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FEDERAL ROAD DIVISION NO.	STATE	U.I. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	265(8)	1951	1	97

SECTION:-

**STATE OF INDIANA
STATE HIGHWAY COMMISSION**

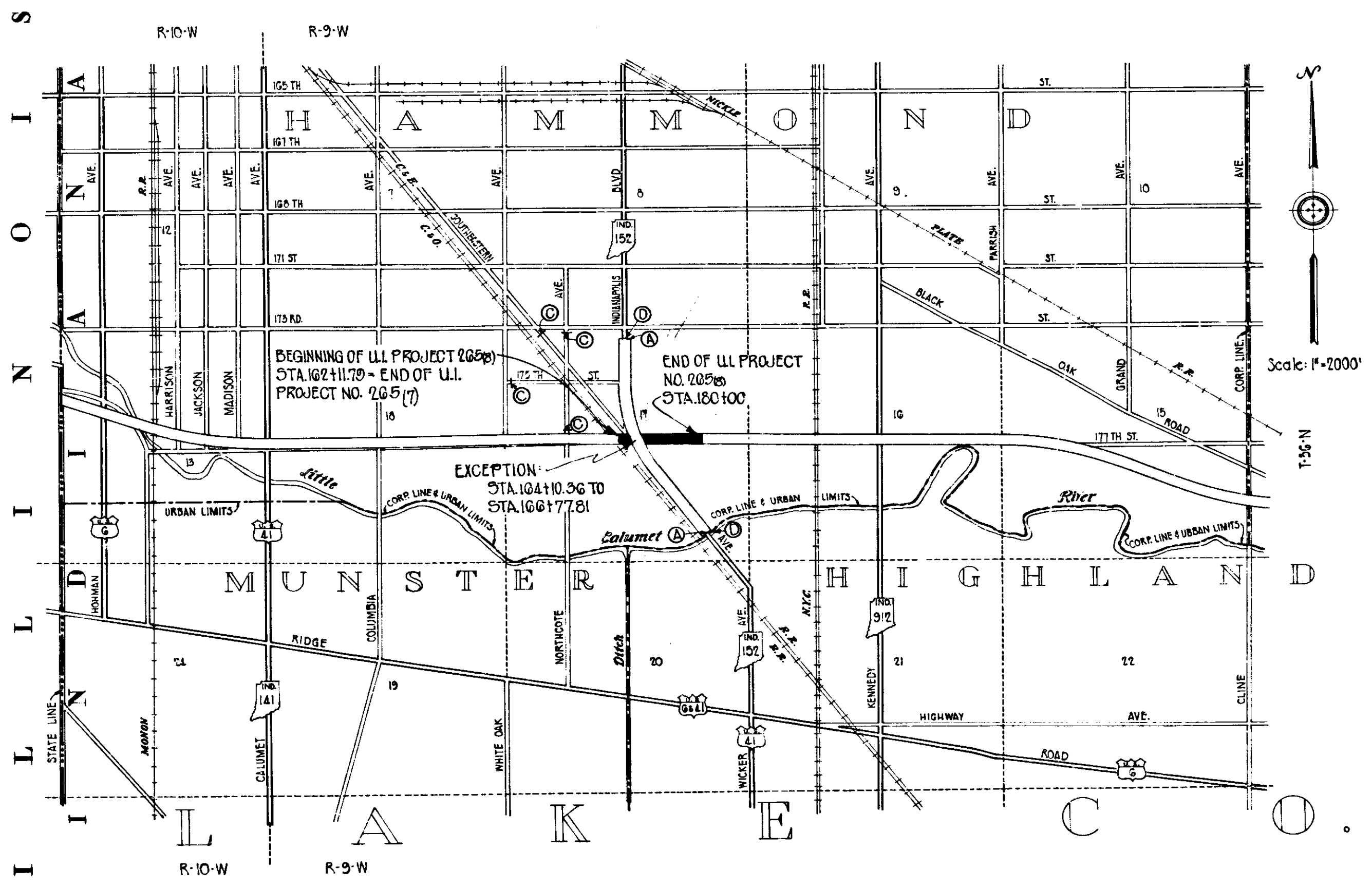
**PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
U.I. PROJECT NO. 265(8)
TRI-STATE HIGHWAY**

BEGINNING AT A POINT APPROXIMATELY 2496.49 FT. FROM THE WEST LINE OF SECTION 17-T36N-R9W AND RUNNING IN AN EASTERLY DIRECTION 1783.21 FT. TO A POINT APPROXIMATELY 959.5 FT. WEST OF THE EAST LINE OF SECTION 17-T36N-R9W, ALL IN LAKE COUNTY, INDIANA.

GROSS LENGTH:- 0.338 MI.
NET LENGTH:- 0.288 MI.

PLAN LONG:- 1"=100'
TRANS:- 1"=100'
PROFILE HORIZ:- 1"=100'
VERT:- 1"=10'
MAX. GRADE 3.000%

REVISIONS		
DATE	SHEET NO.	REVISION
1-4-50	8	R/W
12-1-50	14	R/W
9-25-51	8917/2/2122	Construction Change



STATE HIGHWAY COMMISSION OF INDIANA.
STANDARD SPECIFICATIONS DATED 1946
TO BE USED WITH THESE PLANS.

RECOMMENDED FOR APPROVAL 8-14-51
W. F. Roberts
ENGINEER OF ROAD DESIGN, STATE HIGHWAY COMMISSION OF INDIANA

LEGEND
⊙ Barricade Type 'A'
⊙ 115 Signs
⊙ Warning Signs

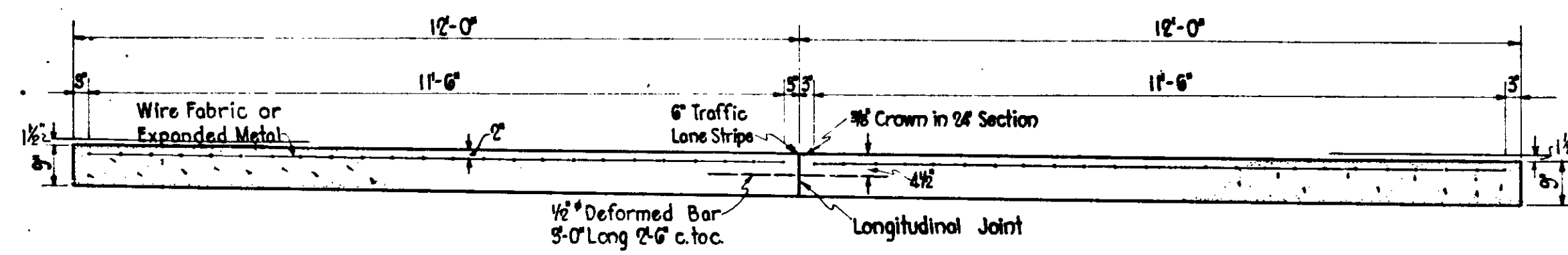
APPROVED AND ADOPTED Aug. 15, 1951
By STATE HIGHWAY COMMISSION OF INDIANA
Samuel G. Hadsten
CHAIRMAN, STATE HIGHWAY COMMISSION OF INDIANA

APPROVED Aug. 15, 1951
Frank H. Bower
CHIEF ENGINEER, STATE HIGHWAY COMMISSION OF INDIANA

RECOMMENDED FOR APPROVAL DATE _____
DISTRICT ENGINEER
BUREAU OF PUBLIC ROADS
DEPT. OF COMMERCE

APPROVED DATE _____
DIVISION ENGINEER
BUREAU OF PUBLIC ROADS
DEPT. OF COMMERCE

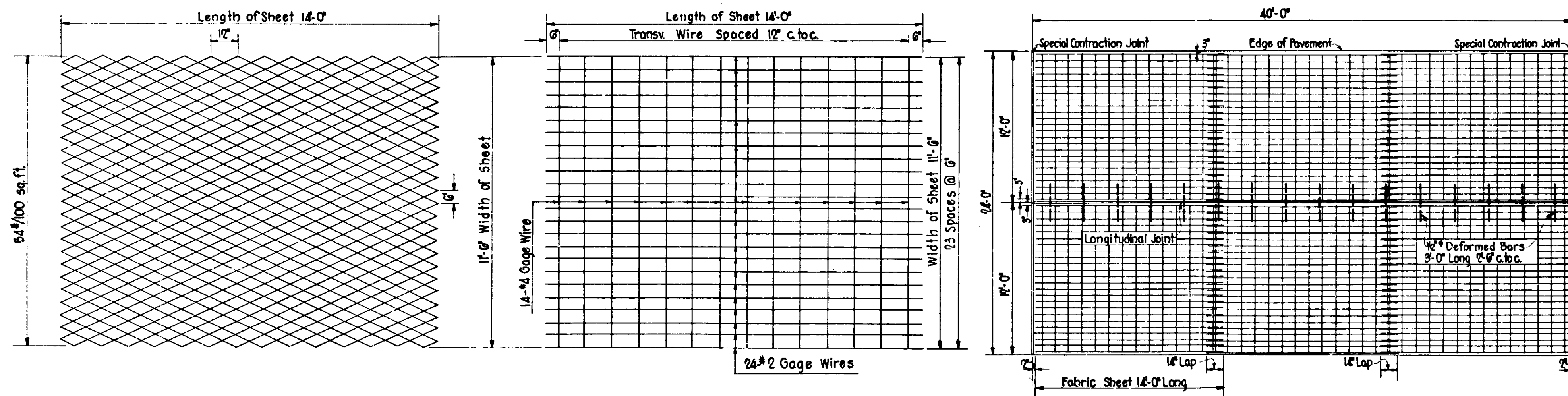
FEDERAL ROAD DIVISION NO.	STATE	C.I. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	265(B)	1951	2	7



REINFORCED CONCRETE PAVEMENT

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

Sta. 162+11.79 to Sta. 164+10.36 } Line "K"
 Sta. 166+77.81 to Sta. 180+00.0 }
 and
 Sta. 63+65 to Sta. 110+00.0 Line "AA"



TYPICAL SHEET EXPANDED WIRE FABRIC
 SCALE: 3/8" = 1'-0"

TYPICAL SHEET WIRE FABRIC
 SCALE: 3/8" = 1'-0"

PLAN OF REINFORCED CONCRETE SLAB
 SCALE: 3/8" = 1'-0"

Pavement Offsets for 24" Pavement to be as shown on Misc. Std Sheet "A" for Half 48" Pavement.

NOTE: Where it be necessary to make a Longitudinal Lap of Fabric Sheet due to Widened Pavement, the Mesh shall be lapped not less than 6"

NOTE: For Widths of Pavement Slabs other than 12'-0" the width of Fabric Sheets shall be 6" less than the width of the slab, with the weight and spacing as shown above.

TYPICAL CROSS SECTIONS

SCALE: AS SHOWN

APPROVED *James C. Harrison* 8/15/51
 CHAIRMAN STATE HIGHWAY COMMISSION OF INDIANA

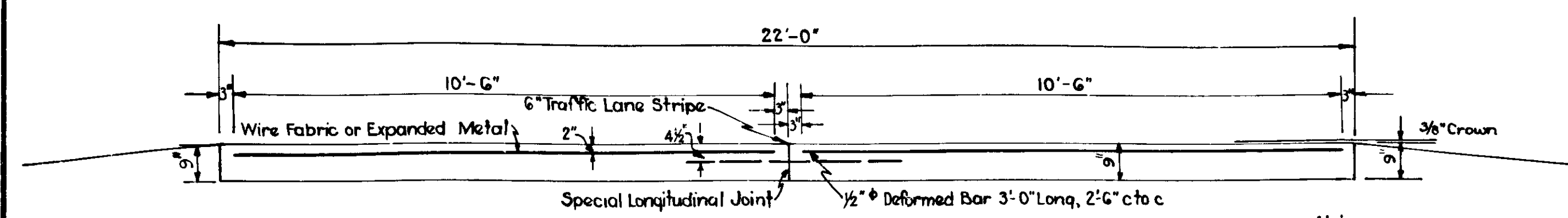
RECOMMENDED FOR APPROVAL 8-14-51

APPROVED *Frank H. Bowen* 8/15/51
 CHIEF ENGINEER STATE HIGHWAY COMMISSION OF INDIANA

W. H. Behrens
 ENGINEER OF ROAD DESIGN, STATE HIGHWAY COMMISSION OF INDIANA

FEDERAL ROAD DIVISION NO.	STATE	U.I. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND	265	1951	3	9

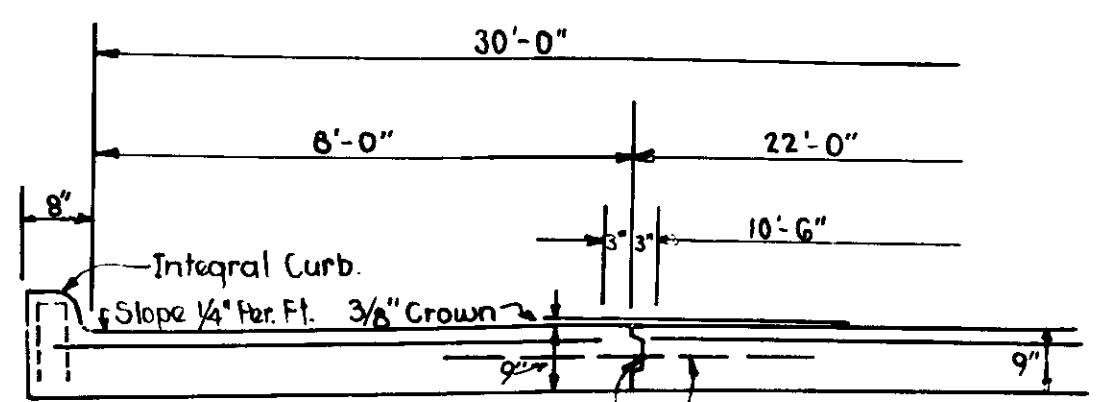
SECTION :



CROSS SECTION
Scale 1/2"=1'-0"

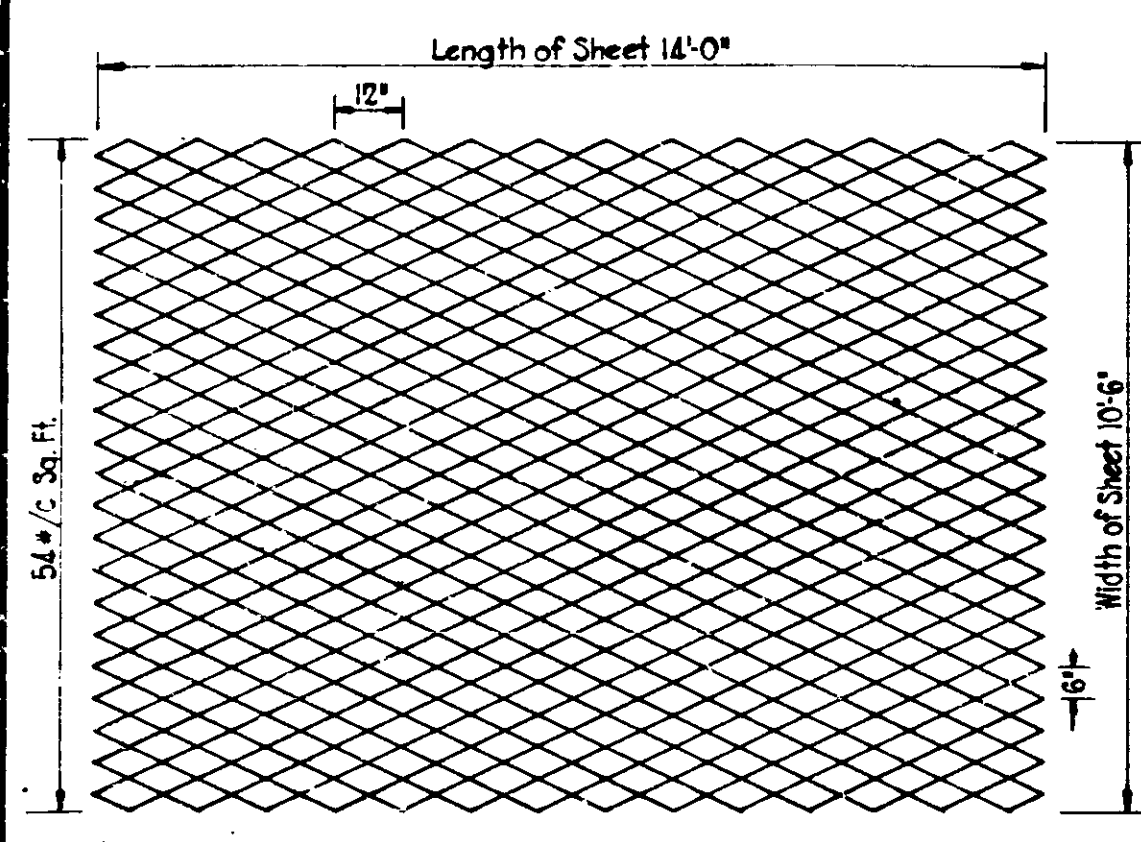
LINE "S-1-AA" STA. 6+100 TO STA. 14+44
LINE "S-4-AA-PR" STA. 0+00 TO STA. 5+83.67

Note -
No Subgrade Treatment to be used on Lines "S-1-AA" & "S-4-AA-PR"
For Steel Detail See Sheet No. 7

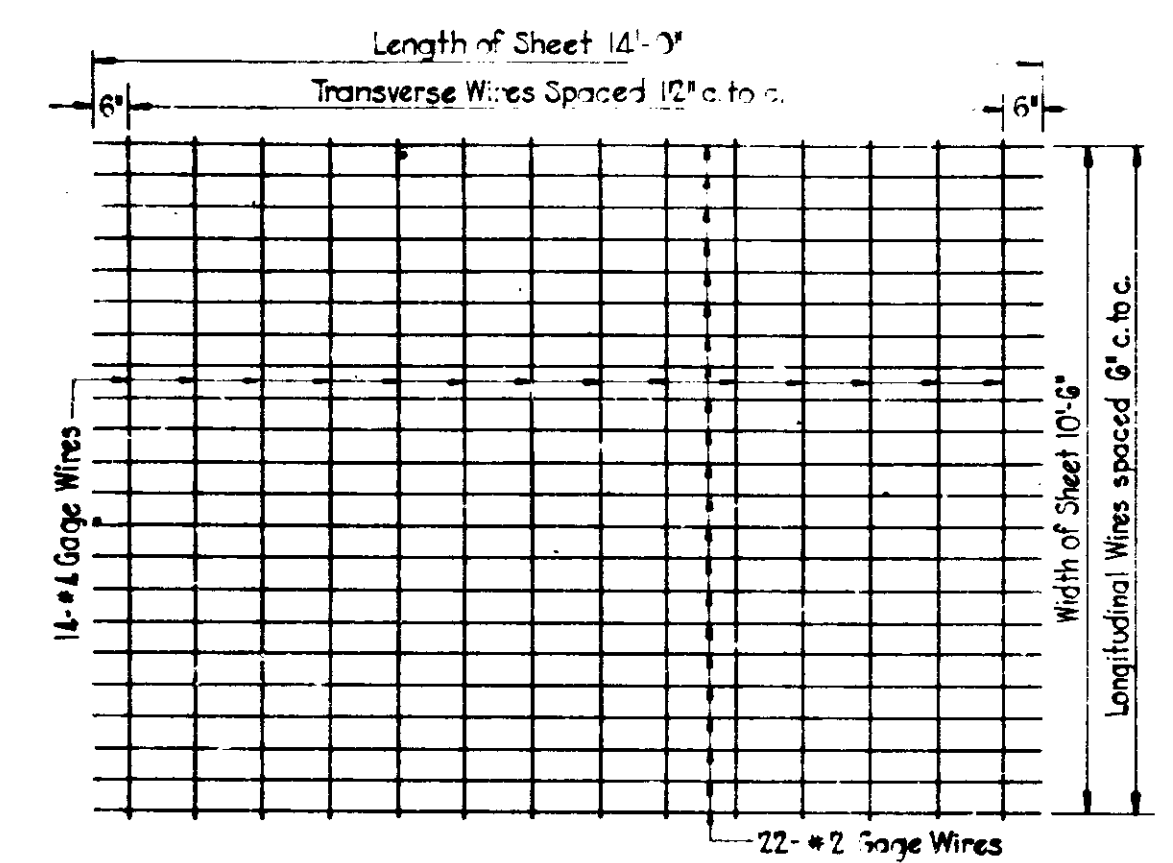


CROSS SECTION
Scale 1/2"=1'-0"

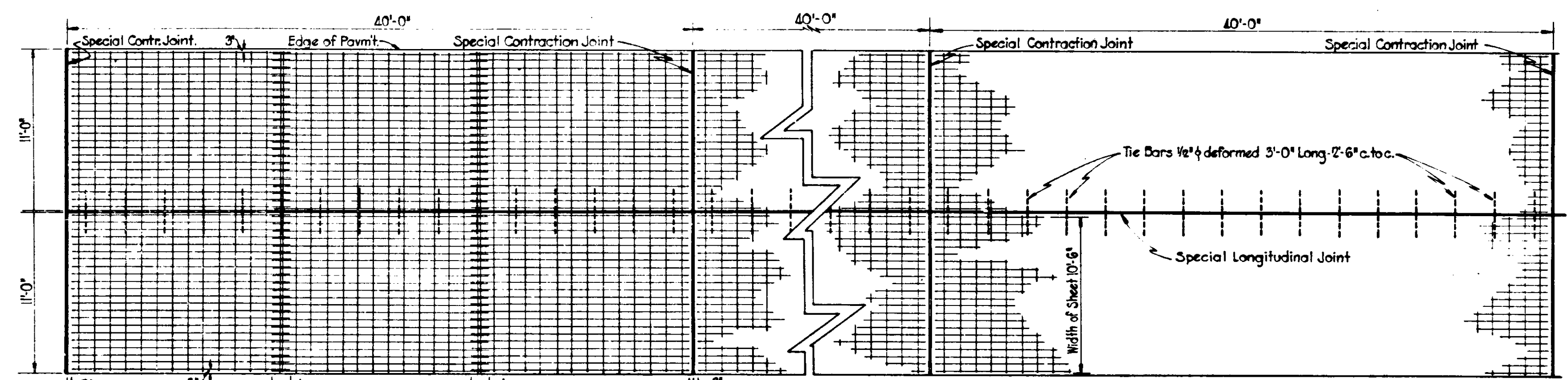
STATION 11+09.90 to STATION 14+44
Line "S-1-AA"



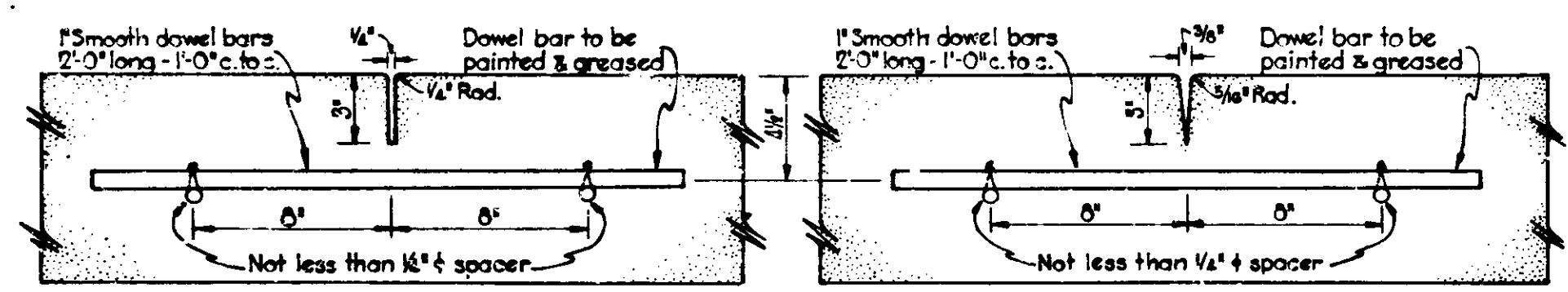
TYPICAL SHEET EXPANDED METAL FABRIC
Scale: 3/8"=1'-0"



TYPICAL SHEET WIRE FABRIC
Scale: 3/8"=1'-0"

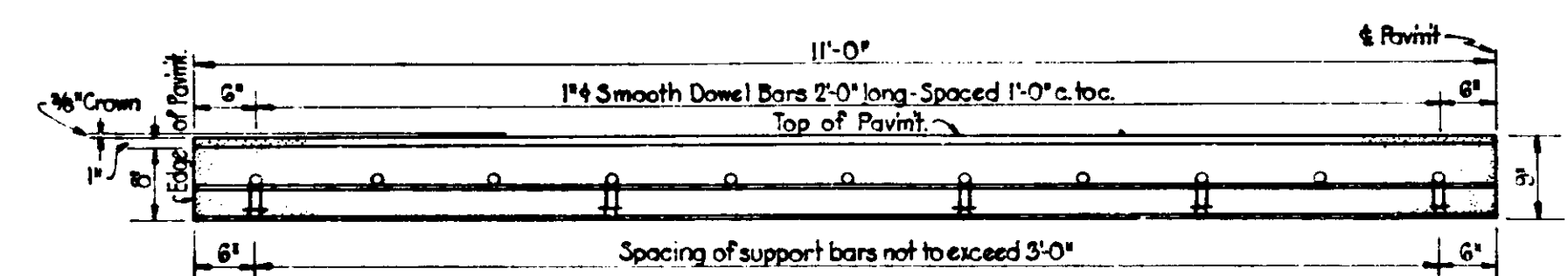


PLAN OF REINFORCED CONCRETE SLAB
Scale: 3/8"=1'-0"

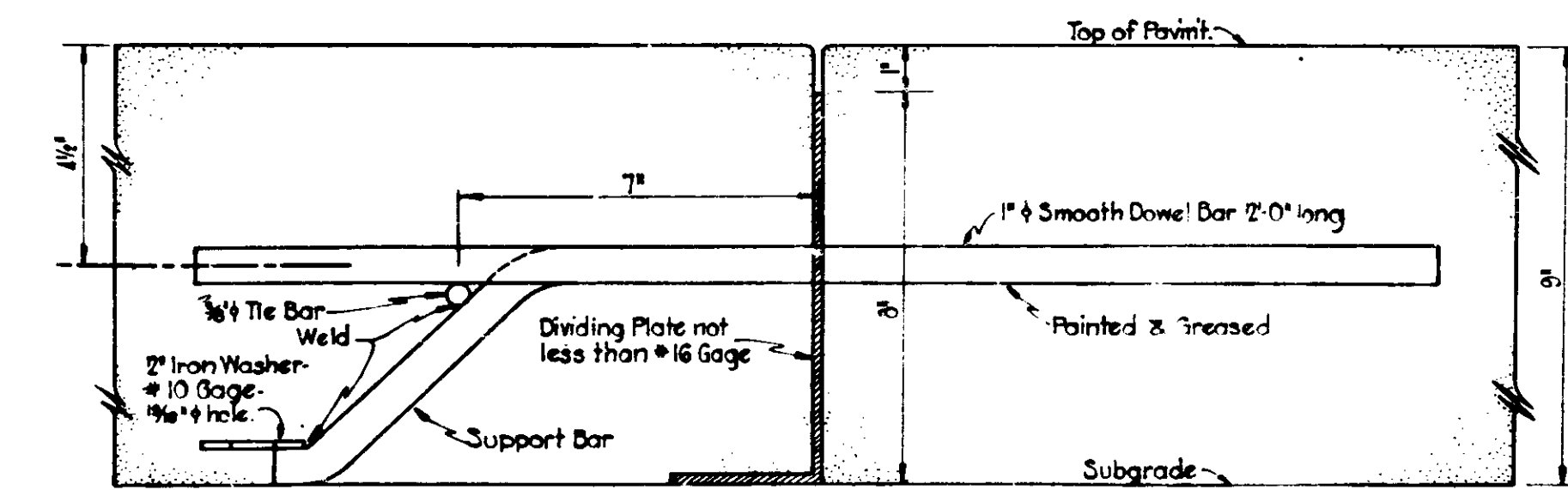


Note: Chairs supporting bar to be set as shown for D-1 Expansion Joint (See Sheet No.)

SPECIAL TYPE D-1 CONTRACTION JOINT

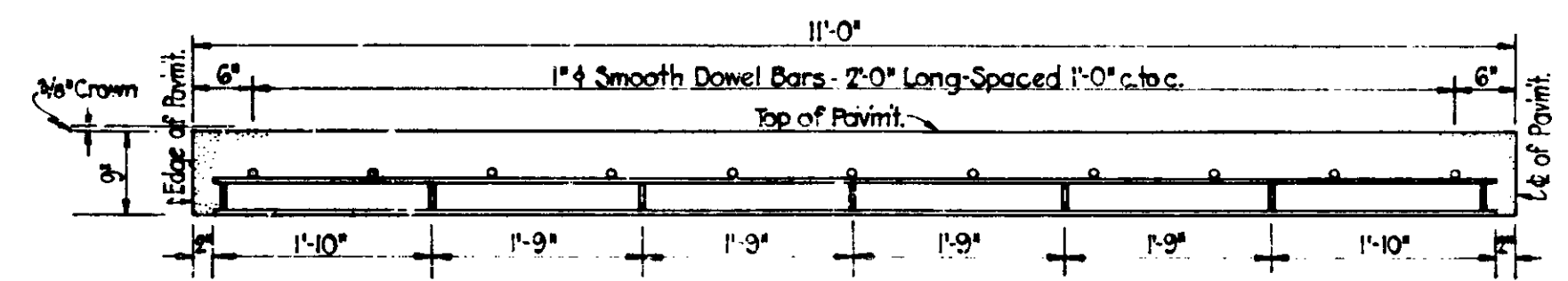


HALF ELEVATION

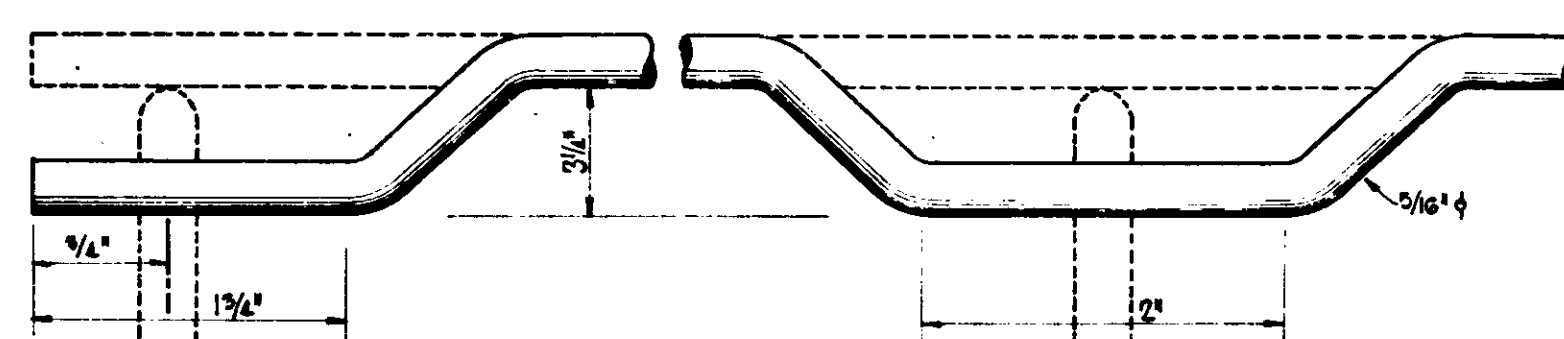


SPECIAL TYPE D-4 CONTRACTION JOINT

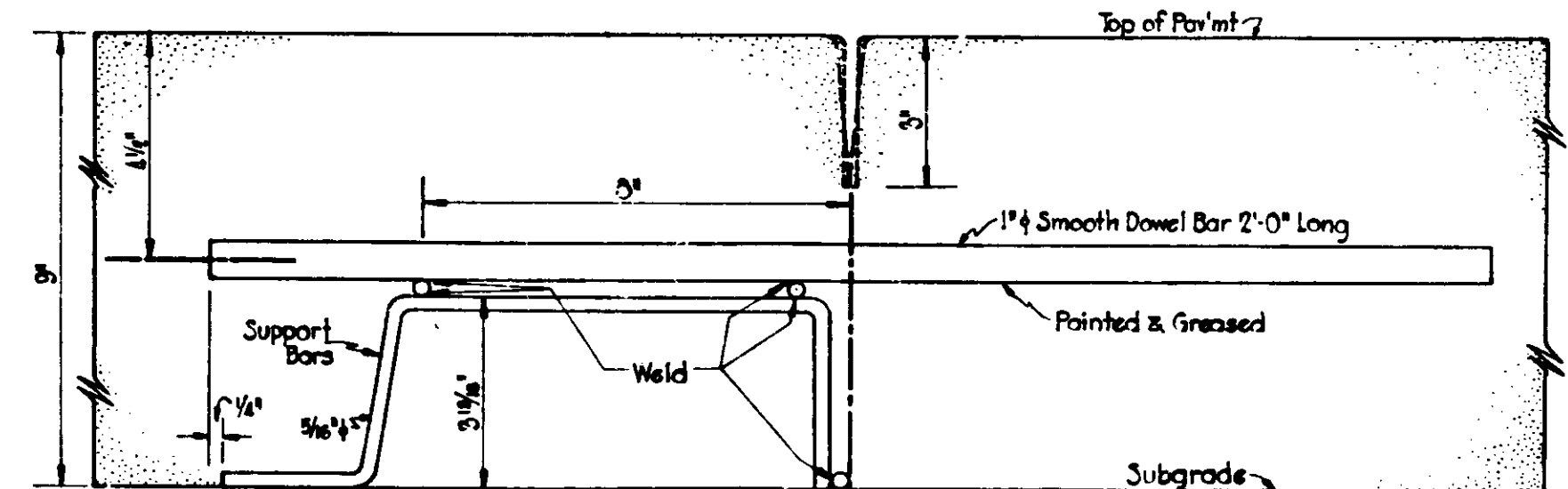
Note: For Details of Contraction Joint seals, see Sheet No.



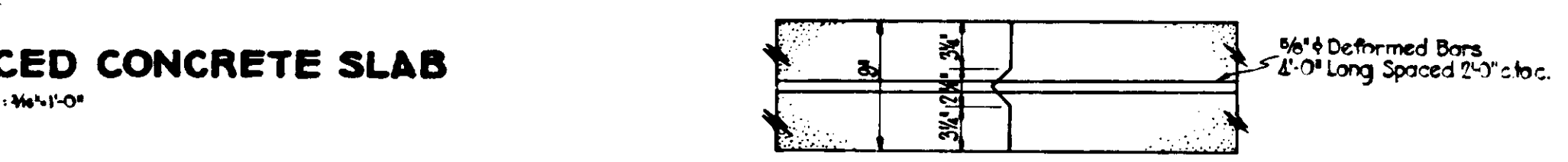
HALF ELEVATION



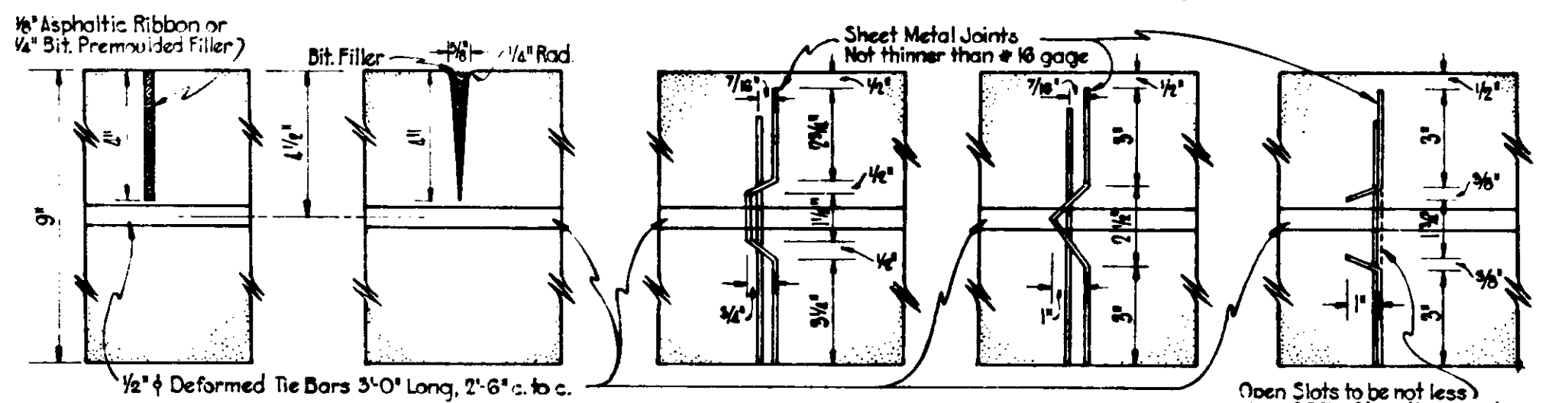
BENDING DIAGRAM FOR TOP SPACING ROD



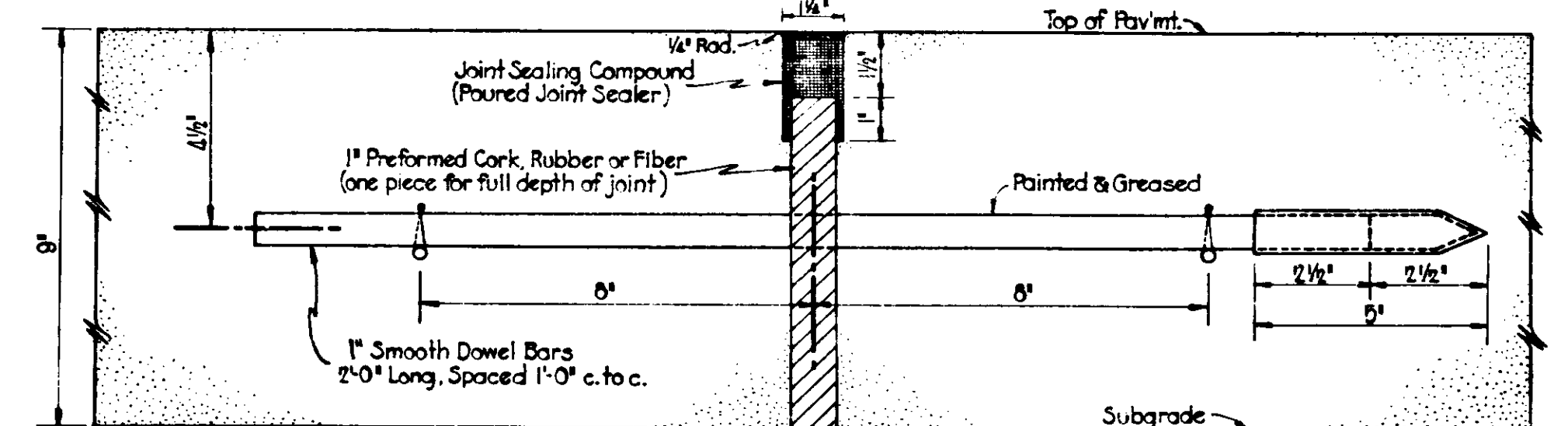
SPECIAL TYPE D-5 CONTRACTION JOINT



CONSTRUCTION JOINT



SPECIAL LONGITUDINAL JOINTS



1" PREFORMED EXPANSION JOINT WITH LOAD TRANSFER

TYPICAL CROSS SECTIONS

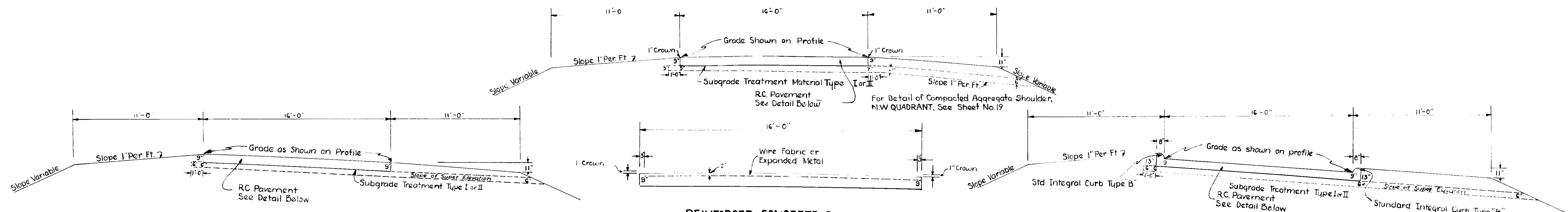
SCALE:-

APPROVED *James E. Hadden* 8/15/51
CHAIRMAN, STATE HIGHWAY COMMISSION OF INDIANA

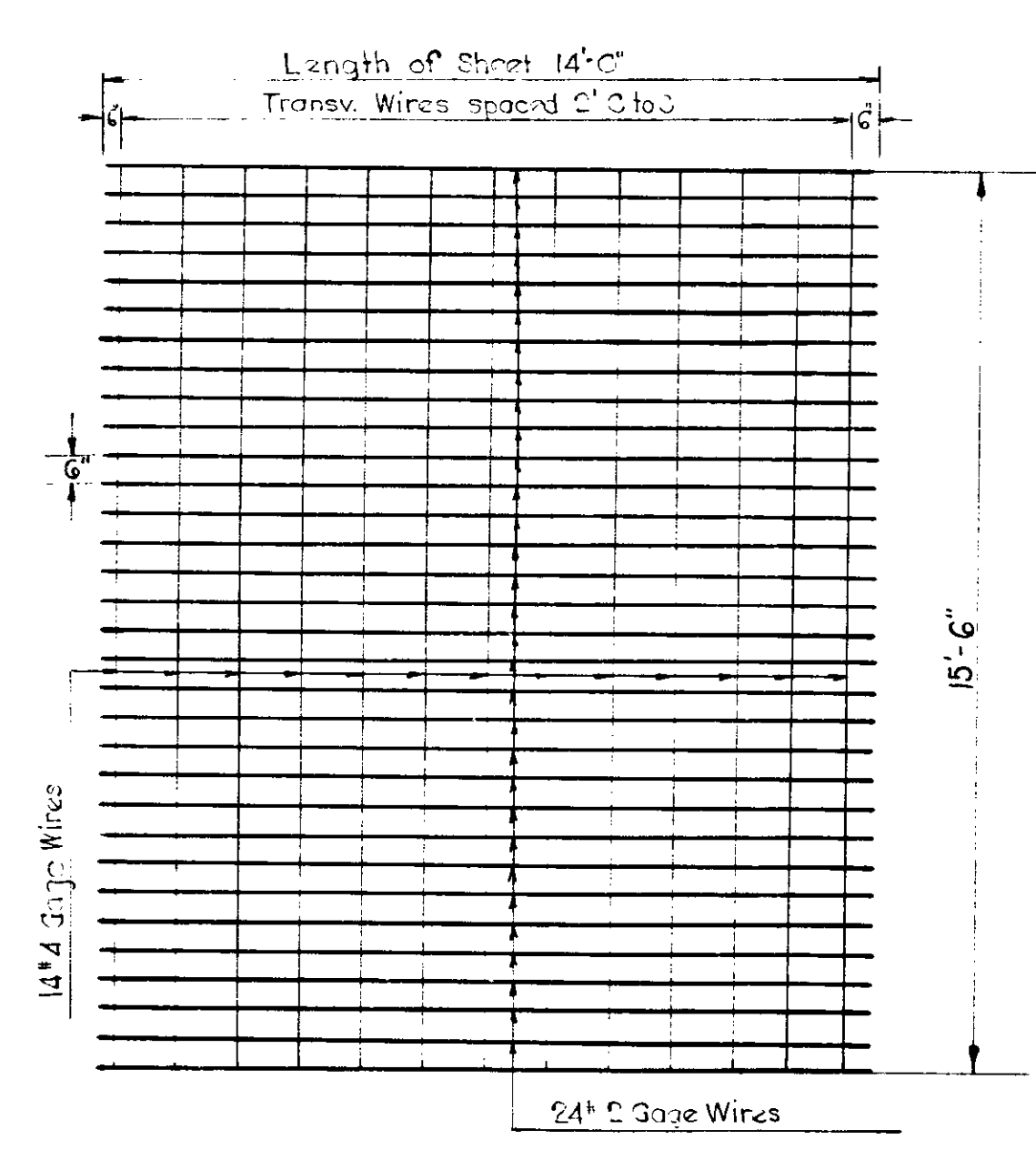
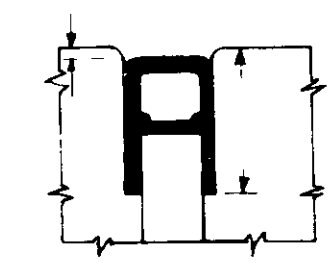
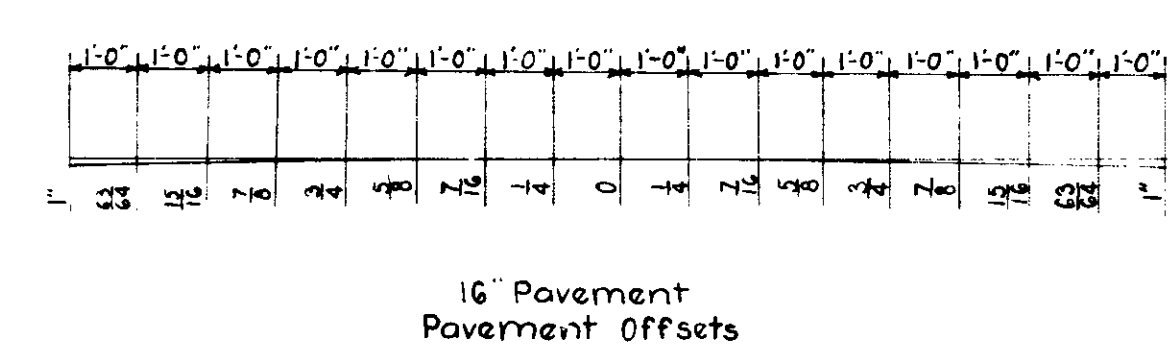
RECOMMENDED FOR APPROVAL *B-M-51*

APPROVED *Ray H. Bowen* 8/15/51
CHIEF ENGINEER, STATE HIGHWAY COMMISSION OF INDIANA

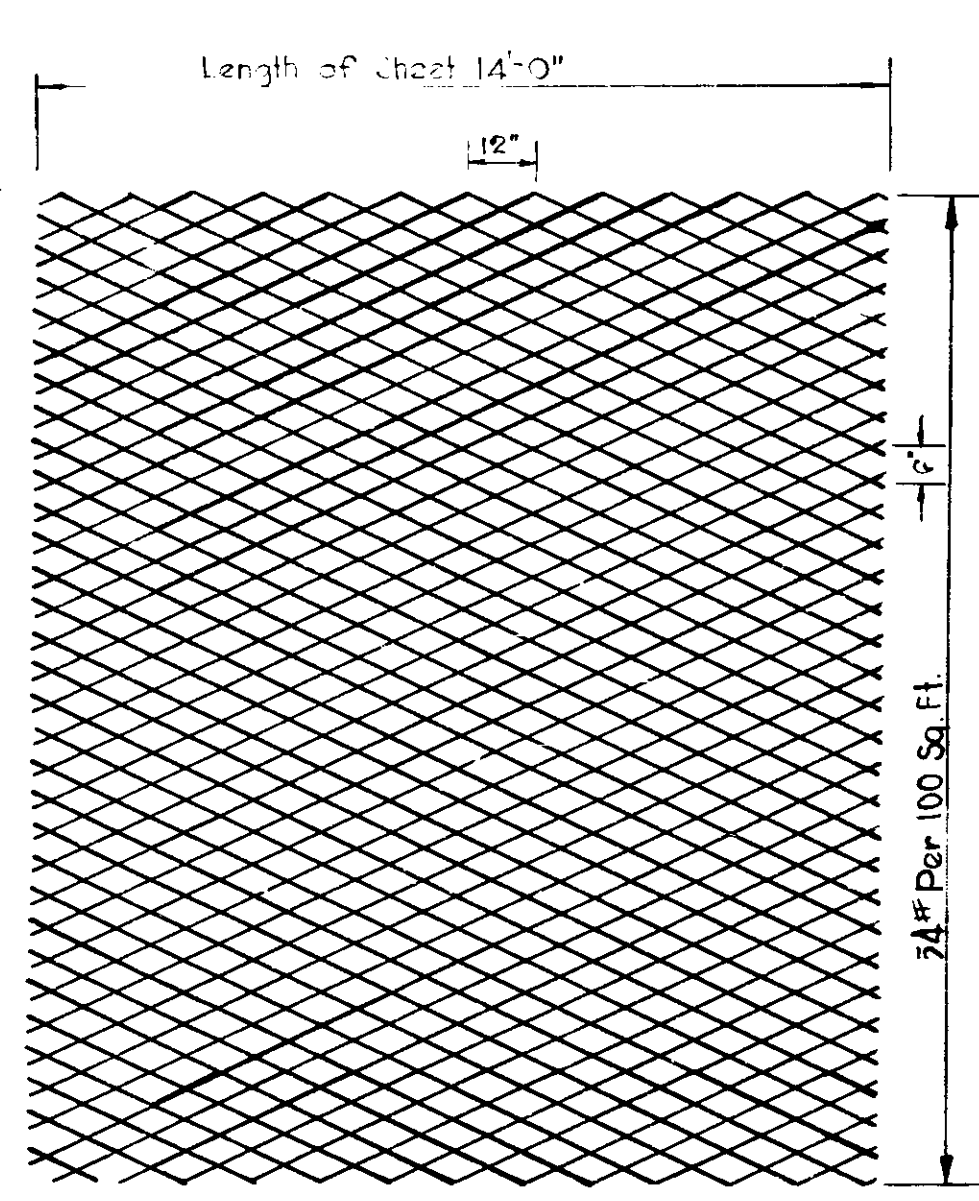
W. H. Behrens
ENGINEER OF ROAD DES. ON STATE HIGHWAY COMMISSION OF INDIANA



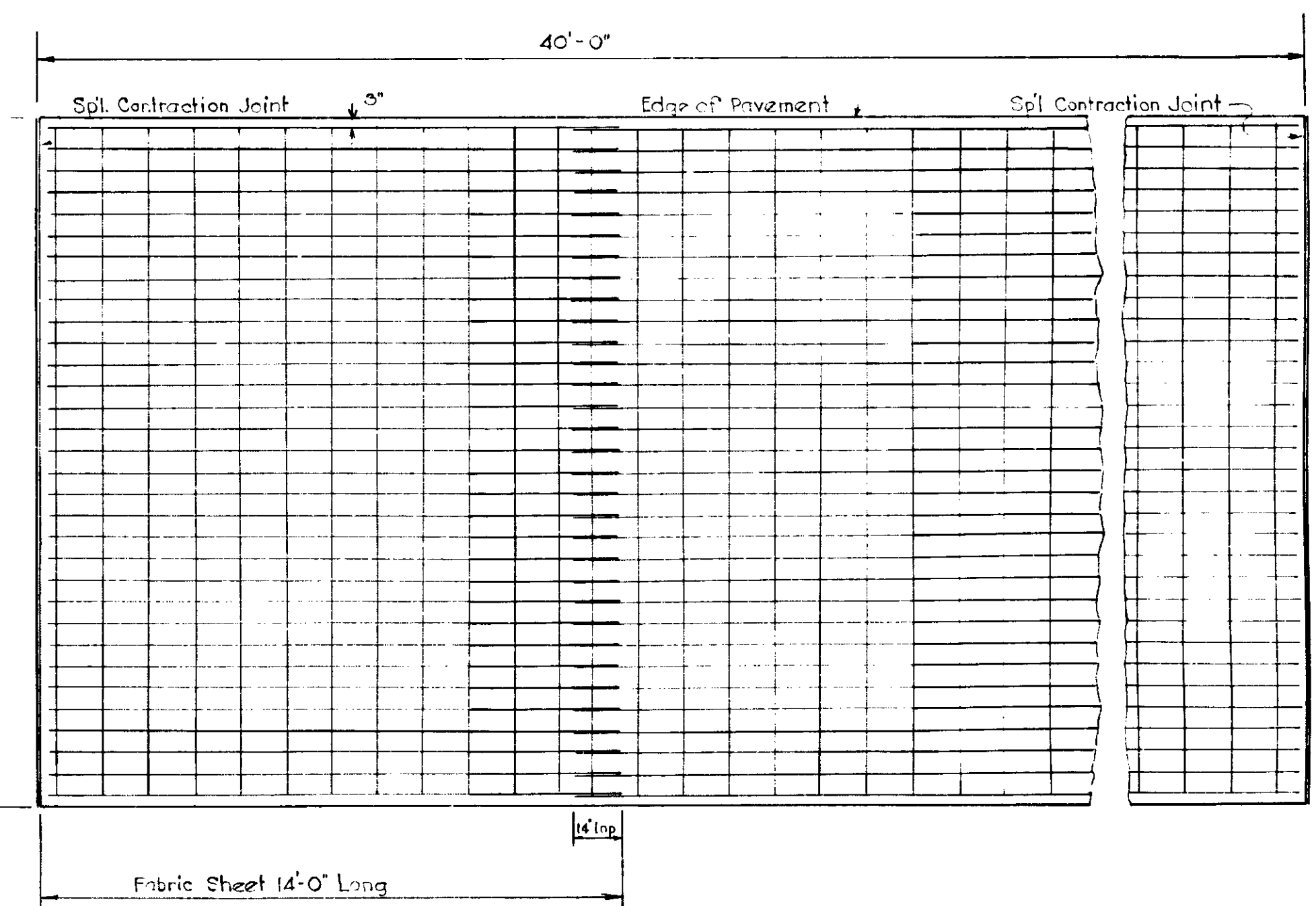
REINFORCED CONCRETE PAVEMENT
 $\frac{3}{8}$ " = 1'-0"
 NW, SW, NE & SE Ramps & By-Passes



TYPICAL SHEET WIRE FABRIC



TYPICAL SHEET EXPANDED WIRE FABRIC



PLAN OF REINFORCED CONCRETE SLAB

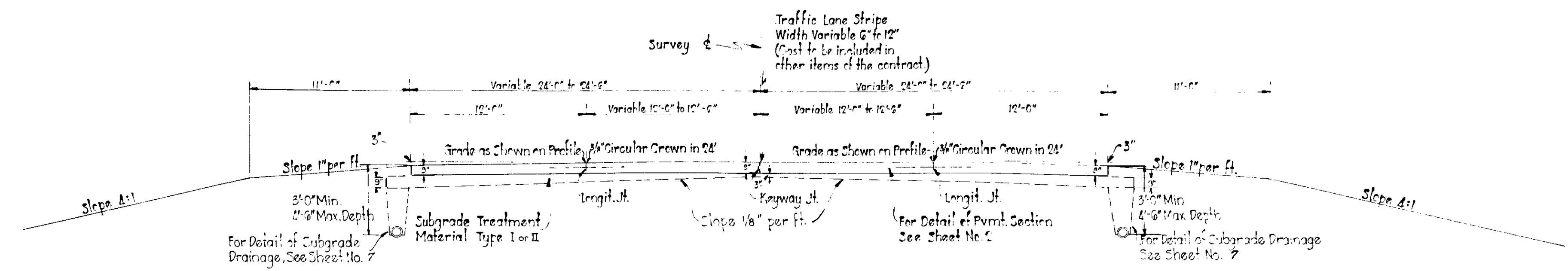
TYPICAL CROSS SECTIONS

SCALE:-

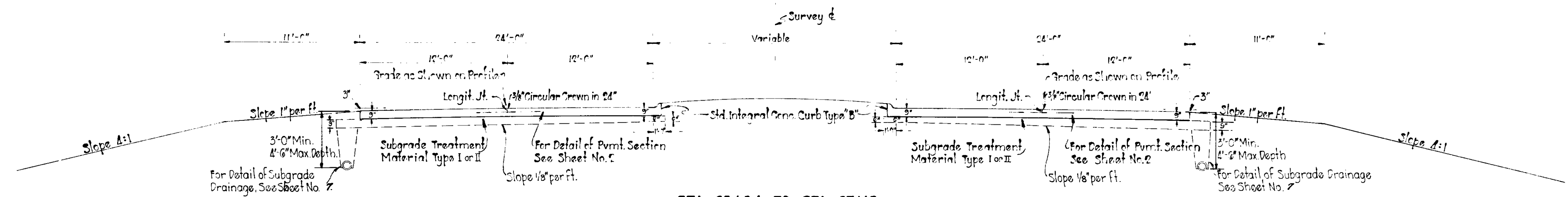
APPROVED *Samuel C. Padden* 8/15/51
 CHAIRMAN

APPROVED *Frank H. Bowen* 8/15/51
 CHIEF ENGINEER

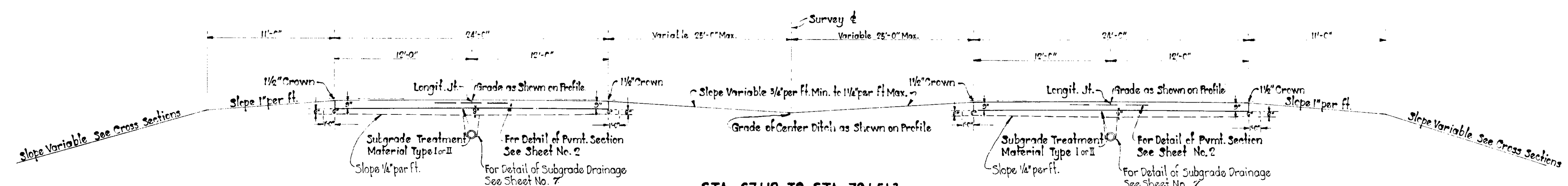
RECOMMENDED FOR APPROVAL 8-14-51
W. H. Perkins
 ENGINEER OF ROAD DESIGN, STATE HIGHWAY DEPARTMENT OF INDIANA



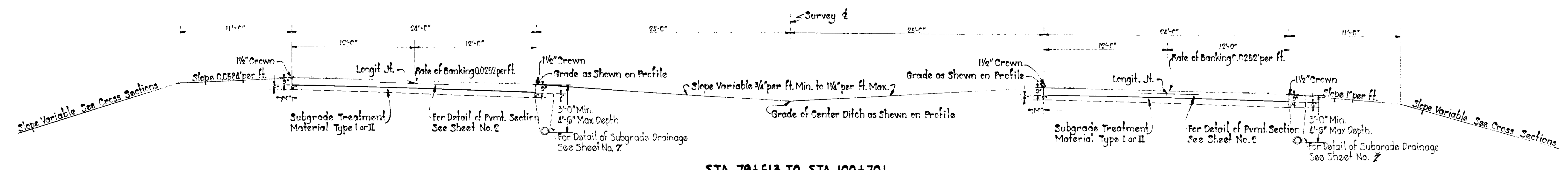
STA. 62+37 TO STA. 63+34



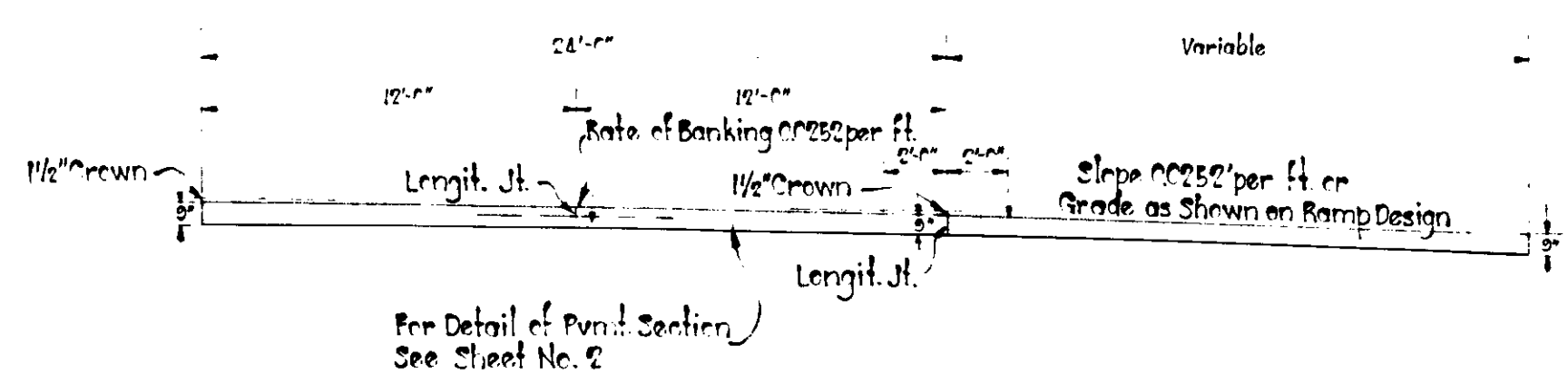
STA. 63+34 TO STA. 67+12



STA. 67+12 TO STA. 79+51.3



STA. 79+51.3 TO STA. 100+70.1



TYPICAL CROSS SECTION SHOWING ADDED LANE FOR RATE OF BANKING

LINE "AA" TYPICAL CROSS SECTIONS

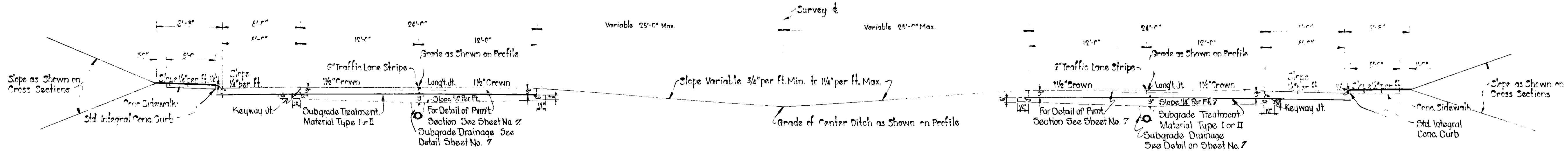
SCALE: 3/16" = 1'-0"

APPROVED *James E. Madden* 8/15/51
CHAIRMAN

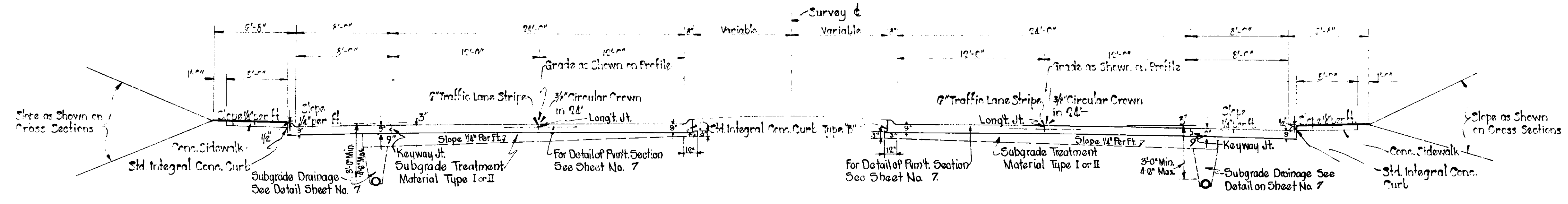
RECOMMENDED FOR APPROVAL *B-14-51*

APPROVED *Ray H. Bowers* 8/15/51
CHIEF ENGINEER

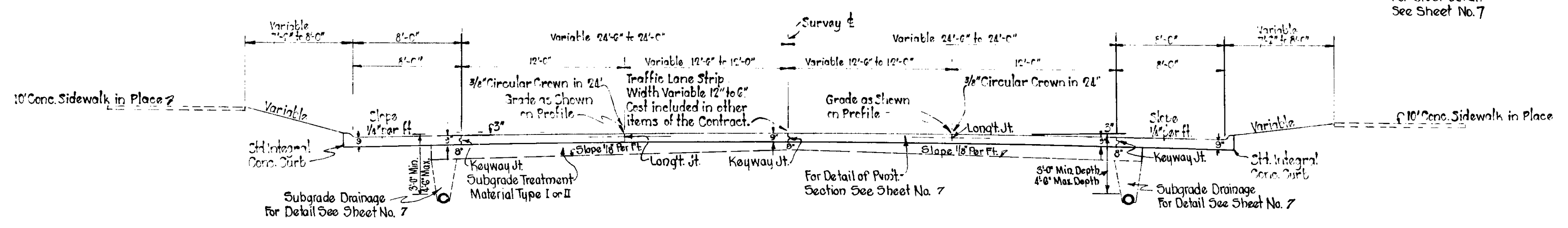
W. F. Behrens
ENGINEER OF ROAD CONSTRUCTION



STA. 100+70.1 TO STA. 105+77.86



STA. 105+77.86 TO STA. 108+92



STA. 108+92 TO STA. 110+00

LINE "AA" TYPICAL CROSS SECTIONS

SCALE: 3/16"=1'-0"

APPROVED *Summit C. Hadden* 8/10/51
CHAIRMAN

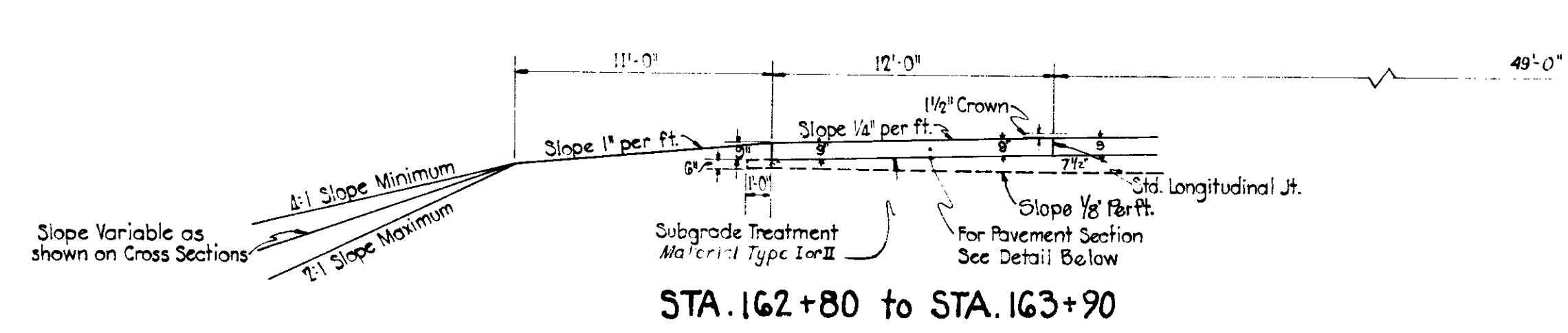
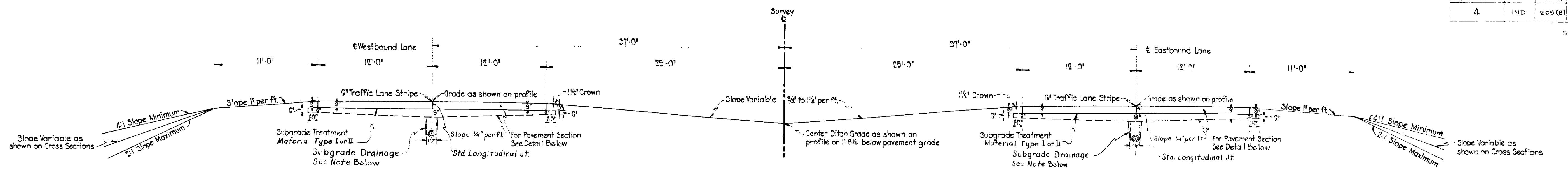
RECOMMENDED FOR APPROVAL 8-14-51

APPROVED *Randy Bower* 9/5/51
CHIEF ENGINEER

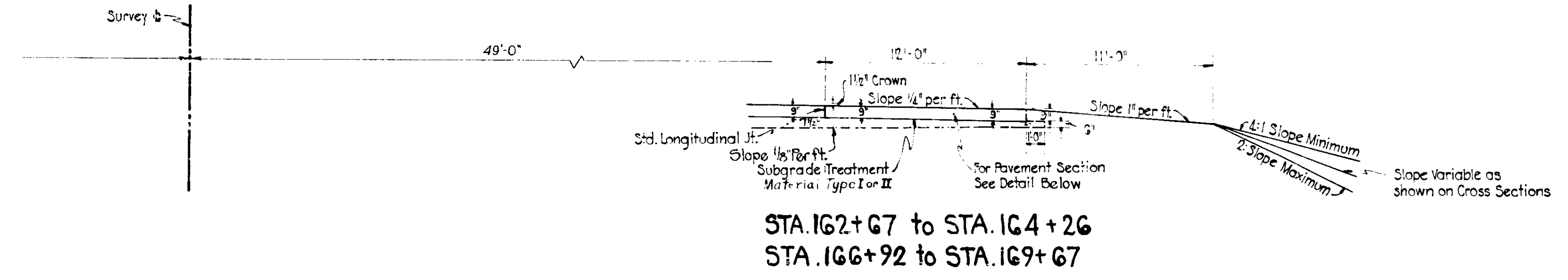
W. H. Behrens
ENGINEER OF ROAD DESIGN

DIVISION	YEAR	U.S. ROAD NO.	PROJECT NO.	SHEET NO.	TOTAL SHEETS
4	IND	225 (A)	1051	7	97

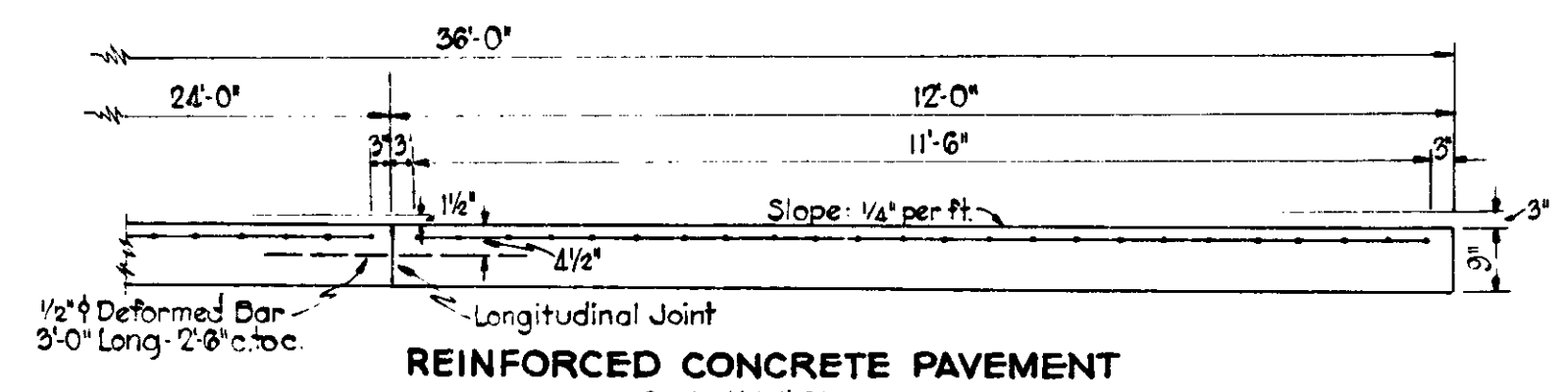
SECTION



STA. 162+80 to STA. 163+90

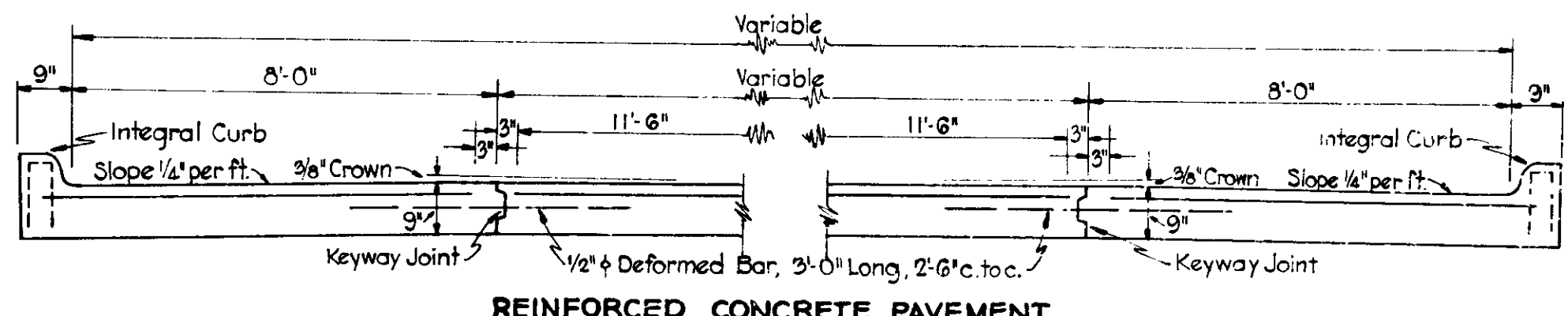


STA. 162+67 to STA. 164+26
STA. 166+92 to STA. 169+67



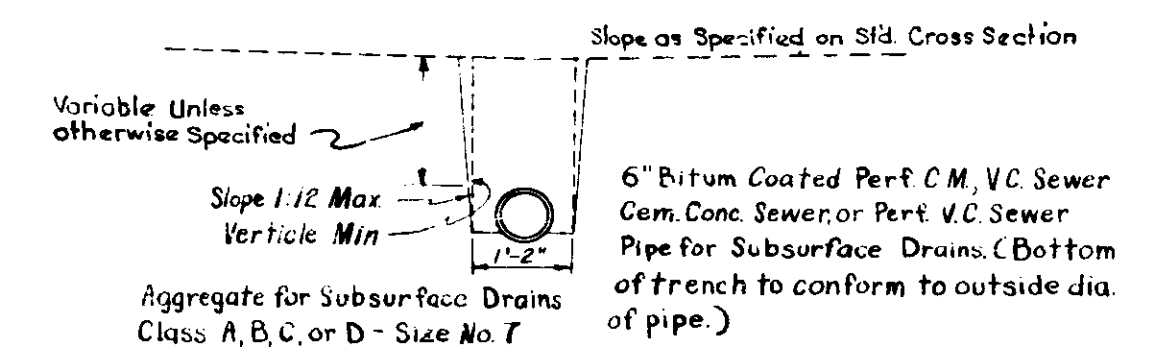
REINFORCED CONCRETE PAVEMENT

Sta. 162+40.37 to 164+25.30 Rt. "K"
Sta. 166+92.76 to 170+67 Rt. "K"
Sta. 161+83.21 to 163+95.41 Lt. "K"
Sta. 166+62.86 to 167+68 Lt. "K"

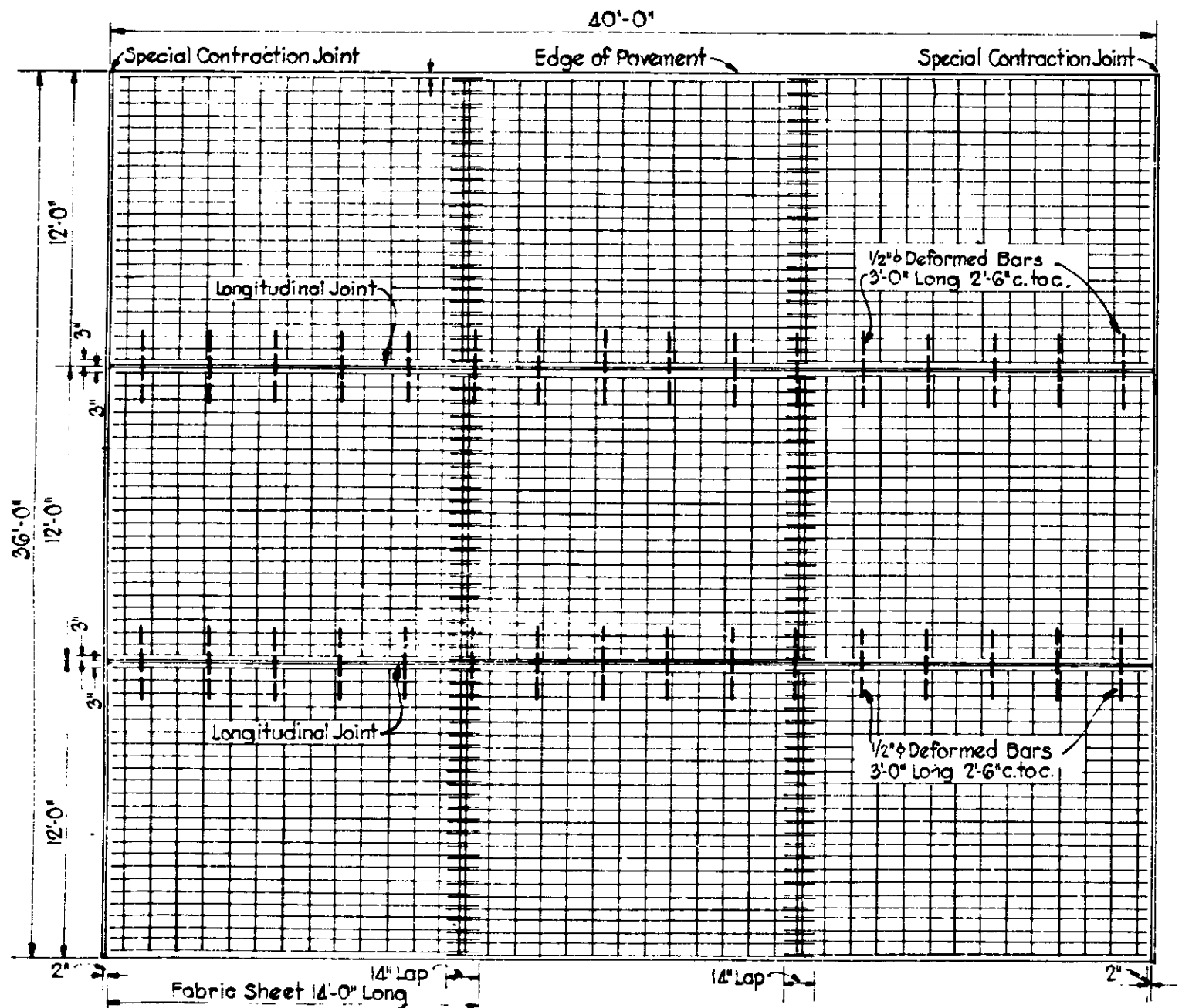


REINFORCED CONCRETE PAVEMENT

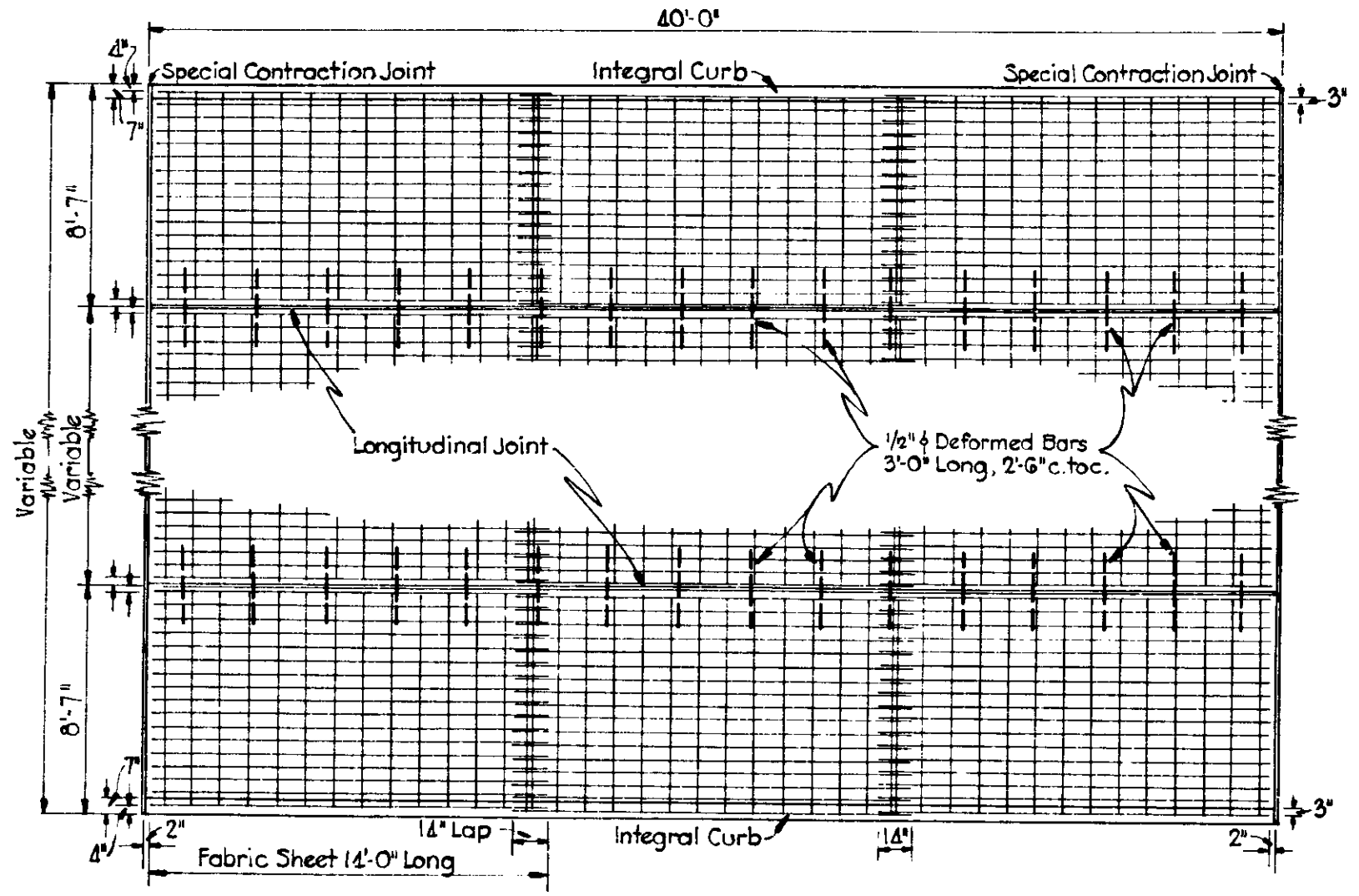
Sta. 100+00 to 110+00 Rt. & Lt. "AA"



TYPICAL SUB SURFACE DRAIN



PLAN OF REINFORCED CONCRETE SLAB



PLAN OF REINFORCED CONCRETE SLAB

LINE "K" TYPICAL CROSS SECTIONS

SCALE: 3/16" = 1'-0" EXCEPT AS NOTED

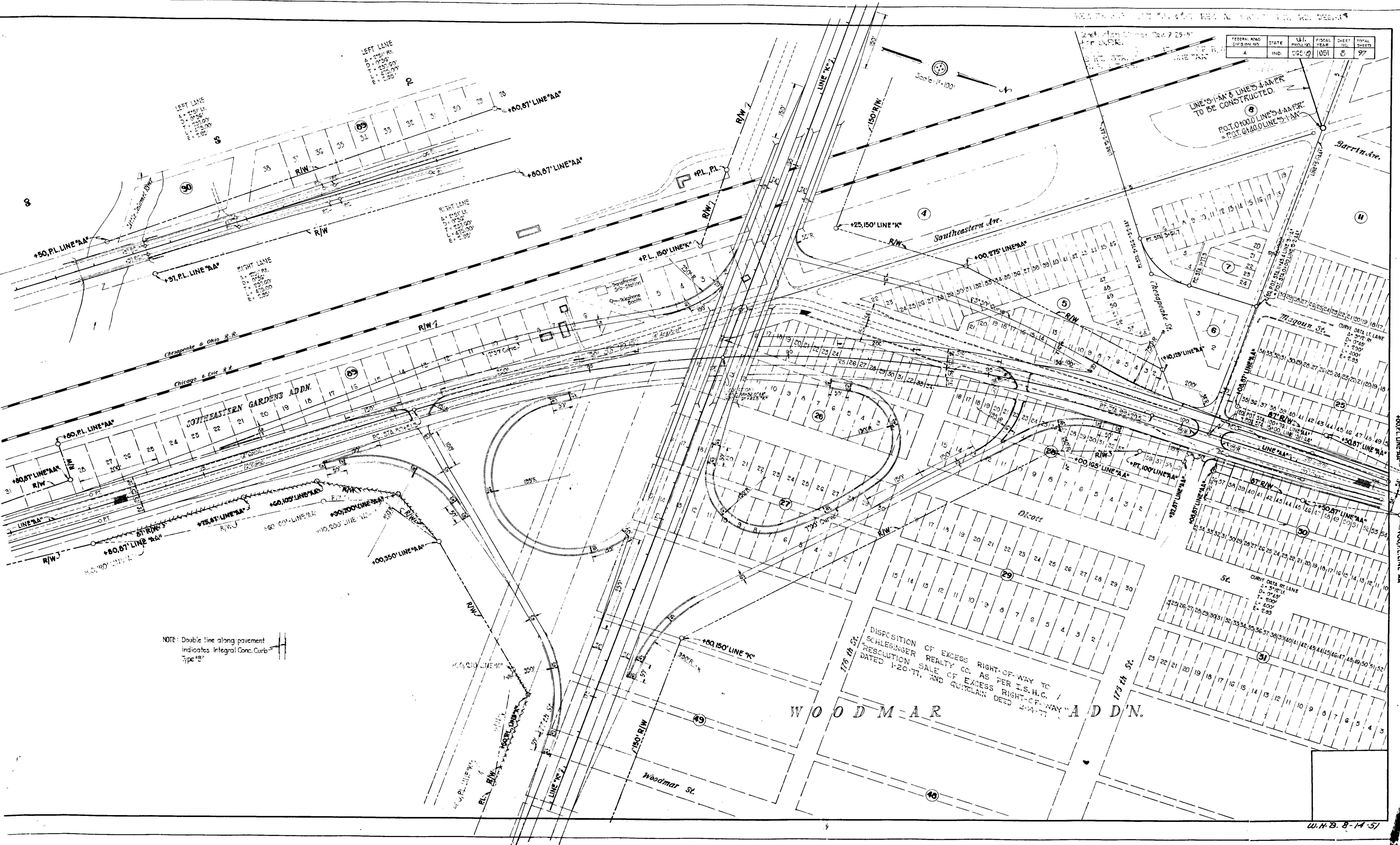
APPROVED *James E. Hadden* 8/15/51
CHAIRMAN STATE BOARD OF SUPERVISORS OF INDIANA

RECOMMENDED FOR APPROVAL 8-14-51

APPROVED *Ray H. Bower* 9/15/51
CHIEF ENGINEER STATE BOARD OF SUPERVISORS OF INDIANA

W. H. Behrens
ENGINEER OF ROAD DESIGN STATE BOARD OF SUPERVISORS OF INDIANA

FEDERAL ROAD DIVISION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	006	1951	8	97

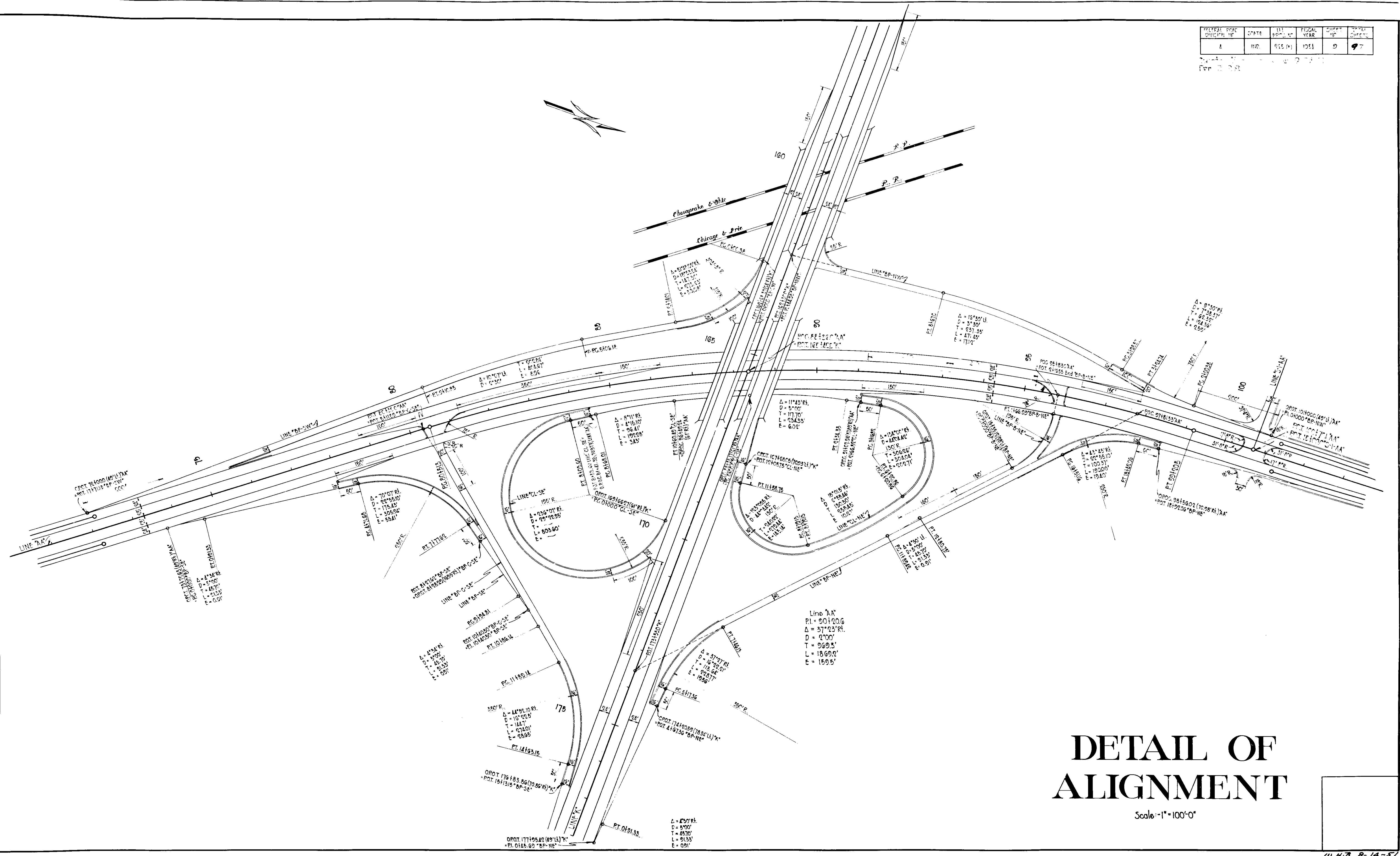


NOTE: Double line along pavement indicates integral concrete curb type 'B'

DISPOSITION OF EXCESS RIGHT-OF-WAY TO SCHLESINGER REALTY CO. AS PER I.S.H.C. RESOLUTION. SALE OF EXCESS RIGHT-OF-WAY DATED 1-20-51, AND QUINCLAN DEED 2-14-51

FEDERAL ROAD DISTRICT NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	MD	965 (A)	1951	9	97

DATE: 11-1-51
 FOR: 11-2-51

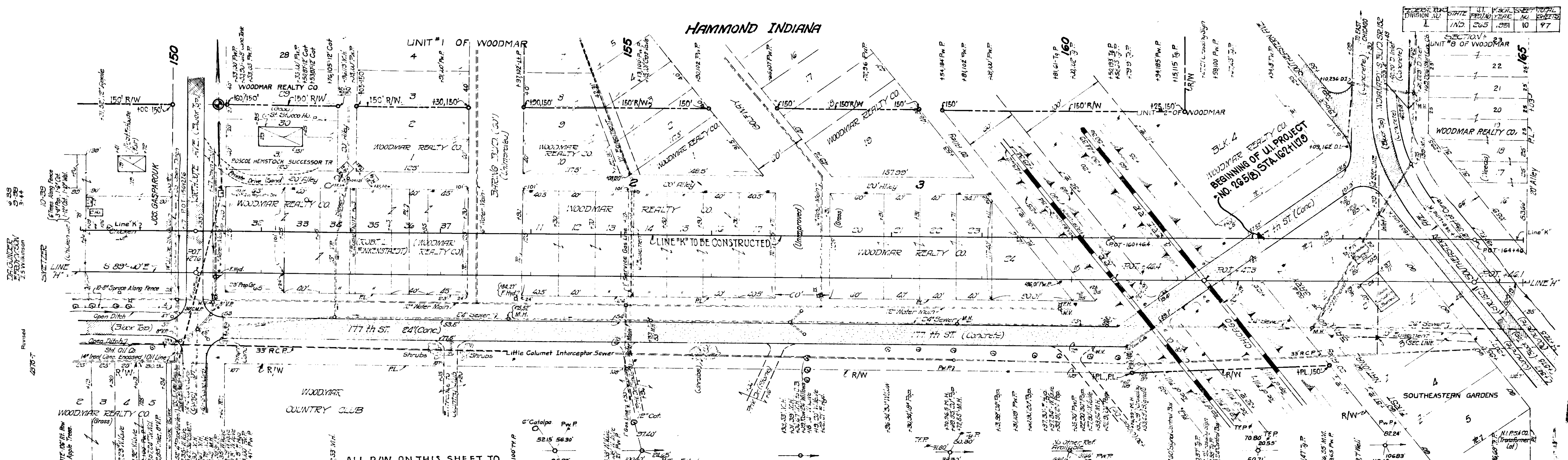


DETAIL OF ALIGNMENT

Scale: 1"=100'-0"

HAMMOND INDIANA

DIVISION NO.	STATE	U.I. PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
1	IND	265	1951	10	97



ALL R/W ON THIS SHEET TO BE AS SHOWN (R/W TO BE OBTAINED ABOUT LINE "K") FOR R/W BETWEEN STA. 161+25 AND STA. 165+00 SEE SHEET NO.

POT 160+46.4
Ed. Nail in X Tie @ C&O RR.
(No References)
LINE "H"

POT 161+47.3
(I.P.F.) @ ERIE RR.
LINE "H"

POT 164+46.1
(I.P.F.) @ SOUTHEASTERN AVE (SR 152)
LINE "H"

POT 160+46+(W.H.L)
LINE "K"

POT 164+46.1 (W.H.L)
LINE "K"

Note: For Structures from Sta. 162+11.79 to Sta. 165+00 See Sheets No. 15 & 17

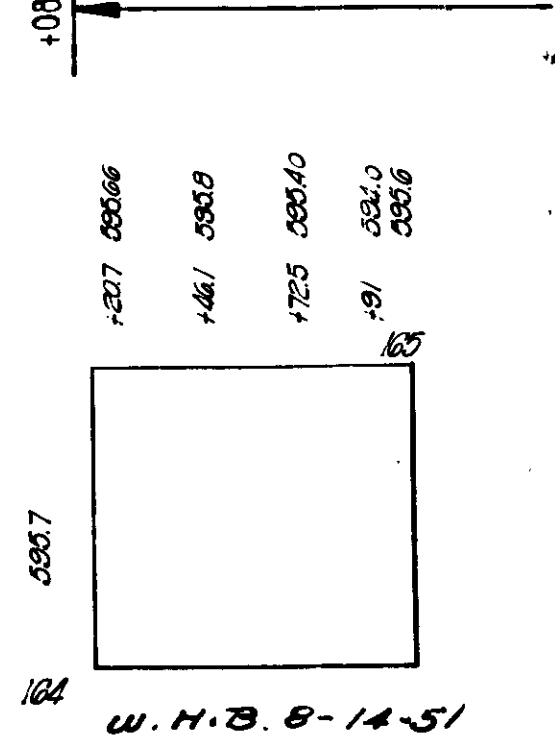
162+11.79
BEGINNING OF U.I. PROJECT NO. 265(g)
STA. 162+11.79

TYPICAL CROSS SECTIONS AS SHOWN ON SHEETS NO. 23, 45, 67 TO BE USED WITH THESE PLANS.

State Highway Commission of Indiana Specifications Dated 1946 to be used with these plans.
Standards underdates as listed in Index on Title Sheet to be used on this Project.
Grade line as shown on profile represents top of finished surface.
All disturbed areas to be Mulched Seeded.
Total Interchange to be Cross Sectioned before Construction.
Paper Relocation Line 5-4 AA' to be Cross Sectioned before Construction.
Contraction Joints to be placed at all man holes within pavement limits.

Indicates Pavement Removal, Indicates Sidewalk Removal.
All Curb Removal will be paid for as Pavement Removal (See Special Provisions).
Where existing surface is located outside the limits of Construction, Northcote Ave., North of 175th St. & 175th St. from Station 240 to Station 6+00, the Contractor will be required to remove the present Roadway Surface & Base as directed by the Engineer, & the quantities represented will not be paid for as Pavement Removal, but will be paid for as Common Excavation.

STRUCTURE LIMITS



10-39
 9-39
 8-39
 7-39
 6-39
 5-39
 4-39
 3-39
 2-39
 1-39
 12-38
 11-38
 10-38
 9-38
 8-38
 7-38
 6-38
 5-38
 4-38
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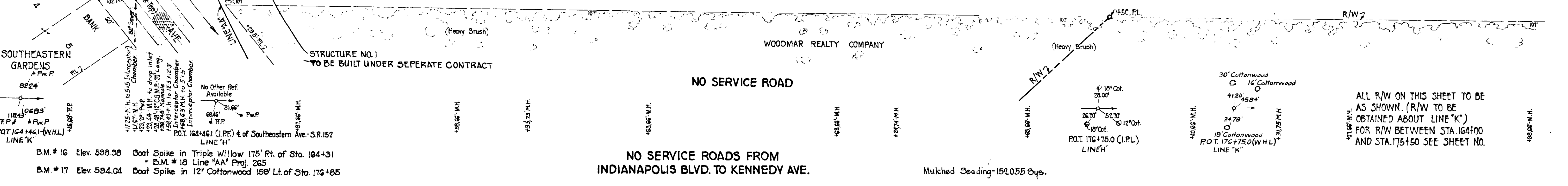
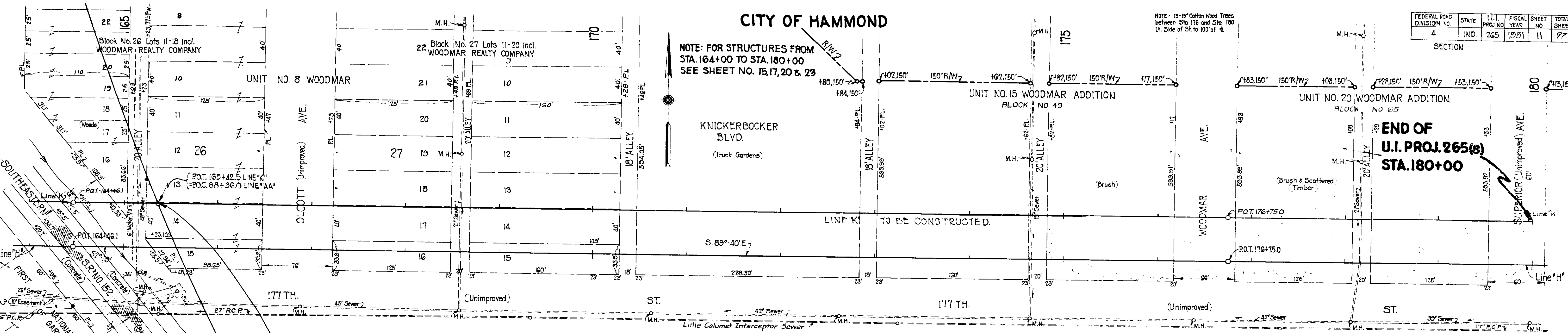
CITY OF HAMMOND

FEDERAL ROAD DIVISION NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	265	1951	11	77

NOTE: 13'-15' Cotton Wood Trees between Sta. 176 and Sta. 180 U. Side of St. to 100' of E.

NOTE: FOR STRUCTURES FROM STA. 164+00 TO STA. 180+00 SEE SHEET NO. 15, 17, 20 & 23

END OF U.I. PROJ. 265(8) STA. 180+00



NO SERVICE ROADS FROM INDIANAPOLIS BLVD. TO KENNEDY AVE.

END OF U.I. PROJ. 265(8) STA. 180+00

Cut = 22,820 Cys.
 Fill + 15% = 332,126 Cys.
 Special Borrow = 309,308 Cys.

STRUCTURE LIMITS
 420 - AA9 - 3669 - U.I. 265(8)

595.7	595.66	595.8	595.40	594.0	595.6	595.9	594.5	595.5	595.5	592.9	592.9	593.0	592.6	592.4	592.3	592.0	591.8	591.6	591.8	591.6	591.6	591.5	591.3	591.6	591.4	591.4	591.6	591.6
164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192

U.I. 265(8) 8-14-51

5-18
17-10
W.F. Quader
H.R. Neider

5-18
17-10
W.F. Quader
H.R. Neider

129 L

56 55 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90

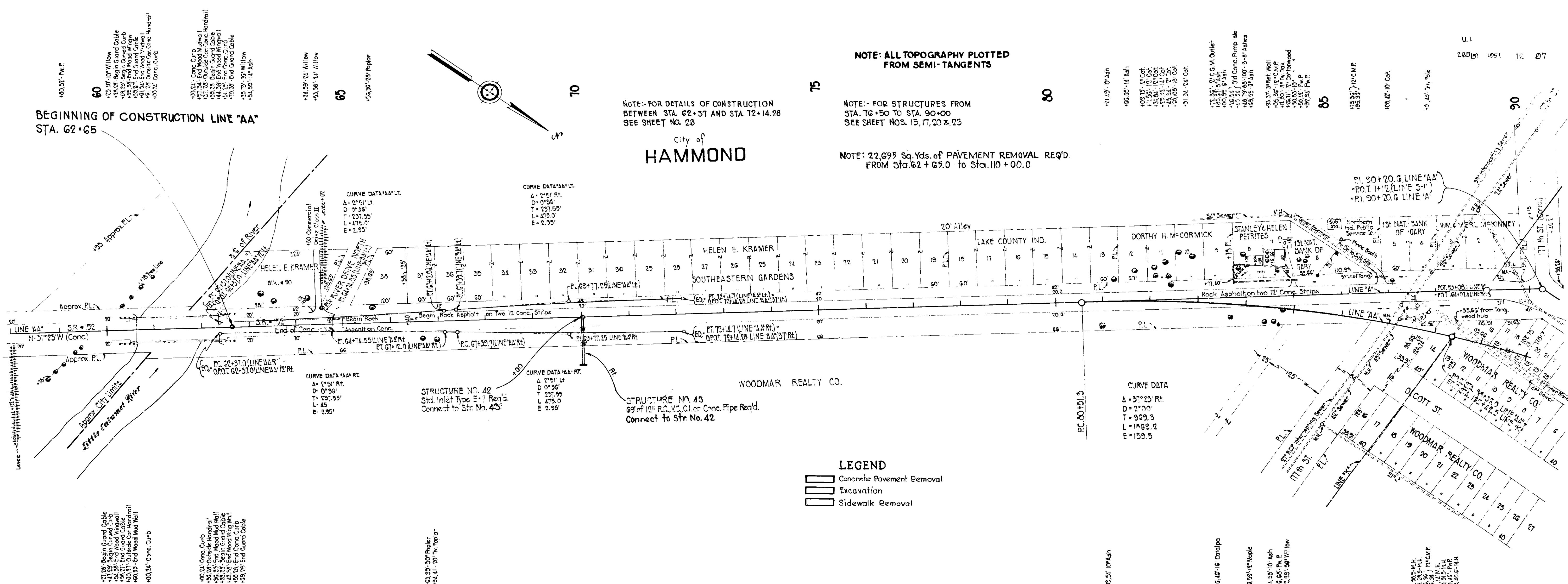
BEGINNING OF CONSTRUCTION LINE "AA"
STA. 62+65

NOTE: FOR DETAILS OF CONSTRUCTION BETWEEN STA. 62+37 AND STA. 72+14.28 SEE SHEET NO. 26

NOTE: FOR STRUCTURES FROM STA. 76+50 TO STA. 90+00 SEE SHEET NOS. 15, 17, 20 & 23

NOTE: 22,695 Sq. Yds. of PAVEMENT REMOVAL REQ'D. FROM Sta. 62+05.0 TO Sta. 110+00.0

City of HAMMOND

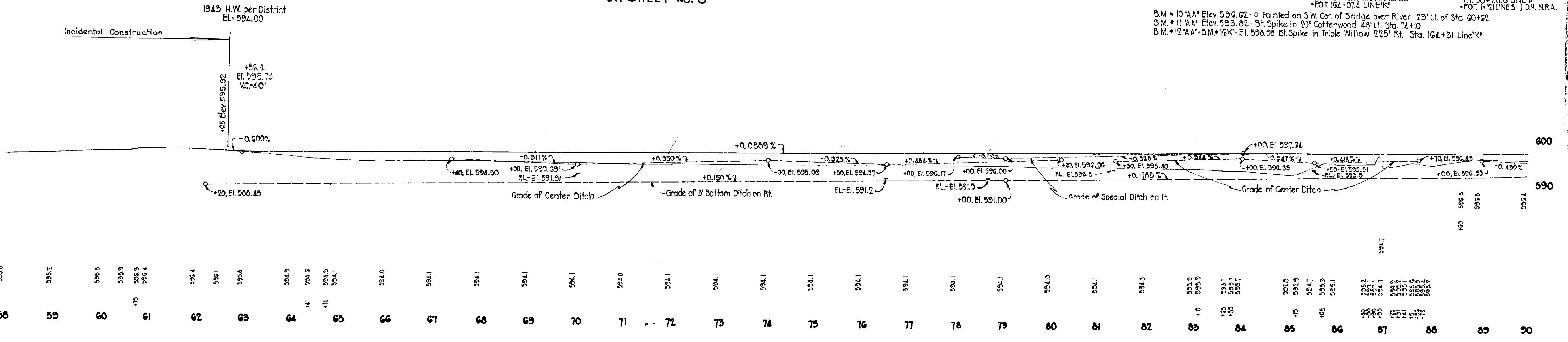


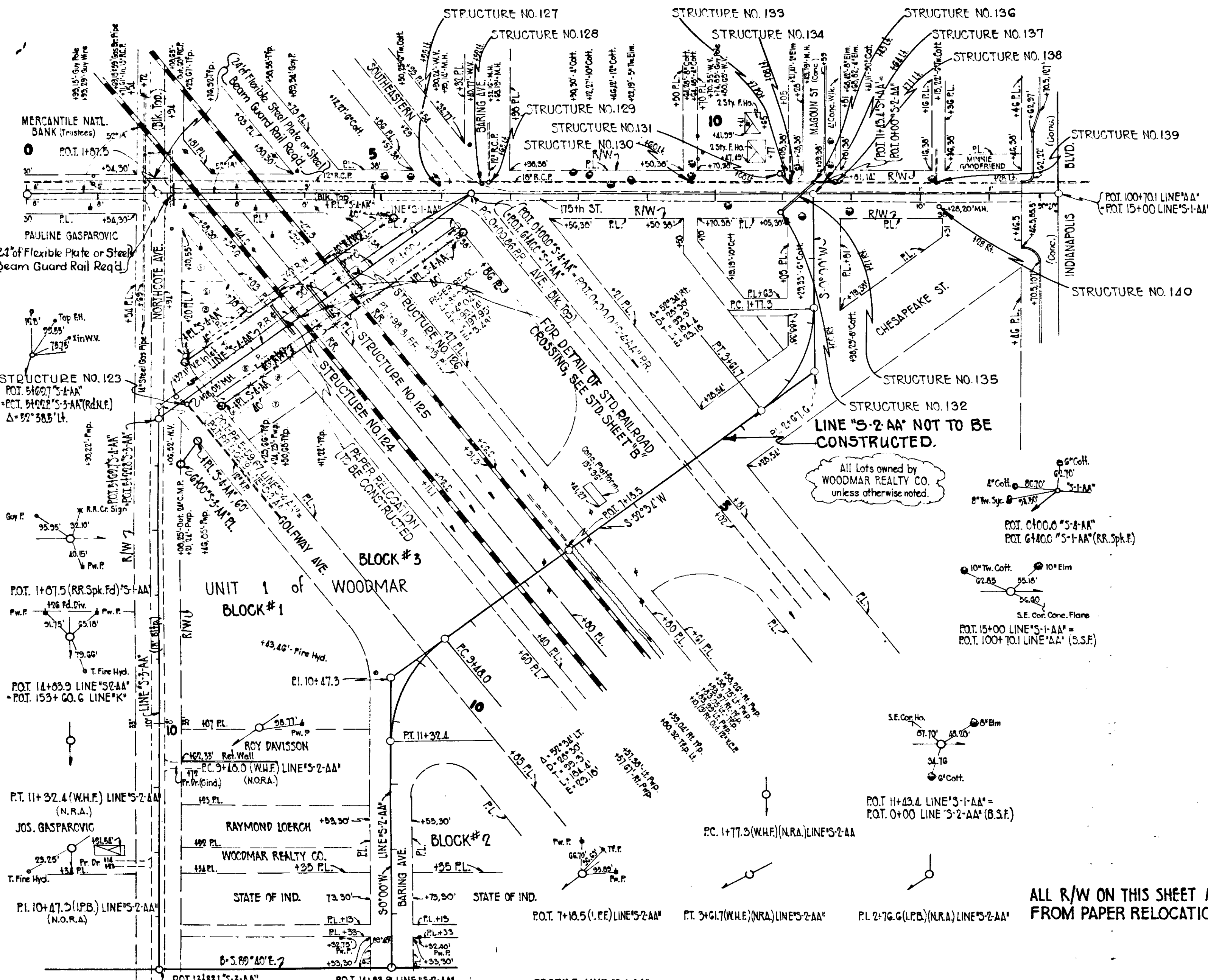
RIW ON THIS SHEET SHOWN ON SHEET NO. 8

POT. 89+08.1 (I.P.L.) TANG "AA"
 POT. 164+07.4 LINE "K"

P.I. 90+70.6 LINE "M"
 POT. 1+12 (LINE S-1) D.H. N.R.A.

B.M. # 10 "AA" Elev. 596.62 - a Pointed on S.W. Cor. of Bridge over River 20' Lt. of Sta. 60+62
 B.M. # 11 "AA" Elev. 593.82 - 5t. Spike in 20' Cottonwood 45' Lt. Sta. 74+10
 B.M. # 12 "AA" B.M. # 16 "K" - El. 598.98 5t. Spike in Triple Willow 725' Rt. Sta. 164+31 Line "K"



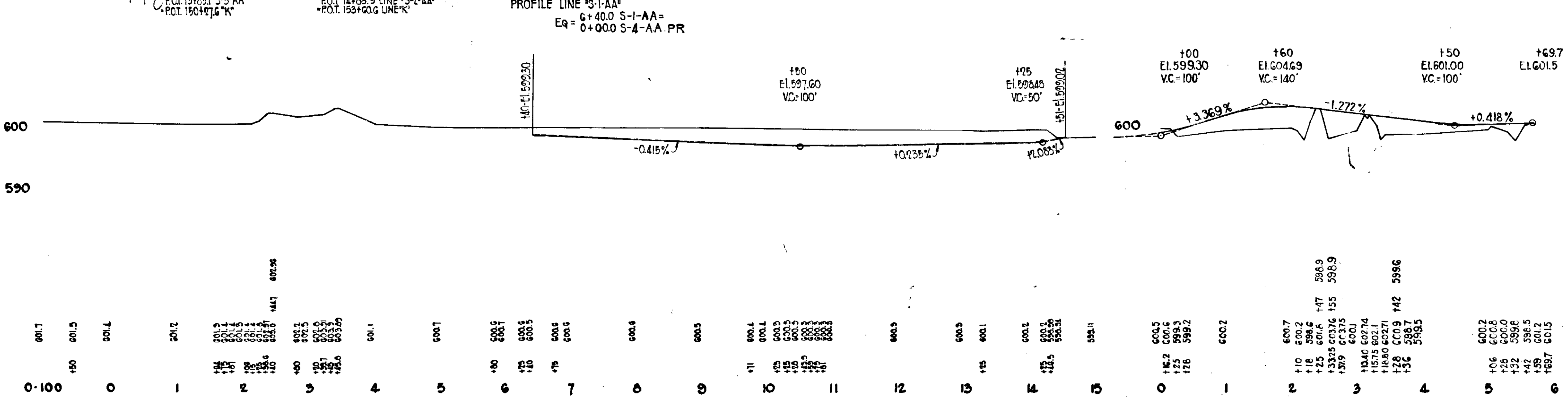


- STRUCTURE NO. 127
Catch Basin in Place.
No Changes Req'd.
- STRUCTURE NO. 128
Catch Basin in Place.
Remove Catch Basin
and Seal Pipes in Place.
- STRUCTURE NO. 129
Manhole in Place.
Adjust Casting to Grade.
- STRUCTURE NO. 130
Manhole in Place.
Adjust Casting to Grade.
- STRUCTURE NO. 131
Std. Catch Basin Type C5 Req'd.
Connect to Str. No. 133
- STRUCTURE NO. 123
Manhole in place
Adjust Casting to grade
- STRUCTURE NO. 126
69" of 15" R.C. VC, C.I. or
Conc. Pipe in place

- STRUCTURE NO. 132
Std. Catch Basin Type C-5 Req'd.
Connect to Str. No. 135
- STRUCTURE NO. 133
15" of 15" R.C. VC, C.I. or Conc. Pipe Req'd.
Connect to Str. No. 131 & 134
- STRUCTURE NO. 134
Manhole in Place.
Adjust Casting to Grade.
- STRUCTURE NO. 135
48" of 15" R.C. VC, C.I. or Conc. Pipe Req'd.
Connect to Str. No. 132 & 136
- STRUCTURE NO. 136
Manhole in Place.
Adjust Casting to Grade.
- STRUCTURE NO. 124
54" of 15" R.C. VC, C.I. or
Conc. Pipe Req'd.

- STRUCTURE NO. 137
27" of 12" R.C. VC, C.I. or Conc. Pipe Req'd.
Connect to Str. No. 136 & 138
- STRUCTURE NO. 138
Std. Catch Basin Type A-1 Req'd.
Connect to Str. No. 137
- STRUCTURE NO. 139
Manhole in Place.
Adjust Casting to Grade.
If Reconstructed Manhole Req'd.
- STRUCTURE NO. 140
Manhole in Place.
Adjust Casting to Grade.
If Reconstructed Manhole Req'd.
- STRUCTURE NO. 125
60" of 15" R.C. VC, C.I. or
Conc. Pipe Req'd.
Const. Inlet & Outlet Ditches.

NOTE:
FLASHER LIGHTS & SHORT ARM GATES TO
BE CONSTRUCTED UNDER SEPARATE CONTRACT



ALL R/W ON THIS SHEET AS SHOWN
FROM PAPER RELOCATION &

STRUCTURE NO. 8
 1 1/2' of 6" Bitum. Coated Rrf C.M.
 V.C. Sewer; Cem. Conc. Sewer or
 Perf V.C. Sewer. Reqd.
 Connect to Str. No. 9

STRUCTURE NO. 9
 Std. Inlet Type "E-2" Reqd.

STRUCTURE NO. 10
 84" of 12" RC, V.C. or
 Conc. Pipe Reqd.
 Connect to Str. No. 9

Do not apply
 to this Contract

STRUCTURE NO. 11
 Manhole in Place, Remove
 Manhole and Seal Pipes in Place.

STRUCTURE NO. 10
 Manhole in Place, Remove
 Manhole and Seal Pipes in Place.

STRUCTURE NO. 13
 Inlet in Place, Remove
 Inlet and Seal Pipe in Place

STRUCTURE NO. 14
 Catch Basin in Place, Remove
 Catch Basin and Seal Pipes in Place.

STRUCTURE NO. 15
 Manhole in Place, Remove
 Manhole and Seal Pipes in Place.

STRUCTURE NO. 16
 Inlet in Place, Remove
 Inlet and Seal Pipe in Place.

STRUCTURE NO. 17
 Catch Basin in Place, Remove
 Catch Basin and Seal Pipes in Place.

STRUCTURE NO. 18
 Inlet in Place, Remove
 Inlet and Seal Pipe in Place.

STRUCTURE NO. 19
 Catch Basin in Place, Remove
 Catch Basin and Seal Pipes in Place.

STRUCTURE NO. 20
 Manhole in Place, Remove
 Manhole and Seal Pipes in Place.

STRUCTURE NO. 21
 141' of 18" RC, or CI Pipe Reqd.
 Connect to Str. No. 22.

STRUCTURE NO. 22
 Spec. Catch Basin Type "H-7" Reqd.
 Connect to Str. No. 23.

STRUCTURE NO. 23
 192' of 24" RC, V.C. or
 Conc. Pipe Reqd.

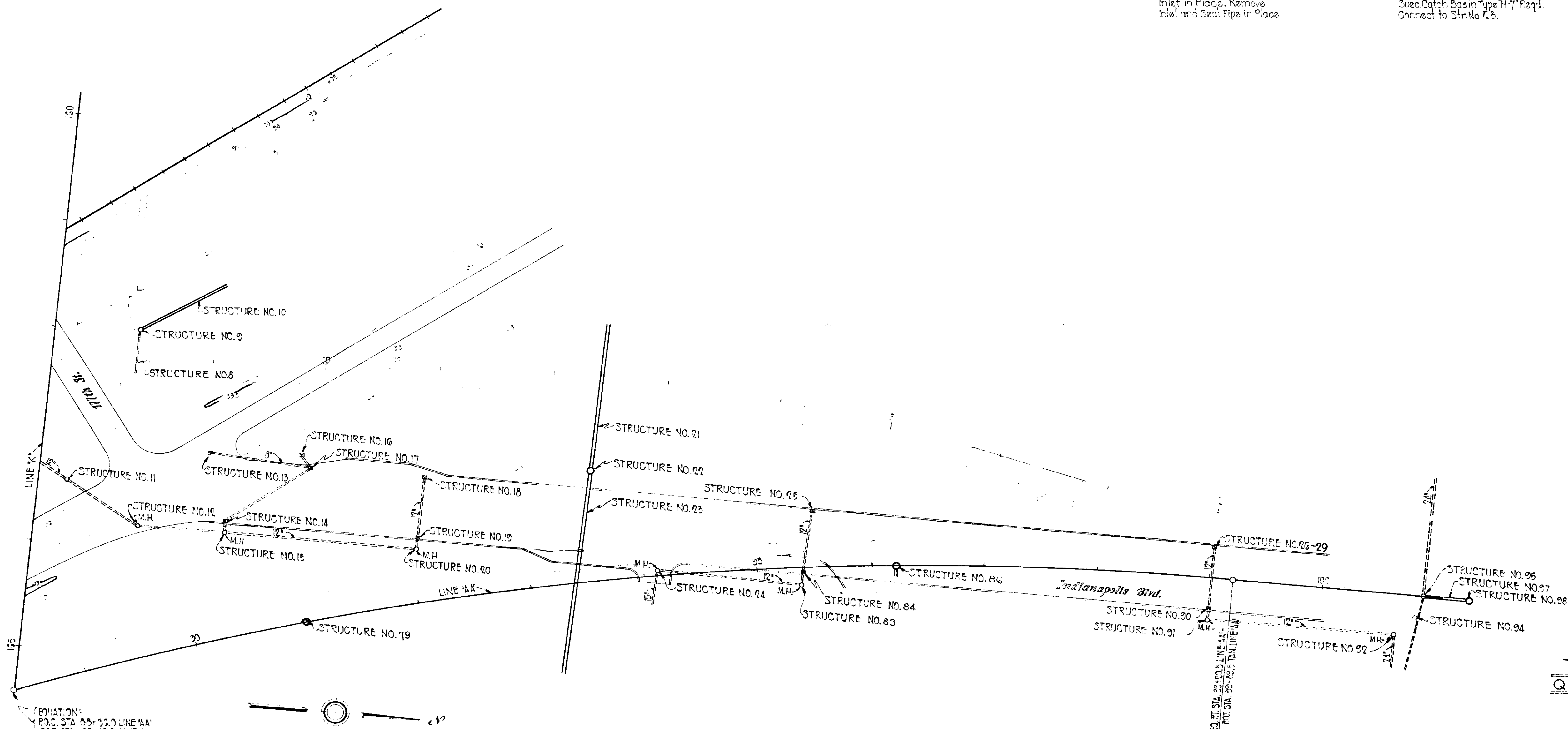
STRUCTURE NO. 24
 Manhole in Place, Remove
 Manhole and Seal Pipes in Place.

STRUCTURE NO. 25
 Inlet in Place, Remove
 Inlet and Seal Pipe in Place.

STRUCTURE NO. 26-29
 Inlet in Place, Remove
 Inlet and Seal Pipe in Place.

STRUCTURE NO. 29
 83, 84, 86, 90 and 31
 See Sheet No. 20

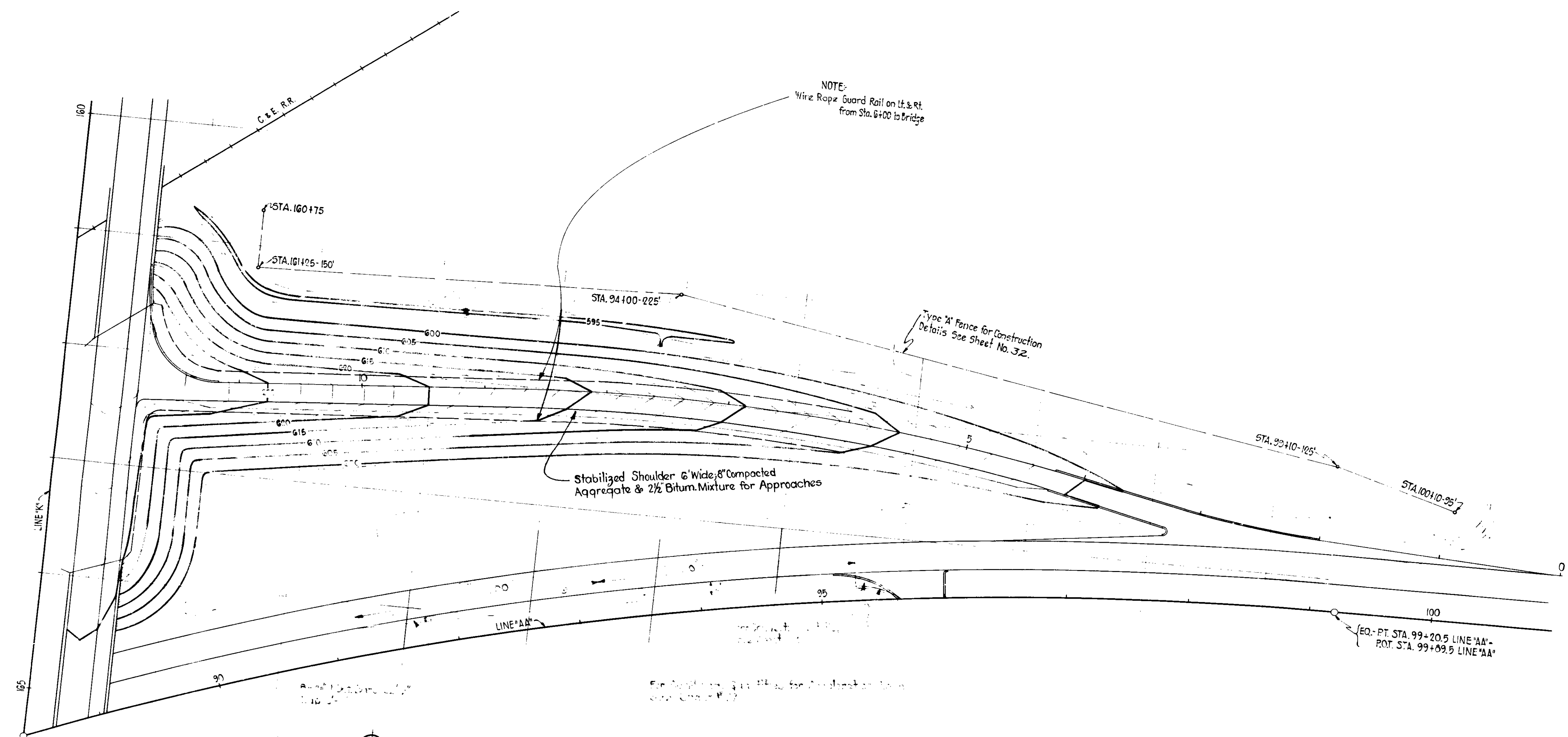
STRUCTURE NO.
 92, 94, 95, 97 and 98
 See Sheet No. 13



EQUATION:
 P.O.C. STA. 00+22.0 LINE "AA"
 P.O.T. STA. 165+22.5 LINE "K"

NW
QUADRANT
 Structures

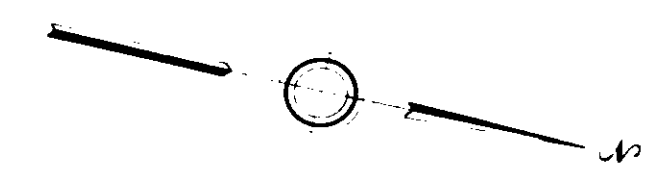
FEDERAL ROAD DIVISION	STATE	U.S. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	265(A)	1951	16	97



EQUATION:
 P.O.C. STA. 99+36.0 LINE 'AA'
 P.O.T. STA. 105+42.5 LINE 'KK'



NW
QUADRANT
 Pavement & Grading



STRUCTURE NO. 30
Manhole in Place. Adjust
Casting to grade, Reconstruct
15' of Manhole

STRUCTURE NO. 31
Manhole in Place.
No Changes Req'd

STRUCTURE NO. 32
Manhole in Place.
Adjust Casting to Grade,
2' of Reconstructed Manhole Req'd.

STRUCTURE NO. 33
Manhole in Place.
Adjust Casting to Grade,
4' of Reconstructed Manhole Req'd.

STRUCTURE NO. 34
Manhole in Place.
Adjust Casting to Grade,
5' of Reconstructed Manhole Req'd.

STRUCTURE NO. 35
Manhole in Place.
Adjust Casting to Grade,
4' of Reconstructed Manhole Req'd.

STRUCTURE NO. 31 B
90' of 12" R.C., V.C., C.I. or
Conc. Pipe Req'd. Connect to Str. Nos. 31A, 31C

STRUCTURE NO. 31 D
123' of 12" R.C., V.C., C.I. or
Conc. Pipe Req'd.
Connect to Str. No. 31C, 31E

STRUCTURE NO. 31 F
51' of 15" R.C., V.C., C.I. or
Conc. Pipe Req'd.
Connect to Str. No. 31E

STRUCTURE NO. 36
Manhole in Place.
Adjust Casting to Grade,
2' of Reconstructed Manhole Req'd.

STRUCTURE NO. 37
Manhole in Place.
Adjust Casting to Grade,
3' of Reconstructed Manhole Req'd.

STRUCTURE NO. 38
Std. Inlet Type E-7 Req'd.
Connect to Str. No. 39

STRUCTURE NO. 39
111' of 12" R.C., V.C., C.I.
or Conc. Pipe Req'd.

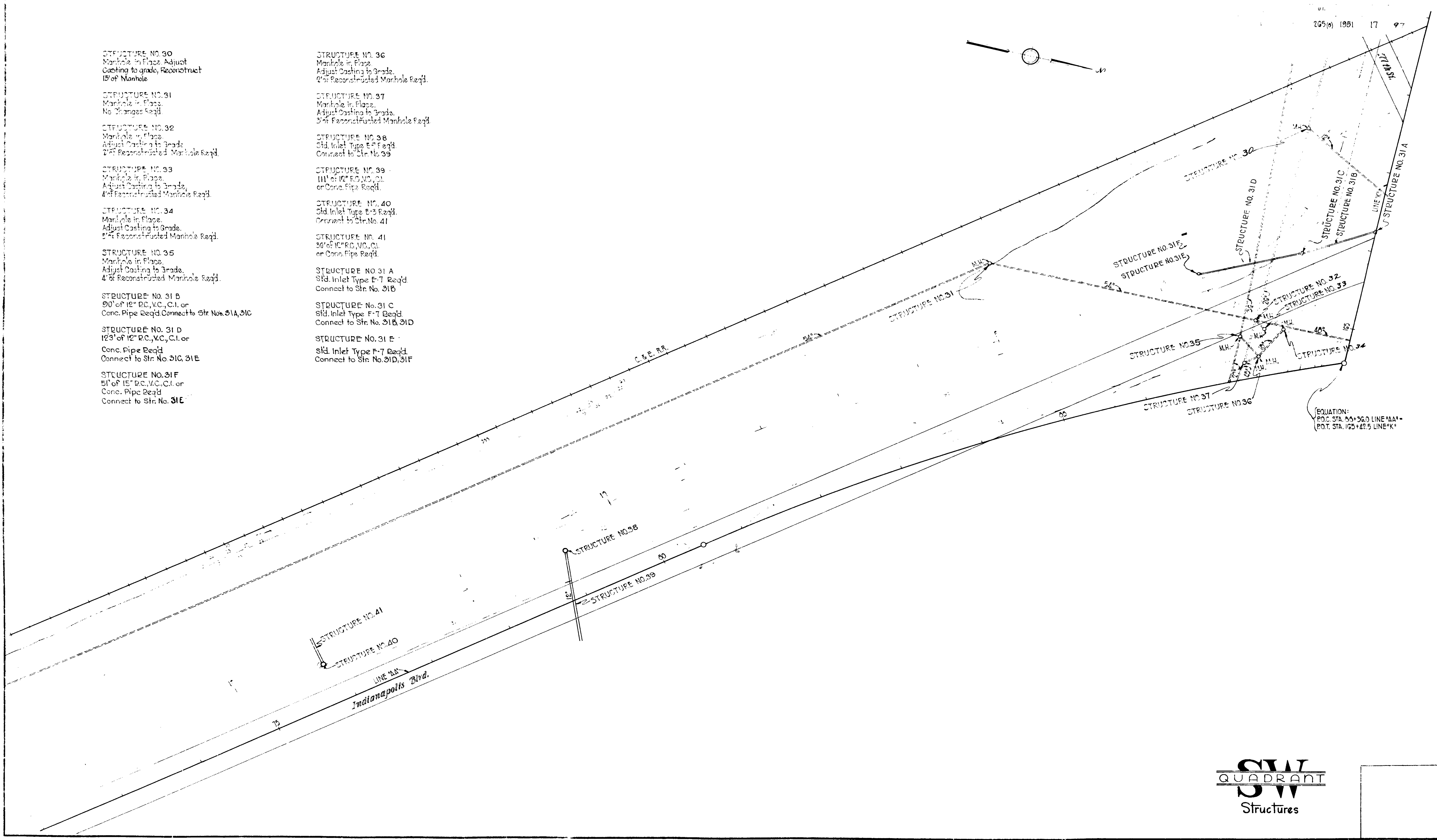
STRUCTURE NO. 40
Std. Inlet Type E-3 Req'd.
Connect to Str. No. 41

STRUCTURE NO. 41
36' of 10" R.C., V.C., C.I.
or Conc. Pipe Req'd.

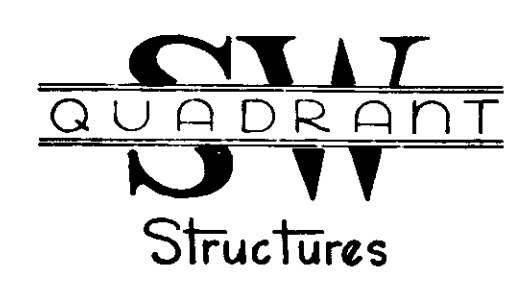
STRUCTURE NO. 31 A
Std. Inlet Type E-7 Req'd.
Connect to Str. No. 31B

STRUCTURE NO. 31 C
Std. Inlet Type F-7 Req'd.
Connect to Str. No. 31B, 31D

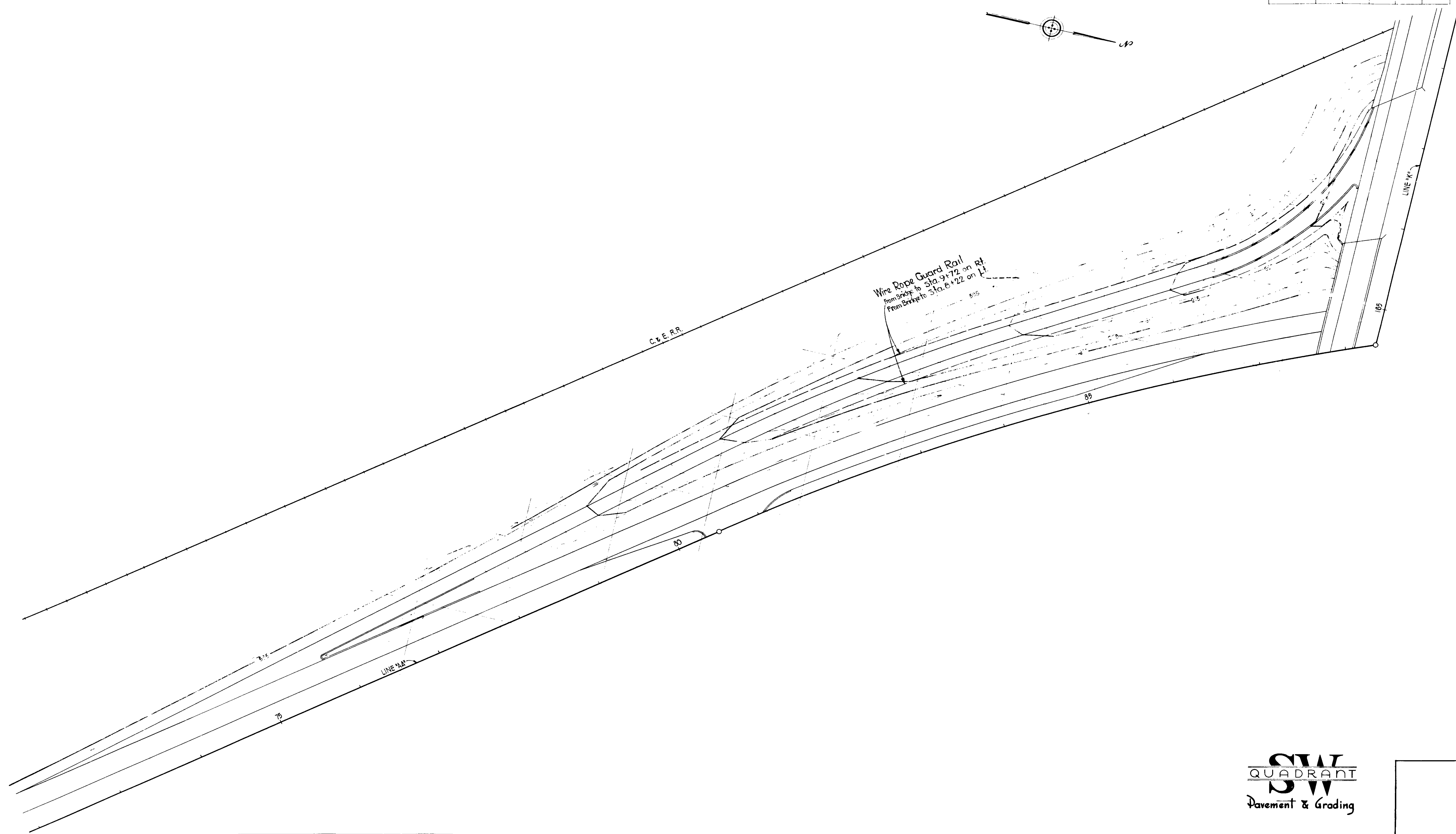
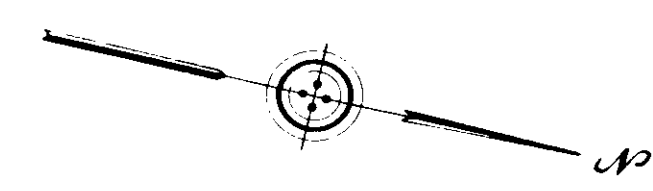
STRUCTURE NO. 31 E
Std. Inlet Type F-7 Req'd.
Connect to Str. No. 31D, 31F



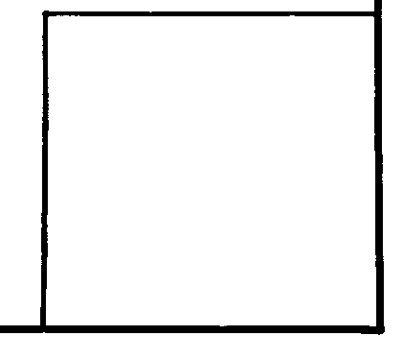
EQUATION:
P.O.C. STA. 55+26.0 LINE "AA"
P.O.T. STA. 105+42.5 LINE "K"



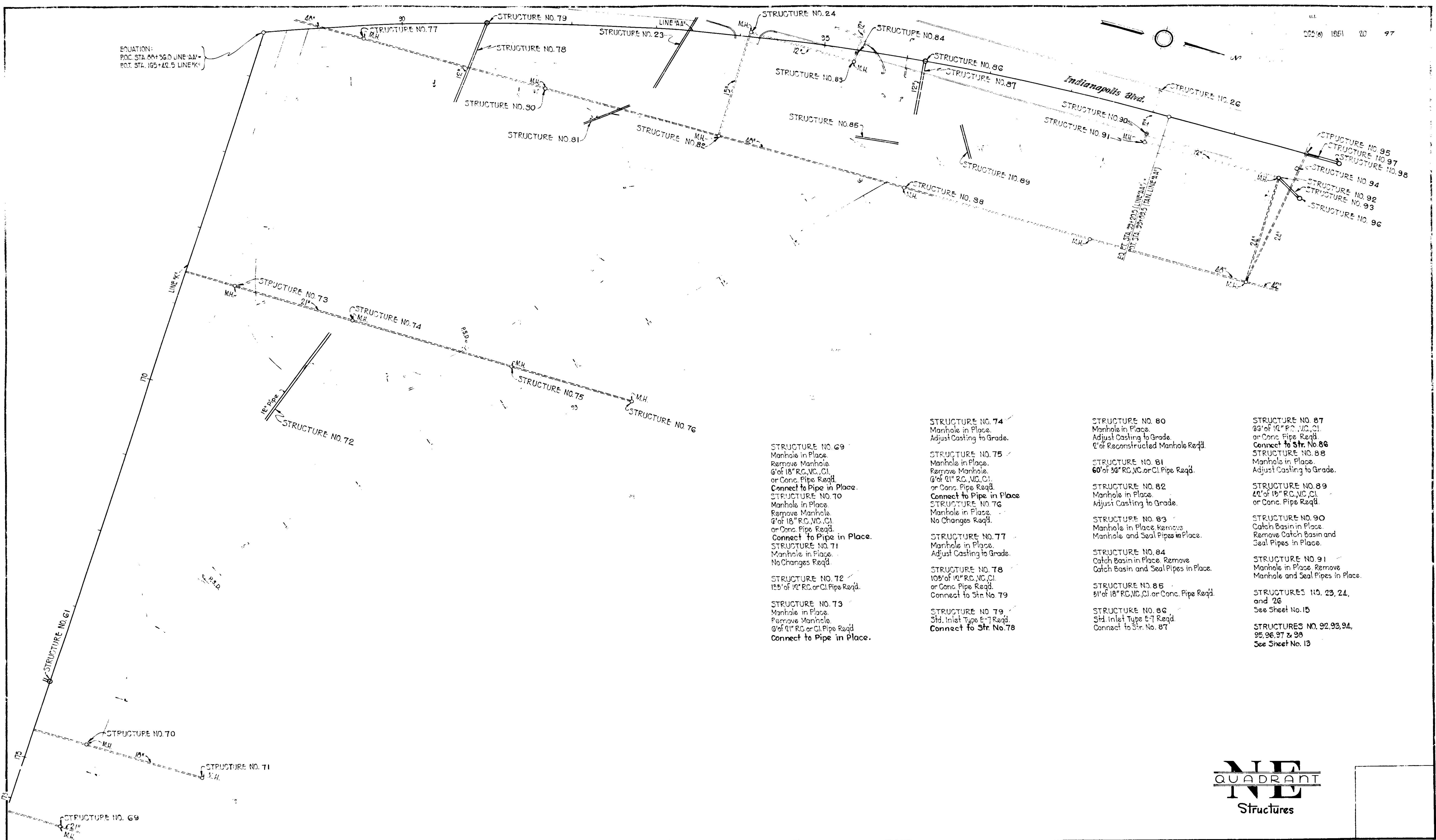
FEDERAL ROAD DIVISION NO.	STATE	U.S. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	265 (a)	1951	18	97



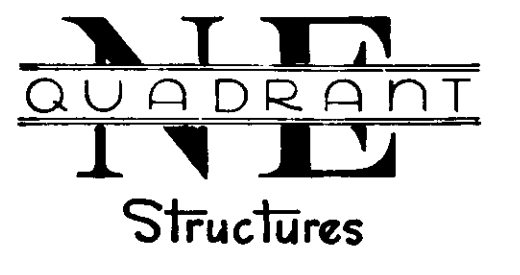
SWI
QUADRANT
SW
 Pavement & Grading



EQUATION:
P.O.C. STA. 881+36.0 LINE AA'
P.O.T. STA. 105+42.5 LINE K'



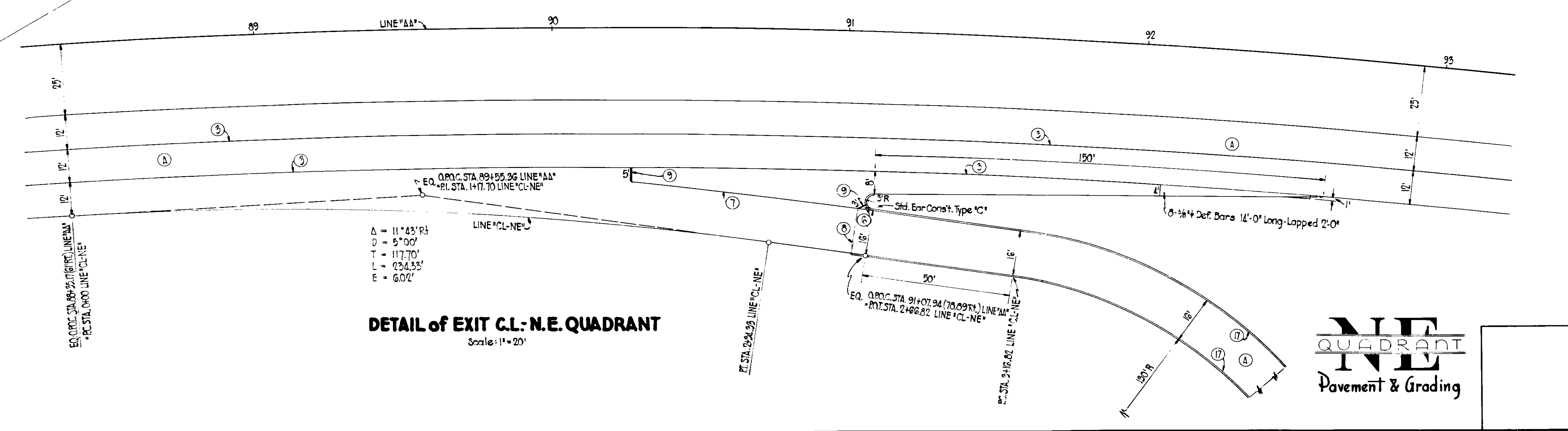
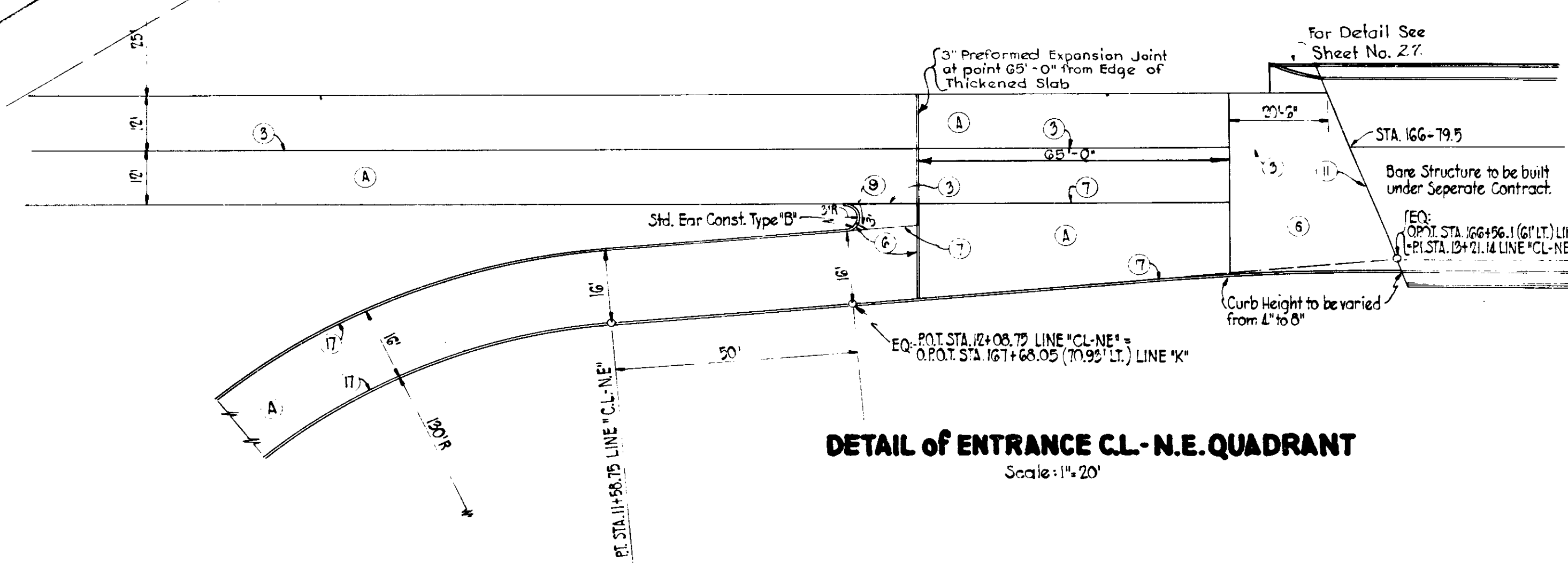
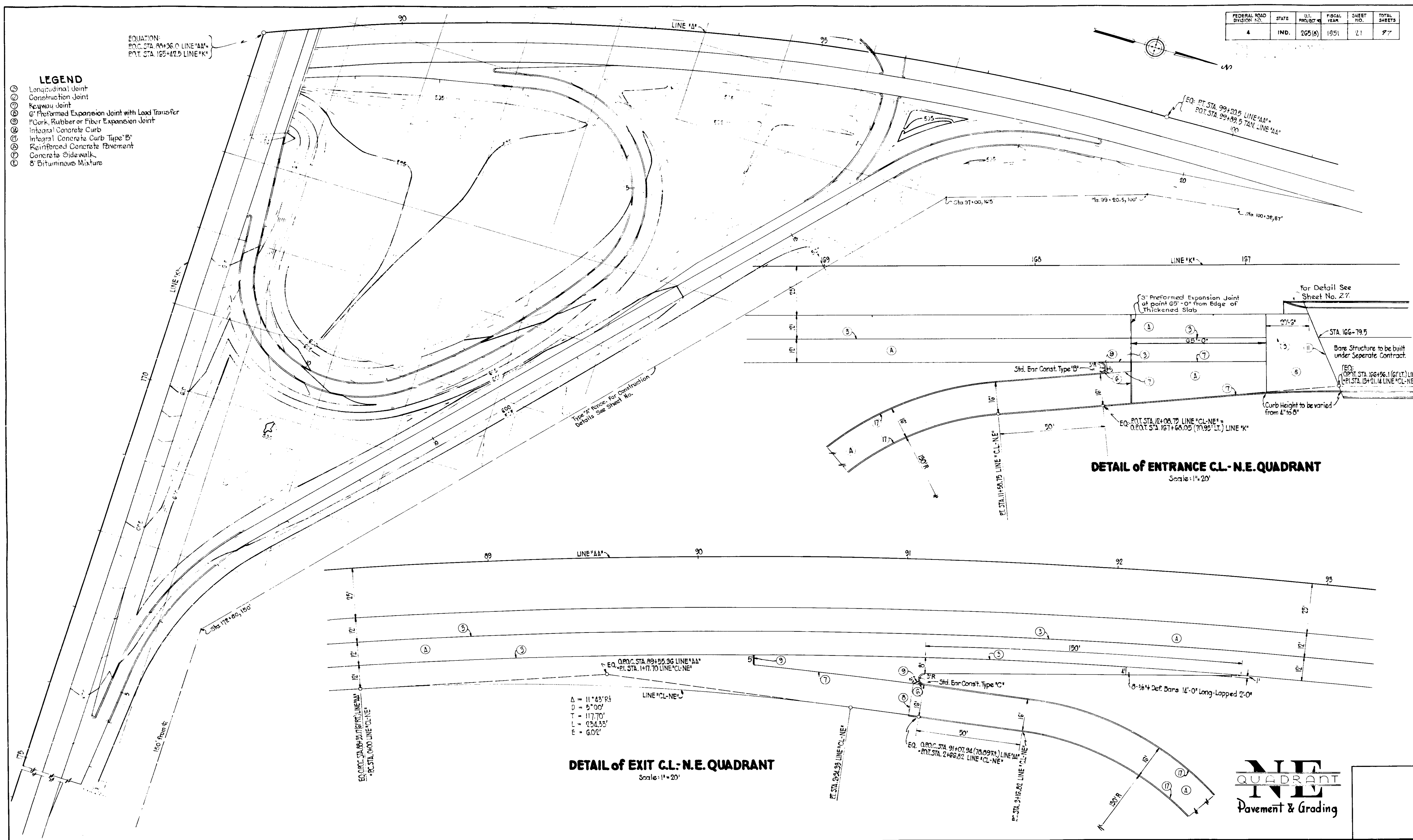
- | | | | |
|--|--|--|---|
| <p>STRUCTURE NO. 69
Manhole in Place.
Remove Manhole.
6' of 18" RC, VC, CI,
or Conc. Pipe Req'd.
Connect to Pipe in Place.</p> <p>STRUCTURE NO. 70
Manhole in Place.
Remove Manhole.
6' of 18" RC, VC, CI,
or Conc. Pipe Req'd.
Connect to Pipe in Place.</p> <p>STRUCTURE NO. 71
Manhole in Place.
No Changes Req'd.</p> <p>STRUCTURE NO. 72
125' of 12" RC or CI Pipe Req'd.</p> <p>STRUCTURE NO. 73
Manhole in Place.
Remove Manhole.
0' of 21" RC or CI Pipe Req'd.
Connect to Pipe in Place.</p> | <p>STRUCTURE NO. 74
Manhole in Place.
Adjust Casting to Grade.</p> <p>STRUCTURE NO. 75
Manhole in Place.
Remove Manhole.
6' of 21" RC, VC, CI,
or Conc. Pipe Req'd.
Connect to Pipe in Place.</p> <p>STRUCTURE NO. 76
Manhole in Place.
No Changes Req'd.</p> <p>STRUCTURE NO. 77
Manhole in Place.
Adjust Casting to Grade.</p> <p>STRUCTURE NO. 78
105' of 12" RC, VC, CI,
or Conc. Pipe Req'd.
Connect to Str. No. 79</p> <p>STRUCTURE NO. 79
Std. Inlet Type E-7 Req'd.
Connect to Str. No. 78</p> | <p>STRUCTURE NO. 80
Manhole in Place.
Adjust Casting to Grade.
2' of Reconstructed Manhole Req'd.</p> <p>STRUCTURE NO. 81
60' of 30" RC, VC or CI Pipe Req'd.</p> <p>STRUCTURE NO. 82
Manhole in Place.
Adjust Casting to Grade.</p> <p>STRUCTURE NO. 83
Manhole in Place. Remove
Manhole and Seal Pipes in Place.</p> <p>STRUCTURE NO. 84
Catch Basin in Place. Remove
Catch Basin and Seal Pipes in Place.</p> <p>STRUCTURE NO. 85
51' of 18" RC, VC, CI or Conc. Pipe Req'd.</p> <p>STRUCTURE NO. 86
Std. Inlet Type E-7 Req'd.
Connect to Str. No. 87</p> | <p>STRUCTURE NO. 87
66' of 12" RC, VC, CI,
or Conc. Pipe Req'd.
Connect to Str. No. 86</p> <p>STRUCTURE NO. 88
Manhole in Place.
Adjust Casting to Grade.</p> <p>STRUCTURE NO. 89
42' of 15" RC, VC, CI,
or Conc. Pipe Req'd.</p> <p>STRUCTURE NO. 90
Catch Basin in Place.
Remove Catch Basin and
Seal Pipes in Place.</p> <p>STRUCTURE NO. 91
Manhole in Place. Remove
Manhole and Seal Pipes in Place.</p> <p>STRUCTURES NO. 92, 93,
and 94
See Sheet No. 15</p> <p>STRUCTURES NO. 95, 96, 97 & 98
See Sheet No. 13</p> |
|--|--|--|---|



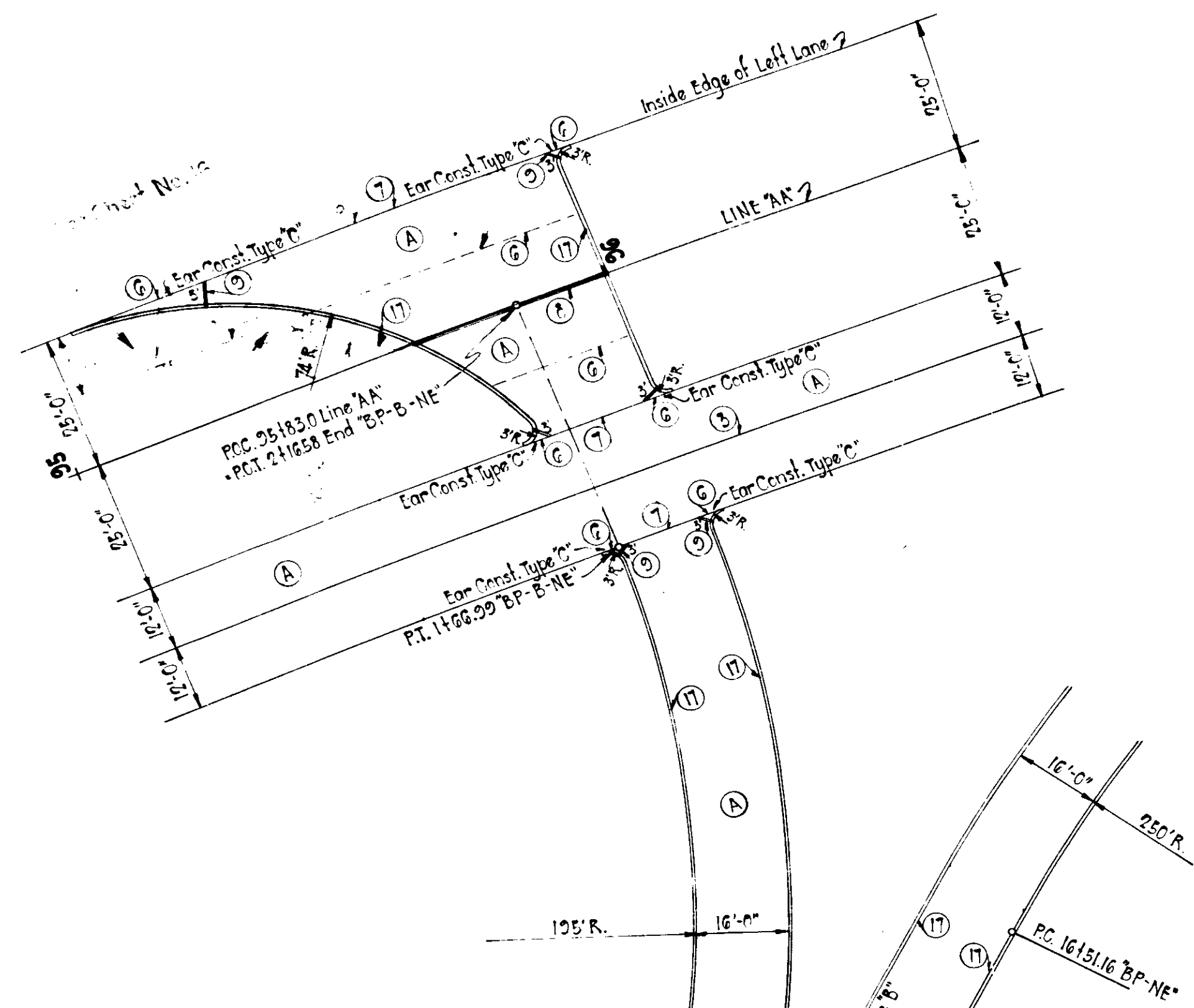
FEDERAL ROAD DIVISION NO.	STATE	U.S. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	265(6)	1951	21	77

EQUATION:
 P.O.C. STA. 89+36.0 LINE "AA"
 P.O.T. STA. 165+42.5 LINE "K"

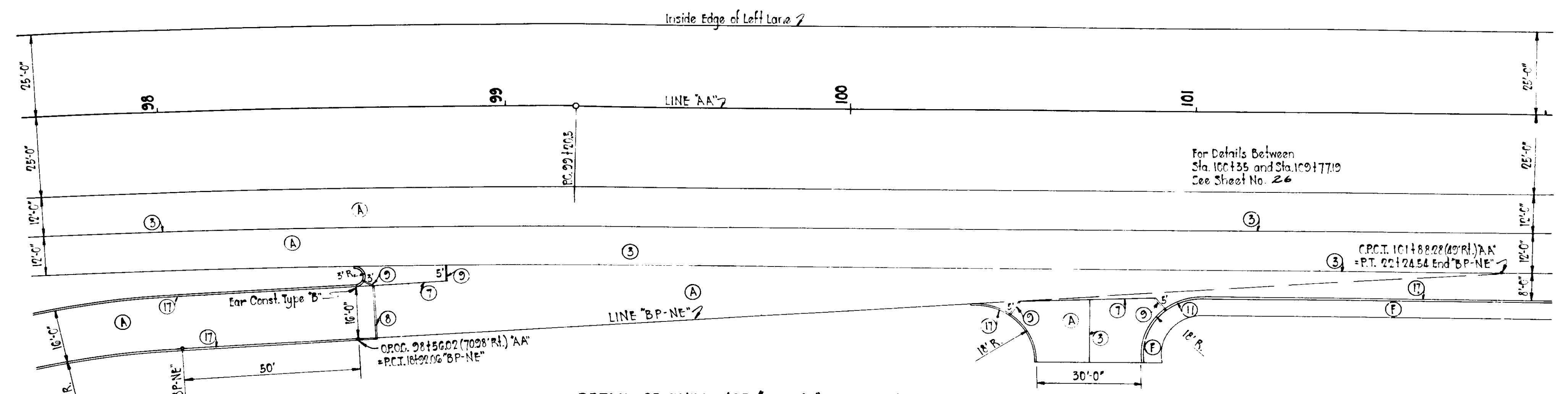
- LEGEND**
- ① Longitudinal Joint
 - ② Construction Joint
 - ③ Keyway Joint
 - ④ 6" Preformed Expansion Joint with Load Transfer
 - ⑤ Cork, Rubber or Fiber Expansion Joint
 - ⑥ Integral Concrete Curb
 - ⑦ Reinforced Concrete Pavement
 - ⑧ Concrete Sidewalk
 - ⑨ 8" Bituminous Mixture



NE
 QUADRANT
 Pavement & Grading



DETAIL OF ENTRANCE "BP-B-NE" QUADRANT

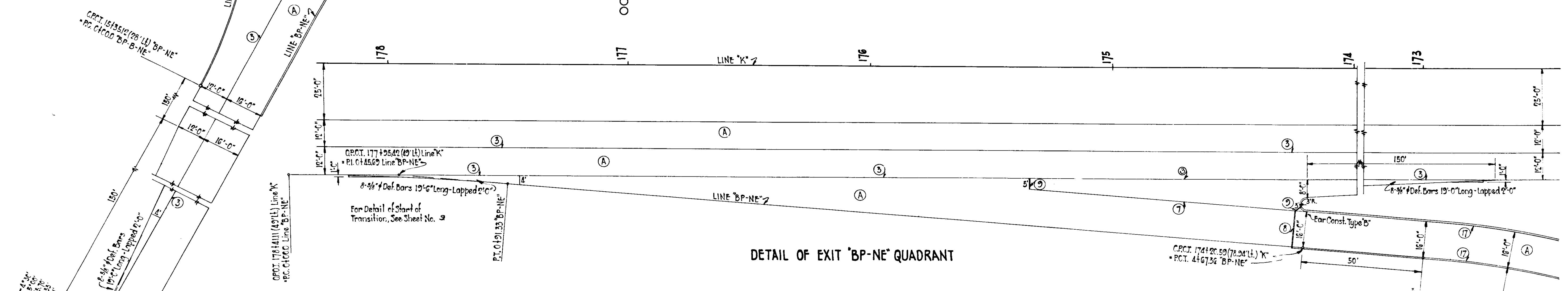


DETAIL OF ENTRANCE "BP-NE" QUADRANT

- LEGEND**
- ① Longitudinal Joint
 - ② Construction Joint
 - ③ Keyway Joint
 - ④ 1" Preformed Expansion Joint with Load Transfer
 - ⑤ 1" Cork, Rubber or Fiber Expansion Joint
 - ⑥ 1" Preformed Expansion Joint
 - ⑦ Integral Concrete Curb
 - ⑧ Integral Concrete Curb Type "B"
 - ⑨ Reinforced Concrete Pavement
 - ⑩ Concrete Sidewalk
 - ⑪ 8" Bituminous Mixture

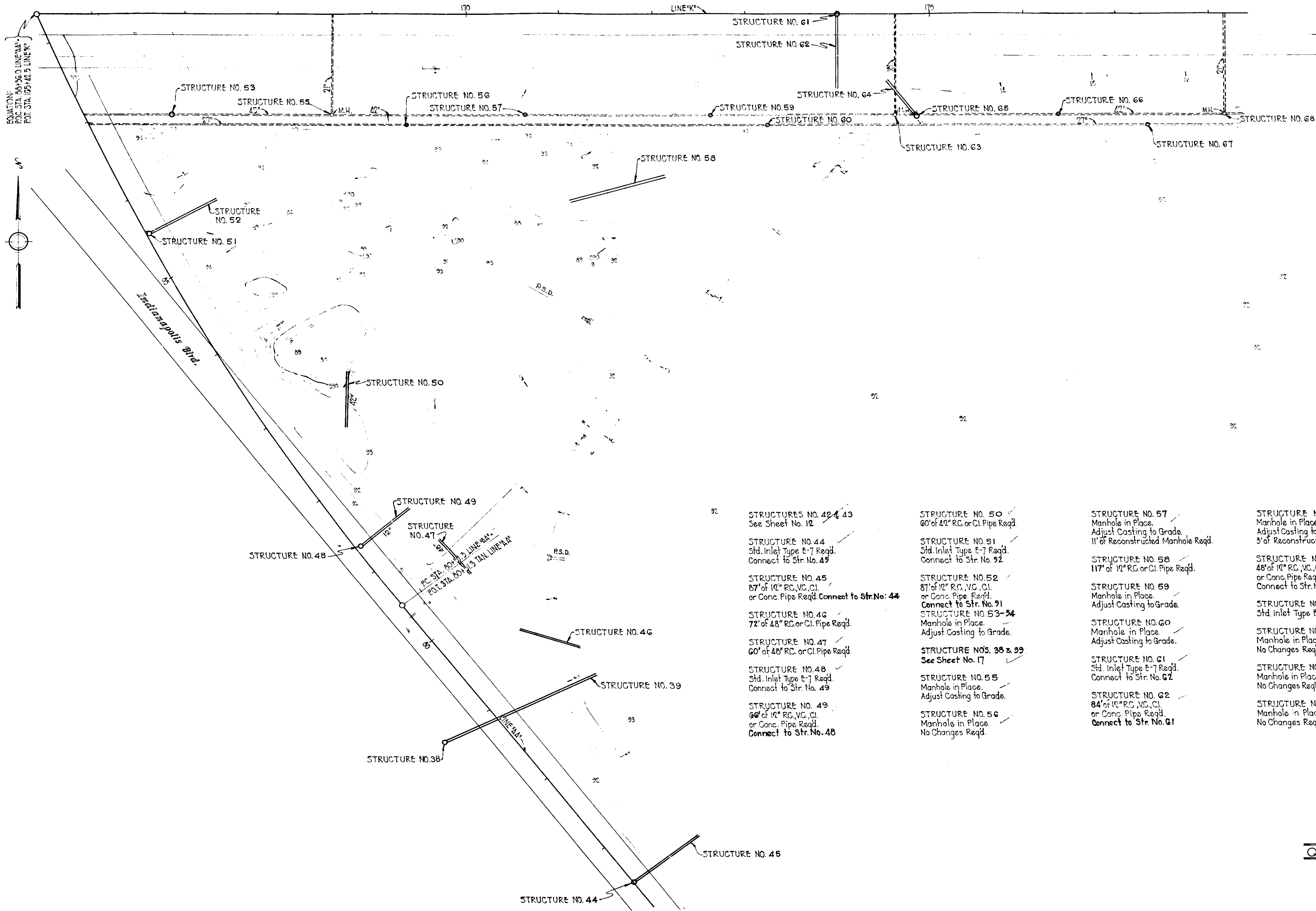
AND SEE SHEET FOR DETAILS OF THE FOLLOWING

①	Longitudinal Joint	See Legend
②	Construction Joint	See Legend
③	Keyway Joint	See Legend
④	1" Preformed Expansion Joint with Load Transfer	See Legend
⑤	1" Cork, Rubber or Fiber Expansion Joint	See Legend
⑥	1" Preformed Expansion Joint	See Legend
⑦	Integral Concrete Curb	See Legend
⑧	Integral Concrete Curb Type "B"	See Legend
⑨	Reinforced Concrete Pavement	See Legend
⑩	Concrete Sidewalk	See Legend
⑪	8" Bituminous Mixture	See Legend



DETAIL OF EXIT "BP-NE" QUADRANT

DETAILS
SCALE: 1" = 20'-0"
N.E. QUADRANT
DETAILS



STRUCTURES NO. 42 & 43
See Sheet No. 12

STRUCTURE NO. 44
Std. Inlet Type E-7 Req'd.
Connect to Str. No. 45

STRUCTURE NO. 45
87' of 12" RC, VC, CI.
or Conc. Pipe Req'd. **Connect to Str. No. 44**

STRUCTURE NO. 46
72' of 48" RC or CI. Pipe Req'd.

STRUCTURE NO. 47
60' of 48" RC or CI. Pipe Req'd.

STRUCTURE NO. 48
Std. Inlet Type E-7 Req'd.
Connect to Str. No. 49

STRUCTURE NO. 49
60' of 12" RC, VC, CI.
or Conc. Pipe Req'd.
Connect to Str. No. 48

STRUCTURE NO. 50
60' of 42" RC or CI. Pipe Req'd.

STRUCTURE NO. 51
Std. Inlet Type E-7 Req'd.
Connect to Str. No. 52

STRUCTURE NO. 52
81' of 12" RC, VC, CI.
or Conc. Pipe Req'd.
Connect to Str. No. 51
STRUCTURE NO. 53-54
Manhole in Place.
Adjust Casting to Grade.

STRUCTURE NOS. 55 & 56
See Sheet No. 17

STRUCTURE NO. 55
Manhole in Place.
Adjust Casting to Grade.

STRUCTURE NO. 56
Manhole in Place.
No Changes Req'd.

STRUCTURE NO. 57
Manhole in Place.
Adjust Casting to Grade.
11' of Reconstructed Manhole Req'd.

STRUCTURE NO. 58
117' of 12" RC or CI. Pipe Req'd.

STRUCTURE NO. 59
Manhole in Place.
Adjust Casting to Grade.

STRUCTURE NO. 60
Manhole in Place.
Adjust Casting to Grade.

STRUCTURE NO. 61
Std. Inlet Type E-7 Req'd.
Connect to Str. No. 62

STRUCTURE NO. 62
84' of 12" RC, VC, CI.
or Conc. Pipe Req'd.
Connect to Str. No. 61

STRUCTURE NO. 63
Manhole in Place.
Adjust Casting to Grade.
3' of Reconstructed Manhole Req'd.

STRUCTURE NO. 64
48' of 12" RC, VC, CI.
or Conc. Pipe Req'd.
Connect to Str. No. 65

STRUCTURE NO. 65
Std. Inlet Type B-5 Req'd.

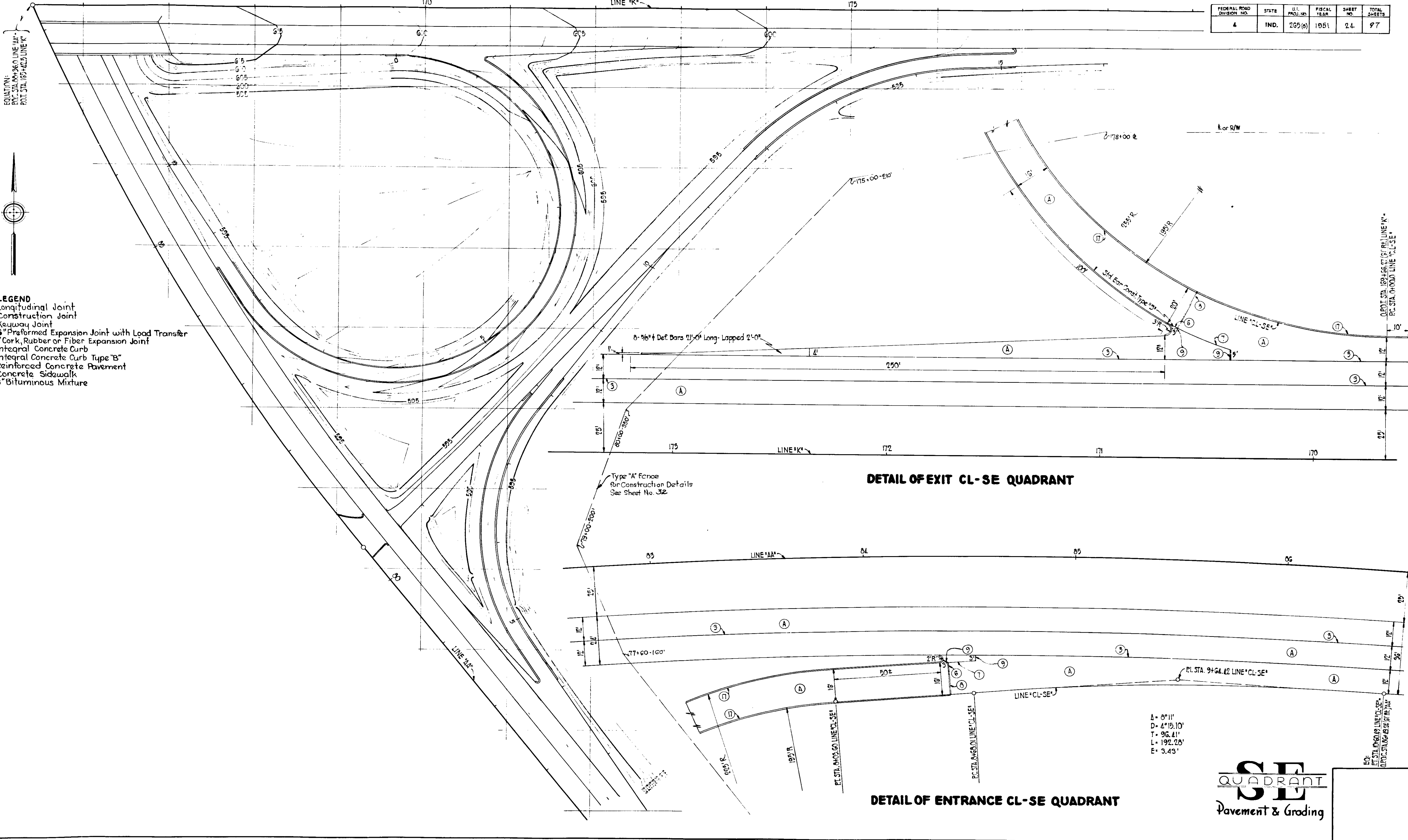
STRUCTURE NO. 66
Manhole in Place.
No Changes Req'd.

STRUCTURE NO. 67
Manhole in Place.
No Changes Req'd.

STRUCTURE NO. 68
Manhole in Place.
No Changes Req'd.

SE
QUADRANT
SE
Structures

FEDERAL ROAD DIVISION NO.	STATE	U.I. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	205(B)	1951	24	97



- LEGEND**
- ⊖ Longitudinal Joint
 - ⊕ Construction Joint
 - ⊗ Keyway Joint
 - ⊙ 6" Preformed Expansion Joint with Load Transfer
 - ⊘ 1" Cork, Rubber or Fiber Expansion Joint
 - ⊚ Integral Concrete Curb
 - ⊛ Integral Concrete Curb Type "B"
 - ⊜ Reinforced Concrete Pavement
 - ⊝ Concrete Sidewalk
 - ⊞ 8" Bituminous Mixture



EQUATION:
 P.C. STA. 105+36.0 LINE "AA"
 P.O.T. STA. 105+42.5 LINE "K"

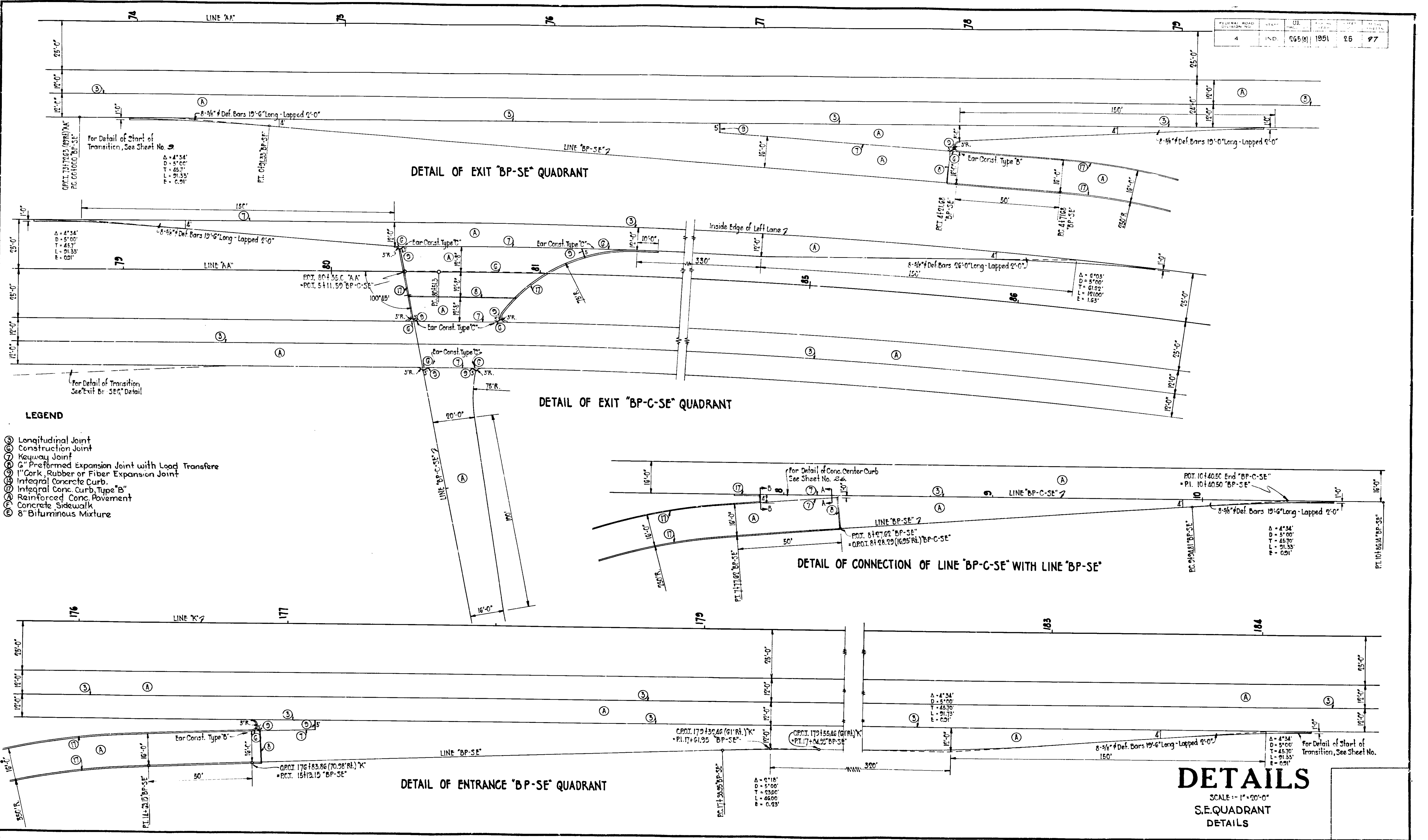
DETAIL OF EXIT CL-SE QUADRANT

DETAIL OF ENTRANCE CL-SE QUADRANT

A = 8° 11'
 D = 4° 15.10'
 T = 96.41'
 L = 192.28'
 E = 3.43'

SE
QUADRANT
 Pavement & Grading

FEDERAL ROAD DIVISION NO.	STATE	U.I.	PROJECT NO.	SHEET NO.	TOTAL SHEETS
4	IND.	065(8)	1951	25	97



- LEGEND**
- ③ Longitudinal Joint
 - ⊕ Construction Joint
 - ⊙ Keyway Joint
 - ⊗ Preformed Expansion Joint with Load Transfers
 - ⊘ 1" Cork, Rubber or Fiber Expansion Joint
 - ⊙ Integral Concrete Curb
 - ⊗ Integral Conc. Curb, Type "B"
 - ⊙ Reinforced Conc. Pavement
 - ⊙ Concrete Sidewalk
 - ⊙ 8" Bituminous Mixture

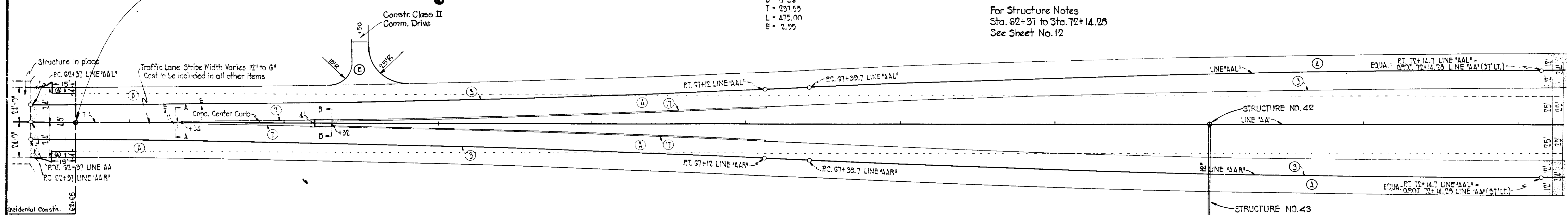
DETAILS
 SCALE: 1" = 20'-0"
 S.E. QUADRANT
 DETAILS

PROJECT NO.	STATE	UNIT	DATE	TOTAL SHEETS
4	IND.	IND.	1951	26
				97

BEGINNING POINT OF CONSTRUCTION ON LINE "AA"
STATION 62+65

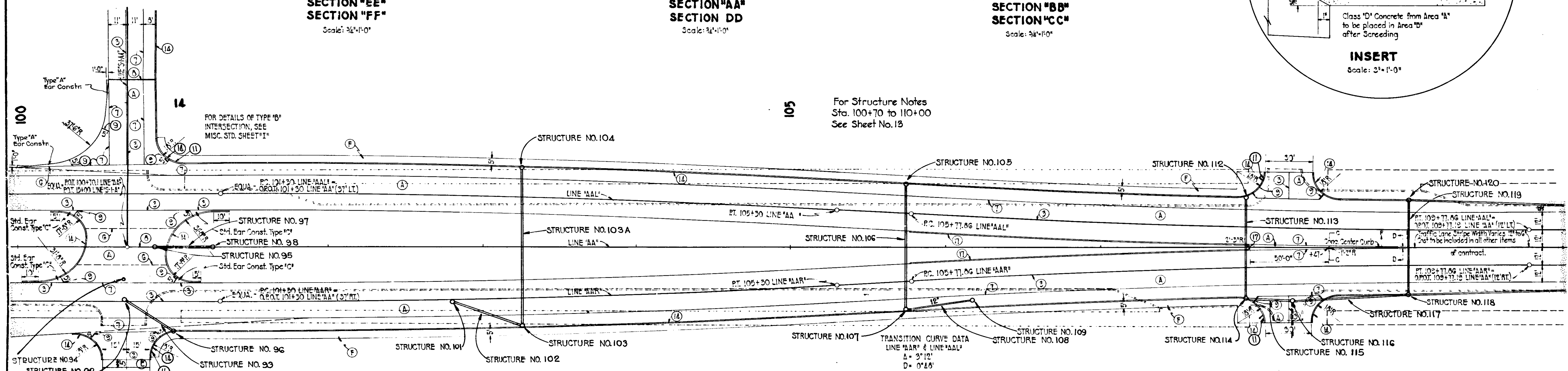
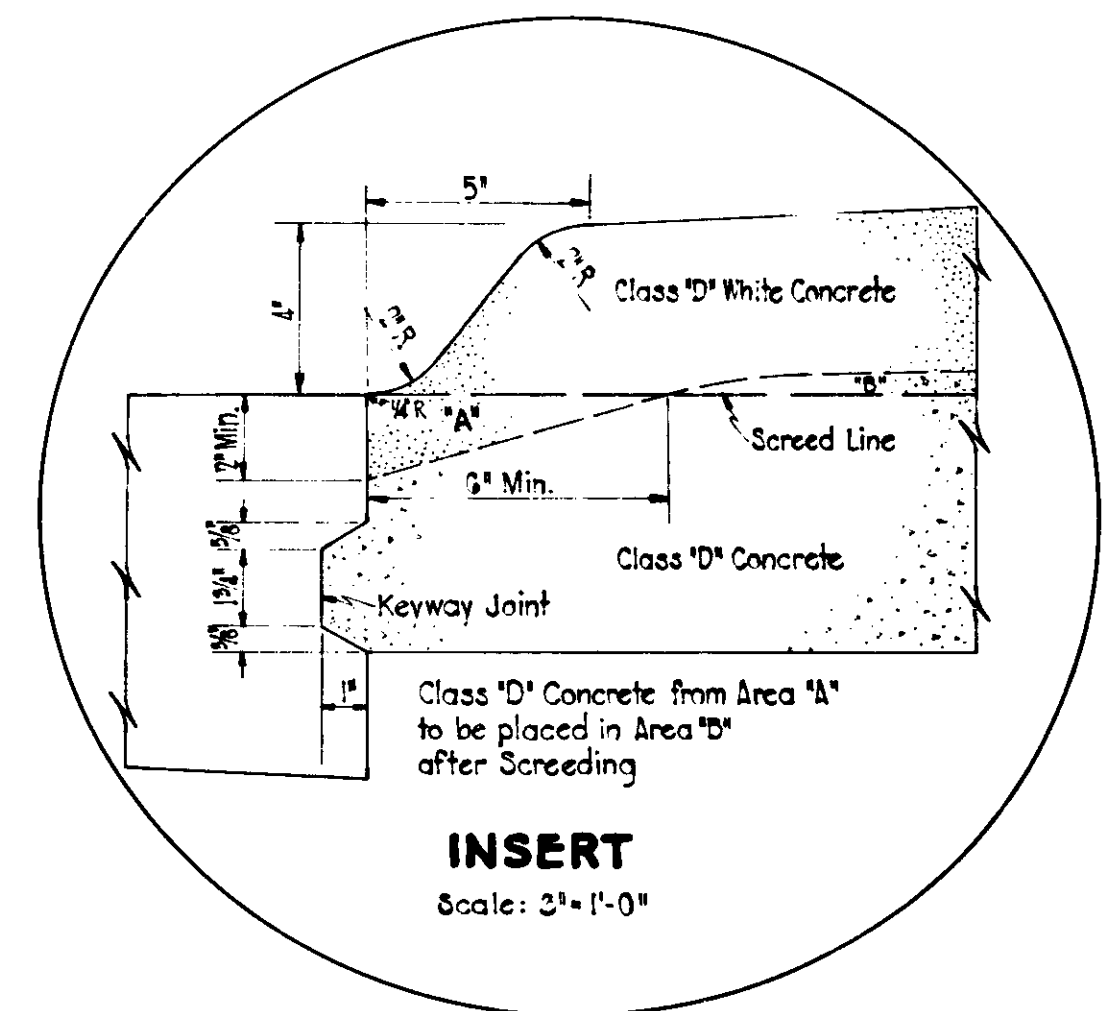
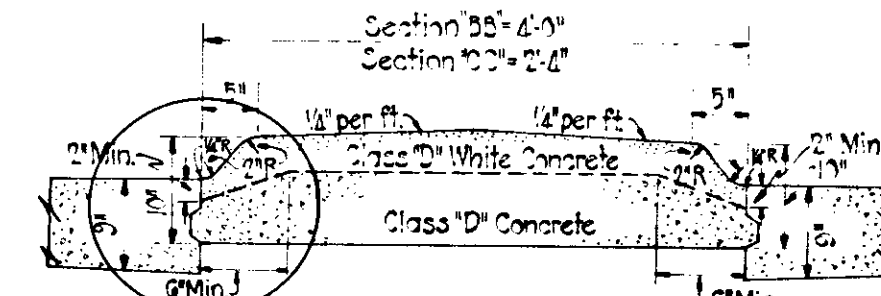
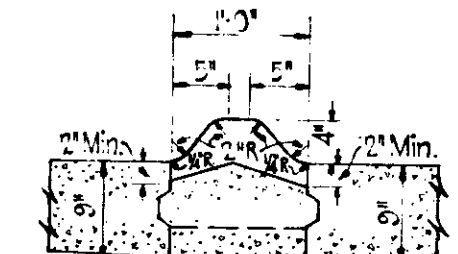
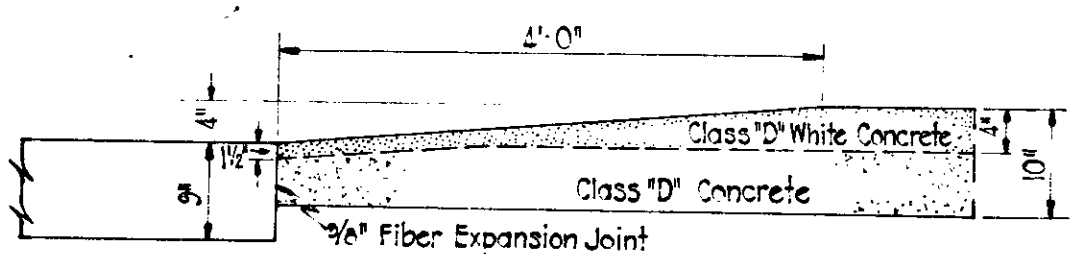
TRANSITION CURVE DATA
LINE "AAR" & LINE "AAL"
Δ = 2°51'
D = 0°26'
T = 237.55
L = 475.00
E = 2.95

For Structure Notes
Sta. 62+37 to Sta. 72+14.28
See Sheet No. 12



DETAIL OF TRANSITION FROM 4 LANE UNDIVIDED TO 4 LANE DIVIDED
STA. 62+37 TO STA. 72+14.28 LINE "AA"
Scale: 1"=30'

- LEGEND**
- ① Standard Thickened Edge
 - ② Standard Thickened Edges
 - ③ Longitudinal Joint
 - ④ Construction Joint
 - ⑤ Keyway Joint
 - ⑥ 6" Preformed Expansion Joint with Load Transfer
 - ⑦ 1" Cork, Rubber or Fiber Expansion Joint
 - ⑧ Integral Concrete Curb
 - ⑨ Integral Concrete Curb Type "B"
 - ⑩ Reinforced Concrete Pavement
 - ⑪ Concrete Sidewalk
 - ⑫ 8" Bituminous Mixture
 - ⑬ 1" Preformed Expansion Joint



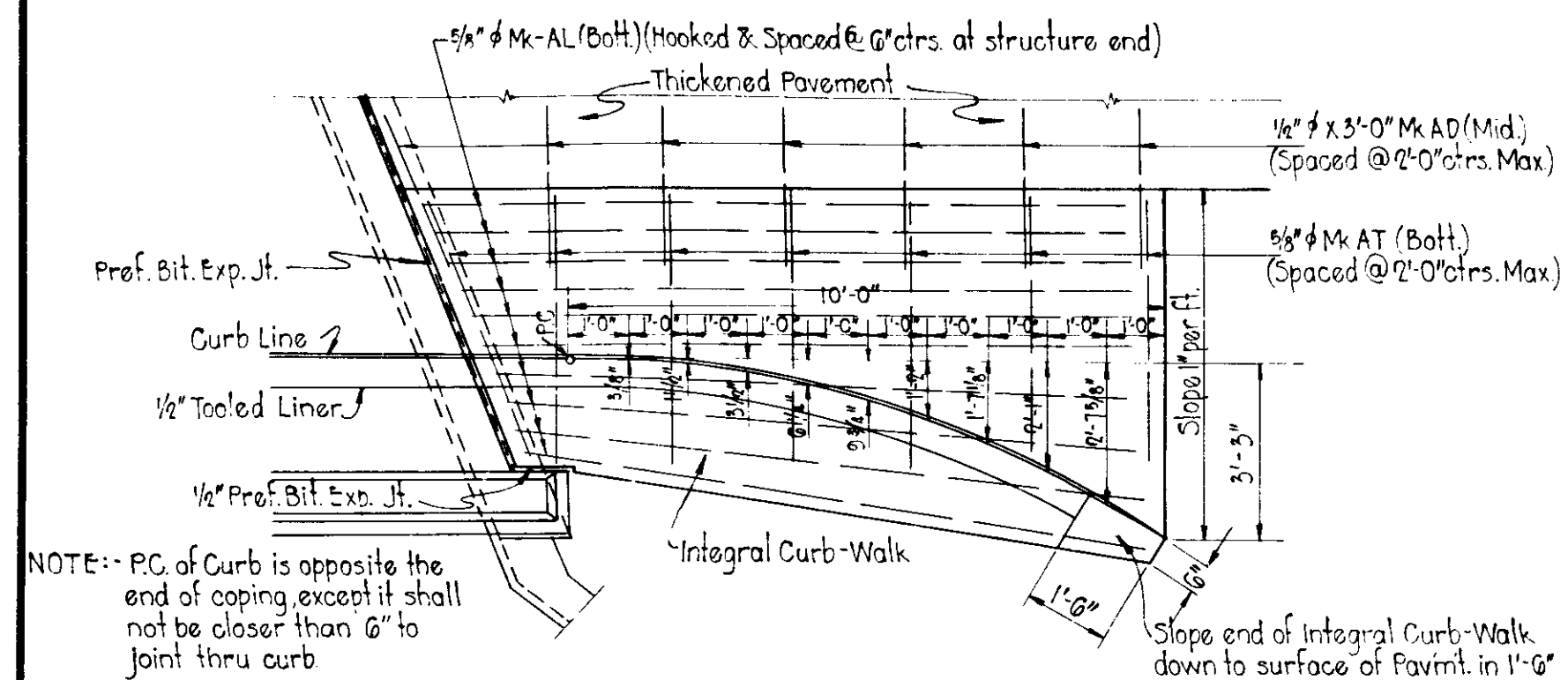
DETAIL OF TRANSITION FROM 4 LANE DIVIDED TO 4 LANE UNDIVIDED
STA. 100+00 TO STA. 109+77.19 LINE "AA"
Scale: 1"=30'

TRANSITION CURVE DATA
LINE "AAR" & LINE "AAL"
Δ = 2°12'
D = 0°26'
T = 200.00
L = 400.00
E = 2.95

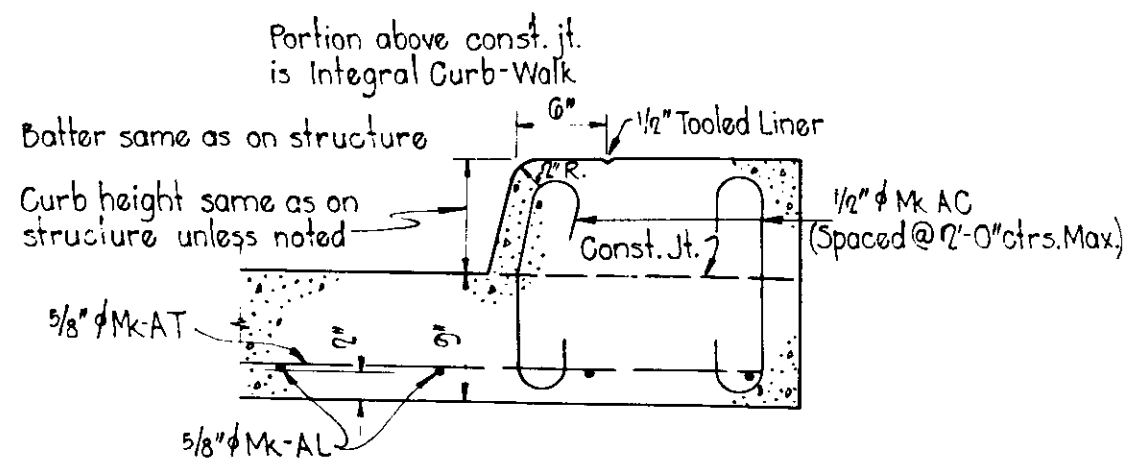
For Structure Notes
Sta. 100+70 to 110+00
See Sheet No. 13

DETAILS
INDIANAPOLIS BLVD.
DETAILS

FEDERAL ROAD DISTRICT NO.	STATE	DATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
4	IND	10/65(6)	1951	27	97

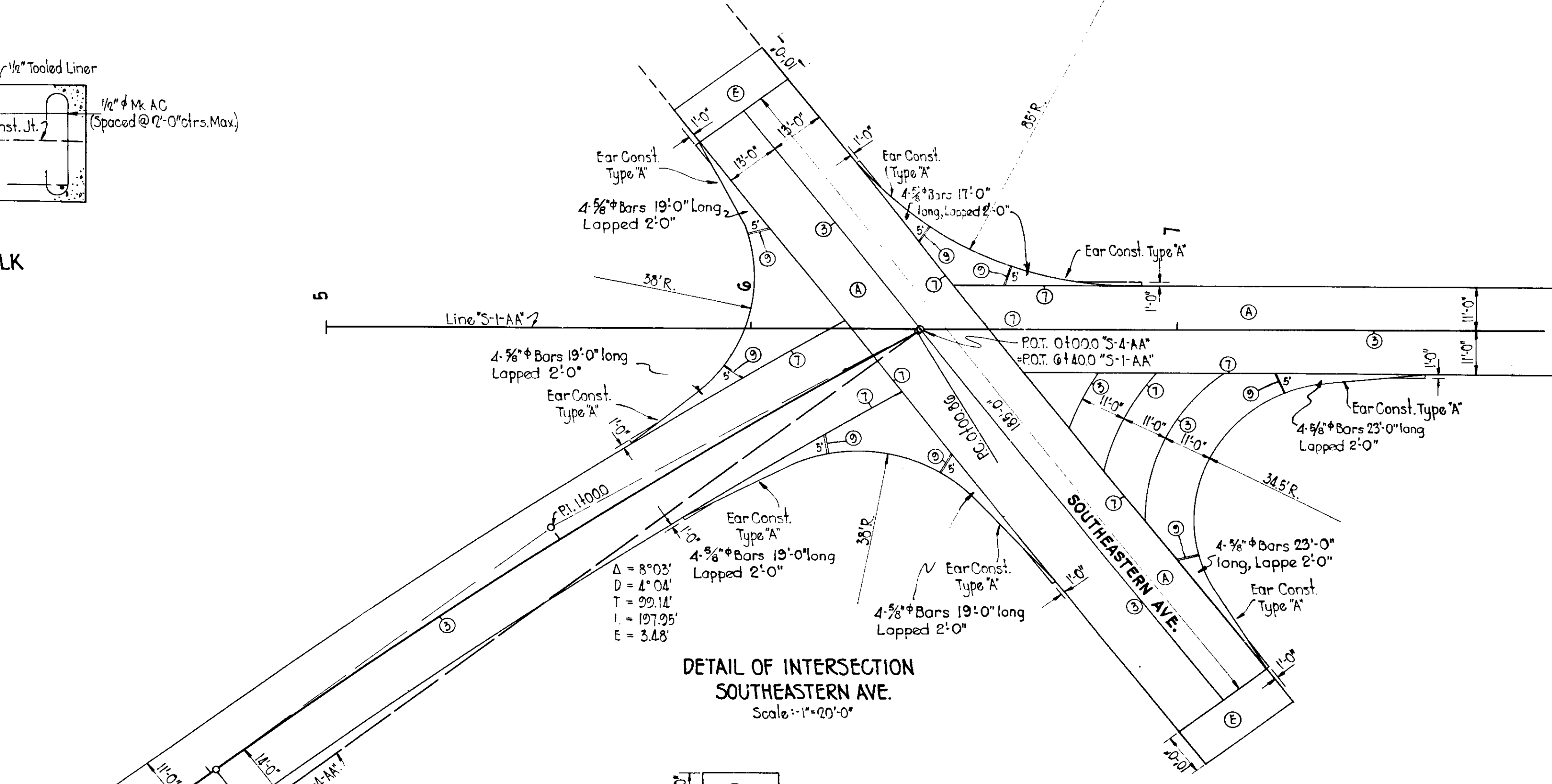


DETAIL OF TYPICAL SIDEWALK TAPER
SHOWING THICKENED PAVEMENT REINFORCEMENT
Scale: 1/2" = 1'-0"

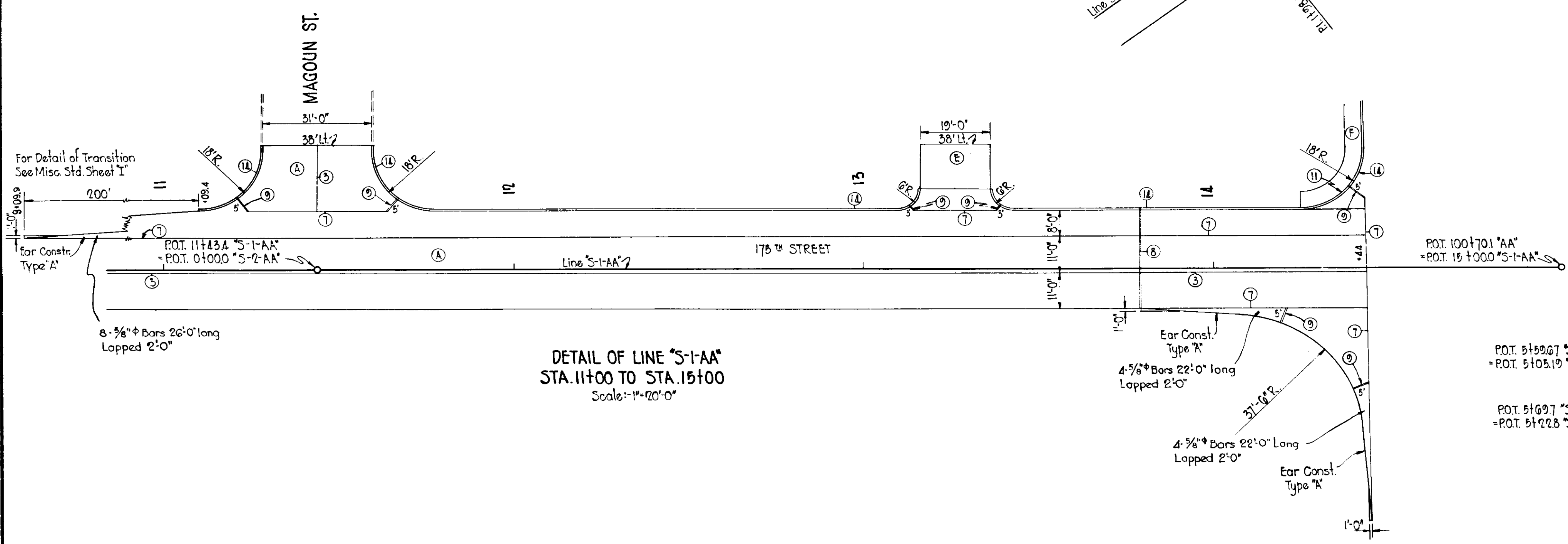


INTEGRAL CURB WALK
Scale: 1" = 1'-0"

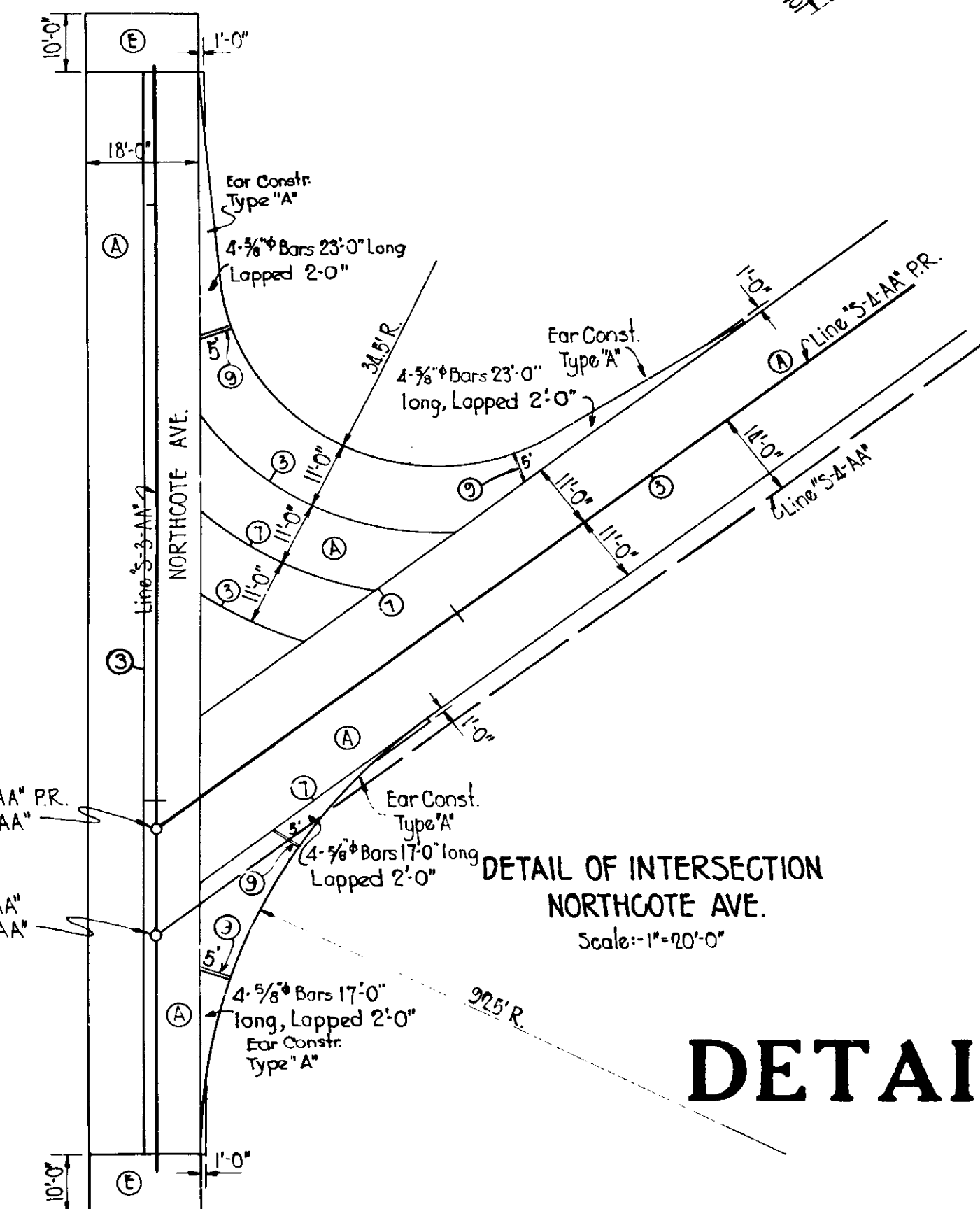
- LEGEND**
- (1) Longitudinal Joint
 - (2) Keyway Joint
 - (3) Preformed Expansion Joint with Load Transfer
 - (4) Cork, Rubber or Fiber Expansion Joint
 - (5) Integral Concrete Curb
 - (A) Reinforced Concrete Pavement
 - (E) 8" Bituminous Mixture
 - (F) Concrete Sidewalk



DETAIL OF INTERSECTION SOUTHEASTERN AVE.
Scale: 1" = 20'-0"



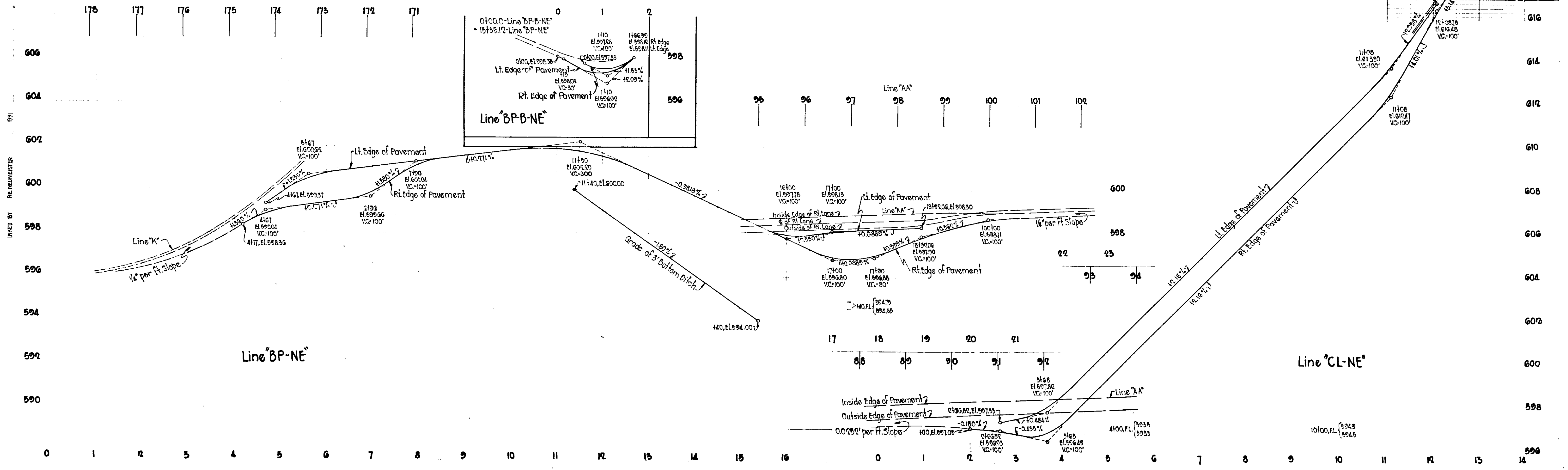
DETAIL OF LINE S-1-AA
STA. 11+00 TO STA. 15+00
Scale: 1" = 20'-0"

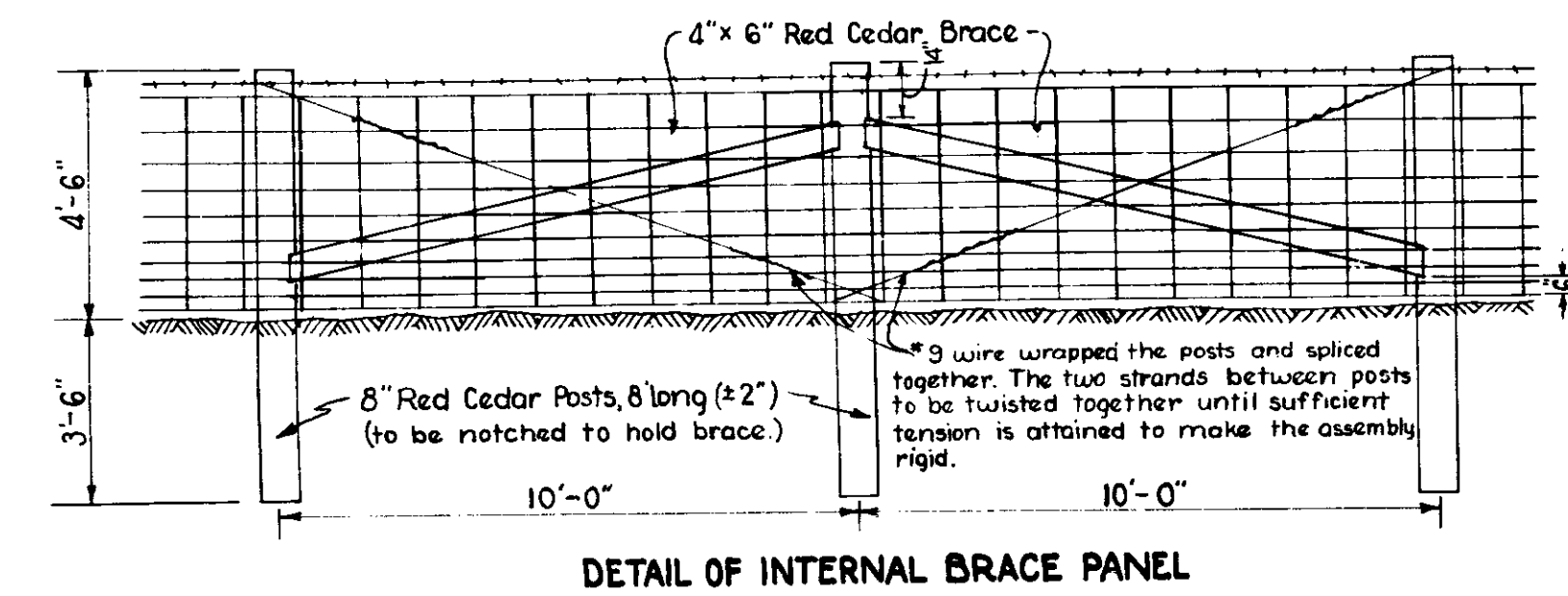
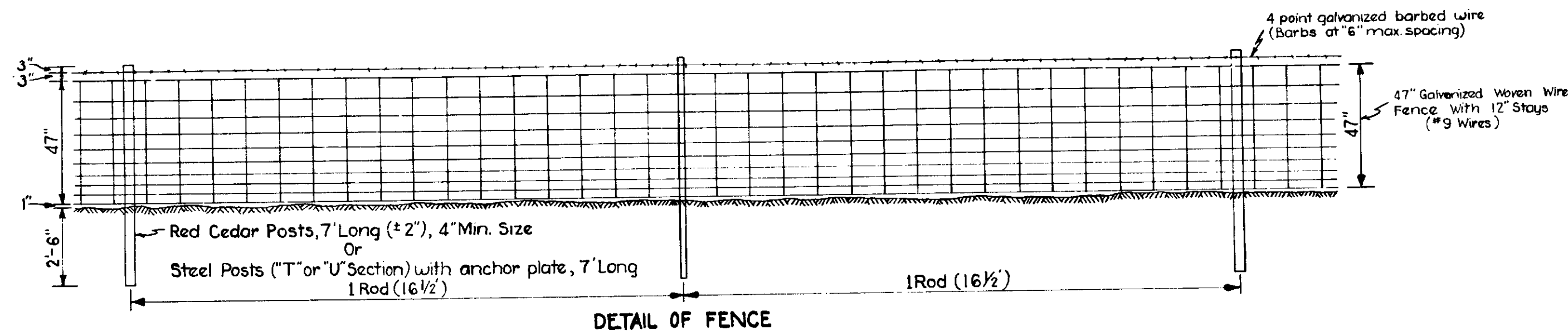
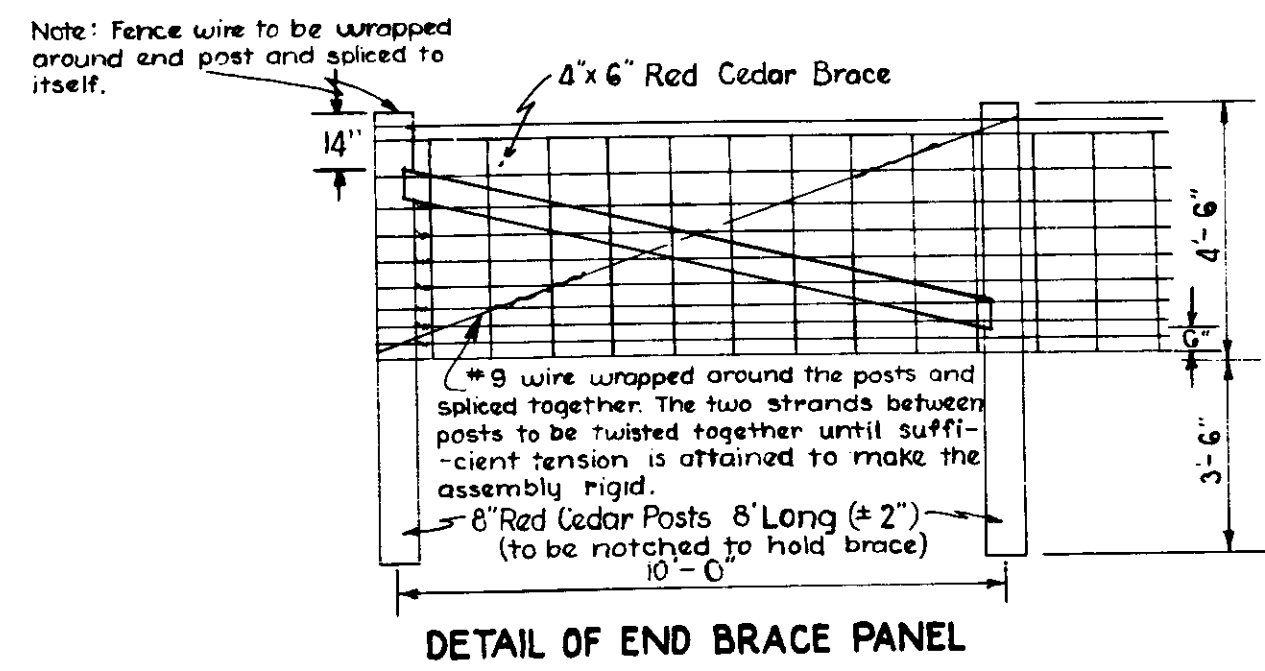


DETAIL OF INTERSECTION NORTHGATE AVE.
Scale: 1" = 20'-0"

DETAILS

DRAWN BY
H.C. GRUMPEKER



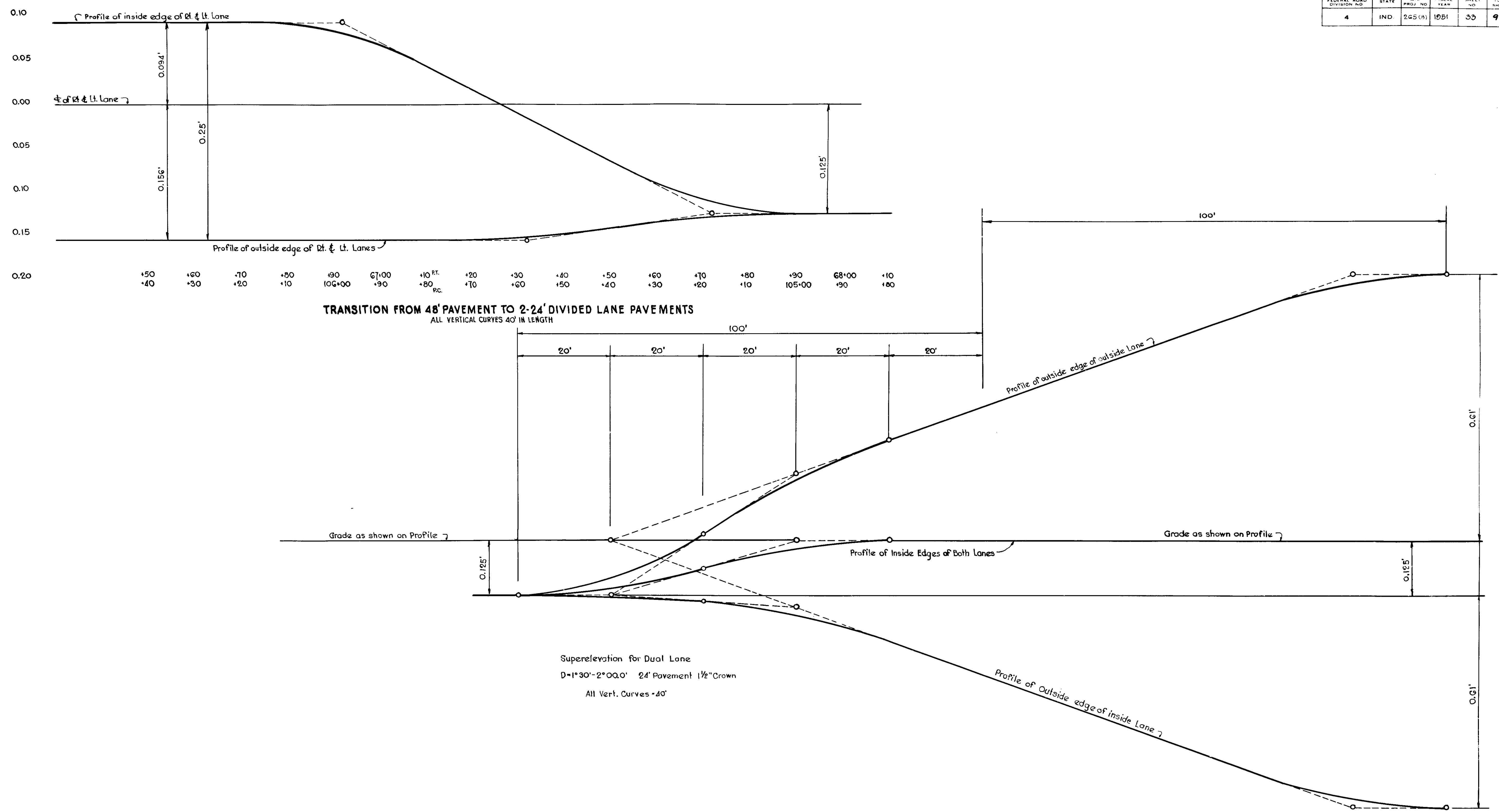


TYPE "A" FENCE
Scale 1" = 3'-0"

TYPE "A" FENCE			ST'D. GUARD FENCE			FLEXIBLE STEEL PLATE OR STEEL BEAM GUARD RAIL		
STATION	LENGTH	LOCATION	STATION	LENGTH	LOCATION	STATION	LENGTH	LOCATION
100+32 to			72+0 to			162+02 to		
99+20.5	115'	N.E. QUADRANT	80+0	800'	2' off ± "AA"	163+06 "K"	124'	Rt. W.B.L.
97+00 to	220'	N.E. QUADRANT	81+30 to			162+98 to		
172+80	1050'	N.E. QUADRANT	95+30	1400'	2' off ± "AA"	164+02 "K"	124'	Lt. E.B.L.
180+00	720'	N.E. QUADRANT	96+30 to			166+68 to		
160+75 to			100+20	399'	2' off ± "AA"	166+92 "K"	44'	Lt. W.B.L.
161+25	50'	N.W. QUADRANT	167+91			166+87 to		
94+00	340'	N.W. QUADRANT	180+00	1249'	2' off ± "K"	167+01 "K"	124'	Rt. W.B.L.
99+10 to	500'	N.W. QUADRANT				167+21 to		
100+10	110'	N.W. QUADRANT				167+45 "K"	44'	Rt. E.B.L.
73+00 to	470'	S.E. QUADRANT				167+55 (5-1AA)	44'	Lt.
77+60 to		S.E. QUADRANT				210 (5-1-AA)	44'	
79+00 to	140'	S.E. QUADRANT						
80+00	180'	S.E. QUADRANT						
178+50 to	385'	S.E. QUADRANT						
178+00 to	310'	S.E. QUADRANT						
180+00	200'	S.E. QUADRANT						
			TOTAL	3919'				

DETAILS

FEDERAL ROAD DIVISION NO.	STATE	U.S. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	205 (9)	1951	33	97



TRANSITION FROM 48' PAVEMENT TO 2-24' DIVIDED LANE PAVEMENTS
 ALL VERTICAL CURVES 40' IN LENGTH

+50 +60 +70 +80 +90 +10 +20 +30 +40 +50 +60 +70 +80 +90 +10
 +40 +30 +20 +10 106+00 67+00 108+00 107+00 106+00 105+00 104+00 103+00 102+00 101+00 100+00 99+00 98+00

Superelevation for Dual Lane
 D=1°30'-2°00.0' 24' Pavement 1/2" Crown
 All Vert. Curves = 40'

DETAILS

