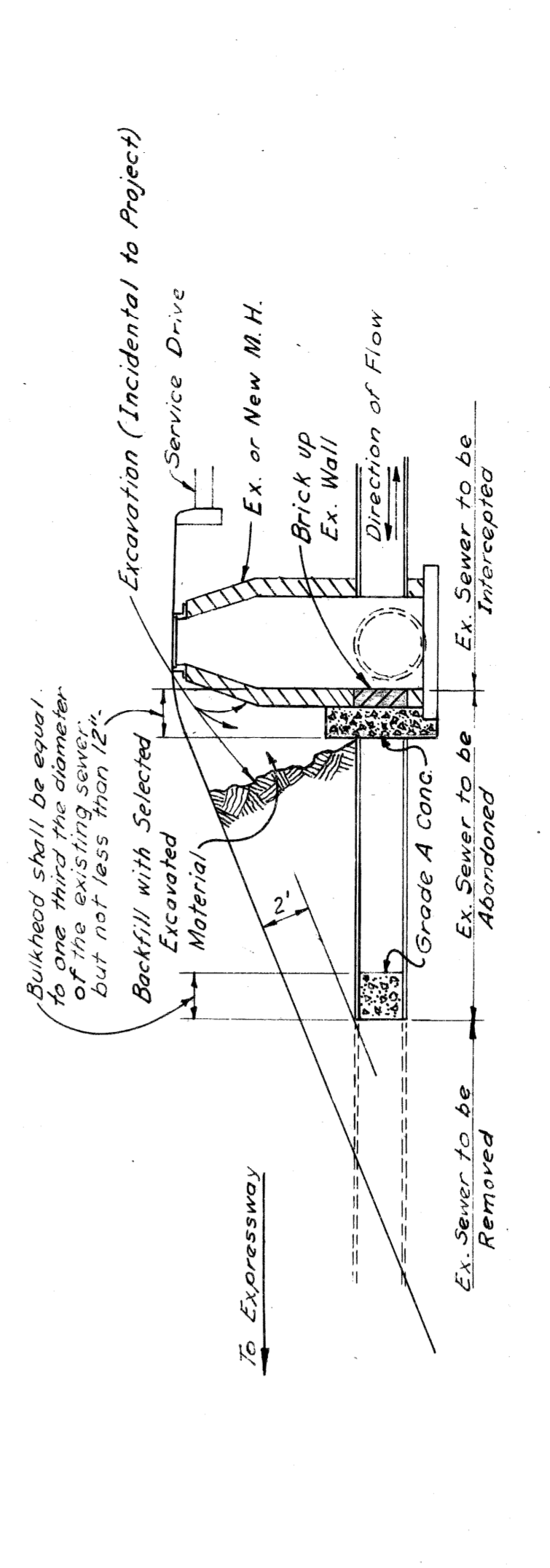
PLANS PREPARED BY
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS AND SURVEYORS
BUREAU OF HIGHWAYS AND EXPRESSWAYS



TYPICAL CROSS SECTION FOR GRADING SUPERELEVATED EXPRESSWAY
SCALE 1" = 6'



SKETCH SHOWING BANK DRAIN USED WHERE DIRECTED BY THE ENGINEER
SCALE 1" = 6'



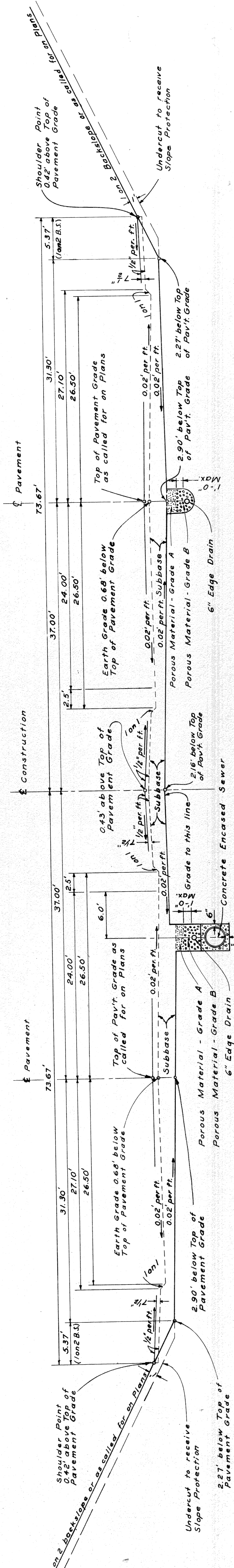
SKETCH SHOWING THE PLACEMENT OF BITUMINOUS AGGREGATE SURFACE COURSE AT RAMPS
SCALE 1" = 40'

48' ROADWAY AND DETAIL EXPRESSWAY SECTIONS

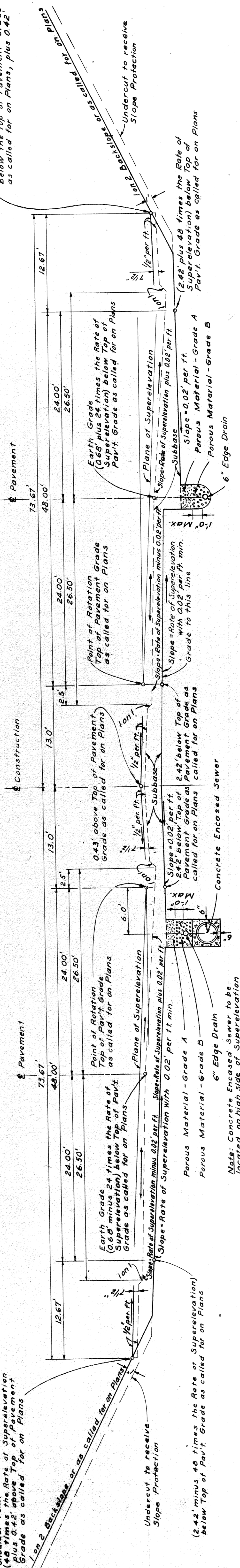
FILE NO.	FEDERAL PROJECT NO.	SHEET NO.
82251	175/122/22	3

STATE	PROJECT	SHEET
MI.	NO. 175/2252	OF 4
CITY	CITY	SHEET
ROUTE	NO.	NO.
22257	175/2252	4

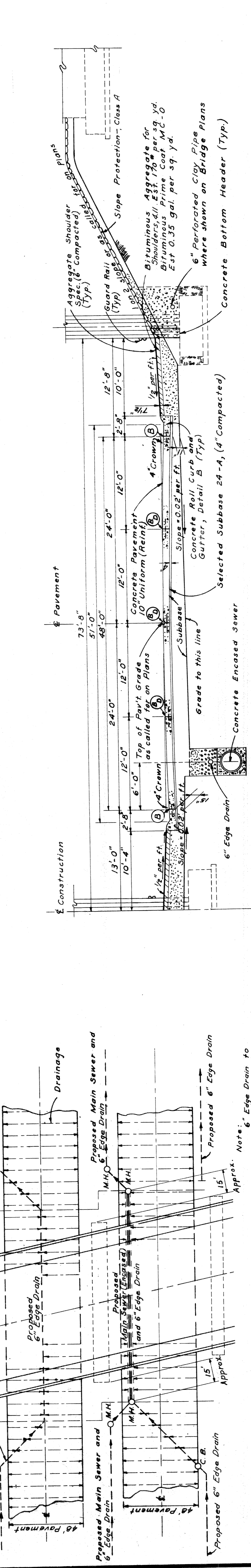
TYPICAL CROSS-SECTIONS



TYPICAL CROSS SECTION FOR GRADING TO APPLY UNDER STRUCTURES
SCALE 1" = 6'



TYPICAL CROSS SECTION FOR GRADING TO APPLY UNDER STRUCTURES ON SUPERELEVATED CURVES
SCALE 1" = 6'

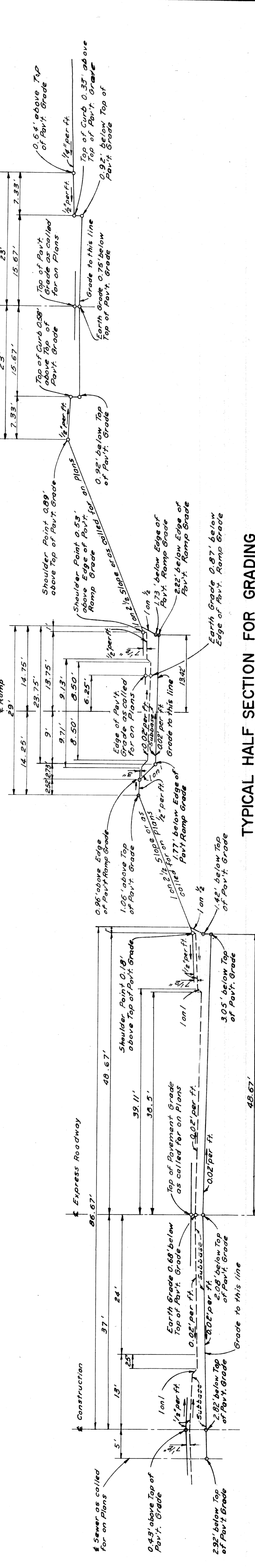
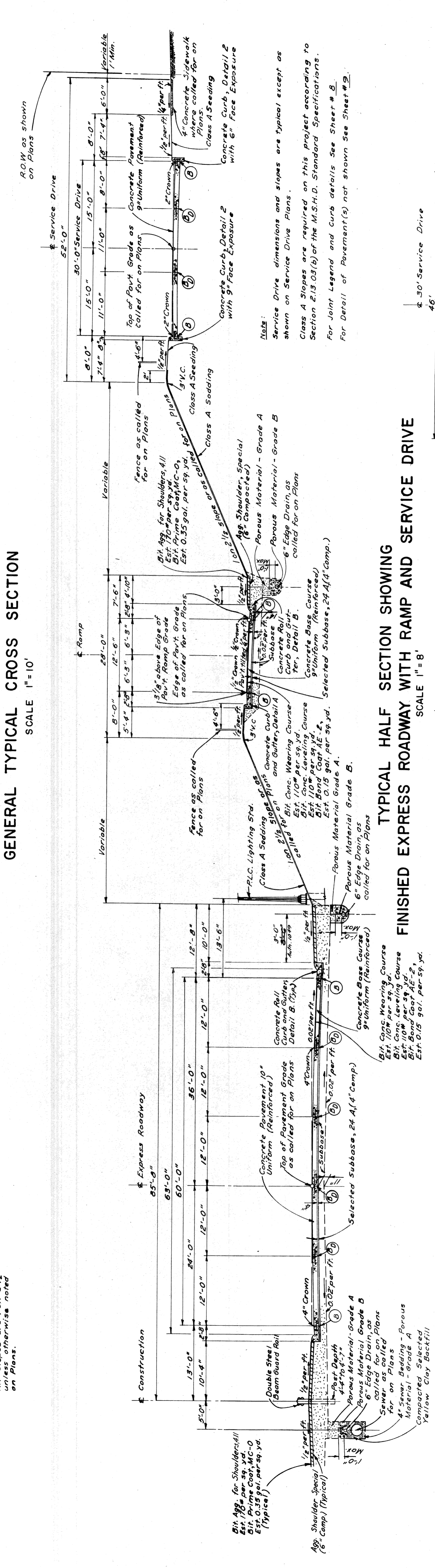
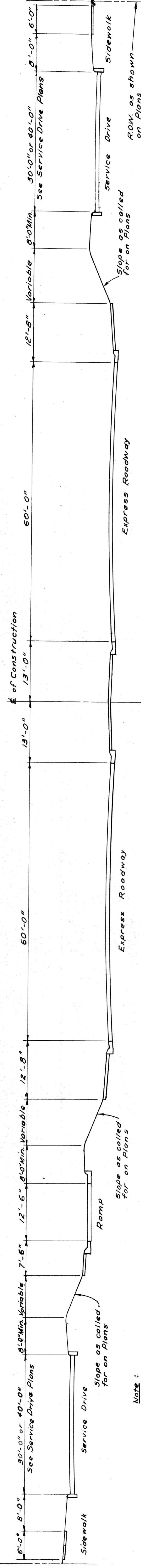


TYPICAL HALF SECTION SHOWING FINISHED EXPRESS ROADWAY TO APPLY UNDER STRUCTURES
SCALE 1" = 6'

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

TYPICAL CROSS-SECTIONS

PROJ. NO.	1721/02/22	SHEET NO.	5
STATE	MI	CITY	Dearborn
COUNTY	Wayne	PROJECT	82251 C10
ROUTE	24227	DESIGNER	2421/22/23
TOTAL SHEETS		5	



60' ROADWAY

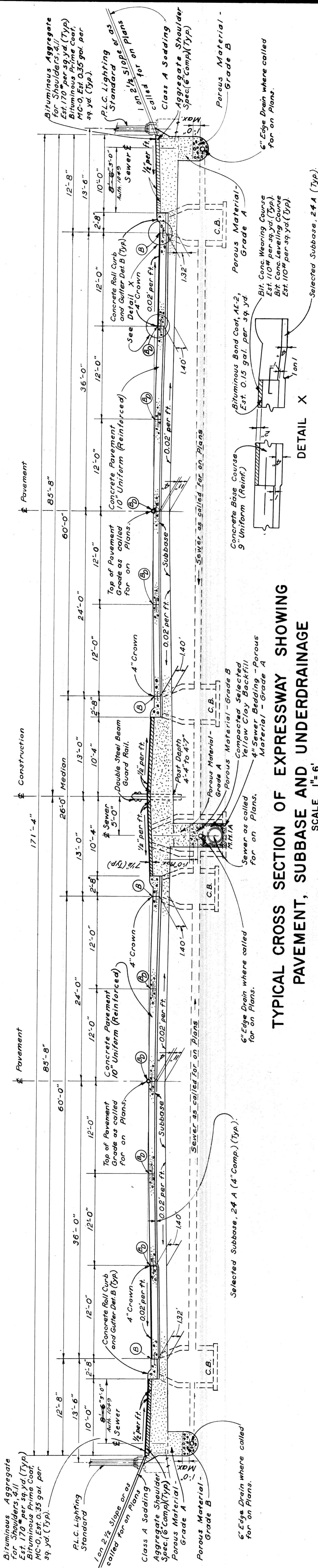
TYPICAL HALF SECTION FOR GRADING EXPRESS ROADWAY WITH RAMP AND SERVICE DRIVE
SCALE 1" = 8'

82251 C10

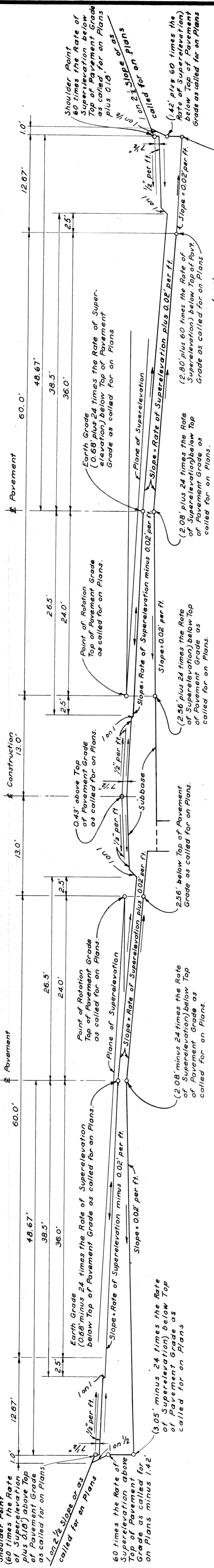
PLANS PREPARED BY
CITY OF DEARBORN
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS AND EXHIBITERS

TYPICAL CROSS-SECTIONS

PROJ. NO.	STATE	YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	1952/1952		
COUNTY	CITY	PROJECT	SHEET NO.	TOTAL SHEETS
Wayne	Detroit			



TYPICAL CROSS SECTION OF EXPRESSWAY SHOWING PAVEMENT, SUBBASE AND UNDERDRAINAGE
SCALE 1" = 6'

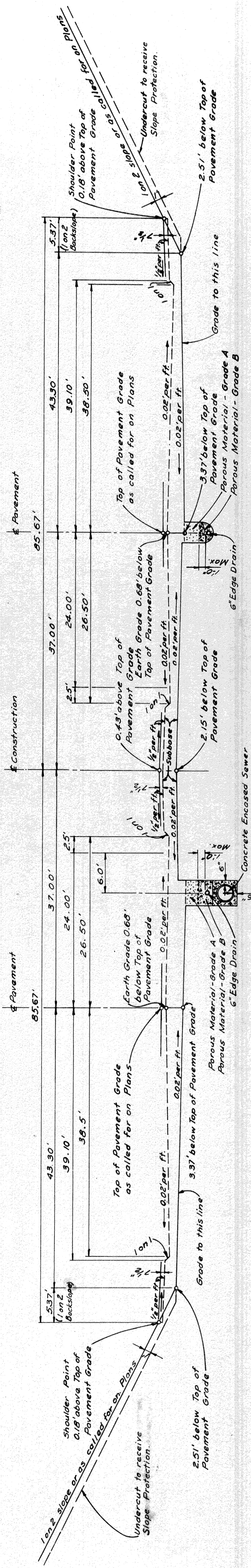


TYPICAL CROSS SECTION FOR GRADING SUPERELEVATED EXPRESSWAY
SCALE 1" = 6'

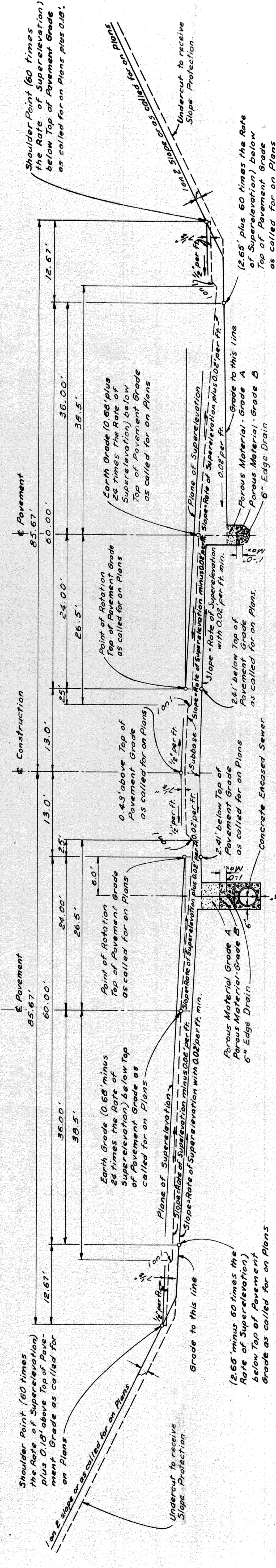
PLANS PREPARED BY
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
BUREAU OF HIGHWAYS AND EXPRESSWAYS

TYPICAL CROSS-SECTIONS

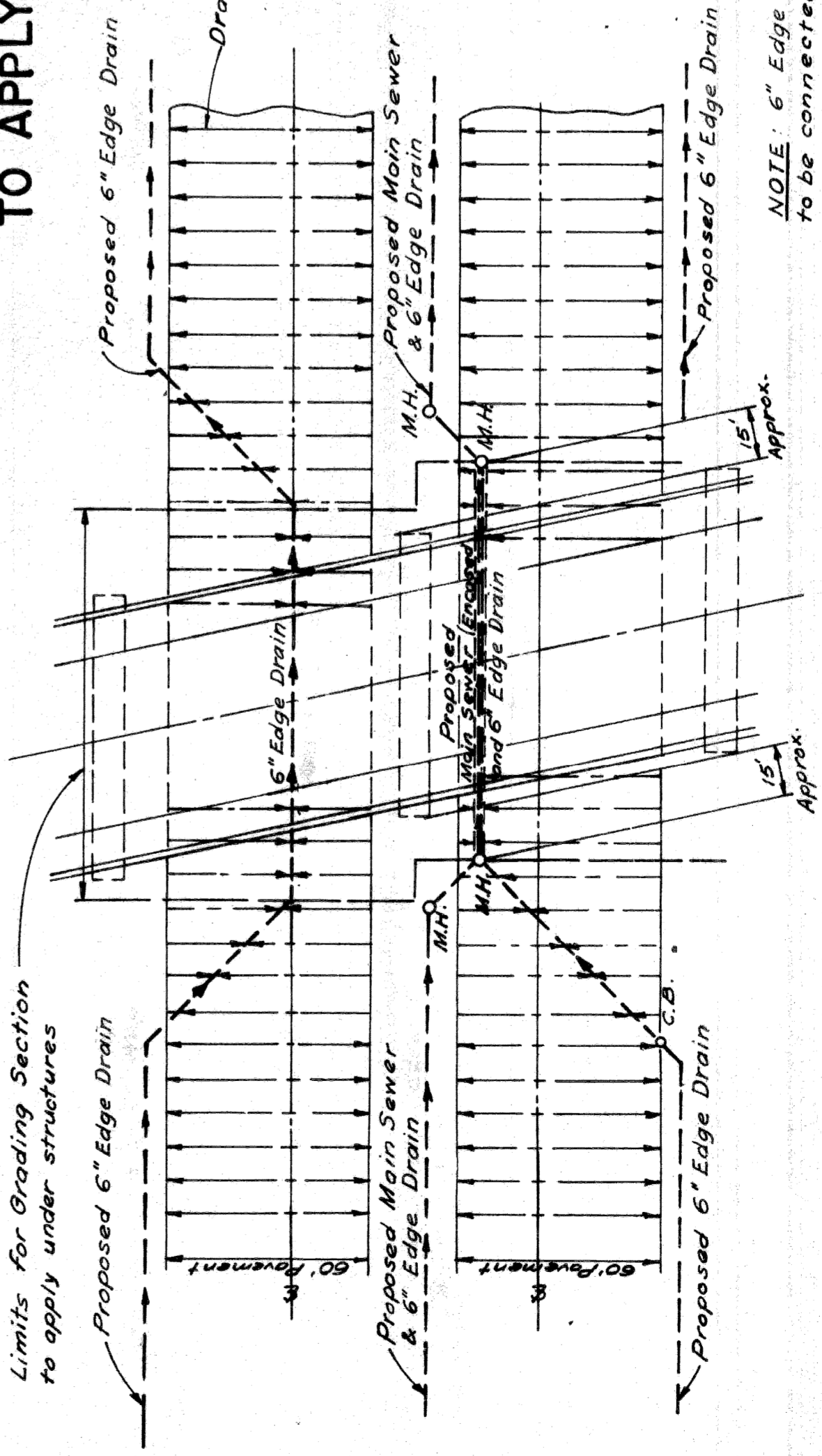
STATE	MI	CITY	Wayne
COUNTY	Wayne	PROJECT	82251 C10
ROUTE	22251	SHEET NO.	7
DATE	12/1/52	TOTAL SHEETS	7



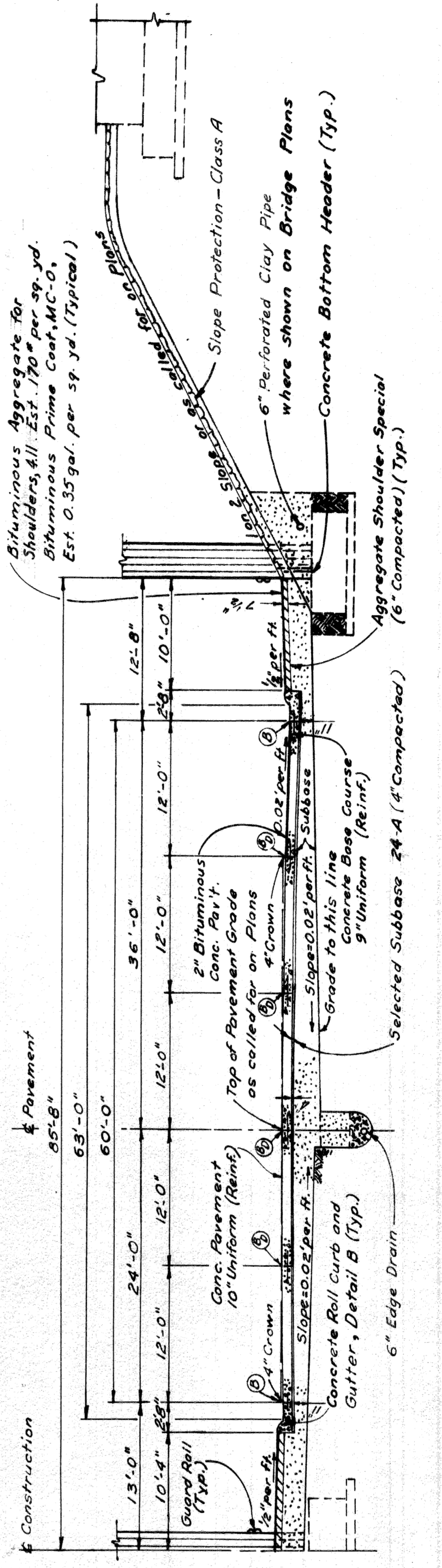
TYPICAL CROSS SECTION FOR GRADING TO APPLY UNDER STRUCTURES
SCALE 1" = 8'



TYPICAL CROSS SECTION FOR GRADING TO APPLY UNDER STRUCTURES ON SUPERELEVATED CURVES
SCALE 1" = 8'



PLAN SHOWING SUBBASE DRAINAGE UNDER STRUCTURES



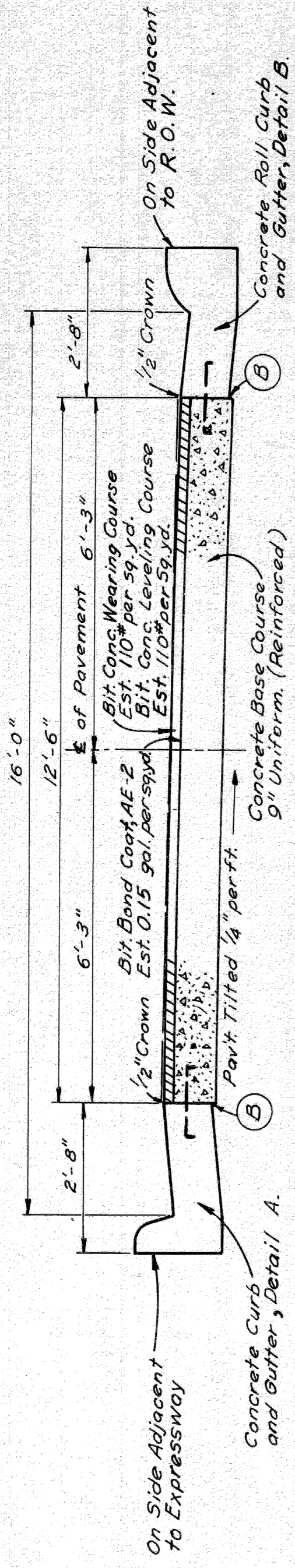
TYPICAL HALF SECTION SHOWING FINISHED EXPRESS ROADWAY TO APPLY UNDER STRUCTURES
SCALE 1" = 8'

60' ROADWAY

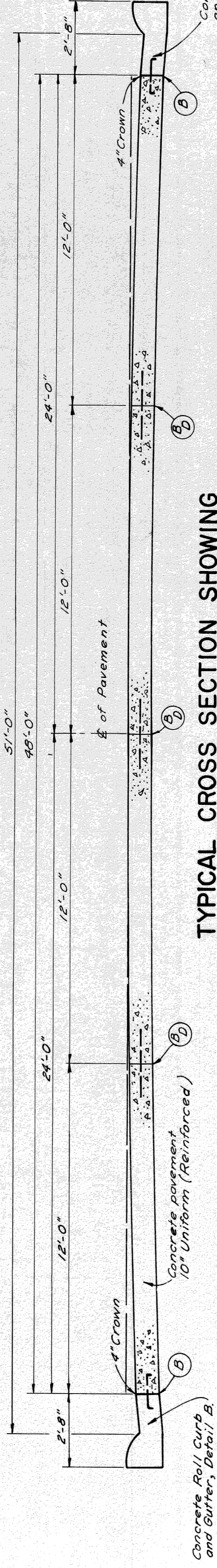
FILE NO.	82251 C10
PROJECT	82251 C10
SHEET	7

TYPICAL CROSS-SECTIONS

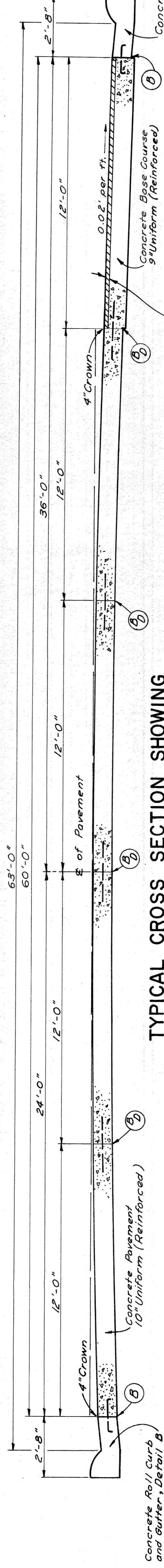
STATE	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
MI.	729/12252			
COUNTY	City			
ROUTE	82251	Detroit		
STATE	PROJ. NO. <td>YEAR <td>SHEET NO. <td>TOTAL SHEETS </td></td></td>	YEAR <td>SHEET NO. <td>TOTAL SHEETS </td></td>	SHEET NO. <td>TOTAL SHEETS </td>	TOTAL SHEETS
MI.				
COUNTY				
ROUTE				



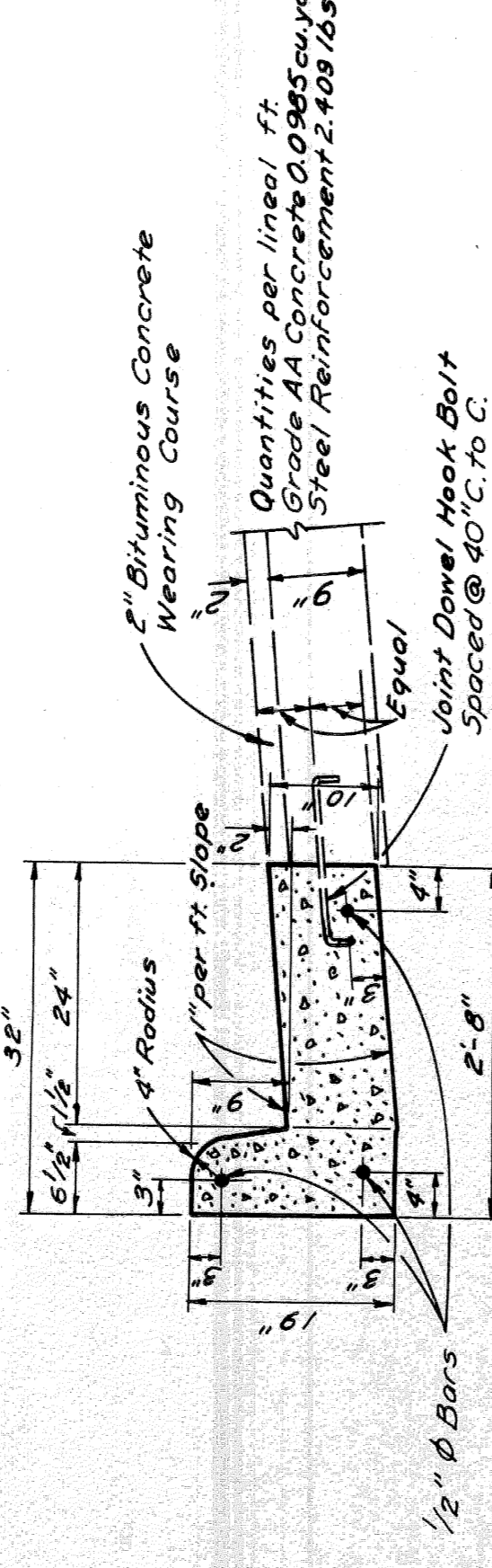
TYPICAL CROSS SECTION SHOWING CONCRETE BASE COURSE 9" UNIFORM (REINFORCED) WITH BITUMINOUS CONCRETE PAVEMENT
TO APPLY ON 12.5' RAMP - SCALE 1/2" = 1'



TYPICAL CROSS SECTION SHOWING CONCRETE PAVEMENT 10" UNIFORM (REINFORCED)
TO APPLY ON 48' EXPRESS ROADWAY - SCALE 3/8" = 1'



TYPICAL CROSS SECTION SHOWING CONCRETE PAVEMENT 10" UNIFORM (REINFORCED)
TO APPLY ON 60' EXPRESS ROADWAY - SCALE 3/8" = 1'



CONCRETE CURB & GUTTER, DETAIL A.
SCALE 3/4" = 1'



CONCRETE ROLL CURB & GUTTER, DETAIL B.
SCALE 3/4" = 1'

JOINT LEGEND

- B- Longitudinal Bulkhead Construction Joint, according to M.S.H.D. Std. Plan E-4-A-33F, Detail 2.
- D- Longitudinal Lane Tie Joint with Tie Bars, according to M.S.H.D. Std. Plan E-4-A-33F, Detail 1.
- B.D. Optional B or D.

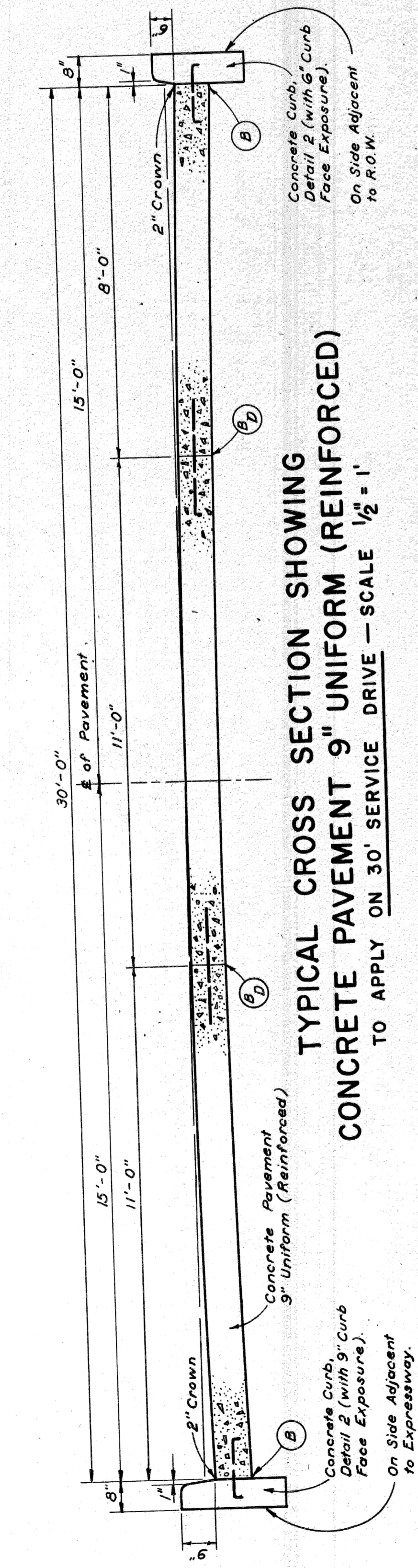
Note: The Concrete Base Course and Concrete Pavement shall be reinforced throughout in accordance with M.S.H.D. Std. Plan E-4-A-21F.

PAVEMENT SECTIONS

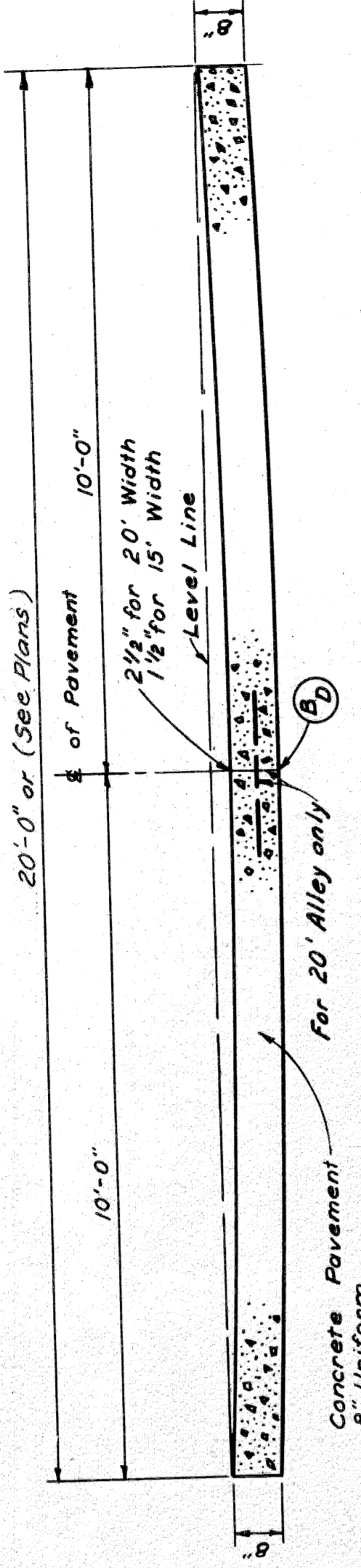
PLANNING	DESIGN	CONSTRUCTION	REVISIONS
82251	82251	82251	82251

TYPICAL CROSS - SECTIONS

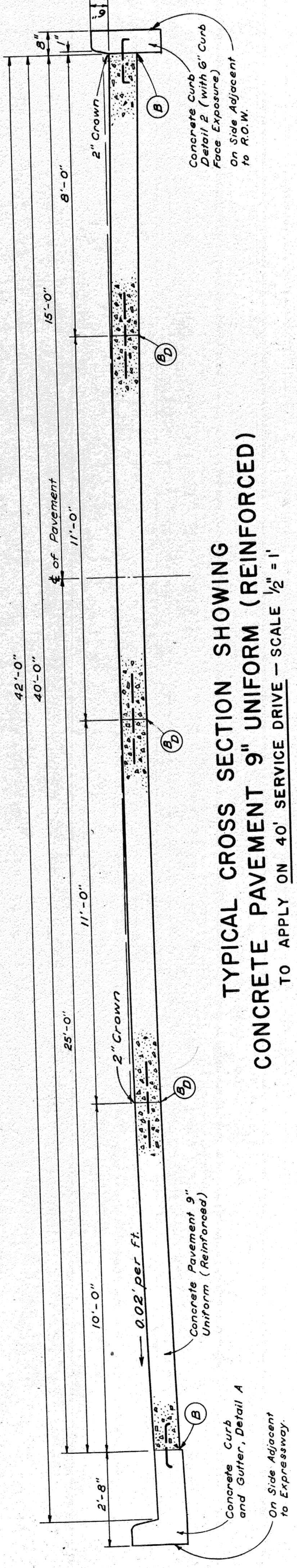
STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
MI.	129/02152	1	1
COUNTY	CITY	PROJECT	DATE
Wayne	Detroit		12/22/51



**TYPICAL CROSS SECTION SHOWING
CONCRETE PAVEMENT 9" UNIFORM (REINFORCED)**
TO APPLY ON 30' SERVICE DRIVE - SCALE 1/2" = 1'



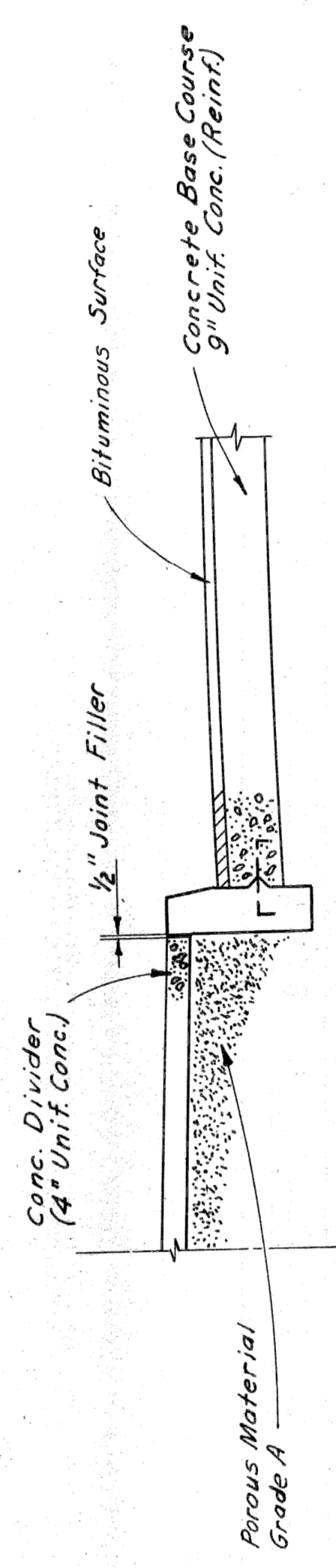
**TYPICAL CROSS SECTION SHOWING
CONCRETE PAVEMENT 8" UNIFORM**
TO APPLY ON ALLEYS WHERE CALLED FOR ON PLANS-SCALE 1/2" = 1'



**TYPICAL CROSS SECTION SHOWING
CONCRETE PAVEMENT 9" UNIFORM (REINFORCED)**
TO APPLY ON 40' SERVICE DRIVE - SCALE 1/2" = 1'

JOINT LEGEND

- B - Longitudinal Bulkhead Construction Joint, according to M.S.H.D. Std. Plan E-4-A-33F, Detail 2.
 - D - Longitudinal Lane Tie Joint with the Borey, according to M.S.H.D. Std. Plan E-4-A-33F, Detail 1.
 - BD - Optional B or D
- Notes:**
The Concrete Base Course and Concrete Pavement shall be reinforced throughout in accordance with M.S.H.D. Std. Plan E-4-A-21F.



**TYPICAL CROSS SECTION SHOWING
CONCRETE DIVIDER ON BRIDGE APPROACHES**

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

STATE	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
4	127-2222			
COUNTY	CITY	SHEET NO.	TOTAL SHEETS	
Wayne	Detroit			
ROUTE	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
82251				

NOTES APPLYING TO STANDARD PLANS

Where the following items are called for on plans, they are to be constructed according to the Standard Plan given below opposite each item unless otherwise indicated. Cross references on Standard Plans shall be understood to refer to the latest approved Standard Plan for the detail in question.

Edge Drain	E-4-A-90, Detail 5
Soading	E-4-A-10B
Pavement Reinforcement	E-4-A-21F
Grading Cross-Sections	E-4-A-26D
Manholes, Catch Basins and Inlets	E-4-A-27R-3
Cover A	E-4-A-27A-3
Cover B	Optional-E-4-A-27B-3 or E-4-A-27B-4
Cover D	E-4-A-27D-3
Concrete Curb, Roll Curb and Curb and Gutter	E-4-A-29E
Curb and Gutter Headers	E-4-A-29E, Detail 9
Curb and Gutter Endings	E-4-A-29E, Detail 14
Driveway Returns and Driveway Openings	E-4-A-29E
Concrete End Header (at pavement ends)	E-4-A-29E, Detail 20
Bridge Header	E-4-A-29E, Detail 21
Pavement Joints	E-4-A-33F (except that plain tie bars will not be permitted)
Superelevation of Curves	E-4-A-49B-7 (except that the rate of superelevation is to be called for on plans.) E-4-A-49B-7
Pavement Crowns	E-4-A-75C-2
Two Cable Guard Rail and Guard Posts	E-4-A-77D
Road Project Markers	E-4-A-110B, Detail 2
4" Concrete Sidewalk	E-4-A-110B, Detail 3
7" Concrete Sidewalk	E-4-A-110B, Detail 4
Concrete Pavement, 7" Uniform	E-4-A-127A
Typical Joint Layout	E-4-A-129
Tile Trap	Optional E-4-A-130A E-4-A-130B E-4-A-130D, or other approved equal
Dowel Bar Installation for Load Transfer at Transverse Contraction and Expansion Joints	E-4-A-139 (except that spot welds may be substituted for rivets to attach the one inch angle.)
Base Plates for Transverse Pavement Joints	E-4-A-135A
Location of Transverse Expansion and Contraction Joints in Concrete Pavement	E-6-A-55E
Barricade	E-4-A-137C
Steel Beam Guard Rail	

Standards for Signing Construction, Maintenance and other operations on or along State Trunkline Highways 3-3-61

The following items of work shall be done as they apply throughout the project. These items are not detailed or included on the plan and profile sheets.

Item	Quantity	Unit	Notes
EXPRESSWAY			
Northbound	136+70 to 137+10	0.40	Fine Grading and Cleanup Stos.
Southbound	136+70 to 137+25	0.40	Fine Grading and Cleanup Stos.
SERVICE DRIVES			
West Service Drive	136+70 to 137+92.68	1.23	Trimming and Filling Earth Grade Stos.
East Service Drive	136+70 to 138+08.99	1.39	Trimming and Filling Earth Grade Stos.
Water, 1000 Gallon Units			
Restoring Roadside	110 Units	1 Unit	
Restoring Roadside	27-Tons Delivered		
Restoring Roadside	0.4 Acres		
CLASS A SEEDING			
Class A Seeding	0.5 Acres		
Mulching	0.7-Tons Delivered		
Mulching	0.7-Tons Delivered		

182251 C10 UN 30204

182251 C12 UN 30205

182251 C11 UN 30204

182251 C13 UN 30205

182251 C10 UN 30204

182251 C12 UN 30205

SPECIAL PROVISIONS

GRADES FOR INTERSECTIONS
All intersections are to be considered as complete units and their grades determined before construction is started.

TRANSVERSE JOINTS IN CONCRETE PAVEMENT
Transverse joints in concrete pavement shall be placed according to details on Standard Plan E-4-A-135A and E-4-A-127A.

TRANSVERSE PLANE OF WEAKNESS JOINTS IN CONCRETE BASE COURSE
Transverse plane of weakness joints shall be placed according to Standard Plan E-4-A-127A.

TRANSVERSE JOINTS IN CONCRETE BASE COURSE
In the concrete base course widening, transverse plane of weakness joints shall be placed in line with expansion joints in the existing concrete pavement.

HAND FINISHING
Hand finishing according to 4 14.03-q-1 of the Standard-Specifications will be permitted on intersections outside of the normal traffic lanes.

PAVEMENT REINFORCEMENT
The pavement reinforcement shall conform to Standard Plan E-4-A-21F except that the length of sheet or mat for 12 foot lanes may be 15'-0" instead of 10'-0". The laying lap for 15-foot length sheet or mat shall be 13 inches. The computed weight of steel per standard sheet is as follows:

Type of Reinforcement	Weight per 15-foot length of Standard Sheet for 12-foot Lanes
Mesh	1289 in Lbs.
Bar Mat	1422
Expanded Metal	1380

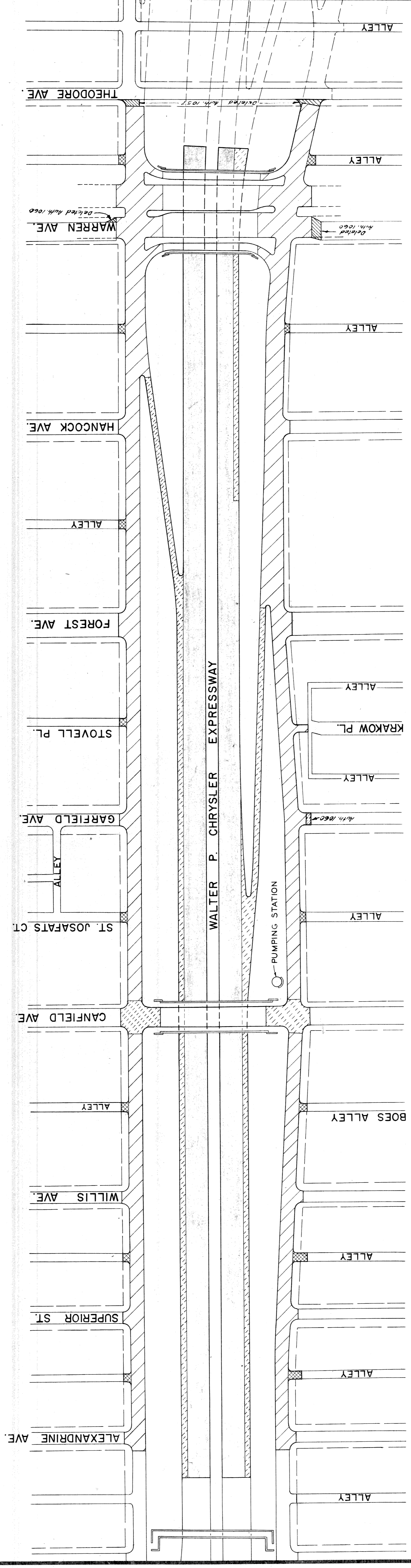
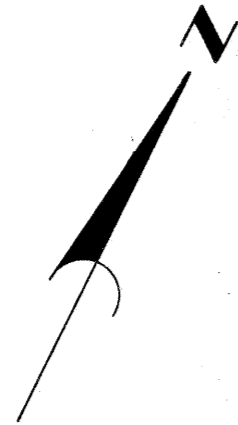
GENERAL PLAN NOTES

No poles will be permitted within the right of way along this project except as authorized by the Engineer.

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

W. J. McConry
R. F. Walker
E. F. Walker
W. E. Walker
W. E. Walker
W. E. Walker
W. E. Walker
W. E. Walker
W. E. Walker
W. E. Walker

STATE	CITY	PROJ. NO.	SHEET NO.
MICH.	WARREN	122/122/32	11
ROUTE	COUNTY	STATE	TOTAL SHEETS
4	Wayne	82251	11



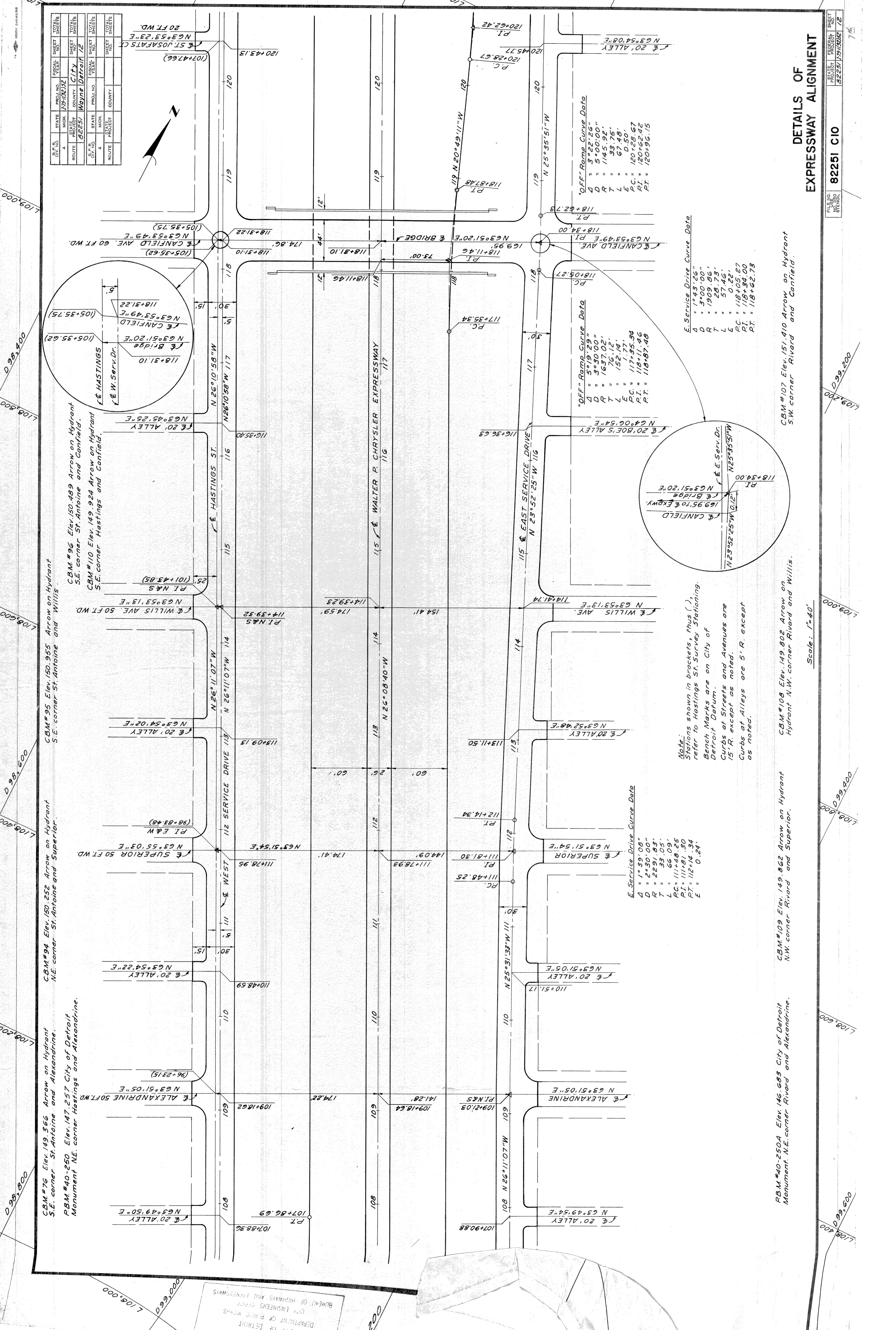
- 8" Uniform Concrete
- 9" Uniform Concrete
- 10" Uniform Concrete
- Bituminous Concrete, Class I, on 9" Uniform Concrete Base.
- Temporary Pavement 8" Uniform Concrete

SURFACING PLAN

FILE NO.	PROJECT	SHEET
82251	CIO	11

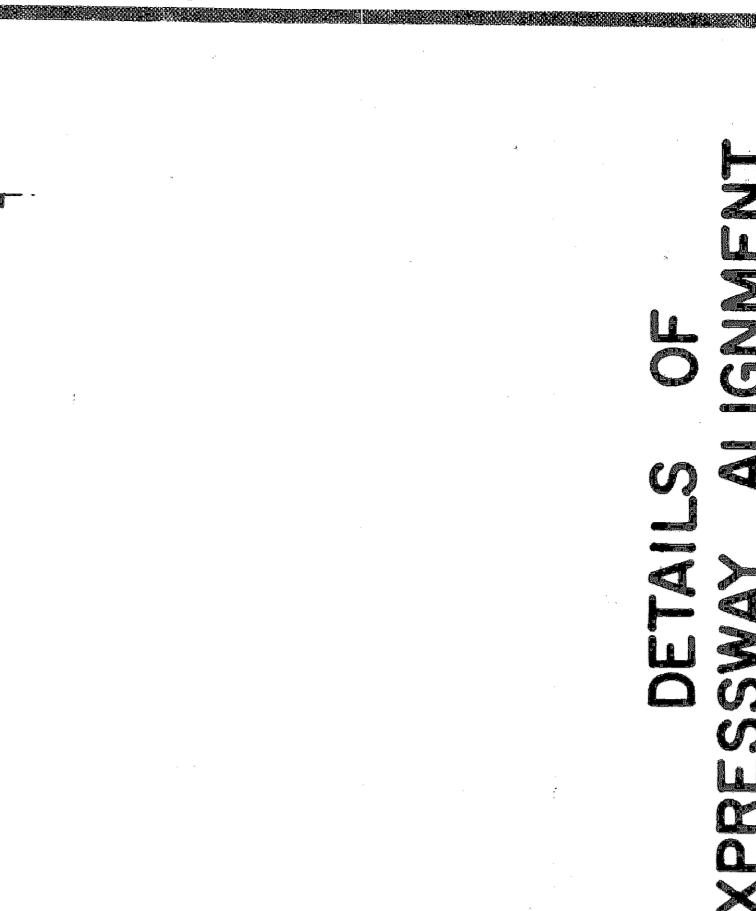
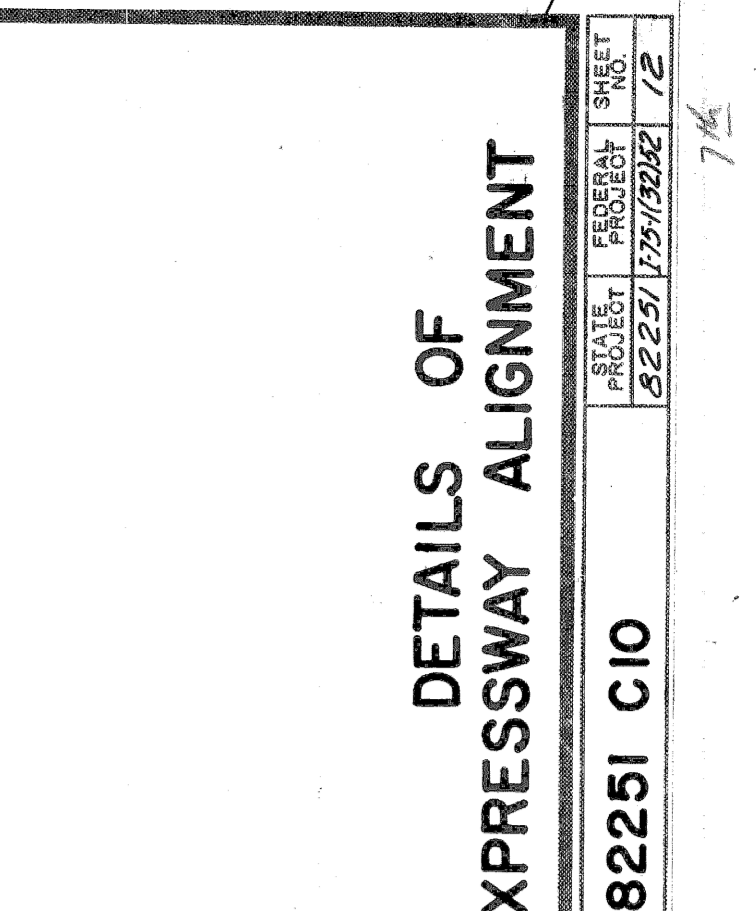
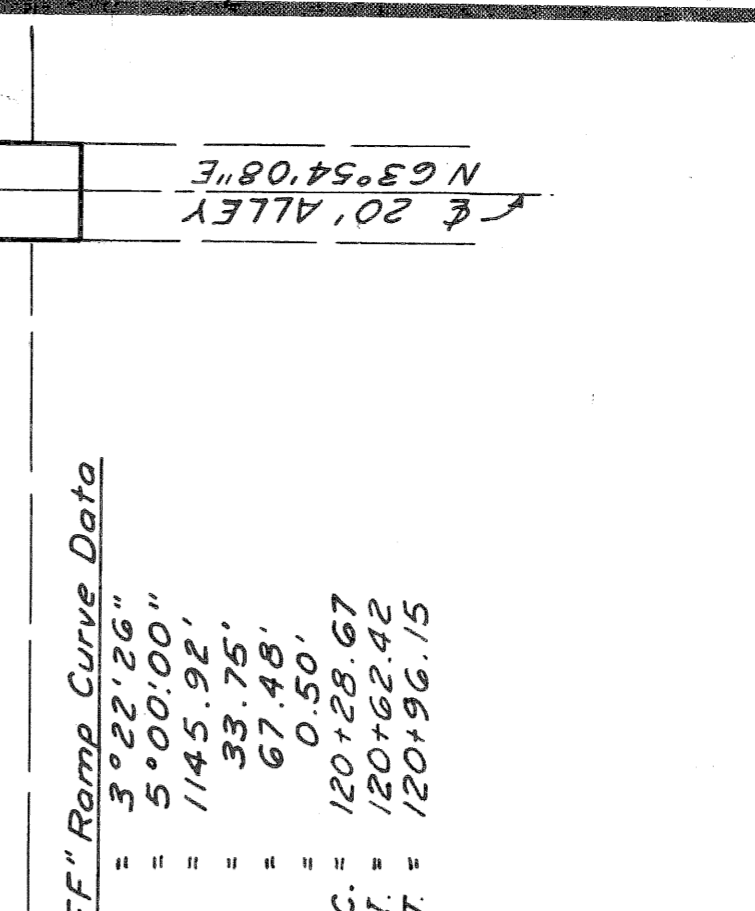
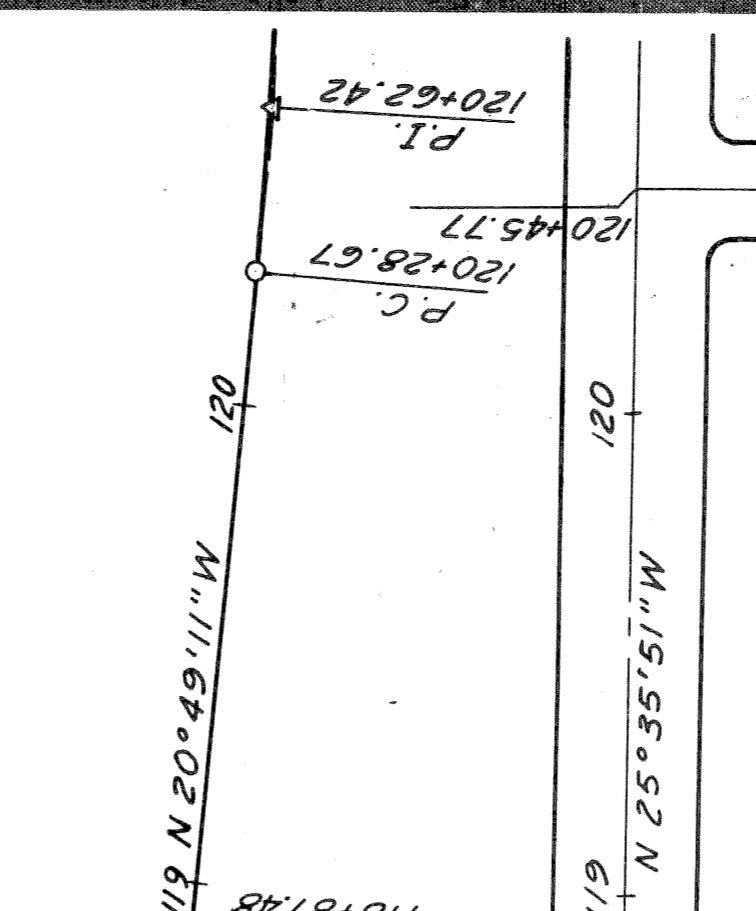
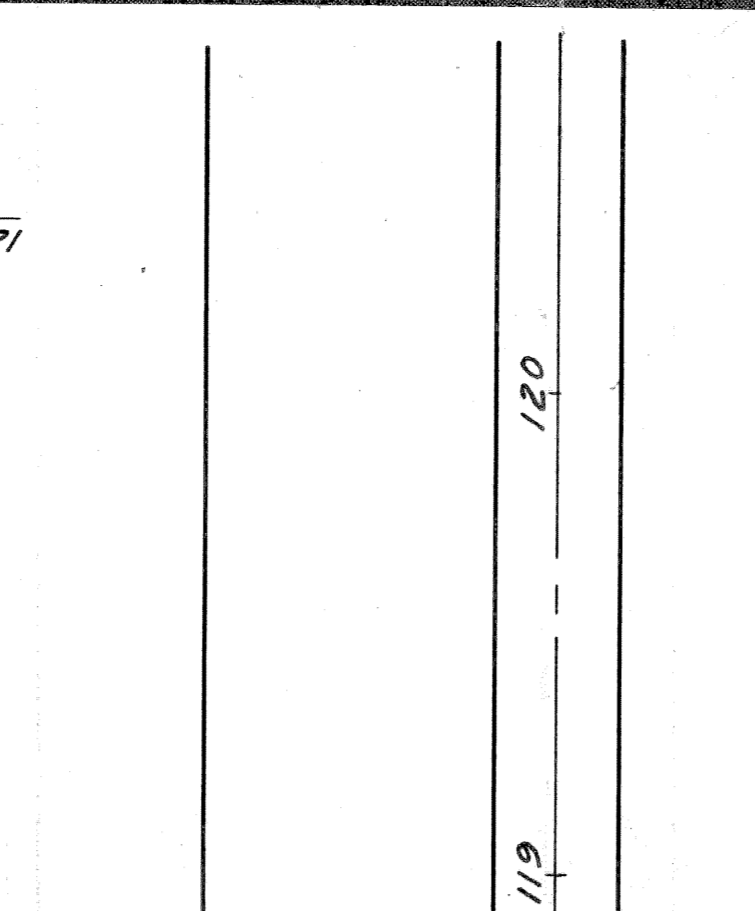
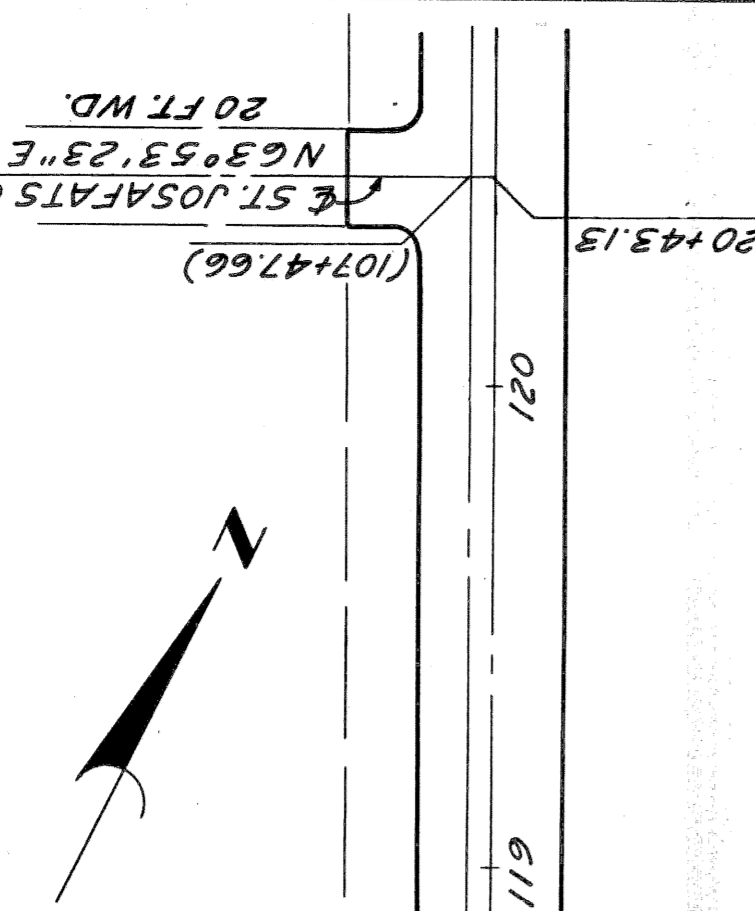
PLANS PREPARED BY
 CIVIL ENGINEERS OFFICE
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF HIGHWAYS AND TOWNSHIPS

J.V. Wickley 11/80
 J.M. Knox - R.A. Comly 11/80
 J.M. Breda 11/80
 Allan S. [unclear] 11/80
 W.R. Kuehl 11/80



CBM #76 Elev. 149.366 Arrow on Hydrant S.E. corner St. Antoine and Alexandrine.
 CBM #40-250 Elev. 147.257 City of Detroit Monument N.E. corner Hastings and Alexandrine.
 CBM #94 Elev. 150.252 Arrow on Hydrant N.E. corner St. Antoine and Superior.
 CBM #95 Elev. 150.955 Arrow on Hydrant S.E. corner St. Antoine and Willis.
 CBM #96 Elev. 150.489 Arrow on Hydrant S.E. corner St. Antoine and Canfield.
 CBM #10 Elev. 149.924 Arrow on Hydrant S.E. corner Hastings and Canfield.

B.P. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	1251/02/02			
ROUTE	PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
82251	Wayne	Detroit	12		
B.P. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	1251/02/02			
ROUTE	PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
82251	Wayne	Detroit	12		



RBM #40-250A Elev. 146.683 City of Detroit Monument N.E. corner Rivard and Alexandrine.
 CBM #109 Elev. 149.862 Arrow on Hydrant N.W. corner Rivard and Superior.
 CBM #108 Elev. 149.802 Arrow on Hydrant N.W. corner Rivard and Willis.
 CBM #107 Elev. 151.410 Arrow on Hydrant S.W. corner Rivard and Canfield.

RBM #40-250B Elev. 146.683 City of Detroit Monument N.E. corner Rivard and Alexandrine.
 CBM #109 Elev. 149.862 Arrow on Hydrant N.W. corner Rivard and Superior.
 CBM #108 Elev. 149.802 Arrow on Hydrant N.W. corner Rivard and Willis.
 CBM #107 Elev. 151.410 Arrow on Hydrant S.W. corner Rivard and Canfield.

RBM #40-250C Elev. 146.683 City of Detroit Monument N.E. corner Rivard and Alexandrine.
 CBM #109 Elev. 149.862 Arrow on Hydrant N.W. corner Rivard and Superior.
 CBM #108 Elev. 149.802 Arrow on Hydrant N.W. corner Rivard and Willis.
 CBM #107 Elev. 151.410 Arrow on Hydrant S.W. corner Rivard and Canfield.

RBM #40-250D Elev. 146.683 City of Detroit Monument N.E. corner Rivard and Alexandrine.
 CBM #109 Elev. 149.862 Arrow on Hydrant N.W. corner Rivard and Superior.
 CBM #108 Elev. 149.802 Arrow on Hydrant N.W. corner Rivard and Willis.
 CBM #107 Elev. 151.410 Arrow on Hydrant S.W. corner Rivard and Canfield.

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

Scale: 1"=40'
 Note: Stations shown in brackets, thus (), refer to Hastings St. Survey Stationing. Bench Marks are on City of Detroit Datum. Curbs at Streets and Avenues are 15' R, except as noted. Curbs at Alleys are 5' R, except as noted.

OFFICE OF THE ENGINEER
 PROJECT NO. 82251
 SHEET 12

FILE NO. 82251
 SHEET 12

DATE	BY	REVISION
12/1/82
12/1/82
12/1/82

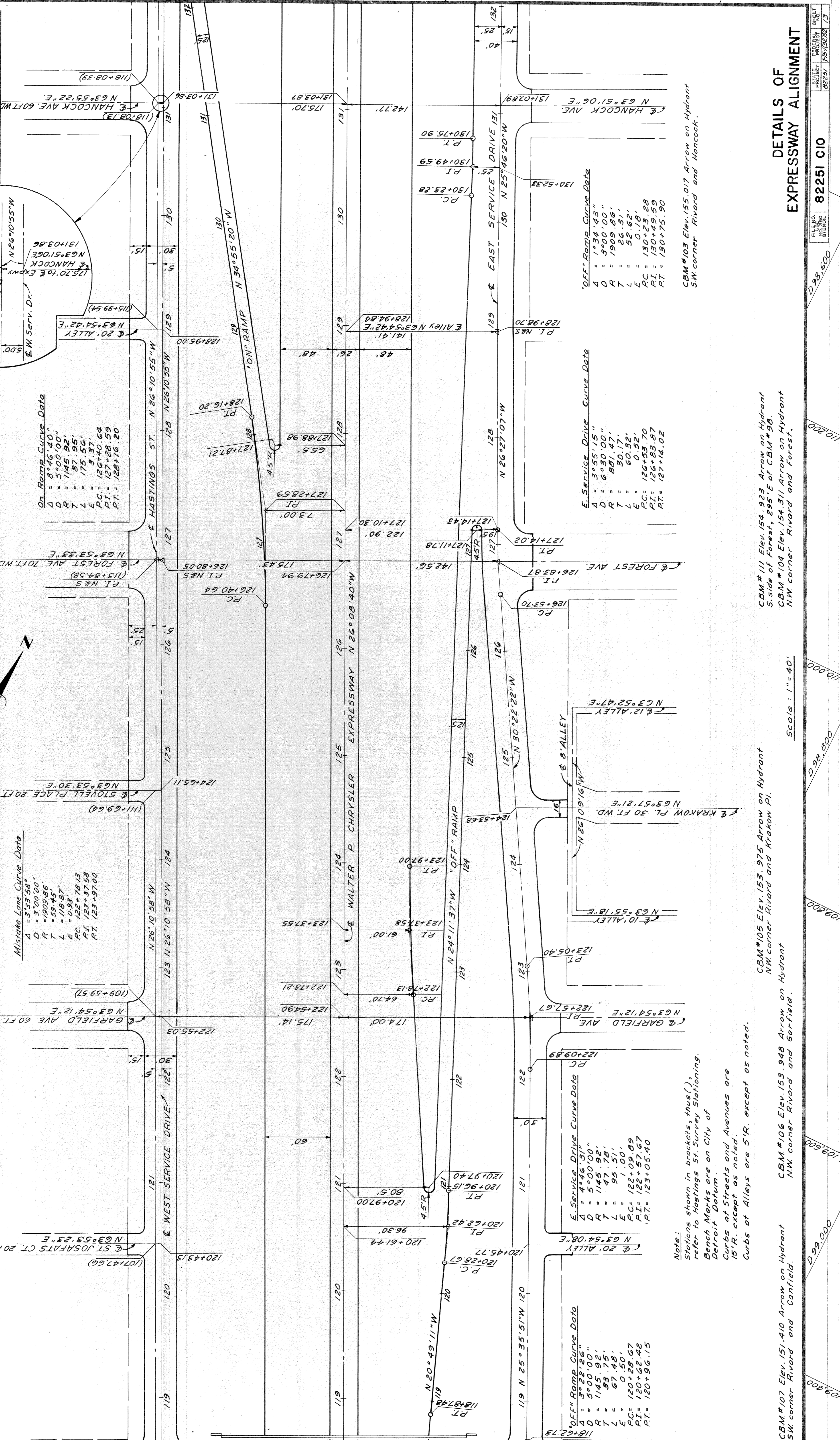
PLANS PREPARED BY
 CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 BUREAU OF HIGHWAYS AND EXPRESSWAYS

Scale: 1" = 40'

CBM #96 Elev. 150.489 Arrow on Hydrant
 SE corner St. Antoine and Canfield.
 CBM #110 Elev. 149.924 Arrow on Hydrant
 SE corner Hastings and Canfield.

CBM #97 Elev. 151.400 Arrow on Hydrant
 NE corner St. Antoine and Garfield.
 CBM #98 Elev. 153.546 Arrow on Hydrant
 SE corner St. Antoine and Forest.

CBM #112 Elev. 155.353 Arrow on Hydrant
 SW corner Hastings and Forest.
 CBM #113 Elev. 155.568 Arrow on Hydrant
 N side of Forest, 450' E. of CBM #112.
 CBM #99 Elev. 156.725 Arrow on Hydrant
 SW corner St. Antoine and Hancock.



Mistake Lane Curve Data
 A = 5'33.58"
 D = 5'00.00"
 R = 1909.86'
 T = 59.45'
 L = 118.87'
 E = 0.93'
 P.C. = 122+79.13
 P.I. = 123+37.58
 P.T. = 123+97.00

On-Ramp Curve Data
 A = 8'46.40"
 D = 5'00.00"
 R = 1909.86'
 T = 59.45'
 L = 118.87'
 E = 0.93'
 P.C. = 124+50.64
 P.I. = 125+09.09
 P.T. = 125+67.54

E. Service Drive Curve Data
 A = 4'46.31"
 D = 5'00.00"
 R = 1909.86'
 T = 59.45'
 L = 118.87'
 E = 0.93'
 P.C. = 122+09.89
 P.I. = 122+57.67
 P.T. = 123+05.40

OFF-Ramp Curve Data
 A = 3'22.26"
 D = 5'00.00"
 R = 1909.86'
 T = 59.45'
 L = 118.87'
 E = 0.93'
 P.C. = 120+28.62
 P.I. = 120+96.15
 P.T. = 121+63.67

E. Service Drive Curve Data
 A = 3'55.15"
 D = 6'30.00"
 R = 881.47'
 T = 30.17'
 L = 60.32'
 E = 0.52'
 P.C. = 126+53.70
 P.I. = 126+83.87
 P.T. = 127+14.02

OFF-Ramp Curve Data
 A = 1'34.43"
 D = 3'00.00"
 R = 1909.86'
 T = 26.31'
 L = 52.62'
 E = 0.18'
 P.C. = 130+23.28
 P.I. = 130+49.59
 P.T. = 130+75.90

CBM #105 Elev. 153.975 Arrow on Hydrant
 NW corner Rivard and Krakow Pl.
 CBM #106 Elev. 153.948 Arrow on Hydrant
 NW corner Rivard and Garfield.
 CBM #107 Elev. 151.410 Arrow on Hydrant
 SW corner Rivard and Canfield.

CBM #111 Elev. 154.923 Arrow on Hydrant
 S side of Forest, 295' E. of CBM #98.
 CBM #104 Elev. 154.311 Arrow on Hydrant
 NW corner Rivard and Forest.

Note:
 Stations shown in brackets, thus (), refer to Hastings St. Survey Stationing.
 Bench Marks are on City of Detroit Datum.
 Curbs at Streets and Avenues are 15' R. except as noted.
 Curbs at Alleys are 5' R. except as noted.

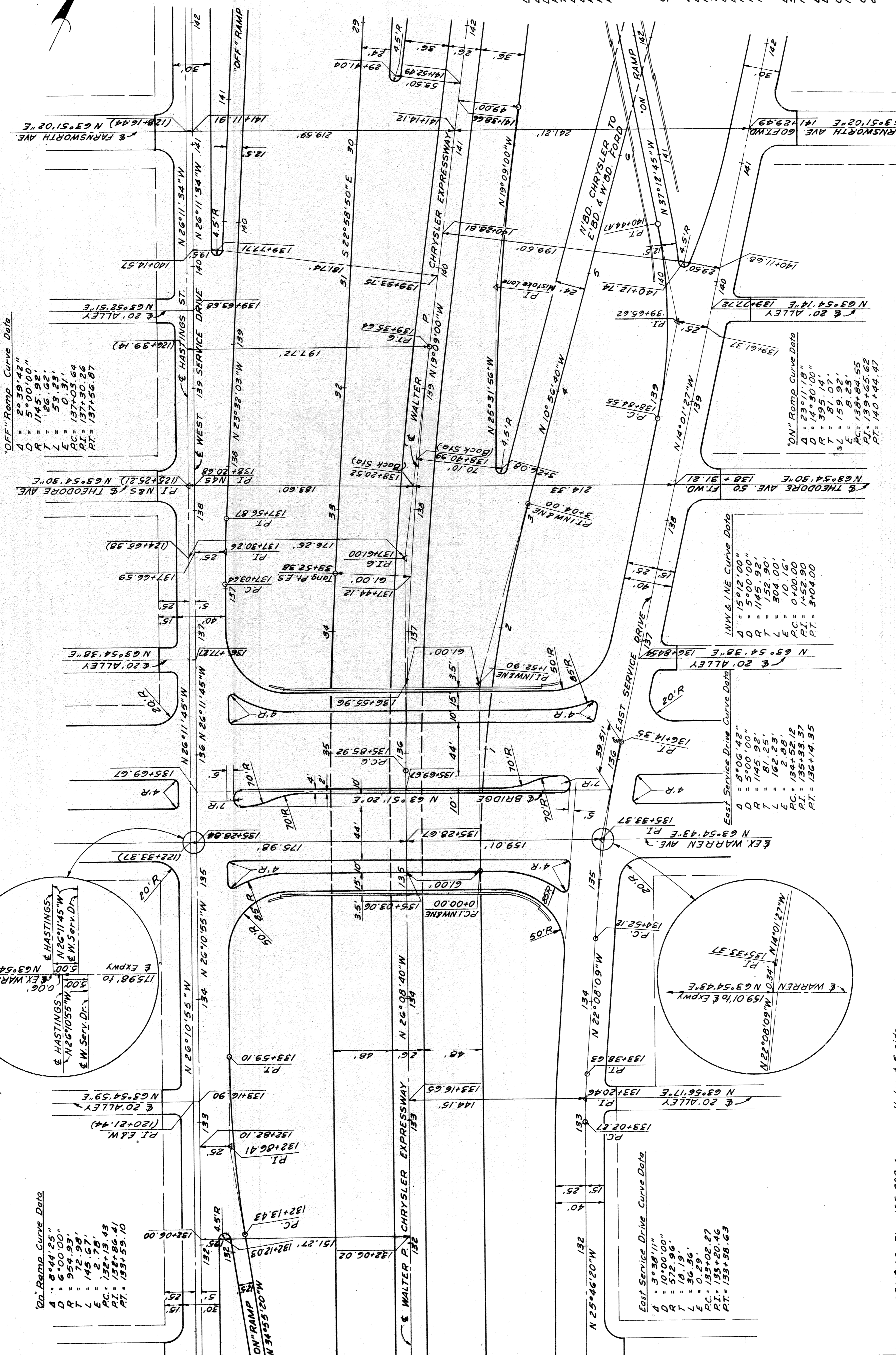
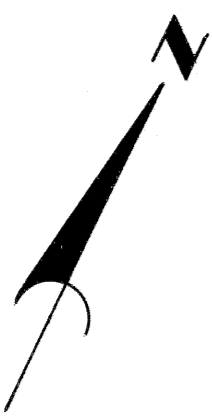
CBM #103 Elev. 155.017 Arrow on Hydrant
 SW corner Rivard and Hancock.

82251 C10

PROJECT SHEET 13

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
MICH.	173(32)52		
CITY	COUNTY	ROUTE	PROJECT
Detroit	Wayne	82251	EXPRESSWAY

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
MICH.	173(32)52		
CITY	COUNTY	ROUTE	PROJECT
Detroit	Wayne	82251	EXPRESSWAY



C.B.M.#100 Elev. 154.670 Arrow on Hydrant
 S.E. corner St. Antoine and Warren.
 C.B.M.#101 Elev. 154.133 Arrow on Hydrant
 S. side of Warren 504' E. of C.B.M.#100.
 C.B.M.#14 Elev. 155.470 Arrow on Hydrant
 N.E. corner St. Antoine and Theodore.
 C.B.M.#15 Elev. 155.000 Arrow on Hydrant
 S.E. corner St. Antoine and Farnsworth.

C.B.M.#130 Elev. 155.320 Arrow on Hydrant
 N.W. corner Rivard and Theodore.
 C.B.M.#129 Elev. 155.374 Arrow on Hydrant
 N.E. corner Rivard and Farnsworth.

Mistake Lane Curve Data
 Δ = 6°22'56"
 D = 2'08'19"
 R = 2679.77'
 T = 149.57'
 L = 298.45'
 E = 4.16'
 PC = 138+40.23
 PT = 139+89.60
 PI = 141+58.66

CONSTRUCTION & CURVE DATA
 Curve #6
 Δ = 6°59'40"
 D = 2'00'00"
 R = 2864.79'
 T = 175.08'
 L = 349.72'
 E = 5.35'
 PC = 135+85.92
 PT = 137+61.00
 PI = 139+35.64

Note:
 Stations shown in brackets, thus (),
 refer to Hastings St. Survey Stationing.
 Bench Marks are on City of
 Detroit Datum.
 Curbs of Streets and Avenues are
 15' R. except as noted.
 Curbs of Alleys are 5' R. except
 as noted.

Scale: 1" = 40'

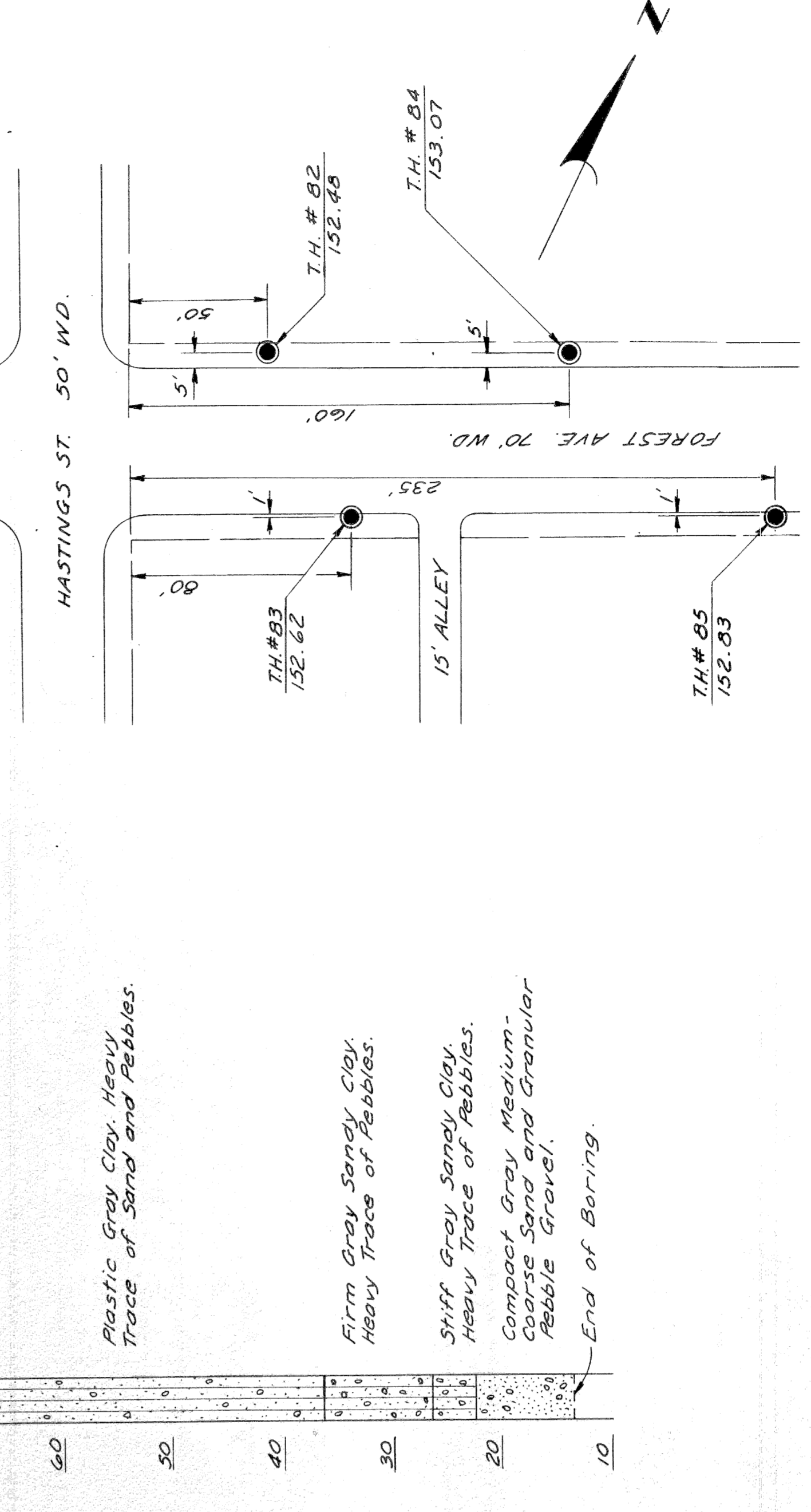
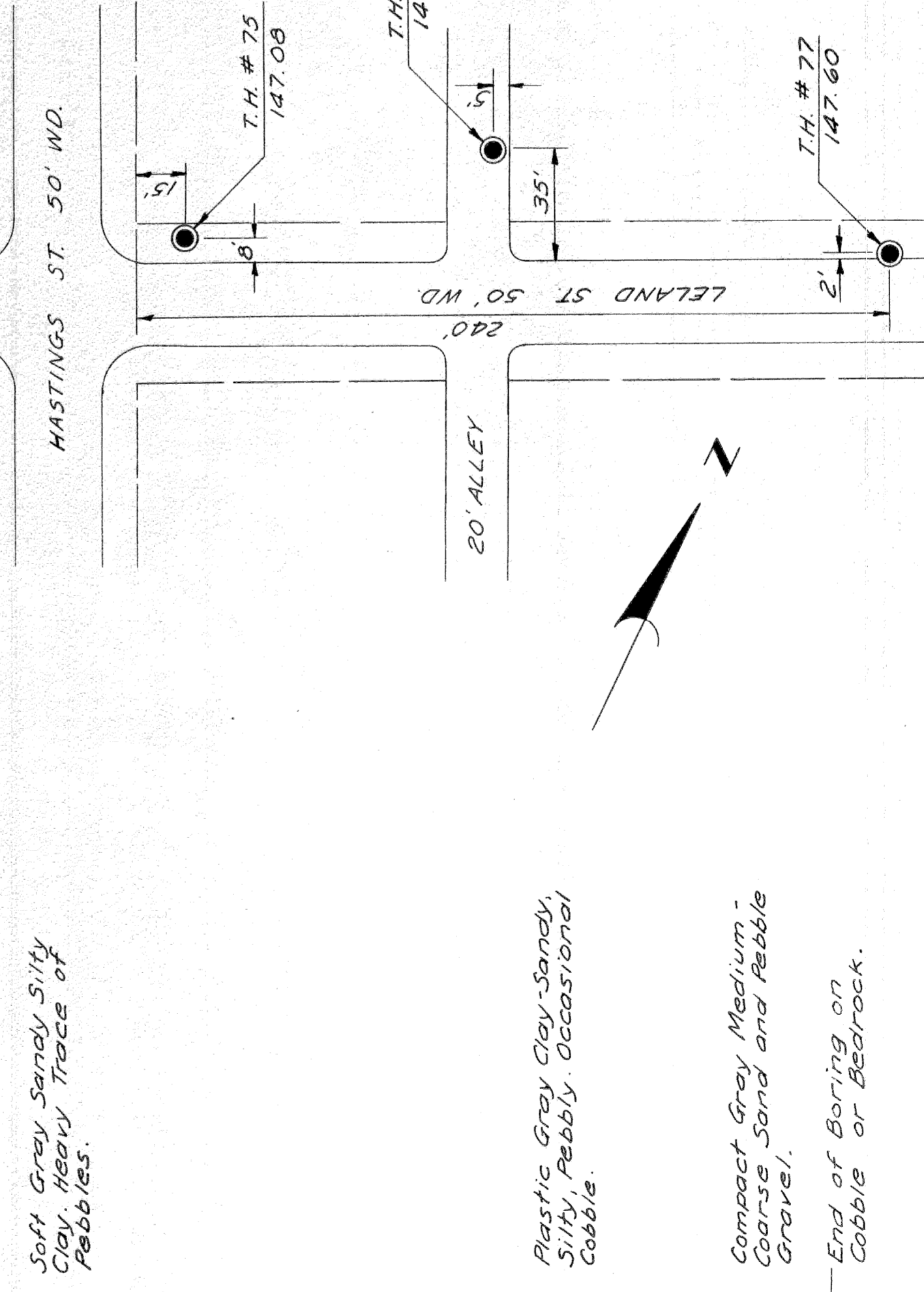
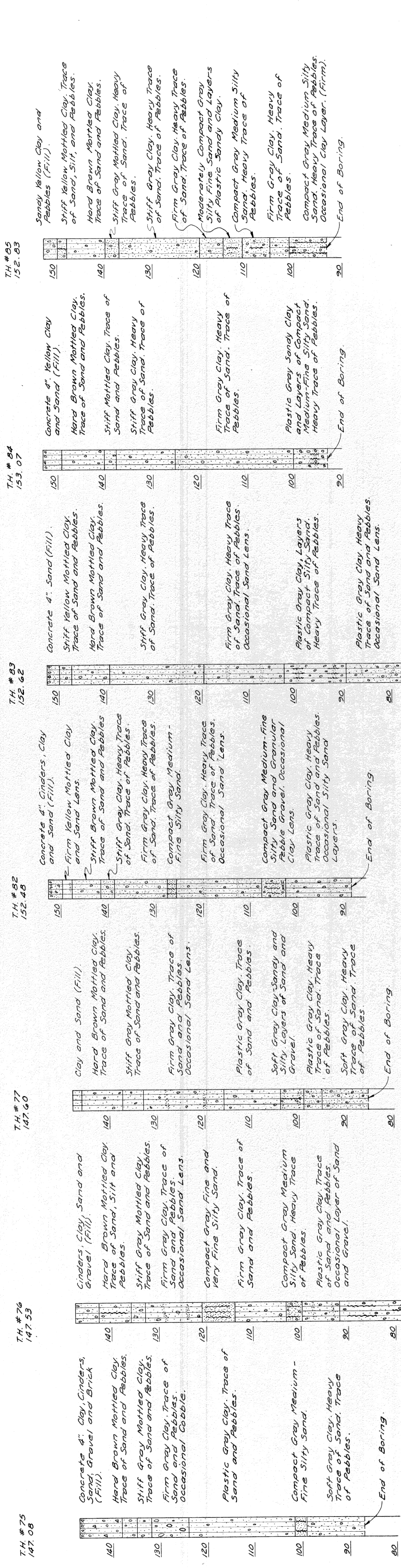
PLANS PREPARED BY
 CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 BUREAU OF HIGHWAYS AND EXPRESSWAYS

DETAILS OF EXPRESSWAY ALIGNMENT

FILE NO.	82251 C10
DATE	1/27/32
BY	W.S.
CHECKED	W.S.
APPROVED	W.S.

LOG OF BORINGS

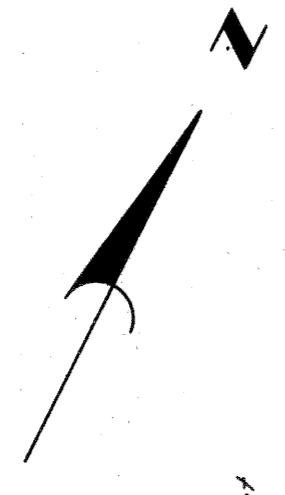
PROJ. NO.	STATE	MICH.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
82251	MI	73/3212	82251	15	15
CITY	COUNTY	CITY	COUNTY	CITY	COUNTY
Detroit	Detroit	Detroit	Detroit	Detroit	Detroit



T.H. NOS. 75 THRU. 77 & 83 THRU. 85

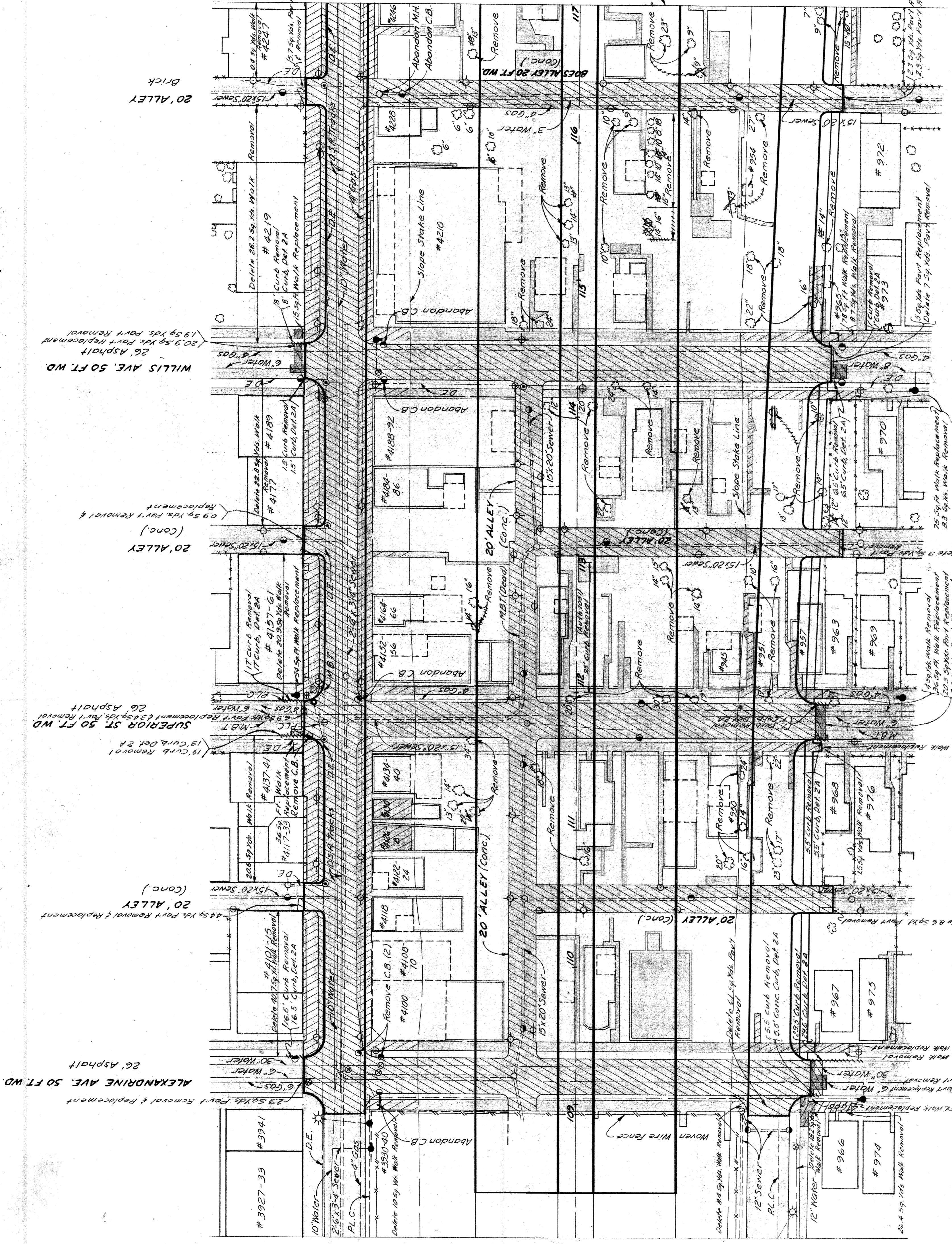
PLANS PREPARED BY
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
BUREAU OF HIGHWAYS AND EXPANSIONWAYS

DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	MICH.	128-12252	11/60	11/60
ROUTE	CITY	COUNTY	SHEET NO.	TOTAL SHEETS
4	Detroit	Wayne	11/60	11/60
DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	MICH.	128-12252	11/60	11/60
ROUTE	CITY	COUNTY	SHEET NO.	TOTAL SHEETS
4	Detroit	Wayne	11/60	11/60



HASTINGS ST. 50 FT. WD.
28' Asphalt

Match Line 117+00



LEGEND

- Proposed Pavement
- Proposed Sidewalk
- Existing Foundation Wall
- Existing Sidewalk
- Existing Basement
- Existing Concrete Slab

QUANTITIES

- 52 Lin. Ft. 25' EARTHWORK - For Basements and Abandoned Miscellaneous Structures.
- 2374 Sq. Yds. 2330 Earth Excavation (including removal of debris from basements).
- 6162 Sq. Yds. 8105 Replacing Masonry and Concrete.
- 2220 Sq. Ft. 1474 Replacing Masonry and Concrete.
- 72 Sq. Yds. 985 (Compacted in Place) - Grade 4 Clay Backfill.
- 52 Cu. Ft. 117 Fill - Selected Excavated Material (to be obtained from Roadway Excavation Sta. # 20)..... 1,602 Cu. Yds.

- AS CONSTRUCTED**
- 21 Ea. 18 Ea. Avh. 100
 - 42 Ea. 4 " " "
 - 3 Ea. 4 " " "
 - 5 Ea. 5 Ea.
 - 1 Ea. 1 Ea.
 - 3 Ea. 3 Ea.
 - 705 Sq. Yds. 705 Sq. Yds.
- Notes:**
The Field Engineer shall direct the Contractor to save desirable trees occurring within the Right of Way which do not interfere with Proposed Construction.

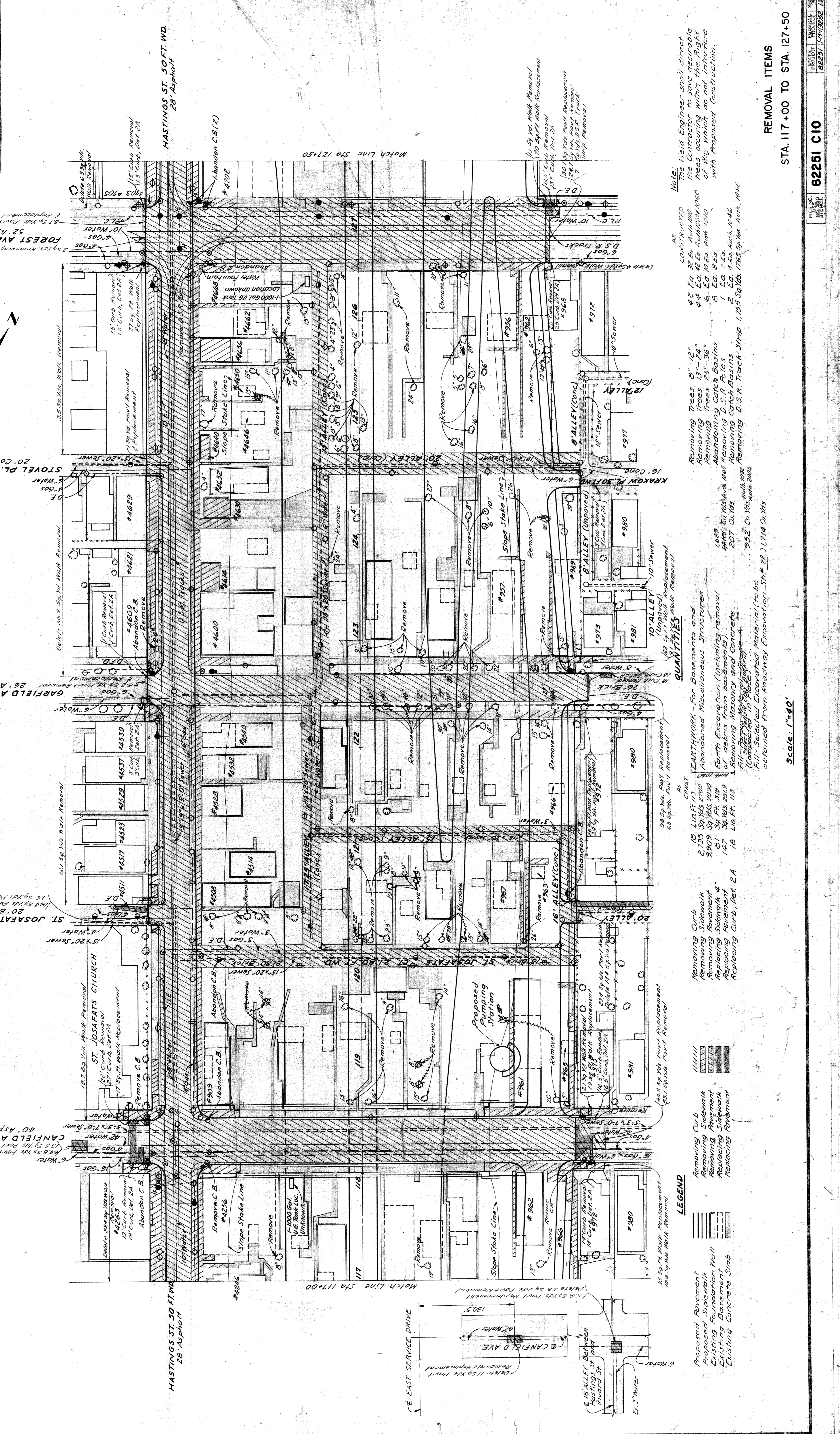
Scale: 1"=40'

REMOVAL ITEMS
STA. 108+84 TO STA. 117+00

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

11/60	J. V. WICKAY
11/60	R. A. COMLY - R. P. NIKON
11/60	J. M. BROY - J. SNOK
11/60	M. J. HAYES
11/60	R. F. HAYES

S.P. No.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	MICH.	1257(2)122		
	CITY	Wayne Detroit	17	



Notes:
The Field Engineer shall direct the Contractor to save desirable trees occurring within the Right of Way which do not interfere with proposed construction.

AS CONSTRUCTED
11 5/8" x 14" Park Removal
12 5/8" x 14" Park Removal
13 5/8" x 14" Park Removal
14 5/8" x 14" Park Removal
15 5/8" x 14" Park Removal
16 5/8" x 14" Park Removal
17 5/8" x 14" Park Removal
18 5/8" x 14" Park Removal
19 5/8" x 14" Park Removal
20 5/8" x 14" Park Removal
21 5/8" x 14" Park Removal
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30 5/8" x 14" Park Removal
31 5/8" x 14" Park Removal
32 5/8" x 14" Park Removal
33 5/8" x 14" Park Removal
34 5/8" x 14" Park Removal
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36 5/8" x 14" Park Removal
37 5/8" x 14" Park Removal
38 5/8" x 14" Park Removal
39 5/8" x 14" Park Removal
40 5/8" x 14" Park Removal
41 5/8" x 14" Park Removal
42 5/8" x 14" Park Removal
43 5/8" x 14" Park Removal
44 5/8" x 14" Park Removal
45 5/8" x 14" Park Removal
46 5/8" x 14" Park Removal
47 5/8" x 14" Park Removal
48 5/8" x 14" Park Removal
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69 5/8" x 14" Park Removal
70 5/8" x 14" Park Removal
71 5/8" x 14" Park Removal
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77 5/8" x 14" Park Removal
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79 5/8" x 14" Park Removal
80 5/8" x 14" Park Removal
81 5/8" x 14" Park Removal
82 5/8" x 14" Park Removal
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91 5/8" x 14" Park Removal
92 5/8" x 14" Park Removal
93 5/8" x 14" Park Removal
94 5/8" x 14" Park Removal
95 5/8" x 14" Park Removal
96 5/8" x 14" Park Removal
97 5/8" x 14" Park Removal
98 5/8" x 14" Park Removal
99 5/8" x 14" Park Removal
100 5/8" x 14" Park Removal

QUANTITIES
18 Lin.Ft. 1/2" Earthwork - for Basements and Abandoned Miscellaneous Structures.
2,735 Sq. Yds. Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 8" - 10" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 12" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 14" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 16" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 18" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 20" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 22" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 24" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 26" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 28" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 30" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 32" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 34" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 36" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 38" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 40" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 42" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 44" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 46" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 48" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 50" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 52" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 54" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 56" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 58" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 60" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 62" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 64" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 66" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 68" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 70" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 72" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 74" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 76" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 78" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 80" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 82" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 84" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 86" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 88" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 90" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 92" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 94" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 96" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 98" Earthwork - for Basements and Abandoned Miscellaneous Structures.
147 Sq. Yds. 100" Earthwork - for Basements and Abandoned Miscellaneous Structures.

LEGEND
Proposed Pavement
Proposed Sidewalk
Existing Foundation Wall
Existing Basement
Existing Concrete Slab

Scale: 1"=40'

BUREAU OF HIGHWAYS AND EXPRESSWAYS
CITY ENGINEERS OFFICE
DEPARTMENT OF PUBLIC WORKS
CITY OF DETROIT
PLANS PREPARED BY
L. V. WICKREY
J. M. BROOKS
J. W. POLLOCK

NO. 1160
1160
1160
1160
1160
1160

DATE
SCALE
SHEET NO.
TOTAL SHEETS

82251 C10
82251 1257(2)122 17

S.P. No.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	MICH.	1257(2)122		
	CITY	Wayne Detroit	17	

REMOVAL ITEMS
STA. 117 +00 TO STA. 127+50

STATE	MO. NO.	PROJ. NO.	SHEET NO.
MO.	128	127.50	11/60
CITY	ROUTE	ROUTE	ROUTE
Warrens	20' Alley	20' Alley	20' Alley
PROJECT	STATE	PROJ. NO.	SHEET NO.
Warrens	MO.	128	127.50

STATE	MO. NO.	PROJ. NO.	SHEET NO.
MO.	128	127.50	11/60
CITY	ROUTE	ROUTE	ROUTE
Warrens	20' Alley	20' Alley	20' Alley
PROJECT	STATE	PROJ. NO.	SHEET NO.
Warrens	MO.	128	127.50

STATE	MO. NO.	PROJ. NO.	SHEET NO.
MO.	128	127.50	11/60
CITY	ROUTE	ROUTE	ROUTE
Warrens	20' Alley	20' Alley	20' Alley
PROJECT	STATE	PROJ. NO.	SHEET NO.
Warrens	MO.	128	127.50

STATE	MO. NO.	PROJ. NO.	SHEET NO.
MO.	128	127.50	11/60
CITY	ROUTE	ROUTE	ROUTE
Warrens	20' Alley	20' Alley	20' Alley
PROJECT	STATE	PROJ. NO.	SHEET NO.
Warrens	MO.	128	127.50

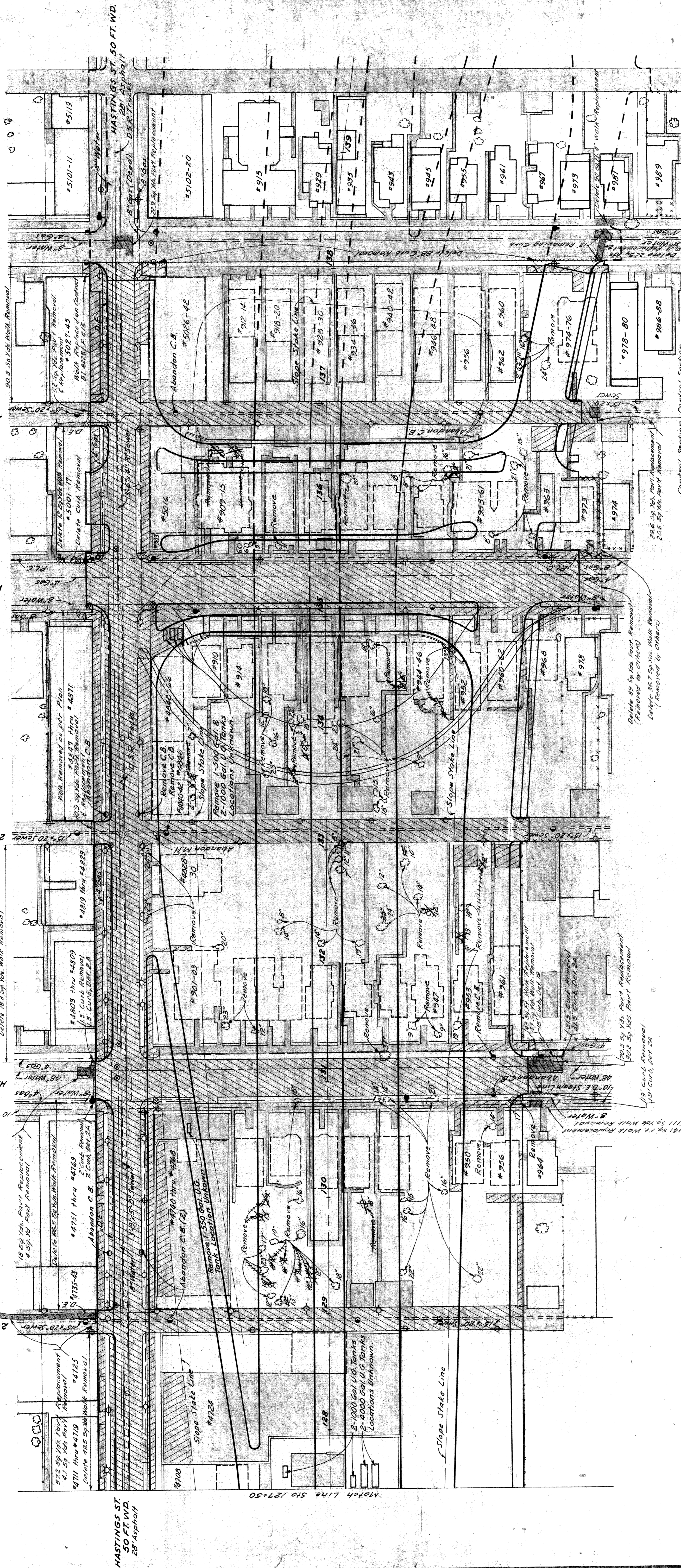
STATE	MO. NO.	PROJ. NO.	SHEET NO.
MO.	128	127.50	11/60
CITY	ROUTE	ROUTE	ROUTE
Warrens	20' Alley	20' Alley	20' Alley
PROJECT	STATE	PROJ. NO.	SHEET NO.
Warrens	MO.	128	127.50

STATE	MO. NO.	PROJ. NO.	SHEET NO.
MO.	128	127.50	11/60
CITY	ROUTE	ROUTE	ROUTE
Warrens	20' Alley	20' Alley	20' Alley
PROJECT	STATE	PROJ. NO.	SHEET NO.
Warrens	MO.	128	127.50

STATE	MO. NO.	PROJ. NO.	SHEET NO.
MO.	128	127.50	11/60
CITY	ROUTE	ROUTE	ROUTE
Warrens	20' Alley	20' Alley	20' Alley
PROJECT	STATE	PROJ. NO.	SHEET NO.
Warrens	MO.	128	127.50

STATE	MO. NO.	PROJ. NO.	SHEET NO.
MO.	128	127.50	11/60
CITY	ROUTE	ROUTE	ROUTE
Warrens	20' Alley	20' Alley	20' Alley
PROJECT	STATE	PROJ. NO.	SHEET NO.
Warrens	MO.	128	127.50

STATE	MO. NO.	PROJ. NO.	SHEET NO.
MO.	128	127.50	11/60
CITY	ROUTE	ROUTE	ROUTE
Warrens	20' Alley	20' Alley	20' Alley
PROJECT	STATE	PROJ. NO.	SHEET NO.
Warrens	MO.	128	127.50



QUANTITIES

Control Section	UN	Control Section	UN
UN 30204-C10	17	UN 30204-C10	17
UN 30204-C10	47	UN 30204-C10	47
UN 30204-C10	5	UN 30204-C10	5
UN 30204-C10	5	UN 30204-C10	5
UN 30204-C10	4	UN 30204-C10	4
UN 30204-C10	3	UN 30204-C10	3
UN 30204-C10	124	UN 30204-C10	124

REMOVAL ITEMS

Abandon C.B. #5026-42

Remove 1,500 Gal. U.G. Tanks

Remove 2,000 Gal. U.G. Tanks

Remove 2,400 Gal. U.G. Tanks

Remove 2,800 Gal. U.G. Tanks

Remove 3,200 Gal. U.G. Tanks

Remove 3,600 Gal. U.G. Tanks

Remove 4,000 Gal. U.G. Tanks

Remove 4,400 Gal. U.G. Tanks

Remove 4,800 Gal. U.G. Tanks

Remove 5,200 Gal. U.G. Tanks

Remove 5,600 Gal. U.G. Tanks

Remove 6,000 Gal. U.G. Tanks

Remove 6,400 Gal. U.G. Tanks

Remove 6,800 Gal. U.G. Tanks

Remove 7,200 Gal. U.G. Tanks

Remove 7,600 Gal. U.G. Tanks

Remove 8,000 Gal. U.G. Tanks

Remove 8,400 Gal. U.G. Tanks

Remove 8,800 Gal. U.G. Tanks

Remove 9,200 Gal. U.G. Tanks

Remove 9,600 Gal. U.G. Tanks

Remove 10,000 Gal. U.G. Tanks

LEGEND

- Proposed Pavement
- Proposed Sidewalk
- Existing Foundation Wall
- Existing Basement
- Existing Concrete Slab
- Remove Curb
- Remove Sidewalk
- Remove Pavement
- Replace Sidewalk
- Replace Pavement

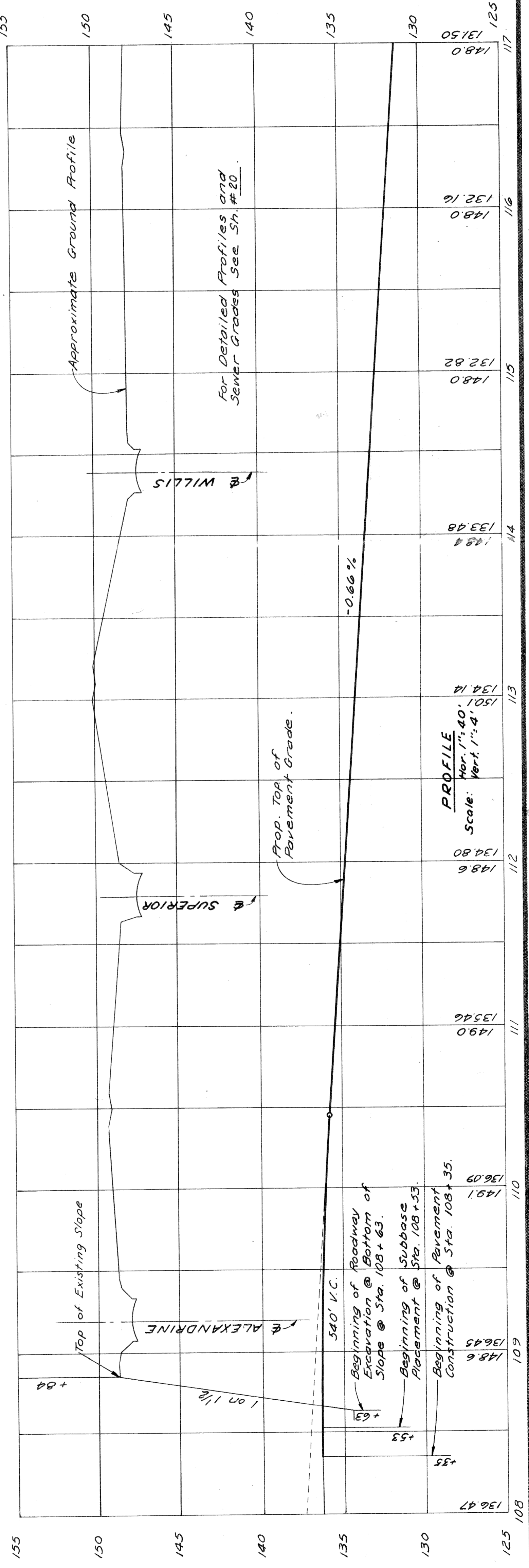
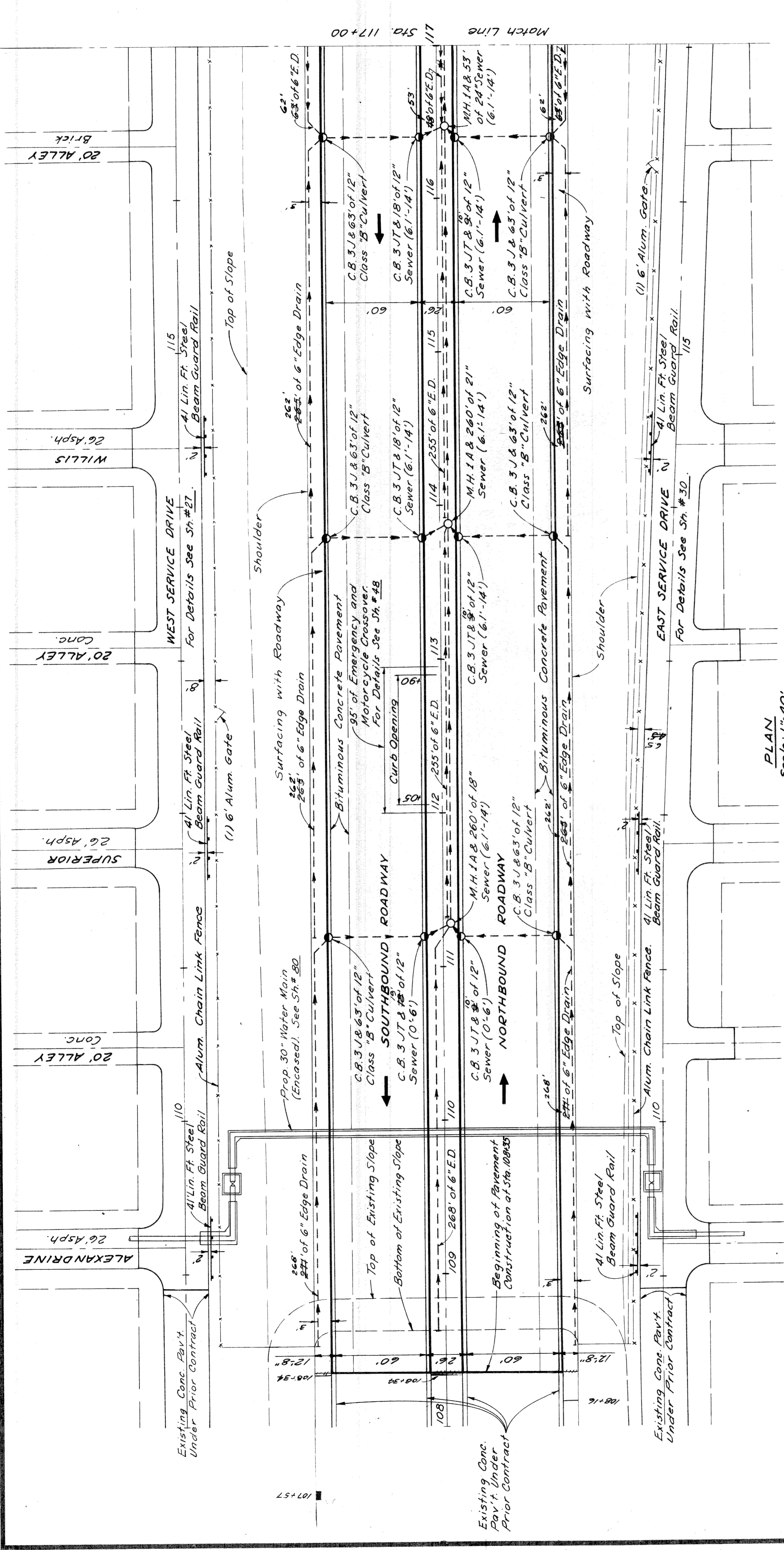
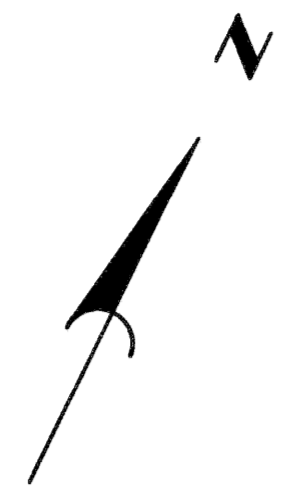
NOTES:

The field Engineer shall direct the Contractor to save desirable trees occurring within the right of way which do not interfere with proposed construction.

REMOVAL ITEMS

Control Section	UN	Control Section	UN
UN 30204-C10	17	UN 30204-C10	17
UN 30204-C10	47	UN 30204-C10	47
UN 30204-C10	5	UN 30204-C10	5
UN 30204-C10	5	UN 30204-C10	5
UN 30204-C10	4	UN 30204-C10	4
UN 30204-C10	3	UN 30204-C10	3
UN 30204-C10	124	UN 30204-C10	124

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
IND.	1727/22/22	1	19
COUNTY	CITY	SHEET NO.	TOTAL SHEETS
Wayne	Dearborn	19	19



11/60	W.L. Mckenzie
11/60	J.M. Bredt - W.L. Mckenzie
11/60	W.L. Mckenzie - E. Rembert
11/60	W.L. Mckenzie - E. Rembert

As Constructed
1,683 Lin. Ft.

Guard Rail and Fence (This Sheet)
Steel Beam Guard Rail 246 Lin Ft
Alum Chain Link Fence 1,437 Lin Ft
& Alum. Gates 2 Each

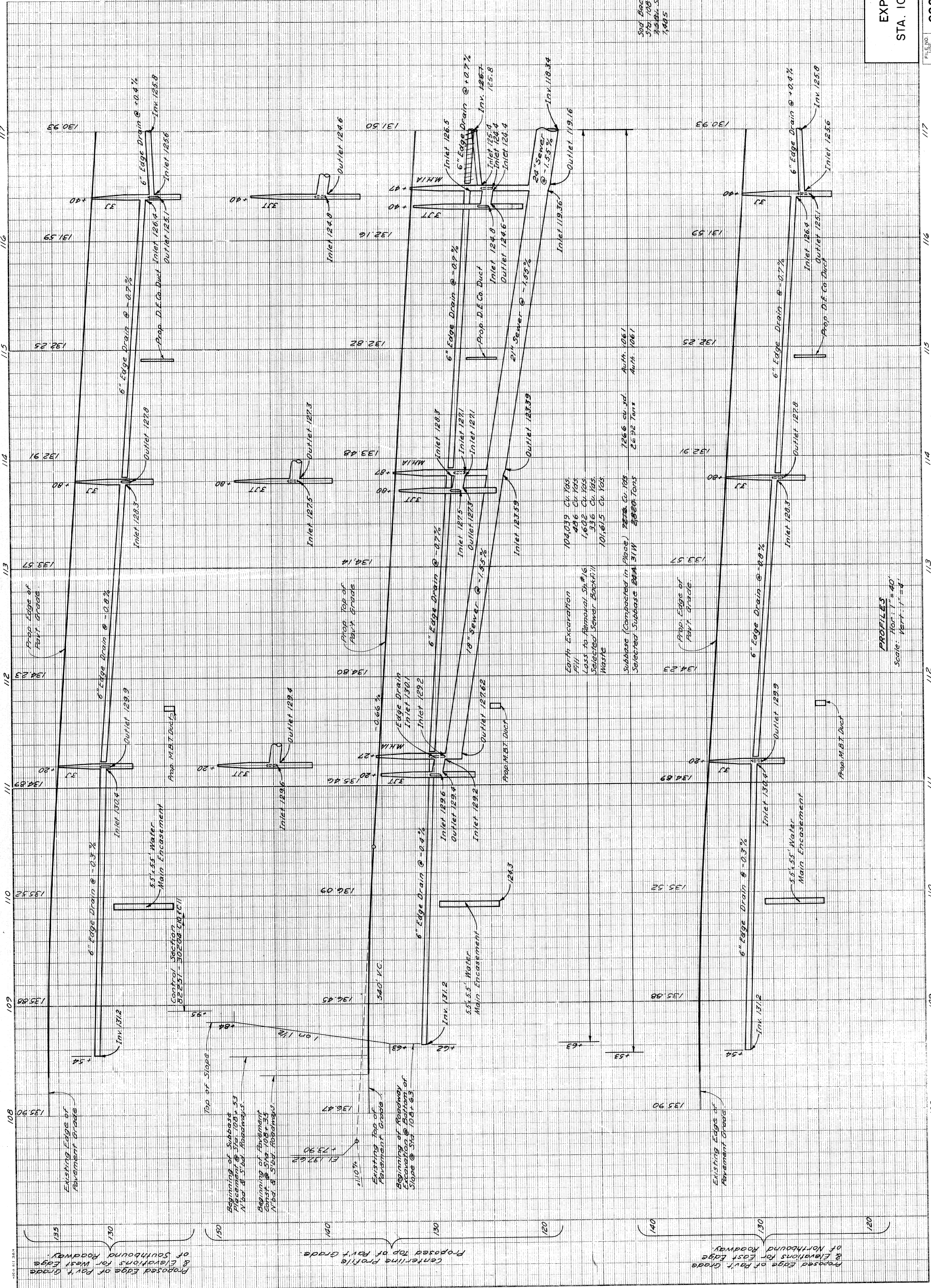
Notes:
For Alignment See Sh # 12
See Auth. 1099 for drainage
charges on Sheets 19 & 20.

EXPRESSWAY ITEMS
STA. 108+35 TO STA. 117+00

FILE NO.	PROJECT	SHEET
82251	1727/22/22	19

PLANS PREPARED BY
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
R-1701 OF THE 3RD AND 5TH FLOOR

STATE	MO	CITY	WYOMING
COUNTY	WYOMING	PROJECT	EXPRESSWAY PROFILES
ROUTE	82251	NO. SHEETS	20
DATE	12/21/20	SHEET NO.	10



Spot Backslopes 1' to 8' 5" for Sta. 108+35 to Sta. 117+00
 7:45 AM - 5:45 PM Class A Soothing
 7:45 AM - 10:00 AM

EXPRESSWAY PROFILES
 STA. 108+35 TO STA. 117+00
 82251 C10

DEPARTMENT OF PUBLIC WORKS
 CITY OF BEAUMONT
 PLANS PREPARED BY

OPERATION	BY	DATE
SURVEYED		
PLAN PLOTTED		
FINAL DESIGN CHECKED		
QUANTITIES CHECKED		
OPERATION		

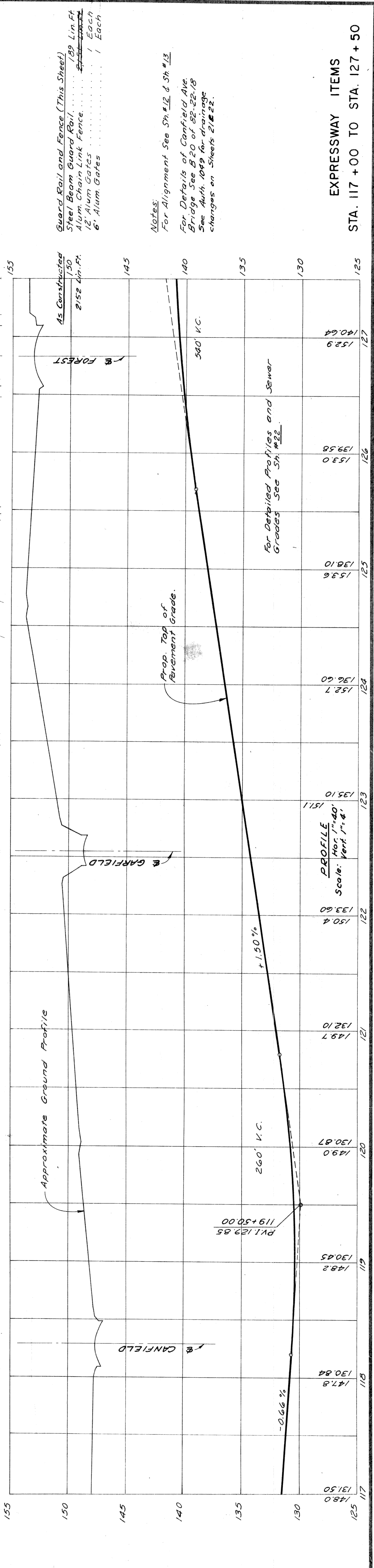
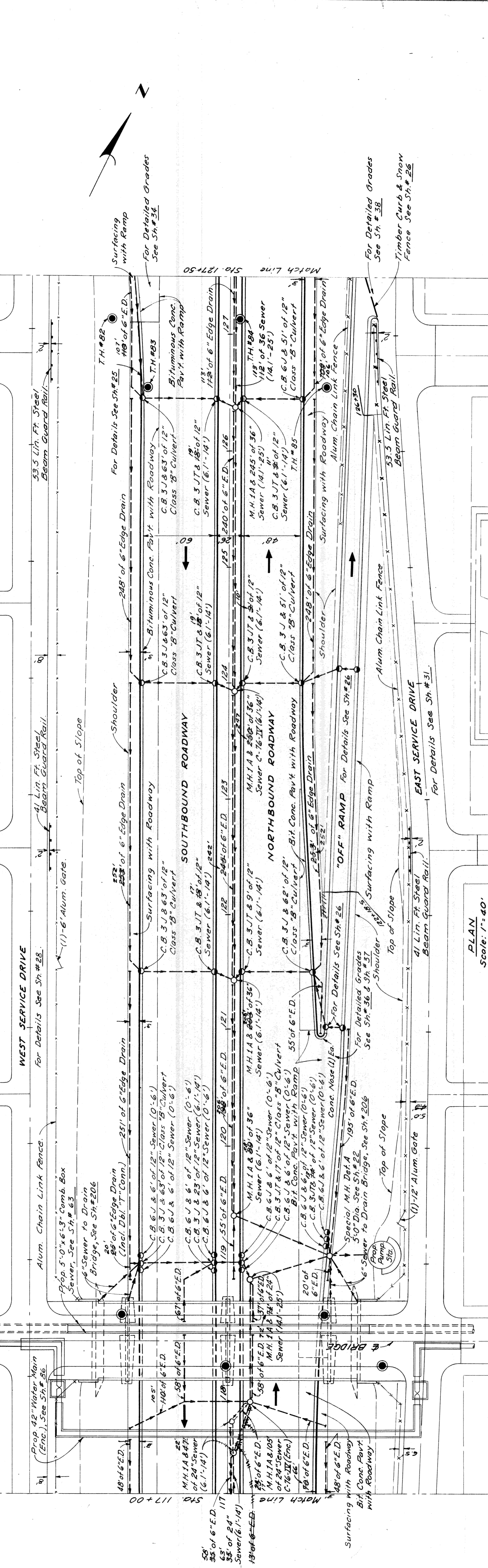
PRELIMINARY Q.C.W. CHECKED
 11/60
 FINAL DESIGN CHECKED
 11/60
 TRACED
 11/60
 QUANTITIES CHECKED
 11/60
 SQUAD
 11/60

OPERATION	BY	DATE

J. W. McCall
 R. J. McCall
 M. B. Long
 M. B. Long

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

STATE	MICH.	PROJ. NO.	175/12052	SHEET NO.	21	TOTAL SHEETS	27
CITY	Wayne	PROJECT	Wayne Detroit	SHEET NO.	21	TOTAL SHEETS	27
DIV. NO.	4	STATE	MICH.	PROJ. NO.	175/12052	SHEET NO.	21
ROUTE	4	COUNTY	Wayne	PROJECT	Wayne Detroit	SHEET NO.	21



Notes:
 For Alignment See Sh. #12 & Sh. #13
 For Details of Canfield Ave. Bridge See B20 of 82-22-18
 See Auth. 1049 for drainage changes on Sheets 21 & 22.

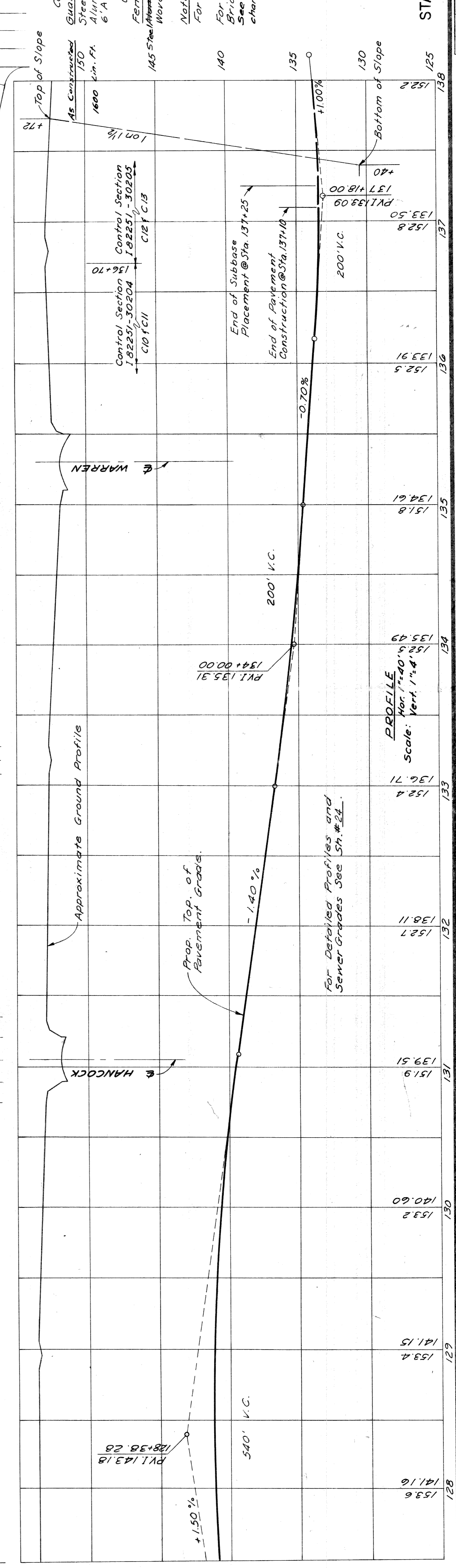
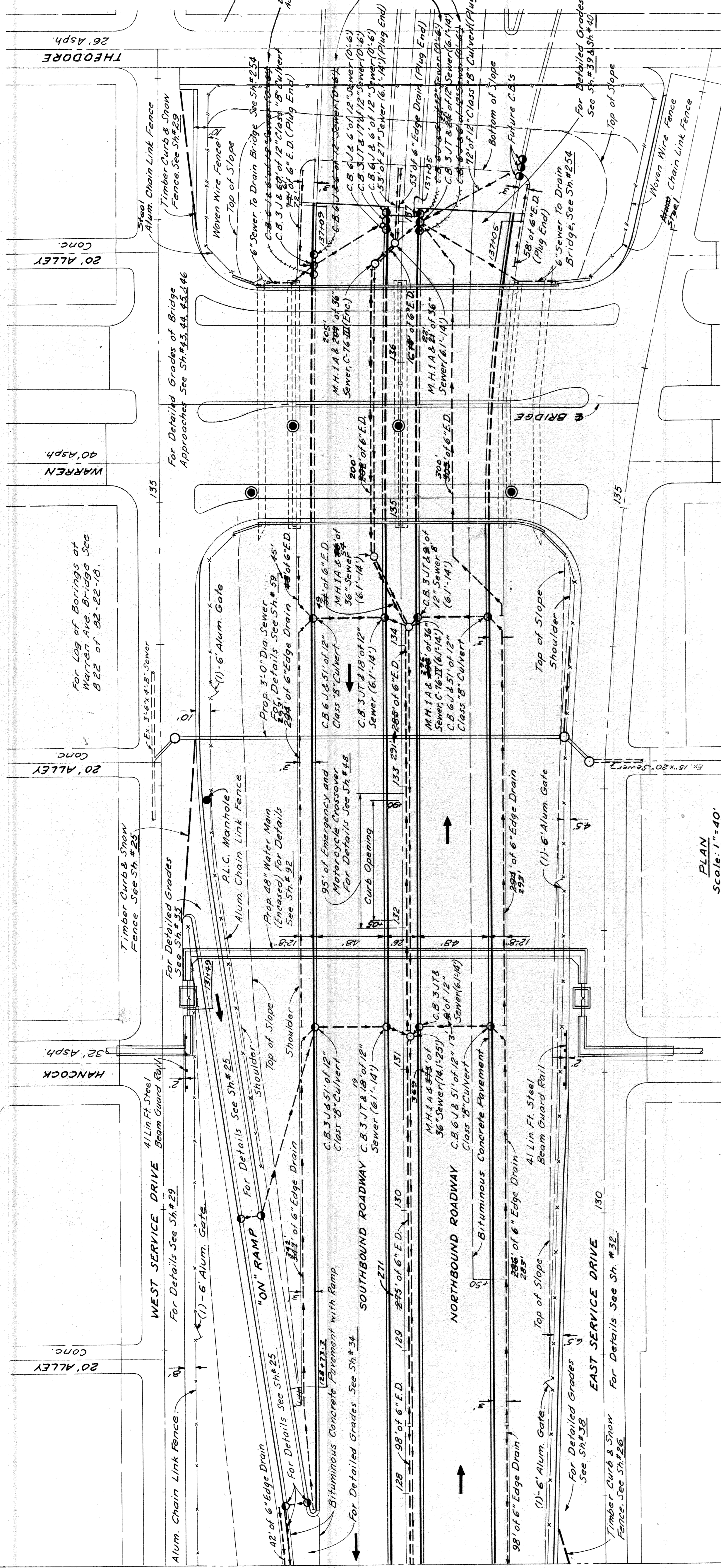
EXPRESSWAY ITEMS
 STA. 117 + 00 TO STA. 127 + 50

FILE NO.	PROJECT	SHEET NO.
82251 C10	82251	21

PLANS RECEIVED BY
 CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING DIVISION
 BUREAU OF HIGHWAYS AND TOWNSHIPS

11/60
 W. J. McQuinn - E. Rindler
 11/60
 J. M. Knox - F. A. Carabian
 11/60
 J. M. Knox - M. J. McQuinn
 11/60
 W. J. McQuinn - J. J. J. J.
 11/60
 R. T. Miller

STATE	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
MICH.	175/22/52			
CITY	ROUTE	COUNTY	SHEET NO.	TOTAL SHEETS
Wayne	82251	Wayne	23	
STATE	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
MICH.	175/22/52			
CITY	ROUTE	COUNTY	SHEET NO.	TOTAL SHEETS
Wayne	82251	Wayne	23	

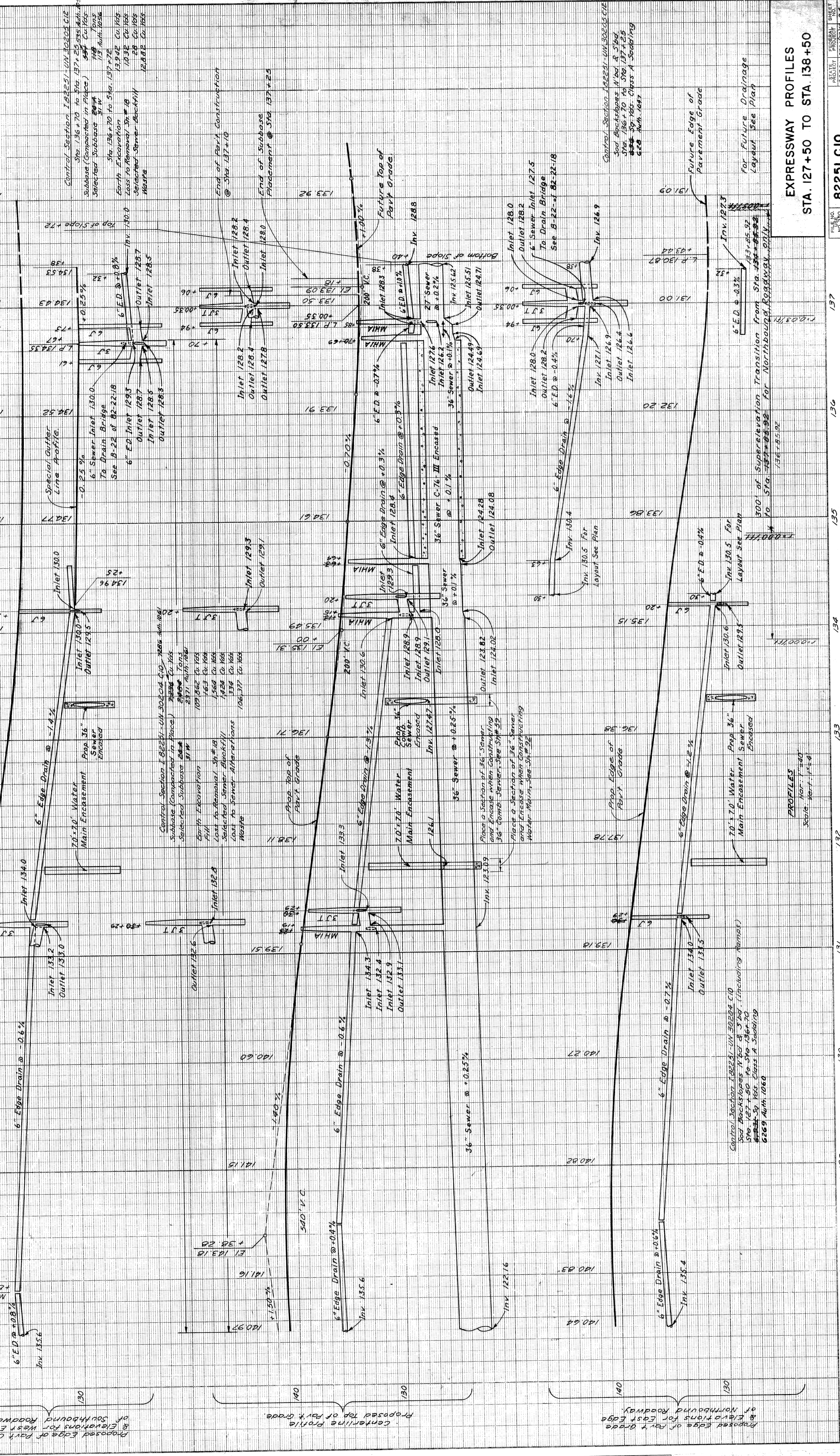


Station	Elevation
127+50	135.6
128	141.6
129	153.4
130	141.5
131	159.5
132	138.1
133	152.4
134	156.7
135	152.5
136	133.9
137	133.5
138	137.1

J.L. Mickel 11/60
 W.J. Curran - E. Kender 11/60
 F.A. Cathlamet - J. Knox 11/60
 J.M. Broad - W.J. McCune 11/60
 W. R. Kieffer 11/60

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

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
MICH.	127-13242		
CITY	COUNTY	CITY	
82251	Wayne	Detroit	24
STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
MICH.			
ROUTE	PRODUCT	COUNTY	
4			



EXPRESSWAY PROFILES
STA. 127+50 TO STA. 138+50

82251 C10

OPERATION	DATE
PRELIMINARY P.L.O. CHECKED	
FINAL DESIGN CHECKED	
FRACED	
QUANTITIES CHECKED	
SQUAD	

OPERATION
DATE

PRELIMINARY P.L.O. CHECKED
FINAL DESIGN CHECKED
FRACED
QUANTITIES CHECKED
SQUAD

OPERATION	DATE
PRELIMINARY P.L.O. CHECKED	
FINAL DESIGN CHECKED	
FRACED	
QUANTITIES CHECKED	
SQUAD	

OPERATION
DATE

PRELIMINARY P.L.O. CHECKED
FINAL DESIGN CHECKED
FRACED
QUANTITIES CHECKED
SQUAD

OPERATION	DATE
PRELIMINARY P.L.O. CHECKED	
FINAL DESIGN CHECKED	
FRACED	
QUANTITIES CHECKED	
SQUAD	

OPERATION
DATE

PRELIMINARY P.L.O. CHECKED
FINAL DESIGN CHECKED
FRACED
QUANTITIES CHECKED
SQUAD

OPERATION	DATE
PRELIMINARY P.L.O. CHECKED	
FINAL DESIGN CHECKED	
FRACED	
QUANTITIES CHECKED	
SQUAD	

OPERATION
DATE

PRELIMINARY P.L.O. CHECKED
FINAL DESIGN CHECKED
FRACED
QUANTITIES CHECKED
SQUAD

OPERATION	DATE
PRELIMINARY P.L.O. CHECKED	
FINAL DESIGN CHECKED	
FRACED	
QUANTITIES CHECKED	
SQUAD	

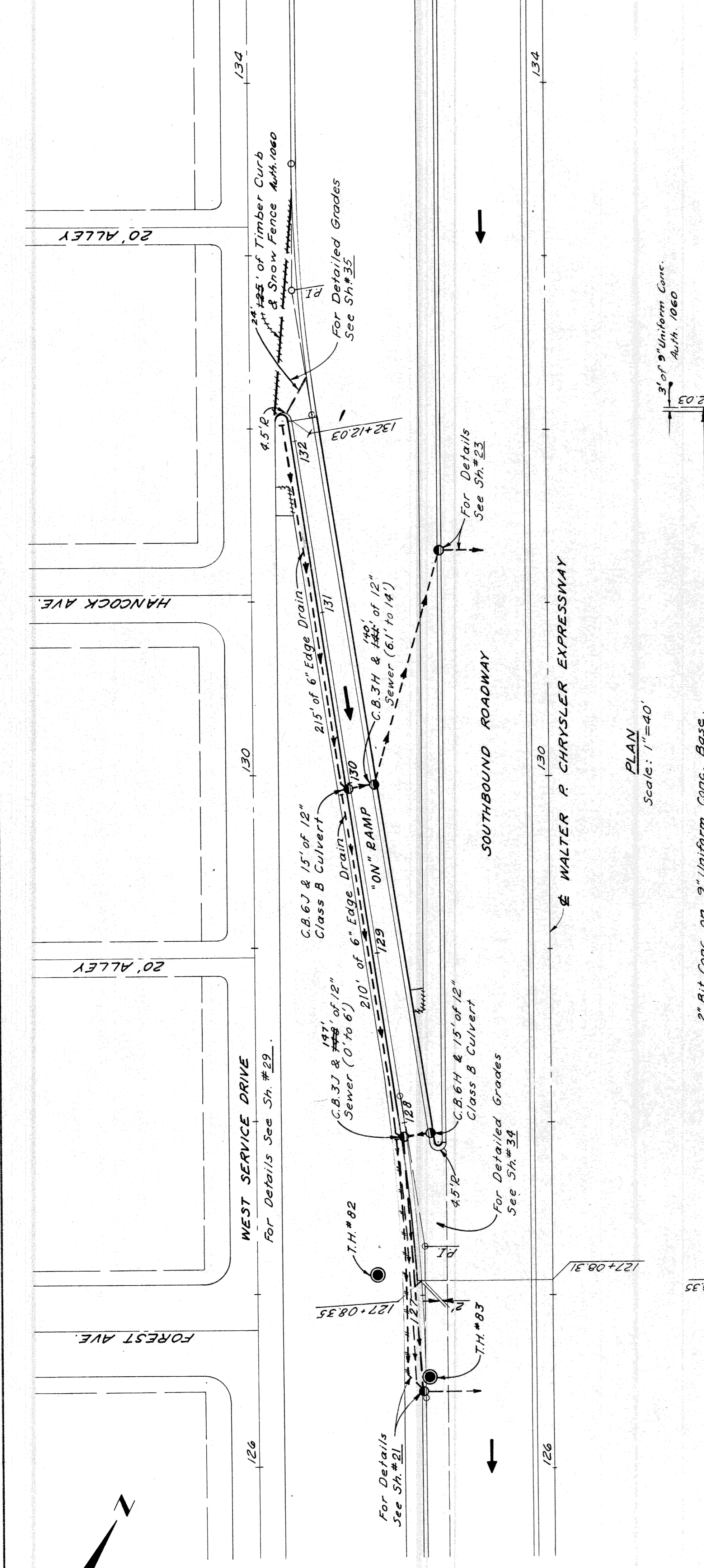
OPERATION
DATE

PRELIMINARY P.L.O. CHECKED
FINAL DESIGN CHECKED
FRACED
QUANTITIES CHECKED
SQUAD

B.P.R. DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	MICH	127122/22	25	25
ROUTE	COUNTY	CITY		
82251	Wayne	Detroit		
B.P.R. DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	MICH	127122/22	25	25
ROUTE	COUNTY			

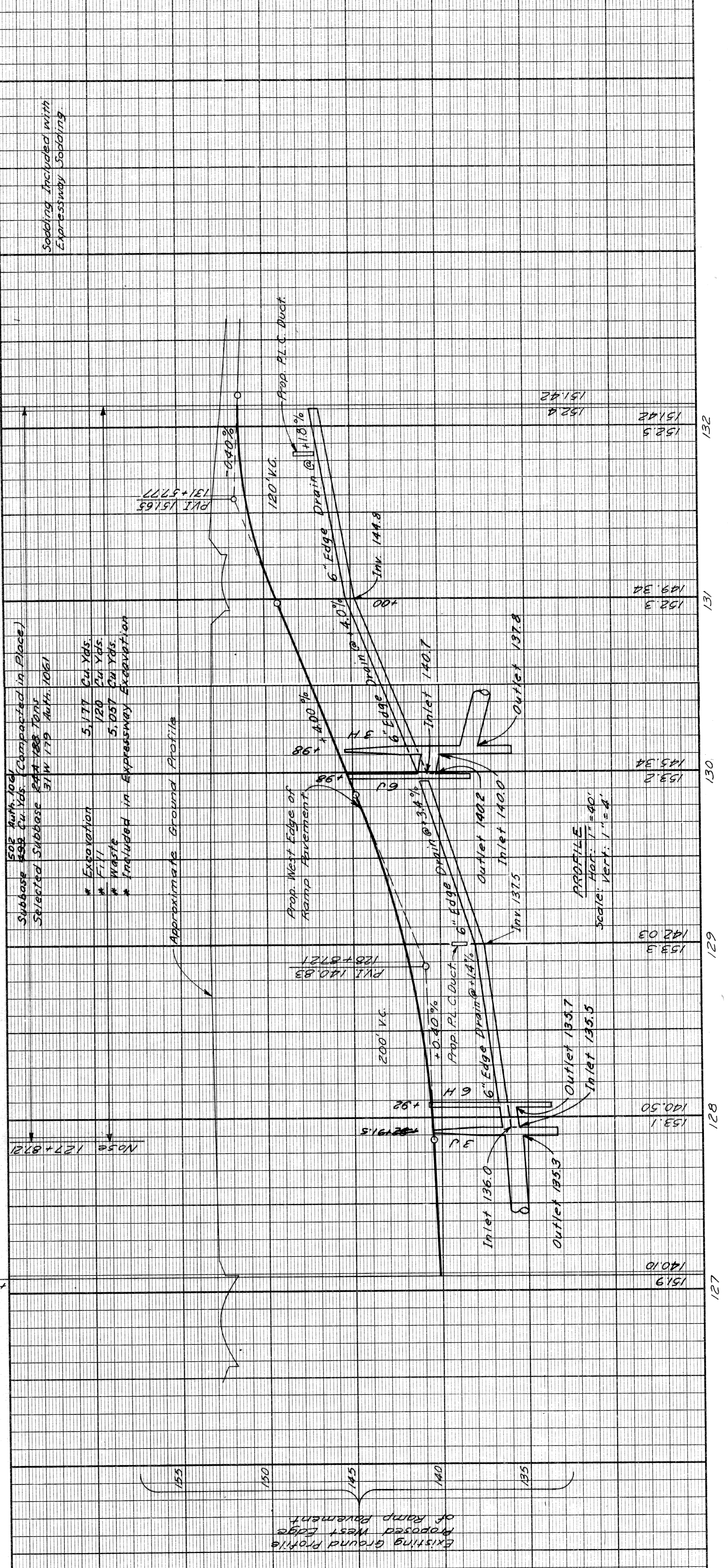
PLANS PREPARED BY
 CHY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 BOARD OF HIGHWAYS AND EXPRESSWAYS

OPERATION	BY	DATE
PRELIMINARY R.O.W. CHECKED		
FINAL DESIGN CHECKED		
FINAL R.O.W. CHECKED		
TRAFFIC QUANTITIES CHECKED		
SQUAD		



PLAN
 Scale: 1"=40'

Notes:
 For Alignment See Sh # 13 & Sh # 14
 For drainage changes See Auth. 1069



- * Excavation 5,177 Cu Yds.
 - * Fill 120 Cu Yds.
 - * Waste 5,057 Cu Yds.
 - * Included in Expressway Excavation
- 50% Auth. 1069 (Completed in Place)
 Subgrade 455 Cu Yds.
 Selected Subgrade 31W 17B Auth. 1069

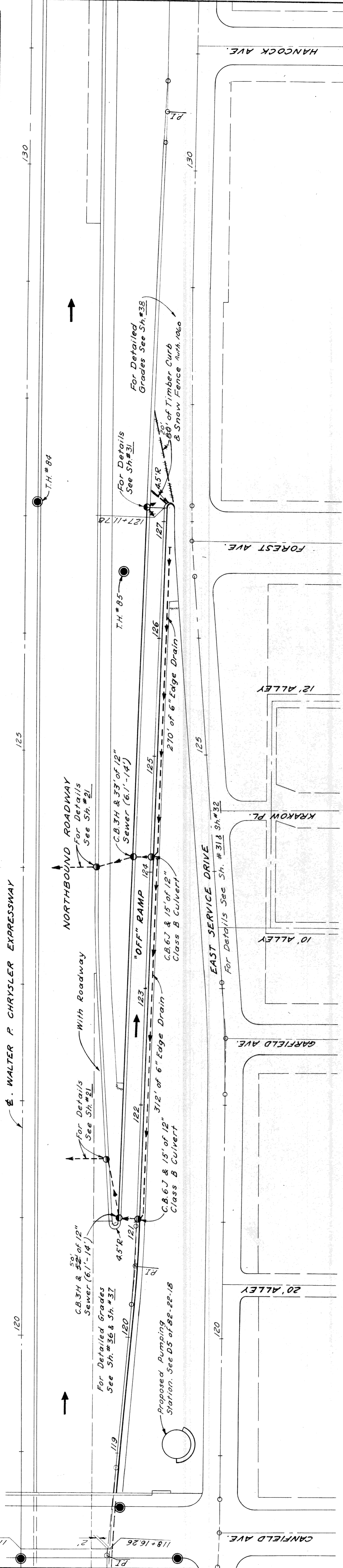
2" Bit Conc. on 9" Uniform Conc. Base.
 3' of 9" Uniform Conc. Auth. 1069

Existing Ground Profile
 Proposed West Edge of Ramp Treatment

PLAN AND PROFILE FOR
 SOUTHBOUND "ON" RAMP

OPERATION	BY	DATE
SURVEYED	J.V. Wickley - E. Kandler	11/60
PLAN PLOTTED	J.B. Pifer	11/60
PLAN CHECKED	J.B. Pifer	11/60
PROFILE PLOTTED	W.K. Koker	11/60
PROFILE CHECKED	W.K. Koker	11/60
PRELIMINARY GRADE INSPECTION	W.K. Koker	11/60
FEDERAL INSPECTION		

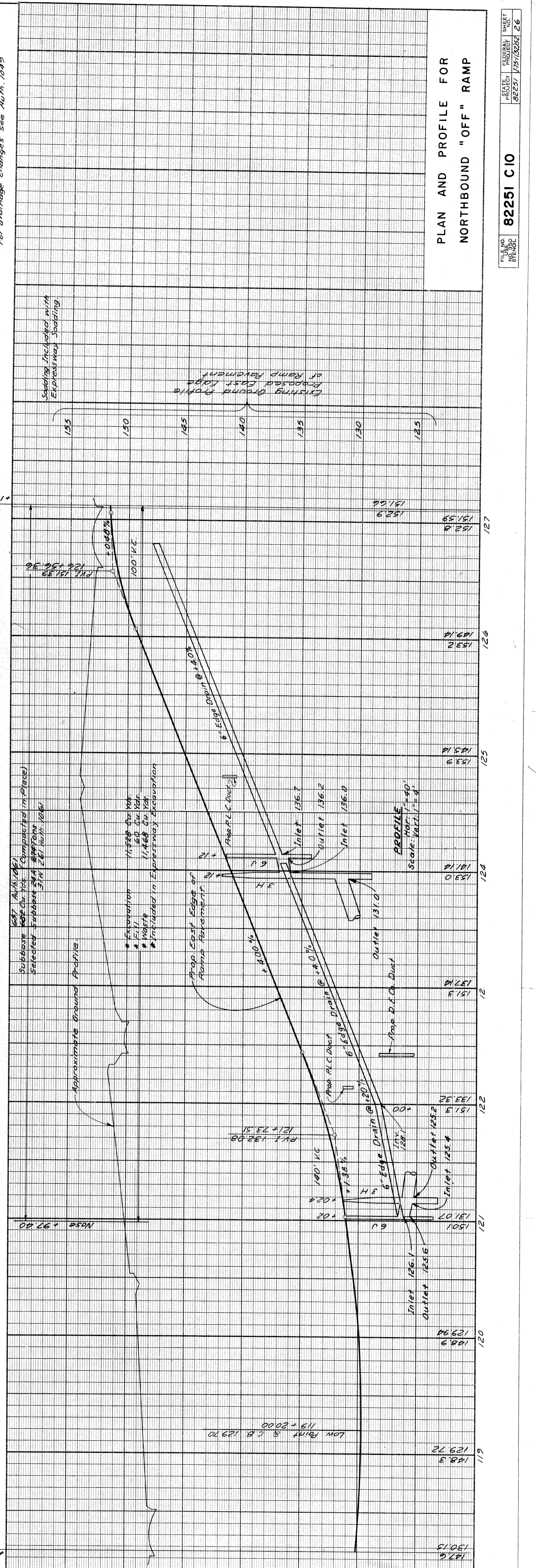
STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MICH.	22251	1952	26	26
COUNTY	CITY	PROJECT	SHEET NO.	TOTAL SHEETS
Wayne	Detroit	82251	26	26
ROUTE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	22251	1952	26	26



PLAN Scale: 1"=40'

2" Bit Conc. on 9" Uniform Conc. Base.

Note: For Alignment see Sh #12 & Sh #13
For Drainage changes see Auth. 1049



PLANS prepared by
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
BUREAU OF HIGHWAYS AND EXPRESSWAYS

OPERATION	DATE	BY
PRELIMINARY R.O.W. CHECKED		
FINAL DESIGN CHECKED		
TRACED		
QUANTITIES CHECKED		
SQUAD		

OPERATION	DATE	BY
SURVEYED	11/50	R.B. Plater - E. Kender
PLAN PLOTTED	11/50	R.B. Plater - E. Kender
PLAN CHECKED	11/50	R.B. Plater - E. Kender
PROFILE PLOTTED	11/50	R.B. Plater - E. Kender
PRELIMINARY GRADE	11/50	R.B. Plater - E. Kender
GRADE INSPECTION	11/50	R.B. Plater - E. Kender
FEDERAL INSPECTION	11/50	R.B. Plater - E. Kender

Low Point & C.B. 129.70
119 + 20.00

Approximate Ground Profile.

Excavation 11.400 cu. yds.
Fill 11.400 cu. yds.
Waste 11.400 cu. yds.
* Included in Expressway Excavation

Prop. East Edge of Ramp Retainment.

Prop. A.C. Drain @ +20.71

Prop. A.C. Drain @ +4.03

Prop. A.C. Drain @ +12

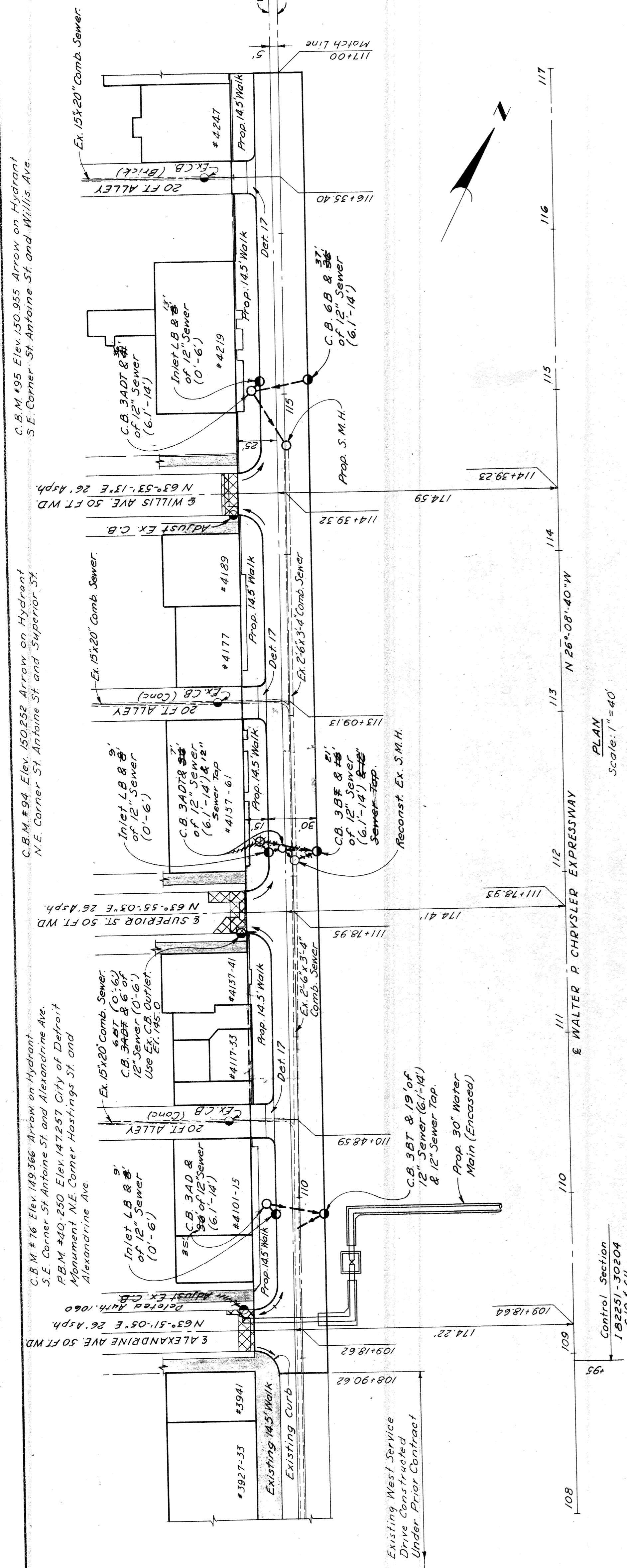
Prop. A.C. Drain @ +4.03

Prop. D.I.C. Drain

J.P. Wickley
R.B. Plater - E. Kender
R.B. Plater - E. Kender
R.B. Plater - E. Kender
R.B. Plater - E. Kender
R.B. Plater - E. Kender
R.B. Plater - E. Kender

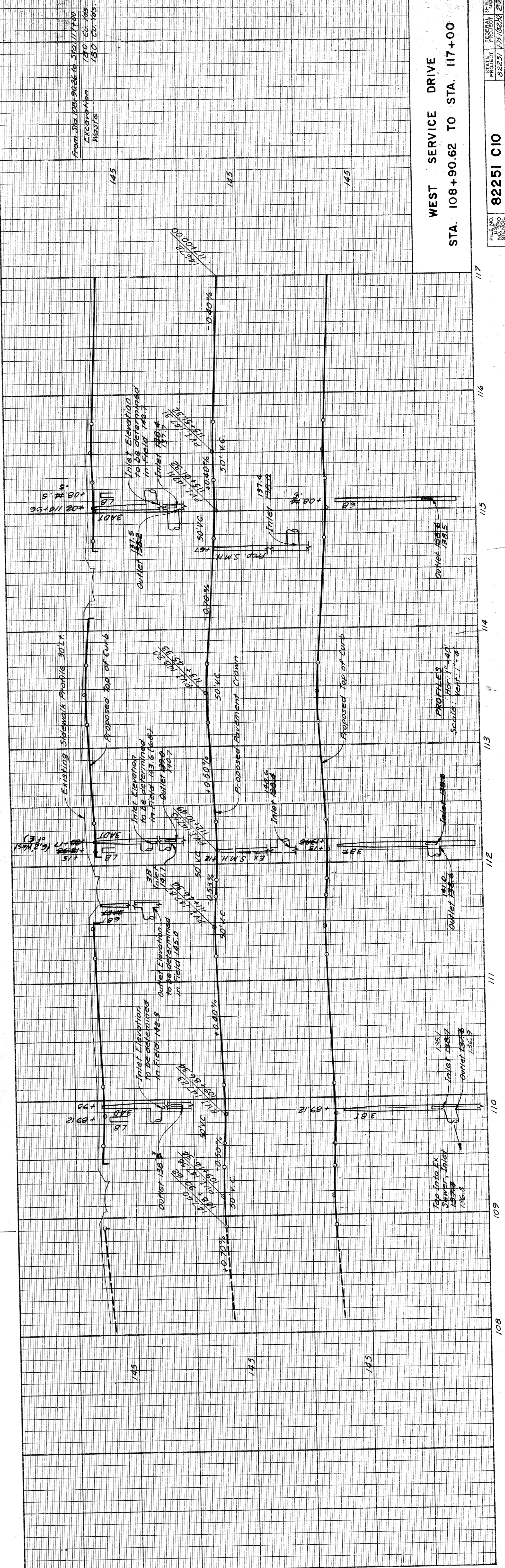
PLAN AND PROFILE FOR
NORTHBOUND "OFF" RAMP

STATE	MICH.	FISCAL YEAR	1957-1958	SHEET NO.	27	TOTAL SHEETS	27
COUNTY	WAYNE	CITY	DETROIT	PROJECT NO.	82251	PROJECT NAME	WEST SERVICE DRIVE
ROUTE	108	SECTION	108+90.62 TO 108+117.00	DATE	1/22/57	BY	J. F. WICKLEY



PLAN Scale: 1" = 40'

9" Uniform Concrete Pavement
Concrete Curb Detail 2, Lt & Rt.



WEST SERVICE DRIVE
STA. 108+90.62 TO STA. 117+00

PROJECT NO. 82251 CIO
DATE 1/22/57

Notes:
For Alignment, See Sh. #12
All Street Repairs, 5" R Unless
Otherwise Noted.
All Alley Repairs, 3" R Unless
Otherwise Noted.
Existing Sidewalk to remain.
For drainage changes see Auth.
1096 unless otherwise noted.
For surfacing changes see Auth. 1060

Remove Asphalt surface shown cross-hatched to provide for a smooth connection and to adjust crown. Replace with Bituminous Concrete Pavement.

Station	Remove Ex. Asphalt Surface Bit. Conc. Pavt. Sq. Yds.	Replace with Bit. Conc. Pavt. Sq. Yds.
109+19	29 71	29 71
111+79	29 272	29 272
114+39	29 70	29 70
Totals	87 41.3	87 41.3

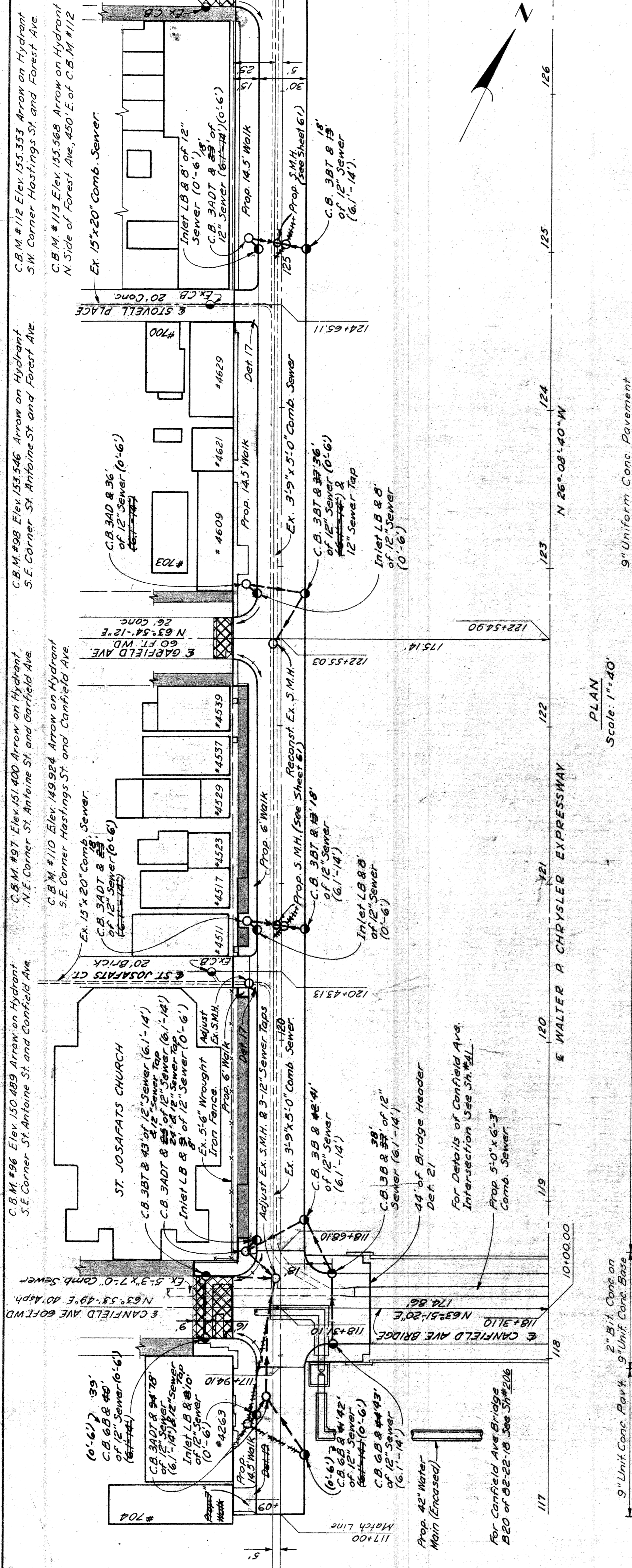
Station	8" Unif. Conc. Pavt. Sq. Yds.	Conc. Drive Return Det. 17 Lin. Ft.
110+49	22.2	30
113+09	22.2	30
116+35	22.2	30
Totals	66.6	90

OPERATION	PRELIMINARY R.O.W. CHECKED	DATE
BY		
OPERATION	FINAL DESIGN CHECKED	DATE
BY		
OPERATION	FINAL R.O.W. CHECK	DATE
BY		
OPERATION	QUANTITIES CHECKED	DATE
BY		

OPERATION	SURVEYED	DATE
BY		
OPERATION	PLAN PLOTTED	DATE
BY		
OPERATION	PROFILES CHECKED	DATE
BY		
OPERATION	PRELIMINARY GRADE	DATE
BY		
OPERATION	FEDERAL INSPECTION	DATE
BY		

J. F. WICKLEY
R. P. WICKLEY
J. R. WICKLEY
W. J. WICKLEY
K. R. WICKLEY

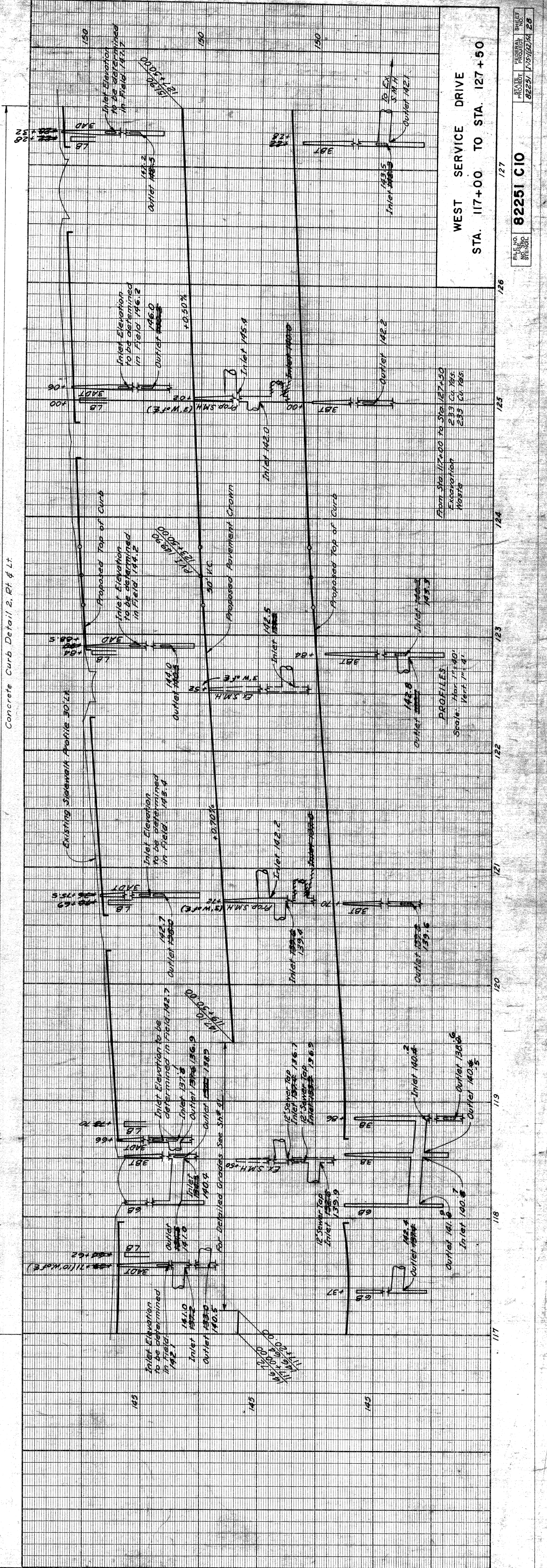
STATE	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
MI	WAYNE	DETROIT	28	28



Station	Remove Ex. Asphalt Surface Sq. Yds.	Bit Conc. Paving Sq. Yds.
117+31	44	44
122+55	31.5	31.5
126+80	146.7	146.7
Totals	222.2	222.2

Station	8" Unif. Conc. Pavt. Sq. Yds.	Conc. Drive Ramps Lin. Ft.
120+43	22.2	30
124+65	22.2	30
Totals	44.4	60

Station	Driveway Opening Def. 19 Lin. Ft.	18" O Lin. Ft.	24" O Lin. Ft.
117+09	18.0	0	0
Total	18.0	0	0



OPERATION	DATE
OPERATION	
BY	

OPERATION	DATE
OPERATION	
BY	

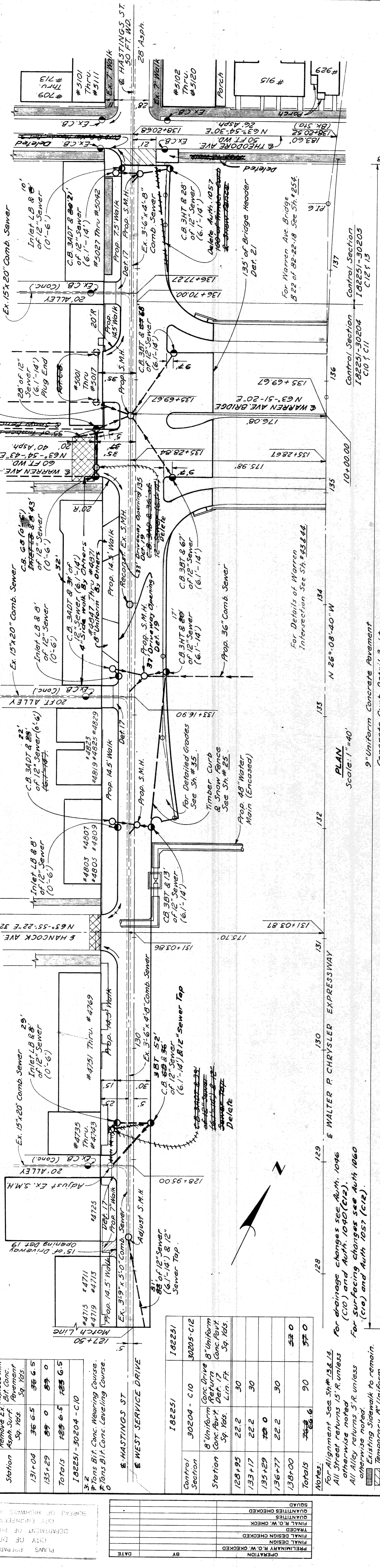
PLANS PREPARED BY: J.V. WICKERY, R. J. HENDERSON, W. J. MCGUIRE, J. W. WICKERY

CITY OF DETROIT, DEPARTMENT OF PUBLIC WORKS, BUREAU OF HIGHWAYS AND EXPRESSWAYS

PROJECT: 82251 C10, WEST SERVICE DRIVE, STA. 117+00 TO STA. 127+50

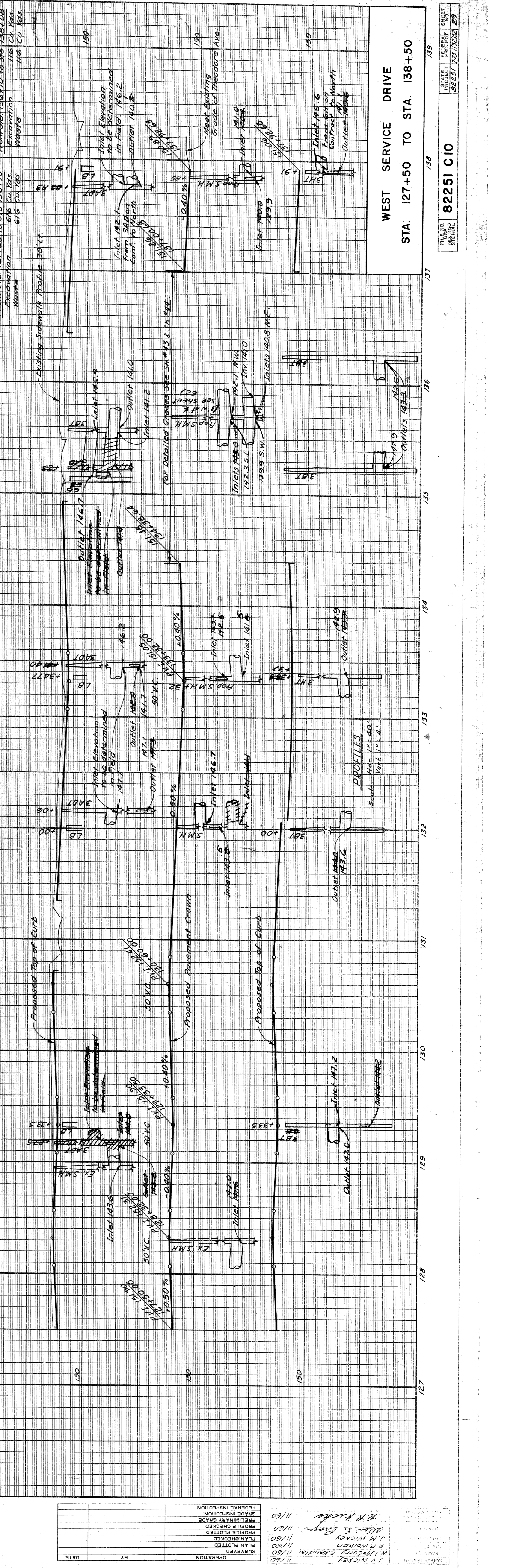
DATE: 1/25/24

STATION	REPLACE EX. BIT CONC. ASPHALT SURF. AV. 156.5	REPLACE EX. BIT CONC. ASPHALT SURF. AV. 156.5	REPLACE EX. BIT CONC. ASPHALT SURF. AV. 156.5
131+04	36 6.5	36 6.5	36 6.5
135+29	39 0	39 0	39 0
TOTALS	75 6.5	75 6.5	75 6.5



PLAN
 Scale: 1"=40'

9" Uniform Concrete Pavement
 Concrete Curb & Gutter Detail 2, Lt.



STATE	MICH.	PROJ. NO.	725/3252	SHEET NO.	30
CITY	Wayne	COUNTY	Wayne	PROJECT	82251
ROUTE	108	PROJECT	82251	SHEET NO.	30

F.B.M. #40-250 A Elev 146.683 City of Detroit
 Monument, N.E. Corner Rivard St and Alexandrine Ave.
 C.B.M. #109 Elev 149.862 Arrow on Hydrant
 N.W. Corner Rivard St and Superior St.
 C.B.M. #107 Elev 151.410 Arrow on Hydrant
 S.W. Corner Rivard St and Canfield Ave.

F.B.M. #108 Elev 149.802 Arrow on Hydrant
 N.W. Corner Rivard St and Willis Ave.
 C.B.M. #107 Elev 151.410 Arrow on Hydrant
 S.W. Corner Rivard St and Canfield Ave.

F.B.M. #40-250 A Elev 146.683 City of Detroit
 Monument, N.E. Corner Rivard St and Alexandrine Ave.
 C.B.M. #109 Elev 149.862 Arrow on Hydrant
 N.W. Corner Rivard St and Superior St.
 C.B.M. #107 Elev 151.410 Arrow on Hydrant
 S.W. Corner Rivard St and Canfield Ave.

F.B.M. #40-250 A Elev 146.683 City of Detroit
 Monument, N.E. Corner Rivard St and Alexandrine Ave.
 C.B.M. #109 Elev 149.862 Arrow on Hydrant
 N.W. Corner Rivard St and Superior St.
 C.B.M. #107 Elev 151.410 Arrow on Hydrant
 S.W. Corner Rivard St and Canfield Ave.

Station	Remove Asphalt Surface 5% Yds.	Remove Exist Bit Conc. Pavement 5% Yds.	Replace with Bit Conc. Pavement 5% Yds.
109+21	235.2	232.9	235.2
111+81	232.5	232.9	232.9
114+42	236.3	236.3	236.3
Totals	235.14	236.14	236.14

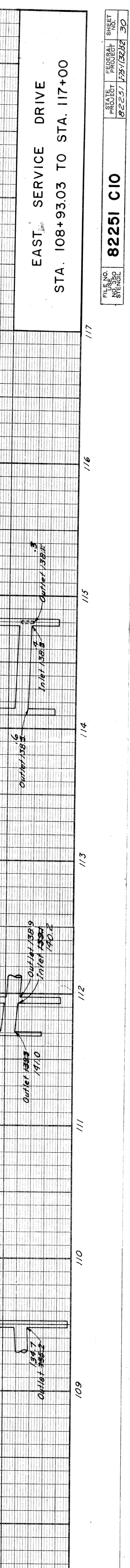
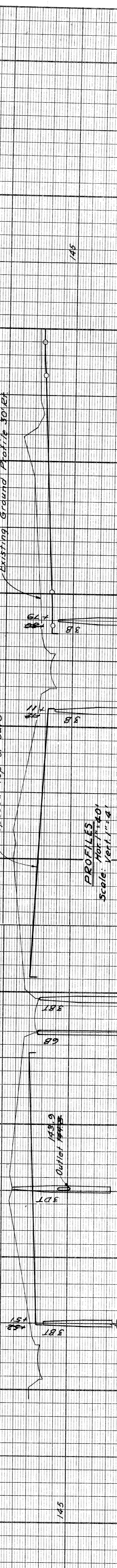
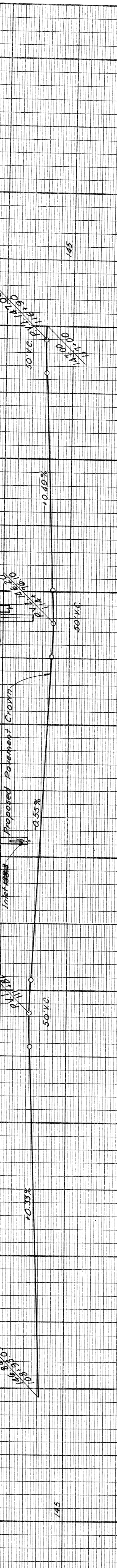
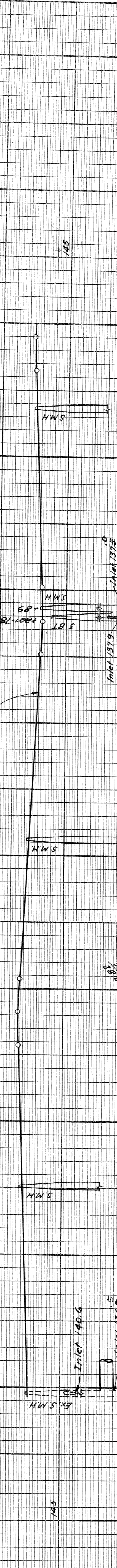
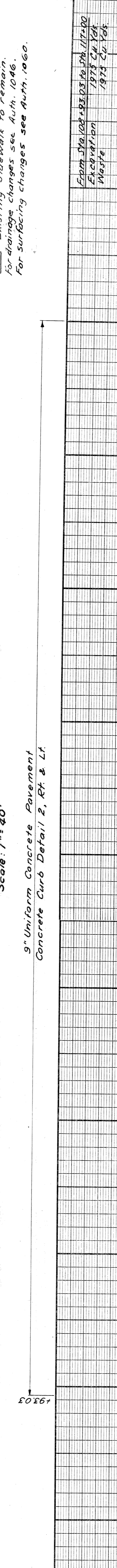
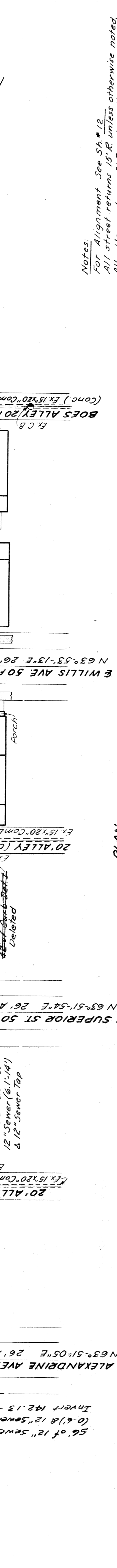
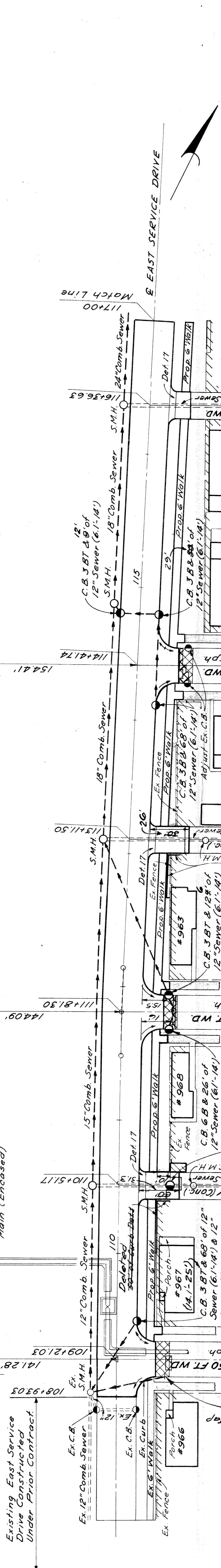
32.25 Tons Bit Conc. Wearing Course
 0.8 Tons Bit Conc. Leveling Course

Station	8" Uniform Conc. Drive Pavement Return Det. Ft.	90
110+51	47.0	30
113+11	46.5	30
116+37	222	30
Totals	1157	90

Station	8" Uniform Conc. Drive Pavement Return Det. Ft.	90
110+51	47.0	30
113+11	46.5	30
116+37	222	30
Totals	1157	90

Station	8" Uniform Conc. Drive Pavement Return Det. Ft.	90
110+51	47.0	30
113+11	46.5	30
116+37	222	30
Totals	1157	90

Station	8" Uniform Conc. Drive Pavement Return Det. Ft.	90
110+51	47.0	30
113+11	46.5	30
116+37	222	30
Totals	1157	90



EAST SERVICE DRIVE
 STA. 108+93.03 TO STA. 117+00

PLAN
 Scale: 1" = 40'

Notes:
 For Alignment See S4*12
 All street returns 15' R unless otherwise noted.
 All alley returns 5' R unless otherwise noted.
 Existing Sidewalk to remain.
 For drainage changes see Auth. 1046.
 For surfacing changes see Auth. 1060.

From Sta 108+93.03 to Sta 117+00
 Excavation
 1978 Ch 104
 1973 Ch 105

BY	DATE	OPERATION
W.M. Kandler	11/60	SURVEY
J.V. Wickon	11/60	PLAN CHECKED
J.V. Wickon	11/60	PROFILE PLOTTED
J.V. Wickon	11/60	FLYLINE CHECKED
J.V. Wickon	11/60	PROFILES CHECKED
J.V. Wickon	11/60	FIELDWORK CHECKED
J.V. Wickon	11/60	GRADE INSPECTION
J.V. Wickon	11/60	FEDERAL INSPECTION

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
MI.	127-113202E	37	37

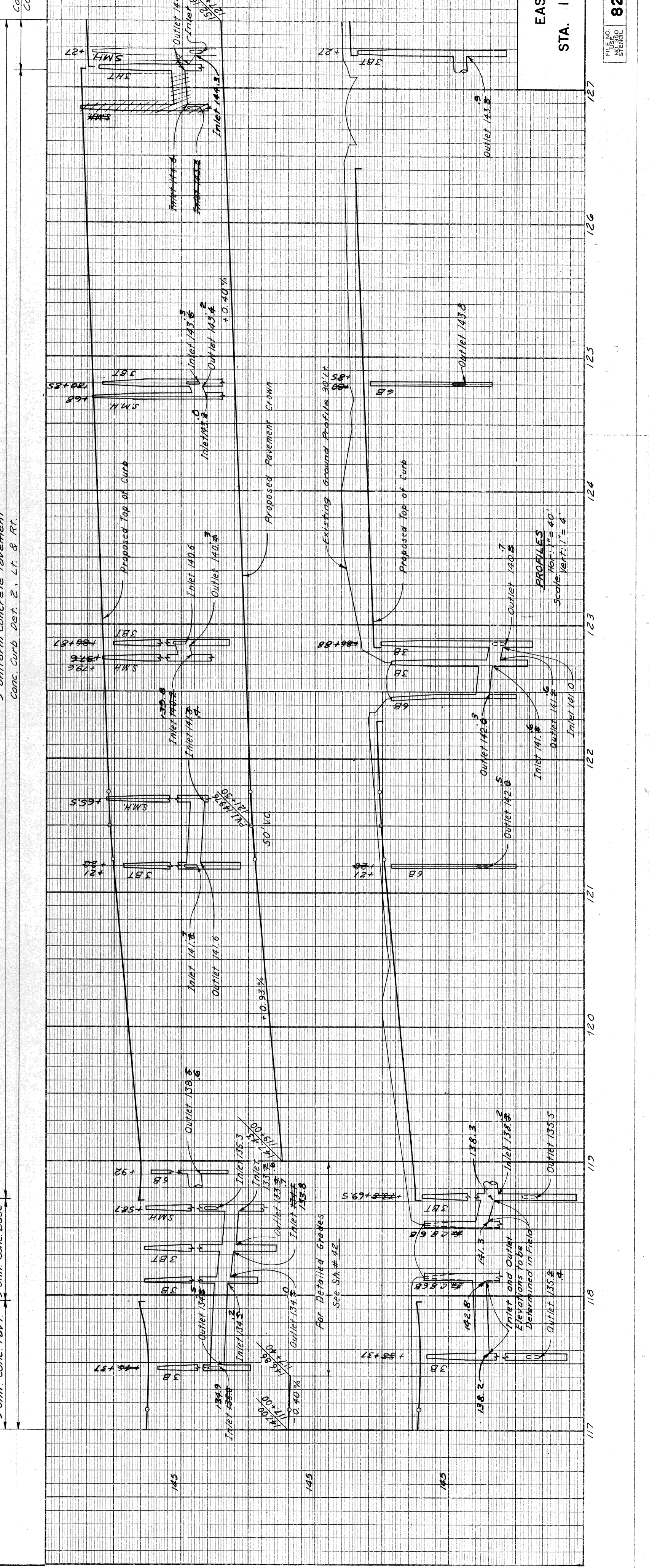
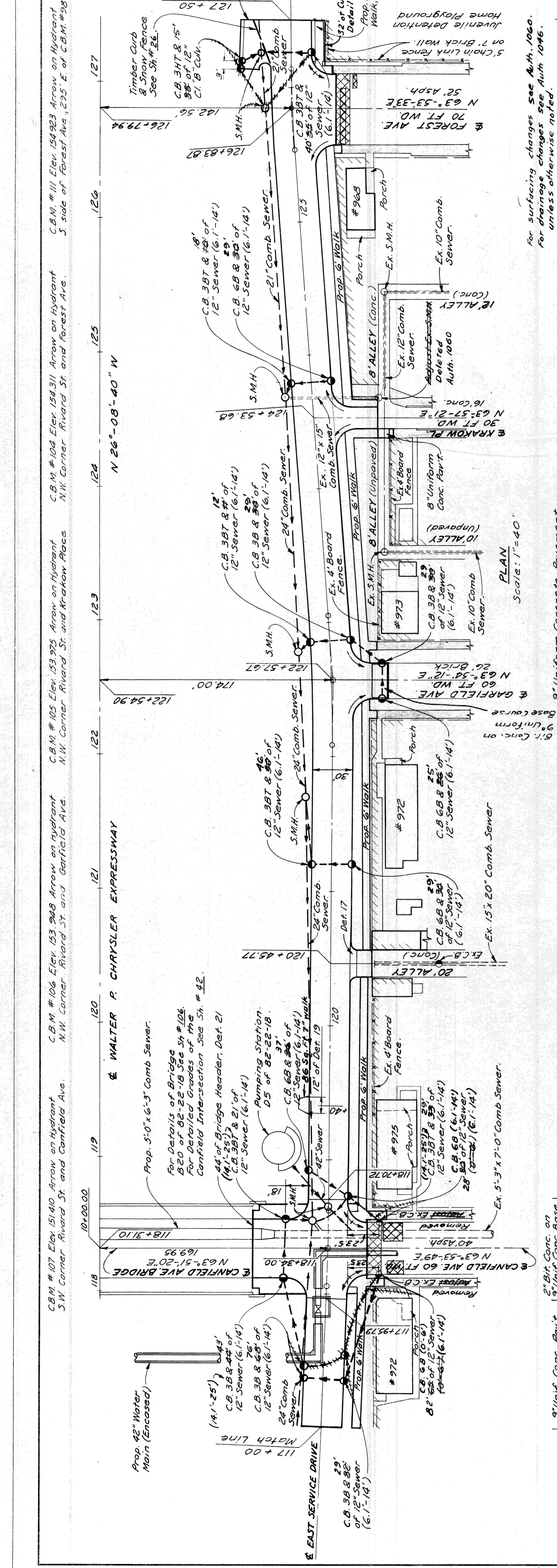
STATION	REMOVE EX. ASPHALT SURFACE	BIT CONC. ASPHALT SURFACE	8" UNIF. CONC. BASE	CONC. DRIVE CURB
122+58	59.105	59.105	59.105	59.105
122+34	44.433	44.433	44.433	44.433
126+84	57.819	57.819	57.819	57.819
126+15	40.252	40.252	40.252	40.252
TOTALS	201.617	201.617	201.617	201.617

STATION	8" UNIF. CONC. BASE	CONC. DRIVE CURB
120+46	22.2	22.2
124+54	5.3	5.3
TOTALS	27.5	27.5

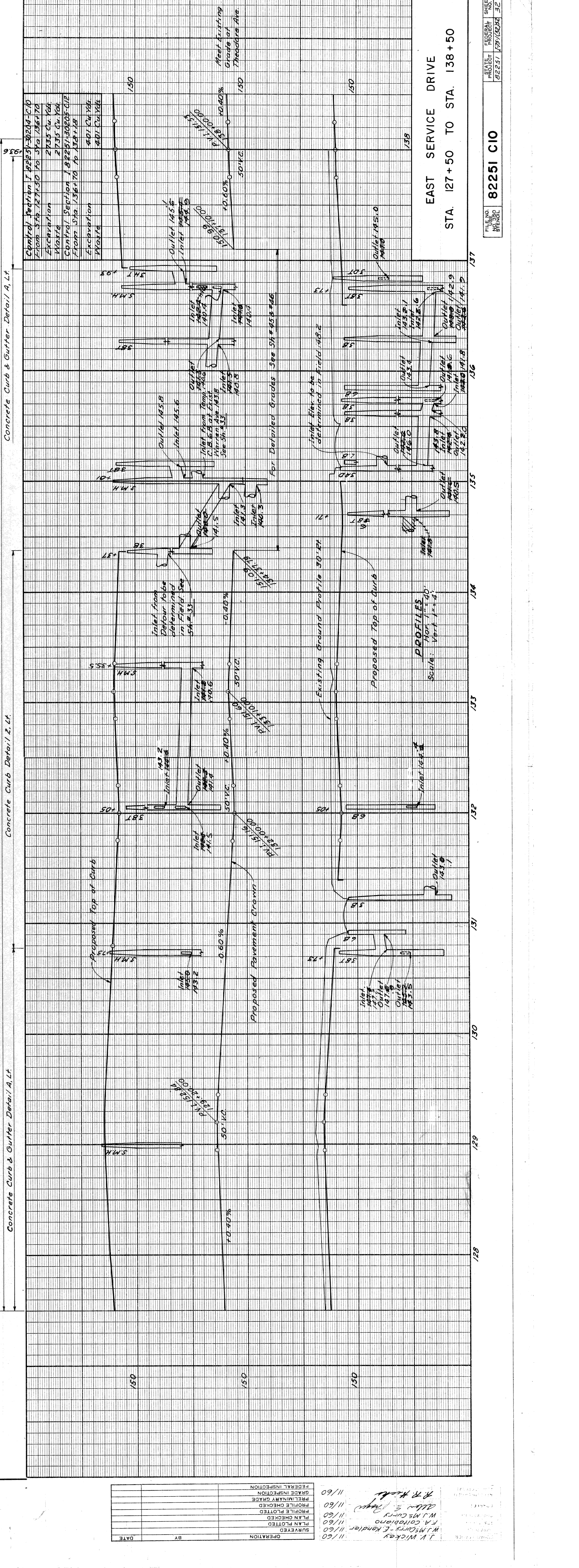
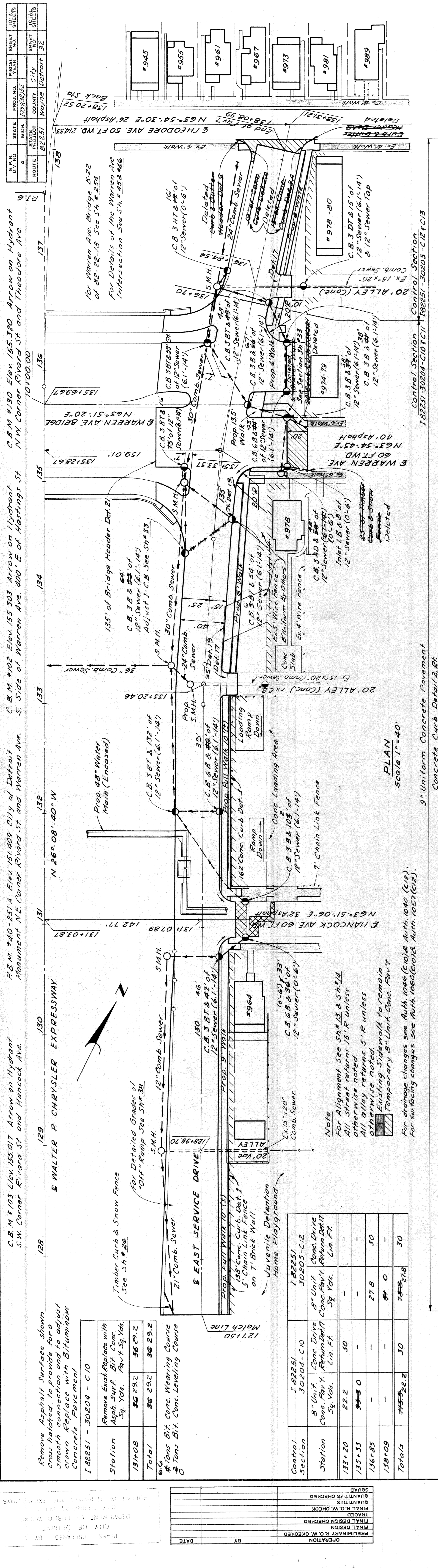
Remove Asphalt Surface shown cross-hatched to provide for a smooth connection and to adjust crown. Replace with Bituminous Concrete Pavement.

Notes:
For Alignment See Sh #12413.
All Street Returns 15' R UNLESS OTHERWISE NOTED.
All Alley Returns 5' R UNLESS OTHERWISE NOTED.
Existing Sidewalk to remain.

Concrete Curb & Outlet Det. A.L.T.
Concrete Curb Det. 2, R.T.



EAST SERVICE DRIVE
STA. 117+00 TO STA. 127+50



Remove Asphalt Surface shown cross hatched to provide for a smooth connection and to adjust crown. Replace with Bituminous Concrete Pavement

Station	Remove Existing Asphalt Surf. Sq. Yds.	Replace with Bit. Conc. Pav. Sq. Yds.
131+08	35.292	35.292
Total	35.292	35.292

606 *Tons Bit. Conc. Wearing Course
 0 *Tons Bit. Conc. Leveling Course

Control Section	Station	8" Unit Conc. Drive Conc. Pav't. Sq. Yds.	8" Unit Conc. Drive Conc. Pav't. Return Det't. Lin. Ft.
133+20	133+20	30	-
135+33	135+33	0	27.8
136+09	136+09	0	0
Totals	133+20 to 136+09	30	27.8

Note: For Alignment See 54" 18" & 54" 18" All street returns 15" R unless otherwise noted. All alley returns 5" R unless otherwise noted. Existing Sidewalk to remain in place. Temporary 8" Unit Conc. Pav't.

For drainage changes see Auth. 1096 (C10) & Auth. 1090 (C12). For surfacing changes see Auth. 1060 (C02) & Auth. 1057 (C12).

9" Uniform Concrete Pavement
 Scale 1"=40'

Control Section
 182251-30204-C10-11
 182251-30205-C12-C13

Concrete Curb & Gutter Detail A, L.T.

Concrete Curb & Gutter Detail 2, R.T.

Concrete Curb & Gutter Detail 1, L.T.

Remove Asphalt Surface shown cross hatched to provide for a smooth connection and to adjust crown. Replace with Bituminous Concrete Pavement

Station	Remove Existing Asphalt Surf. Sq. Yds.	Replace with Bit. Conc. Pav. Sq. Yds.
131+08	35.292	35.292
Total	35.292	35.292

606 *Tons Bit. Conc. Wearing Course
 0 *Tons Bit. Conc. Leveling Course

Control Section	Station	8" Unit Conc. Drive Conc. Pav't. Sq. Yds.	8" Unit Conc. Drive Conc. Pav't. Return Det't. Lin. Ft.
133+20	133+20	30	-
135+33	135+33	0	27.8
136+09	136+09	0	0
Totals	133+20 to 136+09	30	27.8

Note: For Alignment See 54" 18" & 54" 18" All street returns 15" R unless otherwise noted. All alley returns 5" R unless otherwise noted. Existing Sidewalk to remain in place. Temporary 8" Unit Conc. Pav't.

For drainage changes see Auth. 1096 (C10) & Auth. 1090 (C12). For surfacing changes see Auth. 1060 (C02) & Auth. 1057 (C12).

9" Uniform Concrete Pavement
 Scale 1"=40'

Control Section
 182251-30204-C10-11
 182251-30205-C12-C13

Concrete Curb & Gutter Detail A, L.T.

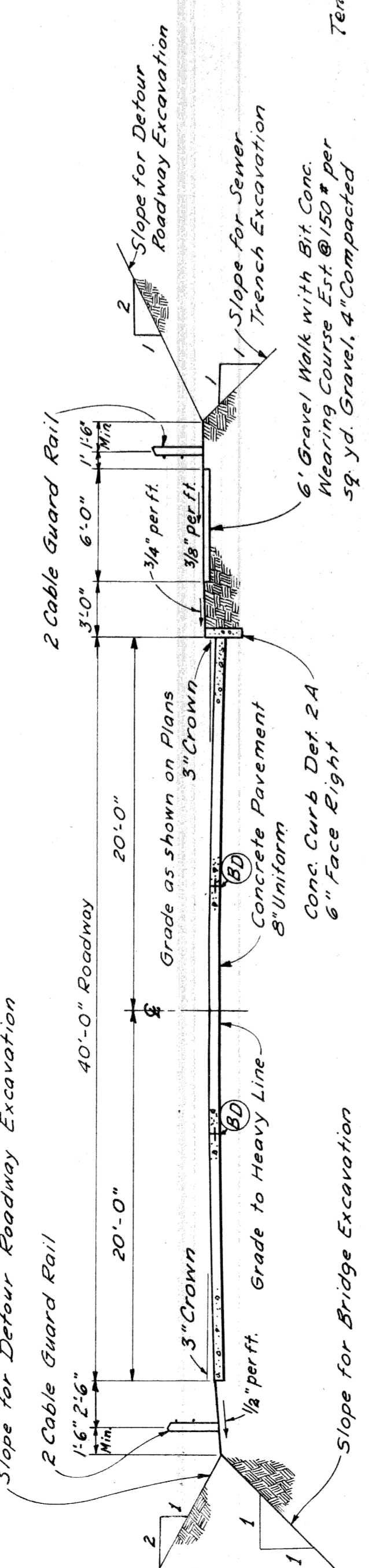
Concrete Curb & Gutter Detail 2, R.T.

Concrete Curb & Gutter Detail 1, L.T.

PLANS PREPARED BY
 CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERS, ENGINEERS
 SURVEYORS AND ARCHITECTS

P.B.M. #40-231 Elev 151.823 City of Detroit Monument
 N.E. Corner Hastings St. and Warren Ave.
 C.B.M. #102 Elev 155.303 Arrow on Hydrant
 S. Side of Warren Ave. 400' E. of Hastings St.

Remove Asphalt Surface shown
 cross hatched to provide for a
 smooth connection and to adjust
 crown. Replace with Bituminous
 Concrete Pavement.
 140 Sq. Yds. Bituminous Concrete
 0.4 Tons Bit. Conc. Leveling Course
 39.6 3/4 Tons Bit. Conc. Wearing Course



TYPICAL SECTION FOR DETOUR ROADWAY

STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MI.	1925/1926	33	33

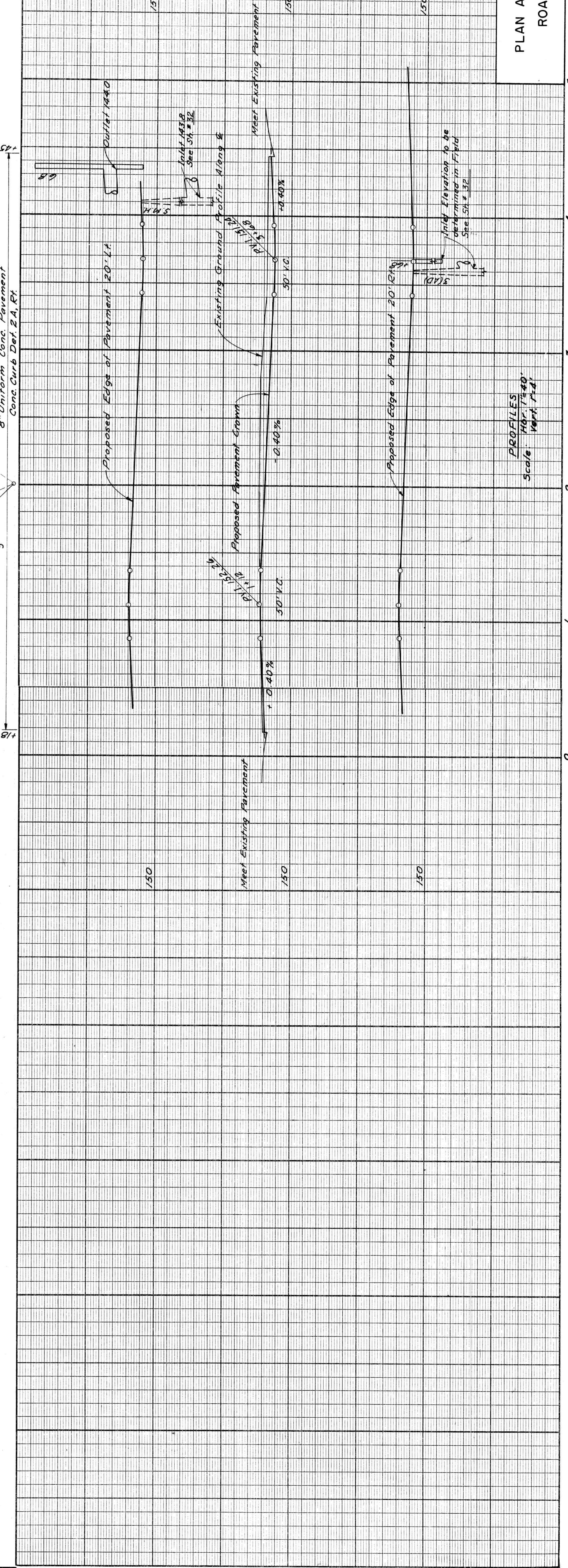
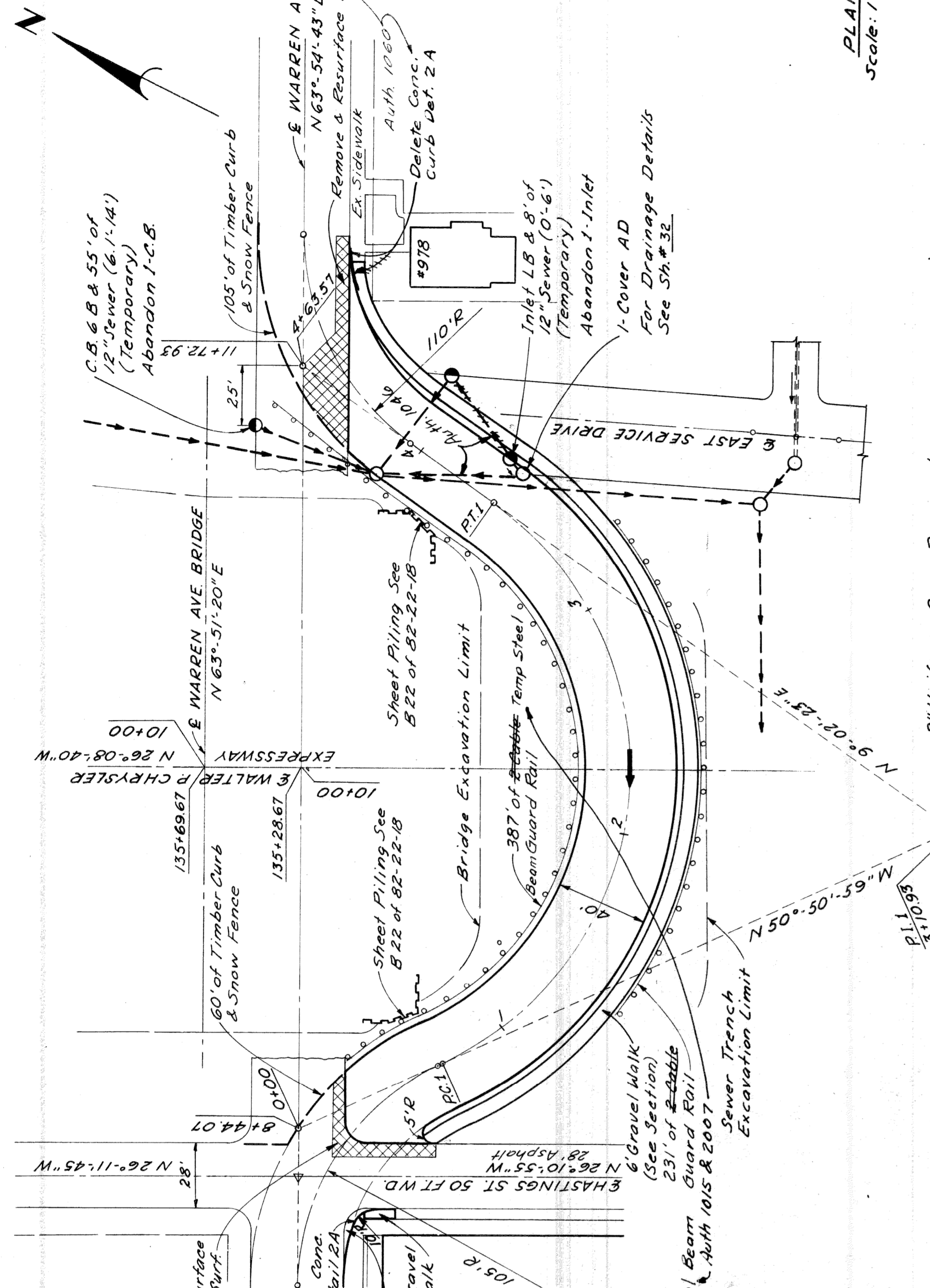
ROUTE	CITY	PROJECT
82251	Warren	Detour

STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MI.	1925/1926	33	33

For Warren Ave. Bridge B 22 of
 82-22-18 See Sh. # 23A
 For Details of Permanent Road
 Construction See:
 West Service Drive Sh. # 29
 East Service Drive Sh. # 3E

CURVE DATA DETOUR ROADWAY
 Δ = 120°-06'-38"
 D = 40°-55'-32"
 R = 140'
 T = 243.03'
 L = 293.49'
 E = 140.47'
 PC = 0+67.90
 PT = 3+10.93
 PI = 3+6/38

PLAN
 Scale: 1"=40'



PROFILES
 Scale: 1/4"=40'

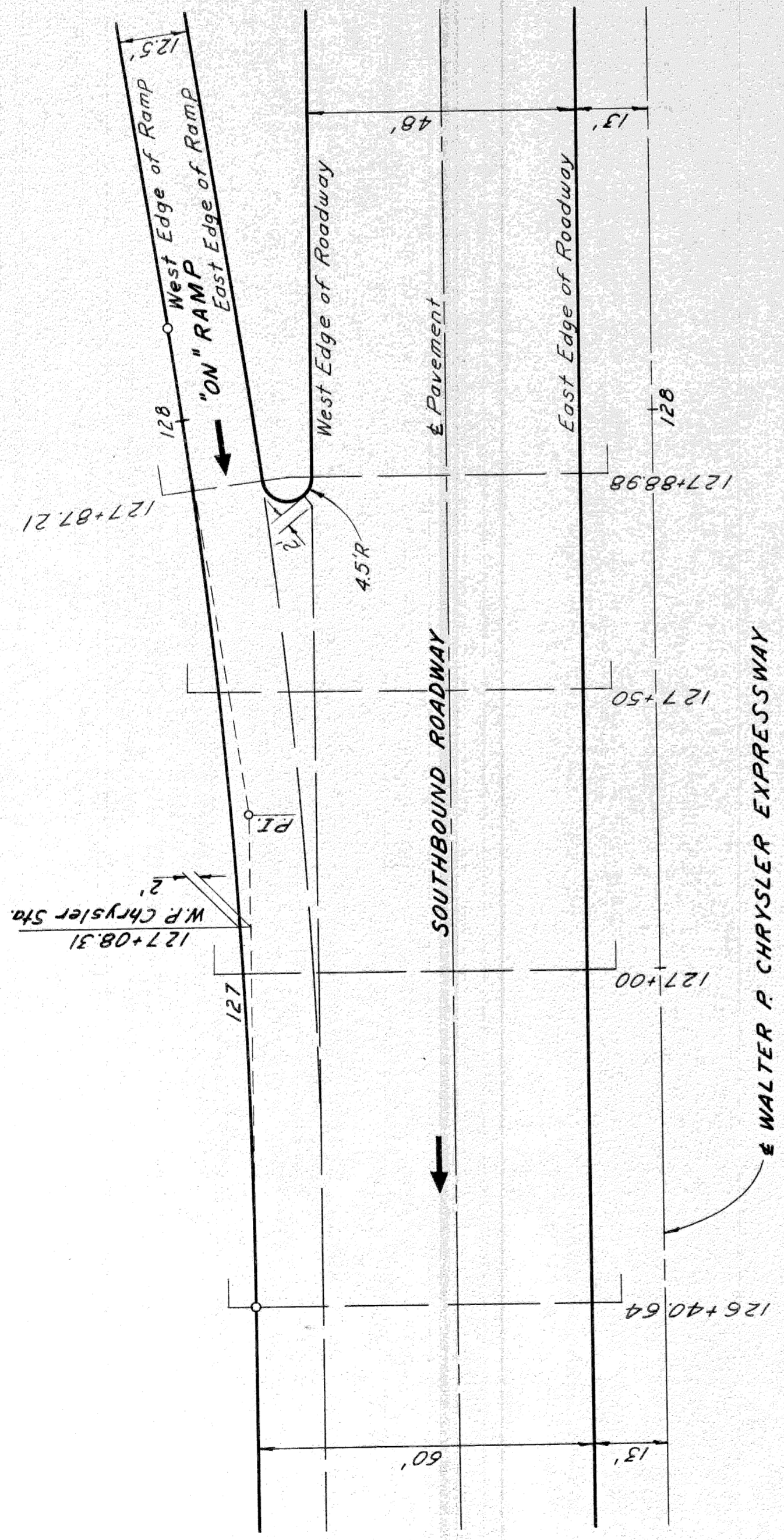
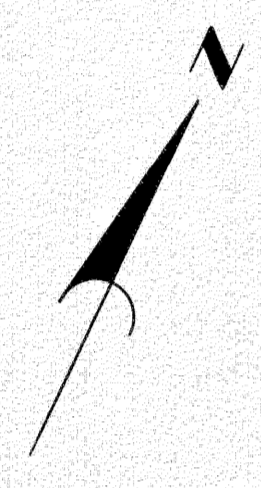
PLAN AND PROFILE FOR DETOUR
 ROADWAY AT WARREN AVE.

DATE	BY	OPERATION
		PRELIMINARY Q.C.W. CHECKED
		FINAL DESIGN CHECKED
		FINAL DESIGN CHECKED
		FRACED
		QUANTITIES
		QUANTITIES CHECKED
		SQUAD

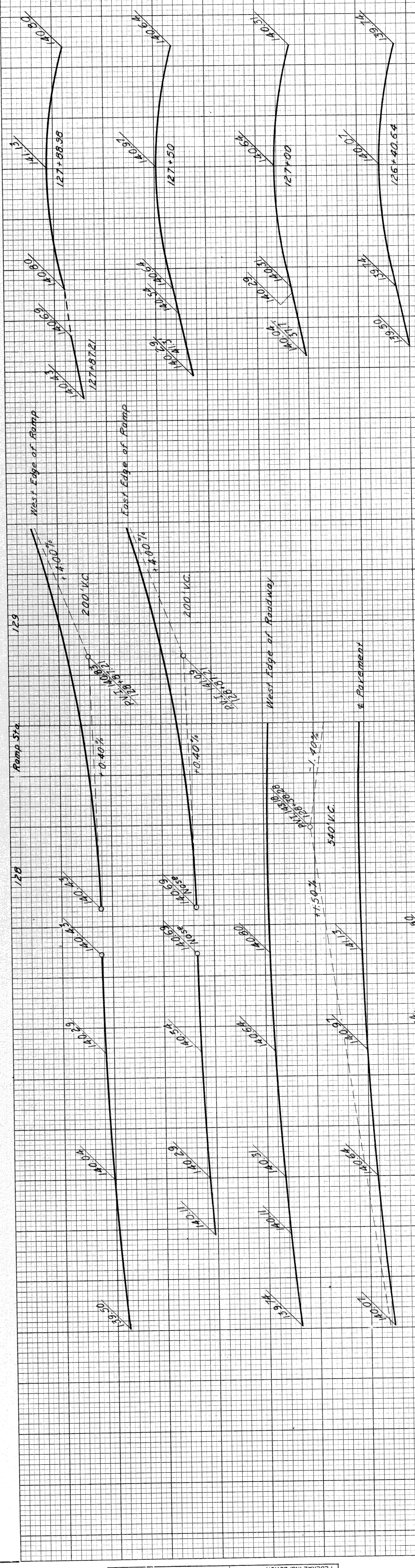
DATE	BY	OPERATION
11/60	J.V. Wickes	SURVEYED
11/60	R.B. Pitzer - W. McCombs	PLAN CHECKED
11/60	R.B. Pitzer - W. McCombs	PROFILE PLOTTED
11/60	W.H. Morrison	PROFILE GRADE
11/60	W.H. Morrison	PRELIMINARY GRADE
11/60	W.H. Morrison	GRADE INSPECTION
11/60	W.H. Morrison	FEDERAL INSPECTION

J.V. Wickes
 R.B. Pitzer - W. McCombs
 W.H. Morrison
 W.H. Morrison
 W.H. Morrison

STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MICH.	1257/02/02		34	34
COUNTY	CITY	SHEET NO.	SHEET NO.	SHEET NO.
Wayne	Detroit	34	34	34
ROUTE	PROJECT			
82251	Wayne Detroit			



PLAN
Scale 1" = 20'



CROSS-SECTIONS
Scale: Vert. 1" = 1'

DETAILED GRADES FOR SOUTHBOUND
"ON" RAMP AT SOUTHBOUND ROADWAY

PROFILES
Scale: Vert. 1" = 2'

128 W.P. Chrysler Sta

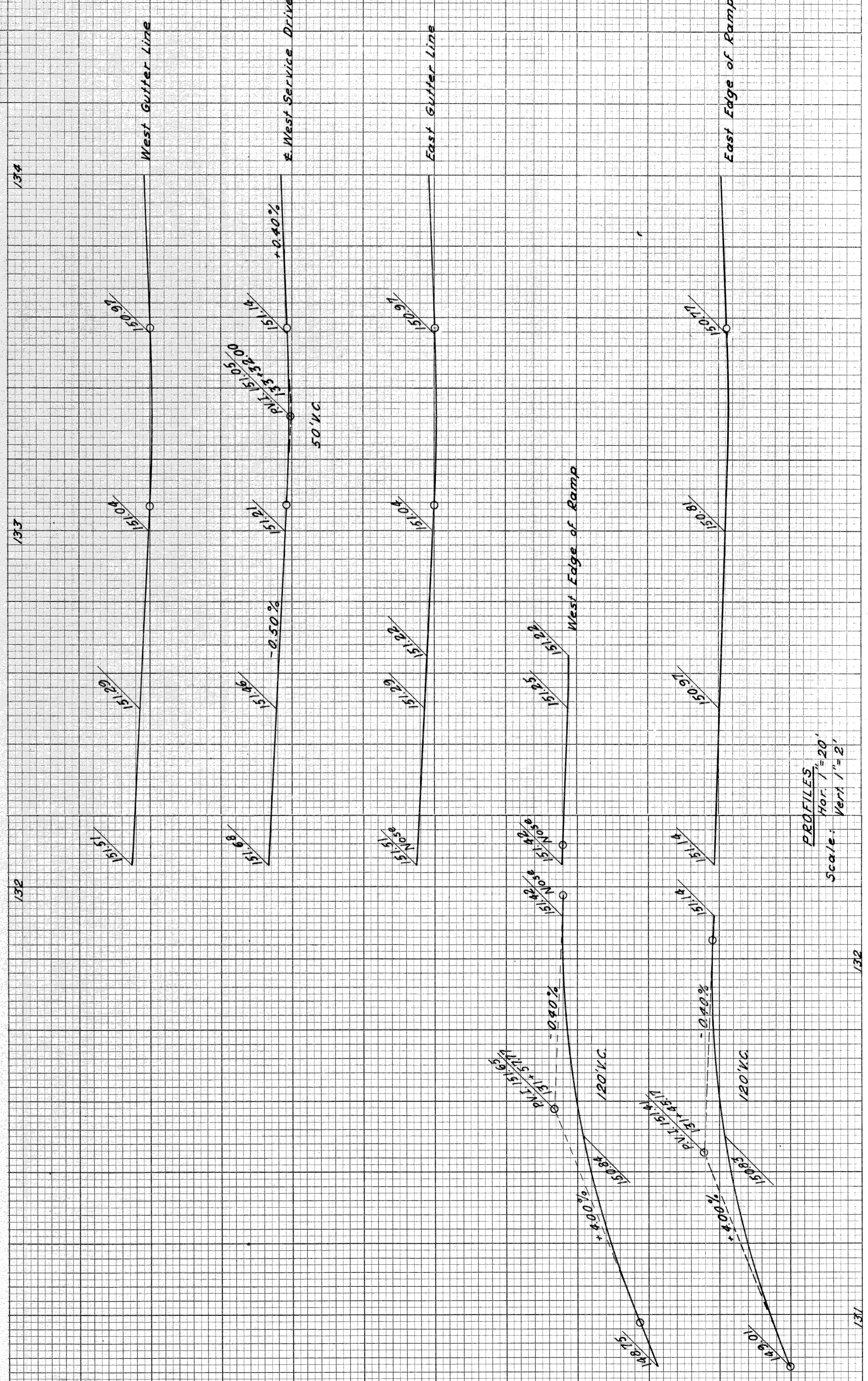
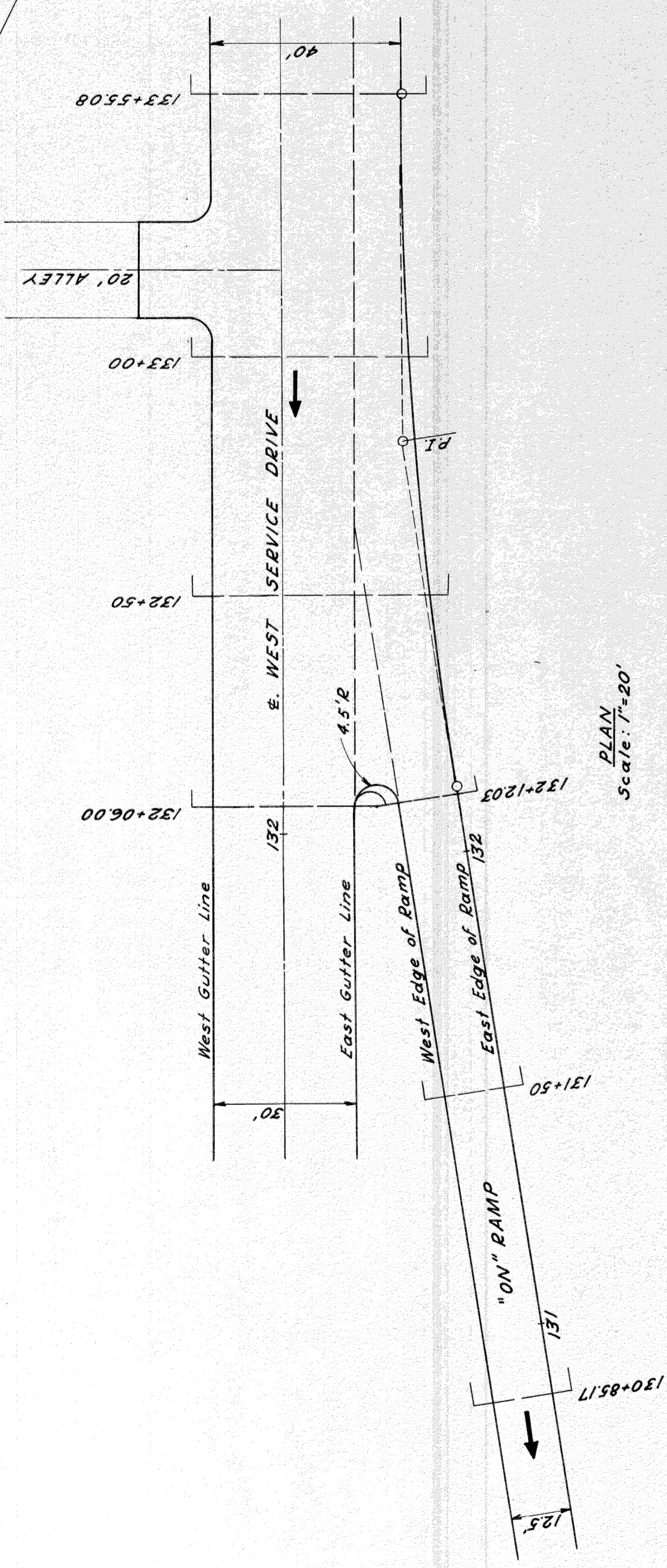
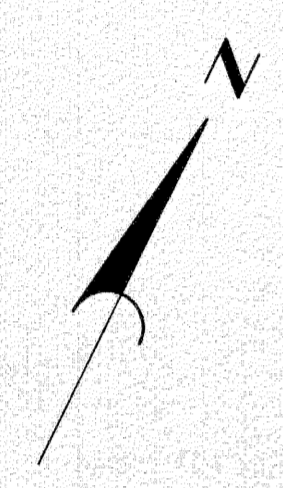
PLANS PREPARED BY
DEPARTMENT OF PUBLIC WORKS
CITY OF DETROIT
CITY ENGINEERS OFFICE
BUREAU OF HIGHWAYS AND EXPRESSWAYS

OPERATION	BY	DATE
PRELIMINARY R.O.W. CHECKED		
FINAL DESIGN CHECKED		
FRAGED		
FINAL R.O.W. CHECK		
QUANTITIES CHECKED		
SQUAD		

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

11/60	J. V. Miley
11/60	E. Kennerly
11/60	R. Sullivan
11/60	J. M. Breda
11/60	Walter E. Bickel
11/60	R. H. Kull

DIV. NO.	STATE	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	1-25(122)E			
ROUTE	COUNTY	CITY			
82251	Wayne	Detroit		35	



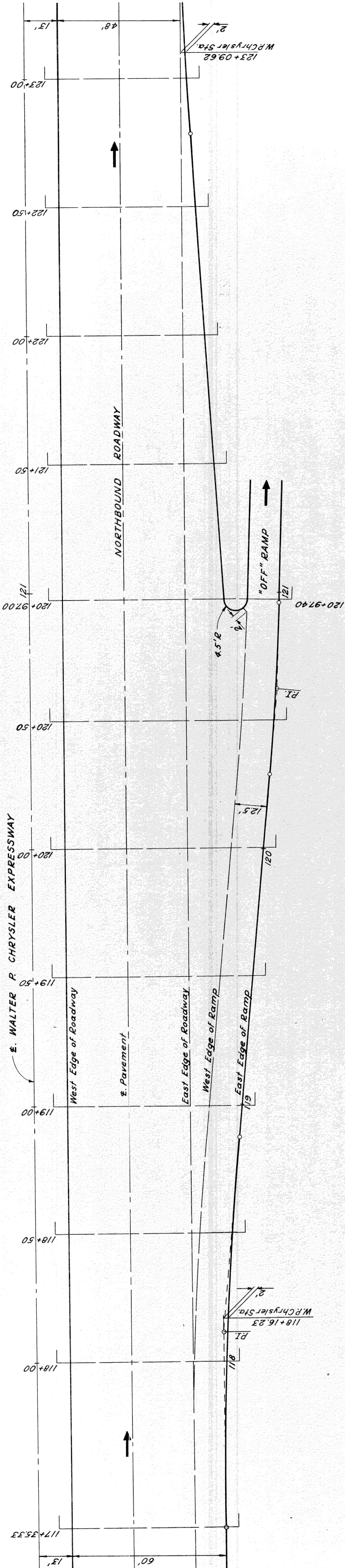
DETAILED GRADES FOR SOUTHBOUND
"ON" RAMP AT WEST SERVICE DRIVE

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

DATE	BY	PLOTTED	CHECKED

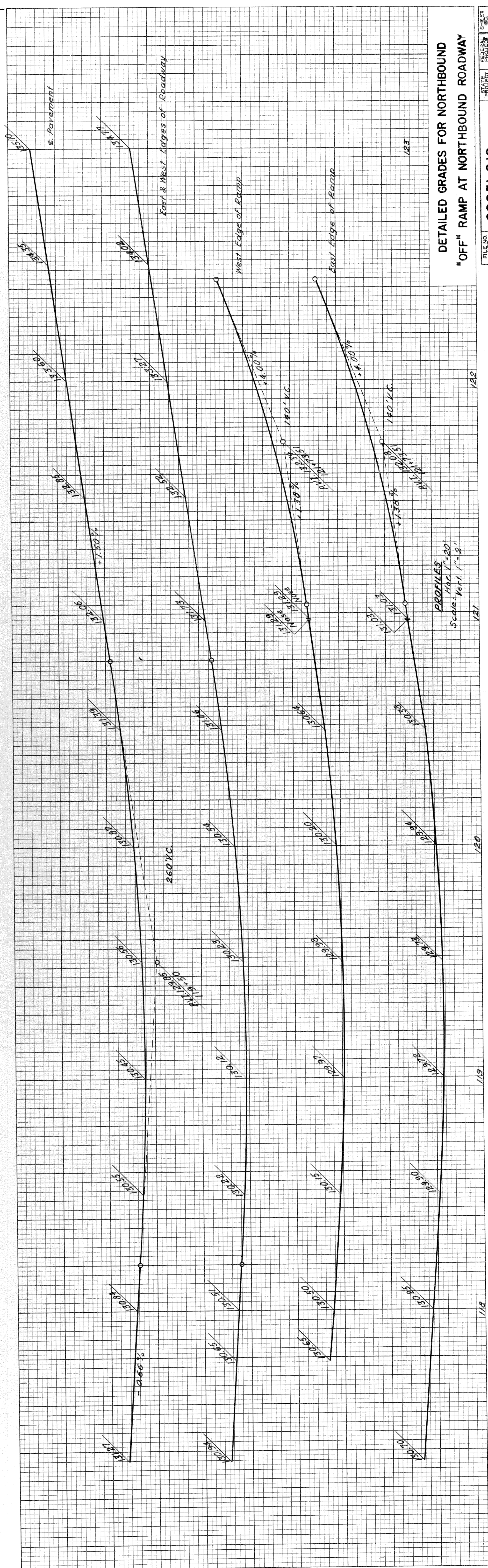
11/60	J. V. WICKER	DESIGNED BY
11/60	W. J. MCGUIRE	CHECKED BY
11/60	J. M. BREED	IN CHARGE
11/60	W. J. MCGUIRE	PROJECT
11/60	W. J. MCGUIRE	FOR APPROVAL

BY NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MI.	82251	12/12/52	36	36
ROUTE	COUNTY	CITY			
82251	Wayne	Detroit			



PLAN
Scale: 1"=20'

Note: For Cross-Sections See STA # 37.



DETAILED GRADES FOR NORTHBOUND
"OFF" RAMP AT NORTHBOUND ROADWAY

PROFILES
Scale: Vert. 1"=20'

STATE PROJECT NO. 82251
SHEET NO. 36

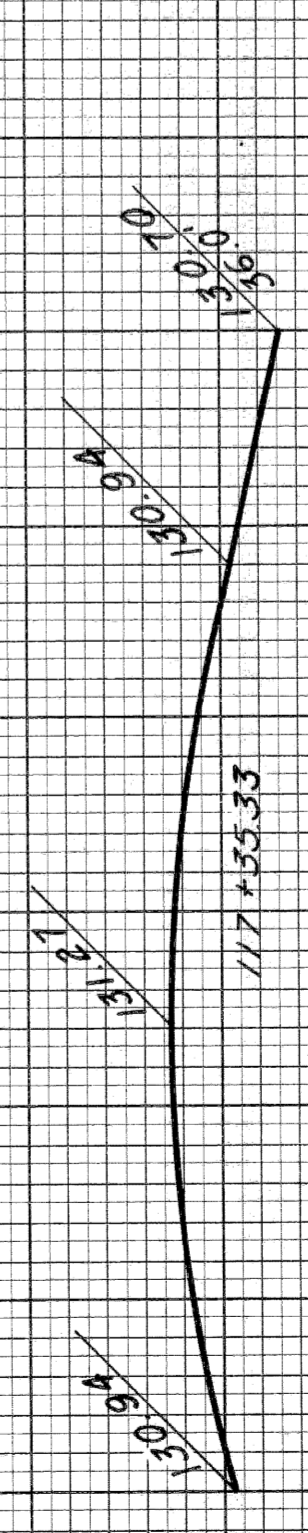
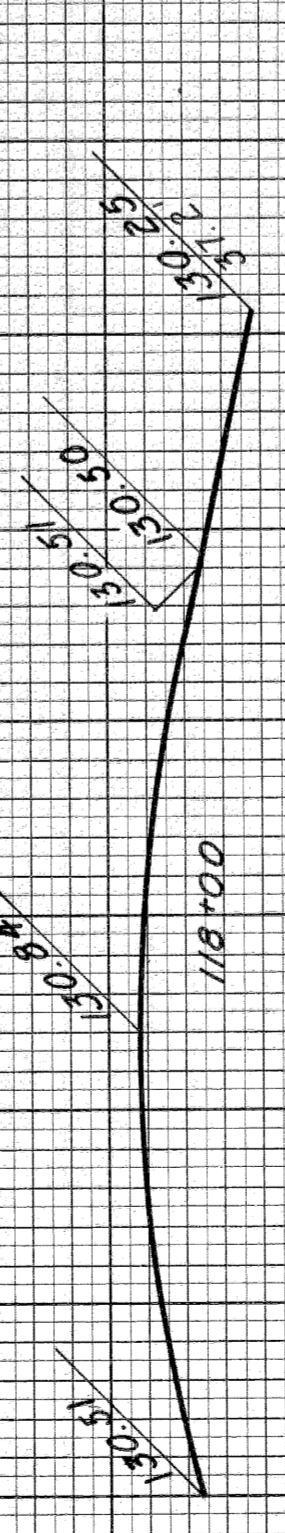
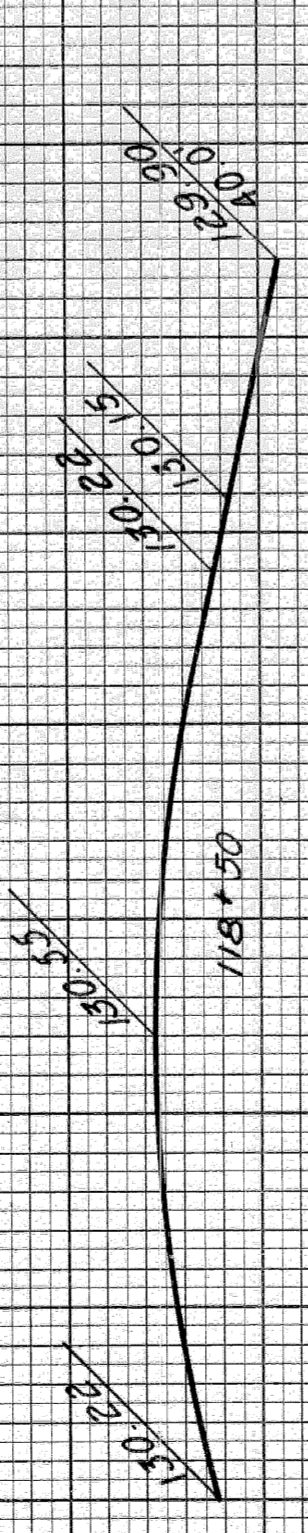
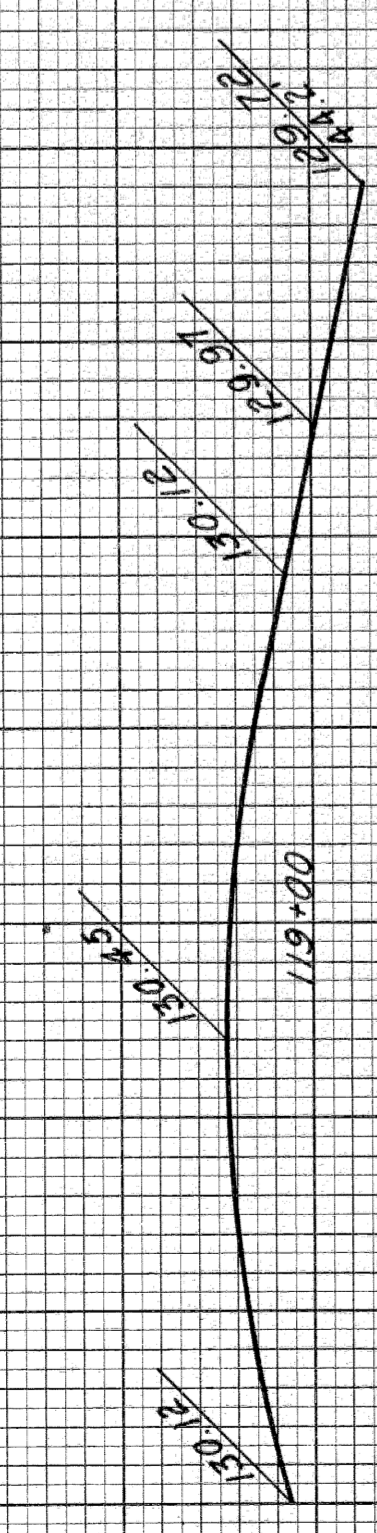
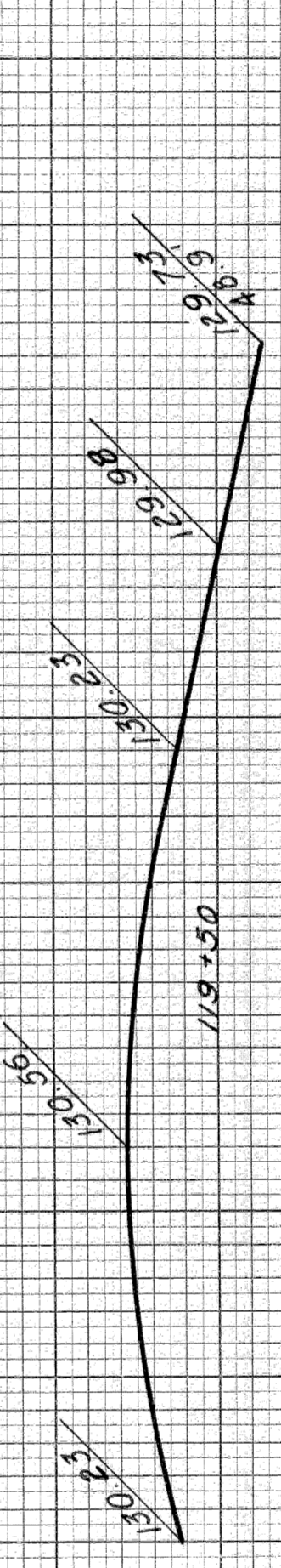
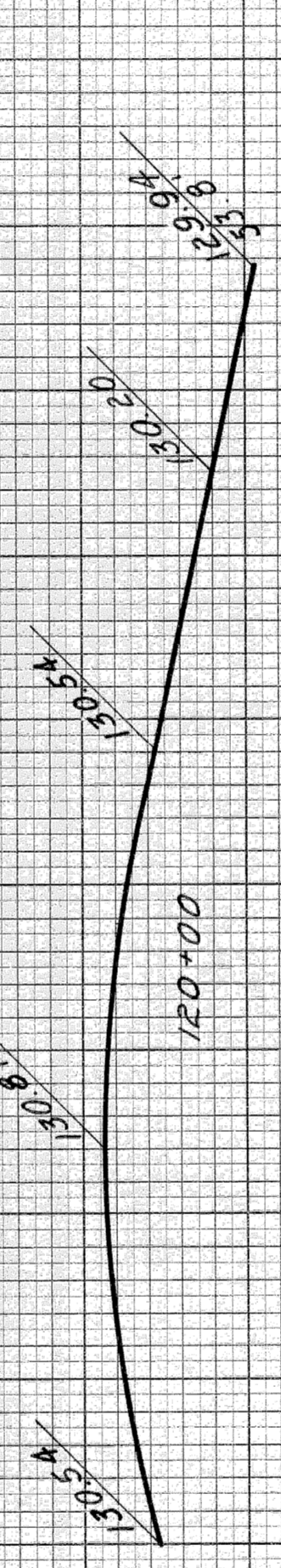
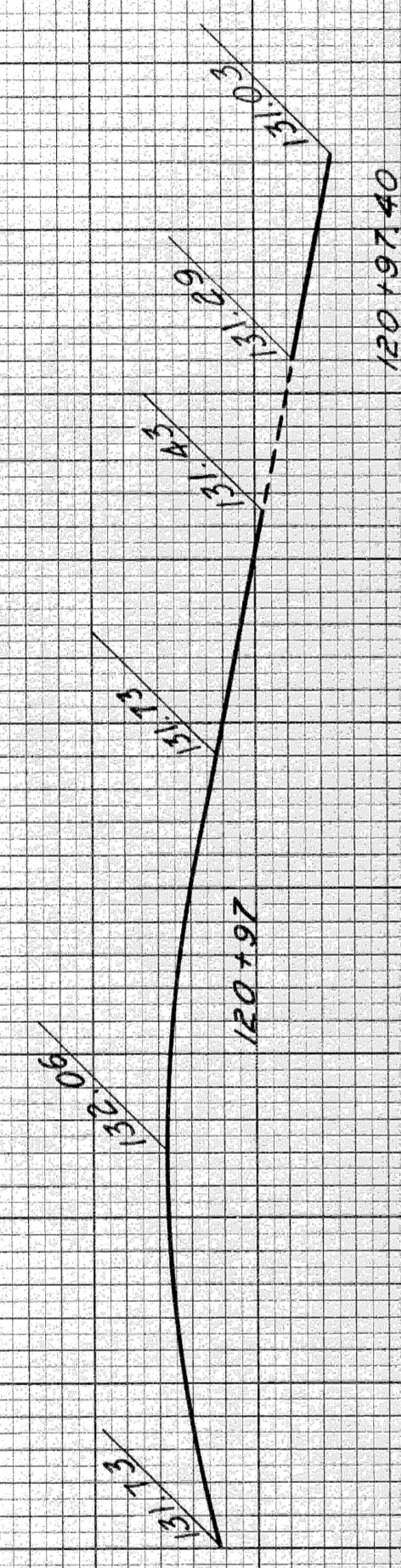
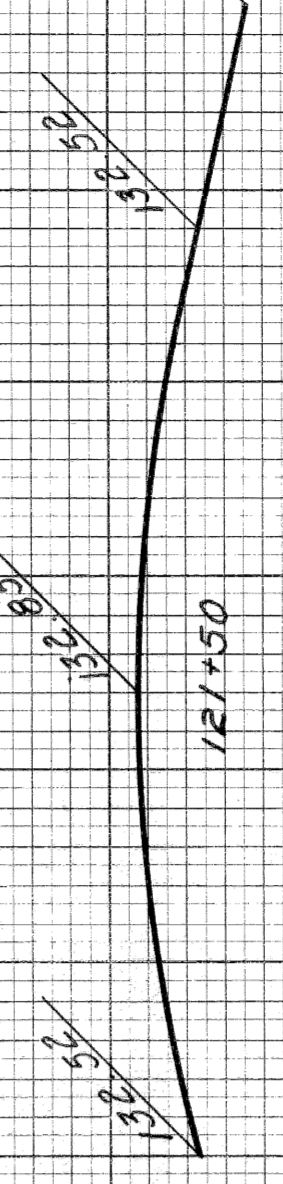
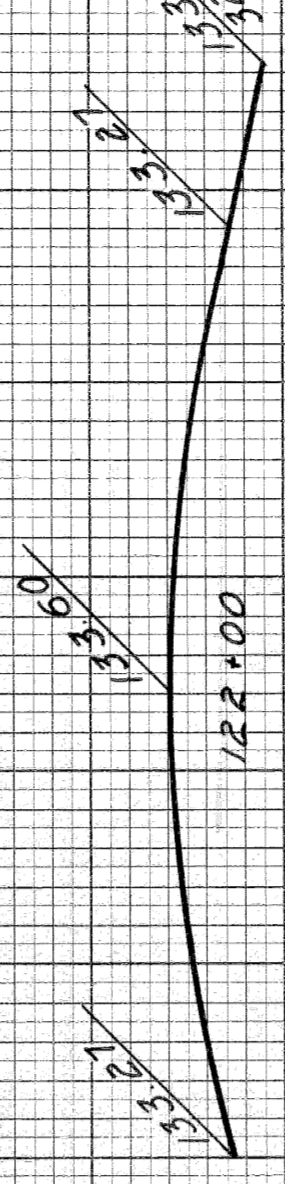
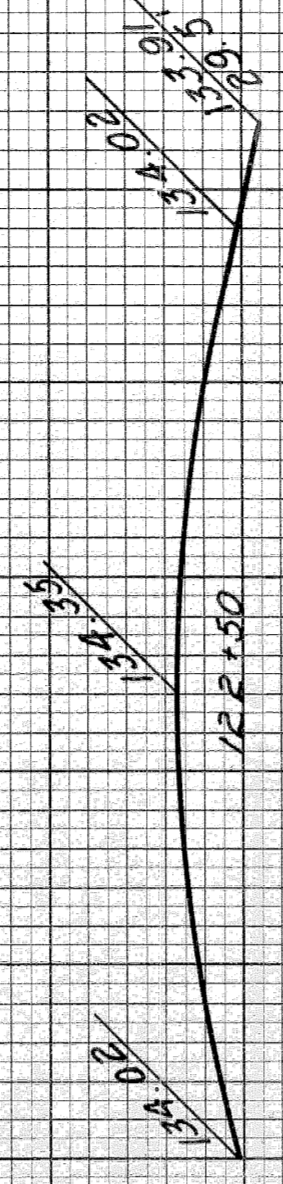
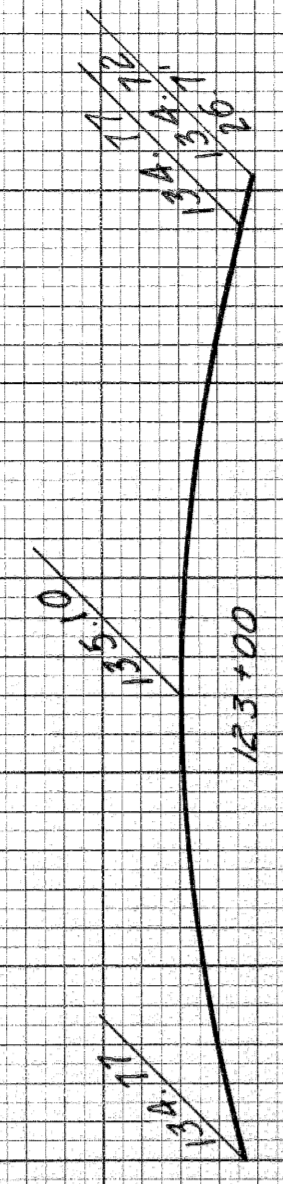
PLANS PREPARED BY
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEER, GEORGE
BUREAU OF HIGHWAYS AND EXPRESSWAYS

DATE	BY	OPERATION
		PRELIMINARY R.O.W. CHECKED
		FINAL DESIGN
		FINAL DESIGN CHECKED
		FRAGED
		FINAL R.O.W. CHECK
		QUANTITIES CHECKED
		SQUAD

DATE	BY	OPERATION
11/60	J M Breda	SURVEY
11/60	J M Breda	PLAN PLOTTED
11/60	R Salvia	PLAN CHECKED
11/60	J M Breda	PROFILE PLOTTED
11/60	J M Breda	PROFILE CHECKED
11/60	J M Breda	PRELIMINARY GRADE
11/60	J M Breda	GRADE INSPECTION
11/60	J M Breda	FEDERAL INSPECTION

DATE	BY	OPERATION
11/60	J M Breda	SURVEY
11/60	J M Breda	PLAN PLOTTED
11/60	R Salvia	PLAN CHECKED
11/60	J M Breda	PROFILE PLOTTED
11/60	J M Breda	PROFILE CHECKED
11/60	J M Breda	PRELIMINARY GRADE
11/60	J M Breda	GRADE INSPECTION
11/60	J M Breda	FEDERAL INSPECTION

STATE	PROJ. NO.	SHEET NO.	SHEET TOTAL
MICH.	125/22/32	32	32
CITY	COUNTY	CITY	CITY
82251	Wayne	Detroit	37



CROSS-SECTIONS
 Scale: Hor. 1" = 10'
 Vert. 1" = 1'

Note: For Plan and Profiles See Sh. 2 & 3

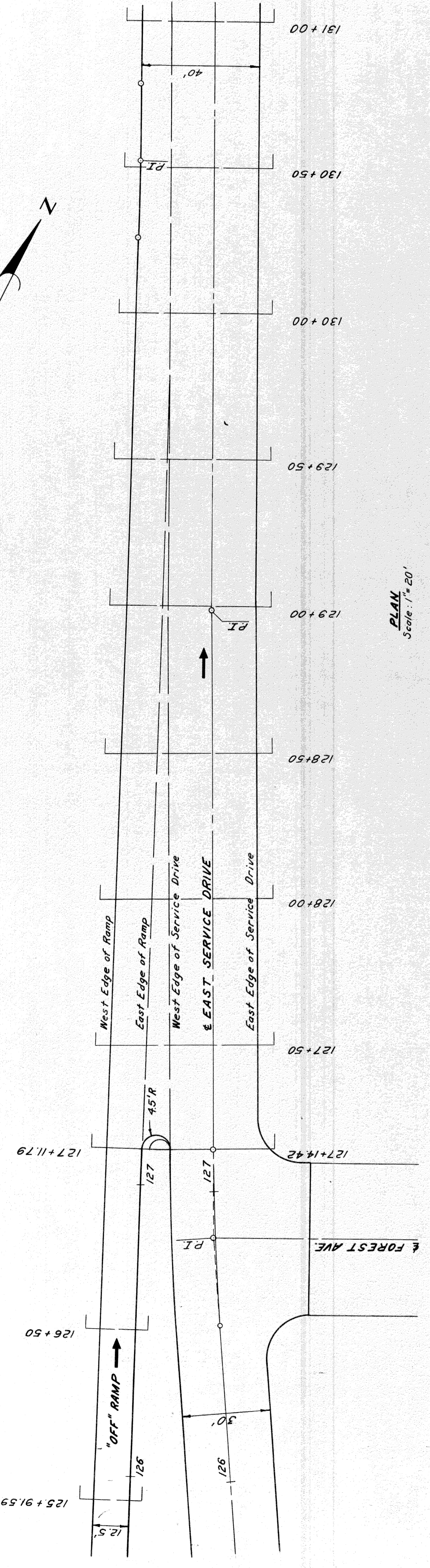
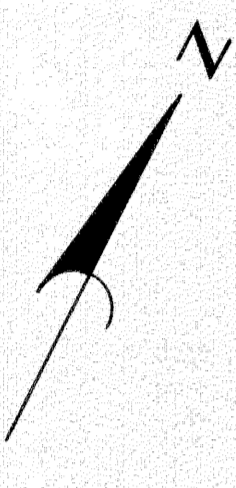
**DETAILED GRADES FOR NORTHBOUND
 "OFF" RAMP AT NORTHBOUND ROADWAY**

PLANNED	DESIGNED	CHECKED	DATE
82251 C10			

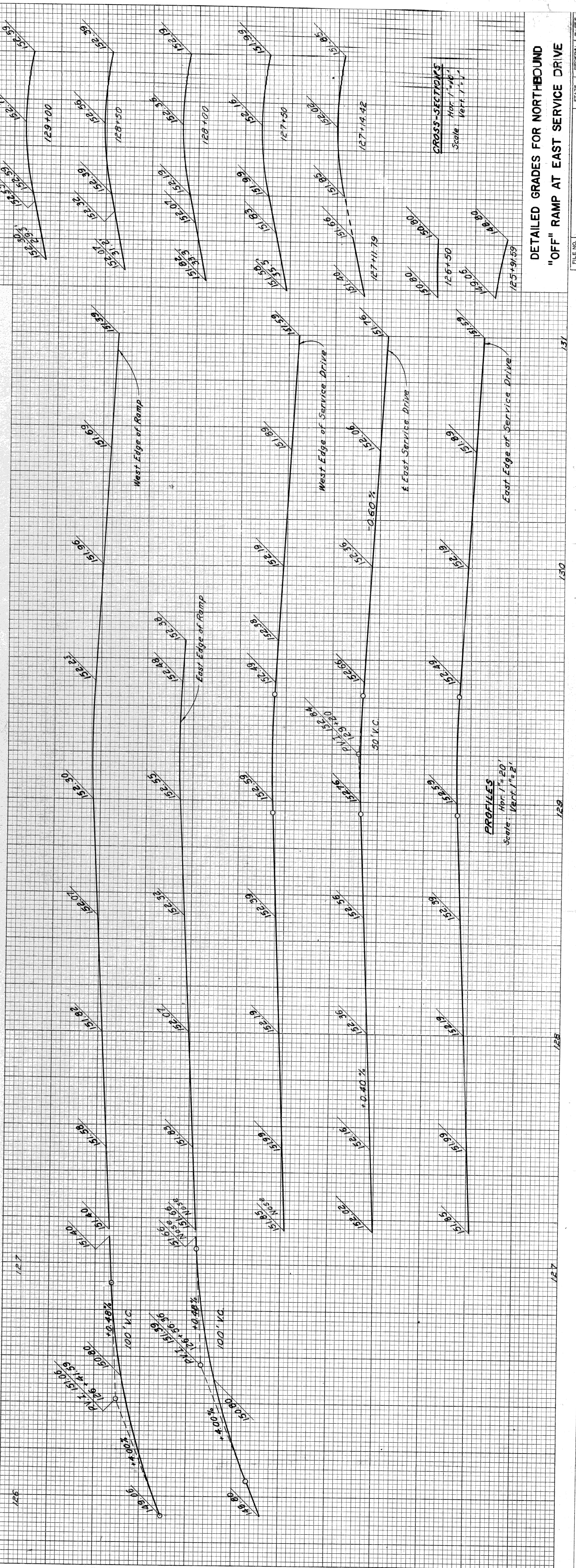
PLANS PREPARED BY
 CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF HIGHWAYS AND EXPANSIONS

DATE	BY

PLOTTED	11/60
COMPUTED	11/60
CHECKED	11/60
DATE	



PLAN Scale: 1" = 20'



PROFILES Scale: Vert. 1" = 2'

CROSS SECTIONS Scale: Hor. 1" = 40' Vert. 1" = 1'

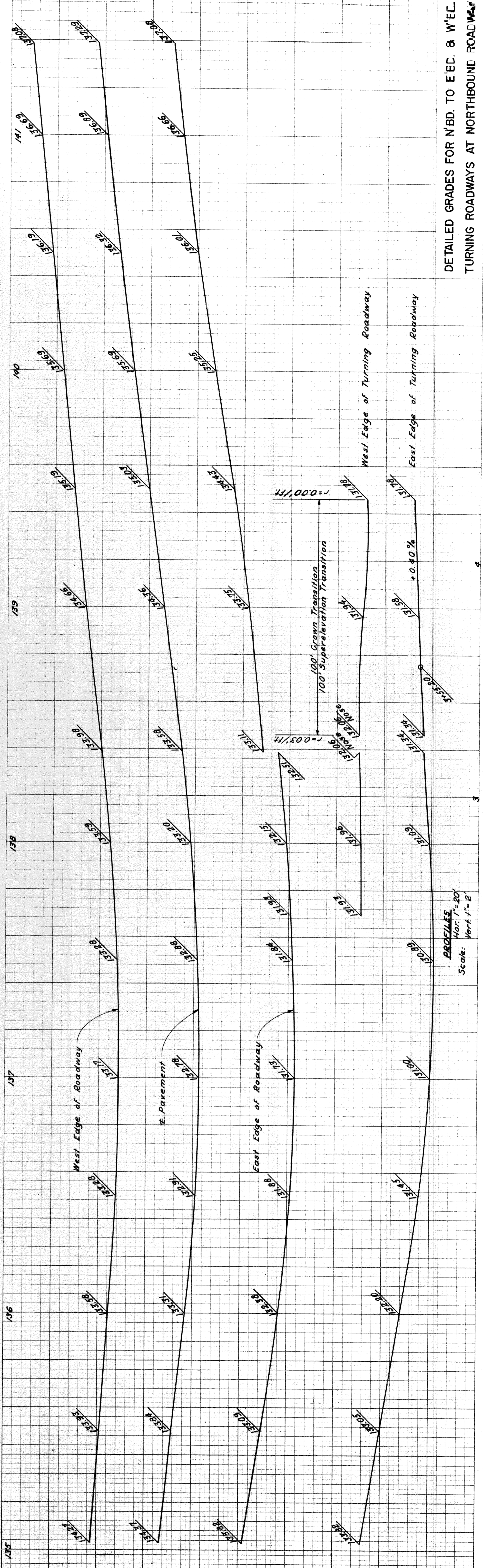
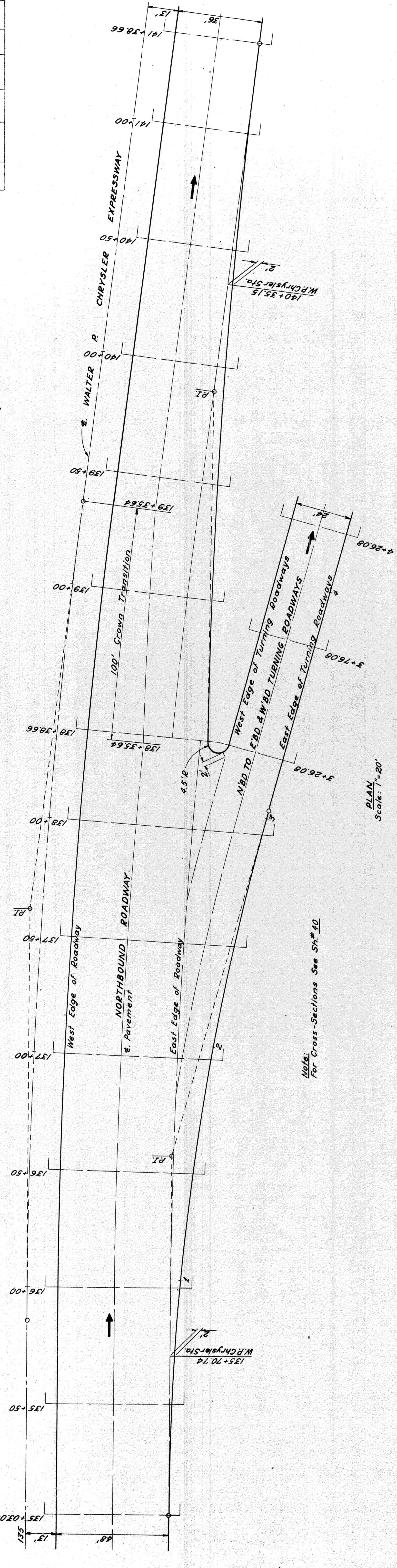
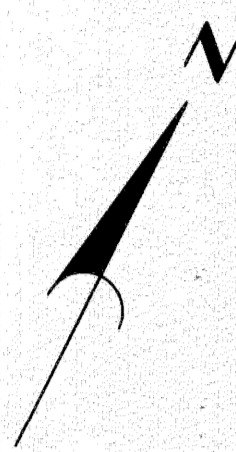
DETAILED GRADES FOR NORTHBOUND "OFF" RAMP AT EAST SERVICE DRIVE

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

DATE	BY

11/60	J.V. WICKLEY
11/60	J.M. BREED
11/60	ALAN E. SARGENT
11/60	T.M. KEENE

STATE	MICH.	FISCAL YEAR	1941(1942)	SHEET NO.	59	TOTAL SHEETS	59
CITY	Wayne	PROJECT	Wayne Detroit	DATE			
ROUTE	82251	PROJ. NO.		DATE			
ROUTE		PROJ. NO.		DATE			
ROUTE		PROJ. NO.		DATE			



DETAILED GRADES FOR N'BD. TO E'BD. 8' W'ED.
TURNING ROADWAYS AT NORTHBOND ROADWAY

82251 C10

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

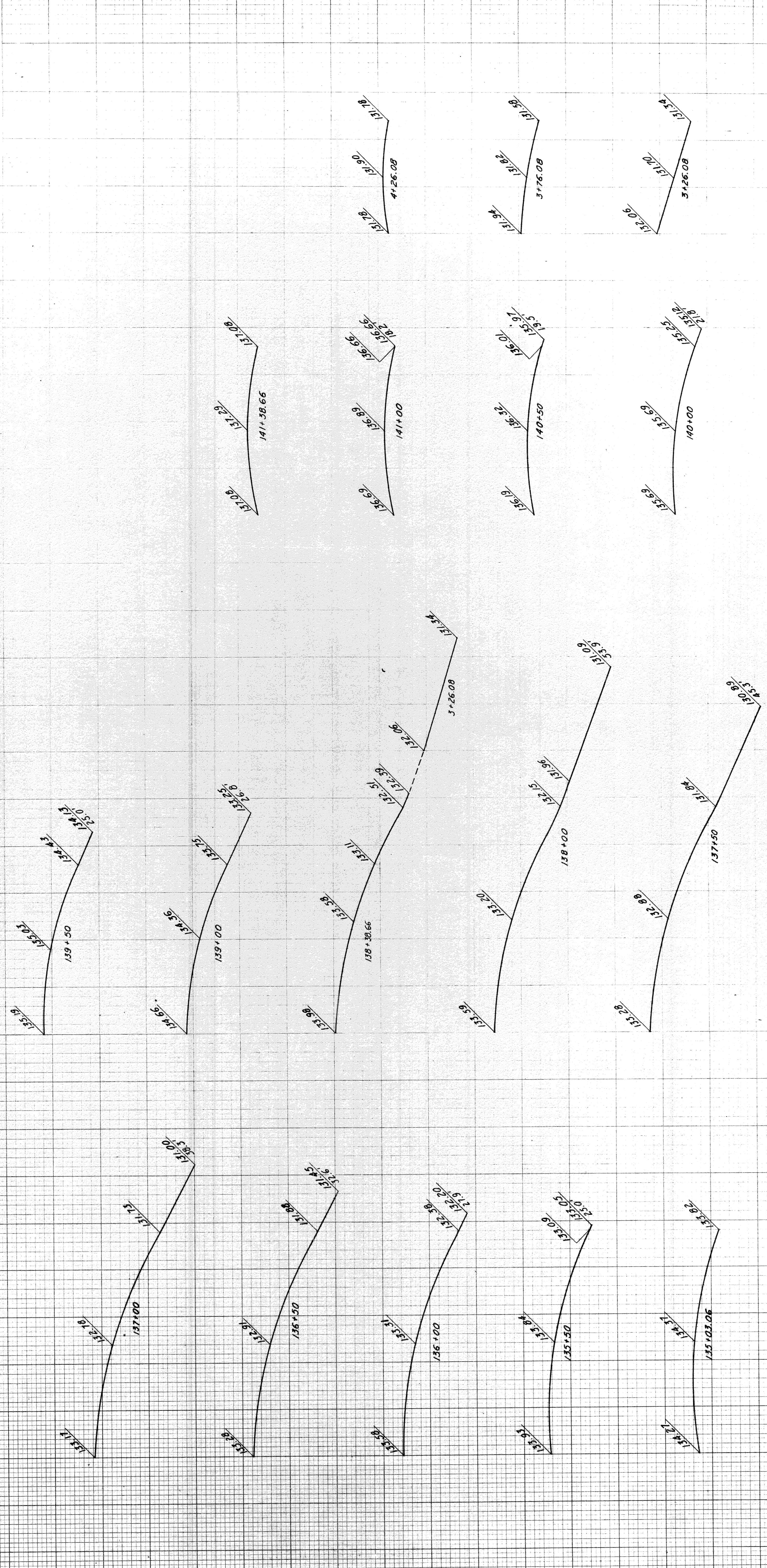
OPERATION	BY	DATE
PRELIMINARY R.O. WORKED		
FINAL DESIGN CHECKED		
FINAL DESIGN		
FINAL R.O. CHECK		
QUANTITIES CHECKED		
SUPD		

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

OPERATION	BY	DATE
PRELIMINARY GRADE		
ROAD ENGR.		
ENGR. DESIGN		

FOR APPROVAL	RECOMMENDED
CHECKED BY	DATE
DATE	

PROJ. NO. 82251
 SHEET NO. 40
 CITY: Wayne
 STATE: Michigan



Note: For Plan and Profiles See Sh. # 32

CROSS-SECTIONS
 Hor. 1"=10'
 Vert. 1"=1'

DETAILED GRADES FOR N.B.D. TO E.B.D. & W.B.D.
 TURNING ROADWAYS AT NORTHBOND ROADWAY

82251 C10

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

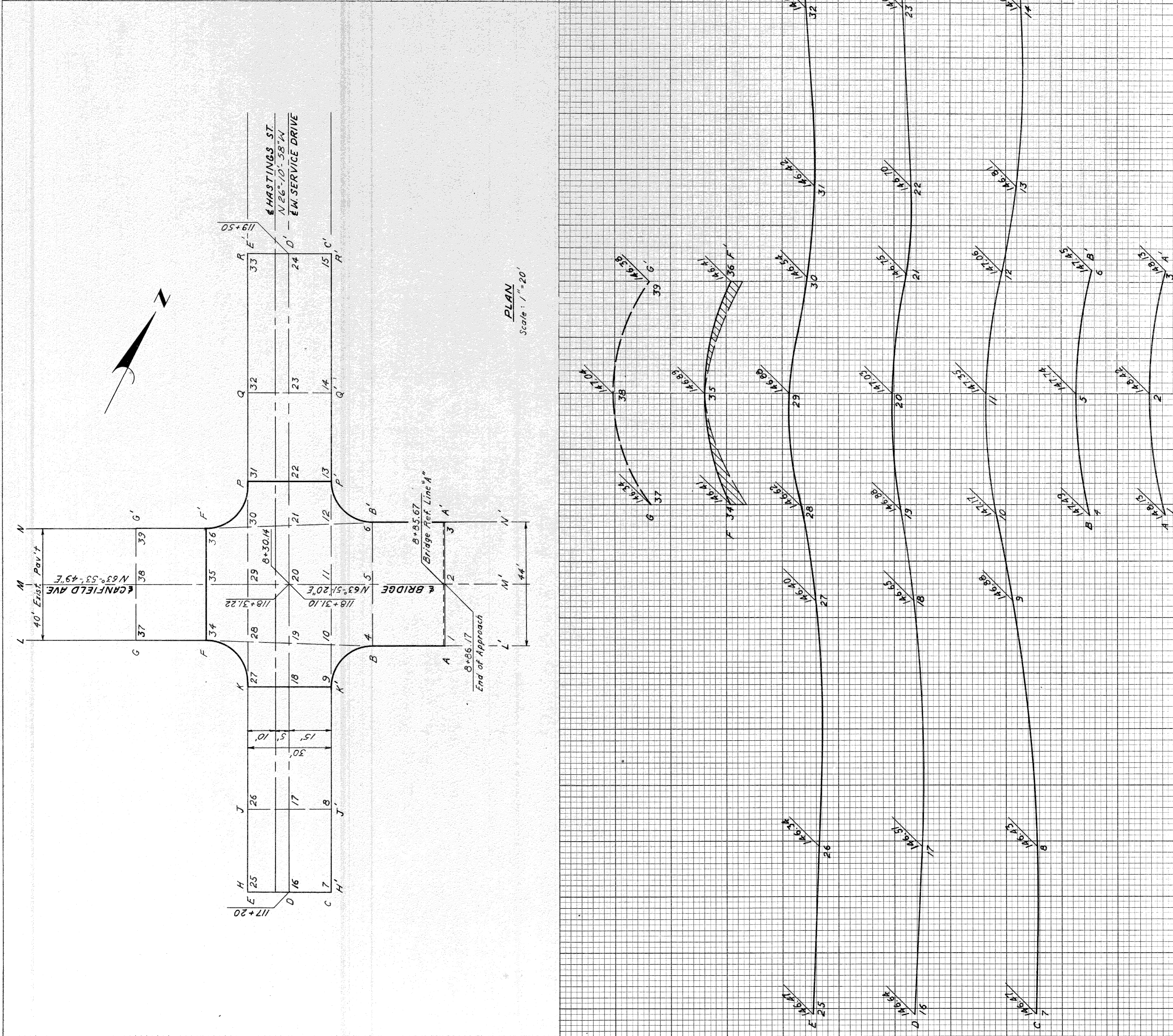
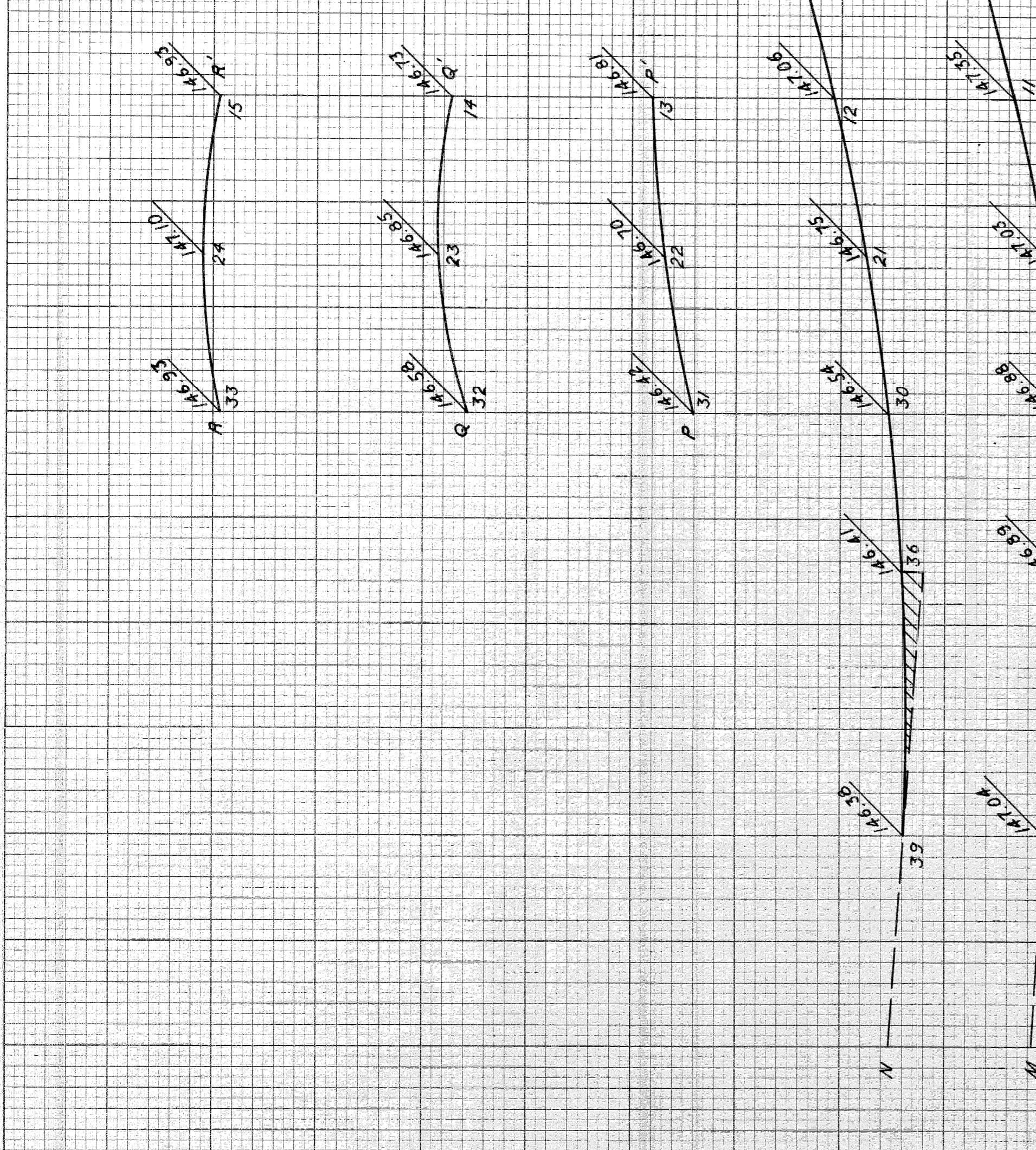
CHECKED	DATE
COMPUTED	
BY	
DATE	

11/60	J. W. WICKLEY	GRAND LEADER
11/60	J. W. WICKLEY	DRAWN BY
11/60	R. S. FULLER	TRACED BY
11/60	J. M. BIRCH	CHECKED BY
11/60	ALLEN & SMITH	CORRECT
11/60	R. W. KRAVITZ	RECOMMENDED

STATE PROJ. NO. SHEET NO. TOTAL SHEETS
 DIV. NO. YEAR 1927/28/29 4
 PROJECT COUNTY CITY SHEET NO. TOTAL SHEETS
 ROUTE 82251 Wayne Detroit 41

DETAILED GRADES FOR INTERSECTION OF
 CANFIELD AVE. AND WEST SERVICE DRIVE

FILE NO. 82251
 SHEET NO. 41
 DATE 1/20/28



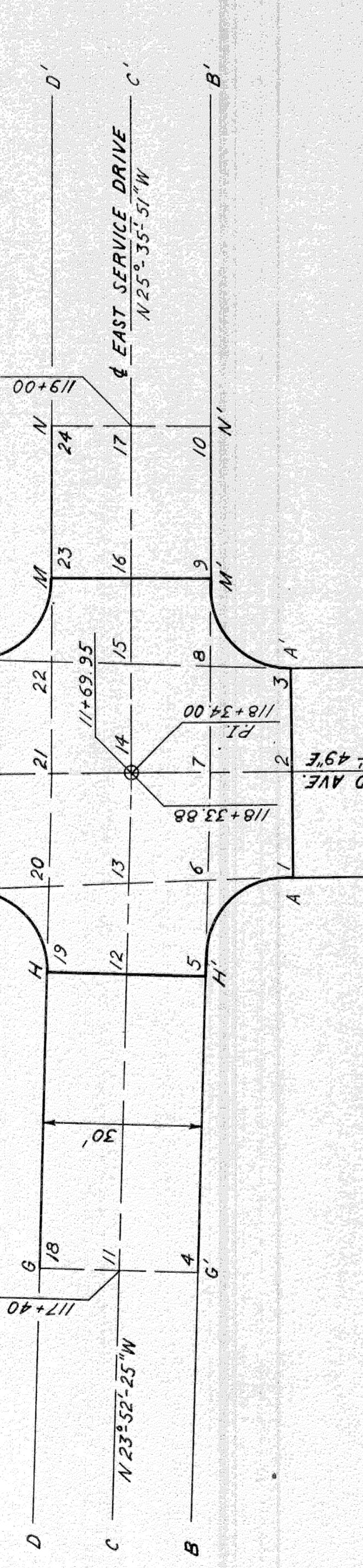
PLANS PREPARED BY
 CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEERS OFFICE
 BUREAU OF HIGHWAYS AND TOWNSHIPS

CHECKED	BY	DATE
COMPUTED		
PLOTTED		

11/60 J.K. WICKER
 11/60 W.J. NEWMAN
 11/60 R.A. COMLY
 11/60 W.H. GORTY
 11/60 ALLEN S. JONES
 11/60 R.H. HACKER

STATE	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
MICH.	175/13052			
ROUTE	PROJECT	CITY	SHEET NO.	TOTAL SHEETS
82251	Wayne Detroit		42	

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



PROFILES
 For 1"=10'
 Scale: Vert. 1"=10'

FILE NO. 82251
 SHEET 42
 SCALE 1"=20'

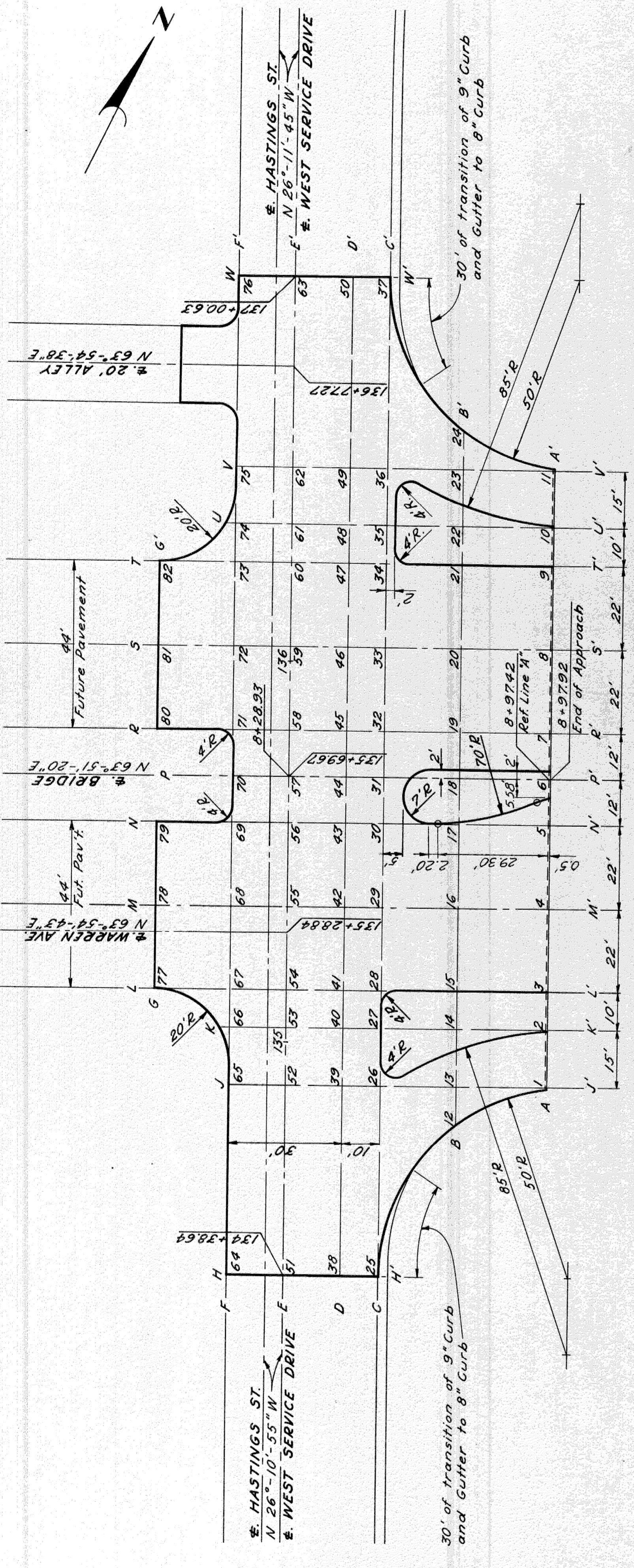
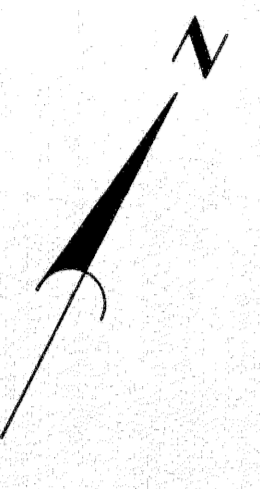
DETAILED GRADES FOR INTERSECTION OF
 CANFIELD AVE. AND EAST SERVICE DRIVE

82251 C10

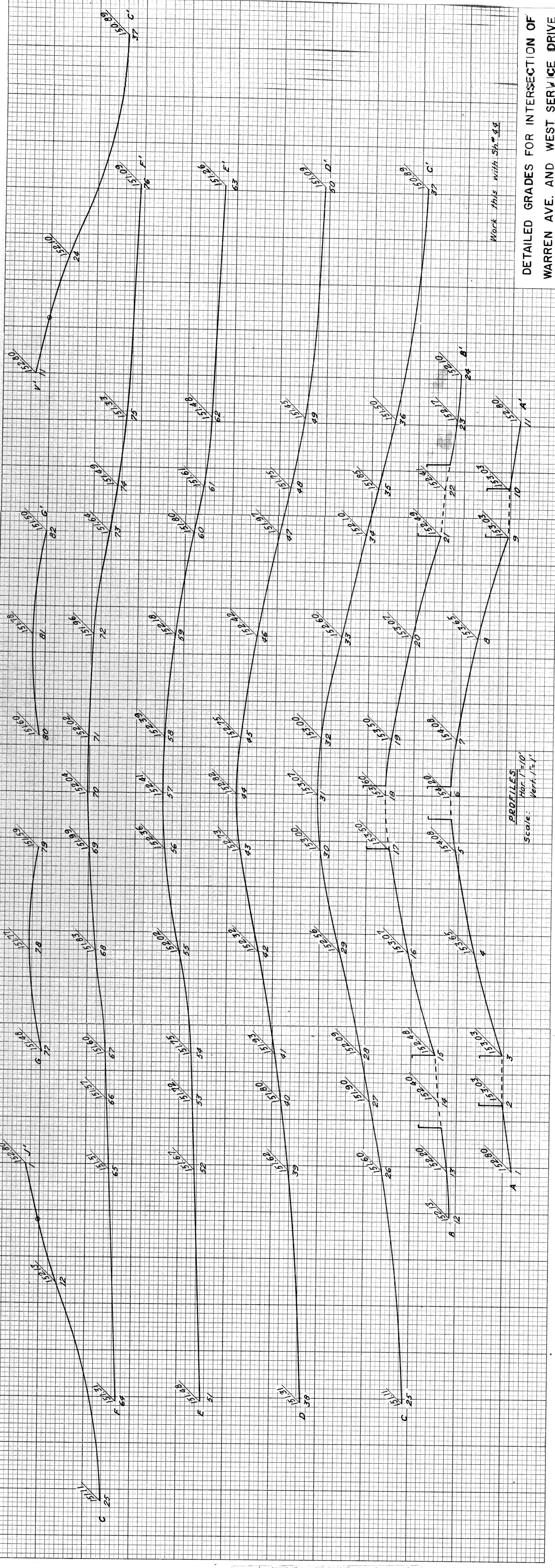
PLOTTED	BY	DATE
CHECKED		

11/60 J.T. Wickay
 11/60 J.M. Broad - W.J. McQuinn
 11/60 J.A. Comdy
 11/60 J.M. Broad
 11/60 J.M. Broad & J. Cooper
 11/60 R.F. Heber

STATE	PROJ. NO.	SCALE	SHEET NO.	TOTAL SHEETS
MICH.	133(22)52		43	43
CITY	COUNTY	ROUTE		
Detroit	Wayne	82251		



PLAN
Scale: 1"=20'



Work this with Sta 44

PROFILES
Vert. 1"=10'

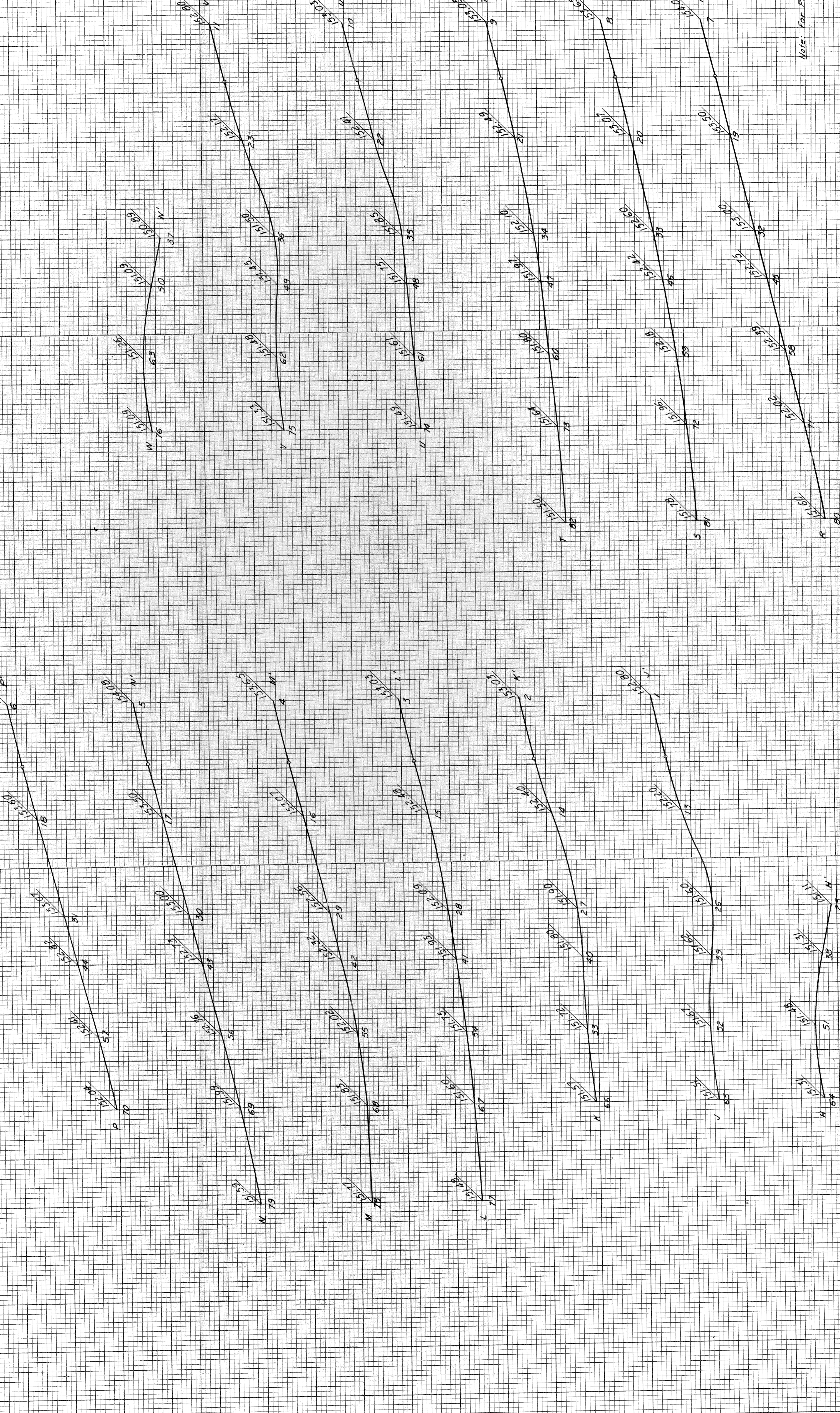
DETAILED GRADES FOR INTERSECTION OF
WARREN AVE. AND WEST SERVICE DRIVE

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

DATE	BY	PLOTTED	COMPUTED	CHECKED

DATE	BY	PLOTTED	COMPUTED	CHECKED
11/60	J V Wickey	J M Breed	J M Breed	J M Breed
11/60	J M Breed	J M Breed	J M Breed	J M Breed
11/60	J M Breed	J M Breed	J M Breed	J M Breed
11/60	J M Breed	J M Breed	J M Breed	J M Breed
11/60	J M Breed	J M Breed	J M Breed	J M Breed

PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
82251	1952/53	44	44
ROUTE	CITY		
82251	Wayne Detroit		



PROFILES
 Plan 1" = 100'
 Scale: Vert. 1" = 1'

Note: For Plan and Profiles See Sht. # 43

DETAILED GRADES FOR INTERSECTION OF
 WARREN AVE. AND WEST SERVICE DRIVE

82251 C10

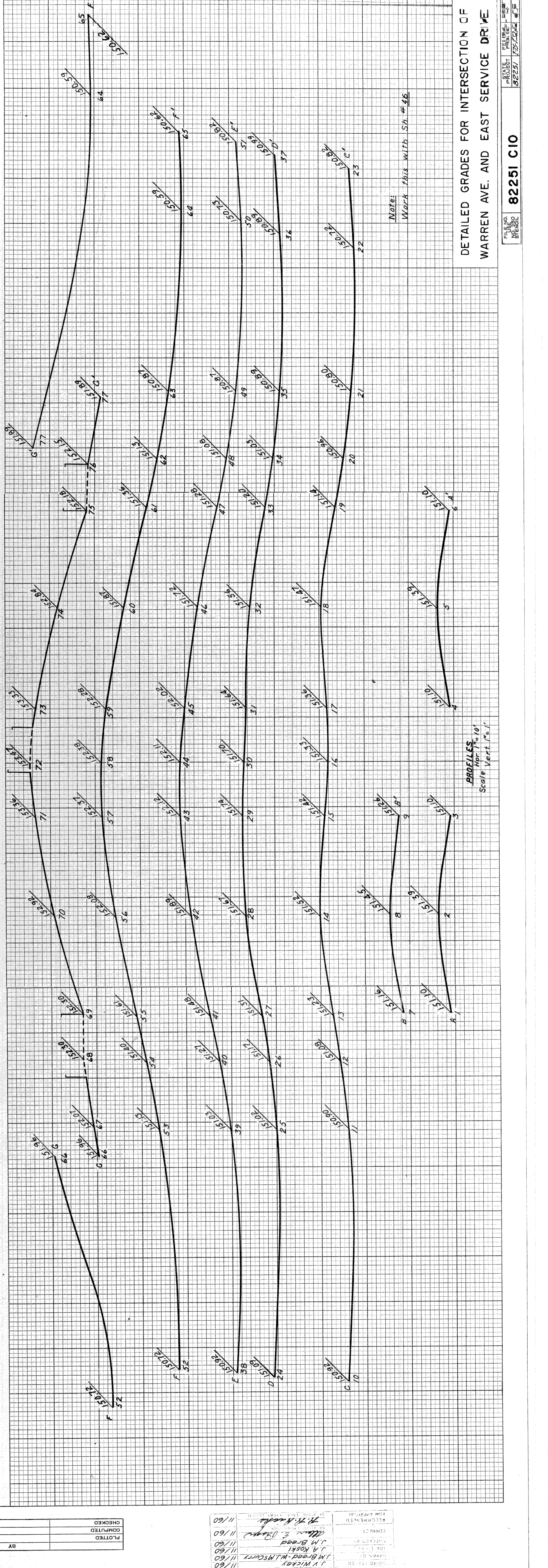
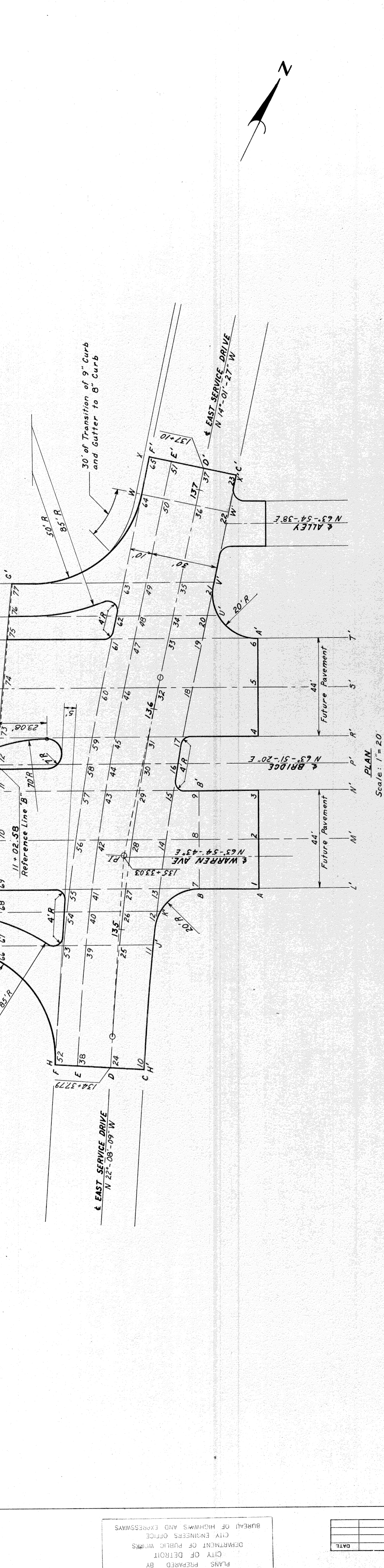
PLANS PREPARED BY
 CITY OF DETROIT
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF HIGHWAYS AND EXPRESSWAYS
 CITY ENGINEERS OFFICE

PLOTTED	DATE
CHECKED	
COMPILED	

11/60	J.V. Wickley
11/60	J.M. Breda
11/60	R. S. J. J.
11/60	J.M. Breda
11/60	J.M. Breda
11/60	J.M. Breda

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
MICH.	2251	45	45
COUNTY	CITY	PROJECT	DATE
Wayne	Detroit	82251	12/22/24

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



DATE	BY	CHECKED

PROFILES
 Apr 17-10
 Scale Vert 1"=1'

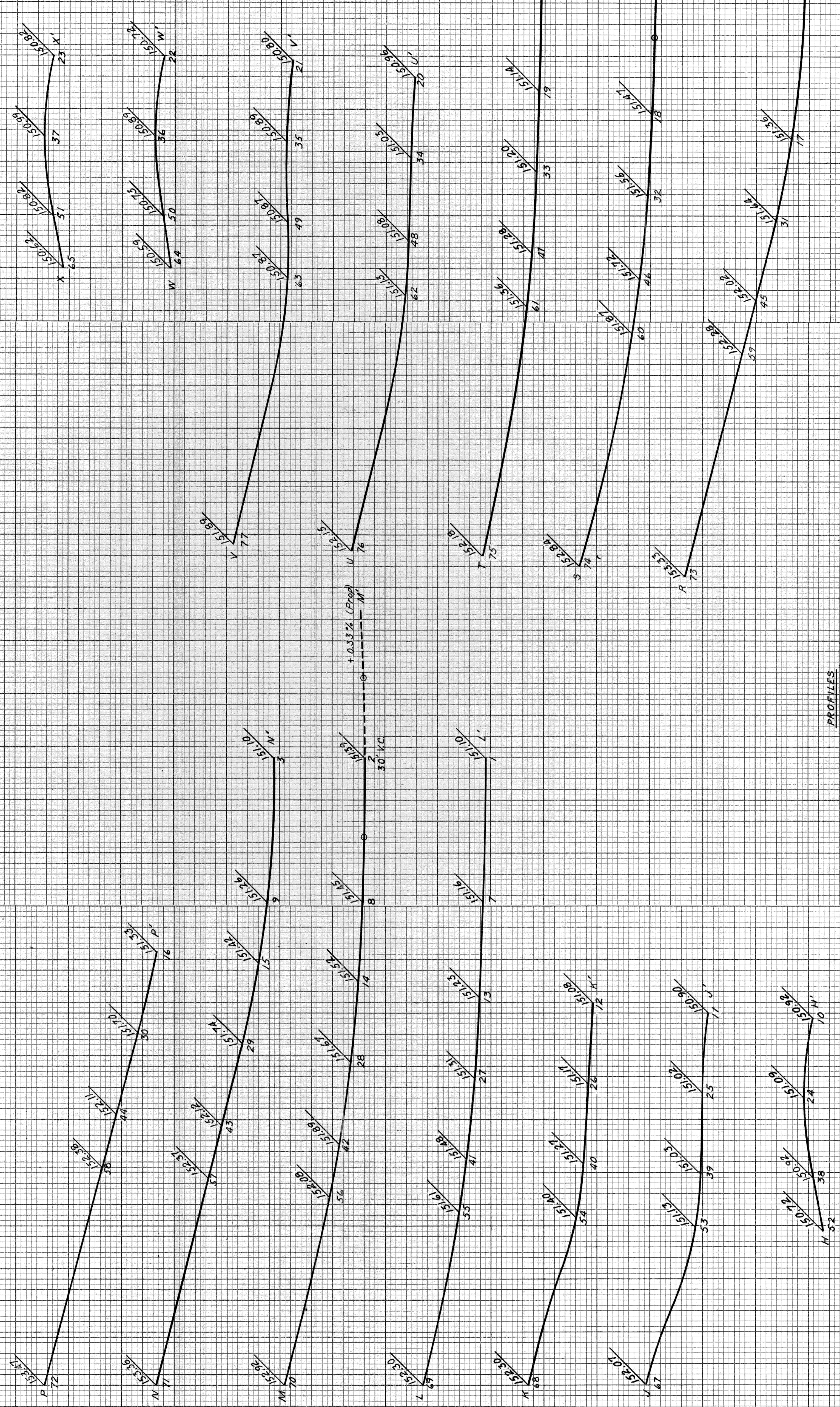
82251 C10

DETAILED GRADES FOR INTERSECTION OF
 WARREN AVE. AND EAST SERVICE DRIVE

STATE PROJ. NO. SHEET TOTAL
 MICH. 1257102152 4
 COUNTY CITY PROJECT SHEET SHEET
 ROUTE 82251 Wayne Detroit 46

DETAILED GRADES FOR INTERSECTION OF
 WARREN AVE. AND EAST SERVICE DRIVE

FILE NO. PROJECT SHEET
 82251 1257102152 46



Notes:
 For Plan & Profiles See Sh. # 45

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

PLOTTED	BY	DATE
CHECKED		

11/60	V. WICKER	DESIGNED
11/60	J. M. BREED	CHECKED
11/60	J. A. KOSKI	APPROVED
11/60	J. M. BREED	APPROVED
11/60	R. J. NEGRON	APPROVED
11/60	R. M. HICKS	APPROVED

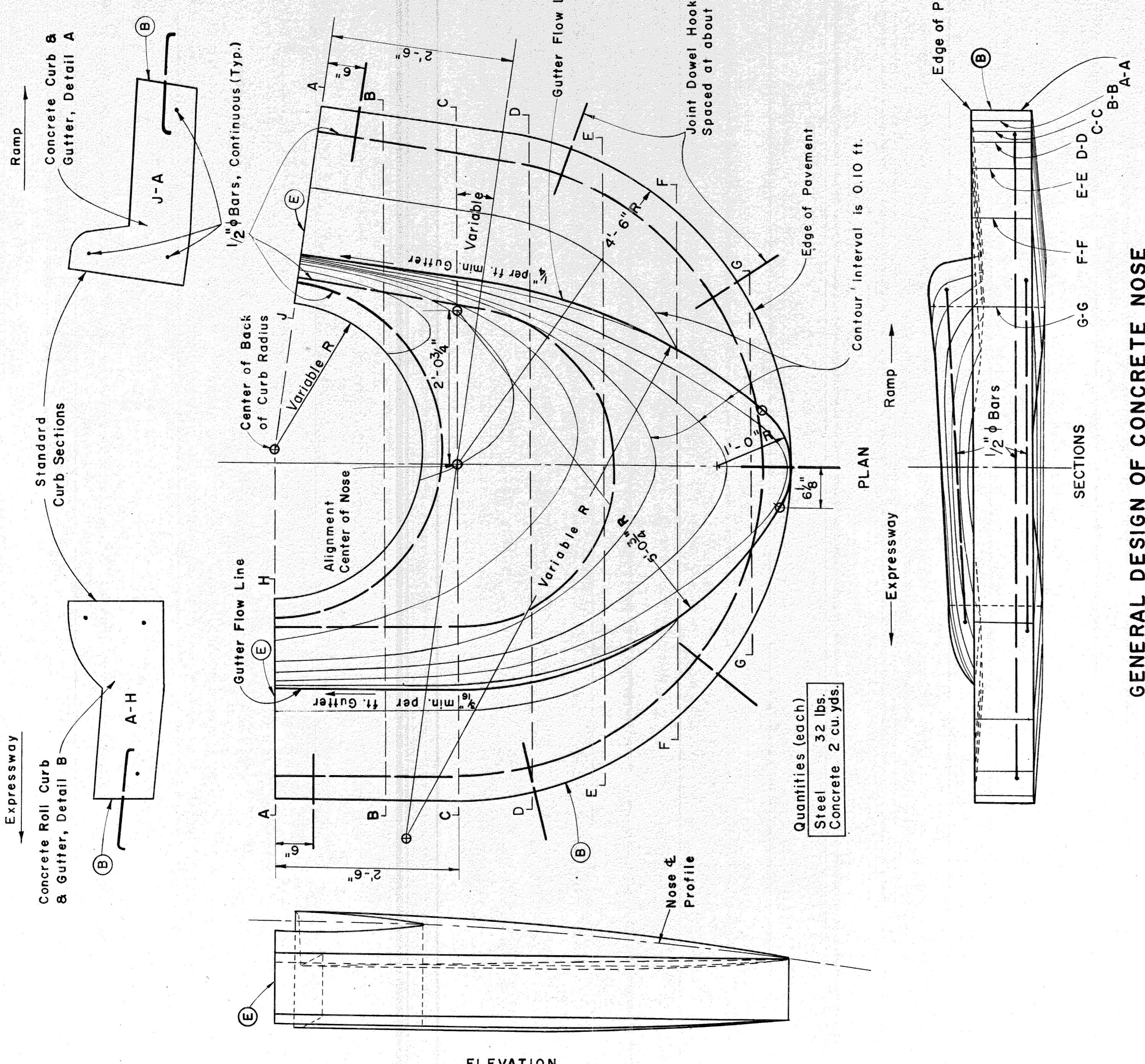
STATE	MICH.	PROJ. NO.	797/22252	SHEET	TOTAL SHEETS
COUNTY	Washtenaw	ROUTE	W22251	47	47
ROUTE	4	PROJ. NO.	797/22252	SHEET	TOTAL SHEETS
COUNTY	Washtenaw	ROUTE	W22251	47	47

Mistake Lane Curve Data

- $\Delta = 3^{\circ} 33' 58''$
- $D = 3^{\circ} 00' 00''$
- $R = 1909.86'$
- $T = 59.45'$
- $L = 118.87'$
- $E = 0.93'$

Mistake Lane Curve Data

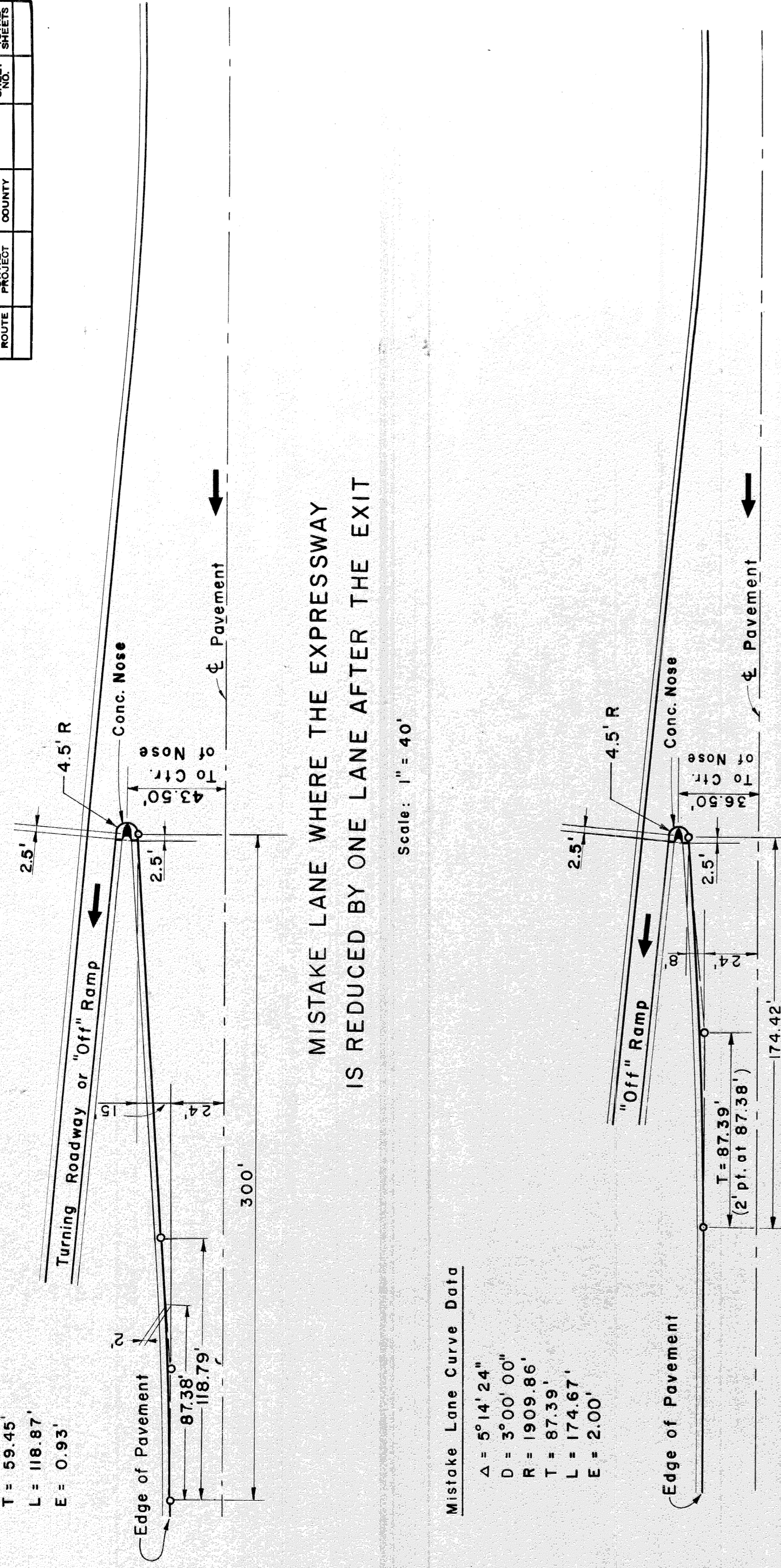
- $\Delta = 5^{\circ} 14' 24''$
- $D = 3^{\circ} 00' 00''$
- $R = 1909.86'$
- $T = 87.39'$
- $L = 174.67'$
- $E = 2.00'$



GENERAL DESIGN OF CONCRETE NOSE
TO BE USED AT POINTS OF EXIT FROM THE
EXPRESSWAY AS CALLED FOR ON PLANS

Scale: 1"=1'

- Notes: Noses will be warped to meet grade requirements as directed by the Engineer.
- The general notes on Standard Plan E-4-A-29E shall apply.
- For Joint Legend and Curb Detail See Sh#8



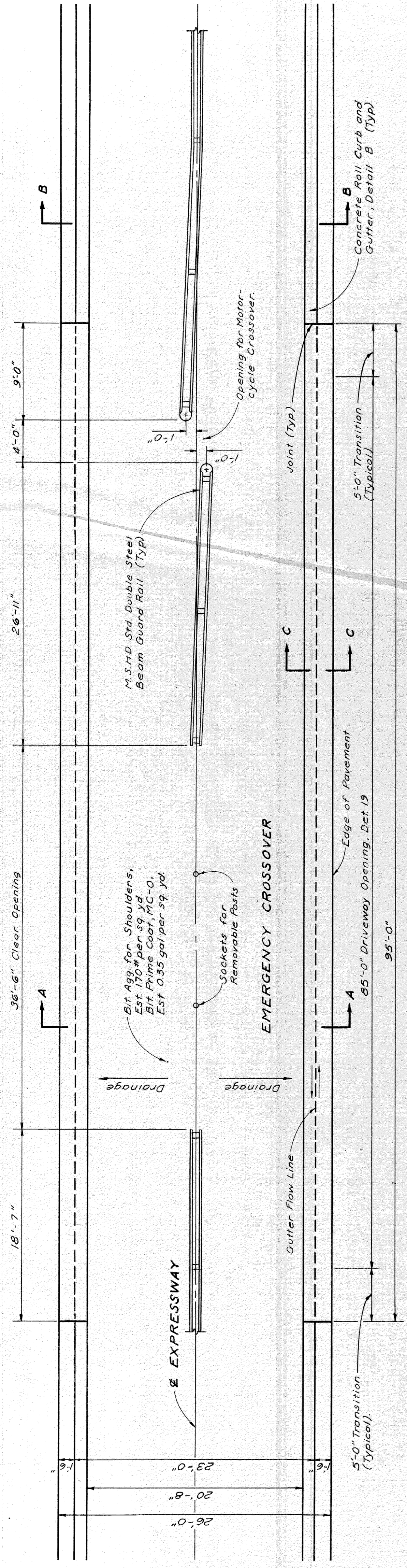
MISTAKE LANE WHERE THE EXPRESSWAY IS REDUCED BY ONE LANE AFTER THE EXIT

Scale: 1"=40'

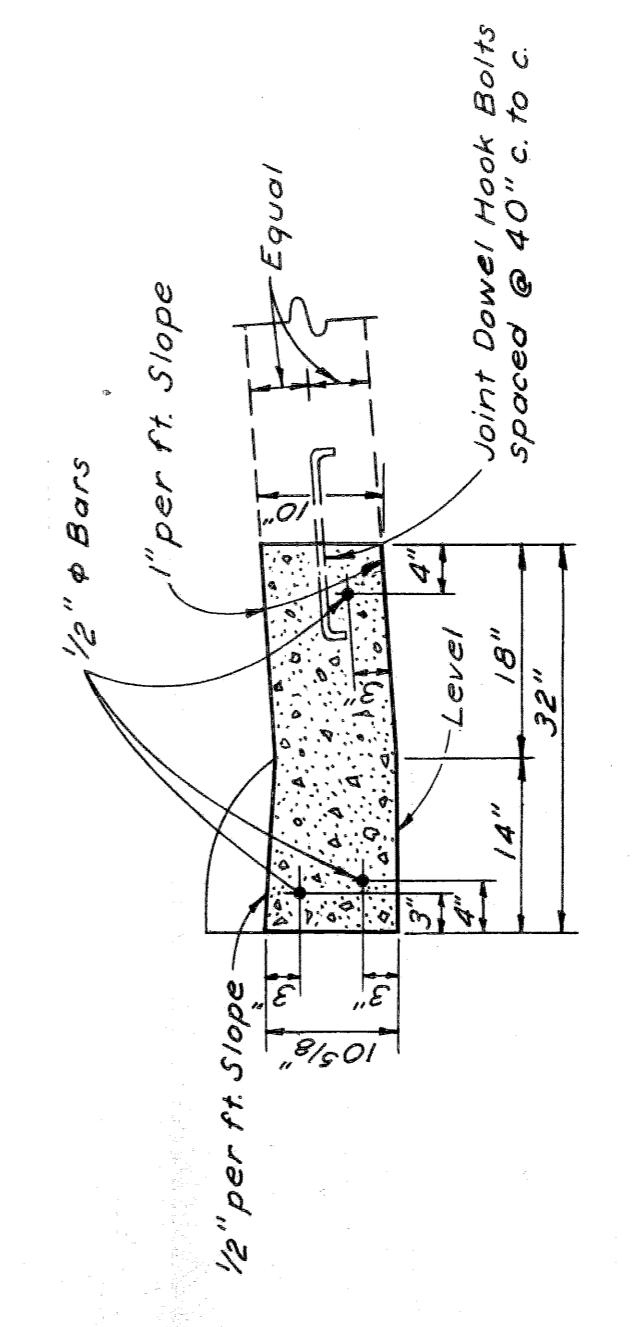
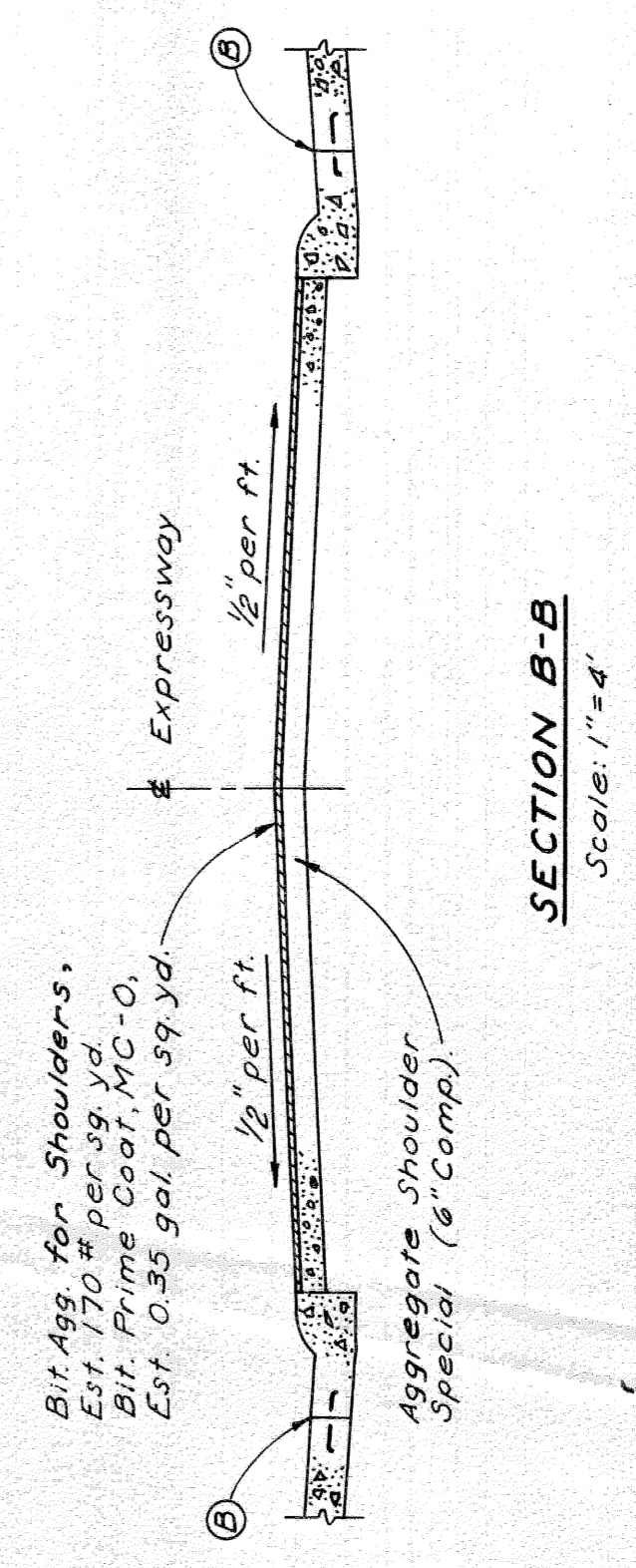
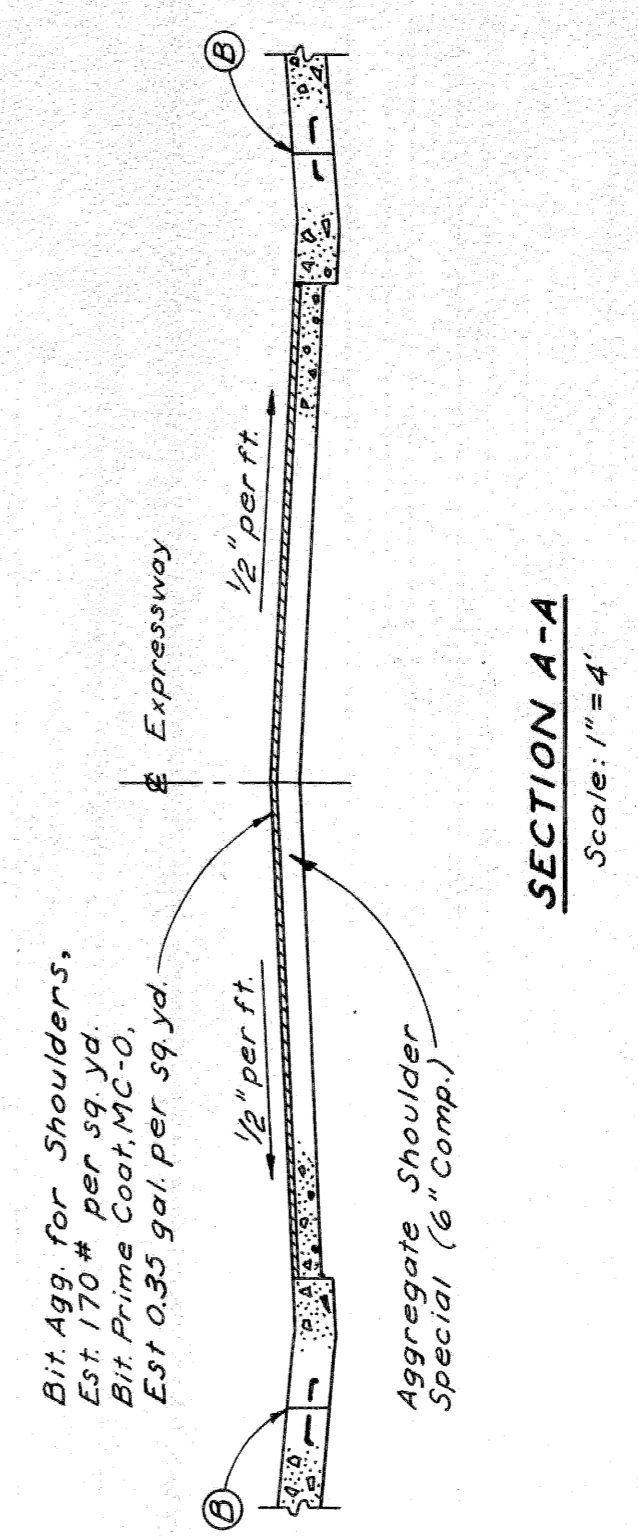
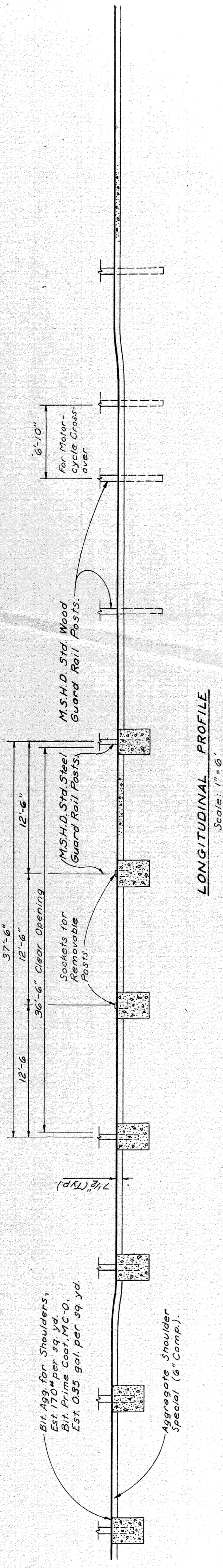
MISTAKE LANE WHERE THE SAME NUMBER OF EXPRESSWAY LANES CONTINUE AFTER THE EXIT

Scale: 1"=40'

STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MI	1977/1978	48	48
CITY	COUNTY	ROUTE	PROJECT
Detroit	Wayne	82251	
PROJ. NO.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
		48	48



Note: Steel Beam Guard Rail and all incidentals not included in contract.



MEDIAN CROSSOVER PAVING DETAILS