

STATE OF OHIO
DEPARTMENT OF HIGHWAYS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	STATE	1 91

ROSS COUNTY
ROS-50-(16.96-22.67)

ROS-50-(16.96-22.67)

TWIN & SCIOTO TOWNSHIPS & CITY OF CHILLICOTHE

ROSS COUNTY

CONVENTIONAL SIGNS

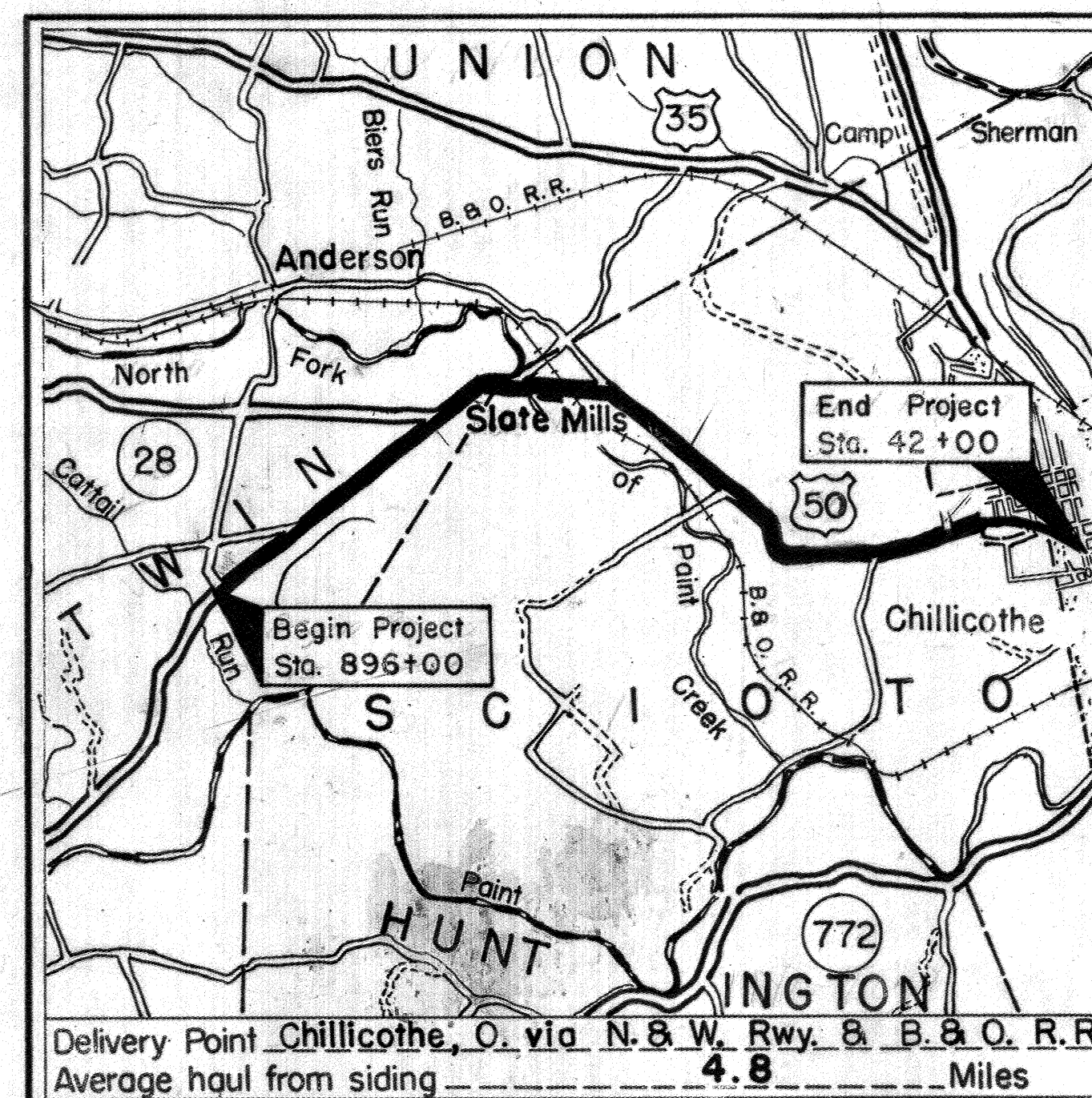
State Line	
County Line	
Township Line	
Section Line	
Center Line	
Corporation Line	
Limited Access and Right-of-Way	
Limited Access Only	LA
Right-of-Way Only	RW
Existing Right-of-Way	
Fence Line	
Guard Rail (existing)	
Guard Rail (proposed)	
Steam Railroad	
Power Poles	
Telephone Poles	
Trees or Stumps (existing)	
Trees or Stumps (to be removed)	

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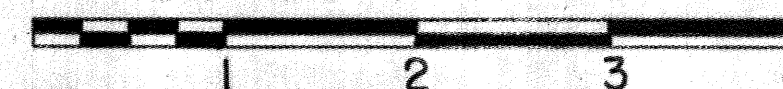
LINE DATA

Begin Project	Sta. 896+00
Equation	Sta. 1202+01.85 = Sta. 6+19.60
End Project	Sta. 42+00
Gross Length of Project	30,601.85 + 3,580.40 = 34,182.25 Lin. Ft.
Deduct for Equations	
Sta. 910+00 Back = Sta. 911+86.78 Ahead	186.78 Lin. Ft.
Sta. 1058+51.54 Back = Sta. 1058+92.24 Ahead	40.70 Lin. Ft.
Deduct for Railroad	
Sta. 1035+83.05 to Sta. 1035+94.25	11.20 Lin. Ft.
Net Length of Project	33,943.57 Lin. Ft. or 6.428 Miles
Add for Approaches	
Sta. 42+00 to Sta. 42+10	10.00 Lin. Ft.
Net Length of Work	33,953.57 Lin. Ft. or 6.430 Miles



LOCATION MAP

SCALE OF MILES



Portion to be improved
State Roads
Other Roads

SCALE

Plan	1" = 50'
Profile: Horizontal	1" = 50'
Profile: Vertical	1" = 5' & 10'

The standard specifications of the State of Ohio, Department of Highways, including changes and supplemental specifications listed in the proposal shall govern this improvement.

The right of way for this improvement will be provided by the State of Ohio.

I hereby approve these plans and declare that the making of this improvement will not require the closing of the highway to traffic and that provisions for the maintenance and safety of traffic will be as set forth on the plans and estimates.

Approved C. G. B. B. B.
Date 6-10-1960 Division Deputy Director

Approved W. P. V. V. V.
Date 7-16-60 Deputy Director of Planning & Programming

Approved W. P. V. V. V.
Date 7-1-60 Engineer of Bridges

Approved W. P. V. V. V.
Date 7-8-60 Engineer of Location & Design

Approved C. W. M. C. W. M.
Date 7-8-60 Deputy Director of Design & Construction

Approved W. P. V. V. V.
Date 7-18-60 First Assistant Director

Approved E. S. P. P. P.
Date 7-18-60 Director of Highways

Supplemental Prints of Standard Construction Drawings

G-707	6-1-56	STC-47	9-18-47	I-1,2,3,4&5	4-24-58
L-3	4-1-50	I-8 C.B. 2-3&2-4	1-26-59		
L-3A	4-1-50	L-1	4-1-50		
RI-1	7-15-58	I-14 G	1-22-52		
DR-1	1-3-55	I-15 N ^o 1	5-21-59		
T-35	1-2-56	I-15 N ^o 2A	5-21-59		
S-27 P.C. 4	1-4-54	S-27 P.C. 3	2-20-45		

Supplemental Specifications

E-105	12-29-59
M-206.6(b)	5-25-56

File No.	ROSS COUNTY	ROS-50-(16.96-22.67)
Date of Letting		196
Contract No.		

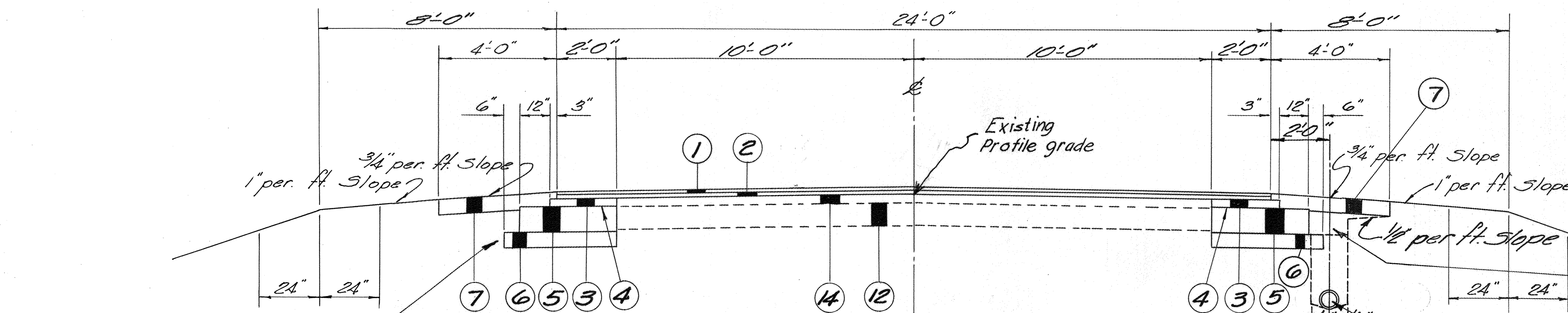
TYPICAL SECTIONS

TYPE T-35

SCALE $\frac{3}{8}'' = 1'-0''$

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TYPICAL SECTION "A"

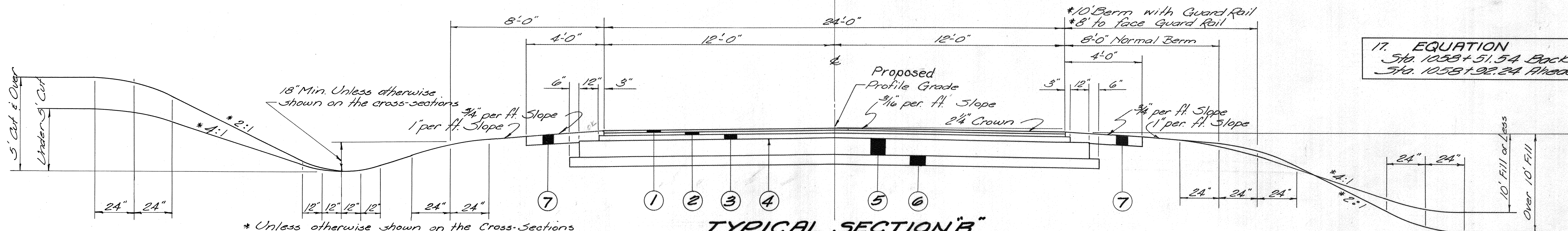
The above Typical Section applies between the following Stations

No	Station	To Station	Lin. Ft.
2	896+50	910+00	1350.00
4	911+86.78	914+75	288.22
6	920+00	940+50	2050.00
8	944+00	956+50	4250.00
10	990+75	995+00	225.00
19	1060+50	1064+50	3400.00
21	1101+50	1110+00	850.00
Total			12,413.22 Lin. Ft.

Prop. I-4 Underdrain.
For Depth See Plan &
Profile & X-Section Sheets

Note: This material may be either I-4 Porous Backfill or B-19 Material placed as part of the Aggregate Base Course. In either case, payment is included in the unit price bid for Item I-4 Underdrains.

3. EQUATION
Sta. 910+00 Back =
Sta. 911+86.78 Ahead



TYPICAL SECTION "B"

The above Typical Section applies between the following Stations

No	Station	To Station	Lin. Ft.
5	914+75	920+00	525.00
7	940+50	944+00	350.00
9	956+50	990+75	425.00
16	1044+00	1058+51.54	1451.54
18	1058+51.54	1060+50	157.76
20	1064+50	1101+50	700.00
22	1110+00	1118+50	850.00
Total			4459.30

17. EQUATION
Sta. 1058+51.54 Back =
Sta. 1058+51.54 Ahead

LEGEND

- | | | |
|---|--|------------------------------------|
| ① Item T-35 1" Asphaltic Concrete Surface Course Type B or C (70-85) | ⑨ Item T-30 Bituminous Tack Coat, Sec. M-5.5, M-5.2 or R-5.1 or Sec. M-5.2, RC-1, RC-2 or RC-3, as per Sec. T-30.02 applied at the rate of 0.10 gal. per Sq. Yd. | ⑭ Existing 3" T-35 |
| ② Item B-35 1 1/4" Asphaltic Concrete Leveling Course (70-85) 1/4" min over ex. pavement | ⑩ Item T-35 1 1/4" Asphaltic concrete surface course Type B or C (70-85) | ⑮ Existing 7" Concrete |
| ③ Item B-35 3" Asphaltic Concrete Base Course (70-85) | ⑪ Item I-18 Variable 0" Min., 1 1/4" Max. 3/4" Av. Stabilized Crushed Aggregate Shoulders & Approaches. | ⑯ Existing 3" B-35 |
| ④ Item T-30 Bituminous Prime Coat, Sec. M-5.7, RT-2 or RT-3 applied at the rate of 0.40 gal. per Sq. Yd. | ⑫ Existing 9" Traffic Bound | ⑰ Existing 9" I-22 |
| ⑤ Item B-10 10" Aggregate Base Course | ⑬ Existing 2" T-35 | ⑱ Existing Brick |
| ⑥ Item I-22 6" Subbase | | ⑲ Existing Concrete & Sand Cushion |
| ⑦ Item I-18 6" Stabilized Crushed Aggregate Shoulders & Approaches with Calcium Chloride (CaCl2) as per Note on Sheet #6. | | ⑳ Existing Concrete or Stone Curb |

TYPICAL SECTIONS

TYPICAL SECTIONS

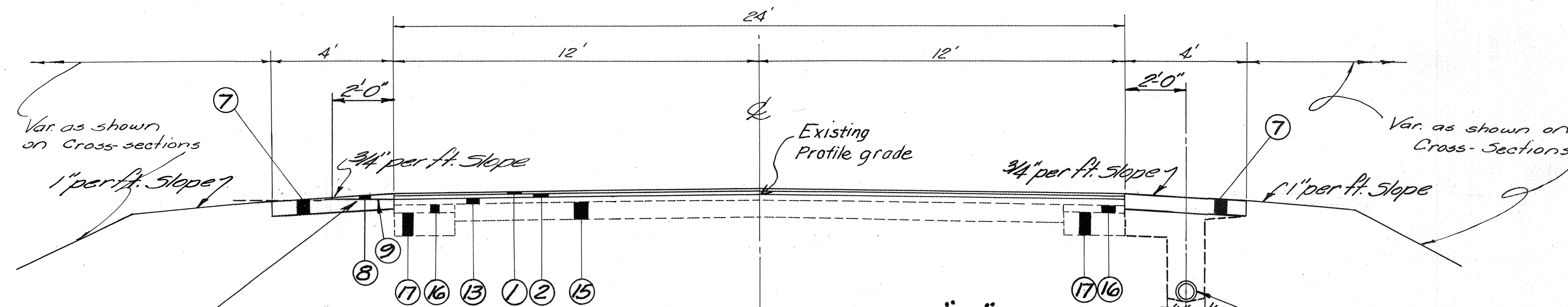
TYPE T-35

Scale $\frac{3}{8}" = 1'-0"$

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3

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TYPICAL SECTION "C"

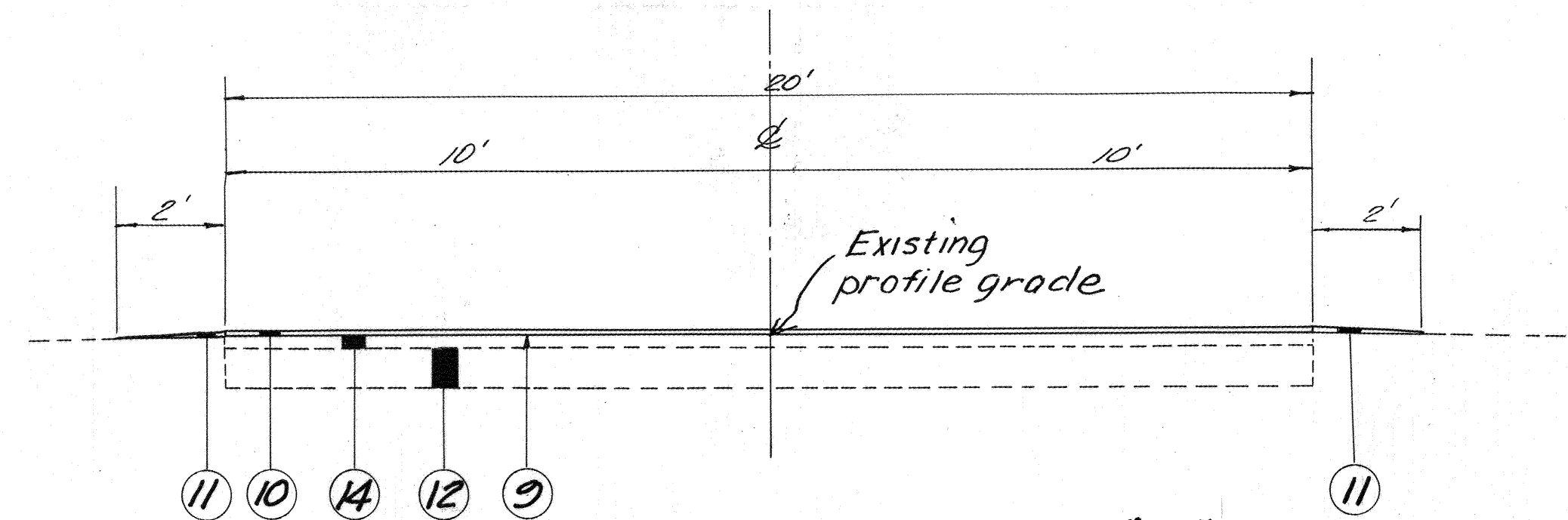
The above Typical Section Applies between the following Stations

No	Station	to	Station	Lin. Ft.
11	923+00	-	1021+17.5	2817.50
13	1024+20	-	1035+23.05	1154.05
15	1035+23.05	-	1044+00	805.25
			Total	4777.30 Lin. Ft.

Note: The 6" I-18 Sub. Shoulder No 7 shall be deleted & be replaced with Var. T-35 Wedge No 8 & T-30 Tack No 9 as shown above at the following Stations

Side	Station	to	Station	Lin. Ft.
Rt.	1007+75	-	1023+10	135.00
Rt.	1010+50	-	1012+10	166.00
Rt.	1016+20	-	1019+05	215.00
Lt.	1015+00	-	1021+20	320.00
			Total	1836.00 Lin. Ft.

Prop. F-4 Underdrain For Depth see Plan & Profile & X-Section Sheets



TYPICAL SECTION "D"

The above Typical Section applies between the following Stations

No	Station	to	Station	Lin. Ft.
23	118+50	-	1187+67.50	6917.50
25	1187+67.50	-	1197+00	232.50
			Total	1250.00 Lin. Ft.

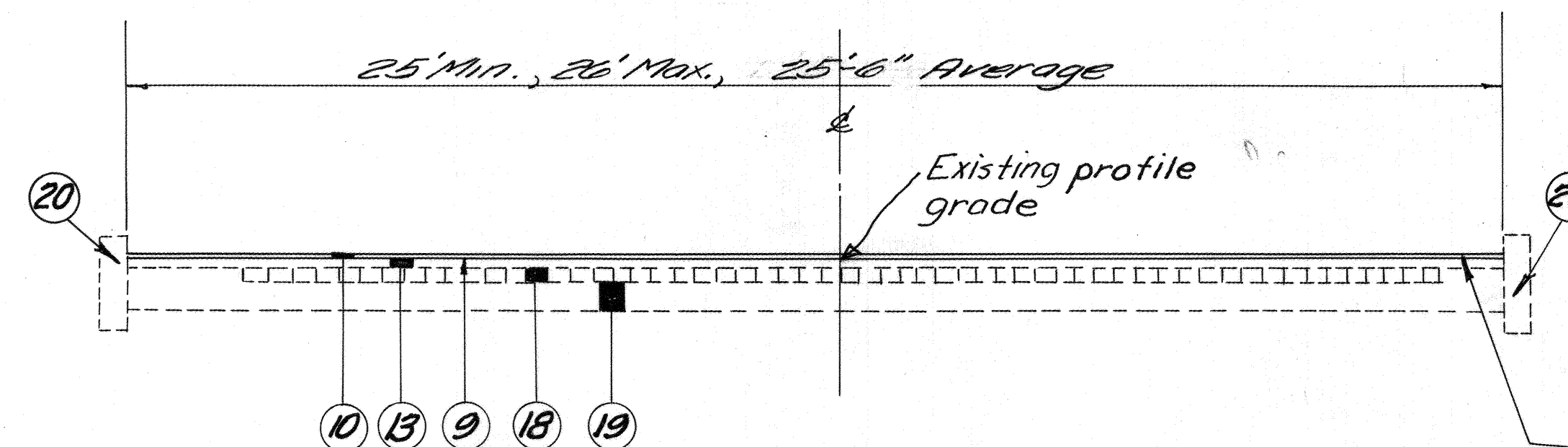
12. BRIDGE NO ROS-50-
Bridge Limits & Approach Pavement
Sta. 1021+17.50 to Sta. 1024+20

14. B&O RAILROAD CROSSING
Sta. 1035+23.05 to Sta. 1035+24.25

24. CITY OF CHILLICOTHE CORP. LINE
Sta. 1187+67.50

27. EQUATION
Sta. 1202+01.85 Back =
Sta. 6+19.60 Ahead

29. FEATHER AREA
Sta. 42+00 to Sta. 42+10



TYPICAL SECTION "E"

The above Typical Section applies between the following Stations

No	Station	to	Station	Lin. Ft.
26	1197+00	-	1202+01.85	501.85
28	6+19.60	-	42+00	3580.40
			Total	4082.25 Lin. Ft.

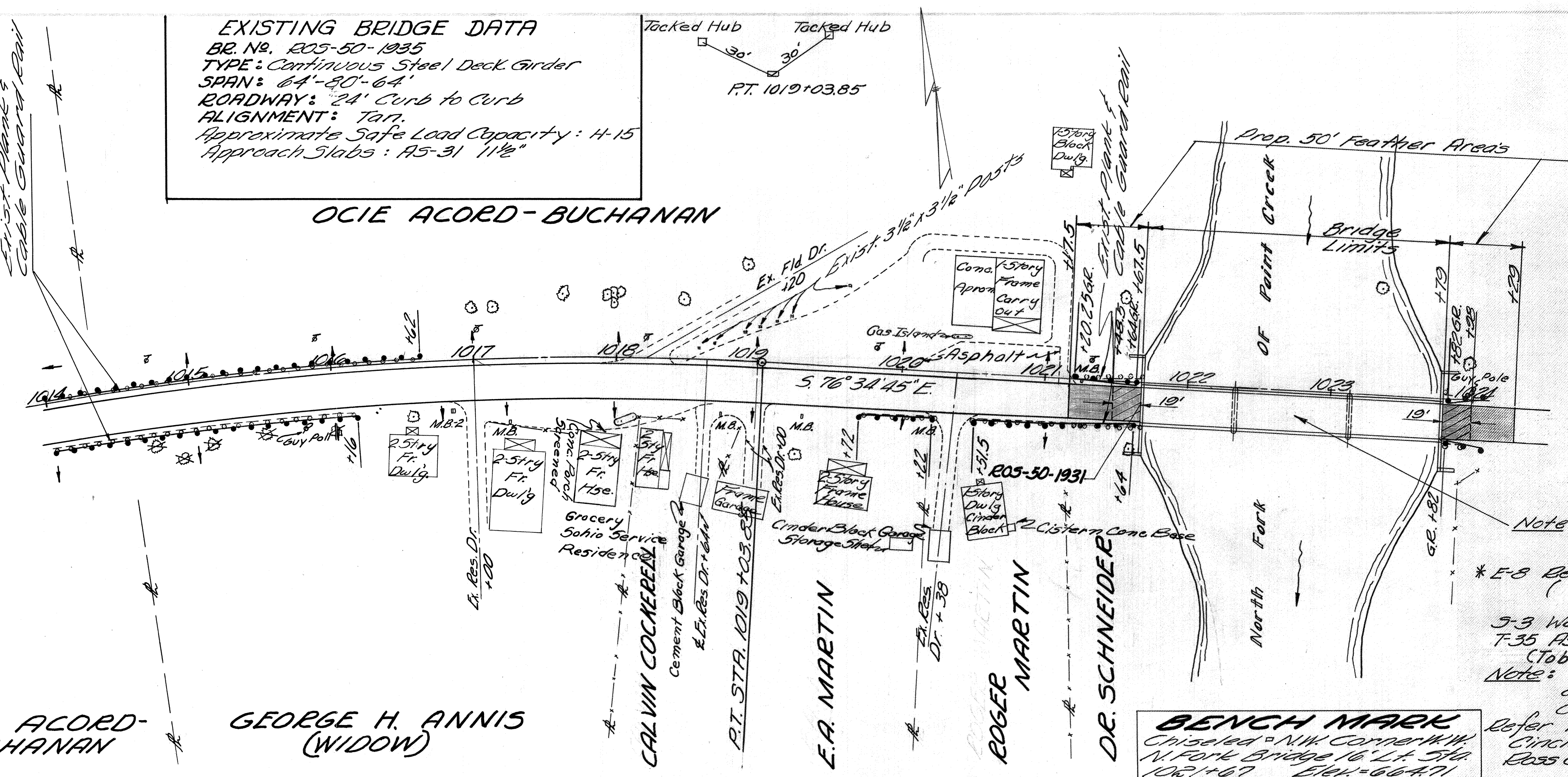
Note: The Prop. 1/4" T-35 Surface Course for this Typical only is to be reduced from 1/4" to 3/8" Thickness within 15' of the curb so that the exist. drains in the curb line will not be plugged

TYPICAL SECTION

EXISTING BRIDGE DATA
 BR. NO. ROS-50-1935
 TYPE: Continuous Steel Deck Girder
 SPAN: 64'-20"-64'
 ROADWAY: 24' Curb to Curb
 ALIGNMENT: Tan.
 Approximate Safe Load Capacity: H-15
 Approach Slabs: AS-31 11 1/2"

JAMES BETHEL

OCIE ACORD-BUCHANAN



Note: Remove the Exist. Blacktop (1" Av. thickness) on both Existing Approach Slabs (Hatched Area) and Feather down the T-35 Leveling Course so that a full 1" T-35 Surface Course can be laid to match the expansion plate on the bridge in the Prop. 50' Feather Area (Shaded Portion).
 For Quantities see Pavt. Cal. Box Sht. No. 7.
 For E-8 Removal of Ex. wearing course see Box Sht. No. 9

Bridge Quantities carried to Pavt. Cal. Box Sht. No. 7
 * Carried to E-8 Removal Box Sht. No. 9

Note: Remove & replace Wearing Course on Existing Bridge Deck as follows:

Removal Quantities
 * E-8 Removal and Disposal of Exist. Wearing Course — 550 SY.
 (Blacktop)

Replacement Quantities
 3-3 Waterproofing Type C — 550 SY.
 T-35 Asphaltic Concrete Surface Course, Type "C" of "B" — 53.5 Cu. Yds.
 (To be placed in 3 separate Courses of 1" 1/2", 1 1/2", 1 1/2" each)

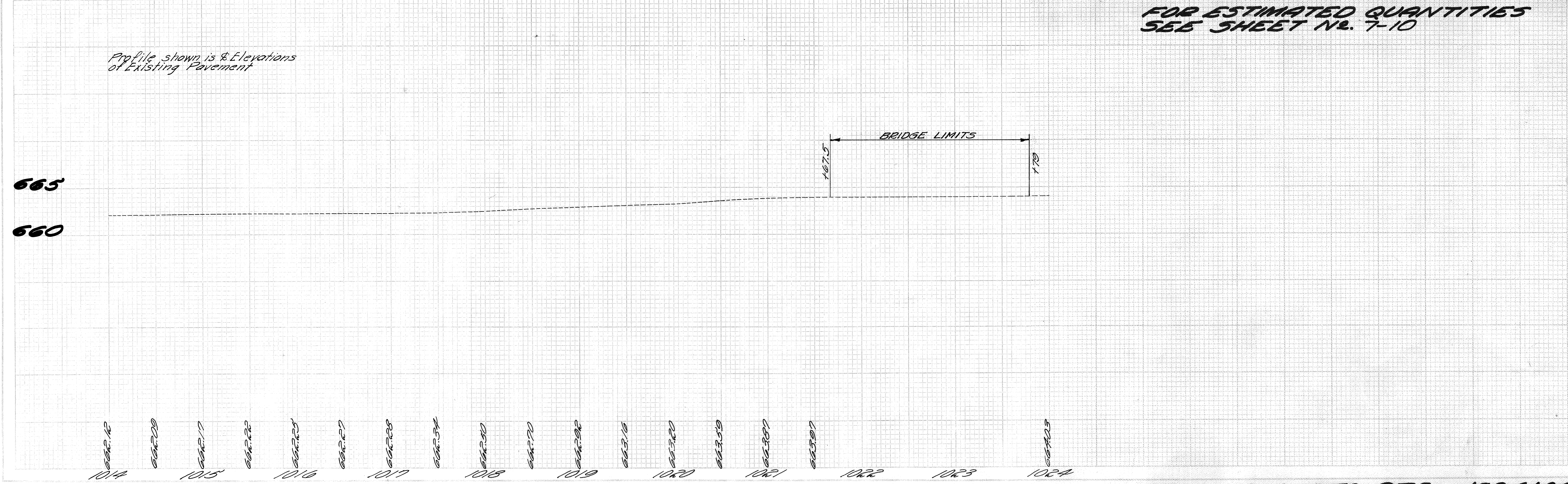
Note: The Contractor may contact the Division Office for prints of the Exist. Bridge Plans concerning the 3 1/2" Asp. Wearing Course prior to the removal.

Refer to Exist. Construction Plans: —
 Cincinnati - Chillicothe Road S.H. 8-M (pt.)
 Ross County - S.H. (I.C.H.) No. 8 - Sec. M (pt.) Dated Feb. 1932

BENCH MARK
 Chiseled - N.W. Corner M.W.
 N. Fork Bridge 16' E. of Sta
 1021+67 Elev. = 664.71

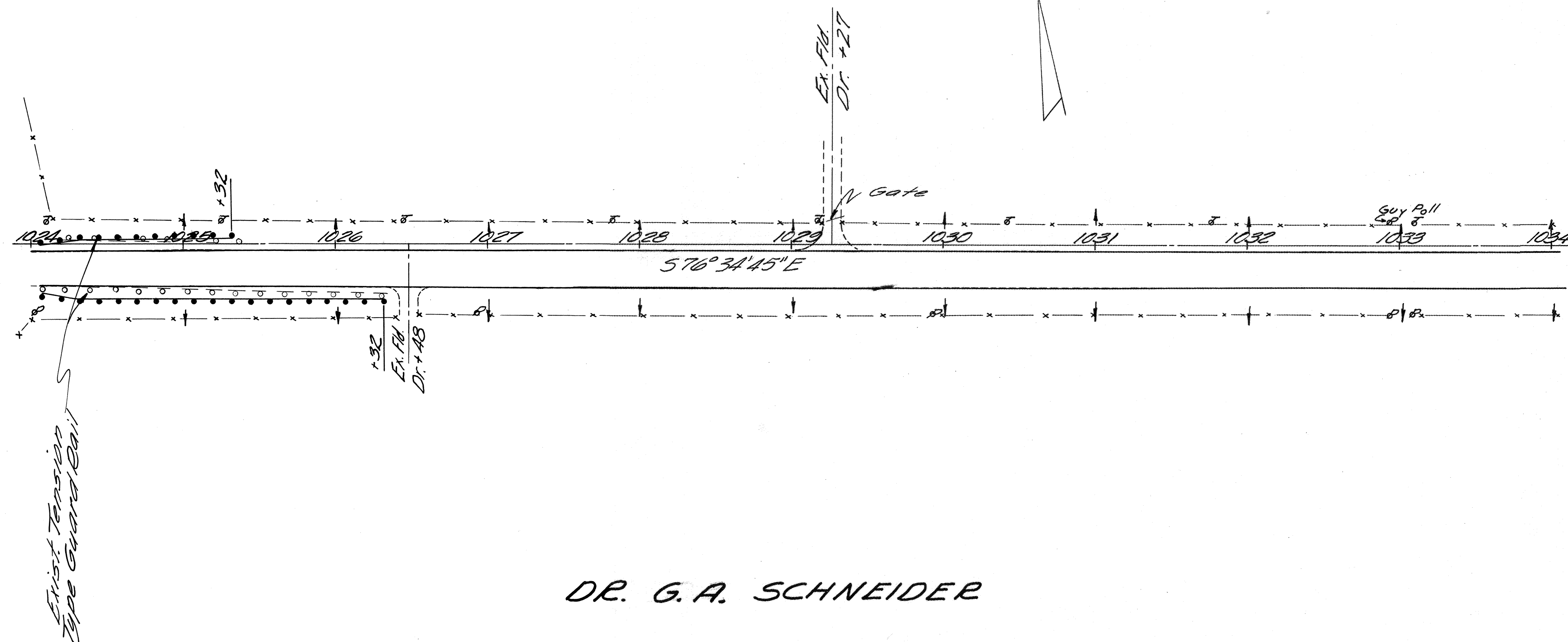
FOR ESTIMATED QUANTITIES
SEE SHEET NO. 7-10

Profile shown is Elevations of Existing Pavement



STA 1014+00 TO STA 1024+00

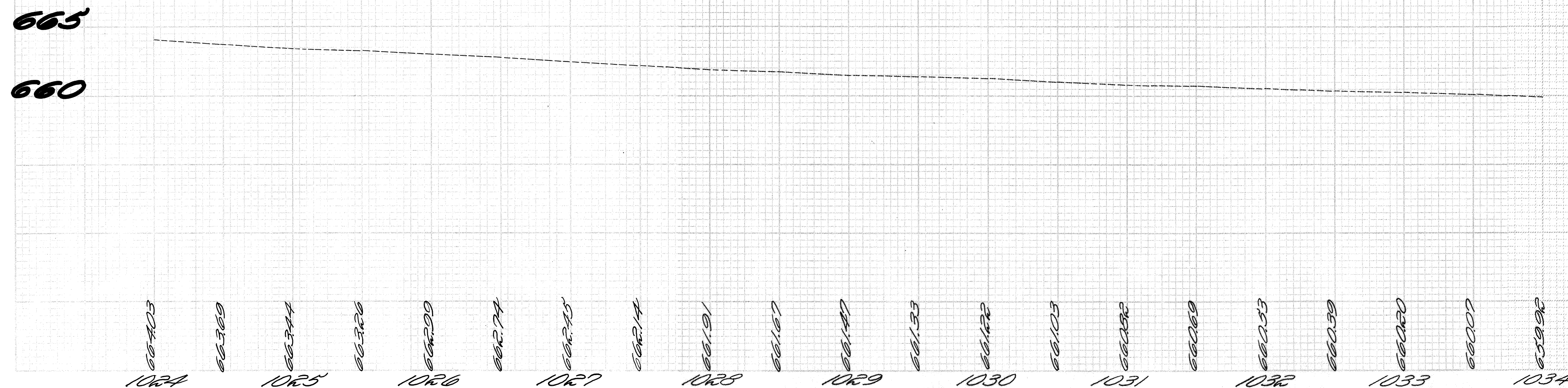
DR. G.A. SCHNEIDER



DR. G.A. SCHNEIDER

**FOR ESTIMATED QUANTITIES
 SEE SHEET No. 7-10**

Profile shown is & Elevations
 of Existing Pavement



STA 1024+00 TO STA 1034+00