

PLAN  
Scale: 1"=40'

Note:  
For Legend and Quantities  
See Sheet No. 100

STATE FILE	BRIDGE	ROAD	STATE PROJECT	COUNTY JOB
				246
			ISSUE NO. 1	SHEET NO. 101
			DATE: 1-28	

PLANS PREPARED BY CITY OF DETROIT &  
HAZELT & ERDAL CONSULTING ENGINEERS  
**MOUNT ELLIOTT - MOUND RD.  
GRADE SEPARATION  
REMOVAL PLAN**

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

X0107

H 8 E FILE No. 603

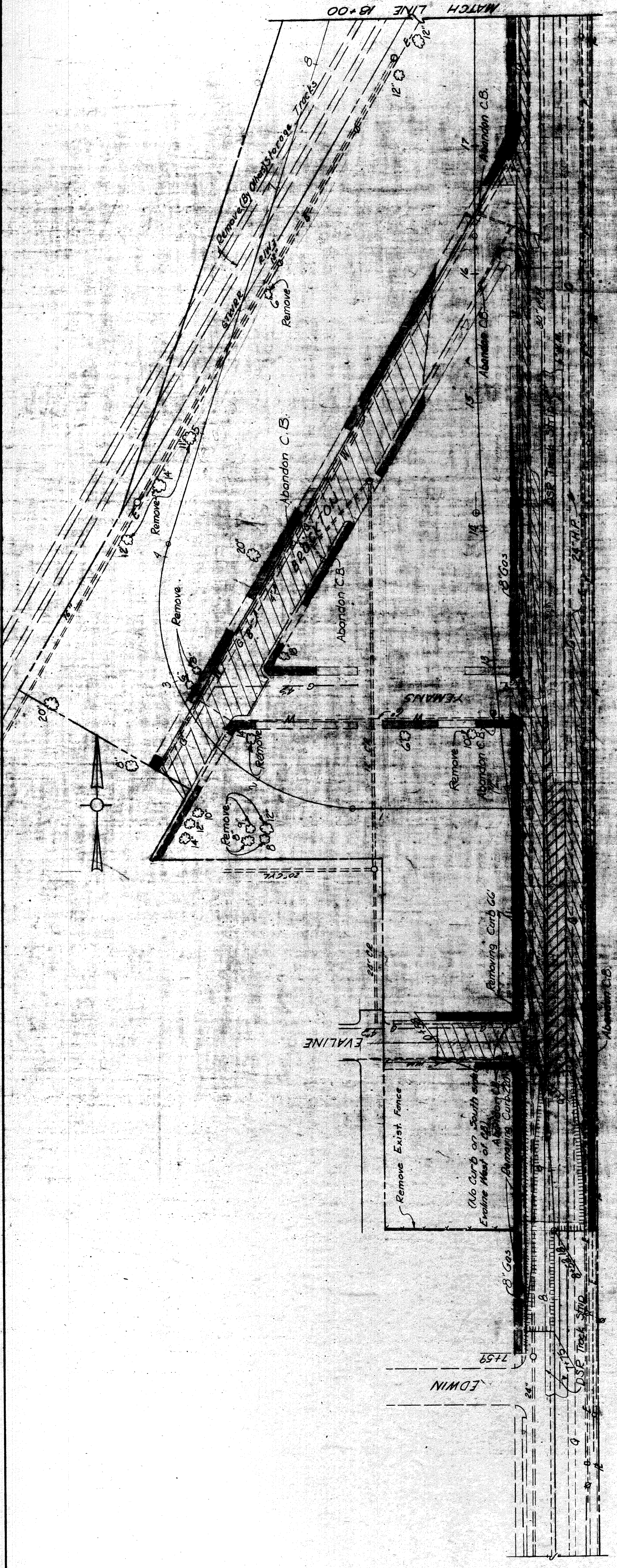
APPROVED  
[Signature]  
ENGINEER OF STRUCTURES AND HIGHWAYS

APPROVED  
[Signature]  
ENGINEER OF DESIGN, MATERIALS AND EXPANSIONS

REVISIONS	DATE	BY	CHECKED BY

Relocate Wrought Iron Fence  
Here (See Lynch Road  
Paving Plan)  
for Bituminous Surface Removal  
on Mt Elliott Service Drive  
See Sh. No. 117

MATCH LINE 18+00



- LEGEND**
- Existing
- Catch Basin
  - Sewer Manhole
  - Fire Hydrant
  - Detroit Edison Co. Pole
  - Fence
  - Public Lighting Commission Pole
  - Western Union Manhole
  - Michigan Bell Telephone Co. Pole
  - Tree

- LEGEND OF PAVEMENTS OF REMOVAL**
- ▨ Removing Old Pavement
  - ▨ Removing Bituminous Surface, Planer Method
  - ▨ Removing Sidewalk
  - ▨ Removing DSR Track Strip
  - ▨ Removing Curb
  - ▨ Removing Old Pavement and Replacing with Concrete Pavement Patching with Asphaltic Concrete Wearing Course

PLAN  
Scale 1"=40'

ITEM	QUANTITIES	AMOUNT
Removing Old Pavement		2063 S.Y.
Removing Sidewalk		1588 S.Y.
Removing Curb		625 L.F.
Removing Bituminous Surface Planer Method		1096 S.Y.
Removing Existing Fence		1437 L.F.
Abandoning Catch Basin		12 Each
Removing Trees - 13" 2"		2 Each
Removing Manhole		1 Each
Removing DSR Track Strip		464 S.Y.
Removing Trees 8" 12"		8 Each
Removing Underground Storage Tanks		3 Each
Concrete Pavement Patching		111 S.Y.
Removing Concrete Wall		Lump Sum
Relocating Private Poles, and Lines		Lump Sum

BRIDGE	STATE FILE	ROAD	COUNTY JOB
			246
			SHEET NO.
			100
			ISSUE NO. 1
			DATE 5-13-68
PLANS PREPARED BY CITY OF DETROIT & HAZELT & ERDAL CONSULTING ENGINEERS		MOUNT ELLIOTT-MOUND RD. GRADE SEPARATION	
WAYNE COUNTY BOARD OF COMMISSIONERS		REMOVAL PLAN	
WILLIAM E. KRIBER		MICHAEL BERRY	
PHILIP J. NEUDECK		X 0 187	
H B E FILE No 603			

**LEGEND**

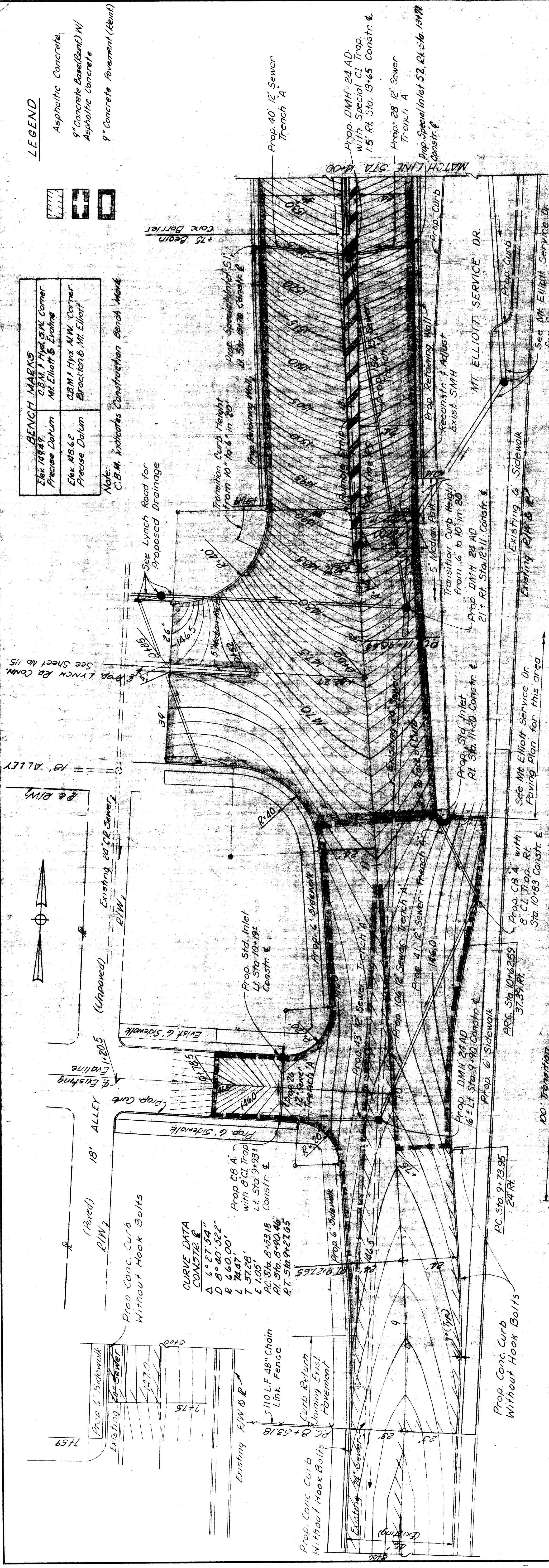
- Asphaltic Concrete
- 9" Concrete Base (Bent) W/ Asphaltic Concrete
- 9" Concrete Pavement (Bent)

**BENCH MARKS**

Elk 14842	C.B.M. Hydr. Spk. Corner Mt. Elliott & Ewing
Elk 14866	C.B.M. Hydr. N.W. Corner Brocton & Mt. Elliott

Note: C.B.M. indicates Construction Bench Mark

Note: C.B.M. indicates Construction Bench Mark



**GENERAL NOTES**

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.

For Details of Pavement Reinforcement, Longitudinal Joints and Transverse Joints see Std. Plan C-17-10

For Details of Concrete Curb, Concrete Sidewalk and Steel Beam Guard Rail see Std. Plan C-17-12

Exact construction limits of Concrete Base Course, Wearing Course and Curb are to be determined by the Engineer.

For Joint Layout see Std. Plan C-17-15

For Concrete Barrier Details see Sheet No. 106

Manholes and Catch Basins shall have City of Detroit Standard covers unless noted.

Elevations shown on these plans are based on City of Detroit Datum. To obtain Wayne County Precise Datum (U.S.C.G.S.) add 479.255

For Rumble Strip details see Sheet No. 106

**QUANTITIES - SOUTH APPROACH**

ITEM	TOTALS
Earth Excavation	1050 Cu Yds
Subbase (Compacted in Place)	847 Cu Yds
Porous Backfill Grade A (Compacted in Place)	8859 Cu Yds
Drain Manhole 24" AD with Special C.I. Trap	2 Each
Standard Inlet	2 Each
Catch Basin 4' with 8" C.I. Trap	2 Each
Pavement Reinforcement	5267 Sq Yds
Concrete Base Course, 9" Uniform	1100 Sq Yds
Concrete Pavement, 9" Uniform	4167 Sq Yds
Concrete Curb, Straight (6" face) without Hook Bolts	219 Lin. Ft.
Concrete Curb, Straight (10" face)	784 Lin. Ft.
4" Concrete Sidewalk	815 Lin. Ft.
Concrete Barrier	5753 Sq. Ft.
5" Median Pavement (Concrete)	289 Lin. Ft.
Bituminous Bond Coat, RS-1A	1047 Sq. Ft.
Asphaltic Conc. Binder Course, 2 1/2" Mixture, Gravel Aggregates	16.5 Tons
Asphaltic Conc. Wearing Course, 3 1/4" Mixture, Gravel Aggregates	78 Tons
Asphaltic Conc. Binder Course, 2 1/2" Mixture, Gravel Aggregates	109 Tons
Asphaltic Conc. Wearing Course, 3 1/4" Mixture, Gravel Aggregates	12 Tons
Asphaltic Conc. Wearing Course, 3 1/4" Mixture, 3/8" Aggregates	103 Tons
Adjusting Manhole Cover	1 Ea.
Reconstructing Manhole	7 Lin. Ft.
Preparing Existing Pavement	876 Sq Yds
12" dia Sewer (C76) C.I. III T.A. 7' deep or less	149 Lin. Ft.
18" dia Sewer (C76) C.I. III T.A. 7' deep or less	115 Lin. Ft.
18" dia Sewer (C76) C.I. III T.A. 7' deep or less	68 Lin. Ft.
18" dia Sewer (C76) C.I. III T.A. 7' deep or less	156 Lin. Ft.
Class A Stealing	0.2 Acs
Mulching	0.2 Acs
Deck Waterproofing	200 Sq Yds
48" Chain Link Fence	110 Lin. Ft.

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

**WAYNE COUNTY ROAD COMMISSIONERS**

BOARD OF DETROIT & ERDAL CONSULTING ENGINEERS

**MOUNT ELLIOTT-MOUND RD. GRADE SEPARATION SOUTH APPROACH PAVING PLAN**

STATE PROJECT: 246  
COUNTY JOB: 103  
ISSUE NO.: 1  
DATE: 5-13-68

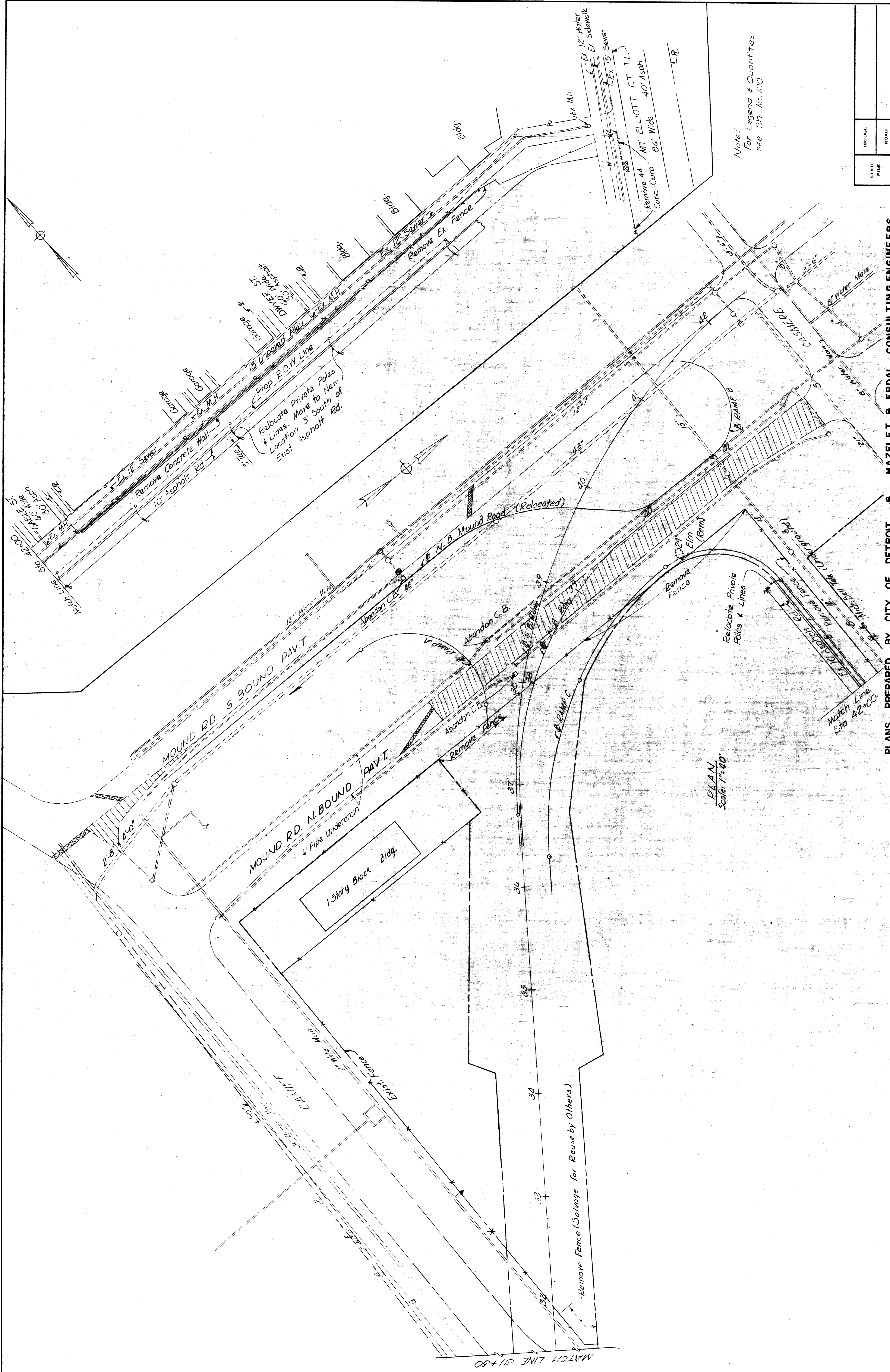
APPROVED: *[Signature]*  
ENGINEER OF STRUCTURES AND ESTIMATIONS  
APPROVED: *[Signature]*  
COMMISSIONER

ROAD LEADER: C.B.C.M.7  
CHECKED BY: DATE: 1-2-7  
DRAWN BY: DATE: 1-2-7  
TRACED BY: DATE: 1-2-7  
CONTR. BY: DATE: 1-2-7

REVISIONS

PHILIP F. NEUBECK  
WILLIAM E. KREGER  
MICHAEL BERRY

H & E FILE No. 603



Note:  
For Legend & Quantities  
see Sh. No. 100

PLAN  
Scale: 1"=40'

STATE FILE	BRIDGE	ROAD	STATE PROJECT	COUNTY JOB
			246	246
			ISSUE NO. 1	SHEET NO. 102
			DATE: 5-12-68	

PLANS PREPARED BY CITY OF DETROIT & HAZELT & ERDAL CONSULTING ENGINEERS  
**MOUNT ELLIOTT-MOUND RD.  
 GRADE SEPARATION  
 REMOVAL PLAN**

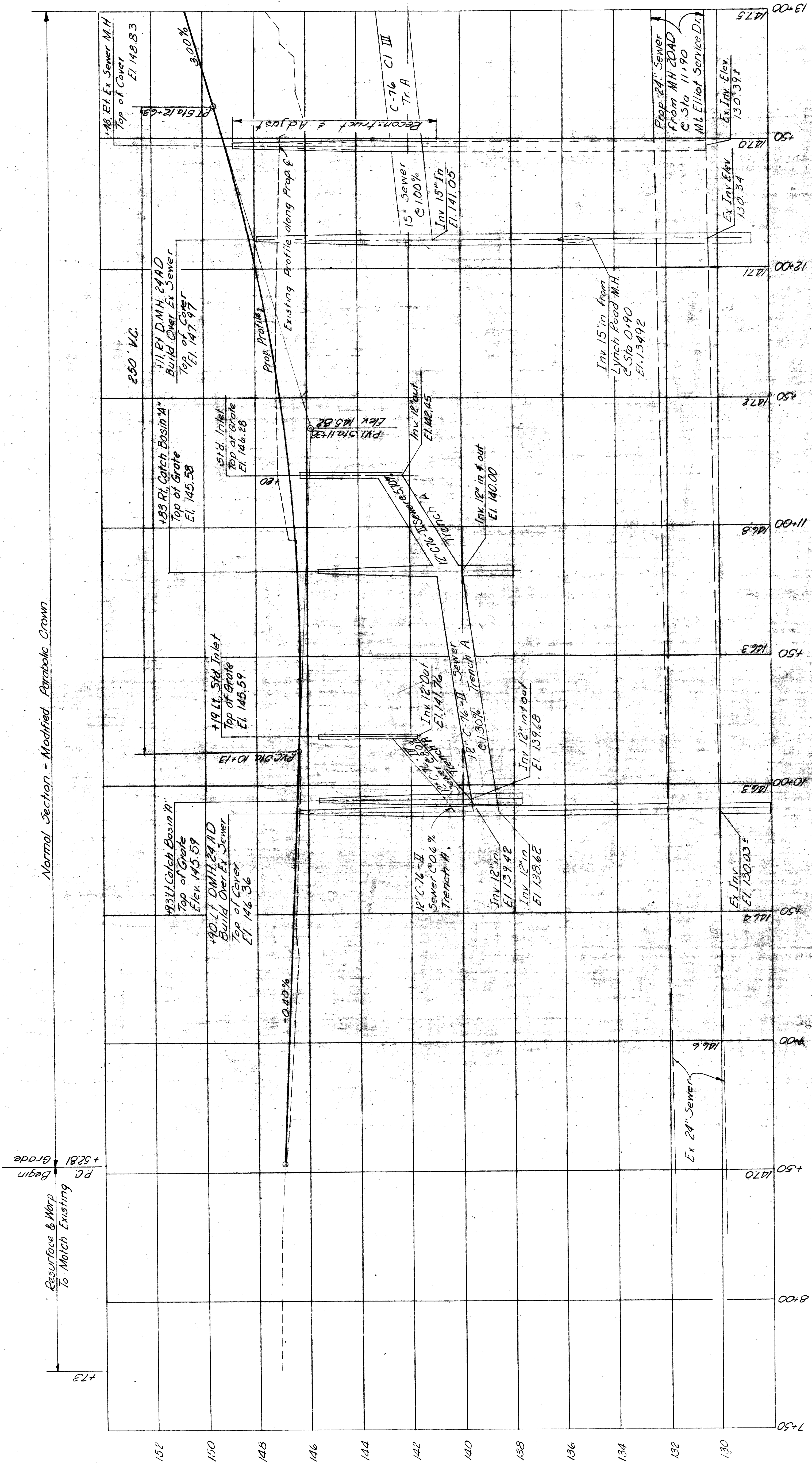
BOARD OF  
**WAYNE COUNTY ROAD COMMISSIONERS**  
 DETROIT, MICHIGAN

PHILIP J. NEUDECK  
 WILLIAM E. KREGER  
 MICHAEL BERRY

APPROVED  
 ENGINEERS OF STRUCTURES AND EXPRESSWAY

DESIGNED BY  
 CHECKED BY  
 CORRECTED BY  
 ENGINEER OF DESIGN, STRUCTURES AND EXPRESSWAY

REVISIONS



Normal Section - Modified Parabolic Crown

Resurface & Warp  
To Match Existing  
PC  
+5281  
Grade  
Begin

Note:  
For Pavement Contours See  
South Approach Paving Plan  
Sheet NE 103

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

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

WAYNE COUNTY ROAD COMMISSIONERS  
DETROIT, MICHIGAN

MOUNT ELLIOTT-MOUND RD.  
GRADE SEPARATION  
SOUTH APPROACH PROFILES

STATE PROJECT  
COUNTY JOB  
246  
SHEET NO.  
104  
ISSUE NO. 1  
DATE 5-13-48

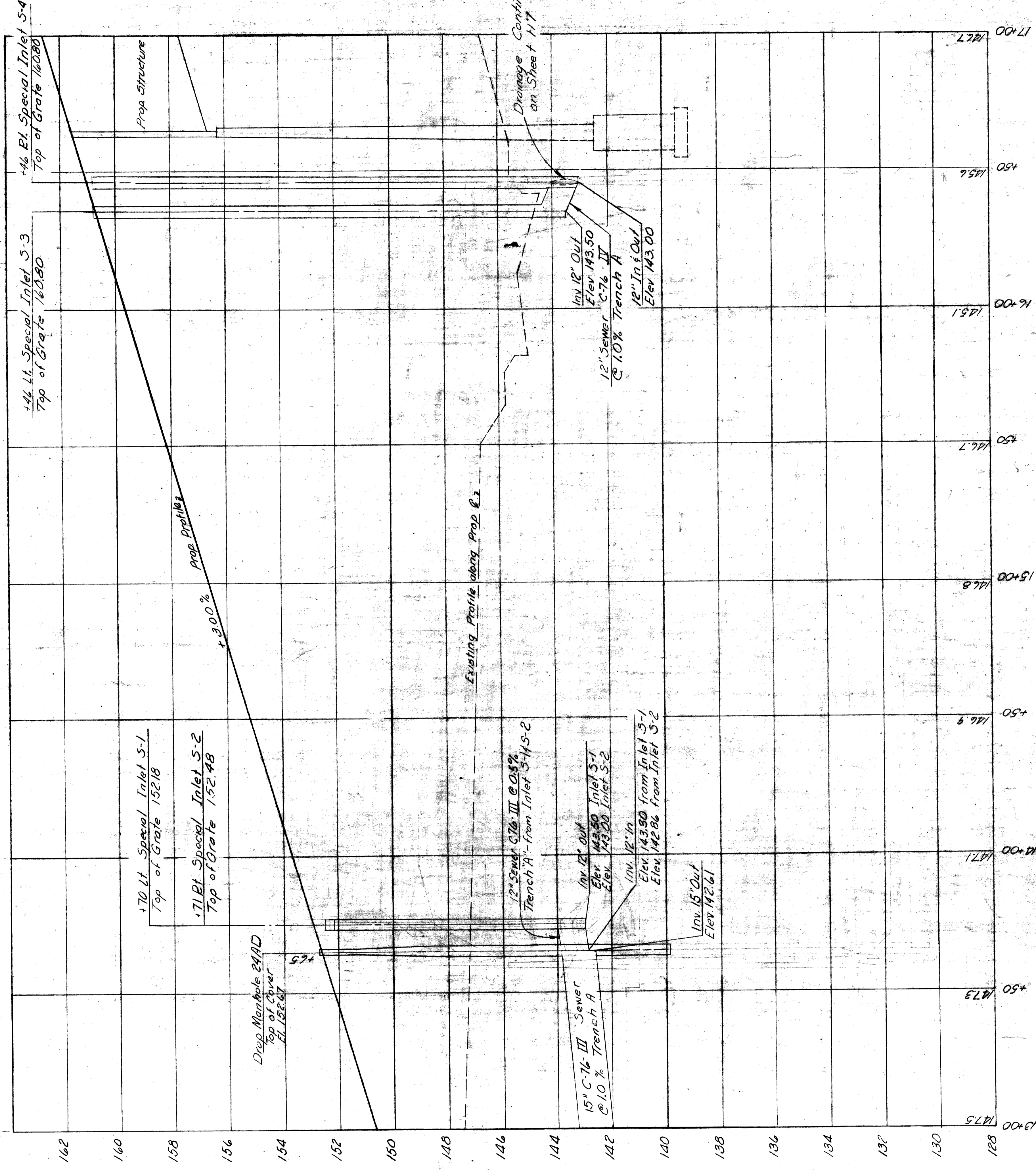
APPROVED  
ENGINEER OF STRUCTURES AND EXPANSIVES  
APPROVED  
ENGINEER OF HIGHWAYS AND EXPANSIVES  
APPROVED  
ENGINEER OF CIVIL ENGINEERING

REVISIONS

BOARD OF  
WAYNE COUNTY ROAD COMMISSIONERS  
DETROIT, MICHIGAN  
WILLIAM E. KRIGER  
PHILIP J. NEUDECK  
MICHAEL BERRY  
H & E FILE No. 603  
X0107

Normal Section - Modified Parabolic Crown

Crown Transition  
Normal Section  
0.0104 ft Straight Slope  
= 0.25 Crown



NOTE:  
For Pavement Contours See  
South Approach Paving Plan  
Sheet N-103

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

HAZELET & ERDAL CONSULTING ENGINEERS

MOUNT ELLIOTT-MOUND RD.  
GRADE SEPARATION  
SOUTH APPROACH PROFILES

WAYNE COUNTY ROAD COMMISSIONERS  
DETROIT, MICHIGAN

APPROVED  
C. Brown  
ENGINEER OF STRUCTURES AND EXPANSIVES

APPROVED  
M. Approach  
ENGINEER OF UTILITY STRUCTURES AND EXPANSIVES

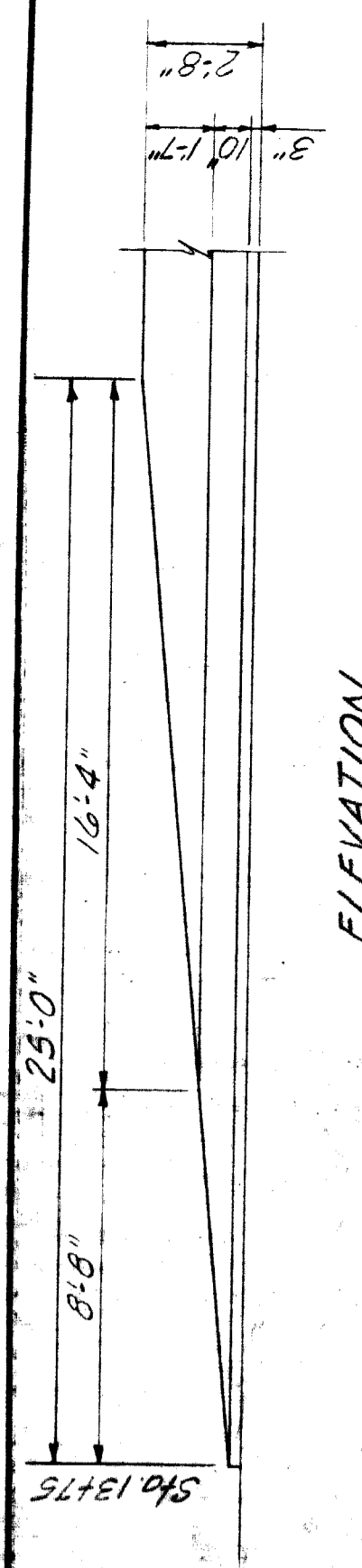
REVISIONS

BRIDGE STATE FILE ROAD

COUNTY JOB  
246  
SHEET NO.  
105  
ISSUE NO. 1  
DATE 5-13-48

X0107

H & E FILE No. 603

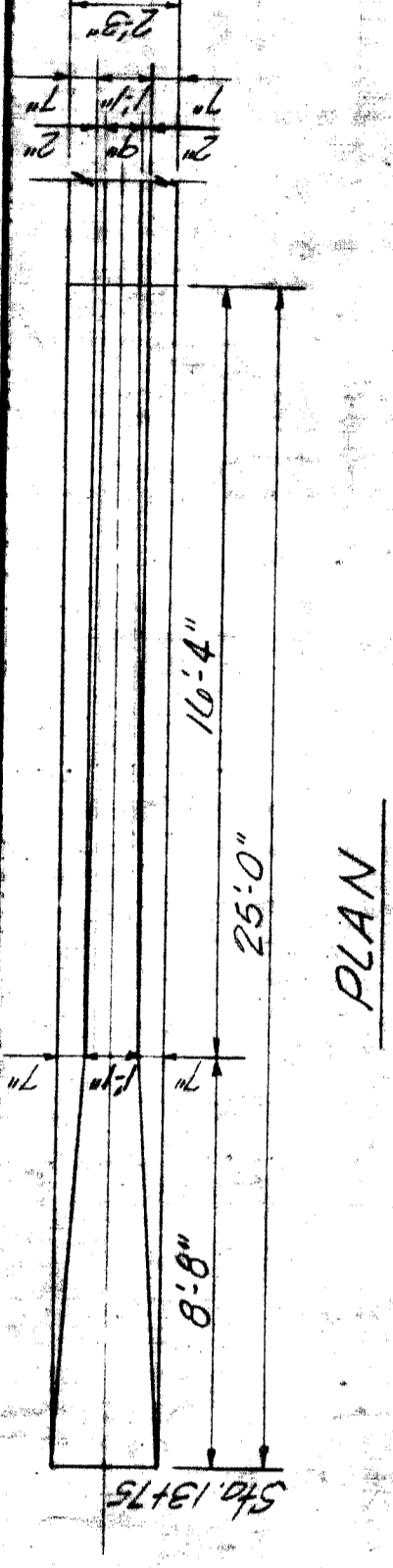


ELEVATION

END DETAIL - CONCRETE BARRIER

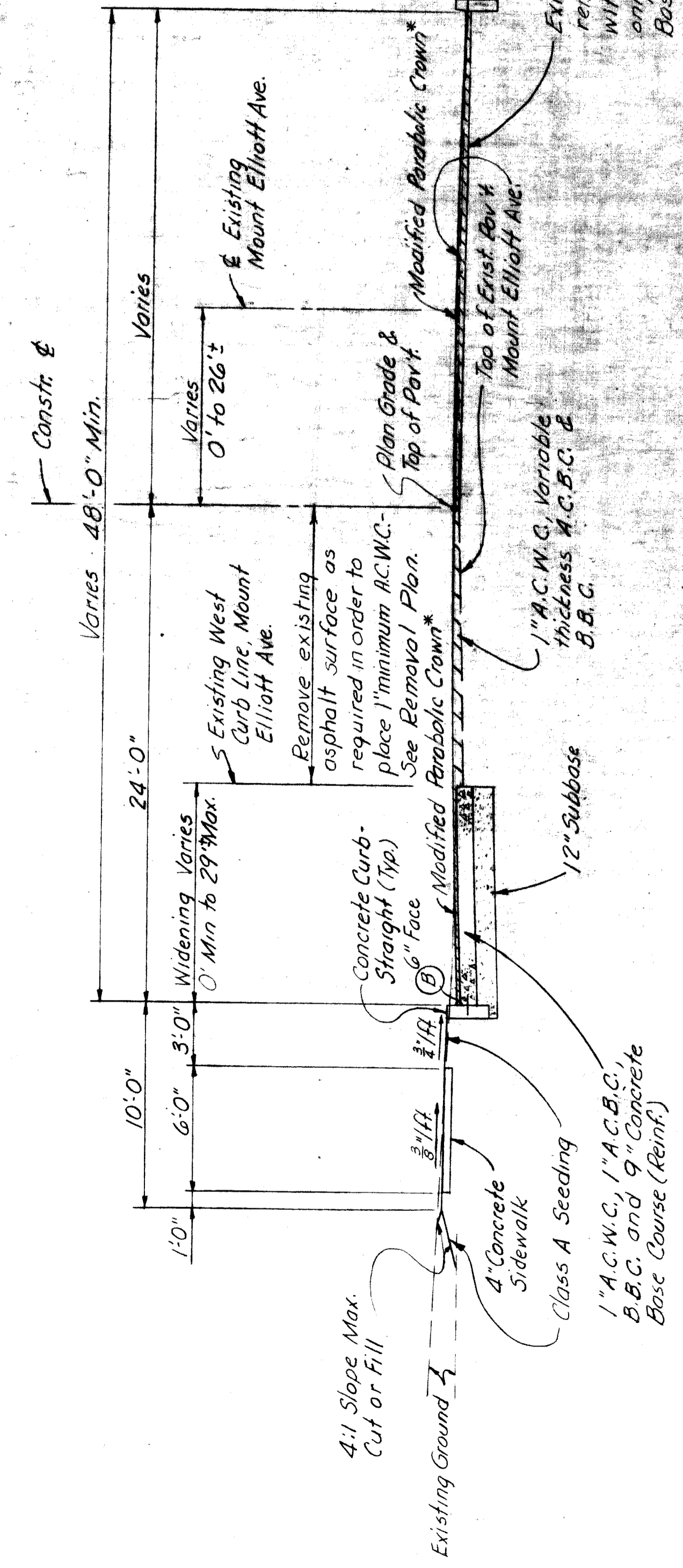
NOTES

- (1) Vary curb height from 6" to 10", and vary curb face to meet retaining wall curb. Transition length to be 20' each side of structure.
- (2) For Pavement Curbs see appropriate paving plans.
- (3) A.C.W.C. = Asphaltic Concrete Wearing Course, Est. @ 110#/S.Y. (Gravel) or 104#/S.Y. (Slag) per 1" thickness.
- A.C.B.C. = Asphaltic Concrete Binder Course, Est. @ 110#/S.Y. (Gravel) or 101#/S.Y. (Slag) per 1" thickness.
- B.B.C. = Bituminous Bond Coat, RS-1A, Est. @ 0.15 Gal./S.Y.



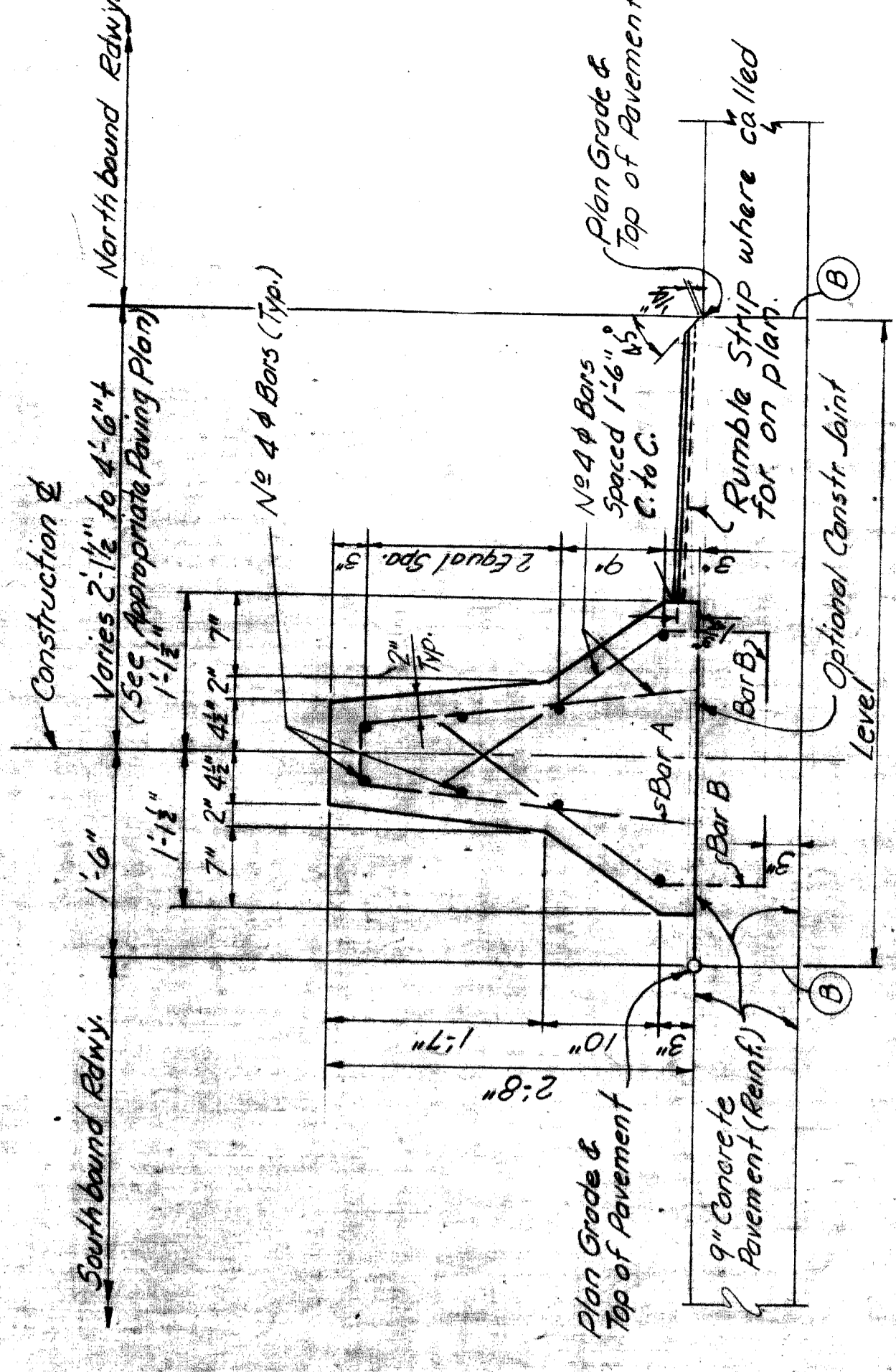
PLAN

East Sidewalk to be raised 1/4" Min. Face of Bldg. 4" Concrete Sidewalk. Existing Surface and/or Base to be removed as shown on the plans and replaced with either 1" A.C.W.C. (for surface removal only) or 1" A.C.W.C., 1" A.C.B.C., B.B.C. and 9" Conc. Base Course Reinforced (for surface and base removal).

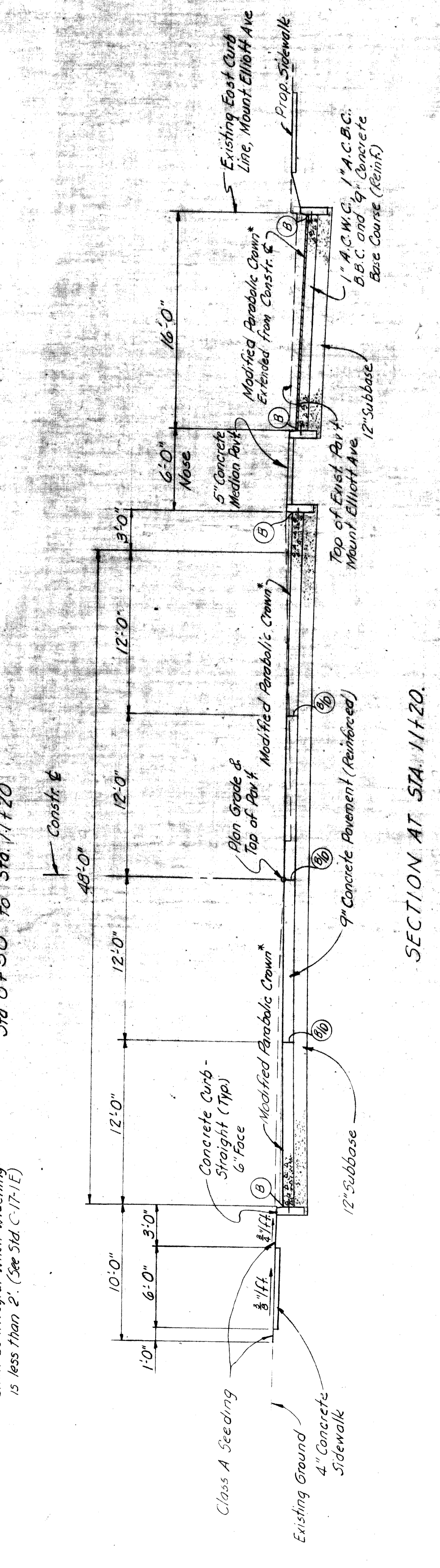


TYPICAL SECTION SHOWING WIDENING Sta 8+50 to Sta. 11+20

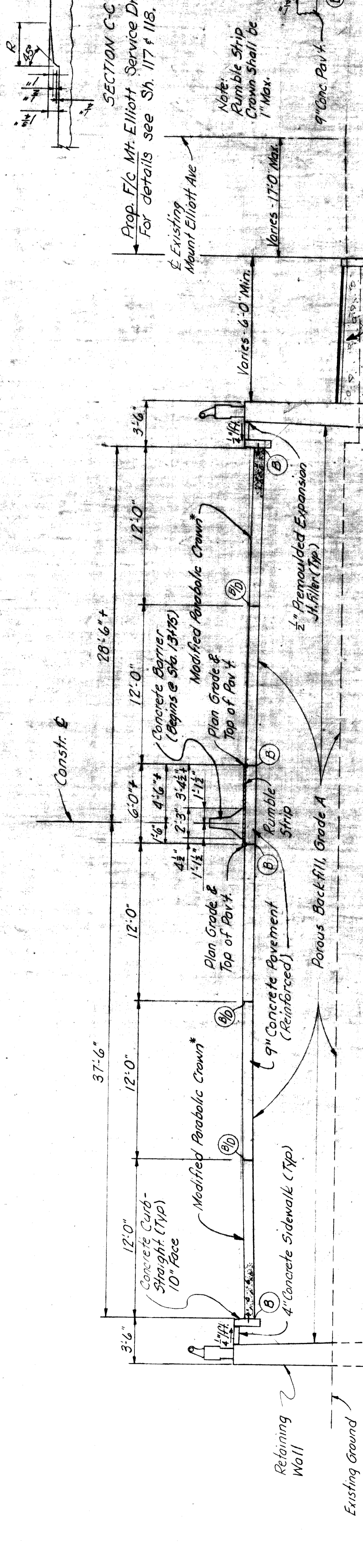
Concrete Base Course and Curb shall be integral when widening is less than 2'. (See Sid. C-17-E)



CONCRETE BARRIER DETAILS Scale: 1"=1'



SECTION AT STA. 11+20.

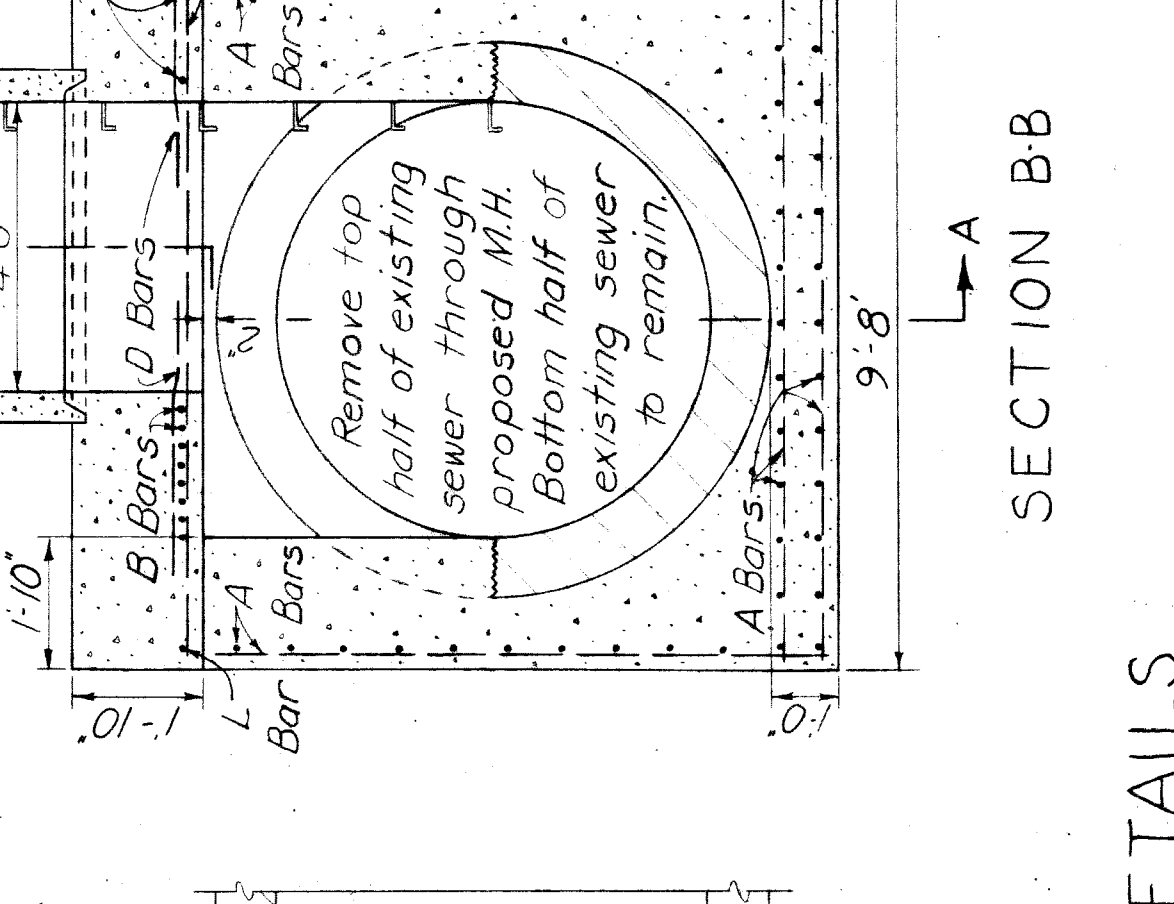
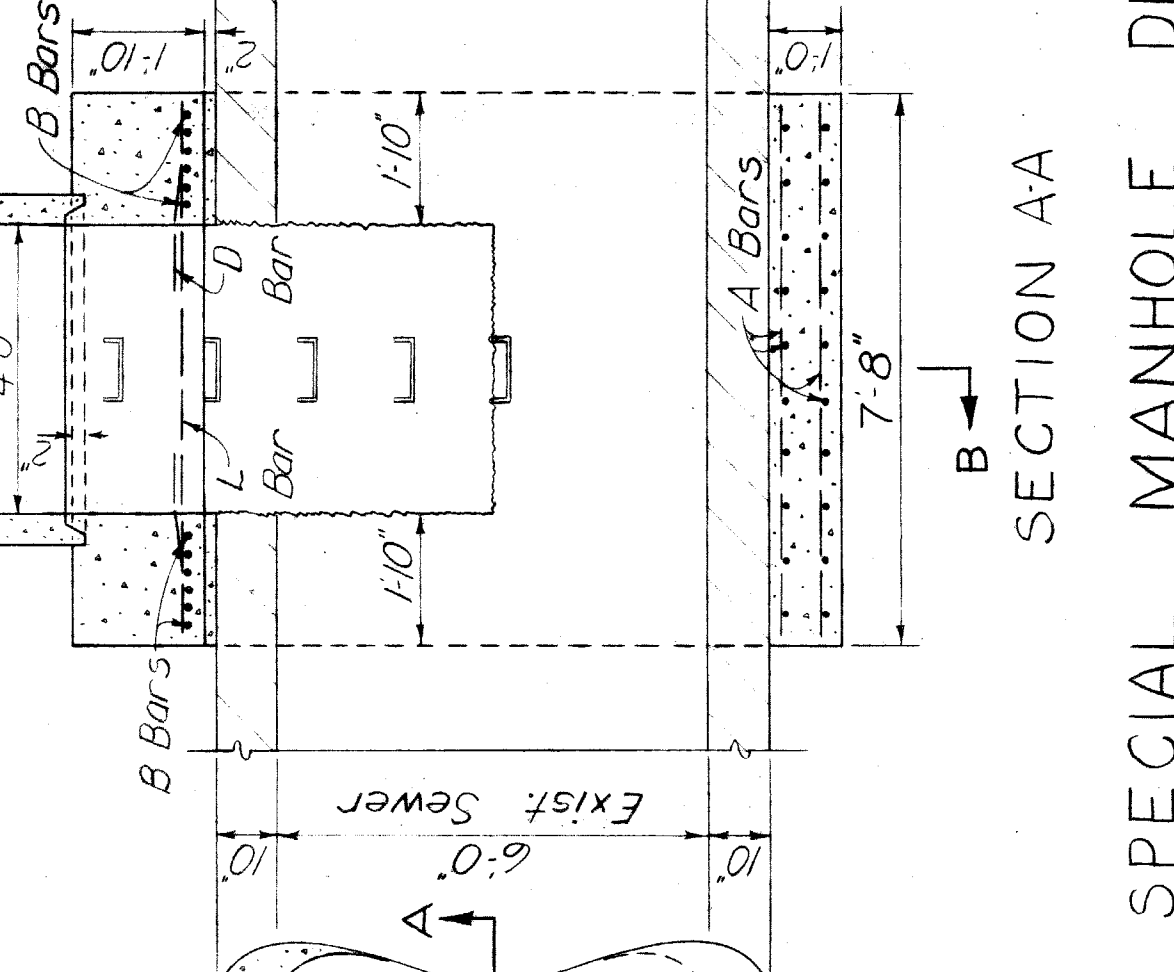
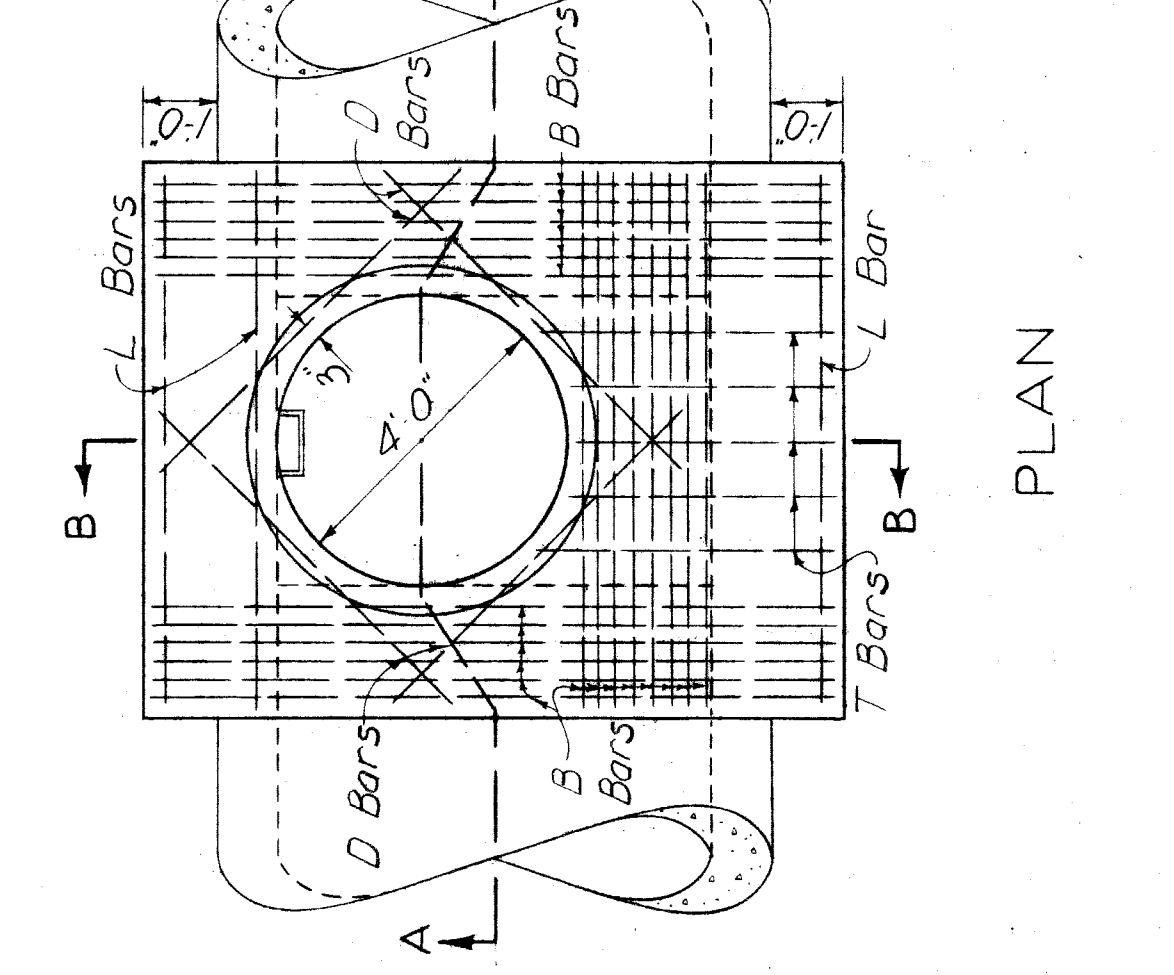
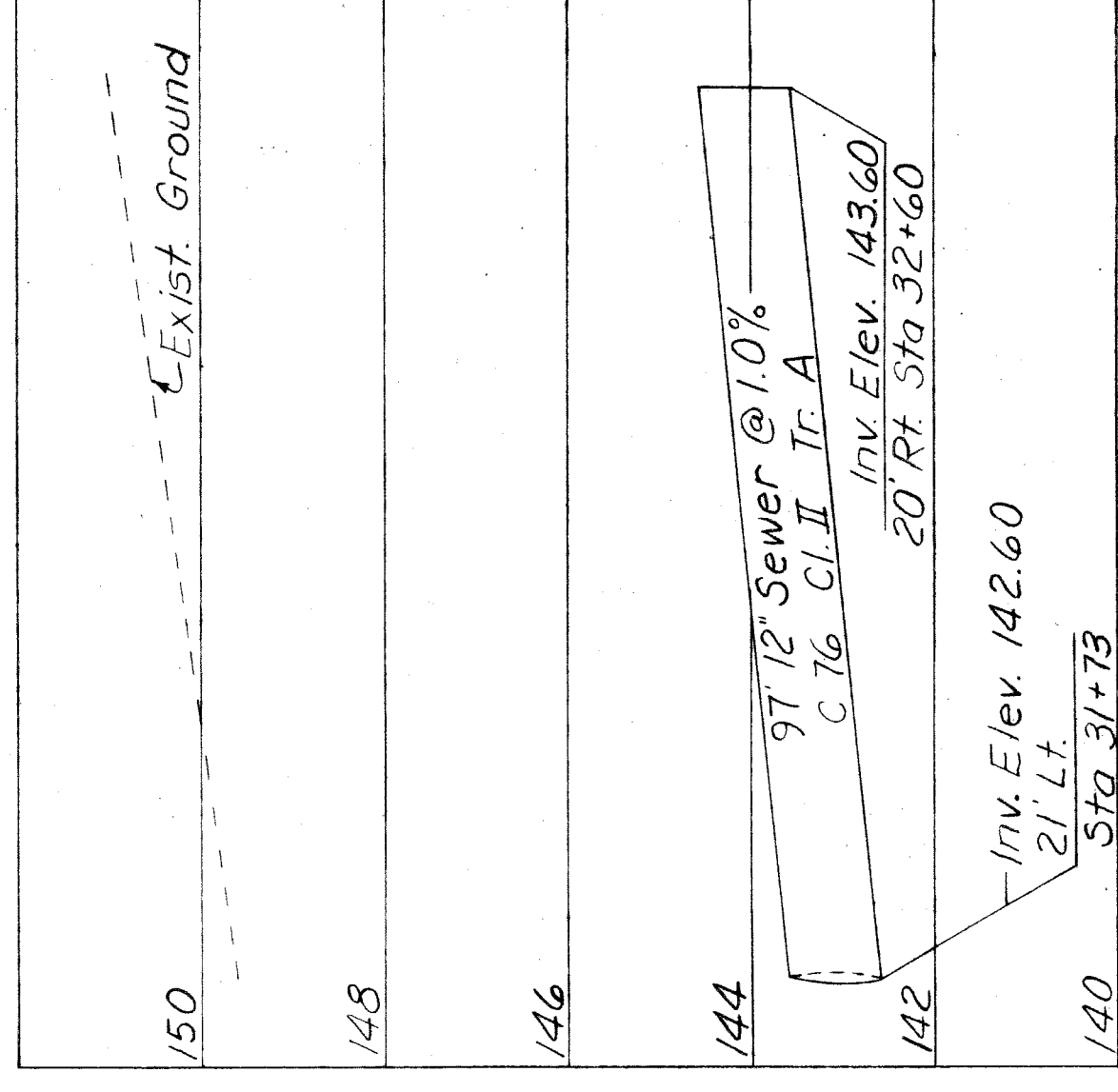
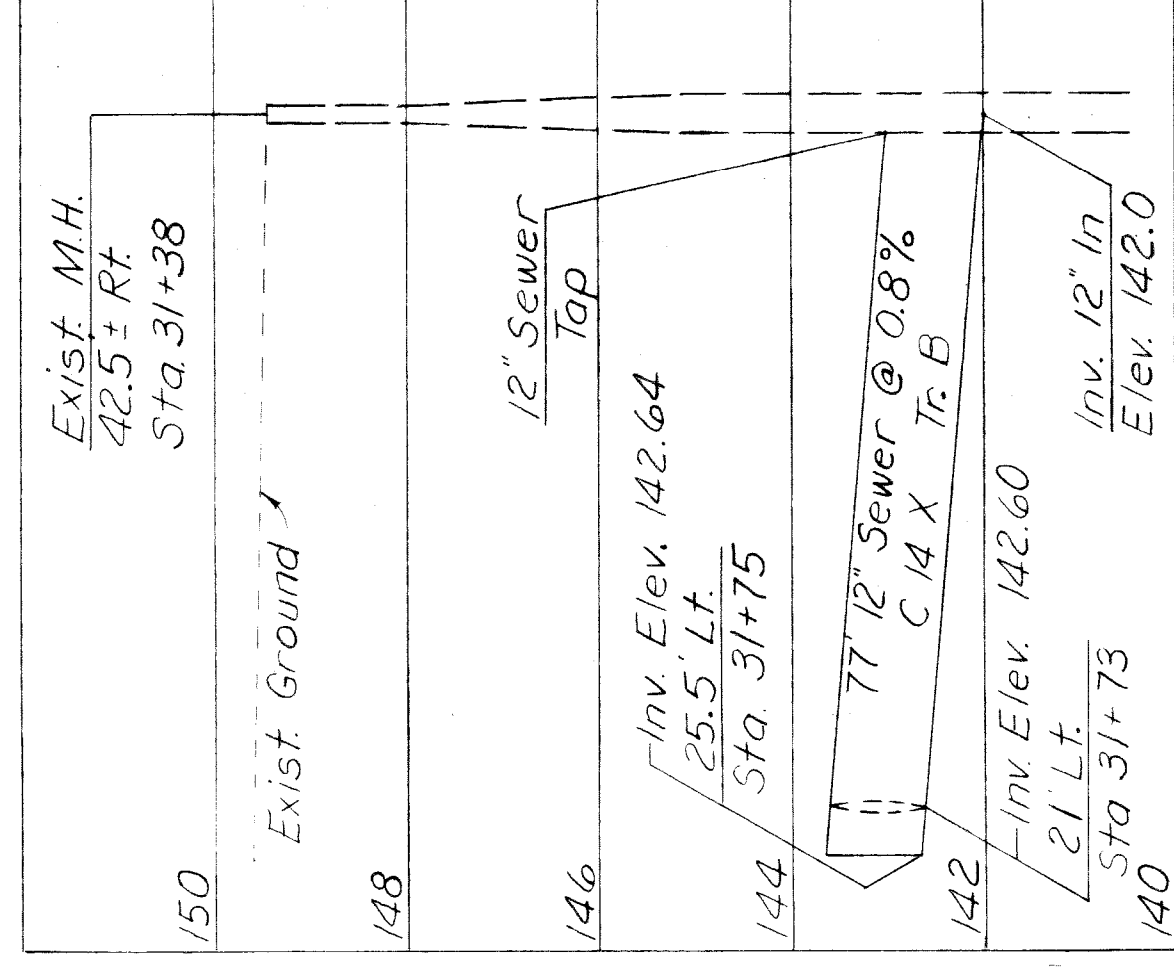
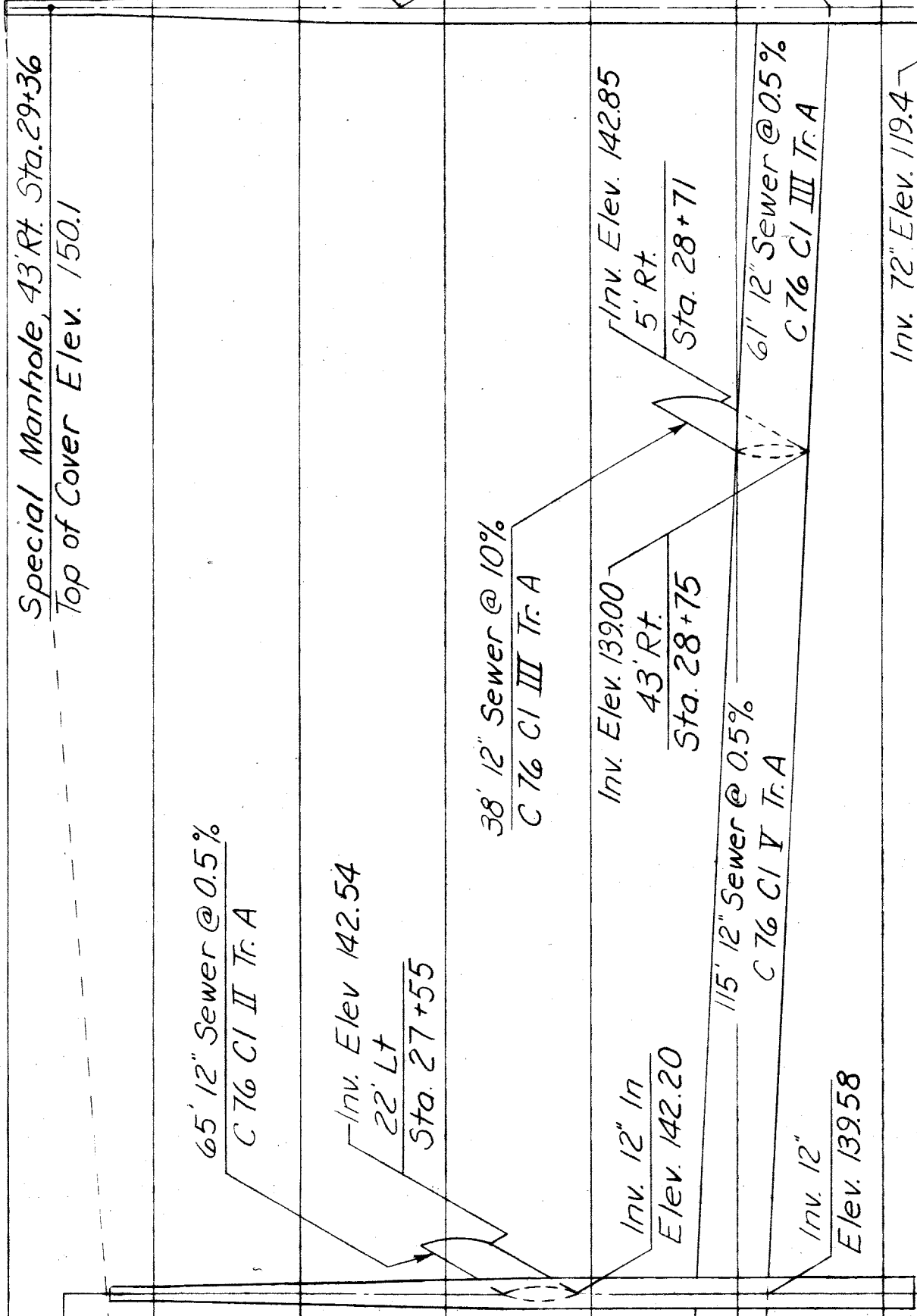
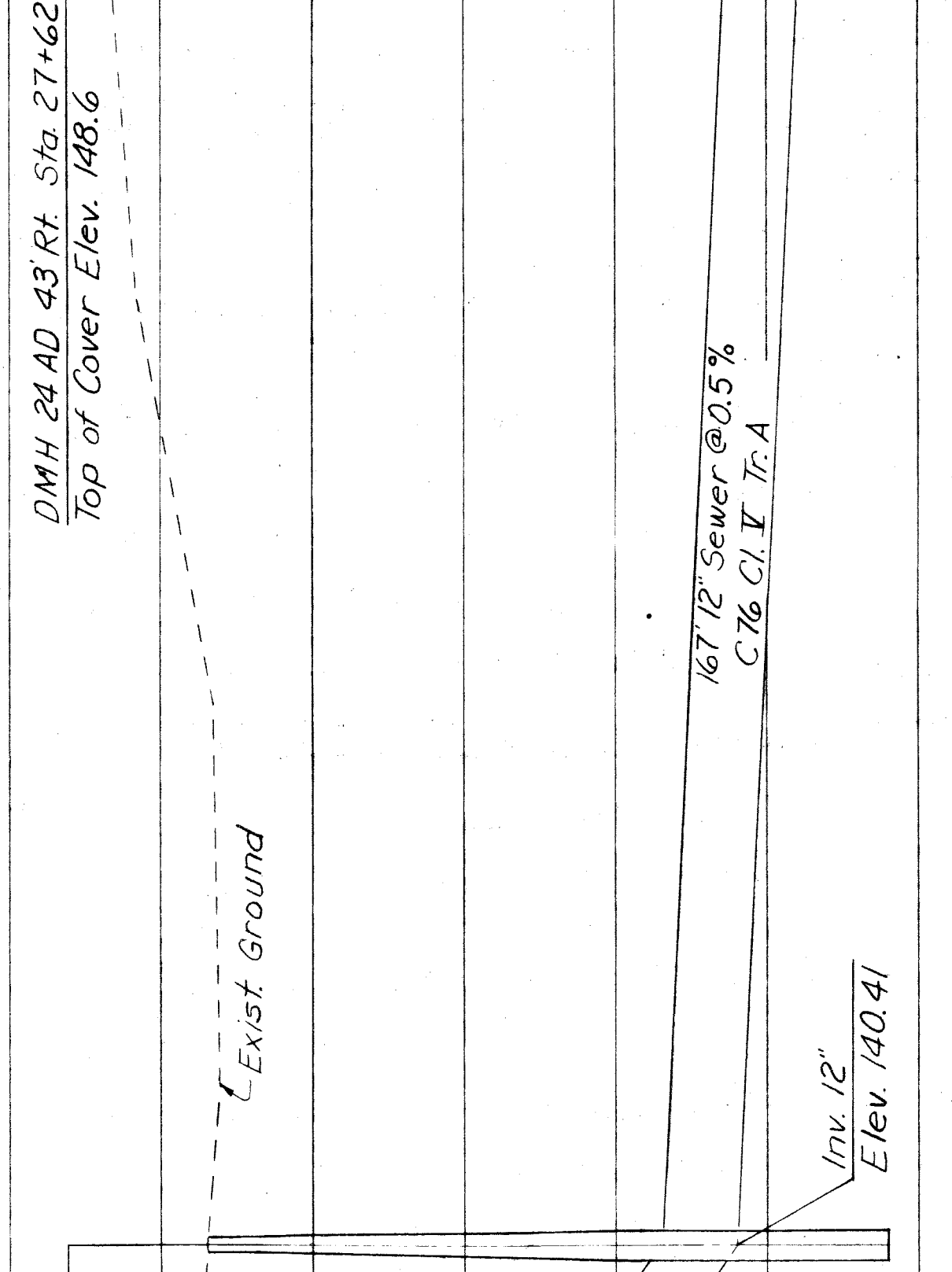
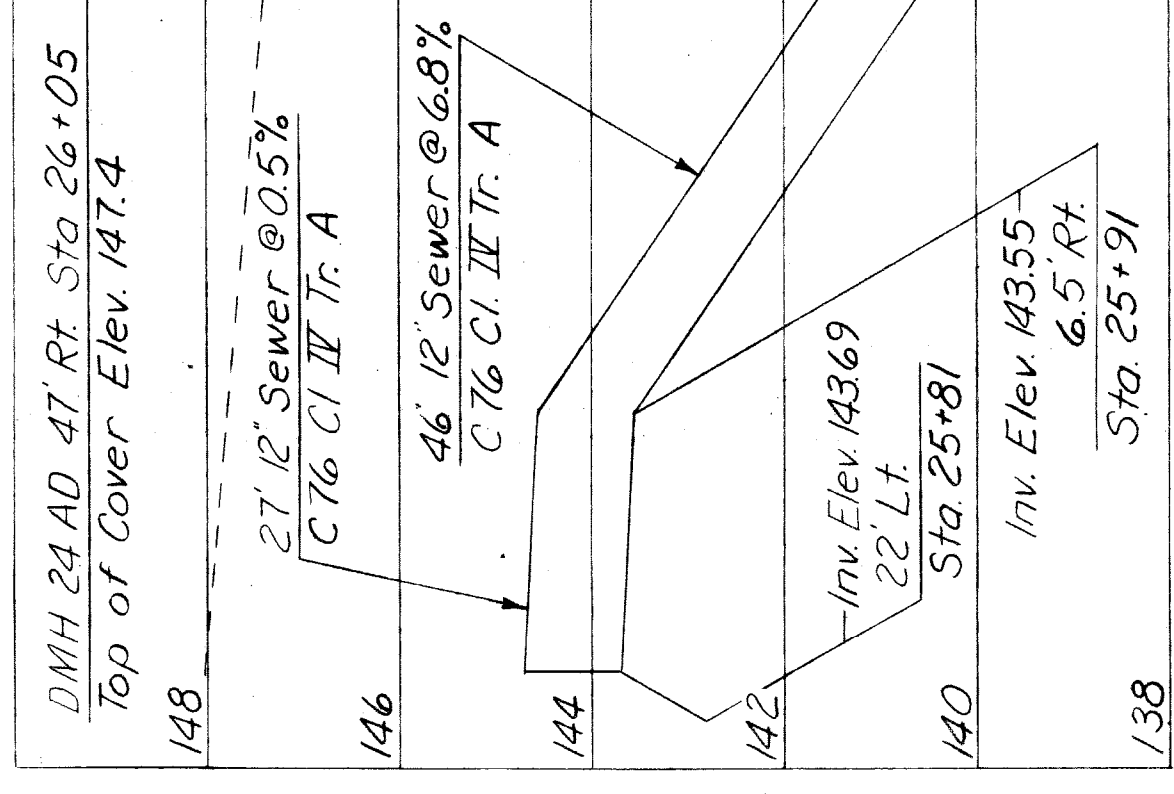
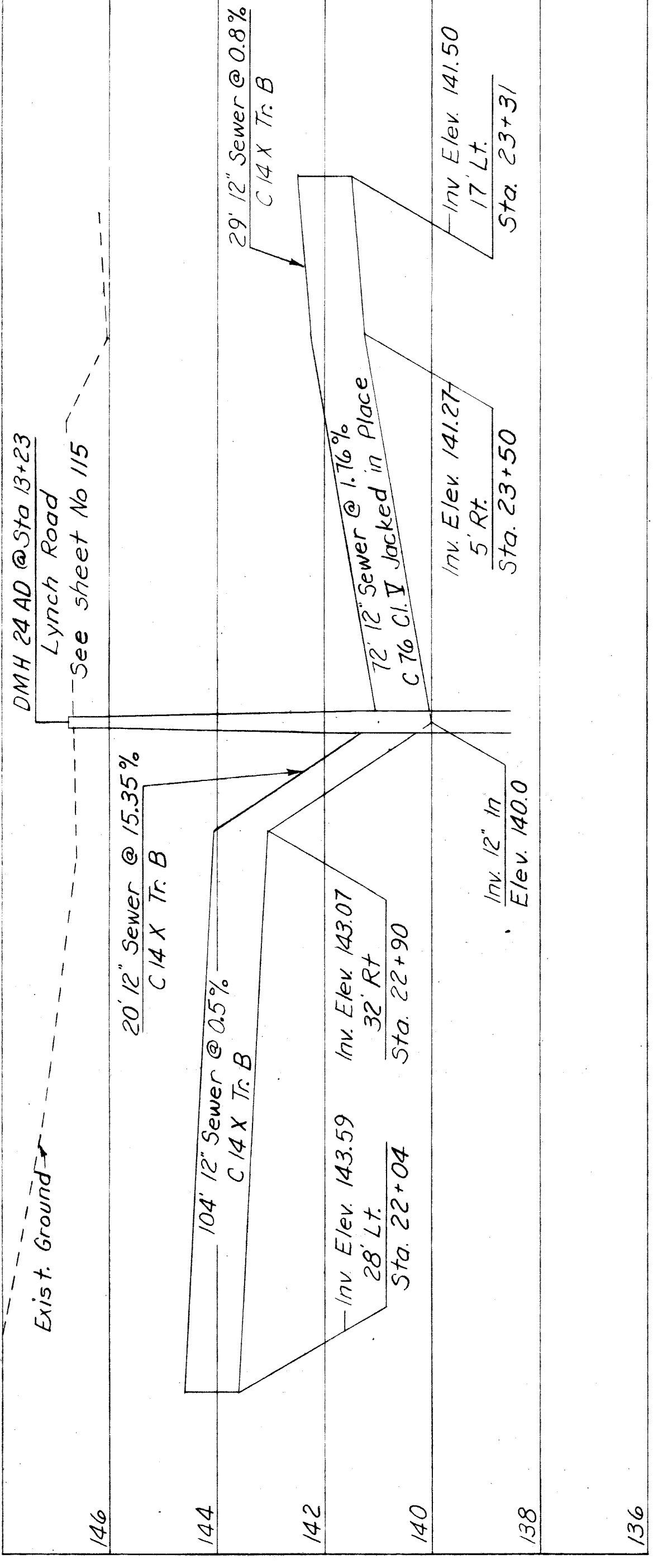
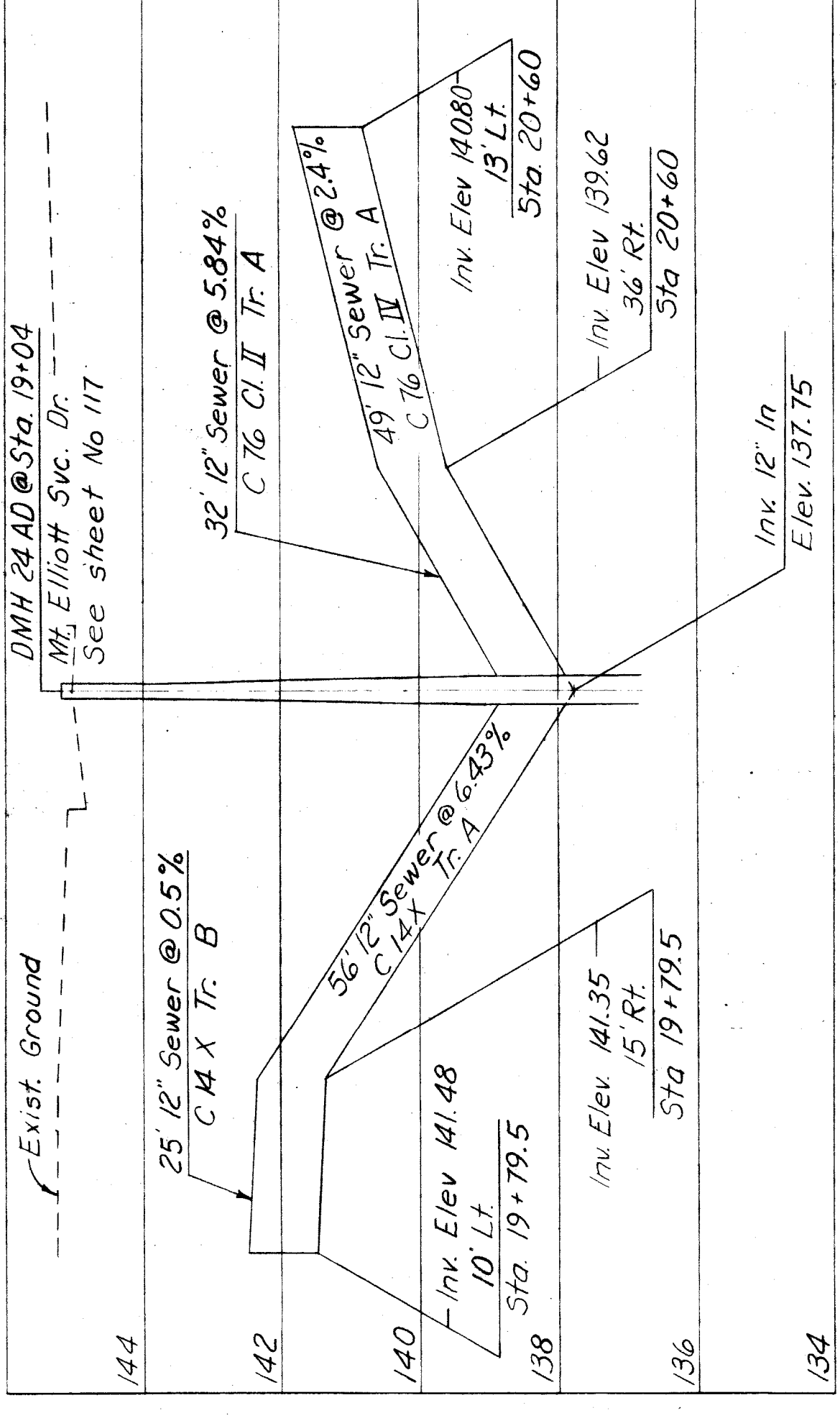
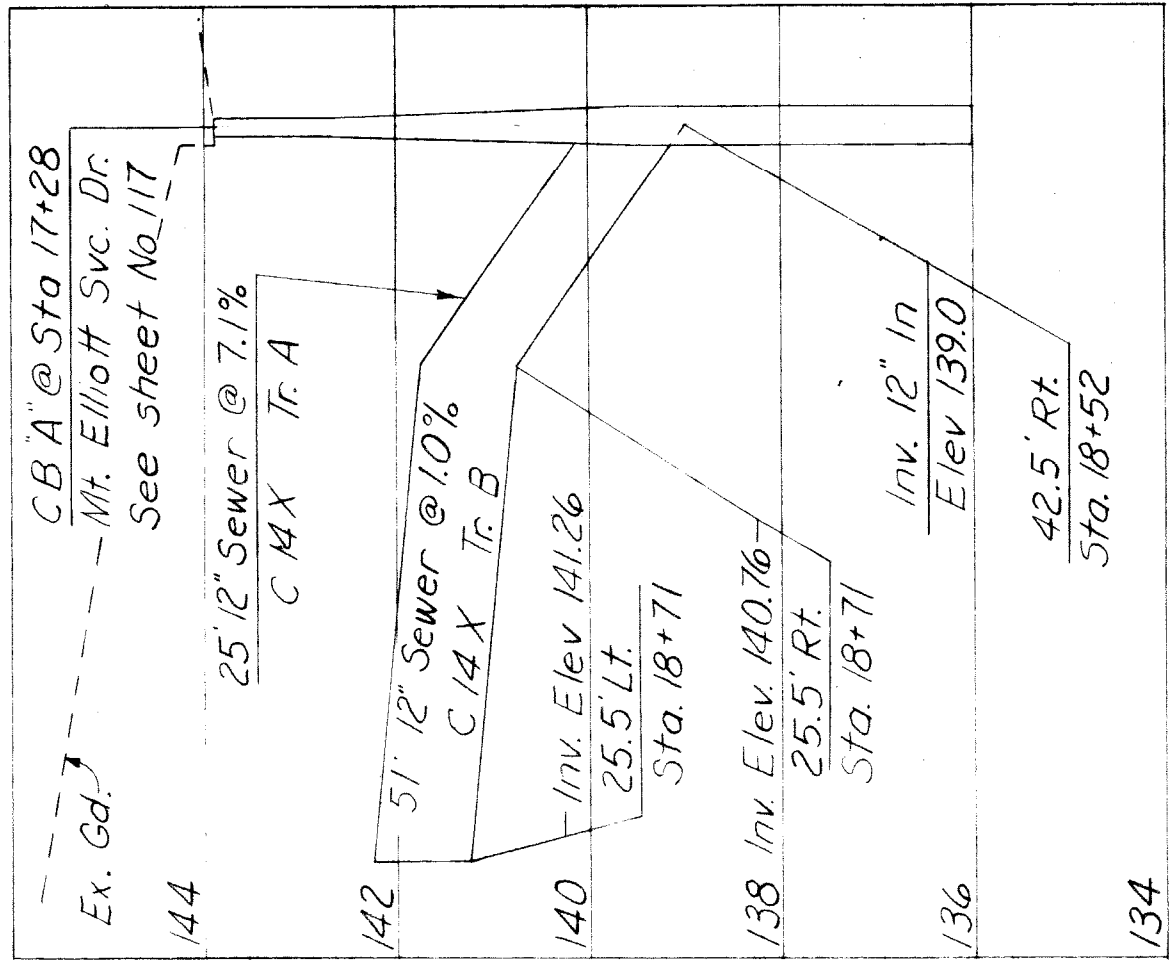


SECTION AT STA. 13+15

RUMBLE STRIP DETAILS Note: Payment for rumble strip shall be included in unit price paid for concrete pavement. 9' Uniform.

\* MDSH Modified Parabolic Crown

REVISIONS	APPROVED	BOARD OF WAYNE COUNTY ROAD COMMISSIONERS	HAZELET & ERDAL CONSULTING ENGINEERS	STATE PROJECT	COUNTY JOB
	DATE	DETROIT, MICHIGAN	PHILIP J. HEIDECCK, ENGINEERING CONSULTANT	MOUNT ELLIOTT-MOUND RD. GRADE SEPARATION SOUTH APPROACH SECTIONS	246
DRAWN BY	CHECKED BY	DATE	BRIDGE	ISSUE NO.	SHEET NO.
CONTR.	APPROVED	DATE	ROAD	106	106
BOARD OF WAYNE COUNTY ROAD COMMISSIONERS PHILIP J. HEIDECCK, ENGINEERING CONSULTANT			HAZELET & ERDAL CONSULTING ENGINEERS MOUNT ELLIOTT-MOUND RD. GRADE SEPARATION SOUTH APPROACH SECTIONS		
HAZELET & ERDAL CONSULTING ENGINEERS MOUNT ELLIOTT-MOUND RD. GRADE SEPARATION SOUTH APPROACH SECTIONS			H.B.E. FILE No. 603 X0107		



SEWER PROFILES  
Scale 1" = 20' H, 1" = 2' V

SPECIAL MANHOLE DETAILS

Note  
Sewers are shown  
in plan on sheet 15

Special Manhole Notes  
Cover shall be Detroit Std. Cover  
Riser Details shall be the same  
as those shown on sheet 121

Concrete for Manhole base and  
connections shall be Grade A.  
Reinforcing steel shall be placed  
as shown and as specified  
below:  
A bars shall be spaced at 9"  
centers in both directions.  
B bars shall be spaced at 3"  
centers in both directions.  
T bars shall be spaced at 9"  
centers.  
All bars shall be 3/4" φ  
Reinforcing steel shall have  
2" minimum clearance.  
Special Manhole will be paid for at  
the contract unit price each,  
which price shall be payment in  
full for furnishing the materials,  
for all necessary excavation, back-  
filling, disposal of surplus material,  
and constructing the structure complete

REVISIONS

APPROVED  
ENGINEER OF STRUCTURES AND EXPRESSWAYS  
CORNER M. Fogasda  
DATE 5-13-68

BOARD OF  
WAYNE COUNTY ROAD COMMISSIONERS  
DETROIT, MICHIGAN  
PHILIP J. NEUDECK  
COUNTY HIGHWAY ENGINEER

HAZELET & ERDAL CONSULTING ENGINEERS

MOUNT ELLIOTT-MOUND RD.  
GRADE SEPARATION  
SEWER PROFILES-SPECIAL MANHOLE

STATE PROJECT	STATE FILE	BRIDGE	ROAD
246			
ISSUE NO. 107	DATE 5-13-68	COUNTY JOB SHEET NO. 107	

X0107

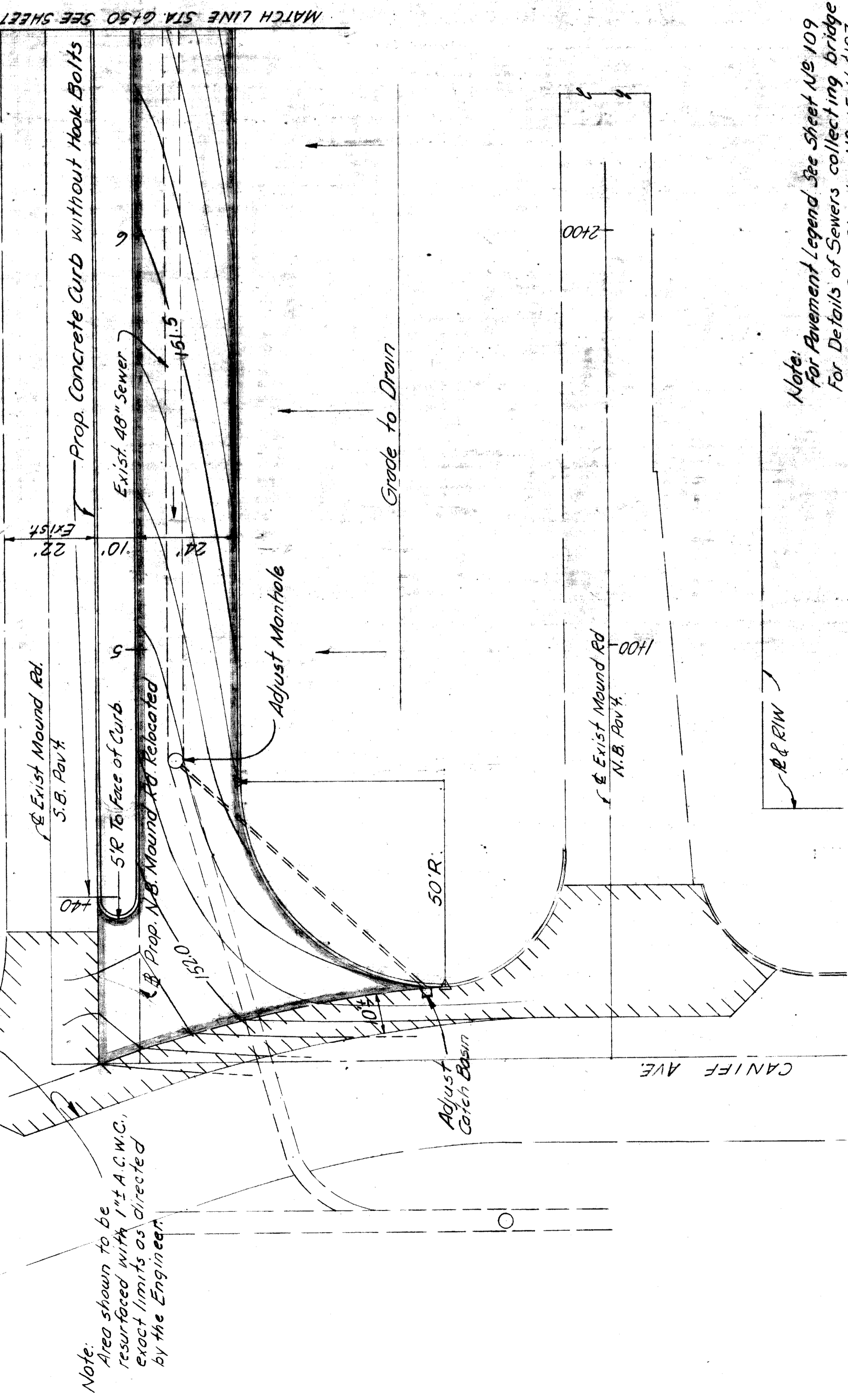
H & E FILE No 603



**BENCH MARKS**

EI 152.13	PBM 51-253 & Mound
Precise Datum	and N. E. Coniff
EI 149.20	CBM # Hyd. & Mound
Precise Datum	of N. E. Casmere

*Note:*  
 CBM indicates Construction Bench Mark  
 PBM indicates City of Detroit Monument

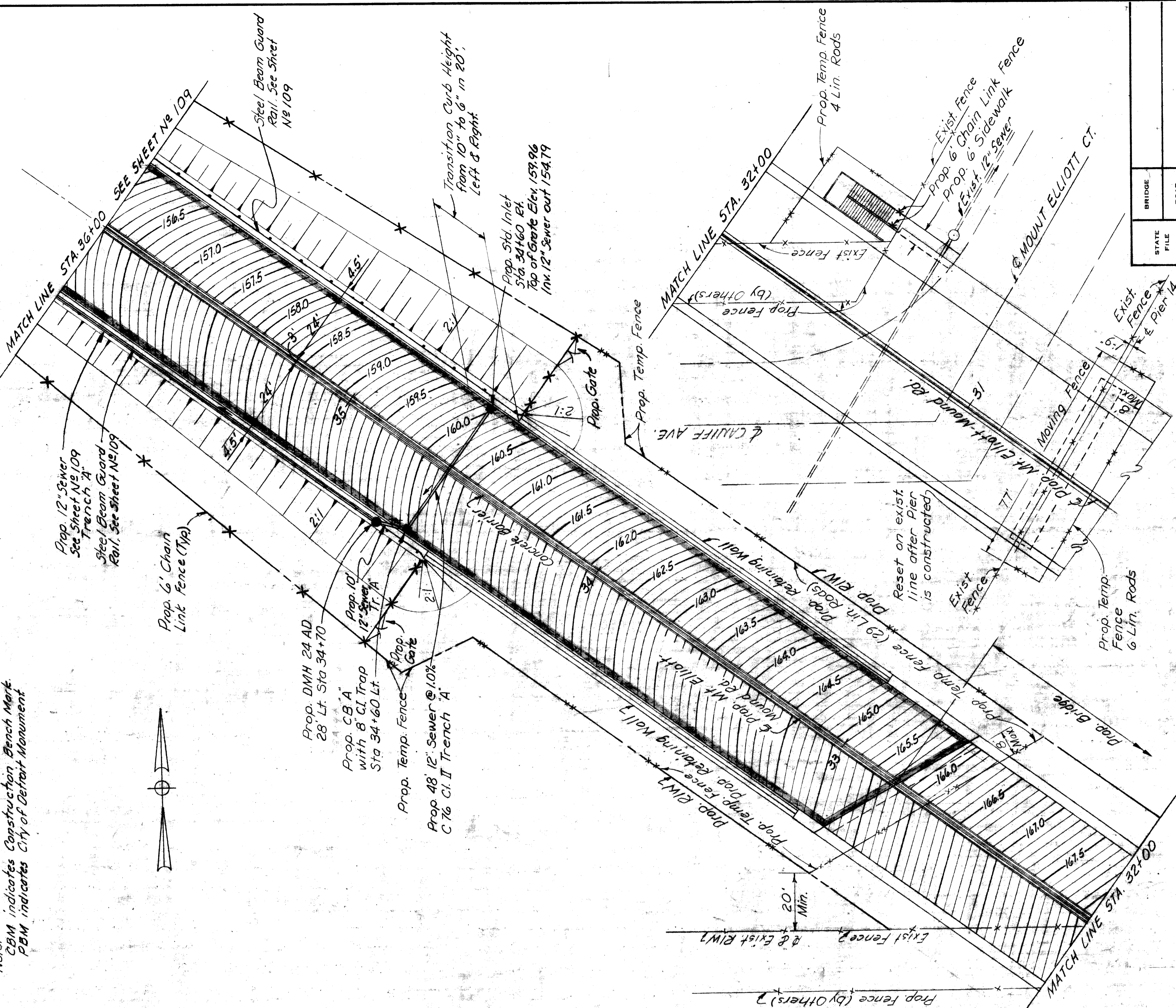


*Note:*  
 Area shown to be resurfaced with 1" A.C.W.C., exact limits as directed by the Engineer.

**QUANTITIES - NORTH APPROACH**

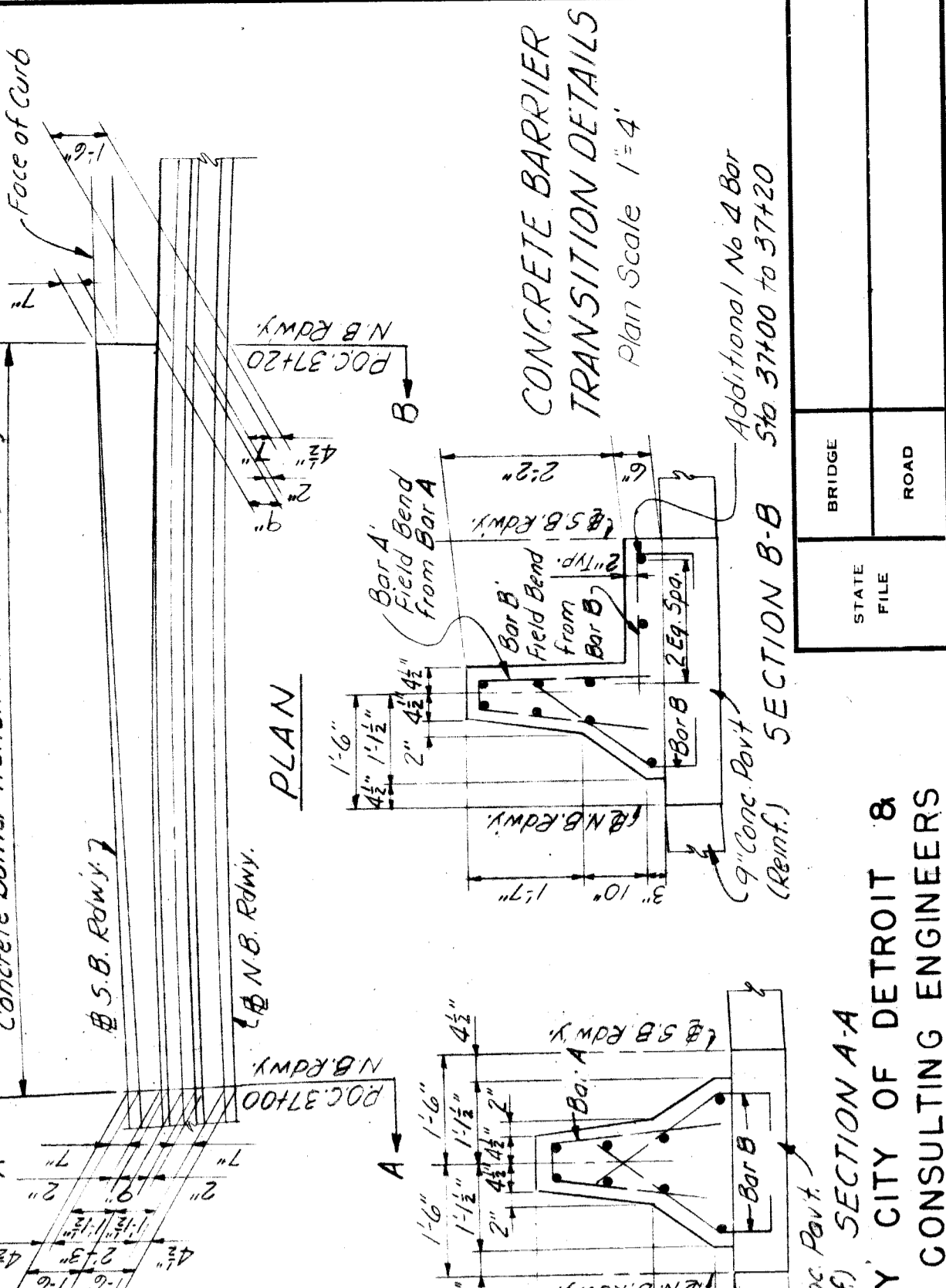
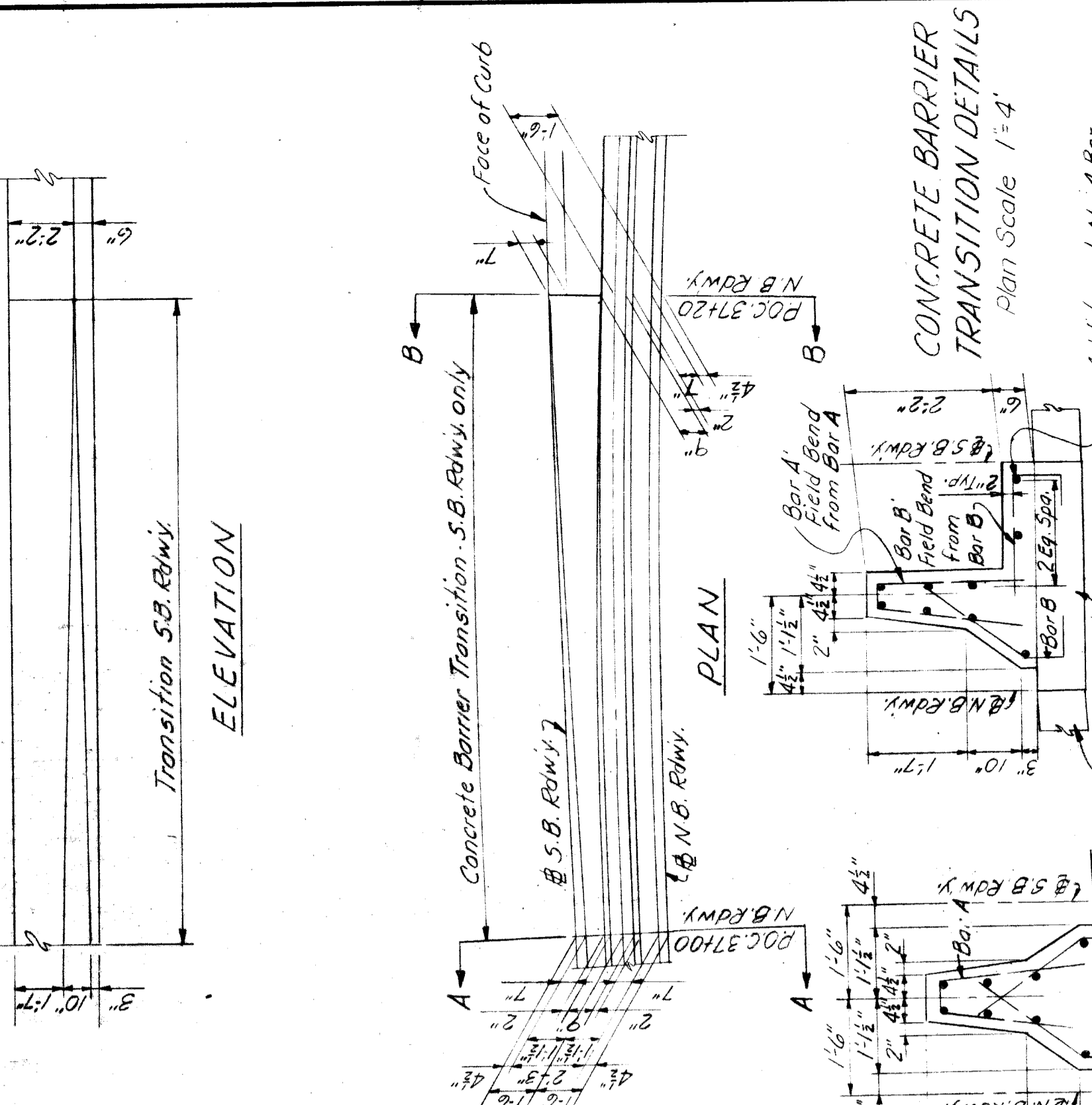
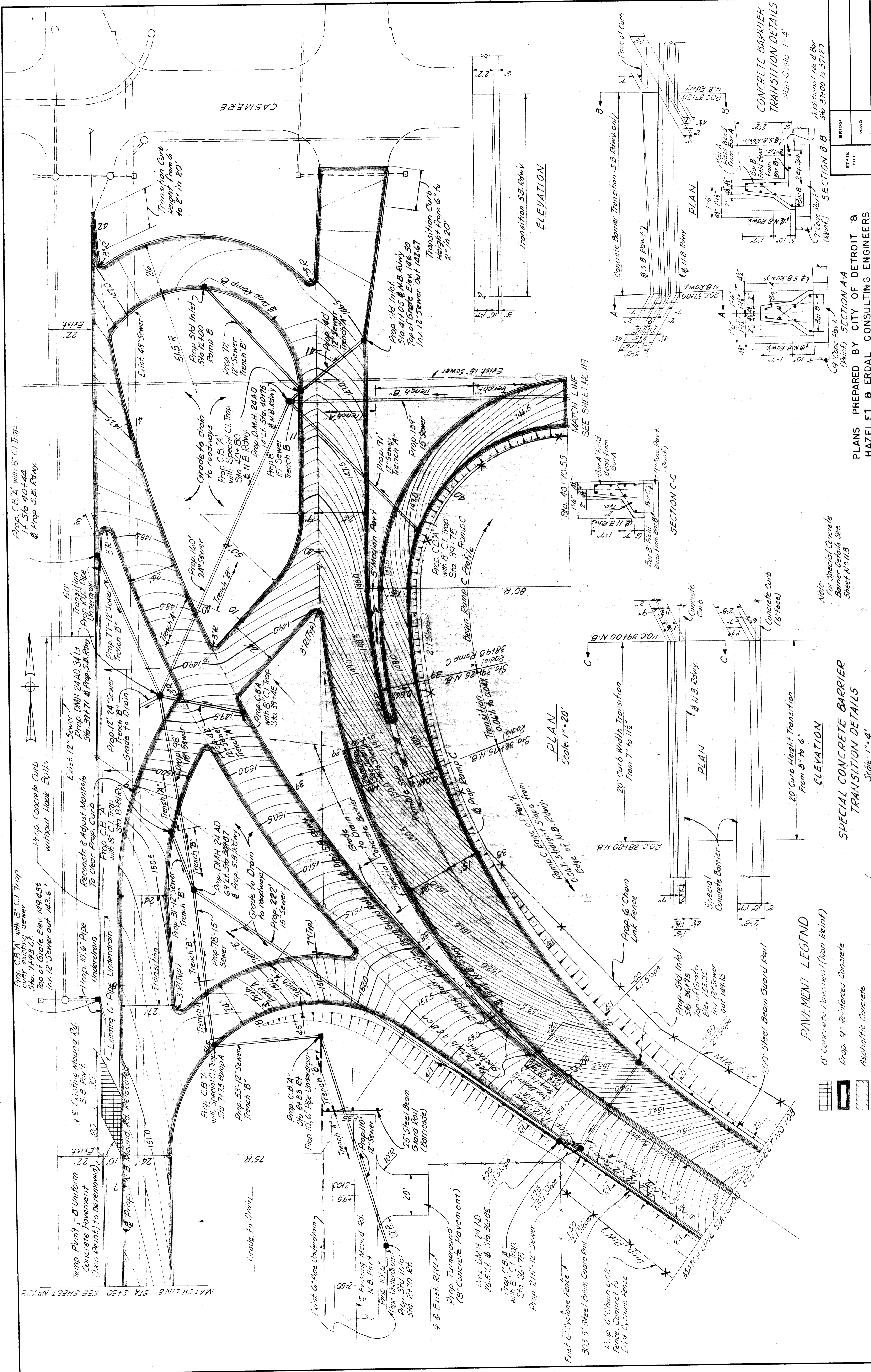
ITEM	TOTALS	ITEM	TOTALS
Earth Excavation	2670 Cu. Yds.	12" dia Sewer (C14) Tr. B, 7' deep or less	233 Lin. Ft.
Removing Old Pavement	33 Sq. Yds.	12" dia Sewer (C14) Tr. A, 7' deep or less	314 Lin. Ft.
Subbase (Compacted in Place)	2487 Cu. Yds.	12" dia Sewer (C16) Tr. B, 7' deep or less	38 Lin. Ft.
Porous Backfill, Grade A (Compacted in Place)	6743 Cu. Yds.	12" dia Sewer (C16) Tr. A, 7' 1" to 10' deep	215 Lin. Ft.
Drop Manhole 24 AD	5 Each	12" dia Sewer (C16) Tr. B, 7' deep or less	32 Lin. Ft.
Catch Basin A with 8" C.I. Trap	7 Each	15" dia Sewer (C16) Tr. A, 7' deep or less	8 Lin. Ft.
Catch Basin A with Special C.I. Trap	2 Each	15" dia Sewer (C16) Tr. B, 7' 1" to 10' deep	200 Lin. Ft.
Concrete Pavement, 9" Uniform	1 Each	15" dia Sewer (C16) Tr. A, 7' 1" to 10' deep	100 Lin. Ft.
Pavement Reinforcement	8310 Sq. Yds.	18" dia Sewer (C16) Tr. A, 7' 1" to 10' deep	68 Lin. Ft.
Concrete Curb, Straight (6" Face)	8310 Sq. Yds.	18" dia Sewer (C16) Tr. B, 7' 1" to 10' deep	50 Lin. Ft.
Concrete Curb, Straight (10" Face)	3938 Lin. Ft.	24" dia Sewer (C16) Tr. A, 10' 1" to 16' deep	50 Lin. Ft.
Concrete Curb, Straight (10" Face)	340 Lin. Ft.	24" dia Sewer (C16) Tr. B, 10' 1" to 16' deep	110 Lin. Ft.
4" Concrete Sidewalk	555 Sq. Ft.	15" dia Sewer Tap	1 Each
Concrete Barrier	442 Lin. Ft.	6" Pipe Under drain	49 Lin. Ft.
5" Median Pavement (Concrete)	351 Sq. Ft.	Asphaltic Conc. Wearing Course, 3/4" Mixture	40 Lin. Ft.
Adjusting Manhole Cover	1 Each	Asphaltic Conc. Wearing Course, 3/4" Mixture	24 Tons
Reconstructing Manhole	5 Lin. Ft.	Asphaltic Conc. Wearing Course, 3/4" Mixture	23 Tons
Steel Beam Guard Rail	5 Each	Slag Aggregate	17 Lin. Ft.
Standard Inlet	90 Sq. Yds.	Moving Fence	39 Lin. Ft.
Concrete Pavement, 8" Uniform	180 Lin. Ft.	Temporary Woven Wire Fence	875 Lin. Ft.
Special Concrete Barrier	780 Sq. Yds.	72" Chain Link Fence with 2 Strands Barbed Wire	2 Each
Sodding	1.4 Acre	12" Double Swing Gate for 72" Chain Link Fence	1.4 Area
Class A Seeding	446 Sq. Yds.	Preparing Existing Pavement	433 Sq. Yds.
Deck Waterproofing		Conc. Curb Straight (6" Face) without Hook Bolts	535 Lin. Ft.

*Note:*  
 For Pavement Legend See Sheet No. 109  
 For Details of Sewers collecting bridge drainage See Sheets No. 15, 16 & 17



PLAN  
 Scale: 1" = 20'

REVISIONS	DRAWN BY C. Brown	CHECKED BY M. J. Neudeck	DATE 8/17/10	APPROVED Philip J. Neudeck ENGINEER OF ROAD, TOWNSHIP AND EXPRESSWAYS	BOARD LEADER M. J. Neudeck	CORRECT M. J. Neudeck	DATE 8/17/10	APPROVED Michael Berry ENGINEER OF ROAD, TOWNSHIP AND EXPRESSWAYS	STATE PROJECT	COUNTY JOB
									246	108
<b>HAZELET &amp; BERDAL CONSULTING ENGINEERS</b> <b>WAYNE COUNTY ROAD COMMISSIONERS</b> <b>MOUNT ELLIOTT-MOUND RD.</b> <b>GRADE SEPARATION</b> <b>NORTH APPROACH PAVING PLANS</b>									STATE FILE	ROAD
									ISSUE NO. 1	SHEET NO. 108
									DATE: 5-13-12	H & E FILE NO. 603



**PAVEMENT LEGEND**

- 8" Concrete Pavement (Non Reinf.)
- Prop. 9" Reinforced Concrete
- Asphaltic Concrete

**SPECIAL CONCRETE BARRIER TRANSITION DETAILS**  
Scale: 1"=4'

**CONCRETE BARRIER TRANSITION DETAILS**  
Plan Scale: 1"=4'

**REVISIONS**

NO.	DATE	BY	DESCRIPTION
1			

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

**WAYNE COUNTY ROAD COMMISSIONERS**

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

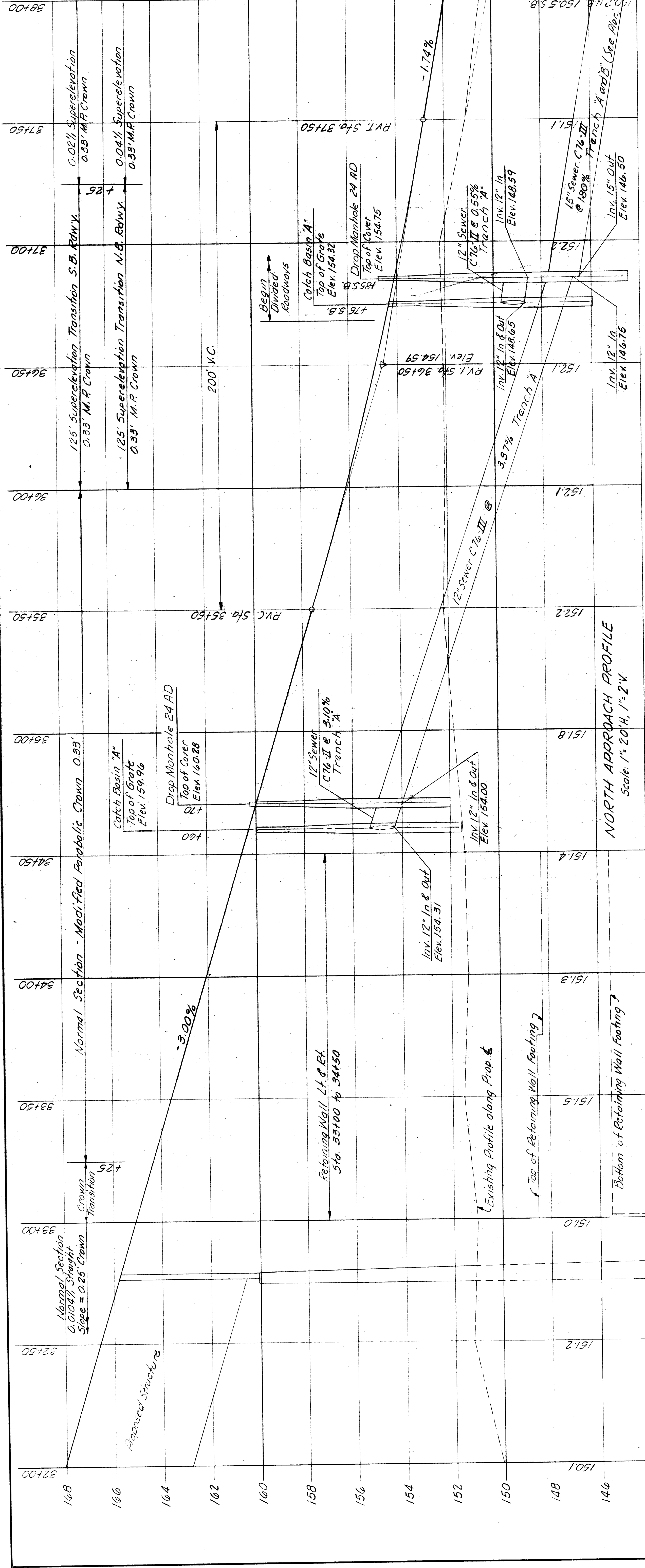
WILLIAM E. KREGER  
 PHILIP J. NEUBECK

**MOUNT ELLIOTT-MOUND RD. GRADE SEPARATION NORTH APPROACH PAVING PLANS**

STATE PROJECT  
 COUNTY JOB  
 SHEET NO.  
 ISSUE NO.  
 DATE

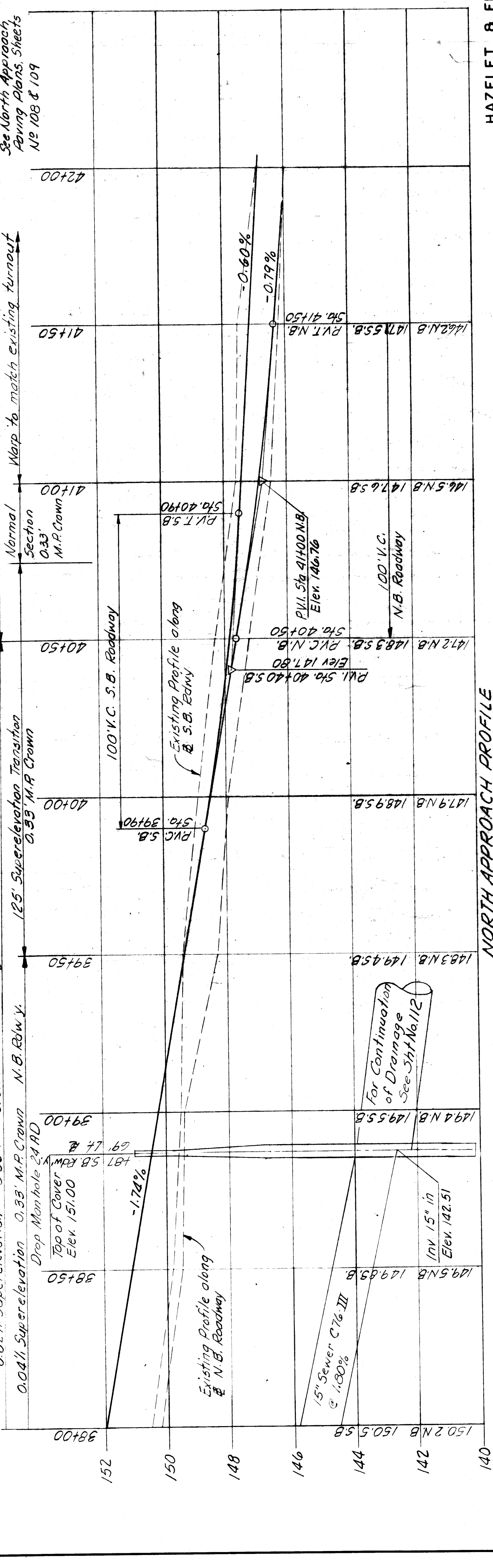
246  
 109  
 5-13-45

H B E FILE NO. 603  
 X0107



Note:  
For Pavement Contours  
See North Approach  
Paving Plans Sheets  
No. 108 & 109

Note:  
Warp to match east edge of existing S.B. Mound Rd. Pavt  
Section  
0.33' M.P. Crown  
Warp to match existing turnout



STATE PROJECT	COUNTY JOB
BRIDGE	ROAD
STATE FILE	ROAD
ISSUE NO. 1	SHEET NO. 110
DATE 5-2-68	

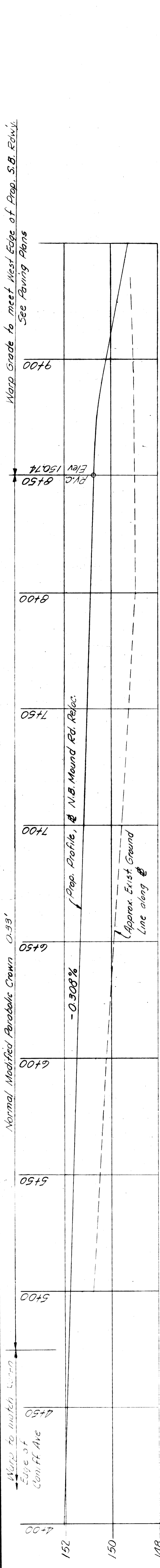
HAZELET & ERDAL CONSULTING ENGINEERS  
**MOUNT ELLIOTT-MOUND RD.  
 GRADE SEPARATION  
 NORTH APPROACH PROFILES**

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

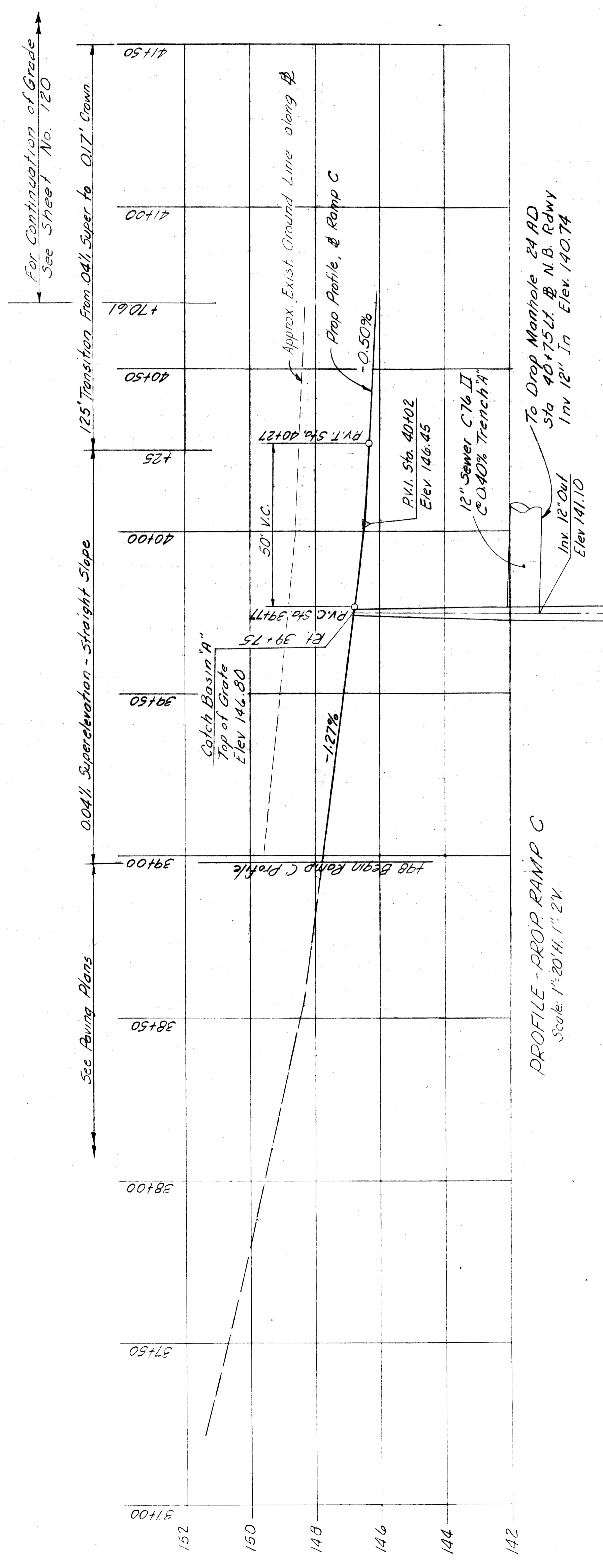
APPROVED  
 [Signature]  
 COUNTY HIGHWAY ENGINEER

APPROVED  
 [Signature]  
 COUNTY HIGHWAY ENGINEER

REVISIONS  
 BOARD LIAISON  
 DRAWN BY  
 CHECKED BY  
 DATE  
 COUNTY ENGINEER OF DESIGN, SURVEYING AND HIGHWAYS



PROFILE - PROP. N.B. MOUND RD. RELOCATED  
Scale: 1"=20'H, 1"=2'V



PROFILE - PROP. RAMP C  
Scale: 1"=20'H, 1"=2'V

Note:  
For Pavement Contours see  
North Approach Paving Plans.  
Sheets No. 108 & 109

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

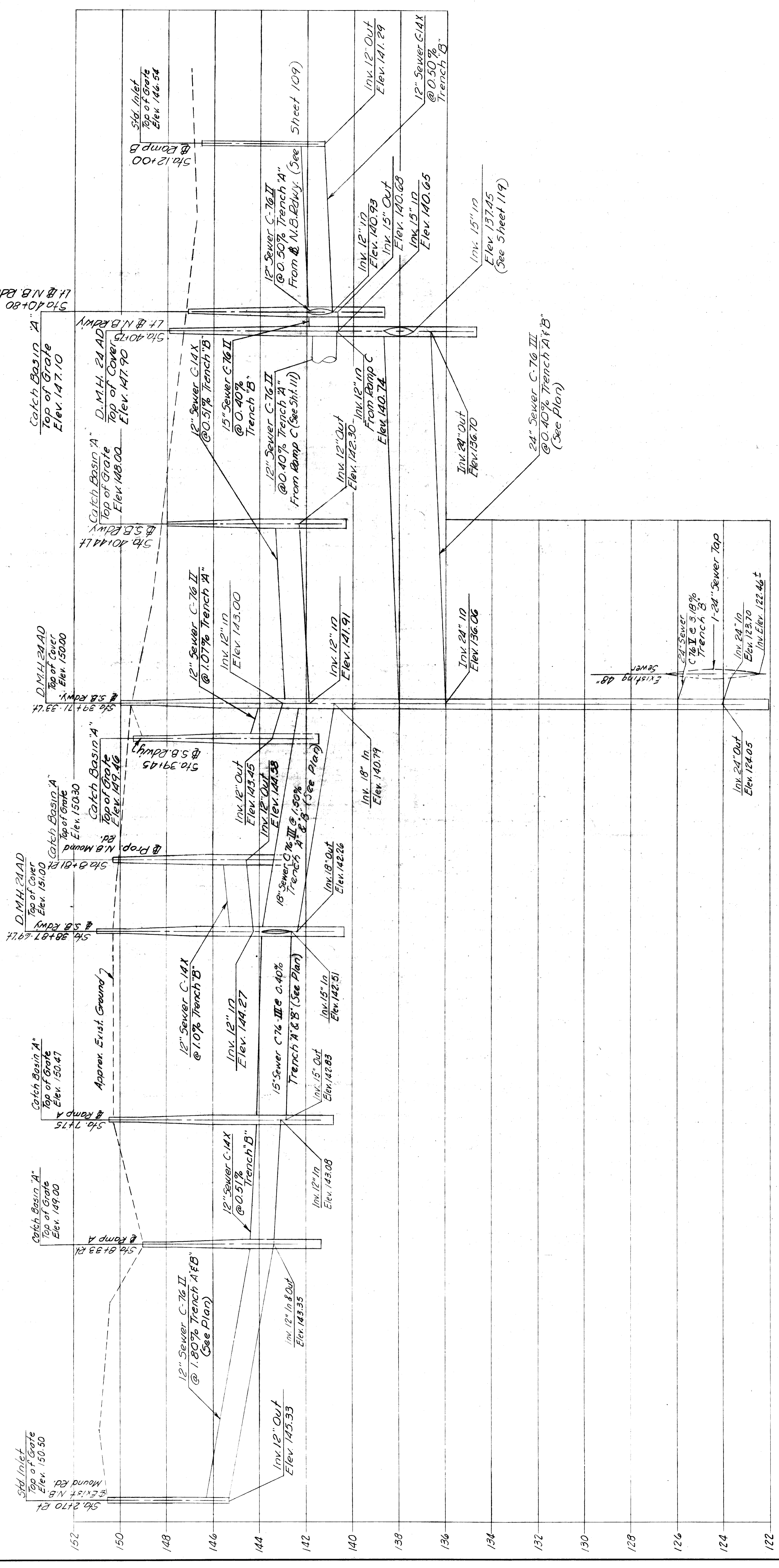
STATE PROJECT	COUNTY JOB
	246
ISSUE NO. /	SHEET NO.
DATE 5/13/68	111

MOUNT ELLIOTT-MOUND RD.  
GRADE SEPARATION  
NORTH APPROACH PROFILES

BOARD OF  
WAYNE COUNTY ROAD COMMISSIONERS  
DETROIT, MICHIGAN

APPROVED  
C. Brown  
ENGINEER OF STRUCTURES AND EXPRESSWAYS

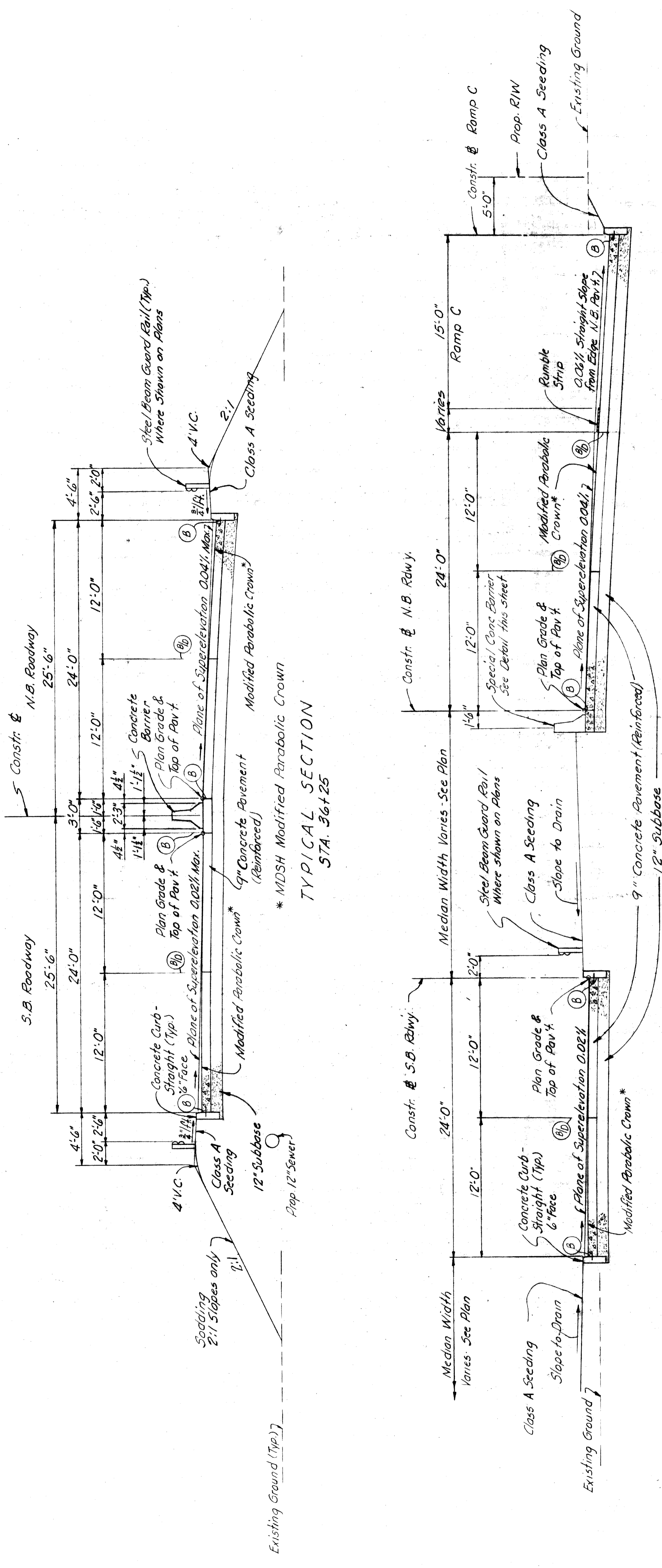
REVISIONS



NORTH APPROACH - SEWER PROFILES  
Scale: 1" = 20' H, 1" = 2' V

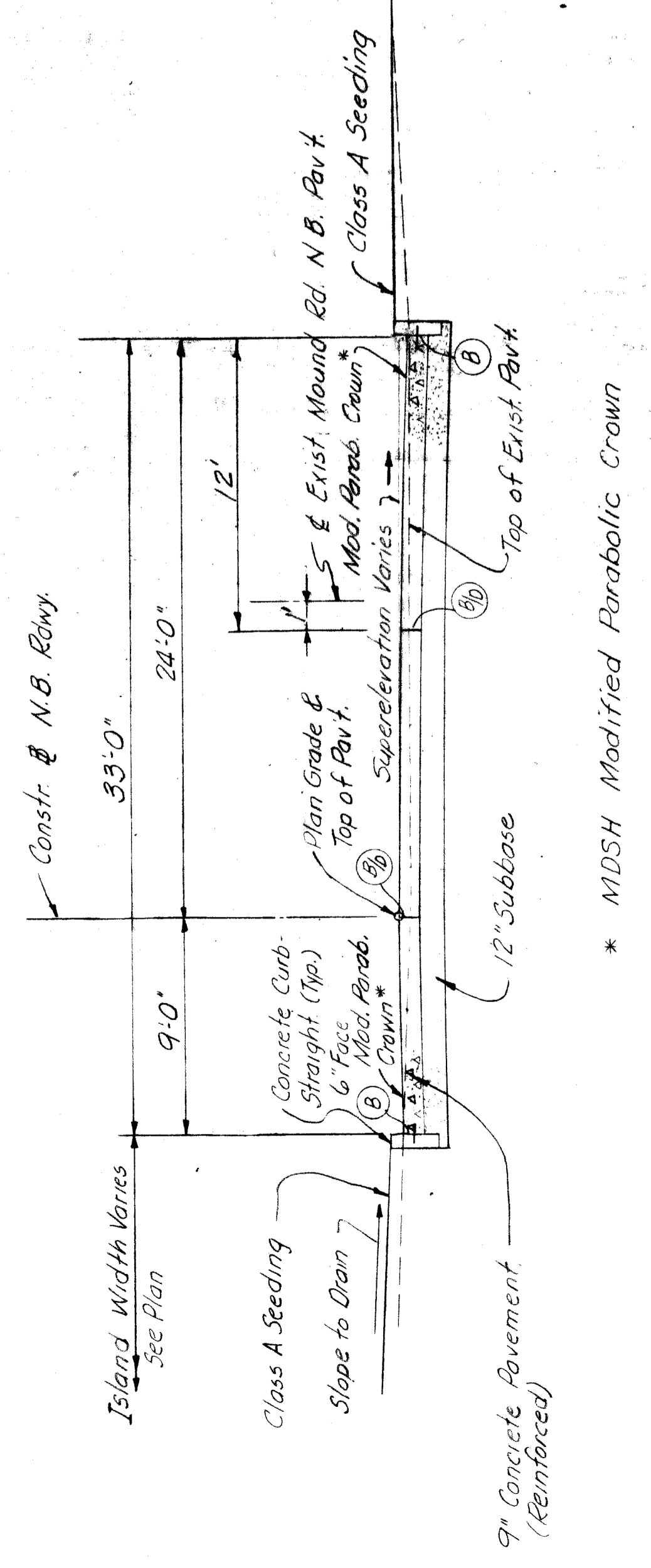
Note:  
For Pavement Contours see  
North Approach Raving Plans,  
Sheets N's 108 & 109

REVISIONS		APPROVED		BOARD OF		PLANS PREPARED BY CITY OF DETROIT &		STATE PROJECT		COUNTY JOB	
DRAWN BY C. Brown		CHECKED BY M. J. Neudeck		ENGINEER OF STRUCTURES AND EXPRESSWAYS		HAZELET & ERDAL CONSULTING ENGINEERS		MOUNT ELLIOTT-MOUND RD.		246	
DATE 6/27/68		DATE 6/27/68		APPROVER M. J. Neudeck		DETROIT, MICHIGAN		GRADE SEPARATION		ISSUE NO. 1	
DRAWN BY M. J. Neudeck		CHECKED BY M. J. Neudeck		APPROVER M. J. Neudeck		WILLIAM E. KREGER		NORTH APPROACH - SEWER PROFILES		DATE 5-13-68	
DRAWN BY M. J. Neudeck		CHECKED BY M. J. Neudeck		APPROVER M. J. Neudeck		MICHAEL BERRY				SHEET NO. 112	
DRAWN BY M. J. Neudeck		CHECKED BY M. J. Neudeck		APPROVER M. J. Neudeck		PHILIP J. NEUDECK				H 8 E FILE No. 603	

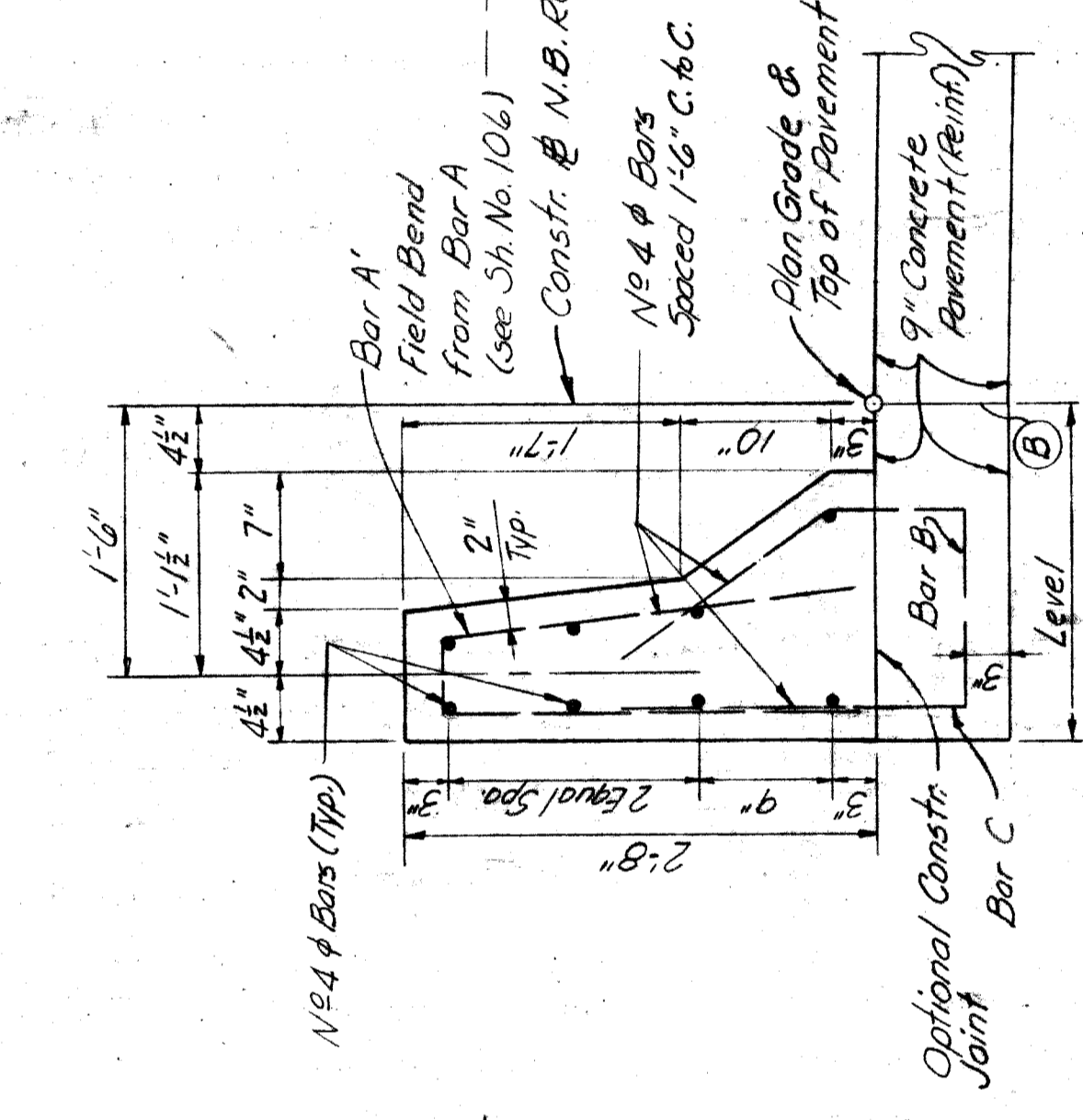


TYPICAL SECTION  
STA. 36+25

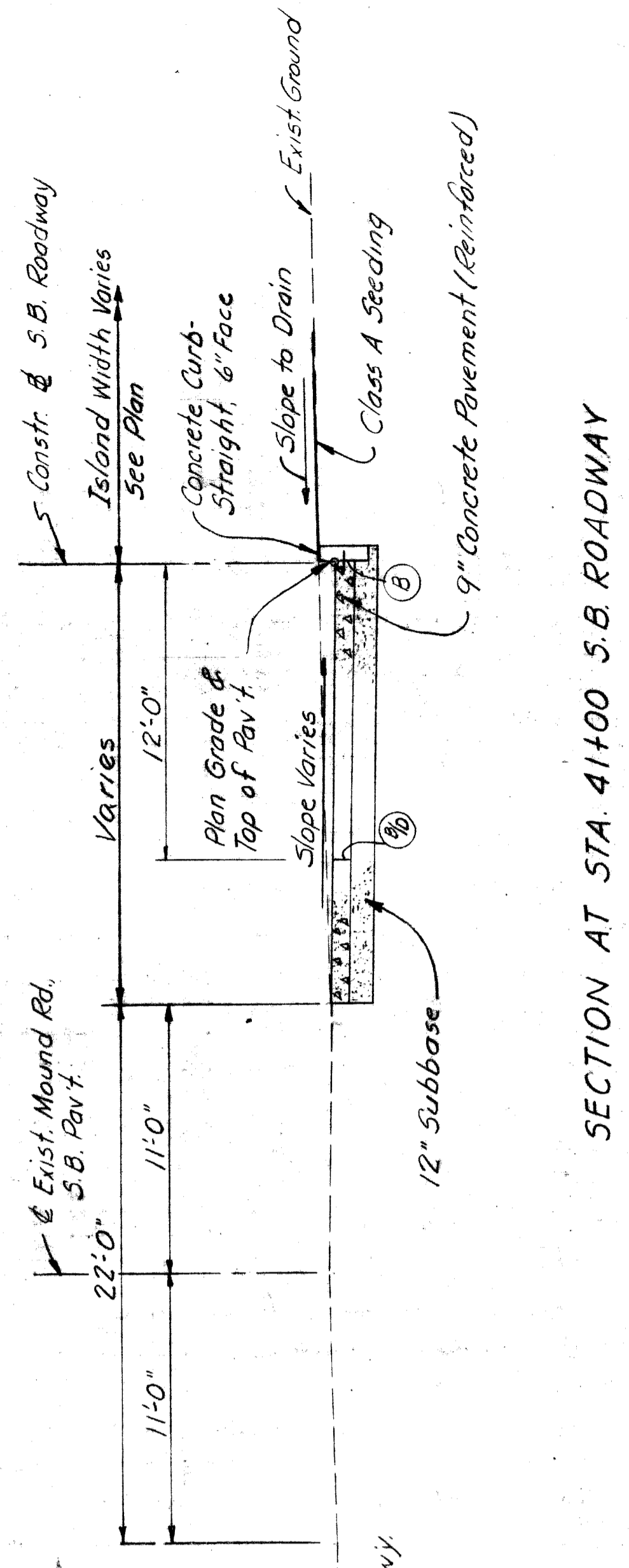
SECTION AT STA. 38+50 - N.B. ROADWAY



SECTION AT STA. 40+50 - N.B. ROADWAY

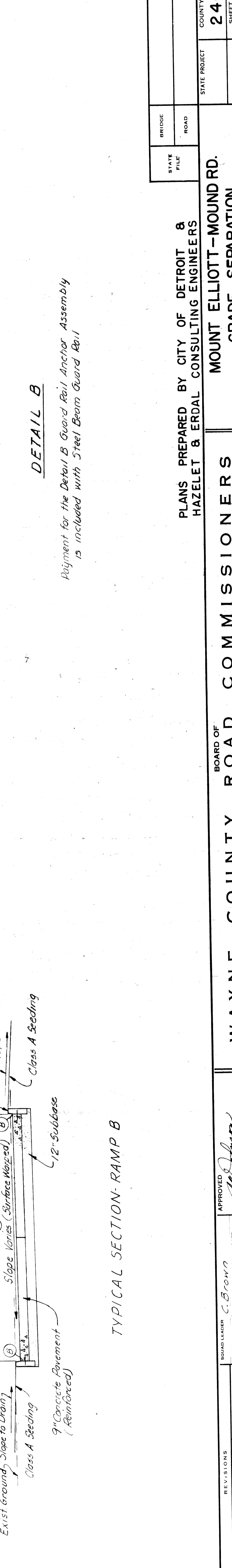
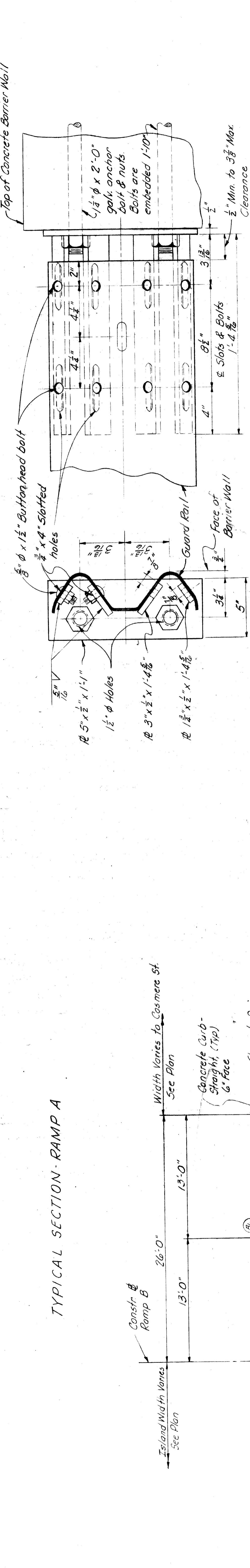
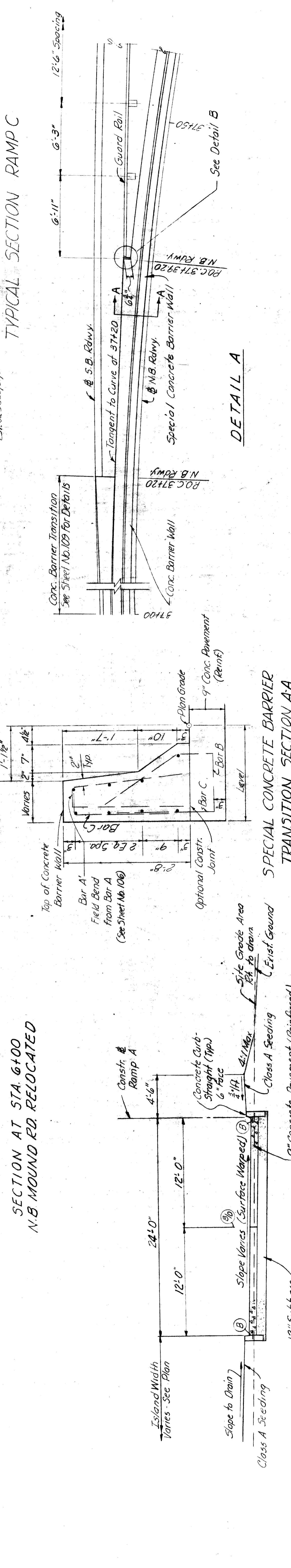
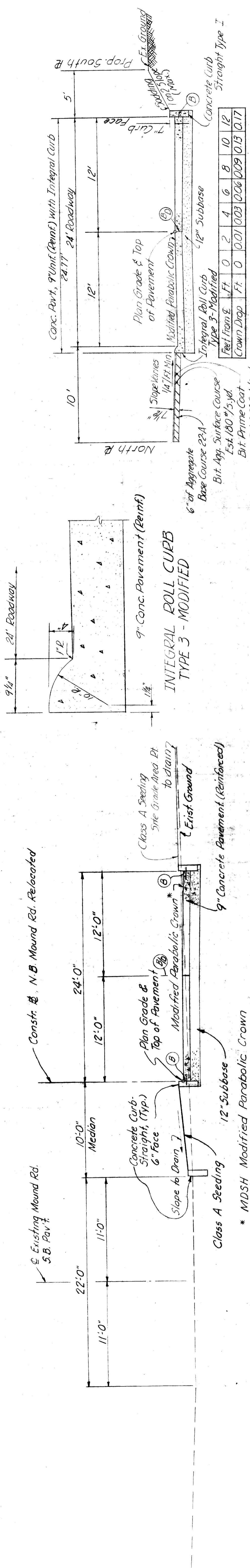


SPECIAL CONCRETE BARRIER DETAILS  
Scale: 1/2" = 1'



SECTION AT STA. 41+00 S.B. ROADWAY

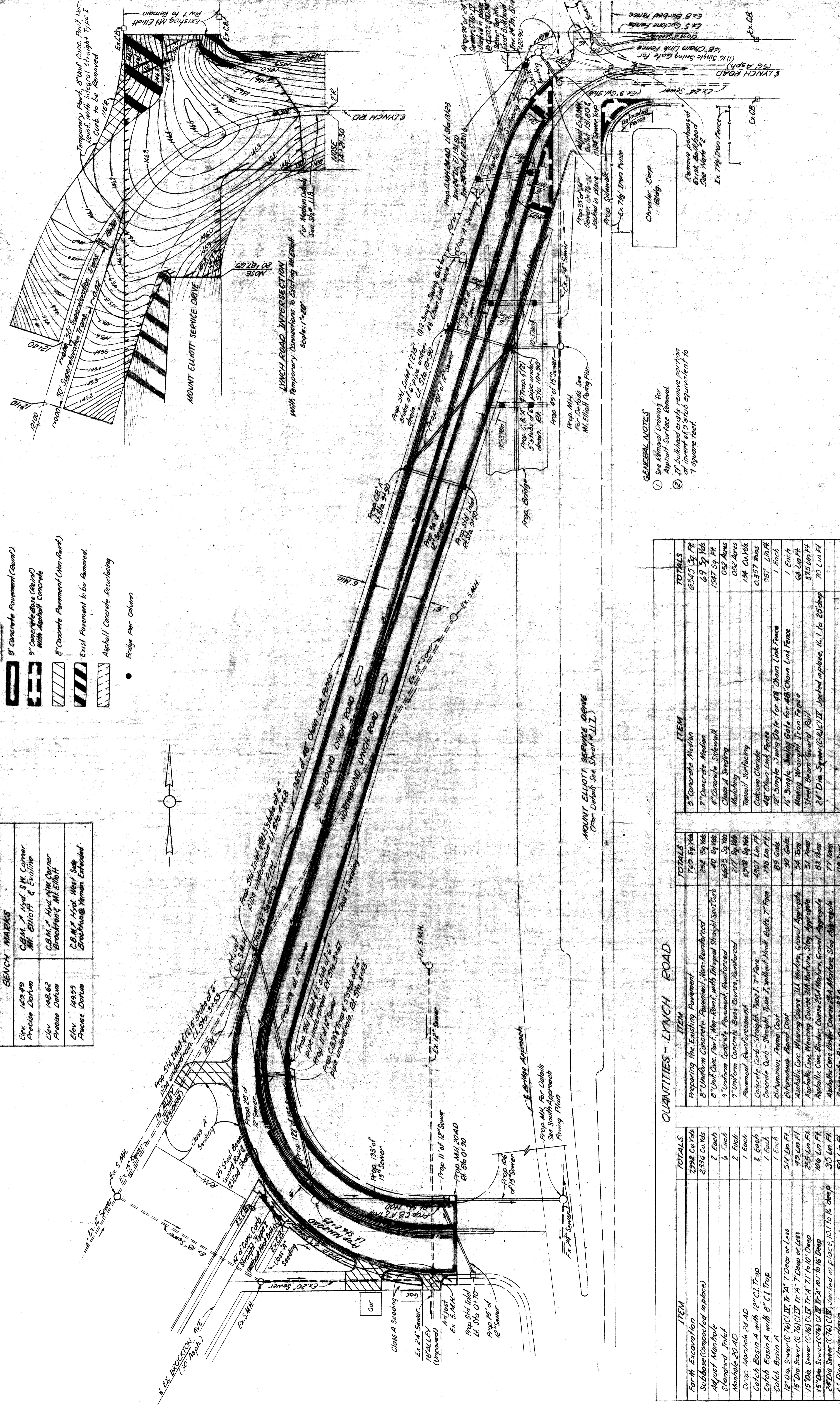
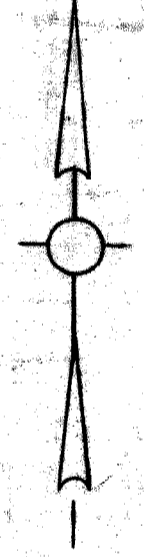
REVISIONS		APPROVED	BOARD OF	HAZELET & ERDAL CONSULTING ENGINEERS		STATE PROJECT	COUNTY JOB
DRAWN BY	C. BROWN	 C. BROWN ENGINEER OF PROFESSIONAL SURVEYING AND ENGINEERING	WAYNE COUNTY ROAD COMMISSIONERS DETROIT, MICHIGAN WILLIAM E. KRUEGER PHILIP J. NEUDECK	MOUNT ELLIOTT-MOUND RD.		STATE FILE	246
CHECKED BY	M. J. J. J.			GRADE SEPARATION		BRIDGE	ROAD
CORRECTED BY	M. J. J. J.	 M. J. J. J. ENGINEER OF DESIGN, SURVEYING AND EXPRESSWAYS	NORTH APPROACH SECTIONS		DATE	2/13/28	



Feet from E. Crown Drop	0	2	4	6	8	10	12
Concrete Curb Straight Type I	0.011	0.003	0.006	0.009	0.13	0.17	

BENCH MARKS	
Elev 149.49	CB.M. 1/4 Hyd. S.W. Corner Mt. Elliott & Evington
Elev 148.62	CB.M. 1/4 Hyd. Mt. Corner Brockton & Mt. Elliott
Elev 149.55	CB.M. 1/4 Hyd. West Side Brockton & Yerman Extended

LEGEND	
	9" Concrete Pavement (Same)
	9" Concrete Base (Base) with Asphalt Concrete
	8" Concrete Pavement (Non-Rem'd)
	8" Concrete Pavement to be Removed
	Asphalt Concrete Resurfacing
	Bridge Pier Column



**GENERAL NOTES**

- See General Drawing for Asphalt Surface Removal
- If bulkhead exists remove portion of inment of 9' x 5' 6" equivalent to 7 square feet.

QUANTITIES - LYNCH ROAD	
ITEM	TOTALS
Earth Excavation	7998 cu Yds
Subbase (Compacted in place)	2336 cu Yds
Asphalt Concrete	2 Each
Standard Inlet	2 Each
Manhole 20 AD	2 Each
Catch Basin A with 18" CI Trap	2 Each
Catch Basin A with 8" CI Trap	1 Each
Catch Basin A	1 Each
18" Dia. Sewer (C-76) CI Tr. 4" 7' Deep or Less	5/1 Lin Ft
18" Dia. Sewer (C-76) CI Tr. 4" 7' Deep or Less	49 Lin Ft
15" Dia. Sewer (C-76) CI Tr. 4" 7' 10" Deep	255 Lin Ft
15" Dia. Sewer (C-76) CI Tr. 4" 10' 10" Deep	106 Lin Ft
24" Dia. Sewer (C-76) CI Tr. 4" 10' 10" Deep	35 Lin Ft
6" Pipe Under-drain	50 Lin Ft
24" Dia. Sewer Taps	2 Each

ITEM	TOTALS
Preparing the Existing Pavement	769 sq Yds
8" Uniform Concrete Pavement, Non-Reinforced	252 sq Yds
8" Uniform Conc Pavt., Non-Reinft., with Integral Straight Inlet Curb	40 sq Yds
9" Uniform Concrete Pavement, Reinforced	6685 sq Yds
9" Uniform Concrete Base Course, Reinforced	217 sq Yds
Pavement Reinforcement	6202 sq Yds
Concrete Curb - Straight, Type I, 7" Face	4902 Lin Ft
Concrete Curb - Straight, Type I, without Hook Bolt, 7" Face	198 Lin Ft
Biluminous Prime Coat	89 Gals
Asphaltic Conc. Wearing Course 3/4" Max. Size, Gravel Aggregate	54 Tons
Asphaltic Conc. Wearing Course 3/4" Max. Size, Slag Aggregate	51 Tons
Asphaltic Conc. Binder Course 2 1/4" Max. Size, Gravel Aggregate	83 Tons
Asphaltic Conc. Binder Course 2 1/4" Max. Size, Slag Aggregate	77 Tons
Aggregate Base Course P2 A	119 Tons
Biluminous Aggregate Surface Course	82 Tons

PLANS PREPARED BY CITY OF DETROIT

MOUNT ELLIOTT-MOUND ROAD  
GRADE SEPARATION  
LYNCH ROAD PAVING PLAN

WAYNE COUNTY ROAD COMMISSIONERS  
DETOIT, MICHIGAN

APPROVED  
WILLIAM E. KREGER  
COUNTY ENGINEER

APPROVED  
PHILIP J. NEUDECK  
CITY ENGINEER

NO.	DATE	BY	REVISIONS
1	1/27/20	W. Kreger	AS SHOWN

CITY OF DETROIT  
COUNTY ENGINEER  
CITY ENGINEER

COUNTY JOB  
246

STATE PROJECT  
ISSUE NO. 1

SHEET NO.  
1/15

DATE 5-23-20

MICHAEL BERRY

WILLIAM E. KREGER

PHILIP J. NEUDECK

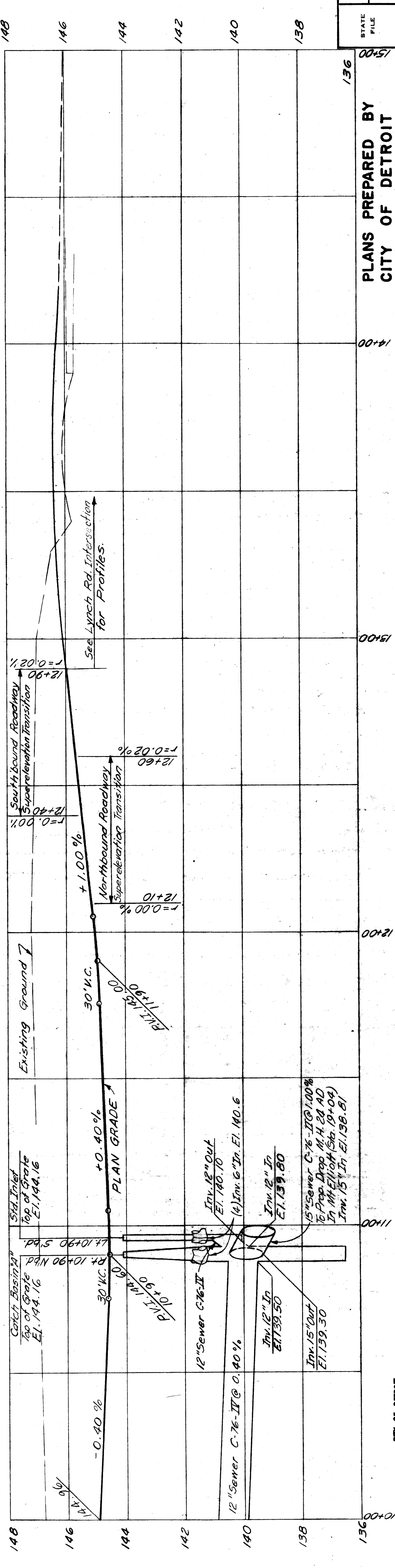
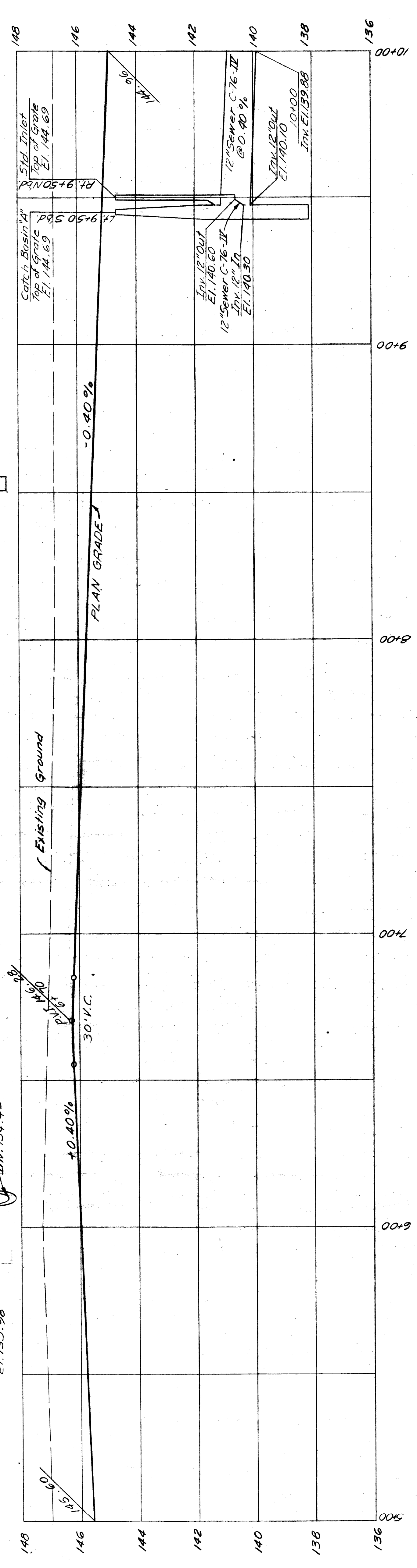
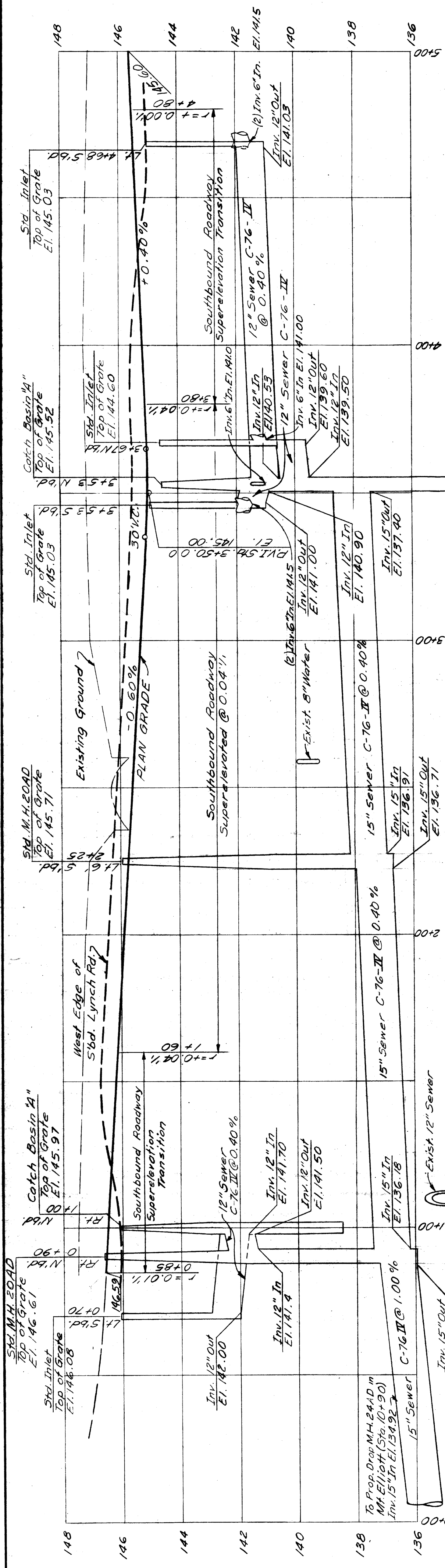
APPROVED  
W. Kreger

APPROVED  
P. Neudeck

APPROVED  
W. Kreger

APPROVED  
P. Neudeck



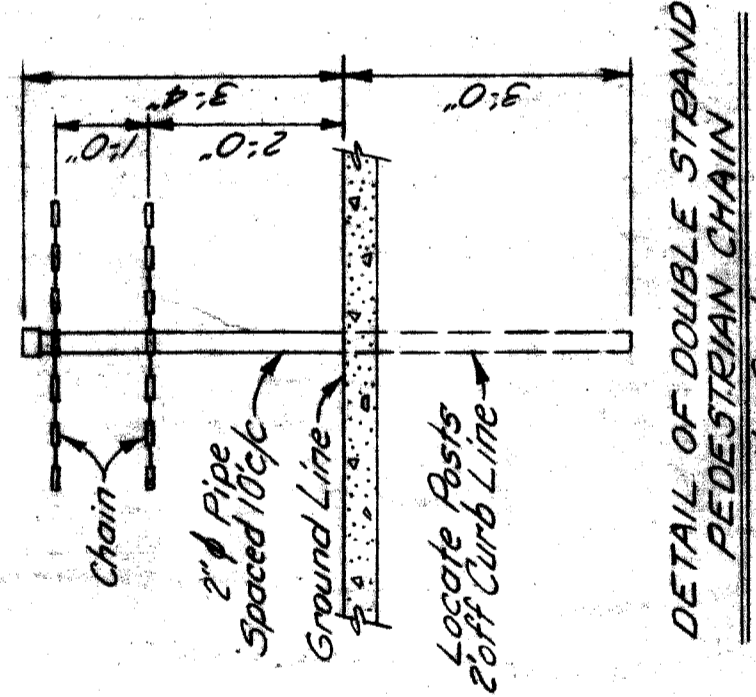


REVISIONS		CITY OF DETROIT	APPROVED		COUNTY ENGINEER OF HIGHWAYS AND EXPRESSWAYS	STATE PROJECT	ROAD	COUNTY JOB
DRAWN BY	CHECKED BY		DATE	DATE				
DESIGNED BY	CHECKED BY	DATE	DATE	WILLIAM E. KREGER MICHIGAN ENGINEER		MOUNT ELLIOTT - MOUND ROAD GRADE SEPARATION LYNCH ROAD PROFILES	ISSUE NO.	246
CORRECT	CHECKED BY	DATE	DATE	PHILIP J. NEUDECK MICHIGAN ENGINEER			ISSUE NO.	116
BOARD LEADER		CITY OF DETROIT	BOARD OF ROAD COMMISSIONERS		DETROIT, MICHIGAN	PLANS PREPARED BY		STATE FILE
CITY ENGINEER OF HIGHWAYS AND EXPRESSWAYS		CITY OF DETROIT	WAYNE COUNTY ROAD COMMISSIONERS		DETROIT, MICHIGAN	CITY OF DETROIT		ROAD
CITY ENGINEER OF HIGHWAYS AND EXPRESSWAYS		CITY OF DETROIT	WAYNE COUNTY ROAD COMMISSIONERS		DETROIT, MICHIGAN	CITY OF DETROIT		ROAD
CITY ENGINEER OF HIGHWAYS AND EXPRESSWAYS		CITY OF DETROIT	WAYNE COUNTY ROAD COMMISSIONERS		DETROIT, MICHIGAN	CITY OF DETROIT		ROAD

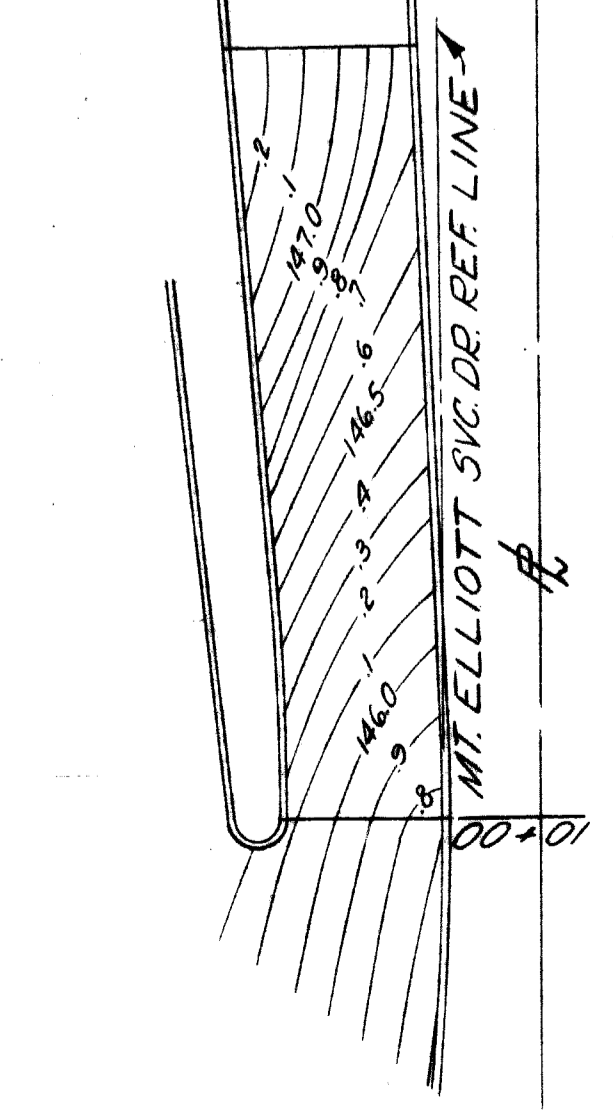
X0107

QUANTITIES - MT. ELLIOTT SERVICE DR.

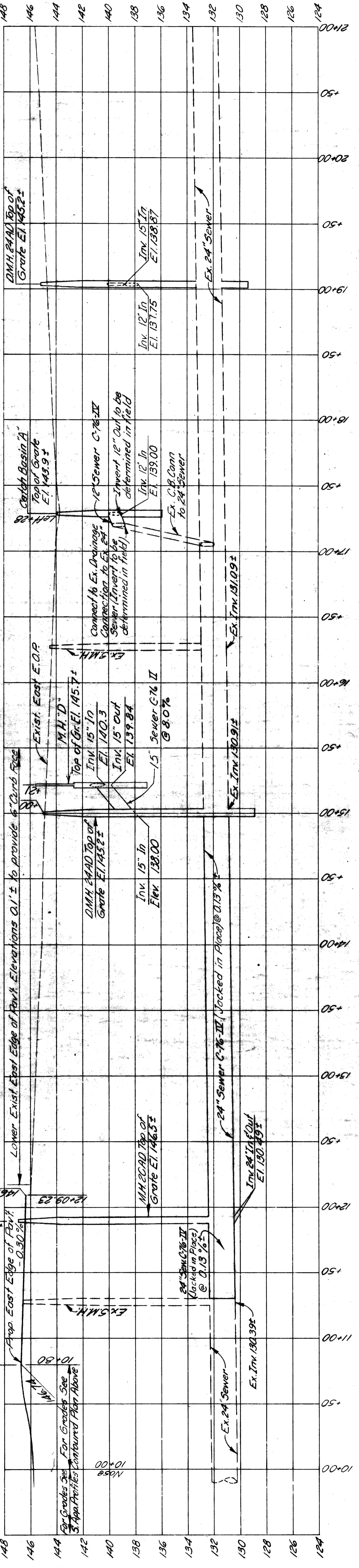
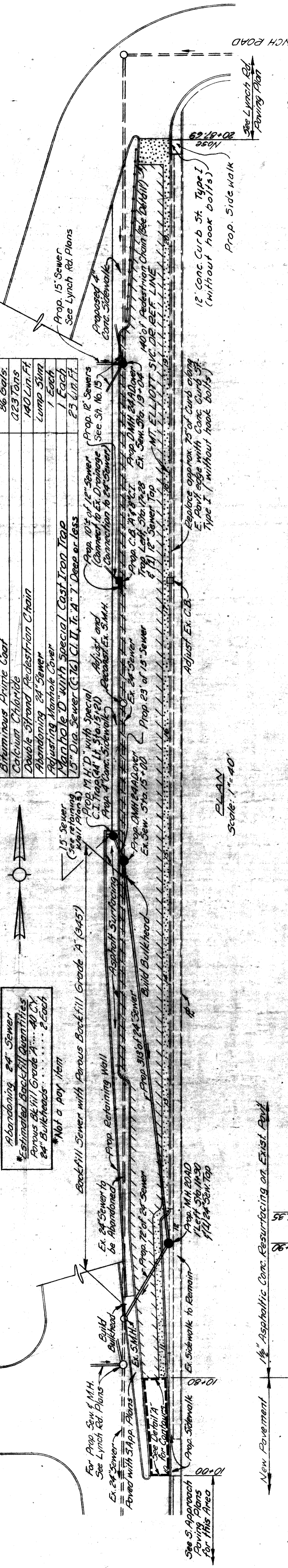
ITEM	TOTALS
Earth Excavation	356 Cu Yds
Subbase (Compacted in Place)	54 Cu Yds
Remove Bituminous Surface - Planer Method	713 Sq Yds
Preparing Ex. Pavt.	3,271 Sq Yds
Reconstruct M.H.	3 Lin Ft
Adjusting Catch Basin Cover	1 Each
DMH 24" AD	2 Each
M.H. 24" AD	1 Each
Catch Basin "A" with 8" C.I. Trap	10 Lin Ft
12" Dia. Sewer (C.I.) 11' x 11' 7" Deep or less	388 Lin Ft
24" Dia. Sewer (C.I.) 11' x 11' 7" Deep or less	1 Each
12" Sewer Taps	156 Sq Yds
24" Sewer Taps	156 Sq Yds
Asphalt Reinforcement	1018 Lin Ft
Conc. Curb Straight - 7" Face (without hook bolts)	80 Lin Ft
Conc. Curb Straight - 7" Face (with hook bolts)	227 Lin Ft
Conc. Curb Straight - 6" Face (with hook bolts)	80 Lin Ft
4" Conc. Sidewalk	6,287 Sq Ft
Bituminous Bond Coat	36 Gals
Asphaltic Conc. Binder Course, 2.5A Mixture, Gravel Pkg.	9 Tons
Asphaltic Conc. Wearing Course, 31A Mixture, Gravel Pkg.	335 Tons
Asphaltic Conc. Binder Course, 2.5A Mixture, Slag Aggregate	8 Tons
Asphaltic Conc. Wearing Course, 31A Mixture, Slag Agg.	315 Tons
Aggregate Base Course, 2.5A	76 Tons
Bituminous Aggregate Surface Course	31 Tons
Bituminous Prime Coat	86 Gals
Calcium Chloride	223 Tons
Double Strand Pedestrian Chain	140 Lin Ft
Abandoning 24" Sewer	1 Each
Adjusting Manhole Cover	1 Each
15" Dia. Sewer (C.I.) 11' x 11' 7" Deep or less	253 Lin Ft
Prop. 10' of 12" Sewer (Connect to Ex. Sewer)	Prop. 10' of 12" Sewer (Connect to Ex. Sewer)
Adjust and Reconnect Ex. S.M.H.	Prop. 10' of 12" Sewer (Connect to Ex. Sewer)
Prop. 10' of 12" Sewer (Connect to Ex. Sewer)	Prop. 10' of 12" Sewer (Connect to Ex. Sewer)
Prop. 23' of 15" Sewer	Prop. 23' of 15" Sewer
Prop. 23' of 15" Sewer	Prop. 23' of 15" Sewer
Adjust Ex. C.B.	Adjust Ex. C.B.
Replace approx. 20' of Curb along Ex. Pavt. edge with Conc. Curb St. Type I (without hook bolts)	Replace approx. 20' of Curb along Ex. Pavt. edge with Conc. Curb St. Type I (without hook bolts)



DETAIL "A"  
Scale: 1"=20'



PLAN  
Scale: 1"=40'



EAST E.O.P. PROFILE  
Scale: Hor. 1"=40' Vert. 1"=4'

**PAVEMENT LEGEND**

- Asphaltic Concrete Resurfacing
- Remove Ex. Bit Surface by the Planer Meth & Replace with Asphaltic Conc. Reboundng
- 9" Conc. Base Course (Reint.) with Asph. Conc.

PLANS PREPARED BY CITY OF DETROIT

WAYNE COUNTY ROAD COMMISSIONERS

BOARD OF MOUNT ELLIOTT-MOUND ROAD GRADE SEPARATION

MT. ELLIOTT SERVICE DR. PAVING PLAN & PROFILE

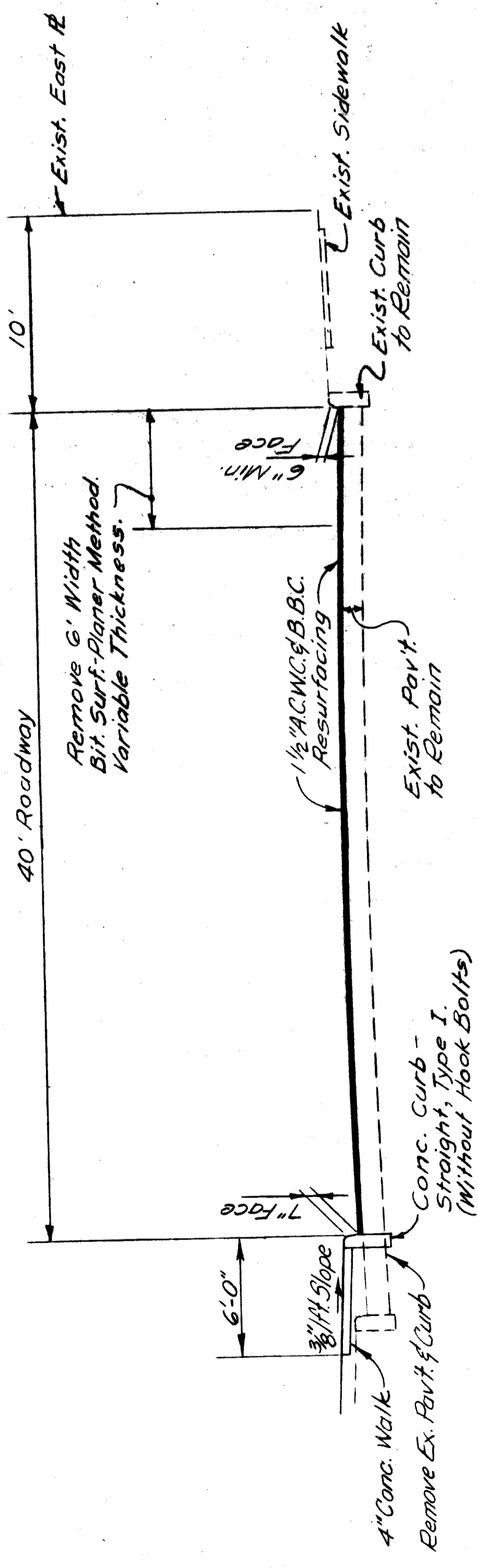
APPROVED: [Signature] ENGINEER OF STRUCTURES AND SURVEYING

APPROVED: [Signature] COUNTY HIGHWAY ENGINEER

REVISIONS

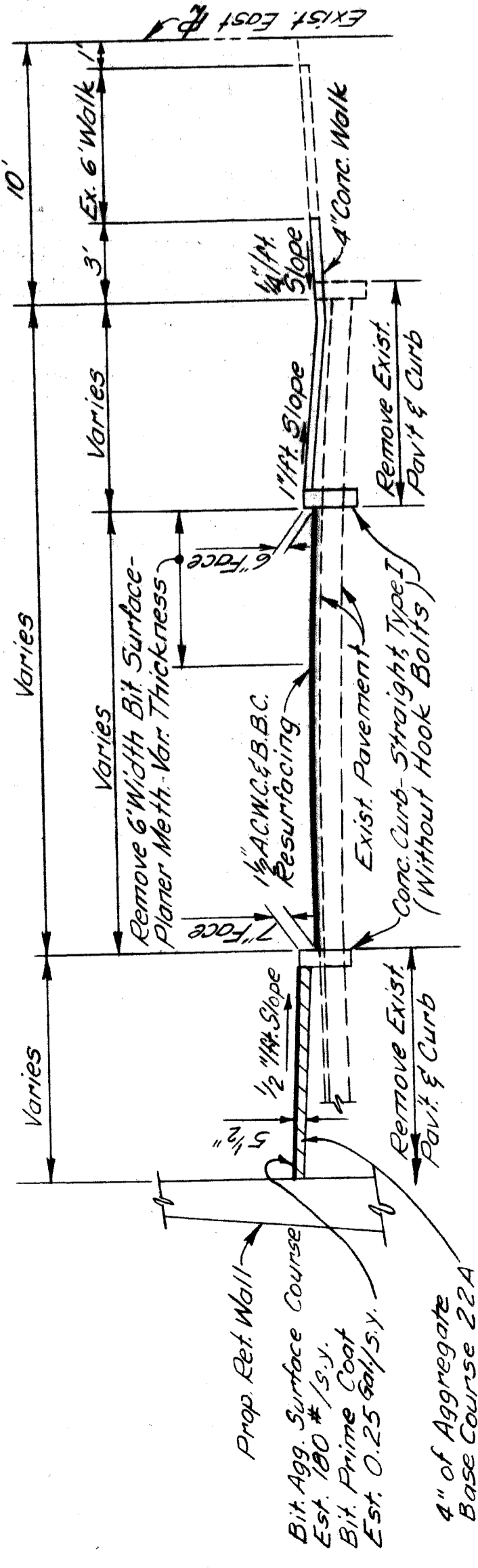
BRIDGE	STATE PROJECT	COUNTY JOB
ROAD		246
STATE FILE	ISSUE NO.	117
	DATE	8-23-58

MICHAEL BERRY  
WILLIAM E. KREGER  
PHILIP J. NEUDECK



MT ELLIOTT SVC. DR.

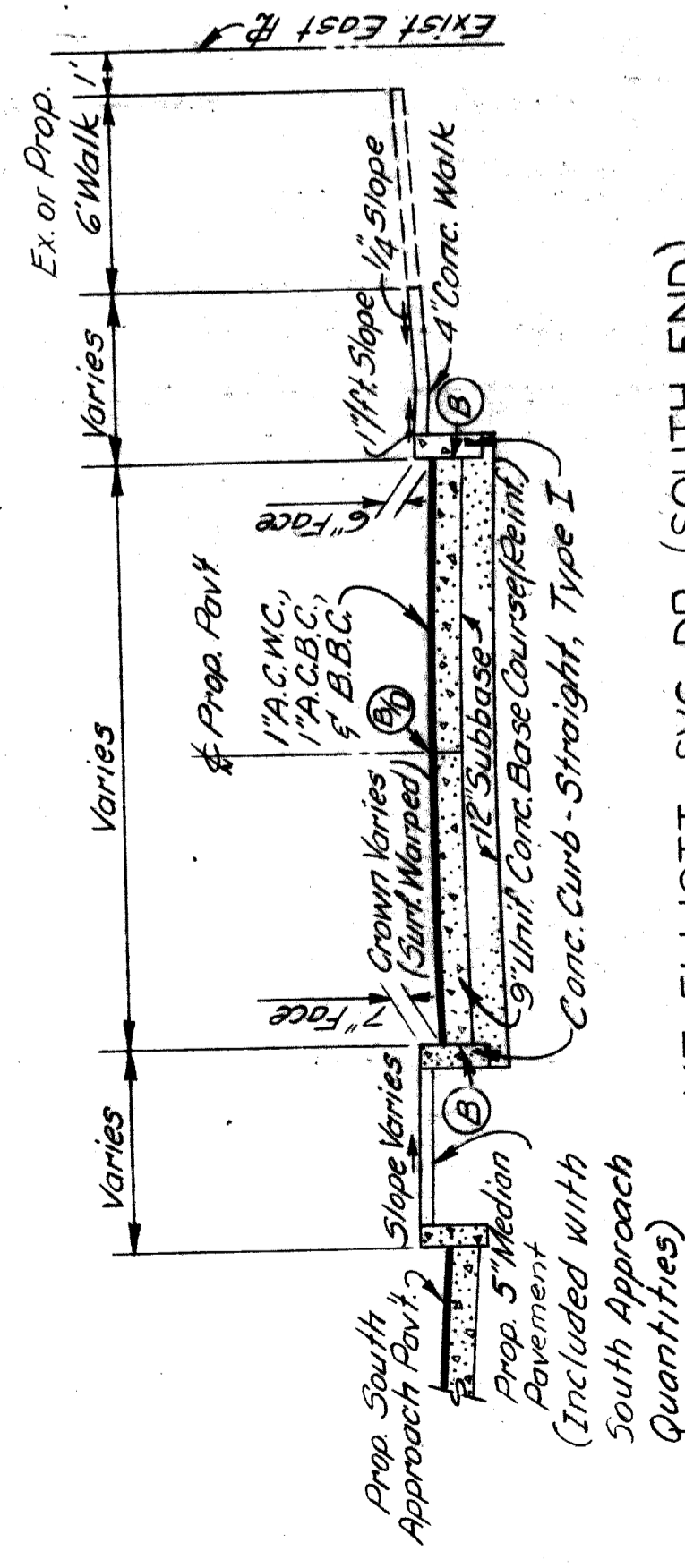
SCALE: 1" = 6'



MT ELLIOTT SVC. DR. (SOUTH END)

STA. 10+80 TO STA. 12+17

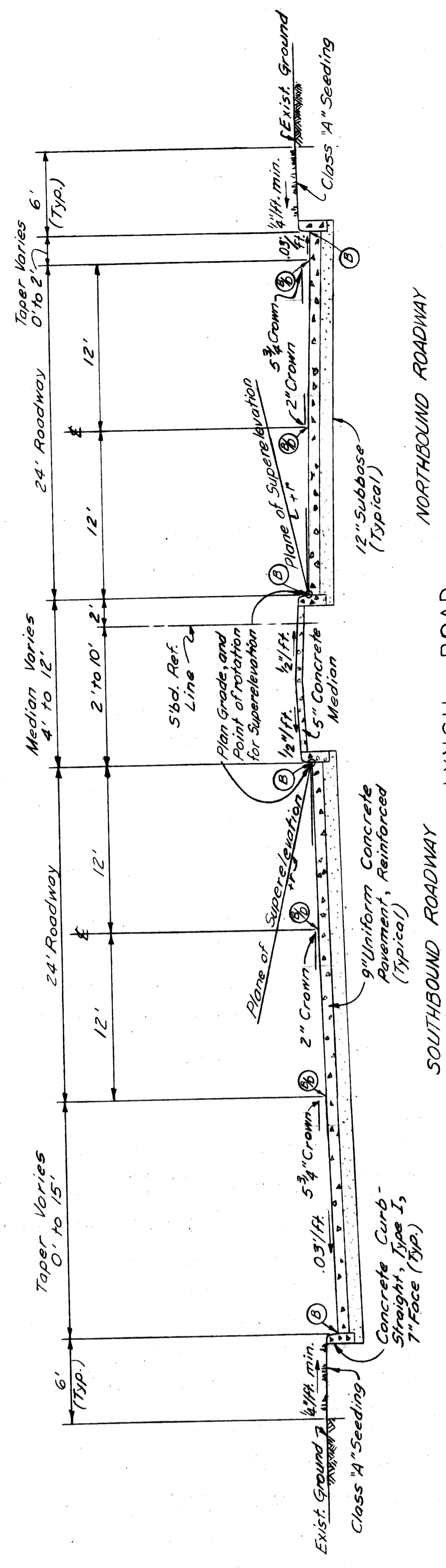
SCALE: 1" = 5'



MT. ELLIOTT SVC. DR. (SOUTH END)

STA. 10+00 TO STA. 10+80

SCALE: 1" = 5'



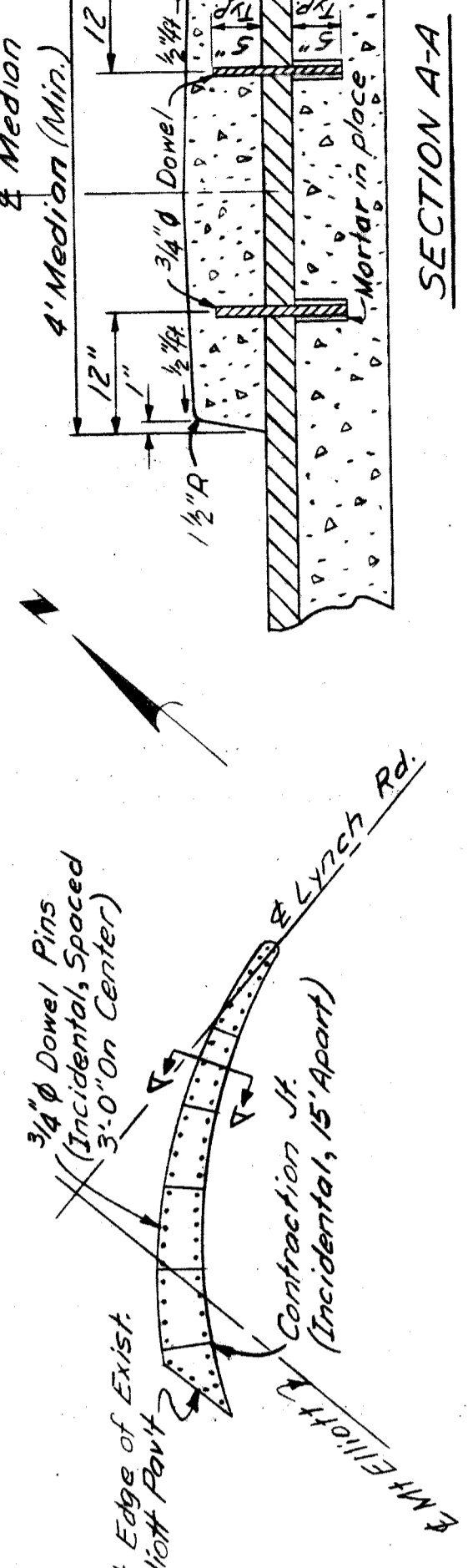
LYNCH ROAD

SCALE: 1" = 6'

LYNCH ROAD MODIFIED PARABOLIC CROWN

Distance from $\frac{1}{2}$ "	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

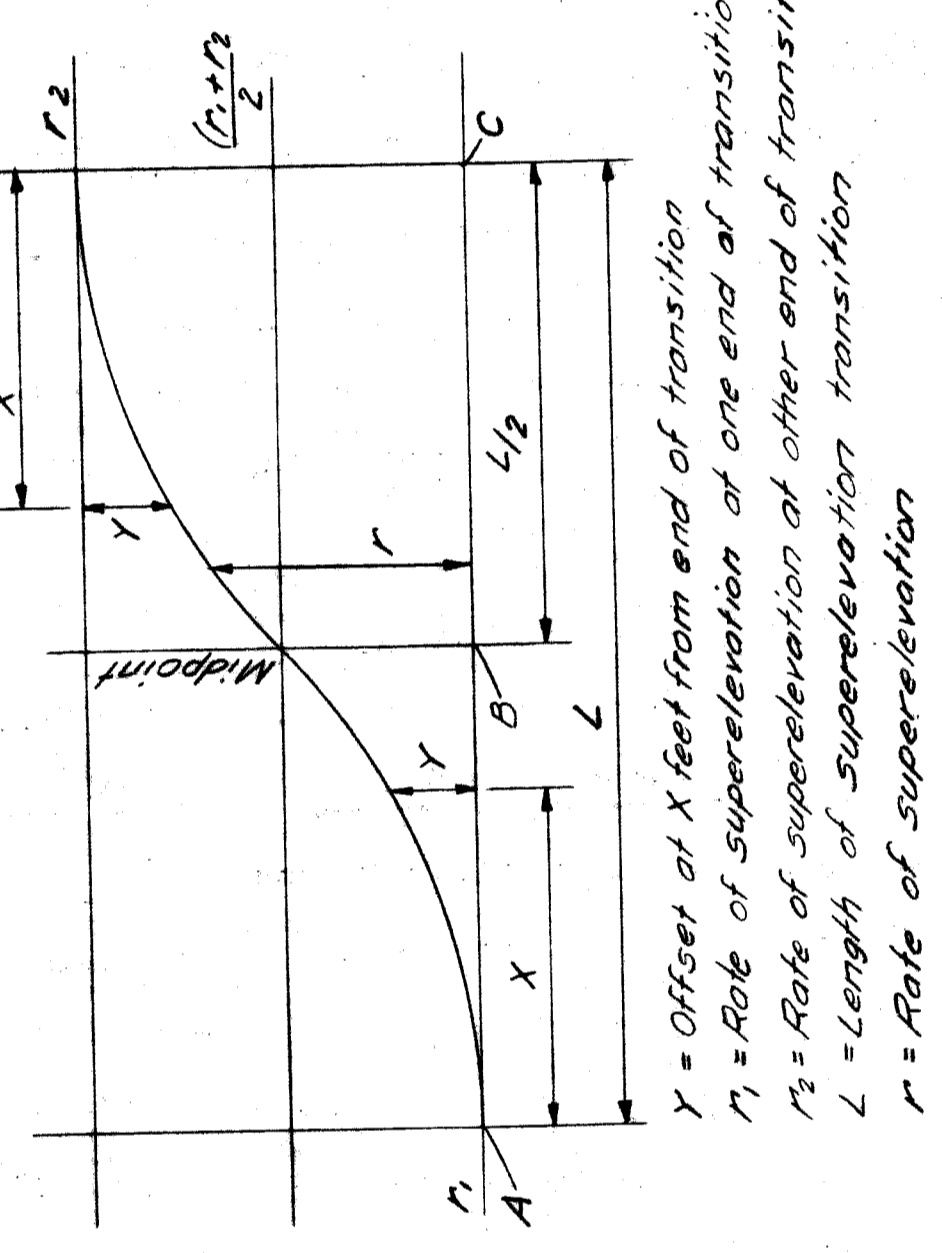
\*  $r = 0.00404 \times \frac{3}{2}$



DETAILS OF 7" CONCRETE MEDIAN

IN LYNCH ROAD INTERSECTION

NOT TO SCALE



SUPERELEVATION TRANSITION USING PARABOLIC REVERSE CURVES

$$* Y = \left( \frac{L+X}{L} \right) \left( \frac{r}{2} \right)^2$$

Rate of super-elevation	From A to B	From B to C
$r_1 > r_2$	$r = r_1 - Y$	$r = Y$
$r_2 > r_1$	$r = Y$	$r = r_2 - Y$

**PLANS PREPARED BY CITY OF DETROIT**

MOUNT ELLIOTT - MOUND RD.  
GRADE SEPARATION  
MT. ELLIOTT - LYNCH RD. SECTIONS

STATE FILE	BRIDGE ROAD	STATE PROJECT	COUNTY JOB <b>246</b>
			SHEET NO. 118
			ISSUE NO. / DATE 5/23/58

**WAYNE COUNTY ROAD COMMISSIONERS**

BOARD OF  
**DETROIT, MICHIGAN**

WILLIAM E. KREGER  
MICHAEL BERRY

PHILIP J. NEUDECK  
CITY ENGINEER

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

APPROVED: *[Signature]*  
CITY ENGINEER

X0107

ITEM	TOTALS
Earth Excavation	5053 Cu Yds
Subbase (Compacted in place)	3023 Cu Yds
Drop Manhole 24" AD	1 Ea
Curb Basin 24" with 8" CI Trap	3 Ea
Curb Basin 4"	2 Ea
Standard Inlet	4 Ea
Adjust Manhole Covers	6 Lin Ft
Reconstruct Manhole	1 Ea
12" Sewer Taps	2387 Sq Yds
Conc Pav 1'-9" Unif. with integral curb - Modified	2387 Sq Yds
Pavement - Reinforcement	847 Lin Ft
Conc Curb Straight (7' Face)	210 Lin Ft
Retaining Curb	120 Sq Ft
4" Conc. Walk	271 Tons
Aggregate Base Course 22A	75 Tons
Bituminous Prime Coat	224 Gals
Bituminous Aggregate Surface Course	51 Sq Yds
Removing Bituminous Surface - Planer Method	3 Tons
Asphaltic Conc. Binder Course, 25A Mixture, Gravel Agg.	3 Tons
Asphaltic Conc. Wearing Course, 31A Mixture, Gravel Agg.	12 Gals
Bituminous Bond Coat	50 Lin Ft
6" Pipe Underdrain	15 Lin Ft
12" dia Sewer (C-76) (C.I. III) 7'-4" deep or less	150 Lin Ft
12" dia Sewer (C-76) (C.I. III) 7'-4" deep or less	150 Lin Ft
15" dia Sewer (C-76) (C.I. III) 7'-4" deep or less	164 Lin Ft
15" dia Sewer (C-76) (C.I. III) 7'-4" deep or less	403 Sq Yds
Sodding	0.81 Tons
Calcium Chloride	807 Lin Ft
72" Chain Link Fence (With 2 Strands Barbed Wire)	1 Ea
Moving Existing Gate Assembly	3 Tons
Asphaltic Conc. Binder Course, 25A Mixture, 5/8" Agg.	3 Tons
Asphaltic Conc. Wearing Course, 31A Mixture, 5/8" Agg.	3 Tons

**QUANTITIES - RAMP C**

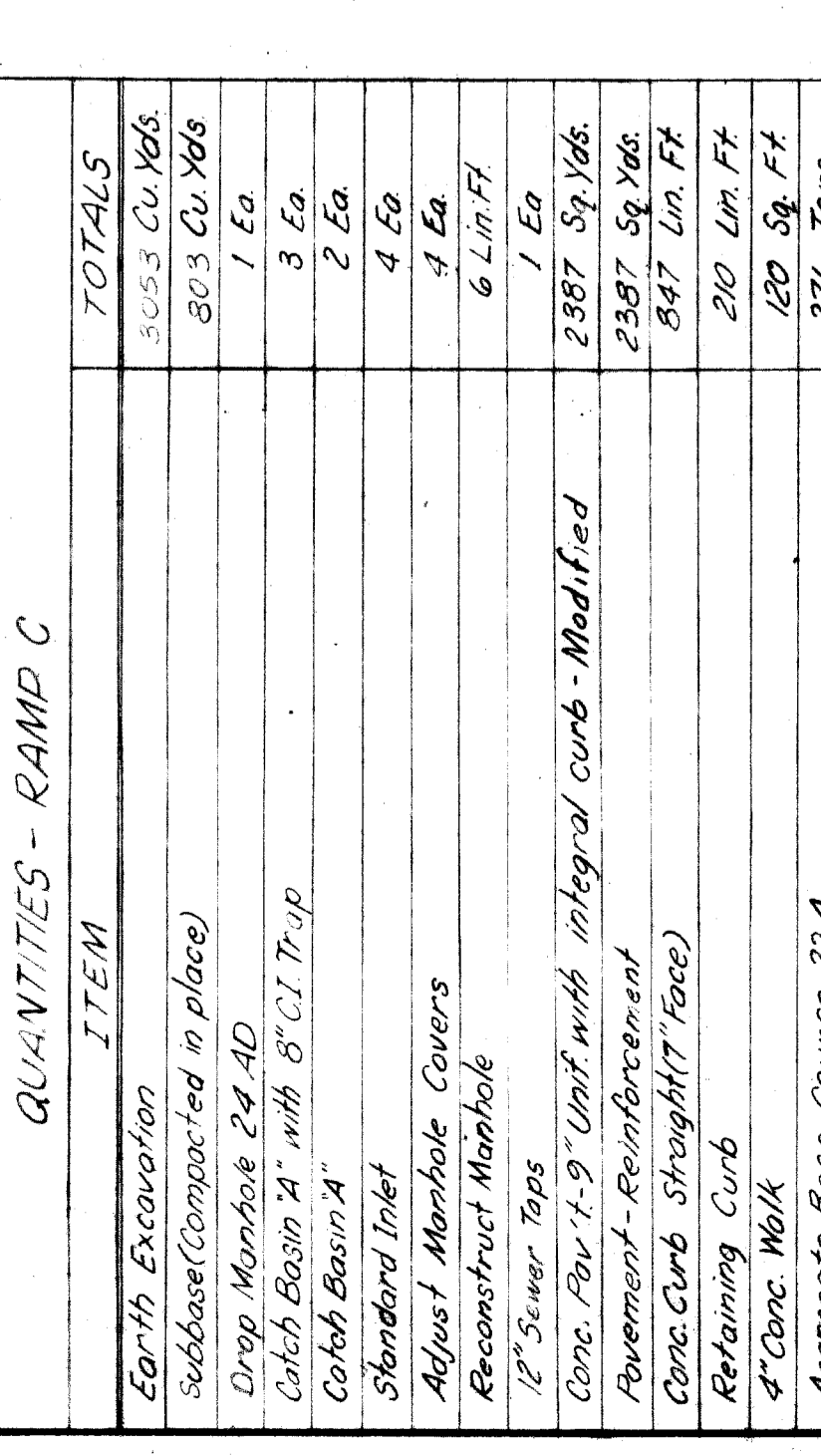
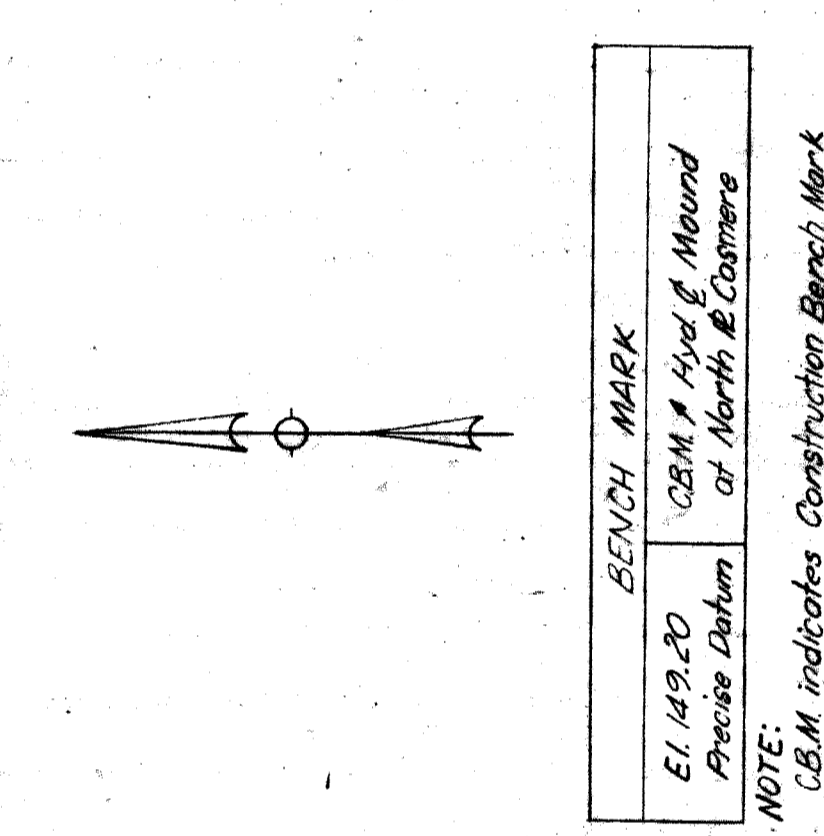
**LEGEND**

9" Concrete Pavement (Reinforced)  
Existing Sidewalk or Concrete Slab to Remain  
Remove AC Surface & Replace with AC  
Surface to elevations shown.

**CURVE DATA**  
RAMP C  
Δ = 29° 59' 07"  
D = 79° 34' 39"  
R = 72.00'  
T = 19.27'  
L = 372.66'  
E = 2.53'  
PC = 48+00.96  
PI = 49+20.13  
PT = 49+38.52

**BENCH MARK**  
El. 149.20  
CBM # 4 of Mount  
Precise Datum  
at North E. Corners

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



**PLANS PREPARED BY CITY OF DETROIT**

**WAYNE COUNTY ROAD COMMISSIONERS**

**MOUNT ELLIOTT - MOUND ROAD**  
**GRADE SEPARATION**  
**RAMP C PAVING PLANS**

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

PHILIP J. NEUDECK  
WILLIAM E. KREGER  
MICHAEL BERRY

CITY OF DETROIT

APPROVED  
ENGINEER OF STRUCTURES AND SUPERVISOR  
APPROVED  
CITY ENGINEER

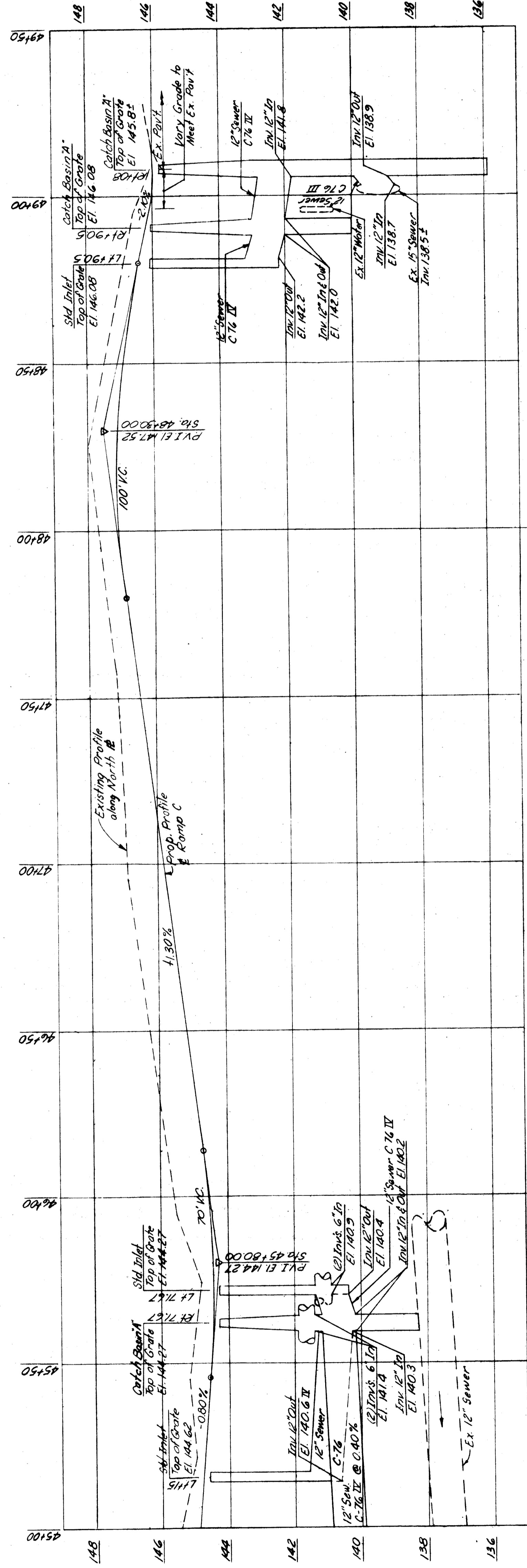
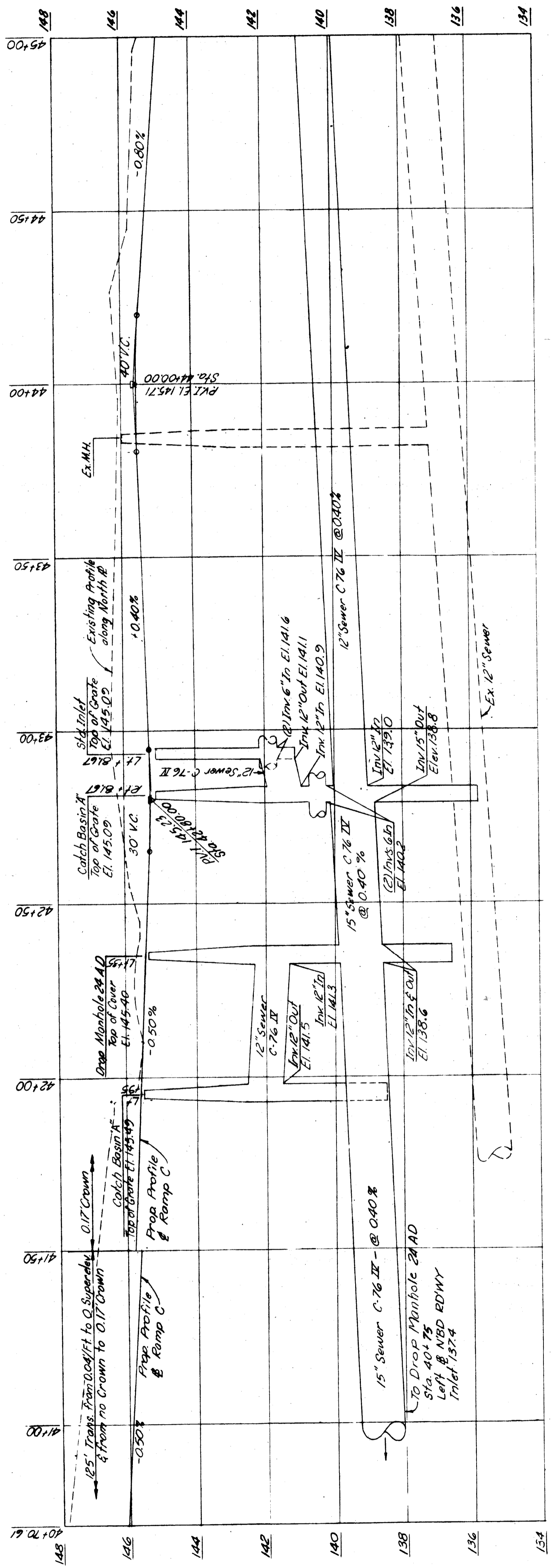
ROAD LEADER  
DRAWN BY  
CHECKED BY  
CORRECTED BY

DATE  
DATE  
DATE

REVISIONS

STATE PROJECT  
COUNTY JOB  
ISSUE NO.  
DATE

246  
119  
5-13-28



STATE FILE	BRIDGE	STATE PROJECT	COUNTY JOB
	ROAD		246
		ISSUE NO. 1	SHEET NO. 120
		DATE 5/13/88	

PLANS PREPARED BY CITY OF DETROIT

**MOUNT ELLIOTT - MOUND ROAD**

**GRADE SEPARATION**

**RAMP C PROFILES**

BOARD OF COMMISSIONERS

**WAYNE COUNTY ROAD**

DETROIT, MICHIGAN

PHILIP J. NEUDECK

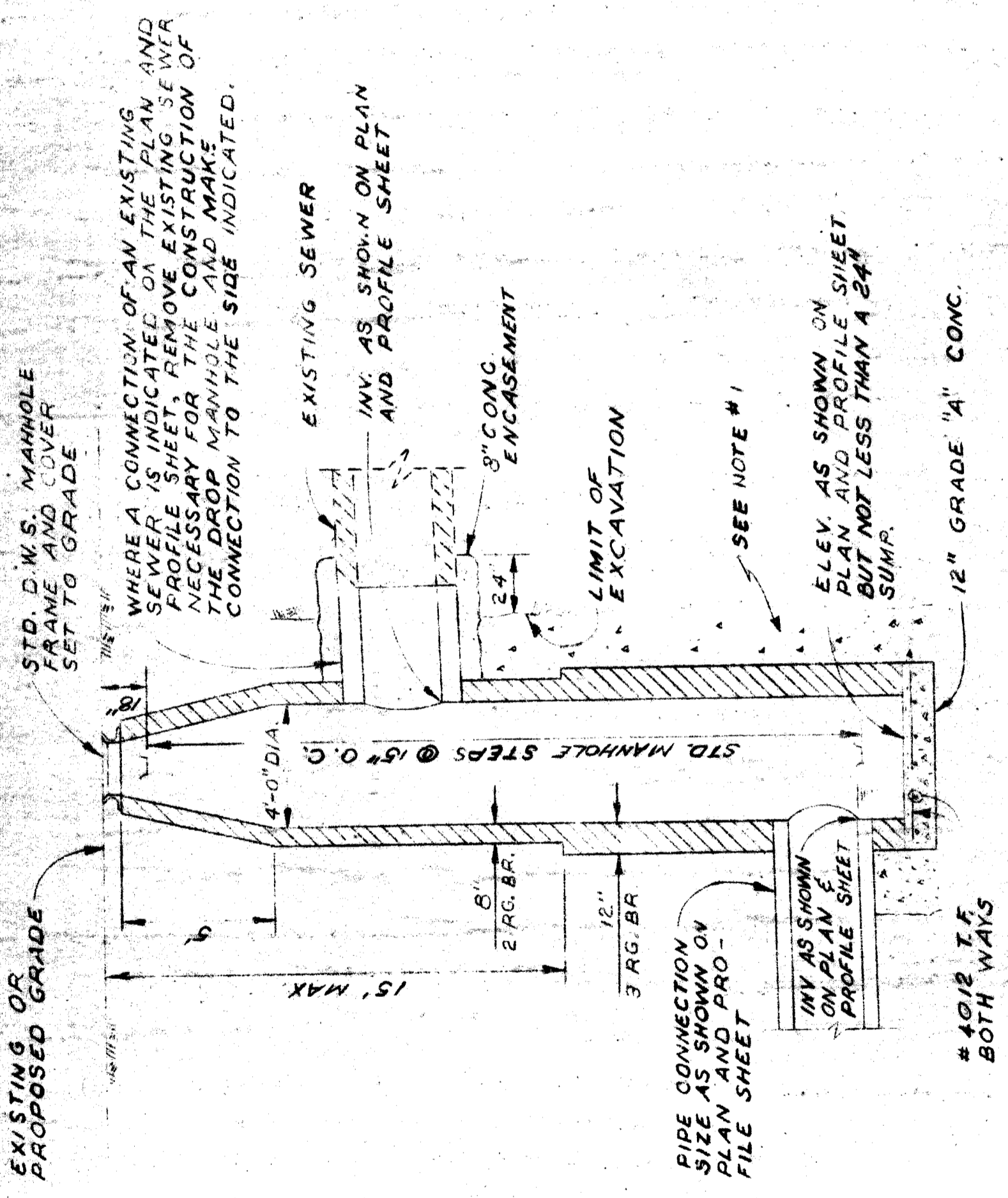
WILLIAM E. KREGER

MICHAEL BERRY

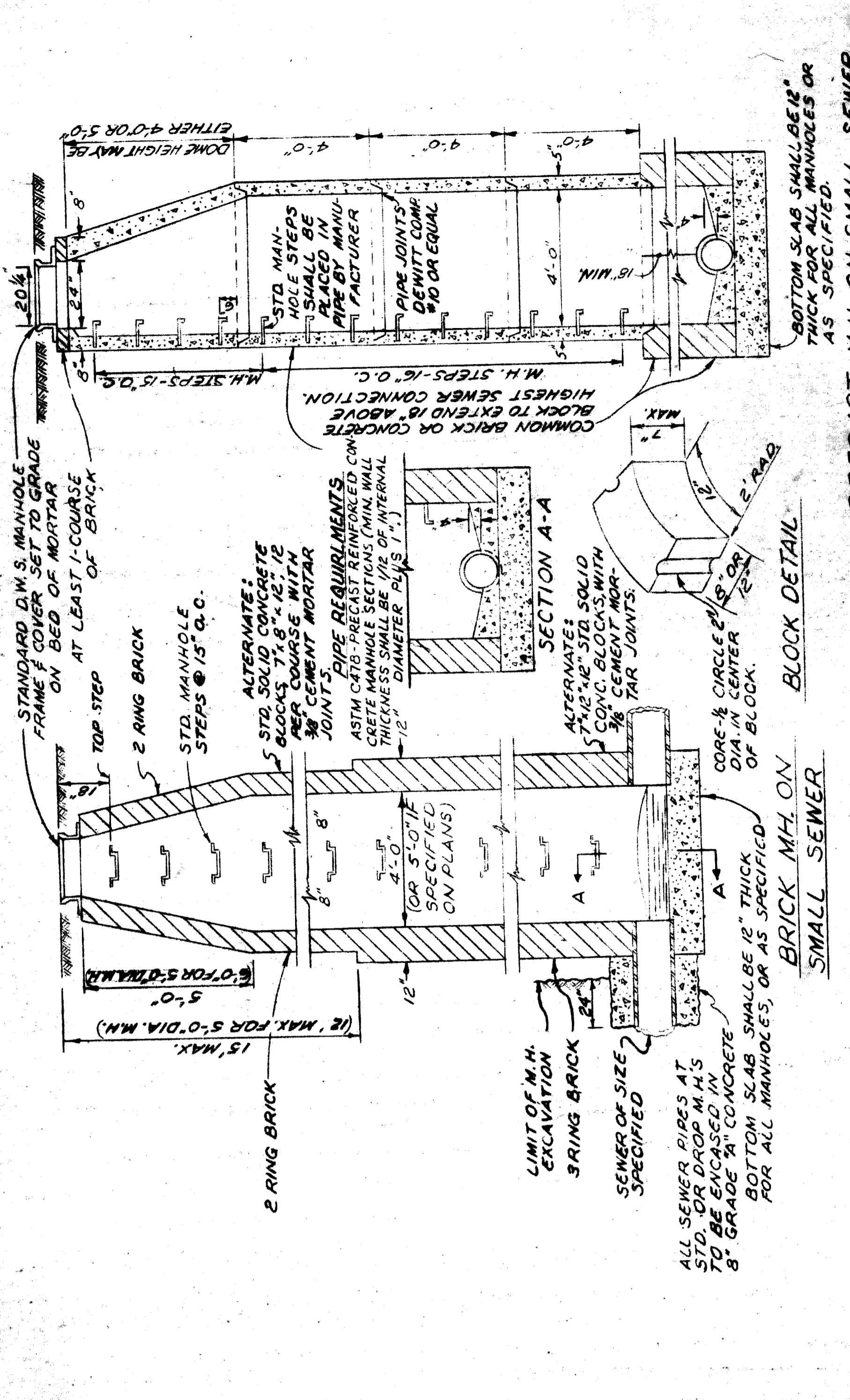
X0107

REVISIONS	APPROVED
BY	DATE
BY	DATE
BY	DATE
BY	DATE

BOARD LAYOUT	APPROVED
DRAWN BY	DATE
CHECKED BY	DATE
CORRECTED	DATE

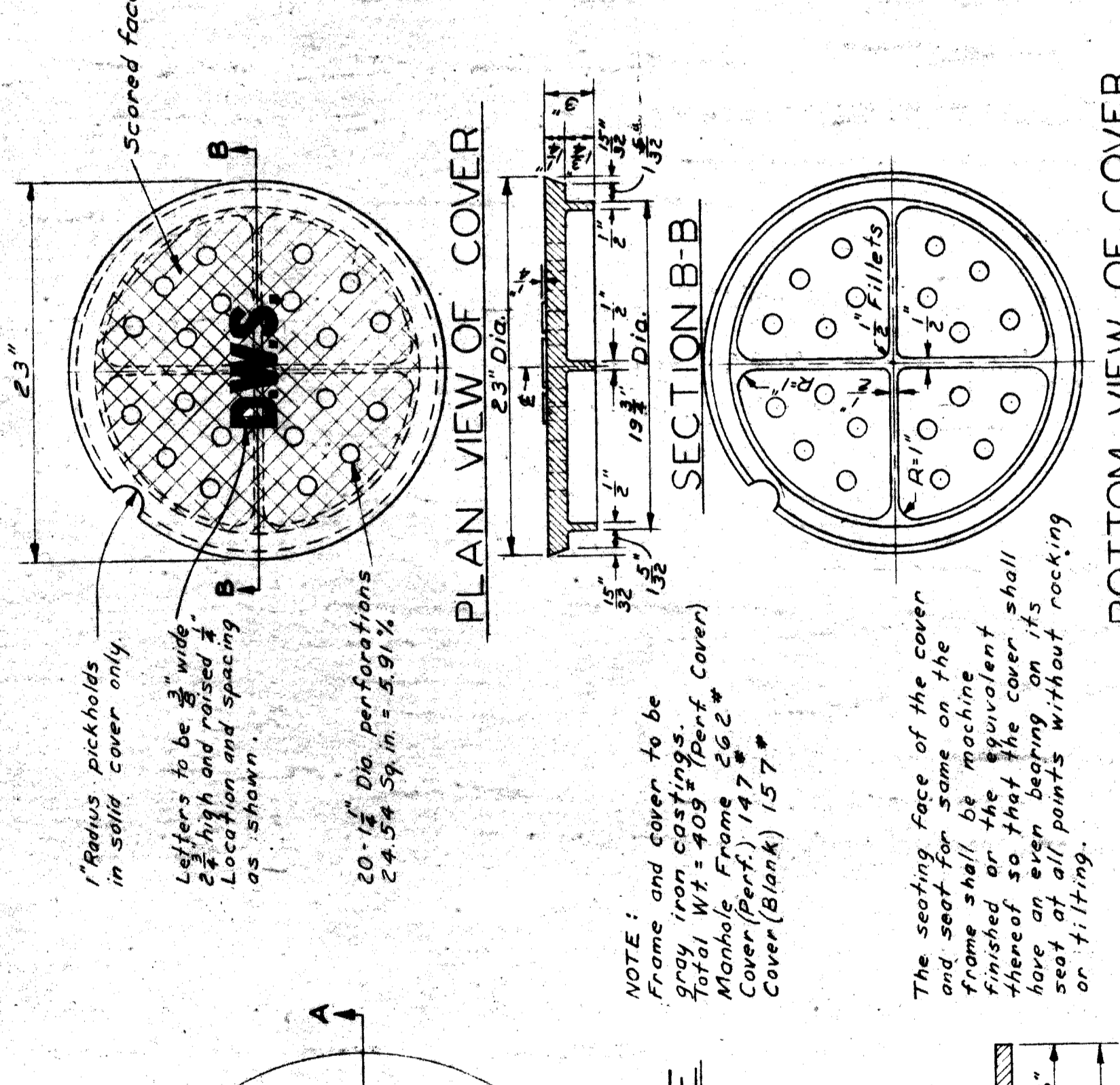


TYPICAL DROP MANHOLE AND CONNECTION DETAILS  
 SCALE: 1/2" = 1'-0"  
 (DROP MANHOLE 24 AD)

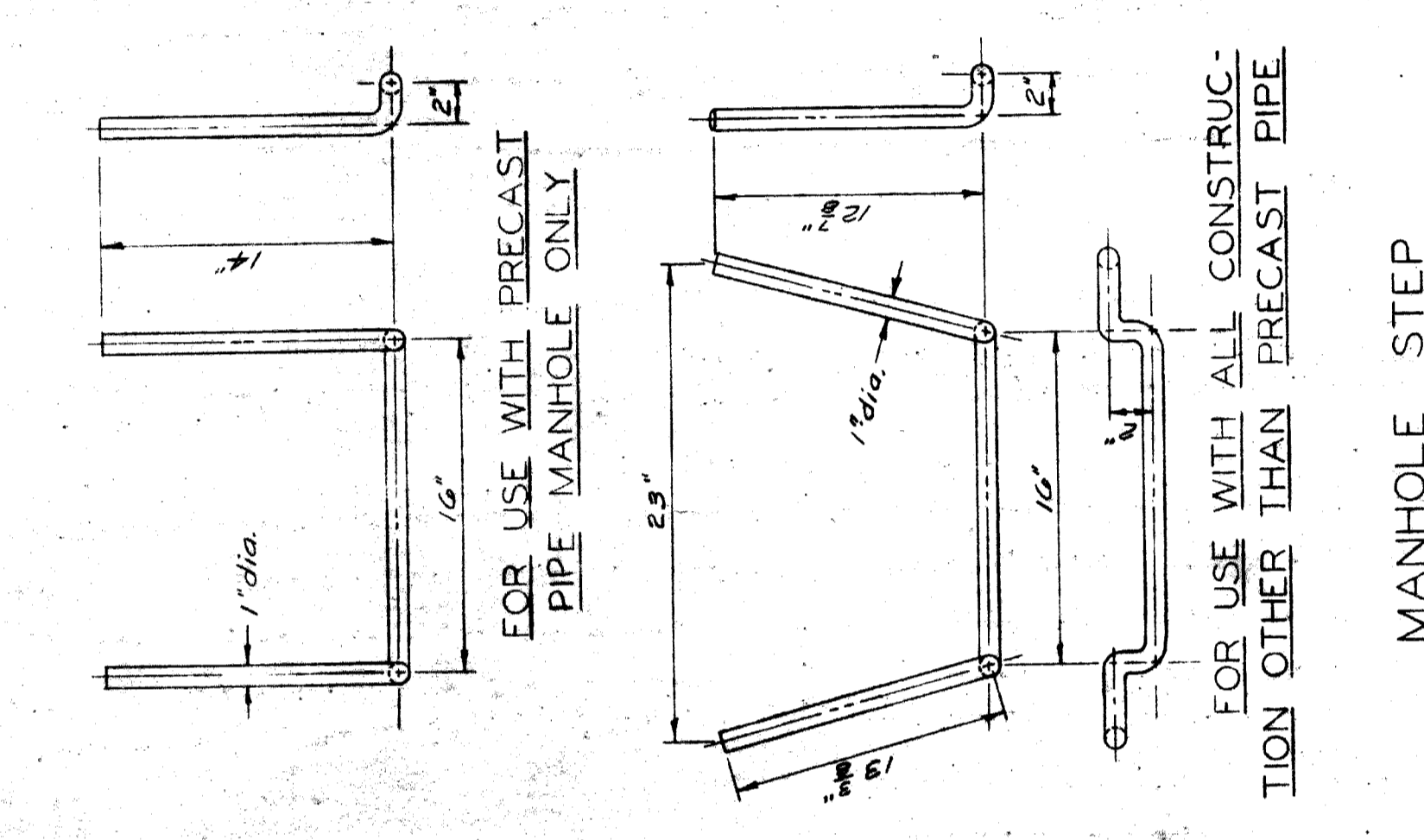


PRECAST M.H. ON SMALL SEWER  
 BLOCK DETAIL  
 SCALE: 1/2" = 1'-0"  
 (MANHOLE 20 AD)

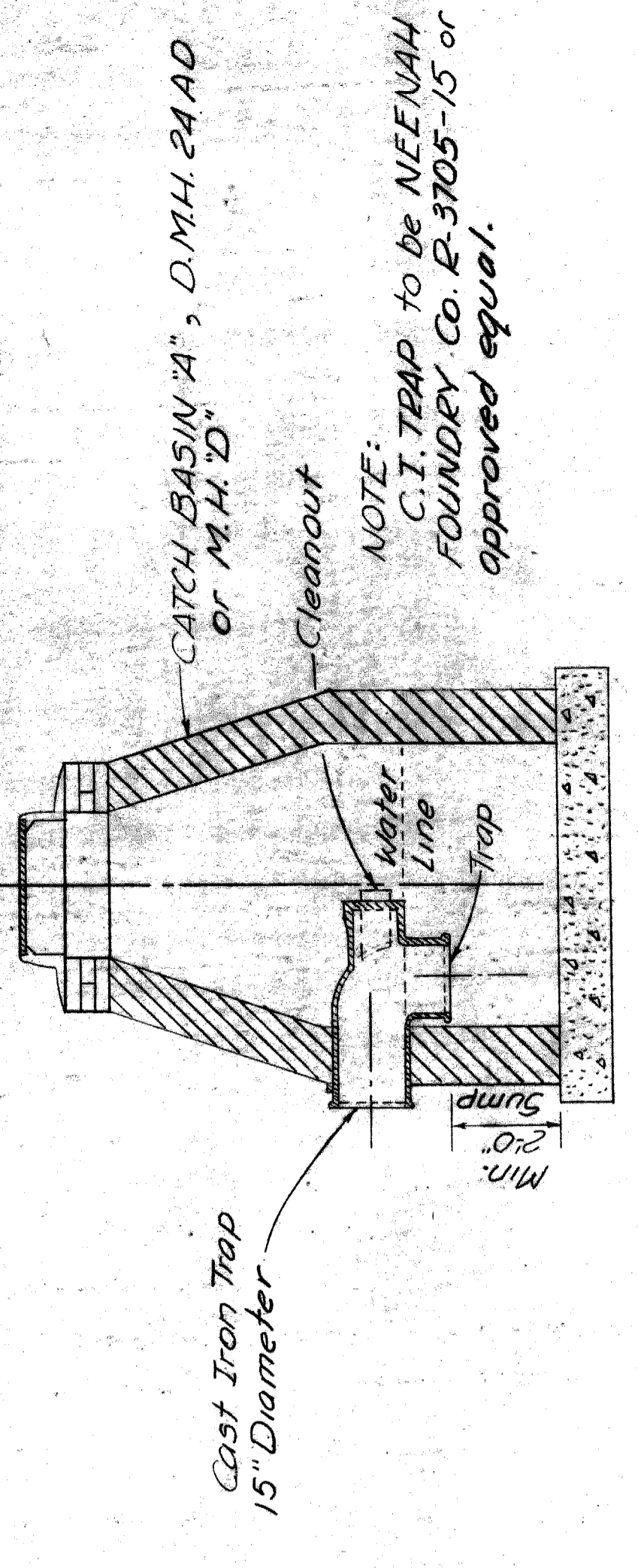
ALTERNATE CONSTRUCTION  
 SCALE: 1/2" = 1'-0"  
 (MANHOLE 20 AD)



BOTTOM VIEW OF COVER  
 SCALE: 1/2" = 1'-0"

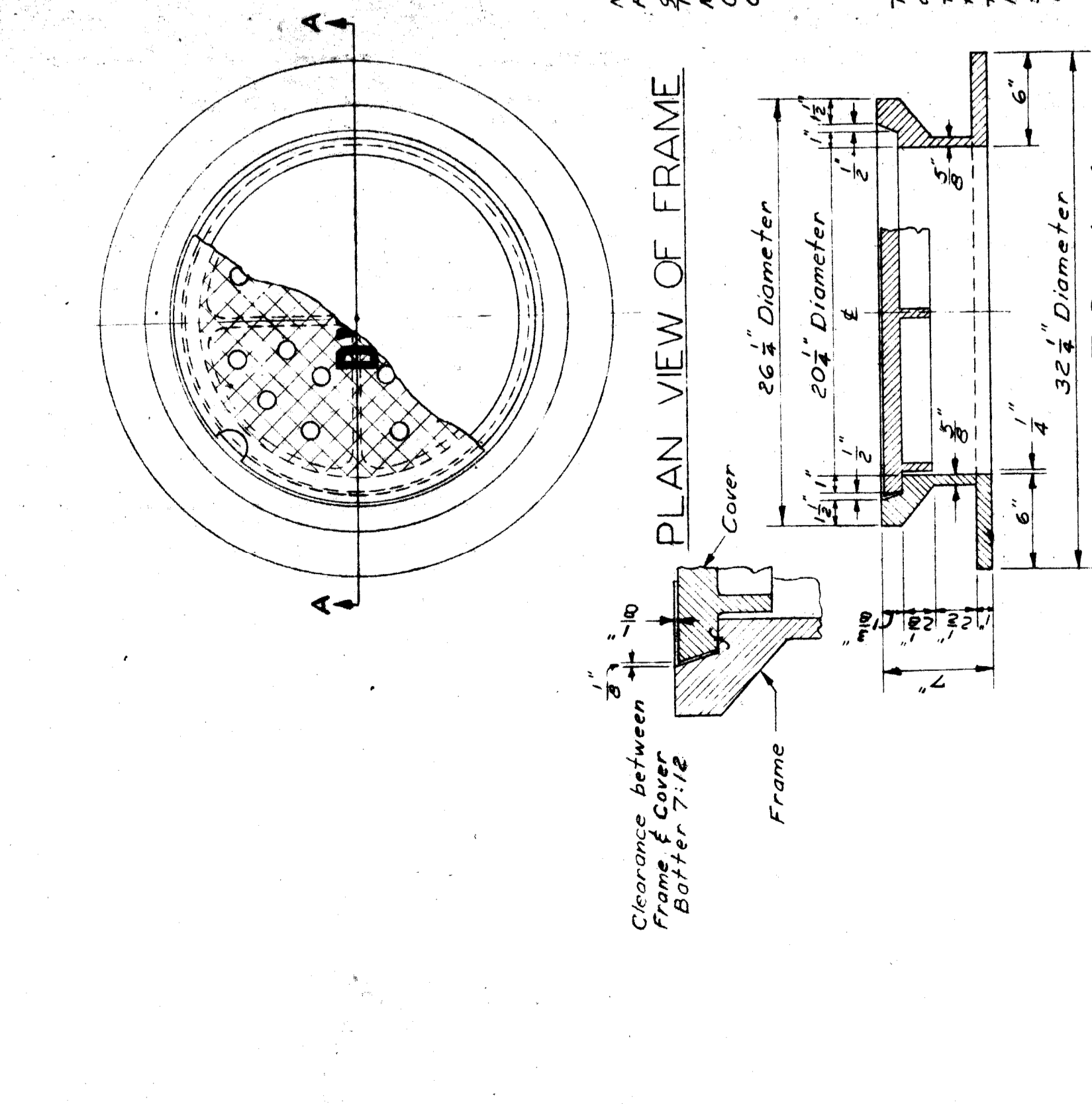


MANHOLE STEP  
 SCALE: 1/2" = 1'-0"



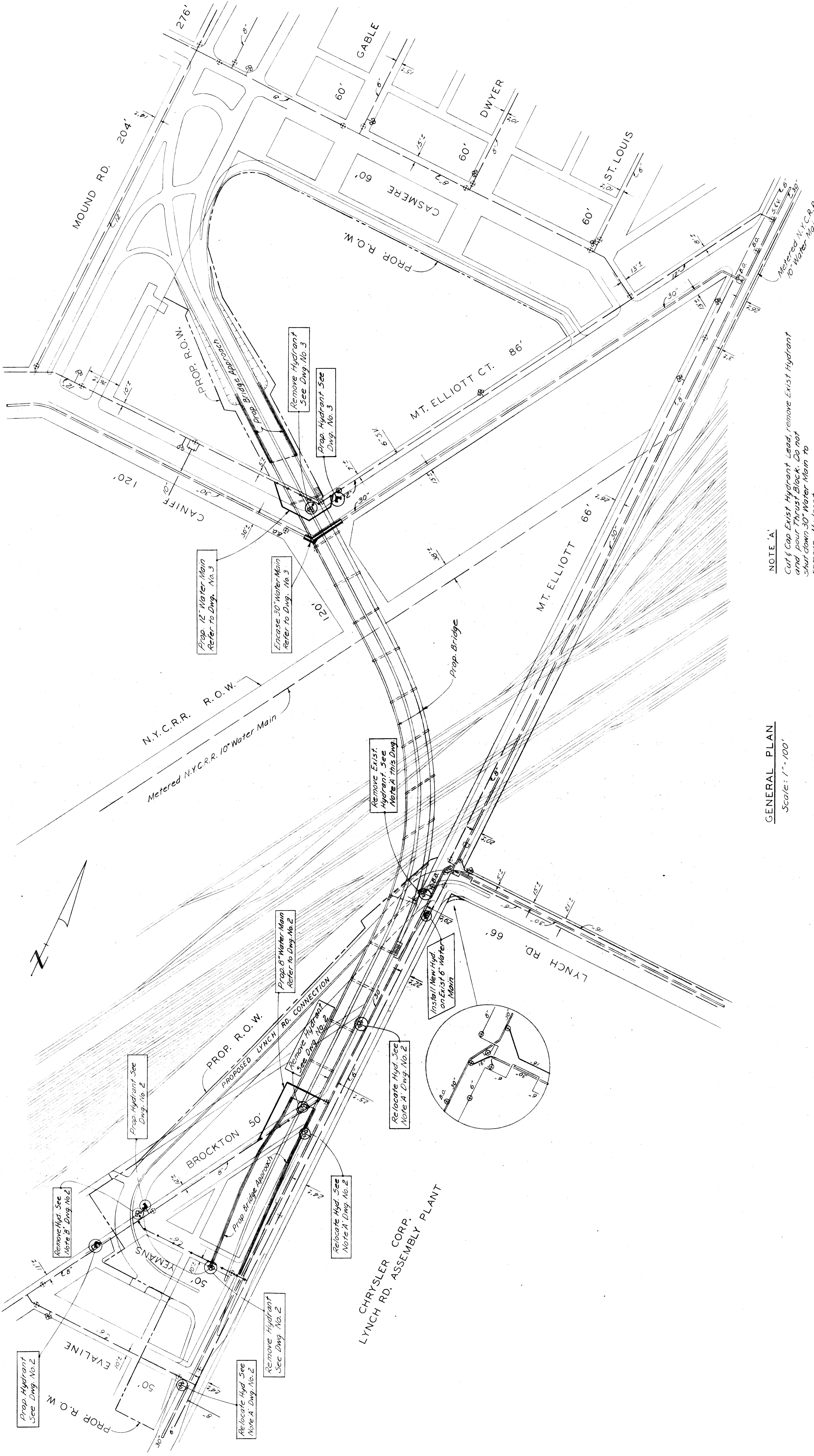
SPECIAL CAST IRON TRAP DETAIL  
 NOT TO SCALE

NOTES:  
 1. GRADE "X" CONCRETE BACKFILL OR OPTIONAL MASONRY RIER SUPPORT SHALL BE CONSTRUCTED UNDER ALL UNSUPPORTED CONNECTIONS INTO MANHOLES.  
 2. MANHOLES BUILT OF BRICK OR CONCRETE BLOCK, MASONRY SHALL BE COATED ON THE OUTSIDE WITH MORTAR, 1/2" THICK



PLAN VIEW OF FRAME  
 SECTION A-A

BOARD OF <b>WAYNE COUNTY ROAD COMMISSIONERS</b> DETROIT, MICHIGAN WILLIAM E. KREGER MICHAEL BERRY		PLANS PREPARED BY CITY OF DETROIT MOUNT ELLIOTT - MOUND ROAD GRADE SEPARATION CITY OF DETROIT MANHOLE STANDARDS		COUNTY JOB <b>246</b>
APPROVED ENGINEER OF STRUCTURES AND EXPRESSWAYS  PHILIP J. NEUDECK		APPROVED CITY ENGINEER  WILLIAM E. KREGER		STATE PROJECT ROAD
TRACED BY CHECKED BY DATE		TRACED BY CHECKED BY DATE		SHEET NO. <b>121</b>
REVISIONS		ISSUE NO. 1 DATE 5-13-65		COUNTY JOB <b>246</b>



GENERAL PLAN  
Scale: 1" = 100'

NOTE 'A'  
Cut & Cap Exist Hydrant Lead, remove Exist Hydrant and pour Thrust Block. Do not shut down 30" Water Main to remove Hydrant.

23-0823-P

CITY OF DETROIT  
DEPARTMENT OF WATER SUPPLY

CHECKED BY: [Signature] DATE: 5-13-68  
APPROVED BY: [Signature] DATE: 5-13-68  
DRAWING NO. 1 OF 4

JOB NO. D-878  
STATE PROJECT  
COUNTY JOB

MT. ELLIOTT-MOUND RD. GRADE SEPARATION  
WATER SYSTEM ALTERATIONS  
GENERAL PLAN

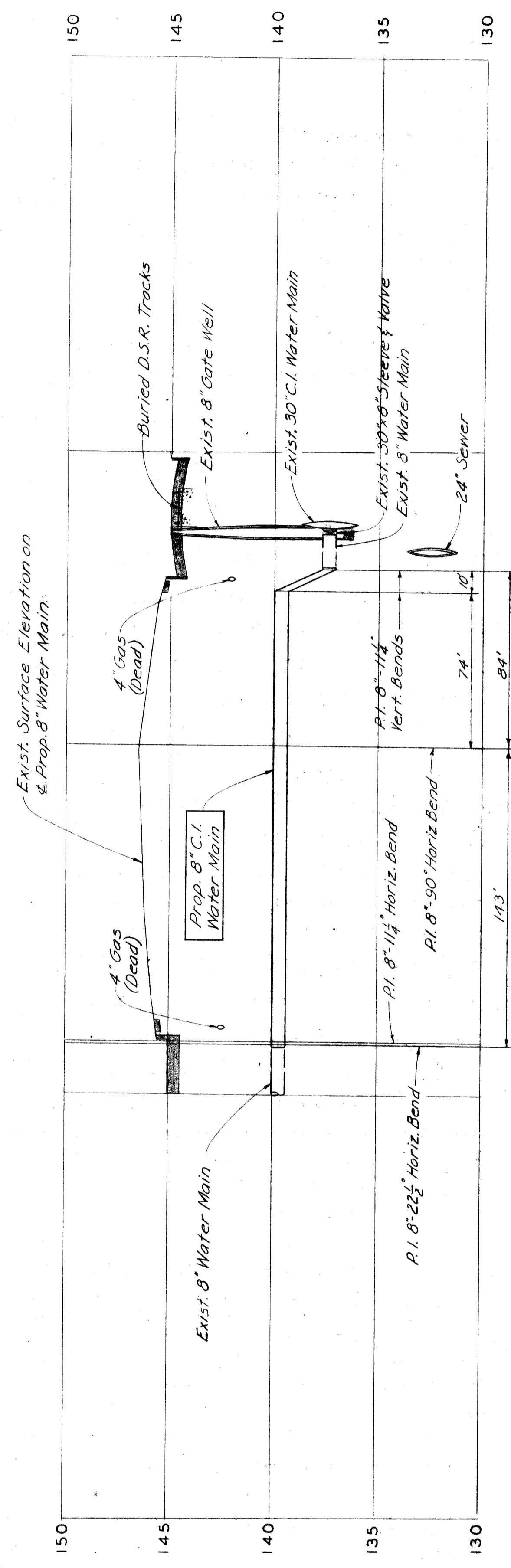
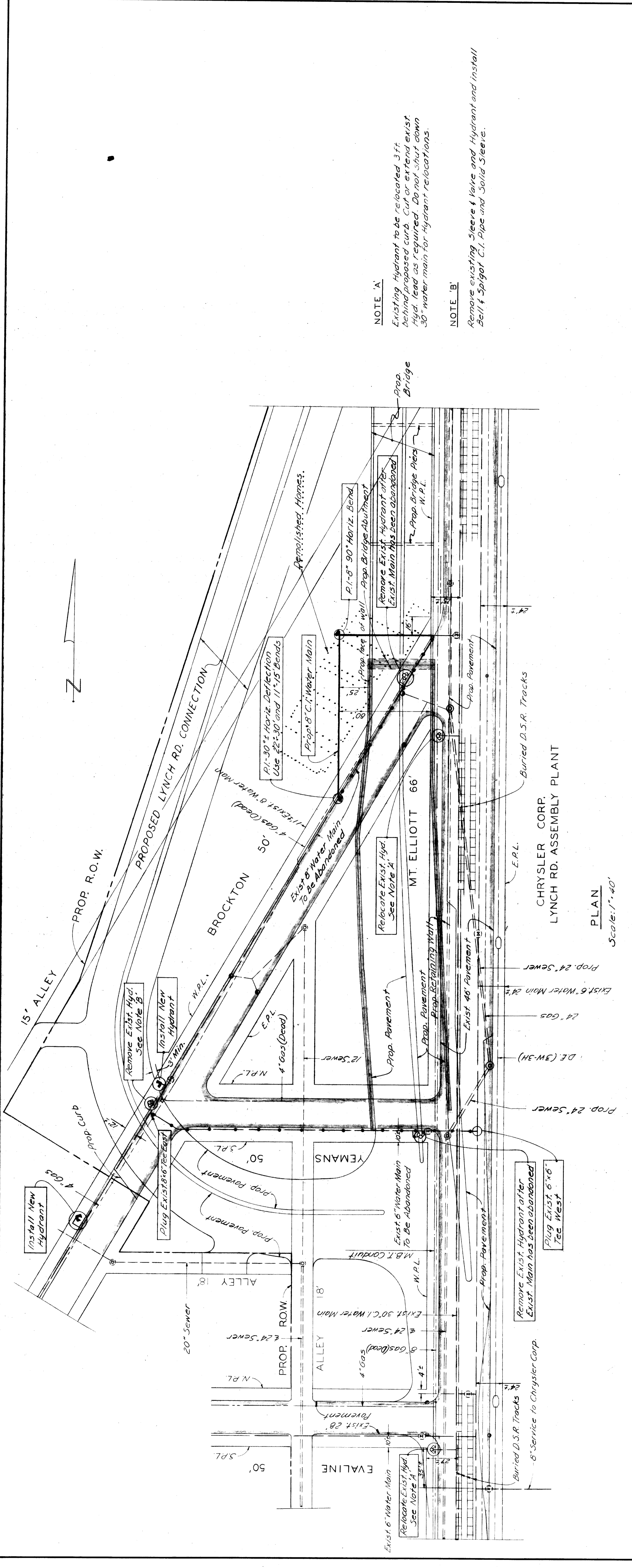
BOARD OF  
WAYNE COUNTY ROAD COMMISSIONERS  
DETROIT, MICHIGAN  
WILLIAM E. KREGER  
AL BARBOUR

APPROVED  
[Signature]  
ENGINEER OF STRUCTURES AND EXPRESSWAYS  
APPROVED BY: [Signature]  
COUNTY ENGINEER

DATE: 5-9-68  
CHECKED BY: [Signature]  
CORRECTED BY: M. J. [Signature]

REVISIONS	DATE	BY
12-67		
3-6-68		

XO 107



PROFILE OF PROPOSED 8" WATER MAIN  
 Scale: Horiz. 1" = 40'  
 Vert. 1" = 4'

**NOTE 'A'**  
 Existing Hydrant to be relocated 3 ft behind proposed curb. Cut or extend exist. Hydr. lead as required. Do not shut down 30" water main for hydrant relocations.

**NOTE 'B'**  
 Remove existing Steere Valve and Hydrant and install Bell & Spigot C.I. Pipe and Solid Steere.

**PLAN**  
 Scale: 1" = 40'

23-0 & 23-P  
 CITY OF DETROIT  
 DEPARTMENT OF WATER SUPPLY  
 PROJECT: M.T. ELLIOTT - MOUND RD. GRADE SEPARATION WATER SYSTEM ALTERATIONS  
 DRAWING NO. 2 OF 4  
 STATE PROJECT COUNTY JOB  
 J.F. NO. D-878  
 ISSUE NO. 1 SHEET NO. 123  
 DATE 5-13-68

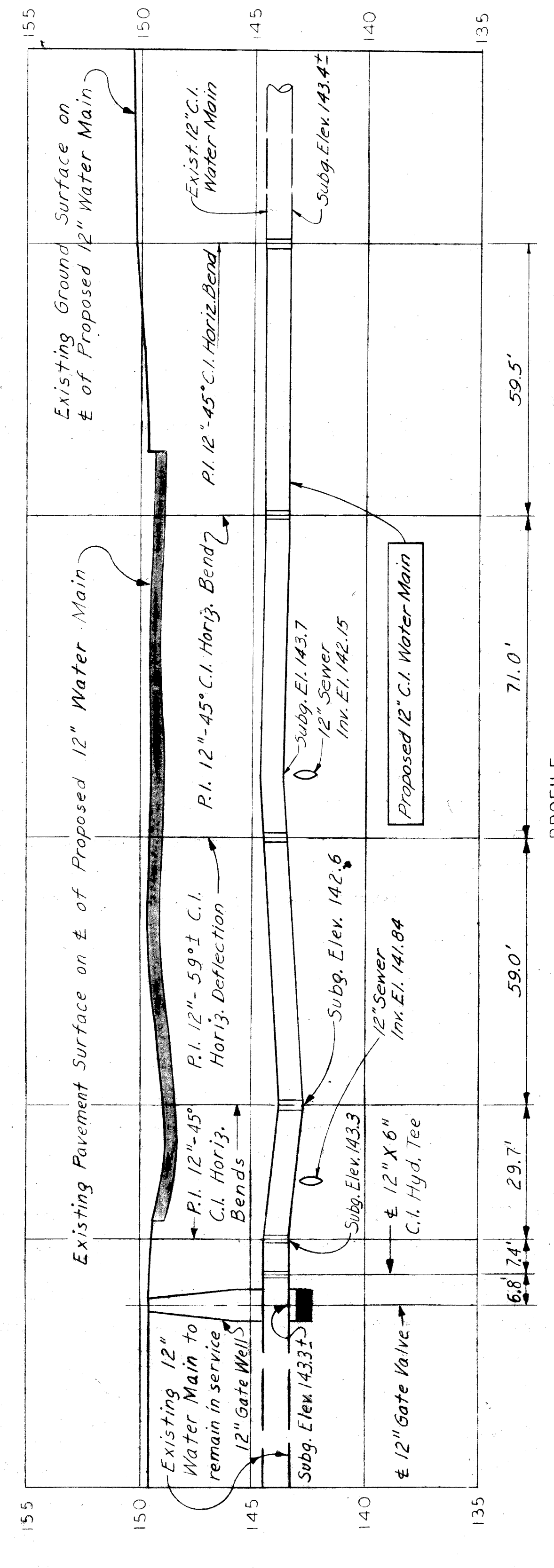
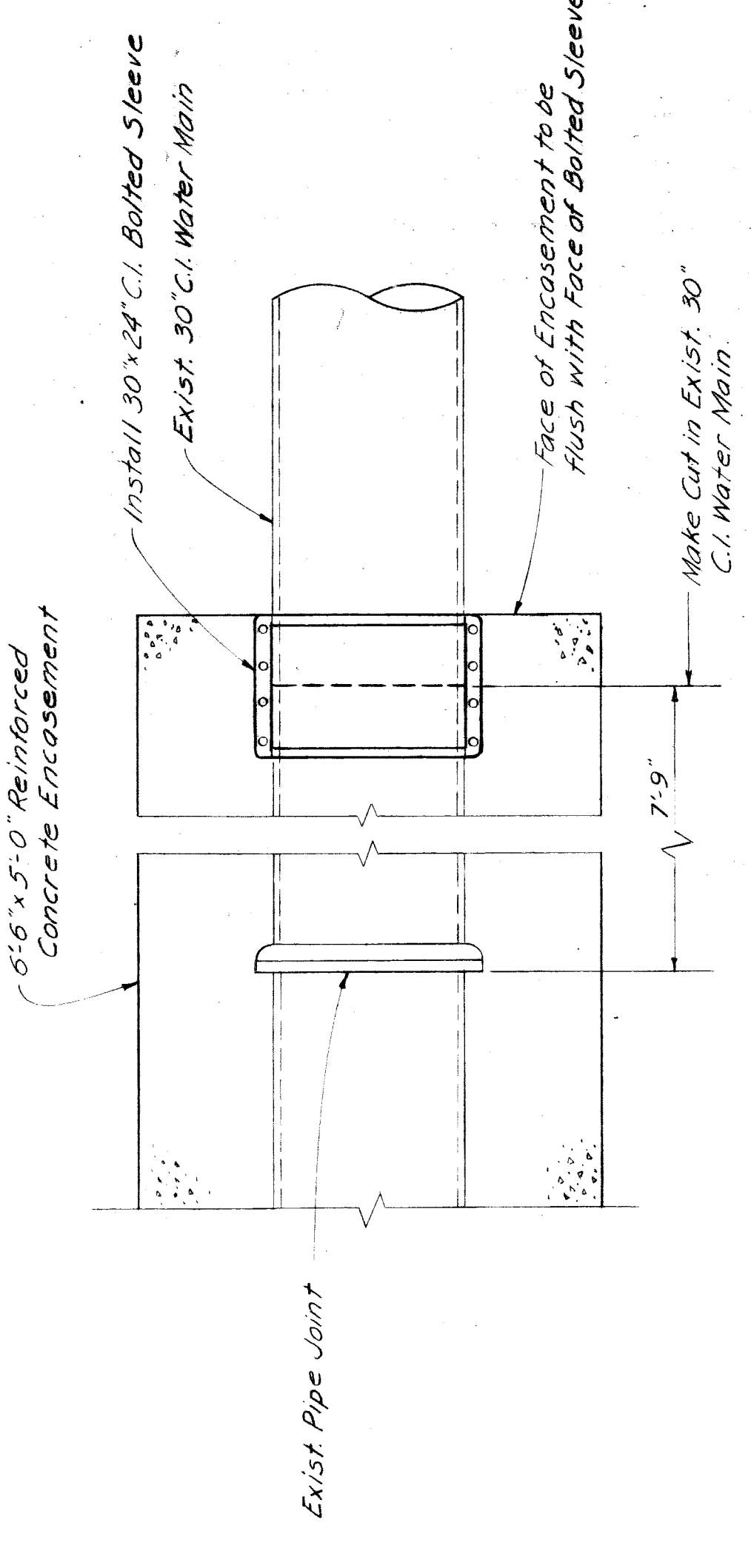
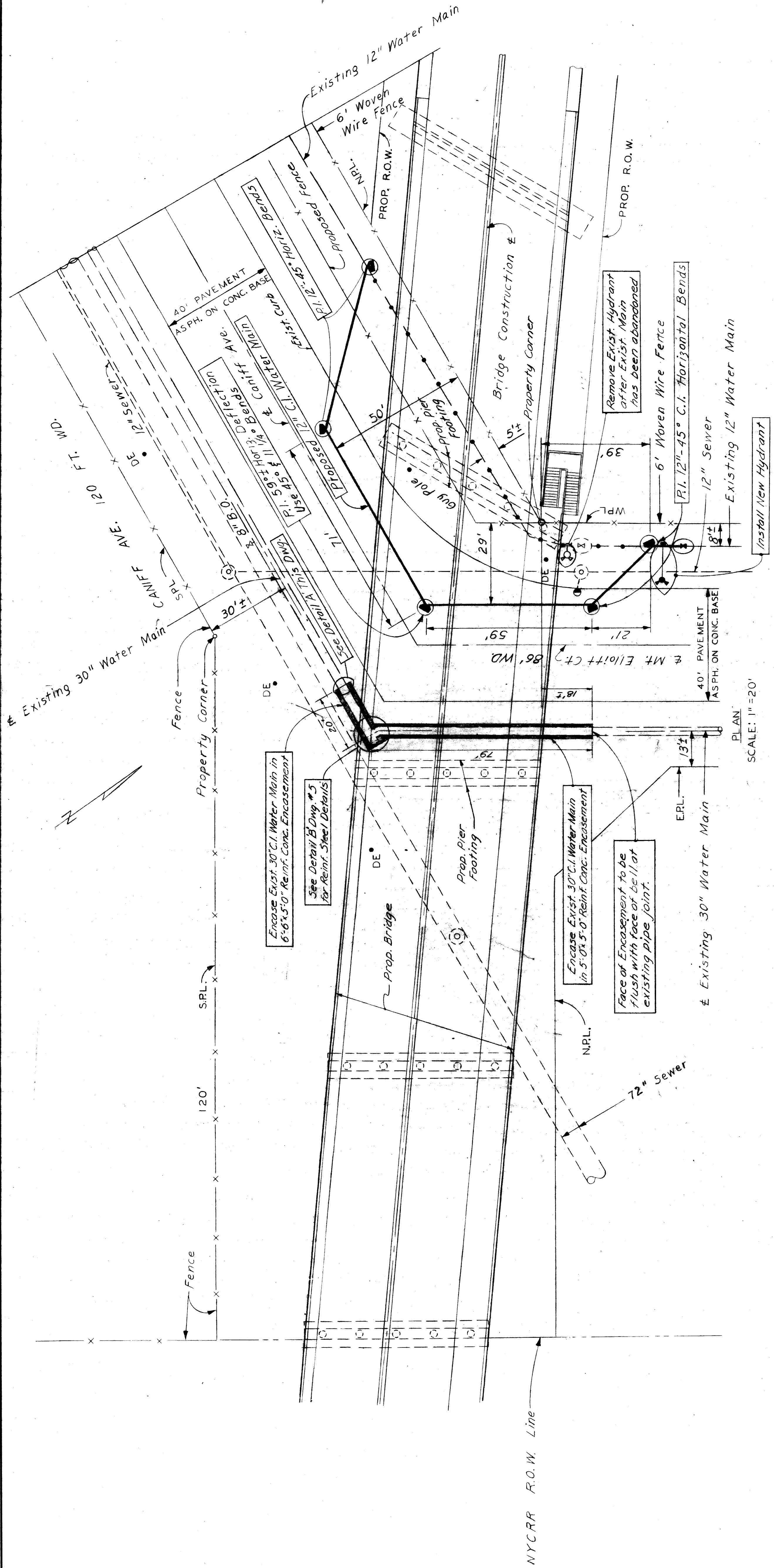
BOARD OF  
**WAYNE COUNTY ROAD COMMISSIONERS**  
 DETROIT, MICHIGAN  
 PHILIP J. NEUDECK  
 WILLIAM E. KREGER  
 AL BARBOUR

APPROVED: [Signature]  
 ENGINEER OF STRUCTURES AND EXPRESSWAYS  
 APPROVED: [Signature]  
 COUNTY ENGINEER  
 CHECKED BY: [Signature] DATE: 5-13-68  
 TRACED BY: [Signature]  
 CORRECTED BY: [Signature]  
 ENGINEER OF DESIGN, STRUCTURE AND EXPRESSWAYS

REVISIONS	DATE	BY	DESCRIPTION
1	5-13-68	R.J.H.	AS SHOWN

X0107





DETAIL 'A'  
Scale: 1/2" = 1'-0"

PROFILE  
HORIZ. 1" = 20'  
VERT. 1" = 4'

23-0 & 23-P

CITY OF DETROIT  
DEPARTMENT OF WATER SUPPLY

CHECKED BY: *M. J. Heudeck*  
DATE: 1/26/68

APPROVED BY: *Philip J. Heudeck*  
DATE: 3-6-68

DRAWING NO. 3 OF 4  
JOB NO. D-878  
COUNTY JOB

BOARD OF  
WAYNE COUNTY ROAD COMMISSIONERS  
DETROIT, MICHIGAN  
PHILIP J. HEUDECK  
WILLIAM E. KREGER  
AL BARBOUR

STATE PROJECT  
COUNTY JOB

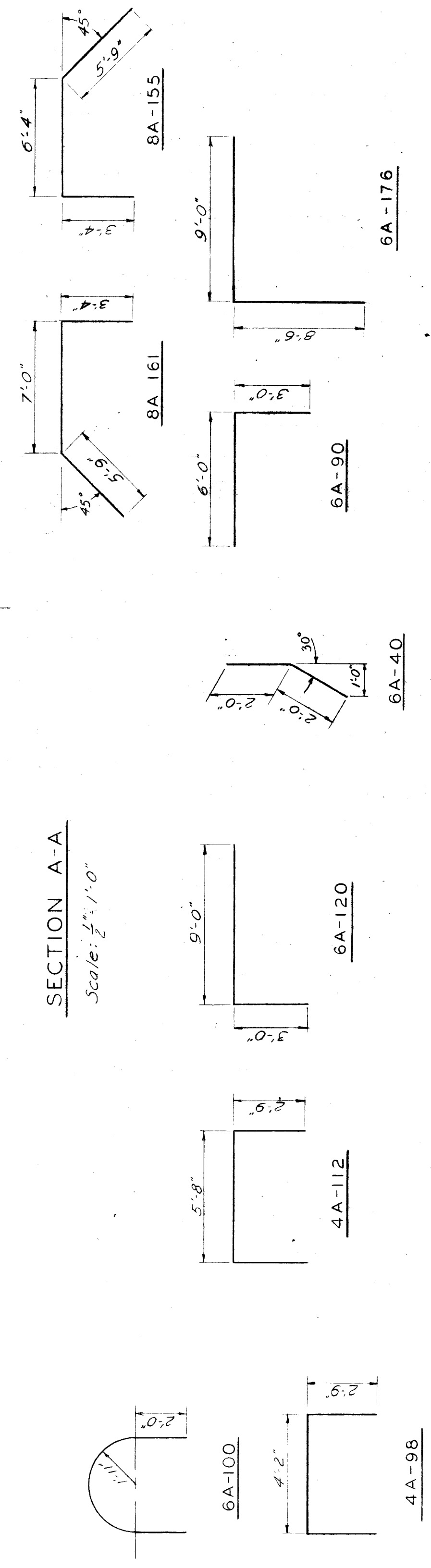
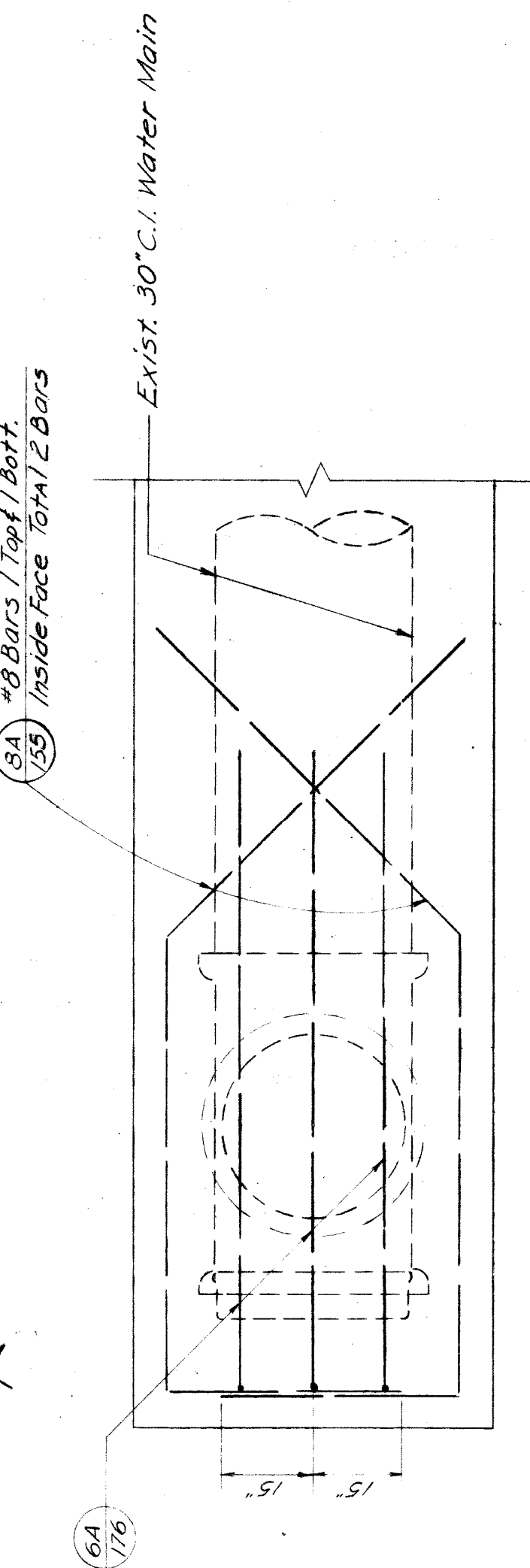
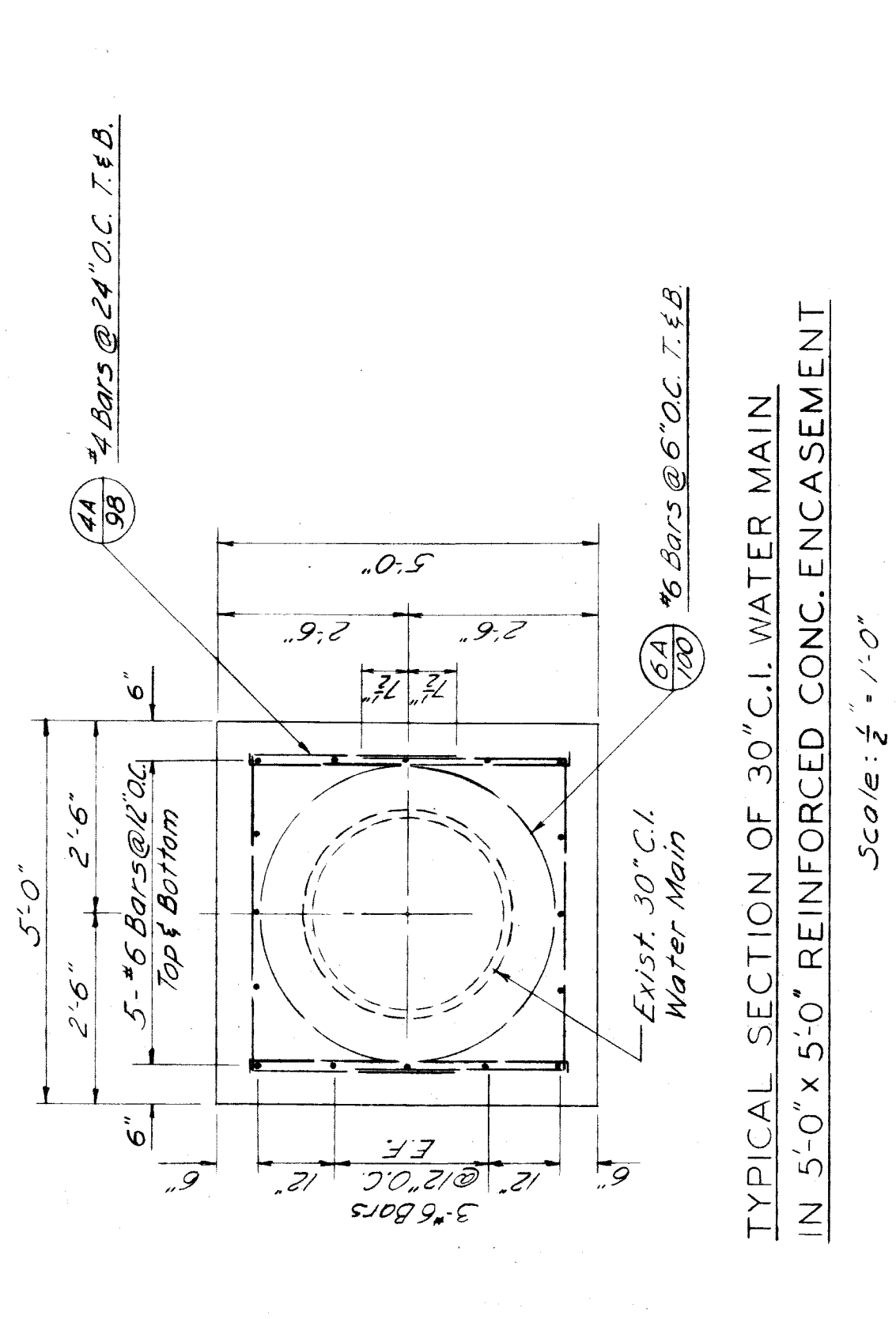
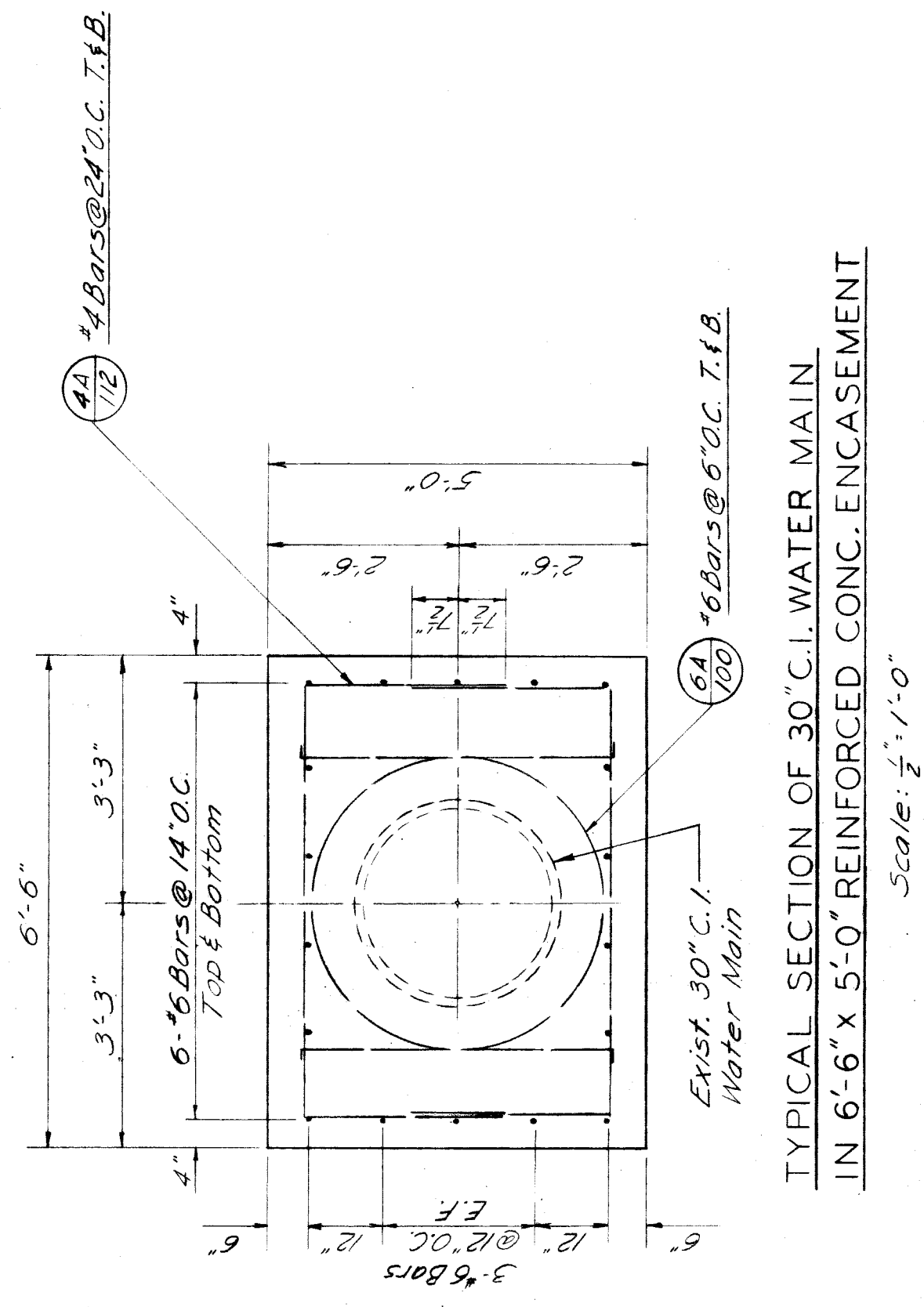
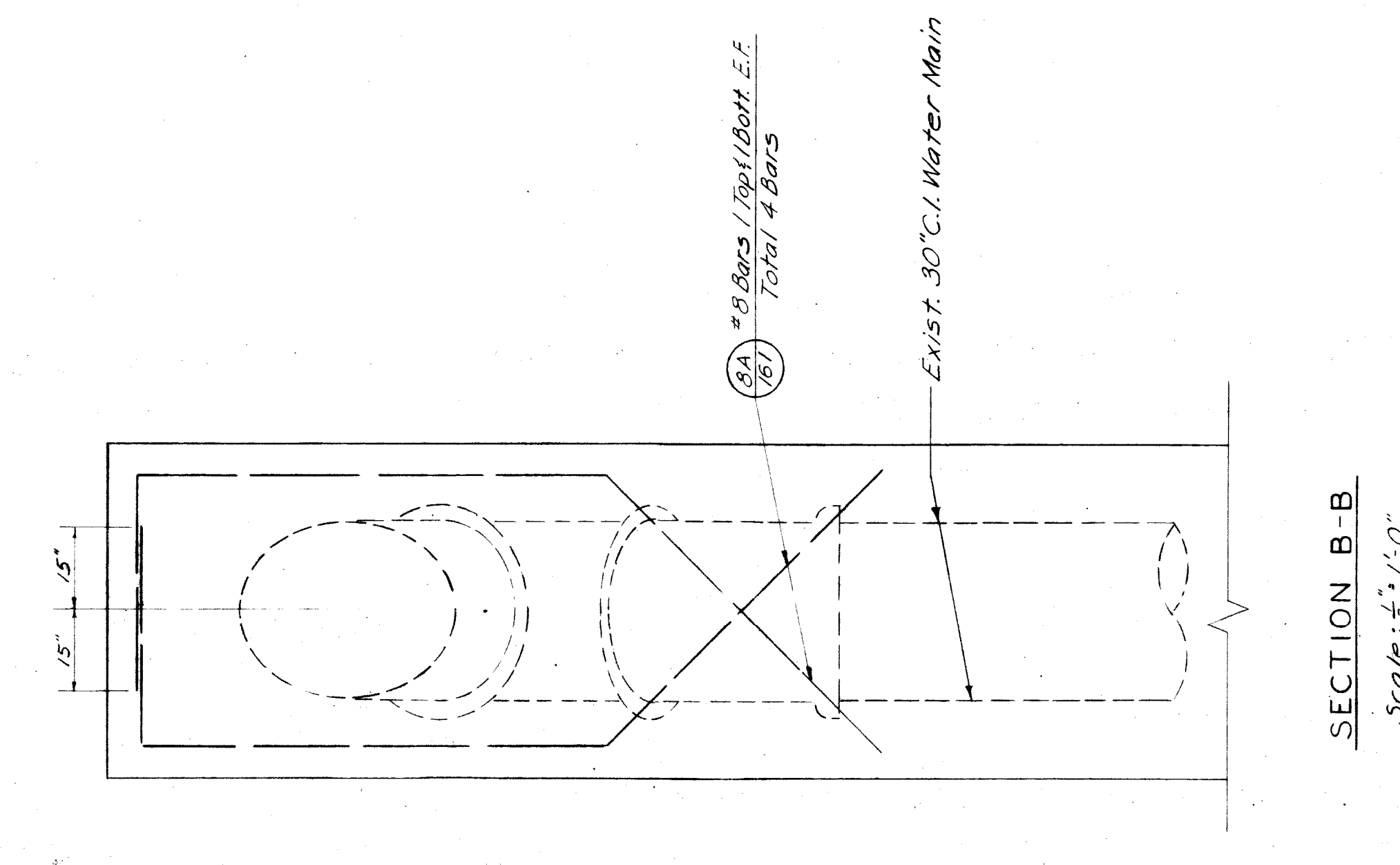
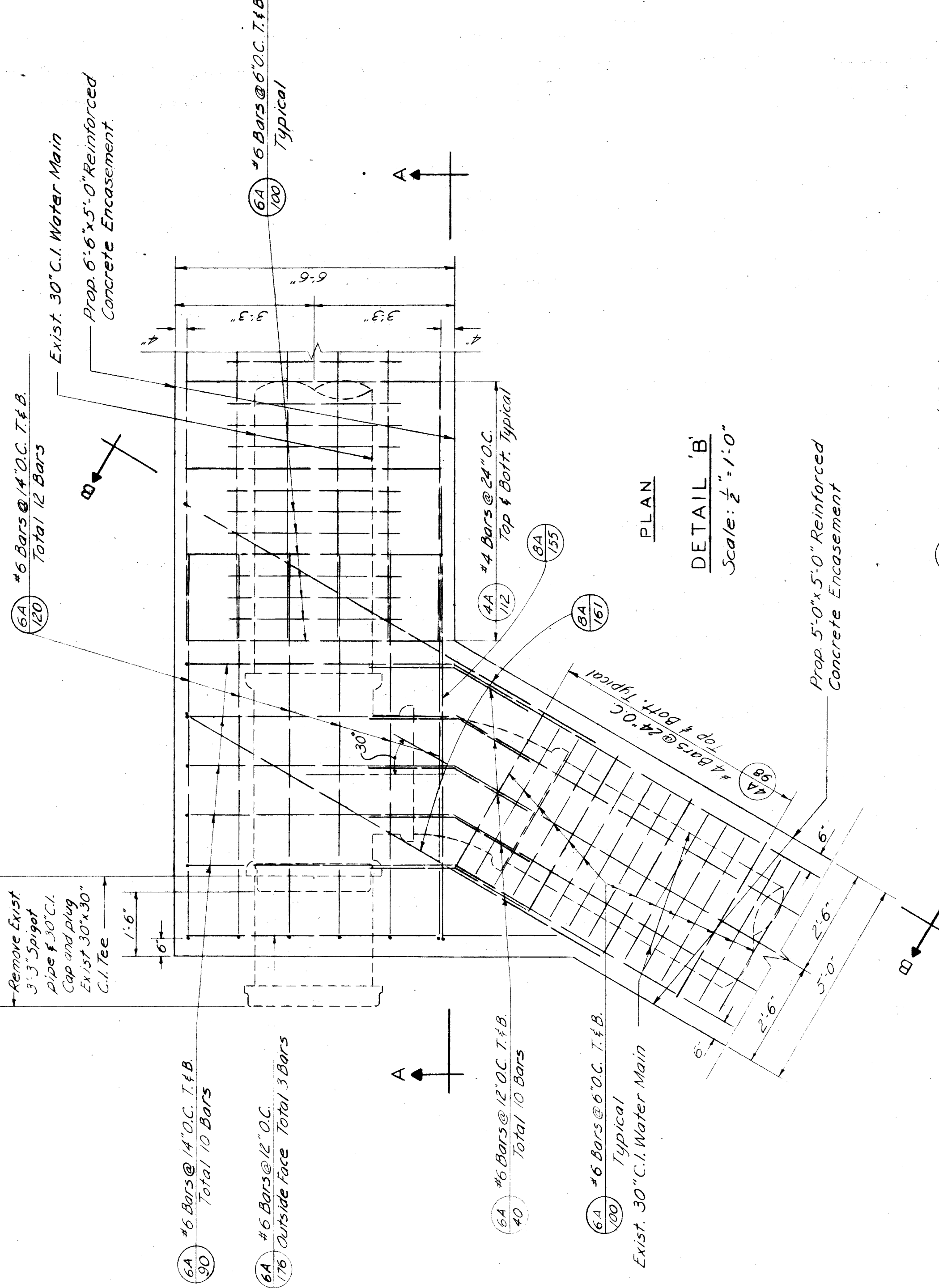
MT. ELLIOTT - MOUND RD. GRADE SEPARATION  
WATER SYSTEM ALTERATIONS  
PROPOSED ENCASEMENT OF EXIST. 30-INCH WATER MAIN AND  
PROPOSED 12-INCH WATER MAIN IN MT. ELLIOTT CT. AND CANIFF

ISSUE NO. *1*  
DATE: 5-23-68

REVISIONS  
1-2-67  
2-6-68

SHEET NO. *124*  
DATE: 5-23-68

X0107



Mark	No.	Size	Length	Weight lbs.	Remarks
4A-98	78	#4	9'-8"	504	Bent
4A-112	18	#4	11'-2"	134	"
6A-40	10	#6	4'-0"	60	"
6A-90	10	#6	9'-0"	135	"
6A-100	374	#6	10'-0"	5,617	"
6A-120	12	#6	12'-0"	216	"
6A-176	3	#6	17'-6"	79	"
8A-155	2	#8	15'-5"	82	"
8A-161	4	#8	16'-1"	172	"
Straight	18	#6	16'-5"	444	For 6\"/>
"	48	#6	20'-0"	1,442	For 5\"/>
"	16	#6	22'-7"	543	For 5\"/>
<b>Total Weight</b>					<b>9428 lbs.</b>

**REVISIONS**

NO.	DATE	BY	REVISION
1	12-17	R.T.D.	
2	12-18	R.T.D.	

**APPROVED**

BOARD LEADER: *[Signature]*  
 COUNTY ENGINEER: *[Signature]*  
 ENGINEER OF DESIGN, STRUCTURE AND HIGHWAYS: *[Signature]*  
 COUNTY ENGINEER: *[Signature]*

**WAYNE COUNTY ROAD COMMISSIONERS**  
 DETROIT, MICHIGAN

AL BARBOUR  
 COUNTY ENGINEER

PHILIP J. NEUBECK  
 COUNTY ENGINEER

WILLIAM E. KREGER  
 COUNTY ENGINEER

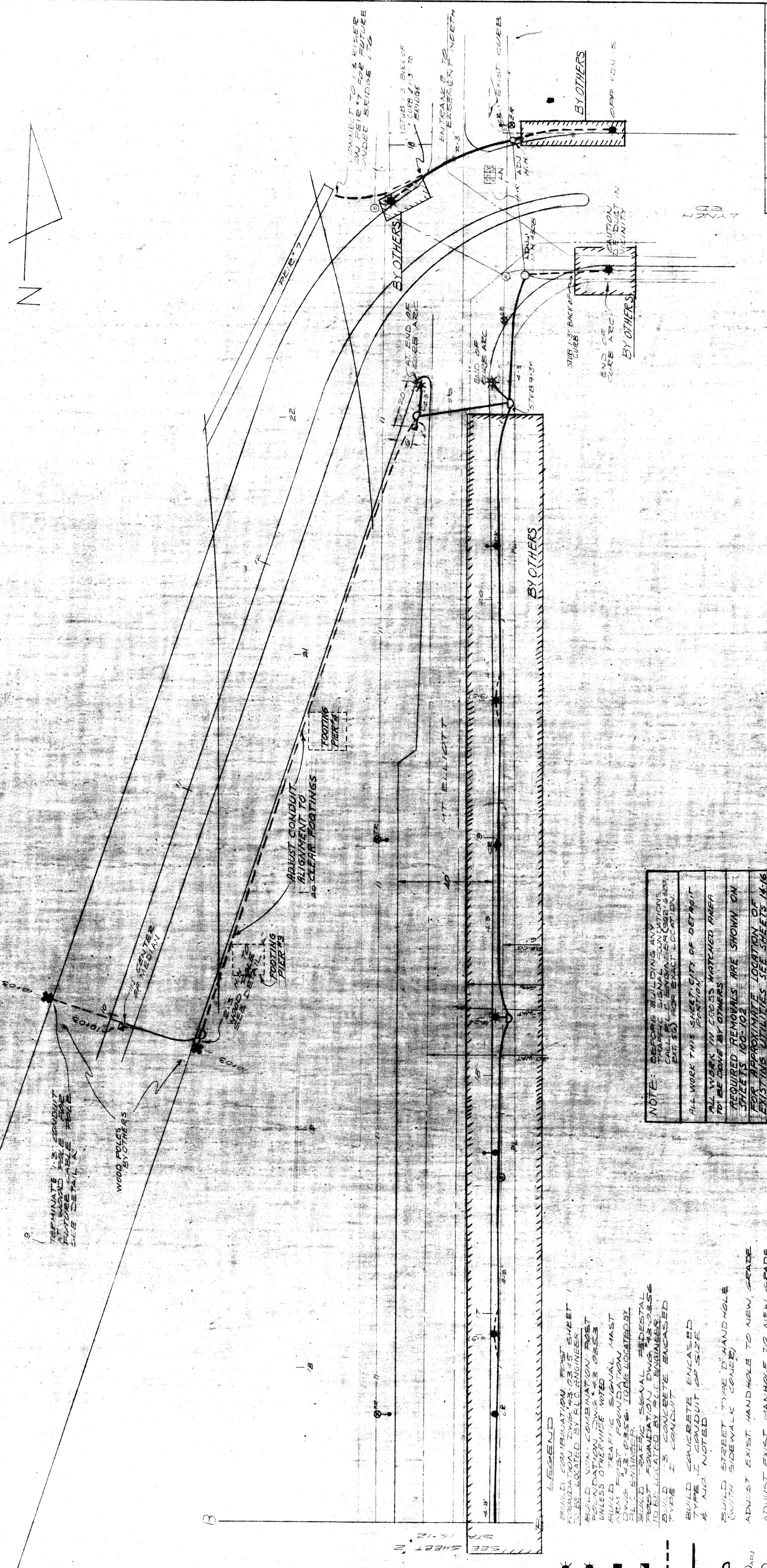
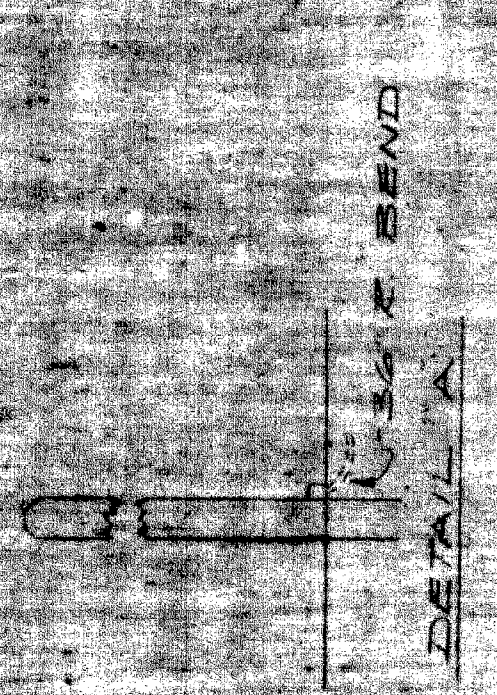
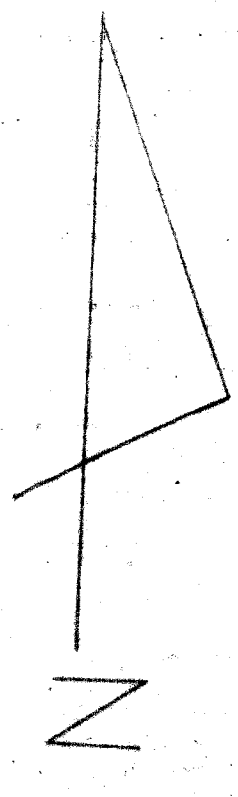
**CITY OF DETROIT**  
**DEPARTMENT OF WATER SUPPLY**

STATE PROJECT: COUNTY JOB: D-878  
 JOB NO. 4 OF 4  
 DATE: 5/23/88

MT. ELLIOTT - MOUND RD. GRADE SEPARATION  
 WATER SYSTEM ALTERATIONS  
 REINFORCEMENT STEEL DETAILS

SHEET NO. 125  
 ISSUE NO. 1

X0107



NOTE: BEFORE BUILDING UTILITIES CALL ALL ENGINEERS (SEE 620) EXCEPT FOR EXACT LOCATION.

ALL WORK THIS SHEET CITY OF DETROIT PORTION

ALL WORK IN CROSS MATCHED AREA TO BE DONE BY OTHERS

REQUIRED REMOVALS ARE SHOWN ON SHEETS 100-102

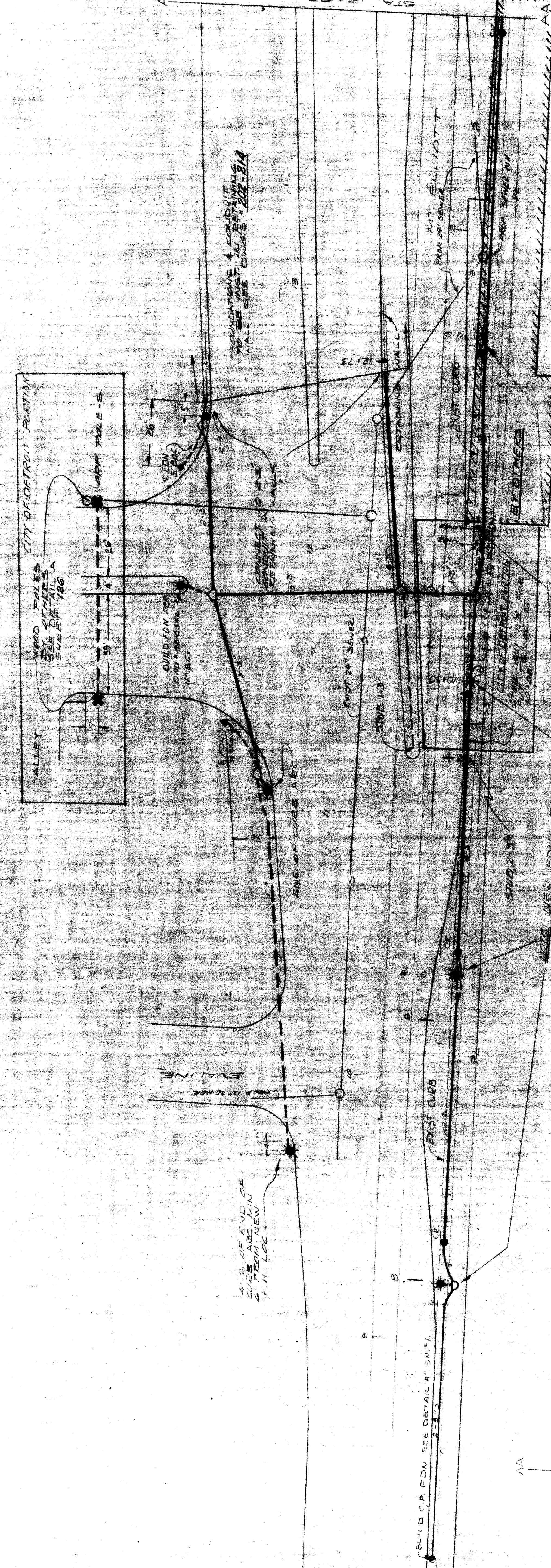
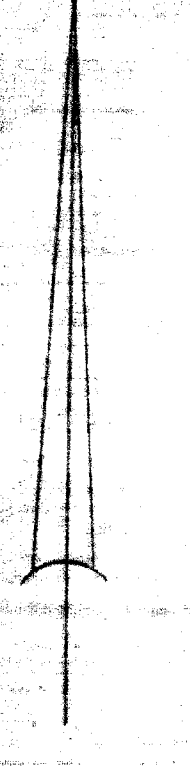
FOR APPROXIMATE LOCATION OF EXISTING UTILITIES SEE SHEETS 14-16

- LEGEND**
- BUILD CONCRETE ENCASED TYPE I CONDUIT OF SIZE & NO. NOTED
  - BUILD STREET TYPE D MANHOLE (WITH SIDEWALK CONER)
  - ADJUST EXIST. MANHOLE TO NEW GRADE
  - ADJUST EXIST. MANHOLE TO NEW GRADE
  - PLC. POLES & ASSOC. EQUIP TO BE REMOVED BY RL2
  - BUILD TRAFFIC SIGNAL STRAIN POLE (SEE FOUNDATION DWG. 43-025) TO BE SUPPLIED AT TIME OF INSTALLATION (LOCATION LOCATED BY PLC ENGINEER)
  - SET 4.5" WOOD POLE BY OTHERS

DATE	DESCRIPTION	DRW. BY	DATE	FILE NO.
		MONRO	5-12-68	510422
		CHKD BY: J.N.		SHEET NO. 22
		APPROVED BY: B.Z.		DATE 1-5-68
STATE PROJECT		PUBLIC LIGHTING		
COUNTY JOB		COMMISSION		
BRIDGE		CITY OF DETROIT		
ROAD				
STATE FILE				
MT. ELLIOTT - MOUND RD				
GRADE SEPARATION				

X0107

SCALE 1/2" = 1'-0"



ITEM	QUANTITIES	BY OTHERS
NON-COMBINATION POST FDM	7	21
COMBINATION POST FDM	2	2
TRAFFIC SIGNAL W/ POST FDM	1	5
TRAFFIC SIGNAL PEDESTAL POST FOUNDATION	2	5
TRAFFIC SIGNAL STEAM TRAP FOUNDATION	2	2
1\"/>		

STATE FILE	BRIDGE	ROAD

STATE PROJECT COUNTY JOB  
 ISSUE NO. 7 SHEET NO.  
 DATE 2/2/68

MT ELLIOTT - MOUND RD  
 GRADE SEPARATION

P.L.C. ELECTRICAL UNDERGROUND FACILITIES

PUBLIC LIGHTING COMMISSION CITY OF DETROIT  
 DRAWN BY: MOWRO  
 CHECKED BY: [Signature]  
 DATE: 1-5-68  
 SCALE: 1" = 20'  
 X0107

