ROUTE	STATE PROJECT	FEDERAL NO.	SHEET NO.	TOTAL SHEETS
	82251F C41	I-75-1(82)53	1	

116.600-M-60

MICHIGAN

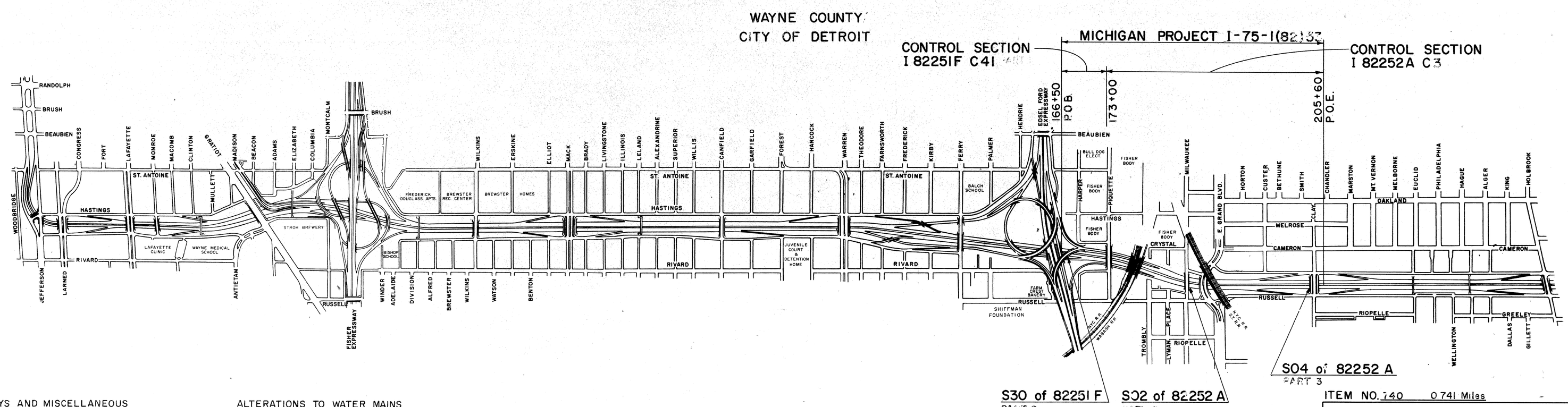
STATE HIGHWAY DEPARTMENT

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN STATE HIGHWAY DEPARTMENT ~~CURRENT~~ 1952 STANDARD SPECIFICATIONS AND SUPPLEMENTAL SPECIFICATIONS.

PLANS OF PROPOSED

MICHIGAN PROJECT I-75-1(82) 53
CONTROL SECTION BI 82252A C3 & BI 82251F C41
THE WALTER P. CHRYSLER EXPRESSWAY

WAYNE COUNTY
CITY OF DETROIT



ROADWAYS AND MISCELLANEOUS

1 TITLE SHEET
2 GENERAL PLAN
3-13 TYPICAL CROSS-SECTIONS
14 NOTES AND SPECIAL PROVISIONS
15-16 CONSTRUCTION SEQUENCE
17-21 REMOVAL ITEMS
22 GRADING PLAN
23-29 ALIGNMENT
30-53 PLAN AND PROFILE
54-66 DETAILED GRADES
67-72 GENERAL UTILITY PLAN
73-83 SPECIAL DETAILS
(SHEET 76 DELETED)

ALTERATIONS TO CITY SEWERS

84-87 PLAN AND DETAILS
88-89 SPECIAL DETAILS

ALTERATIONS TO WATER MAINS

90 GENERAL NOTES
92 GENERAL PLAN
93-98 PLANS AND PROFILES

ALTERATIONS TO PUBLIC LIGHTING

99-100 LEGEND AND GENERAL INFORMATION
101-107 GENERAL PLAN
108-110 UNDERBRIDGE LIGHTING
111-114 TRAFFIC SIGNALS
115-143 TYPICAL DETAILS

144-153 QUANTITY SHEETS

For Index of Plans of S 30 of 82251 F, S02 and S04 of 82252A see Sheet No. 202

ITEM NO. 740 0.741 Miles

CONTRACT FOR G. & D.S. PAVING & UTILITY ALTERATIONS

DIVISION APPROVAL

CHECKED — ENGINEER OF DESIGN-CONSULTANTS — DATE 1/29/65
RECOMMENDED FOR APPROVAL — TRAFFIC ENGINEER — DATE 1/29/65
RECOMMENDED FOR APPROVAL — ENGINEER OF BRIDGE AND ROAD DESIGN — DATE 1/29/65

OFFICES OF DESIGN AND CONSTRUCTION

APPROVED — CONSTRUCTION ENGINEER — DATE 2-5-65
APPROVED — CHIEF DESIGN ENGINEER — DATE 2-5-65

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

APPROVED R.R. Hicks — ENGINEER OF EXPRESSWAYS
APPROVED Edward Benarducci — ASSOCIATE CITY ENGINEER-HIGHWAYS AND EXPRESSWAYS
APPROVED Clyde A. Palmer — CITY ENGINEER
APPROVED Sam Kushner — COMMISSIONER OF PUBLIC WORKS AND EXPRESSWAY COORDINATOR

STATE HIGHWAY DEPARTMENT APPROVAL

HOWARD E. HILL — ACTING DIRECTOR

APPROVED BY — DIRECTOR OF ENGINEERING-CHIEF ENGINEER — DATE

PLANS PREPARED BY
CITY OF DETROIT
DEPARTMENT OF
PUBLIC WORKS

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

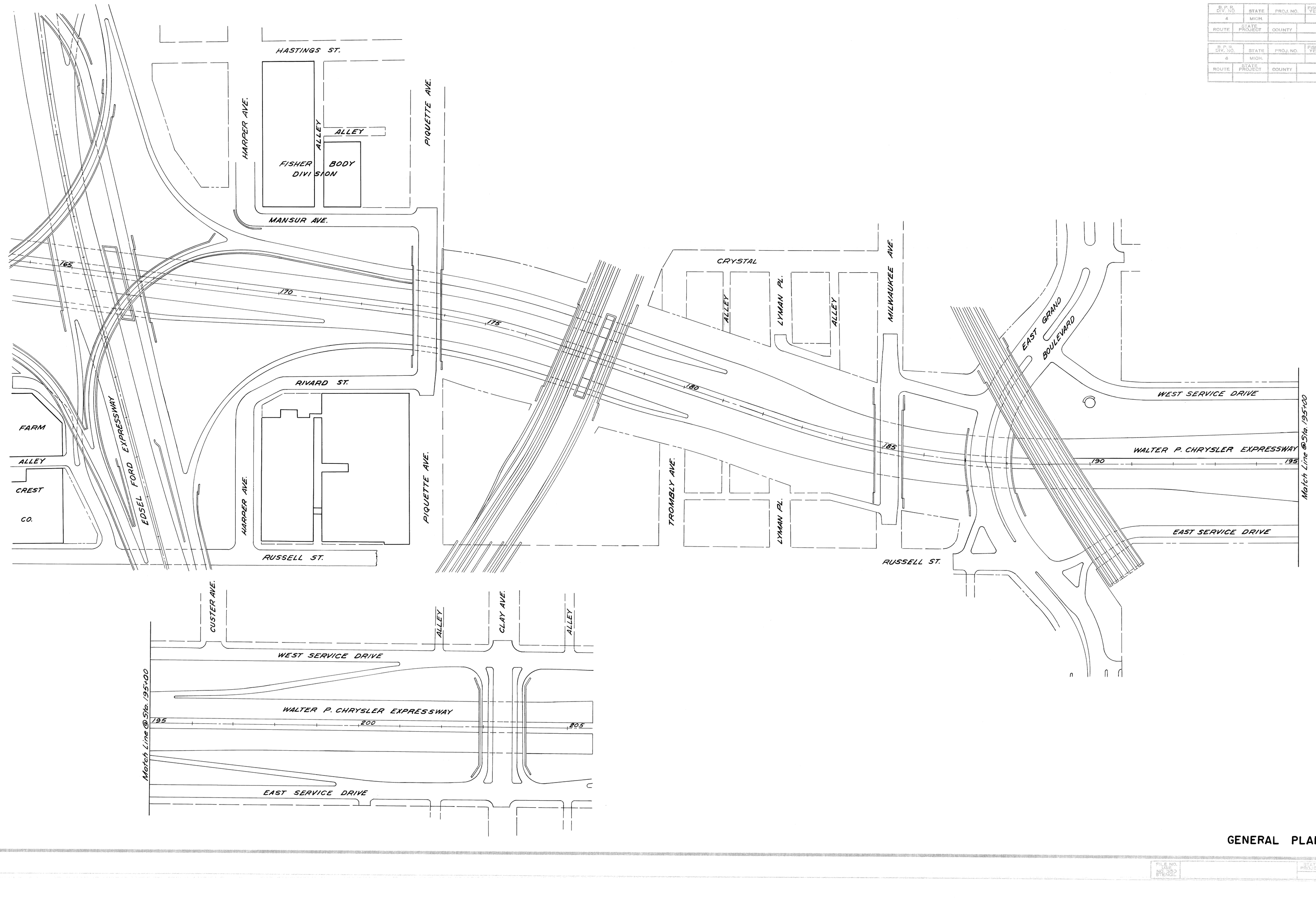
APPROVED [redacted]
DIVISION ENGINEER — DATE

82251F C41	PROJECT NO.	FEDERAL PROJECT	SHEET NO.
	82251 F C41	I-75-1(82)53	1

PROJECT NO. BI 82252A C3 & BI 82251F C41

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

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



GENERAL PLAN

FILE NO. DES. NO. 352		STATE PROJECT	FEDERAL PROJECT	SHEET NO.

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	2	

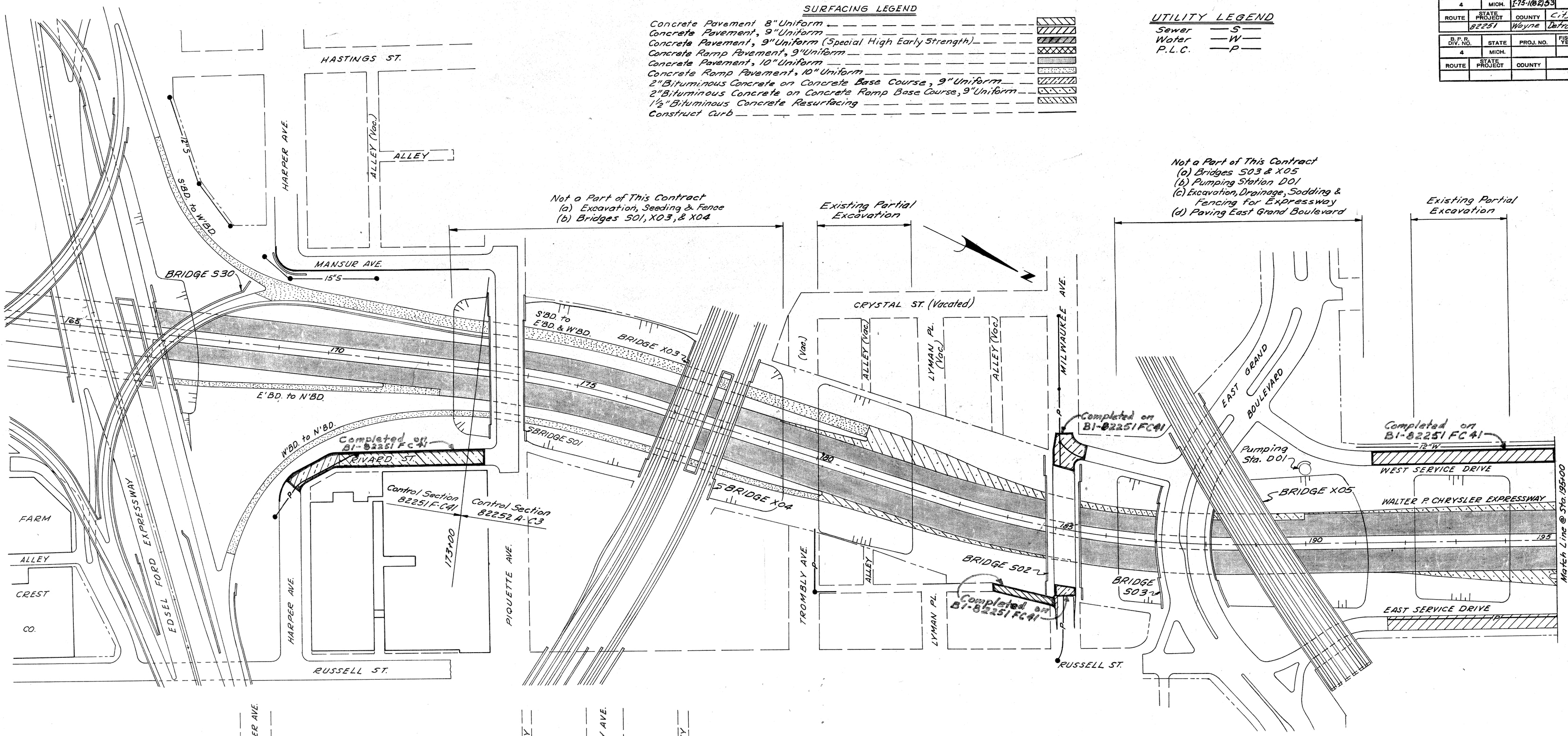
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

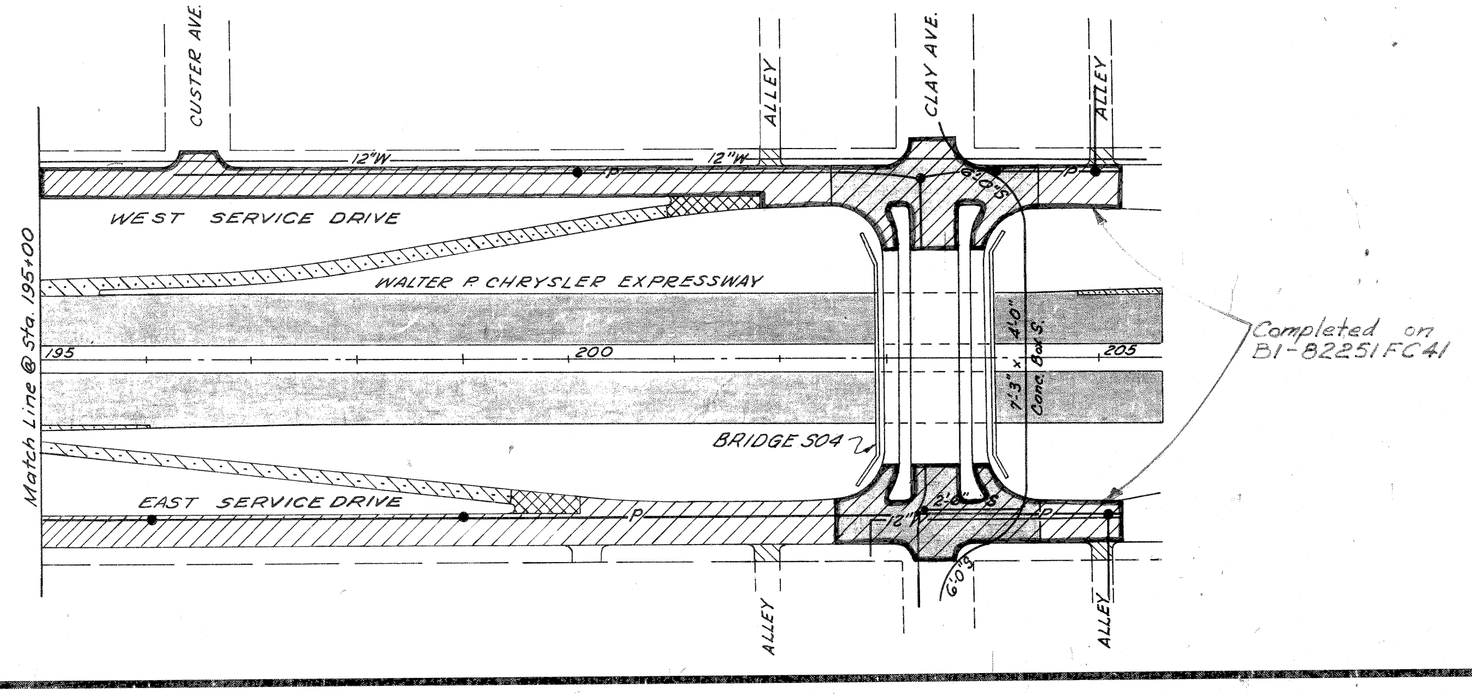
SURFACING LEGEND

- Concrete Pavement 8" Uniform
- Concrete Pavement, 9" Uniform
- Concrete Pavement, 9" Uniform (Special High Early Strength)
- Concrete Ramp Pavement, 9" Uniform
- Concrete Pavement, 10" Uniform
- Concrete Ramp Pavement, 10" Uniform
- 2" Bituminous Concrete on Concrete Base Course, 9" Uniform
- 2" Bituminous Concrete on Concrete Ramp Base Course, 9" Uniform
- 1½" Bituminous Concrete Resurfacing
- Construct Curb

UTILITY LEGEND

- Sewer —S—
- Water —W—
- P.L.C. —P—





ITEMS IN CONTRACT

EXPRESSWAY
Complete excavation, grading, drainage structures, paving, sodding and fencing from Edsel Ford Expressway to North of Clay.

SURFACE STREETS
Grading, drainage structures and paving of the Service Drives from East Grand Boulevard to North of Clay.
Resurfacing Rivard
Relocating Harper - Rivard Interseaction

UTILITY ALTERATIONS
Water Mains
Proposed 12" Main in West Service Drive
Miscellaneous Alterations

SEWERS
Proposed 7'-3" x 4'-0" Box Sewer North of Clay
Proposed 12" and 15" Sewer Near Harper and Mansur
Proposed 2'-6" Sewer in East Service Drive at Clay
Miscellaneous Alterations

PUBLIC LIGHTING
Lighting of Expressway, Turning Roadways and Service Drives
Rerouting Duct Runs
Traffic Signalization
Miscellaneous Alterations

BRIDGES AND STRUCTURES
Southbound to Eastbound Turning Roadway Bridge S30 of 82251 F including Retaining Walls.
Milwaukee Bridge S02 of 82252 A
Clay Bridge 504 of 82252 A

GENERAL PLAN

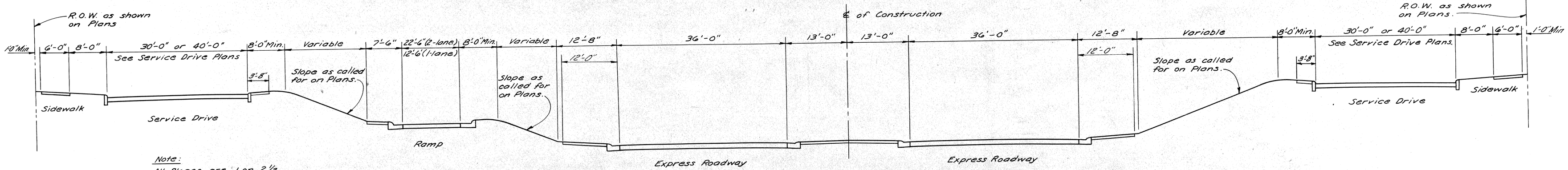
J.V. WICKEY 1-65
F.C. ALTABIANO 1-65
N. McLEAN 1-65
Allan E. Sayer 1-65

FILE NO. 1788 NO. 350 STENCIL	82251F-C 41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	2

TYPICAL CROSS-SECTIONS

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	3	

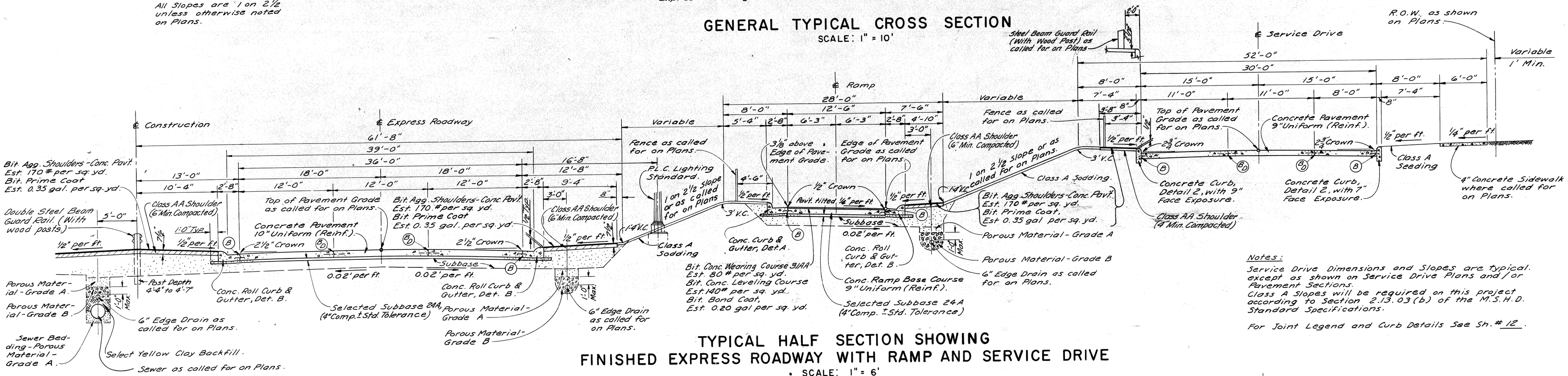
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS



Note:
All Slopes are 1 on 2½ unless otherwise noted on Plans.

GENERAL TYPICAL CROSS SECTION

SCALE: 1" = 10'

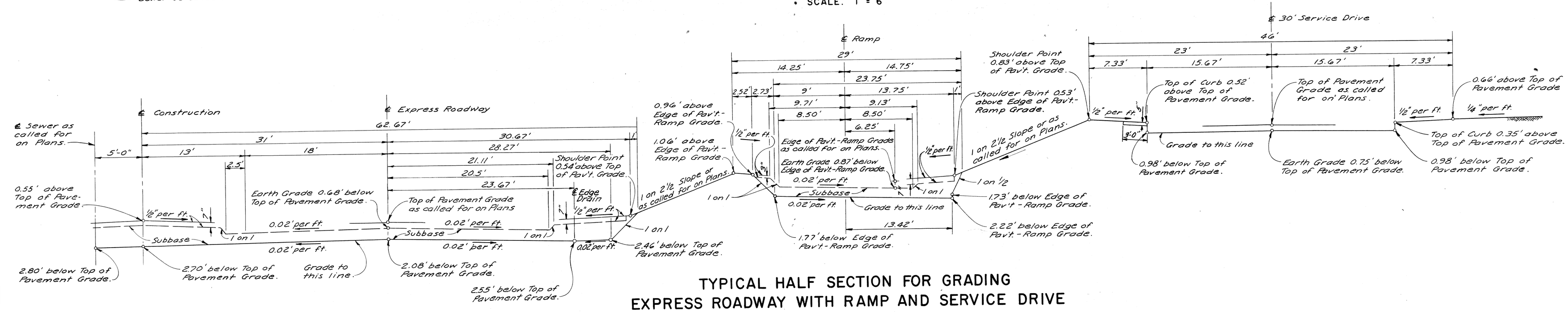


Notes:
Service Drive Dimensions and Slopes are typical. except as shown on Service Drive Plans and/or Pavement Sections.
Class A Slopes will be required on this project according to Section 2.13.03(b) of the M.S.H.D. Standard Specifications.

For Joint Legend and Curb Details See Sh. # 12.

TYPICAL HALF SECTION SHOWING FINISHED EXPRESS ROADWAY WITH RAMP AND SERVICE DRIVE

SCALE: 1" = 6'



TYPICAL HALF SECTION FOR GRADING EXPRESS ROADWAY WITH RAMP AND SERVICE DRIVE

SCALE: 1" = 6'

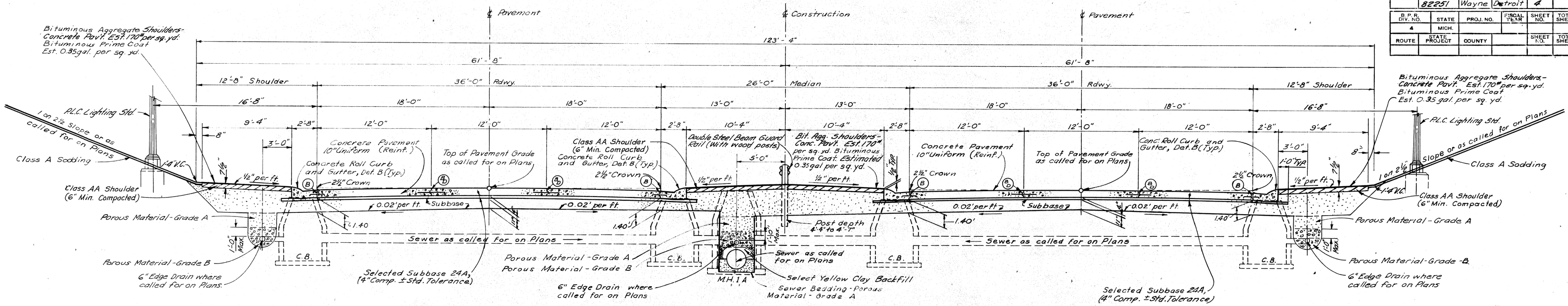
36' ROADWAYS

FILE NO. USE NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	3

TYPICAL CROSS SECTIONS

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	4	

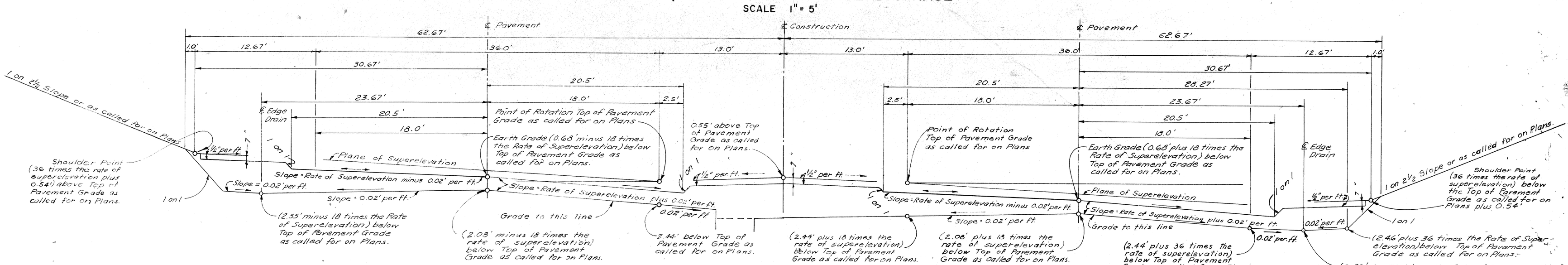
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS



TYPICAL CROSS SECTION OF EXPRESSWAY SHOWING PAVEMENT, SUBBASE AND UNDERDRAINAGE

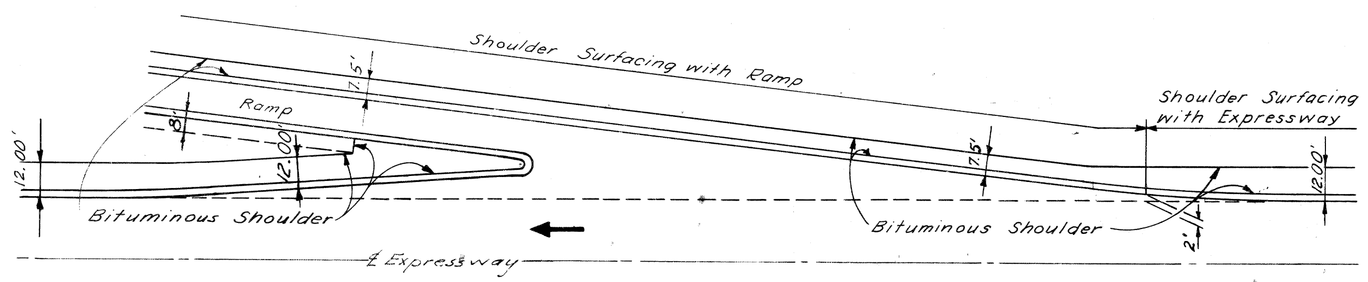
SCALE 1" = 5'

NOTE: For Joint Legend & Curb Details, See Sh. # 12.



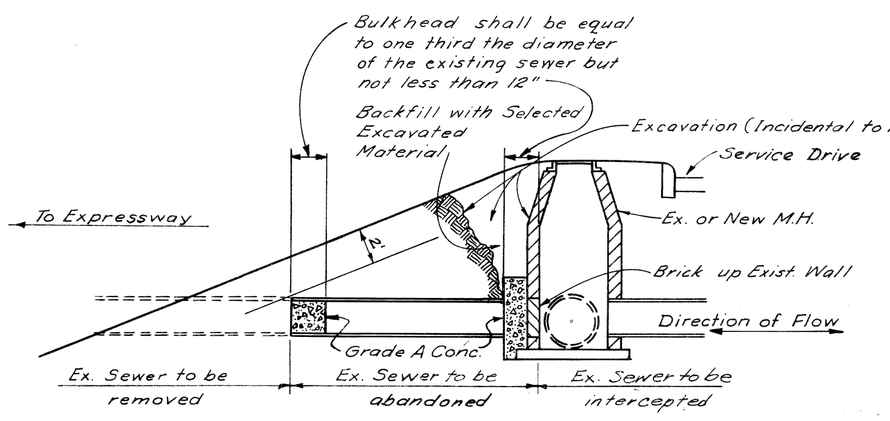
TYPICAL CROSS SECTION FOR GRADING SUPERELEVATED EXPRESSWAY

SCALE 1" = 5'



SKETCH SHOWING THE PLACEMENT OF BITUMINOUS SHOULDER SURFACE AT RAMPS

SCALE 1" = 40'



SKETCH SHOWING METHOD FOR BULKHEADING SEVERED SEWERS

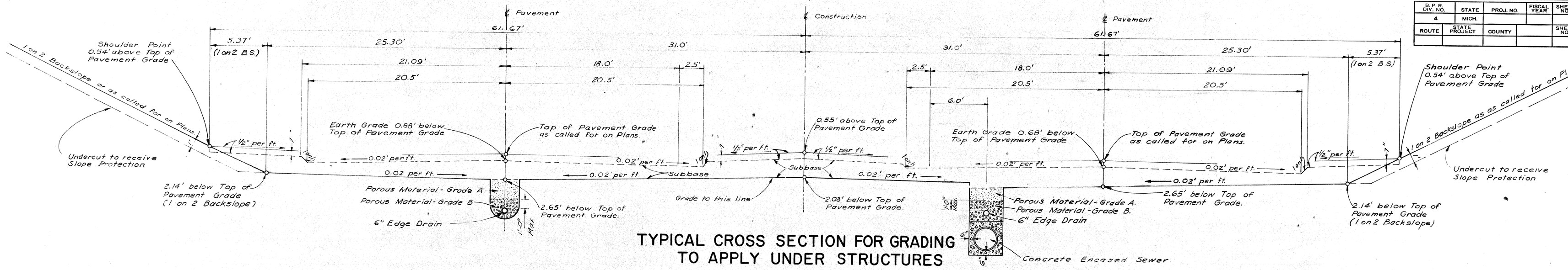
36' ROADWAYS AND DETAIL EXPRESSWAY SECTIONS

FILE NO. USE NO. 350 STENCIL	8225 1F-C41	STATE PROJECT 82251	FEDERAL PROJECT I-75-1(82)53	SHEET NO. 4

TYPICAL CROSS-SECTIONS

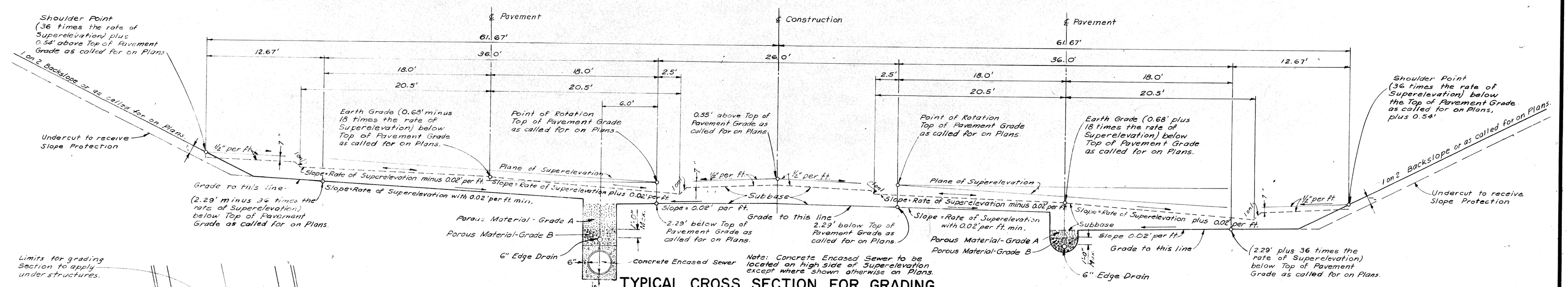
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	5	

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



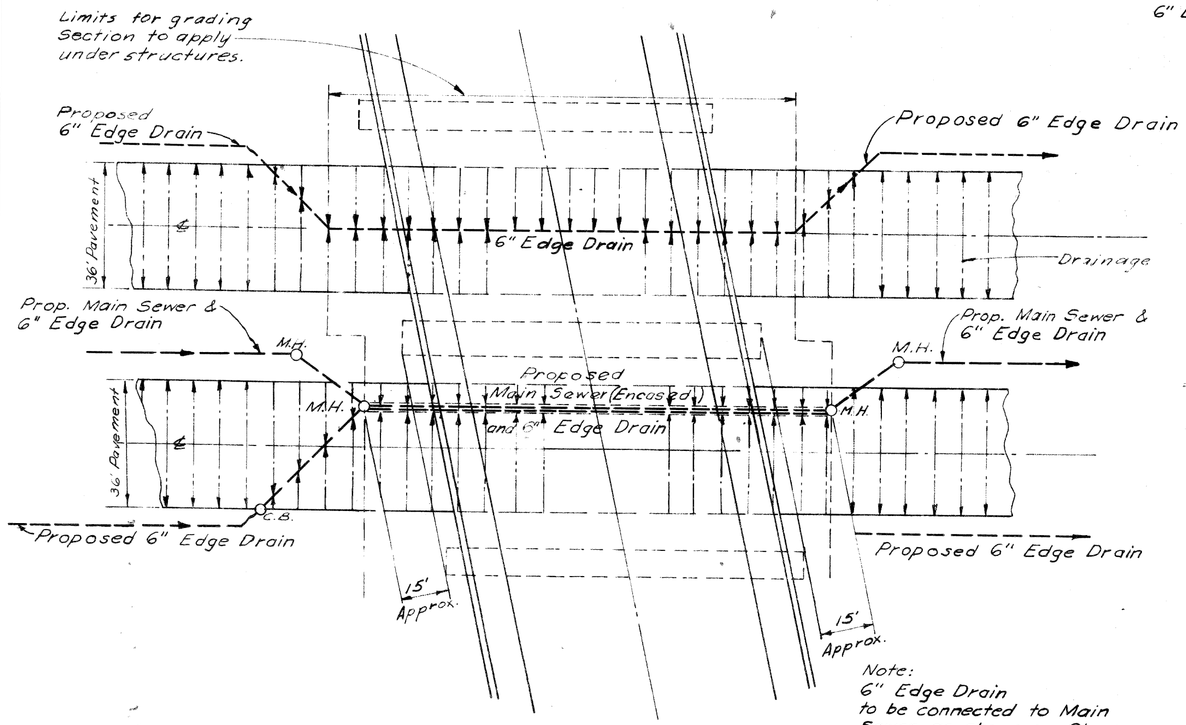
TYPICAL CROSS SECTION FOR GRADING TO APPLY UNDER STRUCTURES

SCALE 1" = 5'



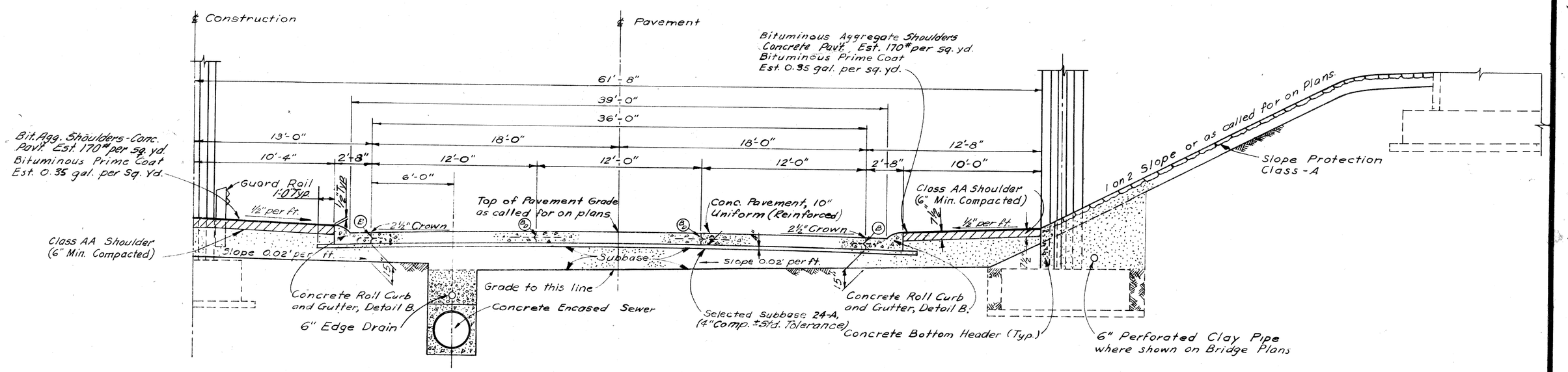
TYPICAL CROSS SECTION FOR GRADING TO APPLY UNDER STRUCTURES ON SUPERELEVATED CURVES

SCALE 1" = 5'



PLAN SHOWING SUBBASE DRAINAGE UNDER STRUCTURES

NOTE: For Joint Legend and Curb Details See Sh. #12



TYPICAL HALF SECTION SHOWING FINISHED EXPRESS ROADWAY TO APPLY UNDER STRUCTURES

SCALE 1" = 5'

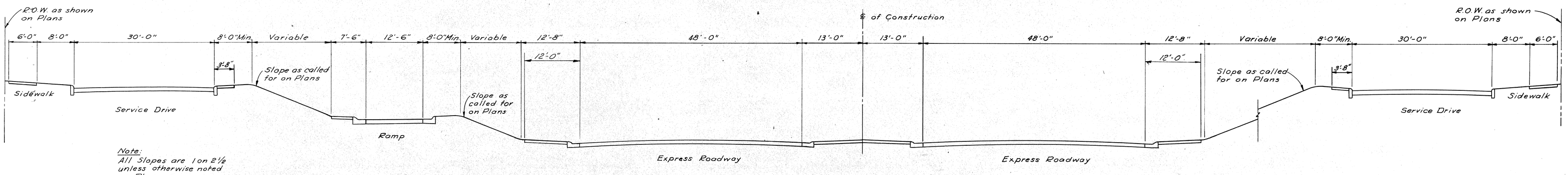
36' ROADWAYS

FILE NO. USE NO. 450 STENCIL	82251 F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	5

TYPICAL CROSS-SECTIONS

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-151(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	6	

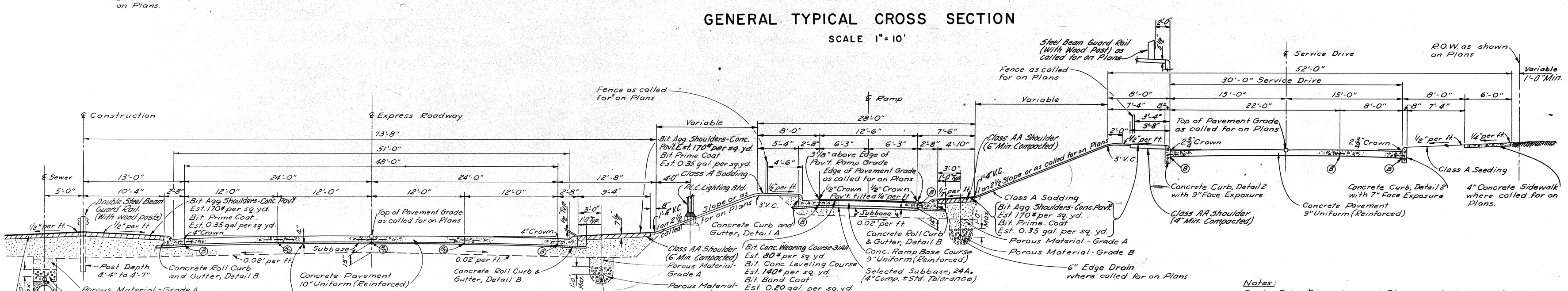
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS



Note:
All Slopes are 1 on 2½ unless otherwise noted on Plans.

GENERAL TYPICAL CROSS SECTION

SCALE 1" = 10'



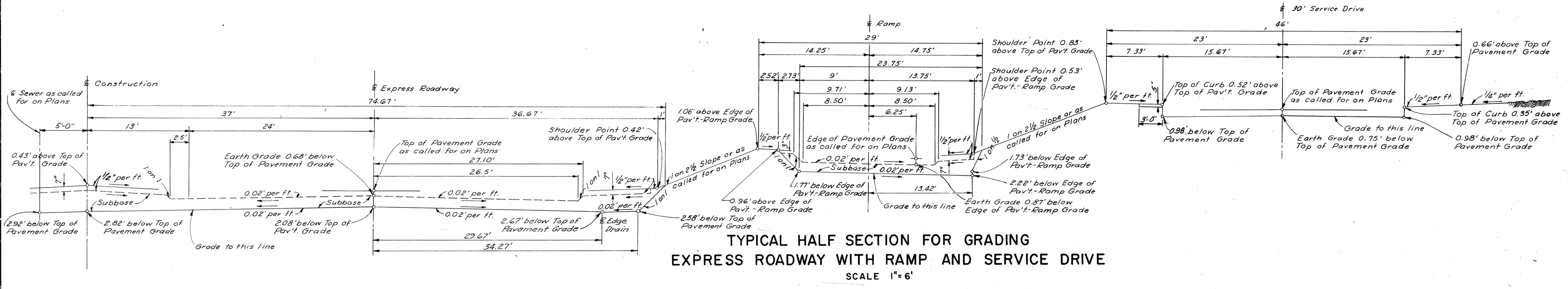
TYPICAL HALF SECTION SHOWING FINISHED EXPRESS ROADWAY WITH RAMP AND SERVICE DRIVE

SCALE 1" = 6'

Notes:
Service Drive Dimensions and Slopes are typical except as shown on Service Drive Plans and/or Pavement Sections.

Class A Slopes are required on this Project according to Section 2.13.03(b) of the Standard Specifications.

For Joint Legend and Curb Details see Sh. # 12



TYPICAL HALF SECTION FOR GRADING EXPRESS ROADWAY WITH RAMP AND SERVICE DRIVE

SCALE 1" = 6'

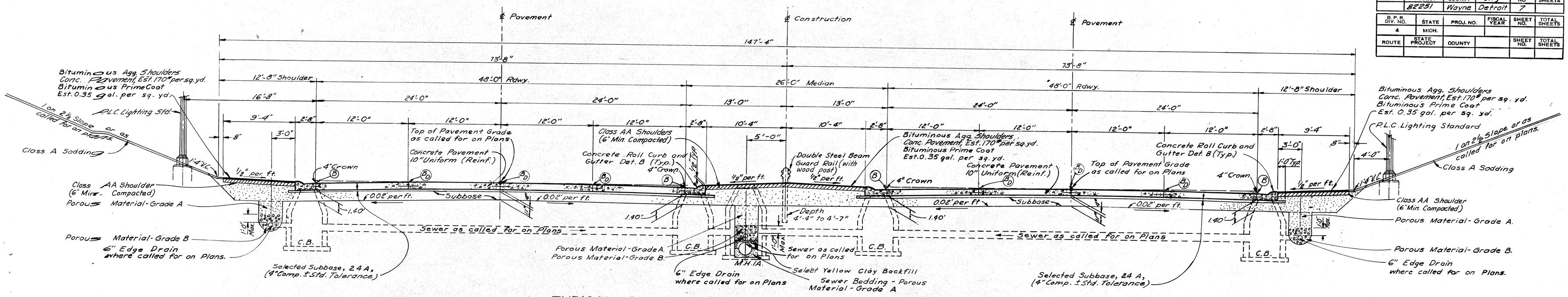
48' ROADWAY

FILE NO. USE NO. 330 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	F-151-1(82)53	6

TYPICAL CROSS SECTIONS

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	7	

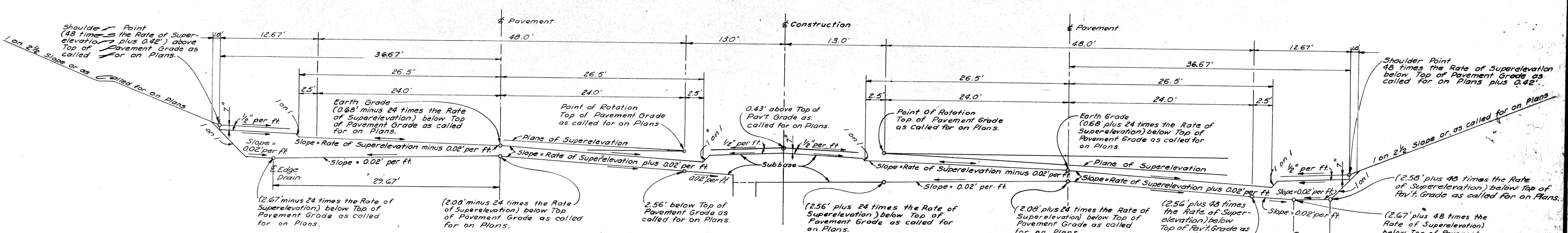
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS



TYPICAL CROSS SECTION OF EXPRESSWAY SHOWING PAVEMENT, SUBBASE AND UNDERDRAINAGE

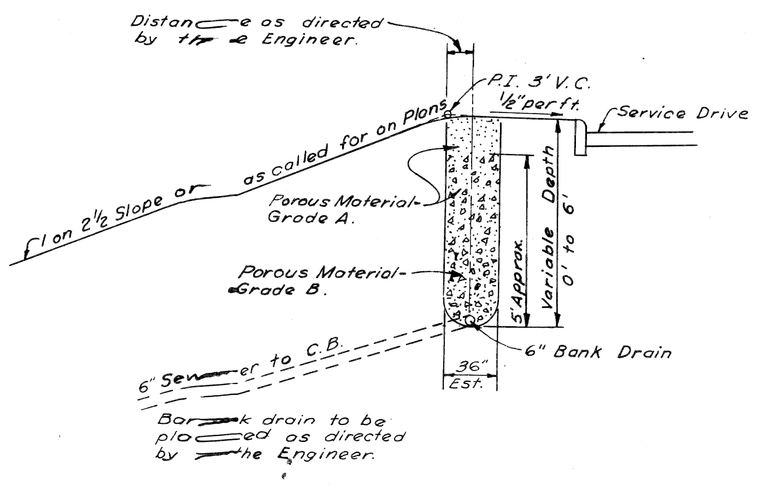
SCALE 1" = 6'

NOTE:
For Joint Legend & Curb Details, See Sh.# 12.



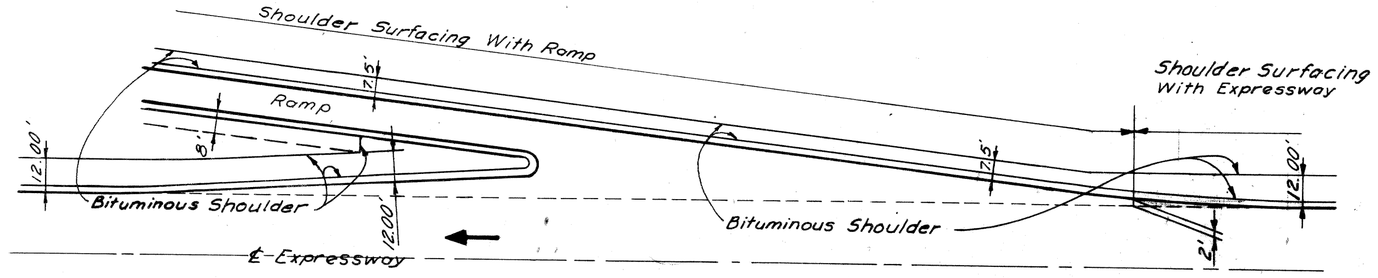
TYPICAL CROSS SECTION FOR GRADING SUPERELEVATED EXPRESSWAY

SCALE 1" = 6'



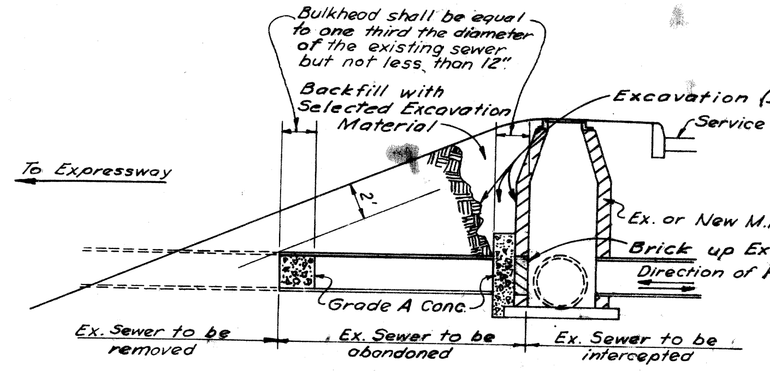
SKETCH SHOWING BANK DRAIN USED WHERE DIRECTED BY THE ENGINEER

SCALE 1" = 6'



SKETCH SHOWING THE PLACEMENT OF BITUMINOUS SHOULDER SURFACE AT RAMPS

SCALE 1" = 40'



SKETCH SHOWING METHOD FOR BULKHEADING SEVERED SEWERS

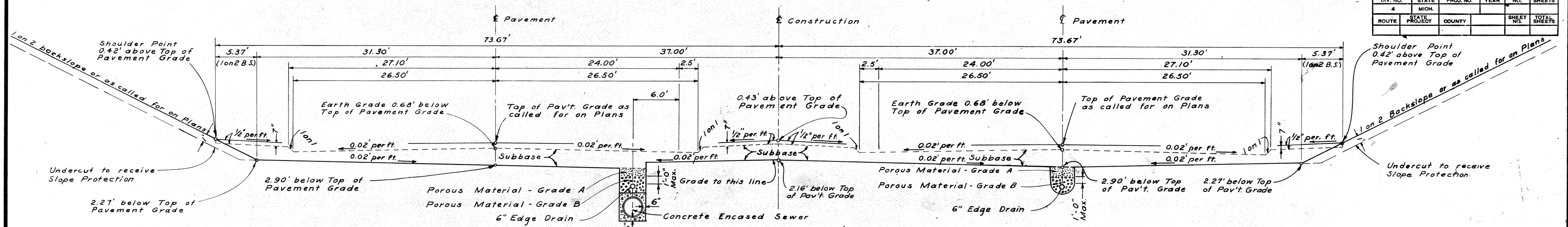
48' ROADWAY AND DETAIL EXPRESSWAY SECTIONS

FILE NO. AND SHEET NO.	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
8225IF-C41	82251	I-75-1(82)53	7

TYPICAL CROSS-SECTIONS

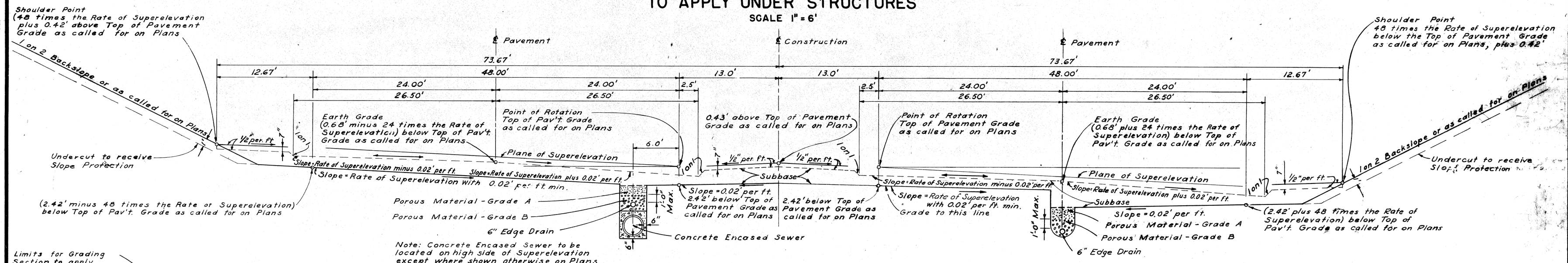
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	8	

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



TYPICAL CROSS SECTION FOR GRADING TO APPLY UNDER STRUCTURES

SCALE 1" = 6'

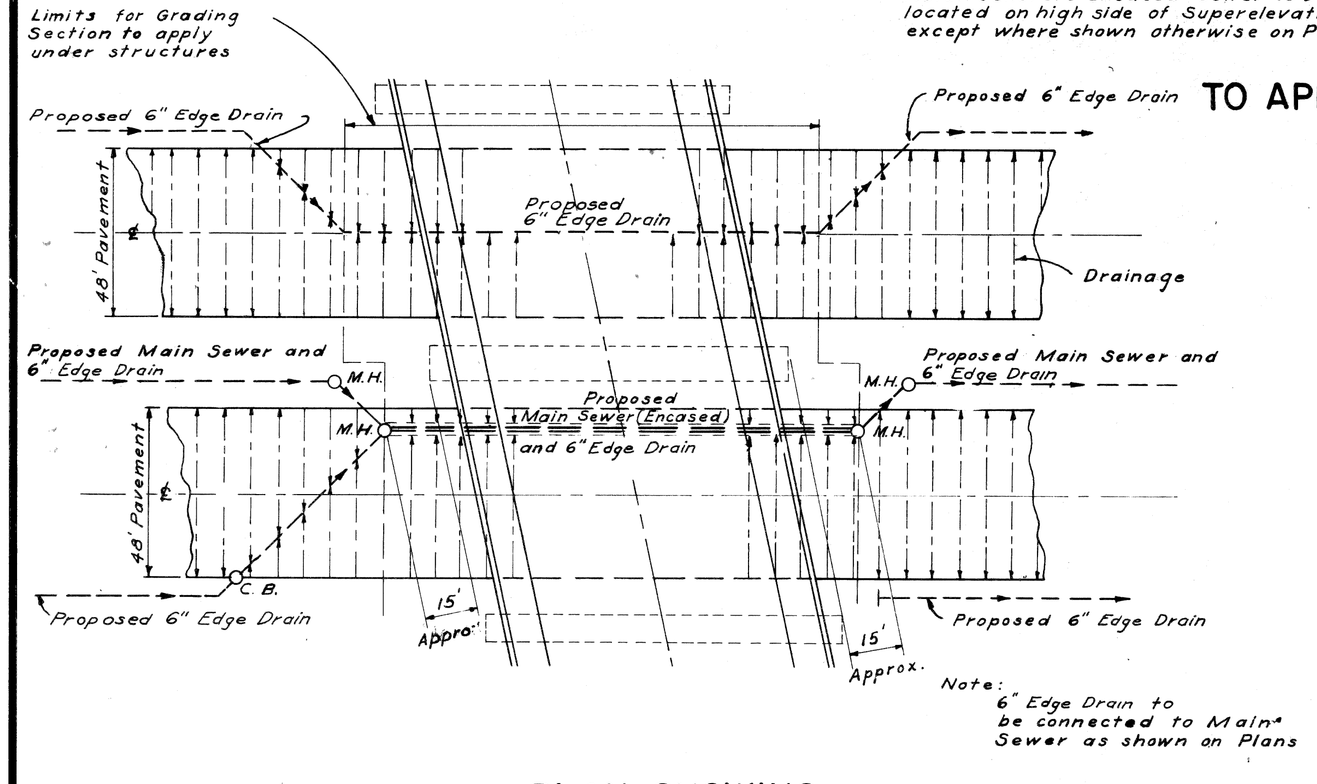


Note: Concrete Encased Sewer to be located on high side of Superelevation except where shown otherwise on Plans

TYPICAL CROSS SECTION FOR GRADING TO APPLY UNDER STRUCTURES ON SUPERELEVATED CURVES

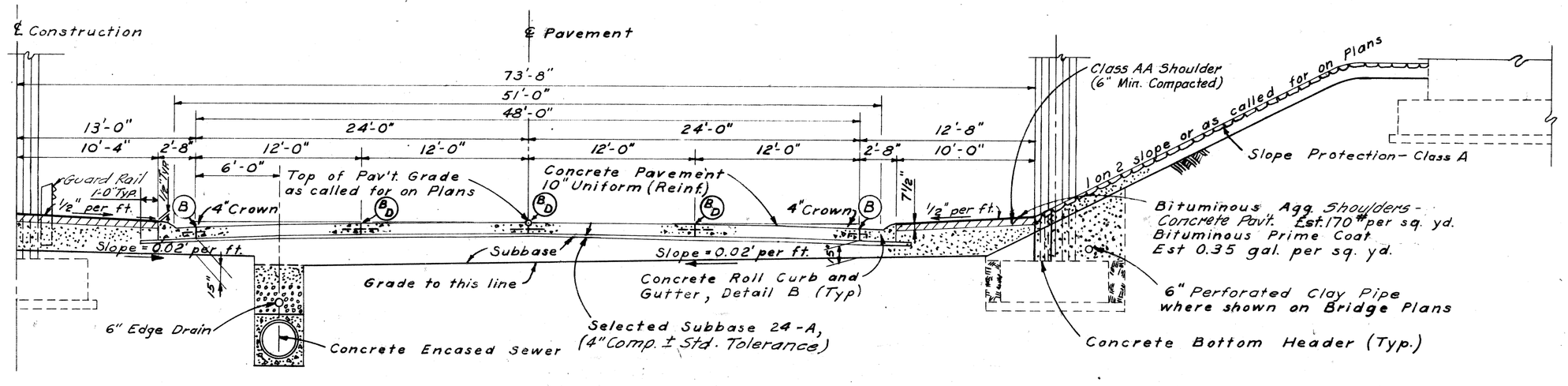
SCALE 1"=6'

Note: For Joint Legend and Curb Details See Sheet #12.



Note: 6" Edge Drain to be connected to Main Sewer as shown on Plans

PLAN SHOWING SUBBASE DRAINAGE UNDER STRUCTURES



TYPICAL HALF SECTION SHOWING FINISHED EXPRESS ROADWAY TO APPLY UNDER STRUCTURES

SCALE 1"=6'

48' ROADWAY

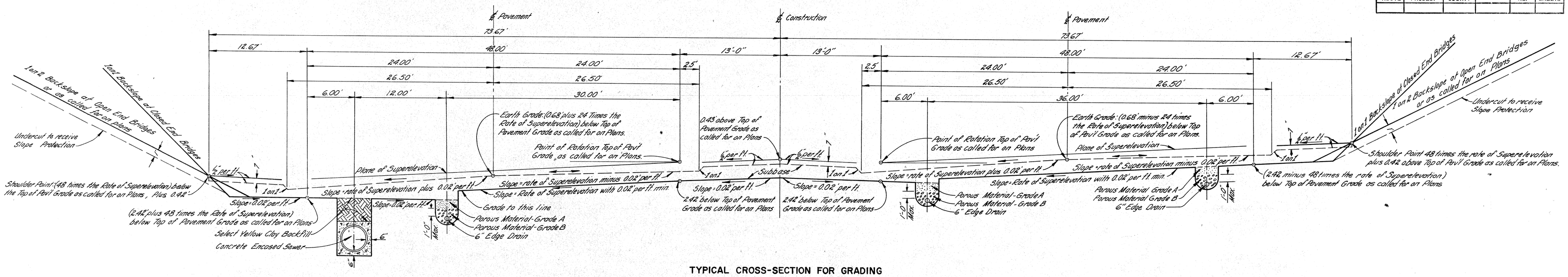
FILE NO. USE NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	F-75-1(82)53	8

E.D. OK

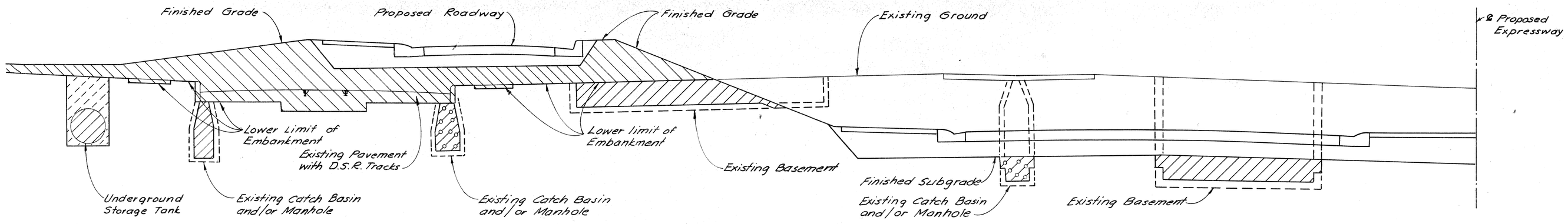
TYPICAL CROSS-SECTIONS

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	9	

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



TYPICAL CROSS-SECTION FOR GRADING TO APPLY UNDER BRIDGES S03 & X05 ON SUPERELEVATED CURVES
SCALE 1"=6'



TYPICAL CROSS-SECTION OF EMBANKMENT AND BACKFILL
SCALE: 1"=6'

Earthwork Legend

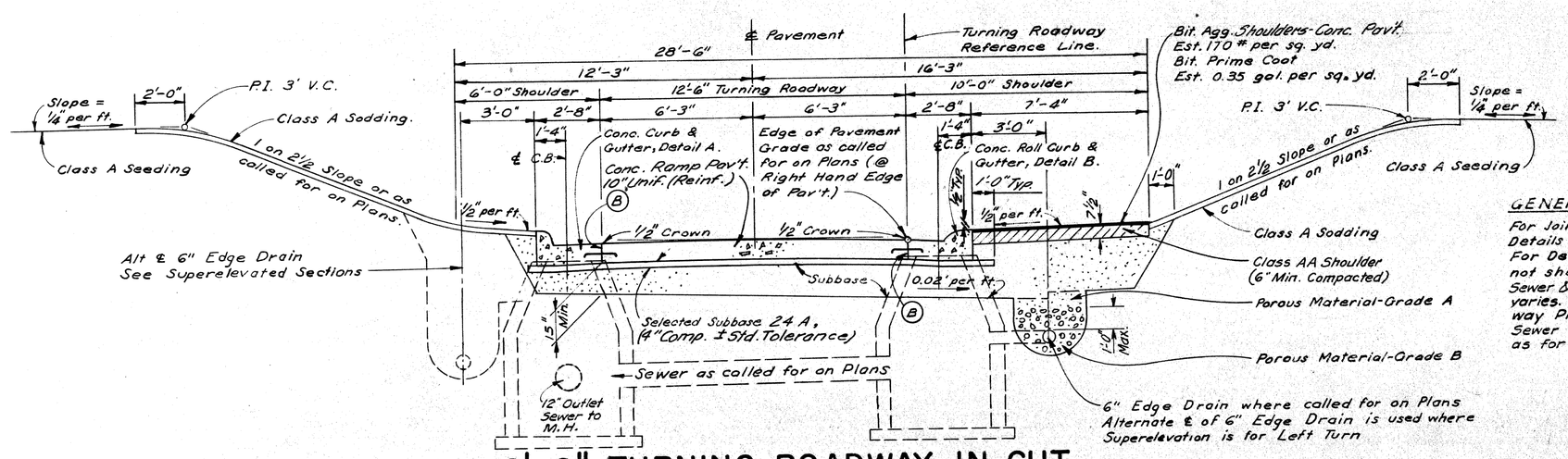
- Embankment
- Backfill
- Porous Material - Grade A
- Select Yellow Clay Backfill
- Excavated Material Suitable for Backfill

Embankments shall consist of all Earthwork required above the existing ground line or above the ground line after removal of the top soil, pavements, curbs, sidewalks and concrete floor slabs.

FILE NO. USE NO. 350 STENCIL	8225IF-C 41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-(82)53	9

TYPICAL CROSS-SECTIONS

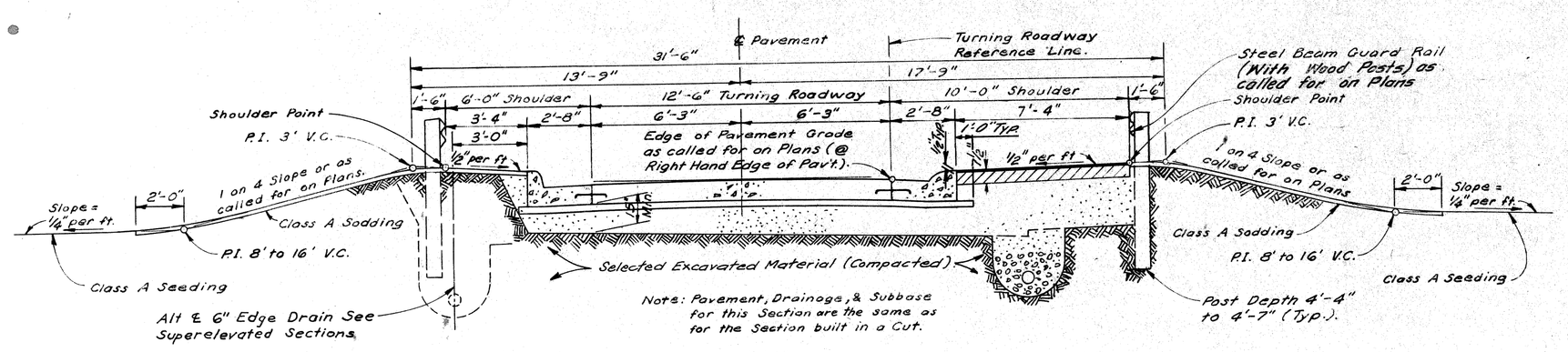
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	10	



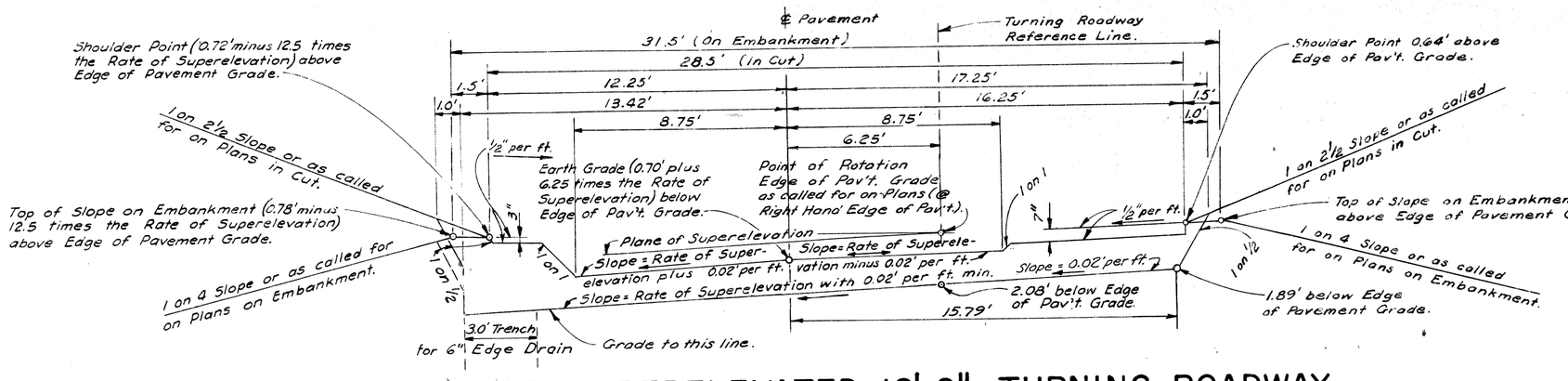
12'-6" TURNING ROADWAY IN CUT

GENERAL NOTES:

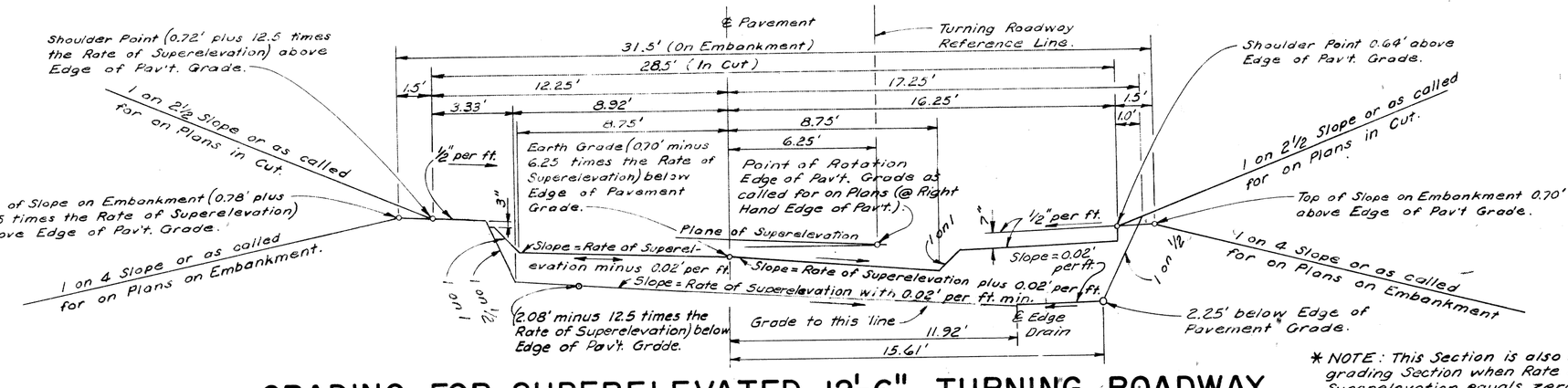
For Joint Legend and Curb Details See Sh. # 12.
For Details of Pavement not shown See Sh. # 12.
Sewer & M.H. not dimensioned as location varies. For location see Turning Roadway Plans.
Sewer Bedding & Backfill is the same as for Main Roadway Sewers.



12'-6" TURNING ROADWAY ON EMBANKMENT



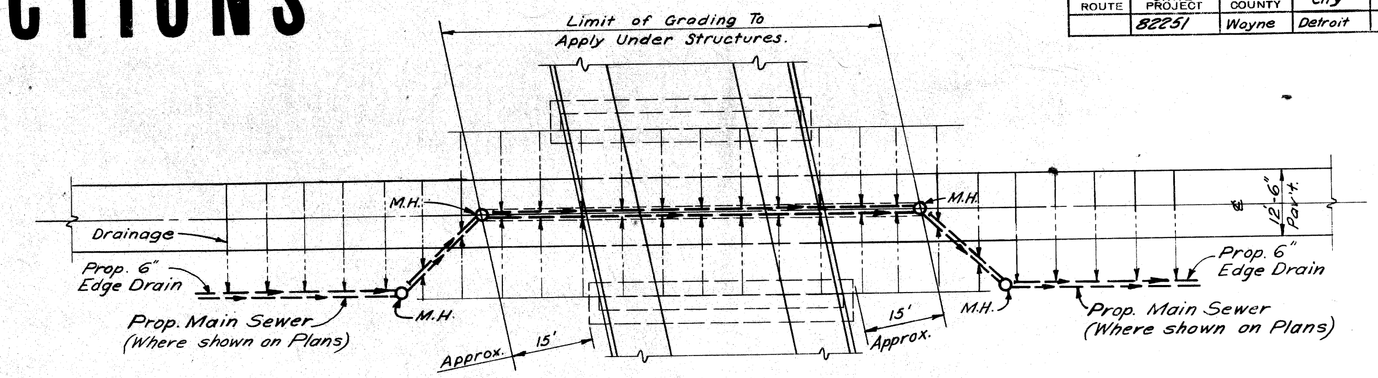
GRADING FOR SUPERELEVATED 12'-6" TURNING ROADWAY (TURNING TO LEFT)



GRADING FOR SUPERELEVATED 12'-6" TURNING ROADWAY (TURNING TO RIGHT)*

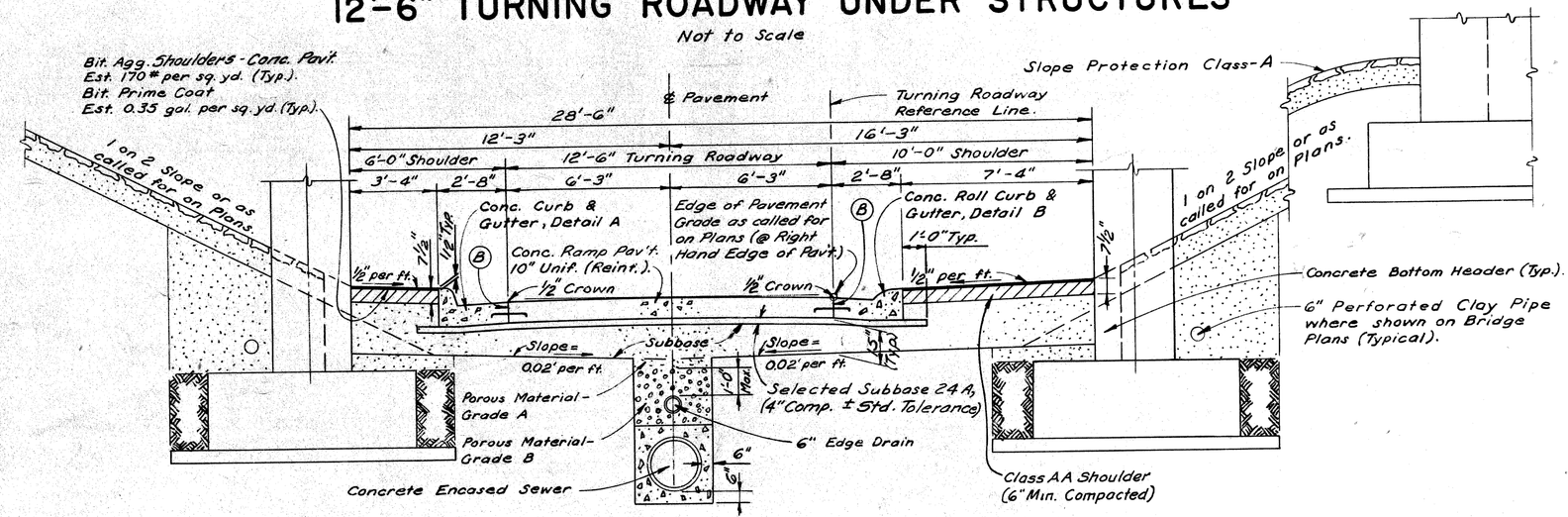
* NOTE: This Section is also normal grading Section when Rate of Superelevation equals zero.

SCALE: 1"=4'

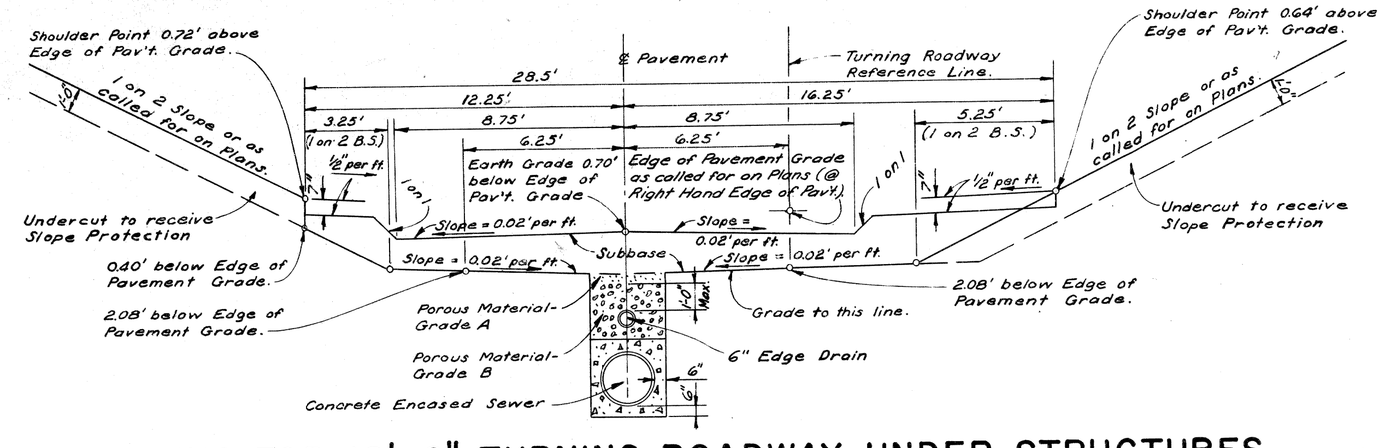


SUBBASE DRAINAGE PLAN FOR 12'-6" TURNING ROADWAY UNDER STRUCTURES

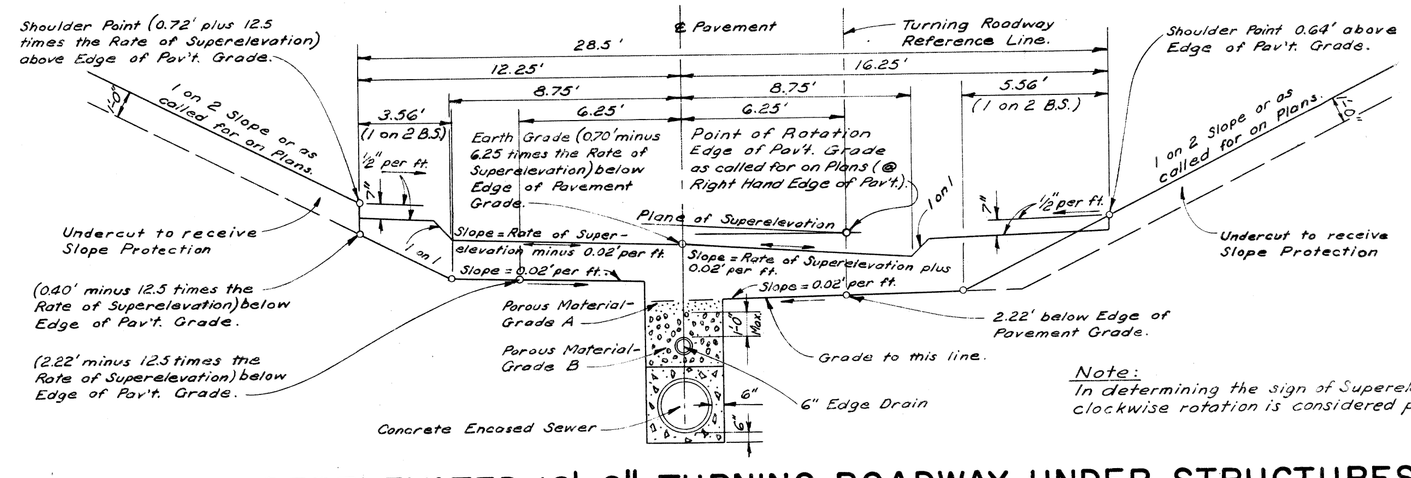
Not to Scale



FINISHED SECTION FOR 12'-6" TURNING ROADWAY UNDER STRUCTURES



GRADING FOR 12'-6" TURNING ROADWAY UNDER STRUCTURES



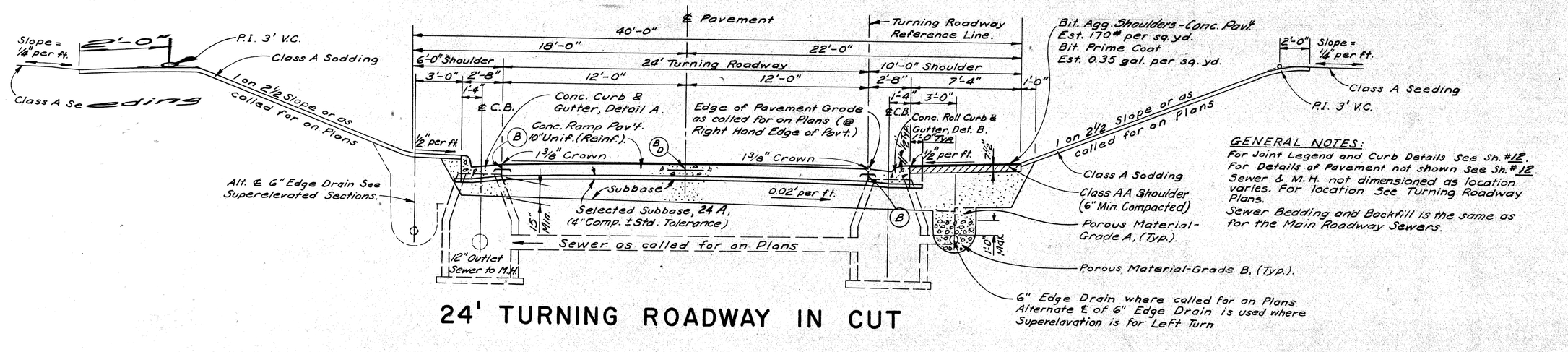
Note:
In determining the sign of Superelevation, clockwise rotation is considered positive.

GRADING FOR SUPERELEVATED 12'-6" TURNING ROADWAY UNDER STRUCTURES

FILE NO. 138, NO. 350 DTENGIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	10

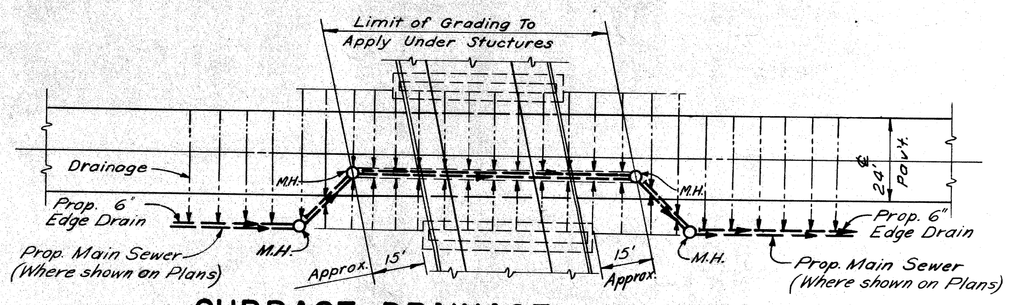
TYPICAL CROSS-SECTIONS

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75(82)53			
ROUTE	STATE PROJECT	DCUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	11	



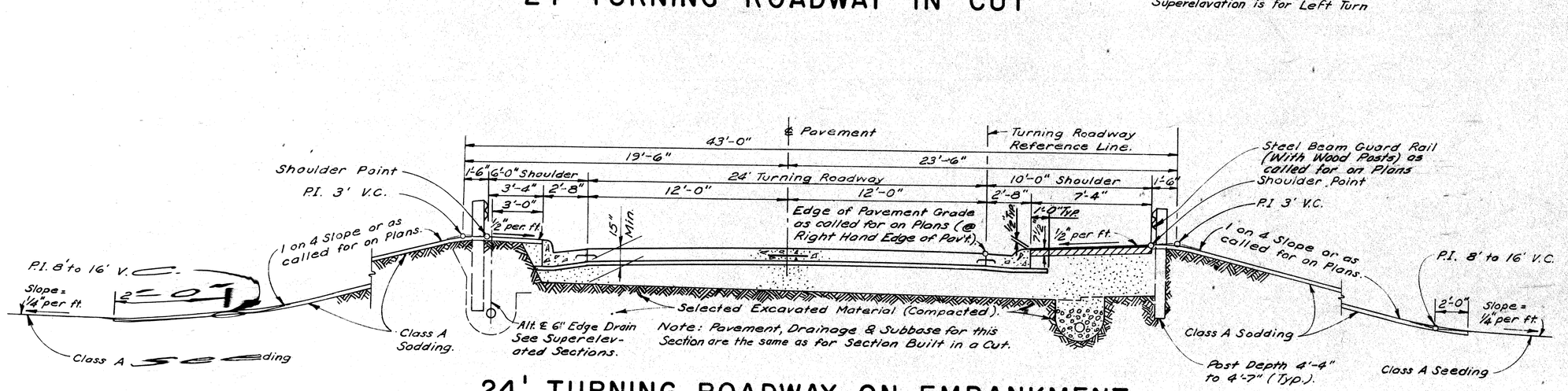
24' TURNING ROADWAY IN CUT

GENERAL NOTES:
For Joint Legend and Curb Details See Sh. #12.
For Details of Pavement not shown See Sh. #12.
Sewer & M.H. not dimensioned as location varies. For location See Turning Roadway Plans.
Sewer Bedding and Backfill is the same as for the Main Roadway Sewers.

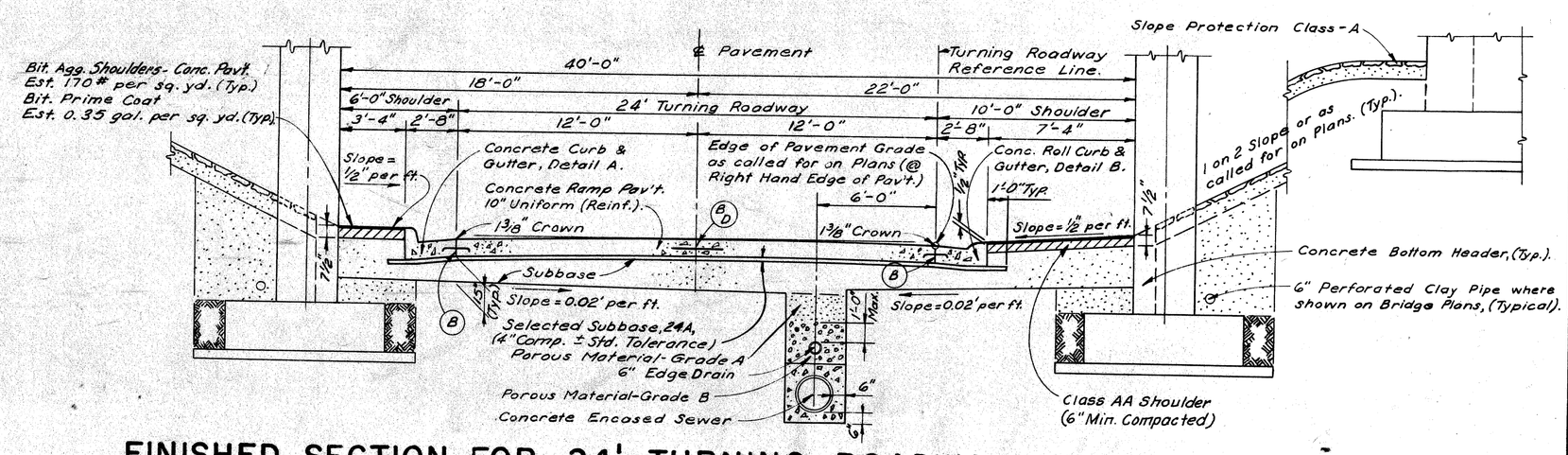


SUBBASE DRAINAGE PLAN FOR 24' TURNING ROADWAY UNDER STRUCTURES

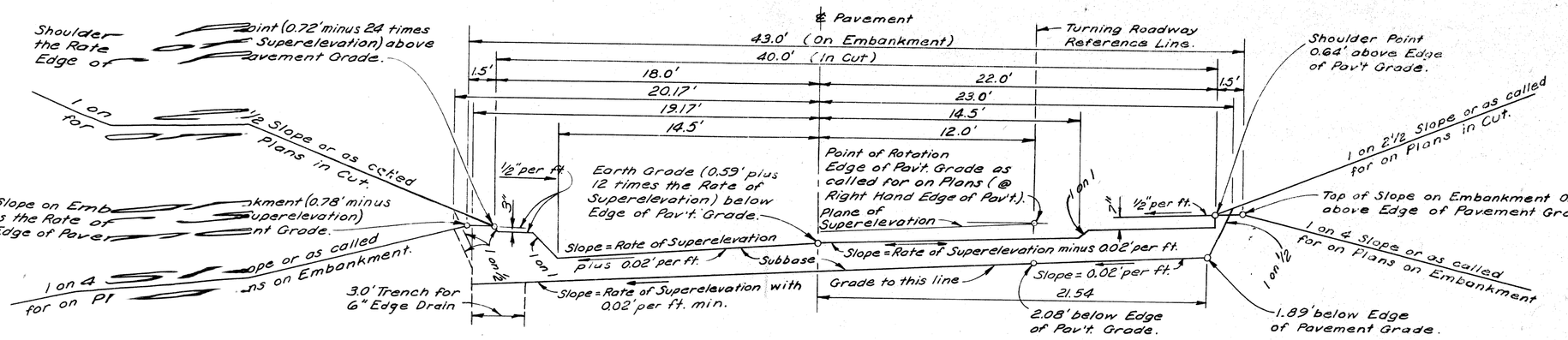
Not to Scale



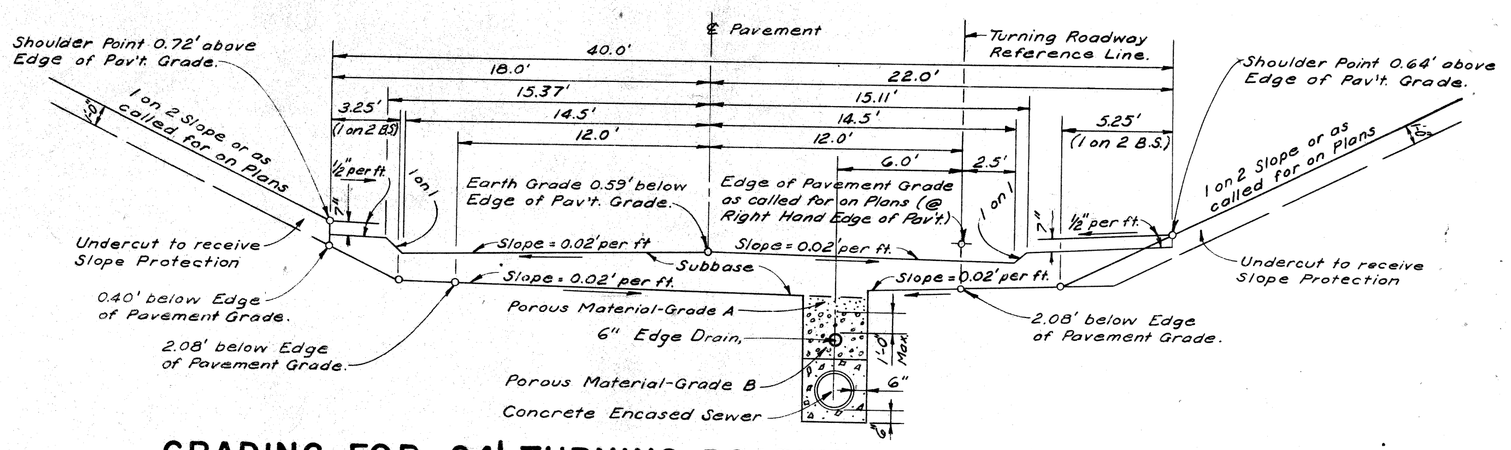
24' TURNING ROADWAY ON EMBANKMENT



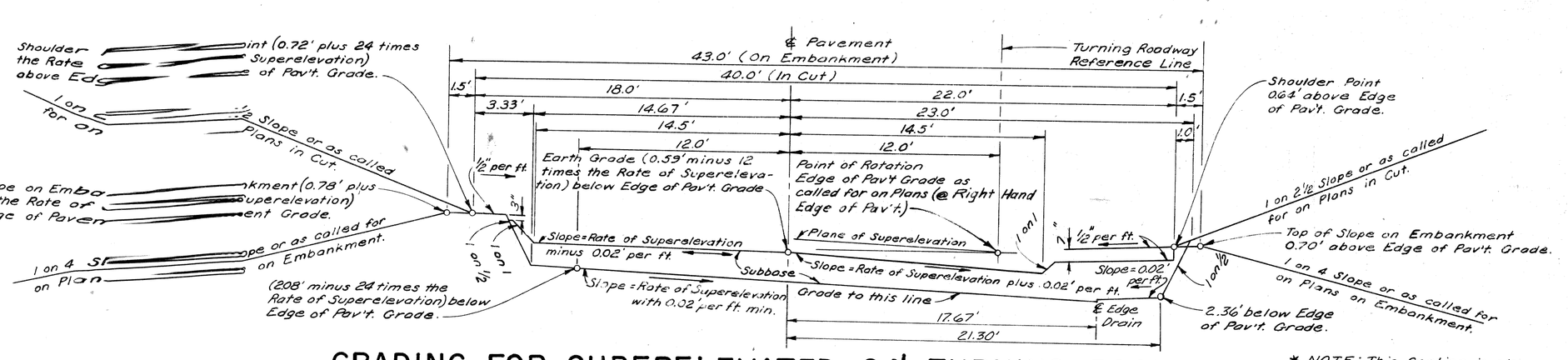
FINISHED SECTION FOR 24' TURNING ROADWAY UNDER STRUCTURES



GRADING FOR SUPERELEVATED 24' TURNING ROADWAY
(TURNING TO LEFT)

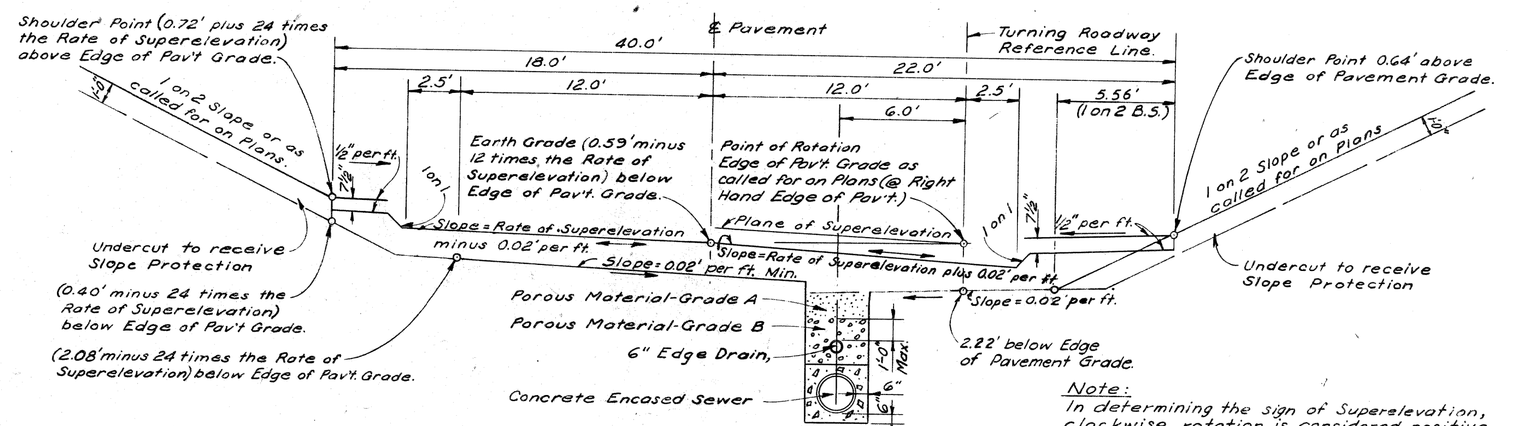


GRADING FOR 24' TURNING ROADWAY UNDER STRUCTURES



GRADING FOR SUPERELEVATED 24' TURNING ROADWAY
(TURNING TO RIGHT) *

* NOTE: This Section is also normal Grading Section when Rate of Superelevation equals Zero.



Note: In determining the sign of Superelevation, clockwise rotation is considered positive.

GRADING FOR SUPERELEVATED 24' TURNING ROADWAY UNDER STRUCTURES

SCALE: 1" = 5'

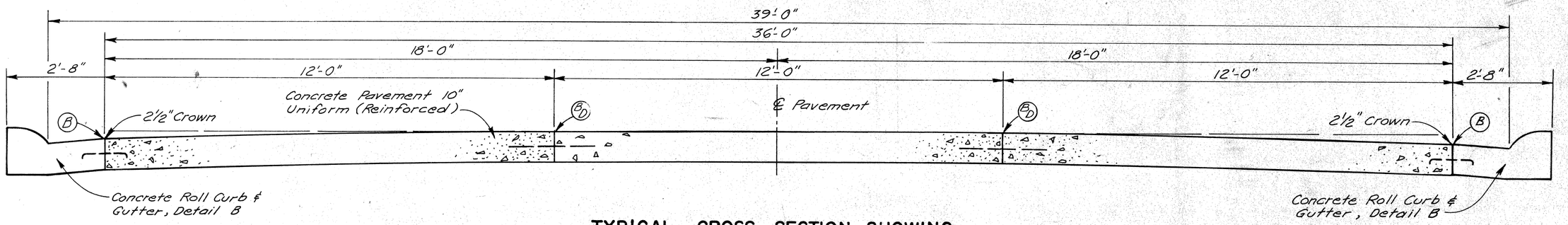
FILE NO. USE NO. 330 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	F-75-1(82)53	11

PREPARED BY THE LINES AND GRADES SECTION OF THE OFFICE OF PUBLIC INFORMATION OF THE DEPARTMENT OF ENGINEERS OF HIGHWAYS AND EXPRESSWAYS

TYPICAL CROSS-SECTIONS

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	12	

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



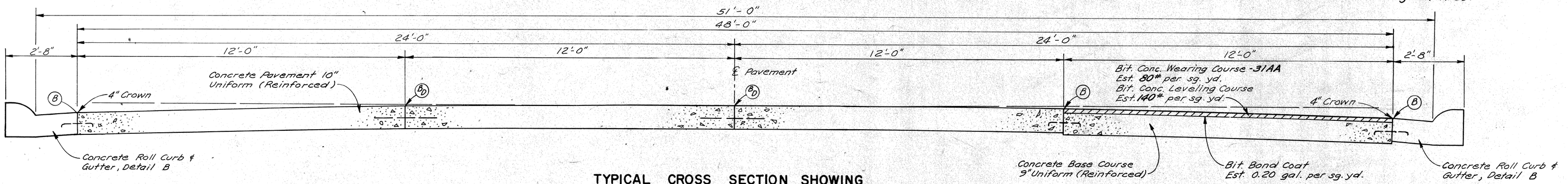
TYPICAL CROSS SECTION SHOWING
CONCRETE PAVEMENT 10" UNIFORM (REINFORCED)
36' CHRYSLER EXPRESS ROADWAY — SCALE: ½" = 1'

JOINT LEGEND

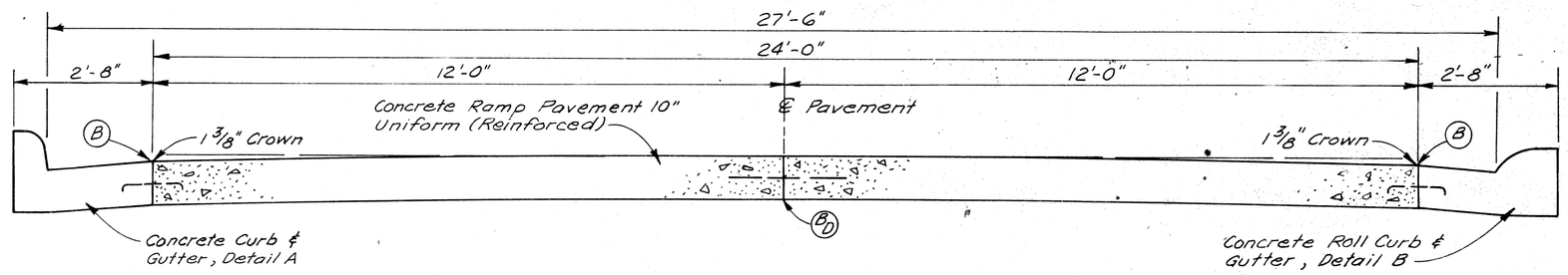
- B — Longitudinal Bulkhead Construction Joint according to M.S.H.D. Std. Plan E-4-A-33 H, Detail 2
- D — Longitudinal Lane Tie Joint with Tie Bars, according to M.S.H.D. Std. Plan E-4-A-33H, Detail 1
- BD — Optional B or D

NOTES: 1. The Concrete Base Course, Concrete Ramp Base Course, and Concrete Pavement shall be reinforced throughout in accordance with M.S.H.D. Std. Plan E-4-A-21F.

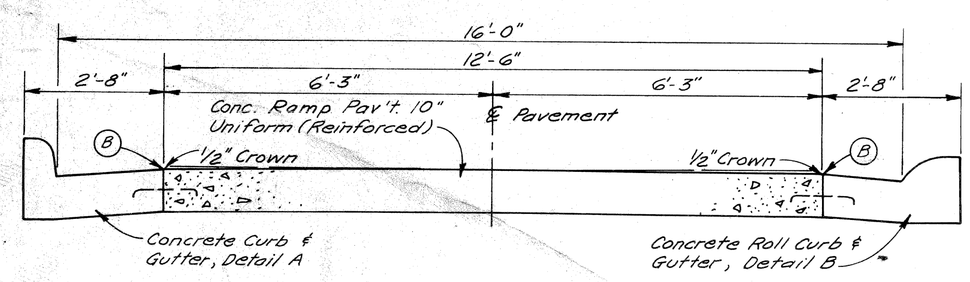
2. Concrete Curb, Detail C and Concrete Curb and Gutters, Detail A and B shall be in accordance with M.S.H.D. Std. Drawing E-4-A-29F.



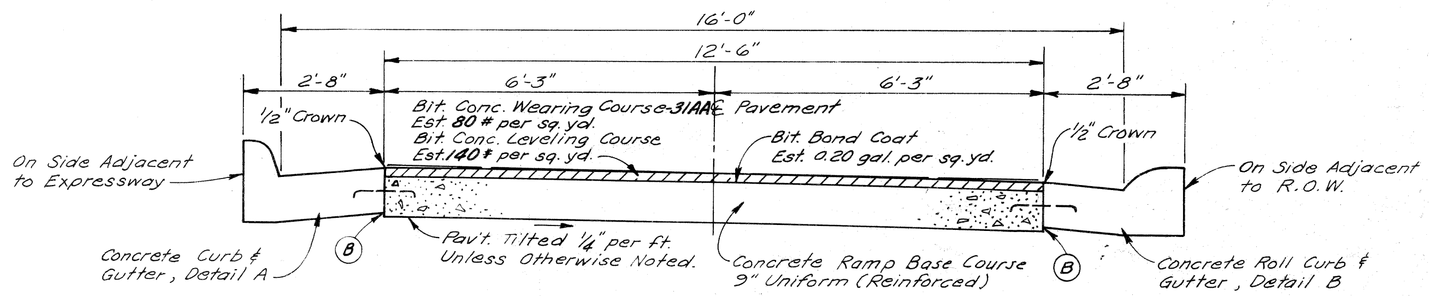
TYPICAL CROSS SECTION SHOWING
CONCRETE PAVEMENT 10" UNIFORM (REINFORCED)
48' CHRYSLER EXPRESS ROADWAY — SCALE: ½" = 1'



TYPICAL CROSS SECTION SHOWING
CONCRETE RAMP PAVEMENT 10" UNIFORM (REINFORCED)
24' TURNING ROADWAY — SCALE: ½" = 1'



TYPICAL CROSS SECTION SHOWING
CONCRETE RAMP PAVEMENT 10" UNIFORM (REINFORCED)
12.5' TURNING ROADWAY — SCALE: ½" = 1'



TYPICAL CROSS SECTION SHOWING
CONCRETE RAMP BASE COURSE 9" UNIFORM (REINFORCED)
WITH BITUMINOUS CONCRETE PAVEMENT
12.5' RAMP — SCALE: ½" = 1'

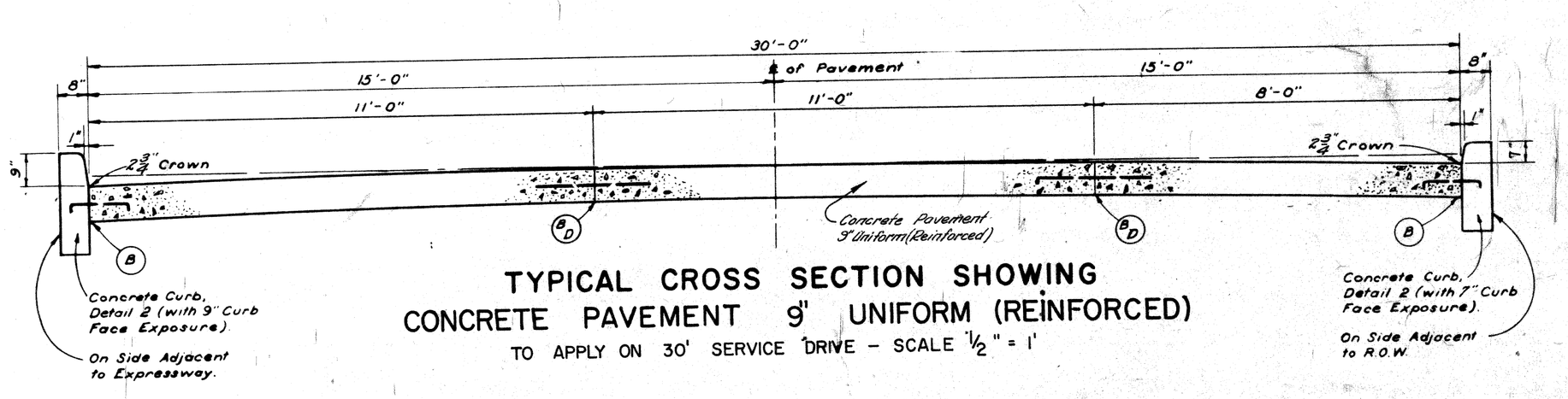
PLANS PREPARED BY
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
BUREAU OF HIGHWAYS AND EXPRESSWAYS

PAVEMENT SECTIONS

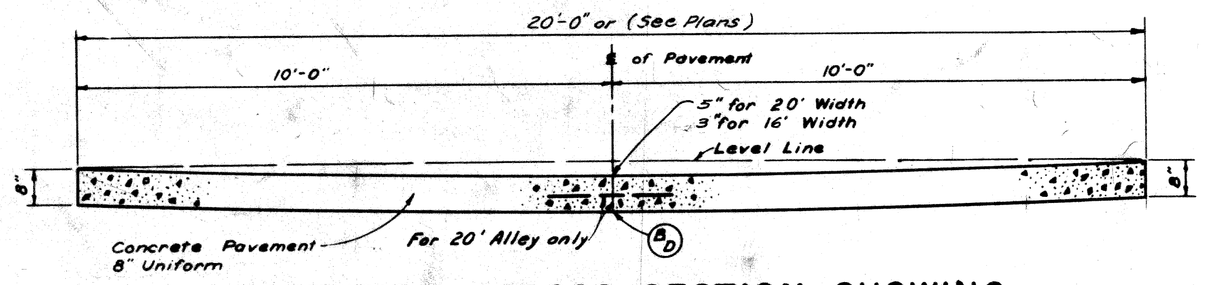
FILE NO. USE NO. 030 STENCIL	82251F C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	12

TYPICAL CROSS-SECTIONS

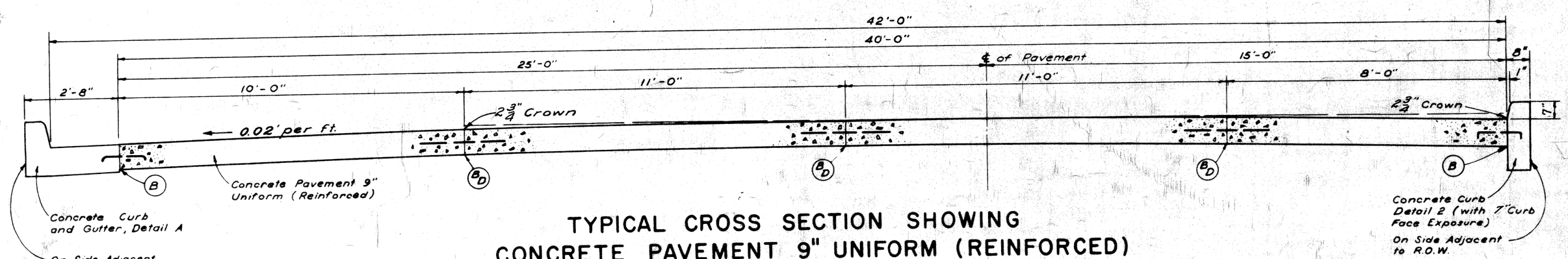
S. P. R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
14	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	13	



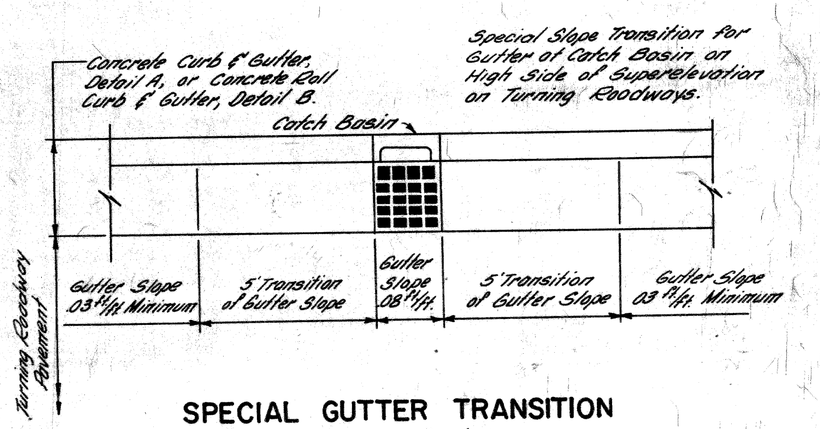
TYPICAL CROSS SECTION SHOWING
CONCRETE PAVEMENT 9" UNIFORM (REINFORCED)
TO APPLY ON 30' SERVICE DRIVE – SCALE ½" = 1'



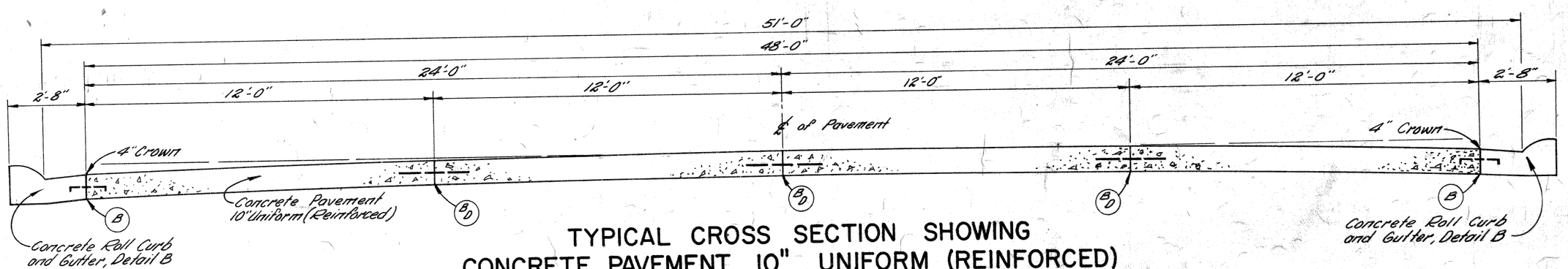
TYPICAL CROSS SECTION SHOWING
CONCRETE PAVEMENT 8" UNIFORM
TO APPLY ON ALLEYS WHERE CALLED FOR ON PLANS-SCALE ½"=1'



TYPICAL CROSS SECTION SHOWING
CONCRETE PAVEMENT 9" UNIFORM (REINFORCED)
TO APPLY ON 40' SERVICE DRIVE – SCALE ½" = 1'



SPECIAL GUTTER TRANSITION
SCALE: 1"= 3'



TYPICAL CROSS SECTION SHOWING
CONCRETE PAVEMENT 10" UNIFORM (REINFORCED)
TO APPLY ON 48' EXPRESS ROADWAY – SCALE ⅜" = 1'

NOTES:

1. For Superelevated Turning Roadways, the slope of the Gutter on the high side of the Superelevation shall equal .08 ft. per ft. minus the Rate of Superelevation (See Special Detail of Catch Basin)
2. For Joint Legend, See Sh.ᵉᵈ 12.
3. The Concrete Base Course, Concrete Ramp Base Course, and Concrete Pavement shall be reinforced throughout in accordance with M.S.H.D. Std. Plan E-4-A-21F.
4. Concrete Curb, Detail 2 and Concrete Curb and Gutters, Details A and B shall be in accordance with M.S.H.D. Standard Drawing E-4-A-29F

PAVEMENT SECTIONS

FILE NO. 1A8 1A9 1A10	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	13

FILED AND APPROVED BY
CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERING OFFICE
BUREAU OF HIGHWAYS AND EXPRESSWAYS

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-135 B and E-4-A-127 B.

TRANSVERSE PLANE OF WEAKNESS JOINTS IN CONCRETE BASE COURSE

Transverse plane of weakness joints shall be placed according to Standard Plan E-4-A-127 B.

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.

PUBLIC UTILITIES

The existing utilities listed below and shown on these plans represent the best information available as obtained on our surveys dated July, 1958. This information does not relieve the Contractor of the responsibility to satisfy himself as to their accuracy or of his responsibility in case utilities have been constructed or removed since the above survey date.

Type of Utility	Owner	
Water Mains	Dept. of Water Supply	Detroit
Sewers	Dept. of Public Works	Detroit
Lighting	Public Lighting Comm.	Detroit
Fire	Detroit Fire Dept.	Detroit
Police	Detroit Police Dept.	Detroit
Electric	Detroit Edison Co.	Detroit
Telephone	Mich. Bell Telephone Co.	Detroit
Gas	Mich. Consol'd. Gas Co.	Detroit

The owners of existing poles and other service structures that are within grading limits and that will interfere with construction operations will move them to locations designated by the Engineer or will remove them entirely from the highway right-of-way.

Owners of public utilities will not be required by the Department to move additional poles and structures that are not within grading or structure limits in order to facilitate the operation of construction equipment, unless it is determined by the Engineer that such pole line or structures constitute a hazard to the public or are extraordinarily dangerous to the Contractor's operations.

GENERAL PLAN NOTES

POLES

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

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.

FINE GRADING AND CLEANUP

	Control Section I-75-82251F-C 41 Sta.	Control Section I-75-82252A-C3 Sta.
EXPRESSWAYS		
Northbound Chrysler		
Sta. 166+50 to Sta. 173+00	~~0 6.50~~	-
Sta. 173+00 to Sta. 205+60	-	~~0 32.60~~
Southbound Chrysler		
Sta. 166+50 to Sta. 173+00	~~0 6.50~~	-
Sta. 173+00 to Sta. 205+60	-	~~0 32.60~~
TURNING ROADWAYS		
Eastbound to Northbound		
Sta. 25+00 to Sta. 29+39.88	~~0 4.40~~	-
Southbound to Eastbound and Westbound		
Sta. 15+48.19 to Sta. 23+51	-	~~0 8.05~~
Sta. 23+51 to Sta. 27+84.80	~~0 4.34~~	-
Southbound to Westbound		
Sta. 27+84.80 to Sta. 31+50	~~0 3.65~~	-
Westbound to Northbound		
Sta. 7+70 to Sta. 13+68	~~0 5.98~~	-
Sta. 13+68 to Sta. 20+77.53	-	~~0 7.10~~
RAMPS		
Clay Exit Ramp		
Sta. 194+89.60 to Sta. 199+49.76	-	~~0 4.80~~
Clay Entrance Ramp		
Sta. 195+59.97 to Sta. 200+99.28	-	~~0 5.39~~
SERVICE DRIVES		
Rivard at Harper	~~0 1.03~~	-
East Service Drive		
Sta. 191+64 to Sta. 205+20	-	~~2.72~~ 13.56
West Service Drive		
Sta. 191+50 to Sta. 205+20	-	13.70
DETOURS		
Milwaukee		
Sta. 0+37.97 to Sta. 5+59.51	-	5.22
Clay Eastbound	-	3.01
Clay Westbound	-	2.98
TOTAL	~~0 32.40~~ Rec. #21	27.63 ~~128.79~~

The following items are estimated for the entire project to correct possible unstable subgrade conditions where designated by the Engineer.

		Control Section I-75-82251F-C 41		Control Section I-75-82252A-C3	
Subgrade Undercutting & Waste	Rec. 19	~~0 332~~	Cu. Yds.	~~0 1660~~	Cu. Yds.
6" Bank Drains	Rec. 21	~~0 234~~	Lin. Ft.	~~0 766~~	Lin. Ft.
6" Sewers (6' Deep or less) for Bank Drains	Rec. 21	~~0 50~~	Lin. Ft.	~~0 150~~	Lin. Ft.
Excavation (Waste from Bank Drain Sewer Trenches)	Rec. 21	~~0 150~~	Cu. Yds.	~~0 490~~	Cu. Yds.
Porous Material-Grade A (Compacted in Place) (For Subgrade Undercutting and Bank Drain Sewer Trenches)	Rec. 21	~~0 451~~	Cu. Yds.	~~0 2057~~	Cu. Yds.
Porous Material-Grade B (Compacted in Place) (For Bank Drain Sewer Trenches)	Rec. 21	~~0 31~~	Cu. Yds.	~~0 101~~	Cu. Yds.
Granular Blanket	Rec. 19	~~0 234~~	Cu. Yds.	~~0 766~~	Cu. Yds.

Note: Required

		Control Section I-75-82251F-C 41		Control Section I-75-82252A-C3	
Class "A" Seeding	Rec. 21	~~0 1.7~~	Acres	~~0 1.5~~	Acres
Rye Seeding	Rec. 21	~~0 0.9~~	Acres	~~0 1.5~~	Acres
Water, 1000 Gallon Units	Rec. 21	~~0 50.0~~	Units	~~0 200.0~~	Units
Calcium Chloride Applied	Rec. 21	~~0 17.0~~	Tons	~~0 66.0~~	Tons
Mulching	Rec. 21	~~0 1.2~~	Tons	-	Tons
Chemical Fertilizer	Rec. 21	~~0 1054.0~~	Pounds	~~0 930.0~~	Pounds
Maintaining Traffic		Lump Sum		Lump Sum	

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75(82)53			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	14	

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

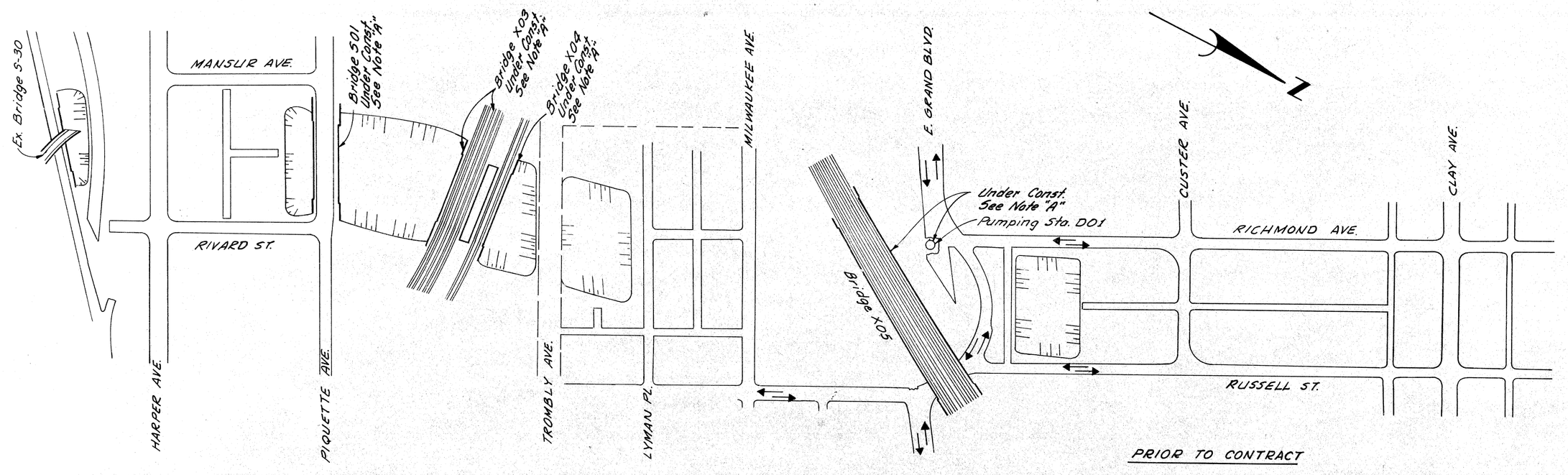
NOTES APPLYING TO STANDARD PLANS

Where the following items are called for on plans, they are to be constructed according to the Standard Plan given below opposite each unless otherwise indicated.

Edge Drain	E-4-A- 9F, Detail 5
Bank Drains	E-4 A- 9F, Detail 4
Sodding	E-4-A- 10D
Granular Blanket	E-4-A-10D, Detail 2
Pavement Reinforcement	E-4-A-21F
Grading Cross-Sections	E-4-A-26D
Manholes, Catch Basins and Inlets	E-4-A-27R-4
Cover A	E-4-A-27A-3
Cover D	E-4-A-27D-3
Cover E	E-4-A-27E-3
Cover H	E-4-A-27H
Cover J	E-4-A-27J
Cover M	E-4-A-27M
Concrete Curb, Roll Curb and Curb and Gutter	E-4-A-29F
Curb and Gutter Headers	E-4-A-29F, Detail 9
Driveway Returns and Driveway Openings	E-4-A-29F
Conc. Nose Detail for Urban Freeways	E-4-A-145
Concrete End Header (At pavement ends)	E-4-A-29F, Detail 20
Bridge Header	E-4-A-29F, Detail 21
Pavement Joints	E-4-A-33H (Except that plain tie bars will not be permitted)
Superelevation of Curves	E-4-A-498-7 (Except that the rate of superelevation is to be called for on plans)
Pavement Crowns	E-4-A-498-7 (Except that the crowns for surface roadways are to be called for on plans)
Road Project Markers	E-4-A-77D
4" Concrete Sidewalk	E-4-A-110B, Detail 2
7" Concrete Sidewalk	E-4-A-110B, Detail 3
Typical Joint Layout	E-4-A-127B (Except that the joint spacing shall be called for in the supplemental specs.)
Tile Trap	E-4-A-129
Dowel Bar Installation for Load Transfer at Transverse Contraction and Expansion Joints	E-4-A-130E
Base Plates for Transverse Pavement Joints	E-4-A-138 (Except that spot welds may be substituted for rivets to attach the I" angle)
Location of Transverse Expansion and Contraction Joints in Concrete Pavement	E-4-A-135B (Except that the joint spacing shall be called for in the supplemental specs.)
Barricade and Project Sign	E-6-A-55E
Steel Beam Guard Rail Double Steel Beam Guard Rail	E-4-A-137E } Except that only wood E-4-A-140B } posts will be permitted
Construction Identification Sign	E-6-I-60

NOTES & SPECIAL PROVISIONS

FILE NO. USE NO. 350 STENCIL	8225IF-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	F-75-(82)53	14



PRIOR TO CONTRACT

LEGEND FOR ALL STAGES

- Proposed Permanent Pavement
- Temporary Pav't.-8" Uniform Conc.
- Proposed Resurfacing
- Proposed Pav't.-Not a part of this Cont.
- S-40 Barricade
- Standard Barricade
- Temp. Steel Beam Guard Rail
- Temp. Steel Sheeting
- Traffic
- Local Traffic Only
- Two Level Flasher

NOTES FOR ALL STAGES

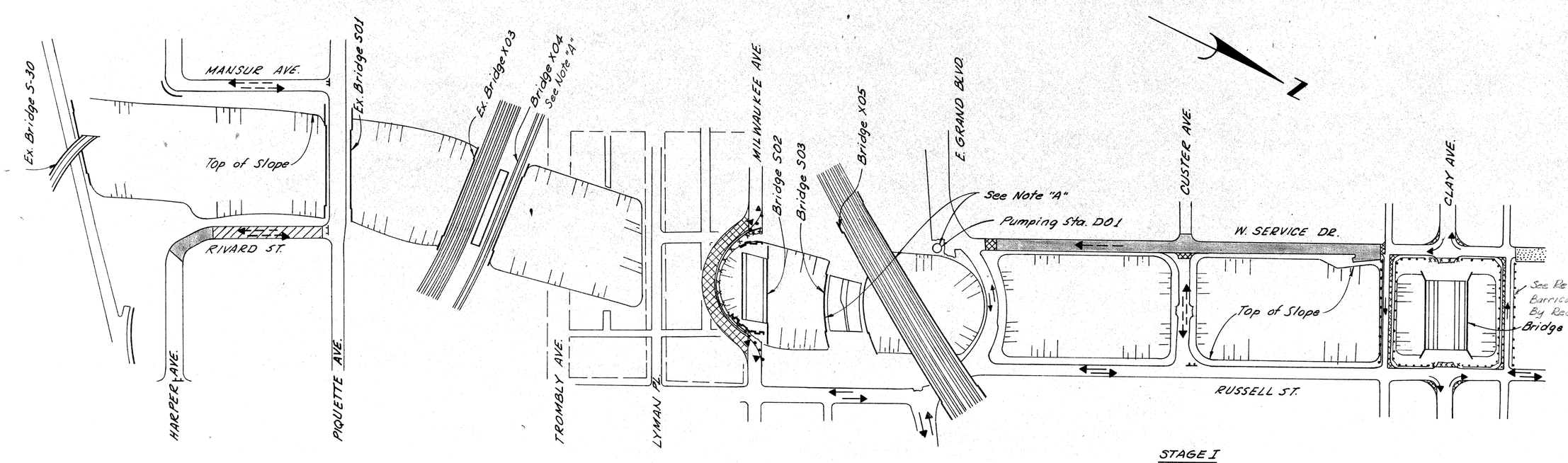
A. These Structures are not a part of this Contract.

B. ~~Protective Fence is incidental to Earth Excavation.~~
82251 FC41 Protective Fence 75 Lin'ds } AUTH #
82252 AC3 Protective Fence 250 Lin'ds } 3-31-65
C-3 Protective Fence ----252 rods (Addendum 1)
C-41 Protective Fence ----118.5 rods (Addendum 1)

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	15	

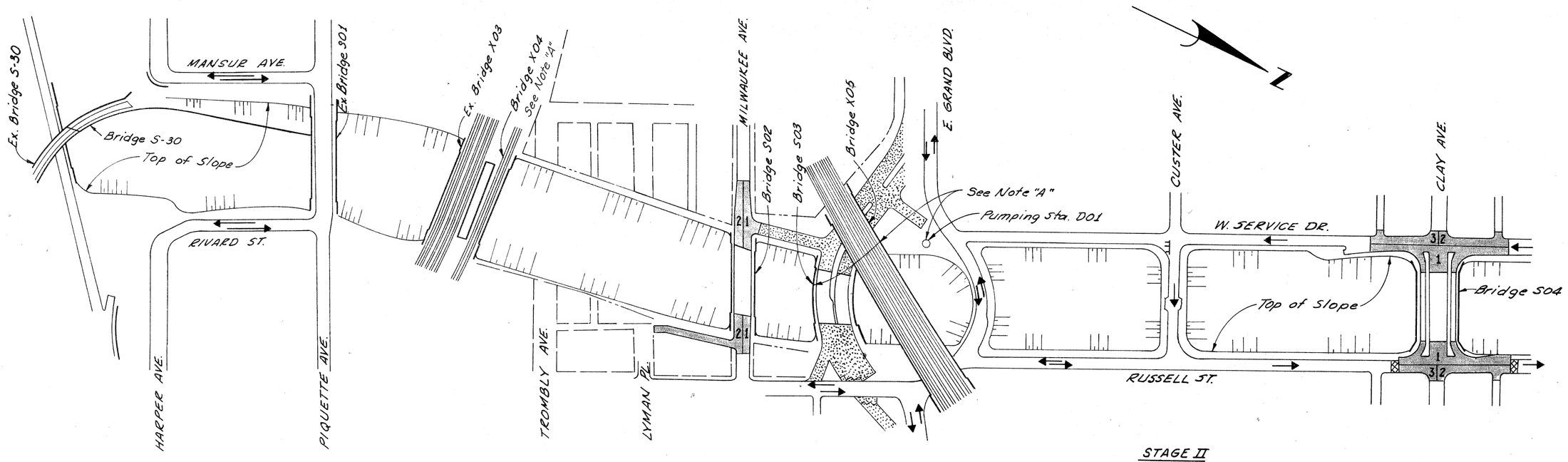
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

AUTH # 3-31-65 4-7-65



STAGE I

1. Construct the Milwaukee and Clay Avenue Detours and open both to traffic.
2. Excavate for Expressway except for plugs required to maintain traffic and for utilities.
3. Construct the Milwaukee Avenue Bridge. S-02.
4. Construct the Clay Avenue Sewer Reroute.
5. Construct the Clay Avenue Bridge S-04.
6. Construct the portion of West Service Drive using part width construction to maintain local traffic.
7. Construct the Intersections at Mansur and Harper, and Rivard and Harper. Resurface Rivard from Harper to Piquette.
8. The following work is NOT A PART OF THIS CONTRACT. (but is scheduled for completion during this stage)
   a. Construct the West Service Drive from alley North of Clay to Holbrook.



STAGE II

1. Place Southbound Russell St. traffic between Owen and Custer on the West Service Drive.
2. Construct the approaches to the Clay and Milwaukee Bridges using part width construction to maintain traffic.
3. Excavate for Expressway retaining only the plug at the East Grand Blvd. Detour and at Custer.
4. Complete the Southbound to Eastbound Turning Roadway Bridge S-30 and the accompanying retaining walls.
5. The following work is NOT A PART OF THIS CONTRACT. (but is scheduled for completion during this stage)
   a. Complete the East Grand Blvd. Bridge S-03
   b. Complete the Railroad Bridge X-05
   c. Complete the Pumping Station D-01
   d. Construct a portion of East Grand Blvd.

J.V. WICKEY 1-65
F. CALTABIANO 1-65
J.V. WICKEY 1-65
Allen E. Paquin 1-65

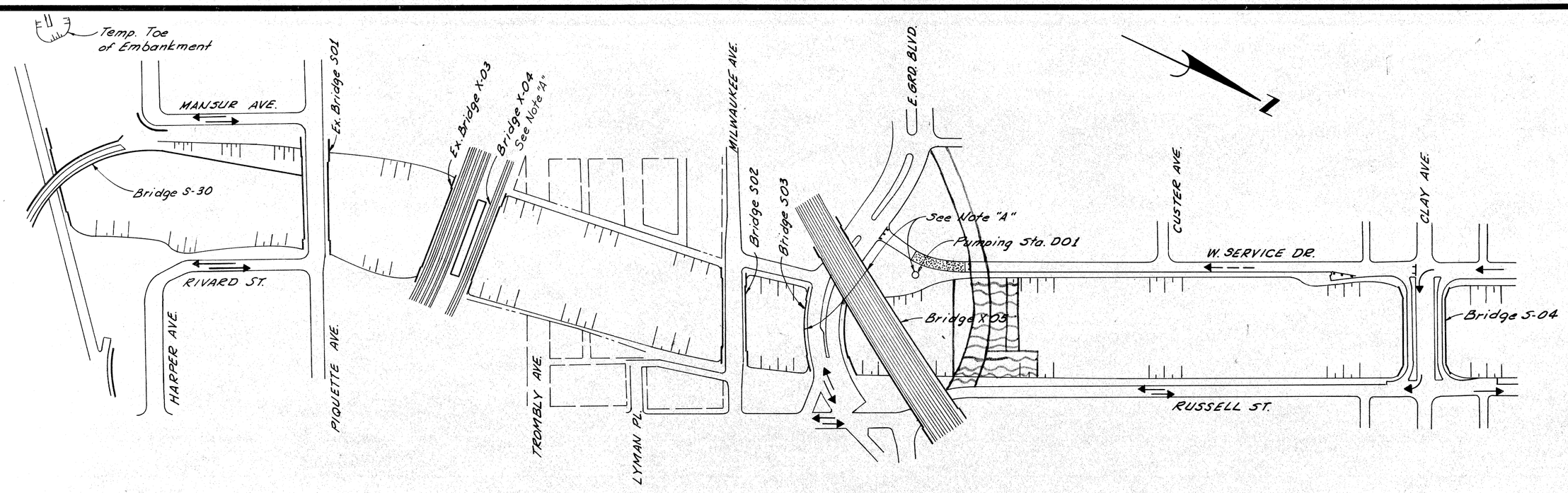
AUTH # 3-31-65 4-7-65

CONSTRUCTION SEQUENCE

FILE NO. & NO. TO BE STENCIL	82251 F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	15

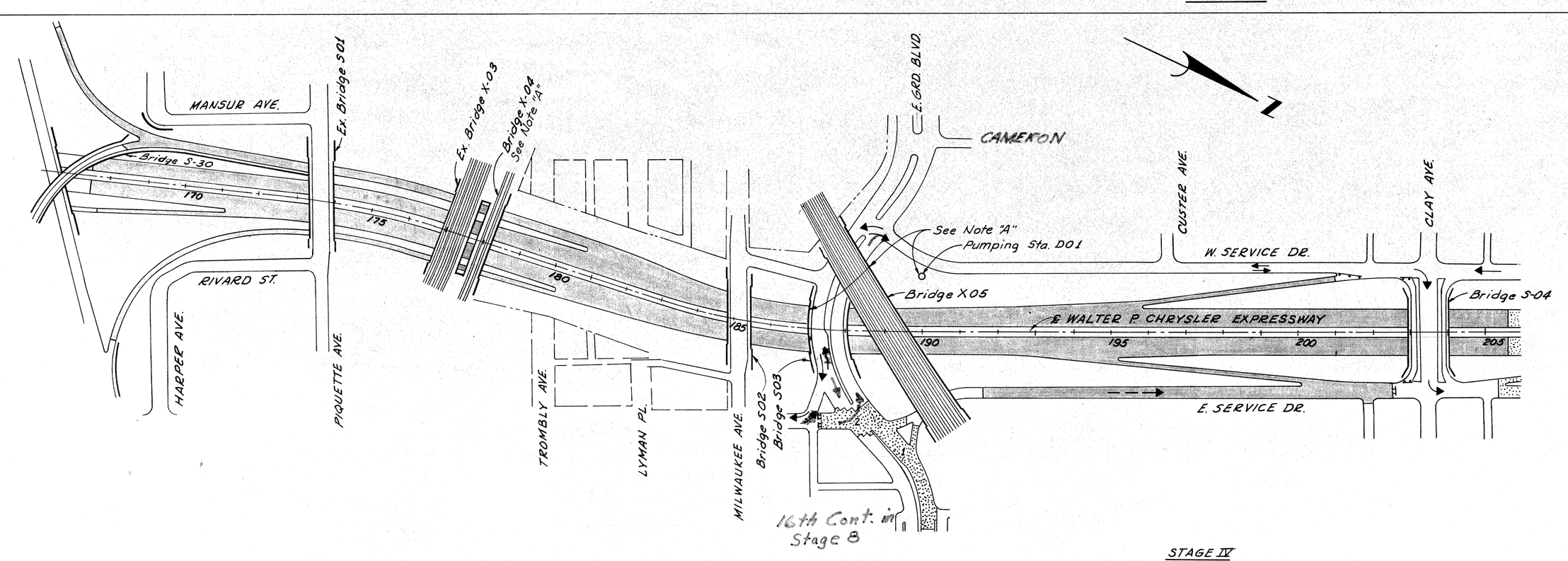
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	16	

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



STAGE III

1. Place Southbound Russell St. traffic between Owen and Clay on the West Service Drive.
2. Excavate for the Expressway at the East Grand Blvd. Detour and at Custer.
3. The following work is NOT A PART OF THIS CONTRACT. (but is scheduled for completion during this stage)
   a. Complete the West Service Drive near East Grand Blvd.



STAGE IV

1. Place Russell Street traffic on West Service Drive between East Grand Blvd. and Clay.
2. Construct the East Service Drive using part width construction to maintain local traffic.
3. Complete any remaining excavations and/or embankments and surface the Expressway.
4. The following work is NOT A PART OF THIS CONTRACT. (but is scheduled for completion during this Stage)
   a. Complete construction of East Grand Blvd. and Russell interseation.
   b. Construct the East Service Drive North of Clay to Holbrook.
   c. Paving of Expressway from Clay to Holbrook.

J.V. WICKEY 1-65
F. DeCHABRAND 1-65
J.V. WICKEY 1-65
Allen E. Hagen 1-65

LEGEND FOR ALL STAGES

- Proposed Permanent Pavement
- Temporary Pav't.-8" Uniform Conc.
- Proposed Resurfacing
- Proposed Pav't.-Not a part of this Cont.
- S-40 Barricade
- Standard Barricade
- Traffic
- Local Traffic Only

(Rev. by Rec #2) 12-7-65
(Rev. by Rec #2 & #3) 4-7-66

NOTES FOR ALL STAGES

A. These Structures are not a part of this Contract 9-7-65
B. Protective Fence is incidental to Earth Excavation.

(Rev. by Rev #2)

Items Required To Maintain Traffic During Construction Which Have Not Been Billed On Other Sheets Are Listed As Follows.

ITEM	Unit	Control Section 82251 FC41 Furnish & Install	Install Auth.	Relocate	Remove	Control Section 82252A-C3 Furnish & Install	Install Auth.	Relocate	Remove
		Rec. 14	Rec. 14	Rec. 14	Rec. 14	~~900~~		~~1200~~	~~800~~
Timber Curb & Snow Fence	Lin.Ft.	~~100~~ 0	–	~~100~~ 0	~~100~~ 0	~~100~~ 0	–	~~100~~ 0	~~100~~ 0
Standard Barricade	Each	–	~~14~~ 0	–	~~14~~ 0	–	6 8	0 2	0 8
S-40 Barricade	Lin.Ft.	–	–	–	–	~~2225~~ 2225	Auth. 1028, 1029 ~~500~~ 500	~~2225~~ 1000	~~2225~~ 600
				Auth. 1028, 1029 287 –			50 –		62
Temp. Steel Beam Guard Rail				– (Rec. 5 & 37) 1690 5		~~1115~~		~~575~~	Lin. Ft.
Temp. Concrete Sidewalk				– (Rec. 37)		748		~~1146~~	Sq. Ft.
Patching Pav't. with Bit. Material				– (Rec. 37)		33.5		~~16~~	Tons
Splash Boards *				–		16		~~80~~	Lin. Ft.

Auth. # 1028 1029

*As directed by the Engineer

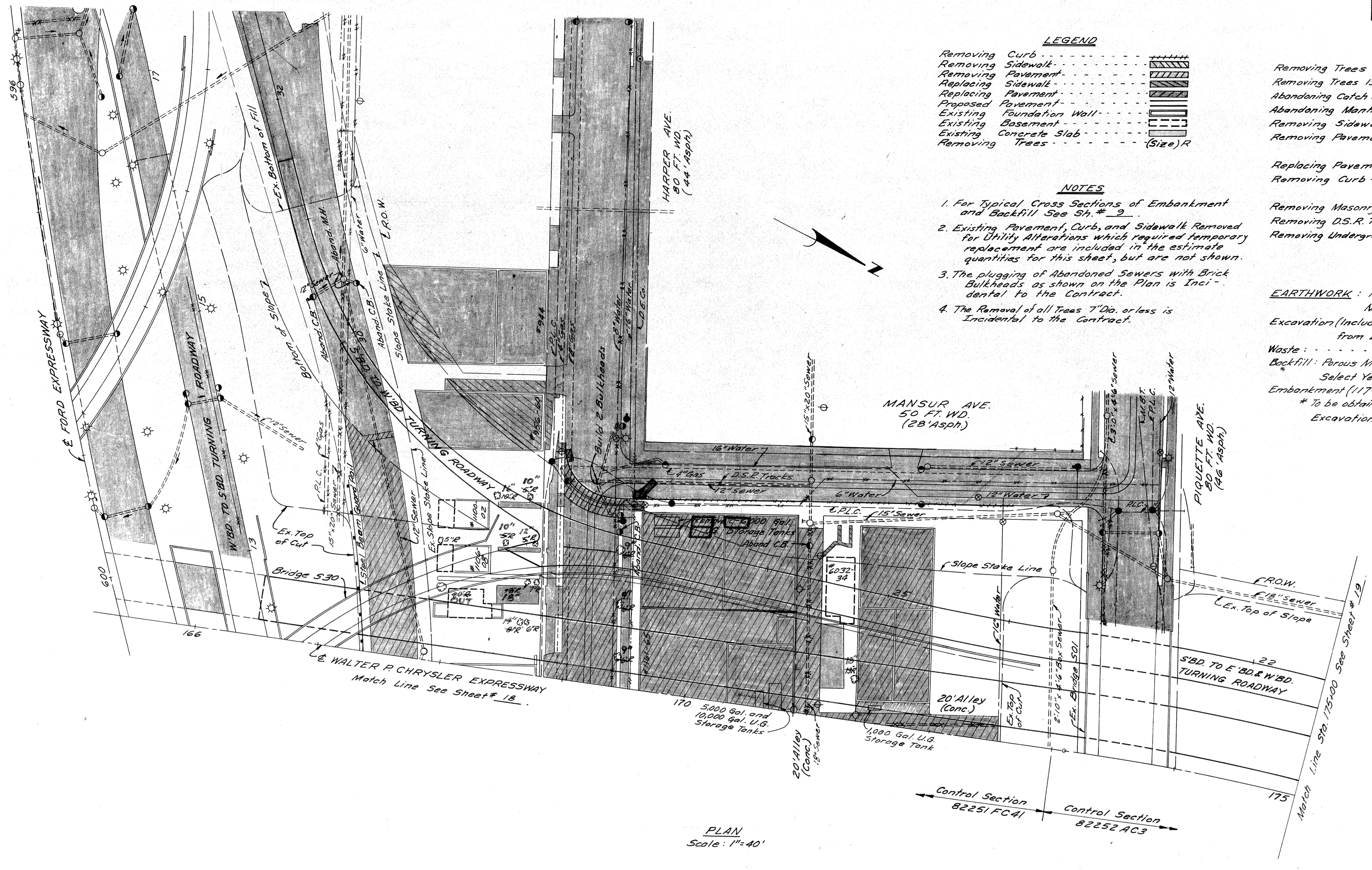
CONSTRUCTION SEQUENCE

FILE NO. USE NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	16

B. P. R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75-1(82)S3			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	17	

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

All work this sheet
Control Section 82251 FC 41



PLAN
Scale: 1"=40'

LEGEND

Removing	Curb
Removing	Sidewalk
Removing	Pavement
Replacing	Sidewalk
Replacing	Pavement
Proposed	Pavement
Existing	Foundation Wall
Existing	Basement
Existing	Concrete Slab
Removing	Trees (Size) R

NOTES

1. For Typical Cross Sections of Embankment and Backfill See Sh. # 9.
2. Existing Pavement, Curb, and Sidewalk Removed for Utility Alterations which required temporary replacement are included in the estimate quantities for this sheet, but are not shown.
3. The plugging of Abandoned Sewers with Brick Bulkheads as shown on the Plan is Incidental to the Contract.
4. The Removal of all Trees 7" Dia. or less is Incidental to the Contract.

QUANTITIES

Removing Trees 8"-12". Auth. 1036	~~6~~ 3 Each F
Removing Trees 13"-24". Auth. 1036	~~5~~ 2 Each F
Abandoning Catch Basins	4 Each F
Abandoning Manholes	1 Each F
Removing Sidewalk - Rec. 21	~~231~~ 534 Sq. Yd. F
Removing Pavement Auth. 1036 Rec. 18	~~4705~~ 5103 Sq. Yd. F
Replacing Pavement Auth. 1036	~~40~~ 44 Sq. Yd. F
Removing Curb - Auth. 1036	~~214~~ 232 Lin. Ft. F
Removing Masonry & Concrete Auth. 1034	~~14~~ 46 Cu. Yd. F
Removing D.S.R. Track Strip Auth. 1034	~~110~~ 110 Sq. Yd. F
Removing Underground Storage Tanks Auth. 1034	~~5~~ 2 Each F

EARTHWORK: For Basements and Abandoned Miscellaneous Structures:

Excavation (Including Removal of Debris from Basements)	60 Cu. Yds.
Waste	60 Cu. Yd.
Backfill: Porous Material Grade A (C.I.P.)	3 Cu. Yds. F
Select Yellow Clay (C.I.P.) *	187 Cu. Yds. F
Embankment (117+25%) *	146 Cu. Yd.

* To be obtained from Roadway Excavation Sheet # 31.

J.V. WICKEY 1-65
J. KNOX 1-65
C. LEHTO 1-65
Allen E. Knapp

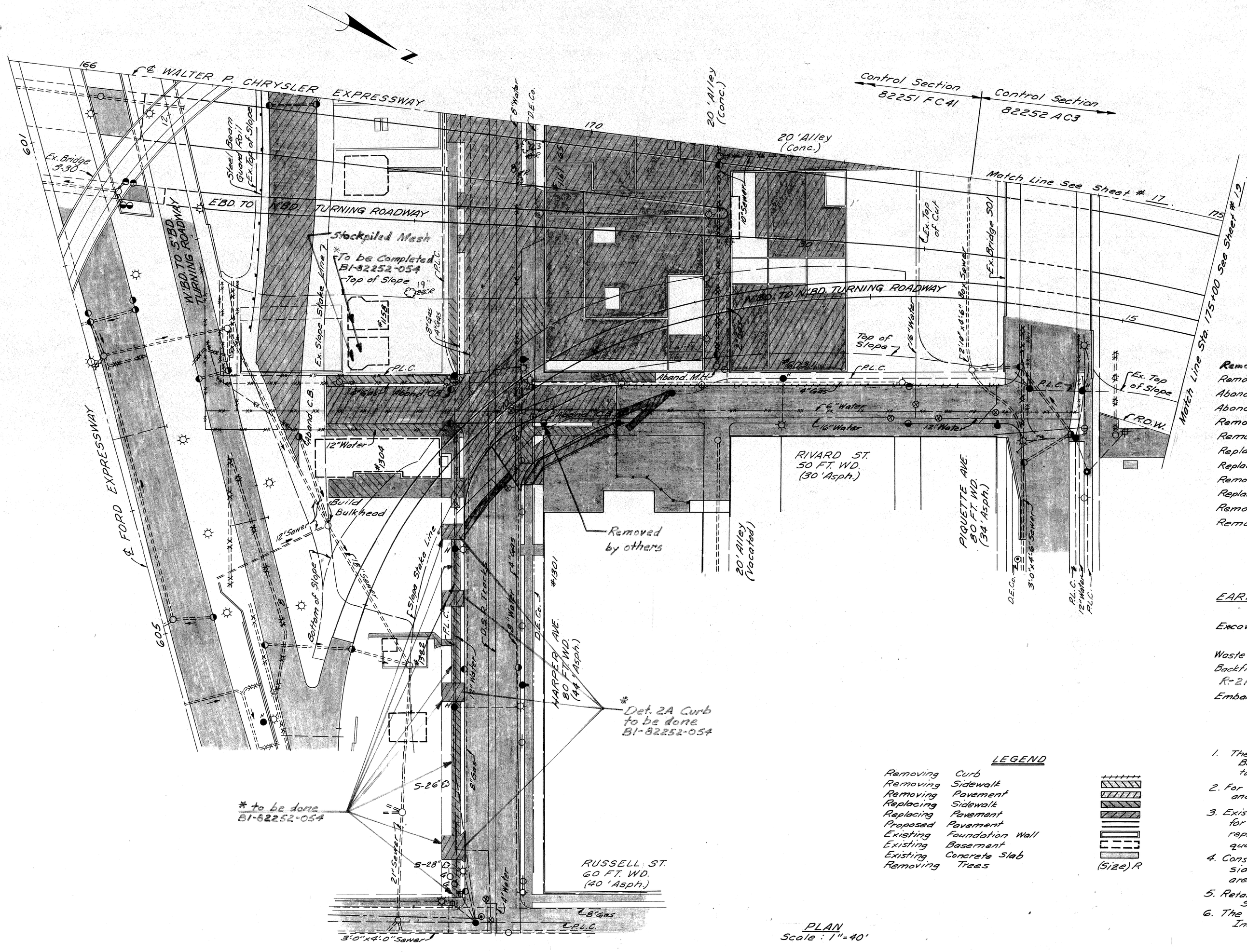
REMOVAL ITEMS
WEST OF CHRYSLER EXPRESSWAY
FROM FORD EXPRESSWAY TO STA. 175+00

FILE NO. 1 SE NO. 330 STENCIL	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
82251 F-C 41	82251	F-75-1(82)S3	17

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	18	

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

All work this sheet
Control Section 82251 FC41



PLAN
Scale: 1"=40'

LEGEND

Removing	Curb
Removing	Sidewalk
Removing	Pavement
Replacing	Sidewalk
Replacing	Pavement
Proposed	Pavement
Existing	Foundation Wall
Existing	Basement
Existing	Concrete Slab
Removing	Trees

(Size) R

QUANTITIES

Removing Trees 8"-12" Auth. 1036		1	Each F
Removing Trees 13"-24" Auth. 1036		2	Each F
Abandoning Catch Basins Rec. 21		2~~3~~	Each F
Abandoning Manholes		1	Each F
Removing Sidewalk Rec. 21	*424	~~668~~	Sq. Yd.
Removing Pavement Auth. 1036	*705?	~~1320~~	Sq. Yd.
Replacing Sidewalk (4" Concrete) Rec. 21	0	~~40~~	Sq. Ft. F
Replacing Pavement Auth. 1036		7~~7~~	Sq. Yd. F
Removing Curb Auth. 1036	275	~~229~~	Lin. Ft. F
Replacing Curb (Detail 2A) Rec. 21	* 0	~~71~~	Lin. Ft.
Removing Masonry & Concrete Auth. 1036	72	~~71~~	Cu. Yd. F
Removing O.S.R. Track Strip Auth. 1036 # 239		~~238~~	Sq. Yd. F

EARTHWORK: For "Basements and Abandoned Miscellaneous Structures:

Excavation (Including Removal of Debris from Basements)	Sec. 71.	~~866~~ Cu. Yd.
Waste:	Sec. 71.	~~866~~ Cu. Yd.
Backfill: Porous Material Grade A (C.I.P.)		~~103~~ Cu. Yd.
R-21 Select Yellow Clay (C.I.P.) *	Sec. 71.	~~937~~ Cu. Yd.
Embankment (9% + 25%) *		118 Cu. Yd.

* To be obtained from Roadway Excavation Sheet # 31.

NOTES

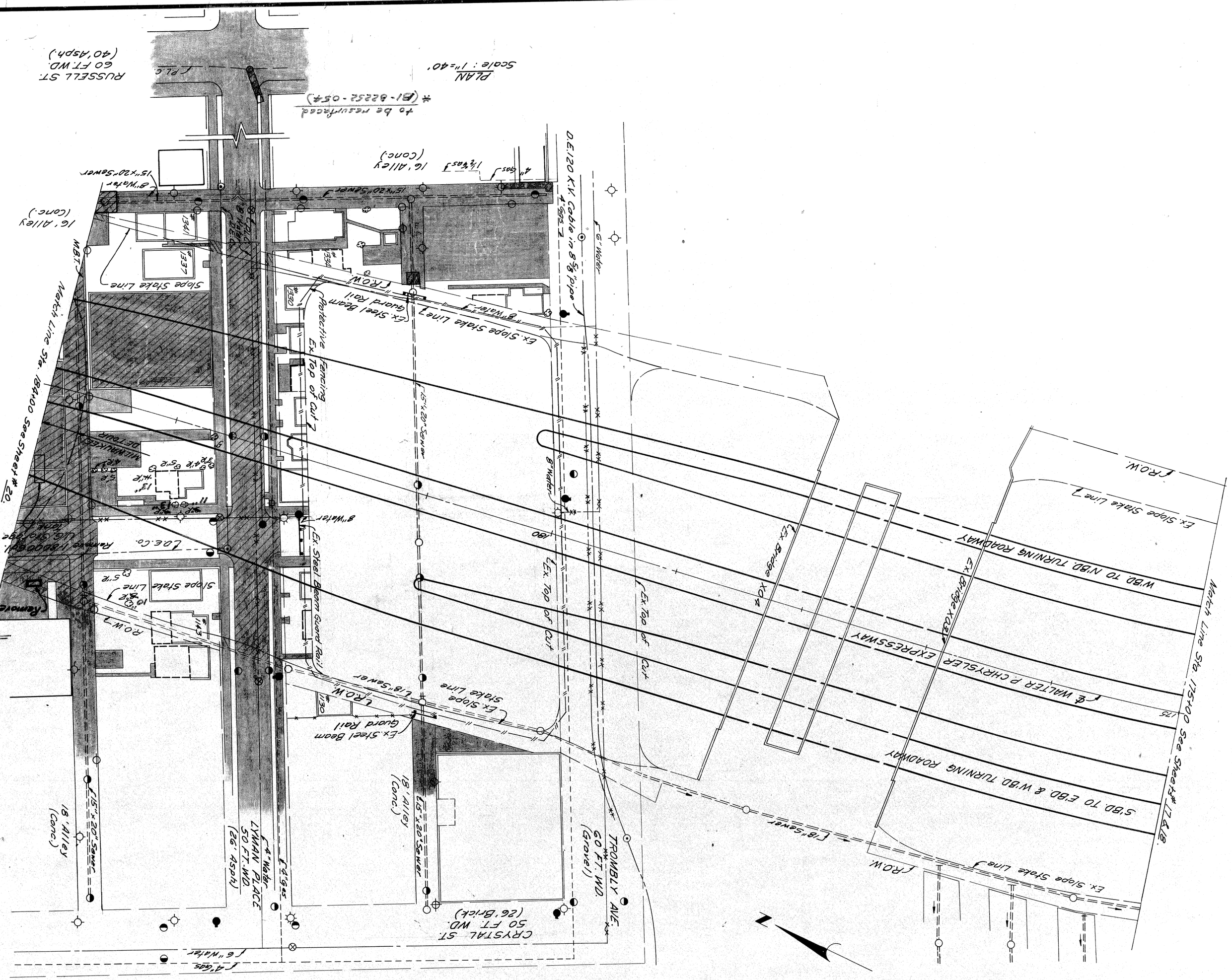
1. The plugging of Abandoned Sewers with Brick Bulkheads as shown on the Plan is Incidental to the Contract.
2. For Typical Cross Sections of Embankment and Backfill See Sh # 2.
3. Existing Pavement, Curb, and Sidewalk Removed for Utility Alterations which required temporary replacement are included in the estimate quantities for this sheet, but are not shown.
4. Construct Concrete Curb Detail 2A along South side of Harper where existing driveways are being removed.
5. Retain and Protect from damage all Trees noted S-(size). Incidental to Contract.
6. The Removal of all Trees 7" Dia. or less is Incidental to the Contract.

REMOVAL ITEMS EAST OF CHRYSLER EXPRESSWAY FROM FORD EXPRESSWAY TO STA. 175+00

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

SQUAD LEADER	J. TWICKEY	1-25
DRAWN BY	J. KNOX	2-25
TRACED BY		
CHECKED BY	C. LEHTO	2-65
APPROVED	[signature]	1-65

FILE NO. USE NO. 330 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	18


PLAN
Scale : 1"=40'
RUSSELL ST.
60 FT WD.
(40'Asph.)
to be resurfaced
* (BI- 82252 - 054)
16' alley (conc.)
8" Water
15"x20" Sewer
4" Gas
D.E. 120 KV Cable in 8" Pipe
E. Water
Ex Slope Stake Line
Ex. Steel Beam Guard Rail
Protective Fencing Top of Cut
Ex. Top of Cut
Ex. Bridge #04
W.80. TO N.80. TURNING ROADWAY
E WALTER P CHRYSLER EXPRESSWAY
S.80. TO E.80. & W.80. TURNING ROADWAY
Match Line Sta. 175+00 See Sheet# 11 &8
ROW
12" Sewer
TROMBLY AVE.
60 FT. WD
(Gravel)
CRYSTAL ST
50 FT. WD.
(26'Brick)
LYMAN PL.
50 FT. WD
(26' Asph)
Jones 20"x15" SP
Slope Stake Line
Ex. Steel Beam Guard Rail
Ex. Top of Cut
Ex. Slope #04
Ex. Bridge #04
Remove Misc. Steel
Remove Misc. Steel
Remove Misc. Steel

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75/182(53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	20	

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

All work this sheet
Control Section 82252 AC3

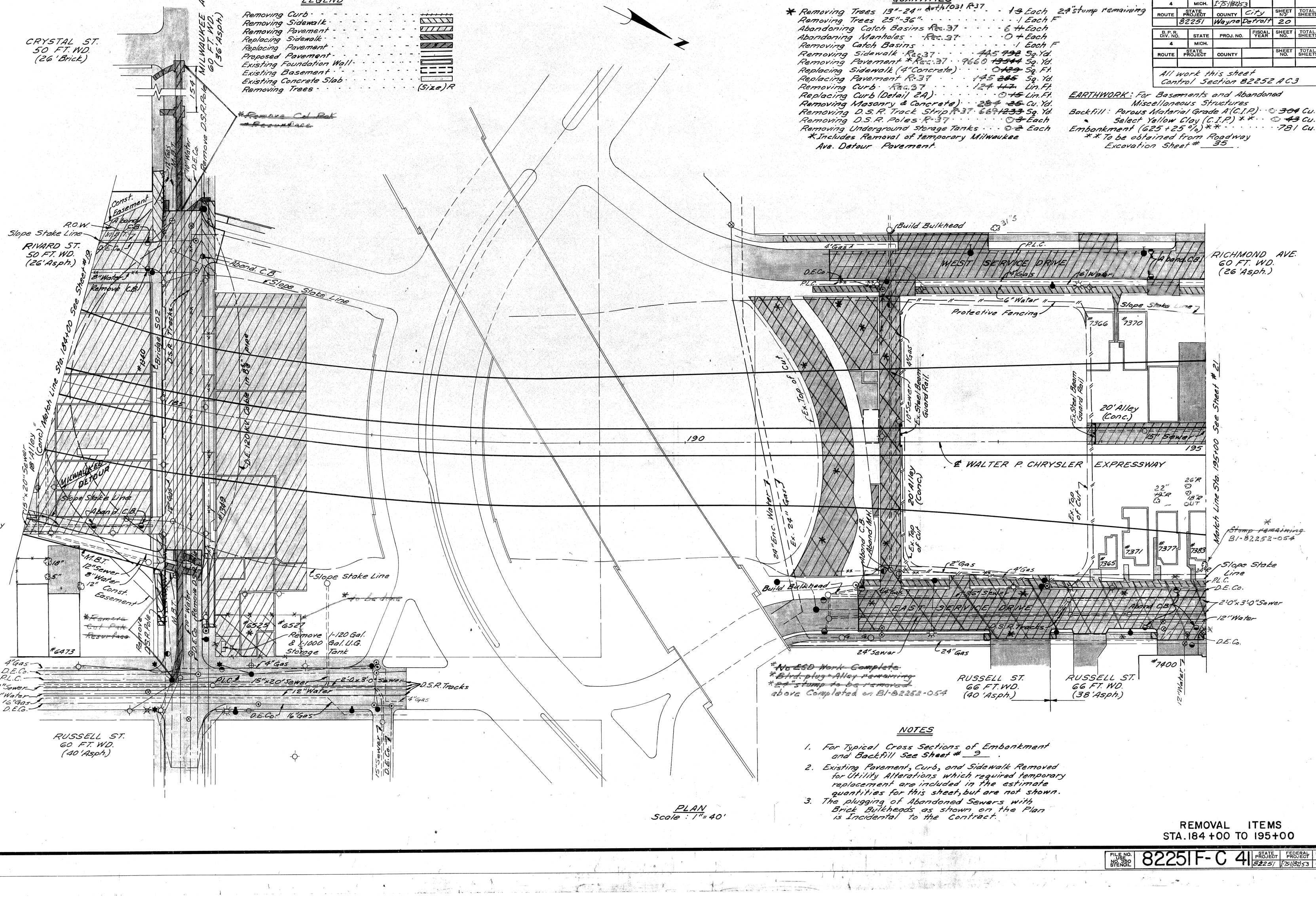
LEGEND

- Removing Curb
- Removing Sidewalk
- Removing Pavement
- Replacing Sidewalk
- Replacing Pavement
- Proposed Pavement
- Existing Foundation Wall
- Existing Basement
- Existing Concrete Slab
- Removing Trees (Size) R

QUANTITIES

* Removing Trees 13"-24" Auth. 1031 R-37 ~~13~~ Each 24" stump remaining
Removing Trees 25"-36" 1 Each F
Abandoning Catch Basins Rec. 37 6 + Each
Abandoning Manholes Rec. 37 0 + Each
Removing Catch Basins 1 Each F
Removing Sidewalk Rec. 37 ~~445~~ ~~792~~ Sq. Yd.
Removing Pavement * Rec. 37 9660 ~~19544~~ Sq. Yd.
Replacing Sidewalk (4" Concrete) ~~0~~ ~~132~~ Sq. Ft.
Replacing Pavement R-37 ~~45~~ ~~285~~ Sq. Yd.
Removing Curb Rec. 37 124 ~~147~~ Lin. Ft.
Replacing Curb (Detail 2A) ~~0~~ ~~15~~ Lin. Ft.
Removing Masonry & Concrete ~~284~~ ~~286~~ Cu. Yd.
Removing D.S.R. Track Strip R-37 ~~669~~ ~~1233~~ Sq. Yd.
Removing D.S.R. Poles R-37 ~~0~~ ~~3~~ Each
Removing Underground Storage Tanks ~~0~~ ~~2~~ Each
* Includes Removal of temporary Milwaukee Ave. Detour Pavement.

EARTHWORK: For Basements and Abandoned Miscellaneous Structures
Backfill: Porous Material Grade A (C.I.P.) ~~304~~ Cu. Yd.
Select Yellow Clay (C.I.P.) ** ~~43~~ Cu. Yd.
Embankment (625 ± 25%) ** 781 Cu. Yd.
** To be obtained from Roadway Excavation Sheet # 35 .



PLAN
Scale: 1" = 40'

NOTES

1. For Typical Cross Sections of Embankment and Backfill See Sheet # 9 .
2. Existing Pavement, Curb, and Sidewalk Removed for Utility Alterations which required temporary replacement are included in the estimate quantities for this sheet, but are not shown.
3. The plugging of Abandoned Sewers with Brick Bulkheads as shown on the Plan is Incidental to the Contract.

REMOVAL ITEMS
STA. 184+00 TO 195+00

FILE NO. USE NO. 350 STENCIL	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
82251F-C 41	82251	I-75/182(53	20

J. V. HICKEY 1.65
J. KNOX 1.65
C. LEHTO 1.65
Alan E. Rogers

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	21	

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

All work this sheet
Control Section 82252 AC3

LEGEND

- Removing Curb
- Removing Sidewalk
- Removing Pavement
- Replacing Sidewalk
- Replacing Pavement
- Proposed Pavement
- Existing Foundation Wall
- Existing Basement
- Existing Concrete Slab
- Removing Trees (Size) R

QUANTITIES

Removing Trees 8"-12" Ruth. 1931	13 ~~21~~	Each
Removing Trees 13"-24" Ruth. 1931	32 ~~75~~	Each
Removing Trees 25"-36"	1	Each
Abandoning Catch Basins R-37	14 ~~15~~	Each
Abandoning Manholes	2	Each
Removing Catch Basins R-37	0 ~~1~~	Each
Removing Sidewalk R-37	1543 ~~2418~~	Sq. Yd.
Removing Pavement * R-37	96.60 ~~1230~~	Sq. Yd.
Replacing Sidewalk (4" Concrete)	0 ~~330~~	Sq. Ft.
Replacing Pavement	150 ~~182~~	Sq. Yd.
Removing Curb R-37	290 ~~414~~	Lin. Ft.
Replacing Curb (Detail 2A)	35 ~~44~~	Lin. Ft.
Removing Masonry & Concrete R-37	175 ~~88~~	Cu. Yd.
Removing D.S.R. Track Strip	532 ~~827~~	Sq. Yd.

* Includes Removal of temporary Clay Ave. Detour Pavement.

EARTHWORK: For Basements and Abandoned Miscellaneous structures.

Excavation (Including Removal of Debris from Basements)	170 ~~1289~~	Cu. Yd.
Waste	170 ~~1289~~	Cu. Yd.
Backfill: Porous Material Grade A (C.I.P.)	0 ~~1682~~	Cu. Yd.
Select Yellow Clay (C.I.P.) **	0 ~~701~~	Cu. Yd.
Embankment (136+25%) **	170	Cu. Yd.

** To be obtained from Roadway Excavation Sheet # 37

NOTES

1. For Typical Cross Sections of Embankment and Backfill See Sheet # 9.
2. Existing Pavement, Curb, and Sidewalk Removed for Utility Alterations which required temporary replacement are included in the estimate quantities for this sheet, but are not shown.
3. The plugging of Abandoned Sewers with Brick Bulkheads as shown on the Plan is Incidental to the Contract.
4. The Removal of all Trees 7" Dia. or less is Incidental to the Contract.
5. Retain and Protect from damage all Trees noted S-(size). Incidental to Contract.

PLAN
Scale: 1"=40'

REMOVAL ITEMS
STA. 195+00 TO ALLEY NORTH OF CLAY

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

J.V. WICKEY	1-65	
F. KNOX	1-65	
C. LEFITO	1-65	
		Allen & Knox

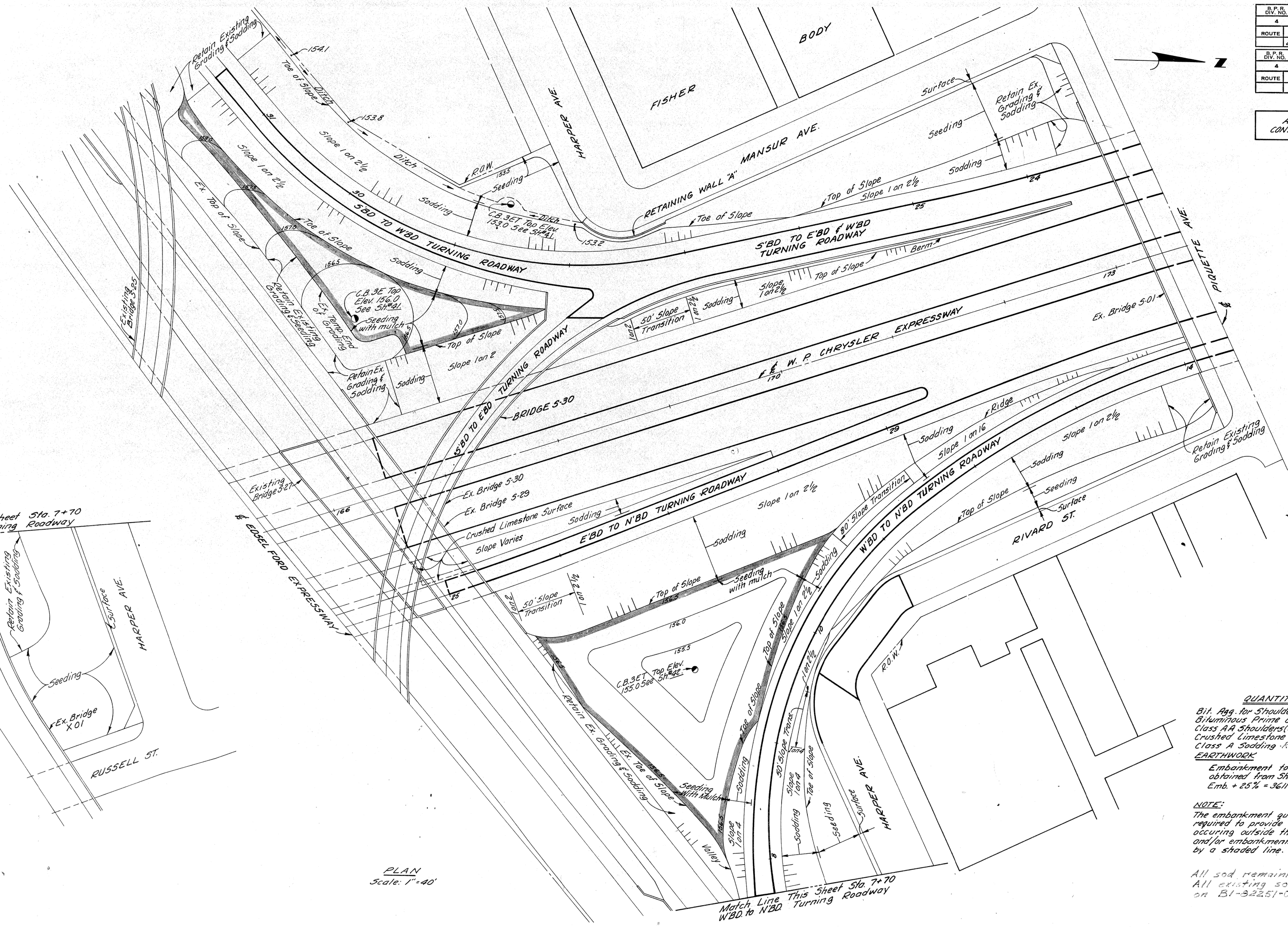
ROAD DESIGN					
DRAWN BY					
TRACED BY					
CHECKED BY					
APPROVED					

FILE NO. USE NO. 350 STENCIL	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
82251F-C 41	82251	F-75-1(82)53	21

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	22	

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

ALL WORK THIS SHEET
CONTROL SECTION 82251 F C-41



PLAN
Scale: 1" = 40'

QUANTITIES THIS SHEET

Bit. Agg. for Shoulders, Conc. Pav't. K-21 ... ~~0~~ 39 Tons
Bituminous Prime Coat ... K&G-21 ... ~~0~~ 159 Gals.
Class AA Shoulders (Comp. in Place) K-21 ... ~~0~~ 54 Cu. Yds.
Crushed Limestone Surface K-21 ... ~~0~~ 1443 Sq. Yds.
Class A Sodding Rec. 21 ... 4,676 ~~10,571~~ Sq. Yds.

EARTHWORK

Embankment to be obtained from Sht. 31
Emb. + 25% = 3611 + 903 = ... 4514 Cu. Yds.

NOTE:
The embankment quantity listed on this sheet is required to provide adequate drainage of areas occuring outside the limits of roadway excavations and/or embankments. These areas are outlined by a shaded line.

All sod remaining to be done
All existing sod to be removed
on BI-82251-054

GRADING PLAN

J.V. BUCKEY 1-65
M. ALLITO 1-65
R. DETAFFE 1-65
Allan E. Fagan 1-65

FILE NO. USE NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	22

C.B.M. # 143. Elev. 155.728 Arrow on Hydrant
N.W. Corner Harper Ave. and Mansur Ave.

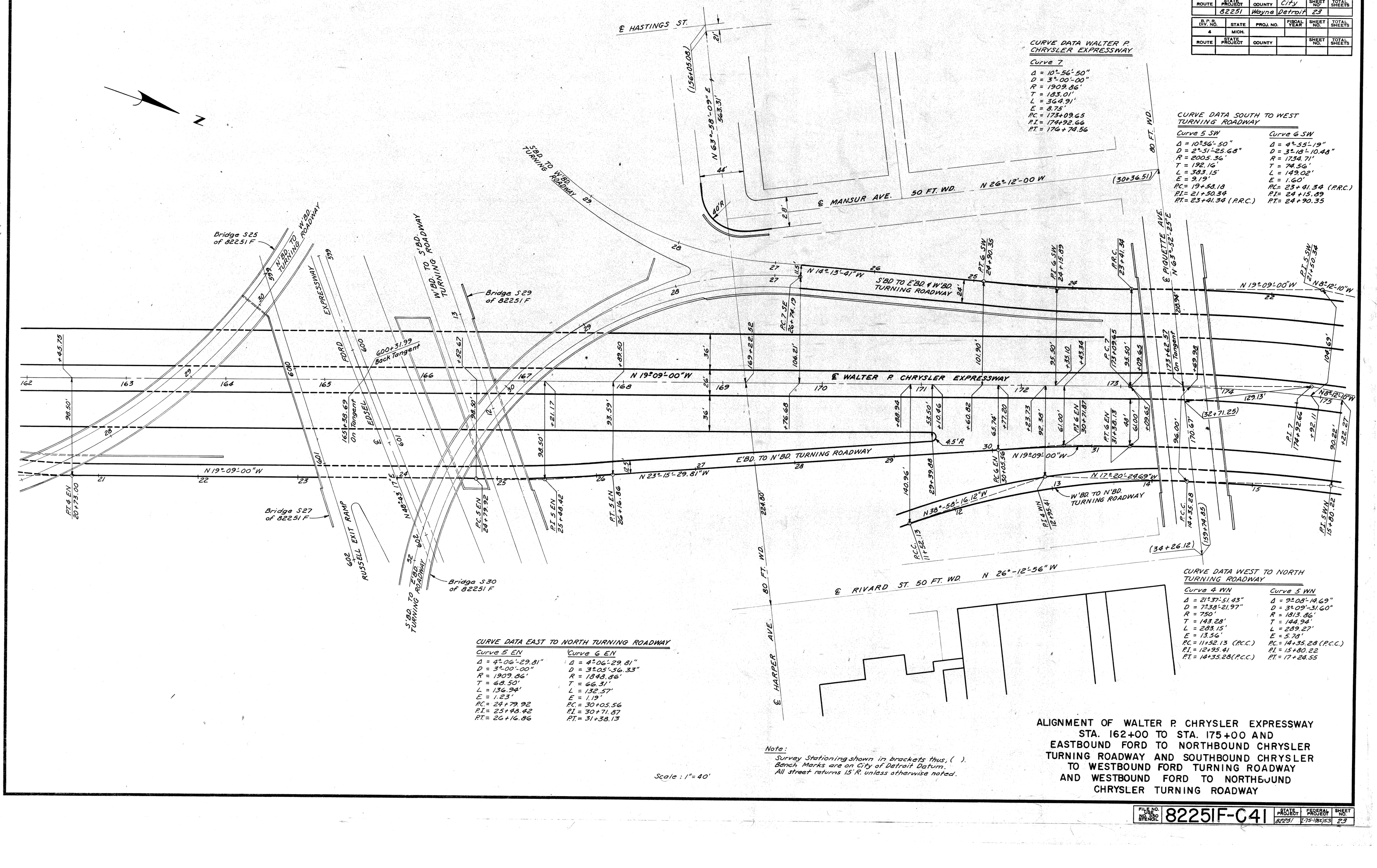
C.B.M. # 144 Elev. 155.964 Arrow on Hydrant
N.W. Corner Harper Ave. and Rivard St.

C.B.M. # 151 Elev. 156.621 Arrow on Hydrant
N.W. Corner Rivard St. and Piquette Ave.

C.B.M. # 152. Elev. 155.134 Arrow on Hydrant
S.E. Corner Rivard St. and Piquette Ave

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(182)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	23	

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



Scale : 1"= 40'

Note:
Survey Stationing shown in brackets thus, ( ).
Bench Marks are on City of Detroit Datum.
All street returns 15' R. unless otherwise noted.

ALIGNMENT OF WALTER P. CHRYSLER EXPRESSWAY STA. 162+00 TO STA. 175+00 AND EASTBOUND FORD TO NORTHBOUND CHRYSLER TURNING ROADWAY AND SOUTHBOUND CHRYSLER TO WESTBOUND FORD TURNING ROADWAY AND WESTBOUND FORD TO NORTHBOUND CHRYSLER TURNING ROADWAY

FILE NO. USE NO. 330 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(182)53	23

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	24	

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

C.B.M.#151 Elev. 156.621 Arrow on Hydrant. N.W. corner of Rivard St. and Piquette Ave.

C.B.M.#152 Elev. 155.134 Arrow on Hydrant. S.E. Corner of Rivard St. and Piquette Ave.

C.B.M.#153 Elev. 145.042 Arrow on Hydrant. N.W. corner of Russell St. and Piquette Ave.

C.B.M.#160 Elev. 145.043 Arrow on Hydrant. E. side of Russell St., 238' N. of Piquette Ave.

C.B.M.#159 Elev. 154.591 Arrow on Hydrant. N.E. corner of Russell St. and Trombly Ave.

C.B.M.#158 Elev. 153.352 Arrow on Hydrant. N.E. corner of Russell St. and Lyman Place.

C.B.M.#155 Elev. 148.093 Arrow on Hydrant. N. side of Milwaukee Ave., 300' E. of C.B.M. 154

C.B.M.#156 Elev. 154.023 Arrow on Hydrant. N.W. corner Rivard St. and Milwaukee Ave.

C.B.M.#157 Elev. 153.502 Arrow on Hydrant. N.W. corner of Russell St. and Milwaukee Ave.

C.B.M.#154 Elev. 148.022 Arrow on Hydrant. N.E. corner Hastings St. and Milwaukee Ave.

Notes:
All Street Returns are 15' R unless otherwise noted.
All Alley Returns are 4' R unless otherwise noted.
Stationing shown in brackets, ( ) thus, refer to survey stationing.
Bench marks are based on City of Detroit Datum.

E MANSUR AVE. 50 FT. WD.
N 26°-12'-00"W
(30+36.51)
P.I. 6 SW 24+15.891
P.R.C. 23+41.336
Bridge 5'-01
Chrysler R.O.W.
N 19°-09'-00"W
12' 44' 12'
S'BD. TO E'BD. & W'BD. TURNING ROADWAY
N.Y.C. R.R. & Wabash R.R. R.O.W.
P.I. 5 SW 21+50.344
P.C. 5 SW 19+58.182
P.C. 7 173+09.652
95.500'
P.I. 7 174+92.663
P.I. 7 176+74.559
20
24'
22.5'
36'
26'
48'
22.5'
12'
N 19°-09'-00"W
173
174
129.129'
175
176
177
38.068' On Tang.
61.000'
P.I. 6 E.N. 30+71.873
P.T. 6 E.N. 31+38.269
173+62.668
69.932'
(32+71.248)
P.I. 4 NW 121+95.409
P.C.C. 14+35.278
N 17°-20'-24.69"W
15
90.218'
P.I. 5 NW 15+80.221
N 8°-12'-10"W
P.T. 5 NW 17+24.549
N 86°-28'-38"E
177+25.15
E Bridge x 1.03 N.Y.C. R.R.
N 86°-18'-47"E
178+07.12
E Bridge x 1.04 Wabash R.R.
28
96.000'
178+46.767
49.000'
P.I. M.L. +34.542
P.I. M.L.
P.T. M.L.
N 12°-01'-04"W
+66.010
E 179 WALTER
180
R
CHRYSLER
181
EXPRESSWAY
182
N 8°-12'-10"W
183
184
185
P.C. 6 WN 18+69.293
P.I. 6 WN 18+96.757
P.T. 6 WN 19+24.208
67.30'
180+76.303
6.50' R
19.00'
20+77.333 Nose
N 11°-13'-23.10"W
E TROMBLY AVE. 60 FT. WD.
N 6°-37'-43"E (Vacated)
E 17.78 FT. ALLEY N 63°-37'-45"E (Vacated)
E CRYSTAL ST. 50 FT. WD. N 26°-11'-42"W (Vacated)
(31+20.69)
(31+20.58)
E LYMAN PL. 50 FT. WD. N 63°-38'-20"E (Vacated)
E 18 FT. ALLEY N 63°-38'-32"E (Vacated)
E MILWAUKEE AVE. 60 FT. WD. N 63°-44'-32"E
N 8°-12'-10"W
P.T. 4 SW 15+48.193
P.I. 4 SW 15+01.205
P.C. 4 SW 14+54.163
28.5'
45' R
15
(34+10.15)
N 3°-30'-05"W
E RIVARD ST. 50 FT. WD. N 26°-12'-06"W
185+00.000
20' R
10' R
P.C. 8 182+42.643
P.C. 8 180+79.303
P.T. 3 SW 12+55.666
P.C. 3 SW 10+80.181
Bridge 502
N 16°-39'-46"W
P.I. 3 SW 11+68.311
58.901'
185+15.862
P.I. 8 185+85.973
184+32.633
71.177
184+70.335
11'-2½"
40'
25'
N 18°-36'-46"W
P.C. 7 WN 23+65.643
P.I. 7 WN 24+88.976
P.T. 7 WN 26+11.966
E 16 FT. ALLEY N 26°-12'-06"W
149.529'
E 16' ALLEY N 11°-20'-20"W
270.310' to E of Russell St. @ Sta. (1120+90.38)
(37+27.433)
426.010' to E Russell St. @ Sta. (1631+64.11)
340.323' to E Russell St. @ Sta. (1631+27.85)
E TROMBLY AVE. 60 FT. WD. N 6°-37'-48"E
E LYMAN PL. 50 FT. WD. N 6°-38'-20"E
E RIVARD ST. 50 FT. WD. N 26°-12'-56"W
E PIQUETTE AVE. 80 FT. WD. N 63°-52'-35"E
(34+26.12)
E Chrysler R.O.W.

Trombly & tie to Russell Sta. 426.010'
(1631+64.11)
0.95'
E Russell St. N 26°-12'-10"W
E Russell St. N 26°-11'-18"W
0.30'
E Trombly
Russell Base Line

CURVE DATA W. P. CHRYSLER MAIN ROADWAY

Curve 7	Curve 8
Δ = 10°-56'-50"	Δ = 18°-14'-40"
D = 3°-00'-00"	D = 3°-00'-00"
R = 1909.859'	R = 1909.859'
T = 183.011'	T = 306.670'
L = 364.907'	L = 608.148'
E = 8.748'	E = 24.465'
P.C. = 173+09.652	P.C. = 182+79.303
P.I. = 174+92.663	P.I. = 185+85.973
P.T. = 176+74.559	P.T. = 188+87.451

CURVE DATA SOUTH TO WEST TURNING ROADWAY

Curve 3 SW	Curve 4 SW	Curve 5 SW	Curve 6 SW
Δ = 13°-09'-41"	Δ = 4°-42'-05"	Δ = 10°-56'-50"	Δ = 4°-55'-19"
D = 7°-30'-00"	D = 5°-00'-00"	D = 2°-51'-25.68"	D = 3°-18'-10.48"
R = 763.944'	R = 1145.916'	R = 2005.359'	R = 1734.705'
T = 88.130'	T = 47.040'	T = 192.162'	T = 74.555'
L = 175.495'	L = 94.028'	L = 383.154'	L = 149.018'
E = 5.067'	E = 0.965'	E = 9.186'	E = 1.601'
P.C. = 10+80.181	P.C. = 14+54.165	P.C. = 19+58.182	P.C. = 23+41.336
P.I. = 11+68.311	P.I. = 15+01.205	P.I. = 21+50.344	P.I. = 24+15.891
P.T. = 12+55.666	P.T. = 15+48.193	P.T. = 23+41.336	P.T. = 24+90.354

Mistake Lane Curve in S'bd. Chrysler → S.W.T.R.

Δ = 3°-48'-54"
D = 4°-00'-00"
R = 1432.394'
T = 47.705'
L = 95.375'
E = 0.794'
P.C. = 178+34.542
P.I. = —
P.T. = —

CURVE DATA E N TURNING RDWY

Curve 6 E N
Δ = 4°-06'-29.81"
D = 3°-05'-56.33"
R = 1848.859
T = 66.313'
L = 132.569'
E = 1.189'
P.C. = 30+05.560
P.I. = 30+71.873
P.T. = 31+38.129

CURVE DATA WEST TO NORTH TURNING ROADWAY

Curve 4 WN	Curve 5 WN	Curve 6 WN	Curve 7 WN
Δ = 21°-37'-51.43"	Δ = 9°-08'-14.69"	Δ = 3°-01'-13.10"	Δ = 7°-23'-22.90"
D = 7°-38'-21.97"	D = 3°-09'-31.60"	D = 5°-30'-00.00"	D = 3°-00'-00.00"
R = 750.000'	R = 1813.859'	R = 1041.741'	R = 1909.859'
T = 143.280'	T = 144.943'	T = 27.464'	T = 123.333'
L = 283.149'	L = 289.271'	L = 54.915'	L = 246.323'
E = 13.563'	E = 5.782'	E = 0.362'	E = 3.978'
P.C. = 11+52.129	P.C. = 14+35.278	P.C. = 18+69.293	P.C. = 23+65.643
P.I. = 12+95.409	P.I. = 15+80.221	P.I. = 18+96.757	P.I. = 24+88.976
P.T. = 14+35.278	P.T. = 17+24.549	P.T. = 19+24.208	P.T. = 26+11.966

Scale: 1" = 40'

ALIGNMENT OF WALTER P. CHRYSLER EXPRESSWAY STA. 173+00 TO STA. 185+00 S'BD. CHRYSLER TO E'BD. AND W'BD. FORD TURNING ROADWAY AND W'BD. FORD TO N'BD. CHRYSLER TURNING ROADWAY

FILE NO. 186 NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	24

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	25	

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

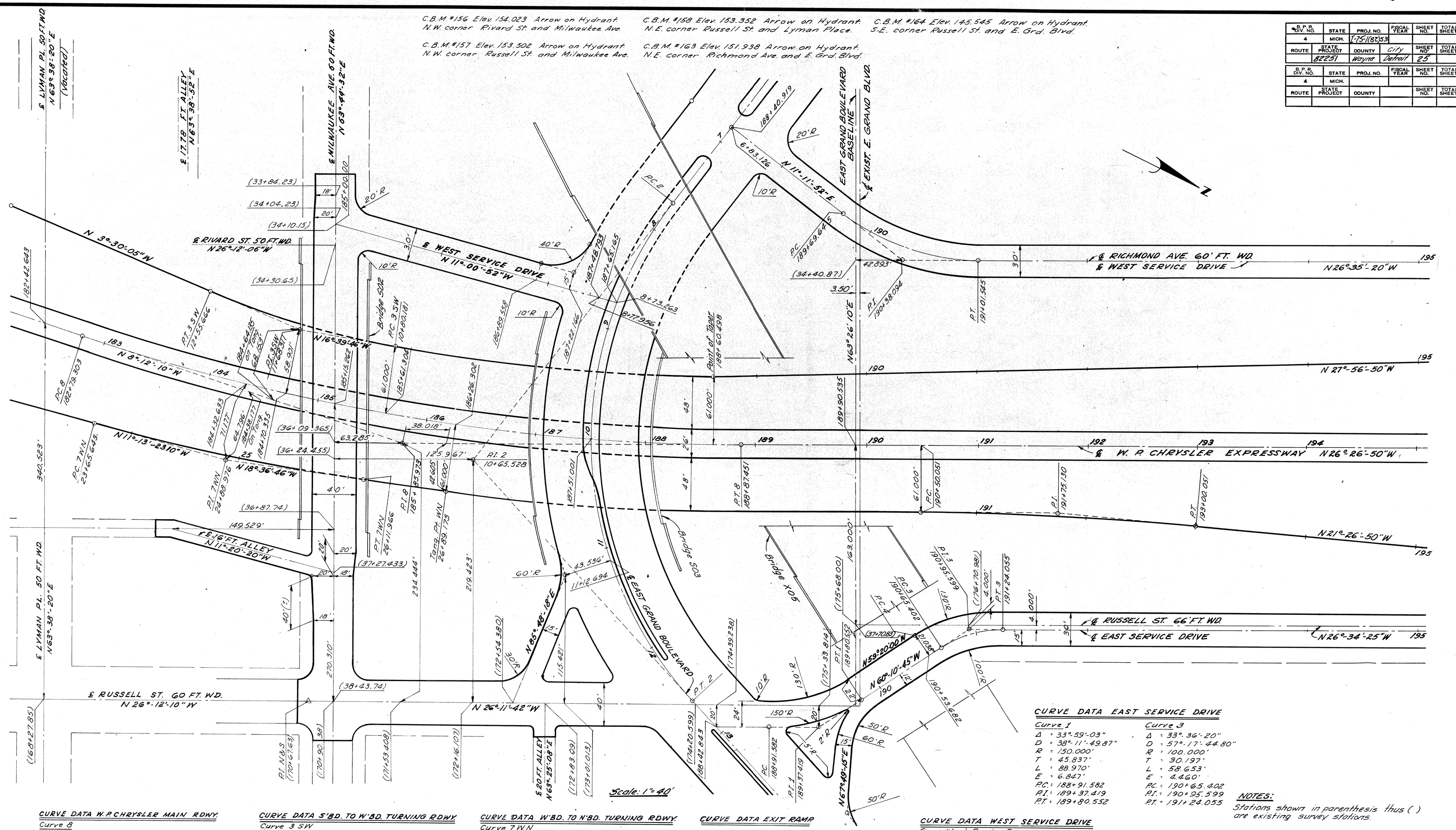
C.B.M. #156 Elev. 154.023 Arrow on Hydrant. N.W. corner Rivard St. and Milwaukee Ave.

C.B.M. #157 Elev. 153.502 Arrow on Hydrant. N.W. corner Russell St. and Milwaukee Ave.

C.B.M. #158 Elev. 153.352 Arrow on Hydrant. N.E. corner Russell St. and Lyman Place.

C.B.M. #163 Elev. 151.938 Arrow on Hydrant. N.E. corner Richmond Ave. and E. Grd. Blvd.

C.B.M. #164 Elev. 145.545 Arrow on Hydrant. S.E. corner Russell St. and E. Grd. Blvd.



CURVE DATA W.P CHRYSLER MAIN RDWY.

Curve 8
- Δ = 18°-14'-40"
- D = 3°-00'-00"
- R = 1909.859'
- T = 306.670'
- L = 608.148'
- E = 24.465'
- P.C. = 182+79.303
- P.I. = 185+85.973
- P.T. = 188+87.451

CURVE DATA S'BD. TO W'BD. TURNING RDWY.

Curve 3 SW
- Δ = 13°-09'-41"
- D = 7°-30'-00"
- R = 763.944'
- T = 88.130'
- L = 175.485'
- E = 5.067'
- P.C. = 10+80.181
- P.I. = 11+68.311
- P.T. = 12+55.666

CURVE DATA W'BD. TO N'BD. TURNING RDWY.

Curve 7 NW
- Δ = 7°-23'-22.90"
- D = 3°-00'-00.00"
- R = 1909.859'
- T = 123.333'
- L = 246.329'
- E = 3.978'
- P.C. = 23+65.643
- P.I. = 24+88.976
- P.T. = 26+11.966

CURVE DATA EXIT RAMP

- Δ = 5°-00'-00"
- D = 2°-00'-00"
- R = 2864.789'
- T = 125.079'
- L = 250.000'
- E = 2.729'
- P.C. = 190+50.051
- P.I. = 191+75.130
- P.T. = 193+00.051

CURVE DATA WEST SERVICE DRIVE

Curve West Service Dr.
- Δ = 37°-47'-12"
- D = 28°-38'-52.40"
- R = 200.00'
- T = 68.449'
- L = 131.900'
- E = 11.389'
- P.C. = 189+69.645
- P.I. = 190+38.094
- P.T. = 191+01.545

CURVE DATA EAST SERVICE DRIVE

Curve 1
- Δ = 33°-59'-03"
- D = 38°-11'-49.87"
- R = 150.000'
- T = 45.837'
- L = 88.970'
- E = 6.847'
- P.C. = 188+91.582
- P.I. = 189+37.419
- P.T. = 189+80.552

Curve 3
- Δ = 33°-36'-20"
- D = 57°-17'-44.80"
- R = 100.000'
- T = 30.197'
- L = 58.653'
- E = 4.460'
- P.C. = 190+65.402
- P.I. = 190+95.599
- P.T. = 191+24.055

NOTES:

Stations shown in parenthesis thus ( ) are existing survey stations.

All Street Returns are 15'R unless otherwise noted.
All Alley Returns are 4'R unless otherwise noted

ALIGNMENT OF WALTER P. CHRYSLER EXPRESSWAY STA. 183+00 TO STA. 194+00 S'BD. CHRYSLER TO E'BD. AND W'BD. FORD TURNING ROADWAY AND W'BD. FORD TO N'BD. CHRYSLER TURNING ROADWAY

FILE NO. USE 3 NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-(82)53	25

C.B.M.#196 Elev. 152.072 Arrow on Hydrant. E. side of Russell, 390' S. of C.B.M.#195

C.B.M.#195 Elev. 152.790 Arrow on Hydrant. E. side of Russell, 480' S. of C.B.M.#194

C.B.M.#194 Elev. 151.673 Arrow on Hydrant. S.E. corner Russell and Clay.

C.B.M.#198 Elev. 153.079 Arrow on Hydrant. S.E. corner Cameron and Custer.

C.B.M.#199 Elev. 151.701 Arrow on Hydrant. E. side of Cameron, 315' N. of C.B.M.#198.

C.B.M.#200 Elev. 151.224 Arrow on Hydrant. S.E. corner Cameron and Clay.

Notes

All Street Returns are 15'R unless otherwise noted.
All Alley Returns are 4'R unless otherwise noted.
Stationing shown in brackets, ( ) thus, refer to survey stationing.
Bench marks are based on City of Detroit Datum.

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	26	

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

Scale: 1" = 40'

CURVE DATA ENTRANCE RAMP

Bottom Curve	Top Curve
Δ = 8°-00'-00"	Δ = 9°-21'-30"
D = 4°-45'-00"	D = 7°-00'-00"
R = 1206.227'	R = 818.511'
T = 84.348'	T = 66.994'
L = 168.421'	L = 133.690'
E = 2.945'	E = 2.737'
PC. = 196+39.820	PC. = 201+01.617
P.I. = 197+24.168	P.I. = 201+68.611
P.T. = 198+08.241	P.T. = 202+35.307

Mistake Lane in N'bd. Chrysler @ Exit Ramp

Δ = 2°-00'-00"
D = 3°-00'-00"
R = 1909.859'
T = 33.337'
L = 66.667'
E = 0.291'
PC. = —
P.I. = —
P.T. = 196+95.198

CURVE DATA EXIT RAMP

Middle Curve	Top Curve
Δ = 2°-12'-48"	Δ = 7°-20'-23"
D = 2°-45'-00"	D = 5°-00'-00"
R = 2083.483'	R = 1145.916'
T = 40.247'	T = 73.498'
L = 80.485'	L = 146.794'
E = 0.389'	E = 2.355'
PC. = 195+86.705	PC. = 199+65.188
P.I. = 196+26.952	P.I. = 200+38.686
P.T. = 196+67.190	P.T. = 201+11.982

CURVE DATA WEST SERVICE DRIVE

Δ = 3°-43'-20"	Δ = 3°-22'-52"
D = 6°-30'-02.09"	D = 5°-21'-55.21"
R = 881.395'	R = 1067.888'
T = 28.640'	T = 31.518'
L = 57.260'	L = 63.018'
E = 0.465'	E = 0.465'
PC. = 202+89.693	PC. = 203+46.953
P.I. = 203+18.333	P.I. = 203+78.471
P.T. = 203+46.953	P.T. = 204+09.971

CURVE DATA ENTRANCE RAMP

Bottom Curve

Δ = 7°-20'-23"
D = 6°-30'-00"
R = 881.47'
T = 56.54'
L = 112.92'
E = 1.81'
PC. = 204+86.44
P.I. = 205+42.98
P.T. = 205+99.36

ALIGNMENT OF WALTER P. CHRYSLER EXPRESSWAY
STA. 194+00 TO STA. 204+00

FILE NO. DSE NO. 380 STENCIL	8225IF-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	26

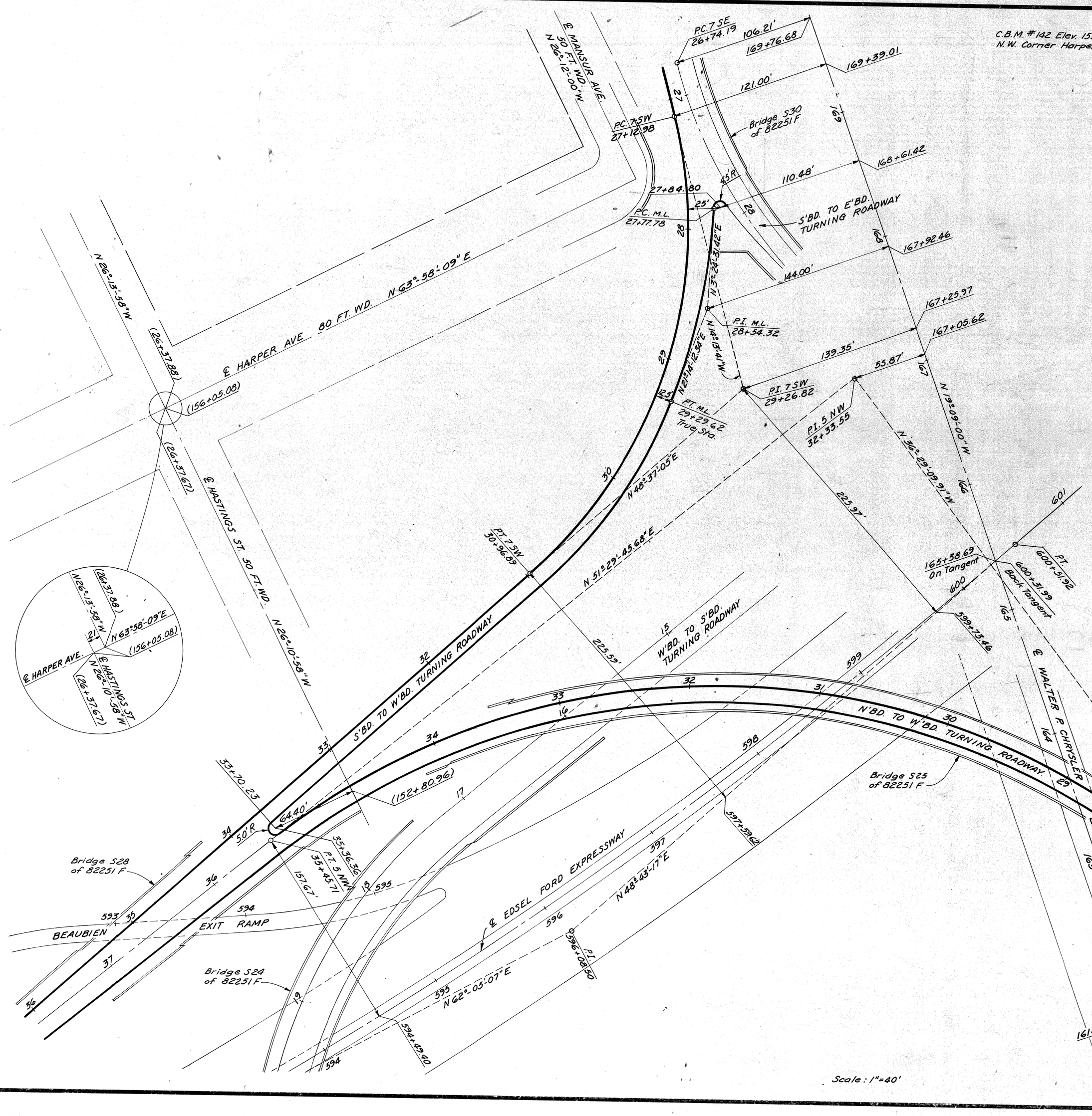
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	27	

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

C.B.M. #142 Elev. 155.039 Arrow on Hydrant
N.W. Corner Harper Ave. and Hastings St.

C.B.M. #143 Elev. 155.728 Arrow on Hydrant
N.W. Corner Harper Ave. and Mansur Ave.

N



Curve 7 SW
Δ = 62°-50'-46"
D = 16°-22'-12.80"
R = 350'
T = 213.83'
L = 383.91'
E = 60.15'
PC.= 27+12.98
P.I.= 29+26.82
P.T.= 30+96.89

Mistake Lane in SW
Δ = 17°-49'-40.92"
D = 11°-44'-28.42"
R = 487.99'
T = 76.54'
L = 151.84'
E = 5.97'
PC.= 27+77.78
P.I.= 28+54.32
P.T.= 29+29.62 (True Sta.)

Curve 5 NW
Δ = 92°-01'-04.41"
D = 10°-27'-53.94"
R = 547.50'
T = 567.13'
L = 879.29'
E = 240.79
PC.= 26+66.42 (P.C.C.)
P.I.= 32+33.55
P.T.= 33+45.71

Note:
Survey Stationing shown in brackets thus, ( )
Bench Marks are on City of Detroit Datum.

Scale: 1"=40'

ALIGNMENT OF SOUTHBOUND CHRYSLER TO WESTBOUND FORD TURNING ROADWAY AND NORTHBOUND CHRYSLER TO WESTBOUND FORD TURNING ROADWAY

FILE NO. USE NO. 330 STENCIL	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
82251F-C41	82251	I-75-1(82)53	27

PLANS APPROVED BY CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEER AND EXPRESSWAYS

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS
	82251	Wayne	City of Detroit	28	

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

C.B.M. #143 Elev. 155.728 Arrow on Hydrant. N.W. Corner Harper Ave. and Mansur Ave.

C.B.M. #144 Elev. 155.964 Arrow on Hydrant. N.W. Corner Harper Ave. and Rivard St.

C.B.M. #145 Elev. 155.869 Arrow on Hydrant. N. side of Harper Ave., 253' E. of C.B.M. #144

C.B.M. #146 Elev. 155.610 Arrow on Hydrant. N.E. Corner Harper Ave. and Russell St.

C.B.M. #147 Elev. 155.988 Arrow on Hydrant. N.E. Corner Medbury Ave. and Russell St.

Mistake Lane in S to E
Δ = 17°-49'-40.92"
D = 11°-44'-28.42"
R = 487.99'
T = 76.54'
L = 151.84'
E = 5.97'
P.C. = 27+85.54
P.I. = 28+62.08
P.T. = 29+37.38 (True Sta.)

Curve 7 SE
Δ = 77°-54'-24.79"
D = 15°-48'-20.64"
R = 362.50'
T = 293.06'
L = 492.90'
E = 103.64'
P.C. = 26+74.19
P.I. = 29+67.25
P.T. = 31+67.09

Curve 8 SE
Δ = 45°-01'-32.95"
D = 13°-53'-23.59"
R = 412.50'
T = 170.97'
L = 324.16'
E = 34.03'
P.C. = 31+67.09 • P.T. 7 SE
P.I. = 33+38.06
P.T. = 34+91.25

Curve 5 NE
Δ = 10°-48'-54.54"
D = 1°-14'-00"
R = 4645.60'
T = 439.76'
L = 876.90'
E = 20.77'
P.C. = 30+92.55 • P.T. 4 NE
P.I. = 35+32.31
P.T. = 39+69.46

Curve 4 NE
Δ = 51°-34'-44.46"
D = 16°-22'-12.80"
R = 350'
T = 169.12'
L = 315.08'
E = 38.72'
P.C. = 27+77.47
P.I. = 29+46.59
P.T. = 30+92.55 = P.C. 5 NE

CURVE DATA EDSEL FORD
Main Roadway
Δ = 13°-21'-50"
D = 1°-30'-00"
R = 3819.83'
T = 447.51'
L = 890.93'
E = 26.13'
P.C. = 59/+60.99
P.I. = 596+08.50
P.T. = 600+51.92

E MANSUR AVE 30 FT. WD
N 26°-12'-00" W (30+36.26)
(155+76.31)
P.C. 7 SE 26+74.19
106.21'
+76.68
170
27+82.80
+73.72
27+87.38
25'
23'
P.C.M.L. 27+85.54
S'BD. TO W'BD. TURNING ROADWAY
N 37°-59'-36.08" W
110.48'
169
EXPRESSWAY
+61.42
E HARPER AVE. 80 FT.
(341+25.99)
N 26°-12'-36" W
P.I. N 8.8 (155+37.68)
N 63°-58'-09" E
P.I.M.L. 28+62.08
N 14°-13'-41" W
81.50'
168
E WALTER P. CHRYSLER
+90.44
E'BD. TO N'BD. TURNING ROADWAY
P.I. 7 SE 29+67.25
P.T.M.L. 29+37.38 (True Sta.)
131.36'
N 87°-51'-54.21" E
+84.70
12.5'
Bridge S 29 of 82251 F
W'BD. TO S'BD. TURNING ROADWAY
E RIVARD ST. 50 FT. WD
60 FT. WD. N 26°-11'-18" W (38+43.86)
(155+43.86 North) = (155+36.18 South)
E RUSSELL ST.
Bridge S 30 of 82251 F
+65.31 Back Tangent
184.73' To Ford Tangent
600+31.99 Back Tangent
P.C.C. 31+67.09
E EDSEL FORD EXPRESSWAY
N 48°-43'-17" E
598 599 600 601 603 604 605 606 607 608 609 610
165+38.69 On Tangent
PT. 600+51.92
+88.60
+92.60
0.27'
32
S'BD. TO E'BD. TURNING ROADWAY
108.20'
134.02'
+25.20
+54.71
+64.39
95.27
34+60.17'
91.19'
P.T. 8 SE 34+91.25
90.61'
+83.84
+86.66
46.00'
31.50'
45° R
N 48°-43'-17" E
RUSSELL EXIT RAMP
Bridge S 27 of 82251 F
+44.14
207.50'
P.I. 4 NE 29+46.59
165.75
P.I. 8 SE 35+38.06
N 42°-50'-21.26" E
45° R
N 37°-54'-22.46" E
32+06.76
Bridge X01 of 82024 B C5
Tangent Point 37+46.47 = 34+92.53 NE
11.5'
35+29.92
P.I. 5 NE 35+32.31
SHIFFMAN
FOUNDATION
N 13°-09'-00" W
N 12°-40'-22" W
N'BD. TO E'BD. TURNING ROADWAY
N 26°-11'-06" W
P.C.C. 30+92.55
(151+29.82)
E MEDBURY AVE. 60 FT. WD. N 63°-49'-46" E
E 20 FT. ALLEY N 26°-11'-48" W
(38+43.93)
FARM CREST
BAKERY
+75.79
191.36'
Tangent Pt. 27+90.85
Bridge S 26 of 82251 F
12.5'
P.C. 4 NE 27+77.47

Scale 1"=40'

Note:
Survey Stationing shown in brackets thus ( ).
Bench Marks are on City of Detroit Datum.

ALIGNMENT OF SOUTHBOUND CHRYSLER TO EASTBOUND FORD TURNING ROADWAY, AND NORTHBOUND CHRYSLER TO EASTBOUND FORD TURNING ROADWAY

FILE NO. DM NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	28

S.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	29	

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

CURVE DATA EAST SERVICE DRIVE

Δ = 62°-29'-44"	Δ = 27°-19'-11"
D = 104°-10'-26.92"	D = 127°-19'-26.24"
R = 55.00'	R = 45.00'
T = 33.37'	T = 10.94'
L = 59.99'	L = 21.46'
E = 9.35'	E = 1.31'
P.C. = 155+00.52	P.C. = 156+13.16
P.I. = 155+33.89	P.I. = 156+24.10
P.T. = 155+60.51	P.T. = 156+34.62

FILED IN THE OFFICE OF THE CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS CITY ENGINEERS, OFFICE OF PAVING OF HIGHWAYS AND EXPRESSWAYS

Traced by F. Caltabiano 11-31-19
Checked by J.M. Bredel 11-31-19
Corrected by F. Caltabiano 1-22-20
Back Chkd by J.M. Bredel 1-23-20

E 20 FT. ALLEY

N 63°-38'-00"E

N 26°-13'-38"W

50 FT. WD

E HARPER AVE.

N 63°-38'-09"E

(156+05.08)

(26+37.88)

(26+37.67)

E HASTINGS ST.

N 26°-10'-38"W

155'

(26+37.67)

(156+05.08)

563.31'

563.52'

30

(30+36.26)

(155+76.31)

C.B.M. #142 Elev. 155.059 Arrow on Hydrant. N.W. Corner Hastings St. and Harper Ave.

C.B.M. #143 Elev. 155.728 Arrow on Hydrant. N.W. Corner Harper Ave. and Mansur Ave.

C.B.M. #144 Elev. 155.964 Arrow on Hydrant. N.W. Corner Harper Ave. and Rivard St.

C.B.M. #145 Elev. 155.869 Arrow on Hydrant. N. Side of Harper Ave., 255' E. of C.B.M. #144.

C.B.M. #146 Elev. 155.610 Arrow on Hydrant. N.E. Corner Harper Ave. and Russell St.

E MANSUR AVE. 50 FT. WD. N 26°-12'-00"W

N 19°-09'-00"W

170

+22.52

224.80'

169

E WALTER P. CHRYSLER EXPRESSWAY

CURVE 4 WN

Δ = 21°-37'-51.43"
D = 7°-38'-21.97"
R = 750'
T = 143.28'
L = 283.15'
E = 13.36'
P.C. = 11+52.13 (P.C.C.)
P.I. = 12+95.41
P.T. = 14+35.28 (P.C.C.)

Curve 3WN

Δ = 91°-05'-43.79"
D = 16°-22'-12.80"
R = 350'
T = 356.76'
L = 556.47'
E = 149.78'
P.C. = 5+95.66
P.I. = 9+52.42
P.T. = 11+52.13 (P.C.C.)

+23.73

92.38'

P.I. 4 WN
12+95.41

172

13

N 17°-20'-24.69"W

+88.94

171

140.96'

P.C.C.
11+52.13

172

E RIVARD ST. 50 FT. WD. N 26°-12'-56"W

111

P.T.

30'

(156+23.69)

60'R

P.T.
156+24.10

P.C.

30'R

N 63°-53'-10"W

86'

30'

P.T.

30'R

80'R

10

44.5'

N 38°-58'-16.12"W

(34+25.99)

P.I.
(155+33.89
(34+10.49)

35'

P.C.

E HARPER AVE. 80 FT. WD. N 63°-38'-09"E

(38+43.98)

E RUSSELL ST. 60 FT. WD. N 26°-11'-18"W

(155+43.86 North)=
(155+36.18 South)

W'BD. TO N'BD. TURNING ROADWAY

P.T. M.L.
8+80.24
(True Sta.)

N 63°-38'-16"W

9

8.5'

P.I. M.L.
8+04.34

N 78°-41'-30.90"E

2.5°

7+35.41

Bridge X01
of 82024B C4

P.C. M.L.
7+28.40

4.5'R

7

41.40'

24'

7+

6

P.C. 3WN
5+95.66

92.60'

+12.16

607

P.T. 2WN & WS
5+11.62

90.82'

+96.18

607

P.I. 2 WN & WS
4+49.86

69.52'

+53.00'

608

P.C. 2WN & WS
3+82.05

4+35.79

4.5'R

83.81'

+13.32

609

S'BD. TO E'BD. TURNING ROADWAY

Bridge S30
of 82251 F

E'BD. TO N'BD. TURNING ROADWAY

168

25

Mistake Lane W→N

Δ = 17°-49'-40.92"
D = 11°-44'-28.42"
R = 487.99'
T = 76.54'
L = 151.84'
E = 5.97'
P.C. = 7+28.40
P.I. = 8+04.94
P.T. = 8+80.24 (True Sta.) P.C.C.

Bridge S25
of 82251 F

Bridge S29
of 82251 F

167

30

+24

W'BD. TO S'BD. TURNING ROADWAY

17

16

15 N 51°-06'-14.25"E

14

13

12

11

10

9

8

P.C. 4 WS
17+17.36

P.T. 3WS
10+25.67

P.T. 3WS
9+78.85

P.I. 3 WN
9+52.42

P.C. 3WS
9+32.03

102.65'

100.71'

100.15'

39.72'

142.32'

100.15'

N 49°-56'-00.09"E

Bridge S27
of 82251 F

166

31

600+31.99
Back Tangent

N'BD. TO W'BD. TURNING ROADWAY

32

596

597

598

599

600

601

602

603

604

605

606

607

608

609

N 48°-43'-17"E

163+38.69
On Tangent

P.I.
600+51.92

165

23

E EDSEL FORD EXPRESSWAY N 48°-43'-17"E

+82.26

+129.05

+55.48

+75.86

+02.44

+66.49

+51.97

+72.11

+13.32

P.I.
596+88.50

CURVE DATA EDSEL FORD

Main Roadway

Δ = 13°-21'-50"
D = 1°-30'-00"
R = 3819.83'
T = 447.51'
L = 890.93'
E = 26.13'
P.C. = 591+60.99
P.I. = 596+08.50
P.T. = 600+51.92

Curve 3WS

Δ = 1°-10'-14.16"
D = 1°-15'-00"
R = 4583.66'
T = 46.83'
L = 93.65'
E = 0.24'
P.C. = 9+32.03
P.I. = 9+78.85
P.T. = 10+25.67

Curve 2WN & WS

Δ = 4°-05'-11.34"
D = 3°-18'-25.55"
R = 1732.51'
T = 61.81'
L = 123.57'
E = 1.10'
P.C. = 3+88.05
P.I. = 4+49.86
P.T. = 5+11.62

Scale 1"=40'

Note:
Survey Stationing shown in brackets thus, ( ).
Bench Marks are on City of Detroit Datum.

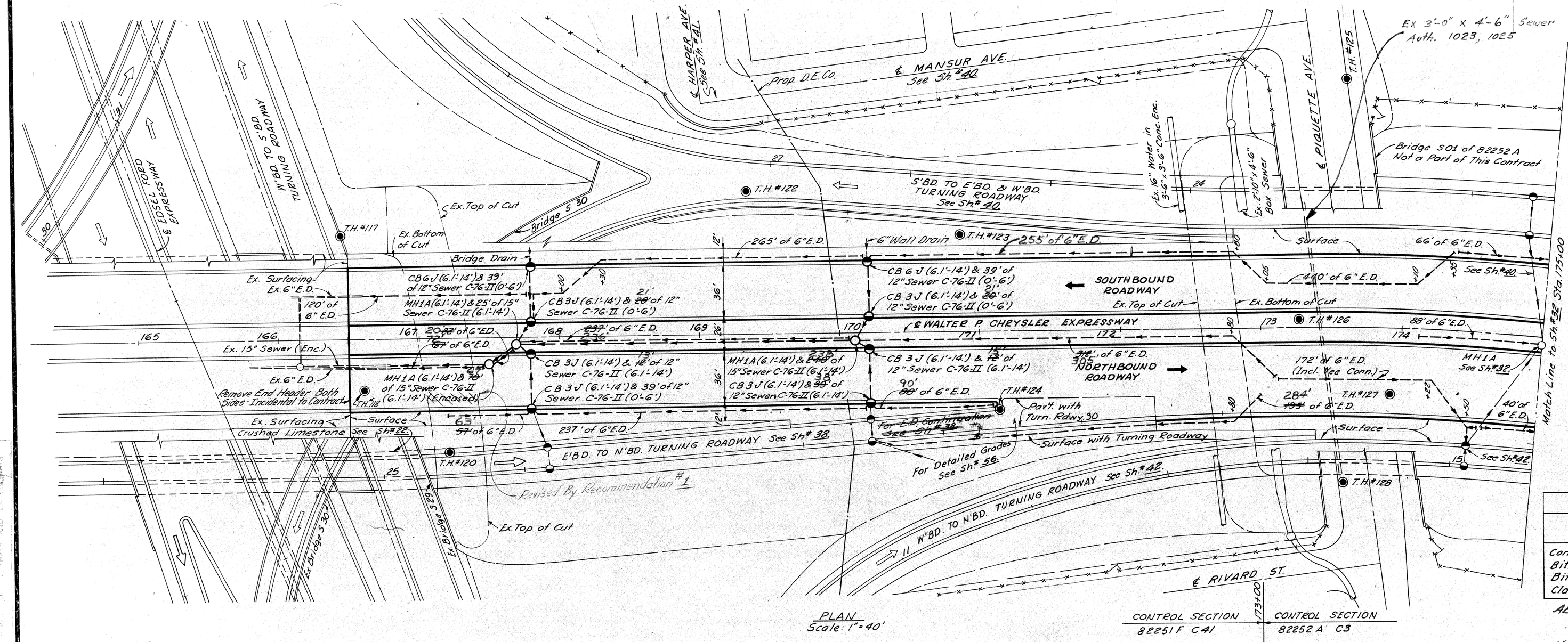
ALIGNMENT OF WESTBOUND FORD TO NORTHBOUND CHRYSLER TURNING ROADWAY, AND WESTBOUND FORD TO SOUTHBOUND CHRYSLER TURNING ROADWAY

FILE NO. USE NO. ABOVE STENCIL	8225IF-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-(82)53	29

SEATTLE OHIMURA

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	30	

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



QUANTITIES THIS SHEET				
ITEM		CONTROL SECTION 82251F	82252A	UNIT
Concrete Roll Curb & Gutter, Detail B	○	~~8499~~	~~6800~~	Lin.Ft.
Bit. Agg. for Shoulders, Conc. Pavt.	○	~~936~~	~~1491~~	Tons
Bituminous Prime Coat	○	~~949~~	~~1417~~	Gals.
Class AA Shoulders (Comp. in Place)	○	~~456~~	~~1198~~	Cu.Yds.

Above deleted by Rec. 21 (C41)

NOTES:

1. For Alignment See Sh.# 23.
2. For Index of Soil Borings (Symbol ◉) See Sh.# 73.
3. For Location of Guard Rail & Traffic Signs See Sh.# 72.
4. For Grading, Seeding & Sodding, See Sh.# 22.

EARTHWORK FOR ROADWAY DRAINAGE (Total For Contract)				
Control Section		82251F	82252A	Unit
Earth Excavation	1343	~~1931~~	8158	Cu. Yd.
Waste		1331 ~~1635~~	8158	Cu. Yd.
Porous Material Grade A (C.I.P.)		~~614~~ 347	4222	Cu. Yd.
Porous Material Grade B (C.I.P.)		~~666~~	2485	Cu. Yd.

Balanced by Rec. 21 (C41)

Sheet 30

All drainage complete, all structures to be cleaned + pointed. Sand subbase partially completed, earth excavation complete. All other work remains to be done. Complete on BI-82251-054

AUTH. # 4-7-65

WALTER P. CHRYSLER EXPRESSWAY ITEMS
STA. 166+50 TO STA. 175+00

J.V. WICKEY 1-65
F. CALTABIANO 1-65
N. MCLEAN 1-65
Allan E. Rogers

FILE NO. USE NO. 350 STENCIL	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
82251F-C41	82251	I-75-1(82)53	30

OPERATION	BY	DATE
SURVEYED		
PLAN PLOTTED		
PLAN CHECKED		
FINAL DESIGN CHECKED		
PROFILE PLOTTED		
PROFILE CHECKED		
PRELIMINARY GRADE		
FINAL GRADE CHECKED		
FEDERAL INSPECTION		

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

1-65 T.V. HICKEY
1-65 W. FOLTZ
1-65 N. MCLEAN
1-65 Arthur E. Pagan

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	31	

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

Proposed Edge of Pav't. Grade & Elevations for West Edge of Northbound Roadway

Existing Edge of Pavement Grade

Prop. Edge of Pavement Grade

6"E.D.@+0.90%

6"E.D.@+0.40%

6"Wall Drain Inlet 130.8

Inlet 130.3

Outlet 130.0

Inv. 131.3

Inv. 132.1

Inv. 132.3

Inv. 132.7

Inv. 133.0

Inv. 133.4

See Sh. #33

Exist. E.D.

Inv. 127.5

Outlet 127.8

Inv. 128.2

Inv. 128.9

Inv. @ Bend 128.7

6" Bridge Drain Inlet 128.5

Control Section 82251F-C41

Control Section 82252A-C3

456.13' Superelevation Transition

Beginning of Subbase Placement @ Sta. 166+60

Beginning of Pavement Construction @ Sta. 166+50

Existing Top of Pavement Grade

Prop. Top of Pavement Grade

Exist. Lane ¼ Slope

280' V.C.

-0.50%

Exist. Bottom of Cut Sta. 172+85

For Details of M.H. See Sh. #32

Bottom of Ex. Cut Sta. 166+97

Exist. E.D.

Inv. 127.6

6"E.D.@+0.90%

Inlet 128.2

Inlet 128.4

Inlet 127.2

Inlet 126.8

Outlet 126.14 = Floor

15" Sewer @ +0.90% (Encased)

15" Sewer @ +0.60%

Front Outlet 125.76

Inlet 125.96

Inv. 125.13

Exist. 15" Sewer (Encased)

Relaid By Reconstruction

Prop. D.E.Co. Duct Run Bot. El. 122.0

Outlet 128.78 = Floor

Inlet 130.5

Inlet 127.7B

Inv. 131.5

Inv. 132.2

Inv. 132.4

Ex. 2'-10"x4'-6" Comb. Box Sewer

Inv. 127.27

Exist. 3'-6"x3'-6" Eric. Water Main Bottom El. 122.0

Outlet 128.2

Inlet 128.4

126.3

Inlet 127.2

Outlet 127.0

125.1

Outlet 128.5

Inlet 127.6

Outlet 127.4

127.9

125.28

Inlet 128.5

Outlet 129.6

Inlet 129.8

127.9

Inlet 128.0

Inlet 127.6 from C.B. in Turning Rdwy. See Sh. #38

Outlet 127.4

123.6

Inlet 130.0

127.1

Outlet 128.8

Inlet 129.0 From T.R.C.B See Sh. #38

Invert 130.2 For Continuation See Sh. #38

Note @ ± 10.46 Main Rdwy. 135.67 Turn Point 135.13

Inv. 130.9

Inv. 131.0

Inv. 131.1

Inv. 130.0

Inv. 129.9

Inv. 129.8 @ "Y"

Inlet 76 C.B. 129.7 See Sh. #42

Inv. 129.8 See Sh. #42

Proposed Edge of Pav't. Grade & Elevations for East Edge of Northbound Roadway

Existing Edge of Pavement Grade

Prop. Edge of Pavement Grade

6"E.D.@+0.90%

6"E.D.@-0.40%

Inlet 128.0

Outlet 127.4

123.6

Inlet 127.2

Outlet 127.0

125.1

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

5ta. 166+97 to 5ta. 175+00	Control 82251F	Section 82252A	Unit
EARTH EXCAVATION	~~65456~~	~~1891~~	Cu. Yd.
LOSSES	63,188	1142	
Embankment +25%			
This Sheet ..... 59 + 15 = 74			
Removal Sh.# 17 ..... 117 + 29 = 146			
Removal Sh.# 18 ..... 94 + 24 = 118			
Grading Plan Sh.# 22 ..... 3611 + 903 = 4,514			
SW Turning Rdwy Sh.# 21 ..... 8434 + 2,109 = 10,543			
Select Yellow Clay (C.F.P.)			
Drainage This Sheet ..... ~~45~~ ~~28~~			
Removal Sh.# 17 187			
Removal Sh.# 18 ..... 571 ~~937~~			
Sanitary Sewers ..... ~~88~~		1142	
Total Losses ..... ~~16,589~~	~~16,589~~	~~1142~~	
WASTE 16,399	~~48,927~~	~~1891~~	Cu. Yd.
5ta. 166+60 to 5ta. 175+00	~~4,642~~ 4,642	1435	
SUBBASE (Comp. in Place) Rec. 21 (C41)	~~4441~~	~~1492~~	Cu. Yd.
SELECTED SUBBASE 2A Rec. 21 (C41)	~~1462~~	~~806~~	Tons

WALTER P. CHRYSLER EXPRESSWAY PROFILES
STA. 166+50 TO STA. 175+00

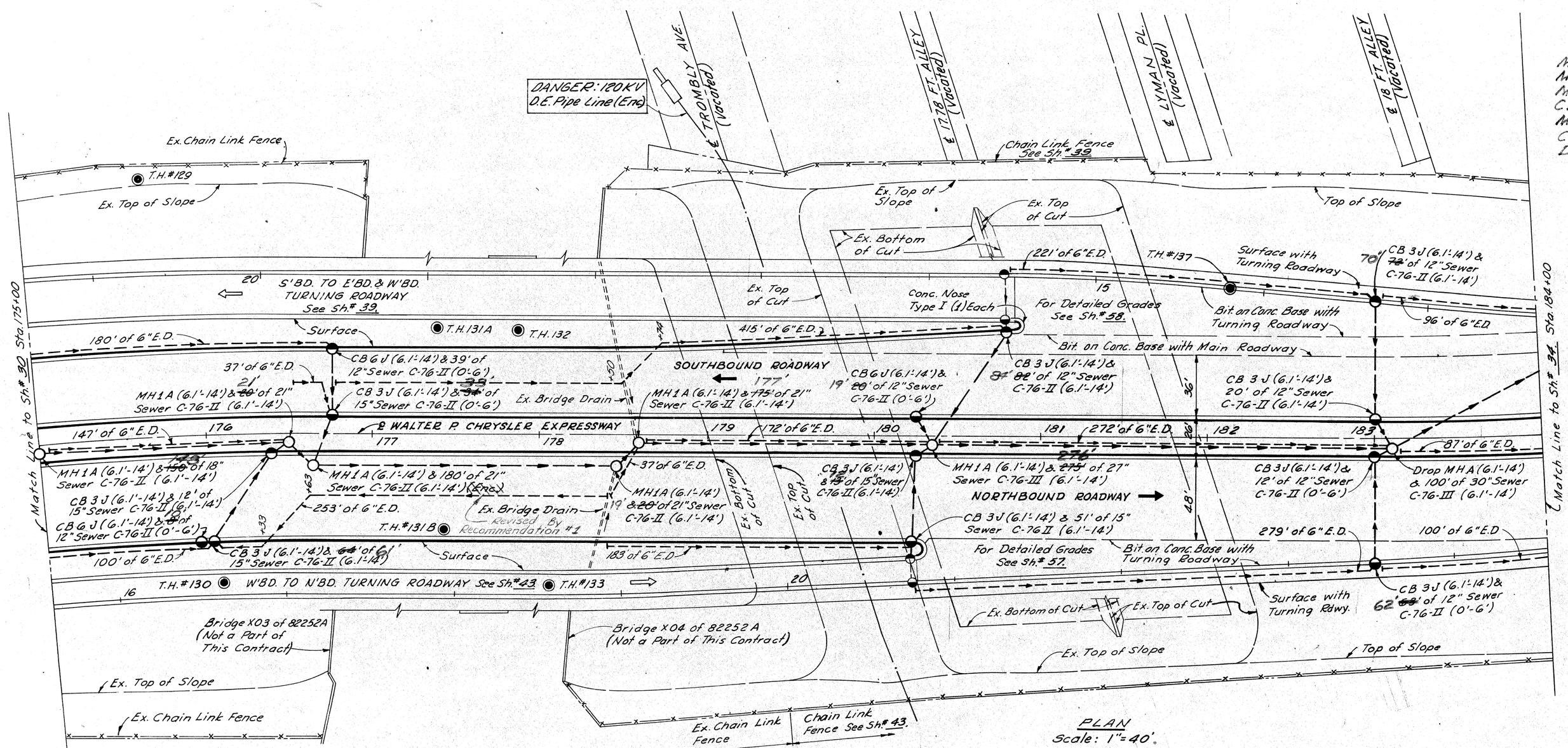
FILE NO. CASE NO. 350 STENCIL	8225IF-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	31

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(80)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	32	

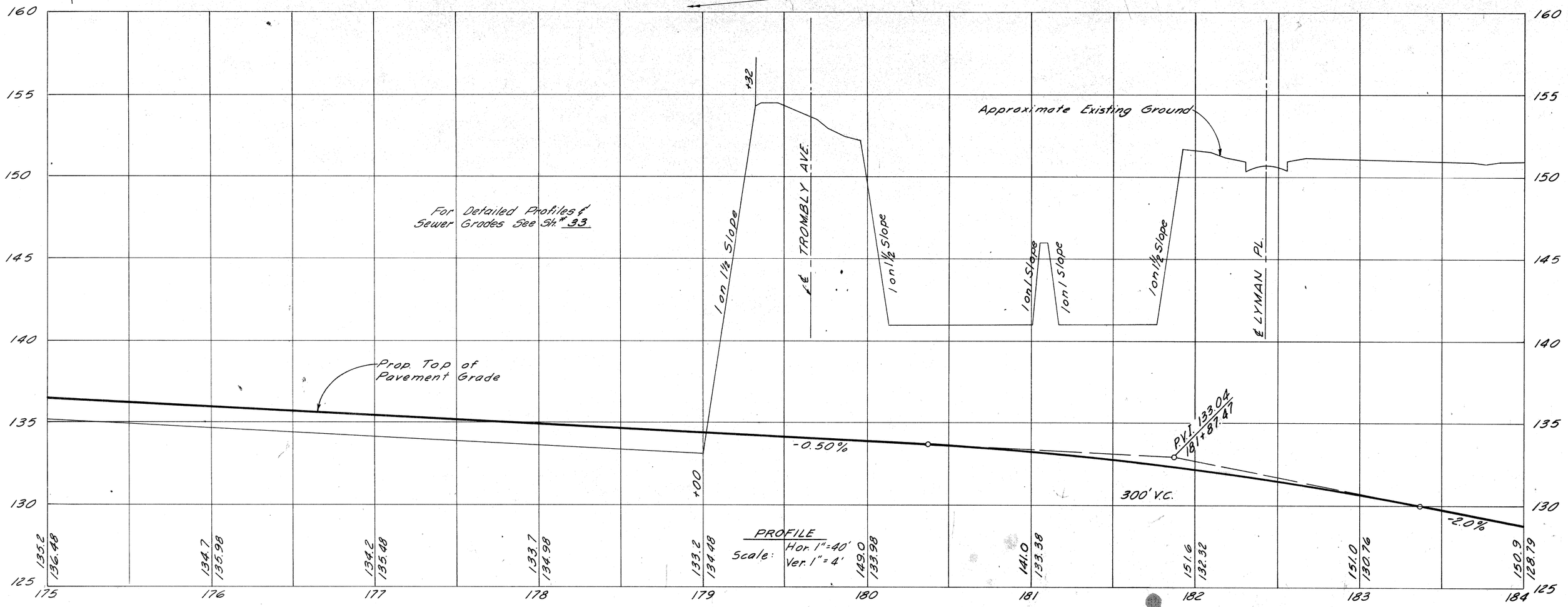
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

Notes Apply B1-82251-054

MH1A-176+64	No Grate
MH1A-178+44	Grate in Structure
MH1A-178+50	No Grate
CB3J-180+23	Grate in Structure
MH1A-180+35	No Grate
CB3J-183+00	Grate in Structure
DMH4-183+10	No Grate



PLAN
Scale: 1"=40'.



PROFILE
Scale: Hor. 1"=40'
Ver. 1"=4'

QUANTITIES THIS SHEET

Concrete Roll Curb & Gutter, Detail B	~~0.929~~ Lin Ft.
Bituminous Concrete Leveling Course	0 ~~39~~ Tons
Bituminous Concrete Wearing Course, 3 1AA	0 ~~88~~ Tons
Bit. Aggregate for Shoulders, Conc. Pavement	~~0.998~~ Tons
Bituminous Bond Coat	0 ~~111~~ Gals.
Bituminous Prime Coat	0 ~~1,366~~ Gals.
Class AA Shoulders (Comp. in Place)	0 ~~651~~ Cu. Yds.

Deleted by R-37

NOTES:
1. For Alignment See Sh.# 24
2. For Index of Soil Borings (Symbol ◉) See Sh.# 73
3. For Location of Guard Rail & Traffic Signs See Sh.# 72

Sheet 32
All drainage completed.
Sand subbase partially complete.
Excavation complete.
All other work remains to be done.

ALL WORK THIS SHEET
CONTROL SECTION 82252A-C3

AUTH # 4-7-65

WALTER P. CHRYSLER EXPRESSWAY ITEMS
STA. 175+00 TO STA. 184+00

SQUAD LEADER	J.V. HICKEY	1-65
CHKD. BY	E. CALTABIANO	1-65
TRACED BY	N. McLEAN	1-65
CHECKED BY		
APPROVED		1-65

FILE NO. USE NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-(80)53	32

WALTER P CHRYSLER
EXPRESSWAY PROFILES
STA. 175+00 TO STA. 184+00

FILE NO	STATE PROJECT	FEDERAL PROJECT	SHEET NO
NO SCALE	82251	F-(83)53	33

All Work this Sheet State Project 82252 A C3

Sta 175+00 to Sta 184+00

EARTH EXCAVATION	67163 Cu Yds
LOOSE	
Embankment + 25%	
Remove, Sh # 19	55-14-69
Select Yellow Clay (C.I.P)	
Drainage Thin Sheet	172
" " " 21	
Remove Sh # 19	21
Total Losses	266
WASTE	66,901 Cu Yds
SUBBASE (Comp. in Place)	5901 ~~1877~~ Cu Yds
SELECTED SUBBASE 24A	~~2662~~ 0 Tons

| | | |

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	city	SHEET NO	TOTAL SHEETS
	82251	Wayne	Detroit	34	

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

CB3J 186+00 - Damage to be repaired-BI-82252AC2
CB6J 186+00 West - No frame or cover
CB3J 194+00 West- " " " "
CB3J 194+00 East- " " " "

Chain Link Fence See Sh.# 39
Sodding with Turning Roadway See Sh.# 39
Surface with Turning Rdwy.
Bit. on Conc. Base with Turning Rdwy Sh.# 39
For Detailed Grades See Sh.# 58
Bit. on Conc. Base with Main Roadway
52' of ~~54'~~ of 30" Sewer C-76-III (6.1'-14')
T.H. #140
E. MILWAUKEE AVE. See Sh.# 50
Revised By Recommendation #1
Auth. 1010
T.H. #141
E. WEST SERVICE DRIVE (Not a Part of This Contract)
Chain Link Fence (Not a Part of This Contract)
Limit of Sodding *
54' of 6" E.D.
CB6J (6.1'-14') & 7' of 12" Sewer C-76-II (0'-6')
Sodding, Not a Part of This Contract
CB3J (6.1'-14') & ~~8~~ of 12" Sewer C-76-II (0'-6')
162' of 6" E.D.
Drop MH A (6.1'-14') & ~~55~~ of 30" Sewer C-76-III (6.1'-14') & ~~100~~ ~~of 30" Sewer C-76-III (6.1'-14')~~ (Tee)
Ex. Stub (Remove Plug)
Ex. Stub
Surface
Bottom of Cut
MH1A (6.1'-14') & ~~65~~ of 30" Sewer C-76-III (6.1'-14') & ~~of 30" Sewer C-76-III (6.1'-14')~~ (Tee)
164' of 6" E.D. (Incl. Dbl. Tee)
T.H. #145
T.H. #150
Bridge X05 of 82252A & Pumping Station D01 of 82252A, Not a Part of This Contract
T.H. #144
T.H. #151
245' of 6" E.D.
SOUTHBOUND ROADWAY
E. WALTER P. CHRYSLER EXPRESSWAY
NORTHBOUND ROADWAY
Match Line to Sh.# 32 Sta. 184+00
T.H. 141A
Bit. on Conc. Base with Turning Rdwy See Sh.# 43
For Detailed Grades See Sh.# 57
212' of 6" E.D.
CB6J (6.1'-14') & 53' of 12" Sewer C-76-II (0'-6')
CB3J (6.1'-14') & 23' of 12" Sewer C-76-II (0'-6')
214' of 6" E.D.
Ex. Double Tee
247' of 6" E.D.
Drop MH A (14.1'-25') & 80' of 36" Sewer C-76-III (6.1'-14')
308' of 6" E.D.
Ex. Double Tee
218' of 6" E.D.
Surface with Turning Rdwy.
Sodding with Turning Rdwy. See Sh.# 43
Chain Link Fence See Sh.# 43
Limit of Sodding *
Top of Cut
Surface
Bridge S03 of 82252A (Not a Part of This Contract)
Sodding, (Not a Part of This Contract)
Chain Link Fence, (Not a Part of This Contract)
Bridge S02 of 82252A
T.H. 141B
DANGER: 120 KV D.E. Pipe Line (Enc.)
T.H. #154
Ex. Sodding
Ex. Top of Cut
Ex. Bottom of Cut
CB6J (6.1'-14') & 52' of 15" Sewer C-76-II (0'-6')
Ex. 24" Gas Line
Ex. 24" Enc. Water Main
D.E. Co. M.H.
Chain Link Fence
(2) 12' Drive Gates for 48" Chain Link Fence
Surface 32' Shoulder
E. EAST GRAND BLVD. (Not a Part of This Contract)
Existing Chain Link Fence
Place End Post
E. WEST SERVICE DRIVE See Sh.# 48
Omit Shoulder Surface
Top of Slope
Sodding
Ex. Top of Cut
CB 3J (6.1'-14') & 58' of 15" Sewer C-76-II (0'-6')
Surface with Ramp See Sh.# 45
Ex. Bottom of Cut
287' of 6" E.D.
CB 3J (6.1'-14') & 65' of 12" Sewer C-76-II (0'-6')
102' of 6" E.D.
For Detailed Grades See Sh.# 62
Bit. on Conc. Base with Ramp See Sh.# 45
Ex. Stub (Remove Plug)
To be completed
MH1A (6.1'-14') & 45' of 36" Sewer C-76-III (6.1'-14')
42' of 6" E.D.
CB 3J (6.1'-14') & 12' of 15" Sewer C-76-II (6.1'-14')
CB 3J (6.1'-14') & 19' of 15" Sewer C-76-II (6.1'-14')
287' of 6" E.D.
CB 3J (6.1'-14') & ~~42~~ of 12" Sewer C-76-II (6.1'-14')
MH1A (14.1'-25') & ~~295~~ of 36" Sewer C-76-III (6.1'-14')
CB 3J (6.1'-14') & 71' of 12" Sewer C-76-II (0'-6')
For Detailed Grades See Sh.# 60
Surface with Ramp See Sh.# 44
287' of 6" E.D.
Ex. Bottom of Cut
Ex. Top of Cut
MH1A (14.1'-25') (Tee) ~~102~~ of 6" E.D.
5' of 6" E.D.
MH1A (14.1'-25') ~~107~~ ~~105~~ of 36" Sewer (14.1'-25') (Tee) ~~102~~ of 6" E.D.
1022
CB 3J (6.1'-14') & ~~10~~ of 12" Sewer C-76-II (6.1'-14')
Bit. on Conc. Base with Main Rdwy.
Bit. on Conc. Base with Ramp See Sh.# 45
92' of 6" E.D.
Conc. Nose Type I, 1 Each
Top of Slope
Match Line to Sh.# 36 Sta. 195+00
CB 3J (6.1'-14') & ~~71~~ of 12" Sewer C-76-II (6.1'-14')
8' of 6" E.D.
6" E.D. with Ramp See Sh.# 44
Chain Link Fence
D.E. Co. M.H.
(2) 6' Walk Gate for 48" Chain Link Fence
E. EAST SERVICE DRIVE See Sh.# 46

PLAN
Scale: 1" = 40'

* Sodded-BI-82252AC2

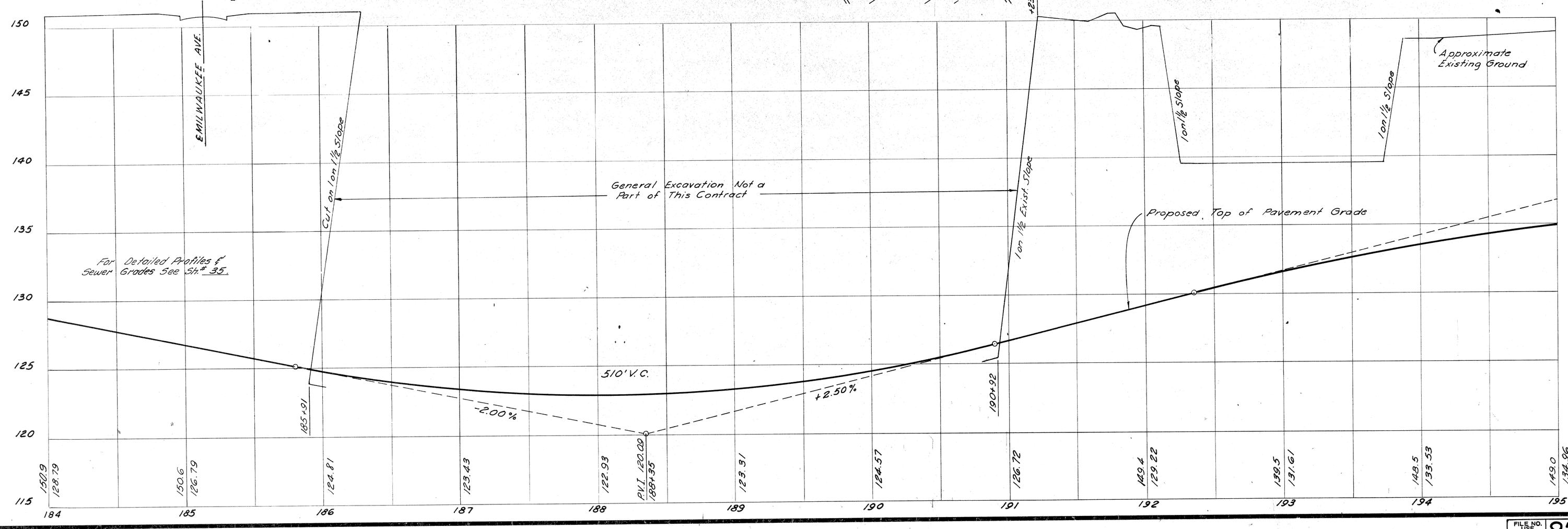
QUANTITIES THIS SHEET

Concrete Roll Curb & Gutter, Detail B . . . ~~3348~~ Lin. Ft.
Bit. Agg. for Shoulders, Concrete Pavement . . ~~387~~ Tons
Bit. Bond Coat . . . . ~~104~~ Gals.
Bit. Prime Coat . . . ~~1348~~ Gals.
Class AA Shoulders (Compacted in Place) . . ~~634~~ Cu. Yds.
Class A Sodding . . . ~~5825~~ Sq. Yds.
48" Chain Link Fence ~~765~~ Lin. Ft.
6' Walk Gates for 48" Chain Link Fence . . . ~~4~~ Each
12' Drive Gates for 48" Chain Link Fence . . . ~~2~~ Each
Bit. Conc. Leveling Course ~~58~~ Tons
Bit. Conc. Wearing Course, 3 IAA ~~39~~ 78 Tons
Deleted by Rec. 37

NOTES:
1. For Alignment See Sh.# ~~25~~ 25 & Sh.# 26
2. For Index of Soil Borings (Symbol ◉) See Sh.# 73
3. For Location of Guard Rail & Traffic Signs See Sh.# 72

ALL WORK THIS SHEET CONTROL SECTION 82252A-C3

AUTH # 4-7-65



WALTER P. CHRYSLER EXPRESSWAY ITEMS
STA. 184+00 TO STA. 195+00

J.V. WICKEY 1-65
F. CALTABIANO 1-65
N. McLEAN 1-65
Allan E. Logan 1-65

FILE NO. USE NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	34

FILE NO.	8225IF-C 41	35
NO. 580 STENCIL	STATE PROJECT 822511	FEDERAL PROJECT I-151(82)53

WALTER P CHRYSLER EXPRESSWAY PROFILES STA. 184+00 TO STA. 195+00

All Work this sheet State Project 82252 A C3

EARTH EXCAVATION	63,719 CU.YDS.
Embankment +25%	103,575
This Sheet	101 + 35 = 176
Removal Sta #20	625+156 = 781
C.S.O. Sta #46	246+62 = 308
Select Yellow Clay (C.I.P)	
Drainage This Sheet	303
Removal Sta #20	18
Total Losses 12.5%	1,615 CU.YDS.
WASTE	2,454 CU.YDS.
SUBBASE (Comp in Place)	2620 CU.YDS.
SELECTED SUBBASE 24A	0 TONS

B. P. R. DIV. NO.	4	STATE	MICH.	PROJ. NO.		FISCAL YEAR	SHEET NO.
ROUTE		STATE PROJECT	82251	COUNTY	Wayne	CITY	Detroit

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

SURVEYED	OPERATION	BY
PLAN PLOTTED	PRELIMINARY R. O. W. CHECKED	
PLAN CHECKED	FINAL DESIGN CHECKED	
PROFILE PLOTTED	TRACED	
PROFILE CHECKED	DESIGN CHECK	
PRELIMINARY GRADE	QUANTITIES	
GRADE INSPECTION	QUANTITIES CHECKED	
FINAL INSPECTION	SQUAD	

J.V. HUCKEY
M. MOLITO
N. McLEAN
Aug. 5, 1965

1-65
1-65
1-65
1-65

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

Proposed Edge of Pavement Grade & Elevations for Slope Edge of Northbound Roadway

Proposed Edge of Pavement Grade & Elevations for Slope Edge of Southbound Roadway

500' Superelevation Transition From Sta. 178+7830 to Sta. 184+7830

Superelevation = 0.05 ft

500' Superelevation Transition From Sta. 186+8745 to Sta. 191+8745

Superelevation = 0.05 ft

Proposed Top of Pavement Grade

Proposed Edge of Pavement Grade

Proposed Edge of Pavement Grade

Proposed Top of Pavement Grade

Proposed Top of Pavement Grade

Proposed Edge of Pavement Grade

Proposed Edge of Pavement Grade

Proposed Edge of Pavement Grade

Proposed Top of Pavement Grade

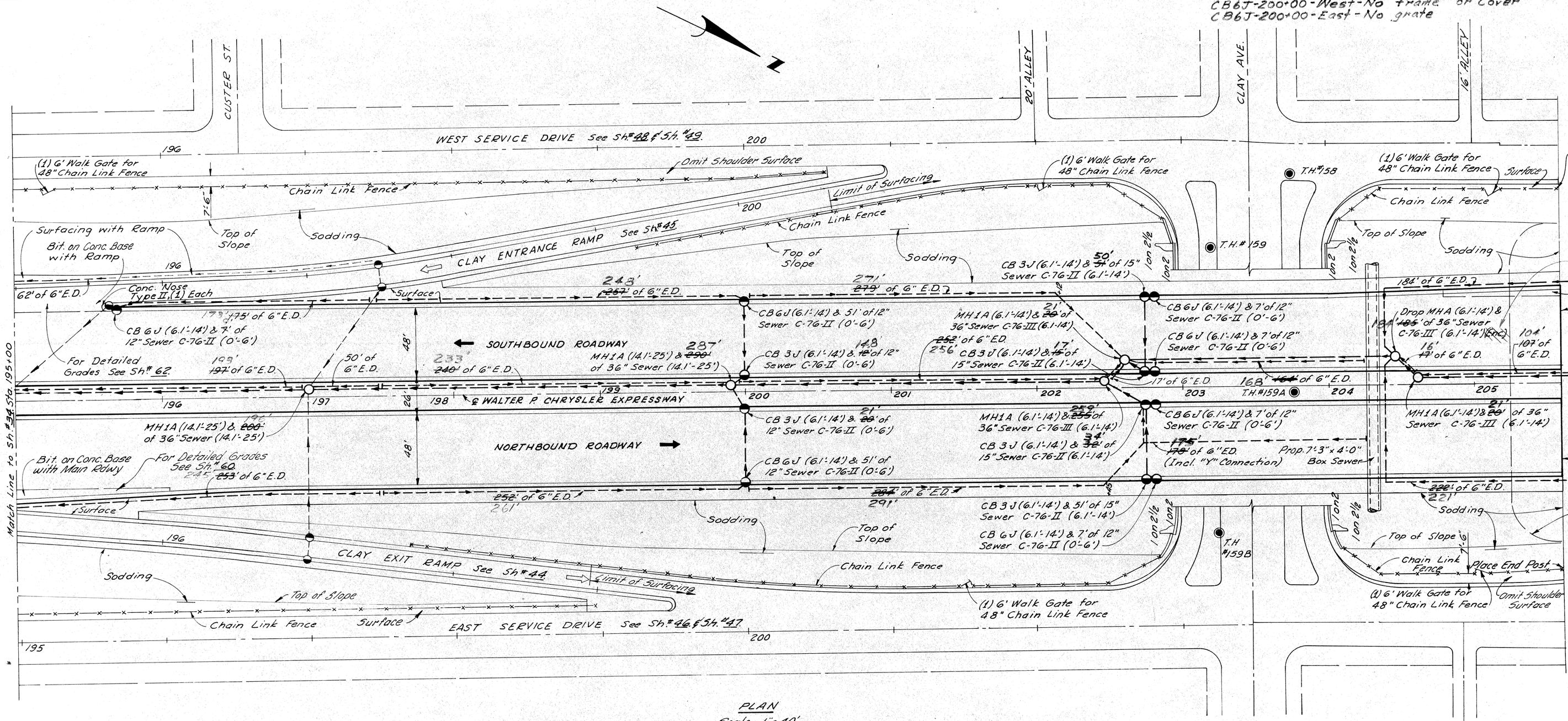
Proposed Top of Pavement Grade

Proposed Top

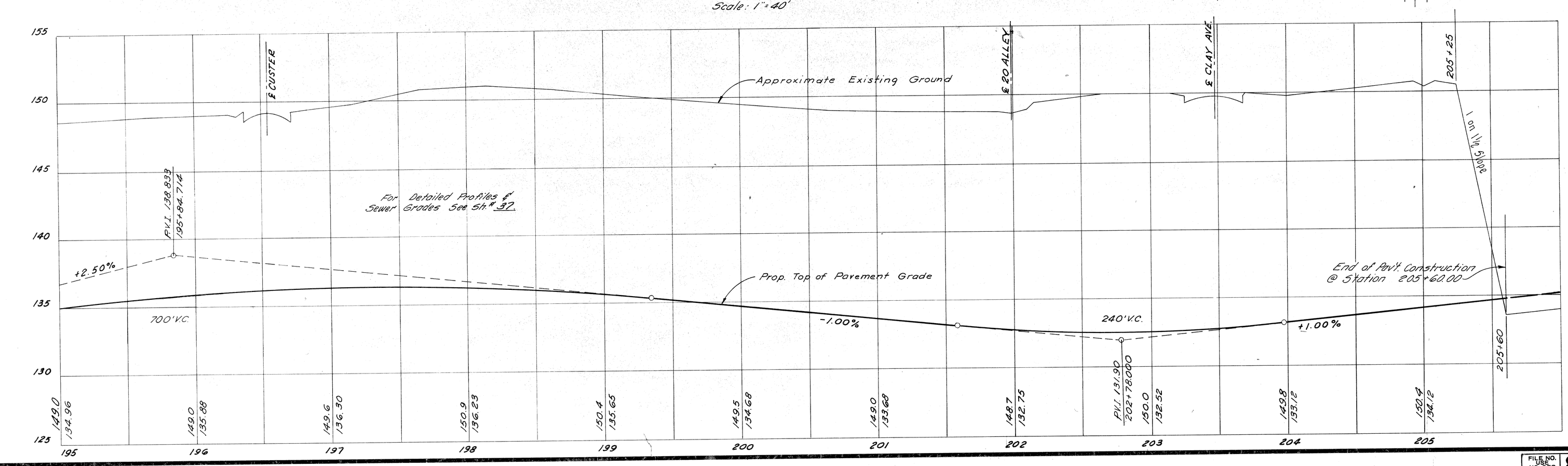
CB6J-195+70 - Structure damaged
CB6J-200+00 - West - No frame or Cover
CB6J-200+00 - East - No grate

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	36	

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



PLAN
Scale: 1" = 40'



QUANTITIES THIS SHEET

Concrete Roll Curb & Gutter, Detail B	~~1177~~ Lin. Ft.
Bit. Conc. Leveling Course	~~5~~ Tons
Bit Conc. Wearing Course, 3 1AA	~~8~~ Tons
Bit. Agg. for Shoulders, Conc. Pav't.	~~124~~ Tons
Bituminous Bond Coat	~~76~~ Gals.
Bituminous Prime Coat	~~1744~~ Gals.
Class AA Shoulders (Comp. in Place)	~~801~~ Cu. Yds.
Class A Sodding	~~3376~~ Sq. Yds.
48" Chain Link Fence	~~1146~~ Lin. Ft.
6' Walk Gate for 48" Chain Link Fence	~~5~~ Each

Deleted - Rec. 37

NOTES:
1. For Alignment See Sh# 26.
2. For Index of Soil Borings (Symbol ◉) See Sh# 73.
3. For Location of Guard Rail & Traffic Signs See Sh# 72.

ALL WORK THIS SHEET CONTROL SECTION 82252A-C3

ALITH # 4-7-65

WALTER P. CHRYSLER EXPRESSWAY ITEMS
STA. 195+00 TO STA. 205+60

J.V. WICKEY 1-65
F. CALTABIANO 1-65
N. MCLEAN 1-65
Allen E. Hogan

FILE NO. USE NO. 350 SYENGIC	8225IF-C 41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	36

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	37	

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

All Work this sheet State Project 82252 A C3

Sta. 195+00 to Sta. 205+60

EARTH EXCAVATION ..... 118,757 Cu. Yds.

LOSSES

Embankment +25%

This Sheet ..... 25 + 6 = 31

Removal Sh. #21 ..... 136 +34 = 170

W.S.D. Sh. #48 ..... 64 + 16 = 80

Select Yellow Clay (C.I.P.)

Drainage This Sheet 952

Removal Sh. #21 701

Sanitary Sewers 112

Total Losses 2,046 2,046

WASTE ..... 116,711 Cu. Yds.

Sta. 195+00 to Sta. 205+70

SUBBASE (Comp. in Place) 20827914 Cu. Yds.

SELECTED SUBBASE 2NA 0 2,940 Tons

OPERATION	BY	DATE
SURVEYED		
PLAN DRAWN		
PLAN CHECKED		
PROFILE PLOTTED		
PROFILE CHECKED		
PRELIMINARY R.O.W.		
GRADE INSPECTION		
FEDERAL INSPECTION		

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

1-65 J.V. WICKEY
1-65 N. POLITO
1-65 N. McLEAN
1-65 Allen E. Ferguson

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

WALTER P. CHRYSLER EXPRESSWAY PROFILES STA. 195+00 TO STA. 205+60

AUTH # 4-7-65

FILE NO. USE NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	37

FILE NO.	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
82251F-C41	82251	I-79-1(80)58	38

PLAN AND PROFILE FOR EASTBOUND TO NORTHBOUND TURNING ROADWAY STA.25+00 TO STA. 30+51.84

ALL WORK THIS SHEET CONTROL SECTION 82251F-C41

B. P. R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-79-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	38	

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

QUANTITIES THIS SHEET

Concrete Curb & Gutter, Detail A ..... ~~440~~ 0 Lin. Ft.
Concrete Roll Curb & Gutter, Detail B ..... 656 Lin. Ft.
Bit. Agg. for Shoulders, Conc. Pvmt. ..... ~~98~~ 0 Tons
Bituminous Prime Coat ..... ~~152~~ 0 Gals.
Class AA Shoulders (Comp. in Place) ..... ~~75~~ 0 Cu. Yds.

Deleted by Rec. 21

NOTES:

1. For Alignment See Sh. # 29
2. For Grading, Including Seeding & Sodding, See Sh. # 22
3. For Index of Soil Borings (Symbol ◉) See Sh. # 28
4. For Location of Traffic Sign Foundations See Sh. # 72

PLAN
Scale: 1"=40'

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

Existing Pavement

Concrete Ramp Pavement, 10" Uniform

Approximate Ground Profile of Proposed East Edge of Turning Roadway Pavement

Approx. Ground Profile

Proposed West Edge of Turning Roadway Pavement

Ex. 6" C.I. Water Main with 5' Encasement Sq.

Ex. 16" Water Main with 5' Encasement Sq.

E. of WALTER P CHRYSLER EXPRESSWAY

NORTHBOUND ROADWAY
See Sh. # 30

E.P. TO N.B.D. TURNING ROADWAY

W.B.D. TO N.B.D. TURNING ROADWAY See Sh. # 32

Ex. W.B.D. TO S.B.D. TURNING ROADWAY Ex. Bridge S.B.D. over E.B.D.

Top of Slope

Surface

Shoulder with Expwy

Ex. Rdwy

Ex. Top of Cut

Ex. Bot. of Cut

Ex. Crushed Limestone

Remove End Header Incidental to Conduit Construction Under Prior Contract

Ex. M.H.

Ex. Rdwy

Ex. Top of Cut

Ex. Bot. of Cut

Begin Pvmt. Construction @ Sta. 25+00

Begin Pvmt. Construction @ Sta. 29+37.63

Begin Pvmt. Construction @ Sta. 29+39.88

Begin Pvmt. Construction @ Sta. 25+10

Begin Pvmt. Construction @ Sta. 29+38.88

Begin Placement of Subbase @ Sta. 25+10

Begin Placement of Subbase @ Sta. 29+38.88

Prop. DE Co. Etc. Conduit Bot. El. 123.0

DE. Co. Etc. Conduit

For Detailed Grades See Sh. # 26

For Detailed Grades See Sh. # 26

Outlet 128.2

Outlet 128.1

Outlet 127.8

Inlet 129.3

Inlet 128.0

Inlet 129.7

Outlet 129.5

Inlet 129.7 See Cont for Sh. # 31

Inlet 129.7 See Sh. # 31

Inv. 130.2

Inv. 128.8

Outlet 128.2

Inlet 129.X

Inv. 128.7

6" E.D @ +0.4%

6" E.D @ +0.4%

6" E.D @ +0.4%

6" E.D @ +0.4%

6" E.D See Sh. # 30

Ex. 6" E.D. Inv. 128.5

+0.60%

+0.50%

+0.20%

+0.22%

+0.30%

+0.50%

+0.20%

+0.50%

+0.20%

+0.50%

+0.00%

+0.50%

+0.00%

+0.50%

+0.00

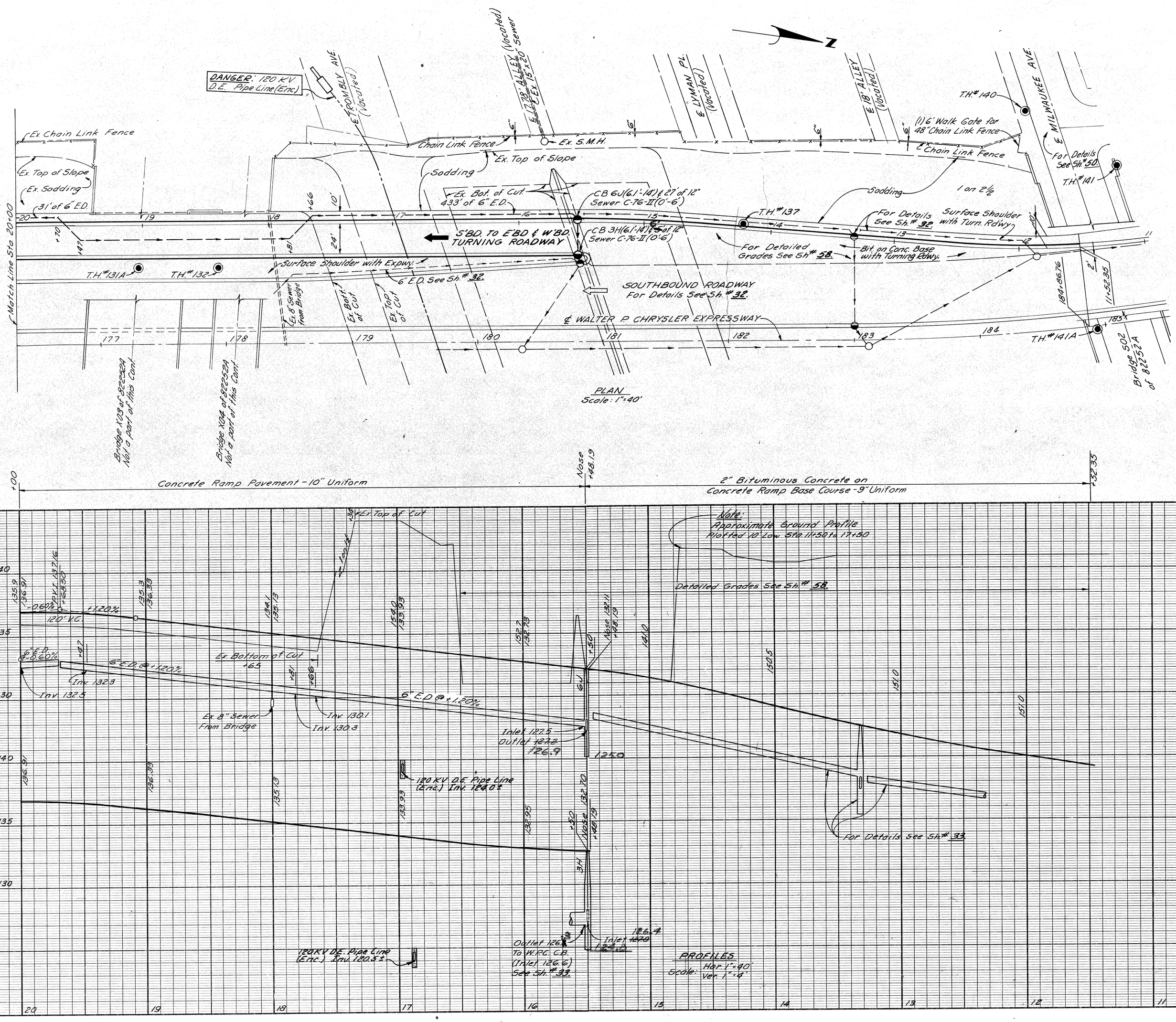
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	39	

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

OPERATION	BY	DATE
PRELIMINARY R. O. W. OKECKED		
FINAL DESIGN		
FINAL DESIGN CHECKED		
TRACED	E.M. Pollock 1-65	
FINAL R. O. W. CHECK		
QUANTITIES		
QUANTITIES CHECKED		
SQUAD		

OPERATION	BY	DATE
SURVEYED		
PLAN PLOTTED		
PLAN CHECKED		
PROFILE PLOTTED		
PROFILE CHECKED		
PRELIMINARY GRADE		
GRADE INSPECTION		
CLERICAL INSPECTION		

J.V. Hickey 1-65
E. Falcon 1-65
R. Comly 1-65
Allen E. Sayers 1-65



QUANTITIES THIS SHEET

Concrete Curb & Gutter, Detail A	~~458~~ Lin. Ft.
Concrete Roll Curb & Gutter, Detail B	~~848~~ Lin. Ft.
Bit. Conc. Leveling Course	~~62~~ Tons
Bit. Conc. Wearing Course, 3 1AA	~~95~~ Tons
Bit. Agg. for Shoulders, Conc. Pavt.	~~59~~ Tons
Bituminous Bond Coat	~~177~~ Gals.
Bituminous Prime Coat	~~642~~ Gals.
Class AA Shoulders (Comp. in Place)	~~715~~ Cu. Yds.
Class A Sodding	~~3300~~ 3907 Sq. Yds.
48" Chain Link Fence	~~603~~ 619 Lin. Ft.
6' Walk Gate for 48" Chain Link Fence	1 Each

Rec. 37

Notes:
1. For Alignment See Sh. # 24.
2. For Index of Soil Borings (Symbol ◉) See Sh. # 73.
3. For Location of Traffic Sign Foundations & Guard Rail See Sh. # 76.

ALL WORK THIS SHEET
CONTROL SECTION 82252A-C3

Sta. 15+48.19 to Sta. 20+00	
EARTH EXCAVATION	6541 Cu. Yds.
WASTE	6541 Cu. Yds.
SUBBASE (Comp. in Place)	~~6300~~ 6309 Cu. Yds.
SELECTED SUBBASE 2AA	~~6348~~ Tons

PLAN AND PROFILE FOR SOUTHBOUND TO EASTBOUND AND WESTBOUND TURNING ROADWAYS STA. 11+52.35 TO STA. 20+00

FILE NO. USE NO. 350 STENCIL	8225IF-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	39

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(92)S-3			
ROUTE	STATE PROJECT	COUNTY	city	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	40	

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

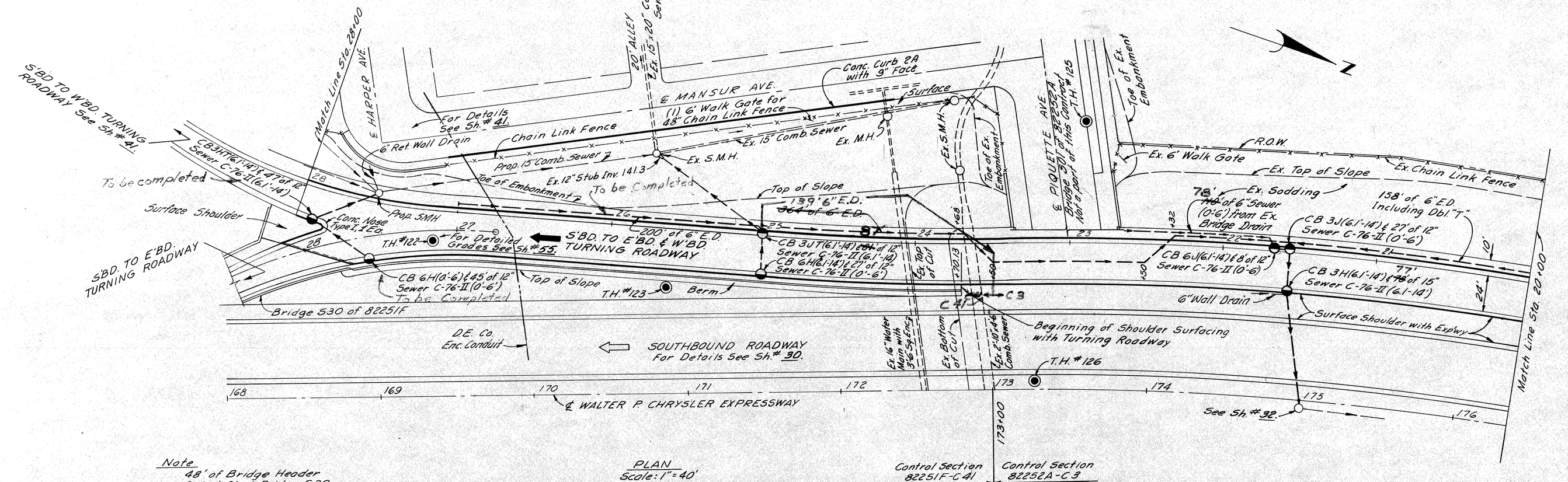
OPERATION	BY	DATE
PRELIMINARY P.G. W. CHECKED		
FINAL DESIGN		
FINAL DESIGN CHECKED		
PROFILE PLOTTED	E. Palaich	3-66
PROFILE CHECKED		
FINAL P. G. W. CHECK		
QUANTITIES		
QUANTITIES CHECKED		
SQUAD		

OPERATION	BY	DATE
SURVEYED	J.V. WICKEY	1-65
PLAN PLOTTED	E. PALAICH	1-65
PLAN CHECKED	R. DESTAFFE	1-65
PROFILE PLOTTED	Allen E. Hagen	1-65
PROFILE CHECKED		
PRELIM. P. G. W. CHECK		
FINAL P. G. W. CHECK		
FEDERAL INSPECTION		

QUANTITIES THIS SHEET

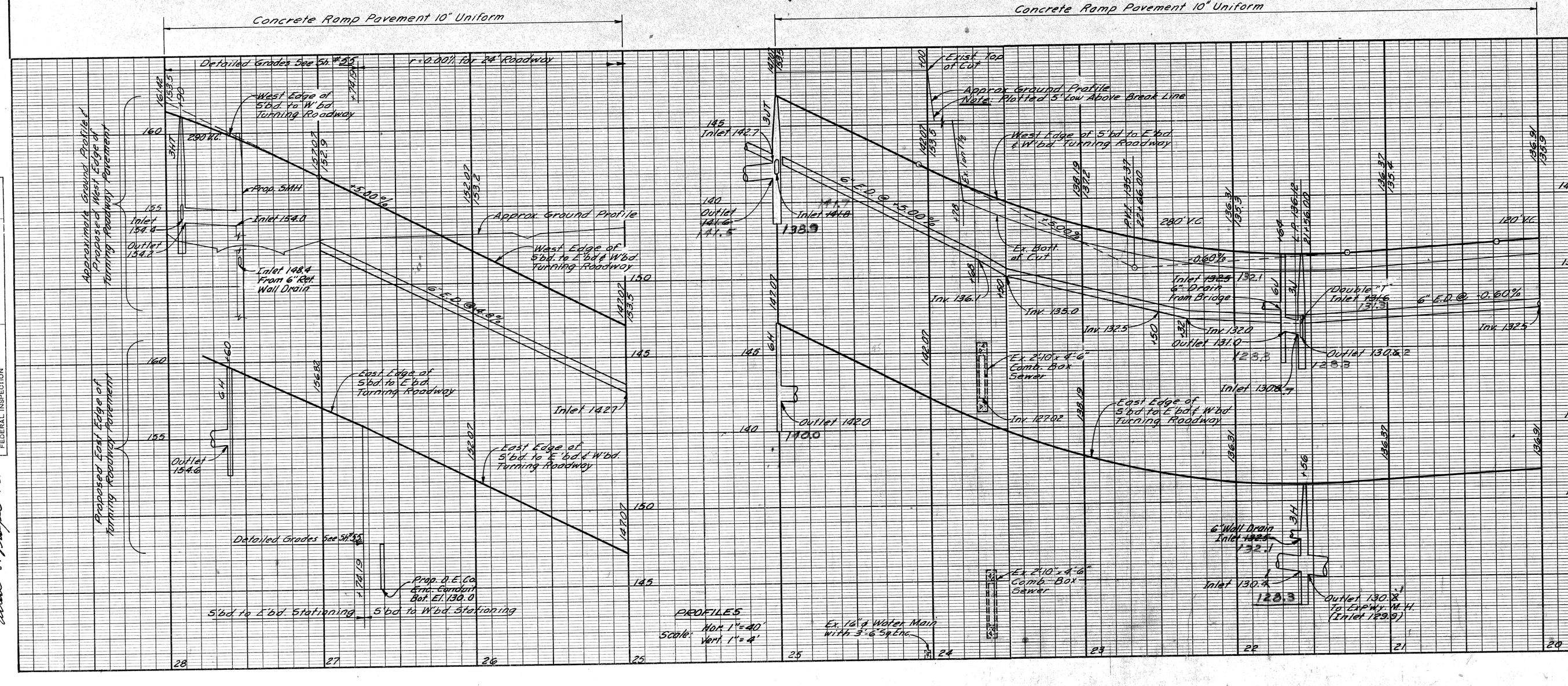
ITEM	CONTROL SECTION 82251F	CONTROL SECTION 82252A	UNIT
Concrete Curb, Detail 2A	253~~292~~		Lin. Ft.
Concrete Curb & Gutter, Detail A	○ ~~440~~	○ ~~350~~	Lin. Ft.
Concrete Roll Curb & Gutter, Detail B	○ ~~475~~	○ ~~350~~	Lin. Ft.
Bit. Agg. for Shoulders, Conc. Pavt.	○ ~~48~~	○ ~~84~~	Tons
Bituminous Prime Coat	○ ~~+99~~	○ ~~+00~~	Gals.
Class AA Shoulders (Comp. in Place)	○ ~~95~~	○ ~~48~~	Cu.Yds.
48" Chain Link Fence	○ ~~372~~	○ 45	Lin. Ft.
6' Walk Gate for 48" Chain Link Fence	○ 7		Each

Deleted by Rec. 21 (C-41) Rec. 37



Note
48' of Bridge Header Detail 21 of Bridge 530 of 82251F

Notes:
1. For Alignment See Sh.# 23, 24, 27 & 28.
2. For Grading, including Seeding and Sodding See Sh.# 22.
3. For Index of Soil Borings (Symbol ◉) See Sh.# 79.
4. For Location of Guard Rail and Traffic Sign Foundations See Sh.# 72.



Sta. 20+00 to Sta. 28+00	Control Section 82251F	Control Section 82252A	Unit
EARTH EXCHANGE ... Rec. 21	~~3988~~	626	Cu. Yds.
LOSSES	5/65		
Embankment + 25%			
This Sheet ... 1308+327=1635	1635	0	
Total Losses ... 1635			
WASTE	2353	626	Cu. Yds.
SUBBASE (Comp. in Place) Rec. 21	○ ~~999~~	~~704~~	Cu. Yds.
SELECTED SUBBASE 2AA Rec. 21	○ ~~372~~	○ ~~270~~	Tons

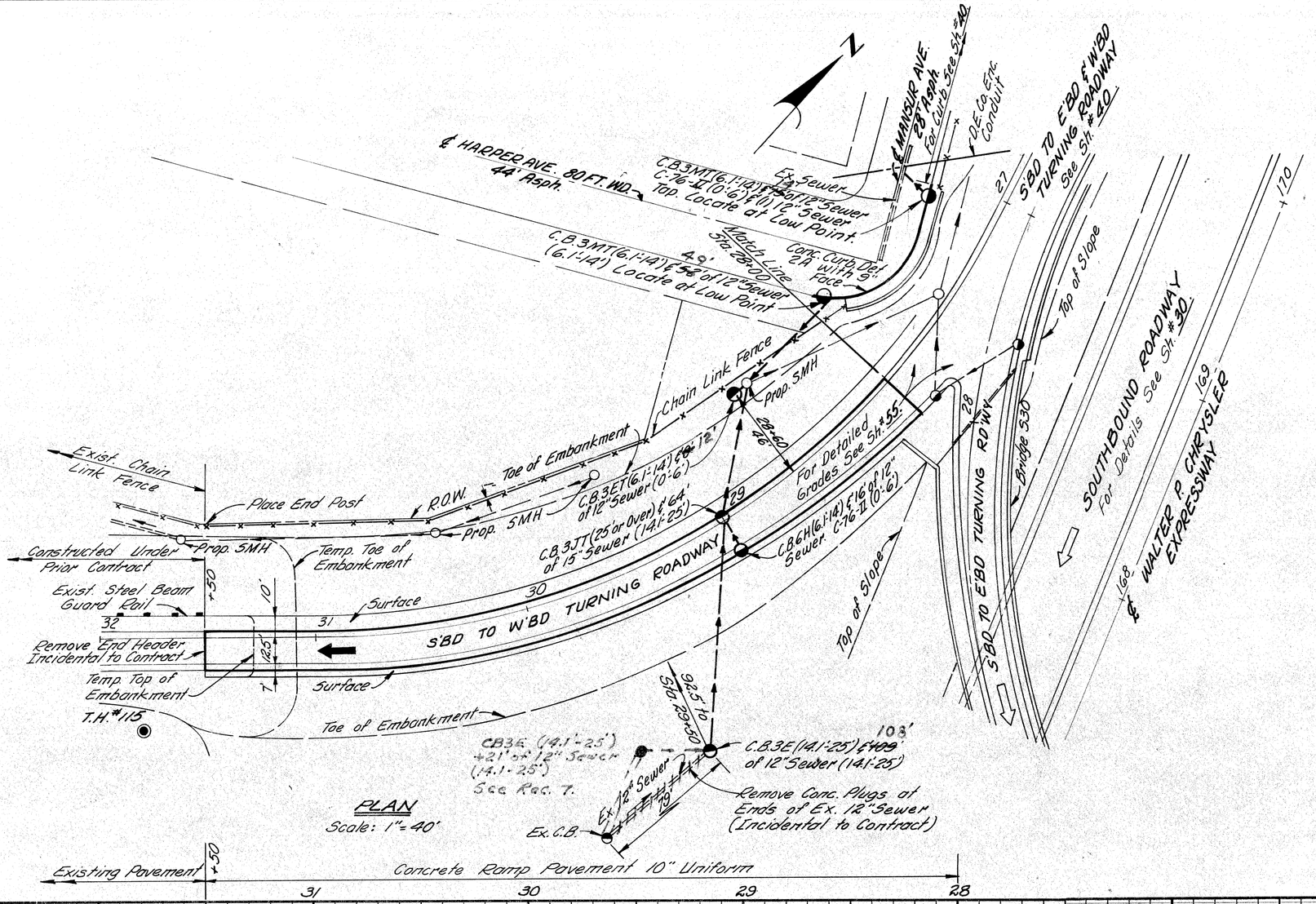
PLAN AND PROFILE FOR SOUTHBOUND TO EASTBOUND AND WESTBOUND TURNING ROADWAY STA. 20+00 TO STA. 28+00

FILE NO. USE NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(92)S3	40

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75(182)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	41	

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

CB3J 29+00 No frame or cover



PLAN
Scale: 1"=40'

QUANTITIES THIS SHEET

Concrete Curb, Detail 2A	126 ~~85~~	Lin. Ft.
Concrete Curb & Gutter, Detail A	~~367~~	Lin. Ft.
Concrete Rail Curb & Gutter, Detail B	~~350~~	Lin. Ft.
Bit. Agg. for Shoulders, Conc. Pav't.	~~14~~	Tons
Bituminous Prime Coat	~~98~~	Gals.
Class AA Shoulders (Comp. in Place)	~~47~~	Cu. Yds.
48" Chain Link Fence	~~313~~	Lin. Ft.

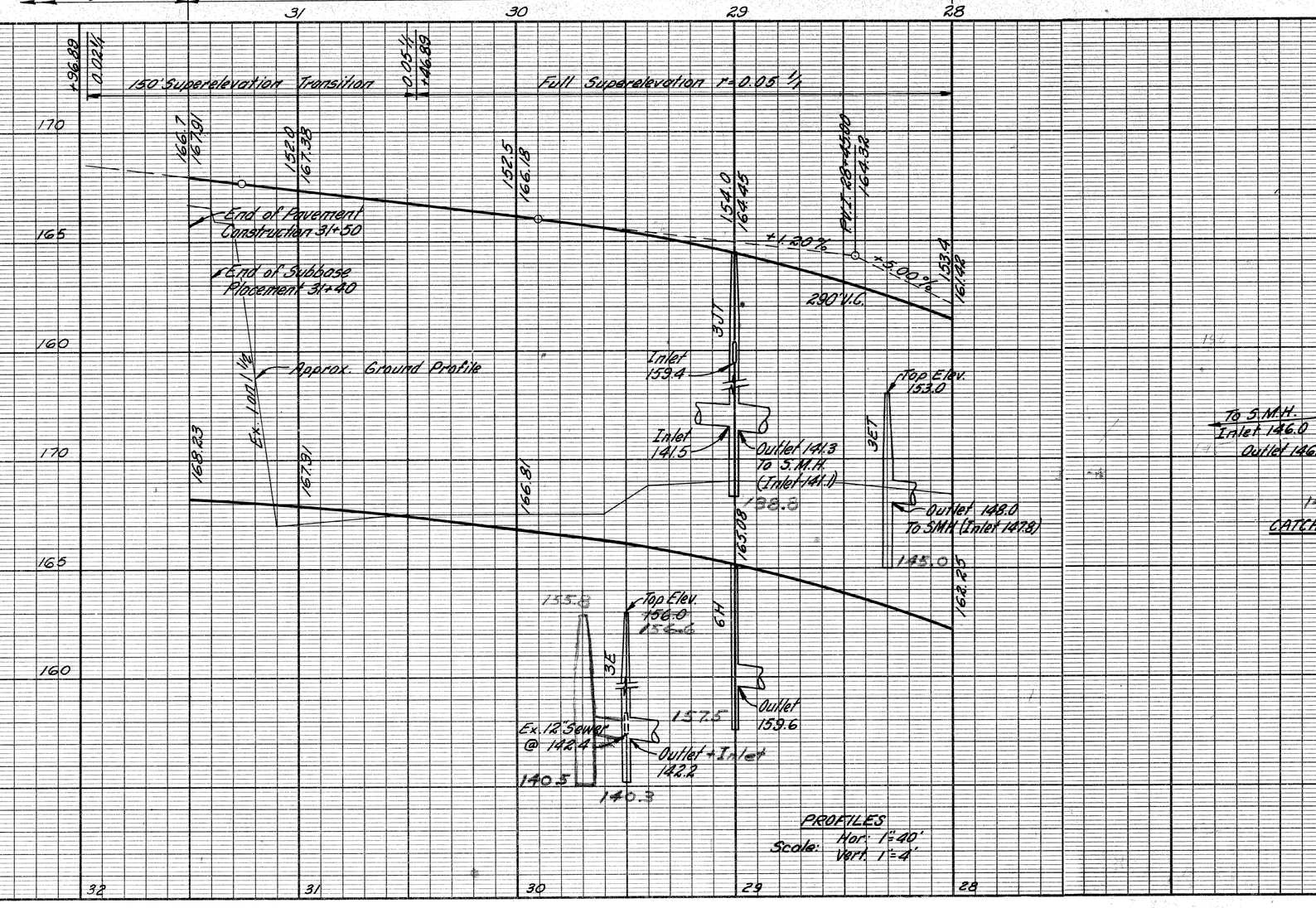
above balanced on Rec. 21

NOTES:

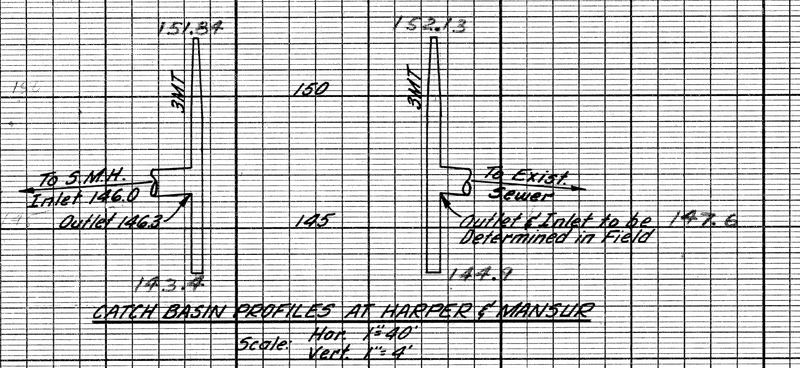
1. For Alignment See Sh. #27
2. For Grading, including Seeding & Sodding See Sh. #22
3. For Index of Soil Borings (Symbol ◉) See Sh. #73
4. For location of Guard Rail and Traffic Sign Foundations See Sh. #72

ALL WORK THIS SHEET
CONTROL SECTION 82251 F-C41

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



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



CATCH BASIN PROFILES AT HARPER & MANSUR
Scale: Hor. 1"=40'
Vert. 1"=4'

Sta. 28+00 to Sta. 31+40		
EARTH EXCAVATION Rec. 21	~~37~~	Cu. Yds.
WASTE	37	Cu. Yds.
* Embankment +25% 8434 +2109 =	10,543	Cu. Yds.
SUBBASE (Comp. in Place) Rec. 21	~~822~~	Cu. Yds.
SELECTED SUBBASE 2AA	~~182~~	Tons

* Obtained from Roadway Sheet # 31

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

J.V. WICKEY 1-65
M. POLITO 1-65
R. PLATER 1-65
Allan E Rayne 1-65

PLAN AND PROFILE FOR
SOUTHBOUND TO WESTBOUND
TURNING ROADWAY
STA. 28+00 TO STA. 31+50

FILE NO. DRBD NUMBER STENCIL	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
82251 F-C41	82251	F-75(182)53	41

FILE NO. USA NO. CSD STATE NO.	8225IF-C41		
	STATE PROJECT	FEDERAL PROJECT	SHEET NO
	822511	F-151(8253)	42

PLAN AND PROFILE FOR
WESTBOUND TO NORTHBOUND
TURNING ROADWAY
STA. 7+70 TO STA. 17+00

Sta. 7+80 to Sta. 17+00	Control Section	Unit
	8225IF	822529
EARTH EXCAVATION R-21	~~6666~~	420
Embankment +25%	7948	
LOOSIES		
This Sheet ..... 965+241=1206		
Select Yellow Clay (C.I.P)		
Overage This Sheet ... ~~54.74~~	~~1880~~	0
Total Loosies ... ~~1880~~	~~5346~~	420
MASTE		Cu. Yds.
SUBBASE (Comp. in Place) R-21	~~784~~	~~4934~~
SELECTED SUBBASE 24A	~~986~~	462
		Cu. Yds.
		Tons

QUANTITIES THIS SHEET		
ITEM	CONTROL SECTION 8225IF	822514	UNIT
Conc. Curb & Gutter, Detail A	~~668~~	~~994~~	Lin. Ft.
Conc. Roll Curb & Gutter, Detail B	~~668~~	~~926~~	Lin. Ft.
Bit. Mtg. for Shoulders, Conc. Pvmt.	~~169~~	~~22~~	Tons
Bituminous Prime Coat	~~169~~	~~22~~	Gals.
Class AA Shoulders (Comp. in Place)	8+	~~44~~	Cu. Yds.
48" Chain Link Fence	180	~~50~~	Lin. Ft.
6' Walk Gate for 48" Chain Link Fence	2	—	Each

Deleted by Rec. 21 (C41) R.37

Notes:
1 For alignment see Sh. # 24, 54, 29
2 For grading, including seeding and sodding see Sh. # 22
3 For Index of Soil Borings see Sh. # 28
4 For location of Traffic Sign foundations and Steel Beam Guard Roll see Sh. # 12

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-151(8253)			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	8225IF	Wayne	Detroit	42	

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

S80 TO E80 & W80 TURNING ROADWAY

SOUTHBOUND ROADWAY

NORTHBOUND ROADWAY

W80 TO N80 TURNING ROADWAY

E FISHER EXPRESSWAY

WESTBOUND ROADWAY

E FISHER EXPRESSWAY

E RUSSELL ST

E FISHER EXPRESSWAY

E FISHER EXPRESSWAY

E RIVARD ST

E PIQUETTE AVE

E HARPER AVE

E EDSEL FORD EXPRESSWAY

WESTBOUND ROADWAY

Match Line Sta 17+00

Existing Pavement

Concrete Ramp Pavement - 10" Uniform

PLAN
Scale: 1"=40'

PROFILES
Scale: Hor 1"=40'
Ver 1"=4'

Control Section 8225IF-C41

Control Section 82252A-C9

CB3H 10+00 Structure Damage
CB3E 9+50 No Frame on Cover

DESIGNED	J.V. WORKEY	1-65
DETAILED	E. PARUCH	1-65
CHECKED	R. COMLY	1-65
QUANTITIES	Helen E. Fagan	1-65

OPERATION	BY	DATE
PRELIMINARY R.O.W. CHECKED		
FINAL DESIGN	E. PARUCH	1-65
FINAL DESIGN CHECKED		
TRACED		
FINAL R.O.W. CHECK		
PROFILE PLOTTED		
QUANTITIES		
QUANTITIES CHECKED		
SQUAD		

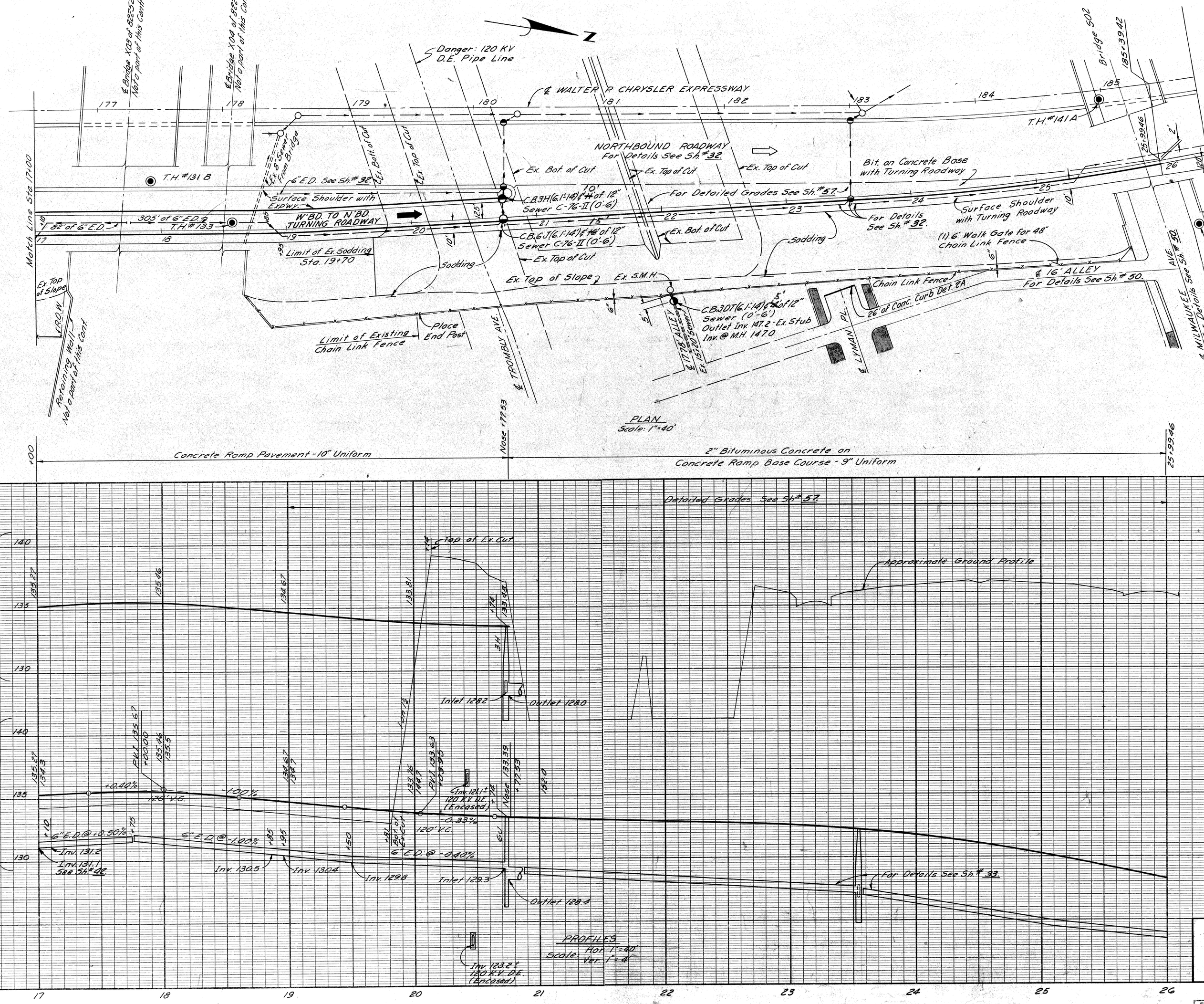
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	43	

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

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

OPERATION	BY	DATE
SURVEYED		
LAID OUT & PLOTTED		
PLAN CHECKED		
PROFILE PLOTTED		
PROFILE CHECKED		
PRELIMINARY GRADE		
GRADE INSPECTION		
FEDERAL INSPECTION		

1-65 J.V. WICKEY
1-65 E. PALUCH
1-65 C. LEHTO
1-65 Allan E. Kasper



QUANTITIES THIS SHEET

Concrete Curb, Detail 2A	26 Lin.Ft.
Concrete Curb & Gutter, Detail A	~~377~~ Lin.Ft.
Concrete Roll Curb & Gutter, Detail B	~~900~~ Lin.Ft.
Bit. Concrete Leveling Course	~~51~~ Tons
Bit. Concrete Wearing Course, 3 1AA	~~89~~ Tons
Bit. Agg. for Shoulders, Conc. Pavt.	~~66~~ Tons
Bituminous Bond Coat	~~145~~ Gals.
Bituminous Prime Coat	~~278~~ Gals.
Class AA Shoulders (Comp. in Place)	~~189~~ Cu.Yds.
Class A Sodding	~~3460~~ ~~3738.5~~ Sq.Yds.
48" Chain Link Fence	~~538~~ ~~719~~ Lin.Ft.
6' Walk Gate for 48" Chain Link Fence	1 Each

P-37

Notes:
1. For Alignment See Sh.# 24.
2. For Index of Soil Borings (Symbol ◉) See Sh.# 73.
3. For Location of Traffic Sign Foundations and Steel Beam Guard Rail See Sh.# 72.

ALL WORK THIS SHEET CONTROL SECTION 82252A-C3

Sta. 17+00 to Sta. 20+77.53	
EARTH EXCAVATION	3444 Cu.Yds.
WASTE	3444 Cu.Yds.
SUBBASE (Comp. in Place)	~~328~~ ~~494~~ Cu.Yds.
SELECTED SUBBASE 2A	~~0~~ ~~184~~ Tons

PLAN AND PROFILE FOR WESTBOUND TO NORTHBOUND TURNING ROADWAY STA. 17+00 TO STA. 25+99.46

FILE NO. USE NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	~~43~~

QUANTITIES THIS SHEET

Concrete Curb & Gutter, Detail A	~~521~~ Lin.Ft.
Concrete Rail Curb & Gutter, Detail B	~~303~~ Lin.Ft.
Bituminous Concrete Leveling Course	~~80~~ Tons
Bituminous Concrete Wearing Course, 3 1AA	~~46~~ Tons
Bit. Agg. for Shoulders, Concrete Pav't.	~~58~~ Tons
Bituminous Bond Coat	~~288~~ Gals.
Bituminous Prime Coat	~~296~~ Gals
Class AA Shoulders (Comp. in Place)	~~98~~ Cu.Yds.

Rec. 37

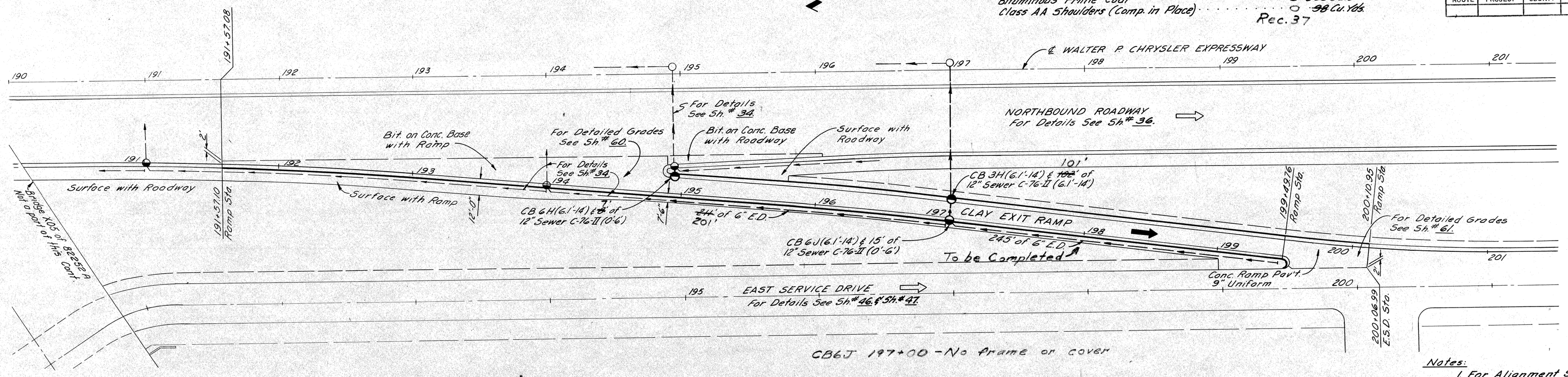
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	FAS1(82)S3			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	~~44~~	

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

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

OPERATION	BY	DATE
DATA PLOTTED		
PLAN CHECKED		
PROFILE PLOTTED		
PROFILE CHECKED		
PRELIMINARY GRADE		
GRADE INSPECTION		
FINAL INSPECTION		

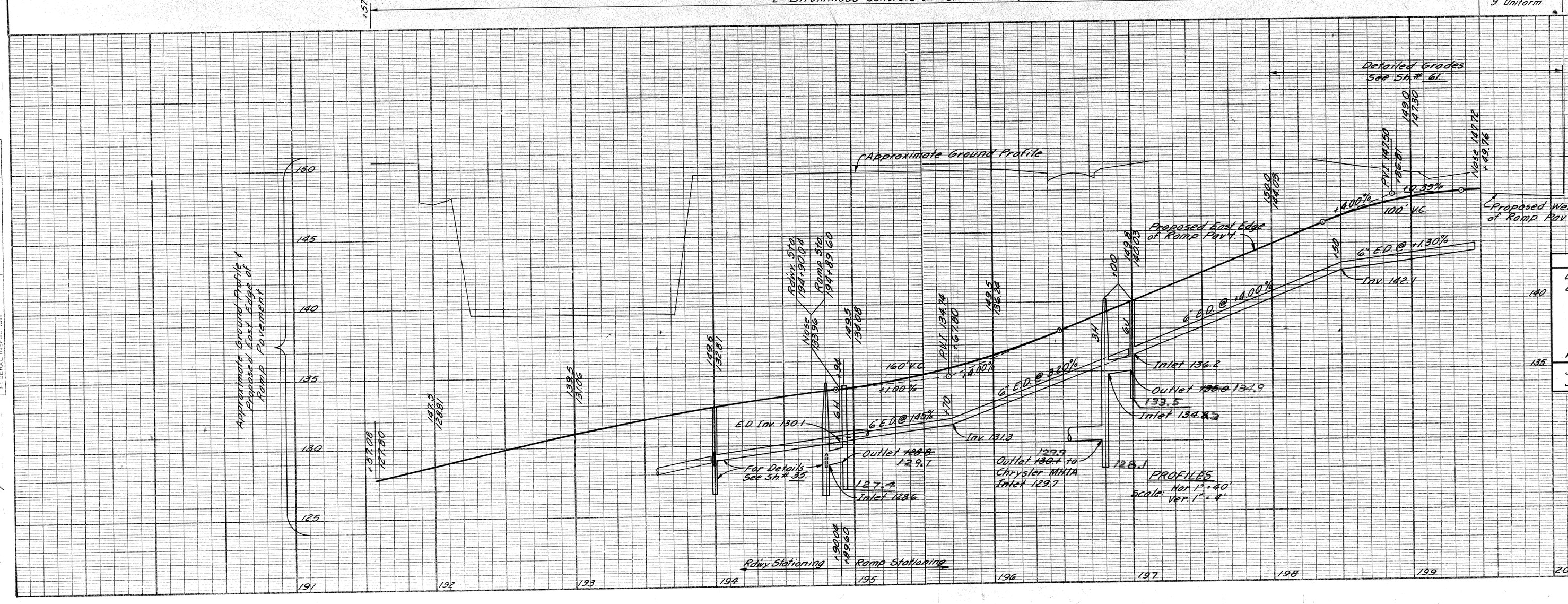
J.V. HICKEY 1-65
F. CALTABIANO 1-65
R. DESAIFSE 1-65
Allen E. Finger 1-65



PLAN
Scale: 1" = 40'

Notes:
1. For Alignment See Sh.# 25 & Sh.# 26
2. For Location of Guard Rail and Traffic Sign Foundations See Sh.# 70

ALL WORK THIS SHEET
CONTROL SECTION 82252A-C3



Sta. 194+89.60 to Sta. 199+49.76

EARTH EXCAVATION	6657 Cu.Yds.
LOSSES	
Embankment + 25%	
This Sheet	21+5=26
Select Yellow Clay (C.I.P.)	
Drainage This Sheet	20
Total Losses	~~46~~ 46
WASTE	6611 Cu.Yds.
SUBBASE (Comp. in Place)	~~482~~ Cu.Yds.
SELECTED SUBBASE 2A	~~224~~ Tons

PLAN AND PROFILE FOR CLAY EXIT RAMP

FILE NO. 1986 NO. 1980 STENCIL	82251F-C 41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(83)83	~~44~~

QUANTITIES THIS SHEET

Concrete Curb & Gutter, Detail A	~~688~~ Lin. Ft.
Concrete Roll Curb & Gutter, Detail B	~~1195~~ Lin. Ft.
Bit. Concrete Leveling Course	~~101~~ Tons
Bit. Concrete Wearing Course, 31AA	~~58~~ Tons
Bit. Agg. for Shoulders, Conc. Pav't.	~~92~~ Tons
Bituminous Bond Coat	~~288~~ Gals.
Bituminous Prime Coat	~~998~~ Gals.
Class AA Shoulders (Comp. in Place)	~~142~~ Cu. Yds.

Rec. 37

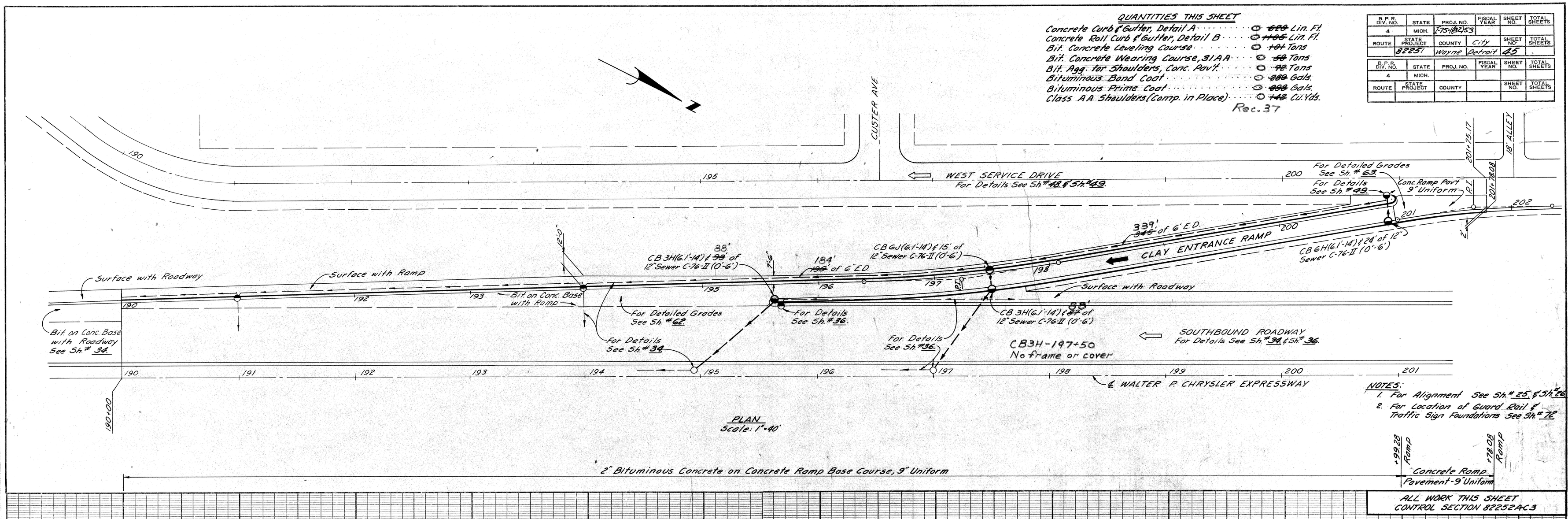
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	45	

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

OPERATION	BY	DATE
PRELIMINARY R.O.W. CHECKED		
FINAL DESIGN		
FINAL DESIGN CHECKED	Patrick	4-64
PROFILE PLOTTED		
FINAL R.O.W. CHECK		
QUANTITIES		
QUANTITIES CHECKED		
SQUAD		

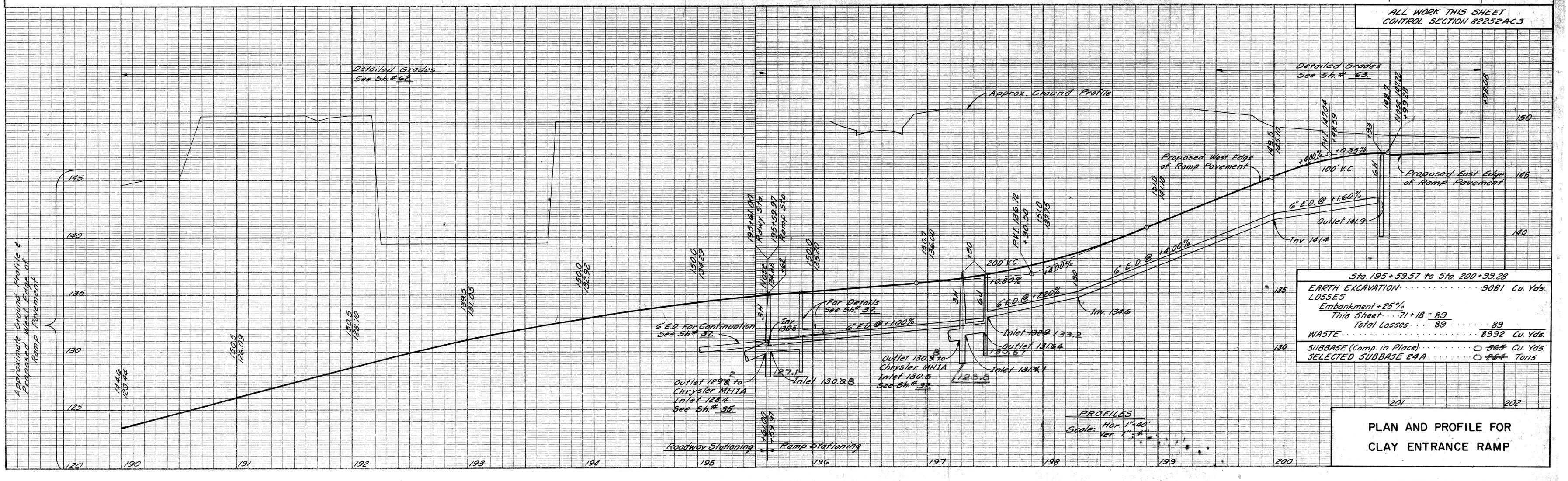
OPERATION	BY	DATE
SURVEYED	J.V. Wickey	1-65
PLAN PLOTTED	E. Pauch	1-65
PLAN CHECKED	R. Plater	1-65
PROFILE PLOTTED	Allen E. Pauch	1-65
PROFILE CHECKED		
FINAL R.O.W. GRADE		
DRAIN INSPECTION		
FIELD INSPECTION		

PLANS PREPARED BY THE DEPARTMENT OF PUBLIC WORKS CITY OF DETROIT DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS AND FLOOD CONTROL ENGINEERS



NOTES:
1. For Alignment See Sh.# 25 & Sh.# 26
2. For Location of Guard Rail & Traffic Sign Foundations See Sh.# 72

ALL WORK THIS SHEET
CONTROL SECTION 82252AC3



Sta. 195+59.57 to Sta. 200+99.28	
EARTH EXCAVATION	9081 Cu. Yds.
LOSSES	
Embankment +25%	
This Sheet ... 71 + 18 = 89	
Total Losses ... 89	89
WASTE	8992 Cu. Yds.
SUBBASE (Comp. in Place)	~~565~~ Cu. Yds.
SELECTED SUBBASE 24A	~~264~~ Tons

PLAN AND PROFILE FOR CLAY ENTRANCE RAMP

FILE NO. 128 NO. 330 STENCIL	8225IF-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	45

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	46	

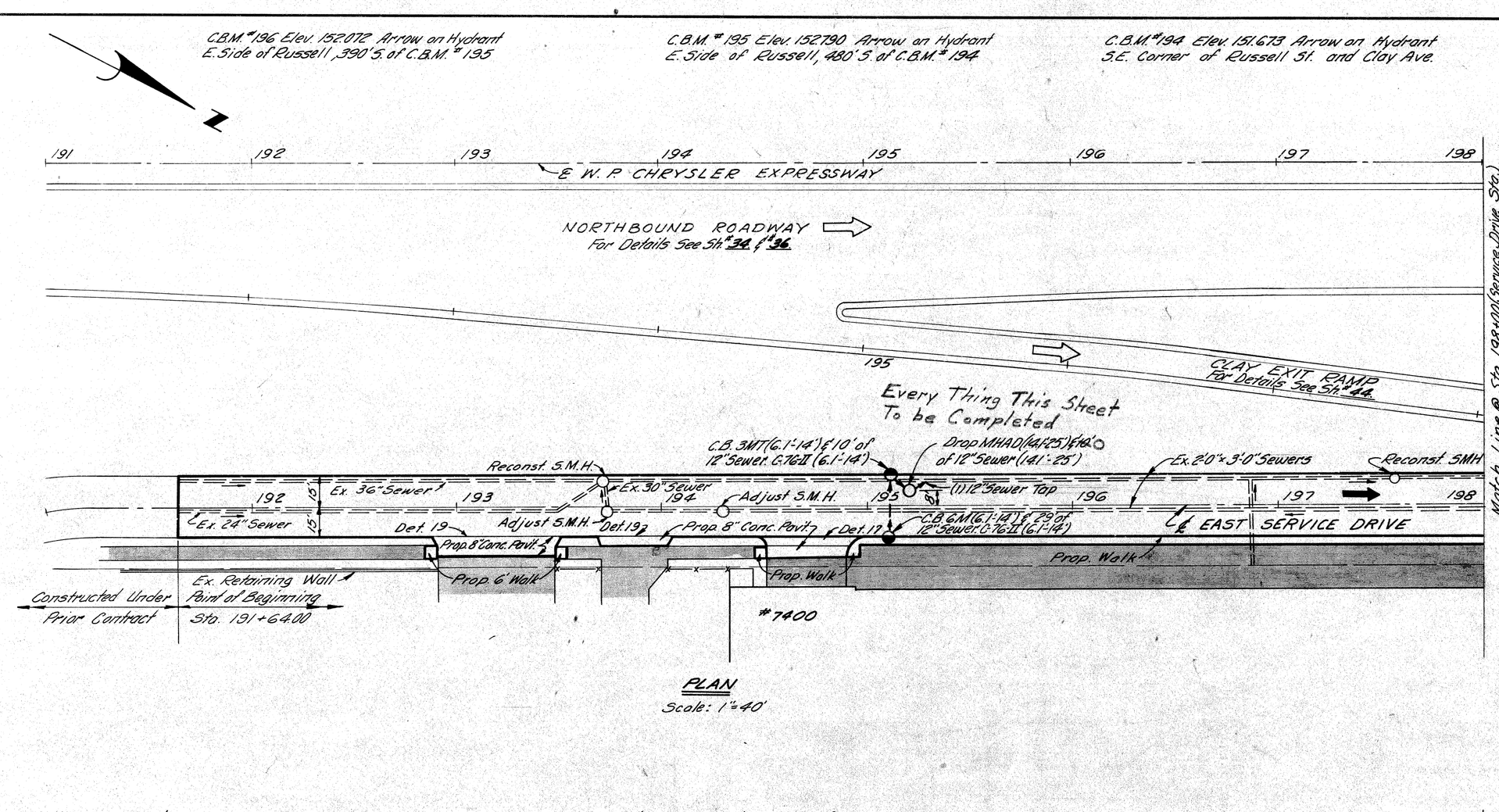
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

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

C.B.M.#196 Elev 152.072 Arrow on Hydrant E. Side of Russell, 390'S. of C.B.M.#195

C.B.M.#195 Elev 152.190 Arrow on Hydrant E. Side of Russell, 480'S. of C.B.M.#194

C.B.M.#194 Elev 151.673 Arrow on Hydrant S.E. Corner of Russell St. and Clay Ave.



STATION	Conc. Drive Return, Det. 17 (Lin. Ft.)	Driveway Opening, Det. 19 (Lin. Ft.)
193+18		60'
193+86		36'
194+70	○ ~~54~~	
TOTALS	○ ~~54~~'	96'

QUANTITIES THIS SHEET

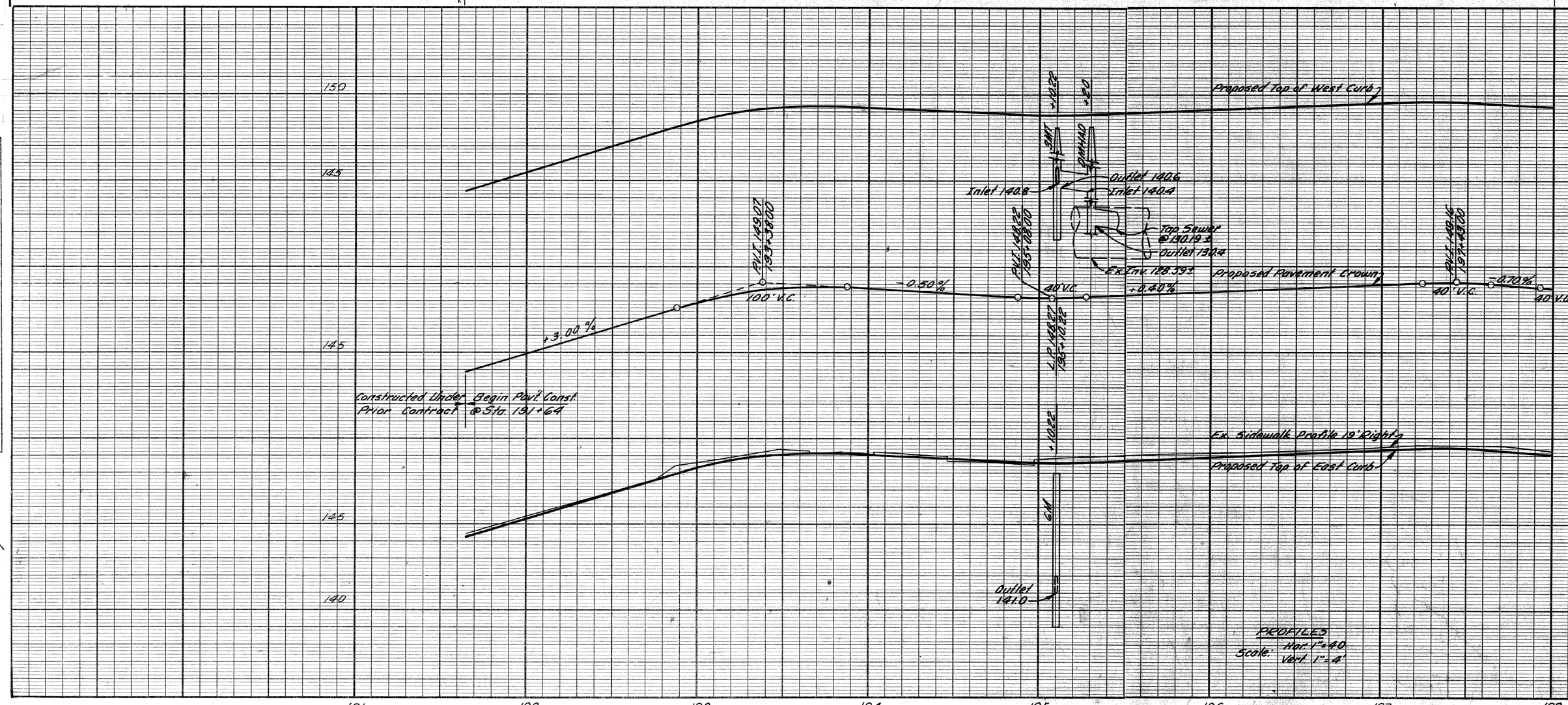
Concrete Curb, Detail 2 ..... ○ ~~1218~~ Lin. Ft.
4" Concrete Sidewalk ..... ○ ~~1954~~ Sq. Ft.

NOTES:

For Alignment See Sh.#25 & Sh.#26.
Existing Sidewalk to Remain

ALL WORK THIS SHEET
CONTROL SECTION 82252 AC3

OPERATION	BY	DATE
SURVEYED	J.V. NICKEY	1-65
PLAN PLOTTED	M. POLITO	1-65
PLAN CHECKED		
PROFILE PLOTTED	R. PLATER	1-65
PROFILE CHECKED	Allan E. Hagen	1-65
PRELIMINARY GRADE		
FINAL GRADE CHECKED		
FEDERAL INSPECTION		



Sta. 191+64 to Sta. 198+00

EARTH EXCAVATION	76 Cu. Yds.
WASTE	76 Cu. Yds.
* Embankment + 25%	
This Sheet ..... 246+62 =	308 Cu. Yds.
POROUS MATERIAL GRADE A (C.I.P.)	333 Cu. Yds.

* Obtained from Roadway Sheet #35

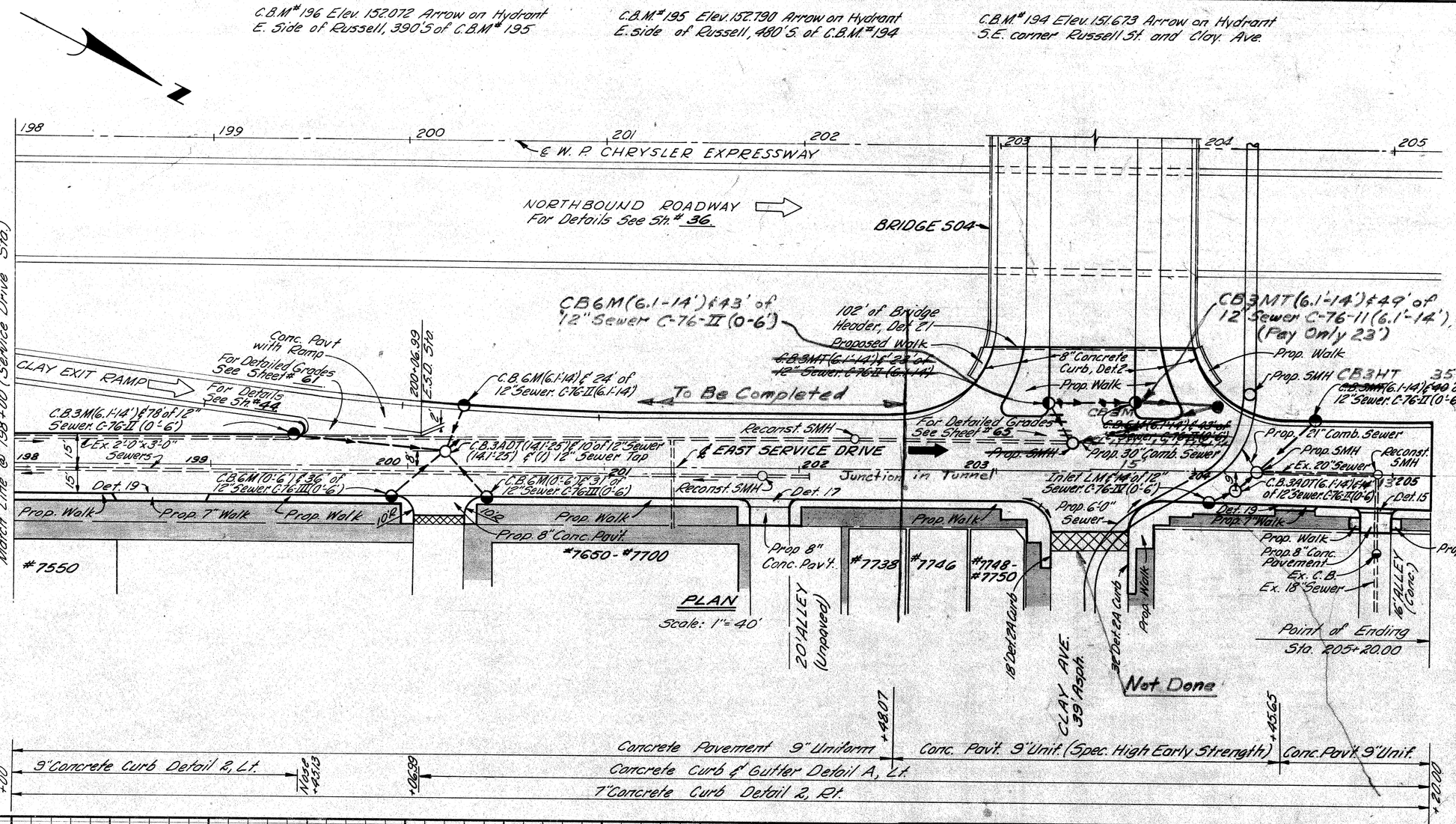
PLAN AND PROFILES FOR EAST SERVICE DRIVE STA. 191+64 TO STA. 198+00

FILE NO. USE NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	46

C.B.M.# 196 Elev. 152.072 Arrow on Hydrant E. Side of Russell, 390'S of C.B.M.# 195

C.B.M.# 195 Elev. 152.790 Arrow on Hydrant E. side of Russell, 480'S. of C.B.M.# 194

C.B.M.# 194 Elev. 151.673 Arrow on Hydrant S.E. corner Russell St. and Clay Ave.



QUANTITIES THIS SHEET

Concrete Curb, Detail 2	~~435~~ 1995	Lin. Ft.
Concrete Curb, Detail 2A	16 ~~50~~	Lin. Ft.
Concrete Curb & Gutter, Detail A	110 ~~375~~	Lin. Ft.
Bit. Conc. Leveling Course	0 ~~2~~	Tons
Bit. Conc. Wearing Course, 3 1AA	0 ~~3~~	Tons
Bituminous Bond Coat	0 ~~12~~	Gals.
4" Concrete Sidewalk	3227 ~~3999~~	Sq. Ft.
7" Concrete Sidewalk	675 ~~344~~	Sq. Ft.

Rec. 37

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I 75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	47	

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

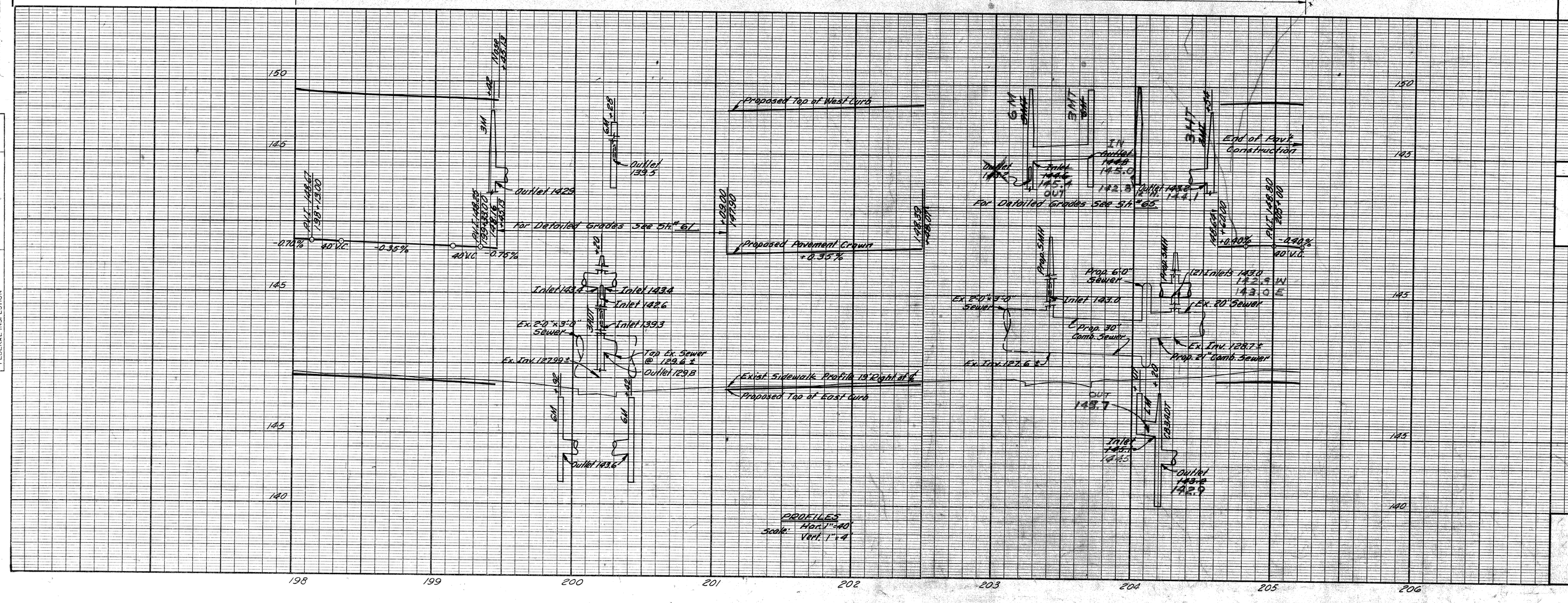
Remove Asphalt Surface shown cross-hatched to provide for a smooth connection and to adjust crown. Replace with Bituminous Concrete Pavement.

STATION	Remove Ex. Asph. Surface (Sq. Yds.)	Replace with Bit. Conc. Pavt (Sq. Yds.)
200+17	0 ~~15~~	0 ~~15~~
203+47	0 ~~44~~	0 ~~44~~
TOTALS	0 ~~59~~	0 ~~59~~

STATION	Conc. Drive Return, Lin. Ft. Det. 15	Det. 17	Driveway Opening, Det. 19 (Lin. Ft.)
198+75			48
201+84		0 ~~28~~	
204+51			24
204+93	24		
TOTALS	24	0 ~~28~~	96

NOTES:
1. For Alignment See Sh.# ~~26~~
2. ▬ Existing Sidewalk to remain.

ALL WORK THIS SHEET
CONTROL SECTION 82252 AC3



Sta. 198+00 to Sta. 205+20

EARTH EXCAVATION	484 Cu. Yds.
LOSSES	
Embankment +25%	
This Sheet 76+19 =	95
WASTE	389 Cu. Yds.
POROUS MATERIAL GRADE A (C.I.P.)	356 Cu. Yds.

PLAN AND PROFILES FOR
EAST SERVICE DRIVE
STA. 198+00 TO STA. 205+20

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

OPERATION	BY	DATE
SURVEYED		
PLAN TRACED		
PLAN CHECKED		
PROFILE PLOTTED		
PROFILE CHECKED		
FINAL R.O.W. CHECK		
GRADE INSPECTION		
FEDERAL INSPECTION		

J.V. WIECKER 1-65
M. PIZETO 1-65
R. COMLY 1-65
Allen E. Logan 1-65

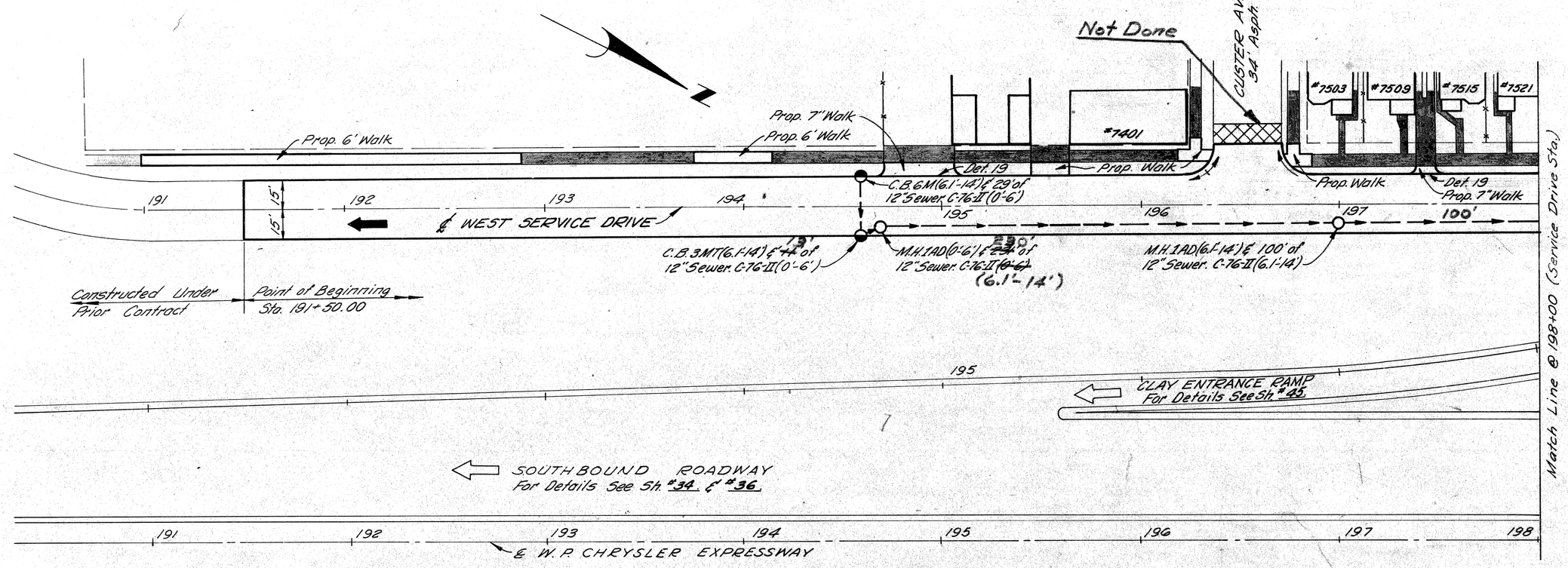
FILE NO. USE STEEL STENCIL	8225IF-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	47

C.B.M.# 163 Elev. 151.938 Arrow on Hydrant N.E. corner of Richmond Ave. & E. Grand Blvd.

P.B.M.# 41-251A Elev. 148.837 City of Detroit Monument N.E. corner of Cameron St. and East Grand Blvd.

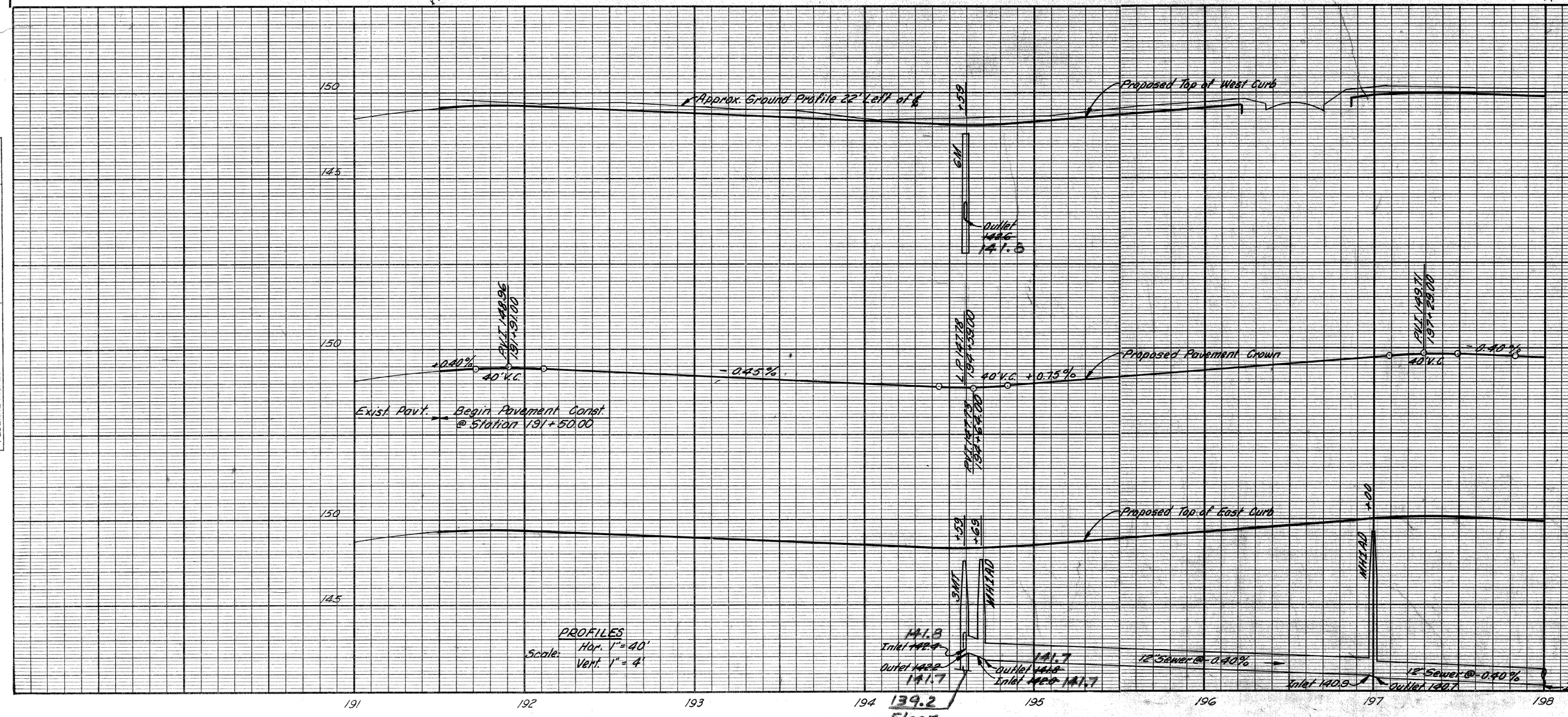
C.B.M.# 197 Elev. 152.270 Arrow on Hydrant E. side of Cameron St. 260.0' N of P.B.M.# 41-251A

C.B.M.# 198 Elev. 153.079 Arrow on Hydrant S.E. corner of Cameron St. and Custer St.



PLAN
Scale: 1"=40'

Existing Pavement — Concrete Pavement 9" Uniform — Concrete Curb Detail 2, 7"Lt & 9"Rt



QUANTITIES THIS SHEET

Concrete Curb, Detail 2	1236	1283 Lin. Ft.
Bit. Conc. Leveling Course	0 ~~2~~	Tons
Bit. Conc. Wearing Course, 3 1 AA	0 ~~2~~	Tons
Bituminous Bond Coat	0 ~~0~~	Gals.
4" Concrete Sidewalk	392	1764 Sq. Ft.
7" Concrete Sidewalk	345	2795 Sq. Ft.

Rec. 37

R.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-751(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	48	

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

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

STATION	Remove Ex. Asph. Surface (Sq. Yds.)	Replace with Bit. Conc. Pavt. (Sq. Yds.)
196+54	~~38~~	38
TOTALS	0 ~~38~~	38

STATION	Driveway Opening Det. 19 (Lin. Ft.)
194+89	46
197+43	18
TOTALS	64

NOTES:
1. For Alignment, See Sh. # 35 & Sh. # 36.
2. ▨ Existing Sidewalk to remain.

ALL WORK THIS SHEET
CONTROL SECTION 82252AC3

Sta. 191+50 to Sta. 198+00

EARTH EXCAVATION	113 Cu. Yds.
WASTE	113 Cu. Yds.
* Embankment + 25%	
This Sheet 69+16=	80 Cu. Yds.
POROUS MATERIAL GRADE A (C.I.P.)	209 Cu. Yds.

* Obtained from Roadway Sheet # 37.

PLAN AND PROFILES FOR
WEST SERVICE DRIVE
STA. 191 + 50 TO STA. 198 + 00

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

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

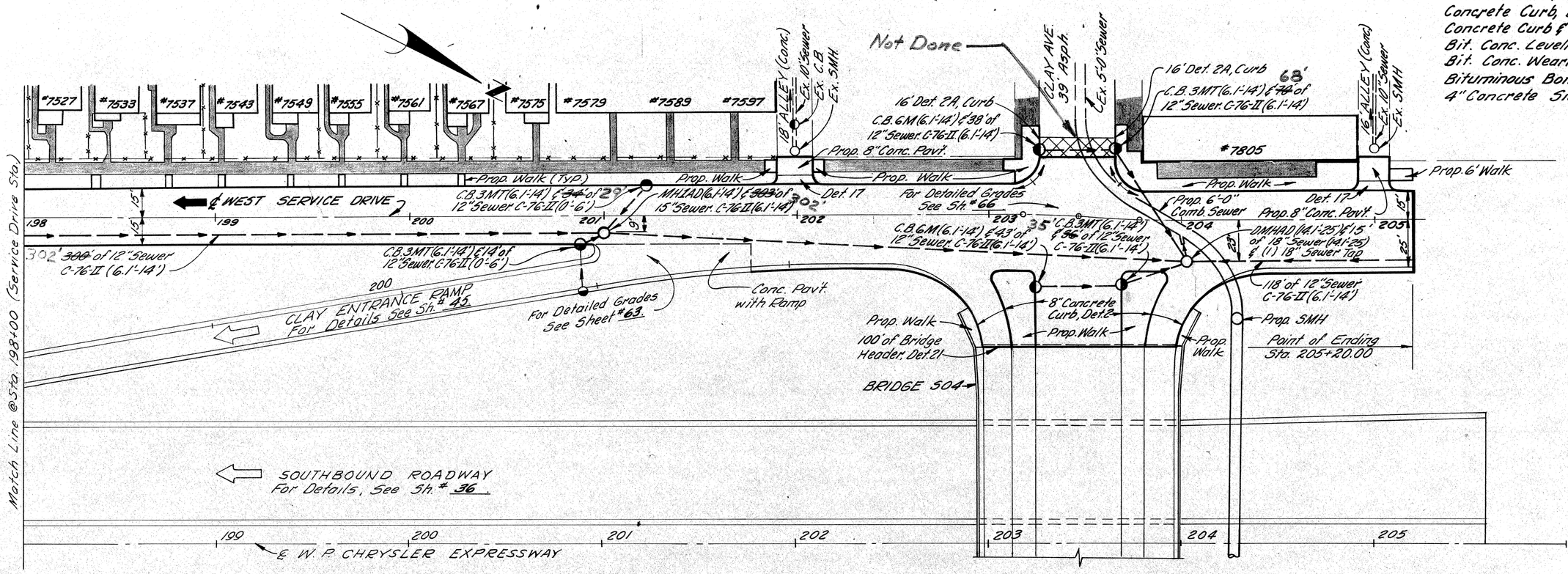
J. V. WICKEY 1-65
M. POLITO 1-65
G. LEHTO 1-65
Allan E. Rogers 1-65

FILE NO. USE NO. 350 STENCIL	8225IF-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	F-751(82)53	48

C.B.M. #198 Elev. 153.079 Arrow on Hydrant S.E. Corner of Cameron Ave. & Custer Ave.

C.B.M. #199 Elev. 151.701 Arrow on Hydrant East Side of Cameron Ave., 315' N. of C.B.M. #198

C.B.M. #200 Elev. 151.224 Arrow on Hydrant S.E. Corner of Cameron Ave. & Clay Ave.



PLAN

Scale: 1" = 40'

Concrete Pavement 9" Uniform

7" Concrete Curb Detail 2, Lt.

9" Concrete Curb Detail 2, Rt.

+41.73 — Conc. Pavt. 9" Unif. (Special High Early Strength) — +46.26 — Conc. Pavt. 9" Unif.

+00 — Meet +94.19 — +51.17 — Concrete Curb & Gutter Detail A, Rt. — +20.00

QUANTITIES THIS SHEET

Concrete Curb, Detail 2	1154 ~~1223~~ Lin. Ft.
Concrete Curb, Detail 2A	30 ~~36~~ Lin. Ft.
Concrete Curb & Gutter, Detail A	183 ~~206~~ Lin. Ft.
Bit. Conc. Leveling Course	0 ~~2~~ Tons
Bit. Conc. Wearing Course, 31AA	0 ~~2~~ Tons
Bituminous Bond Coat	0 ~~5~~ Gals.
4" Concrete Sidewalk	2026 ~~3486~~ Sq. Ft.

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75-I(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	49	

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

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

STATION	Remove Exist. Asph. Surface (Sq. Yds.)	Replace with Bit. Conc. Pavt. (Sq. Yds.)
203+47	~~44~~	44
TOTALS	0 ~~44~~	44

STATION	Conc. Drive Return, Det. 17 (Lin. Ft.)
201+99	27 ~~26~~
204+99	26 ~~24~~
TOTALS	53 ~~50~~

NOTES:

1. For Alignment See Sh.# 26
2. ▨ Existing Sidewalk to Remain

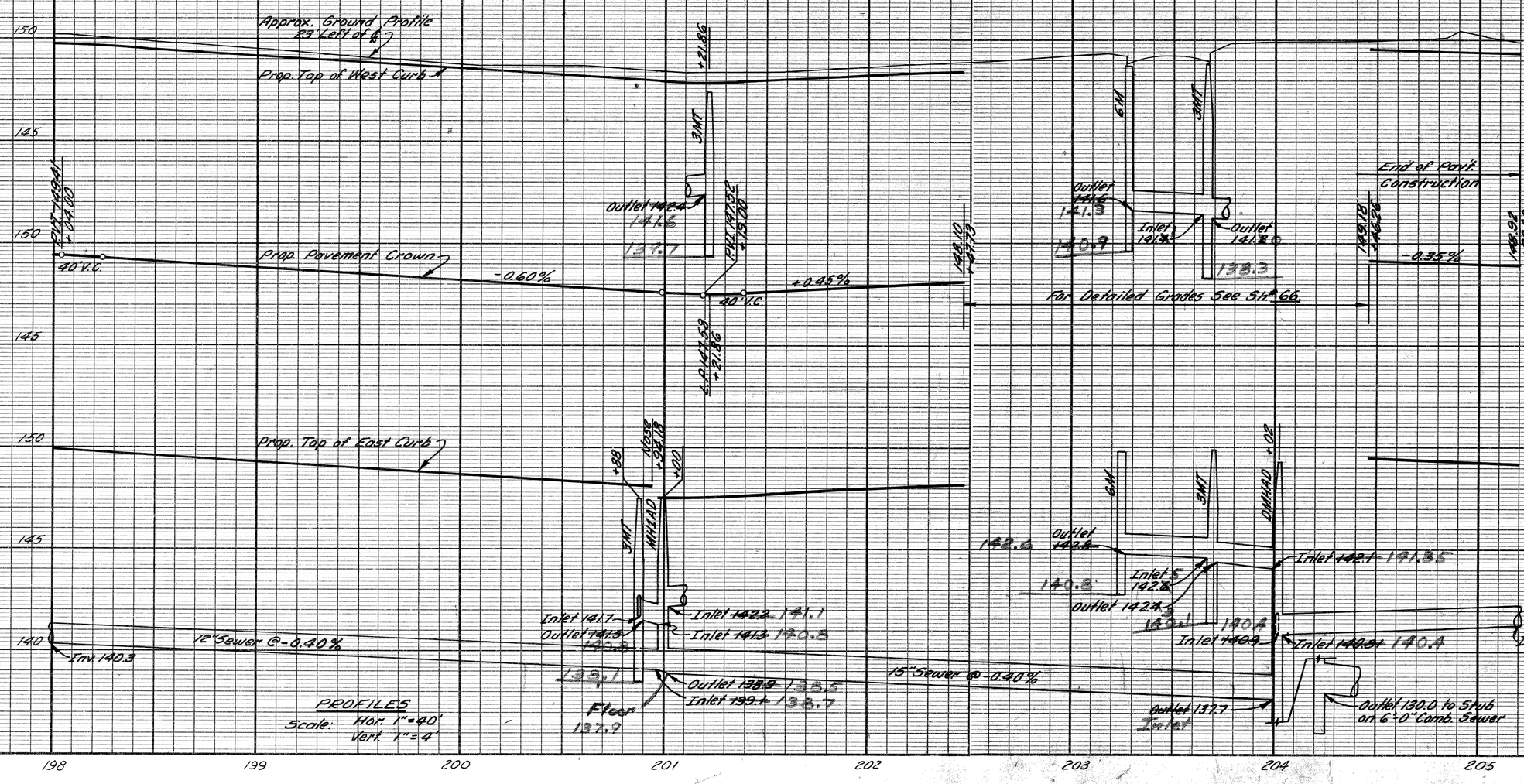
ALL WORK THIS SHEET
CONTROL SECTION 82252 A C3

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

OPERATION	BY	DATE
SURVEYED	J.V. WICKEY	1-65
PLAN PLOTTED	M. POLITO	1-65
PLAN CHECKED	R. COMLY	1-65
PROFILE PLOTTED	Allen E. Rogers	1-65
PROFILE CHECKED		
PRELIMINARY GRADE		
GRADE INSPECTION		
FEDERAL INSPECTION		

PROFILES

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



Sta. 198+00 to Sta. 205+20

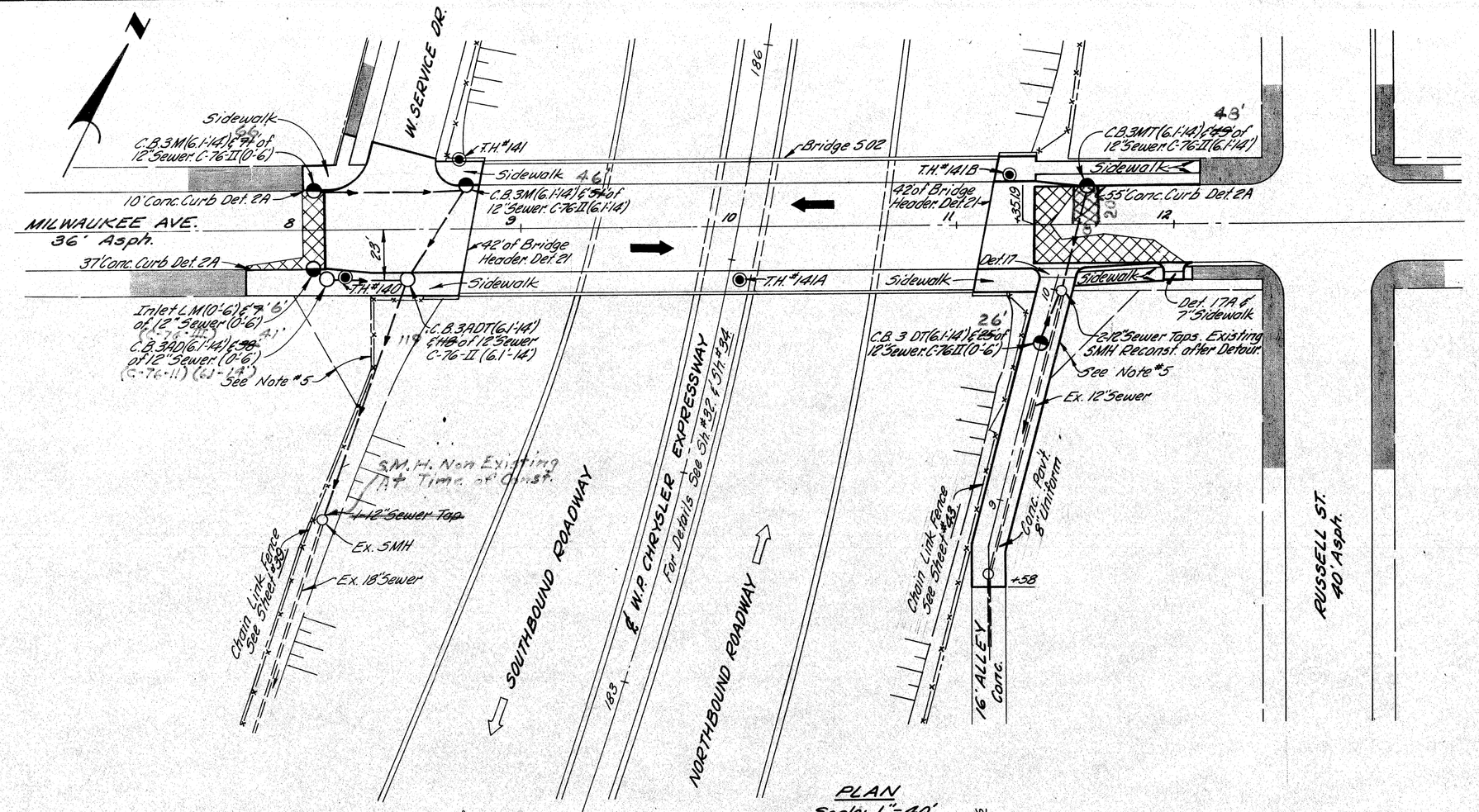
EARTH EXCAVATION	580 Cu. Yds.
LOSSES	
Embankment + 25%	
This Sheet 65+16 =	81
WASTE	499 Cu. Yds.
POROUS MATERIAL GRADE A (C.I.P.)	251 Cu. Yds.

PLAN AND PROFILES FOR WEST SERVICE DRIVE STA. 198+00 TO STA. 205 + 20

FILE NO. USE NO. 350 STENCIL	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
82251 F-C41	82251	F-75-I(82)53	49

Remove Asphalt Surface shown Cross-Hatched to provide for a smooth connection and to adjust Crown. Replace with Bituminous Concrete Pavement.

Location	Remove Exist. Asph. Surface Sq. Yds.	Bit. Conc. Pavement Sq. Yds.
West End	52	52
East End	117	117
TOTAL	169	169



PLAN
Scale: 1" = 40'

QUANTITIES THIS SHEET

Concrete Curb, Detail 2	179 ~~224~~ Lin. Ft.
Concrete Curb, Detail 2A	33 ~~142~~ Lin. Ft.
Bit. Conc. Leveling Course	52 ~~69~~ Tons
Bit. Conc. Wearing Course, 31AA	0 ~~89~~ Tons
Bituminous Bond Coat	0 ~~191~~ Gals.
4" Concrete Sidewalk	1960 ~~2866~~ Sq. Ft.
7" Concrete Sidewalk	25 ~~305~~ Sq. Ft.
Class AA Approaches (Comp. in Place)	0 ~~68~~ Cu. Yds.

Rec. 37

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75(182)53			
ROUTE	STATE PROJECT	COUNTY	city	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	30	

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

Station	Concrete Drive Return	
	Def. 17 Lin. Ft.	Def. 17A Lin. Ft.
11+46	25 ~~84~~	—
12+00	—	16 ~~45~~
TOTAL	25 ~~84~~	16 ~~45~~

NOTES:

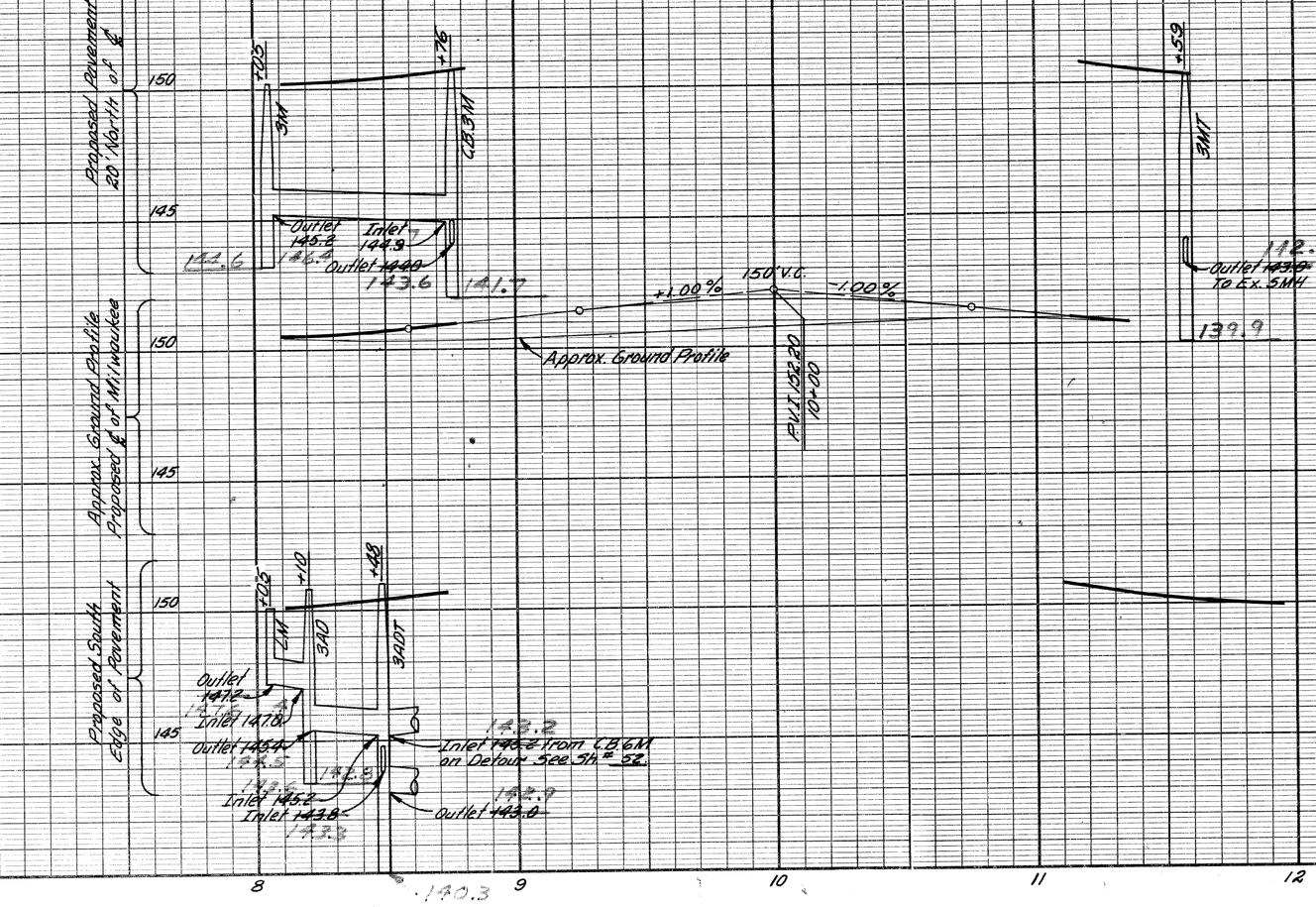
1. For Alignment See Sh. #25.
2. For Index of Soil Borings (Symbol ◉) See Sh. #73.
3. ▨ Existing Sidewalk to remain.
4. For Detailed Grades of Bridge Approaches See Sh. #64.
5. To Replace Portions of Existing Gravel Areas used as an Easement for the Milwaukee Ave. Detour 20 Cu. Yds. (6" P.C.P. 4" Thick) of Class AA Approach has been Estimated.

ALL WORK THIS SHEET
CONTROL SECTION 82252A C3

EARTH EXCAVATION ..... 61 Cu. Yds.
WASTE ..... 61 Cu. Yds.

Concrete Curb Detail 2, Except as Noted
2" Bit. Concrete on Concrete Base Course, 9" Uniform
See Bridge 502 of 82252A

For Detailed Grades See Sh. #64



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

PLAN AND PROFILE FOR
MILWAUKEE AVE. BETWEEN
WEST SERVICE DR. & RUSSELL ST.

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

OPERATION	BY	DATE
SURVEYED	J. V. HICKEY	1-65
PLAN PLOTTED	M. POLITO	1-65
PLAN CHECKED		
PROFILE PLOTTED	R. PLATER	1-65
PROFILE CHECKED		
PRELIMINARY GRADE		
GRADE FINISHED		
FEDERAL INSPECTION		

FILE NO. USE NO. 1350 STENCIL 82251F-C41 | STATE PROJECT 82251 | FEDERAL PROJECT F-75(182)53 | SHEET NO. 30

Remove Asphalt Surface shown Cross — Hatched to provide for a smooth connection and to adjust Crown. Replace with Bituminous Concrete Pavement.

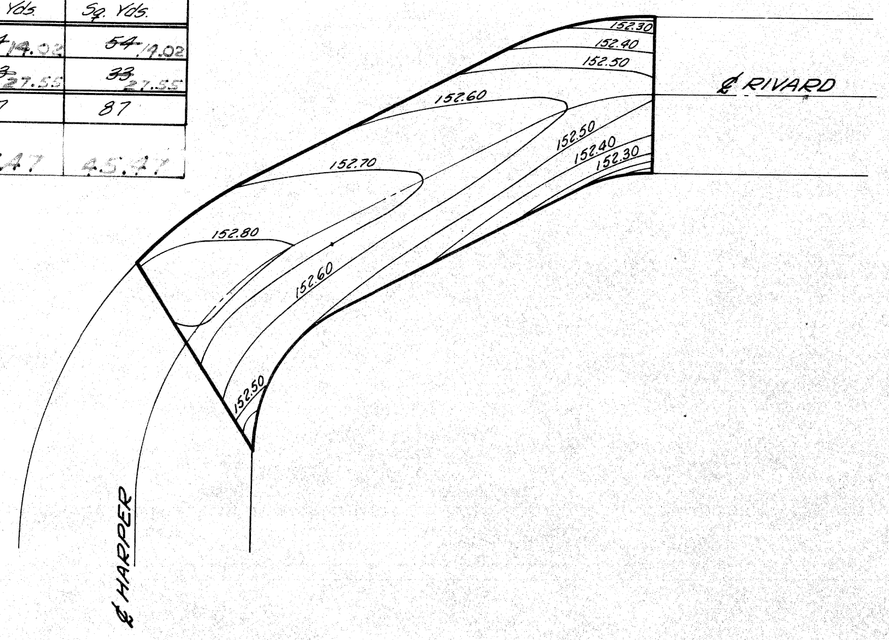
Location	Remove Exist. Asph. Surface Sq. Yds.	Bit. Conc. Pavement Sq. Yds.
At Harper	54 ~~19.03~~ 34.97	54 ~~19.03~~ 34.97
At Piquette	33 ~~7.64~~ 25.36	33 ~~7.64~~ 25.36
TOTAL	87	87
at Manual + Harper	45.47	45.47

C.B.M.# 144 Elev. 155.964 Arrow on Hydrant N.W. corner Harper Ave. and Rivard St.

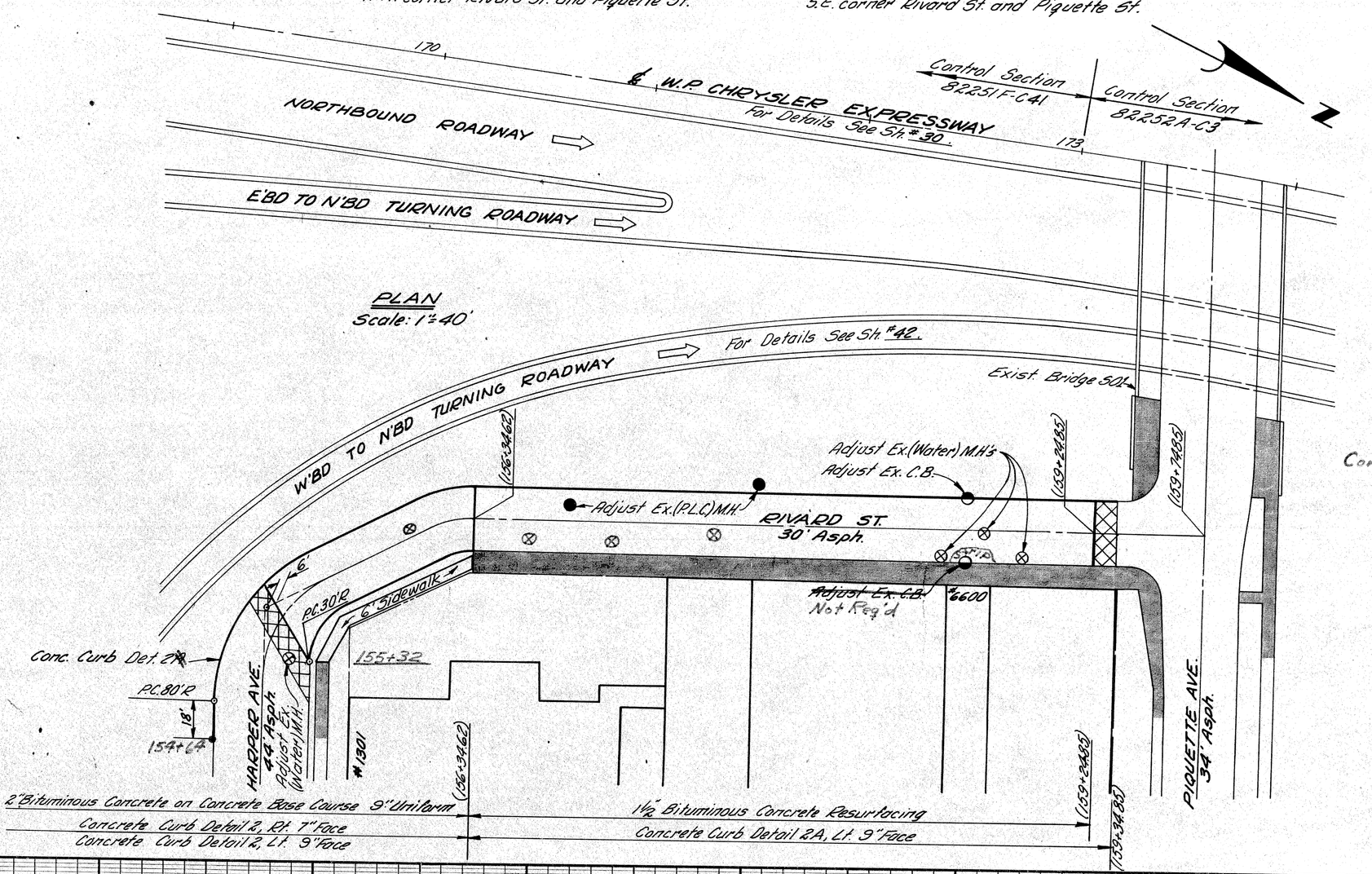
C.B.M.# 145 Elev. 155.869 Arrow on Hydrant North Side of Harper Ave. 255' E. of C.B.M.# 144

C.B.M.# 151 Elev. 156.621 Arrow on Hydrant N.W. corner Rivard St. and Piquette St.

C.B.M.# 152 Elev. 155.134 Arrow on Hydrant S.E. corner Rivard St. and Piquette St.



DETAILED GRADE HARPER AT RIVARD
Scale: 1"=20'



PLAN
Scale: 1"=40'

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	51	

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

QUANTITIES THIS SHEET 276

Concrete Curb, Detail 2 Auth. 1036 ..... ~~207~~ Lin. Ft.
Concrete Curb, Detail 2A Rec. 21 .. 287 ~~378~~ Lin. Ft.
Preparing Existing Pavement ..... 2.9 Stas.
Bit. Conc. Leveling Course Auth. 1034 .. 43 .. 29 Tons
Bit. Conc. Wearing Course, 3T Auth. 1034 .. 27.6 .. ~~19~~ Tons
Bit. Conc. Wearing Course, 2SA Auth. 1034 .. 95.5 .. ~~82~~ Tons
Bituminous Bond Coat Rec. 21 ..... 0 ~~293~~ Gals.
4" Concrete Sidewalk Rec. 21 .. 664 .. ~~516~~ Sq. Ft.

Auth. 1034
Conc. Base Course 9" Uniform 489 Sq. Yds.

NOTES:
1. For Alignment See Sh.# 29
2. ▨ Existing Sidewalk to remain
3. Existing Street Stationing shown in Parenthesis ( ).

ALL WORK THIS SHEET
CONTROL SECTION 82251F-C41

EARTH EXCAVATION ..... 0 ~~27~~ Cu. Yds.
WASTE ..... 0 ~~27~~ Cu. Yds.

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

OPERATION	BY	DATE
SURVEYED	J.V. WICKEY	1-65
PLAN PLOTTED	M. POLITO	1-65
PLAN FINISHED		
PROFILE PLOTTED	R. DESAIFFE	1-65
PROFILE CHECKED	Allen E. Hayes	1-65
PROJECT COMPLETE		
GRADE INSPECTION		
FEDERAL INSPECTION		

PLAN AND PROFILES FOR
RIVARD STREET
HARPER AVENUE TO PIQUETTE AVENUE

FILE NO.	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
82251F-C41	82251	F-75-1(82)53	51

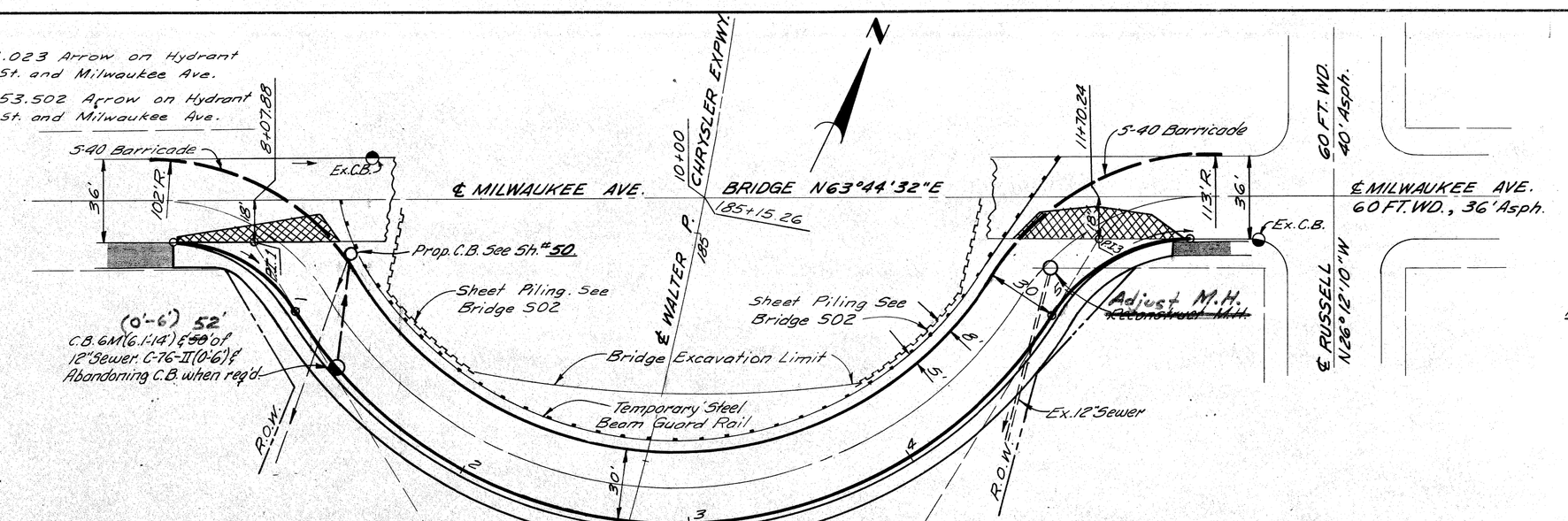
AUTH.	DATE	REVISION
		FINAL R. O. W.

Remove Asphalt Surface Shown Cross-Hatched to Provide for a Smooth Connection and to Adjust Crown. Replace with Bituminous Concrete Pavement.

Location	Remove Exist. Asph. Surf. Sq. Yds.	Replace with Bit. Conc. Pavt. Sq. Yds.
West End	34 ~~53~~	53
East End	19 ~~77~~	77
TOTAL	53 ~~130~~	130

C.B.M. #156 Elev. 154.023 Arrow on Hydrant N.W. Corner Rivard St. and Milwaukee Ave.

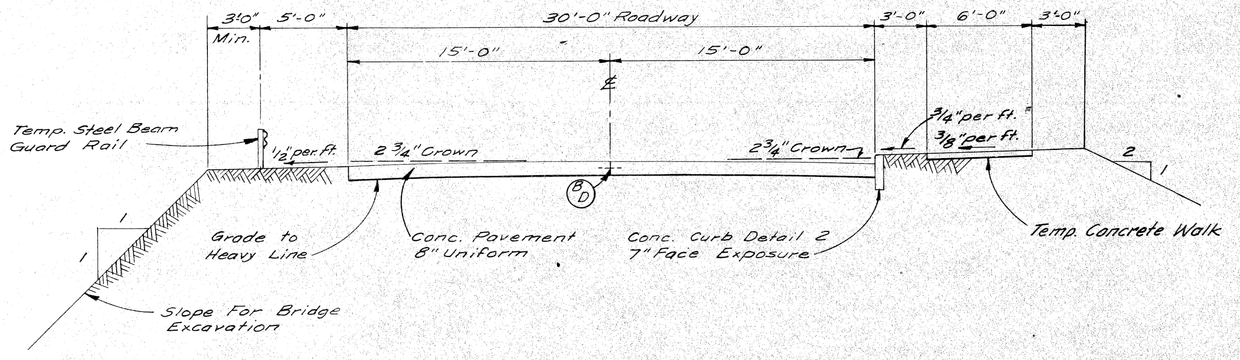
C.B.M. #157 Elev. 153.502 Arrow on Hydrant N.W. Corner Russell St. and Milwaukee Ave.



B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(81)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	52	

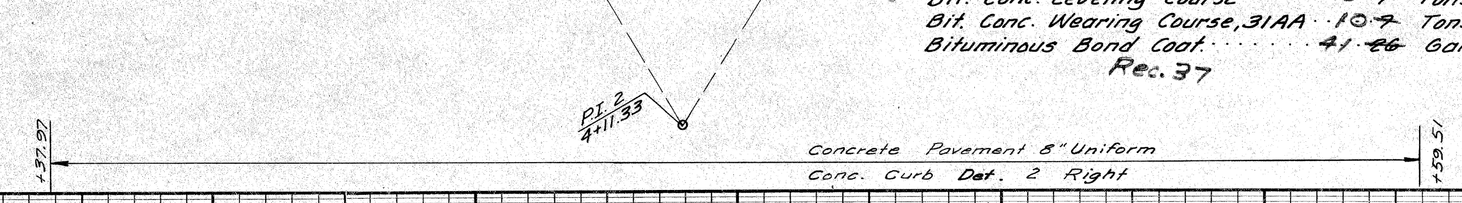
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

NOTES:
For Permanent Bridge Approaches: See Sh.# 50.
Existing Sidewalk to remain.



TYPICAL SECTION FOR DETOUR ROADWAY
Scale: 1" = 6'

PLAN
Scale: 1" = 40'



CURVE DATA DETOUR ROADWAY

CURVE 1	CURVE 2	CURVE 3
Δ = 59° 14' 06.49"	Δ = 117° 12' 32.94"	Δ = 57° 58' 26.45"
D = 95.493°	D = 30.156°	D = 81.851°
R = 60'	R = 190'	R = 70'
T = 34.11'	T = 311.33'	T = 38.78'
L = 62.03'	L = 388.68'	L = 70.83'
E = 9.02'	E = 174.72'	℄ = 10.03'
PC = 0+37.97	PC. = 1+00	PC. = 4+88.68
P.I. = 0+72.08	P.I. = 4+11.33	P.I. = 5+27.46
P.T. = 1+00	P.T. = 4+88.68	P.T. = 5+59.51

QUANTITIES THIS SHEET

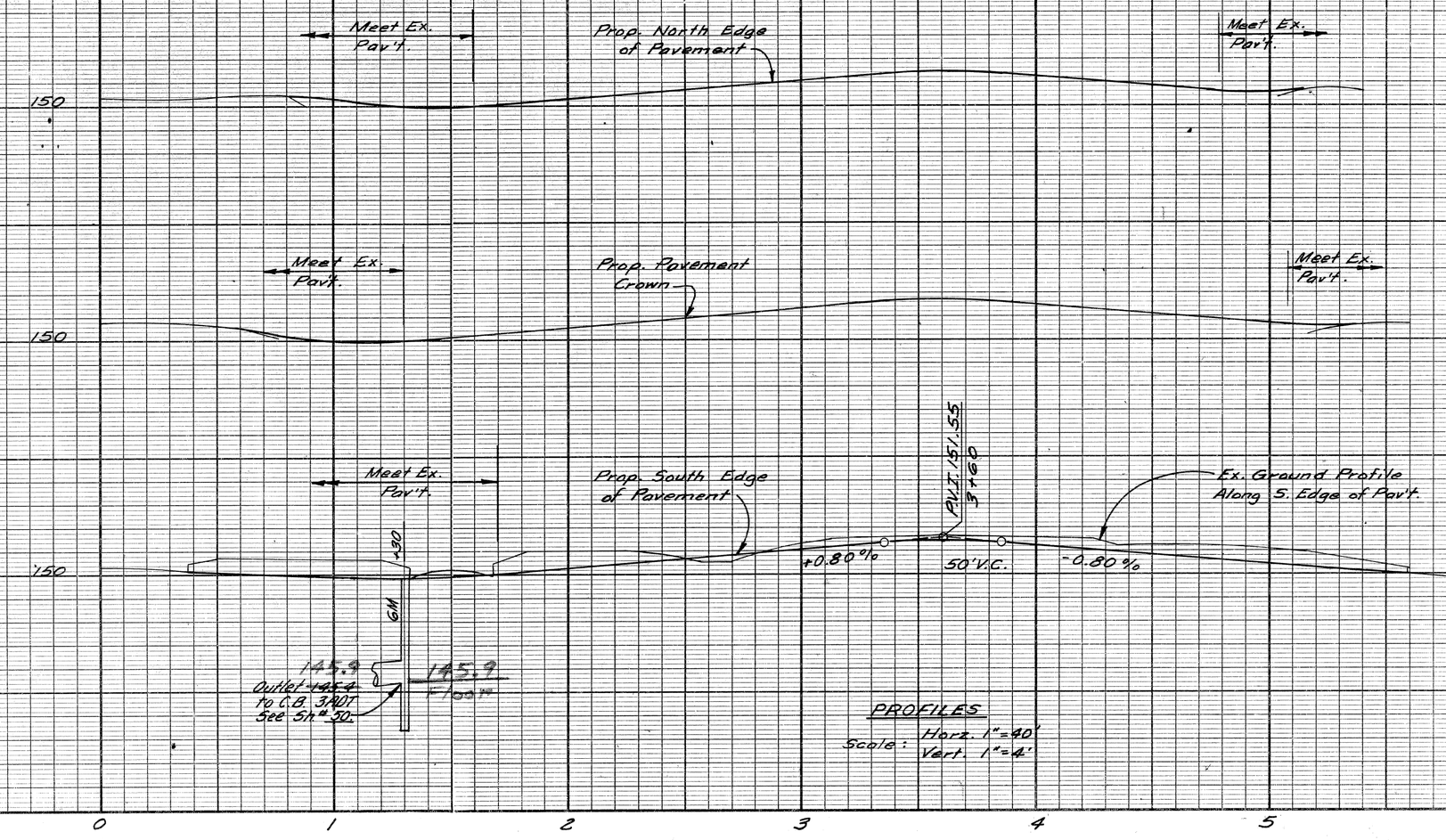
Concrete Curb, Detail 2	508 ~~522~~ Lin. Ft.
Bit. Conc. Leveling Course	0.7 Tons
Bit. Conc. Wearing Course, 31AA	10.7 Tons
Bituminous Bond Coat	4.1 ~~4.6~~ Gals.

Rec. 37

See Sh.# 1/6 for Billing of
1. All Barricades
2. Temp. Steel Beam Guard Rail
3. Temp. Concrete Sidewalk
4. Bit. Materials Required to Maintain Traffic During Construction of Approach Pavement.

ALL WORK THIS SHEET
CONTROL SECTION 82252 AC3

EARTH EXCAVATION ..... 129 Cu. Yds.
WASTE ..... 129 Cu. Yds.



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

PLAN AND PROFILE FOR DETOUR ROADWAY AT MILWAUKEE AVE.

FILE NO. USE NO. 350 STENCIL	82251F-C 41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53.52	

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

OPERATION	BY	DATE
SURVEYED	J.V. WICKEY	1-65
PLAN PLOTTED	J. KNOX	1-65
FIELD CHECKED		
PROFILE PLOTTED	R. DEJAIFFE	1-65
PROFILE CHECKED		
PRELIMINARY R.O.W. BE	Allan E. Hagan	1-65
FINAL R.O.W.		
GRADE INSPECTION		
FEDERAL INSPECTION		

AUTH.	DATE	REVISION
		FINAL R. O. W.

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

SURVEYED	BY	DATE
PLAN PLOTTED		
PLAN CHECKED		
PROFILE PLOTTED		
PROFILE CHECKED		
PREL. HWAY. GRADE		
FIELD INSPECTION		
FEDERAL INSPECTION		

J. V. MICKEY 1-65
M. POLITO 1-65
R. COMLY 1-65
Allan E. Kasper 1-65

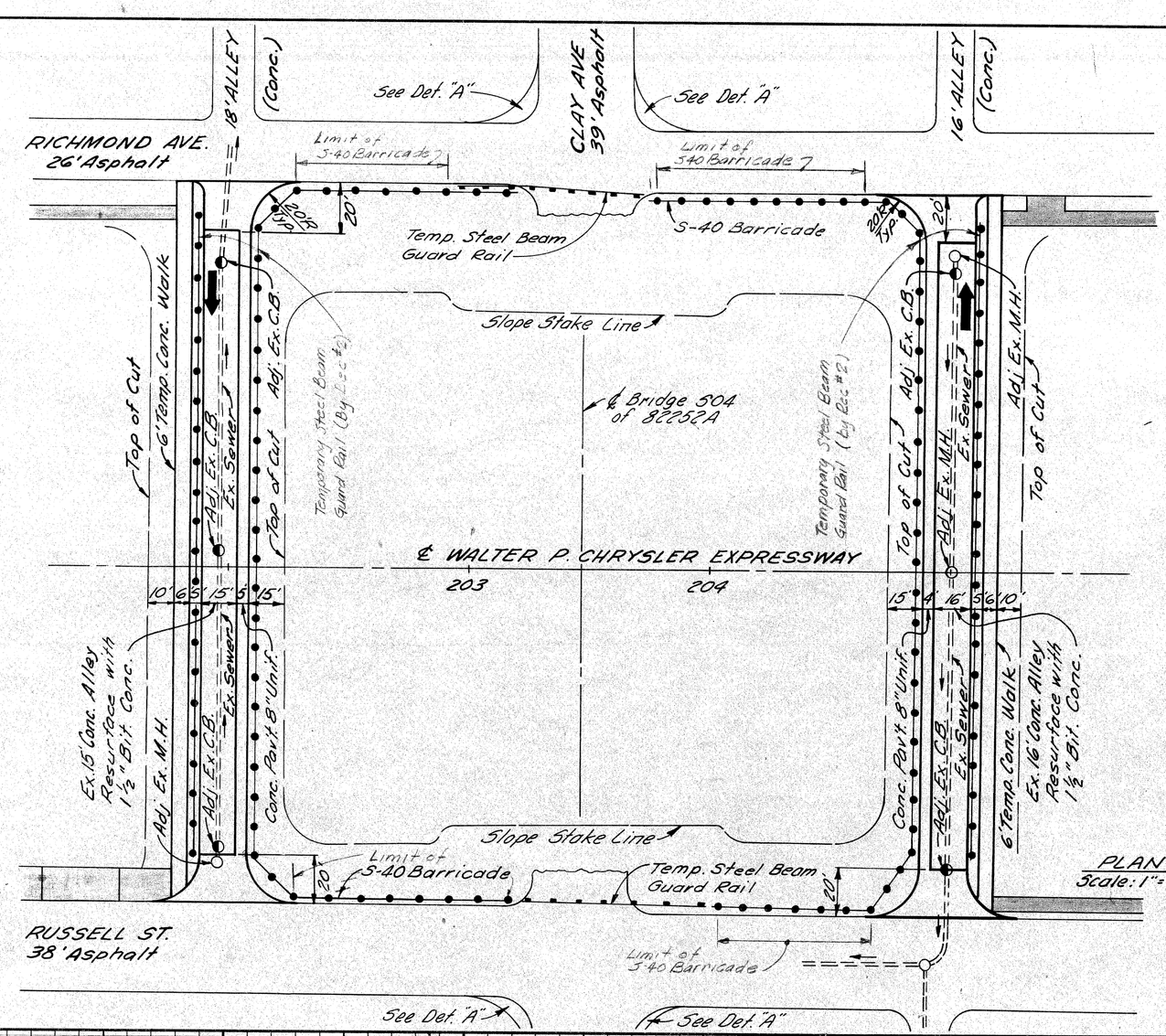
(Alley S. of Clay Looking West)

10' 6' 5' 15' 16' 5' 4' 15'

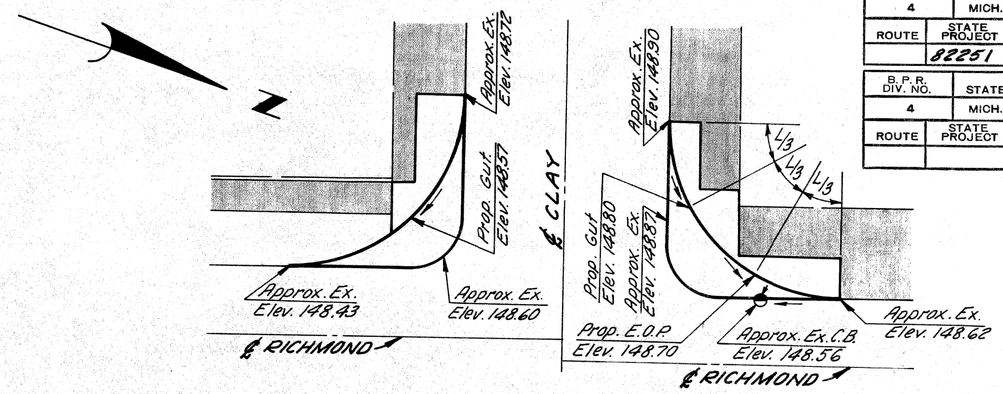
(Alley N. of Clay Looking East)

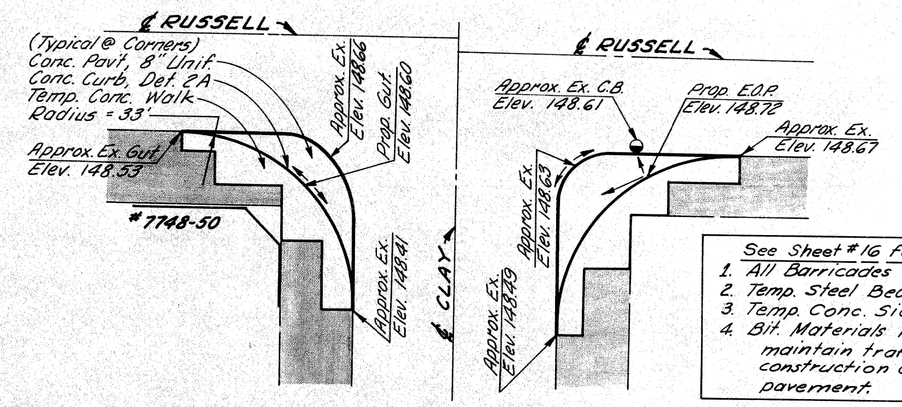
Top of Cut
1/2" per ft
1/2" per ft
Top of Cut
1/2
1
1
Temp. Conc. Sidewalk
S-40 Barricade
S-40 Barricade
1½" Resurfaced with Bit. Conc. Wearing Course 2S A
Ex. Conc. Alley
Conc. Pav't. 8" Unif.
S-40 Barricade
Temporary Steel Beam Guard Rail (By Dist. #2)

TYPICAL SECTION FOR DETOUR ROADWAY



PLAN
Scale: 1" = 40'





DETAIL "A"
Scale: 1" = 20'

See Sheet #16 for Billing of:
1. All Barricades
2. Temp. Steel Beam Guard Rail
3. Temp. Conc. Sidewalk
4. Bit. Materials required to maintain traffic during construction of approach pavement.

NOTES:
1. For Construction Sequence See Sh. # 15.
2. ▭ Existing Sidewalk to Remain

QUANTITIES THIS SHEET
Conc. Curb, Det. 2A ..... 208 Lin. Ft.
Preparing Ex. Pav't. ..... 52 Sta.
Bit. Conc. Wearing Course, 2S A ..... 100 ~~76~~ Tons
Bit. Bond Coat ..... ~~2,736~~ Gals.
Conc. Pav't. Patching - 8" Unit ..... ~~35.60~~ Sq. Yds.
Auth. 1031

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75(182)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	53	

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

ALL WORK THIS SHEET
CONTROL SECTION 82252 A C 3

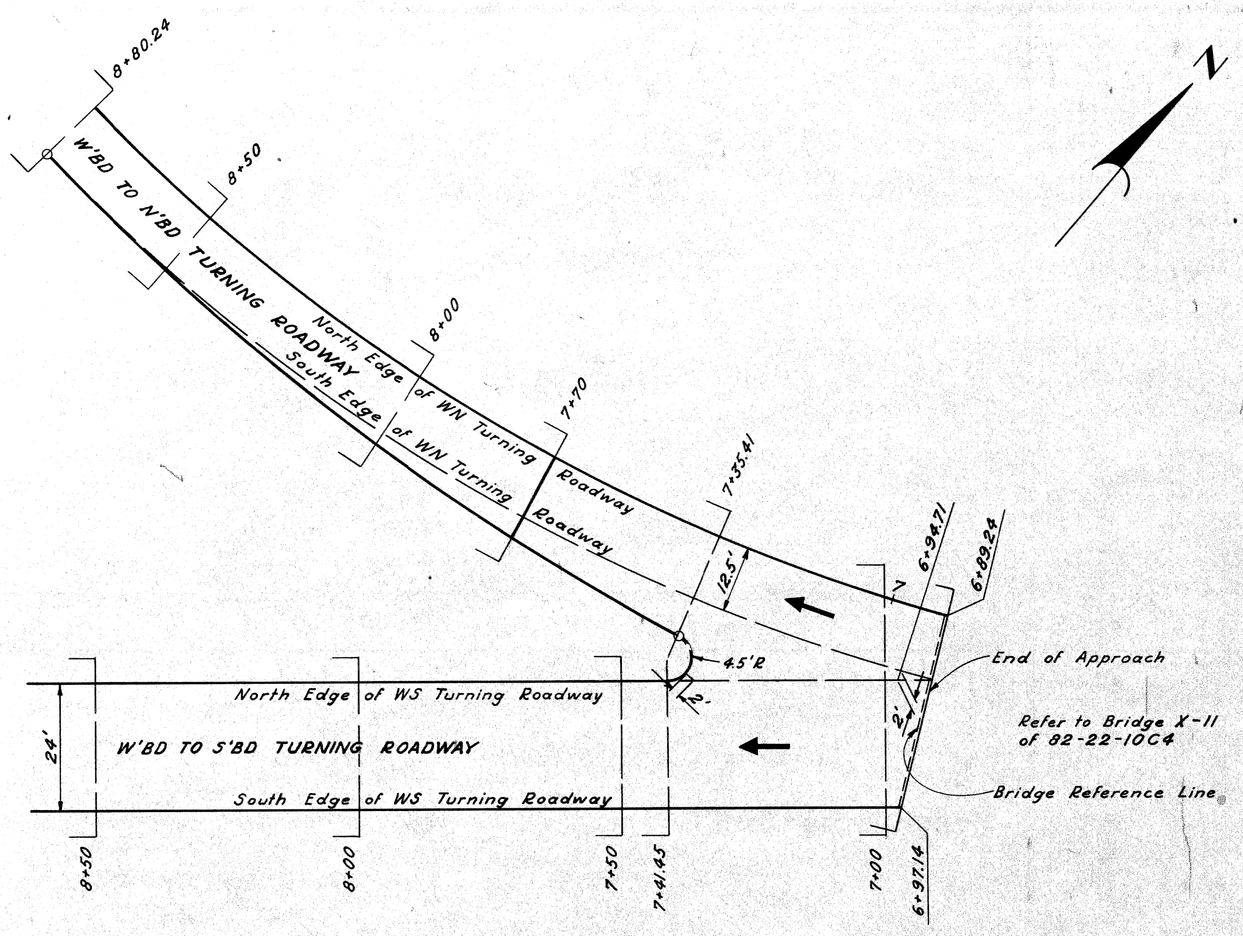
EARTH EXCAVATION ..... 44 Cu. Yds.
WASTE ..... 44 Cu. Yds.

Allen E. Kasper
4-7-65

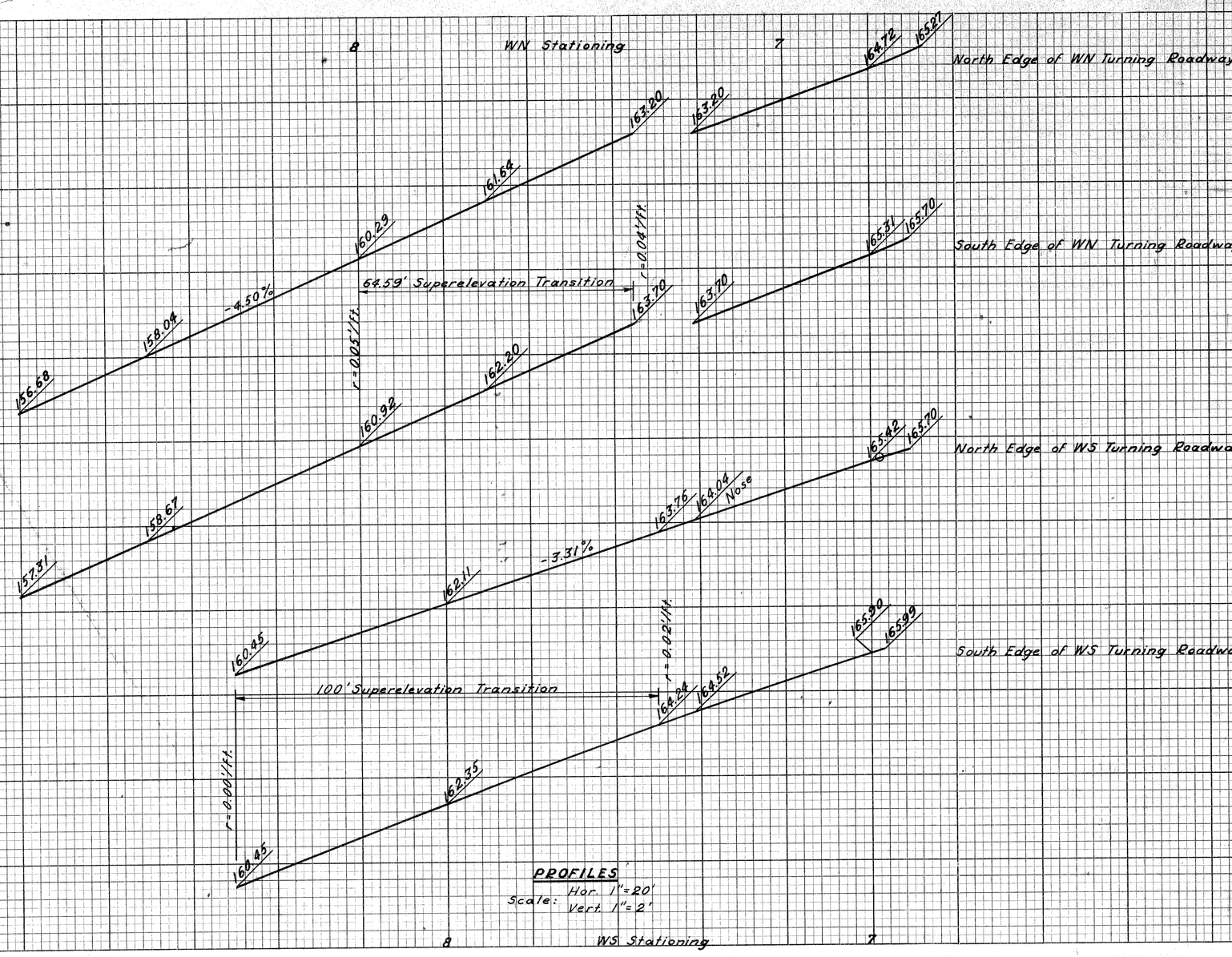
PLAN FOR
CLAY AVE. DETOUR

FILE NO. USE NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	F-75(182)53	53

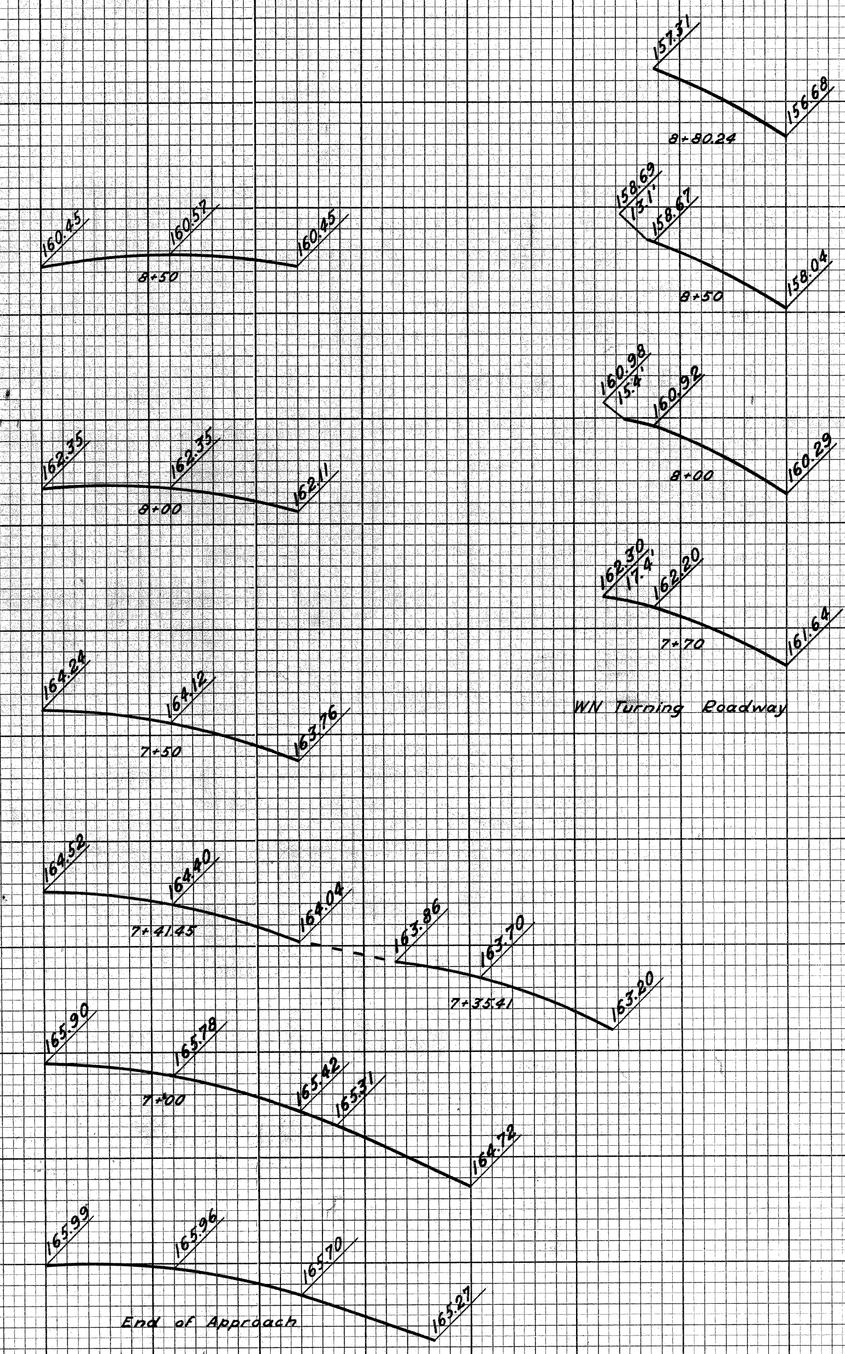
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	54	



PLAN
Scale: 1"=20'



PROFILES
Scale: Hor. 1"=20'
Vert. 1"=2'



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

DETAILED GRADES FOR W'BD FORD TO N'BD & S'BD CHRYSLER TURNING ROADWAYS AT BRIDGE X-11

FILE NO. FOR STATE NO. SSO STRNGR.	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
82251F-C 41	82251	F-75(82)53	54

FINAL SURVEY
ORIGINAL SURVEY
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
NOTE BOOK
NO.
DATE
BY

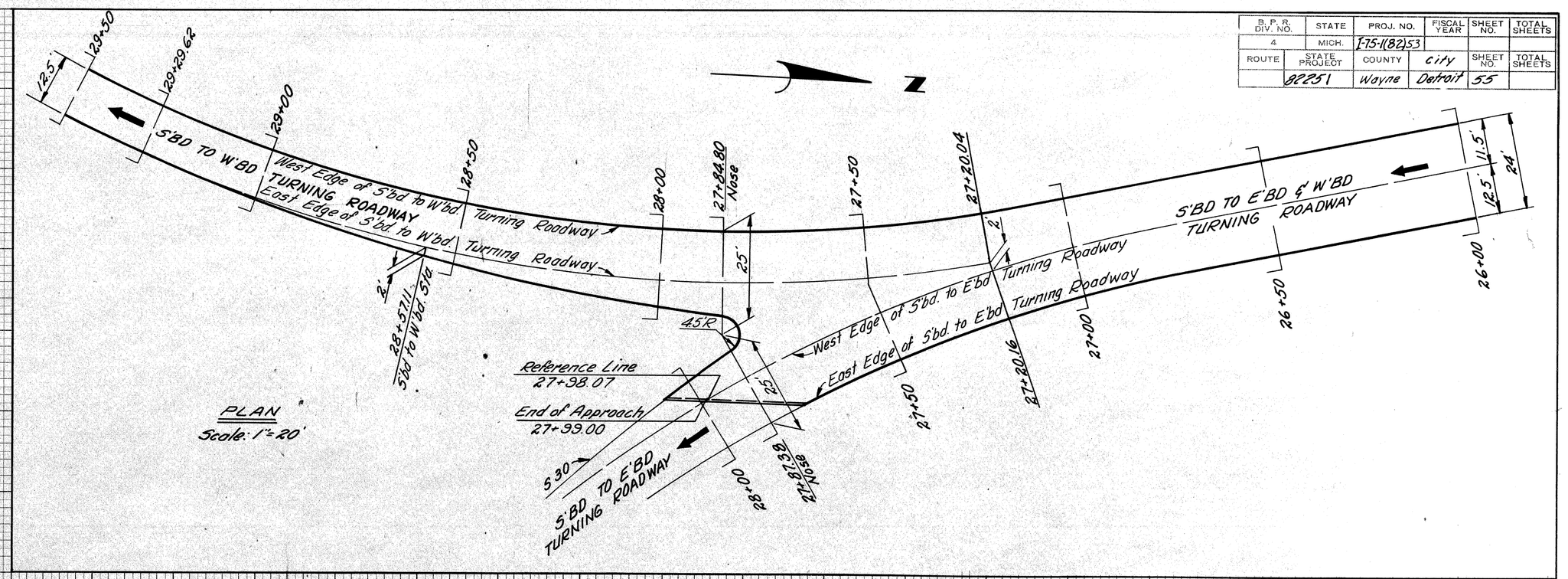
SQUAD LEADER
DRAWN BY
TRACED BY
CHECKED BY

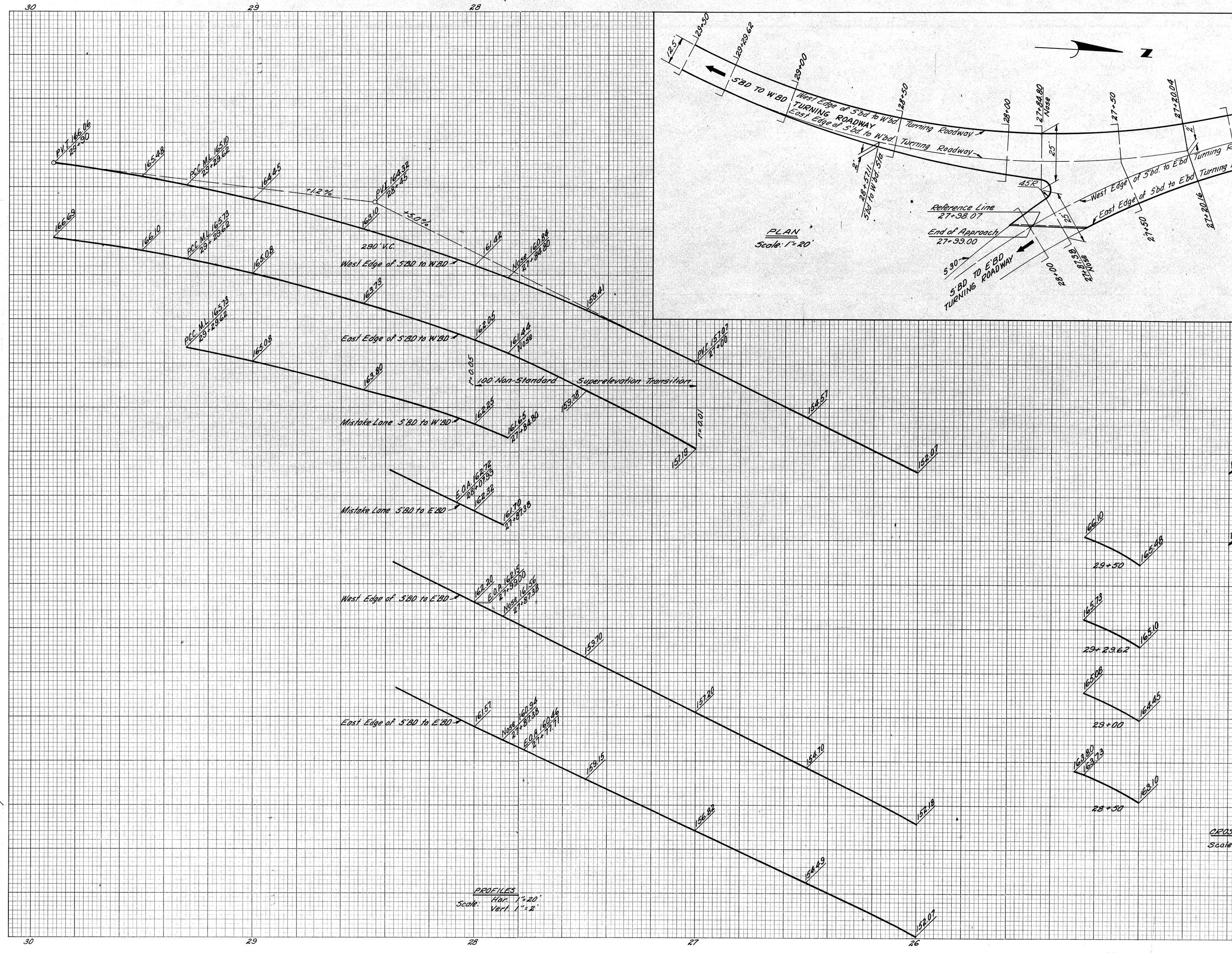
J. U. WILKEY
J. BREED
C. McCURRY
Alan E. Hogan

1-65
1-65
1-65
1-65

PLANS PREPARED BY
CITY OF DETROIT DPW
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEERS OFFICE
AND
MICH. DEPT. OF HIGHWAYS AND TRANSPORTATION

B. P. R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	55	



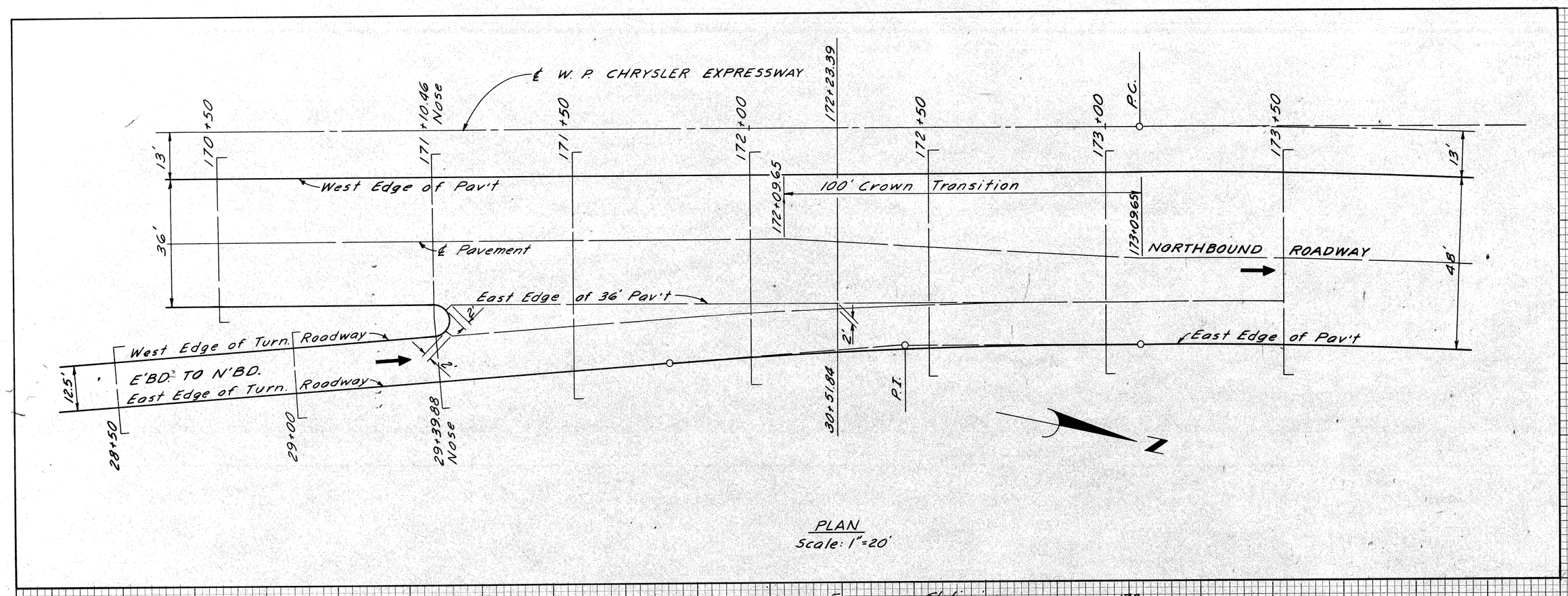


DATE	BY	PLOTTED	DRAWN	CHECKED
1-65	J.V. WICKSEY			
1-65	M. POLITO			
1-65	R. COMLY			
1-65	Allan E. Rogers			

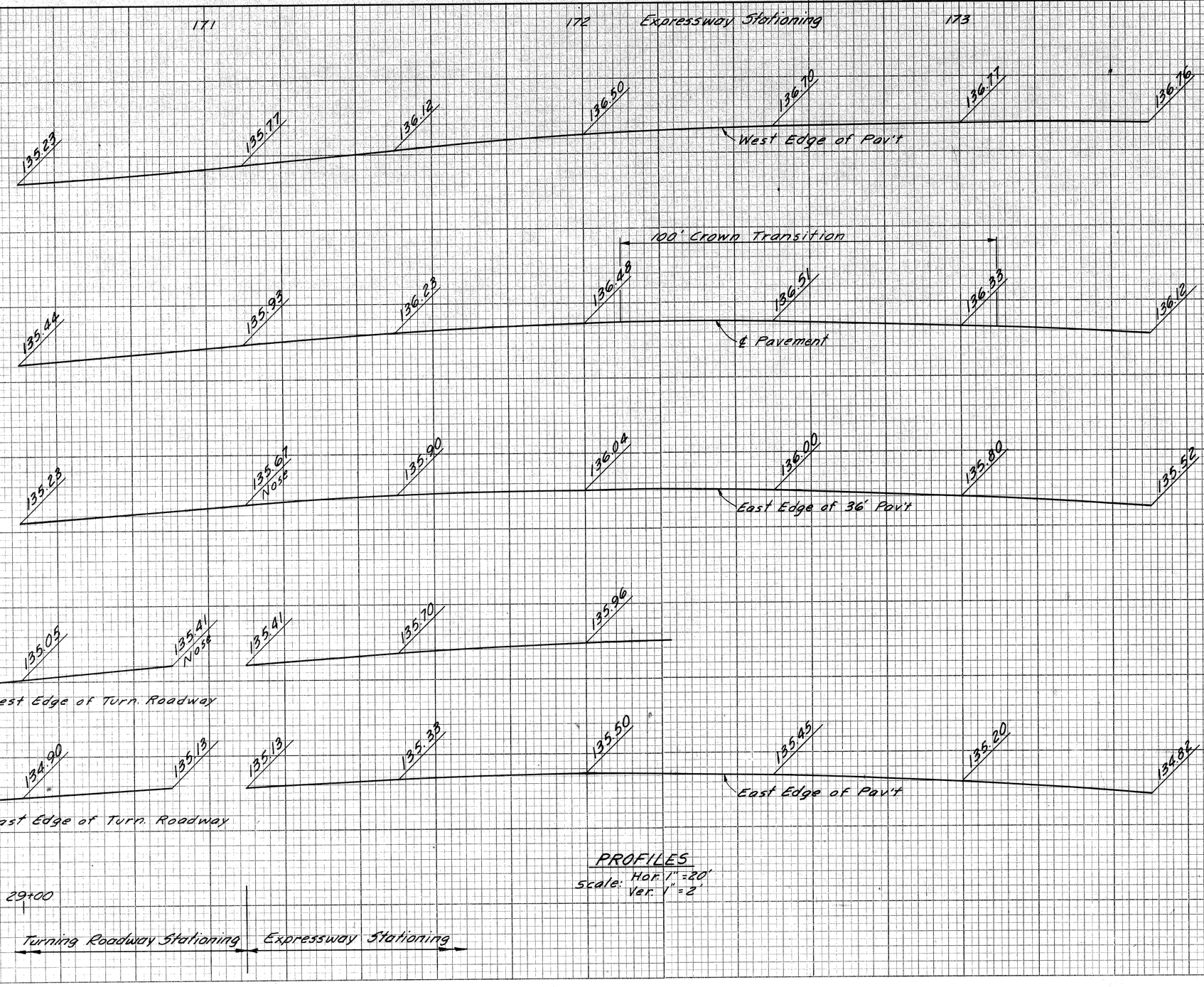
DETAILED GRADES FOR
S'BD. TO W'BD. AT S'BD. TO E'BD.
TURNING ROADWAY

FILE NO. USE NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	55

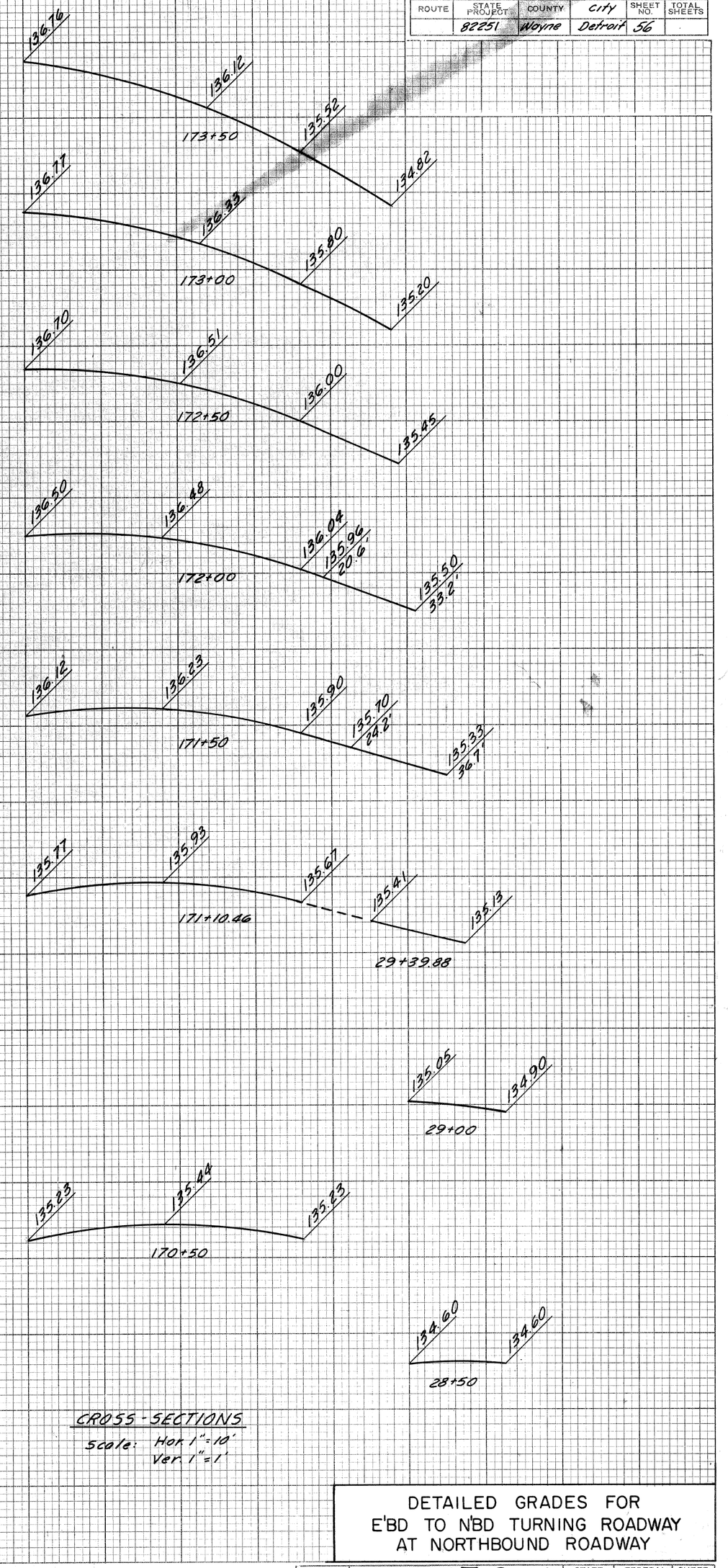
B. P. R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	56	



PLAN
Scale: 1"=20'



PROFILES
Scale: Hor. 1"=20'
Ver. 1"=2'



CROSS-SECTIONS
Scale: Hor 1"=10'
Ver 1"=1'

DETAILED GRADES FOR
E'BD TO N'BD TURNING ROADWAY
AT NORTHBOUND ROADWAY

FILE NO. USS NO. 330 STENCIL	8225IF-C 41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	56

	BY	DATE
PLOTTED	E. Parker	7-67
DRAWN		
TRACED		
CHECKED		

J.V. WICKEY 1-65
E. PALUCH 1-65
R. DESAIFFE 1-65
William E. Hagen 1-65

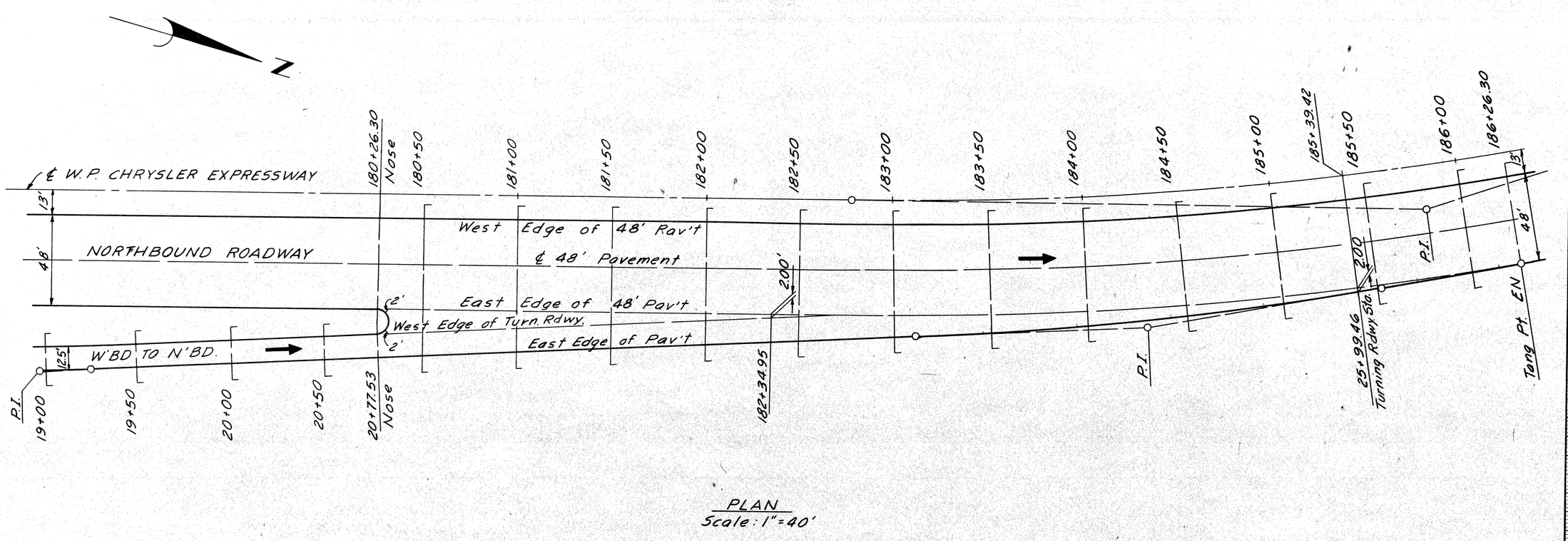
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	57	

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

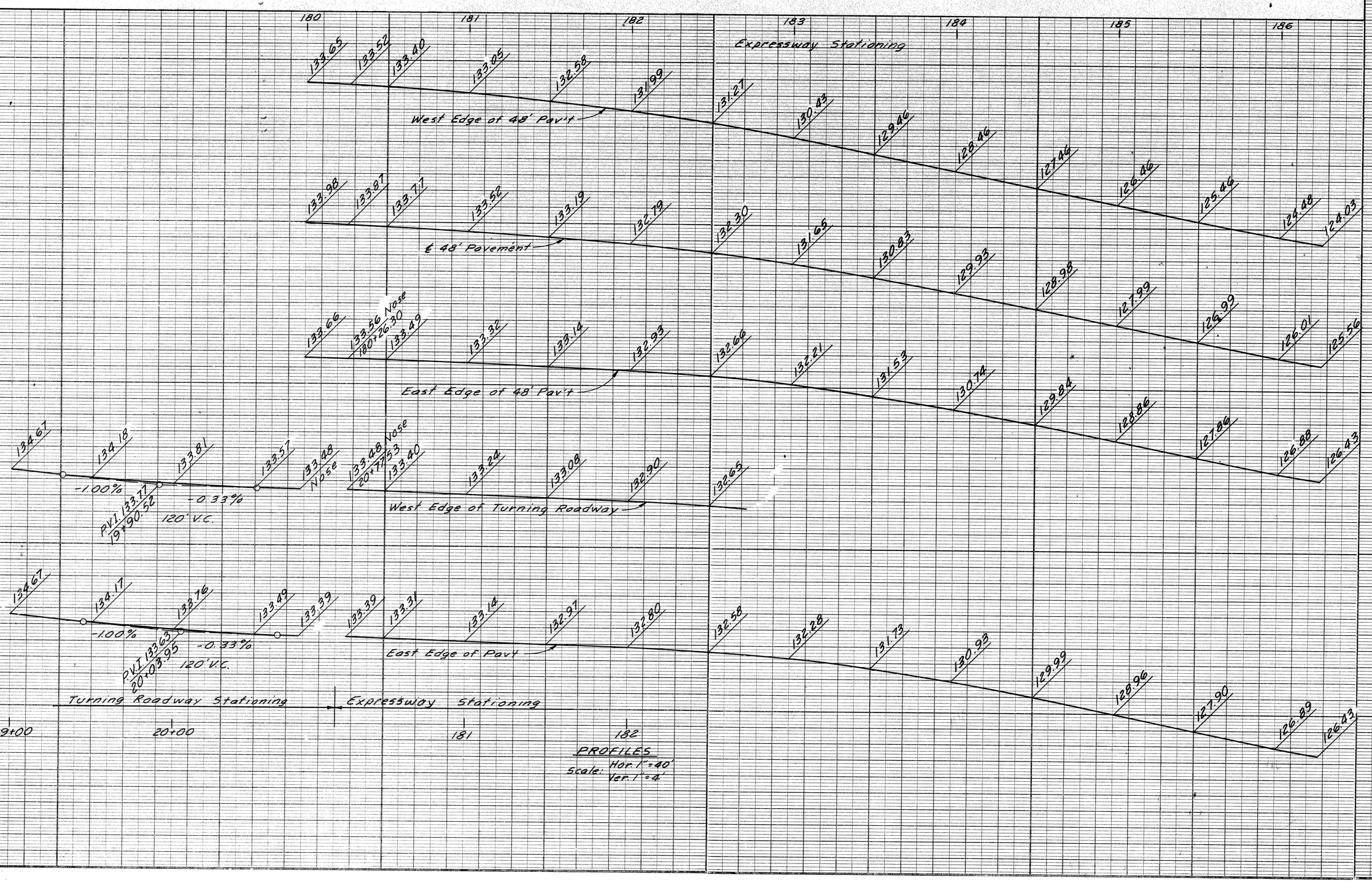
OPERATION	BY	DATE
SURVEYED		
PRELIMINARY C.W. CHECKED		
FINAL DESIGN		
FINAL DESIGN CHECKED		
PROFILE PLOTTED	E. Pasuch	7-63
PROFILE CHECKED		
FINAL R.O.W. MADE		
FINAL R.O.W. CHECK		
QUANTITIES		
QUANTITIES CHECKED		
SQUAD		
GRADE INSPECTION		
FEDERAL INSPECTION		

OPERATION	BY	DATE
PRELIMINARY C.W. CHECKED		
FINAL DESIGN		
FINAL DESIGN CHECKED		
PROFILE PLOTTED		
PROFILE CHECKED		
FINAL R.O.W. CHECK		
QUANTITIES		
QUANTITIES CHECKED		
SQUAD		

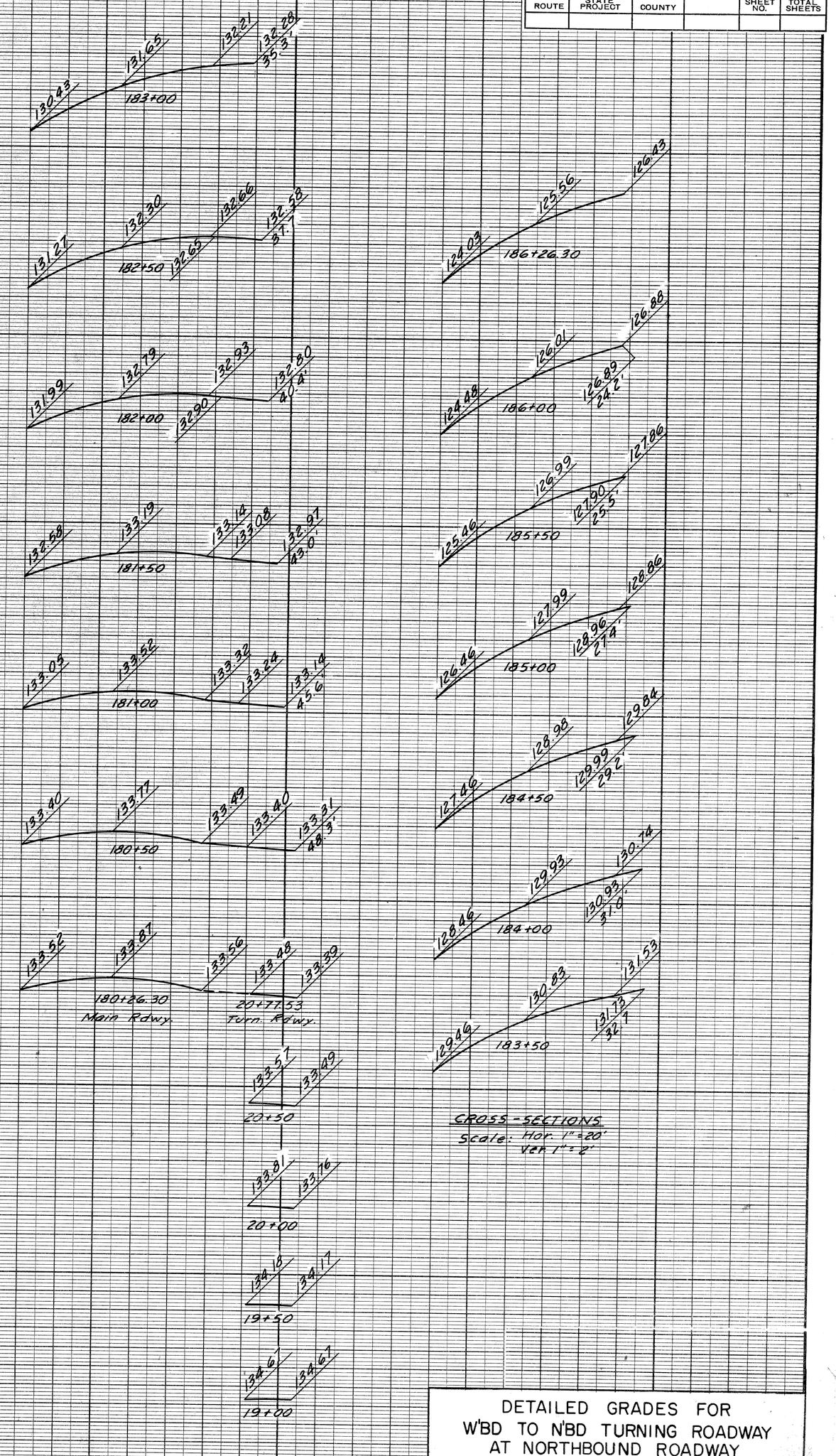
1-65 J.V. HICKEY
1-65 E. PASUCH
1-65 R. PLATER
Allen E. Fagan



PLAN
Scale: 1" = 40'



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



CROSS-SECTIONS
Scale: Hor. 1" = 20'
Ver. 1" = 2'

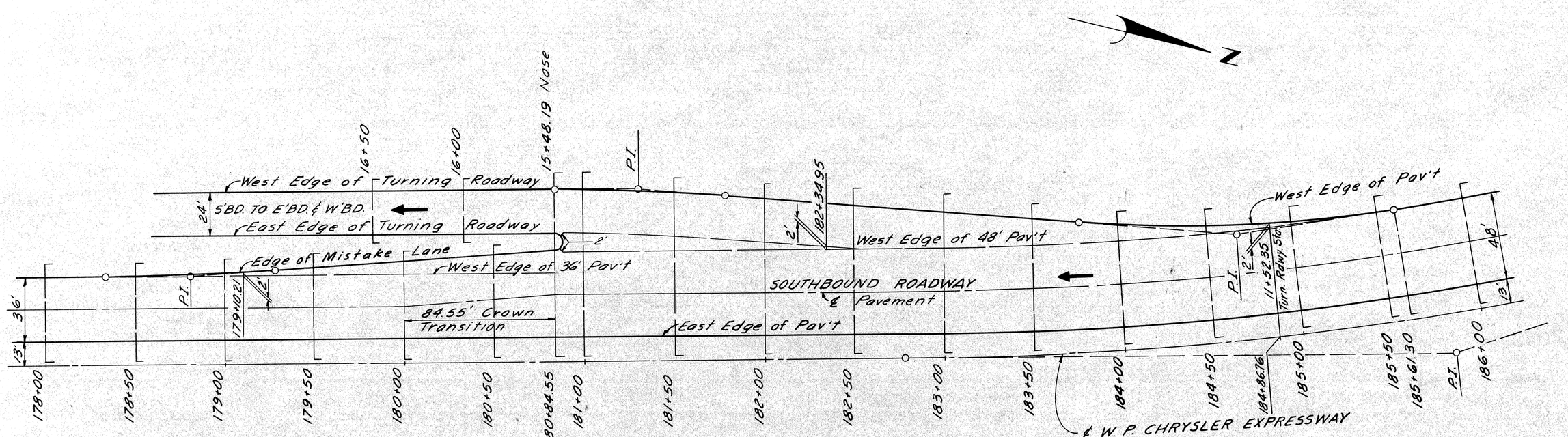
DETAILED GRADES FOR
W'BD TO N'BD TURNING ROADWAY
AT NORTHBOUND ROADWAY

FILE NO. USE NO. 330 STENCIL	82251F-C 41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	57

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(80)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	58	

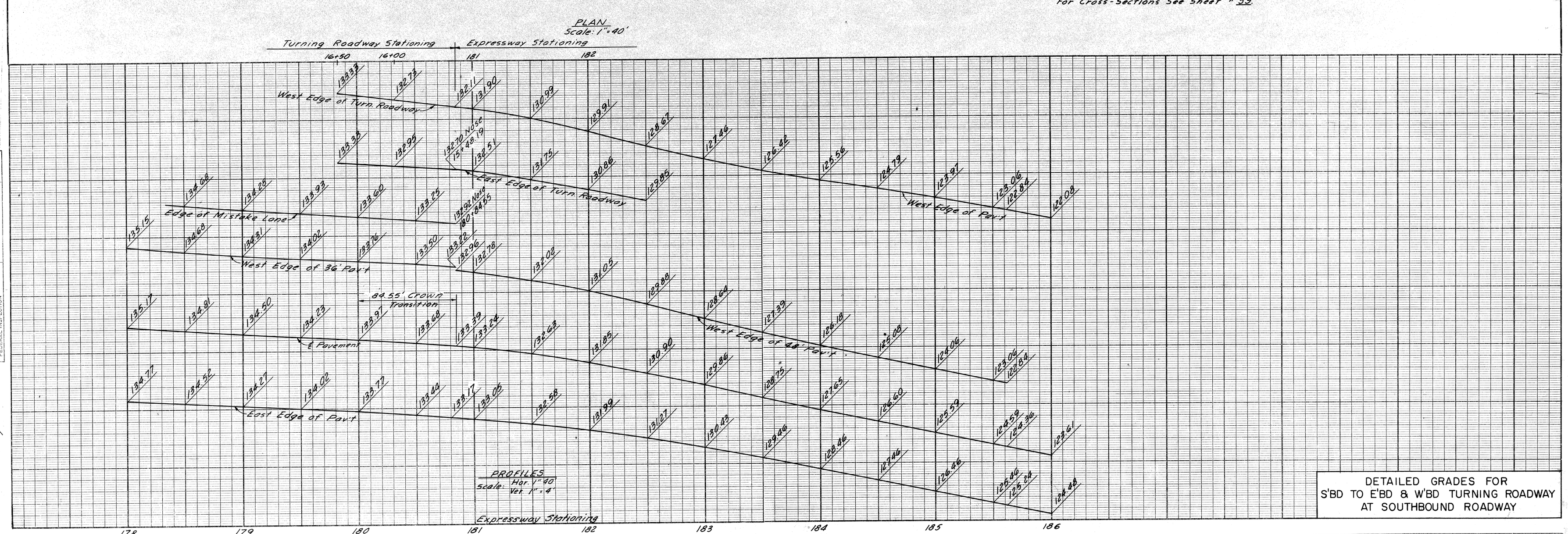
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

OPERATION	BY	DATE
PRELIMINARY R.O.W. CHECKED		
FINAL DESIGN		
FINAL DESIGN CHECKED		
TRACED	E. Patrick	8-63
FINAL R.O.W. CHECK		
QUANTITIES		
QUANTITIES CHECKED		
SQUAD		



For Cross-Sections See Sheet #59.

PLAN
Scale: 1"=40'



J.V. HICKEY 1-65
E. PRUSCH 1-65
C. LENTO 1-65
Allen E. Hogue 1-65

DETAILED GRADES FOR
S'BD TO E'BD & W'BD TURNING ROADWAY
AT SOUTHBOUND ROADWAY

FILE NO. SR NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(80)53	58

FILE NO.	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
USE NO SEP STENCIL	82251	F-75-1(82)53	59

8225IF-C 41

DETAILED GRADES FOR
S'BD TO E'BD & W'BD TURNING ROADWAY
AT SOUTHBOUND ROADWAY

Note:
For Plan and Profile
see Sheet # 58

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

184+00	129.46	127.65	126.18	125.56	123.83
184+50	127.46	126.40	125.08	124.79	123.82
185+00	126.46	125.59	124.06	123.97	123.06
185+50	125.46	124.59	123.06		
185+81.30	125.24	124.30	122.84		
186+00	124.48	123.61	122.08		

181+00	133.05	133.14	132.78	132.44	131.90
181+50	132.58	132.09	132.02	131.35	130.99
182+00	131.99	131.85	131.05	130.86	129.91
182+50	129.27	130.90	129.85	129.88	128.67
183+00	130.43	129.86	128.64	127.46	127.26
183+50	129.46	129.75	127.39	126.42	125.93

178+00	134.77	135.17	135.15		
178+50	134.52	134.81	134.68	134.58	134.18
179+00	134.27	134.50	134.31	134.18	133.93
179+50	134.02	134.23	134.02	133.93	133.50
180+00	133.77	133.97	133.76	133.50	133.33
180+50	133.44	133.68	133.50	133.25	132.95
180+84.55 North	133.17	133.39	133.28	132.96	132.70
181+88.19	132.11				

16+50	133.38	133.33			
16+00	132.73	132.95			

PLOTTED	
DRAWN	E. Pavlich
CHECKED	

BY	DATE
E. Pavlich	8-63

E.V. WICKEY	1-65				
E. PAVLICH	1-65				
R. COMLY	1-65				
Allan E. Pappas	1-65				

B. P. R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75-1(82)53			
	82251	Wayne	Detroit	59	

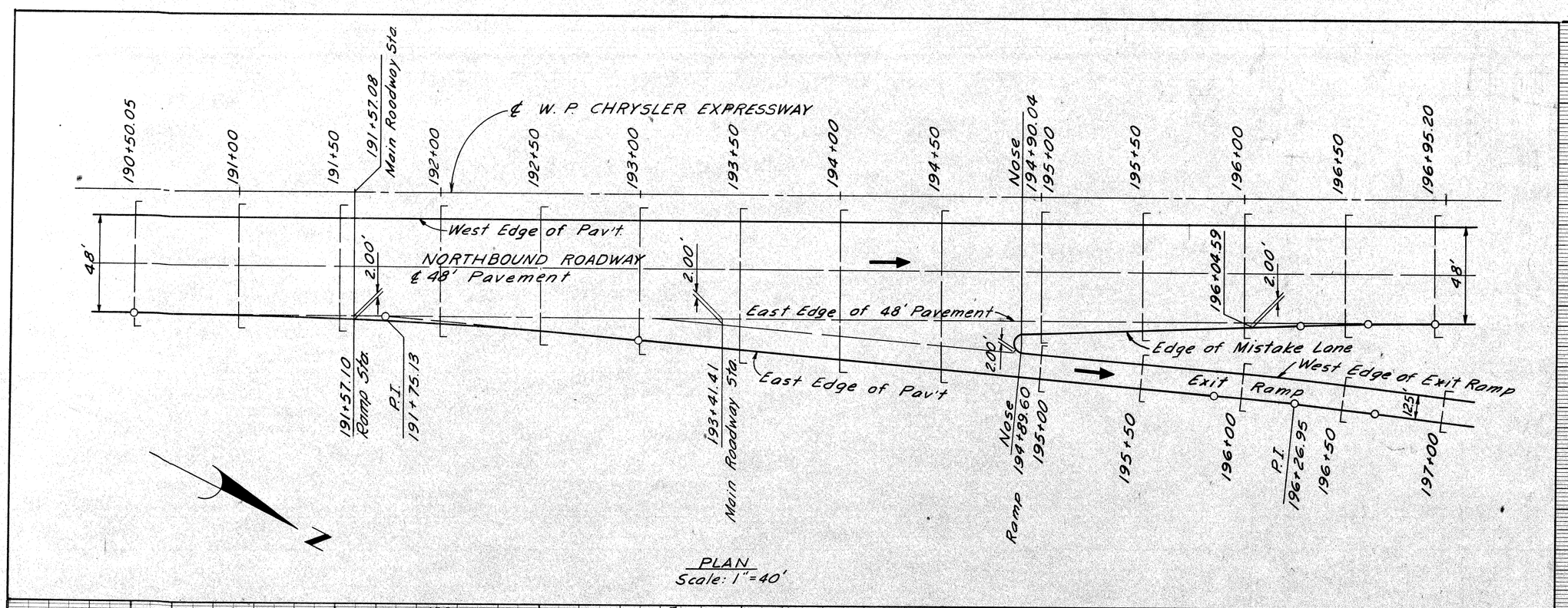
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	60	

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

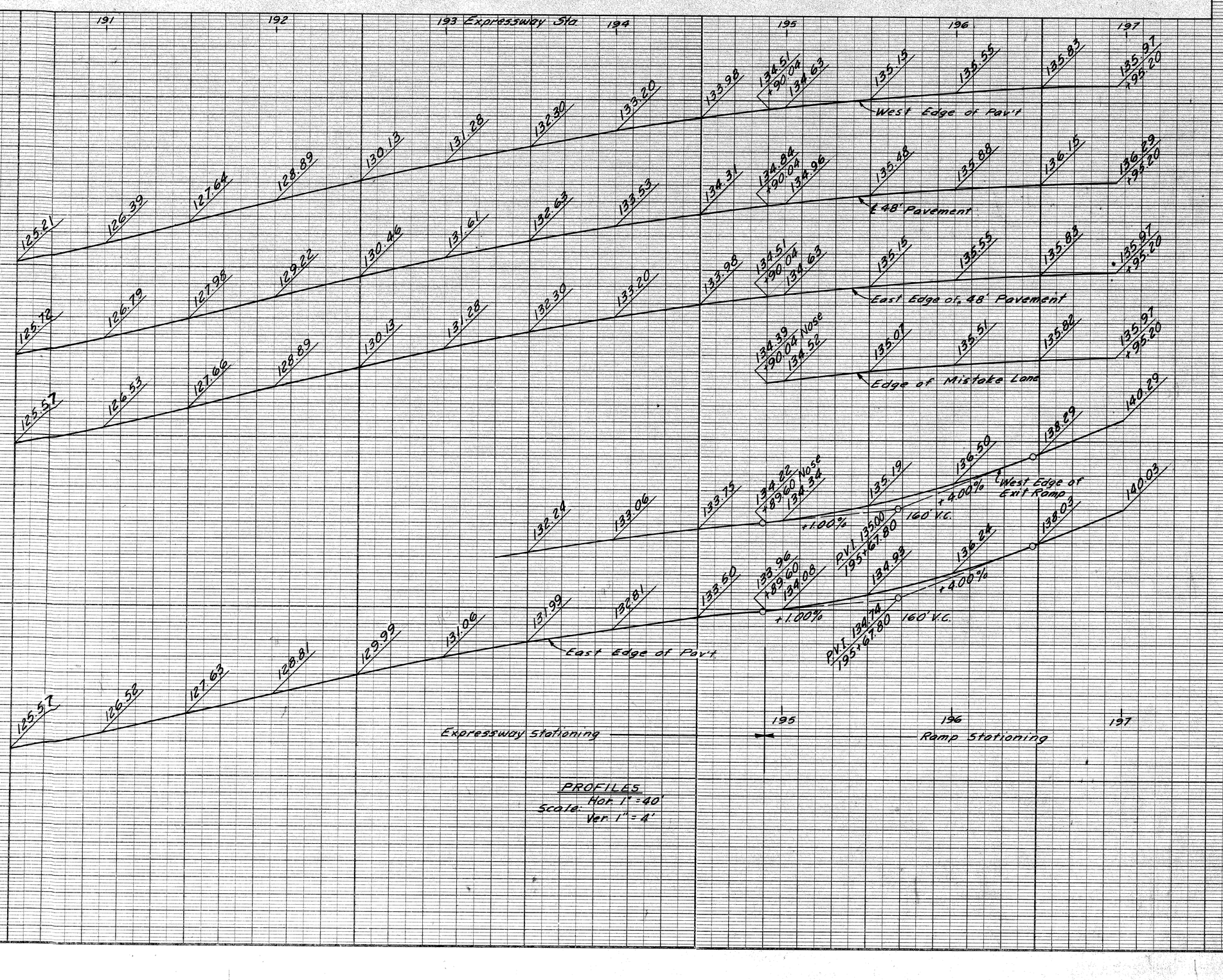
OPERATION	BY	DATE
SURVEYED		
PLAN PLOTTED		
PLAN DESIGN	E. Palech	7-63
PROFILE PLOTTED		
PROFILE CHECKED		
FINAL R.O.W. INSPECTION		
GRADE INSPECTION		
FEDERAL INSPECTION		

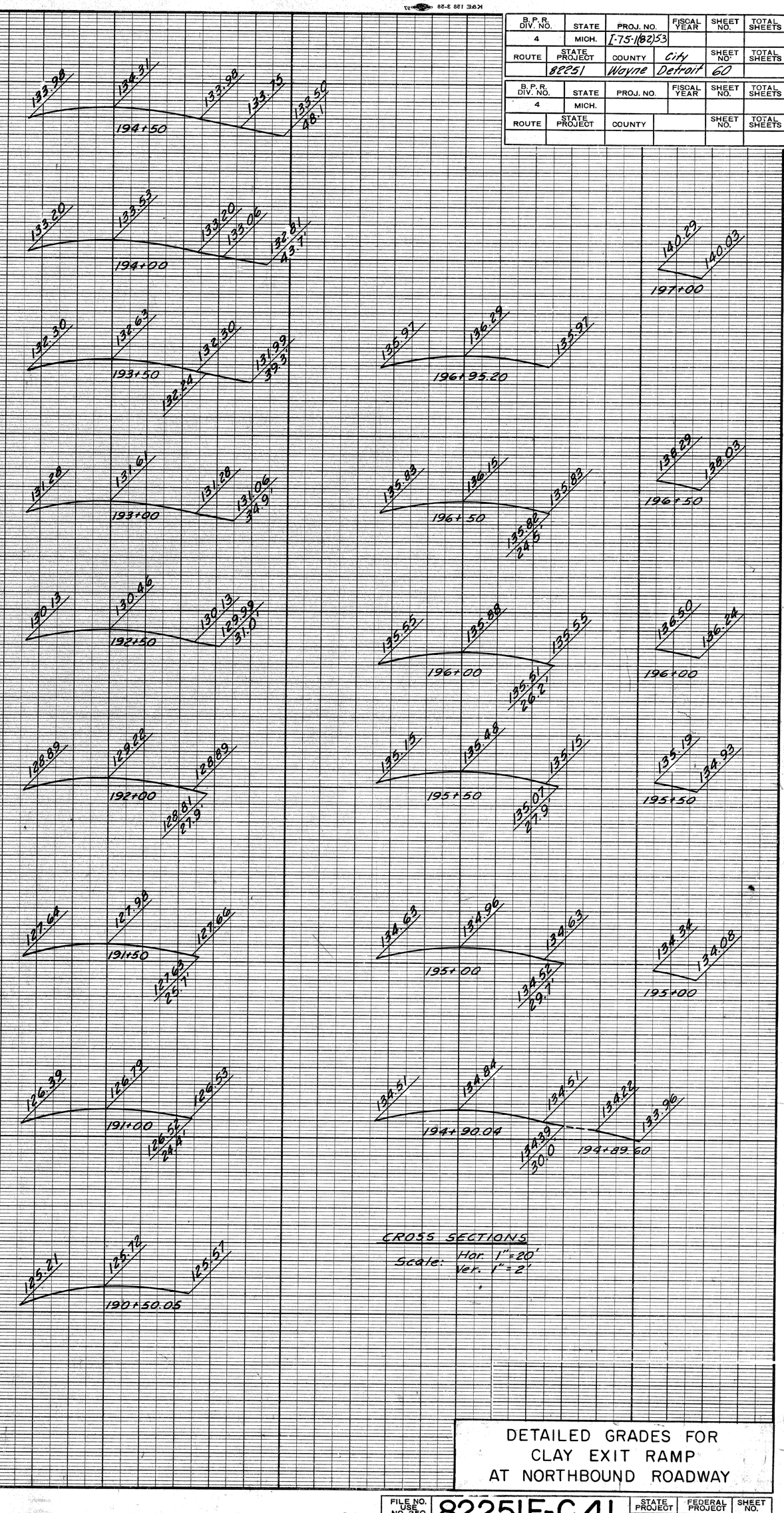
OPERATION	BY	DATE
PRELIMINARY R.O.W. CHECKED		
FINAL DESIGN		
FINAL DESIGN CHECKED		
FINAL QUANTITIES		
FINAL R.O.W. CHECK		
QUANTITIES		
QUANTITIES CHECKED		
SQUAD		

J.V. MICKEY 1-65
E. PALECH 1-65
R. PLATER 1-65
Allan E. Ferguson



PLAN
Scale: 1"=40'





DETAILED GRADES FOR
CLAY EXIT RAMP
AT NORTHBOUND ROADWAY

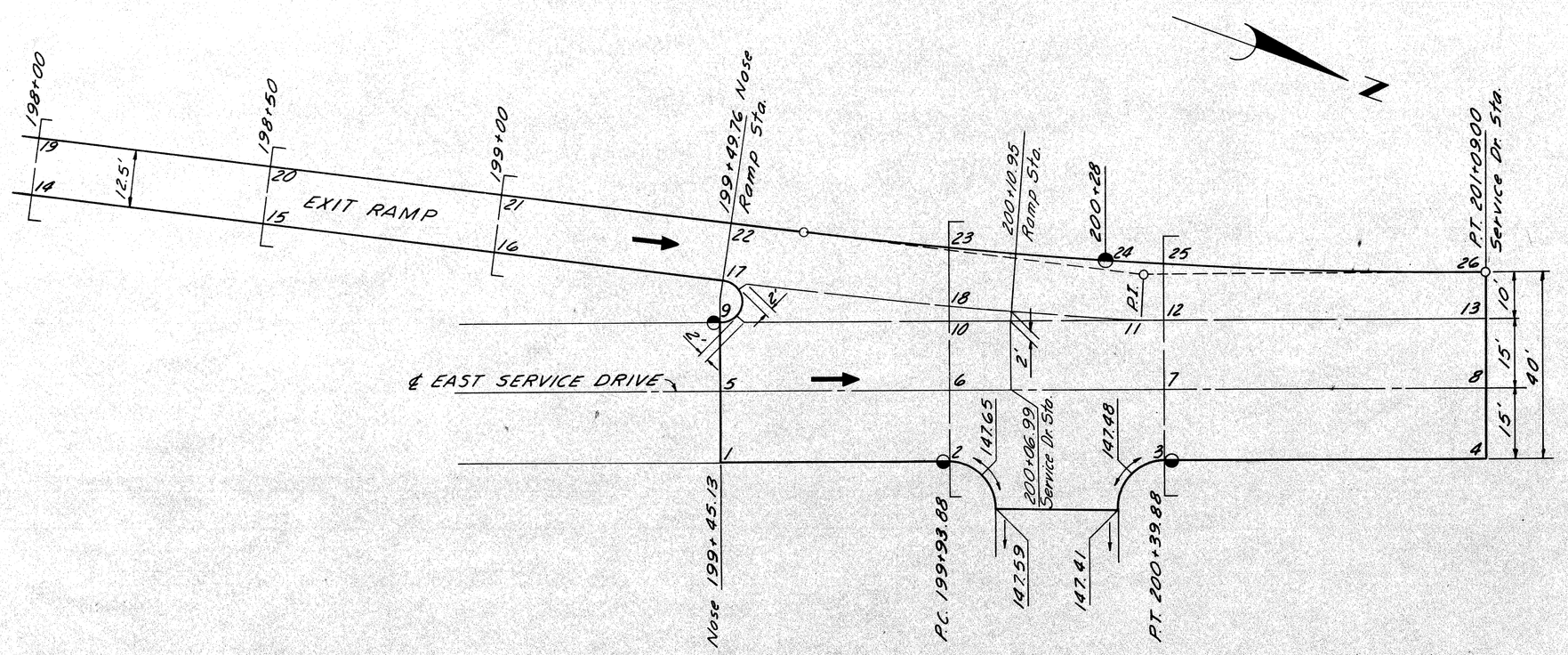
FILE NO. 1350 NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	60

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	61	

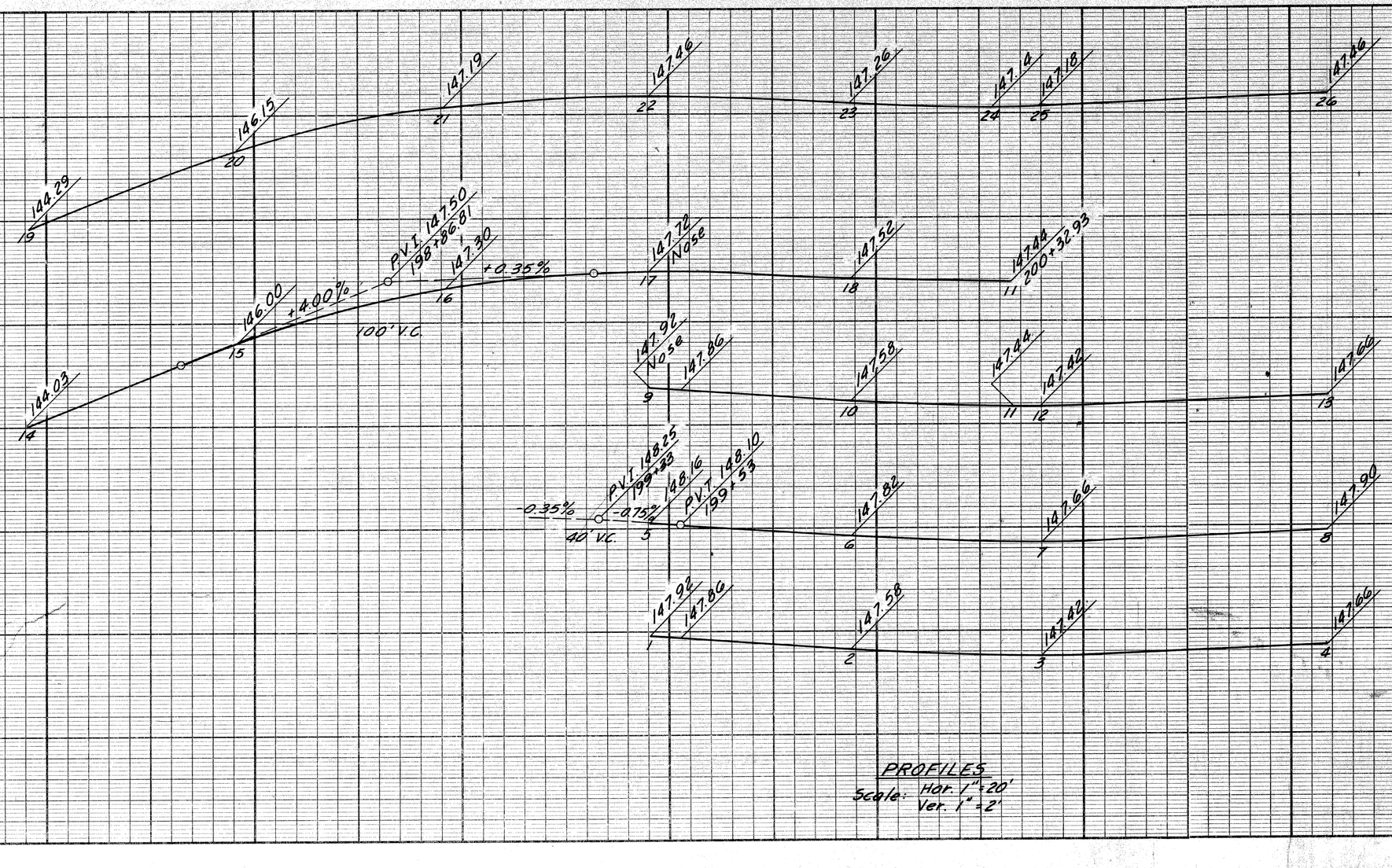
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

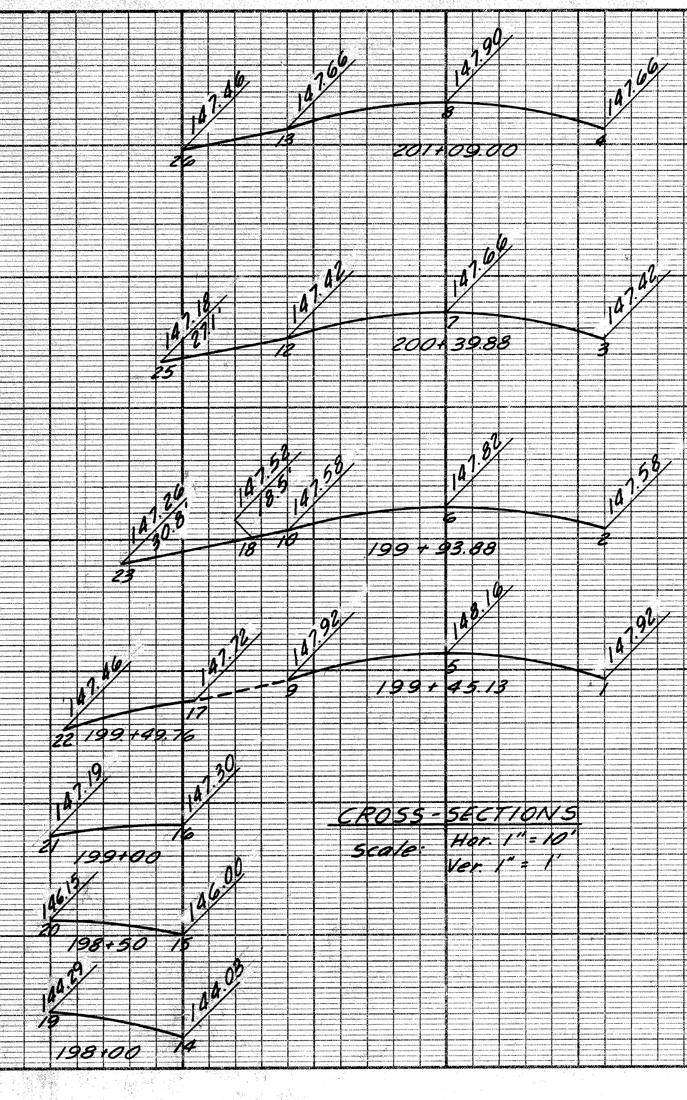
OPERATION	BY	DATE
PRELIMINARY R.O.W. CHECKED		
FINAL DESIGN		
FINAL DESIGN CHECKED		
TRACED	E. Palech	9-63
FINAL R.O.W. CHECK		
QUANTITIES		
QUANTITIES CHECKED		
SQUAD		

OPERATION	BY	DATE
SURVEYED	J.V. WICKEY	1-65
PLAN PLOTTED	E. PALECH	1-65
PLAN CHECKED		
PROFILE PLOTTED	C. LEHTO	1-65
PROFILE CHECKED		
PRELIMINARY GRADE	Allan E. Forgue	1-65
CROSS INSPECTION		
FINAL INSPECTION		



PLAN
Scale: 1" = 20'





DETAILED GRADES FOR CLAY EXIT RAMP AT EAST SERVICE DR.

FILE NO. USE NO. 350 STENCIL	82251F-C41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	F-75-1(82)53	61

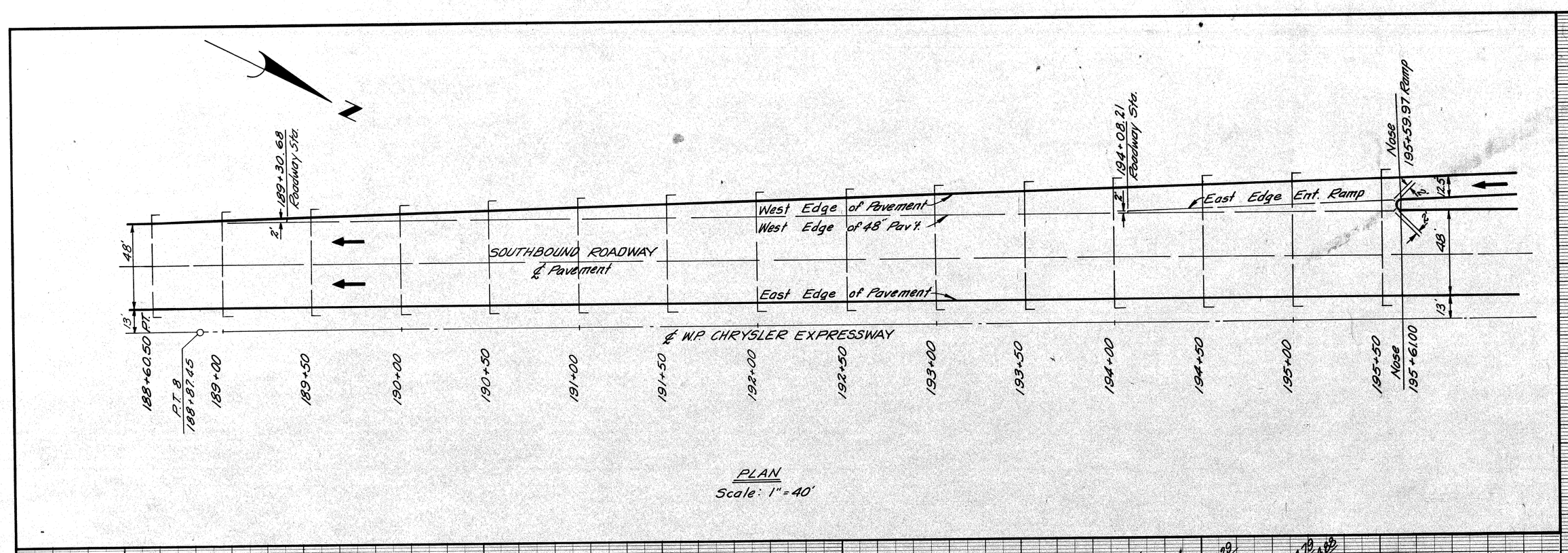
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-4(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	62	

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

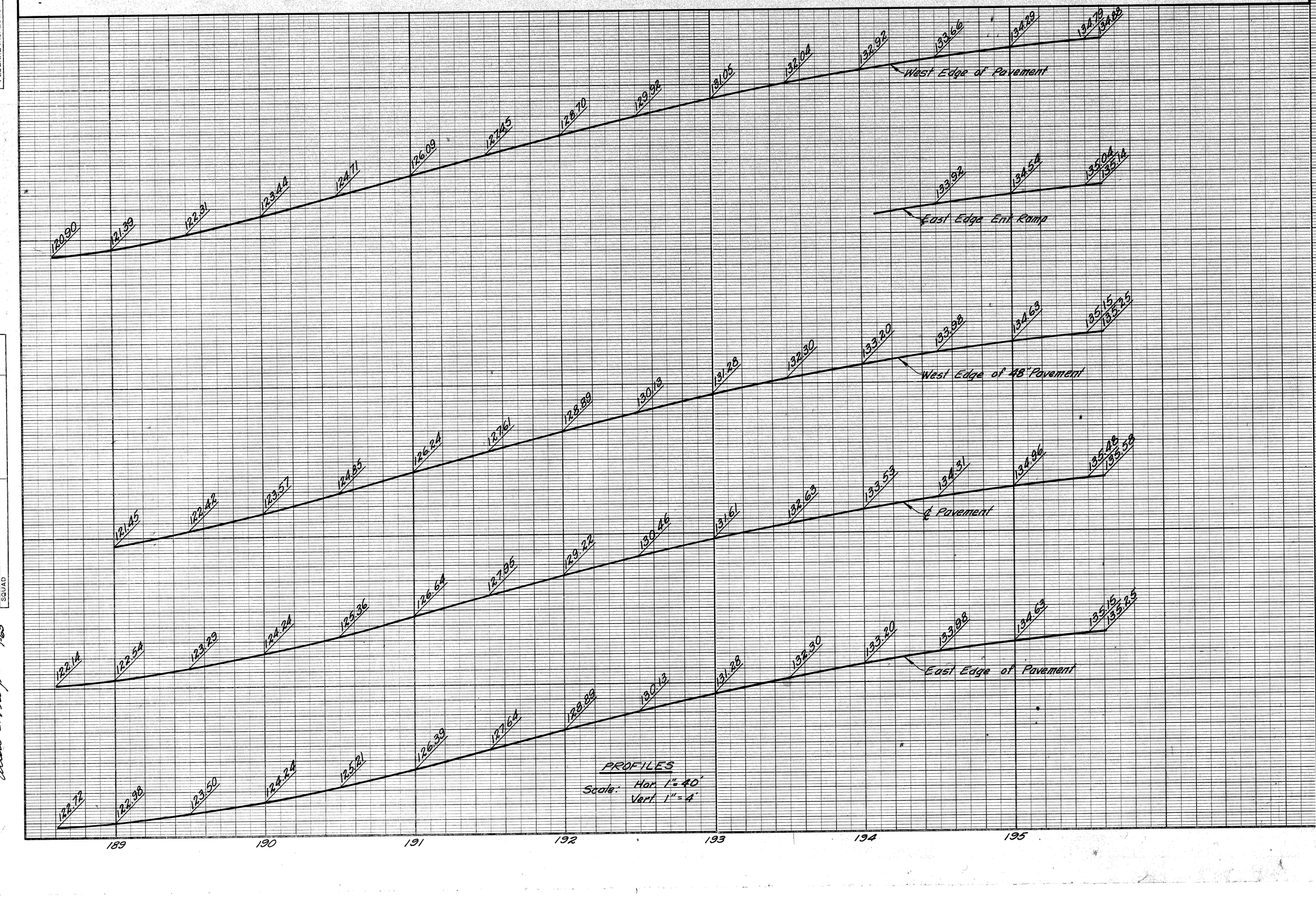
OPERATION	BY	DATE
SURVEYED		
PLAN PLOTTED		
PLAN CHECKED		
PROFILE PLOTTED		
PROFILE CHECKED		
PRELIMINARY R.O.W. CHECK		
TRACED		
FINAL R.O.W. CHECK		
QUANTITIES		
QUANTITIES CHECKED		
SQUAD		

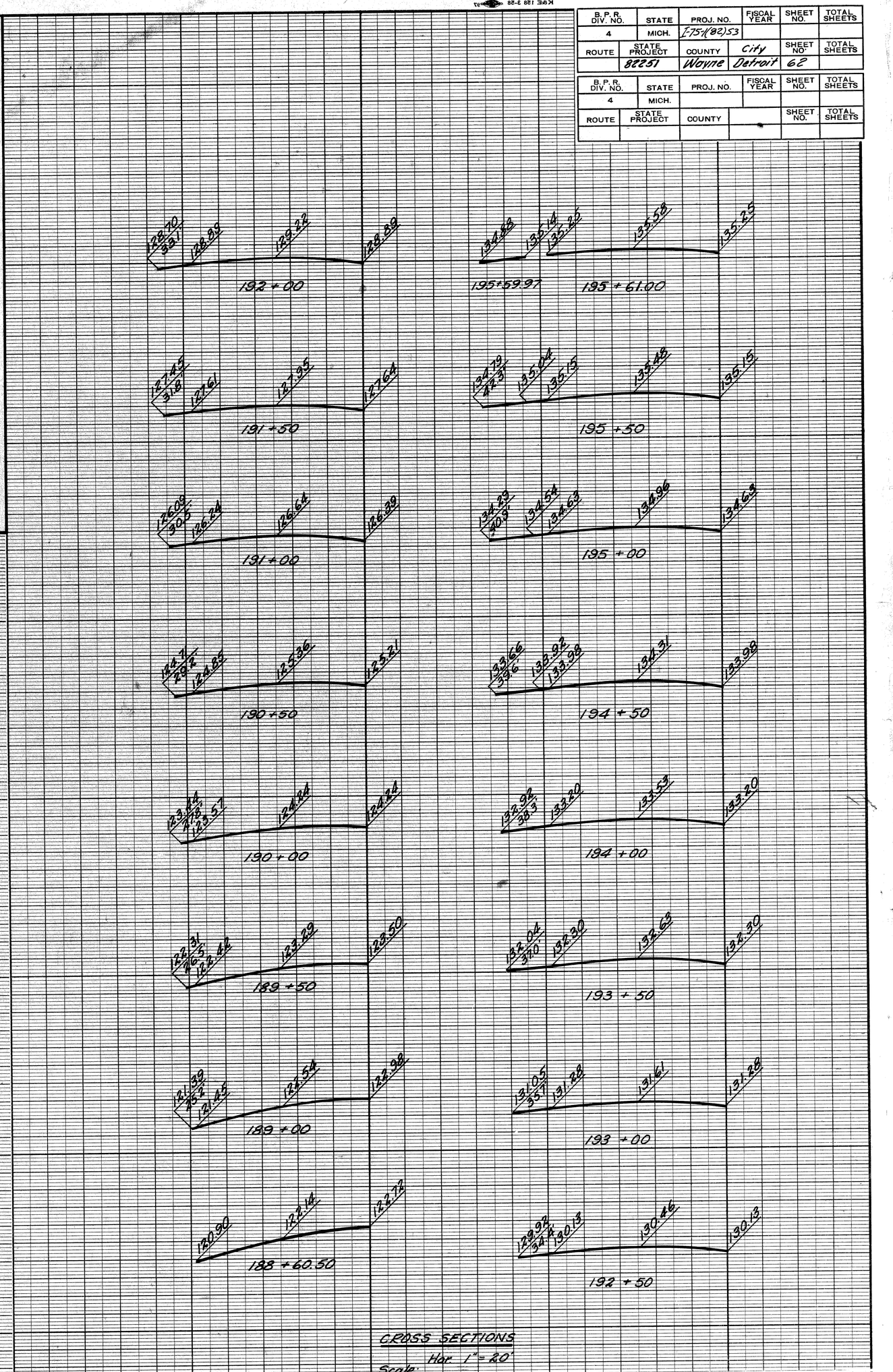
OPERATION	BY	DATE
PRELIMINARY R.O.W. CHECKED		
FINAL DESIGN		
FINAL DESIGN CHECKED		
TRACED		
FINAL R.O.W. CHECK		
QUANTITIES		
QUANTITIES CHECKED		
SQUAD		

J. WICKEY 1-65
M. ARLITO 1-65
R. PLATER 1-65
Allen E. Ferguson 1-65



PLAN
Scale: 1" = 40'

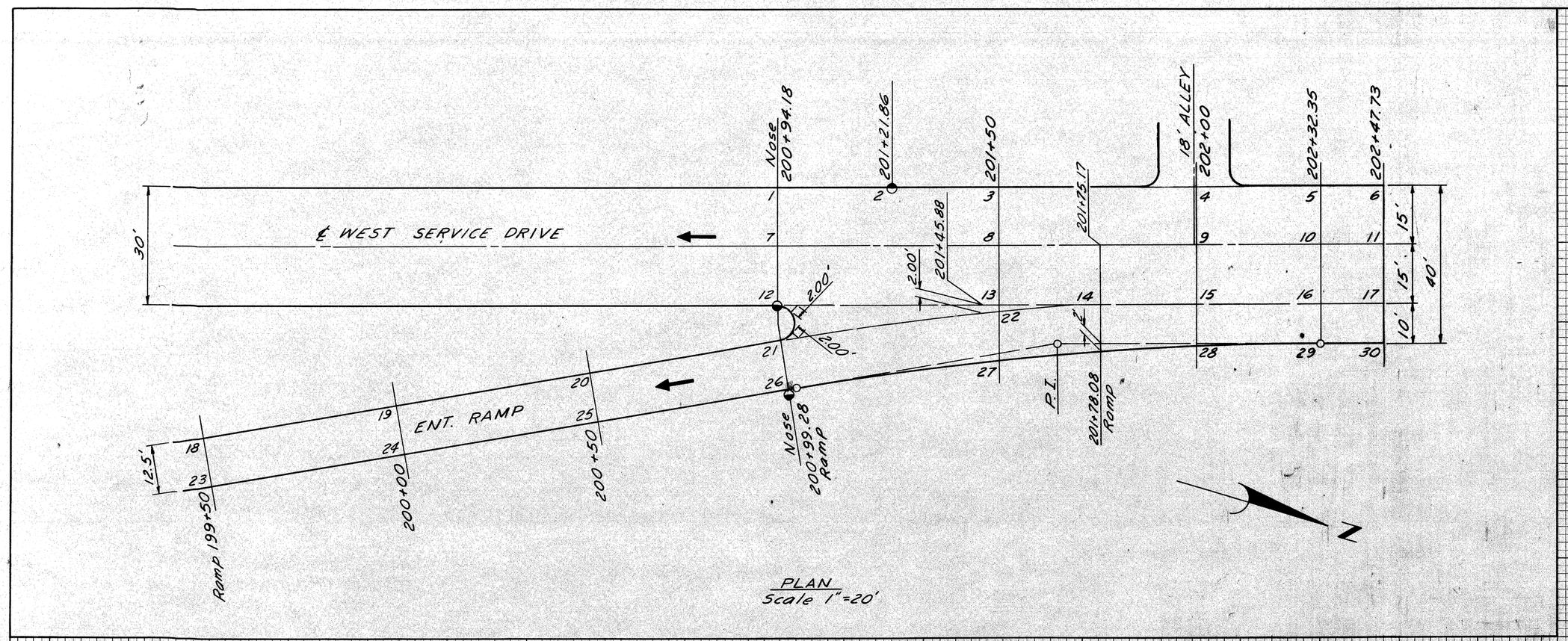




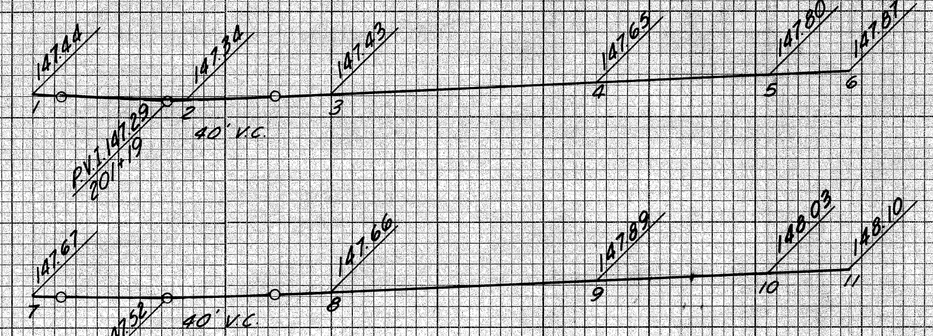
DETAILED GRADES FOR
CLAY ENTRANCE RAMP
AT SOUTHBOUND ROADWAY

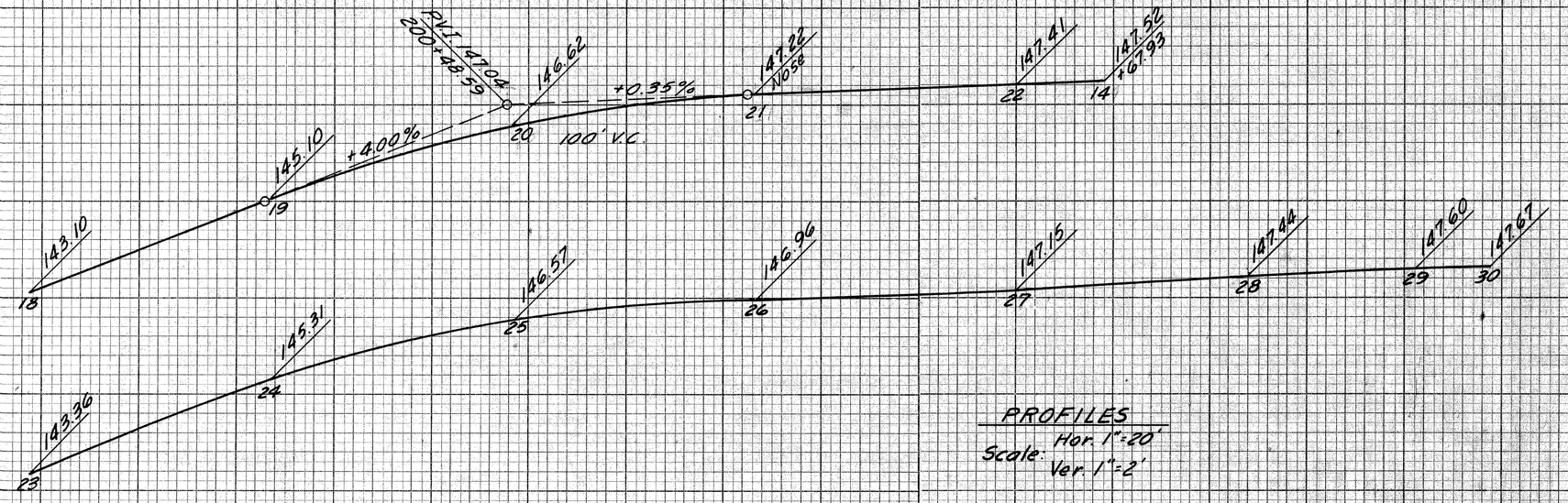
FILE NO. USE NO. SHOWN ON STENCIL	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
8225IF-C41	82251	I-75-4(82)53	62

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	I-75-1(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	63	

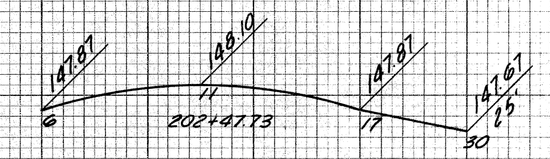


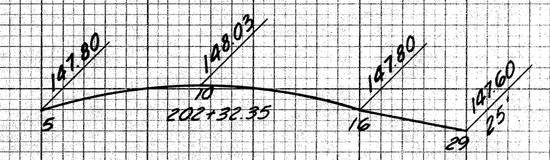
PLAN
Scale 1"=20'

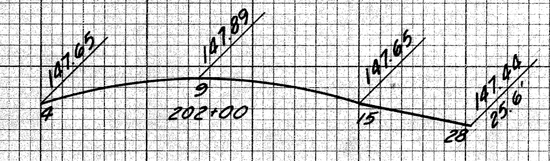


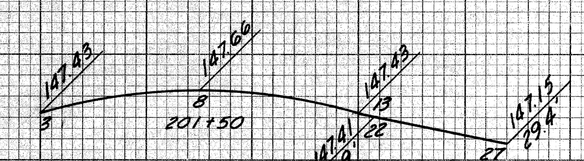


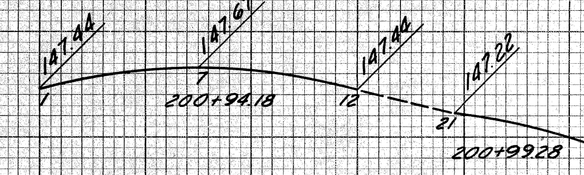
PROFILES
Scale: Hor. 1"=20'
Ver. 1"=2'

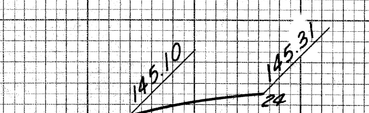


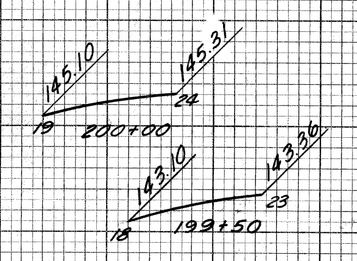












CROSS SECTIONS
Scale: Hor. 1"=10'
Ver. 1"=1'

DETAILED GRADES FOR
CLAY ENTRANCE RAMP
AT WEST SERVICE DRIVE

FILE NO. USE NO. 1350 STENCIL	82251F-C 41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	I-75-1(82)53	63

PLOTTED	BY	DATE
COMPUTED	E. Polich	6/83
CHECKED		

J.V. WICKEY 1-65
E. POLICH 1-65
R. DETAIFFE 1-65
Allen E. Hayes 1-65

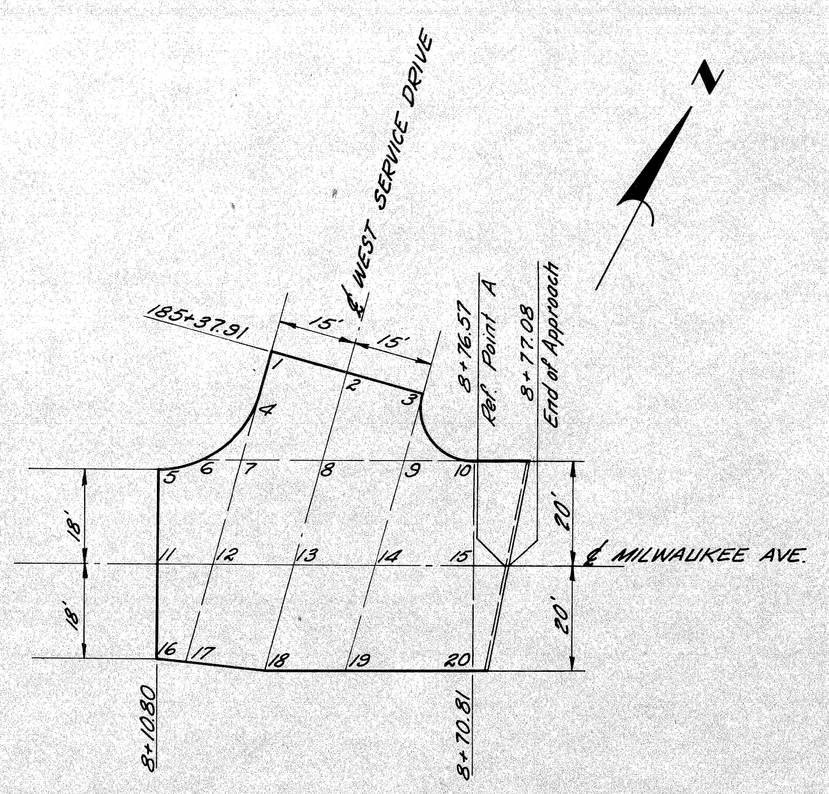
BRUNING 102SX 82501 OMINURB

B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.	F-75(82)53			
ROUTE	STATE PROJECT	COUNTY	City	SHEET NO.	TOTAL SHEETS
	82251	Wayne	Detroit	64	

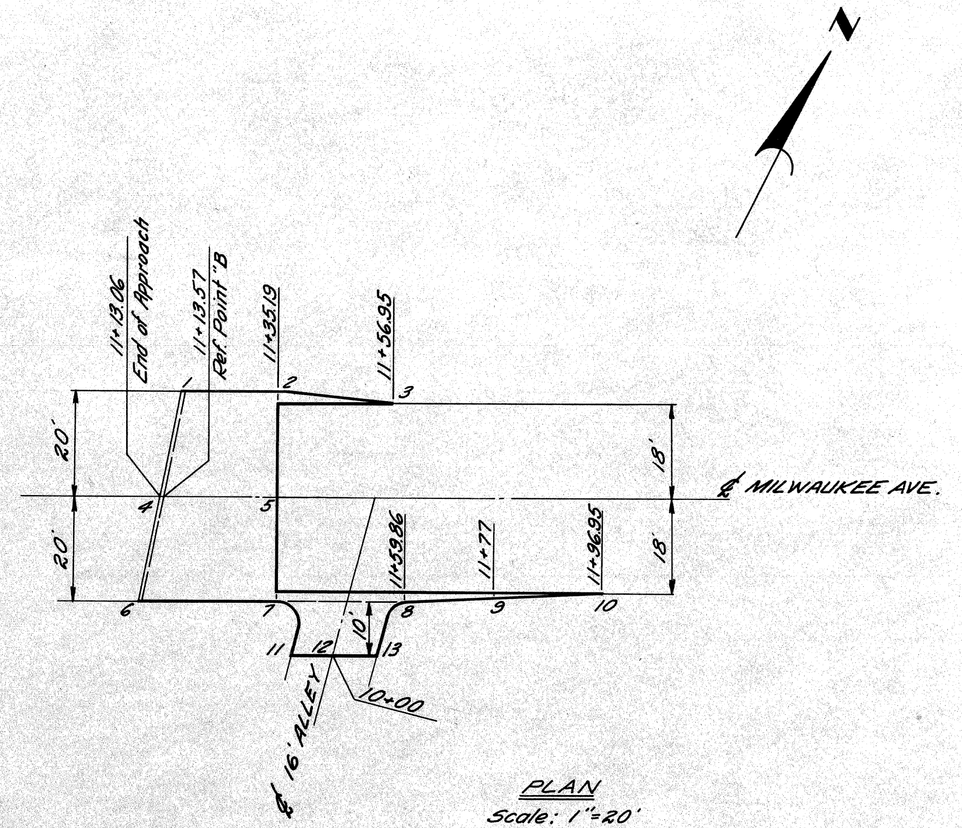
B.P.R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET NO.	TOTAL SHEETS

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

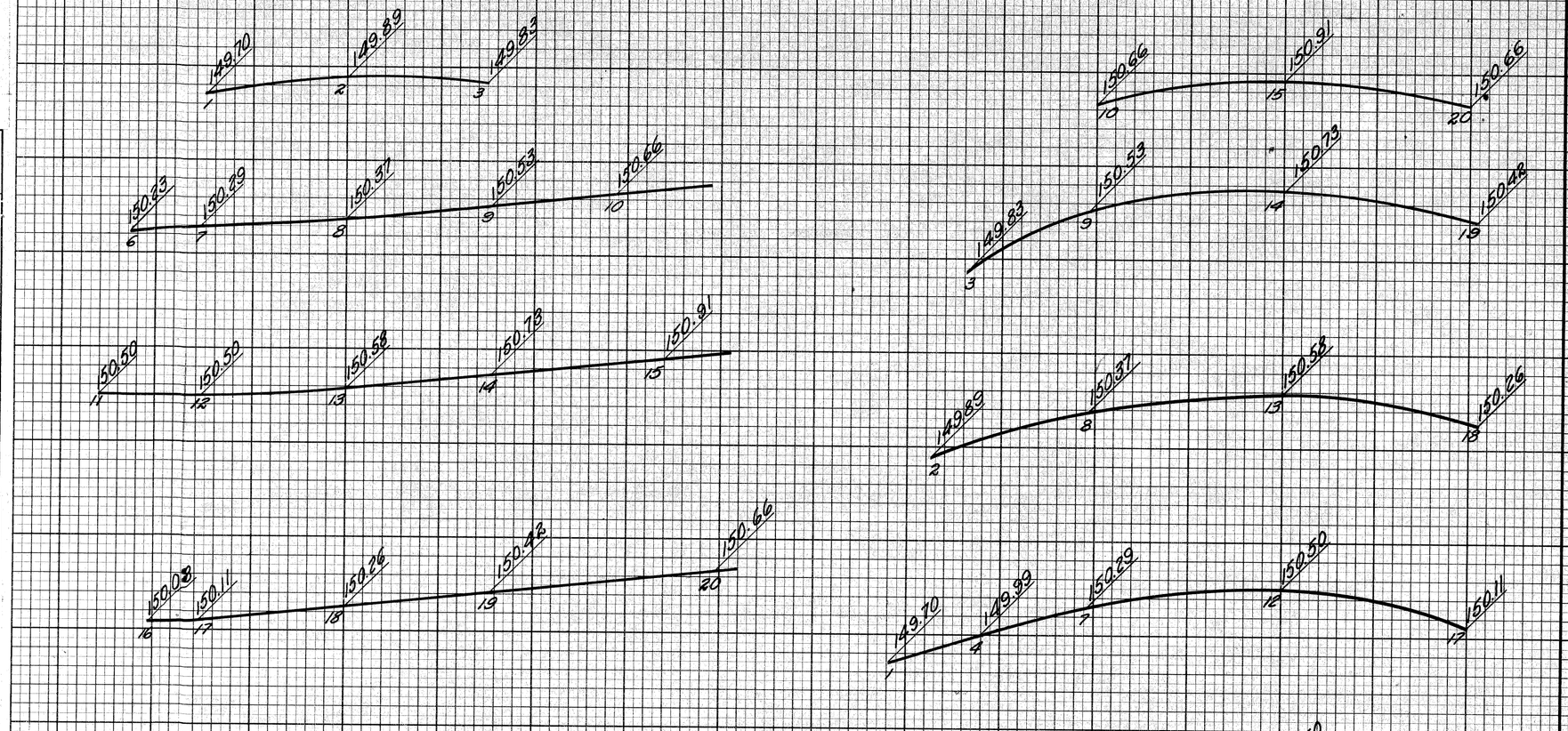
OPERATION	BY	DATE
SURVEYED	J.V. WICKEY	1-65
PLAN PLOTTED	M. POLITO	1-65
PLAN CHECKED		
PROFILE PLOTTED	C. LEHTO	1-65
PROFILE CHECKED	Allan E. Harper	
PRELIMINARY GRADE		
GRADE INSPECTION		
FEDERAL INSPECTION		



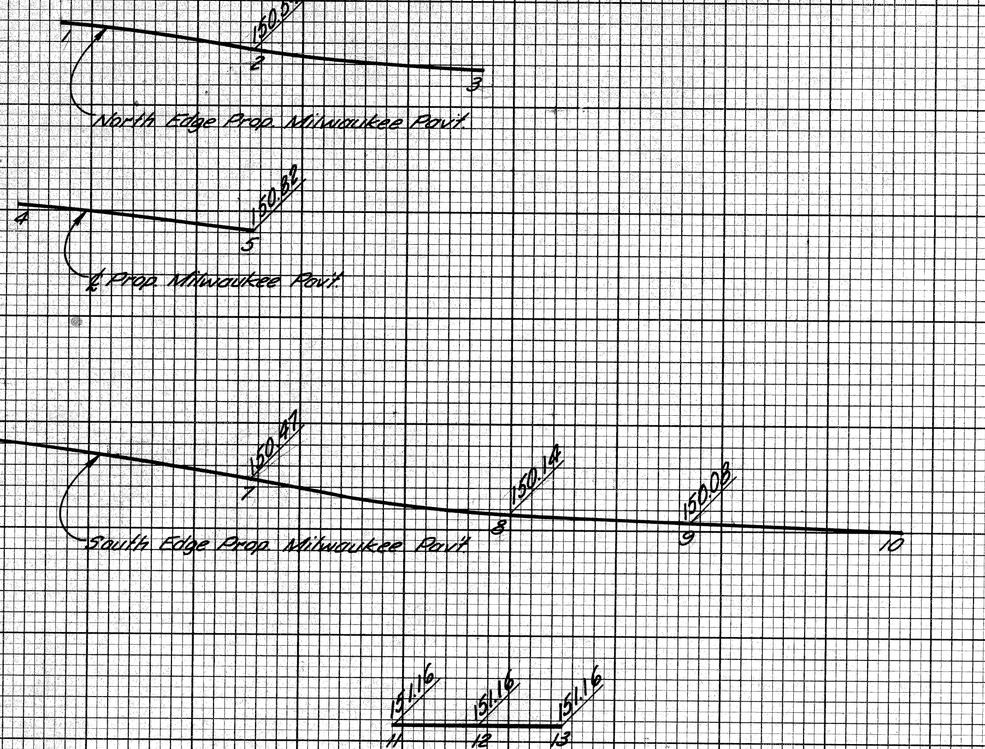
PLAN
Scale: 1" = 20'



PLAN
Scale: 1" = 20'



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



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

DETAILED GRADES
MILWAUKEE AVENUE

FILE NO. USBR NO. 350 STENCIL	82251F-C 41	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
		82251	F-75-1(82)53	64

FILE NO. USE NO 3&D STENCIL	8225IF-C 41		
STATE PROJECT	FEDERAL PROJECT	SHEET NO.	
82251	F-151(82)E-3	63	

DETAILED GRADES FOR
INTERSECTION OF EAST SERVICE DR.
AND CLAY AVE.

PROFILES & CROSS-SECTIONS
Hor. 1"=10'
Scale: Ver. 1"=1'

PLAN
Scale: 1"=20'

B. P. R. DIV. NO.	STATE	PROJ. NO.	
4	MICH.	F-151(82)53	
ROUTE	STATE PROJECT	COUNTY	CITY
	82251	Wayne	Detroit

FISCAL YEAR	
SHEET NO.	
TOTAL SHEETS	63

PLOTTED
CHECKED
DATE
BY
/

TRACING UNLIMITED

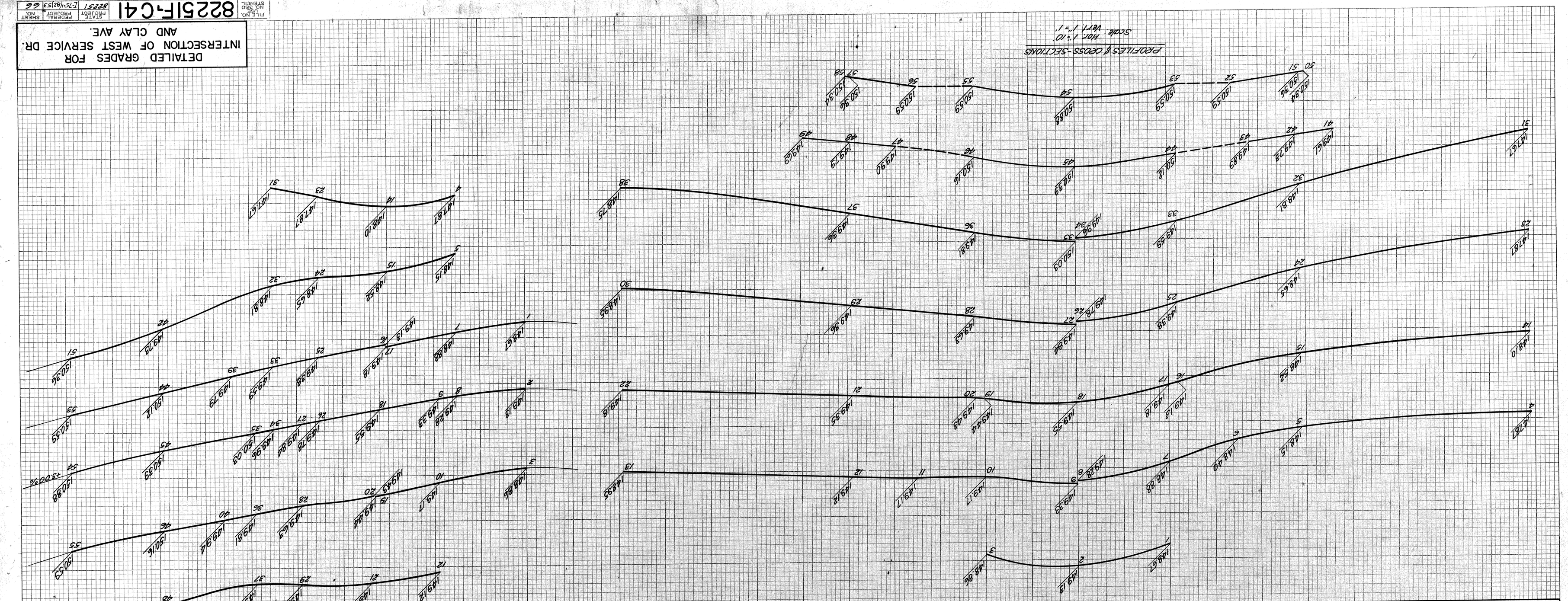
J.V. HUNKEY 1-65
M. POLITO 1-65
G. LEMITO 1-65

PLOTTED
COMPUTED
CHECKED

BY

DATE

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



DETAILED GRADES FOR
INTERSECTION OF WEST SERVICE DR.
AND CLAY AVE.

FILE NO.	STATE PROJECT	FEDERAL PROJECT	SHEET NO.
82251	8225 1	I-75-1(82)53	66

8225 1F-C41

B. P. R. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
ROUTE	STATE PROJECT	COUNTY		CITY	SHEET NO.	TOTAL SHEETS
4	WAYNE	I-75-1(82)53				
	82251	Wayne	Detroit		66