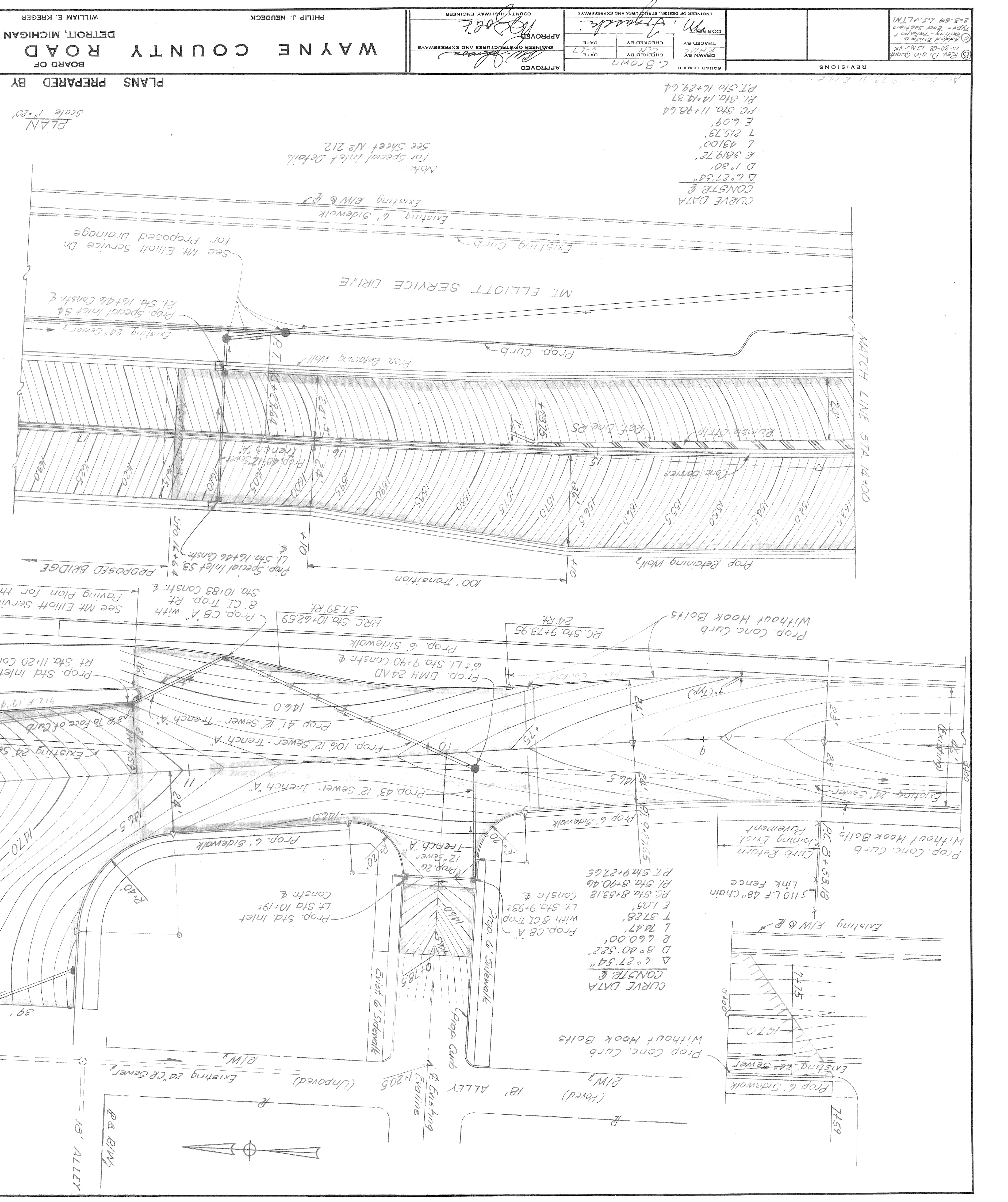
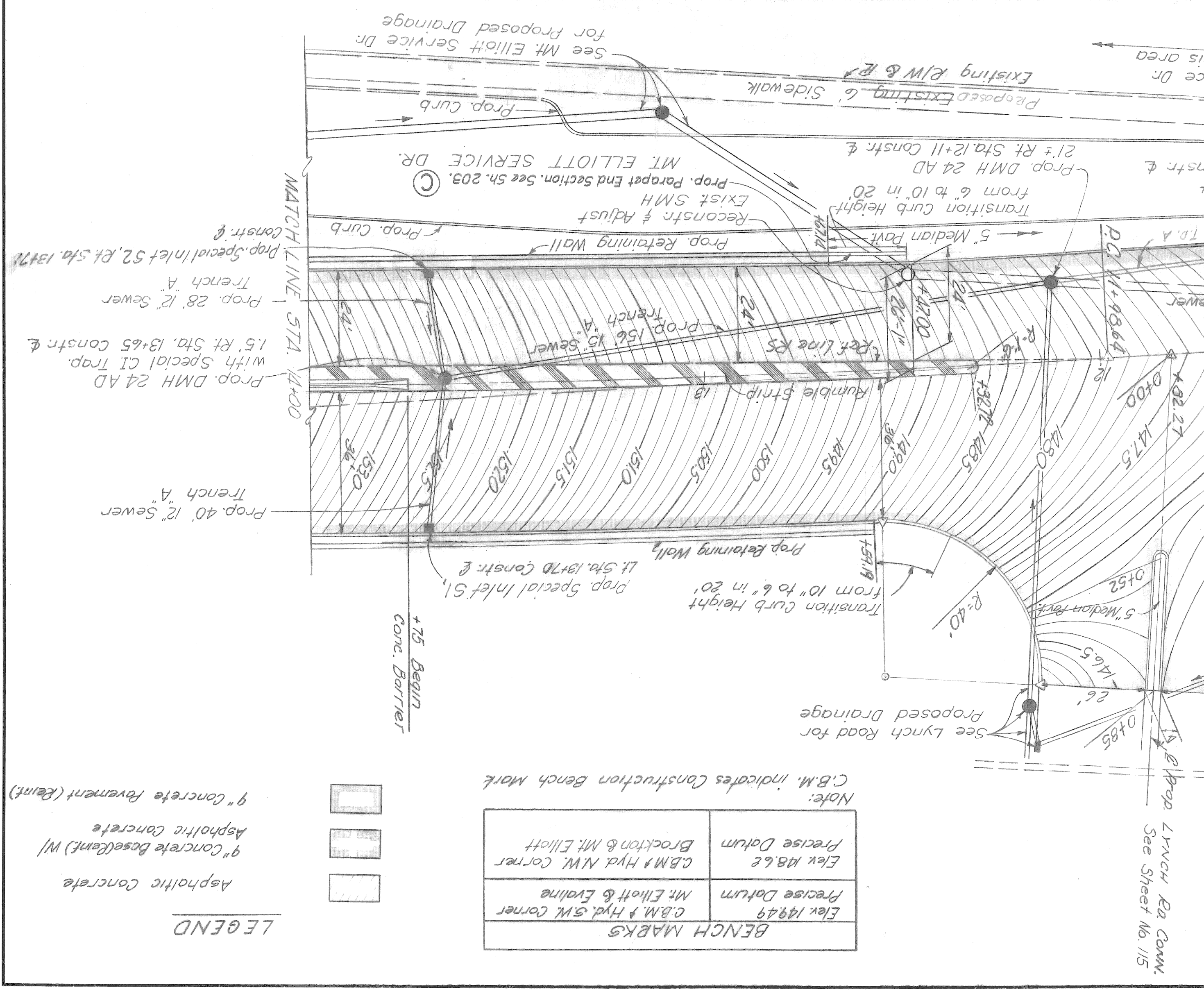


PLANS PREPARED BY CITY OF DETROIT & HAZELT & ERDAL CONSULTING ENGINEERS

ITEM	QUANTITIES - SOUTH APPROACH
Earth Excavation	1050 Cu.Yds.
Subbase (Compacted in Place)	847 Cu.Yds.
Porous Backfill, Grade A (Compacted in Place)	8859 Cu.Yds.
Drop Manhole 24 AD	2 Each
Drop Manhole 24 AD with Special CI Trap	1 Each
Standard Inlet	2 Each
Catch Basin 14" with 8" CI Trap	2 Each
Pavement Reinforcement	5267 Sq.Yds.
Concrete Base Course, 9" Uniform	1100 Sq.Yds.
Concrete Pavement, 9" Uniform	4167 Sq.Yds.
Wearing Course and Curb are to be determined by the Engineer	219 Lin.Ft.
Concrete Curb, Straight (6" face)	784 Lin.Ft.
Concrete Curb, Straight (10" face)	815 Lin.Ft.
4" Concrete Sidewalk	5753 Sq.Ft.
Concrete Barrier	289 Lin.Ft.
5" Median Pavement (Concrete)	1017 Sq.Ft.
Bituminous Bond Coat RS-1A	16.5 Gal.
Asphaltic Conc. Binder Course, 2.5A Mixture, Gravel Aggregates	78 Tons
Asphaltic Conc. Wearing Course, 3.1A Mixture, Gravel Aggregates	109 Tons
Asphaltic Conc. Binder Course, 2.5A Mixture, Slag Aggregates	72 Tons
Asphaltic Conc. Wearing Course, 3.1A Mixture, Slag Aggregates	103 Tons
Adjusting Manhole Cover	1 Co.
Reconstructing Existing Pavement	7 Lin.Ft.
Preparing Existing Pavement	876 Sq.Yds.
12" dia Sewer (C76) CI II Tr. A, 7' deep or less	43 Lin.Ft.
12" dia Sewer (C76) CI II Tr. A, 7' deep or less	74 Lin.Ft.
6.8 Lin.Ft.	6.8 Lin.Ft.
1.56 Lin.Ft.	1.56 Lin.Ft.
Class A Seeding	0.2 Acre
Mulching	0.2 Acre
Deck Waterproofing	200 Sq.Yds.
4.5" Chain Link Fence	110 Lin.Ft.
12" dia Sewer (C76) CI III Tr. A (7.1 to 10' deep)	147 Lin.Ft.

For Rumble Strip details see Sheet No. 106  
 Precise Datum (U.S.C.G.S) odd 479.755  
 City of Detroit, To obtain Wayne County  
 Elevation shown on these plans are based on  
 City of Detroit datum.  
 Manholes and Catch Basins shall have  
 For Concrete Barrier Details see Sheet No. 106  
 For Joint layout see Std. Plan C-17-F  
 For Details of Concrete Curb, Concrete Sidewalk and  
 Steel Beam Guard Rail see Std. Plan C-17-1E  
 Wearing Course and Curb are to be determined by  
 the Engineer.  
 For Details of Concrete Curb, Concrete Sidewalk and  
 Drop Manhole 24 AD with Special CI Trap  
 Catch Basin 14" with 8" CI Trap  
 Standard Inlet  
 Porous Backfill, Grade A (Compacted in Place)  
 Subbase (Compacted in Place)  
 847 Cu.Yds.  
 8859 Cu.Yds.  
 Board of Wayne County Road Commissioners  
 with the current General Specifications for construction  
 of roads, bridges and other highway structures of the  
 City of Detroit shall be in accordance  
 with the current General Specifications for construction  
 of roads, bridges and other highway structures of the  
 Board of Wayne County Road Commissioners.  
 All materials and workmanship shall be in accordance  
 with the current General Specifications for construction  
 of roads, bridges and other highway structures of the  
 Board of Wayne County Road Commissioners.



LEGEND

Asphaltic Concrete	[Pattern]
9" Concrete Base Course w/ Asphaltic Concrete	[Pattern]
9" Concrete Pavement (Reinft)	[Pattern]

BENCH MARKS  
 Elex 18449 C&M # Hyd. S.M. Corner  
 Precise Datum Mr. Elliott & Evaline  
 Elex 18462 C&M # Hyd. NW Corner  
 Precise Datum Brockton & Mt. Elliott

Note:  
 C&M indicates Construction Bench Mark

REVISIONS

NO.	DATE	DESCRIPTION
1	2-3-69	ISSUE NO. 3
2		
3		

APPROVED: [Signature]  
 COUNTY HIGHWAY ENGINEER

APPROVED: [Signature]  
 ENGINEER OF STRUCTURES AND EXPRESSWAYS

APPROVED: [Signature]  
 ENGINEER OF DESIGN, STRUCTURES AND EXPRESSWAYS

BOARD LEADER: C. Brown

REVISIONS: 1-2-69 1.5.17.17M

GENERAL NOTES

1. All materials and workmanship shall be in accordance with the current General Specifications for construction of roads, bridges and other highway structures of the Board of Wayne County Road Commissioners.

2. 1050 Cu.Yds. Subbase (Compacted in Place)

3. 847 Cu.Yds. Porous Backfill, Grade A (Compacted in Place)

4. 2 Each Drop Manhole 24 AD

5. 1 Each Drop Manhole 24 AD with Special CI Trap

6. 2 Each Standard Inlet

7. 2 Each Catch Basin 14" with 8" CI Trap

8. 5267 Sq.Yds. Pavement Reinforcement

9. 1100 Sq.Yds. Concrete Base Course, 9" Uniform

10. 4167 Sq.Yds. Concrete Pavement, 9" Uniform

11. 219 Lin.Ft. Concrete Curb, Straight (6" face)

12. 784 Lin.Ft. Concrete Curb, Straight (10" face)

13. 5753 Sq.Ft. 4" Concrete Sidewalk

14. 289 Lin.Ft. Concrete Barrier

15. 1017 Sq.Ft. 5" Median Pavement (Concrete)

16. 16.5 Gal. Bituminous Bond Coat RS-1A

17. 78 Tons Asphaltic Conc. Binder Course, 2.5A Mixture, Gravel Aggregates

18. 109 Tons Asphaltic Conc. Wearing Course, 3.1A Mixture, Gravel Aggregates

19. 72 Tons Asphaltic Conc. Binder Course, 2.5A Mixture, Slag Aggregates

20. 103 Tons Asphaltic Conc. Wearing Course, 3.1A Mixture, Slag Aggregates

21. 1 Co. Adjusting Manhole Cover

22. 7 Lin.Ft. Reconstructing Existing Pavement

23. 876 Sq.Yds. Preparing Existing Pavement

24. 43 Lin.Ft. 12" dia Sewer (C76) CI II Tr. A, 7' deep or less

25. 74 Lin.Ft. 12" dia Sewer (C76) CI II Tr. A, 7' deep or less

26. 6.8 Lin.Ft. 6.8 Lin.Ft.

27. 1.56 Lin.Ft. 1.56 Lin.Ft.

28. 0.2 Acre Class A Seeding

29. 0.2 Acre Mulching

30. 200 Sq.Yds. Deck Waterproofing

31. 110 Lin.Ft. 4.5" Chain Link Fence

32. 147 Lin.Ft. 12" dia Sewer (C76) CI III Tr. A (7.1 to 10' deep)

QUANTITIES - SOUTH APPROACH

ITEM

TOTALS

1050 Cu.Yds. Subbase (Compacted in Place)

847 Cu.Yds. Porous Backfill, Grade A (Compacted in Place)

2 Each Drop Manhole 24 AD

1 Each Drop Manhole 24 AD with Special CI Trap

2 Each Standard Inlet

2 Each Catch Basin 14" with 8" CI Trap

5267 Sq.Yds. Pavement Reinforcement

1100 Sq.Yds. Concrete Base Course, 9" Uniform

4167 Sq.Yds. Concrete Pavement, 9" Uniform

219 Lin.Ft. Concrete Curb, Straight (6" face)

784 Lin.Ft. Concrete Curb, Straight (10" face)

5753 Sq.Ft. 4" Concrete Sidewalk

289 Lin.Ft. Concrete Barrier

1017 Sq.Ft. 5" Median Pavement (Concrete)

16.5 Gal. Bituminous Bond Coat RS-1A

78 Tons Asphaltic Conc. Binder Course, 2.5A Mixture, Gravel Aggregates

109 Tons Asphaltic Conc. Wearing Course, 3.1A Mixture, Gravel Aggregates

72 Tons Asphaltic Conc. Binder Course, 2.5A Mixture, Slag Aggregates

103 Tons Asphaltic Conc. Wearing Course, 3.1A Mixture, Slag Aggregates

1 Co. Adjusting Manhole Cover

7 Lin.Ft. Reconstructing Existing Pavement

876 Sq.Yds. Preparing Existing Pavement

43 Lin.Ft. 12" dia Sewer (C76) CI II Tr. A, 7' deep or less

74 Lin.Ft. 12" dia Sewer (C76) CI II Tr. A, 7' deep or less

6.8 Lin.Ft. 6.8 Lin.Ft.

1.56 Lin.Ft. 1.56 Lin.Ft.

0.2 Acre Class A Seeding

0.2 Acre Mulching

200 Sq.Yds. Deck Waterproofing

110 Lin.Ft. 4.5" Chain Link Fence

147 Lin.Ft. 12" dia Sewer (C76) CI III Tr. A (7.1 to 10' deep)

REVISIONS  
 10-30-68 JKV:IM  
 for 24" Gas

APPROVED  
 C. BROWN  
 SQUAD LEADER

ENGINEER OF DESIGN, STRUCTURES AND EXPRESSWAYS  
 TRACED BY  
 CHECKED BY  
 DATE

ENGINEER OF STRUCTURES AND EXPRESSWAYS  
 APPROVED  
 DATE

WAYNE COUNTY ROAD COMMISSIONERS  
 BOARD OF  
 DETROIT, MICHIGAN  
 PHILIP J. NEUDECK  
 WILLIAM E. KREGER  
 MICHAEL BERRY

MOUNT ELLIOTT-MOUND RD.  
 GRADE SEPARATION  
 SOUTH APPROACH PROFILES

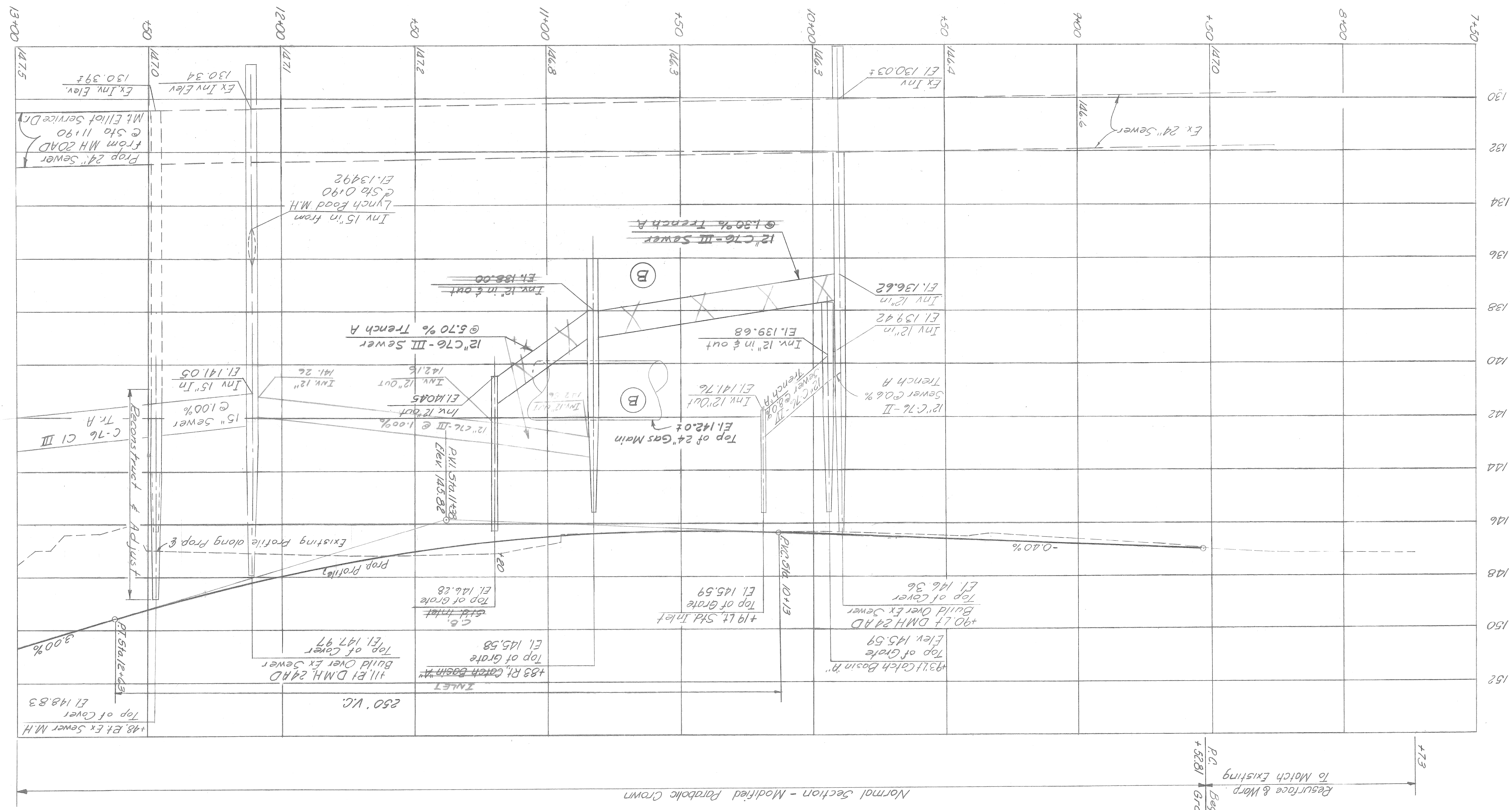
STATE PROJECT  
 COUNTY JOB  
 SHEET NO. 104  
 ISSUE NO. 2  
 DATE 10-30-68

STATE  
 FILE  
 ROAD  
 BRIDGE

PLANS PREPARED BY CITY OF DETROIT &  
 HAZELET & ERDAL CONSULTING ENGINEERS

SOUTH APPROACH PROFILE  
 Scale: Hor. 1"=20' Vert. 1"=2'

Note:  
 For Pavement Contours See  
 South Approach Raving Plan  
 Sheet No. 103



REVISIONS

APPROVED

ENGINEER OF DESIGN, STRUCTURES AND EXPRESSWAYS

TRACED BY

CHECKED BY

DATE

ENGINEER OF STRUCTURES AND EXPRESSWAYS

APPROVED

DATE

WAYNE COUNTY ROAD COMMISSIONERS

BOARD OF

DETROIT, MICHIGAN

PHILIP J. NEUDECK

WILLIAM E. KREGER

MICHAEL BERRY

MOUNT ELLIOTT-MOUND RD.

GRADE SEPARATION

SOUTH APPROACH PROFILES

STATE PROJECT

COUNTY JOB

SHEET NO. 104

ISSUE NO. 2

DATE 10-30-68

PLANS PREPARED BY CITY OF DETROIT & HAZELET & ERDAL CONSULTING ENGINEERS

SOUTH APPROACH PROFILE

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

Note: For Pavement Contours See South Approach Raving Plan Sheet No. 103

REVISIONS

APPROVED

ENGINEER OF DESIGN, STRUCTURES AND EXPRESSWAYS

TRACED BY

CHECKED BY

DATE

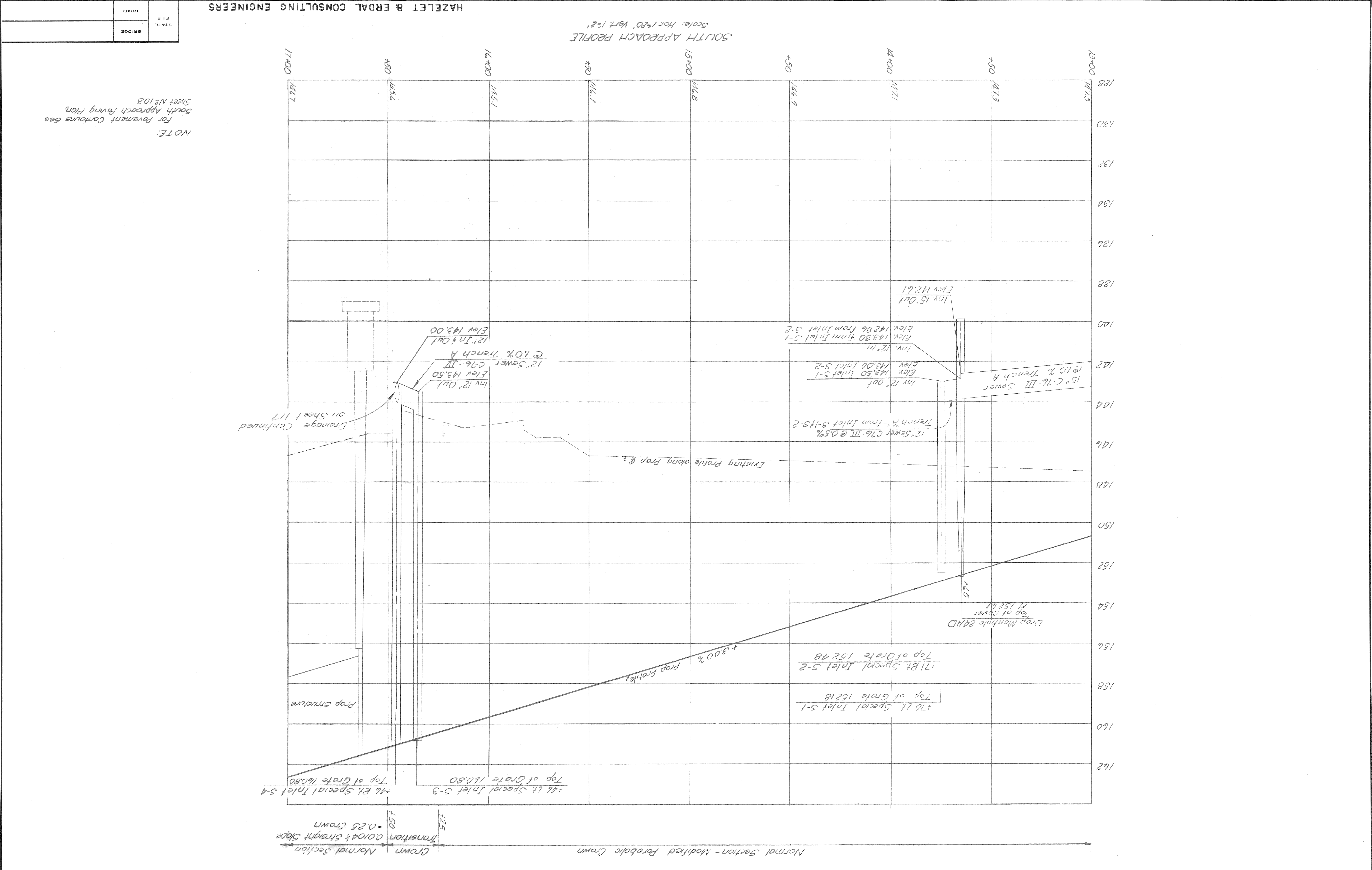
ENGINEER OF STRUCTURES AND EXPRESSWAYS

APPROVED

DATE

WAYNE COUNTY ROAD COMMISSIONERS

BOARD OF

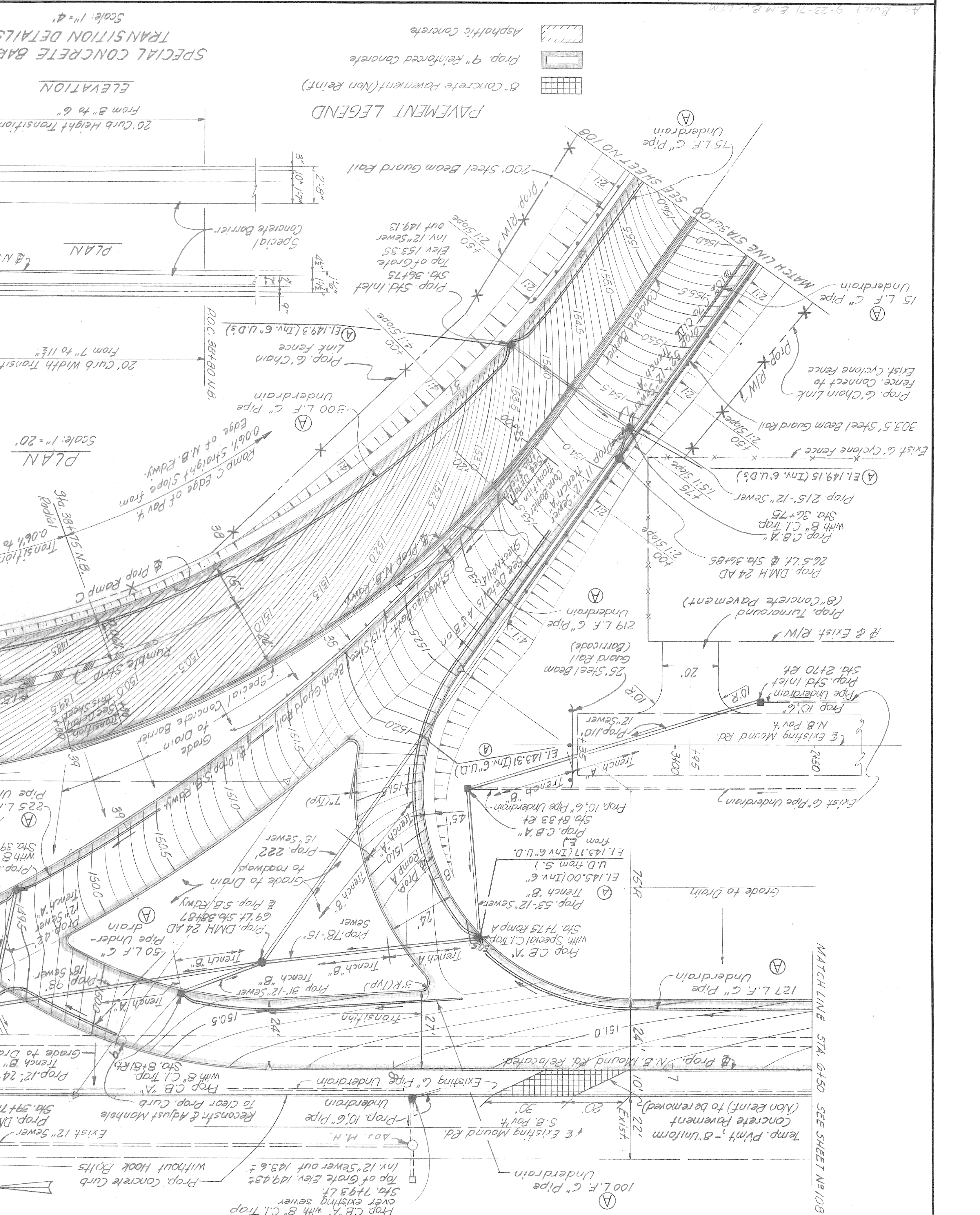
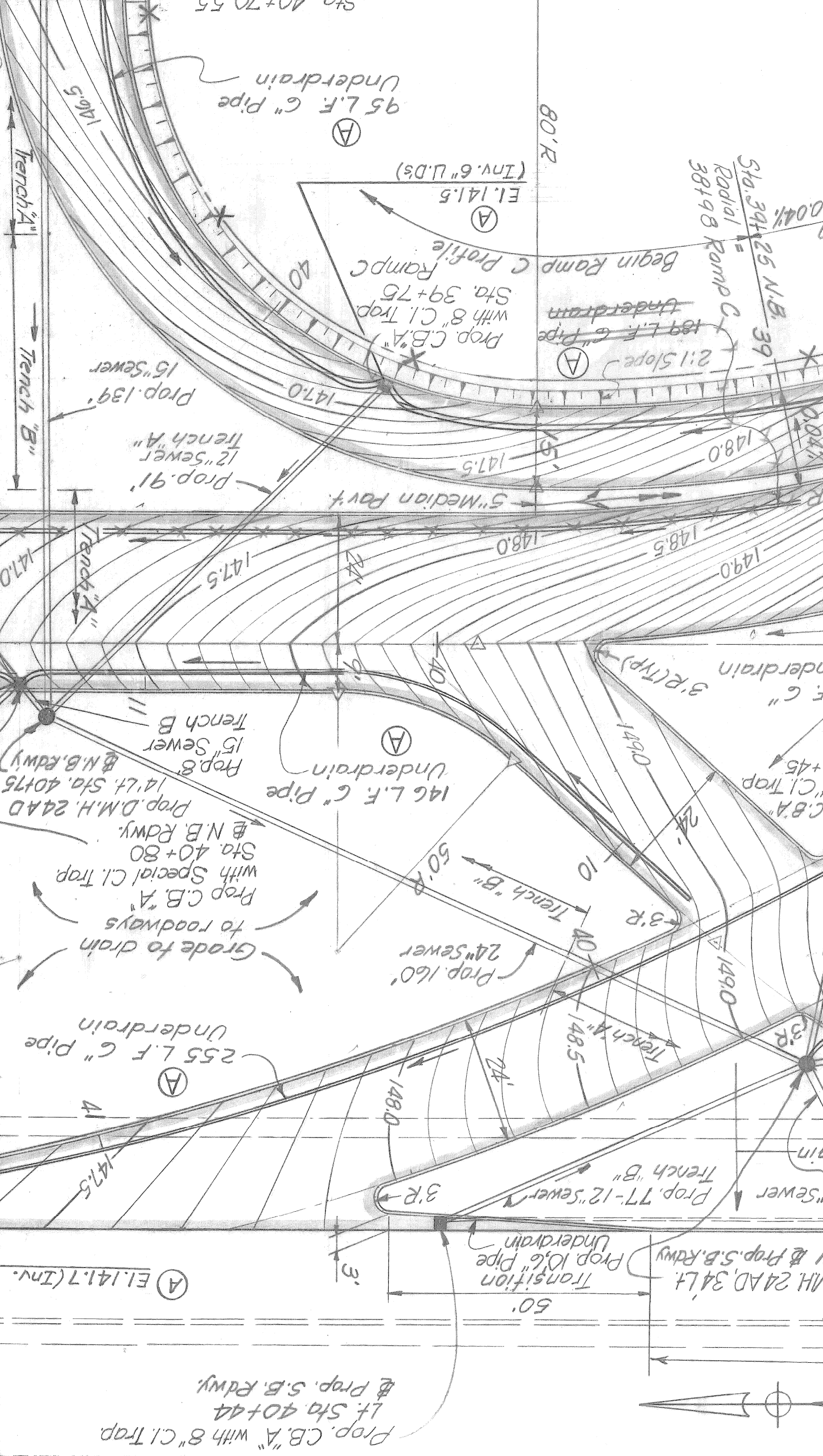
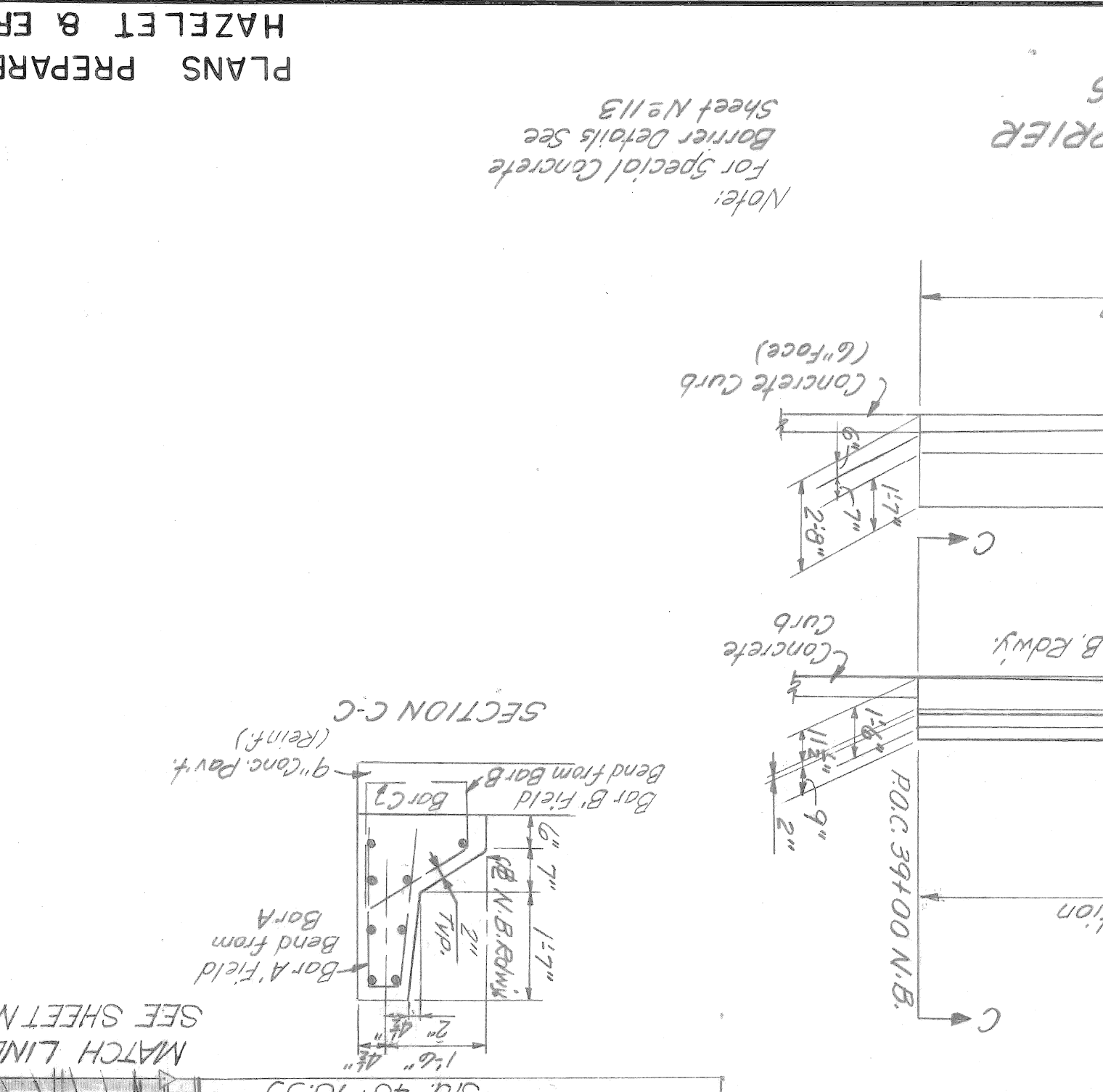
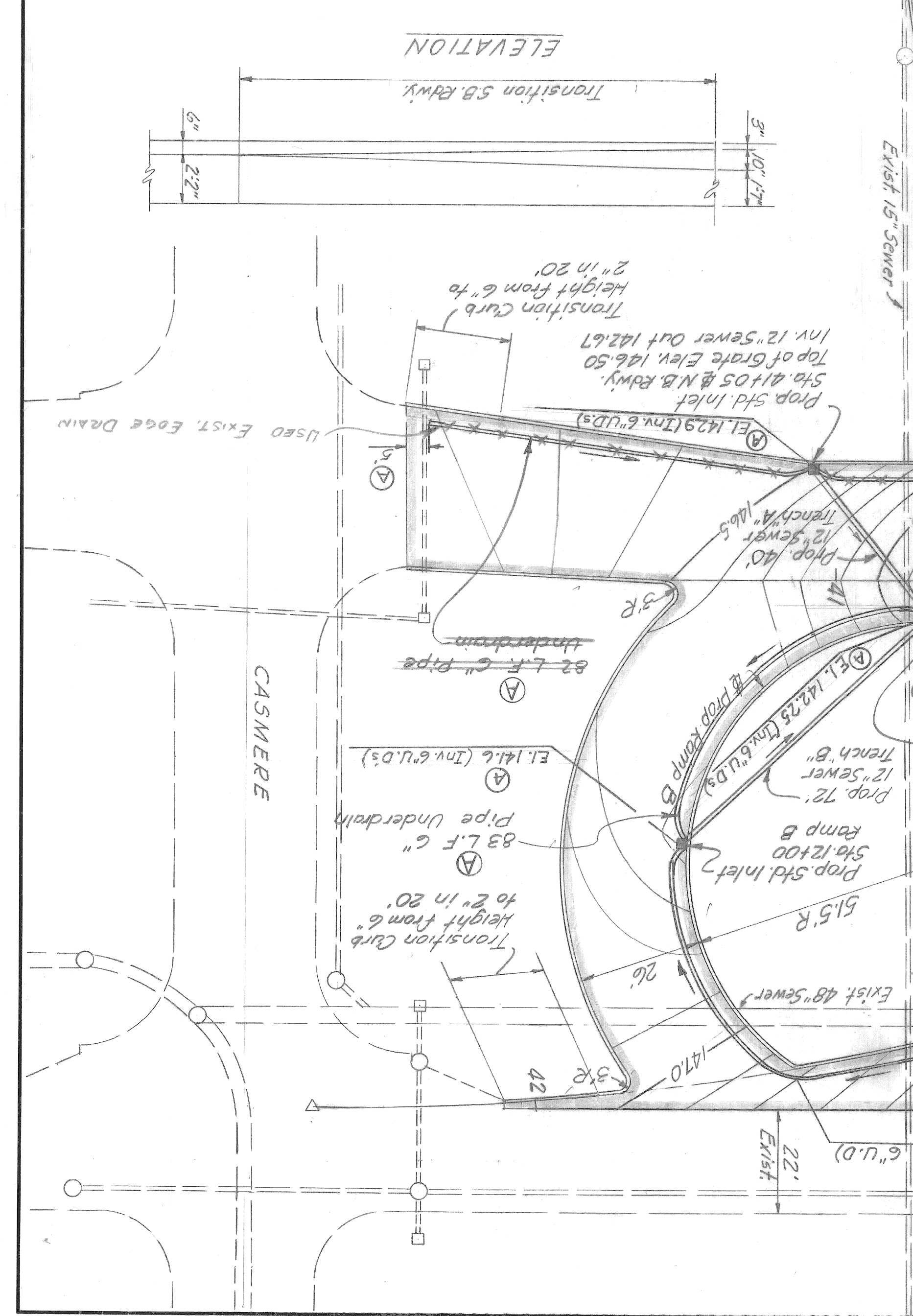
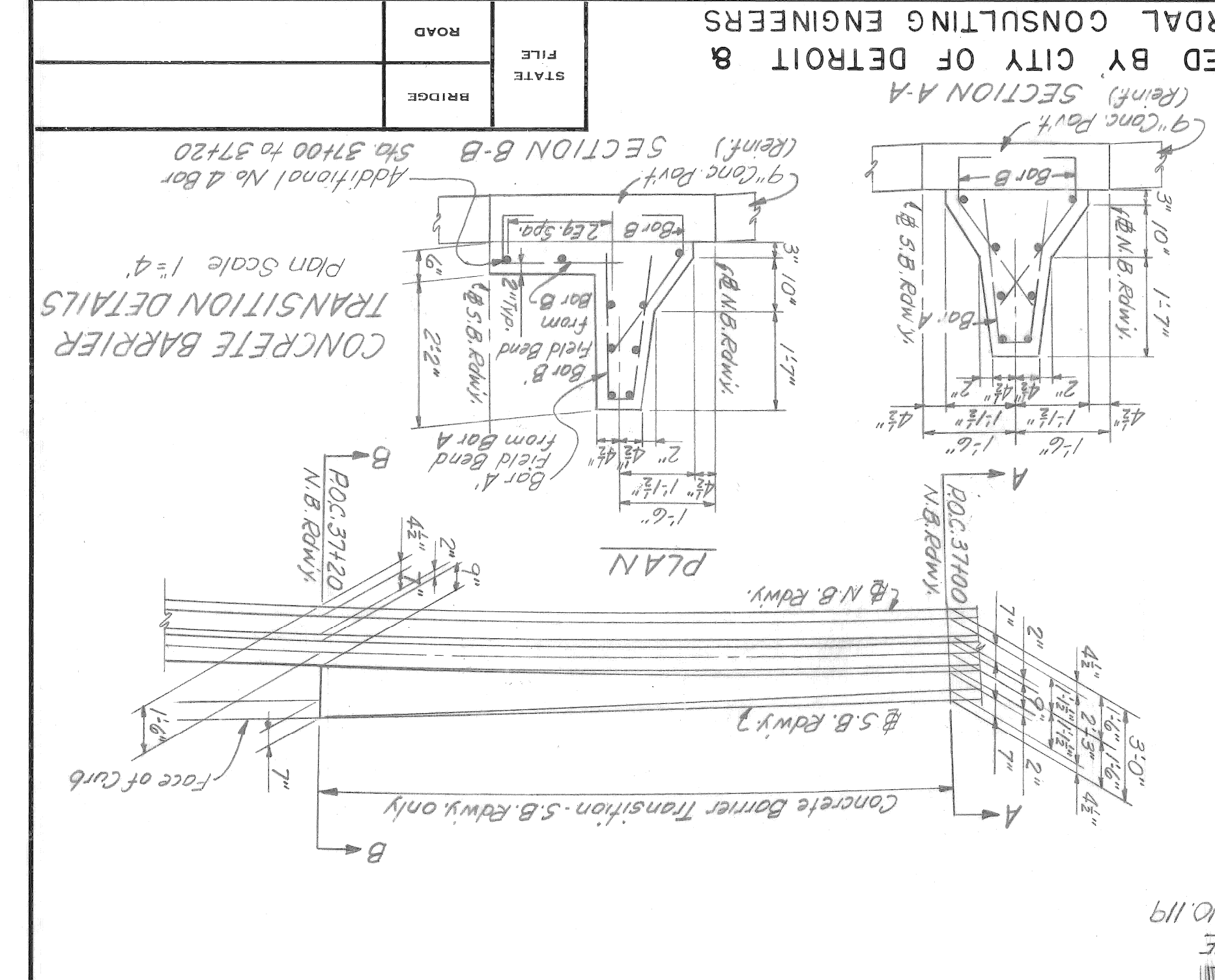


NOTE:  
For Pavement Contours see  
South Approach Raving Plan  
Sheet No. 103

HAZELET & ERDAL CONSULTING ENGINEERS







REVISIONS

APPROVED: *[Signature]*  
 COUNTY HIGHWAY ENGINEER

APPROVED: *[Signature]*  
 ENGINEER OF STRUCTURES AND EXPANSIVES

APPROVED: *[Signature]*  
 COUNTY HIGHWAY ENGINEER

WAYNE COUNTY ROAD COMMISSIONERS  
 BOARD OF  
 DETROIT, MICHIGAN

PHILIP J. NEUDECK  
 WILLIAM E. KREGGER  
 MICHAEL BERRY

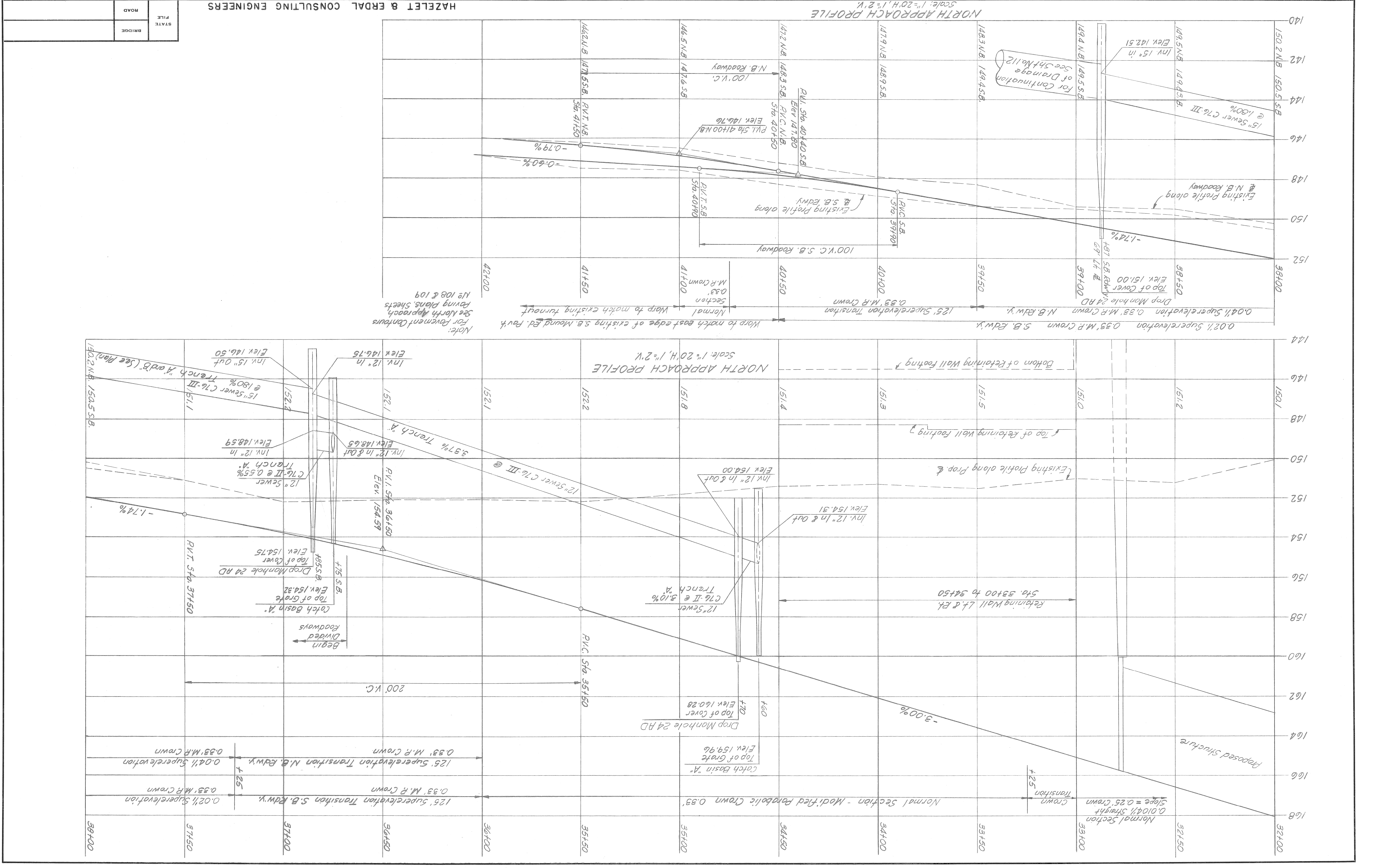
MOUNT ELLIOTT-MOUND RD.  
 GRADE SEPARATION  
 NORTH APPROACH PROFILES

STATE PROJECT  
 COUNTY JOB

ISSUE NO. 1  
 DATE: 5-13-68

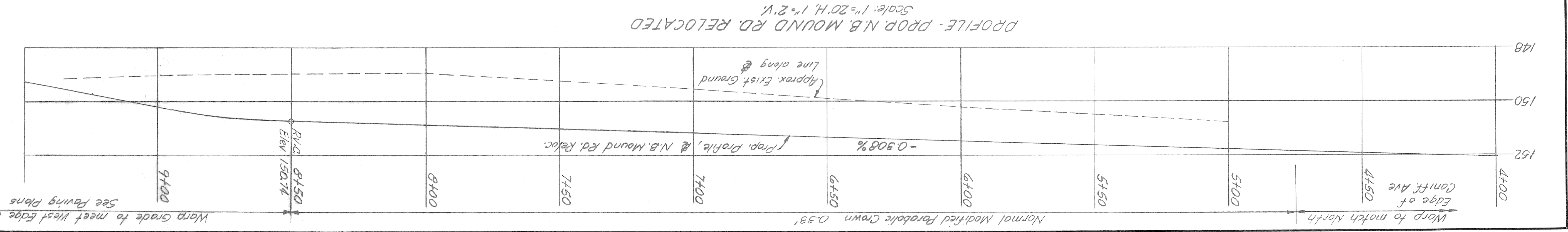
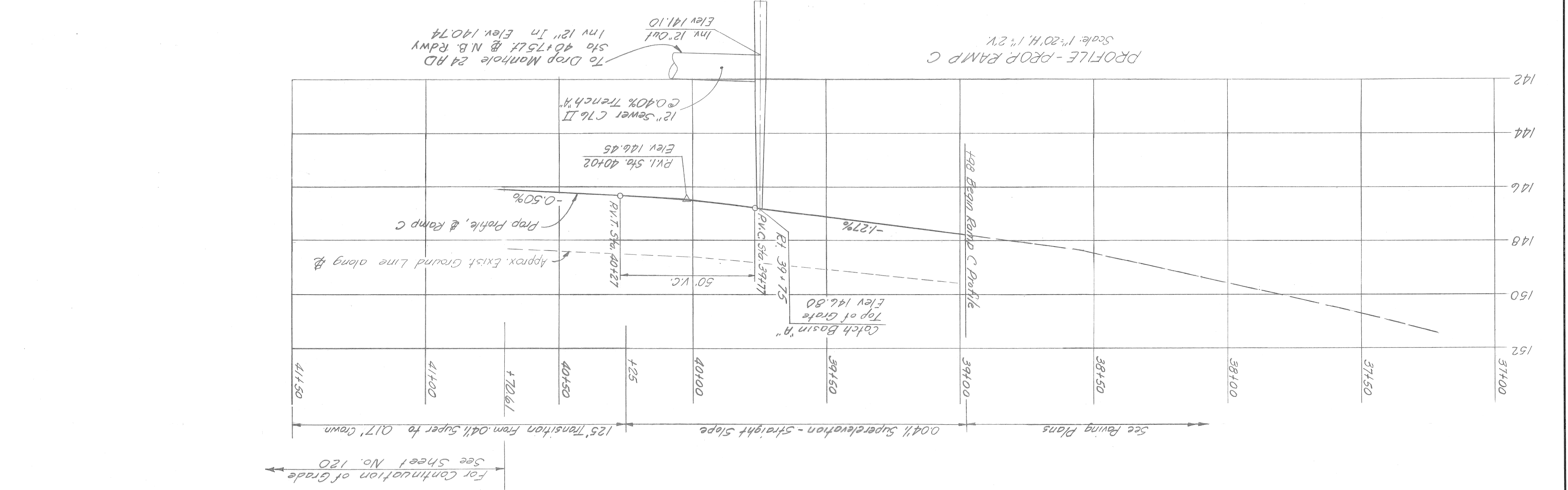
SHEET NO. 246

H & E FILE NO. 603



STATE PROJECT	COUNTY JOB
ROAD	BRIDGE
FILE	STATE

Note: For Pavement Contours see Sheets No 108 & 109  
 North Approach Paving Plans  
 PLANS PREPARED BY CITY OF DETROIT & HAZLET & ERDAL CONSULTING ENGINEERS





Added Under-  
drains & reshap-  
ed Subbase 10-16-68  
LTM

REVISIONS

BOARD LEADER	C. Brown
DRAWN BY	C. Brown
CHECKED BY	C. Brown
DATE	10-16-68
ENGINEER OF DESIGN, STRUCTURES AND EXPRESWAYS	M. J. Neudeck
TRACED BY	M. J. Neudeck
DATE	10-16-68
ENGINEER OF DESIGN, STRUCTURES AND EXPRESWAYS	M. J. Neudeck

APPROVED  
*M. J. Neudeck*  
COUNTY HIGHWAY ENGINEER

WAYNE COUNTY ROAD COMMISSIONERS  
BOARD OF  
DETROIT, MICHIGAN  
WILLIAM E. KREGER  
MICHAEL BERRY

MOUNT ELLIOTT-MOUND RD.  
GRADE SEPARATION  
NORTH APPROACH SECTIONS

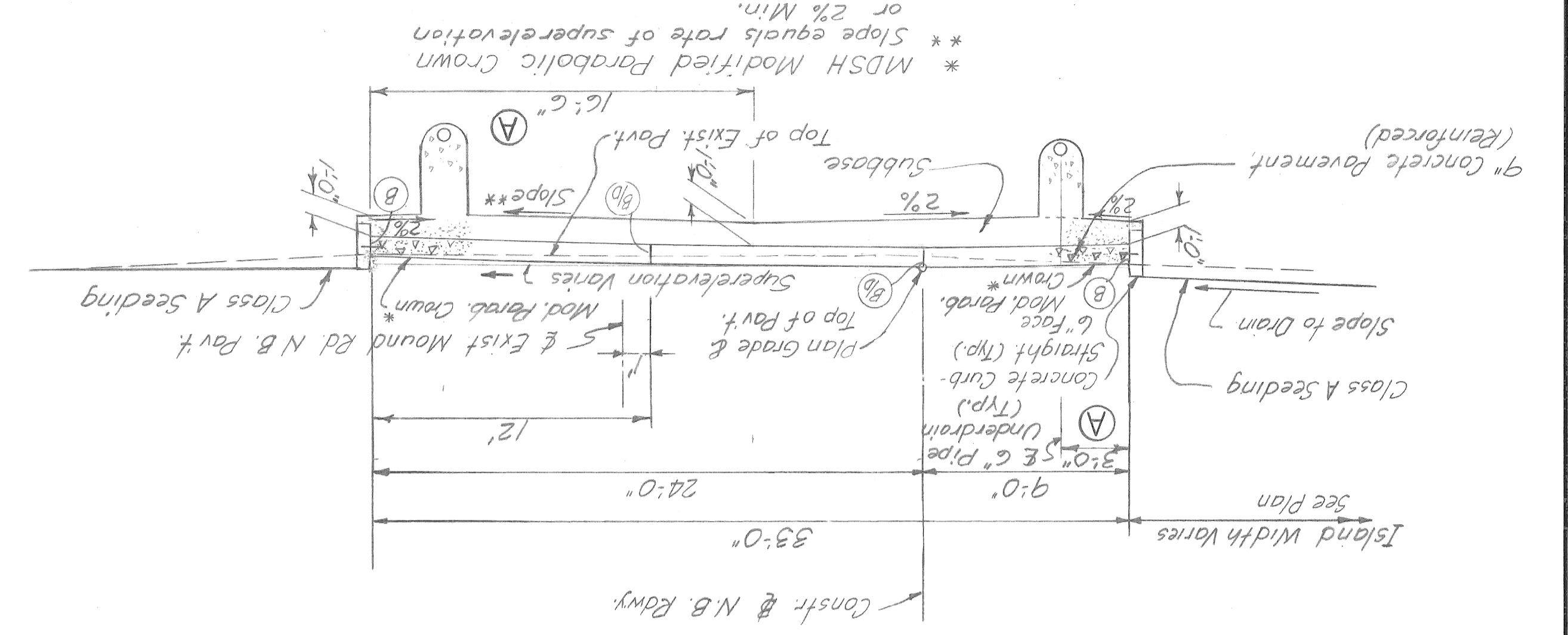
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SHEET NO. 113  
DATE 10-16-68  
ISSUE NO. 2

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BRIDGE	
ROAD	

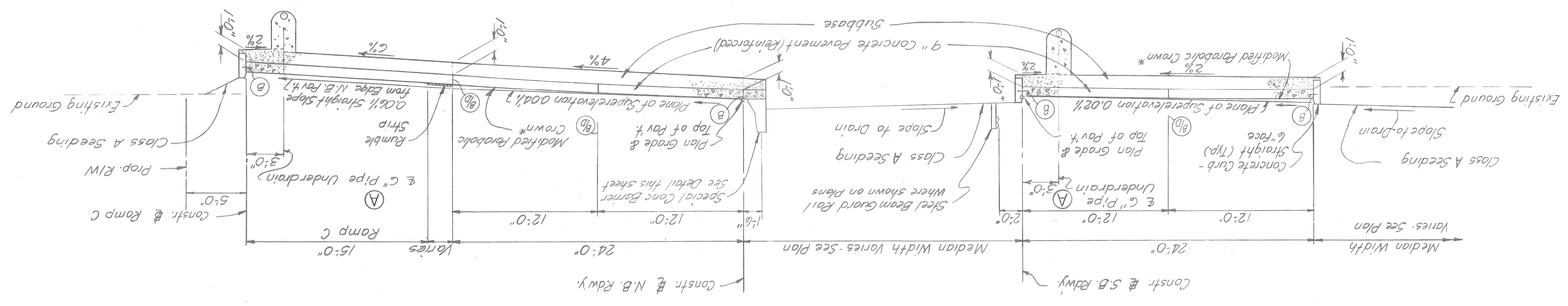
HAZELT & ERDAL CONSULTING ENGINEERS

SPECIAL CONCRETE BARRIER DETAILS  
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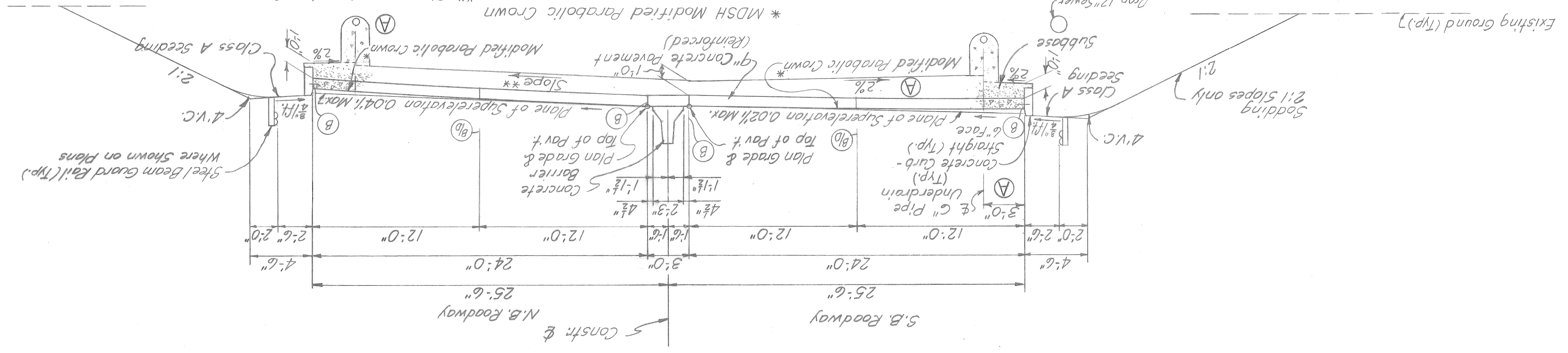
SECTION AT STA 40+50 - N.B. ROADWAY



SECTION AT STA 38+50 - N.B. ROADWAY



TYPICAL SECTION  
STA. 36+25



(A) Added Under-shape Subbase  
10-12-08 LTM

REVISIONS

ENGINEER OF DESIGN, STRUCTURES AND EXPRESSWAYS	DATE
TRACED BY	CHECKED BY
DATE	DATE

APPROVED  
ENGINEER OF STRUCTURES AND EXPRESSWAYS  
APPROVED  
COUNTY HIGHWAY ENGINEER

WAYNE COUNTY ROAD COMMISSIONERS  
BOARD OF  
DETROIT, MICHIGAN  
WILLIAM E. KREGER  
MICHAEL BERRY

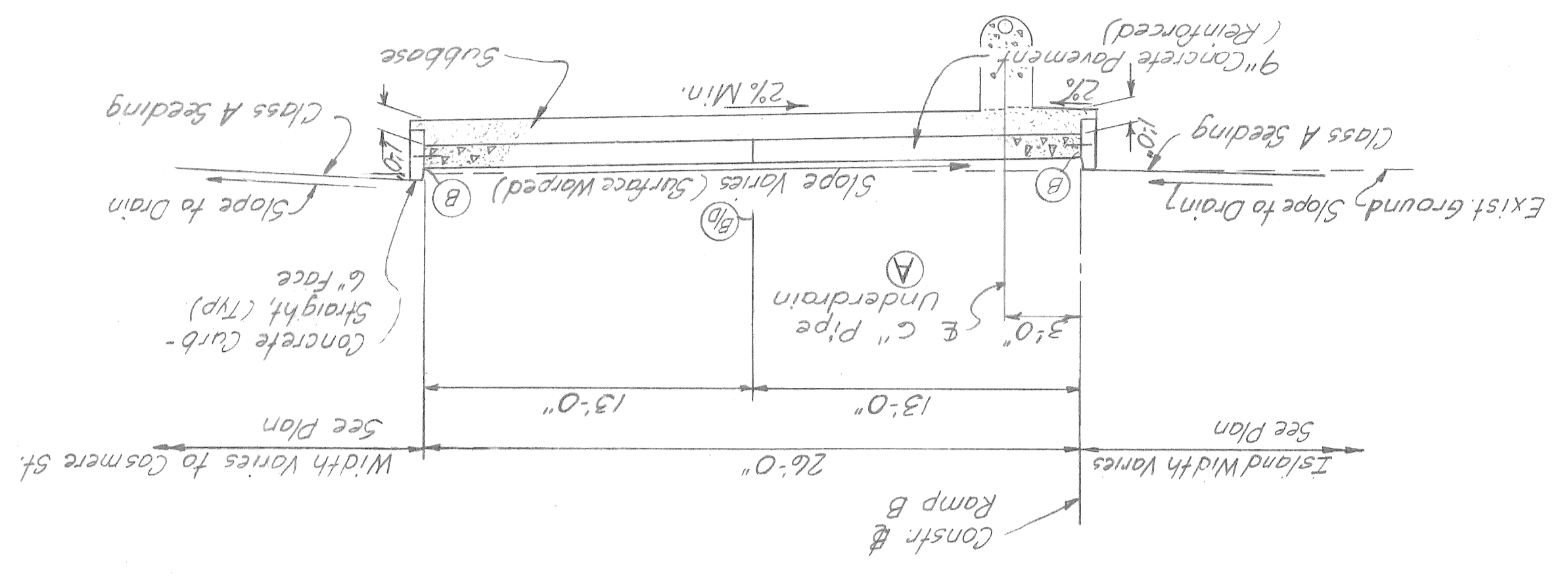
MOUNT ELLIOTT-MOUND RD.  
GRADE SEPARATION  
NORTH APPROACH SECTIONS

STATE PROJECT  
COUNTY JOB  
246  
SHEET NO.  
114  
DATE 10-16-08  
ISSUE NO. 2

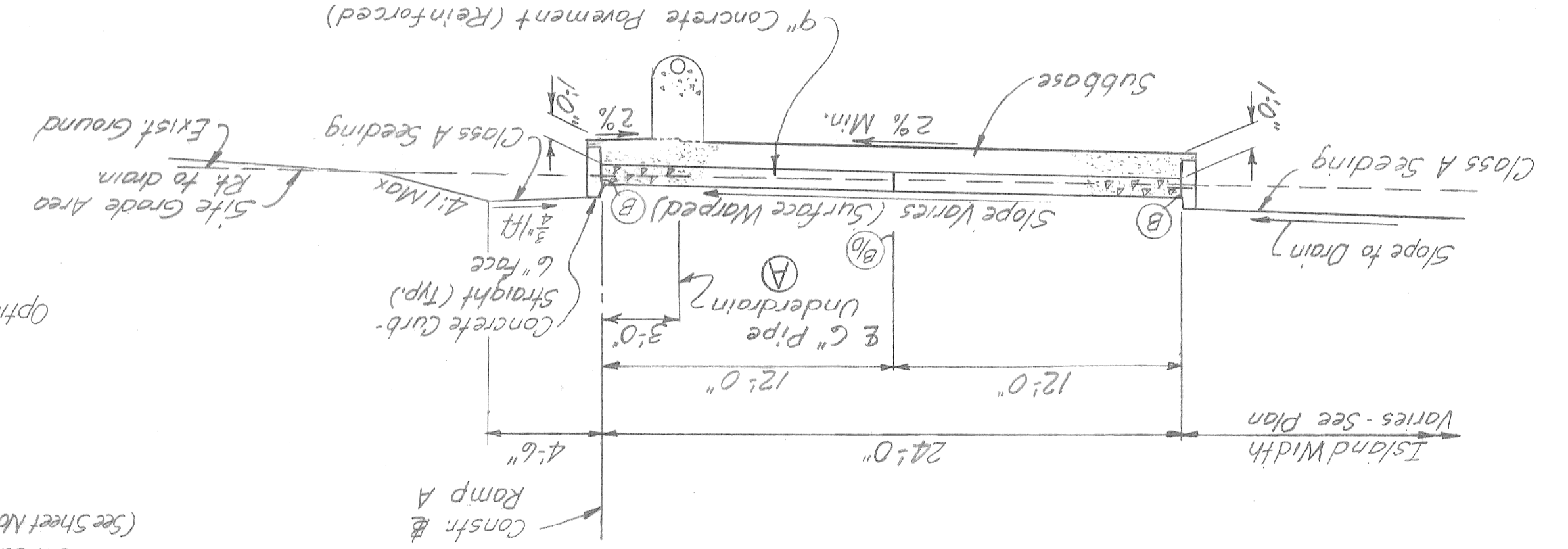
STATE	FILE
BRIDGE	ROAD

PLANS PREPARED BY CITY OF DETROIT & HAZELT & ERDAL CONSULTING ENGINEERS

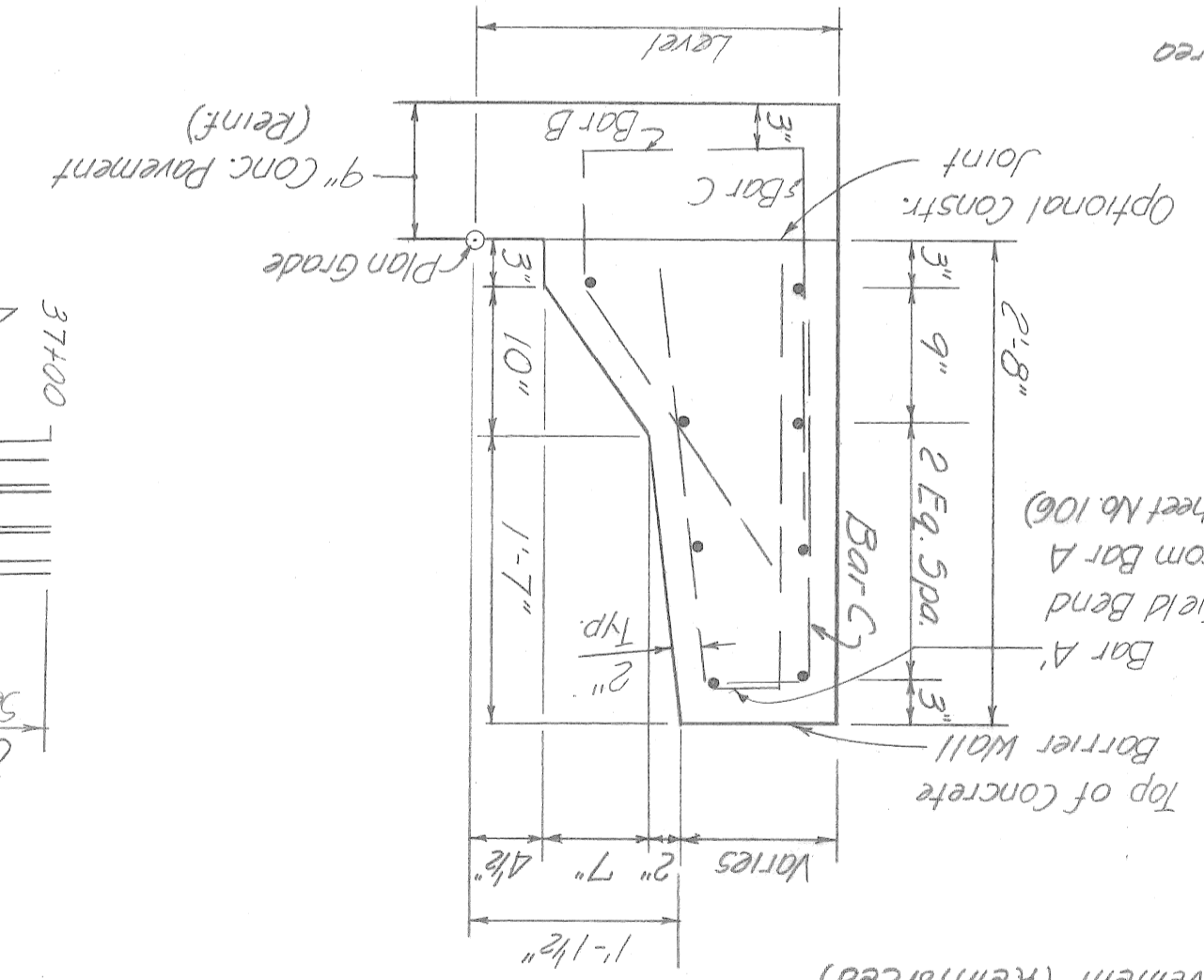
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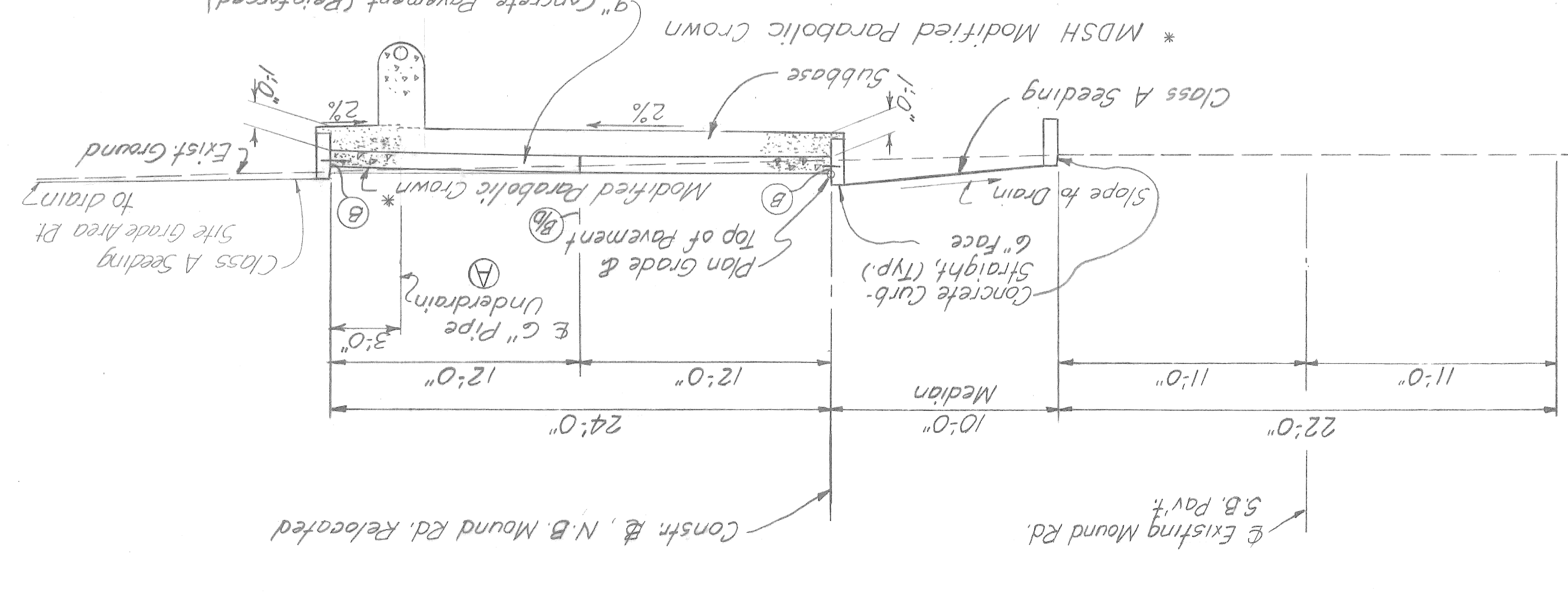
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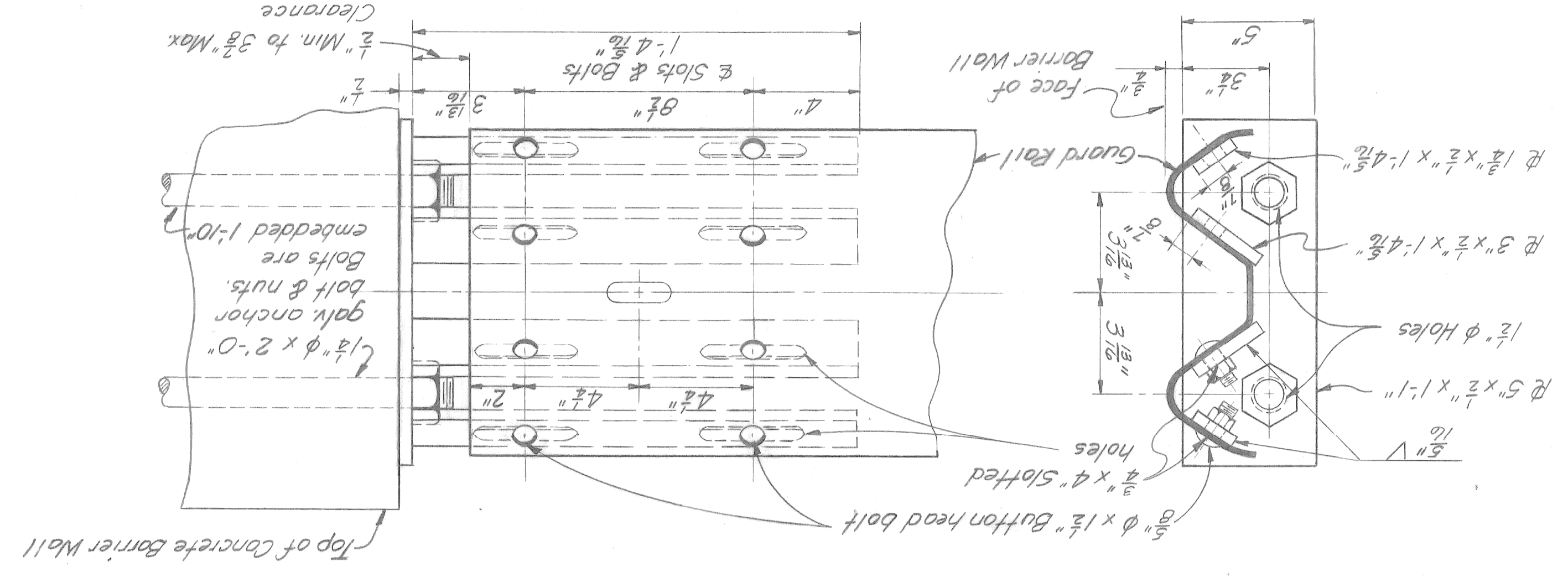
SPECIAL CONCRETE BARRIER TRANSITION SECTION A-A



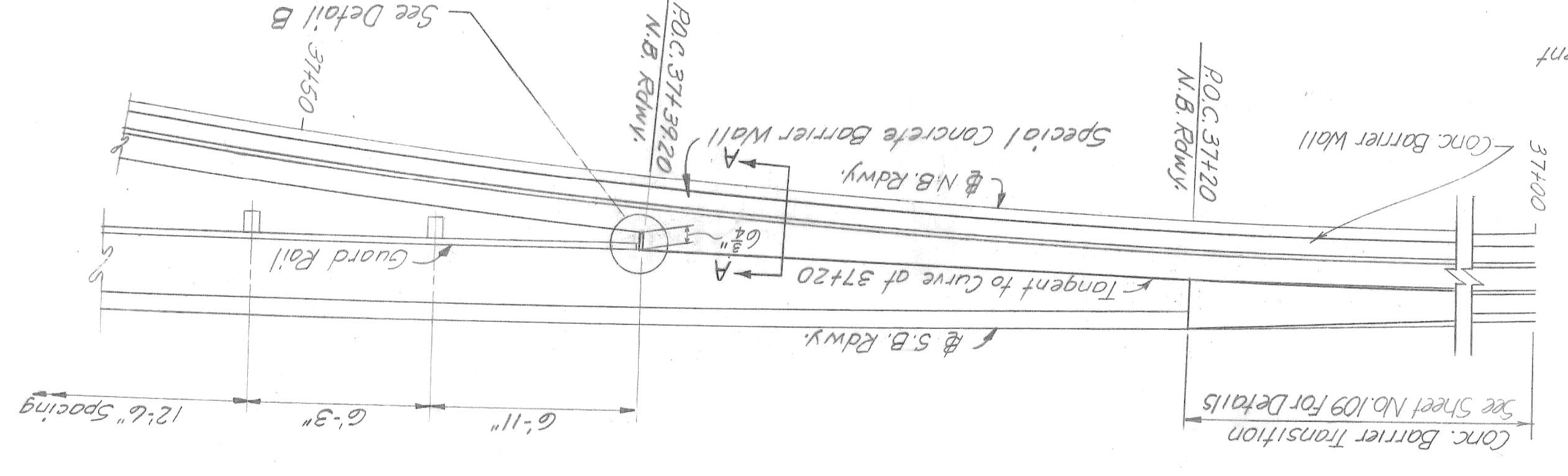
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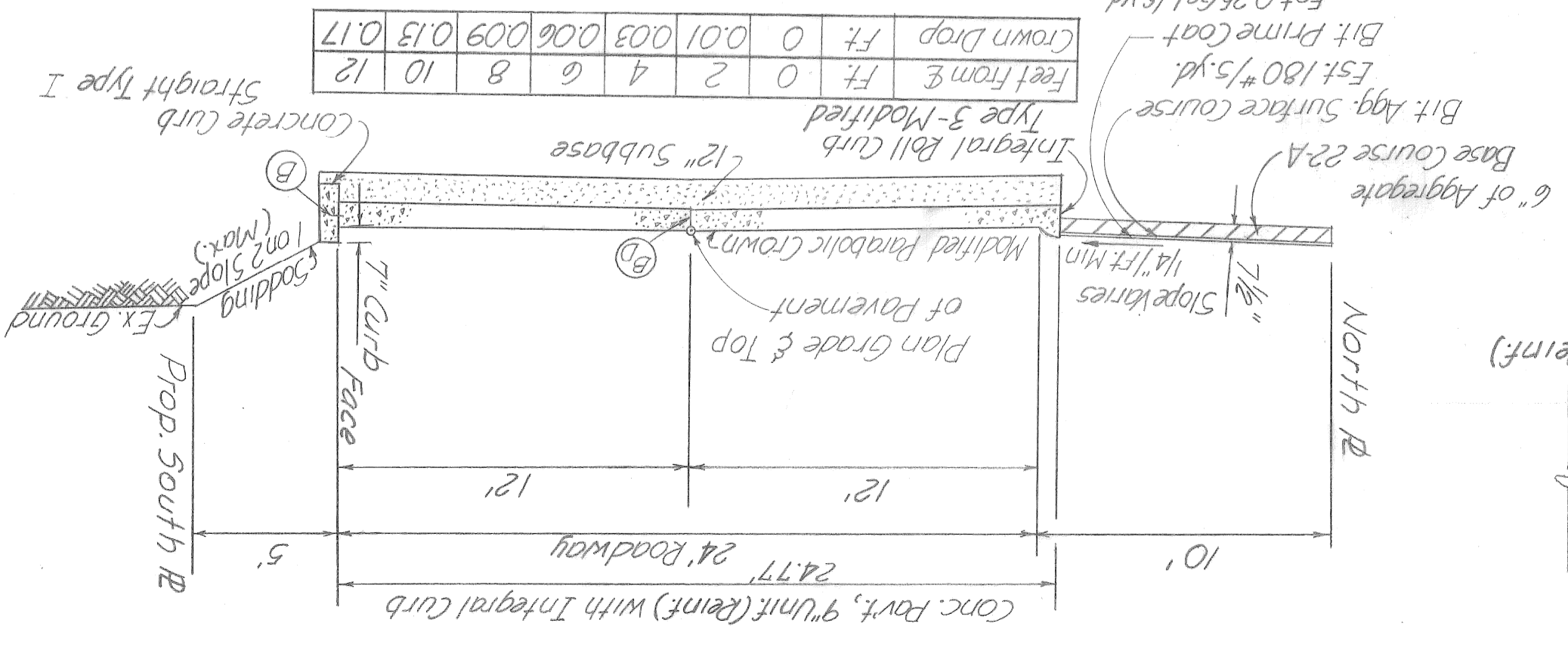
DETAIL B



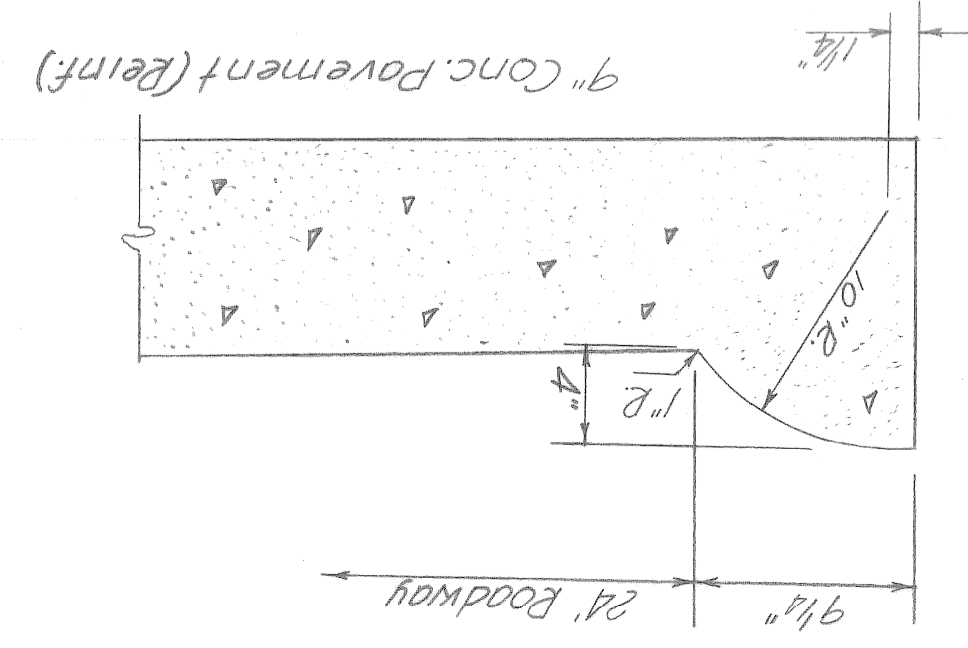
DETAIL A



TYPICAL SECTION RAMP C



INTEGRAL BOLL CURB TYPE 3 - MODIFIED



6" of Aggregate  
Base Course 22A  
14" 1/2" Min. Slope  
Integral Roll Curb  
Type 3 Modified  
Bit Agg. Surface Course  
Est. 180#/yd.  
Bit Prime Coat  
Est. 25 gal/syd.  
Crown Drop Ft. 0  
Feet from E. Ft. 0  
0.01 0.03 0.06 0.09 0.13 0.17

Payment for the Detail B Guard Rail Anchor Assembly is included with Steel Beam Guard Rail

CITY OF DETROIT  
 AS BUILT 9-23-71 E.M.B. [Signature]

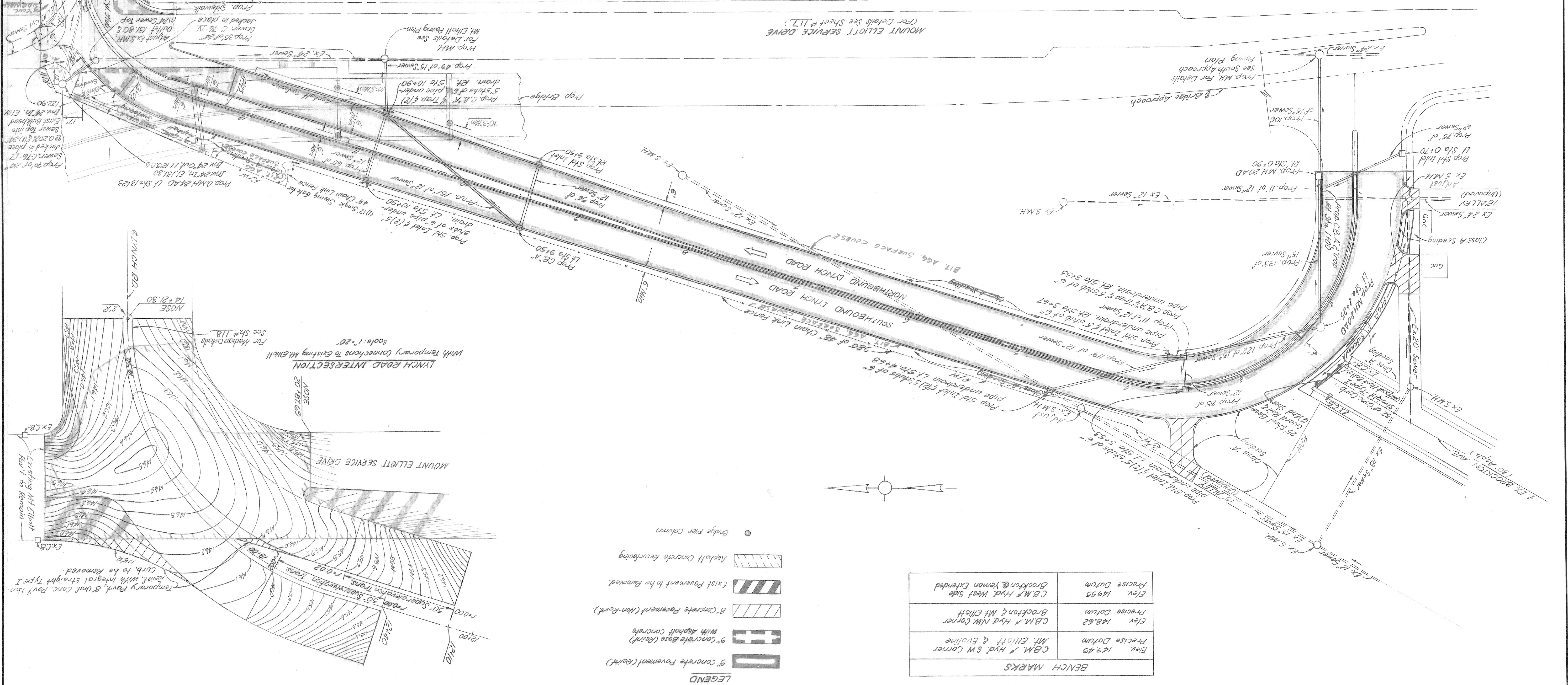
PLANS PREPARED BY CITY OF DETROIT

STATE	FILE	ROAD
BRIDGE		

ITEM	QUANTITIES - LYNCH ROAD	ITEM	TOTALS
Preparing the existing Pavement	769 sq. Yds.	8' Uniform Concrete Pavement, Non-Reinforced	252 sq. Yds.
8' Uniform Concrete Pavement, Non-Reinforced	252 sq. Yds.	8' Uniform Conc. Pavt. Non-Rein. with Integral Straight Joint Curb	40 sq. Yds.
9' Uniform Concrete Pavement, Reinforced	4685 sq. Yds.	9' Uniform Concrete Pavement, Reinforced	4685 sq. Yds.
9' Uniform Concrete Base Course, Reinforced	217 sq. Yds.	9' Uniform Concrete Base Course, Reinforced	217 sq. Yds.
Mulching	052 Acres	Mulching	052 Acres
Topsail Surfacing	134 Cu. Yds.	Topsail Surfacing	134 Cu. Yds.
Calcium Chloride	4907 Lin. Ft.	Calcium Chloride	4907 Lin. Ft.
Concrete Curb - Straight, Type I, without Hook Bolts, 7" Face	198 Lin. Ft.	Concrete Curb - Straight, Type I, without Hook Bolts, 7" Face	198 Lin. Ft.
Bituminous Prime Coat	89 Gals.	Bituminous Prime Coat	89 Gals.
Bituminous Bond Coat	90 Gals.	Bituminous Bond Coat	90 Gals.
Asphaltic Conc. Wearing Course 3/4" Mix, Gravel Aggregate	54 Tons	Asphaltic Conc. Wearing Course 3/4" Mix, Gravel Aggregate	54 Tons
Asphaltic Conc. Binder Course 2 1/4" Mix, Gravel Aggregate	88 Tons	Asphaltic Conc. Binder Course 2 1/4" Mix, Gravel Aggregate	88 Tons
Asphaltic Conc. Base Course 2 1/4" Mix, Gravel Aggregate	119 Tons	Asphaltic Conc. Base Course 2 1/4" Mix, Gravel Aggregate	119 Tons
Aggregate Base Course 2 1/4"	32 Tons	Aggregate Base Course 2 1/4"	32 Tons
24" Dia. Sewer (C-76) (C-111) Jacked in place, 16.1 to 25 deep	70 Lin. Ft.	24" Dia. Sewer (C-76) (C-111) Jacked in place, 16.1 to 25 deep	70 Lin. Ft.
Steel Beam Guard Rail	375 Lin. Ft.	Steel Beam Guard Rail	375 Lin. Ft.
Moving Wrought Iron Fence	63 Lin. Ft.	Moving Wrought Iron Fence	63 Lin. Ft.
16" Single Swing Gate for 48" Chain Link Fence	1 Each	16" Single Swing Gate for 48" Chain Link Fence	1 Each
12" Single Swing Gate for 48" Chain Link Fence	1 Each	12" Single Swing Gate for 48" Chain Link Fence	1 Each
48" Chain Link Fence	987 Lin. Ft.	48" Chain Link Fence	987 Lin. Ft.
5" Concrete Median	6345 Sq. Ft.	5" Concrete Median	6345 Sq. Ft.
7" Concrete Median	69 Sq. Yds.	7" Concrete Median	69 Sq. Yds.
4" Concrete Sidewalk	1547 Sq. Ft.	4" Concrete Sidewalk	1547 Sq. Ft.
Class A Seeding	052 Acres	Class A Seeding	052 Acres
TOTALS		TOTALS	

**GENERAL NOTES**

- See General Drawing for Asphalt Surface Removal.
- If bulkhead exists remove portion of invert of 9" stub equivalent to 1 square feet.



**BENCH MARKS**

Elem. 129.49	CBM. # Hyd S.W. Corner	Precise Datum
Elem. 148.62	CBM. # Hyd N.W. Corner	Precise Datum
Elem. 149.55	CBM. # Hyd West Side	Precise Datum
	Brockton & Mt. Elliott	
	Brockton & Yeman extended	

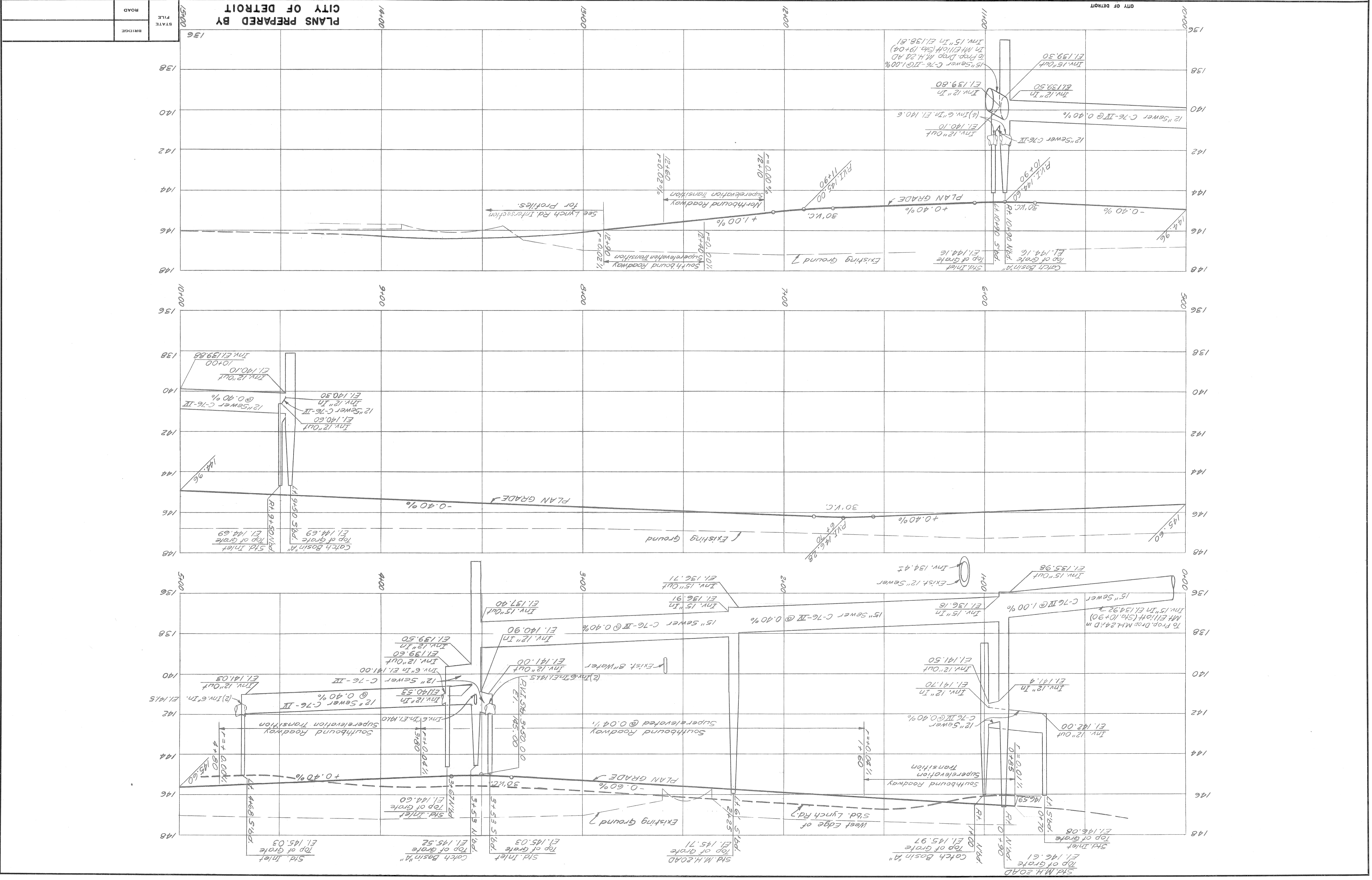
REVISIONS

DATE	BY	DATE	BY
1-56	C.H.L.	1-56	C.H.L.
1-56	C.H.L.	1-56	C.H.L.
1-56	C.H.L.	1-56	C.H.L.

WAYNE COUNTY ROAD COMMISSIONERS  
 BOARD OF  
 DETROIT, MICHIGAN  
 PHILIP J. NEUDECK  
 WILLIAM E. KREGER  
 MICHAEL BERRY

MOUNT ELLIOTT - MOUND ROAD  
 GRADE SEPARATION  
 LYNCH ROAD PROFILES

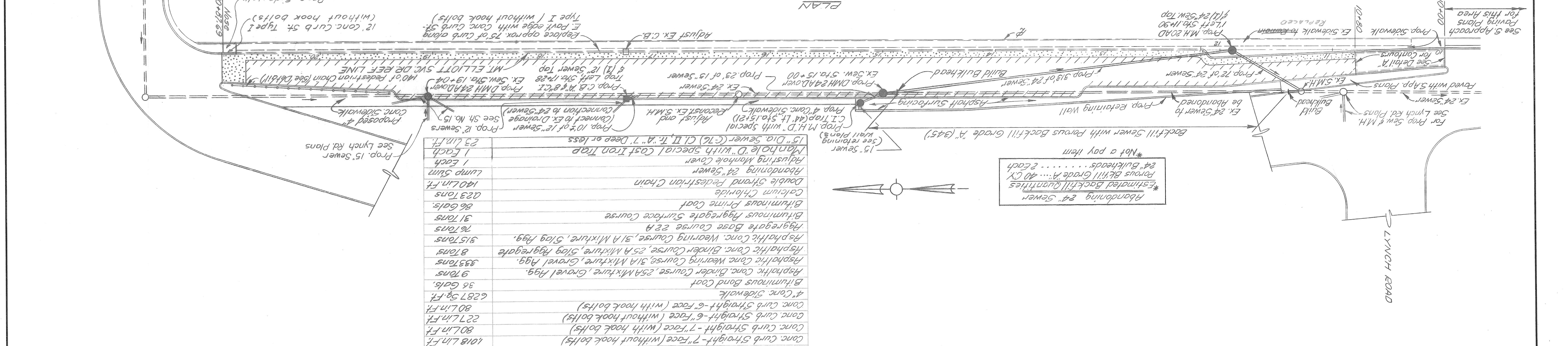
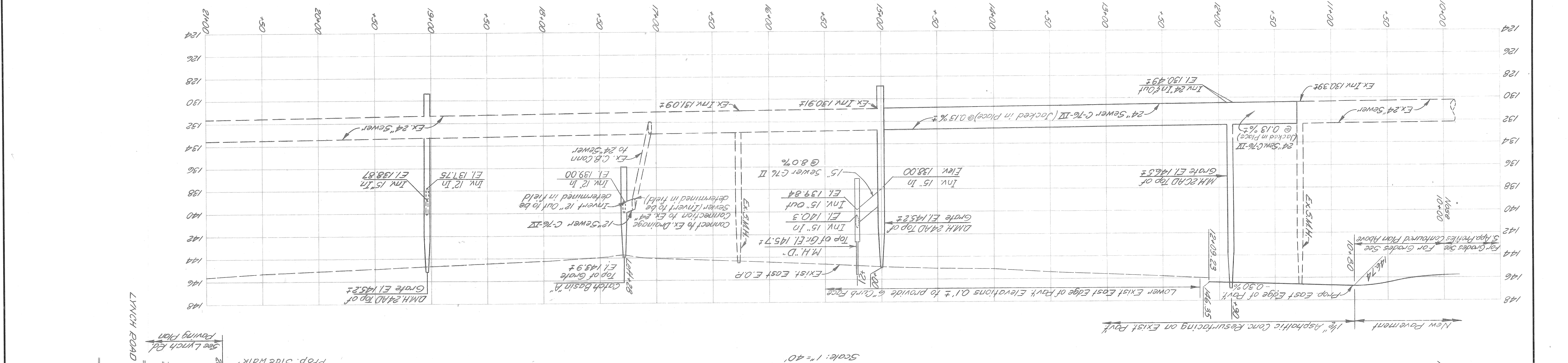
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 SHEET NO.  
 246  
 DATE 5-13-68



PLANS PREPARED BY  
 CITY OF DETROIT

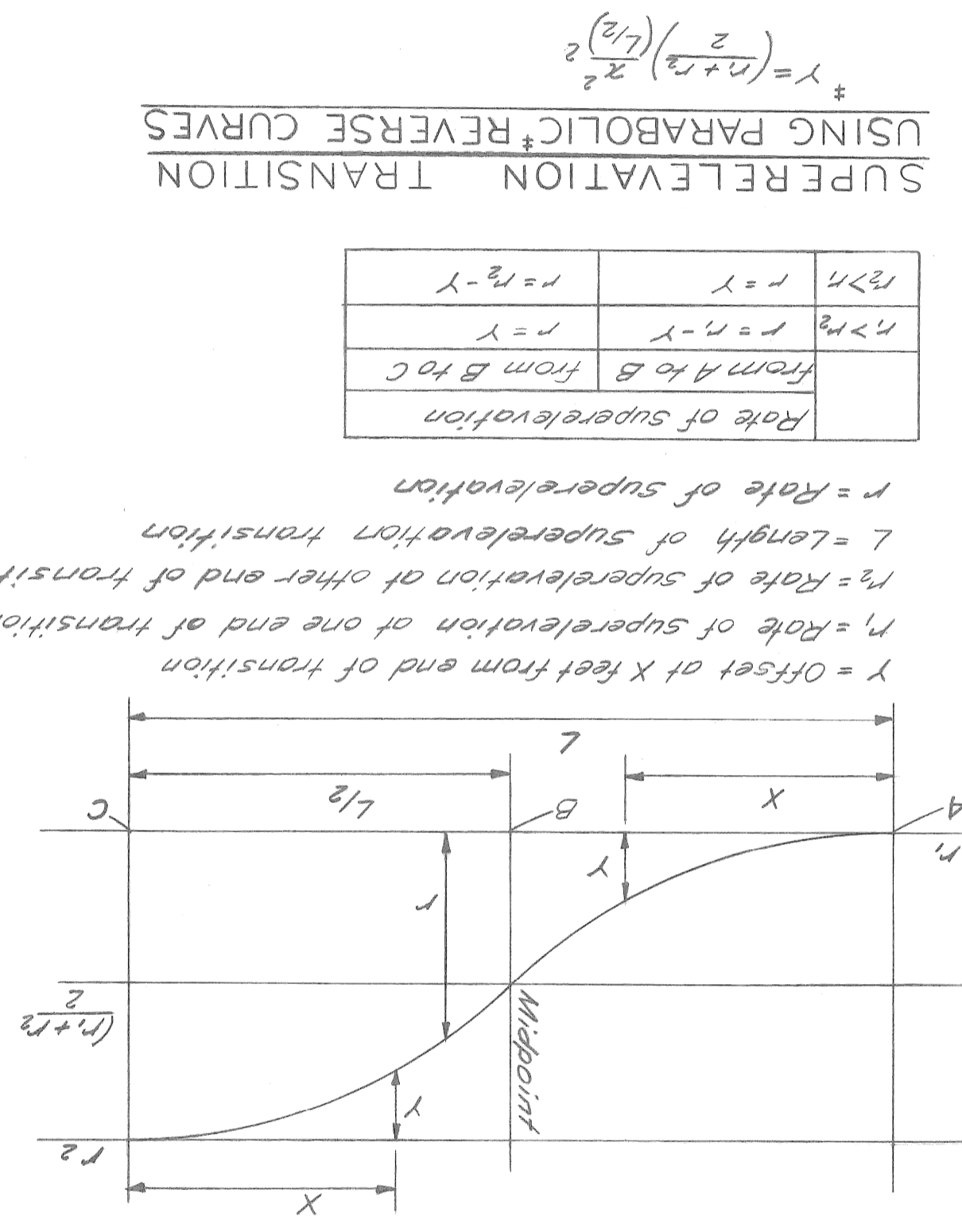
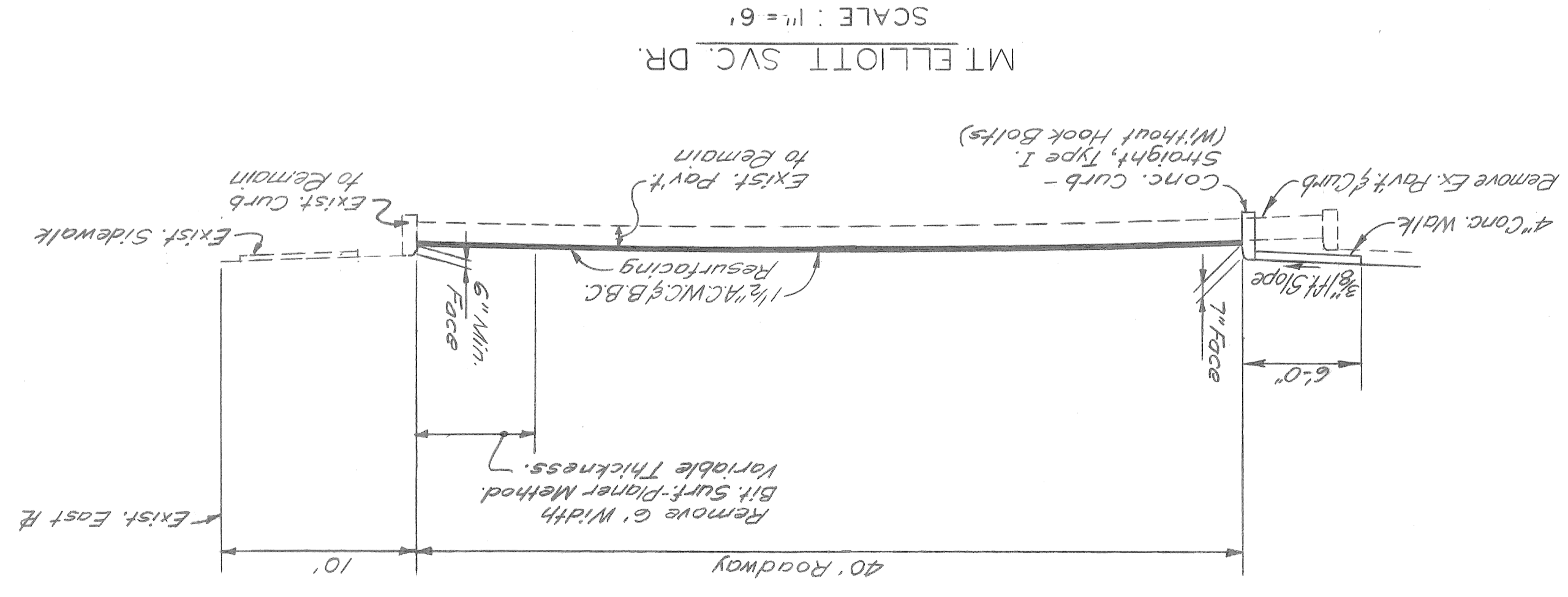
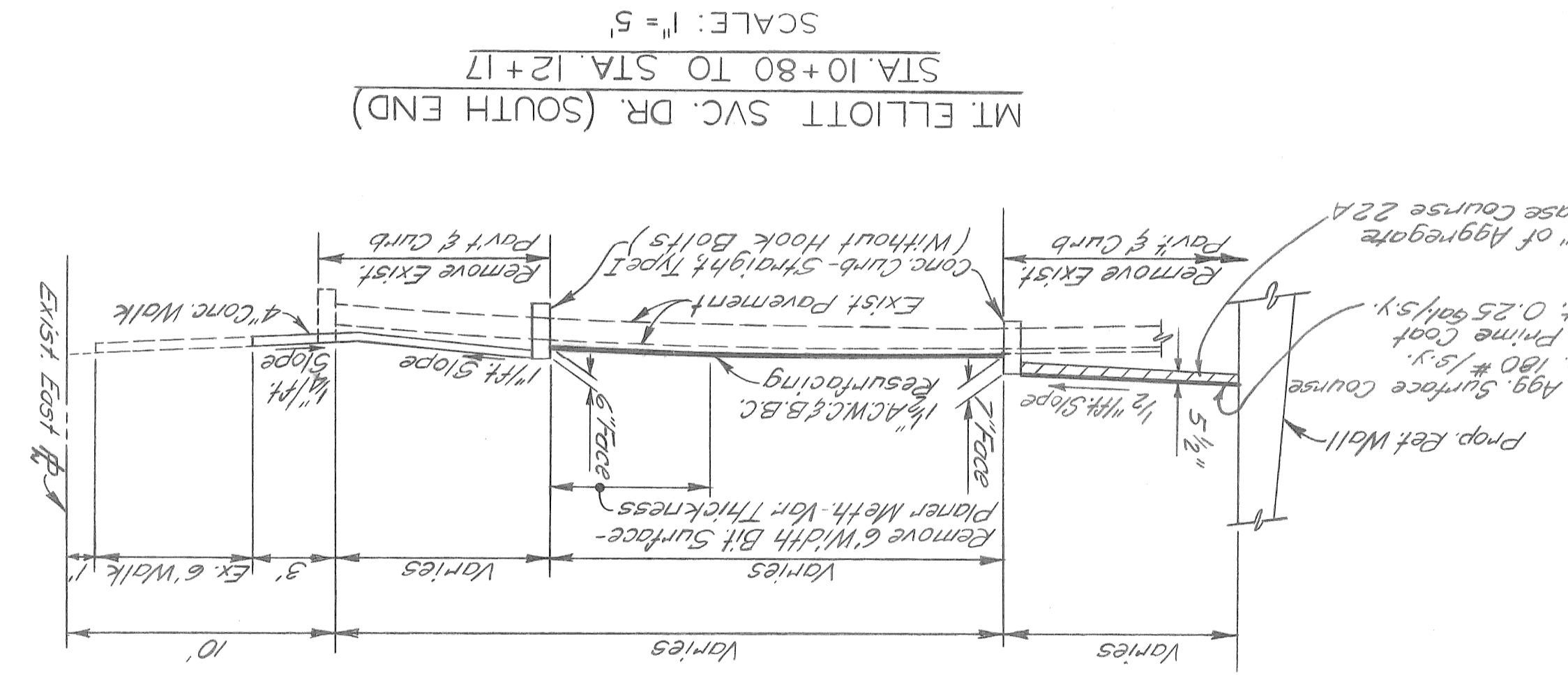
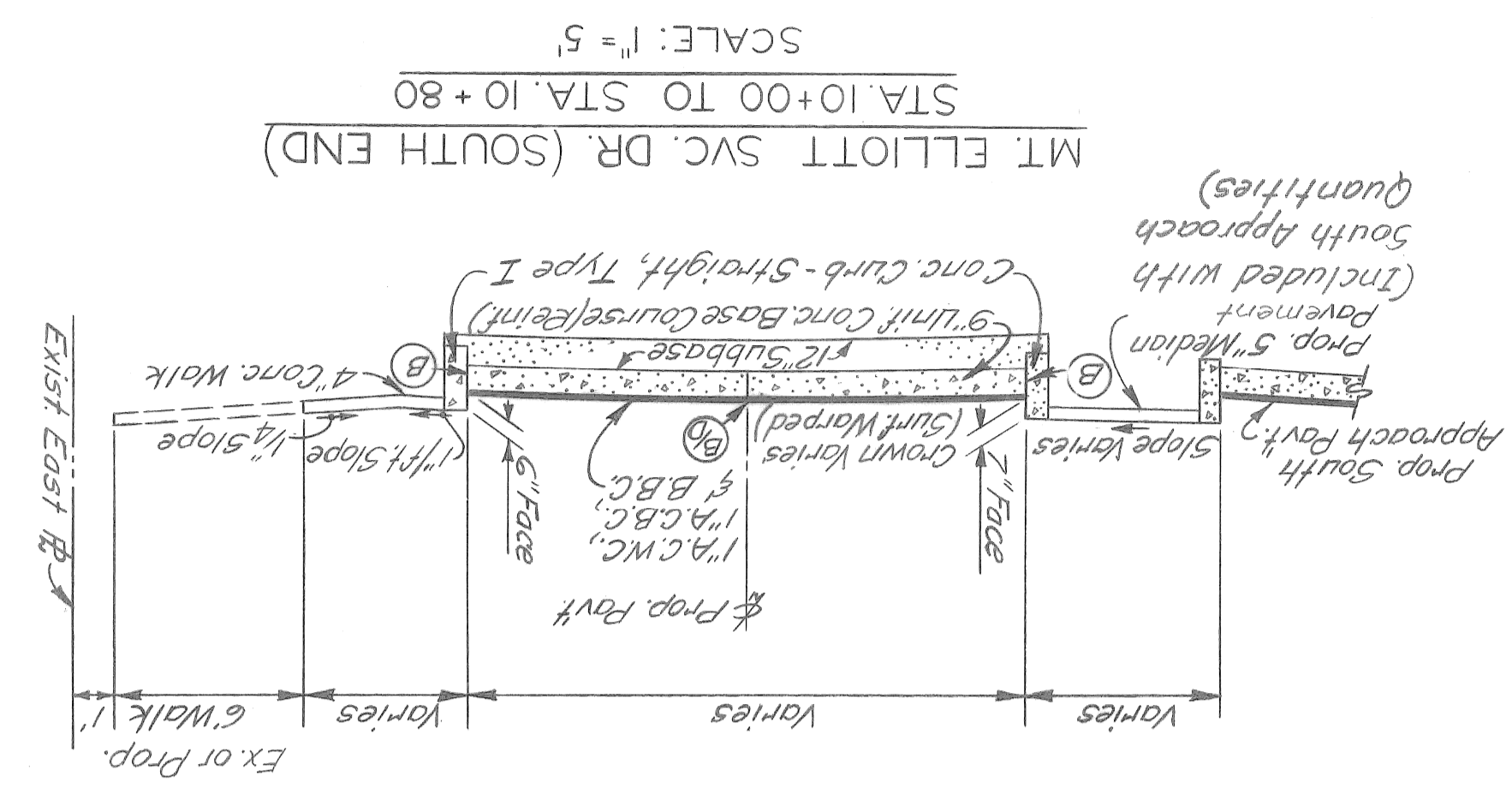
STATE FILE  
 BRIDGE

ROAD

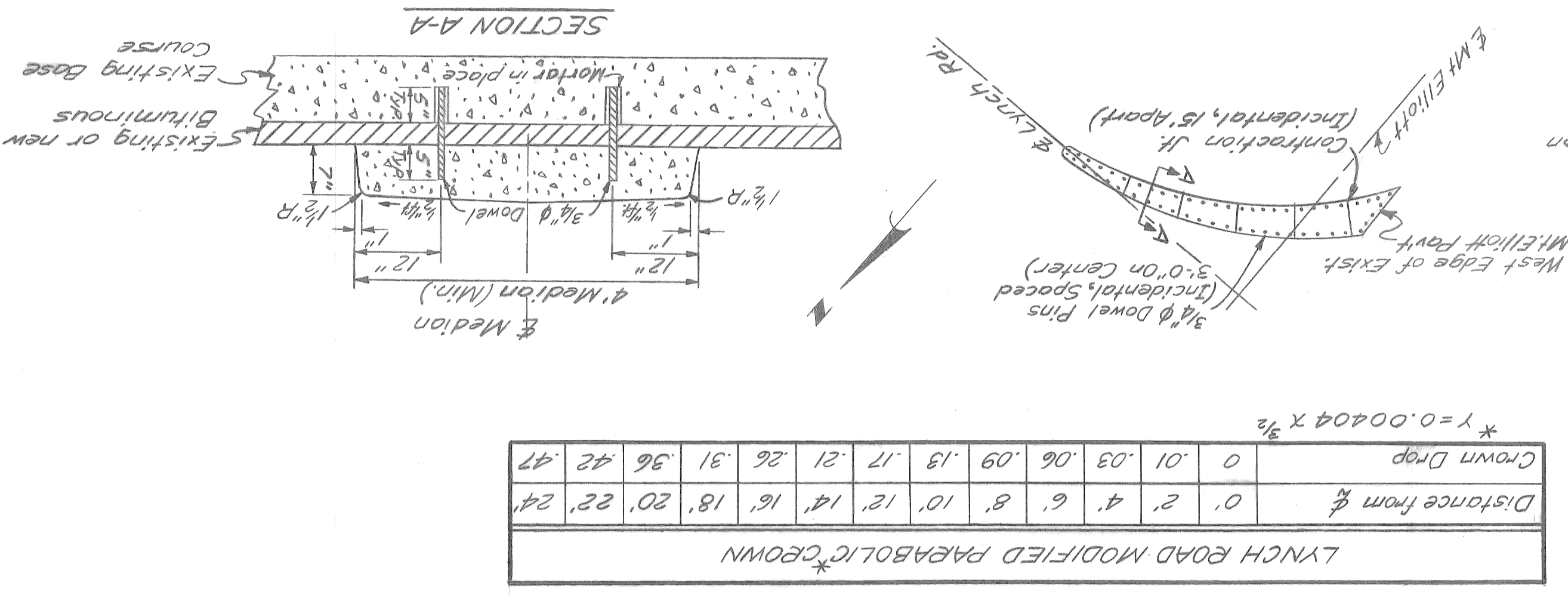


ITEM	QUANTITIES - MT. ELLIOTT SERVICE DR.
Earth Excavation	356 Cu Yds.
Subbase (Compacted in Place)	54 Cu Yds.
Remove Bituminous Surface - Planer Method	713 Sq. Yds.
Preparing Ex. Pavt.	3,221 Sq. Yds.
Reconstruct M.H.	3 Lin. Ft.
Adjusting Catch Basin Cover	1 Each
DMH 24 AD	2 Each
MH 20 AD	1 Each
Catch Basin "A" with 8" C.I. Trap	1 Each
18" Dia. Sewer (C-76) C.I. IV, Tr. "A", 7' Deep or Less	10 Lin. Ft.
24" Dia. Sewer (C-76) C.I. IV, Jacked in Place, 10.1 to 16' Deep	385 Lin. Ft.
12" Sewer Taps	1 Each
24" Sewer Taps	1 Each
Conc. Base Course - 9" Uniform	156 Sq. Yds.
Pavement Reinforcement	1018 Lin. Ft.
Conc. Curb Straight - 7" Face (with hook bolts)	80 Lin. Ft.
Conc. Curb Straight - 6" Face (without hook bolts)	227 Lin. Ft.
Conc. Curb Straight - 6" Face (with hook bolts)	80 Lin. Ft.
4" Conc. Sidewalk	6287 Sq. Ft.
Bituminous Bond Coat	36 Gals.
Asphaltic Conc. Binder Course, 25A Mixture, Gravel Agg.	9 Tons.
Asphaltic Conc. Binder Course, 25A Mixture, Gravel Agg.	333 Tons.
Asphaltic Conc. Wearing Course, 31A Mixture, 51og Agg.	8 Tons.
Asphaltic Conc. Wearing Course, 31A Mixture, 51og Agg.	315 Tons.
Aggregate Base Course 22A	76 Tons.
Bituminous Aggregate Surface Course	31 Tons.
Bituminous Prime Coat	86 Gals.
Calcium Chloride	223 Tons.
Double Strand Pedestrian Chain	140 Lin. Ft.
Adjusting Manhole Cover	1 Each
Abandoning 24" Sewer	1 Each
Manhole "D" with Special Cast Iron Trap	1 Each
15" Dia. Sewer (C-76) C.I. IV, Tr. "A", 7' Deep or Less	23 Lin. Ft.

PLANS PREPARED BY CITY OF DETROIT
STATE FILE
ROAD
BRIDGE



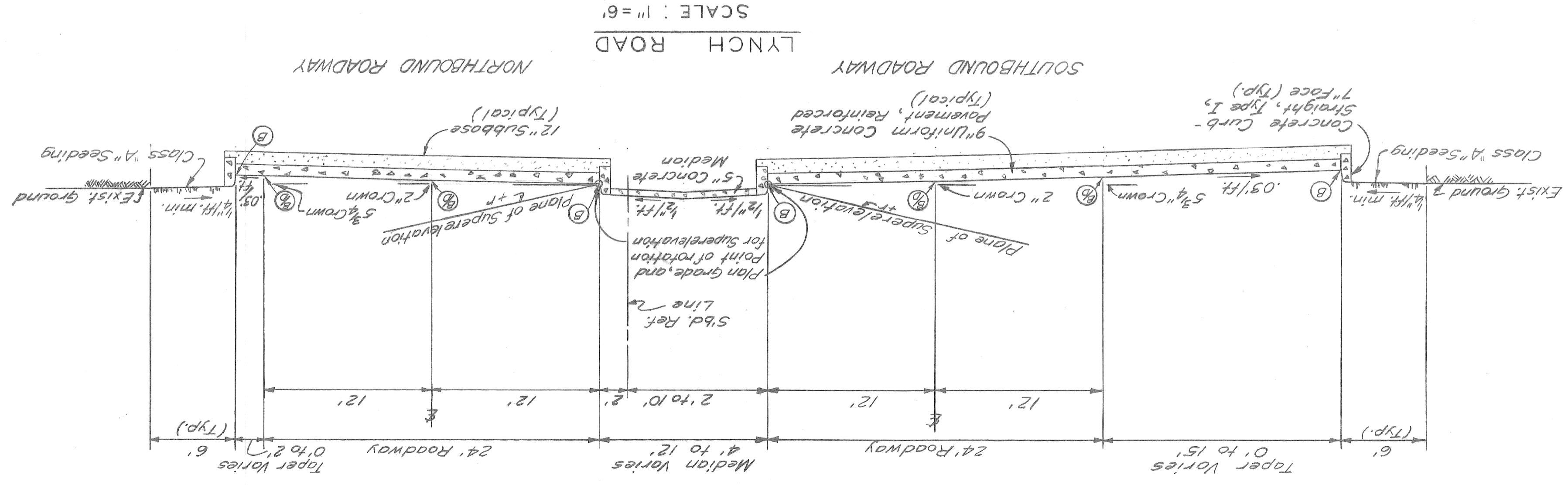
SUPERELEVATION TRANSITION  
USING PARABOLIC REVERSE CURVES  
NOT TO SCALE



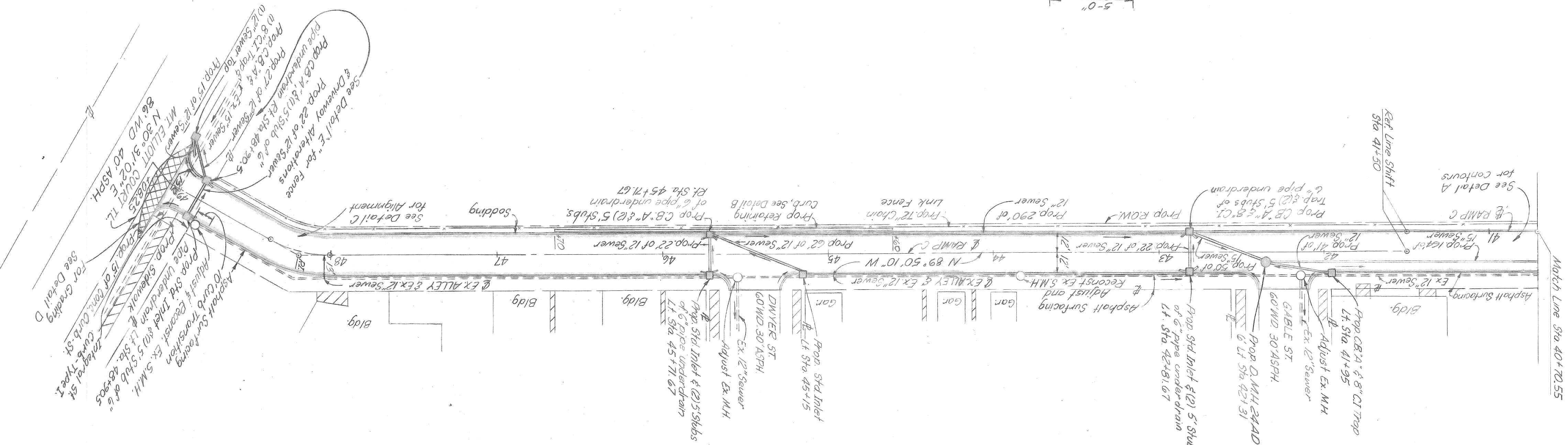
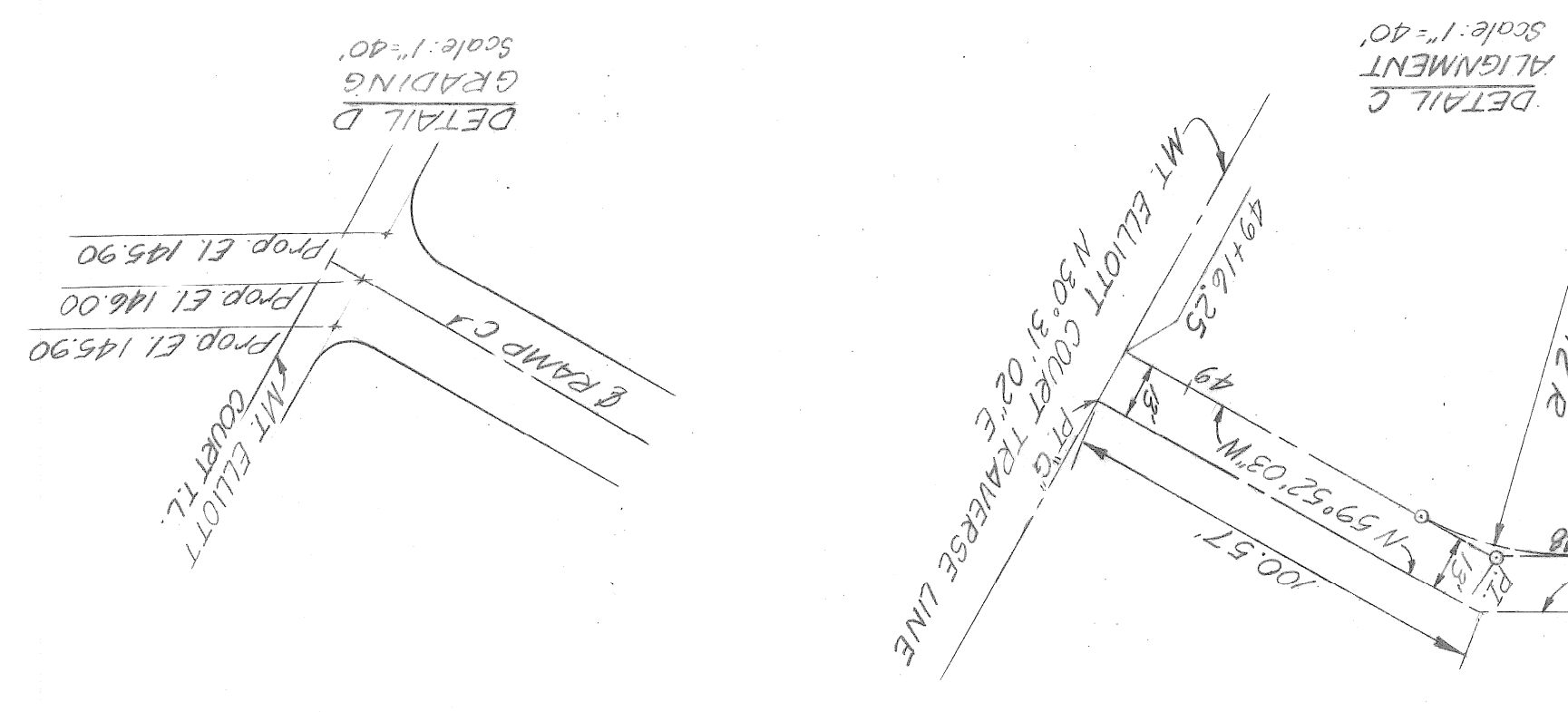
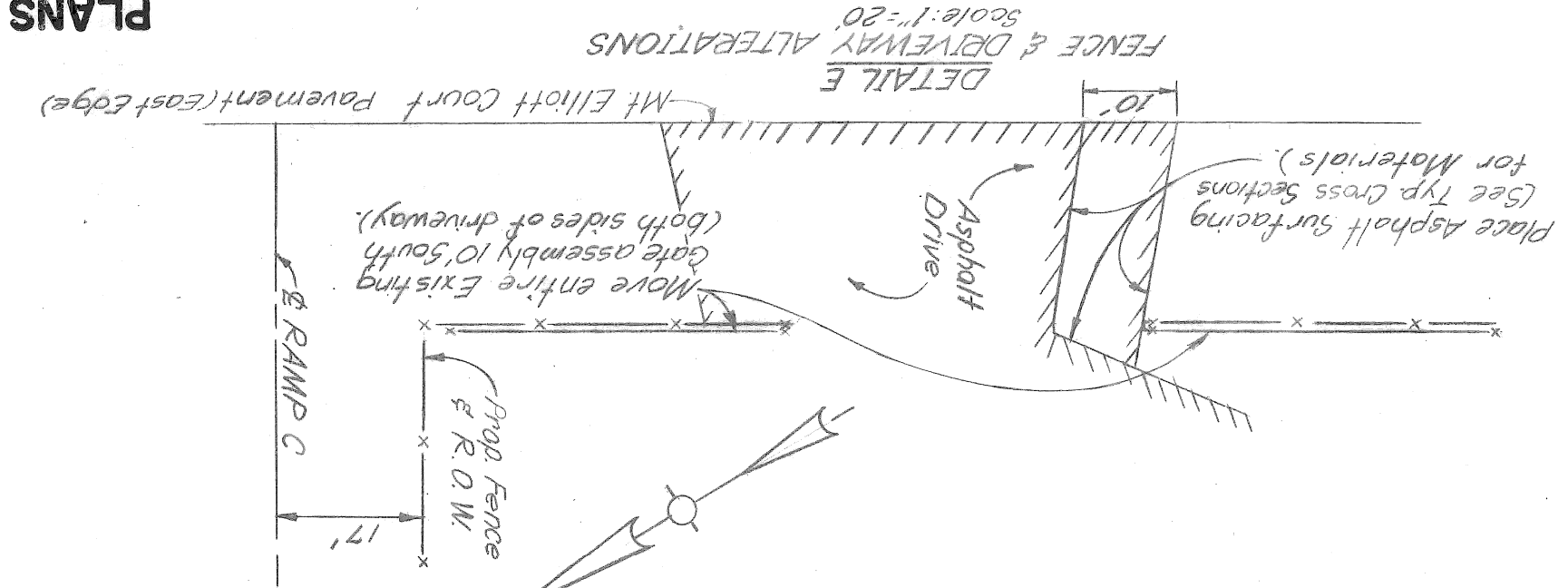
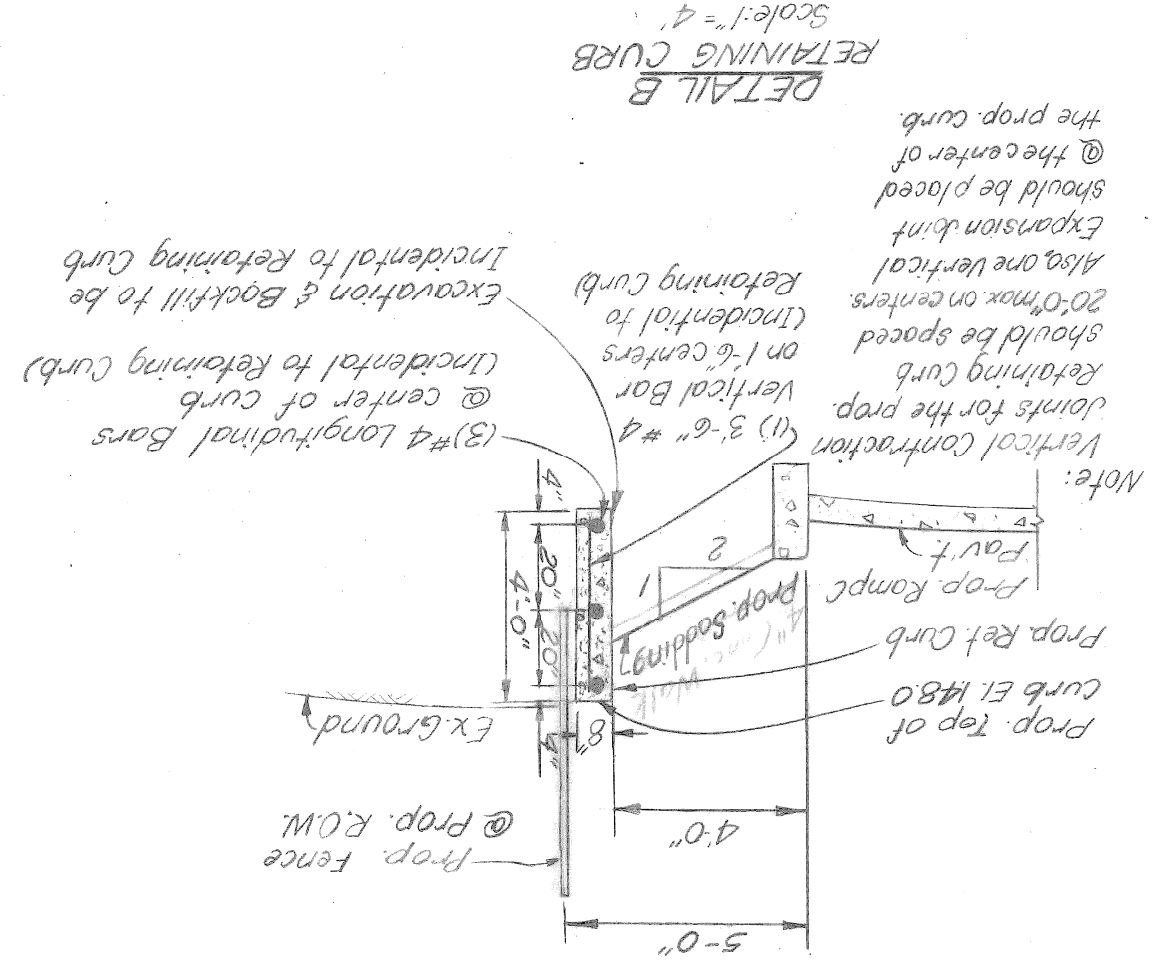
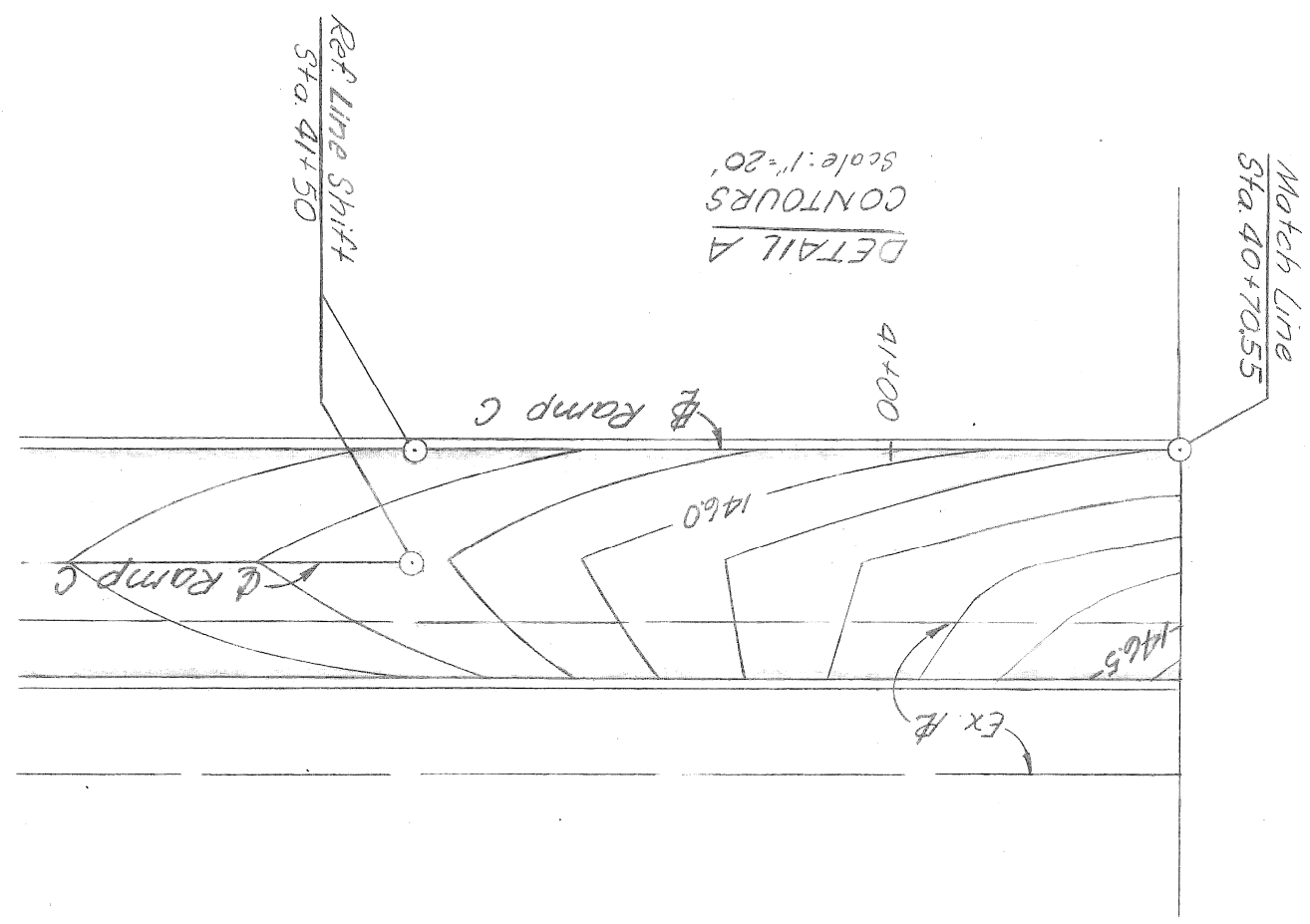
\*  $y = 0.00404 X^2$

Distance from $\frac{L}{2}$	0'	2'	4'	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'
Crown Drop	0	.01	.03	.06	.09	.13	.17	.21	.26	.31	.36	.42	.47

LYNCH ROAD MODIFIED PARABOLIC CROWN



ITEM	QUANTITIES - RAMP C
TOTALS	3053 Cu Yds
Earth Excavation	803 Cu Yds
Subbase (Compacted in place)	803 Cu Yds
Drop Manhole 24 AD	1 Ea
Catch Basin "A" with 8" CI Trap	3 Ea
Catch Basin "A"	2 Ea
Standard Inlet	4 Ea
Adjust Manhole Covers	4 Ea
Reconstruct Manhole	6 Lin. Ft.
12" Sewer Taps	1 Ea
Conc. Pav. 4'-9" Unit with Integral curb - Modified	2387 Sq. Yds.
Reinforcement	2387 Sq. Yds.
Conc. Curb Straight (Face)	847 Lin. Ft.
Retaining Curb	210 Lin. Ft.
4" Conc. Walk	120 Sq. Ft.
Aggregate Base Course 22A	271 Tons
Bituminous Aggregate Surface Course	73 Tons
Bituminous Prime Coat	204 Gals.
Bituminous Bond Coat	12 Gals.
6" Pipe Underdrain	50 Lin. Ft.
12" dia. Sewer (C-76) 7' deep or less	15 Lin. Ft.
12" dia. Sewer (C-76) 7' deep or less	48.5 Lin. Ft.
15" dia. Sewer (C-76) CI II 7'-A 7' deep or less	50 Lin. Ft.
15" dia. Sewer (C-76) CI II 7'-A 7' to 10' deep	164 Lin. Ft.
Sodding	403 Sq. Yds
Calcium Chloride	0.81 Tons
72" Chain Link Fence (With 2 Strands Borbed Wire)	807 Lin. Ft.
Moving existing Gate Assembly	1 Ea
Asphaltic Conc. Binder Course, 25A Mixture, 51A Agg.	3 Tons
Asphaltic Conc. Wearing Course, 31A Mixture, 51A Agg.	3 Tons



NOTE: B.M. indicates Construction Bench Mark

BENCH MARK	CEM # Hyd & Mound	Precise Datum
E1 149.20	North & Cassmere	E1 149.20

CURVE DATA RAMP C

Δ	29° 58' 07"
D	79° 34' 39"
R	72.00'
T	19.27'
L	37.66'
E	2.53'
P.C.	48+00.86
P.T.	48+20.13
P.T.	48+38.52

**LEGEND**

9" Concrete Pavement (Reinforced)  
 Existing sidewalk or concrete slab to remain.  
 Remove AC surface & replace with AC.  
 Surface to elevations shown.

**SPECIAL NOTES**

- All proposed Street Returns are 10'R unless otherwise noted.

STATE PROJECT	COUNTY JOB
246	246
ISSUE NO. 1	SHEET NO. 120
DATE 5-13-28	

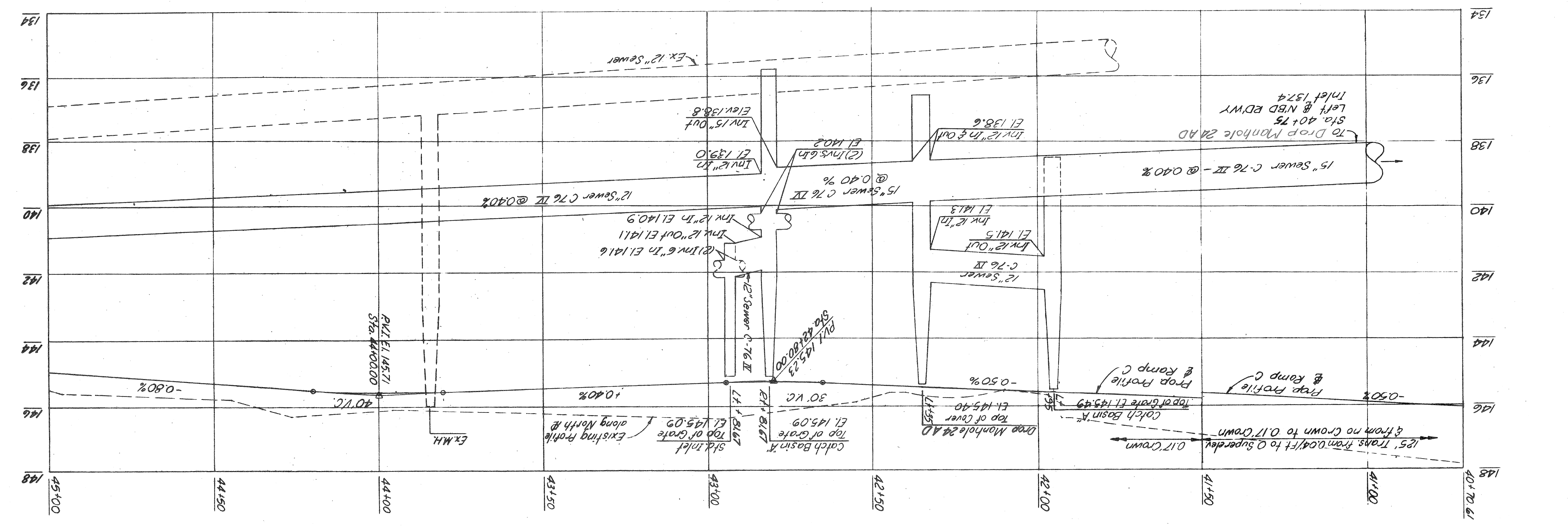
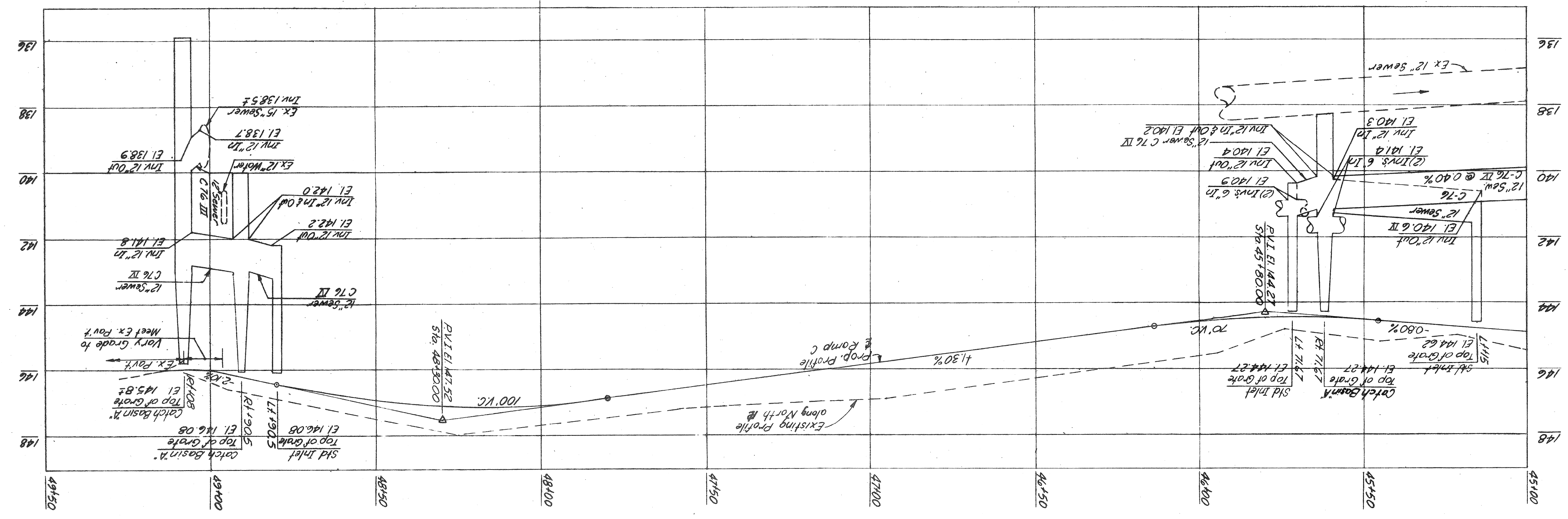
**MOUNT ELLIOTT-MOUND ROAD  
GRADE SEPARATION  
RAMP C PROFILES**

**WAYNE COUNTY ROAD COMMISSIONERS  
BOARD OF  
DETROIT, MICHIGAN**

APPROVED	APPROVED
ENGINEER OF DESIGN, STRUCTURES AND HIGHWAYS	ENGINEER OF DESIGN, STRUCTURES AND HIGHWAYS
APPROVED	APPROVED
ENGINEER OF DESIGN, STRUCTURES AND HIGHWAYS	ENGINEER OF DESIGN, STRUCTURES AND HIGHWAYS

REVISIONS

PLANS PREPARED BY CITY OF DETROIT



STATE	FILE
BRIDGE	ROAD