FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

1/291

F-FG-1054 (1)

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5- 0.00

STATE OF OHIO
DEPARTMENT OF HIGHWAYS

WAY.-5-(15.78)
SUM.-5-(0.00)

CHIPPEWA TOWNSHIP, WAYNE COUNTY
NORTON TOWNSHIP, SUMMIT COUNTY

GRADE CROSSING ELIMINATION WITH THE B.&O. RAILROAD

LIMITED ACCESS

This improvement is especially designed for through traffic and has been declared a limited access highway or freeway by action of the Director of Highways in accordance with the provisions of Section 5511.02 of the Revised Code of Ohio.

CONVENTIONAL SIGNS

State Line
County Line
Township Line
Section Line
Center Line
Corporation Line
Fence Line
Guard Rail (existing)
Guard Rail (proposed)
Steam Railroad
Power Poles
Telephone Poles
Trees (existing) or Stumps (existing)
Trees or Stumps (to be removed)

INDEX OF SHEETS

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LINE DATA

F-FG-1054 (1)

Begin Project — Sta. 833+51.22
County Line — Sta. 1078+06.98 Bk. = Sta. 0+00 Ahd.
End Project — Sta. 45+55
Add for Equations — + 4.19 Lin. Ft.
Net Length of Project — 29,014.95 Lin. Ft. or 5.495 Miles

Begin Work — Sta. 832+90
County Line — Sta. 1078+06.98 Bk. = Sta. 0+00 Ahd.
End Work — Sta. 46+87
Add for Equations — + 3.72 Lin. Ft.
Add for Approaches (See Sh. No. 2) 7,380.90 Lin. Ft.
Total Length of Work — 36,588.60 Lin. Ft. or 6.929 Miles

FG-1054 (1)

Begin Project — Sta. 868+30
End Project — Sta. 873+00
No additions or deductions
Total Net Length of Project = 470 Lin. Ft. or 0.089 Mile

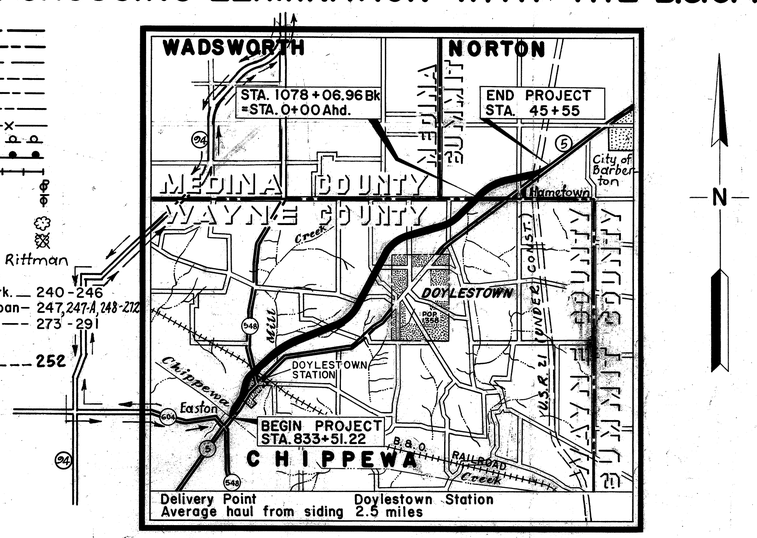
Begin Work — Sta. 868+30
End Work — Sta. 873+00
S.R. 548 Relocation — 1248.44 Lin. Ft.
Total Length of Work = 1718.44 Lin. Ft. or 0.325 Mile

F-1054 (1)

Length of Project F-FG-1054(1) = 29,014.95 Lin. Ft.
Length of Project FG-1054 (1) = 470.00 Lin. Ft.
Length of Project F-1054 (1) = 28,544.95 Lin. Ft. or 5.406 Miles

Length of Work F-FG-1054(1) = 36,588.60 Lin. Ft.
Length of Work FG-1054(1) = 1,718.44 Lin. Ft.
Length of Work F-1054 (1) = 34,870.16 Lin. Ft. or 6.604 Miles

Sheet 258 revised 3-20-58.
Sheet 256 revised 7-18-58.
Sheets 248, 250 & 251 revised 9-16-58.
Sheet 251 revised 9-23-58



LOCATION MAP

SCALE OF MILES

0 1 2 3 4

Portion to be Improved
State Roads
Other Roads
Detours Shown Thus

SCALES

Plans — 1" = 50'
Profile: Horizontal — 1" = 50'
Profile: Vertical — 1" = 5'
Cross-Sections — 1" = 10'

JUN 13 1961
GROUND PHOTOLAB

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 highways to traffic, except as noted on sheet 2, and that provisions for the maintenance and safety of traffic will be as set forth on the plans and estimates.

Approved W. R. Hausenman
Date 1-13-58 Division Deputy Director

Approved C. H. Makeever
Date 2-10-58 Deputy Director of Planning & Programming

Approved M. Overman
Date 2-3-58 Engineer of Bridges

Approved R. E. Shultz
Date 2-5-58 Engineer of Location & Design

Approved R. E. Masheter
Date 2-5-58 Deputy Director of Design & Construction

Approved
Date First Assistant Director

Approved Ramsey J. Thornton
Date 2/10/58 Acting Director of Highways

Approved
Date Chief Engineer, Baltimore & Ohio Railroad

Supplemental Prints of Standard Construction Drawings

DRAWING NO.	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE	DRAWING NO.	DATE
B-T-50-70-71E-No.1	10-1-47	I-12	7-1-54	L-3 A	4-1-50	F-1	4-1-57
B-T-71 R	3-2-53	I-14 G	1-22-52	L-J No.1	7-1-55	CS-1-54 (2 Sheets)	7-16-56
DR-1	1-3-55	I-15 No.1	8-1-55	S-27 P.C.3	2-20-45	P-1-54	12-1-54
G-7.07	6-1-56	I-15 No.2-A	6-1-57	S-27 P.C.4	1-4-54	AR-1-57	4-9-57
I-1,2,3,4,8,5	2-20-45	I-15 No.4	12-1-54	T-35	1-2-56	CSB-2-56 (Sh. 2&3)	12-3-56
I-8CB 2-2A & B	8-1-56	I-21-23	8-1-56	T-J	5-1-56	RB-1-55	3-1-55
I-8CB 2-3 & 2-4	5-1-52	L-1	4-1-50	AS-1-54	12-1-54	OS-1	12-17-56
RI-1	1-3-55	L-3	4-1-50	SP-53	7-21-53	OS-2	12-17-56
I-8MH No.1	5-1-52	I-8MH No.1A	1-3-55				

Supplemental Specifications

NO.	DATE	NO.	DATE
18	Rev. 2-6-57		
B-119	Rev. 8-11-57		
E-101	1-1-57		
5	6-8-55		
S-114	Rev. 8-1-57		
M-106.6 (d)	12-4-57		
M-206.6 (b)	5-25-56		

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED:

DIVISION ENGINEER — DATE

File No.		
224-W	WAYNE & SUMMIT COUNTIES	WAY.-5-(15.78) SUM.-5-(0.00)
	Date of Letting — 195	
	Contract No.	

REVISED 4-3-58

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

2
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WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

LOCATION PLAN

STATE ROUTE No. 5

WAY.- 5-15.78
SUM.- 5-0.00

WAYNE & SUMMIT COUNTIES

CURVE DATA

(1)
PI = 837+69.40
Δ = 9° 23'30"
D = 1° 28'00"
L_c = 640.34'
R_{Rc} = 3906.53
T = 320.89'
E = 13.16

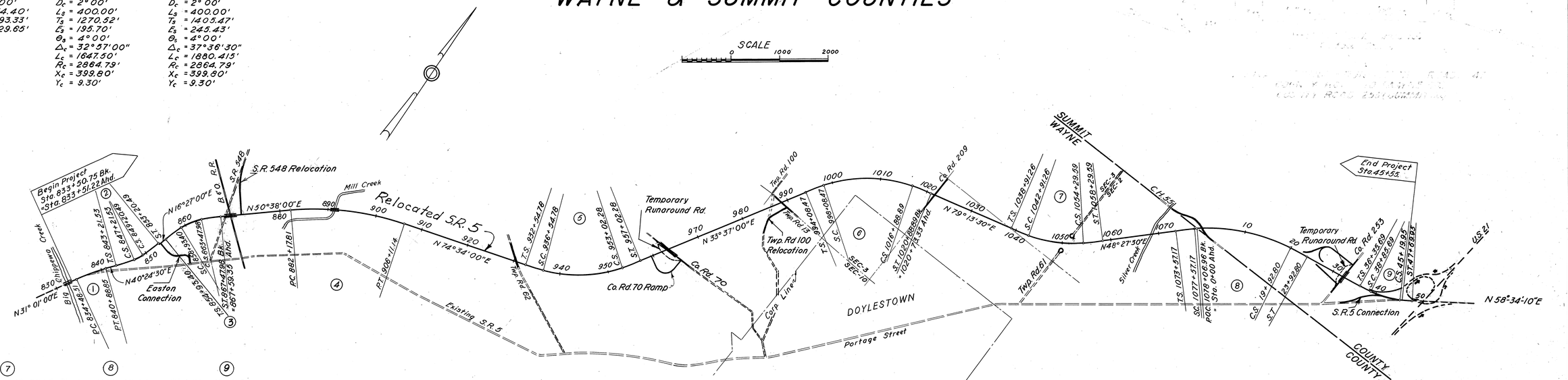
(2)
PI = Sta. 848+26.30
Δ = 23° 57' 30" Lt.
D_c = 4° 00'
L_s = 400.00'
T_s = 504.77'
E_s = 36.69'
θ_s = 8° 00'
Δ_c = 7° 57'30"
L_c = 198.96'
R_c = 1432.29'
X_c = 399.22'
Y_c = 18.59'

(3)
PI = Sta. 861+35.14
Δ = 34° 11' 00" Rt.
D_c = 4° 00'
L_s = 400.00'
T_s = 641.74'
E_s = 71.05'
θ_s = 8° 00'
Δ_c = 18° 11'00"
L_c = 454.58'
R_c = 1432.29'
X_c = 399.22'
Y_c = 18.59'

(4)
PI = Sta. 894+32.21
Δ = 23° 56' 00" Rt
D = 1° 00'
T = 1214.40'
L = 2393.33'
R = 5729.65'

(5)
PI = Sta. 945+25.30
Δ = 40° 57' 00" Lt.
D_c = 2° 00'
L_s = 400.00'
T_s = 1270.52'
E_s = 195.70'
θ_s = 4° 00'
Δ_c = 32° 57' 00"
L_c = 1647.30'
R_c = 2864.79'
X_c = 399.80'
Y_c = 9.30'

(6)
PI = Sta. 1008+13.94
Δ = 45° 36'30" Rt.
D_c = 2° 00'
L_s = 400.00'
T_s = 1405.47'
E_s = 245.43'
θ_s = 4° 00'
Δ_c = 37° 36'30"
L_c = 1880.415'
R_c = 2864.79'
X_c = 399.80'
Y_c = 9.30'



(7)
PI = Sta. 1048+80.08
Δ = 30° 46'00" Lt.
D_c = 2° 00'
L_s = 400.00'
T_s = 988.82'
E_s = 108.87'
θ_s = 4° 00'
Δ_c = 22° 46'00"
L_c = 1138.33'
R_c = 2864.79'
X_c = 399.80'
Y_c = 9.30'

(8)
PI = Sta. 1088+22.44
Δ = 36° 38' 20" Rt
L_s = 400.00'
T_s = 1465.27'
E_s = 205.81'
D_c = 1°30'00"
θ_s = 3°00'
Δ_c = 30°38'20" Rt.
L_c = 2042.59'
R_c = 3819.71'
X_c = 399.89'
Y_c = 6.98'

(9)
PI. = Sta. 42+11.20
Δ = 26° 31'40" Lt.
Dc = 3° 00'
L_s = 250.00'
T_s = 575.51'
E_s = 53.76'
θ_s = 3°45'00"
Δ_c = 19° 01'40"
L_c = 634.26'
R_c = 1909.86'
X_c = 249.89'
Y_c = 5.45'

TRAFFIC NOTES

EXISTING S.R.5

Two way traffic shall be maintained at all times on existing or proposed S.R. 5. Construction work at the south end of the project (Station 833+51.33 to Station 840) and at the north end of the project (Station 41+00 to Station 45+55) shall not be performed until the remainder of the project is sufficiently completed that traffic can be routed over the new work. During the construction of the south and north ends of the project, two way traffic shall be maintained by the utilization of the shoulders, upon which T-10, Traffic Compacted Surface Course, and M-10, Chloride shall be used. Cost of the above, except for the furnishing and placing of the T-10, Traffic Compacted Surface Course, and M-10, Chloride, shall be included in the Lump Sum Price bid for Maintaining Traffic.

Aggregate and chloride shall be applied where and as directed by the Engineer.

S.R. 548

S.R. 548 shall be closed to traffic during the construction of the project. Traffic shall be detoured over S.R. 94 and S.R. 604

Twp. Rds. 62, 100 & 13 ; Co. Rds. 209 & 55

These roads may be closed to traffic during the grading of the approaches for a period not to exceed Seven (7) Calendar days at each location.

Co. Rds. 70 & 253

Two way traffic shall be maintained at all times by means of runaround roads constructed on the south side of Co. Rd. 70 and on the west side of Co. Rd. 253, during the construction of the bridges and approaches. Cost of the construction of the runaround roads is to be included in the Lump Sum Prices bid for Item S-15, Temporary Runaround Roads. (See Structure Quantities)

Twp. Rd. 61

This road shall remain open to traffic until grading has been completed on Co. Rds. 209 & 55 and traffic resumed. At such time Twp. Rd. 61 can be closed permanently to traffic.

MAINTAINING LOCAL TRAFFIC

Local traffic shall be maintained at all times in accordance with Section G-4.05, and shall be understood to include maintaining access to adjacent property affected by any of the construction operations. Quantities of T-10, Traffic Compacted Surface Course and M-10 Chloride have been provided below for the maintenance of local traffic and for the maintenance of traffic on temporary lanes that may be required at the beginning and the end of the project, as well as at other locations that may be required

Cost of the above, except for the furnishing and placing of the T-10, Traffic Compacted Surface Course, and M-10, Chloride, shall be included in the Lump Sum Price bid for Maintaining Traffic.

ESTIMATED QUANTITIES

T-10 Traffic compacted Surface Course	2,000 Cu. Yds.
M-10 Chloride	50 Tons.

LINE DATA FOR APPROACHES

F-FG-1054.(1)

EASTON CONNECTION	
Begin Work Sta. 0+00 - 25'	
End Work Sta. 8+62.45	
Net Length of Work	887.45 lin.ft.
SR. 548 RELOCATION	
Begin Work Sta. 114+75	
End Work Sta. 127+23.44	
Net Length of Work	1,248.44 lin.ft.
TWP. ROAD 62	
Begin Work Sta. 4+00 West	
End Work Sta. 1+00 East	
Deduct S.R. 5 Pav't - 29.78 lin.ft.	
Net Length of Work	470.22 lin.ft.
CO. ROAD 70	
Begin Work Sta. 40+00	
End Work Sta. 48+50	
Net Length of Work	850.00 lin.ft.
TWP. ROAD 100	
Begin Work Sta. 0+59.51	
End Work Sta 6+15.31	
Net Length of Work	555.80 lin.ft.
TWP. ROAD 13	
Begin Work Sta. 21+50	
End Work Sta. 26+50	
Deduct S.R. 5 Pav't 26.77 lin.ft.	
Net Length of Work	473.23 lin.ft
CO. ROAD 209	
Begin Work Sta. 6+30	
End Work Sta. 14+25	
Deduct S.R. 5 Pav't 101.22 lin.ft	
Net Length of Project	693.78 lin.ft.
CO. ROAD 55	
Begin Work Sta. 132+75	
End Work Sta. 146+21.28	
Deduct S.R. 5 Pav't 104.30 lin.ft.	
Net Length of Work	1,241.98 lin.ft.
CO. ROAD 253	
Begin Work Sta. 14+65	
End Work Sta. 24+25	
Net Length of Work	960.00 lin.ft.
Total Length of Work	7,381.90 lin.ft.

TYPICAL SECTIONS

TYPE T-71

Scale 3/16"=1'

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

3
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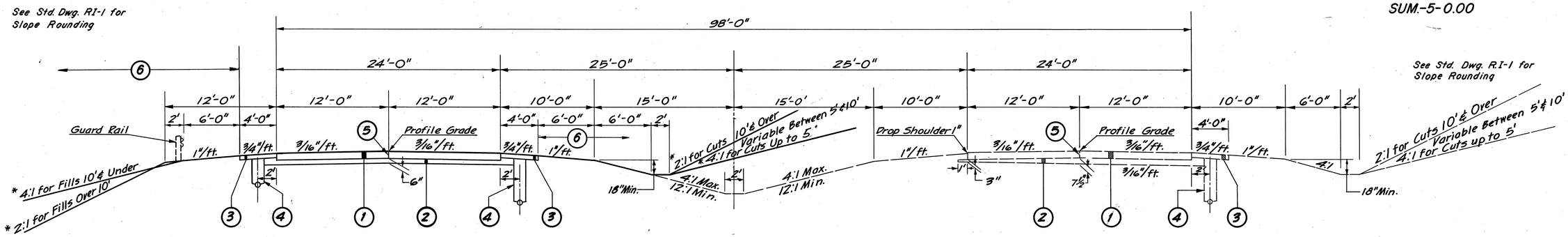
WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00



LEGEND

1. T-71 9" Reinforced Portland Cement Concrete Pavement
2. I-22 Subbase (Variable Depth)
3. I-18 6" Stabilized Crushed Aggregate Shoulders & Approaches (See note in proposal for calcium chloride treatment in upper 3" of this item).
4. I-4 6" Pipe Underdrains, For Location, See Plan & Profile Sheets
5. Standard Longitudinal Joints
6. L-9 Seeding and Protecting, to 10' beyond the work limits or to the R/W line whichever is closer.

NORMAL SECTION

LIMITING STATIONS

F-1054(1)

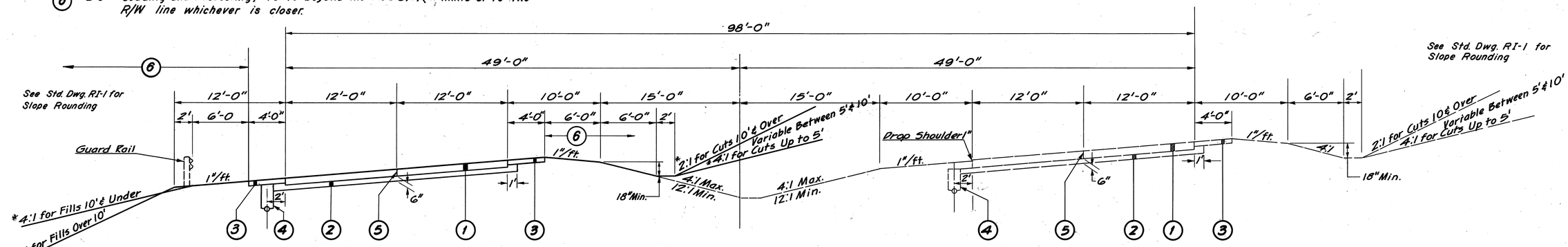
Sta. 853+95.49	to	Sta. 854+18.40	= 22.91	Lin. Ft.
Sta. 871+00	to	Sta. 880+92.46	= 992.46	Lin. Ft.
Sta. 907+36.44	to	Sta. 931+79.78	= 2,443.34	Lin. Ft.
Sta. 957+77.28	to	Sta. 993+33.47	= 3,556.19	Lin. Ft.
		Total	7,014.90	Lin. Ft.

FG-1054(1)

Sta. 868+34.35	to	Sta. 868+36.47	= 2.12	Lin. Ft.
Sta. 871+09.03	to	Sta. 873+00.00	= 190.97	Lin. Ft.
		Total	193.09	Lin. Ft.

Note: Future Construction Shown By Dashed Lines

(Between Stations 923+00 and 931+00, nominal I-22 Subbase depth shall be 18 inches)



SUPERELEVATED SECTION

LIMITING STATIONS

F-1054(1)

Sta 833+51.22	to	Sta. 853+95.49	=	2,044.27	Lin. Ft.
Sta. 854+18.40	to	Sta 867+47.98 Bk.	=	1,329.58	Lin. Ft.
Sta. 867+59.35 Ahd.	to	Sta 868+30.00	=	70.65	Lin. Ft.
Sta. 880+92.46	to	Sta. 890+78.72	=	986.26	Lin. Ft.
Sta. 892+21.28	to	Sta. 907+36.44	=	1,515.16	Lin. Ft.
Sta. 931+79.78	to	Sta. 957+77.28	=	2,597.50	Lin. Ft.
Sta. 993+33.47	to	Sta 1007+48.68	=	1,415.21	Lin. Ft.
Sta. 1007+48.68	to	Sta. 1020+88.89 Bk.	=	1,340.21	Lin. Ft. (Merger to 4-Lane)
		Total	=	11,298.84	Lin. Ft.

FG-1054(1)

Sta. 868+30.00	to	Sta. 868+34.35	=	4.35	Lin. Ft.
		Total	=	4.35	Lin. Ft.

* Note: These slopes are typical unless otherwise shown on the Cross Sections.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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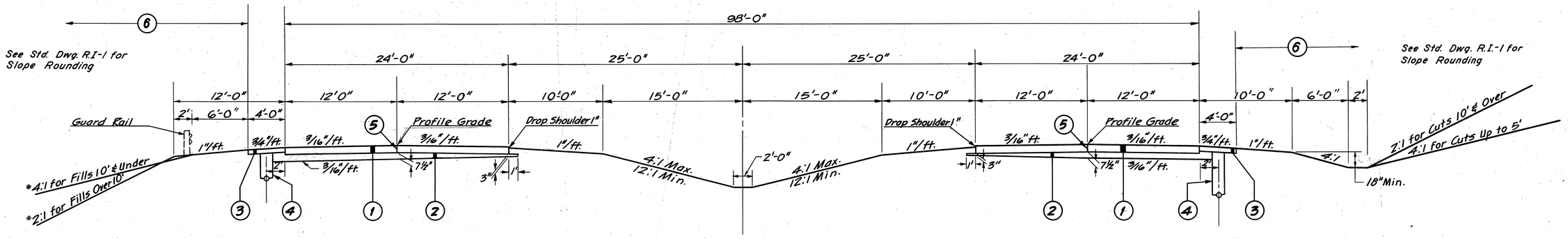
WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

TYPICAL SECTIONS

TYPE T-71

Scale 3/16"=1'



LEGEND

1. T-71 9" Reinforced Portland Cement Concrete Pavement
2. I-22 Subbase (Variable Depth)
3. I-18 6" Stablized Crushed Aggregate Shoulders & Approaches (See note in proposal for cacium chloride treatment in upper 3" of this item).
4. I-4 6" Pipe Underdrains, For Location, See Plan & Profile Sheets
5. Standard Longitudinal Joints
6. L-9 Seeding and Protecting, to 10' beyond the work limits or to the R/W line whichever is closer

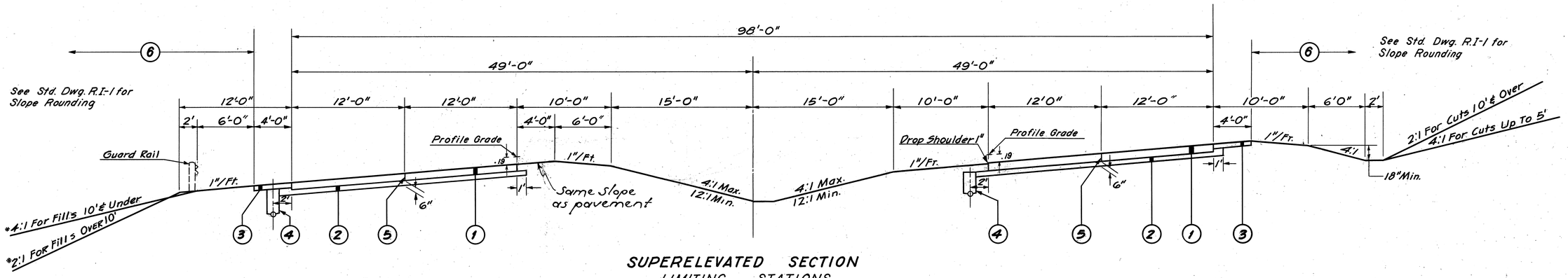
NORMAL SECTION

LIMITING STATIONS

F-1054 (1)

Sta 1021+48.33	to	Sta. 1038 + 16.26	=	1,667.93 Lin. Ft.
Sta. 1059 + 04.69	to	Sta. 1072 + 82.17	=	1,377.48 Lin. Ft.
Sta. 24 + 67.80	to	Sta. 35 + 84.92	=	1,117.12 Lin. Ft.
		Total =		4,162.53 Lin. Ft.

Note: Future Construction Shown by Dashed Lines



SUPERELEVATED SECTION

LIMITING STATIONS

F-1054 (1)

Sta. 1038 + 16.26	to	Sta. 1059 + 04.69	=	2,088.43 Lin. Ft. (Between Stations 1056 + 00 and 1057 + 50 nominal I-22 subbase depth shall be 18 inches).
Sta. 1072 + 82.17	to	Sta. 1078 + 06.96	=	524.79 Lin. Ft.
Sta. 0 + 00.00	to	Sta. 24 + 67.80	=	2,467.80 Lin. Ft.
				5,081.02 Lin. Ft.

* Note: These slopes are typical unless otherwise shown on the Cross Section

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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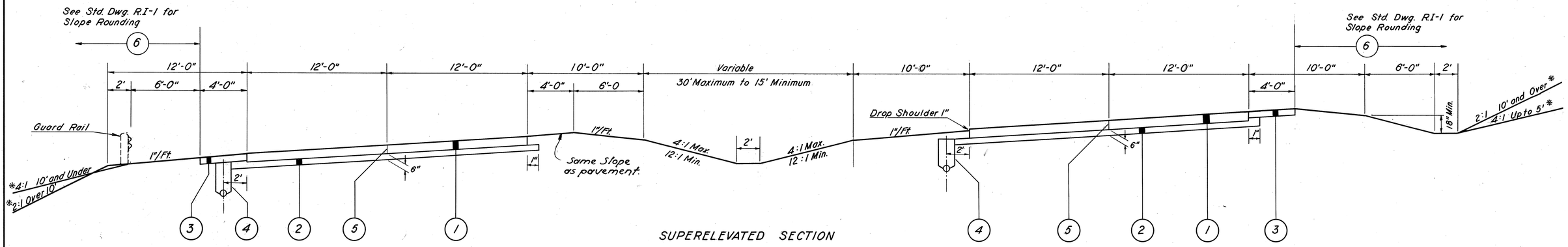
WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

TYPICAL SECTIONS

TYPE T-71

Scale 1/4" per Ft.

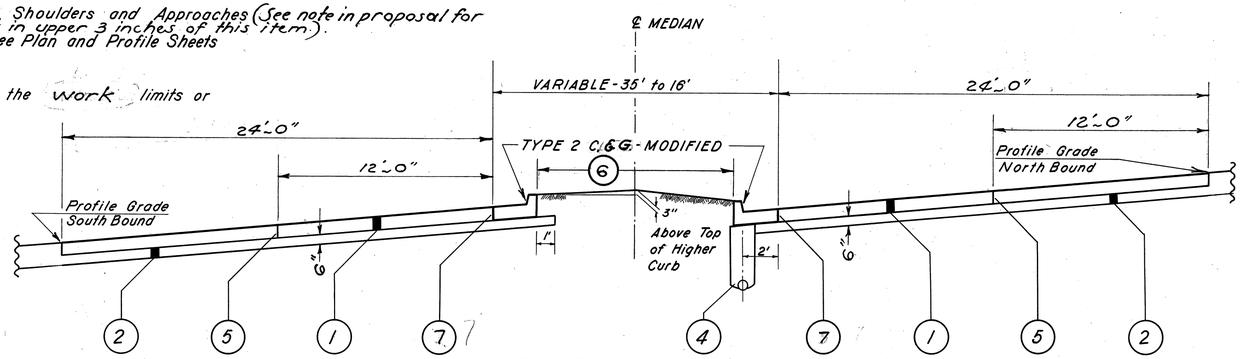


SUPERELEVATED SECTION

Limiting Stations
Sta. 35+84.92 to Sta. 41+10.00 = 525.08 Lin.Ft.

LEGEND

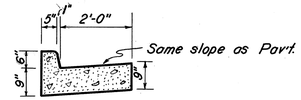
1. T - 71 9" Reinforced Portland Cement Concrete Pavement
2. I - 22 Subbase (Depth as Shown)
3. I - 18 6" Stabilized Crushed Aggregate Shoulders and Approaches (See note in proposal for calcium chloride treatment in upper 3 inches of this item).
4. I - 4 6" Pipe Underdrains, for Location, See Plan and Profile Sheets
5. Standard Longitudinal Joint
6. L-9 Seeding and Protecting, to 10' beyond the work limits or to the R/W line whichever is closer.
7. Standard Longitudinal Key Joint.



SUPERELEVATED SECTION

LIMITING STATIONS
Sta. 41+10.00 to Sta. 45+55 = 445.00 Lin.Ft.

Note: Between Sta. 42+00 & 45+55, nominal I-22 subbase depth shall be 18 inches.



MODIFIED TYPE 2 COMB. CURB AND GUTTER
Scale 1"=2'

*Note: These slopes are typical unless otherwise shown on the Cross Section.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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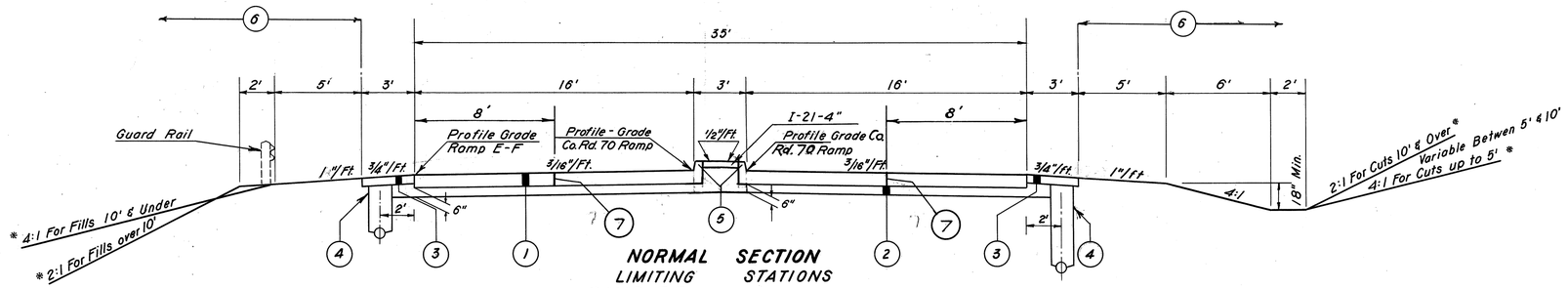
WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

TYPICAL SECTIONS

TYPE T-71

Scale 1/4" per Ft.

See Std. Dwg. RI-1 for Slope Rounding



See Std. Dwg. R.I-1 for Slope Rounding

NORMAL SECTION

LIMITING STATIONS

RAMP E-F

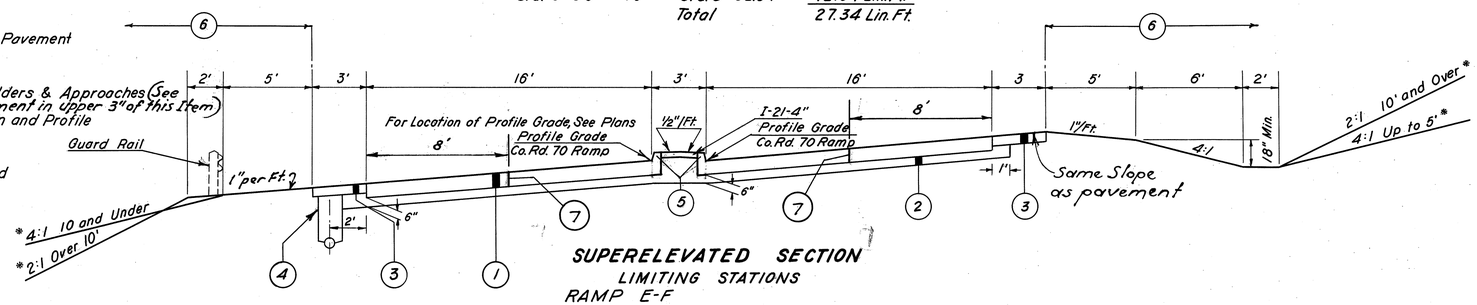
Sta. 1+02.71 to Sta. 2+88.47 = 185.76 Lin. Ft.

COUNTY ROAD 70 RAMP

Sta. 0+35	to	Sta. 0+50	= 15.00 Lin. Ft.
Sta. 8+50	to	Sta. 8+62.34	= 12.34 Lin. Ft.
		Total	27.34 Lin. Ft.

LEGEND

1. T-71 9" Reinforced Portland Cement Concrete Pavement
2. I-22 Subbase (Depth as Shown)
3. I-18 6" Stabilized Crushed Aggregate Shoulders & Approaches (See note in Proposal for calcium chloride treatment in upper 3" of this Item)
4. I-4 6" Pipe Underdrain, for Location, See Plan and Profile
5. I-12 Type 2.A Curb
6. L-9 Seeding and Protecting to 10' beyond work limits or to the R/W line whichever is closer
7. Standard Longitudinal Joint.



SUPERELEVATED SECTION

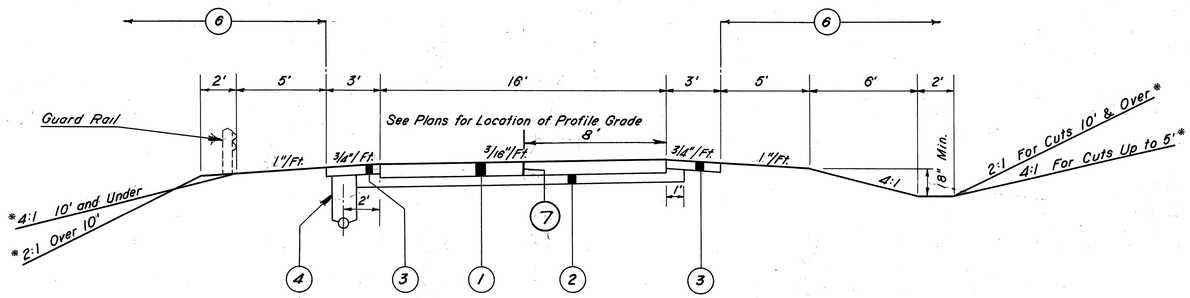
LIMITING STATIONS

RAMP E-F

Sta. 2+88.47 to Sta. 5+58.47 = 270.00 Lin. Ft.

COUNTY ROAD 70 RAMP

Sta. 0+50 to Sta. 8+50 = 850.00 Lin. Ft.

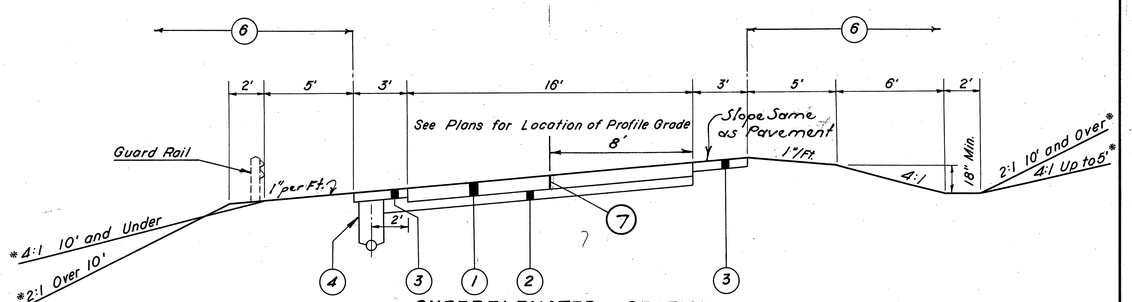


NORMAL SECTION

LIMITING STATIONS

RAMP G

Sta. 28+50 to Sta. 31+65.81 = 315.81 Lin. Ft.



SUPERELEVATED SECTION

RAMP C -	Sta. 13+50	to	Sta. 20+41.10	= 691.10 Lin. Ft.
RAMP E	Sta. 5+58.47	to	Sta. 8+59.64	= 301.17 Lin. Ft.
RAMP F	Sta. 5+58.47	to	Sta. 10+19.70	= 461.23 Lin. Ft.
RAMP G	Sta. 27+53.20	to	Sta. 28+41	= 87.80 Lin. Ft.
S.R. 5 Connection	Sta. 39+35	to	Sta. 41+53.60	= 218.60 Lin. Ft.

* Note: These slopes are typical unless otherwise shown on the Cross Sections.

TYPICAL SECTIONS

TYPE-T-35

Scale: 1/4" = 1'

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

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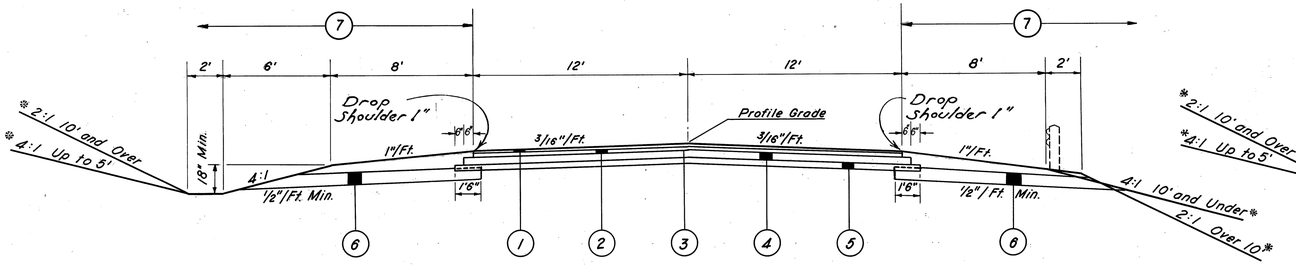
WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

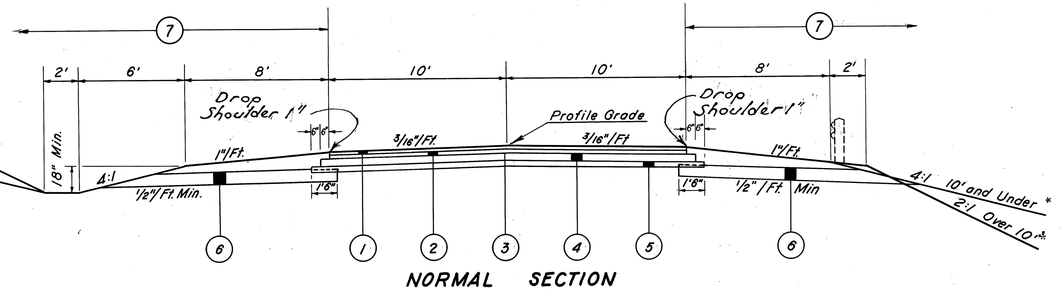
See Std Dwg. R.I 1 for Slope Rounding



NORMAL SECTION
COUNTY ROAD 253

Sta. 15+60	to	Sta 18+59.72	=	299.72 Lin. Ft.
Sta. 21+30.28	to	Sta. 23+50		219.72 Lin. Ft.
		Total		519.44 Lin. Ft.

See Std. Dwg. R.I.-1 for Slope Rounding



NORMAL SECTION
S.R. 548

Sta. 125+34.46	to	Sta. 126+83.44	=	148.98 Lin. Ft.

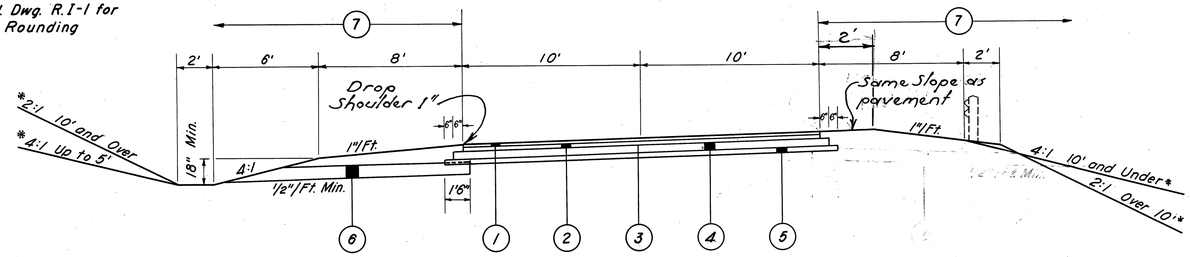
COUNTY ROAD 209

Sta. 7+00	to	Sta. 8+90.22	=	190.22 Lin. Ft.
Sta. 11+51.54	to	Sta. 12+00.00	=	48.46 Lin. Ft.
		Total		238.68 Lin. Ft.

COUNTY ROAD 55

Sta. 135+25.29	to	Sta. 138+00	=	274.71 Lin. Ft.
Sta. 144+50	to	Sta. 145+96.28	=	46.28 Lin. Ft.
		Total		320.99 Lin. Ft.

See Std. Dwg. R.I-1 for Slope Rounding



SUPERELEVATED SECTION
SR. 548

Sta. 115+30	to	Sta. 125+34.46	=	1,004.46 Lin. Ft.

COUNTY ROAD 55

Sta. 132+75	to	Sta. 135+25.29	=	250.29 Lin. Ft.
Sta. 138+00	to	Sta. 140+45.00	=	245.00 Lin. Ft.
Sta. 142+94	to	Sta. 144+50	=	156.00 Lin. Ft.
		Total		651.29 Lin. Ft.

LEGEND

(1) T-35 1½" Asphaltic Concrete Surface Course Type "A" (85-100)
(2) B-35 2" Asphaltic Concrete Leveling Course Type "A" (85-100)
(3) T-30 Bituminous Prime Coat - Sec. M-5.1 (R.T.-2, or R.T-3. or Sec. M-5.2 (R.C.-1 or R.C.-2) (0.35 Gal. per Sq.Yd.)
(4) B-119 5" Crushed Aggregate Base Course
(5) I-22 4" Subbase
(6) I-9 Stone Underdrain (No.2), See Note on Sheet 9.
(7) L-9 Seeding and Protecting, to 10' beyond the work limits or to the R/W line whichever is closer.

* Note: These slopes are typical unless otherwise shown on Cross Sections.

TYPICAL SECTIONS - SIDE ROADS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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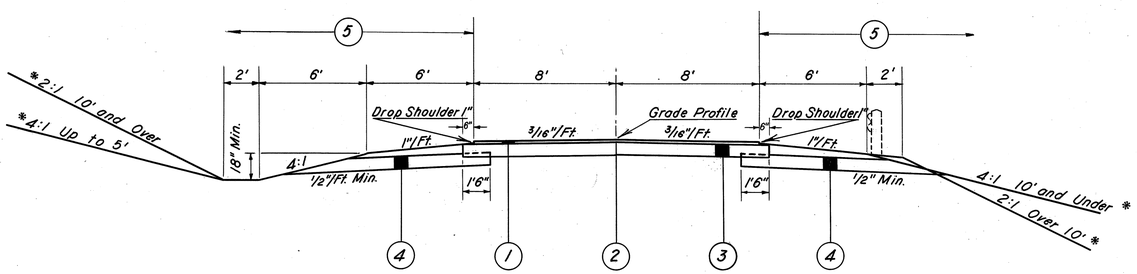
WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5- 0.00

TYPICAL SECTIONS

TYPE - T 35

Scale: 1/4" = 1'

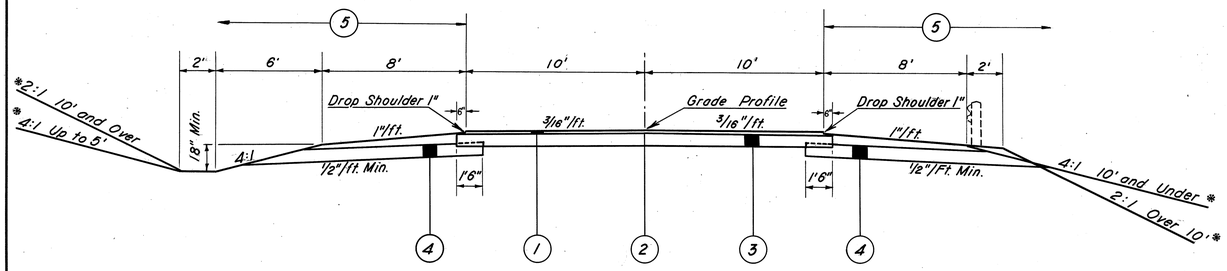
See Std. Dwg RI-1 for Slope Rounding



LIMITING STATIONS

TOWNSHIP ROAD 100 Reloc.
Sta. 0+59.51 to Sta. 5+72.50 = 512.99 Lin.Ft.

See Std. Dwg. R.I.-1 for Slope Rounding

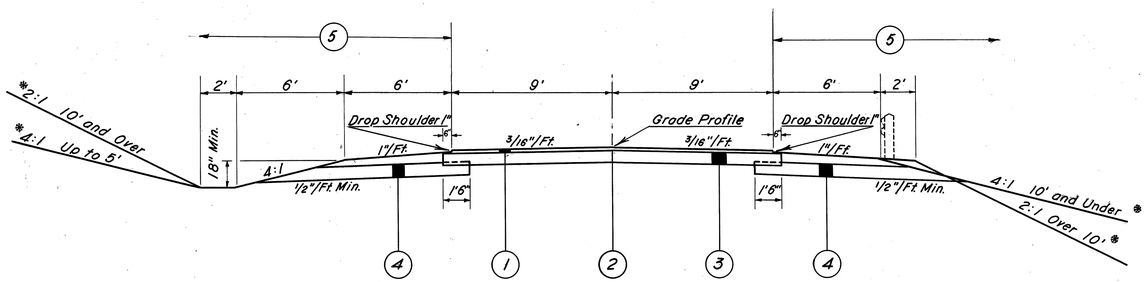


LIMITING STATIONS

EASTON CONNECTION

Sta. 0+35 -	to	Sta. 0+50	= 15.00 Lin.Ft.
Sta. 6+00	to	Sta. 6+17.52	= 17.52 Lin.Ft.
Sta. 7+00	to	Sta. 8+22.45	= 122.45 Lin.Ft.
Total			154.97 Lin.Ft.

See Std. Dwg. RI-1 for Slope Rounding



LIMITING STATIONS

TOWNSHIP ROAD 62

Sta. 1+47.20W	to	Sta. 4+00 W	= 252.80 Lin.Ft.
Sta. 0+55.36 E	to	Sta. 1+00 E	= 44.64 Lin.Ft.
Total			297.44 Lin.Ft.

COUNTY ROAD 70

Sta. 41+25	to	Sta. 41+71.47	= 46.47 Lin.Ft.
Sta. 44+68.65	to	Sta. 48+10	= 341.35 Lin.Ft.
Total			387.82 Lin.Ft.

TOWNSHIP ROAD 13

Sta. 21+50	to	Sta. 23+95.66	= 245.66 Lin.Ft.
Sta. 25+60.07	to	Sta. 26+50	= 89.93 Lin.Ft.
Total			335.59 Lin.Ft.

LEGEND

(1)	T-35	1½" Asphaltic Concrete Surface Course Type "A" (85-100)
(2)	T-30	Bituminous Prime Coat ~ Sec. M-5.7 (R.T.-2 or R.T.-3) or Sec. M-5.2 (R.C.-1 or R.C.-2) (0.35 Gal. per Sq. Yd.)
(3)	B-119	8" Crushed Aggregate Base Course
(4)	I-9	Stone Underdrain (No.2). See note on sheet 9.
(5)	L-9	Seeding and Protecting, to 10' beyond the work limits or to the R/W line whichever is closer.

* Note: These slopes are typical, unless otherwise shown on the Cross Sections.

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
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WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

GENERAL NOTES

ROAD NAME : SIGNS:

All County, Township, City or Village road or street name signs that will be disturbed by the construction shall be carefully removed and stored by the contractor for disposal by their respective owners. Payment for this operation shall be included in the unit price bid for Roadway Excavation, Item E-101.

FIELD OFFICE :

The Contractor shall provide a suitable Field Office for the exclusive use of the State Employees in accordance with Sec. S-0.01(b), having a minimum of 500 square feet of floor space. The Contractor shall have a telephone installed and maintained in the Field Office during the construction of this project. Contractor shall also install wiring and outlets suitable for connecting to office equipment, and provide 110 volt alternating current during the construction of this project.

DESIGN SPEED:

The geometrics for this project have been planned for a design speed of 60 miles per hour.

UTILITIES:

The Contractor shall notify at least 48 hours before breaking ground all Public Service Corporations having wire, poles, pipe, conduits, manholes or other structures that may be affected by this operation, including all structures which are affected but not shown on these plans. Any and all work required for public or private utilities will be done by, and at the expense of, their respective owners unless otherwise noted on these plans.

ROUNDING OF CORNERS ON CROSS-SECTIONS:

The rounded corners, shown on Standard Drawing RI-1, apply to all cross-sections unless otherwise shown in these plans.

R/W MONUMENTS, FEDERAL PROJECT MARKERS AND SECTION MARKERS:

Existing R/W MONUMENTS, Bench Marks, and Federal Project Markers that will be removed by construction, shall be protected by the Contractor as per Section G-7.09 until they can be witnessed, referenced and reset by the Construction Crew.

ELEVATION DATUM:

All elevations are based on U.S.G.S. datum.

LOCATION AND SIZE OF PIPES

The location, type, depth and size of all existing pipes are shown as near exact as the available information will permit. The State will not be responsible for any variations found during construction.

UNDERGROUND UTILITIES:

The location of the underground utililities shown on the plans have been obtained by diligent field checks and searches of available records. It is believed that they are essentially correct but the State of Ohio makes no guarantees as to their accuracy or completeness.

REMOVAL OF TREES AND STUMPS:

Trees and Stumps shall be removed or preserved as indicated on the plans by the following symbols:

Trees or Stumps to be removed

Trees to be preserved

The number of trees or stumps to be removed as indicated by the above symbols is approximate and the State of Ohio reserves the right to order the removal of additional trees or stumps, even though these trees or stumps are not indicated on the plans or are indicated to be preserved. Payment for the removal of these additional trees or stumps shall be included in the Lump Sum bid for the removal of trees or stumps.

The number and size of trees and stumps are estimated below:

12" to 18"	826
18" to 24"	93
24" to 30"	27
30" to 36"	16
36" to 42"	4
42" to 48"	3
48" and over	2

REPLACEMENT:

The Contractor shall replace at his own expense any item not specifically listed for removal that is damaged or destroyed by his operations.

SPECIAL DITCHES:

For special ditch grades, see Cross Sections.

PIPE FOR SUBGRADE DRAINAGE:

10 lin. ft of 8" Corrugated Metal Pipe, Sec. M. 6.4 (a), shall be furnished and placed by the contractor, in manholes, catch basins and inlets for each subgrade drain [illegible] indicated on the Plans. Payment for each shall be made at the price bid per lineal foot for Pipe Underdrain Outlets.

PIPE :

When bell and spigot pipe is used, any nessesary pipe cut-offs will be made at the spigot end of the length of pipe adjacent to the end length. When tongue and grove pipe is used the length of pipe next to the end length shall be cut and a butt joint formed with a collar 12" larger than the outside diameter and 12" in length. The cost of the joint and collar shall be included in the Contract Unit price bid for the pertinent pipe item. The aforementioned collar shall be class E concrete.

REMOVAL OF EXISTING HOUSE DRAINS:

The removal of all existing house connections, which includes sanitary, yard, roof, basement or other similar pipe drains within the roadway construction limits shall be classified and paid for as Roadway Excavation, unless otherwise itemized for payment in the plans.

STONE UNDERDRAIN NO.2 :

No. 2 Stone Underdrain has been estimated for cross road drainage at 50 feet intervals on each side where I-4 drainage is not provided. They shall be placed not over 50 Feet apart. This quantity is to be used in its entirety.

PLUGGING PIPE ENDS:

The upstream ends of pipe lines or tile lines intercepted by earthwork operations shall be effectively blocked and covered. Broken pieces and portions of pipe or tile shall be removed until a whole length is encountered, which shall be blocked with concrete, flat stone, or brick laid in mortar, pre-cast vitrified or concrete stopper. Payment for the above work shall be included in the price bid for Roadway Excavation, Item E-101.

GUARD RAIL REMOVAL:

The removal of any guard rail or guard rail posts lying within the limits of roadway excavation or embankment (and not specifully paid for under a separate item) is included in the Contract unit price bid for Roadway Excavation. All resulting materials shall become the property of the contractor and shall be disposed of by him at no extra cost to the State except that the steel rail on all existing steel beam type or steel cable on steel cable type guard rails shall be stored on the right-of-way for disposal by the owner.

MODIFIED STD. Nº 2-2A CATCH BASINS:

Where modified Std. Nº 2-2A Catch Basins are called for on the Plans, Std. Nº 2-2A Catch Basins shall be Built & the reference to the word "modified" shall be disregarded.

CONSTRUCTION LAYOUT STAKES:

See Note in Proposal describing the Work included in this Lump Sum Pay Item.

CHANNEL EXCAVATION:

Where channel excavation is carried through a proposed pipe structure site, additional excavation required to obtain a stable foundation for the structure shall be measured and paid for as Item E-3, Channel Excavation.

[illegible] not known.

EXCAVATION FOR ITEM B-119

Excavation for B-119 Material used on Side Road Approaches, Mail Box Turnouts and Drives has been included in Earthwork Quantities when same is in "Cut". Where side approaches, mail box turnouts, and drives are in "Fill", excavation for B-119 material shall be made by the contractor at his own expense if he builds the embankment up to finish grade before placing the B-119 material.

EXISTING WATER WELLS:

Dug wells encountered within the work limits shall be filled with rock or granular material. Drilled well casing shall be removed to an elevation approximately three feet below finished grade and covered with a pre-cast concrete slab or a large rock. Prior to construction of embankment, the contractor shall remove any masonry surrounding a well, within three feet of finished grade. Pumps and other appurtenances shall become the property of the contractor and shall be disposed of by him. The cost of filling or capping of wells shall be included in the unit price bid for Roadway Excavation, Item E-101.

PART WIDTH CONSTRUCTION:

Because of the necessity of building certain cross roads under traffic and constructing the pavement part at a time, extreme care shall be taken to prevent the construction of a butt joint on centerline in the base and subbase courses.

This shall be accomplished by building the base and subbase courses placed with the first portion of the pavement built, at least eighteen inches (18") beyond the edge of the above courses. When the second portion of the pavement is built, at least twelve inches (12") of these projecting courses shall be broken down and thoroughly keyed in with the newly placed corresponding courses in the second portion of the pavement. Payment for this operation shall be included in the unit prices bid for the pertinent pavement items.

EXISTING FLEXIBLE PAVEMENT:

Within the limits of construction where the existing flexible pavement will have less than six inches (6") of fill placed upon it, the pavement shall be thoroughly scorified for its full depth, mixed with sufficient soil and property recompacted to insure the elimination of any plane of separation between it and the embankment placed thereon. Outside the limits of construction, the existing flexible pavement shall be thoroughly scorified, mixed with sufficient soil and shaped to fill the surrounding terrain in such a manner as to insure the growth of seed planted thereon. Payment for all the above shall be included in the unit price bid for Roadway Excavation, Item E-101.

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WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

GENERAL NOTES

NON-RIGID PAVEMENT REMOVAL:

Cost of removing non-rigid pavement is to be included in the price bid for Roadway Excavation.

FLARING GUARD RAIL AT BRIDGES:

Guard Rail on cross roads shall be flared to meet the bridge railing in such a manner that the change in alignment of the guard rail shall not exceed 1:10.

GUARD RAIL PARAPET ANCHOR:

Cost of providing and installing anchor for connecting deep steel beam guard rail to bridge parapet is included in Item S-7 (See Bridge Quantities) Contractor shall provide one additional guard rail post in the center of the first panel of deep steel beam guard rail where anchored to the parapet, cost of which shall be included in the unit price bid per lineal foot of guard rail

GUARD RAIL ADJUSTMENT:

The stationing of individual runs of Guard Rail shall be adjusted by the Engineer at the time of construction to accomodate standard panel lengths.

ITEMS L-10 SODDING, I-10 RIP RAP, AND I-14 PAVED GUTTER:

These items are provided on the plans for erosion control. The Engineer shall check and make adjustments in location and quantities for these Items where indicated by field conditions during Construction.

L-9 COMMERCIAL FERTILIZER:

All areas to be seeded under Item L-9 or sodded under Item L-10 shall have commercial fertilizer (12-12-12) applied at the rate of Twenty (20) pounds per 1,000 square feet.

SEEDING AND PROTECTING:

Quantities for Seeding, Item L-9 are calculated for the soil areas between lines ten (10) feet outside the work limits as shown on the Cross-Sections, or to the Right of Way line if such line is less than ten (10) feet from the work limits, All areas outside these limits where the vegetative growth has been injuriously disturbed or destroyed by the contractor shall be restored and seeded in accordance with the provisions of Sec. G-7.09 by the contractor at his own expense. Seed shall be sown at the rate of three (3) pounds per 1000 square feet except as otherwise noted in the plans. Seeding formula for all seeded areas shall be in accordance with the following:

70% Kentucky 31 Fescue
20% Kentucky Bluegrass.
5% Redtop
5% Alsike

CONTRACTION AND EXPANSION JOINTS:

Although specific locations of certain contraction and expansion joints have been detailed on this plan, no waiver of the specifications is intended and the maximum distance between contraction joints shall in all cases be in accordance with standard drawing TJ and expansion joints shall be provided at all major structures as required by Std. Dwg. TJ.

SUBGRADE COMPACTION FOR DRIVES AND MAIL BOX TURNOUTS

The subgrade under B-119 used on drives and mail box turnouts shall be compacted for a depth of six (6) inches to the density requirements of Table III in Item E-101. Payment for subgrade compaction as specified above shall be included in the unit price bid for Roadway Excavation.

ESTIMATED QUANTITIES:

Specific location of use of items indicated on the plans, to be placed as directed by the Engineer, shall be made a part of the final change order governing the construction of this project.

ROADWAY DRAINAGE

An estimated amount of Roadway Drainage, Item I-3 has been provided to outlet any additional field drains which may be encountered during construction. The outlet locations, grades, and depths required shall be determined by the Engineer during construction, and payment shall be made on final measurement. The size and estimated amounts are listed as follows:

Item I-3	6" Roadway Drainage	500 Lin. Ft.
Item I-3	8" Roadway Drainage	400 Lin. Ft.
Item I-3	10" Roadway Drainage	400 Lin. Ft.

DRAINAGE OF SUBBASE MATERIAL

Where the subbase material is drained by I-9 Stone Underdrain the Contractor shall finish, seed and mulch the slopes so as not to impede free drainage of the I-9 Underdrain. The actual area of the outcrop of the I-9 Underdrain shall not be seeded.

CENTERLINE REFERENCE MONUMENTS

Monuments shall be constructed of Class C Concrete, cast-in-place in a circular hole, eight (8) inches in diameter and forty-four inches in depth. Top of concrete shall be finished of a depth of two inches below ground level and the upper six inch portion of the concrete shall be formed. A 16 d nail shall be embedded in the wet concrete as directed by the Engineer to mark centerline and station

UTILITY COMPANIES

The following are the utility companies whose facilities will be affected by the construction of this project.

Ohio Edison Co.	Acme, Ohio
Ohio Bell Telephone Co.	
Standard Oil Co.	
Doylestown Bell Telephone Co.	Doylestown, Ohio
Rittman Telephone Co.	Rittman, Ohio
Doylestown Water Dept.	Doylestown Ohio
The East Ohio Gas Co.	

ADDITIONAL SUBBASE DEPTH

The subbase has been increased by an additional 12 inches over frost susceptible silts in the following areas:

Sta. 923+00 to Sta. 931+00
Sta. 1056+00 to Sta. 1057+50
Sta. 42+00 to Sta. 45+55

An additional 1979 cu.yds. of I-22, Subbase has been included in the Estimated Quantities, for this increased depth.

EXISTING PAVEMENT REMOVAL OUTSIDE NORMAL CONSTRUCTION LIMITS:

After the existing pavement has been removed, the old roadway shall be plowed, harrowed and dragged to a smooth grade, the old ditches filled and the entire area left in a neat condition. The cost of this work shall be included in the price bid for pavement removal, Item E-8. Areas shall then be seeded and mulched, Item L-9.

CHANNEL QUANTITIES

LOCATION	Excavation Cu. Yds.	Embankment Cu. Yds.	Emb. + 20% Cu. Yds.
F-1054 (1)			
*Mill Creek Relocation	17,644	419	503
Structures 20' Span & Under	3,204		
Totals	20,848	419	503
FG-1054 (1)			
Structures 20' Span & Under	40		
Totals	40		

*Carried in Structure Quantities

EXCAVATION FOR STRUCTURES

F-1054 (1)	
Structures 20' Span & Under	2,584
Structures Over 20' Span	998
Total	3,582
FG-1054 (1)	
Structures 20' Span & Under	37
Structures Over 20' Span	119
Total	156

E-4 BORROW

F-1054 (1)

Embankment + 20%
Roadway Grading 717,629 Cu. Yds.
Channel Grading 503 " "
718,132 Cu. Yds.

Roadway Excavation 773,168 Cu. Yds.
Channel Excavation 20,848 "
Structure Excavation (50%) 1,791 "
795,807 Cu. Yds.

Surplus = 795,807 - 718,132 = 77,675 Cu. Yds. Excavation

FG-1054 (1)

Embankment + 20% 126,639 Cu. Yds.
Roadway Excavation 1,411 Cu. Yds.
Channel Excavation 40
Structure Excavation (50%) 78
1,529 Cu. Yds.

Borrow 126,639 - 1,529 = 125,110 Cu. Yds.
Net Borrow 125,110 - 77,675 (Surplus F1054 (1) = 47,435 Cu. Yds.

EARTHWORK QUANTITIES

STATIONS FROM	STATIONS TO	Excavation Cu. Yds.	Embankment Cu. Yds.	Emb + 20% Cu. Yds.
F-1054 (1)				
833+51	839+00	3,511	4,015	4,818
839+00	850+00	35,898	10,922	13,106
850+00	860+00	3,158	26,808	32,170
860+00	868+30	944	82,981	99,577
873+00	882+00	0	59,053	70,864
882+00	893+00	1,341	36,217	43,460
893+00	904+00	7,106	29,155	34,986
904+00	915+00	8,308	2,661	3,193
915+00	926+00	28,961	52	62
926+00	937+00	20,109	4,694	5633
937+00	948+00	11,177	3,302	3,962
948+00	959+00	38,912	355	426
959+00	970+00	95767	1,920	2,304
970+00	981+00	1,304	39,880	47,856
981+00	992+00	3,198	16,267	19,520
992+00	1003+00	11,724	3,461	4,153
1003+00	1014+00	38,004	294	353
1014+00	1025+00	20,217	3,527	4,232
1025+00	1036+00	6,712	30,471	36,565
1036+00	1047+00	15,720	17,865	21,438
1047+00	1058+00	56,292	2,528	3,034
1058+00	1069+00	3,623	127,434	152,921
1069+00	1078+06.96	2,076	49,433	59,320
0+00	11+00	15,612	23,736	28,483
11+00	22+00	68,827	0	0
22+00	33+00	128,891	0	0
33+00	43+00	71,042	0	0
43+00	45+55	3,119	162	194
Easton Connection		3,426	288	346
Twp. Rd. 62 & Drive		7,688	9	11
Co. Rd. 70		1,775	146	175
Co. Rd. 70 Ramp		10,947	758	910
Twp. Rd. 100		718	1,006	1,206
Twp. Rd. 13		1,554	117	139
Co. Rd. 209		4,594	38	46
Co. Rd. 55		2,319	14,212	17,054
Ramps E, F & G		28,629	385	462
Co. Rd. 253		248	3,196	3835
Ramp C		4,047	300	360
S.R. 5 Connection		6,338	116	139
Jones St. Relocation		232	263	316
TOTALS		773,168	598,027	717,629
FG-1054 (1)				
868+30	873+00	0	69,657	83,588
S.R. 548		1,411	35,876	43,051
TOTALS		1,411	105,533	126,639
F-FG-1054 (1) GRAND TOTALS		774,579	703,560	844,268

E-11 WATER

F-1054 (1) (Emb. + I-22 + B-119 + I-18)
(717629 + 26057 + 2848 + 5040) x 5 ÷ 1000 = 3758 M. Gal.

FG-1054 (1) (Emb. + I-22 + B-119 + I-18)
(126639 + 475 + 466 + 173) x 5 ÷ 1000 = 639 M. Gal.

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

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WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

GENERAL SUMMARY

ITEM NO.	SHEET NUMBERS F-1054 (1)																													SH.NO. FG-1054(1)				CALCULATIONS		ITEM NO.	TYPE CODE 7221 F-1054(1) TOTALS	TYPE CODE 7221 FG-1054(1) TOTALS	GRAND TOTALS	UNIT	DESCRIPTION
	10	13	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	10	13	18	19	F-1054(1)	FG-1054(1)					
																																								ROADWAY
E-101	773168																													1,411						E-101	773,168	1,411	774,579	Cu.Yd.	Roadway Excavation, Suitable Material, as per Plan
E-101																																			139,216	3,328	E-101	139,216	3,328	142,544	Sq.Yd.	Compacted Subgrade
E-4																														47435						E-4		47,435	47,435	Cu.Yd.	Borrow
E-8		2922																										974	1290								E-8	5,186		5,186	Sq.Yd.	Removal and Disposal of Existing Pavement, as per plan
E-8		288																																			E-8	288		288	Lin.Ft.	Removal and Disposal of Existing Curb, as per plan
E-9																																					E-9	Lump	Lump	Lump	Lump	Removal of Trees and Stumps
E-11	3758																													639						E-11	3,758	639	4,397	M Gal.	Water
I-8			2	8	8	4	2	4	2	2	2	4		4	4	2		4		4	1	2	2	1	2	1	1	2	3	2							I-8	73		73	Each	Centerline Reference Monuments, as per plan
I-15		988			795.5	1443	1800	2014.9	400					800										2100	1307	12.5	75		25			1250	485	3509			I-15	11,760.9	1,649.4	13,410.3	Lin.Ft.	Guard Rail Steel Beam Standard Type (Deep) as per Std. Drawing I-15 No 2-A
I-15			1000	625																																	I-15	1,625		1,625	Lin.Ft.	Guard Rail, Removed and Rebuilt, as per plan
I-15		20																																			I-15	20		20	Each	Wood Guard Rail Posts, Without Rail
I-15		30																																			I-15	30		30	Each	Wood Guard Rail Posts, Without Rail, Removed and Reset, as per plan
I-18		416	5																				54									136		4,565	37	I-18	5,040	173	5,213	Cu.Yd.	Stabilized Crushed Aggregate Shoulders and Approaches
L-9		532,058																													26,691						L-9	532,058	26,691	558,749	Sq.Yd.	Seeding and Protecting, as per plan
L-9																																			50.14	2.49	L-9	50.14	2.49	52.63	Ton	Commercial Fertilizer (12-12-12)
L-10		3944		140	772	386		455	2467	1217	233	220	1100	1450	458	1236	877	861	1000	300	1186	537	1233	1629	639	948	550	300	849			997					L-10	24,987	997	25,984	Sq.Yd.	Sodding
M-10		49																													1				28.8	0.2	M-10	77.8	1.2	79	Ton	Furnishing and Applying Calcium Choride or Calcium Magnesium Choride for Maintaining Traffic
T-10		1960																													40						T-10	1960	40	2,000	Cu.Yd.	Traffic Compacted Surface Course for Maintaining Traffic.
																																							Temporary Pavement Ramps, as per plan
SS-18		55953																													140						SS-18	55,953	140	56,093	Lin.Ft.	Fence, Type "A"
Special																																			27,390	222	Special	27,390	222	27,612	Sq.Yd.	Mixing Calcium Chloride and Crushed Aggregate
Special																														1							Special	1		1	Each	Single Pole Overhead Sign Assembly, Type "A"
Special																													1							Special	1		1	Each	Bridge Type Overhead Sign Assembly, Type "A", Span = 56'
																																								DRAINAGE
E-2		385			50	260	101				143		554		69	130	317		122		176	1	276									37					E-2	2,584	37	2,621	Cu.Yd.	Excavation for Structures
E-3		155			1378	100					22		496		258	49	266		156		153		171									40					E-3	3204	40	3244	Cu.Yd.	Channel Excavation
E-12		767											73																		46						E-12	840	46	886	Lin.Ft.	Pipe Removed 15" and Under
E-12		134																																			E-12	134		134	Lin.Ft.	Pipe Removed over 15"
E-12		62																																			E-12	62		62	Lin.Ft.	Pipe Removed for Storage 50"x31" Corrugated Metal Arch
I-1		460																													70						I-1	460	70	530	Lin.Ft.	12" Plain Corrugated Metal Pipe, Sec. M-6.4(a) for Driveways
I-1		26																																			I-1	26		26	Lin.Ft.	15" Plain Corrugated Metal Pipe, Sec. M-6.4(a) for Driveways
I-1		88																																			I-1	88		88	Lin.Ft.	18" Plain Corrugated Metal Pipe, Sec. M-6.4(a) for Driveways
I-1																															30						I-1		30	30	Lin.Ft.	30" Plain Corrugated Metal Pipe, Sec. M-6.4(a) for Driveways
I-2					78																				48												I-2	126		126	Lin.Ft.	8" Class A Storm Sewers under Pavement or Approaches Sec. M-6.5(b) or Sec. M-6.8(b)
I-2																							498		146	200	797										I-2	1,641		1,641	Lin.Ft.	15" Class A Storm Sewers
I-2		100																		82	102	158	90	66		188											I-2	786		786	Lin.Ft.	15" Class A Storm Sewers under Pavement or Approaches Sec. M-6.5(b) or Sec. M-6.8(b)
I-2																						30	58	64													I-2	152		152	Lin.Ft.	15" Bituminous Coated Corrugated Metal Pipe, See M-6.4(c) for Class A Storm Sewers.
I-2																									74												I-2	74		74	Lin.Ft.	18" Class A Storm Sewers under Pavement or Approaches Sec. M-6.5(b) or Sec. M-6.8(b)
I-2																									30												I-2	30		30	Lin.Ft.	18" Bituminous Coated Corrugated Metal Pipe, Sec. M-6.4(c) for Class A Storm Sewers.
I-2		66																										92	66								I-2	224		224	Lin.Ft.	21" Class A Storm Sewers under Pavement or Approaches Sec. M-6.5(b) or Sec. M-6.8(b)
I-2																												176								I-2	176		176	Lin.Ft.	21" Class A Storm Sewers
I-2																												597	395							I-2	992		992	Lin.Ft.	24" Class A Storm Sewers
I-2																													593	80						I-2	673		673	Lin.Ft.	30" Class A Storm Sewers
I-2																														84						I-2	84		84	Lin.Ft.	36" Class A Storm Sewers under Pavement or Approaches Sec. M-6.6(a) or Sec. M-6.8(b)
I-3	500																																				I-3	500		500	Lin.Ft.	6" Roadway Drainage
I-3	400																																				I-3	400		400	Lin.Ft.	8" Roadway Drainage
I-3	400																																				I-3	400		400	Lin.Ft.	10" Roadway Drainage

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE & SUMMIT COUNTIES
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SUM-5-0.00

GENERAL SUMMARY

ITEM NO.	SHEET NUMBERS F-1054(1)																												SH.NO.FG-1054(1)				CALCULATIONS		ITEM NO.	TYPE CODE 7221 F-1054(1) TOTALS	TYPE CODE 7221 FG-1054(1) TOTALS	TYPE CODE 7221 GRAND TOTALS	UNIT	DESCRIPTION
	10	13	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	10	13	18	19	F-1054(1)	FG-1054(1)						
																																								DRAINAGE (Cont.)
I-3		144																																		I-3	144		144	Lin.Ft.	12" Bituminous Coated Corrugated Metal Pipe, Sec. M-6.4(c) for Roadway Drainage
I-4		460	538	365	500	819	1,800	1,154	956			232				2270	1,175		100	600	1,740	986	1,110	2,321	1,859	1,340	1,145	300	630	333			20	400			I-4	22,733	420	23,153	Lin.Ft.	6" Underdrains (Shallow)
I-4		5,109		800	500					2277	2200	1,555	1124	1792	2200		1,150	1,395	1340	1,632	600	1417	1,100			962	1,151	1,144	1,256	214						I-4	31,518		31,518	Lin.Ft.	6" Underdrains (Deep)
I-4		70		10				30	10	20		10	10	20		20	20	10	10		20	40		20	10	20				20						I-4	370		370	Lin.Ft.	6" Helical Corrugated Metal Pipe, Sec M-6.4(h) without perforations for Outlets for Underdrains
I-4		10	96																			10	10			20	30	10	10							I-4	196		196	Lin.Ft.	8" Corrugated Metal Pipe, Sec. M-6.4(a) for Outlets for Underdrains.
I-5		16	1	1				4	1	3		1	1	2		2	2	1	3		2	5	1	4	1	4	3		1	3					I-5	62		62	Each	6" Pipe Specials for Underdrains
I-5			2																						2										I-5	2		2	Each	8" Pipe Specials for Outlets for Underdrains, Sec. M-6.4(a)
I-5					2																				2										I-5	4		4	Each	8" Pipe Specials for Class A Storm Sewers under Pavement or Approaches, Sec. M-6.5(b) or Sec. M-6.8 (b)
I-5		2																																	I-5	2		2	Each	12" Pipe Specials for Roadway Drainage Sec. M-6.4(c)
I-5																						2	2	2											I-5	6		6	Each	15" Pipe Specials for Class "A" Storm Sewers, Sec. M-6.4(c)
I-5																									2										I-5	2		2	Each	18" Pipe Specials for Class "A" Storm Sewers, Sec. M-6.4(c)
I-8		4																		1	1	2	3	1	3	2	2	2	1							I-8	22		22	Each	Standard No. 2-2-A Catch Basins
I-8																	1			2								2	2							I-8	7		7	Each	Standard No. 2-3 Catch Basins, modified as per plan
I-8																													2	1						I-8	3		3	Each	Standard No. 1 Manholes
I-9		1958																														288				I-9	1,958	288	2,246	Lin.Ft.	Stone Underdrains, No. 2
I-10		71																			1.7	101	10.6			1.7										I-10	186		186	Sq.Yd.	Riprap, Type A (6" Reinforced Concrete)
I-10		44		8	19				46	72		16		25				80			8.3	58		24	28	15										I-10	443		443	Cu.Yd.	Dumped Rock Channel Protection
I-14				80											145			335					180	495												I-14	1,235		1,235	Lin.Ft.	Standard Type 1 Paved Gutter
I-14		140																			168	110	10	730												I-14	1,158		1,158	Lin.Ft.	Special Paved Gutter, Type 1-A, as per plan
I-14																									558	104						220				I-14	662	220	882	Lin.Ft.	Special Paved Gutter, Type 1-B, as per plan
I-14		30																		10	10	20	20	10	40	20	20	40								I-14	220		220	Lin.Ft.	Special Paved Gutter, Type 1-C, as per plan
I-14																													20							I-14	20		20	Lin.Ft.	Special Paved Gutter, Type 1-D, as per plan
S-1		9.9			3.2	1.5	5.1					1.5		1.7		4.3	0.5	1.7		0.4	0.3	8.7	0.3	40.2	0.4	0.6				0.6			0.8			S-1	80.9	0.8	81.7	Cu.Yds.	Concrete for Structures, Class E
S-24																																	lump			S-24		lump	lump	Lump	Removal of Existing Structure
S-27		66																																		S-27	66		66	Lin.Ft.	18" Pipe for Roadway Culverts
S-27		72																																		S-27	72		72	Lin.Ft.	21" Pipe for Roadway Culverts
S-27																																	58			S-27		58	58	Lin.Ft.	24" Pipe for Roadway Culverts
S-27		78																																		S-27	78		78	Lin.Ft.	27" Pipe for Roadway Culverts, Sec. M-6.6(b) or Sec. M-6.8 (b)
S-27		80																																		S-27	80		80	Lin.Ft.	36" Pipe for Roadway Culverts
S-27				116																																S-27	116		116	Lin.Ft.	42" Pipe for Roadway Culverts, Sec. M-6.6(c) or Sec. M-6.4 (d)
S-27		1.2			296																															S-27	296		296	Lin.Ft.	42" Heavy Duty Reinforced Concrete Culvert Pipe Sec. M-106.6(d) for Roadway Culverts.
S-27												110						232																		S-27	342		342	Lin.Ft.	48" Pipe for Roadway Culverts
S-27														198																						S-27	198		198	Lin.Ft.	54" Pipe for Roadway Culverts
S-27		78																																		S-27	78		78	Lin.Ft.	58" x 36" Corrugated Metal Arch with Integral Base Sec. M-6.4(d)(i) for Roadway Culverts.
S-27																108																				S-27	108		108	Lin.Ft.	65" x 40" Corrugated Metal Arch with Integral Base, Sec M-6.4(d)(i) or 60" x 38" Elliptical Conc. Pipe Sec. M-206.6(b) for Roadway Culverts
S-28					256																															S-28	256		256	Lin.Ft.	60" Sectional Corrugated Metal Structures, Sec. M-6.4(a) 10-10 gage
S-28																								228												S-28	228		228	Lin.Ft.	168" Sectional Corrugated Metal Structures, Sec. M-6.4(a) 5-3 gage
S-27		72																																		S-27	72		72	Lin.Ft.	24" Paved Bituminous Coated Corrugated Metal Pipe Sec. M-6.4(d) for Roadway Culverts
S-27																						186														S-27	186		186	Lin.Ft.	48" Paved Bituminous Coated Corrugated Metal Pipe Sec. M-6.4(d) for Roadway Culverts.
S-27																		118			188															S-27	306		306	Lin.Ft.	24" Pipe for Roadway Culverts, Sec. M-6.6(b) or Sec. M-6.8(b)
S-27		112																																		S-27	112		112	Lin.Ft.	42" Pipe for Roadway Culverts.
																																							PAVEMENT
B-35		387																														158				B-35	387	158	545	Cu.Yd.	Asphaltic Concrete Leveling Course (85 - 100)
B-119		2848																														466				B-119	2,848	466	3,314	Cu.Yd.	Crushed Aggregate Base Course
T-30		5,020																														1030				T-30	5,020	1,030	6,050	Gal.	Bituminous Prime Coat, Sec. M-5.7, RT-2 or RT-3 or Sec. M-5.2, RC-1 or RC-2
T-35		668																														132				T-35	668	132	800	Cu.Yd.	Asphaltic Concrete Surface Course Type A (85-100)
T-71																																				T-71	121,320	527	121,847	Sq.Yd.	9" Reinforced Portland Cement Concrete Pavement.
I-7		324						133																									134			I-7	457	134	591	Sq.Yd.	Reinforced Concrete Approach Slabs (T=13")
I-12		3261																										190	195							I-12	3646		3646	Lin.Ft.	Standard Type 2-A Concrete Curb
I-12		50																											392	774						I-12	1216		1216	Lin.Ft.	Standard Type 2 Combination Curb and Gutter, Modified as per Plan
I-21		329																										14	31							I-21	374		374	Sq.Yd.	4" Portland Cement Concrete Median Pavement, Standard Type 1, as per Plan
I-22		846																														350		25,211	125	I-22	26,057	475	26,532	Cu.Yd.	Subbase
																																							STRUCTURES OVER 20 FT. SPAN
																																							For Estimated Quantities
																																							Br. No. WAY-5-1649 See Sheet No. 248
																																							Br. No. WAY-5-1688 See Sheet No. 254
																																							Br. No. WAY-5-1824 See Sheet No. 259
																																							Br. No. SUM-5-0061 See Sheet No. 267
																																					Lump	Lump	Lump	Lump	Construction Layout Stakes

SUB-SUMMARY

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAY-5-15.78
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R/W FENCE

FROM SHEET NO.	TYPE A FENCE F-1054 (1) Lin. Ft.	FG-1054 (1) Lin. Ft.
274	1,470	
275	2,377	
276	2,661	140
277	3,622	
278	2,986	
279	4,983	
280	5,830	
281	3,448	
282	3,004	
283	5,363	
284	3,257	
285	3,200	
286	5,811	
287	4,551	
288	2,735	
289	655	
Totals	55,953	140

SEEDING & PROTECTING

Stations From	Stations To	Seeding & Protecting Sq. Yds.
F-1054 (1)		
835 + 51	839 + 00	8,148
839 + 00	850 + 00	18,544
850 + 00	860 + 00	13,181
860 + 00	868 + 30	16,705
873 + 00	882 + 00	12,697
882 + 00	893 + 00	18,398
893 + 00	904 + 00	28,289
904 + 00	915 + 00	15,273
915 + 00	926 + 00	12,073
926 + 00	937 + 00	11,757
937 + 00	948 + 00	11,244
948 + 00	959 + 00	16,186
959 + 00	970 + 00	20,216
970 + 00	981 + 00	24,584
981 + 00	992 + 00	16,185
992 + 00	1003 + 00	11,419
1003 + 00	1014 + 00	13,199
1014 + 00	1025 + 00	15,875
1025 + 00	1036 + 00	21,397
1036 + 00	1047 + 00	19,736
1047 + 00	1058 + 00	20,666
1058 + 00	1069 + 00	28,940
1069 + 00	1078 + 06.96	16,664
0 + 00	11 + 00	17,934
11 + 00	22 + 00	18,733
22 + 00	33 + 00	31,371
33 + 00	43 + 00	18,510
43 + 00	45 + 55	2,751
Easton Connection		6,699
Twp. Rd. 62 and Drive		5,817
Co. Rd. 70		4,277
Co. Rd. 70 Ramp		7,477
Twp. Rd. 13		2,626
Twp. Rd. 100		3,750
Co. Rd. 209		4,285
Co. Rd. 55		13,151
Co. Rd. 253		4,609
Ramps E,F,G		13,201
Ramp C		3,644
S.R. 5 Connection		6,854
Totals		557,065
Deduct Sodding		24,987
Net Total		532,058
FG-1054 (1)		
868 + 30	873 + 00	12,337
S.R. 548		15,351
Total		27,688
Deduct Sodding		997
Net Total		26,691

ITEM NO.	SHEET NUMBERS F-1054 (1) 155	156		165	170	171	176	180	183	185	189	190	191	196	197	202	208	212	214	219		2	FG-1054(1)	CALCULATIONS F-1054(1)	FG-1054(1)	ITEM NO.	TYPE CODE T221 F-1054(1) TOTALS	FG-1054(1) TOTALS	GRAND TOTALS	UNIT	DESCRIPTION
																															ROADWAY
E-8																		942	1980							E-8	2,922		2,922	Sq.Yds.	Removal and Disposal of Existing Pavement, as per Plan
E-8																		288								E-8	288		288	Lin.Ft.	Removal and Disposal of Existing Curb,
I-15					175	200					50		200		363								1250			I-15	988	1250	2,238	Lin.Ft.	Guard Rail, Steel Beam Type, Deep
I-15	20																									I-15	20		20	Each	Wood Guard Rail Posts, Without Rail
I-15	30																									I-15	30		30	Each	Wood Guard Rail Posts, Without Rail, Removed and Reset as per plan
I-18	63	17		96						3	112									125						I-18	416		416	Cu.Yd.	Stabilized Crushed Aggregate Shoulders and Approaches
L-10		430			2		370		496	412			300					450	1484				997			L-10	3,944	997	4,941	Sq.Yds.	Sodding
																						49	1			M-10	49	1	50	Tons	Calcium Chloride
																						1960	40			T-10	1960	40	2000	Cu.Yd.	Traffic Compacted Surface Course
																															DRAINAGE
E-2		46			30		54	65					73	36				81								E-2	385		385	Cu.Yd.	Excavation for Structures
E-3								24					31					100								E-3	155		155	Cu.Yd.	Channel Excavation
E-12		113								24			17	112	396					105			46			E-12	767	46	813	Lin.Ft.	Pipe Removed 15" and under
E-12						32								59						43						E-12	134		134	Lin.Ft.	Pipe Removed over 15"
E-12																		62								E-12	62		62	Lin.Ft.	Pipe Removed for Storage 50"x 31" Corrugated Metal Arch
I-1	10	130				34				24			100	96	66								70			I-1	460	70	530	Lin.Ft.	12" Plain Corrugated Metal Pipe, Sec. M-6.4(a) for Driveways.
I-1													26													I-1	26		26	Lin.Ft.	15" Plain Corrugated Metal Pipe, Sec. M-6.4(a) for Driveways.
I-1																			36	52						I-1	88		88	Lin.Ft.	18" Plain Corrugated Metal Pipe, Sec. M-6.4(a) for Driveways.
I-1																							30			I-1		30	30	Lin.Ft.	30" Plain Corrugated Metal Pipe, Sec. M-6.4(a) for Driveways.
I-2																	100									I-2	100		100	Lin.Ft.	15" Class "A" Storm Sewers under Pavement or Approaches Sec. M-6.5(b) or Sec. M-6.8(b)
I-2																66										I-2	66		66	Lin.Ft.	21" Class "A" Storm Sewers under Pavement or Approaches Sec. M-6.5(b) or Sec. M-6.8(b)
I-3															144											I-3	144		144	Lin.Ft.	12" Bituminous Coated Corrugated Metal Pipe, Sec. M-6.4(c) for Roadway Drainage.
I-4							460																			I-4	460		460	Lin.Ft.	6" Underdrain (Shallow)
I-4							849									1807	517	742	1194							I-4	5,109		5,109	Lin.Ft.	6" Underdrain (Deep)
I-4							40											20	10							I-4	70		70	Lin.Ft.	6" Helical Corrugated Metal Pipe, Sec. M-6.4(b) without perforations
I-4																										I-4				Lin.Ft.	for Outlets for Underdrains
I-4																	10									I-4	10		10	Lin.Ft.	8" Plain Corrugated Metal Pipe, Sec. M-6.4(a) for Outlets for Underdrains
I-5							6									4	1	2	3							I-5	16		16	Each	6" Pipe Specials for Underdrains
I-5															2											I-5	2		2	Each	12" Pipe Specials for Roadway Drainage, Sec. M-6.4(c)
I-8					1									1		1	1									I-8	4		4	Each	Standard No. 2-24 Catch Basin
I-9		212		104	23	161		276	207	115		104	456	46	254								288			I-9	1,958	288	2,246	Lin.Ft.	Stone Underdrain No.2
I-10																		71								I-10	71		71	Sq.Yds.	Riprap Type "A" 6" Reinforced Concrete
I-10		19						9					11		5											I-10	44		44	Cu.Yds.	Dumped Rock Channel Protection
I-14																			140							I-14	140		140	Lin.Ft.	Special Paved Gutter, Type 1-A, as per plan
I-14																							220			I-14		220	220	Lin.Ft.	Special Paved Gutter, Type 1-B, as per plan
I-14					10											10	10									I-14	30		30	Lin.Ft.	Special Paved Gutter, Type 1-C, as per plan
S-1		08			0.6		1.0	0.8					1.5	0.7				4.5								S-1	9.9		9.9	Cu.Yds.	Concrete for Structures, Class E
S-27					66																					S-27	66		66	Lin.Ft.	18" Pipe for Roadway Culverts
S-27														72												S-27	72		72	Lin.Ft.	21" Pipe for Roadway Culverts
S-27		72																								S-27	72		72	Lin.Ft.	24" Paved, Bituminous Coated Corrugated Metal Pipe Sec M-6.4(d) for Roadway Culverts
S-27							78																			S-27	78		78	Lin.Ft.	27" Pipe for Roadway Culverts
S-27								80																		S-27	80		80	Lin.Ft.	36" Pipe for Roadway Culverts
S-27													112													S-27	112		112	Lin.Ft.	42" Pipe for Roadway Culverts
S-27																		78								S-27	78		78	Lin.Ft.	58" x 36" Corrugated Metal Arch, Sec. M-6.4(d)(i) 8 gage for Roadway Culverts.
																															PAVEMENT
B-35										102		28	164	14	79								158			B-35	387	158	545	Cu.Yd.	Asphaltic Concrete Leveling Course (85-100)
B-119	70	602		306	22	165		246	283	267		74	482	65	233				33				466			B-119	2,848	466	3314	Cu.Yd.	Crushed Aggregate Base Course
T-30		910		481	52	280		390	450	669		175	1030	88	495								1030			T-30	5,020	1030	6,050	Gals.	Bituminous Prime Coat, Sec. M-5.7 R.T-2 or R.T-3 or Sec. M-5.2 RC-1 or RC-2
T-35	22	109		56	5	36		43	51	72		21	130	21	62				33				132			T-35	668	132	800	Cu.Yds.	Asphaltic Concrete Surface Course (85-100)
I-7					74.5	74.5								175												I-7	324		324	Sq.Yds.	Reinforced Concrete Approach Slabs (T=13")
I-12							1758									1315		188								I-12	3261		3261	Lin.Ft.	Standard Type 2-A Concrete Curb
I-21							195									134										I-21	329		329	Sq.Yds.	4" Standard Type I Portland Cement Concrete Median Pavement
I-22										222		61	358	30	176								350			I-22	846	350	1,196	Cu.Yds.	Subbase
I-12																22		28								I-12	50		50	Lin.Ft.	Standard Type 2 Modified Curb and Gutter.

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WAYNE & SUMMIT COUNTIES
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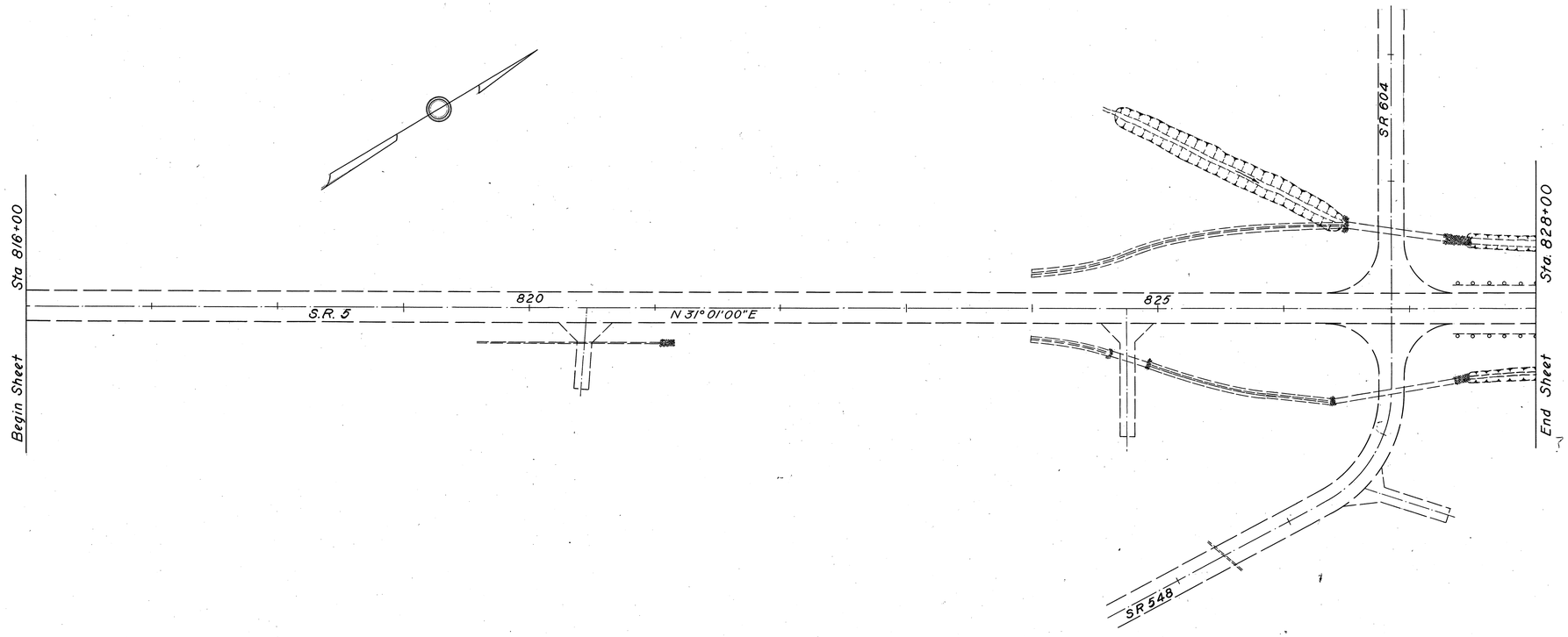
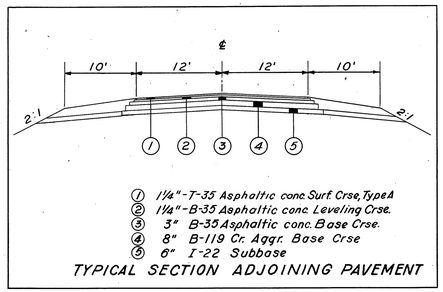
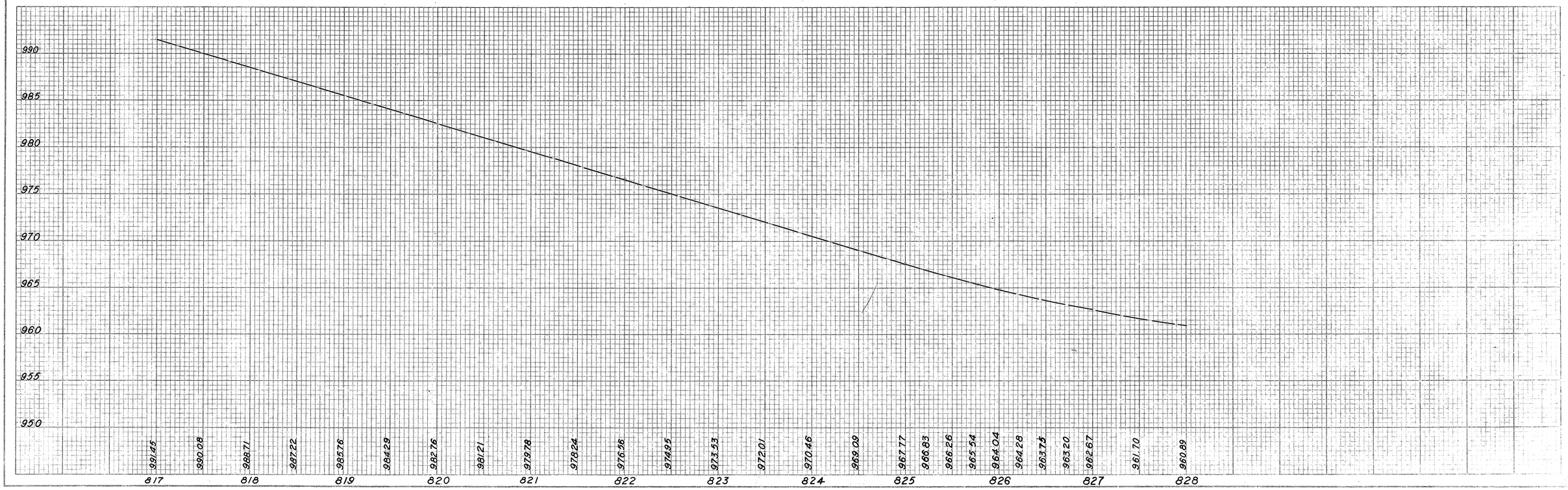




① 1½"-T-35 Aspholtic conc. Surf. Crse, Type A
② 1¼"-B-35 Aspholtic conc. Leveling Crse.
③ 3" B-35 Aspholtic conc. Base Crse.
④ 8" B-119 Cr. Aggr. Base Crse
⑤ 6" I-22 Subbase

TYPICAL SECTION ADJOINING PAVEMENT



Sta. 817+00 to Sta. 828+00

FED. RD. DIVISION	STATE	PROJECT		
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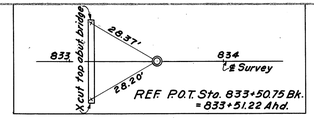
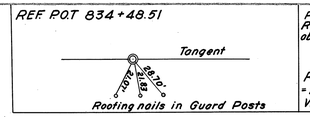
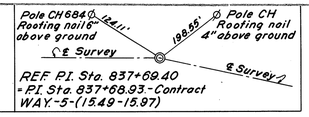
WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00



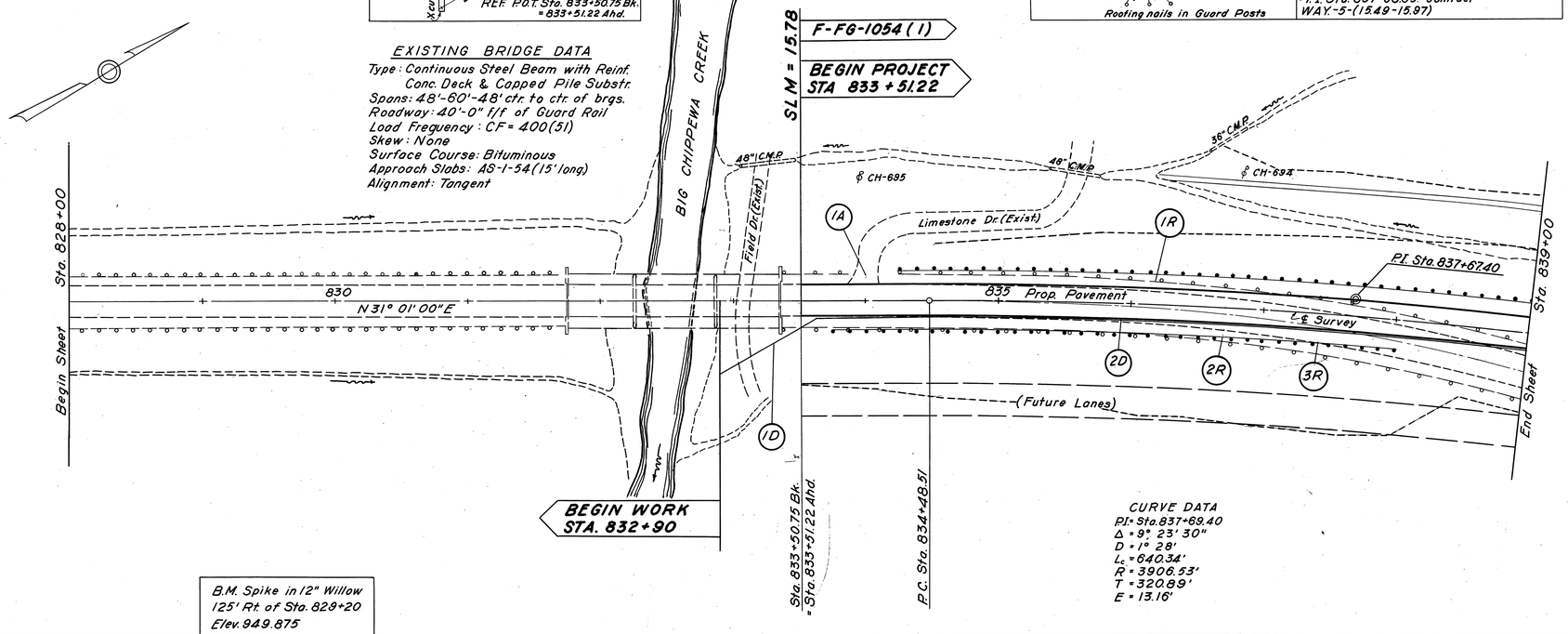
NOTE: Marker will be furnished and erected on the right by the State of Ohio before acceptance of this project.





EXISTING BRIDGE DATA

Type: Continuous Steel Beam with Reinf. Conc. Deck & Copped Pile Substr.
Spans: 48'-60'-48' ctr. to ctr. of brgs.
Roadway: 40'-0" f/f of Guard Rail
Load Frequency: CF = 400(51)
Skew: None
Surface Course: Bituminous
Approach Slabs: AS-1-54(15' long)
Alignment: Tangent



B.M. Spike in 12" Willow
125' Rt. of Sta. 829+20
Elev. 949.875

CURVE DATA
PI = Sta. 837+69.40
Δ = 9° 23' 30"
D = 1° 28'
L = 640.34'
R = 3906.53'
T = 320.89'
E = 13.16'

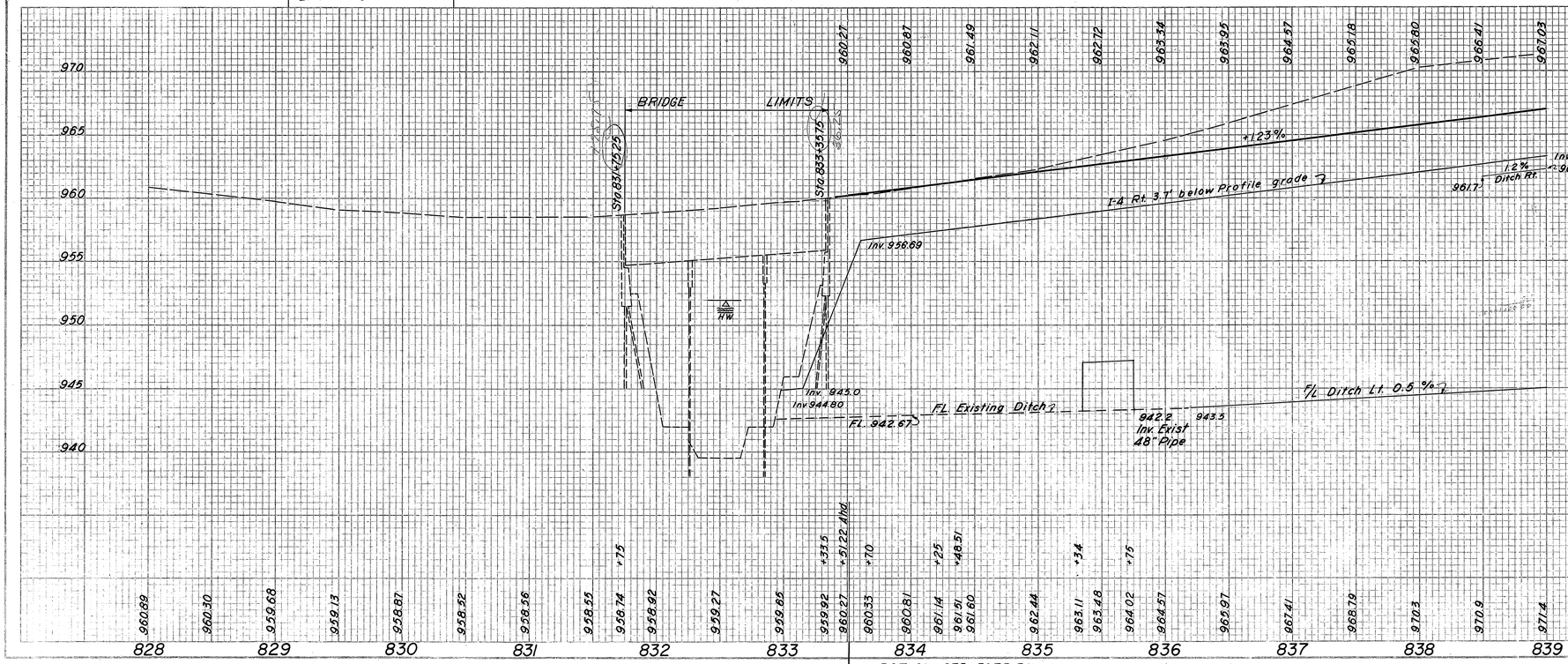
ROADWAY

Ref. No.	Station From	Station To	Side	I-15 Guard Rail Removed & Rebuilt L.F.	
1R	834+25	839+00	L	475	
2R	833+75	838+00	R	425	*
3R	838+00	839+00	R	100	*
Totals				1000	

* This quantity of existing guard rail to be removed and rebuilt at Sta. 853+25 to Sta. 854+25 on Lt.
* Removed and Rebuilt at time directed by Engineer

DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain Shallow 6" L.F.	I-4 Pipe Outlet for Underdrain 8" L.F.	I-5 for I-4 Underdrain 30° Bends 6" Each	I-5 for Pipe Outlets 45° Bends 8" Each	
1D	832+90	833+62	R		96		2	
2D	833+62	839+00	R	538		1		
Totals				538	96	1	2	



MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
834+48.51	P.C.	2	Set as directed	274
Total		2		

DRIVES AND APPROACHES

Ref. No.	Station From	Station To	Side	I-18 Crushed Aggregate Shoulders & Approaches Cu. Yds.	
1-A	834+00	-	L	5	
Totals				5	

Excavation	3,511 Cu. Yds.
Embankment	4,015 Cu. Yds.
Embankment * 20%	4,818 Cu. Yds.

Sta. 828+00 to Sta. 839+00

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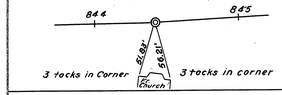
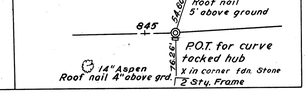
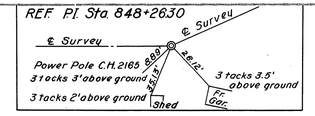
REF. P.O.S. Sta. 844+41.53

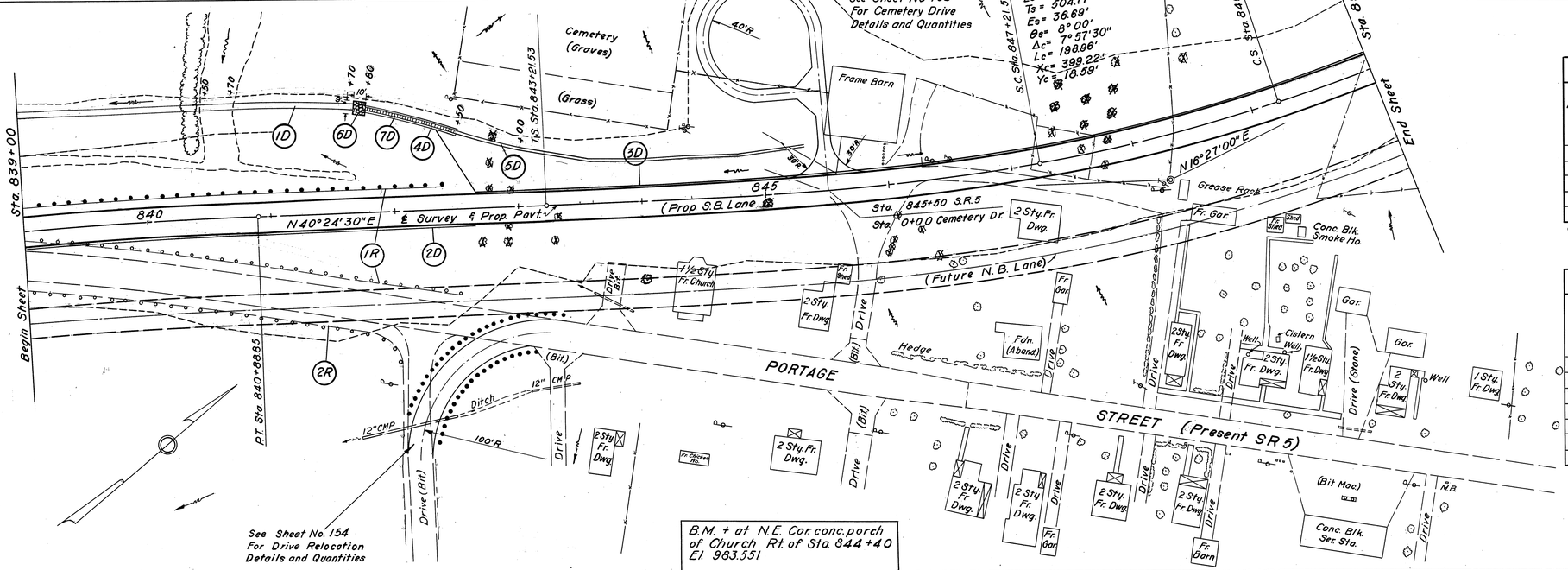


REF. POST. Sta. 845+21.53



REF. P.I. Sta. 848+26.30





ROADWAY

Ref. No.	Station From	Station To	Side	I-15 Guard Rail Removed & Rebuilt L.F.	I-15 * Guard Rail Removed & Rebuilt L.F.		
1R	839+00	842+37.5	L	337.5			
2R	839+00	841+90	R		287.5		
Totals				337.5	287.5		

* This quantity of existing guard rail to be removed and rebuilt at Sta. 854+25 to 857+15

DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain 6" L.F. Shallow	I-4 Underdrain 6" L.F. Deep	I-4 Pipe Outlets for Underdrain 6" L.F.	I-5 for I-4 60° Bend 6" Ea.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.
1D	840+50	841+70	L					6	80
2D	839+00	842+65	R	365					
3D	842+28	850+00	L		800	10	1		
4D	841+80	842+50	L						27
5D	842+50	843+00	L					6	33
Totals				365	800	10	1		140

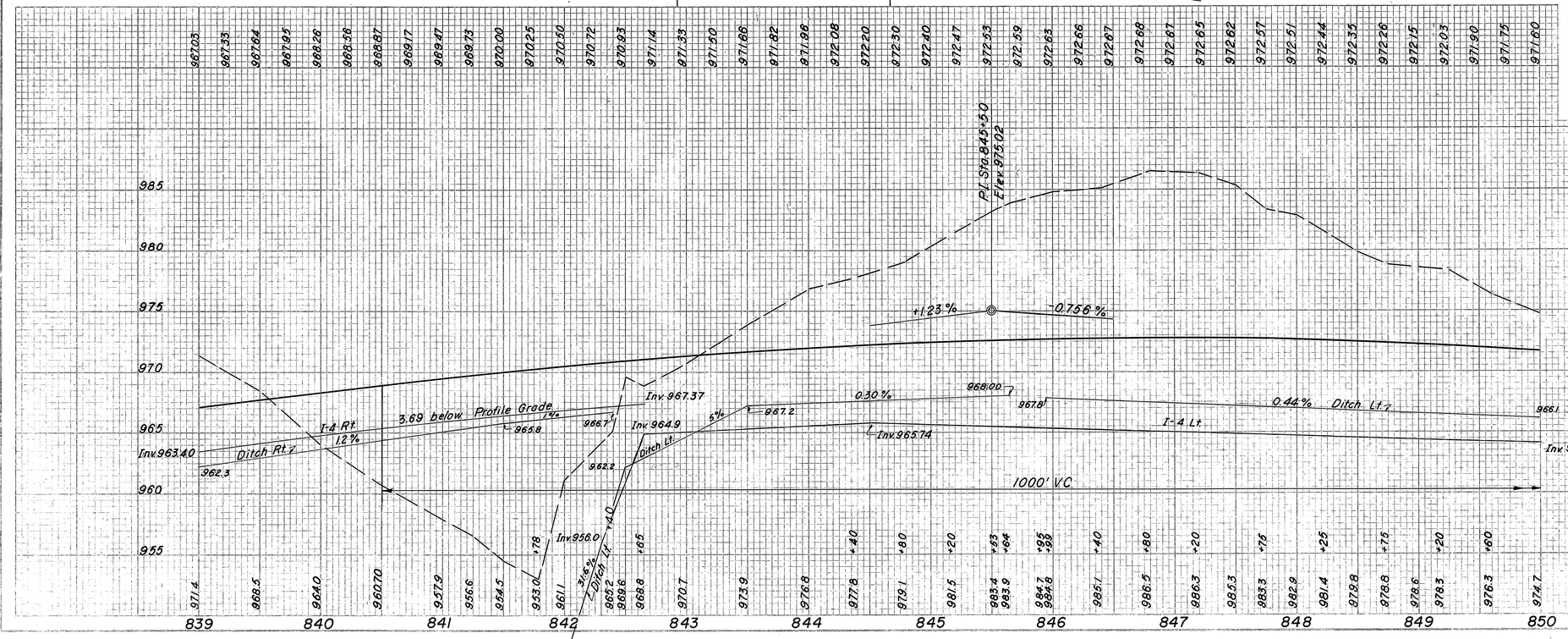
DRAINAGE (CONT.)

Ref. No.	Station From	Station To	Side	I-10 Dumped Rock Depth inches	I-10 Dumped Rock C.Y.	I-14 Std. Type I Paved Gutter L.f.
6D	841+70	841+80	L	30	8	
7D	841+80	842+50	L			80
Totals					8	80

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
840+88.85	P.T.	2	Set as directed	274
844+54.89	P.C. (R/W)	2	"	275
847+21.62	P.C.C. R/W	2	"	275
849+20.58	P.C.C. R/W	2	"	275
Total		8		

Excavation	35,898 Cu.Yds.
Embankment	10,922 Cu.Yds.
Embankment +20 %	13,106 Cu.Yds.



Sta. 839+00 to Sta. 850+00

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WAYNE & SUMMIT COUNTIES
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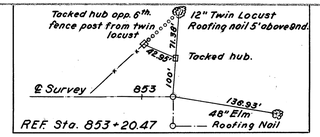
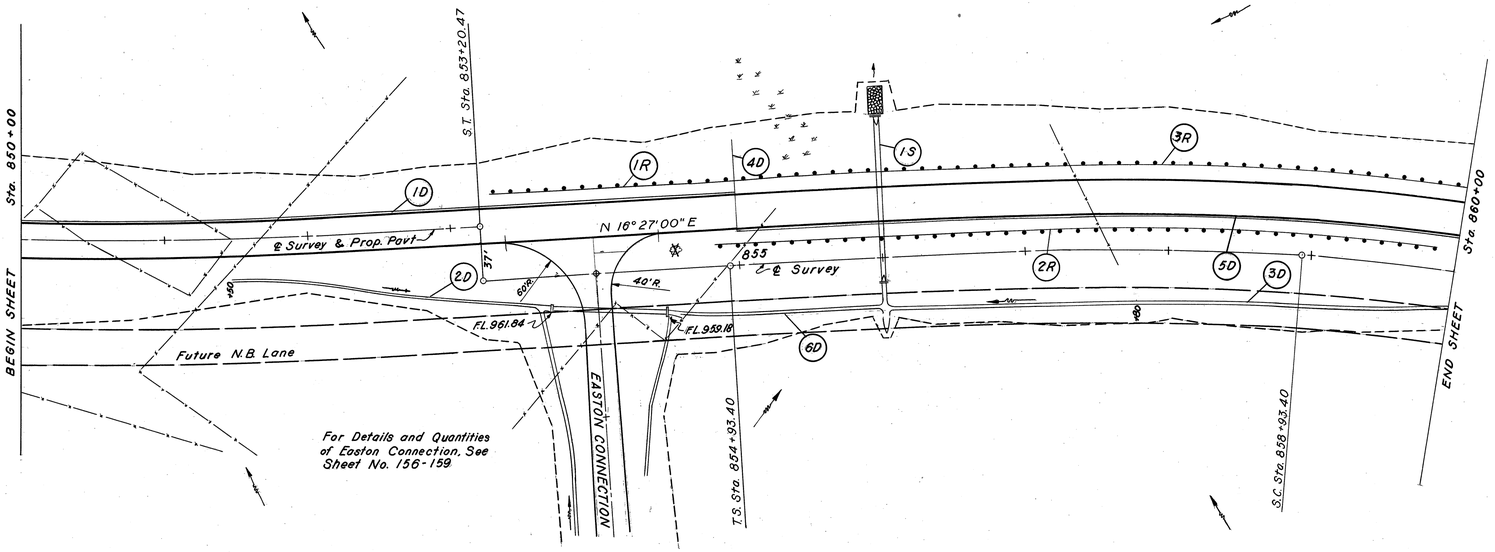
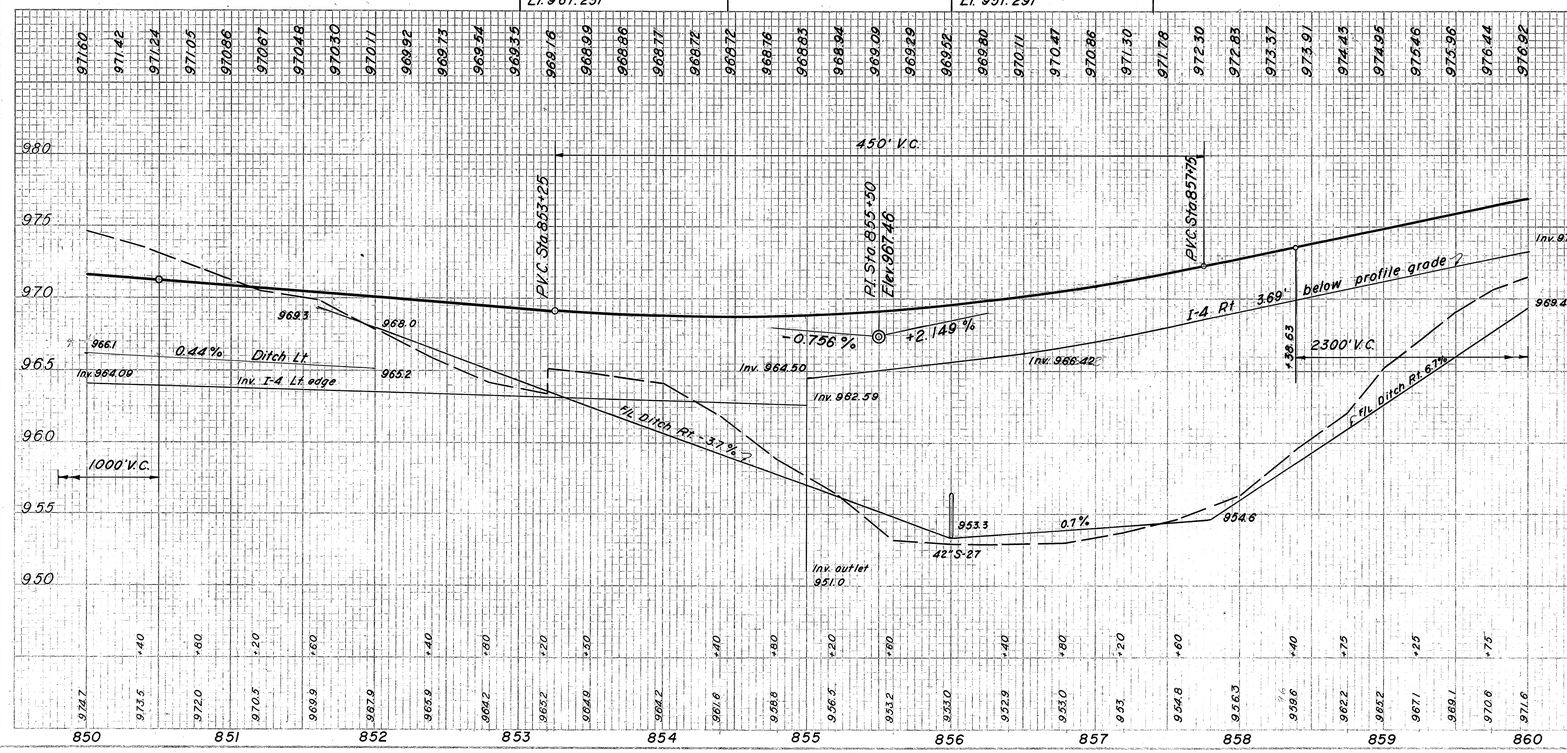
SUM.-5-0.00





B.M. Bolt in 40" Elm
12' Lt. of Sta. 854+56
El. 961.231

B.M. R.R. Spike in 36" Elm
208' Lt. of Sta. 856+50
El. 951.291



ROADWAY

Ref. No.	Station From	Station To	Side	I-15 Guard Rail Steel Beam Type (Deep) L.F	I-15 Guard Rail * L.F	
1-R	853+17	857+04.5	L		387.5	
2-R	854+80	859+80	R	500		
3R	857+04.5	860+00	L	295.5		
Totals				795.5	387.5	

* This quantity of guard rail to be built from removals as Shown on Sheets 15 & 16

STRUCTURES (20' Span and Under)

Ref. No.	Station	Side	E-2 Excavation for Struct. C.Y.	S-1 Conc. for Structure Class E C.Y.	S-27 Pipe for Rdwy. Culv. 42" L.F.	I-10 Dumped Rock Fill C.Y.	See Sheet No.
L-S	856+00	L&R	50	3.2	116	19	224
Totals			50	3.2	116	19	

DRAINAGE

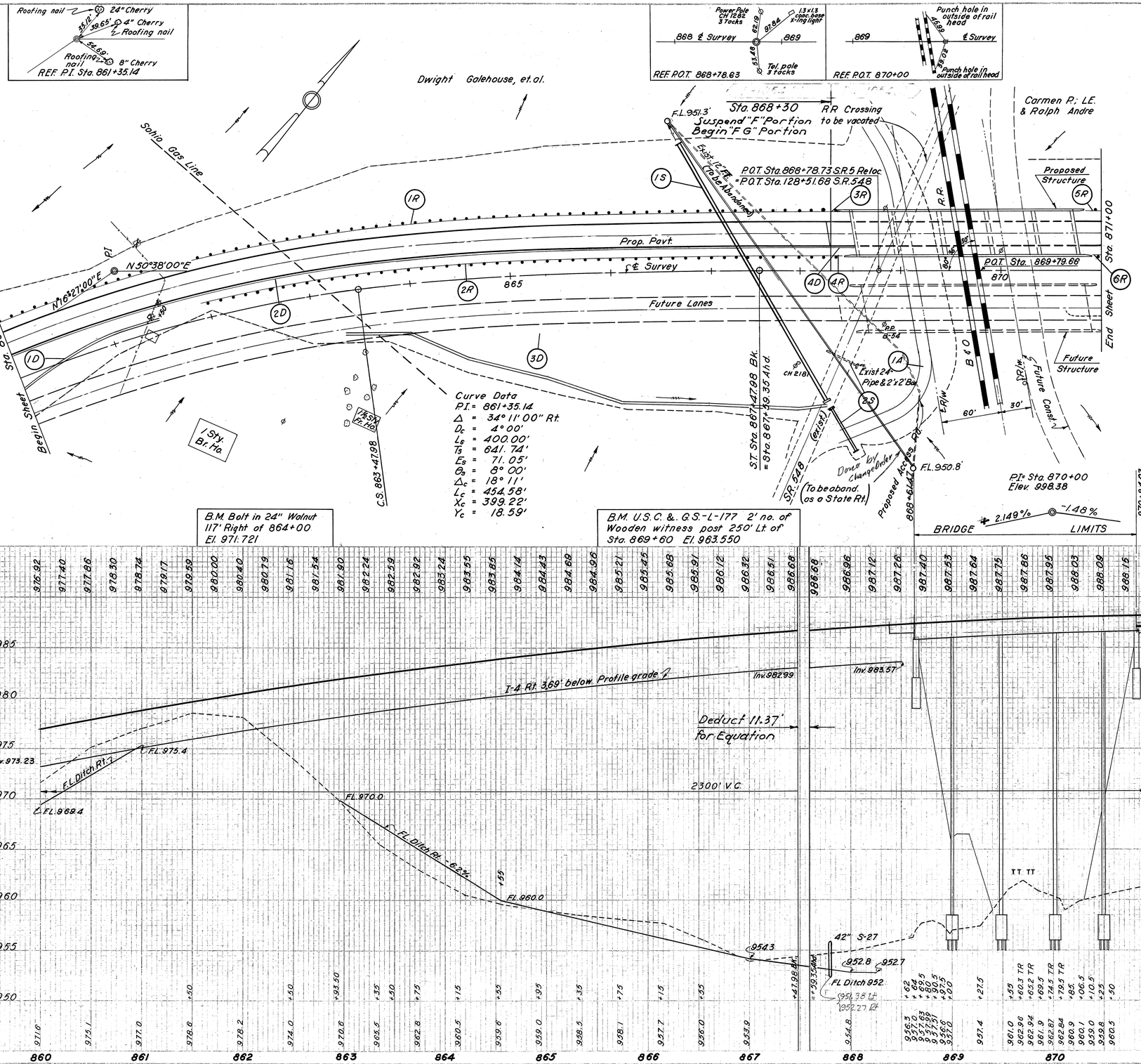
Ref. No.	Station From	Station To	Side	I-4 Underdrain Shallow 6" L.F	I-4 Underdrain Deep 6" L.F	I-5 for I-2 Tee 6"x8" Each	I-2 Class A Storm Sewer Under Pavt. 8" L.F	L-10 Sodding Width L.F	L-10 Sodding S.Y.	
1D	850+00	855+00	R		500					
2D	851+50	853+65	R					9	222	
3D	856+00	860+00	R					9	400	
4D	855+00		L			2	78			
5D	855+00	860+00	L	500						
6D	854+48	856+00	R					9	150	
Totals				500	500	2	78		772	

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
851+87.31	P.T. (R/W)	2	Set as directed	275
853+20.67	P.O.T.	2	"	275
856+26.76	P.C. R/W	2	"	276
858+93.29	P.C.C. R/W	2	"	276
Total		8		

Excavation	3,158 Cu. Yds.
Embankment	26,808 Cu. Yds.
Embankment +20%	32,170 Cu. Yds.

Sta. 850+00 to Sta. 860+00



BRIDGE No. WAY-5-1649
Type : Continuous Conc. Slabs with reinf. conc. substructure
Span - 38'-47.5'-47.5'-47.5'-38' c/c brgs.
Roadway - 44' t/f 2'-1" parapets
Load Frequency - CF = 400 (57)
Skew - 09°-23'-30" RF.
Wearing Surface: 1" Monolithic conc.
Approach Slabs : AS-1-54 (25' long)
Alignment - Tangent

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ROADWAY

Ref. No.	Station From	Station To	Side	I-15 Guard Rail Steel Beam Type (Deep) L.F	
F 1054 (1)					
1R	860+00	868+30	L	818.5	
2R	861+93.6	868+30	R	625	
Total				1443.0	
FG - 1054 (1)					
3R	868+30	868+41	L	11	
4R	868+30	868+42.5	R	12.5	
5R	870+83	871+00	L	17	
6R	870+92	871+00	L	8	
Total				48.5	

DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain Shallow 6" L.F	L-10 Sodding Width L.F	L-10 Sodding S.Y.
F-1054 (1)						
1D	860+00	861+50	R		6	100
2D	860+00	868+30	L	819		
3D	863+30	867+80	R		6	286
Totals				819		386
FG-1054 (1)						
4D	868+30	868+50	L	20		
Total				20		

STRUCTURES (20 Ft. Span and Under)

Ref. No.	Station From	Station To	Side	S-27 Heavy Duty R.C.C.P. M-170 (II) 42" L.F	E-2 Excavation for Struc. C.Y.	S-1 Conc. for Structures Class E C.Y.	F-3 Channel Excavation C.Y.	S-27 Pipe for Roadway Culverts 24" L.F	S-24 Removal of Exist. Struct.	See Sheet No.
F 1054 (1)										
1-S	867+40		L & R	296	260	1.5	100			224
Total				296	260	1.5	100			
FG-1054 (1)										
2-S	869+07 (Rt.)		R		37	0.8	40	58	Lump Sum	231
Totals					37	0.8	40	58	Lump Sum	

PAVEMENT

Station From	Station To	Side	I-7 Approach Slab T-13" S.Y.
FG-1054 (1)			
868+36.47	868+51.47	L	66.7
870+84.03	871+09.03	L	66.7
Total			133.4

DRIVES & APPROACHES

Ref No	Station From	Station To	Side	I-18 Stab. Crd. Aggregate Shoulders & Appr. C.Y.	See Sheet No.
FG-1054 (1)					
1A	869+10		L & R	136	67
Totals				136	

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
F-1054 (1)				
863+48.07	P.C.C. (R/W	2	Set as directed	276
866+14.80	P.T. (R/W	2	"	276
Total		4		

Sta. 860+00 to 868+30

Excavation	944 Cu.Yds.
Embankment	82,981 Cu.Yds.
Embankment +20%	99,577 Cu.Yds.

Sta. 860+00 to Sta. 871+00

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WAYNE & SUMMIT COUNTIES
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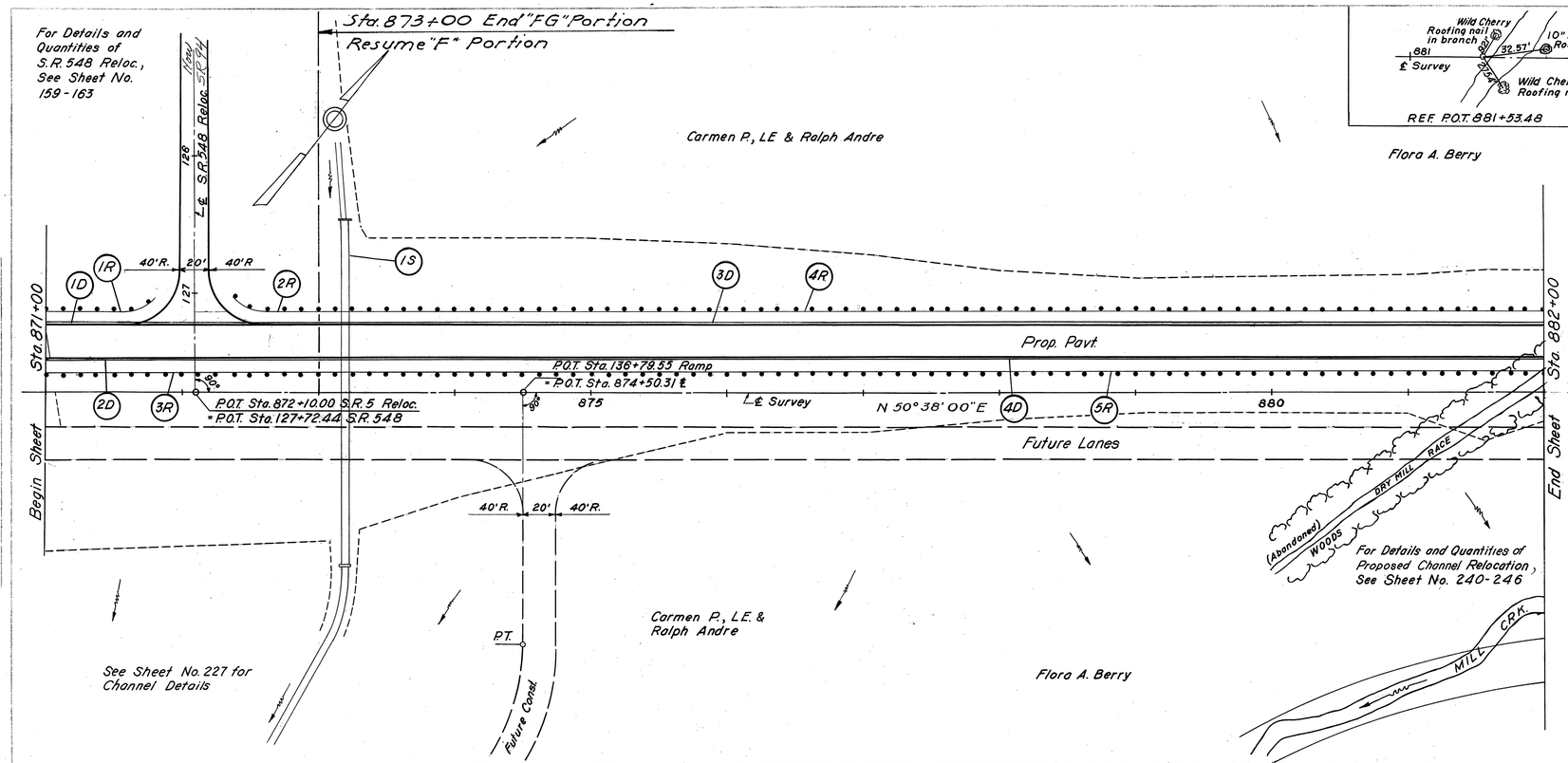
SUM-5-0.00

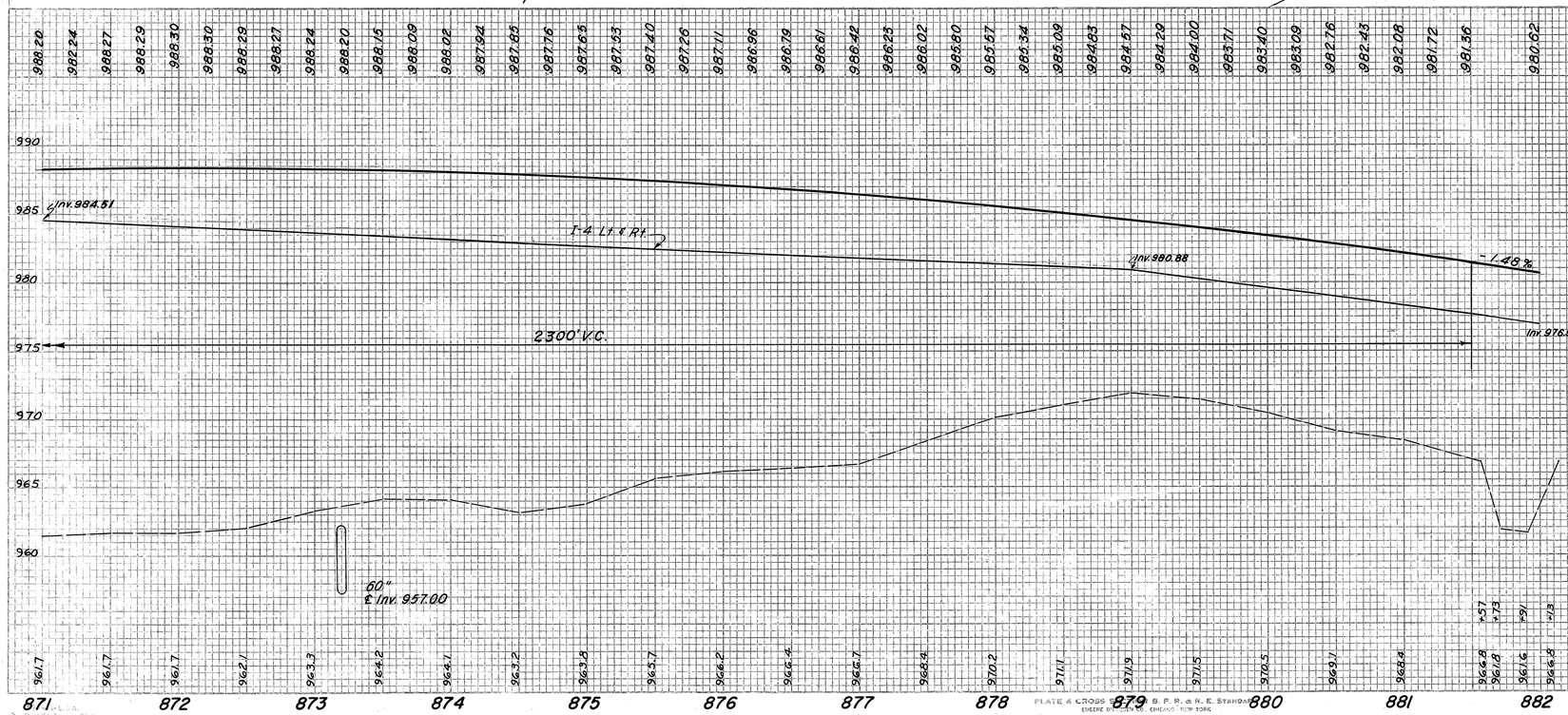


ROADWAY

Ref. No.	Station From	Station To	Side	I-15 Guard Rail Steel Beam Type (Deep) L.F.		
FG-1054 (1)						
1R	871+00	871+83	L	83.0		
2R	872+39	873+00	L	67.9		
3R	871+00	873+00	L	200		
Total				350.9		
F- 1054 (1)						
4R	873+00	882+00	L	900		
5R	873+00	882+00	L	900		
Total				1800		

STRUCTURE

Ref. No.	Station From	Station To	Side	S-28 Sect. Corr. Metal Pipe 10-10Ga-60" L.F.	E-2 Excavation for Struc. C.Y.	E-3 Channel Excavation C.Y.	S-1 Concrete for Structures C.Y.	See Sheet No.
F-1054 (1)								
1-S	873+20		L&R	256	101	1378	5.1	226
Totals				256	101	1378	5.1	



DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain (Shallow) L.F.
FG - 1054 (1)				
1D	871+00	873+00	L	200
2D	871+00	873+00	L	200
Total				400
F -1054 (1)				
3D	873+00	882+00	L	900
4D	873+00	882+00	L	900
Total				1800

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
F- 1054 (1)				
874+00	P.O.T.	2	Set as directed	277
Totals		2		

Sta. 868+30 - 873+00		
Excavation	0	Cu. Yds.
Embankment	69,657	Cu. Yds.
Embankment +20%	83,588	Cu. Yds.

Sta. 873+00 - 882+00		
Excavation	0	Cu. Yds.
Embankment	59,053	Cu. Yds.
Embankment + 20%	70,864	Cu. Yds.

Sta. 871+00 To Sta. 882+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

20
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

REF. P.C. Sta. 882+17.81
℄ Survey
173.23'
345°
148.48'
Tacked Hub
Roofing nail in 12" Ash

CURVE DATA
P.I. Sta. 894+32.21
Δ = 23° 56' 00" Rt.
D = 1° 00'
R = 5729.58'
Lc = 2393.33'
T = 1214.40'
E = 127.25'

BRIDGE No. WAY-5-1688
Type - Continuous concrete slab on capped pile abutments and piers.
Span - 28' : 35' : 28' c/c brgs.
Roadway - 44' t/f t guard rails
Load Frequency : C.F = 400 (51)
Skew - 15° L.F.
Wearing Surface 1" monolithic concrete
Approach Slabs - AS-1-54 (25' long)
Alignment - D = 1°-00' Rt.

Flora A. Berry
Heavy Woods
Juanita C. & Joseph E. Marshall
Backfill existing channel as directed by Engineer
Cultivated Field
Woods
Abandoned Mill Race
Brush
℄ Survey 885
Prop. Pavt.
MILL CREEK
Heavy Woods
OVER FLOW CHANNEL
Future Lanes
Sta. 891+50
Mill Creek 20+00
Cultivated Field
Heavy Woods
Flora A. Berry
MILL CREEK (Prop. Relocation)
Juanita C. & Joseph E. Marshall
Begin Sheet
P.C. Sta. 882+17.81
Sta. 882+00
End Sheet
Sta. 893+00
200'
30'
24'
15'
12'
1:12

B.M. RR Spike in 24" Elm
4" Rt. of Sta. 885+07
El. 963.791

B.M. RR Spike in 16" Cherry
135' Rt. of Sta. 886+67
El. 962.731

ROADWAY

Ref. No.	Station From	Station To	Side	I-15 Guard Rail Steel Beam Type (Open) L.F.
1R	882+00	891+19.6	L	919.6
2R	882+00	891+07.8	L	907.8
3R	892+00.	893+00	L	100
4R	892+12.5	893+00	L	87.5
Total				2014.9

PAVEMENT

Ref. No.	Station From	Station To	Side	I-7 Approach Slab T=13 S.Y.
1P	890+78.72	891+03.72	L	66.7
2P	891+96.28	892+21.28	L	66.7
	Totals			133.4

DRAINAGE

Ref. No.	Station From	Station To	Side	I-10 Dumped Rock Fill Depth Inches	I-10 Dumped Rock Fill C.Y.	I-4 Underdrain Shallow 6" L.F.	I-4 Pipe Outlets for Underdrains 6" L.F.		I-5 for I-4 45° Bend 6"Ea.	I-5 for I-4 30° Bend 6"Ea.	I-5 for I-4 45° WYE 6"Ea.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.
1D	882+00	882+35	L			35							
2D	882+00	882+05	L			5							
3D	882+05	882+70	L			86	10		1		1		
4D	882+10	891+16	16R			910	10		1				
5D	891+80	893+00	16R			118	10			1			
6D	885+75	887+00	R									9	125
7D	891+35	893+00	R									12	220
8D	891+90	893+00	R									9	110
9D	892+00		L	30	222								
10D	891+70		L	30	67								
11D	891+00		R	30	162								
Totals					*451	1154	30		2	1	1		455

* Carried to Structure Quantities. See Sheet No 254

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
882+17.81	P.C.	2	Set as directed	277
890+00	P.O.C.	2	" " "	278
Total		4		

Excavation	1,341 Cu. Yds.
Embankment	36,217 Cu. Yds.
Embankment + 20%	43,460 Cu. Yds.

980.62 979.14 977.75 977.12 976.54 976.00 975.51 975.06 974.65 974.29 973.98 973.71 973.48 973.39 973.30 973.28 973.17 973.12 973.08 973.05 973.03 973.02 973.03 973.04 973.07 973.11 973.16 973.22 973.29

990
985
980 — -1.48%
975 — Inv. 976.93
970 — I-4 3.69' below profile Grade
965 — 968.2 — 5.71%
960 — 958.7 — f/l. Ditch Lt. 1 0.3%
955 — 958.35
2200' V.C.
BRIDGE LIMITS
Sta. 891+03.72
Sta. 891+96.28
H.W.
I-4 3.69' below profile
958.5 f/l. Ditch Rt. 1.0%
959.5 Rt.
958.4 Lt.
f/l. Ditch Lt. 1.2%
958.2

966.8 +13 | 965.8 +25 | 966.5 +75 | 966.0 +25 | 963.5 +75 | 962.4 +25 | 962.9 +25 | 964.0 +25 | 962.8 +75 | 962.3 +15 | 961.7 +32 | 955.9 +39 | 955.8 +54 | 960.2 +75 | 961.3 +25 | 961.7 +75 | 961.6 +25 | 962.4 +75 | 962.1 +25 | 962.9 +25 | 965.0 +25 | 964.8 +75 | 964.1 +25 | 964.6 +75 | 963.0 +25 | 961.5 +75 | 961.9 +25 | 961.7 +25 | 963.1 +41 | 962.9 +49 | 960.5 +57 | 960.1 +65 | 962.4 +75 | 963.1 +25 | 963.9 +75 | 964.4 +25 | 963.6 +75 | 963.4 +25 | 963.7 +25 | 964.0 +25 | 963.8 +75 | 964.1 +25 | 964.3 +25 | 963.8 +25 | 963.9 +75 | 963.6 +75 | 963.4

882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893

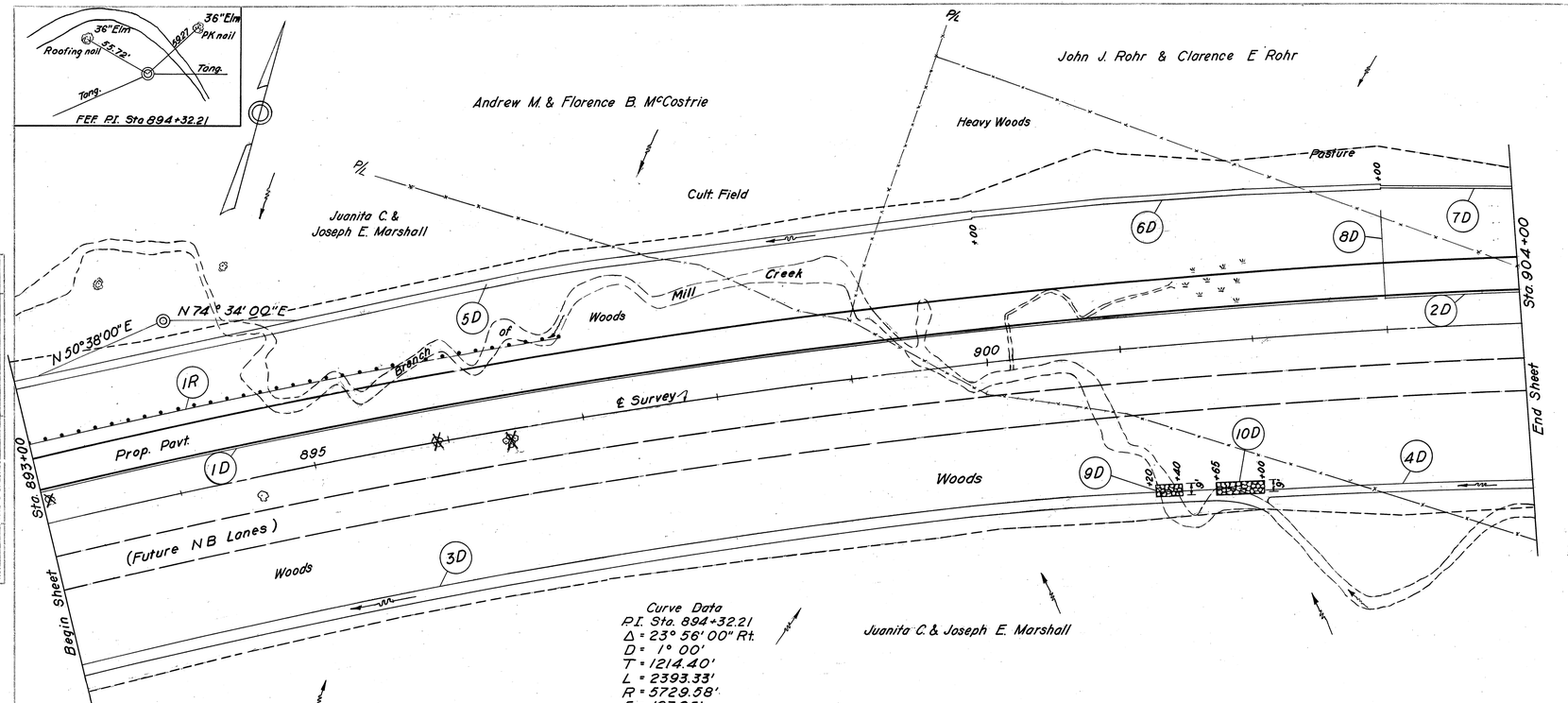
PLATE 4 CROSS SECTION B. P. R. & R. E. STANDARD
CHEMICAL PRINTING CO., CHICAGO - NEW YORK

Sta. 882+00 To Sta. 893+00

FED. RD DIVISION	STATE	PROJECT	
2	OHIO		

21
291

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



Curve Data
P.I. Sta. 894+32.21
Δ = 23° 56' 00" Rt.
D = 1° 00'
T = 1214.40'
L = 2393.33'
R = 5729.58'
E = 127.25'

B.M. R.R. Spike in 36" Oak
206' R.t. of Sta. 895+70
El. 968.581

B.M. Spike in root of
8" Elm 5' Rt of 900+79
El. 973.316

DRAINAGE

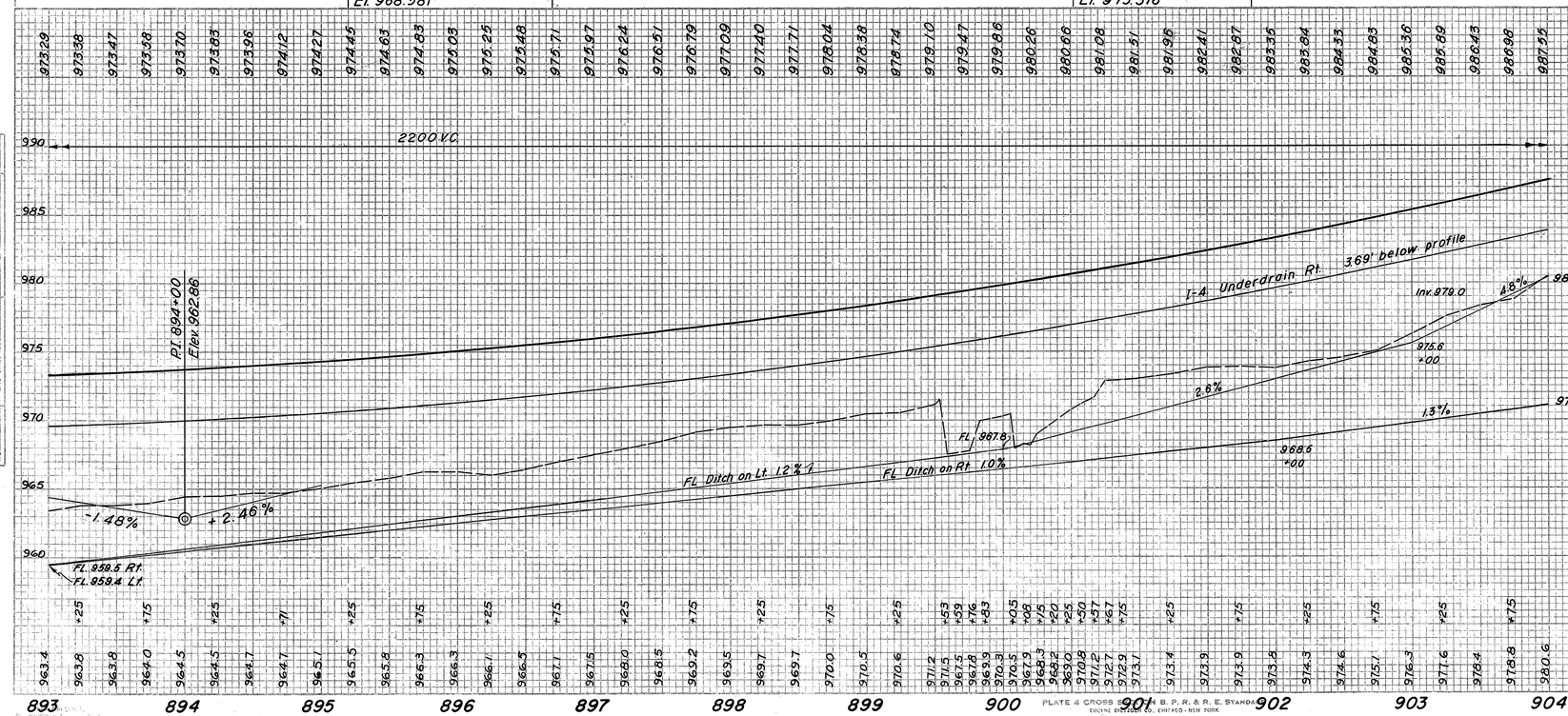
Ref. No.	Station From	Station To	Side	I-4 Underdrain Shallow 6" L.F.	I-5 for I-4 90° Bend 6" Each	I-4 Pipe Outlet for Underdrain 6" L.F.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	I-10 Dumped Rock Depth inches	I-10 Dumped Rock C.Y.
1D	893+00	902+95	L	800						
2D	903+00	904+00	L	100	1					
3D	893+00	902+00	R				12	1200		
4D	902+00	904+00	R				9	200		
5D	893+00	900+00	L				9	700		
6D	900+00	903+00	L				9	300		
7D	903+00	904+00	L				6	67		
8D	903+00		L	56		10				
9D	901+20	901+40	R						30	17
10D	901+65	902+00	R						30	29
Totals				956	1	10		2467		46

ROADWAY

Ref. No.	Station From	Station To	Side	I-15 Guard Rail Steel Beam Type (Deep) L.F.
1R	893+00	897+00	L	400
Totals				400

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
908+00	P.O.C	2	Set as directed	279
Total		2		



Excavation	7,106 Cu Yds.
Embankment	29,155 Cu Yds.
Embankment + 20%	34,986 Cu Yds.

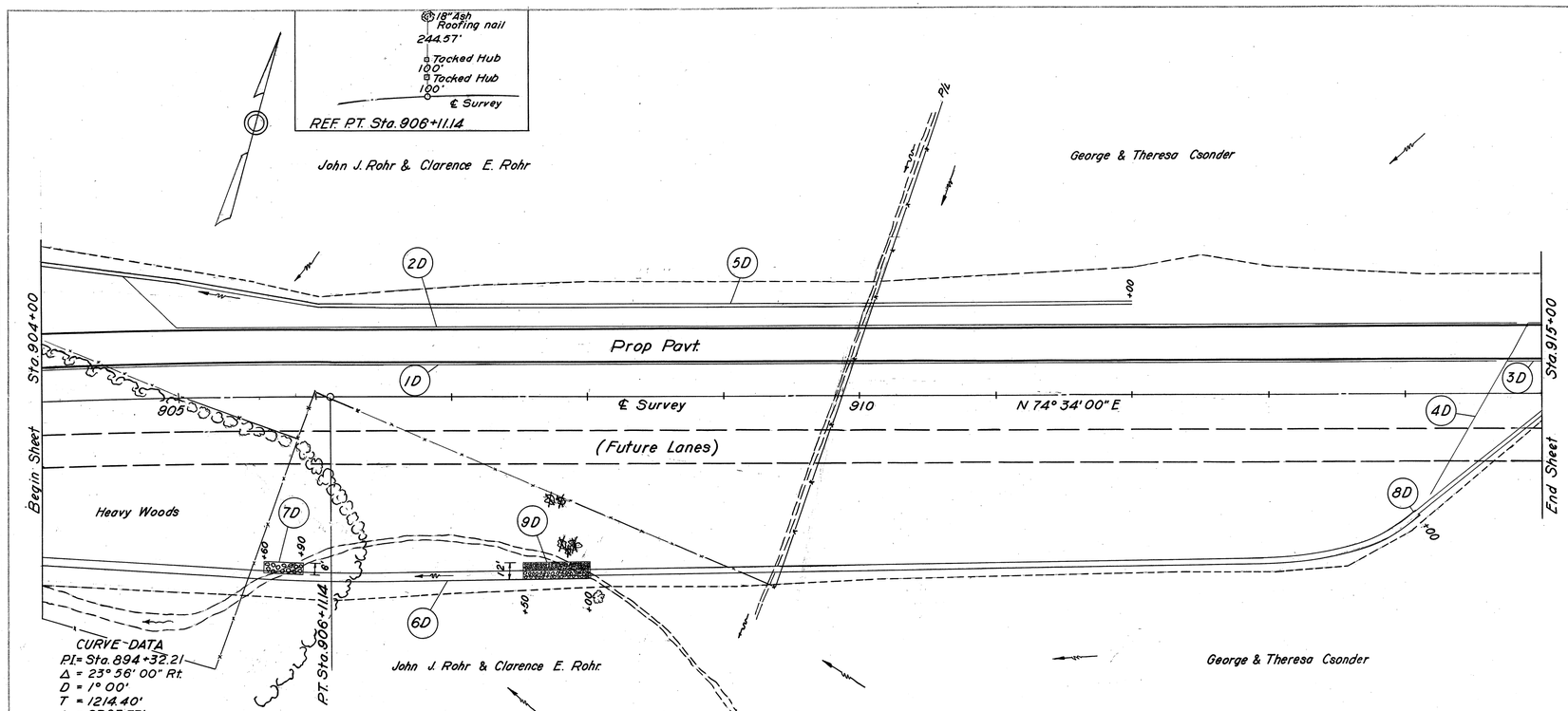
PLATE 4 CROSS SECTION B. P. R. & R. E. STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

Sta. 893+00 To Sta. 904+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

22
291

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



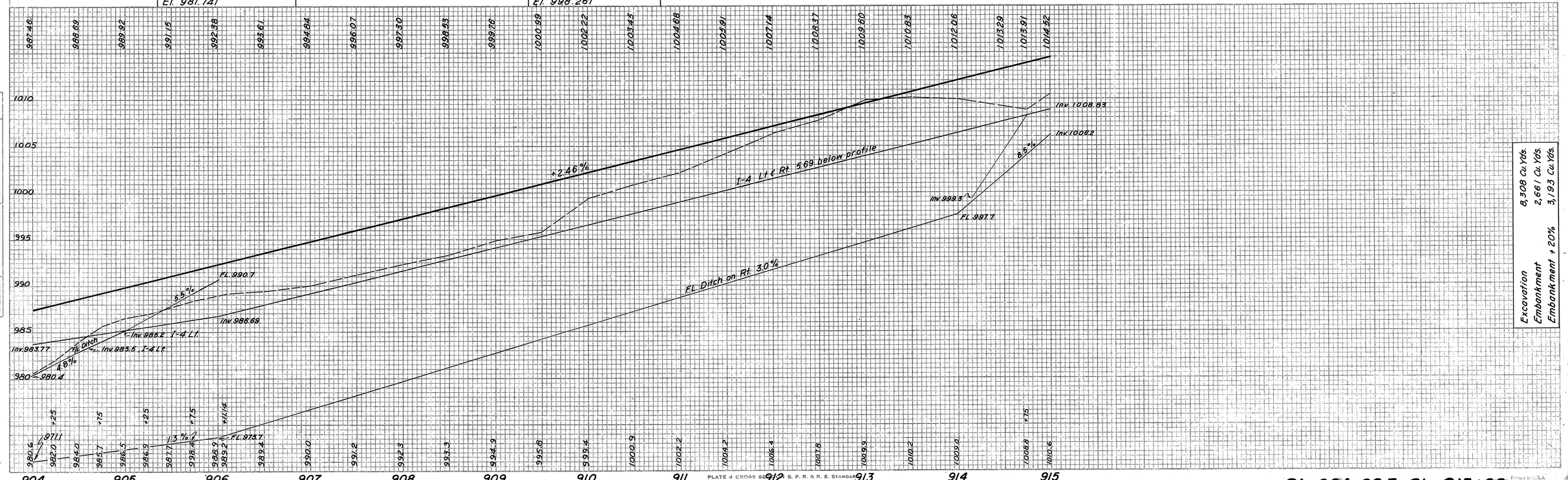


PLATE 4 CROSS SECTIONS U. S. B. P. R. & R. E. STANDARD
EUGENE DIETZGEN CO. CHICAGO - NEW YORK

DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain Deep 6" LF	I-4 Pipe outlet Underdrain 6" LF	I-5 for I-4 Bend 6" 45° Each	I-5 for I-4 Bend 6" 60° Each	I-5 for I-4 Wye 6" 60° Each	L-10 Sodding Width L.F	L-10 Sodding S.Y.	L-10 Dumped Rock Depth inches	L-10 Dumped Rock C.Y.
1D	904+00	914+70	L	1070								
2D	904+60	914+85	L	1030	10	1						
3D	914+75	915+00	L	25								
4D	914+15	915+00	L&R	152	10		1	1				
5D	904+00	912+00	L						9'	800		
6D	904+00	907+60	R						9'	350		
7D	905+60	905+90	R								30	17
8D	914+00	915+00	R						6'	67		
9D	907+50	908+00	R								30	55
Totals				2277	20	1	1	1		1217		72

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
906+11.4	P.T.	2	Set as directed	279
Total		2		

Excavation	8,308 Cu. Yds.
Embankment	2,661 Cu. Yds.
Embankment + 20%	3,193 Cu. Yds.

Sta. 904+00 To Sta. 915+00

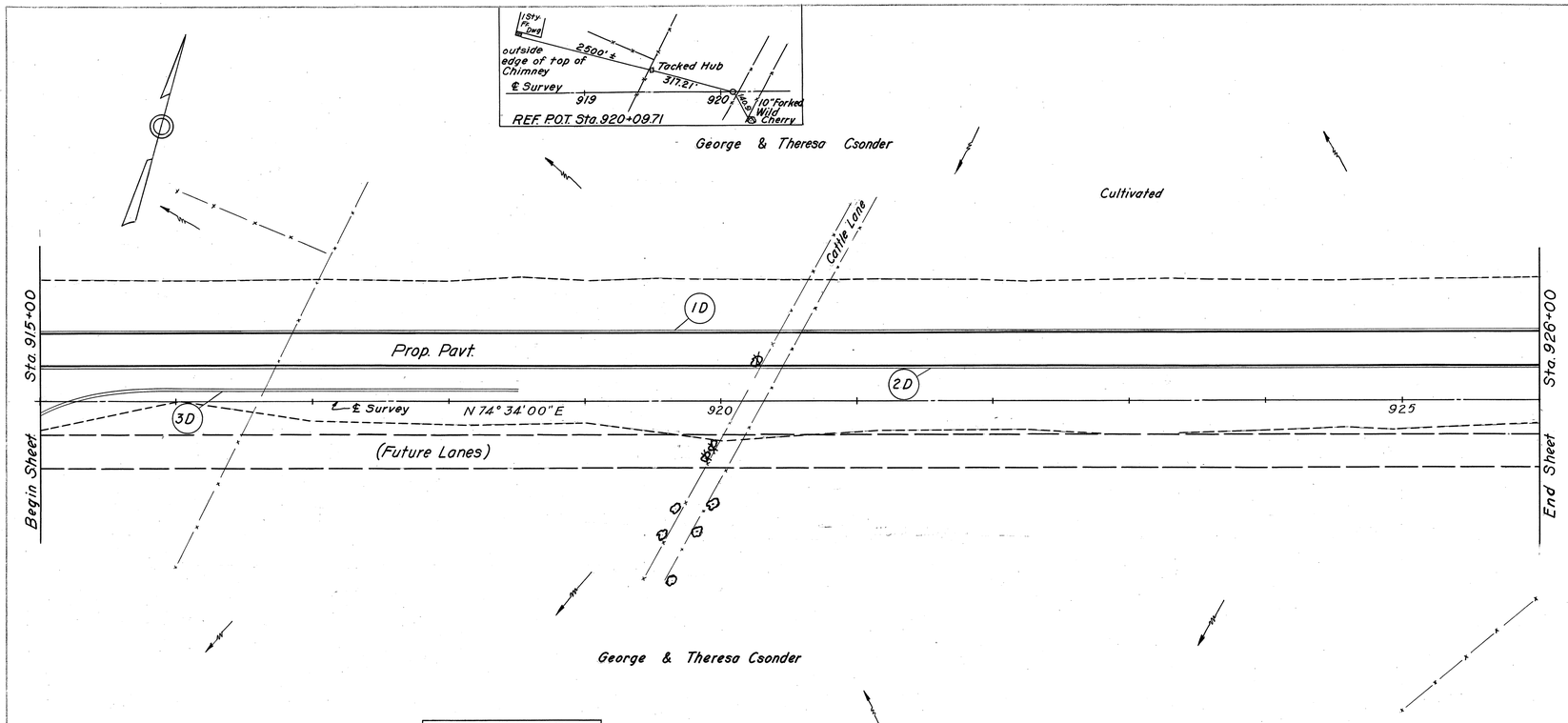
ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TYPED — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TYPED — AREAS — AREAS CHECKED — BY — DATE

Printed in U.S.A. IMPERIAL Printing Corp.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

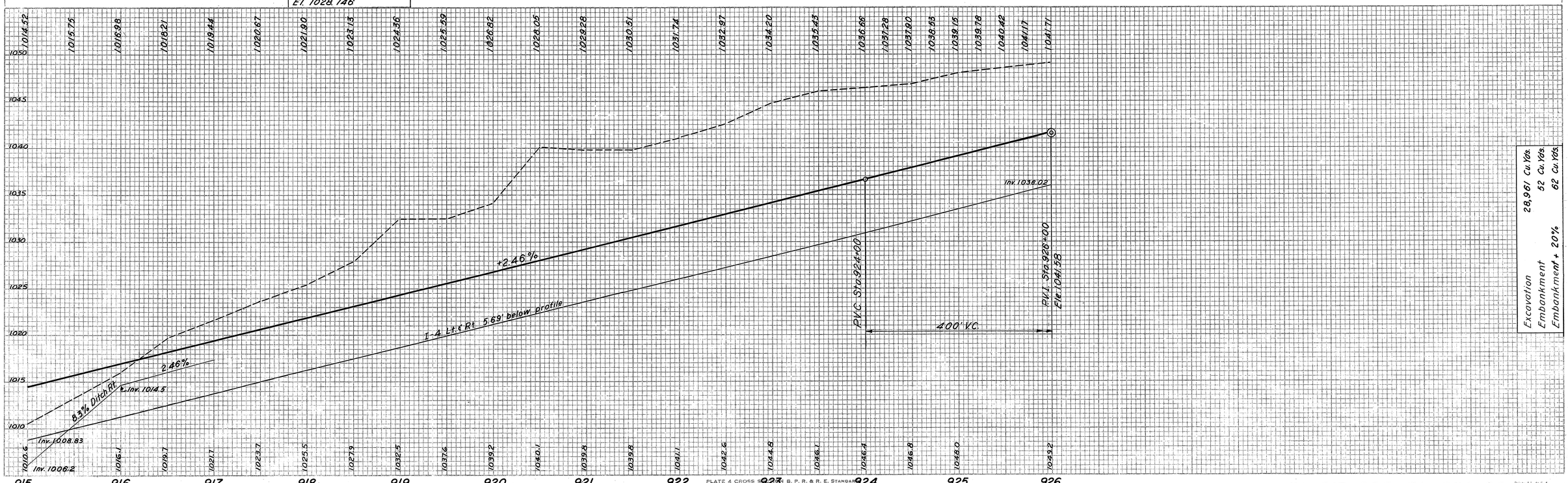


DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain Deep 6" L.F.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	
1D	915+00	926+00	L	1100			
2D	915+00	926+00	L	1100			
3D	915+00	918+50	L&R		6'	233	
Totals				2200		233	

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
920+00	P.O.T.	2	Set as directed	279
Total		2		



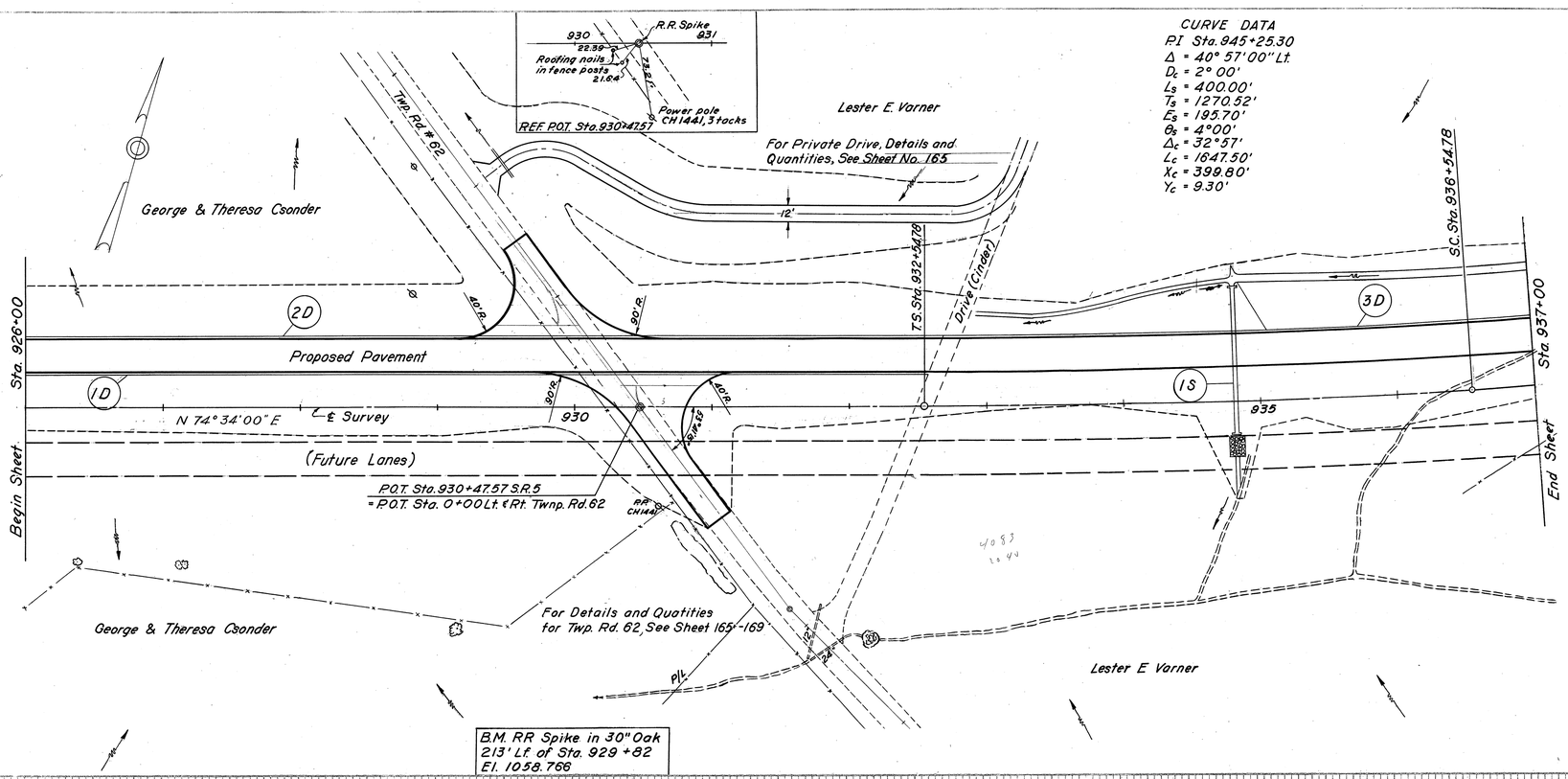
Sta. 915+00 To Sta. 926+00

PLATE 4 CROSS SECTION B. P. R. & R. E. STANDARD
ENGINE DIVISION CO., CHICAGO - NEW YORK

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

24
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



CURVE DATA
P.I Sta. 945+25.30
$\Delta = 40° 57' 00''$ Lt.
$D_c = 2° 00'$
$L_s = 400.00'$
$T_s = 1270.52'$
$E_s = 195.70'$
$\theta_s = 4° 00'$
$\Delta_c = 32° 57'$
$L_c = 1647.50'$
$X_c = 399.80'$
$Y_c = 9.30'$

DRAINAGE

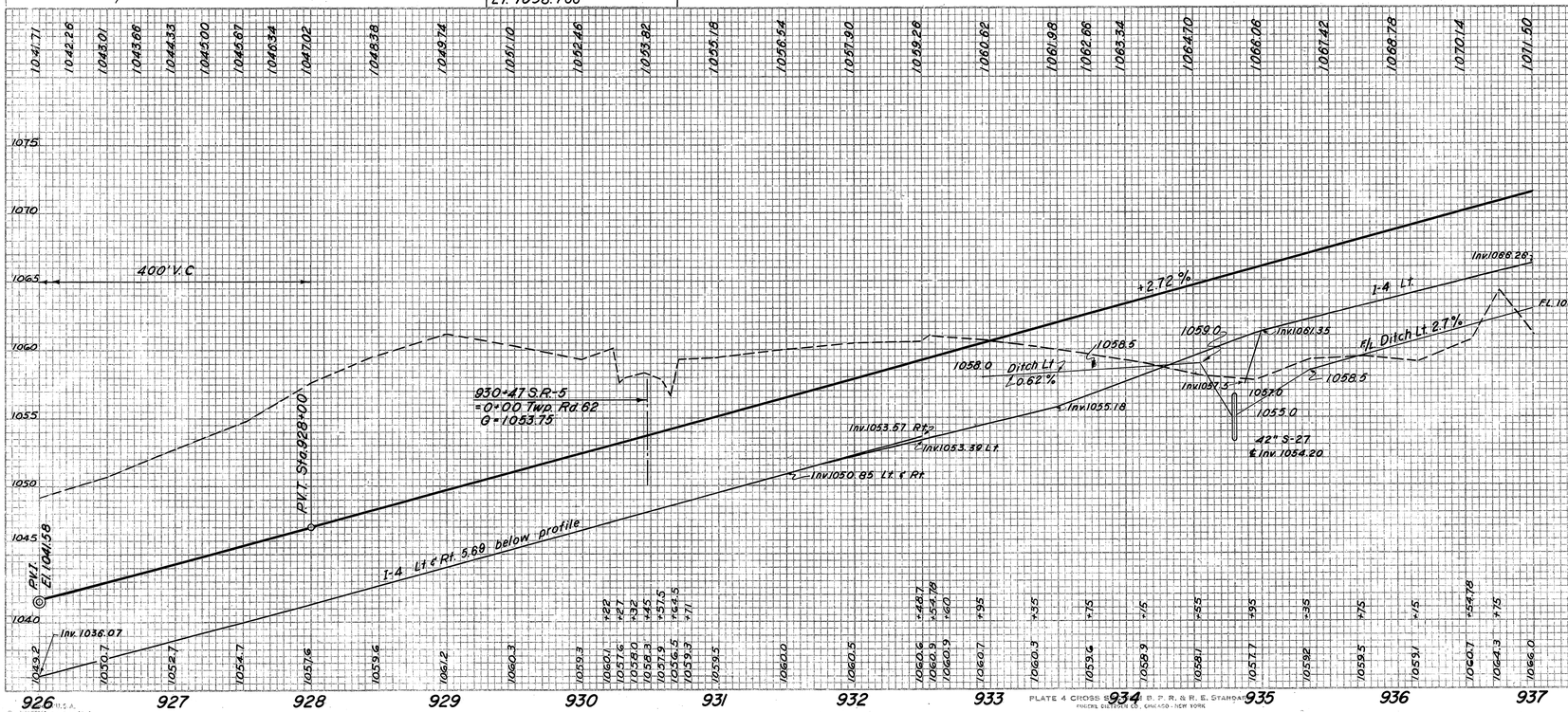
Ref. No.	Station From	Station To	Side	I-4 Underdrain 6" L.F. Shallow	I-4 Underdrain 6" L.F. Deep	I-4 Pipe Outlet for Underdrain 6" L.F.	I-5 for I-4 60° Bend 6" Each	L-10 Sodding Width L.F.	L-10 Sodding S.Y.
1D	926+00	932+55	L		655				
2D	926+00	935+00	L		900				
3D	934+85	937+00	L	232		10	1		
4D	934+80	937+00	L					9	220
Totals				232	1555	10	1		220

STRUCTURES (20' span & under)

Ref. No.	Station	Side	E-3 Channel Excavation C.Y.	E-2 Excav. for Structures C.Y.	S-27 Pipe for Culvert 48" L.F.	S-1 Conc. for Structures Class E C.Y.	I-10 Dumped Rock C.Y.	See Sheet No.
1-S	934+80	L & R	22	143	110	1.5	16	226
Totals			22	143	110	1.5	16	

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
933+88.10	P.C. (R/W)	2	Set as directed	280
936+54.79	P.C.C.	2	" " "	280
Total		4		



Excavation	24,109 Cu. Yds.
Embankment	4,694 Cu. Yds.
Embankment + 20%	5,633 Cu. Yds.

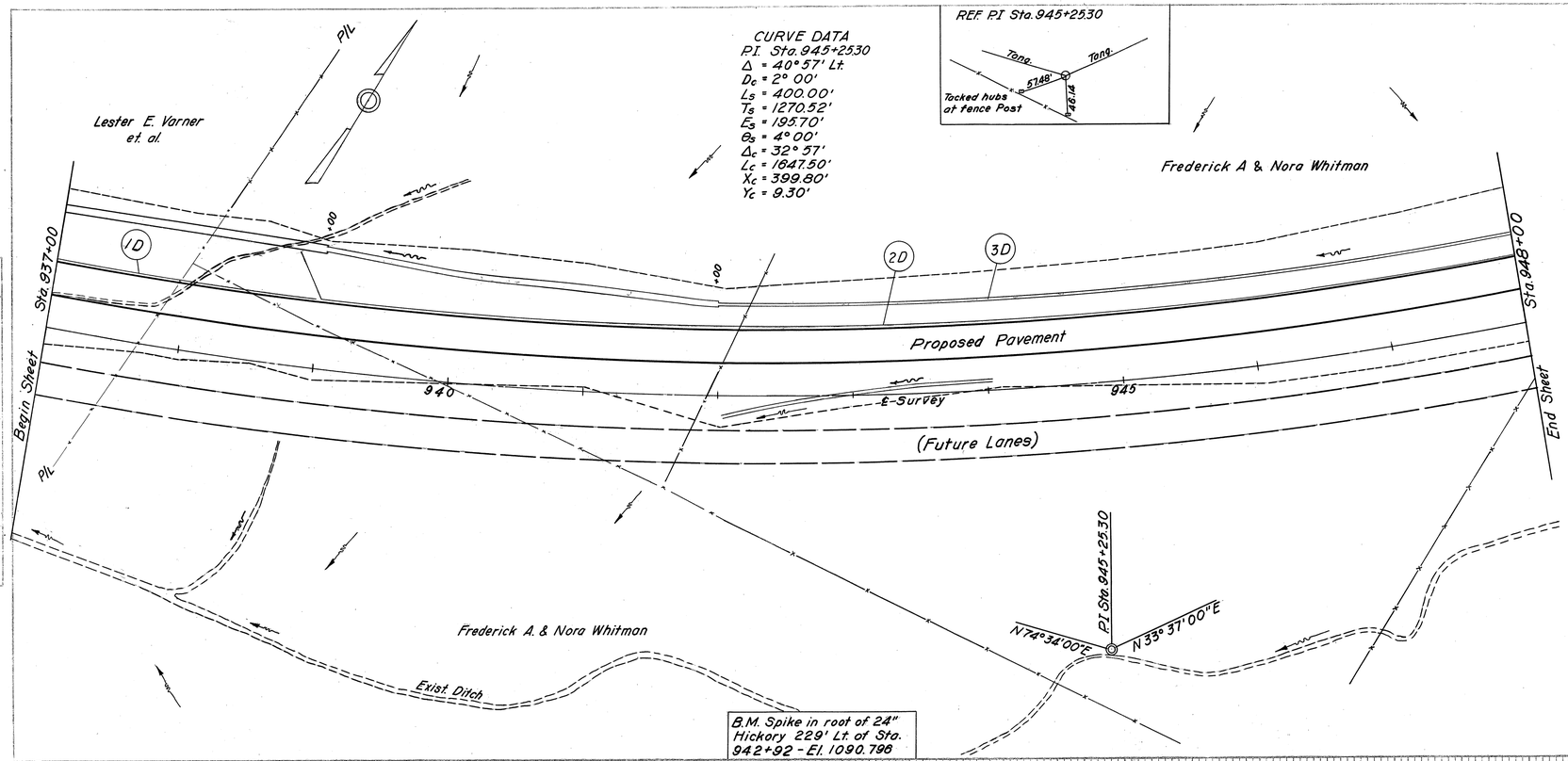
PLATE 4 CROSS SECTION PAPER B. P. R. & R. E. STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

Sta. 926+00 To Sta. 937+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

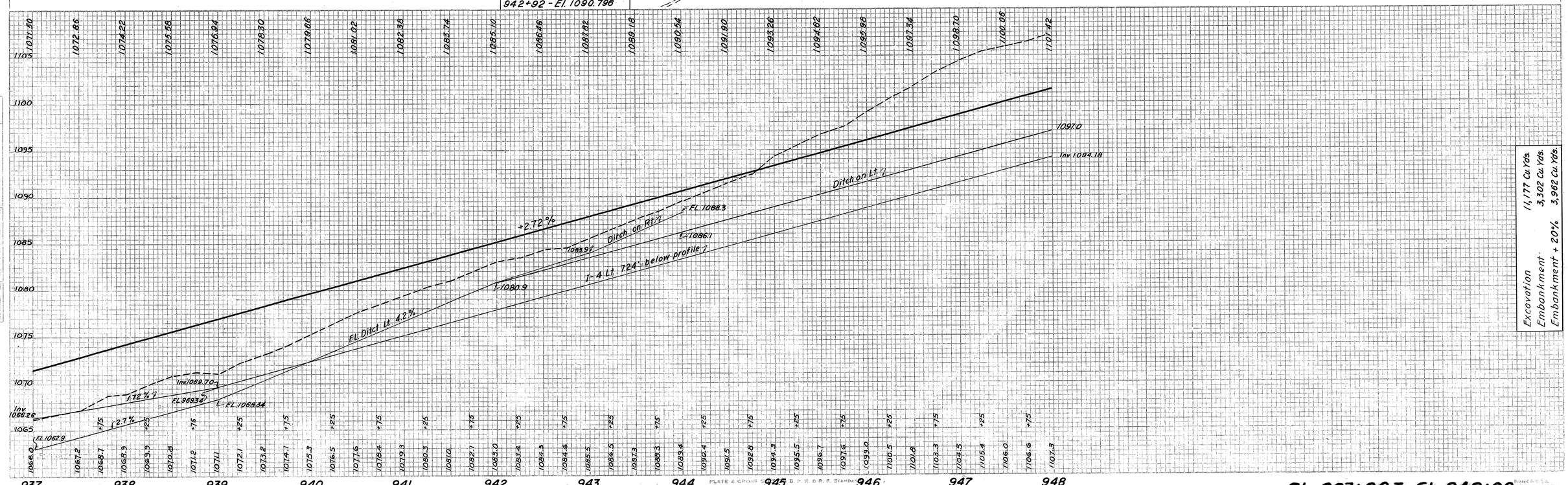
25
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain Deep 6" L.F.	I-4 Underdrain Outlets 6" L.F.	I-5 for I-4 60° Bend 6" Each	L-10 Sodding Width L.F.	L-10 Sodding S.Y.
1D	937+00	939+00	L	200				
2D	938+87	948+00	L	924	10	1		
3D	937+00	948+00	L				9	1100
Totals				1124	10	1		1100



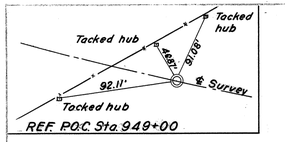
Excavation 11,177 Cu. Yds.
Embankment 3,302 Cu. Yds.
Embankment + 20% 3,962 Cu. Yds.

Sta. 937+00 To Sta. 948+00

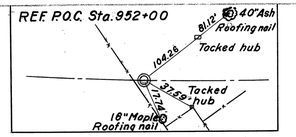
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

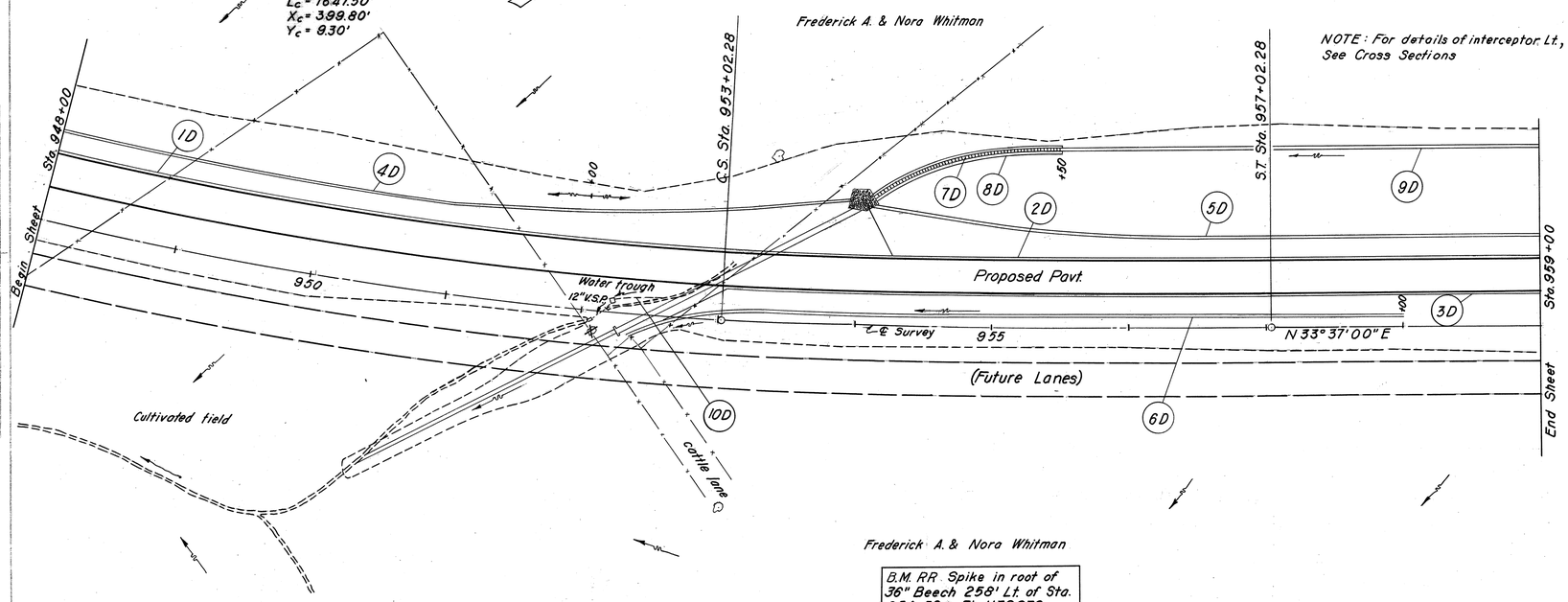
26
291

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



CURVE DATA
P.I. Sta. 945+25.30
Δ = 40° 57' 00" Lt.
D_c = 2° 00'
L_s = 400.00'
T_s = 1270.52'
E_s = 195.70'
θ_s = 4° 00'
Δ_c = 32° 57'
L_c = 1647.50'
X_c = 399.80'
Y_c = 9.30'





DRAINAGE

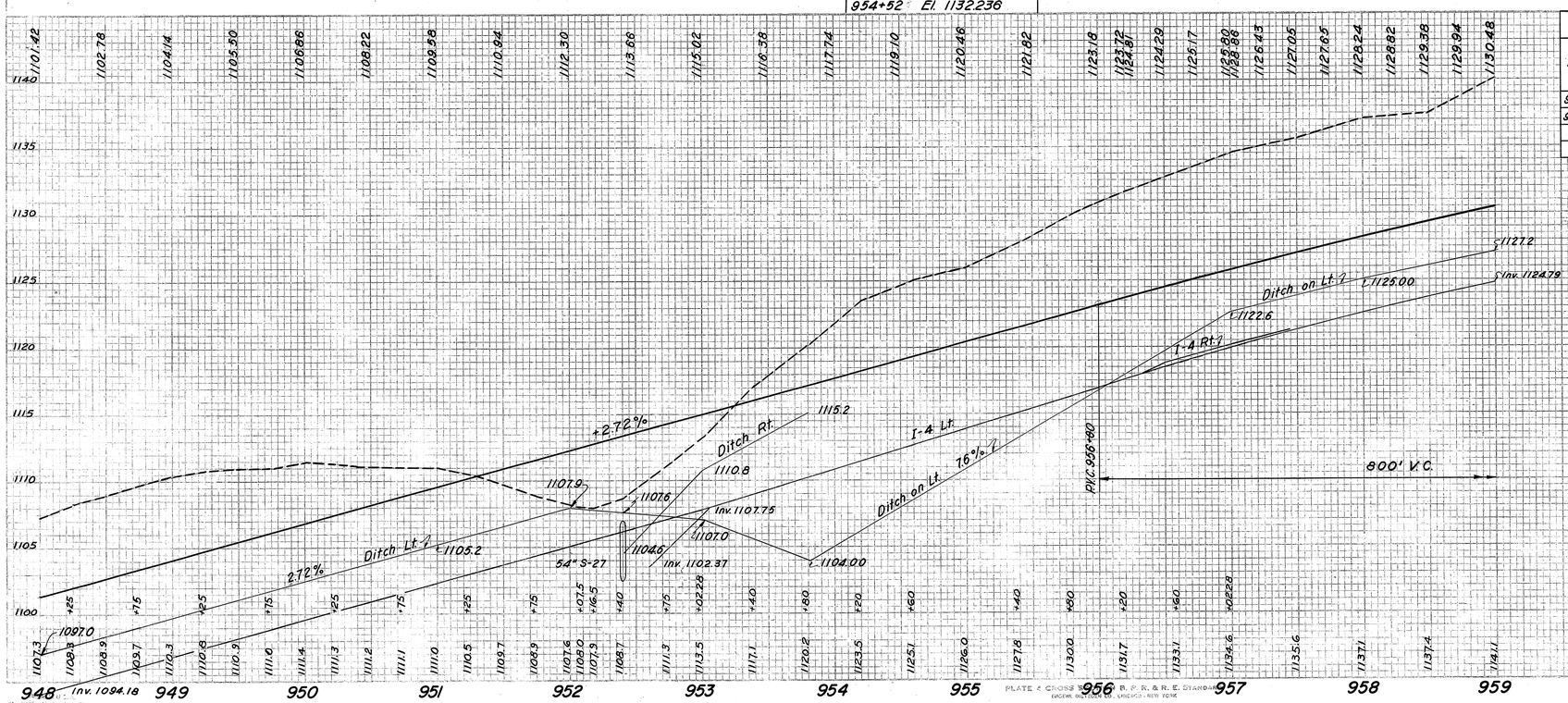
Ref. No.	Station From	Station To	Side	I-4 Underdrain Deep 6" L.F.	I-4 Pipe Outlet for Underdrain 6" L.F.	I-5 for I-4 Bend 60° 6" Ea.	I-5 for I-4 Bend 60° 6° Ea.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	I-14 Paved Gutter Type I Sta. L.F.	E-12 Pipe Removed 15" and Under Lin. Ft.
1D	948+00	954+20	L	620							
2D	954+05	959+00	L	506	10	1					
3D	952+35	959+00	L&R	668	10		1				
4D	948+00	951+00	L					9	300		
5D	954+10	959+00	L					9	490		
6D	952+35	958+00	L&R					6	377		
7D	954+10	955+50	L							145	
8D	954+10	955+50	L					3	49		
9D	955+50	959+00	L					6	234		
10D	952+07	952+80	L&R								73
Totals				1792	20	1	1		1450	145	73

STRUCTURE

Ref. No.	Station From	Station To	Side	E-2 Excavation for Struc. C.Y.	S-1 Conc. for Structure Class E C.Y.	S-27 Pipe for Rdwy. Culv. 54" L.F.	E-3 Channel Excavation C.Y.	I-10 Dumped Rock C.Y.	See Sheet No.
1S	952+50	—	L&R	554	1.7	198	496	25	228
Totals				554	1.7	198	496	25	

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
953+02.29	P.C.C. (R/W)	2	Set as directed	280
955+68.98	P.T. (R/W)	2	" " "	280
Total		4		



Excavation	38,012 Cu. Yds.
Embankment	355 Cu. Yds.
Embankment + 20%	426 Cu. Yds.

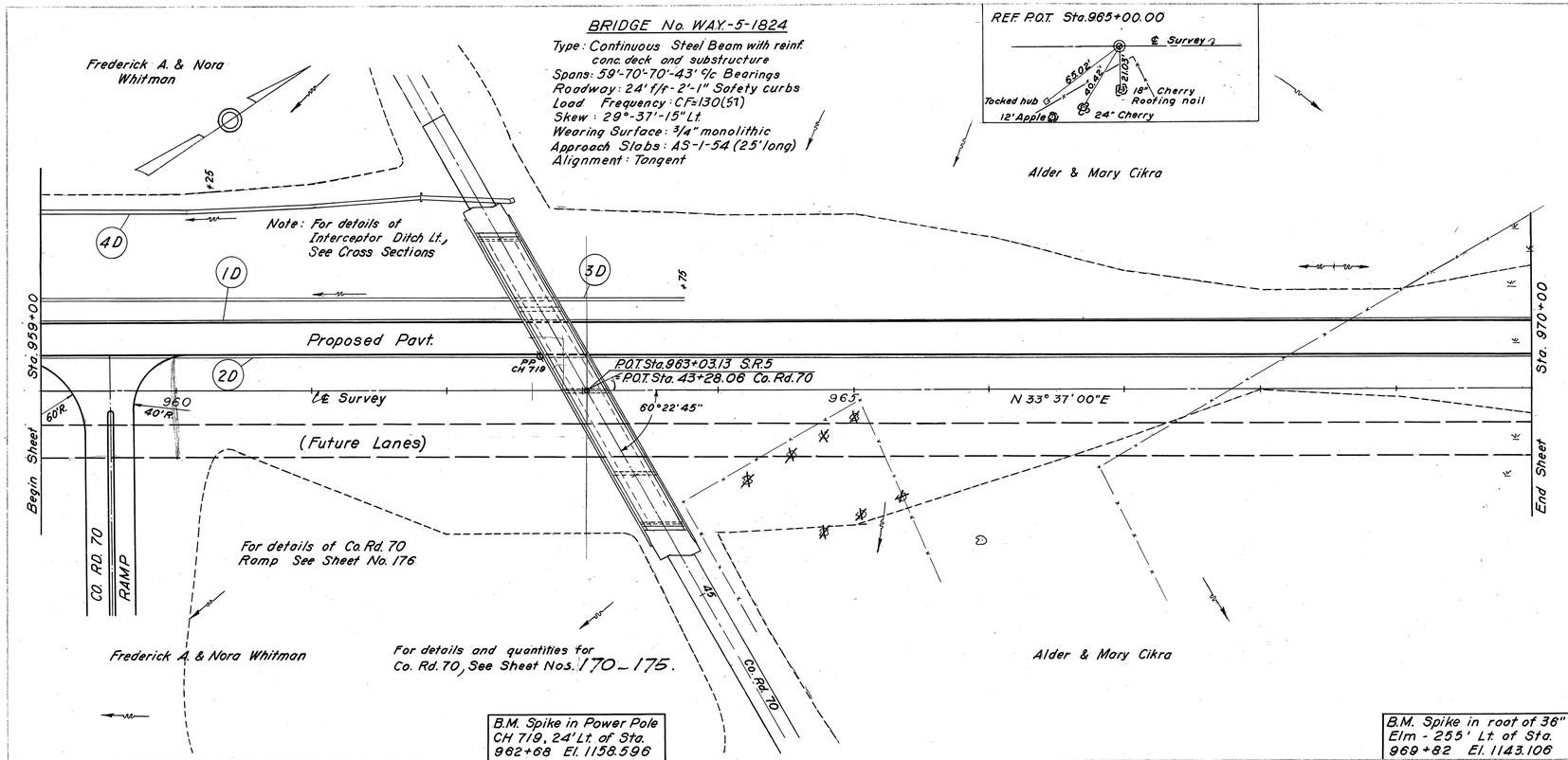
PLATE 4 CROSS SECTIONS B. P. R. & R. E. STANDARDS
EUCLID BLUEPRINT CO. CHICAGO - NEW YORK

Sta. 948+00 To Sta. 959+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

27
291

WAYNE & SUMMIT COUNTIES
WAY -5-15.78
SUM -5-0.00

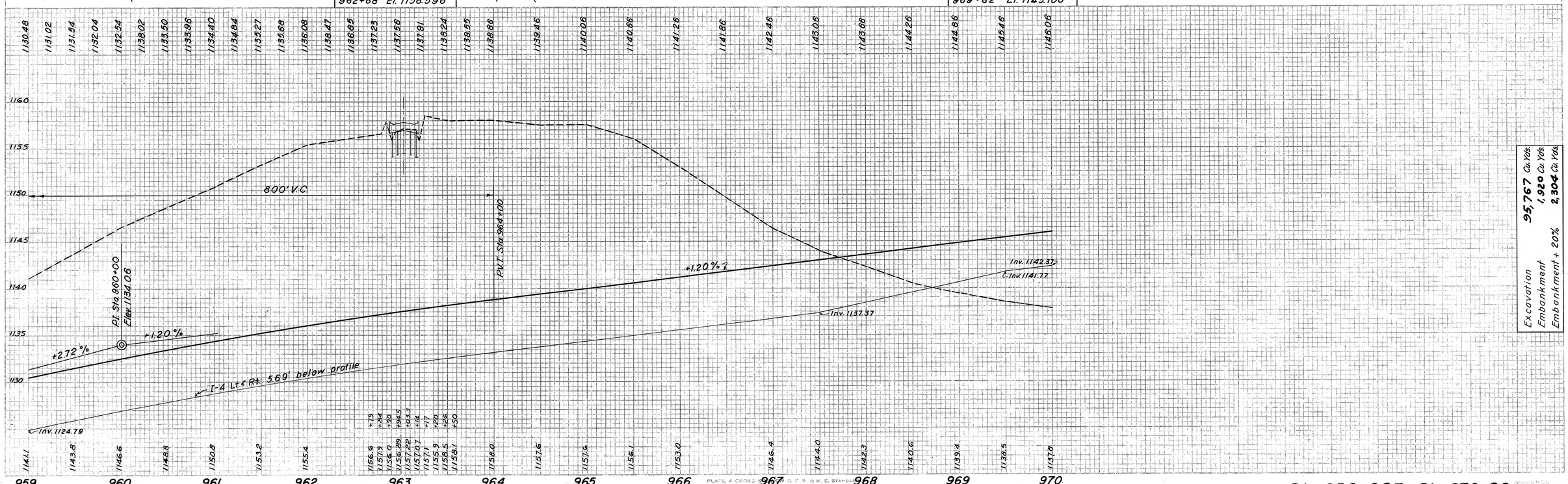


DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain Deep 6" L.F.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.
1D	959+00	970+00	L	1100		
2D	959+00	970+00	L	1100		
3D	959+00	963+75	L		9	375
4D	959+00	960+25	L		6	83
Totals				2200		458

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
961+00	P.O.T.	2	Set as directed	281
965+00	P.O.T.	2	" " "	281
Total		4		



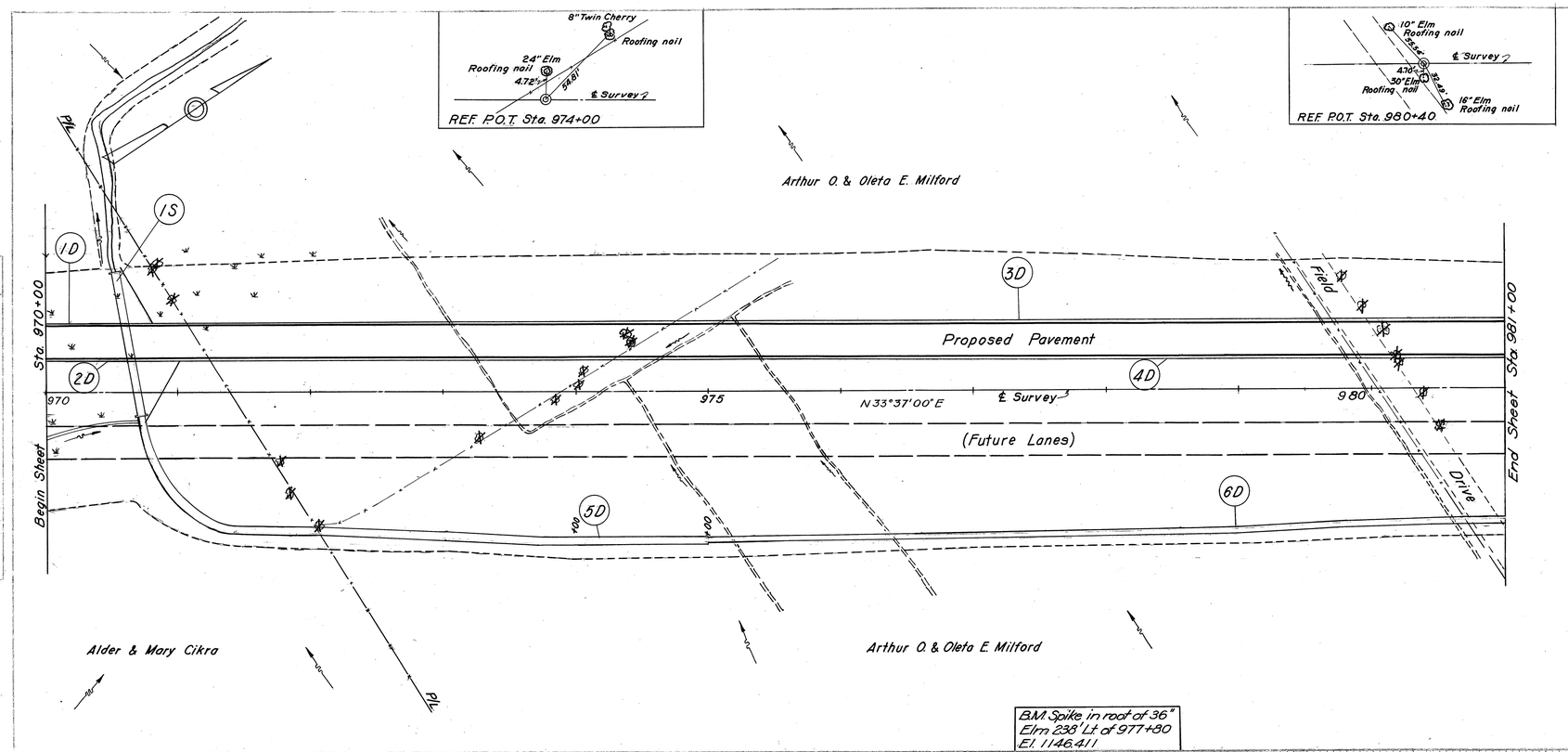
Excavation 95,767 Cu. Yds.
Embankment 1,920 Cu. Yds.
Embankment + 20% 2,304 Cu. Yds.

Sta. 959+00 To Sta. 970+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

28
291

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain Shallow 6" L.F.	I-4 Pipe Outlet for Underdrain 6" L.F.	I-5 for I-4 60° Bend 6" Each	L-10 Sodding Width L.F.	L-10 Sodding S.Y.
1D	970+00	970+75	L	75				
2D	970+00	970+95	L	95				
3D	970+55	981+00	L	1060	10	1		
4D	970+75	981+00	L	1040	10	1		
5D	970+70	975+00	R				12	636
6D	975+00	981+00	R				9	600
Totals				2270	20	2		1236

STRUCTURE

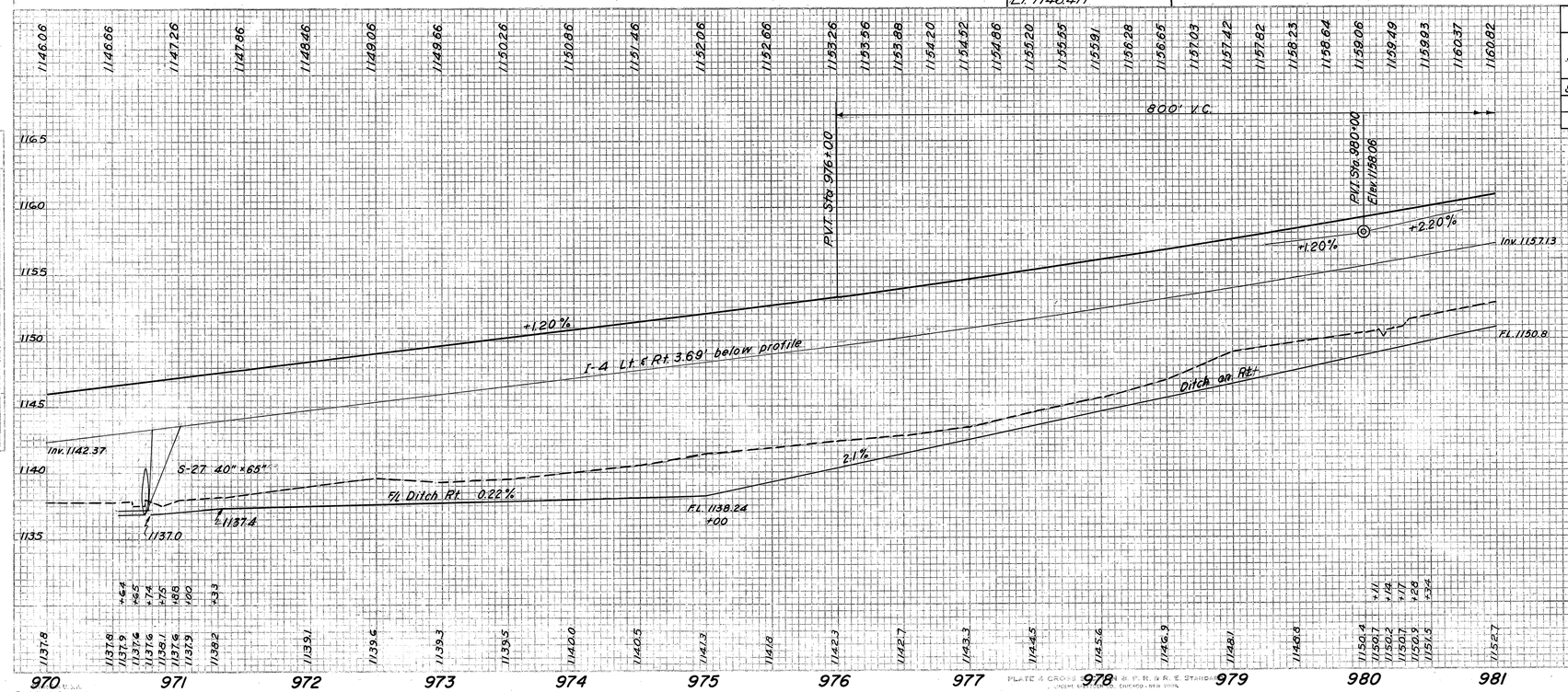
Ref. No.	Station From	Station To	Side	E-2 Structure Excavation C.Y.	S-1 Conc. for Structure Class E C.Y.	S-27 Corr. Metal Arch 65"x40" * L.F.	E-3 Channel Excavation C.Y.	See Sheet No.
1S	970+70	-	R&L	69	4.3	108	258	229
Totals				69	4.3	108	258	

* or 60"x38" Elliptical Concrete Pipe Sec. M-206.6 (b).

B.M. Spike in root of 36"
Elm 238' Lt. of 977+80
El. 1146.411

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
980+00	P.O.T.	2	Set as directed	282
Total		2		



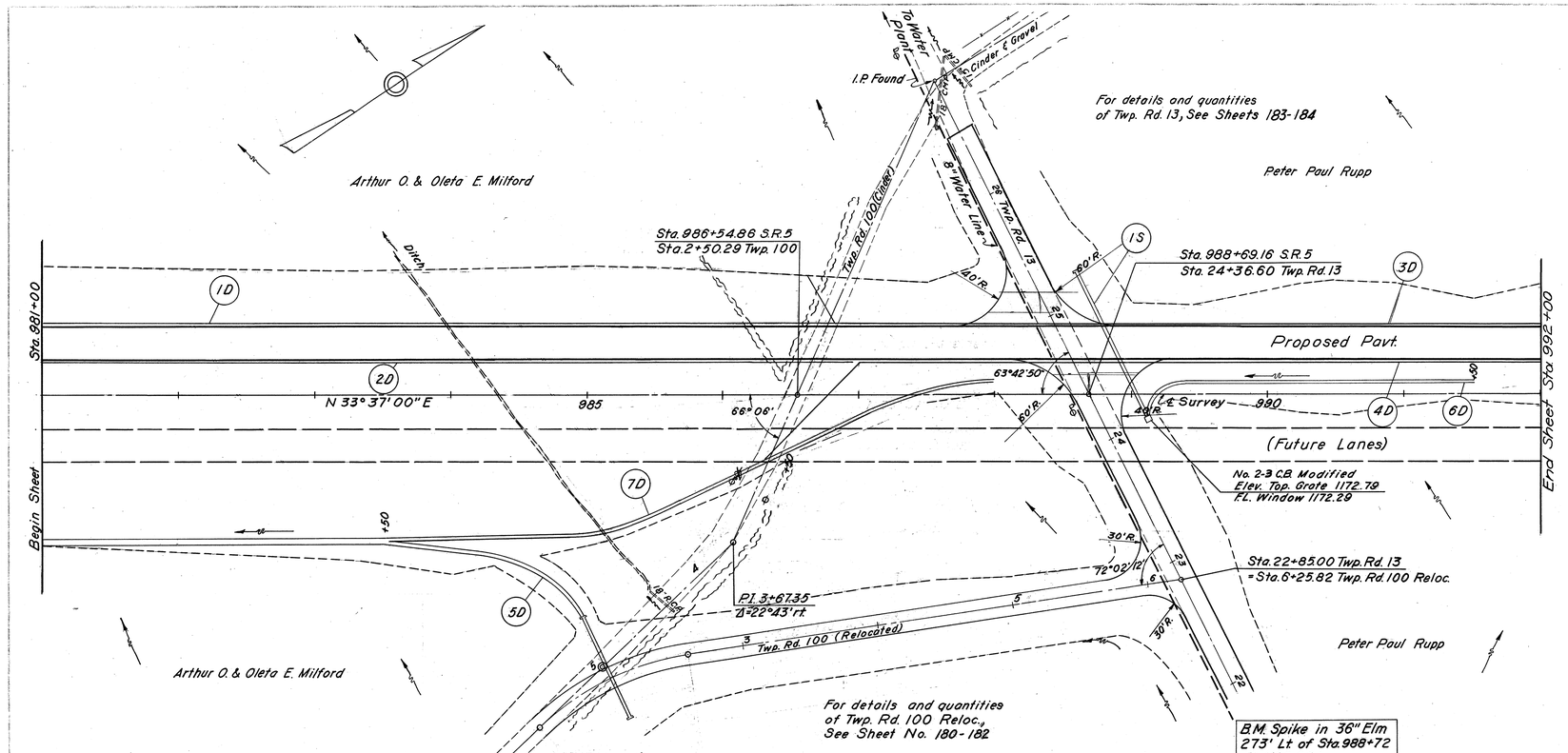
Excavation 1,304 Cu. Yds.
Embankment 39,880 Cu. Yds.
Embankment + 20% 47,856 Cu. Yds.

Sta. 970+00 To Sta. 981+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

29
291

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

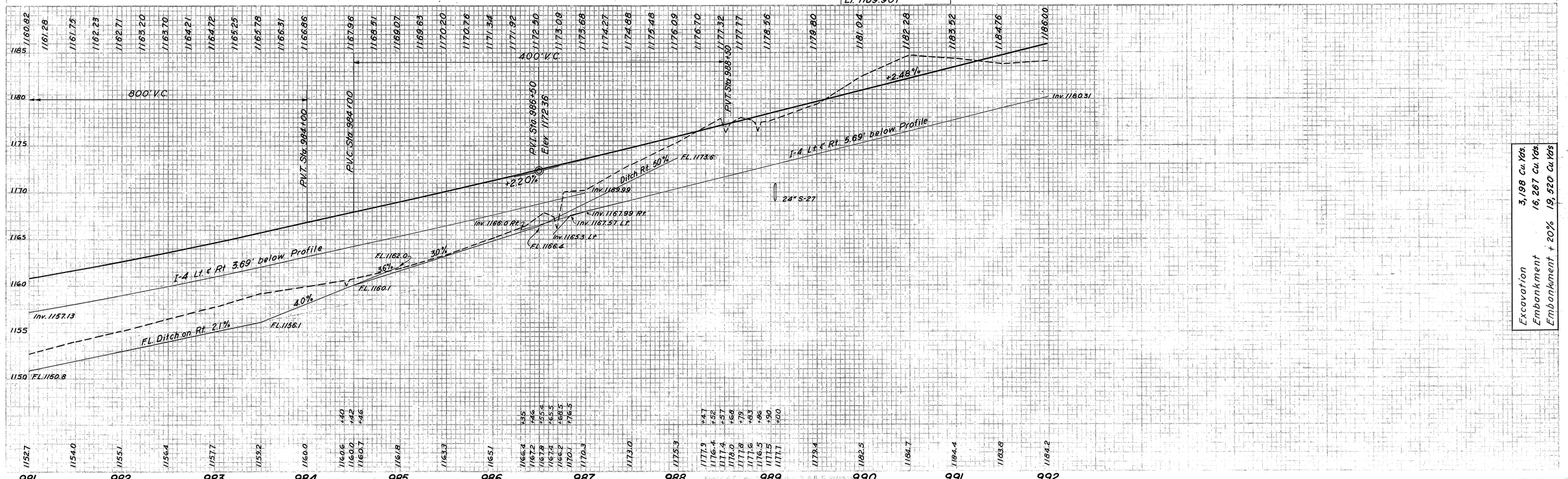


DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain Shallow 6" L.F.	I-4 Underdrain Deep 6" L.F.	I-4 Pipe Outlet for Underdrain 6" L.F.	I-5 for I-4 Bend 45° 6" Ea.	I-5 for I-4 Bend 60° 6" Ea.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	
1D	981+00	986+80	L	580							
2D	981+00	986+95	L	595							
3D	986+63	992+00	L		550	10		1			
4D	986+30	992+00	L&R		600	10	1				
5D	981+00	985+02	R						9	415	
6D	989+05	991+50	L						9	248	
7D	983+50	986+50	R						6	207	
Totals				1175	1150	20	1	1		870	

STRUCTURES (20' span & under)

Ref. No.	Station	E-2 Excavation for Struc. C.Y.	E-3 Channel Excavation C.Y.	S-1 Conc. for Structures Class E C.Y.	S-27 Pipe for Roadway Culverts 24" L.F.	L-10 Sodding S.Y.	I-8 Catch Basin No. 2-3 mod. Each	See Sheet No.
1-S	989+05	130	49	0.5	118	7	1	232
Totals		130	49	0.5	118	7	1	



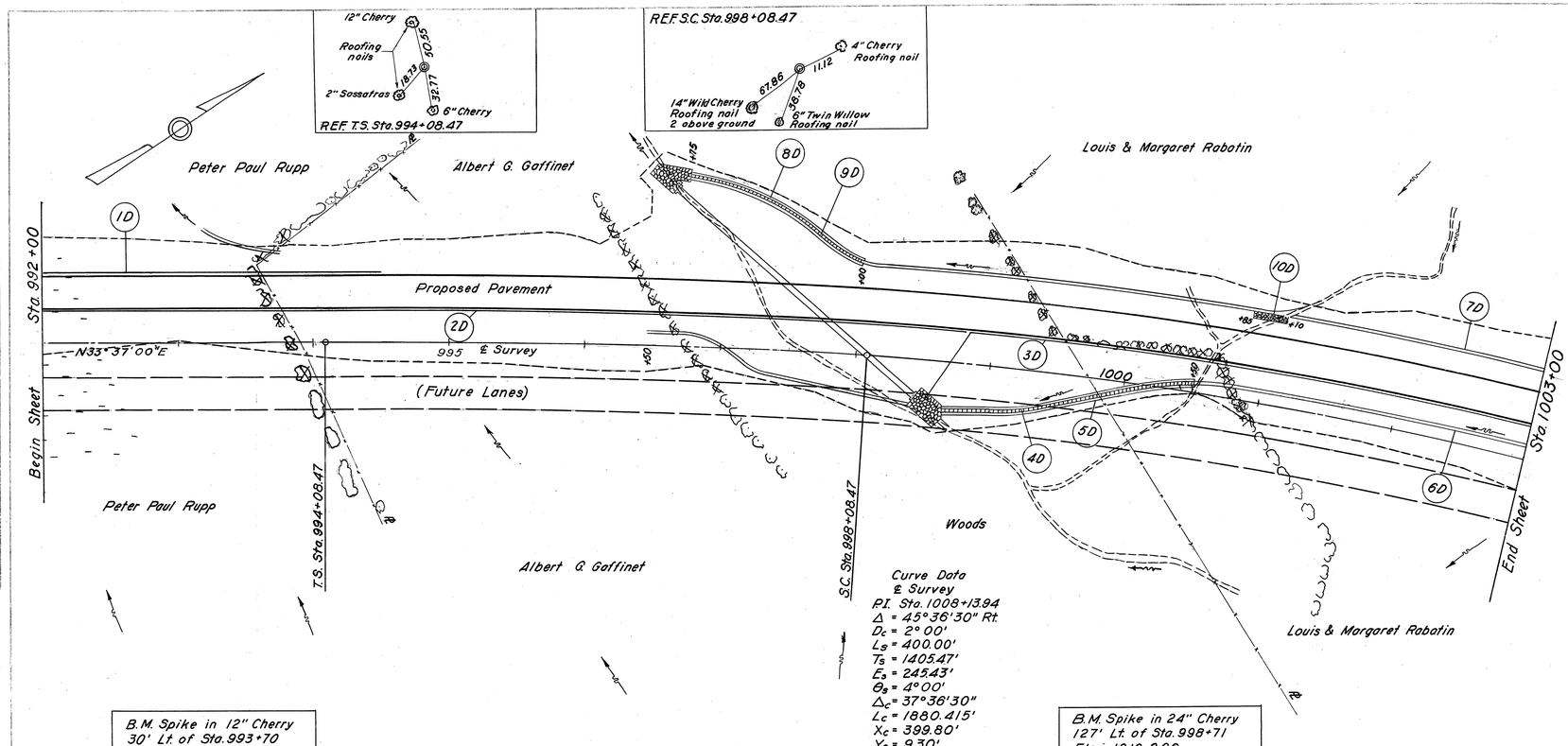
Excavation	3,198 Cu. Yds.
Embankment	16,267 Cu. Yds.
Embankment + 20%	19,520 Cu. Yds.

Sta. 981+00 To Sta. 992+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

30
291

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



DRAINAGE

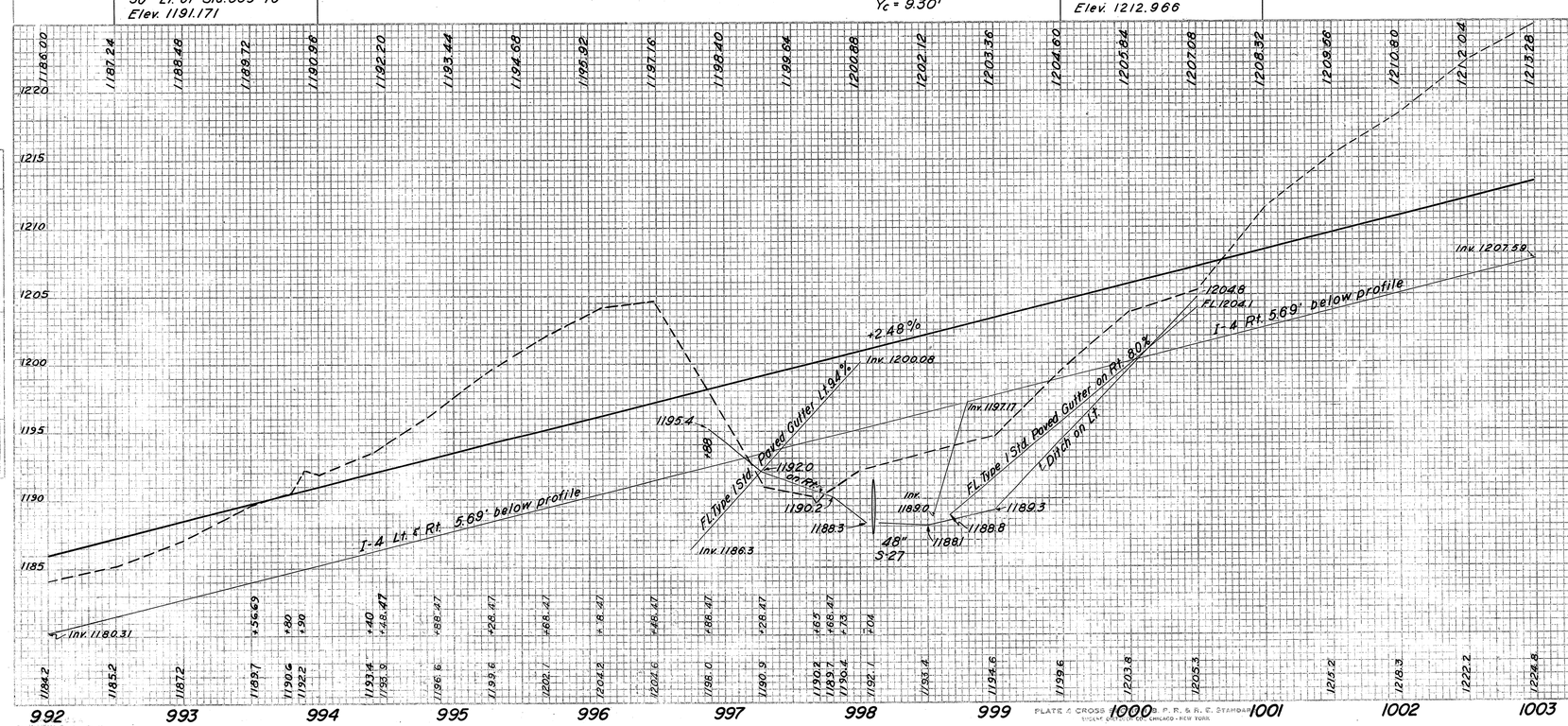
Ref. No.	Station From	Station To	Side	I-4 Underdrain (Deep) 6" L.F.	I-4 Pipe Outlet for Underdrain 6" L.F.	I-5 for I-4 60° Bend 6" Each	I-14 Paved Gutter Std. Type I L.F.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	I-10 Dumped Rock Depth	I-10 Dumped Rock C.Y.
1D	992+00	994+50	L	250							
2D	992+00	998+75	L	675							
3D	998+55	1003+00	L	470	10	1					
4D	998+60	1000+50	L & R				190				
5D	998+60	1000+50	L & R					3	63		
6D	1000+50	1003+00	L					9	250		
7D	998+00	1003+00	L					9	500		
8D	996+75	998+00	L				145				
9D	996+75	998+00	L					3	48		
10D	1000+85	1001+00	L							30"	12
Totals				1395	10	1	335		861		12

STRUCTURES (20' Span & under)

Ref. No.	Station	E-2 Excavation for Struct. C.Y.	S-1 Conc. for Structure Class E C.Y.	S-27 Pipe for Roadway Culverts 48" L.F.	E-3 Channel Excavation C.Y.	I-10 Dumped Rock Cu. Yds.		See Sheet No.
1-S	998+08	317	1.7	232	266	68		232
Totals		317	1.7	232	266	68		

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
995+41.79	P.C. (R/W)	2	Set as directed	283
998+08.48	P.C.C. (R/W)	2	Set as directed	283
Total		4		



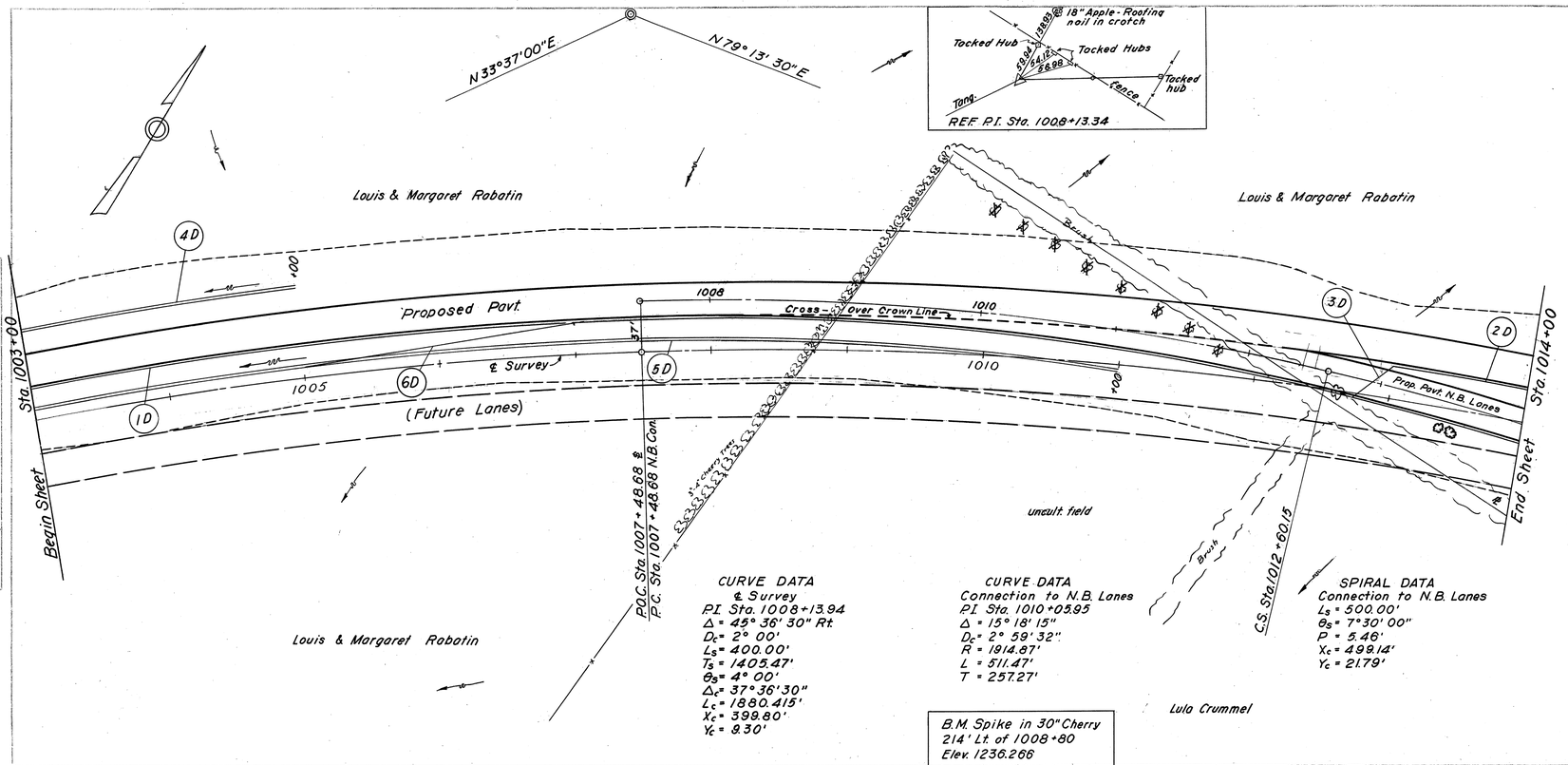
Excavation	11,724 Cu. Yds.
Embankment	3,461 Cu. Yds.
Embankment + 20%	4,153 Cu. Yds.

PLATE & CROSS SECTIONS B. P. R. & R. C. STANDARD
EUGENE DIETZGEN CO. CHICAGO - NEW YORK

Sta. 992+00 To Sta. 1003+00

FED. RD. DIVISION	STATE	PROJECT		31
2	OHIO			291

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



DRAINAGE

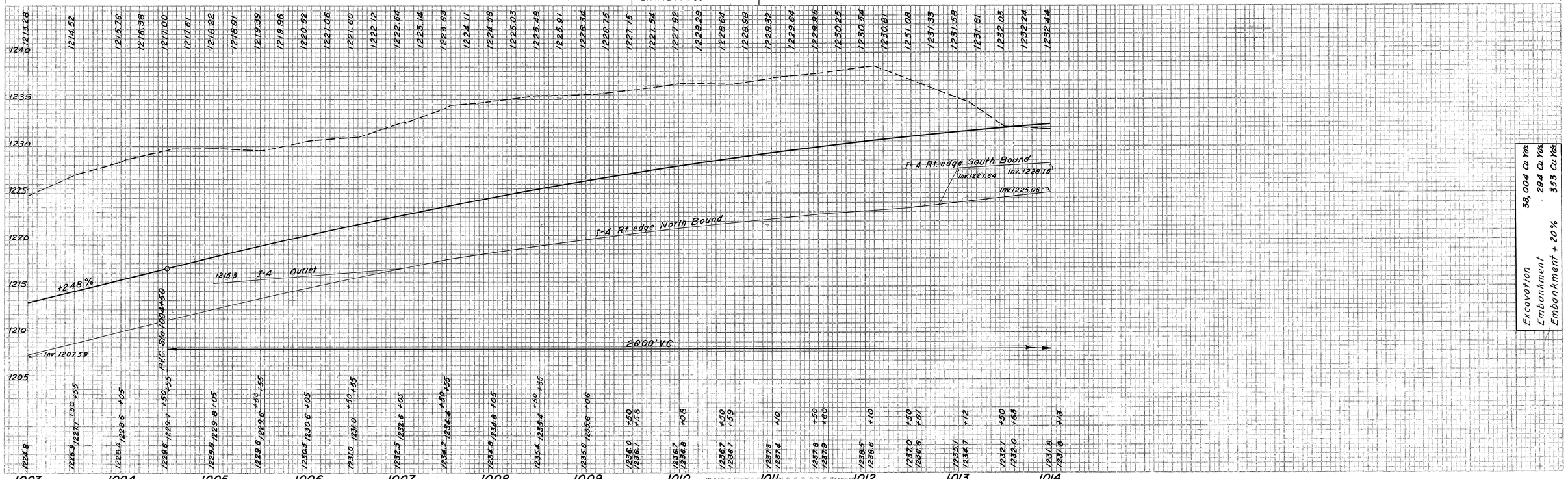
Ref. No.	Station From	Station To	Side	I-4 Underdrain (Deep) 6" L.F.	I-4 Underdrain (Shallow) 6" L.F.	I-5 for I-4 Bend 45° 6" Each	I-5 for I-4 Bend 45° 6" Each	I-5 for I-4 Bend 11½° 6" Each	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	I-4 Pipe Outlet to Underdrain 6" L.F.
1 D	1003+00	1007+00	L & R	400							
2 D	1013+00	1014+00	L		100						
3 D	1012+74	1013+00	L	40		1	1				
4 D	1003+00	1005+00	L						9	200	
5 D	1003+00	1011+00	L & R						9	800	
6 D	1005+00	1014+00		900							10
Totals				1340	100	1	1	1		1000	10

CURVE DATA
℄ Survey
P.I. Sta. 1008+13.94
Δ = 45° 36' 30" Rt.
D_c = 2° 00'
L_s = 400.00'
T_s = 1405.47'
θ_s = 4° 00'
Δ_c = 37° 36' 30"
L_c = 1880.415'
X_c = 399.80'
Y_c = 8.30'

CURVE DATA
Connection to N.B. Lanes
P.I. Sta. 1010+03.95
Δ = 15° 18' 15"
D_c = 2° 59' 32"
R = 1914.87'
L = 511.47'
T = 257.27'

SPIRAL DATA
Connection to N.B. Lanes
L_s = 500.00'
θ_s = 7° 30' 00"
P = 5.46'
X_c = 499.14'
Y_c = 21.79'

B.M. Spike in 30" Cherry
214' Lt. of 1008+80
Elev. 1236.266



Excavation	38,004 Cu. Yds.
Embankment	294 Cu. Yds.
Embankment + 20%	353 Cu. Yds.

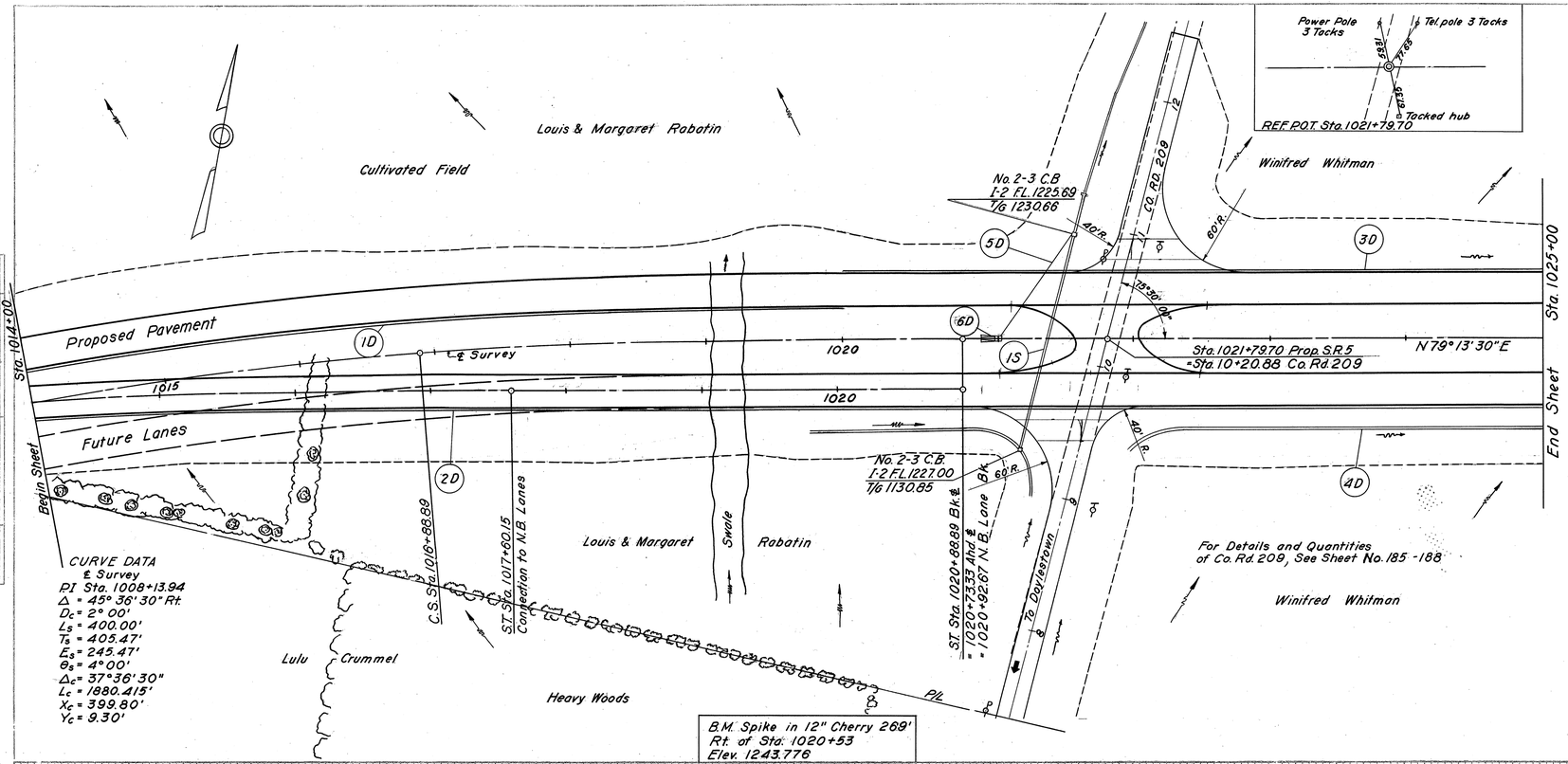
PLATE 4 CROSS SECTION PAPER U. S. P. R. & P. E. STANDARD
EUGENE DIETZGEN CO. CHICAGO - NEW YORK

Sta. 1003+00 To Sta. 1014+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

32
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00



DRAINAGE

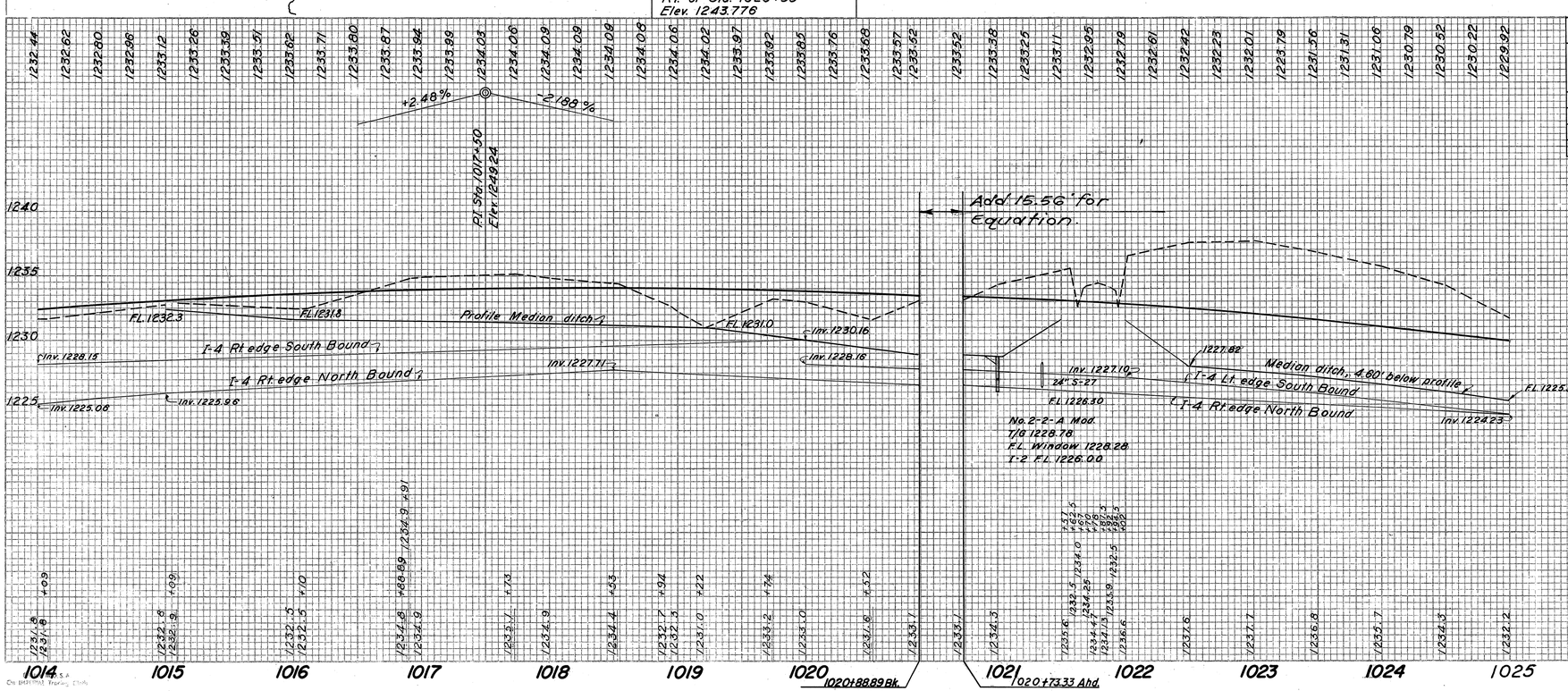
Ref. No.	Station From	Station To	Side	I-4 Underdrain (Shallow) 6" L.F.	I-4 Underdrain (Deep) 6" L.F.	I-2 Storm Sewer Under Pav't 15" L.F.	I-8 Catch Basin 2-2-A Each	L-10 Sodding Width Lin. Ft.	L-10 Sodding S.Y.	I-14 Paved Gutter Type I C Lin. Ft.
1D	1014+00	1020+00	L	600						
2D	1014+00	1025+00	R		1116					
3D	1020+00	1025+00	L		516					
4D	1022+00	1025+00	R					9	300	
5D	1021+00	–	L			82	1			
6D	1020+88.3	1020+98.3								10
Totals				600	1632	82	1		300	10

STRUCTURES (20' span & under)

Ref. No.	Station		E-2 Structure Excavation C.Y.	S-1 Conc. for Structure Class E C.Y.	S-27 Pipe for Roadway Culverts 24" L.F.	I-8 No. 2-3 Catch Basin Modified Each	E-3 Channel Excavation C.Y.	See Sheet No.
1-S	1021+36		122	0.4	188	2	156	234
Totals			122	0.4	188	2	156	

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
1016+88.90	P.C.C. (R/W)	2	Set as directed	284
1019+55.59	P.T. (R/W)	2	" " "	284
Total		4		



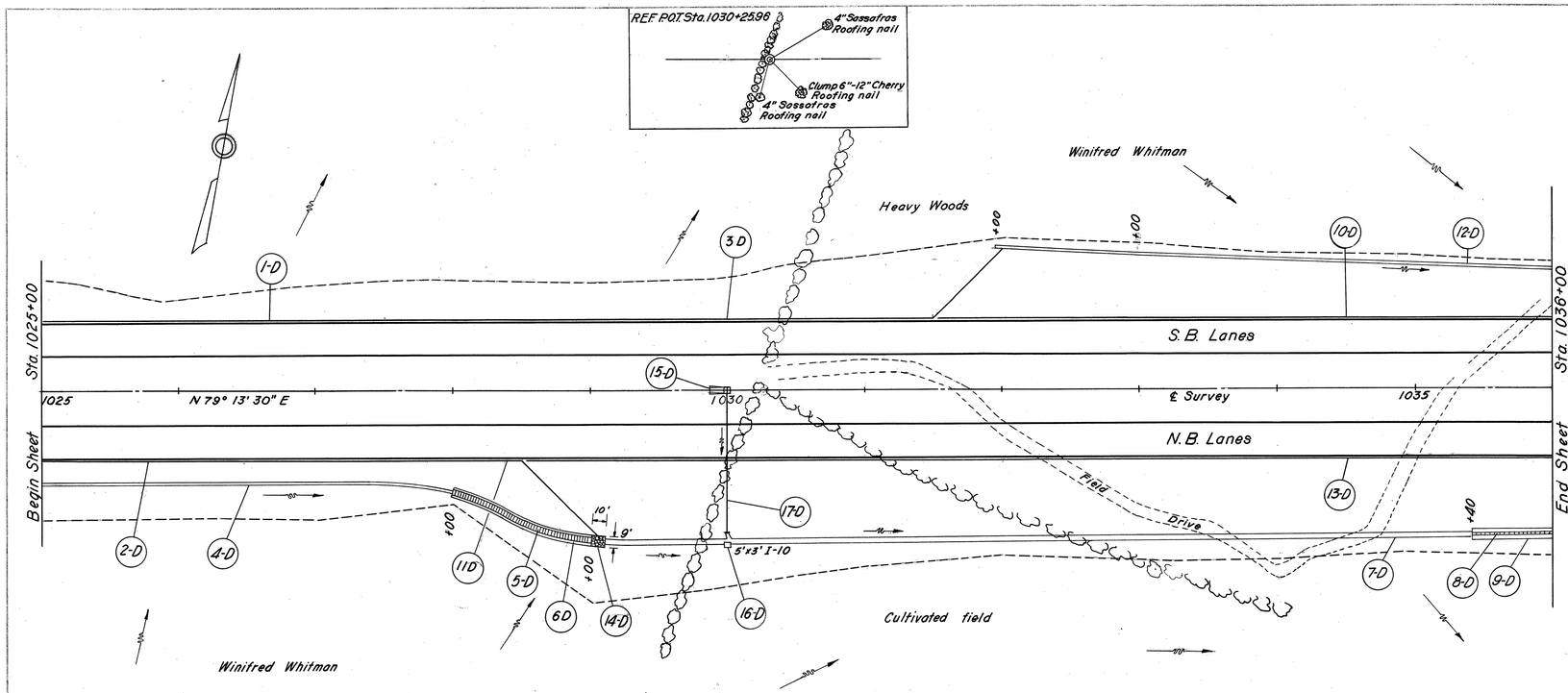
Excavation	20,217	Cu. Yds.
Embankment	3,527	Cu. Yds.
Embankment +20%	4,232	Cu. Yds.

Sta. 1014+00 to Sta. 1025+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

33
291

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



DRAINAGE

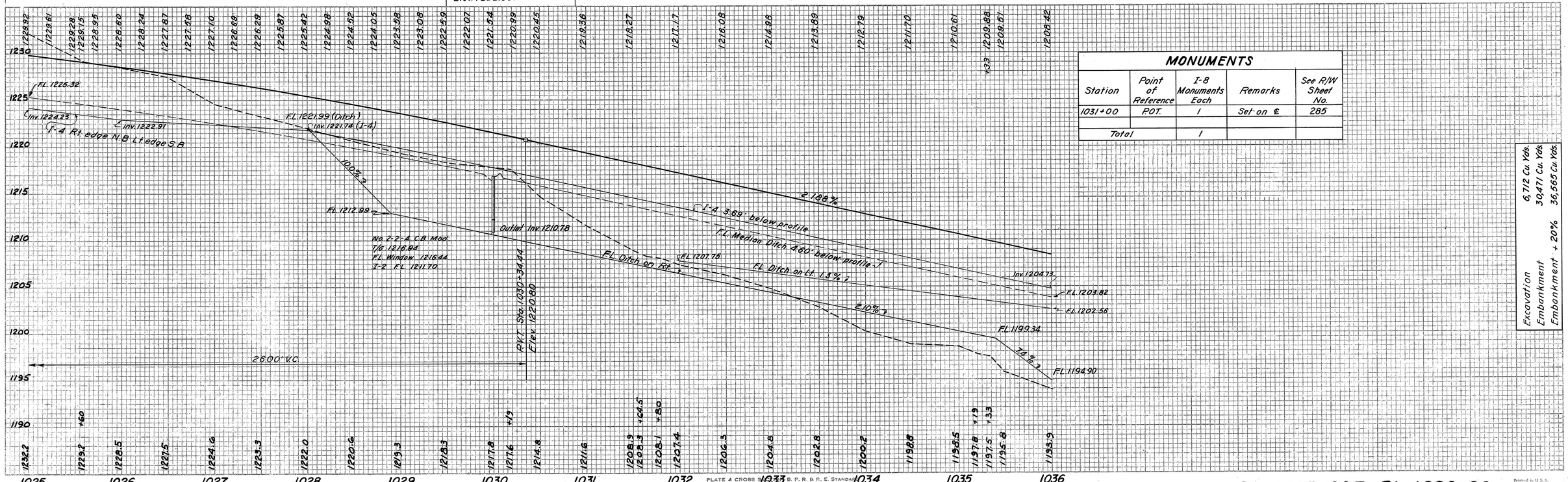
Ref. No.	Station From	Station To	Side	I-4 Underdrain (Deep) 6" L.F	I-4 Underdrain (Shallow) 6" L.F	I-5 for I-4 Bends 45° 6" Each	I-4 Pipe Outlets for Underdrains 6" L.F		L-10 Sodding Width L.F	L-10 Sodding S.Y.	I-14 Paved Gutter Type I-A L.F
1 D	1025+00	1028+00	L	300							
2 D	1025+00	1028+00	R	300							
3 D	1028+50	1032+00	R		415	1	10				
4 D	1025+00	1028+00	R						9	300	
5 D	1028+00	1029+00	R								108
6 D	1028+00	1029+00	R						3	36	
7 D	1029+10	1035+40	R						9	630	
8 D	1035+40	1036+00	R								60
9 D	1035+40	1036+00	R						3	20	
10 D	1031+50	1036+00	L		450						
11 D	1028+00	1029+00	R		125	1	10				
12 D	1033+00	1036+00	L						6	200	
13 D	1028+50	1036+00	L		750						
Totals				600	1740	2	20			1186	168

DRAINAGE (cont.)

Ref. No.	Station From	Station To	Side	I-10 Dumped Rock Depth in.	I-10 Dumped Rock Cu.Yd.	I-14 Paved Gutter Type 1-C L.F	I-10 Type A Rip Rap 6" Reinf. Conc. S.Y.	I-2 Class A Storm Sewer Under Pvmt. 15" L.F	I-8 No 2-2 A Catch Basin Modified Each	S-1 Conc. for Structures Class E C.Y.	See Sheet No.
1 D	1029+00	1029+10	R	30	8.3						223
1 D	1029+88.3	1029+98.3				10					
1 D	1030+00	–	R				1.7				
17 D	1030+00		R					102	1	0.3	
Totals					8.3	10	1.7	102	1	0.3	

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
1031+00	POT.	1	Set on ℄	285
Total		1		



Excavation	6,712 Cu. Yds.
Embankment	30,471 Cu. Yds.
Embankment + 20%	36,565 Cu. Yds.

PLATE 4 CROSS SECTION B. P. R. & P. E. STANDARD
EUGENE DIETZGEN CO. CHICAGO - NEW YORK

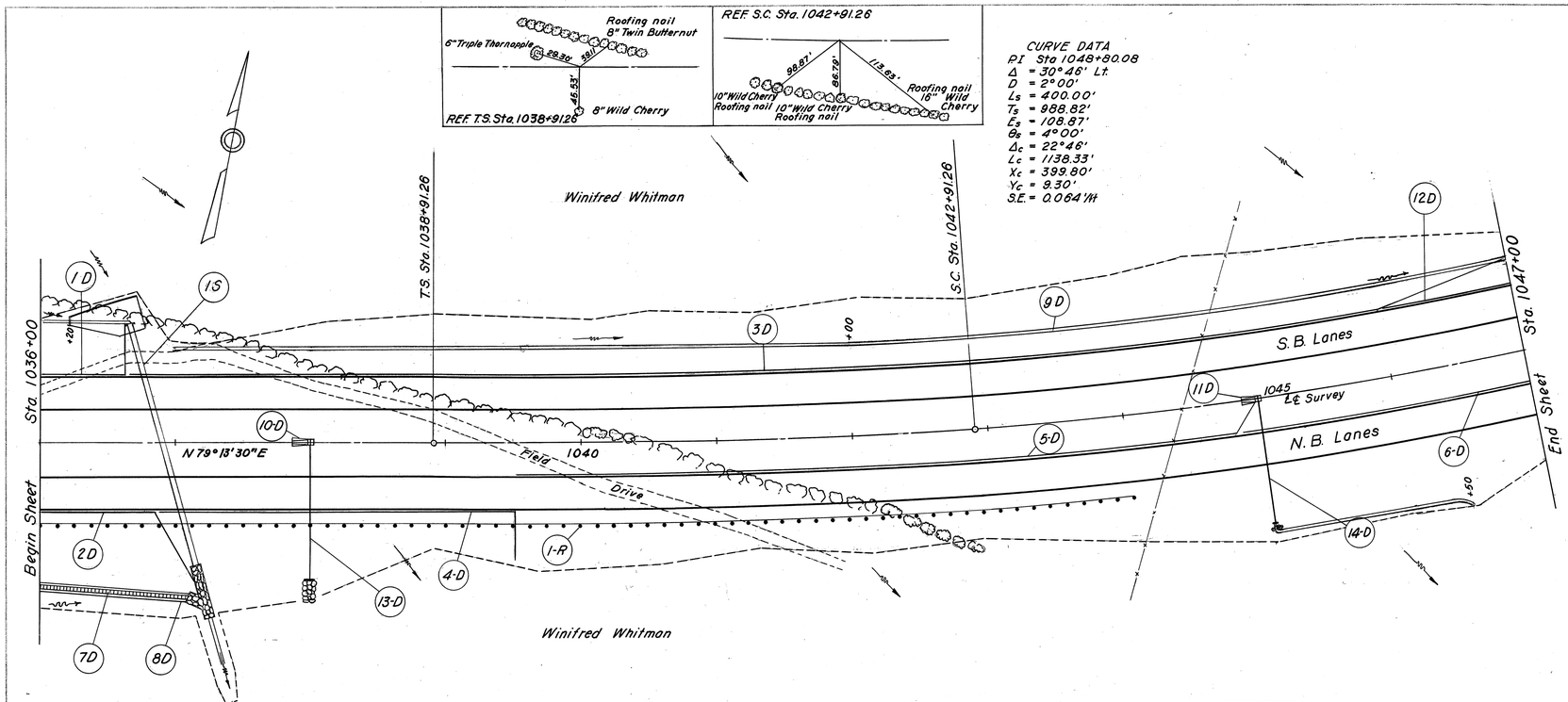
Printed in U.S.A.
On MATERIAL Bearing Cloth

Sta. 1025+00 To Sta. 1036+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

34
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



DRAINAGE

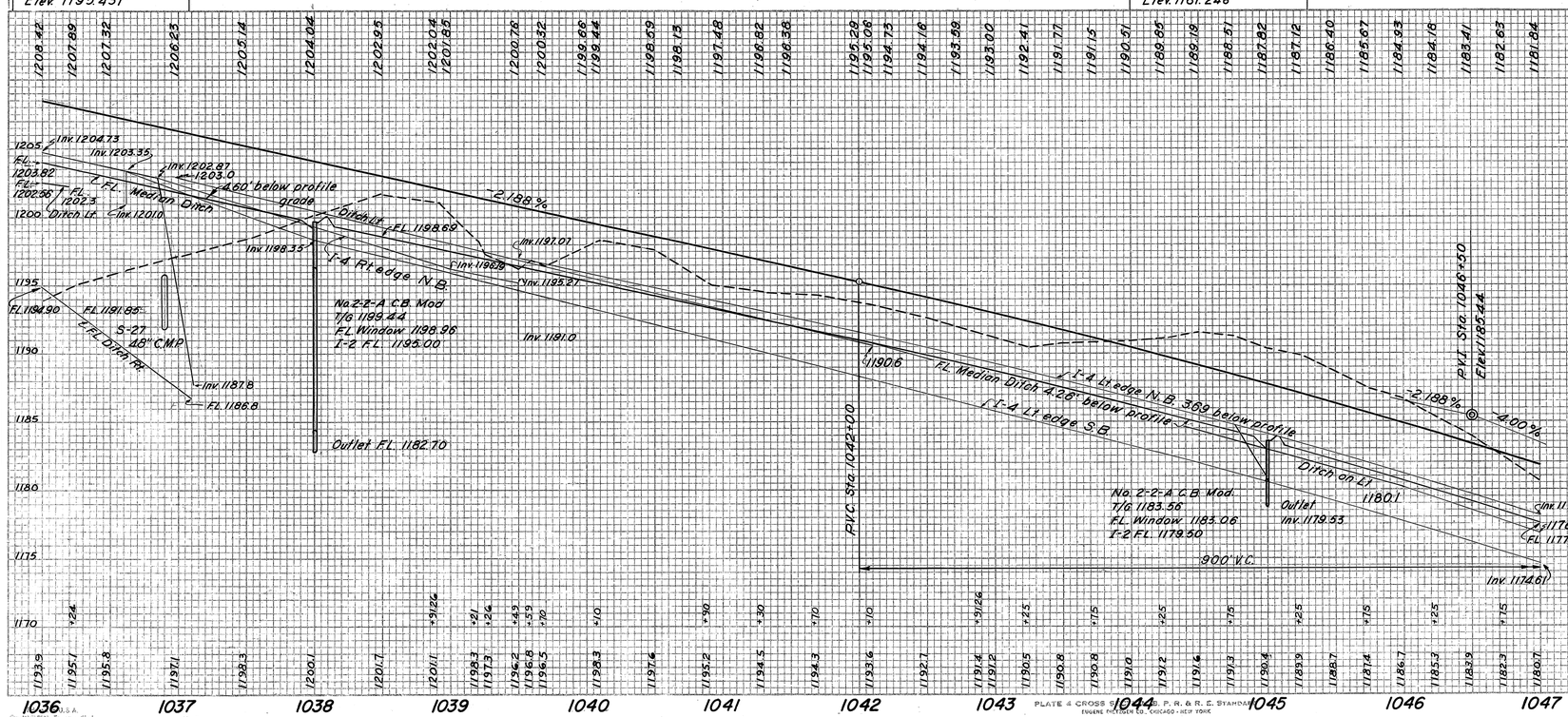
Ref. No.	Station From	Station To	Side	I-4 Underdrain (Shallow) 6" L.F.	I-4 Underdrain (Deep) 6" L.F.	I-4 Pipe Outlet for U/drains 6" L.F.	I-4 Pipe Outlet for U/drains 8" L.F.	I-5 for I-4 Bend 90° 6" Ea.	I-5 for I-4 Bend 60° 6" Ea.	I-5 for I-4 Bend 11½° 6" Ea.	I-14 Paved Gutter Type 1A L.F.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	I-14 Paved Gutter Type 1-C L.F.
1 D	1036+00	1036+60	L	88		10		1						
2 D	1036+00	1037+12	R	136		10			1					
3 D	1036+65	1047+00	L		1035	10				1				
4 D	1036+90	1039+50	R		286	10		1						
5 D	1039+50	1045+00	R	552			10		1					
6 D	1044+90	1047+00	R	210										
7 D	1036+00	1037+10	R								110			
8 D	1036+00	1037+10	R									3	37	
9 D	1042+00	1047+00	L									9	500	
10 D	1037+88.3	1037+98.3	℄											10
11 D	1044+88.3	1044+98.3	℄											10
12 D	1046+04	1047+00	L		96									
Totals				986	1417	40	10	2	2	1	110		537	20

DRAINAGE (cont.)

Ref. No.	Station From	Station To	Side	I-8 Catch Basin 2-2-A Modified Each	I-2 Class A Storm Sewer Under Pavt. 15" L.F.	I-2 Storm Sewer Sec. M-64(c) 15" L.F.	I-10 Dumped Rock Depth In.	I-10 Dumped Rock C.Y.	S-1 Conc. for Struct. Class E C.Y.	I-5 for I-2 Sec. M-64(c) 30° Bend 15" Each	See Sheet No.
13 D	1038+00		R	1	68	30	30	12	0.4	2	
14 D	1045+00		R	1	90		30	9	0.3		
Totals				2	158	30		21	0.7	2	

B.M. Spike in 12" Walnut
3' Rt. of Sta. 1036+05
Elev. 1195.431

B.M. Spike in 12" Cherry
181' Rt. Sta. 1044+48
Elev. 1181.246



STRUCTURES (20' Span & under)

Ref. No.	Station	E-2 Structure Excavation C.Y.	S-1 Conc. for Structures Class E C.Y.	S-27 Pipe for Rdwy Culv. 48" C.M.P. L.F.	E-3 Channel Excavation C.Y.	I-10 Dumped Rock C.Y.	I-10 Type A Rip-Rap 6" Reinf. Conc. S.Y.		See Sheet No.
1-S	1036+90	176	8.0	186	153	37	101		234
Totals		176	8.0	186	153	37	101		

ROADWAY

Ref. No	Station From	Station To	Side	I-15 Guard Rail Steel Beam Type Deep L.F.
1 R	1036+00	1044+00	R	800
Total				800

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
1040+24.58	P.C. (R/W)	1	Set on ℄	285
1042+91.27	P.C.C. (R/W)	1	Set on ℄	285
Total		2		

Excavation	15,720 Cu. Yds.
Embankment	17,865 Cu. Yds.
Embankment + 20%	21,438 Cu. Yds.

PLATE 4 CROSS SECTION P. P. R. & R. E. STANDARD
EUGENE MUNSELL CO., CHICAGO - NEW YORK

Printed in U.S.A.
On MUNSELL Tracing Cloth

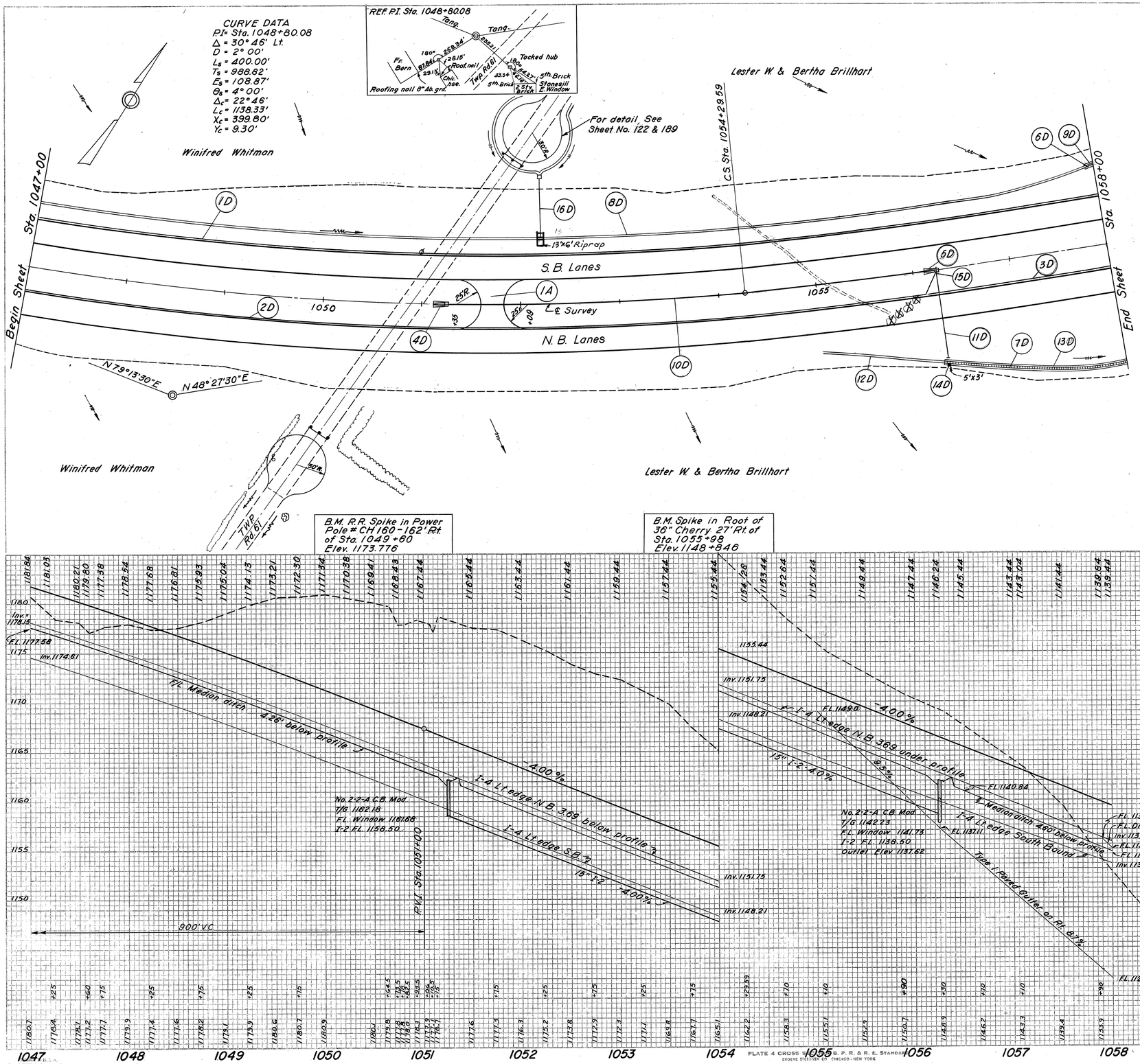
Printed in U.S.A.
On MUNSELL Tracing Cloth

Sta. 1036+00 To Sta. 1047+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

35
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain (Deep) 6" L.F.	I-4 Underdrain (Shallow) 6" L.F.	I-5 for I-4 Bends 60° 6" Each	I-14 Paved Gutter Type I-A L.F.	I-14 Paved Gutter Type I-C L.F.	I-14 Paved Gutter Type I Std. L.F.	See Sheet No.
1D	1047+00	1058+00	L	1100						
2D	1047+00	1056+24	R		925	1				
3-D	1056+15	1058+00	R		185					
4D	1051+13.3	1051+23.3	℄					10		223
5D	1056+13.3	1056+23.3	℄					10		223
6D	1057+90	1058+00	L				10			222
7D	1056+20	1058+00	R						180	
Totals				1100	1110	1	10	20	180	

DRAINAGE (Cont.)

Ref. No.	Station From	Station To	Side	E-2 Excav. for Struct. C.Y.	I-2 Class A Storm Sewer 15" L.F.	I-2 Class A Storm Sewer Un. Part. 15" L.F.	S-1 Conc. for Structure Class E C.Y.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	I-8 No. 2-2A Catch Basin Modified Each	See Sheet No.
8D	1047+00	1057+90	L					9	1090		
9D	1057+90	1058+00	L						3		
10D	1051+26	1056+24	℄		498					1	223
11D	1056+24		R	1		90	0.3			1	223
12-D	1055+00	1056+20						6	80		
13D	1056+20	1058+00							60		
Totals				1	498	90	0.3		1233	2	

DRAINAGE (Cont.)

Ref. No.	Station From	Station To	Side	I-10 Type A Rip Rap 6" Reinf. Concrete S.Y.	I-4 Pipe Outlet for Underdrain 8" L.F.	I-2 Storm Sewer Sec. M-6.4c 15" L.F.	I-5 for I-2 30° Bend Sec. M-6.4 (c) 15" Each	I-8 Std. No. 2-2A Catch Basin Each
14D	1056+24		R	1.7				
15D	1056+24		R		10			
16D	1052+20		L	8.7		58	2	1
Totals				10.4	10	58	2	1

DRIVES & APPROACHES

Ref. No.	Station From	Station To	Side	I-18 Stab. Crd. Aggregate Shoulders and Approaches 10" depth C.Y.	
1A	1051+72		℄	54	
Totals				54	

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W. Sheet No.
1054+29.60	PCC. (R/W)	1	Set in ℄	286
1056+96.29	P.T. (R/W)	1	" " "	286
Total		2		

Excavation	56,292 Cu.Yds.
Embankment	2,528 Cu.Yds.
Embankment +20%	3,034 Cu.Yds.

Sta. 1047+00 To Sta. 1058+00

PLATE 4 CROSS SECTIONS U.S.B.P.R. & R.S. STANDARD
EUGENE DIETZGEN CO. CHICAGO - NEW YORK

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRIANGULATE — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRIANGULATE — AREAS — AREAS CHECKED — BY — DATE

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	-	

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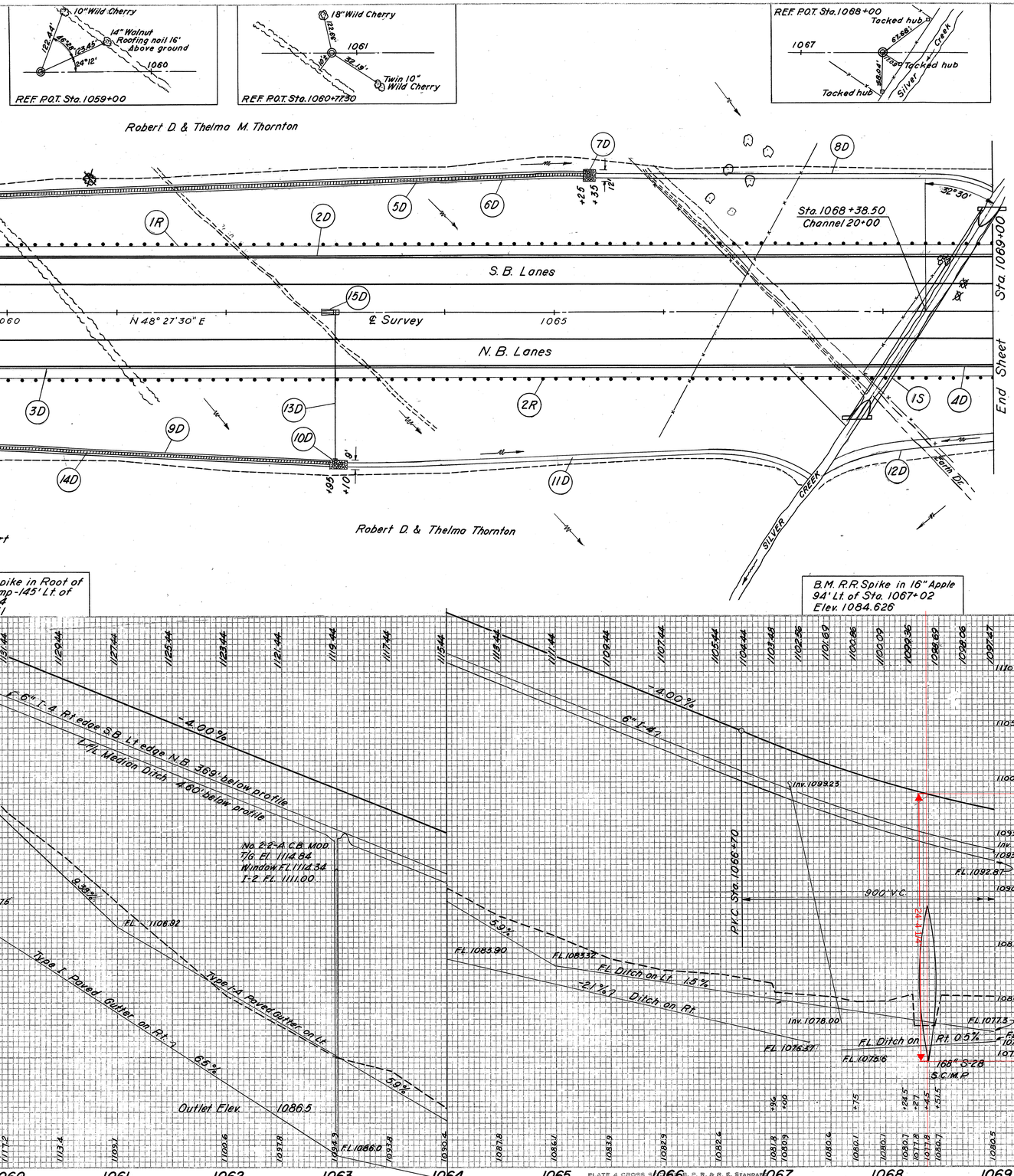
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



DRAINAGE

Ref. No.	Stations From	Stations To	Side	I-4 Underdrain (Shallow) 6" L.F	I-5 for I-4 Bends 45° 6" Each	I-4 Pipe Outlet Underdrain 6" Lin.Ft.	I-10 Dumped Rock Depth In.	I-10 Dumped Rock C.Y.	I-14 Paved Gutter Type I-A L.F	L-10 Sodding Width L.F	L-10 Sodding S.Y.	See Sheet No.
1 D	1058+00	1058+95	L	106		10						
2 D	1058+55	1069+00	L	1045								
3 D	1058+00	1067+58	R	990	3	10						
4 D	1067+20	1069+00	R	180								
5 D	1058+00	1065+25	L						730			222
6 D	1058+00	1065+25	L							3	243	
7 D	1065+25	1065+35	L				30	11				
8 D	1065+35	1069+00	L							9	365	
9 D	1058+00	1062+95	R							3	165	
10 D	1062+95	1063+10	R				30	13				
11 D	1063+10	1067+30	R							9	420	
12 D	1067+60	1069+00	R							12	187	
Totals				2321	4	20		24	730		1380	

DRAINAGE (Cont.)

Ref. No.	Stations From	Stations To	Side	I-8 No. 2-2-A Catch Basin Modified Each	I-2 Class A Storm Sewer Under Pavt. 15" Lin.Ft.	S-1 Conc. for Structures Class E C.Y.	I-2 Storm Sewer Sec. M-6.4(c) 15" L.F	I-5 30° Bend for I-2 Sec. M-6.4(c) 15" Each	I-14 Paved Gutter Type 1-C L.F	I-14 Paved Gutter Std. Type I L.F
13 D	1063+00		R	1	66	0.3	64	2		
14 D	1058+00	1062+95	R							495
15 D	1062+88.3	1062+98.3	℄						10	
Totals				1	66	0.3	64	2	10	495

STRUCTURES (20' span & under)

Ref. No.	Station	E-2 Structure Excavation C.Y.	S-1 Conc. for Structures Class E C.Y.	S-28 Sectional Corr. M. 168" Dia. 5-3 Gage L.F	E-3 Channel Excavation C.Y.	L-10 Sodding S.Y.		See Sheet No.
1S	1068+38.50	276	39.9	228	171	249		236
Total		276	39.9	228	171	249		

ROADWAY

Ref No	Station From	Station To	Side	I-15 Guard Rail Steel Beam Type Deep L.F
1R	1059+00	1069+00	L	1000
2R	1058+00	1069+00	R	1100
Total				2100

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
1066+00	P.O.T.	1	Set on ℄	286
Total		1		

Excavation	3,823 Cu. Yds.
Embankment	127,434 Cu. Yds.
Embankment + 20%	152,921 Cu. Yds.

PLATE 4 CROSS SECTIONS B. P. R. & R. E. STANDARD
ILLINOIS ENGRAVING CO. CHICAGO - NEW YORK

Sta. 1058+00 To Sta. 1069+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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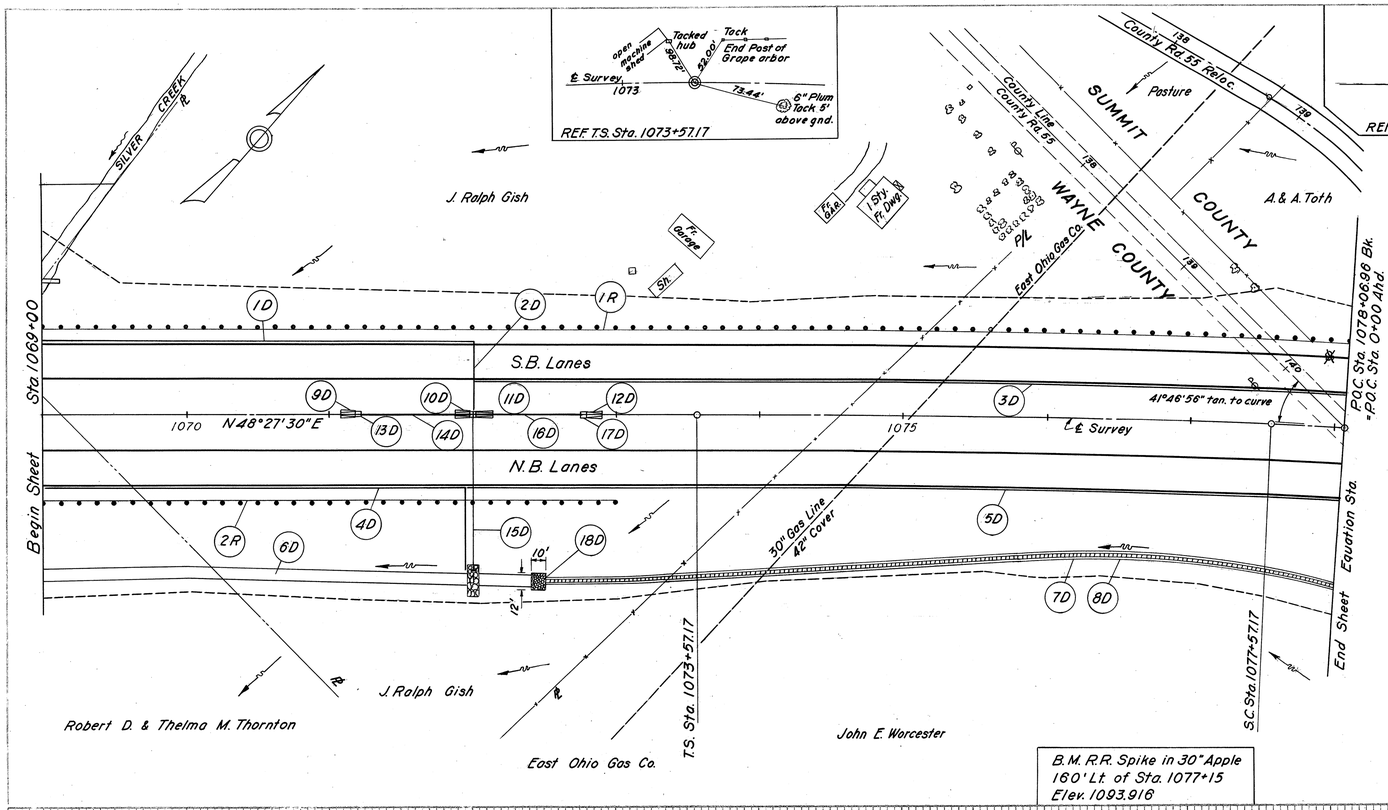
WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain (Shallow) 6" L.F.	I-2 Storm Sewer Under-Pavt. 8" L.F.	I-5 for I-2 Tees 8"x6" Each	I-5 for I-4 Tee 6"x6" Each	I-4 Underdrain Outlets 6" L.F.	I-14 Paved Gutter Type I-B L.F.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	I-14 Paved Gutter Type I-C L.F.	See Sheet No.
1D	1069+00	1072+00	L	300									
2D	1072+00	-	L		48	2							
3D	1072+00	1078+07	L	607									
4D	1089+00	1071+95	R	342			1	10					
5D	1071+97	1078+07	R	610									
6D	1069+00	1072+40	R							12	453		
7D	1072+50	1078+07	R						558				222
8D	1072+50	1078+07	R							3	186		
9D	1071+13.3	1071+23.3	℄									10	223
10D	1071+88.3	1071+98.3	℄									10	223
11D	1072+01.7	1072+11.7	℄									10	223
12D	1072+76.7	1072+86.7	℄									10	223
Totals				1859	48	2	1	10	558		639	40	

DRAINAGE (Cont)

Ref. No.	Station From	Station To	Side	I-2 Class A Storm Sewer 15" L.F.	I-2 Class A Storm Sewer Un. Pavt. 18" L.F.	S-1 Conc. for Structures Class E C.Y.	I-10 Dumped Rock Depth In.	I-10 Dumped Rock C.Y.	I-8 No. 2-2-A Catch Basin Modified Each	I-2 Storm Sewer Sec. M-640 18" L.F.	I-5 30° Bend for I-2 Sec. M-640 18" Each		See Sheet No.
13D	1071+25		℄						1				222
14D	1071+28	1071+99	℄	73									
15D	1072+00	-	℄&R		74	0.4	30	17	1	30	2		
16D	1072+01	1072+74	℄	73									
17D	1072+75								1				
18D	1072+40	1072+50	R				30	11					
Totals				146	74	0.4		28	3	30	2		

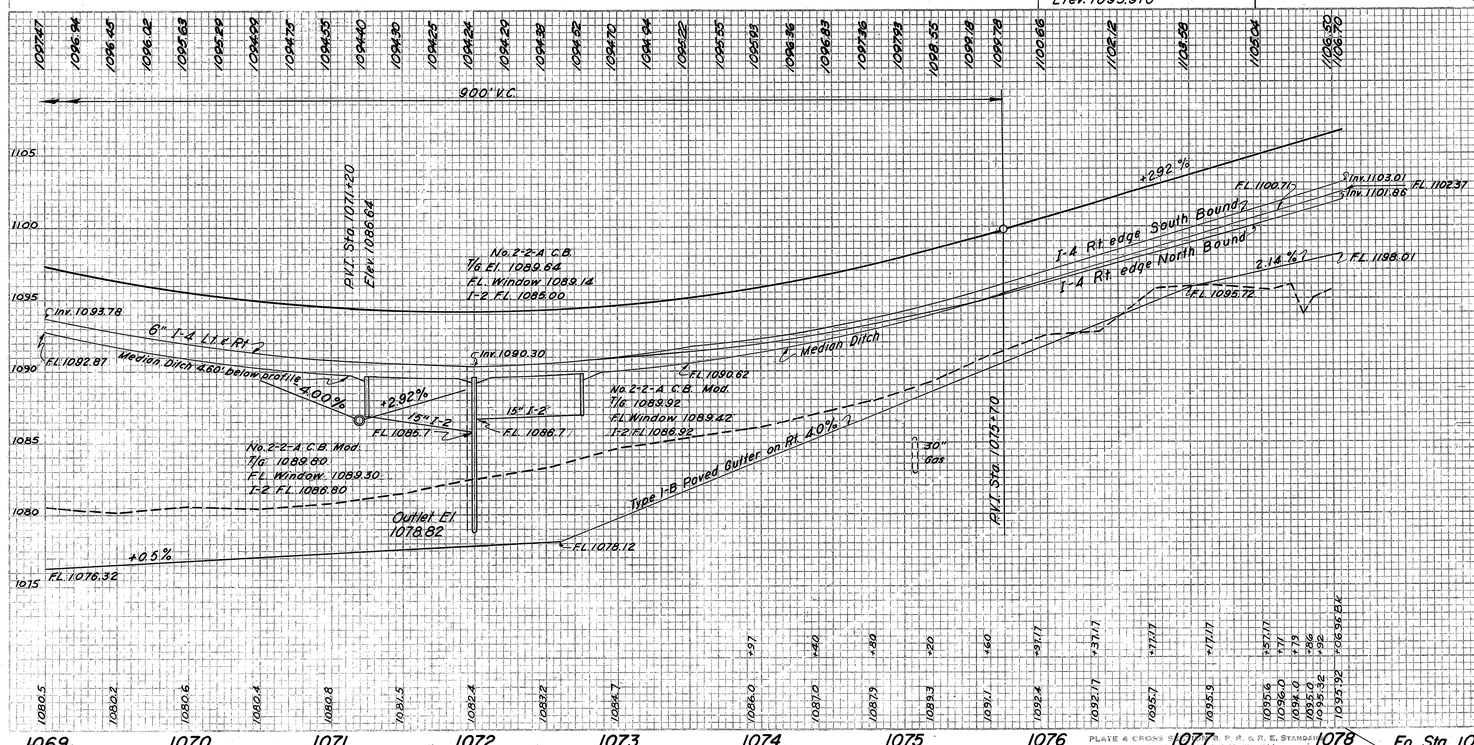
ROADWAY

Ref. No.	Station From	Station To	Side	I-5 Guard Rail Steel Beam Type Deep L.F.
1R	1069+00	1078+07	L	907
1R	1069+00	1073+00	R	400
Total				1307

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
1074+90.50	P.C. (R/W)	1	Set on ℄	286
1077+57.18	PCC (R/W)	1	" " "	287
Total		2		

Excavation	2,076 Cu. Yds.
Embankment	49,433 Cu. Yds.
Embankment + 20%	59,320 Cu. Yds.



Eq. Sta. 1078+06.96 Bk.
= Sta. 0+00 Ahd.

PLATE 4 CROSS SECTIONS FOR P. S. R. & R. E. STANDARD
ELDRIDGE-GREEN CO. CHICAGO-NEW YORK

Sta. 1069+00 To Sta. 1078+06.96 Bk.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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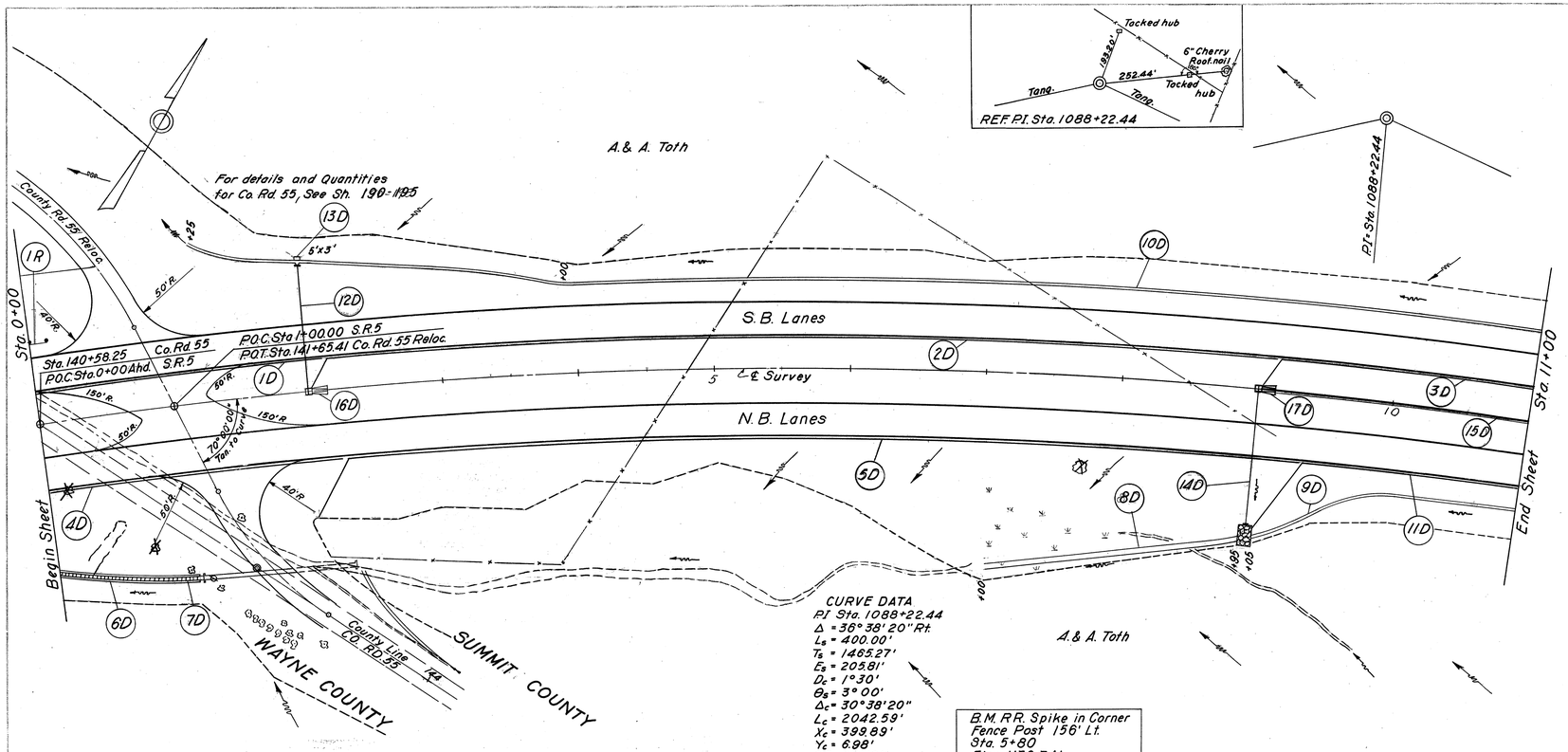
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



DRAINAGE

Ref. No.	Stations From	Stations To	Side	I-4 Underdrain (Shallow) 6" L.F	I-4 Underdrain (Deep) 6" L.F	I-4 Underdrain Outlets 6" L.F	I-4 Underdrain Outlets 8" L.F	I-5 for I-4 Bends 60° 6" Each	I-14 Paved Gutter Type I-B L.F	L-10 Sodding Width L.F	L-10 Sodding S.Y.	See Sheet No.
1D	0+00	2+10	L	210								
2D	2+02	9+10	L	710			10	1				
3D	9+02	11+00	L	200			10	1				
4D	0+00	2+20	R	220								
5D	2+00	9+35	R		750	10		1				
6D	0+00	1+02	R						104			222
7D	0+00	1+02	R							3	34	
8D	7+00	8+95	R							6	130	
9D	9+05	11+00	R							6	134	
10D	1+25	11+00	L							6	650	
11D	9+05	11+00			212	10		1				
Totals				1340	962	20	20	4	104		948	

DRAINAGE (Cont.)

Ref. No.	Station From	Station To	Side	I-2 Class A Storm Sewer Under Pavt. 15" L.F	I-2 Class A Storm Sewer 15" L.F	S-1 Conc. for Structures Class E C.Y.	I-10 Dumped Rock Depth In.	I-10 Dumped Rock C.Y.	I-8 No 2-2-A Catch Basin Modified Each	I-10 Type A Rip Rap 6" Reinf. Concrete S.Y.	See Sheet No.
12D	2+00	-		86		0.3			1		223
13D	2+00		℄							1.7	
14D	9+00		℄ & R	102		0.3	30	15	1		
15D	9+01	11+00	℄		200						
Totals				188	200	0.6		15	2	1.7	

DRAINAGE (Cont.)

Ref. No.	Station From	Station To	Side	I-14 Paved Gutter Type I-C L.F	See Sheet No.
16D	2+01.7	2+11.7	℄	10	223
17D	9+01.7	9+11.7	℄	10	223
Totals				20	

ROADWAY

Ref. No.	Station From	Station To	Side	I-15 Guard Rail Steel Beam Type Deep L.F
1R	0+00	0+12.5	L	12.5
Totals				12.5

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
8+00	P.O.C.	1	Set on ℄	287
Total		1		

Excavation	16,612 Cu. Yds.
Embankment	23,736 Cu. Yds.
Embankment + 20%	28,483 Cu. Yds.

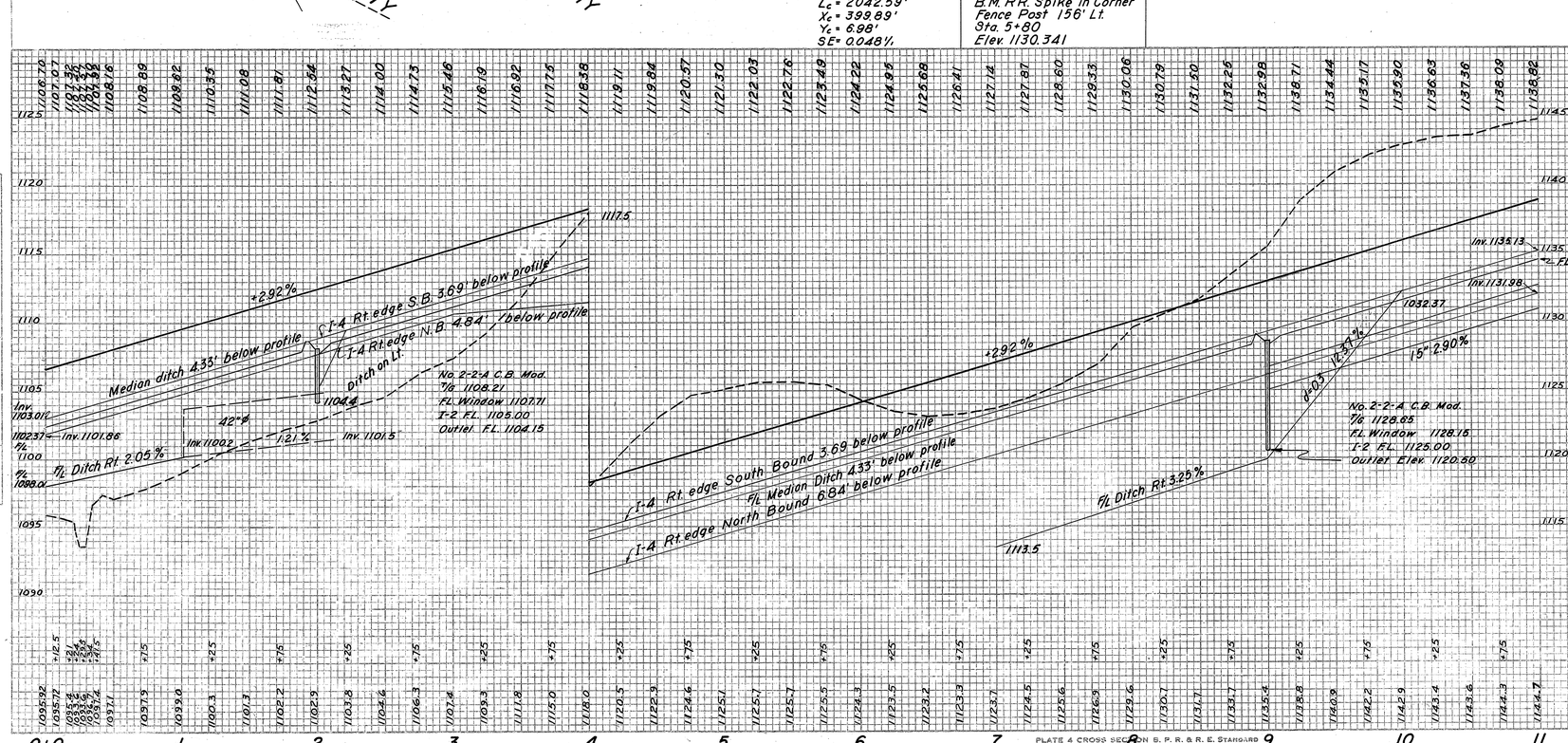
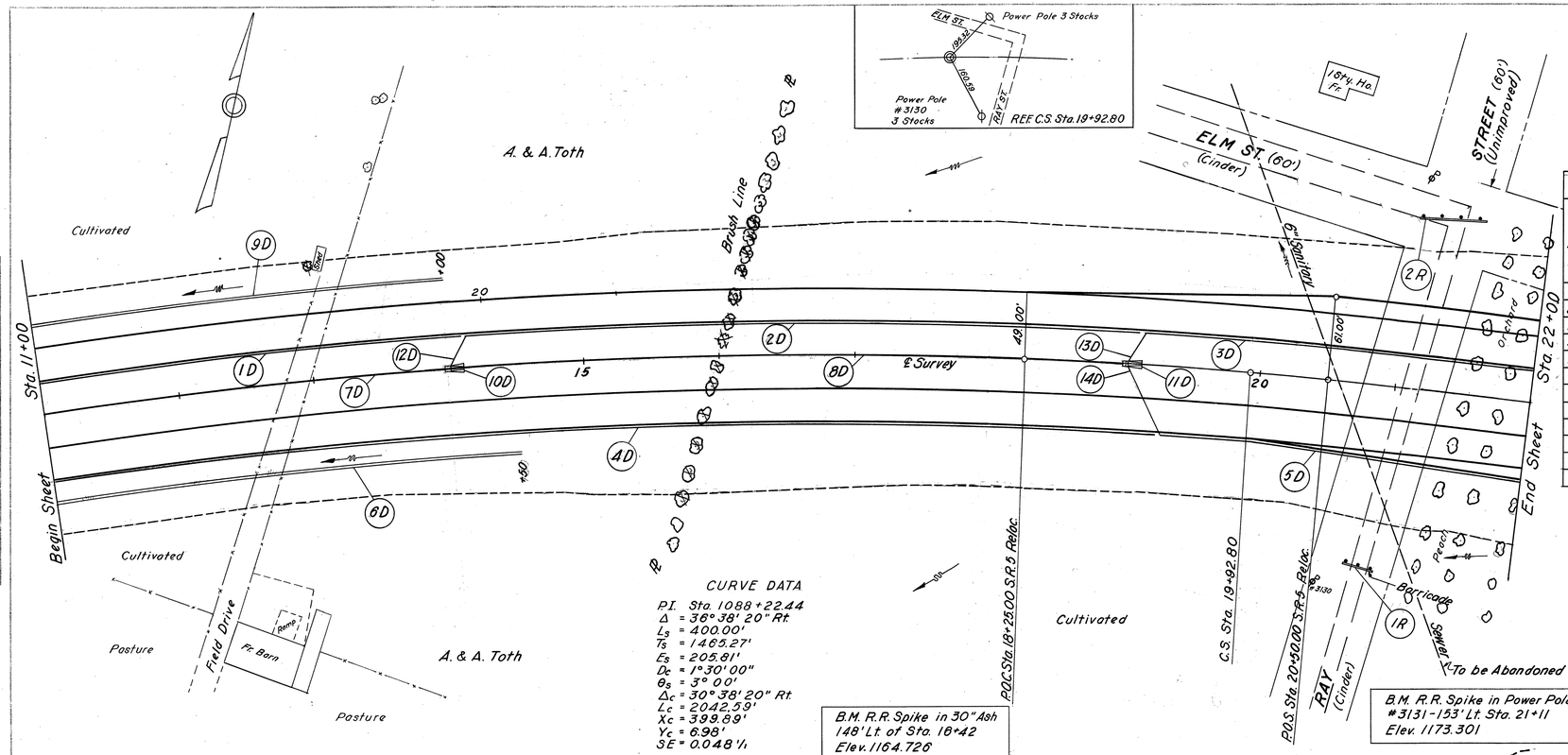


PLATE 4 CROSS SECTION S. P. R. & R. E. STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

Sta. 0+00 Ahd. To Sta. 11+00

FED. RD. DIVISION	STATE	PROJECT		39
2	OHIO			291

WAY-5-15.78
SUM-5-0.00
WAYNE & SUMMIT COUNTIES



CURVE DATA
P.I. Sta. 1088+22.44
Δ = 36°38' 20" Rt.
L_s = 400.00'
T_s = 1465.27'
E_s = 205.81'
D_c = 1°30' 00"
θ_s = 3° 00'
Δ_c = 30° 38' 20" Rt.
L_c = 2042.59'
X_c = 399.89'
Y_c = 6.98'
SE = 0.048 ft.

B.M. R.R. Spike in 30" Ash
148' Lt. of Sta. 16+42
Elev. 1164.726

B.M. R.R. Spike in Power Pole
#3131-153' Lt. Sta. 21+11
Elev. 1173.301

DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain (Shallow) 6" L.F.	I-4 Underdrain (Deep) 6" L.F.	I-5 for I-4 Bends 60° 6" L.F.	I-8 No. 2-2-A Catch Basin Modified Ea.	I-2 Class A Storm Sewer 15" L.F.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	See Sheet No.
1D	11+00	14+10	L	310							
2D	14+00	19+10	L	520		1					223
3D	19+00	22+00	L	315		1					223
4D	11+00	19+25	R		825						
5D	19+00	22+00	R		326	1					223
6D	11+00	14+50	R						9	350	
7D	11+00	13+99	℄				1	299			
8D	14+01	18+99	℄				1	498			
9D	11+00	14+00	L						6	200	
Totals				1145	1151	3	2	797		550	

ROADWAY

Ref. No.	Station From	Station To	Side	I-15 Guard Rail Steel Beam Type (Deep) L.F.
1-R	20+84	21+02	R	25
2 R	21+05	21+55	L	50
Total				75

DRAINAGE (cont.)

Ref. No.	Station From	Station To	Side	I-14 Paved Gutter Type 1C L.F.	I-4 Underdrain Outlets 8" L.F.	See Sheet No.
10D	14+01.7	14+11.7	℄	10		223
11D	19+01.7	19+11.7	℄	10		223
12D	14+00		L		10	
13D	19+00		L		10	
14D	19+00		R		10	
Totals				20	30	

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
19+92.81	PCC(R/W)	1	Set on ℄	287
Total		1		

Excavation	68,827 Cu. Yds.
Embankment	0 Cu. Yds.
Embankment +20%	0 Cu. Yds.

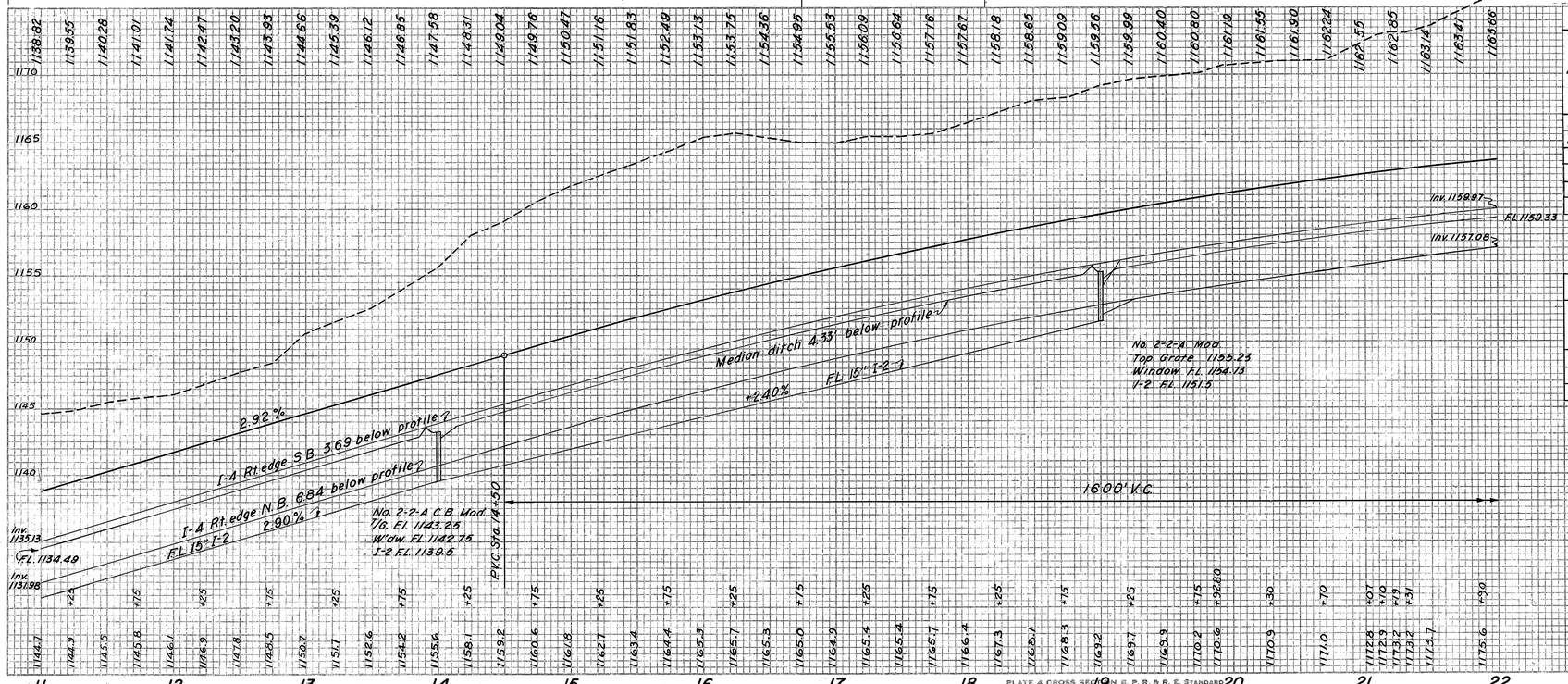


PLATE A CROSS SECTION E. P. R. & R. E. STANDARDS
EUGENE DIETZGEN CO. CHICAGO - NEW YORK

Sta. 11+00 To Sta. 22+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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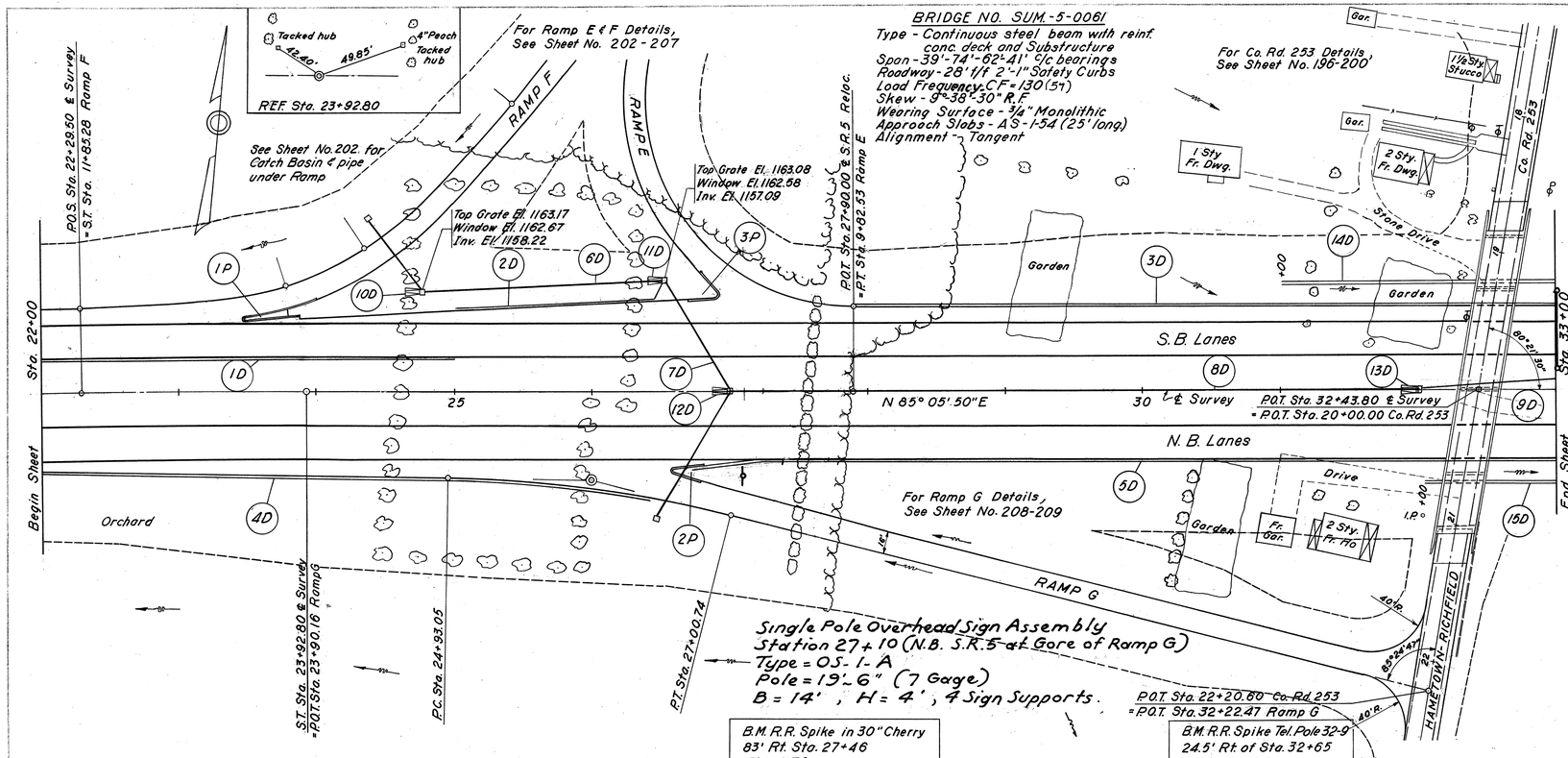
291

WAY-5-15.78
SUM-5-0.00
WAYNE & SUMMIT COUNTIES



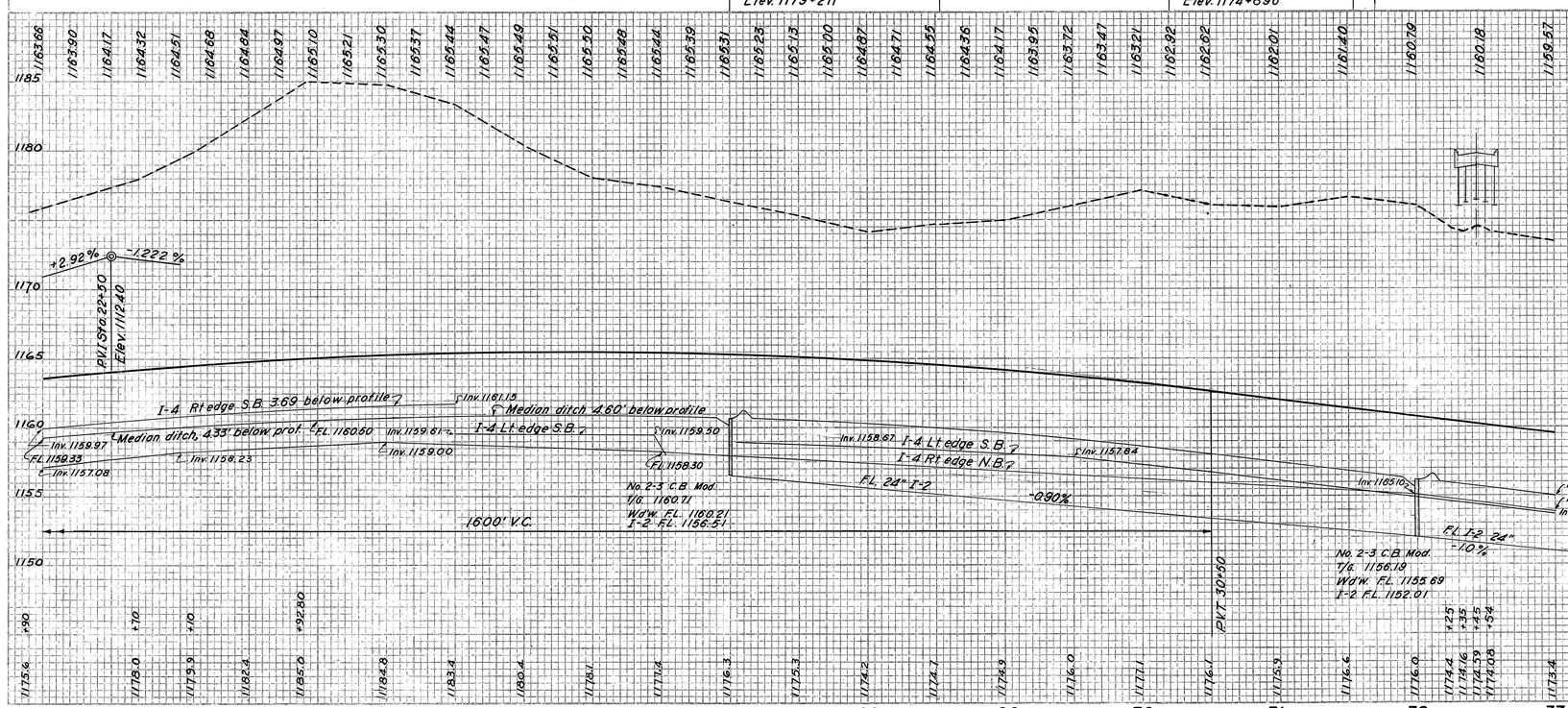
DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain (Shallow) 6" L.F	I-4 Underdrain (Deep) 6" L.F	I-8 No. 2-3 Catch Basin Modified Each.	I-2 Class A Storm Sewer Under Pavt. 21" L.F	I-2 Class A Storm Sewer 21" L.F	I-2 Class A Storm Sewer 24" L.F	I-8 No. 2-2-A Catch Basin Modified Each	I-4 Outlet for Underdrain 8" L.F
1D	22+00	25+00	L	300							
2D	25+00	26+53	L		150						10
3D	27+90	33+00	L		510						
4D	22+00	26+46	R		454						
5D	26+70	33+00	R		630						
6D	24+76	26+54	L					176		1	
7D	26+54	27+00	L				92			1	
8D	27+01	31+99	℄			1			498		
9D	32+01	33+00	L			1			99		
Totals				300	1744	2	92	176	597	2	10

Note: For details of overhead sign bridge at station 33+00, See sheet 41.

DRAINAGE (cont.)

Ref. No.	Station From	Station To	Side	I-14 Paved Gutter Type I-C L.F	L-10 Sodding Width L.F	L-10 Sodding S.Y.	See Sheet No.
10D	24+63.3	24+73.3	L	10			223
11D	26+43.3	26+53.3	L	10			223
12D	26+88.3	26+98.3	℄	10			223
13D	31+88.3	31+98.3	℄	10			223
14D	31+00	33+00	L		9	200	
15D	32+00	33+00	R		9	100	
Totals				40		300	



PAVEMENT

Ref. No.	Station From	Station To	Side	I-12 Std Type 2A Concrete Curb L.F	I-21 4" P.C. Concrete Median Pavt. Type I S.Y.		See Sheet No.
1P	23+47.5	-	L	98	14		221
2P	26+58.9	-	R	46			220
3P	26+92.7		L	46			220
Totals				190	14		

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
22+59.49	P.T. (R/W)	1	Set on ℄	287
30+00	P.O.T.	1	" " "	288
Total		2		

Excavation	128,891 Cu. Yds.
Embankment	0 Cu. Yds.
Embankment + 20%	0 Cu. Yds.

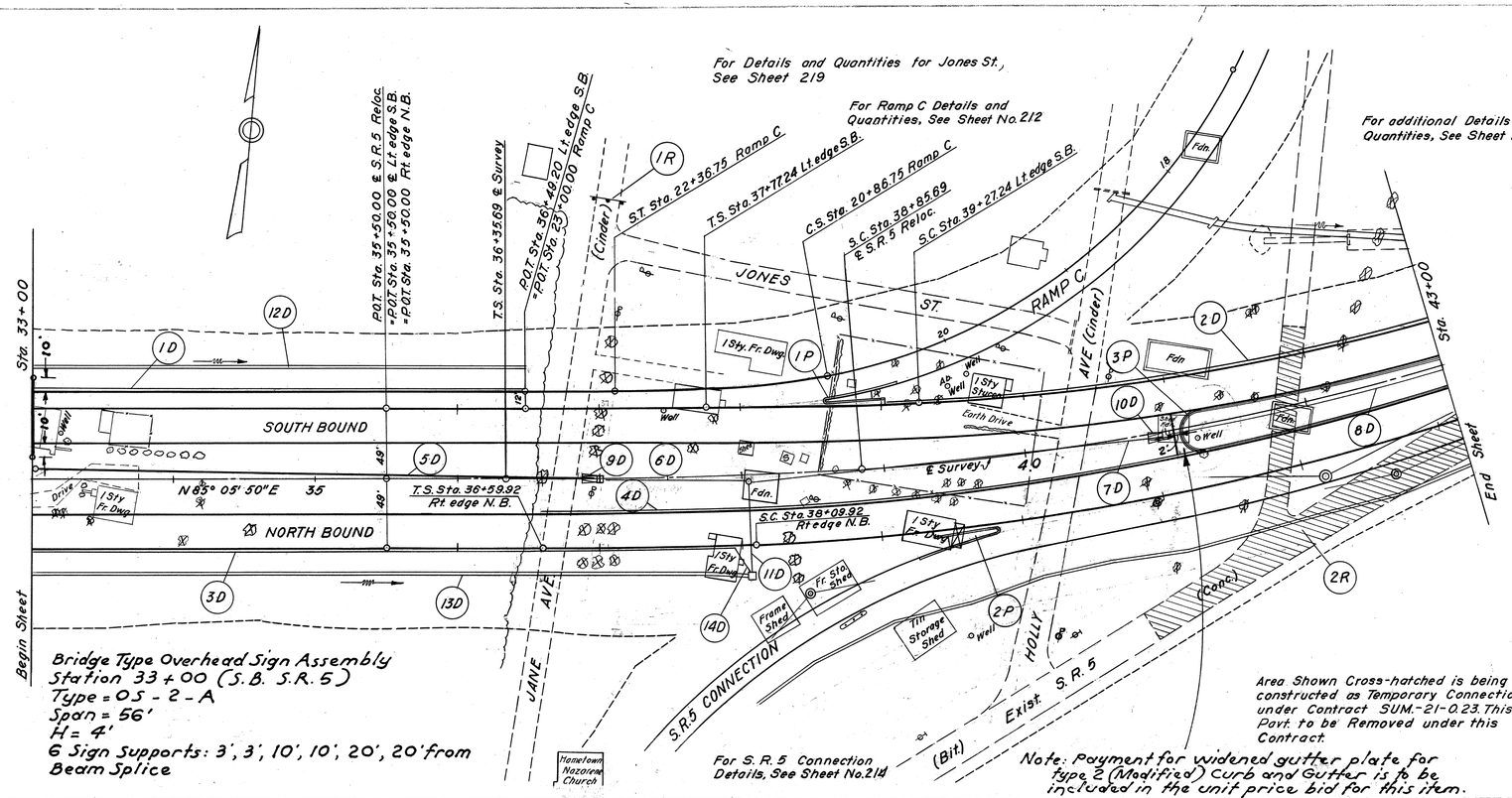
PLATE 4 CROSS SECTION B. P. R. & R. E. STANDARD
CUSING DIETZGEN CO., CHICAGO - NEW YORK

Sta. 22+00 To Sta. 33+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

41
291

WAY-5-15.78
SUM-5-0.00
WAYNE & SUMMIT COUNTIES



Bridge Type Overhead Sign Assembly
Station 33+00 (S.B. S.R.5)
Type = OS-2-A
Span = 56'
H = 4'
6 Sign Supports: 3', 3', 10', 10', 20', 20' from Beam Splice

For S.R.5 Connection Details, See Sheet No. 214

Area Shown Cross-hatched is being constructed as Temporary Connection under Contract SUM.-21-0.23. This Pavt. to be Removed under this Contract.

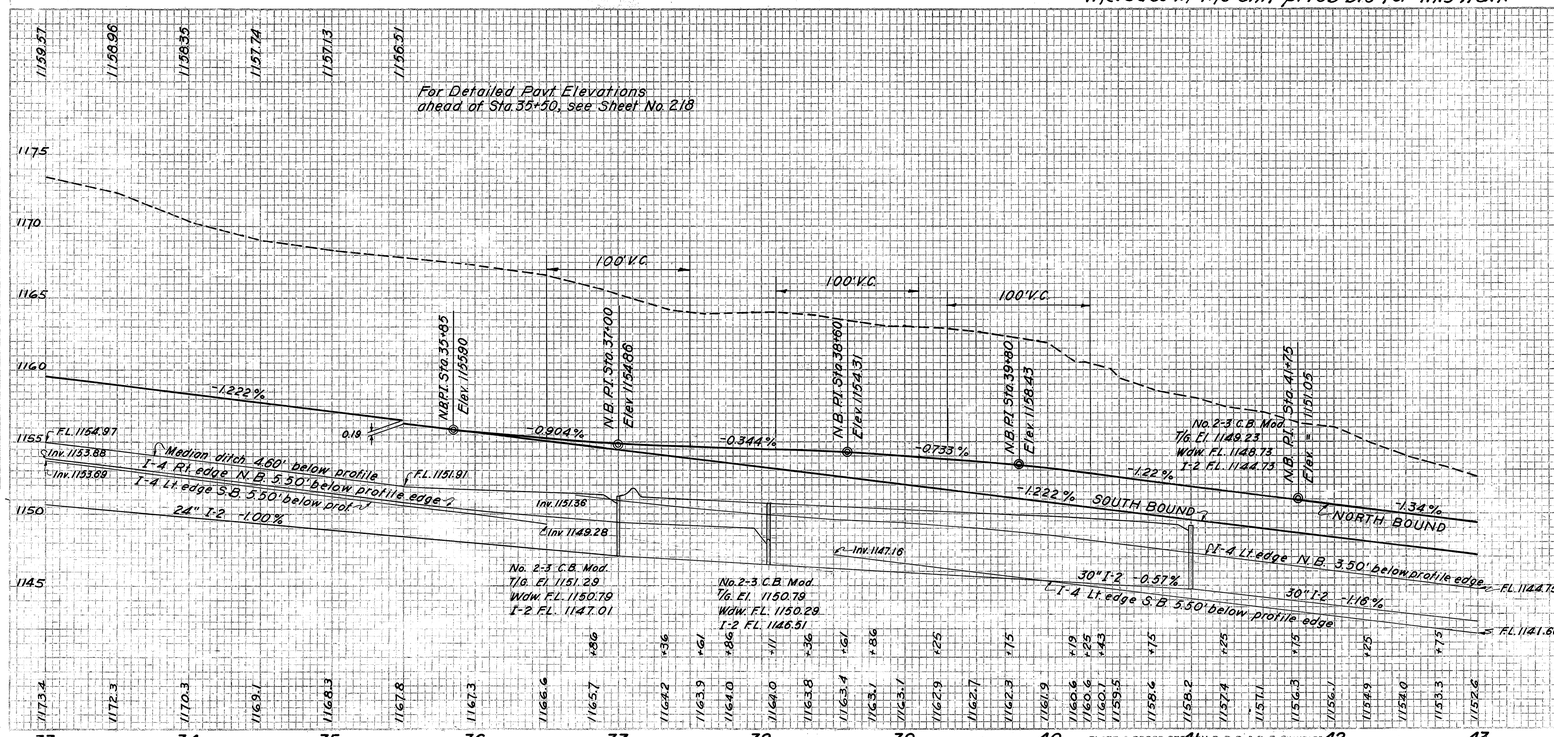
Note: Payment for widened gutter plate for type 2 (Modified) Curb and Gutter is to be included in the unit price bid for this item.

DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain (Deep) 6" L.F.	I-4 Underdrain (Shallow) 8" L.F.	I-5 for I-4 60° Bends 8" L.F.	I-8 Std. No.1 Manhole Each	I-8 No.2-3 Catch Basin Modified Each	I-14 Paved Gutter Type I D L.F.	I-2 Storm Sewer Class A 24" L.F.	I-2 Storm Sewer Class A 30" L.F.	See Sheet No.
1D	33+00	36+49.20	L	350								
2D	39+04	43+00	L	396								
3D	33+00	38+04	R	510		1						
4D	36+70	43+00	R		630							
5D	33+04	36+99	℄				1			395		
6D	37+01	38+03	℄					1			102	222
7D	38+07	40+99	℄				1				292	
8D	41+01	43+00	℄					1			199	222
9D	36+88.3	36+98.3	℄						10			222
10D	40+88.3	40+98.3	℄						10			222
Totals				1256	630	1	2	2	20	395	593	

DRAINAGE (cont.)

Ref. No.	Station From	Station To	Side	I-2 Class A Storm Sewer Under Pavt. 21" L.F.	I-8 No.2-2-A Catch Basin Modified Each	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	I-4 Outlets for Underdrains 8" L.F.	See Sheet No.
11D	38+05	-	R	66	1				223
12D	33+00	36+49.2	L			9	349		
13D	33+00	38+00	R			9	500		
14D	38+05		R					10	
Totals				66	1		849	10	



PAVEMENT

Ref. No.	Station From	Station To	Side	I-12 Std. Type 2A Concrete Curb L.F.	I-12 Type 2 Concrete Curb & Gutter Modified L.F.	I-21 4" P.C. Concrete Median Pavt. S.Y.	See Sheet No.
1P	38+55	-	L	97		14	221
2P	39+70		R	98		17	220
3P	41+10	43+00	℄		392		220
Totals				195	392	31	

ROADWAY

Ref. No.	Station From	Station To	Side	I-15 Guard Rail Steel Beam Type-Deep L.F.	E-8 Removal and Disposal of Existing Pavt. S.Y.		See Sheet No.
1R	37+00	-	L	25			
2R	40+60	43+00	L & R		974		
Totals				25	974		

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
35+00	P.O.T.	1	Set on ℄	288
37+19.02	P.C. (R/W)	1	Set on ℄	289
38+85.70	P.C.C. (R/W)	1	Set on ℄	289
Total		3		

71,042 Cu.Yds. Excavation
0 Cu.Yds. Embankment
0 Cu.Yds. Embankment + 20%

Sta. 33+00 To Sta. 43+00

PLATE 4 CROSS SECTION B. P. R. & R. E. STANDARD
EUGENE DIETZGEN CO. CHICAGO - NEW YORK

FED. RD. DIVISION	STATE	PROJECT		
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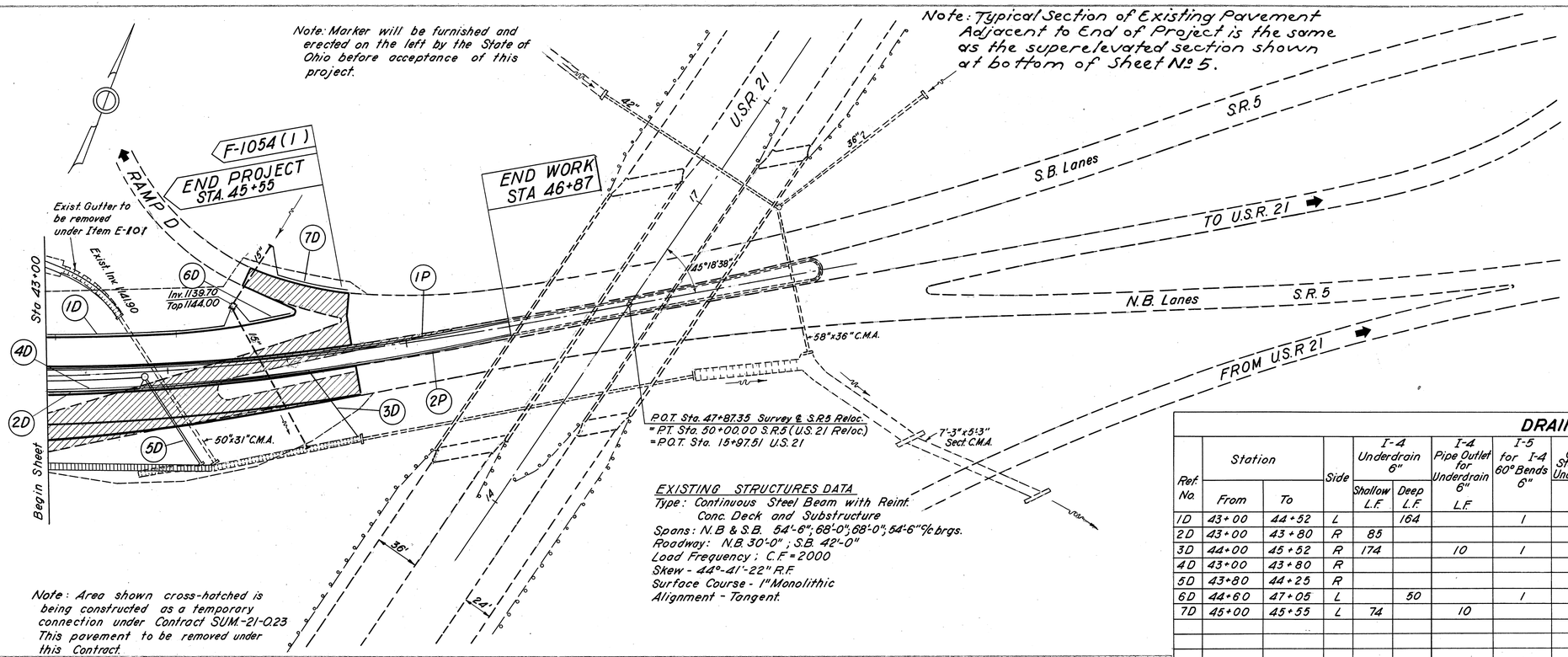
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

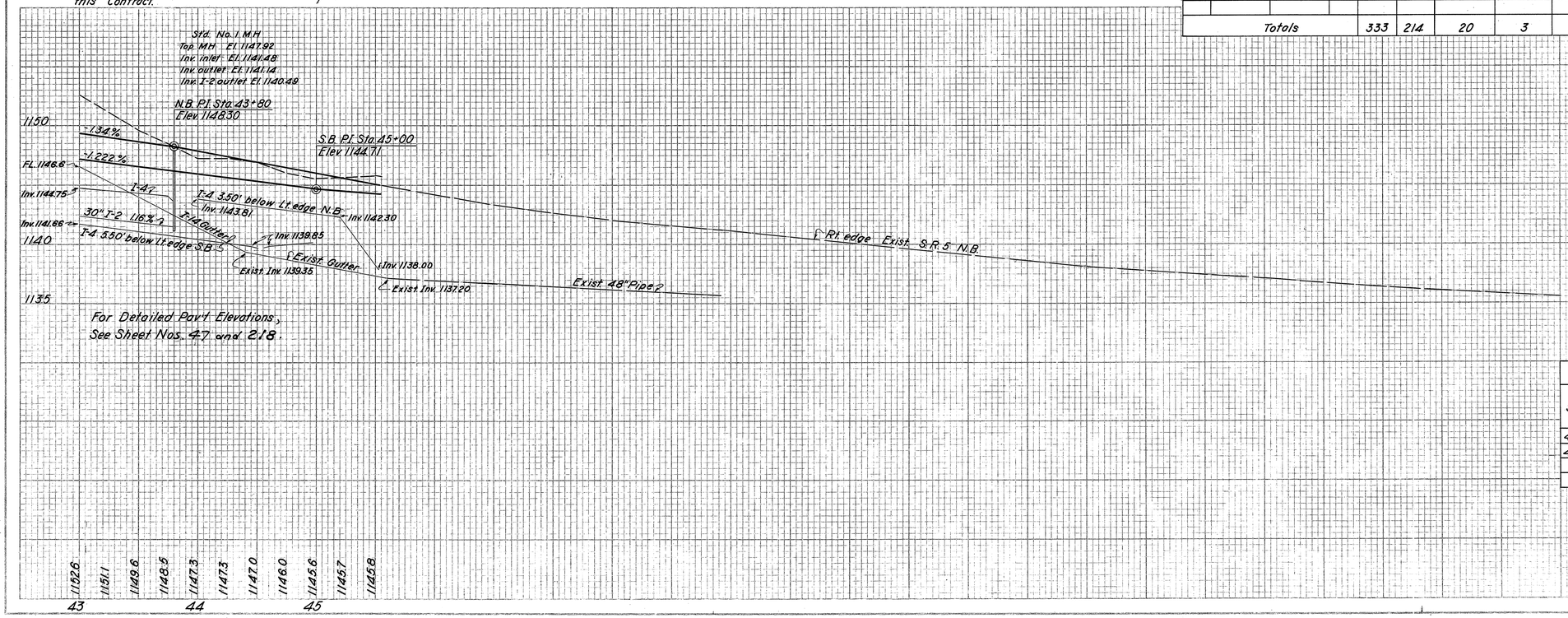
Note: Marker will be furnished and erected on the left by the State of Ohio before acceptance of this project.

Note: Typical Section of Existing Pavement Adjacent to End of Project is the same as the superelevated section shown at bottom of Sheet No. 5.



EXISTING STRUCTURES DATA
Type: Continuous Steel Beam with Reinf. Conc. Deck and Substructure
Spans: N.B & S.B. 54'-6", 68'-0", 68'-0", 54'-6" ℄ brgs.
Roadway: N.B. 30'-0" ; S.B. 42'-0"
Load Frequency ; C.F. = 2000
Skew - 44°-41'-22" R.F.
Surface Course - 1" Monolithic
Alignment - Tangent.

Note: Area shown cross-hatched is being constructed as a temporary connection under Contract SUM-21-0.23 This pavement to be removed under this Contract.



For Detailed Pav't Elevations, See Sheet Nos. 47 and 218.

ROADWAY

Ref. No.	Station From	Station To		E-8 Removal & Disposal of Exist. Pav't. S.Y.		
1R	43+00	46+39		1290		
Totals				1290		

DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain 6" Shallow L.F.	I-4 Underdrain 6" Deep L.F.	I-4 Pipe Outlet for Underdrain 6" L.F.	I-5 for I-4 60° Bends 6"	I-2 Class A Storm Sewer Under Pav't. 36" L.F.	I-2 Class A Storm Sewer 30" L.F.	I-8 Std. No.1 Manhole Each	S-1 Concrete for Structures Class E C.Y.			See Sheet No.
1D	43+00	44+52	L		164		1							
2D	43+00	43+80	R	85										
3D	44+00	45+52	R	174		10	1							
4D	43+00	43+80	R						80					
5D	43+80	44+25	R					84		1	0.6			
6D	44+60	47+05	L		50		1							
7D	45+00	45+55	L	74		10								
Totals				333	214	20	3	84	80	1	0.6			

PAVEMENT

Ref No.	Station From	Station To	Side	I-12 Type 2 Concrete Cb. & Gutt. Modified L.F.		See Sheet No.
1P	43+00	46+87	L	387		220
2P	43+00	46+87	R	387		220
Totals				774		

MONUMENTS

Station	Point of Reference	I-8 Monuments Each	Remarks	See R/W Sheet No.
45+19.96	PCC (R/W)	1	Set on ℄	289
46+86.64	P.T. (R/W)	1	" " "	289
Total		2		

Excavation	3,119 Cu.Yds.
Embankment	162 Cu.Yds.
Embankment + 20%	194 Cu.Yds.

STA. 43+00 TO STA. 45+55

SUPERELEVATION TABLES

FED. RD. DIVISION	STATE	PROJECT	
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WAYNE & SUMMIT COUNTIES
WAY.-5- 15.78
SUM.-5- 0.00

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+51.22	960.09	960.28	960.09		
+75	960.44	960.57	960.38		
834+00	960.81	960.88	960.69		
+25	961.19	961.19	961.00		
+50	961.59	961.49	961.30		
+75	962.00	961.82	961.61		
835+00	962.42	962.18	961.92		
+25	962.83	962.54	962.23		
+50	963.24	962.89	962.53		
+75	963.65	963.25	962.84		
836+00	964.06	963.61	963.15		
+25	964.48	963.97	963.46		
+50	964.88	964.33	963.76		
+75	965.21	964.64	964.07		
837+00	965.52	964.95	964.38		
+25	965.83	965.26	964.69		
+50	966.13	965.56	964.99		
+75	966.44	965.87	965.30		
838+00	966.75	966.16	965.61		
+25	967.06	966.49	965.92		
+50	967.36	966.79	966.22		
+75	967.67	967.10	966.53		
839+00	967.98	967.41	966.84		
+25	968.28	967.71	967.14		
+50	968.59	968.02	967.45		
+75	968.80	968.33	967.76		
840+00	969.01	968.59	968.07		
+25	969.20	968.79	968.37		
+50	969.41	969.05	968.68		
+75	969.60	969.30	968.98		
841+00	969.79	969.54	969.27		
+25	969.95	969.76	969.54		
+50	970.12	970.00	969.81		
+75	970.27	970.25	970.06		
842+00	970.44	970.50	970.31		
+25	970.60	970.72	970.53		
+50	970.75	970.93	970.74		
+50.2	970.75	970.93	970.74		

RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+51.22	860.09	960.28	960.09		
+75	860.38	960.51	960.32		
834+00	860.69	960.76	960.57		
+25	861.00	961.00	960.81		
+50	861.30	961.18	960.99		
+75	861.61	961.40	961.20		
835+00	861.92	961.66	961.43		
+25	862.23	961.92	961.67		
+50	862.53	962.17	961.89		
+75	862.84	962.43	962.13		
836+00	863.15	962.69	962.36		
+25	863.46	962.95	962.60		
+50	863.76	963.20	962.82		
+75	864.07	963.50	963.12		
837+00	864.38	963.81	963.43		
+25	864.69	964.12	963.74		
+50	864.99	964.42	964.04		
+75	865.30	964.73	964.35		
838+00	865.61	965.04	964.66		
+25	865.92	965.35	964.97		
+50	866.22	965.65	965.27		
+75	866.53	965.96	965.58		
839+00	866.84	966.27	965.89		
+25	867.14	966.57	966.19		
+50	867.45	966.88	966.50		
+75	967.76	967.24	966.88		
840+00	968.07	967.60	967.27		
+25	968.37	967.95	967.64		
+50	968.68	968.31	968.03		
+75	968.98	968.66	968.40		
841+00	969.27	969.00	968.77		
+25	969.54	969.32	969.11		
+50	969.81	969.67	969.48		
+75	970.06	970.04	969.85		
842+00	970.31	970.36	970.17		
+25	970.53	970.65	970.46		
+50	970.74	970.92	970.73		
+50.2	970.74	970.92	970.73		

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+50.2	970.75	970.93	970.74		
+75	970.88	971.07	970.95		
843+00	971.01	971.20	971.14		
+25	971.10	971.29	971.31		
+50	971.16	971.35	971.48		
+75	971.20	971.41	971.63		
844+00	971.23	971.50	971.77		
+25	971.23	971.56	971.89		
+50	971.24	971.62	972.01		
+75	971.24	971.67	972.12		
845+00	971.22	971.71	972.21		
+25	971.17	971.72	972.28		
+50	971.13	971.73	972.35		
+75	971.07	971.72	972.40		
846+00	971.00	971.71	972.44		
+25	970.90	971.67	972.46		
+50	970.81	971.63	972.48		
+75	970.71	971.58	972.49		
847+00	970.59	971.52	972.48		
+25	970.47	971.46	972.46		
+50	970.44	971.43	972.43		
+75	970.39	971.38	972.38		
848+00	970.33	971.32	972.32		
+25	970.26	971.25	972.25		
+50	970.17	971.16	972.16		
+75	970.08	971.07	972.07		
849+00	969.97	970.96	971.96		
+25	969.87	970.84	971.84		
+50	969.85	970.76	971.71		
+75	969.81	970.67	971.56		
850+00	969.78	970.58	971.41		
+25	969.71	970.46	971.23		
+50	969.64	970.33	971.05		
+75	969.56	970.20	970.86		
851+00	969.49	970.07	970.67		
+25	969.41	969.94	970.48		
+50	969.33	969.80	970.29		
+75	969.26	969.68	970.11		
852+00	969.19	969.55	969.92		
+25	969.11	969.42	969.73		
+50	969.03	969.28	969.54		
+75	968.95	969.15	969.35		
853+00	968.88	969.07	969.16		
+25	968.79	968.98	968.97		
+50	968.69	968.88	968.80		
+75	968.62	968.81	968.67		
854+00	968.59	968.78	968.59		

RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+50.2	970.74	970.92	970.73		
+75	970.95	971.14	971.02		
843+00	971.14	971.33	971.21		
+25	971.31	971.50	971.52		
+50	971.48	971.67	971.80		
+75	971.63	971.85	972.06		
844+00	971.77	972.04	972.31		
+25	971.89	972.22	972.55		
+50	972.01	972.40	972.78		
+75	972.12	972.57	973.00		
845+00	972.21	972.71	973.20		
+25	972.28	972.84	973.39		
+50	972.35	972.97	973.57		
+75	972.40	973.08	973.73		
846+00	972.44	973.17	973.88		
+25	972.46	973.25	974.02		
+50	972.48	973.33	974.15		
+75	972.49	973.40	974.27		
847+00	972.48	973.44	974.37		
+25	972.46	973.46	974.45		
+50	972.43	973.43	974.42		
+75	972.38	973.38	974.37		
848+00	972.32	973.32	974.31		
+25	972.25	973.25	974.24		
+50	972.16	973.16	974.15		
+75	972.07	973.07	974.00		
849+00	971.96	972.96	973.95		
+25	971.84	972.84	973.81		
+50	971.71	972.66	973.57		
+75	971.56	972.45	973.31		
850+00	971.41	972.24	973.04		
+25	971.23	972.00	972.75		
+50	971.05	971.77	972.46		
+75	970.86	971.55	972.16		
851+00	970.67	971.27	971.85		
+25	970.48	971.02	971.55		
+50	970.29	970.78	971.25		
+75	970.11	970.54	970.96		
852+00	969.92	970.29	970.65		
+25	969.73	970.04	970.35		
+50	969.54	969.80	970.05		
+75	969.35	969.55	969.75		
853+00	969.16	969.35	969.44		
+25	968.97	969.16	969.15		
+50	968.80	968.99	968.92		
+75	968.67	968.86	968.72		
854+00	968.59	968.78	968.59		

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
854+00	968.58	968.77	968.58		
+25	968.54	968.72	968.53		
+50	968.60	968.72	968.53		
+75	968.71	968.76	968.57		
855+00	968.86	968.83	968.64		
+25	969.08	968.94	968.75		
+50	969.35	969.12	968.90		
+75	969.66	969.38	969.10		
856+00	970.00	969.77	969.33		
+25	970.39	970.06	969.61		
+50	970.82	970.37	969.92		
+75	971.29	970.79	970.28		
857+00	971.79	971.24	970.67		
+25	972.34	971.74	971.11		
+50	972.94	972.27	971.59		
+75	973.57	972.85	972.11		
858+00	974.21	973.44	972.64		
+25	974.86	974.04	973.18		
+50	975.52	974.63	973.72		
+75	976.15	975.21	974.24		
859+00	976.75	975.77	974.76		
+25	977.26	976.28	975.27		
+50	977.76	976.78	975.77		
+75	978.24	977.26	976.25		
860+00	978.72	977.74	976.73		
+25	979.20	978.22	977.21		
+50	979.66	978.68	977.67		
+75	980.10	979.12	978.11		
861+00	980.54	979.56	978.55		
+25	980.97	979.99	978.98		
+50	981.39	980.41	979.40		
+75	981.80	980.82	979.81		
862+00	982.20	981.22	980.21		
+25	982.59	981.61	980.60		
+50	982.96	981.98	980.97		
+75	983.34	982.36	981.35		
863+00	983.70	982.72	981.71		
+25	984.04	983.06	982.05		
+50	984.38	983.40	982.40		
+75	984.60	983.68	982.73		
864+00	984.81	983.94	983.05		
+25	985.00	984.20	983.36		
+50	985.19	984.24	983.66		
+75	985.37	984.67	983.95		
865+00	985.55	984.90	984.24		
+25	985.69	985.11	984.50		
+50	985.85	985.32	984.77		
+75	985.99	985.57	985.02		
866+00	986.12	985.69	985.26		
+25	986.23	985.87	985.49		
+50	986.35	986.04	985.72		
+75	986.45	986.19	985.93		
867+00	986.54	986.33	986.13		
+25	986.61	986.51	986.32		
EQ.= +	47.98	BK = +	59.35	AHD.	
+75	986.75	986.79	986.60		
868+00	986.86	986.96	986.77		
+25	986.95	987.12	986.93		
+50	987.07	987.26	987.07		

RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
854+00	968.58	968.77	968.58		
+25	968.53	968.70	968.51		
+50	968.53	968.62	968.43		
+75	968.57	968.61	968.42		
855+00	968.64	968.62	968.43		
+25	968.75	968.61	968.42		
+50	968.90	968.68	968.45		
+75	969.10	968.82	968.54		
856+00	969.33	968.99	968.66		
+25	969.61	969.22	968.83		
+50	969.92	969.47	969.02		
+75	970.28	969.77	969.27		
857+00	970.67	970.11	969.55		
+25	971.11	970.49	969.88		
+50	971.59	970.91	970.24		
+75	972.11	971.38	970.65		
858+00	972.64	971.85	971.07		
+25	973.18	972.34	971.50		
+50	973.72	972.82	971.92		
+75	974.24	973.28	972.33		
859+00	974.76	973.76	972.77		
+25	975.27	974.27	973.28		
+50	975.77	974.77	973.78		
-75	976.25	975.25	974.26		
860+00	976.73	975.73	974.74		
+25	977.21	976.21	975.22		
+50	977.67	976.67	975.68		
+75	978.11	977.11	976.12		
861+00	978.55	977.55	976.56		
+25	978.98	977.98	976.99		
+50	979.40	978.38	977.41		
+75	979.81	978.81	977.82		
862+00	980.21	979.21	978.22		
+25	980.60	979.60	978.61		
+50	980.97	979.97	978.98		
+75	981.35	980.35	979.36		
863+00	981.71	980.71	979.72		
+25	982.05	981.05	980.06		
+50	982.40	981.40	980.42		
+75	982.73	981.78	980.86		
864+00	983.05	982.16	981.29		
+25	983.36	982.53	981.72		
+50	983.66	982.88	982.13		
+75	983.95	983.23	982.53		
865+00	984.24	983.58	982.93		
+25	984.50	983.90	983.31		
+50	984.77	984.22	983.69		
+75	985.02	984.53	984.05		
866+00	985.26	984.83	984.40		
+25	985.49	985.12	984.75		
+50	985.72	985.40	985.09		
+75	985.93	985.67	985.41		
867+00	986.13	985.93	985.72		
+25	986.32	986.23	985.94		
+75	986.60	986.64	986.45		
868+00	986.77	986.87	986.68		
+25	986.93	987.10	986.91		
+50	987.07	987.26	987.07		

SUPERELEVATION TABLES

FED. RD. DIVISION	STATE	PROJECT	
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WAYNE & SUMMIT COUNTIES
WAY.-5- 15.78
SUM.-5- 0.00

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+75	982.28	982.47	982.28		
881+00	981.93	982.10	981.91		
+25	981.62	981.73	981.54		
+50	981.32	981.36	981.17		
+75	981.02	980.99	980.80		
882+00	980.75	980.62	980.43		
+25	980.47	980.27	980.06		
+50	980.20	979.94	979.69		
+75	979.92	979.62	979.32		
883+00	979.65	979.30	978.95		
+25	979.36	978.97	978.59		
+50	979.00	978.61	978.23		
+75	978.66	978.27	977.89		
884+00	978.33	977.94	977.56		
+25	978.01	977.62	977.24		
+50	977.70	977.31	976.93		
+75	977.40	977.01	976.63		
885+00	977.12	976.73	976.35		
+25	976.84	976.45	976.07		
+50	976.58	976.19	975.81		
+75	976.30	975.91	975.53		
886+00	976.09	975.70	975.32		
+25	975.86	975.47	975.09		
+50	975.64	975.25	974.87		
+75	975.43	975.04	974.66		
887+00	975.23	974.84	974.46		
+25	975.05	974.66	974.28		
+50	974.87	974.48	974.10		
+75	974.71	974.32	973.96		
888+00	974.56	974.17	973.79		
+25	974.42	974.03	973.65		
+50	974.29	973.90	973.52		
+75	974.17	973.78	973.40		
889+00	974.06	973.67	973.29		
+25	973.97	973.58	973.20		
+50	973.88	973.49	973.11		
+75	973.81	973.42	973.04		
890+00	973.75	973.36	972.98		
+25	973.70	973.31	972.93		
+50	973.66	973.27	972.89		
+75	973.63	973.24	972.86		
891+00	973.61	973.22	972.84		
+25	973.60	973.21	972.83		
+50	973.61	973.22	972.84		
+75	973.62	973.23	972.85		
892+00	973.65	973.26	972.88		
+25	973.69	973.30	972.92		
+50	973.74	973.35	972.97		
+75	973.80	973.41	973.03		
893+00	973.87	973.48	973.10		
+25	973.96	973.57	973.19		
+50	974.05	973.66	973.28		
+75	974.16	973.77	973.19		
894+00	974.28	973.89	973.51		
+25	974.41	974.02	973.64		
+50	974.54	974.15	973.77		
+75	974.70	974.31	973.93		
895+00	974.75	974.46	974.08		
+25	975.03	974.64	974.26		
+50	975.21	974.82	974.44		
+75	975.41	975.02	974.64		
896+00	975.61	975.22	974.84		
+25	975.83	975.44	975.06		
+50	976.06	975.67	975.29		
+75	976.29	975.90	975.52		
897+00	976.55	976.16	975.78		
+25	976.82	976.43	976.05		

RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+75	982.28	982.47	982.28		
881+00	981.91	982.08	981.89		
+25	981.54	981.65	981.46		
+50	981.17	981.21	981.02		
+75	980.80	980.78	980.59		
882+00	980.43	980.30	980.11		
+25	980.06	979.85	979.65		
+50	979.69	979.44	979.18		
+75	979.32	979.02	978.72		
883+00	978.95	978.60	978.25		
+25	978.59	978.21	977.83		
+50	978.23	977.85	977.47		
+75	977.89	977.51	977.05		
884+00	977.56	977.18	976.80		
+25	977.24	976.86	976.48		
+50	976.93	976.55	976.17		
+75	976.63	976.25	975.87		
885+00	976.35	975.97	975.59		
+25	976.07	975.69	975.31		
+50	975.81	975.43	975.05		
+75	975.53	975.15	974.77		
886+00	975.32	974.94	974.56		
+25	975.09	974.71	974.33		
+50	974.87	974.49	974.11		
+75	974.66	974.28	973.90		
887+00	974.46	974.08	973.70		
+25	974.28	973.90	973.52		
+50	974.10	973.72	973.34		
+75	973.96	973.56	973.18		
888+00	973.79	973.41	973.03		
+25	973.65	973.27	972.89		
+50	973.52	973.14	972.76		
+75	973.40	973.02	972.64		
889+00	973.29	972.91	972.53		
+25	973.20	972.82	972.44		
+50	973.11	972.73	972.35		
+75	973.04	972.66	972.28		
890+00	972.98	972.60	972.22		
+25	972.93	972.55	972.17		
+50	972.88	972.51	972.13		
+75	972.86	972.48	972.10		
891+00	972.84	972.46	972.08		
+25	972.83	972.45	972.07		
+50	972.84	972.46	972.08		
+75	972.85	972.47	972.09		
892+00	972.88	972.50	972.12		
+25	972.92	972.54	972.16		
+50	972.97	972.59	972.21		
+75	973.03	972.65	972.27		
893+00	973.10	972.72	972.34		
+25	973.18	972.81	972.43		
+50	973.28	972.90	972.52		
+75	973.39	973.01	972.63		
894+00	973.51	973.13	972.75		
+25	973.64	973.26	972.88		
+50	973.77	973.39	973.01		
+75	973.93	973.55	973.17		
895+00	974.08	973.70	973.32		
+25	974.26	973.88	973.50		
+50	974.44	974.06	973.68		
+75	974.64	974.26	973.88		
896+00	974.84	974.46	974.08		
+25	975.06	974.68	974.30		
+50	975.29	974.91	974.53		
+75	975.52	975.14	974.78		
897+00	975.78	975.40	975.02		
+25	976.05	975.87	975.29		

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+50	977.09	976.70	976.32		
+75	977.37	976.60	976.60		
898+00	977.67	977.27	976.90		
+25	977.98	977.59	977.21		
+50	978.29	977.90	977.52		
+75	978.62	978.23	977.85		
899+00	978.96	978.57	978.19		
+25	979.32	978.93	978.55		
+50	979.71	979.32	978.94		
+75	980.05	979.66	979.28		
900+00	980.44	980.05	979.67		
+25	980.84	980.45	980.07		
+50	981.27	980.88	980.50		
+75	981.66	981.27	980.89		
901+00	982.09	981.70	981.32		
+25	982.54	982.15	981.77		
+50	982.99	982.60	982.22		
+75	983.45	983.06	982.68		
902+00	983.93	983.54	983.16		
+25	984.42	984.03	983.65		
+50	984.91	984.52	984.14		
+75	985.41	985.02	984.64		
903+00	985.94	985.55	984.77		
+25	986.47	986.08	985.70		
+50	987.01	986.62	986.24		
+75	987.56	987.17	986.79		
904+00	988.13	987.74	987.36		
+25	988.71	988.32	987.94		
+50	989.29	988.90	988 52		
+75	989.89	989.50	989.12		
905+00	990.50	990.11	989.73		
+25	991.07	990.71	990.35		
+50	991.58	991.27	990.96		
+75	992.10	991.84	991.58		
906+00	992.62	992.40	992.19		
+25	993.14	993.00	992.81		
+50	993.65	993.61	993.42		
+75	994.20	994.23	994.04		
907+00	994.74	994.84	994.65		
+25	995.30	995.46	995.27		
+50	995.88	996.07	995.88		

RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+50	977.32	976.32	975.56		
+75	976.70	976.22	975.84		
898+00	976.90	976.52	976.14		
+25	977.21	976.83	976.45		
+50	977.52	977.14	976.76		
+75	977.85	977.47	977.09		
899+00	978.19	977.81	977.43		
+25	978.55	978.17	977.79		
+50	978.94	978.56	978.18		
+75	979.28	978.90	978.52		
900+00	979.67	979.29	978.91		
+25	980.07	979.69	979.31		
+50	980.50	980.12	979.74		
+75	980.89	980.51	980.13		
901+00	981.32	980.94	980.56		
+25	981.77	981.39	981.01		
+50	982.22	981.84	981.46		
+75	982.68	982.30	981.92		
902+00	983.16	982.78	982.40		
+25	983.65	983.27	982.89		
+50	984.14	983.76	983.38		
+75	984.64	984.26	983.88		
903+00	985.17	984.79	984.41		
+25	985.70	985.32	984.94		
+50	986.24	985.86	985.48		
+75	986.79	986.41	986.03		
904+00	987.36	986.98	986.60		
+25	987.94	987.56	987.18		
+50	988.52	988.14	987.76		
+75	989.12	988.74	988.36		
905+00	989.73	989.35	988.97		
+25	990.35	989.99	989.64		
+50	990.98	990.65	990.34		
+75	991.58	991.32	991.06		
906+00	992.19	991.98	991.76		
+25	992.81	992.67	992.48		
+50	993.42	993.38	993.19		
+75	994.04	994.07	993.88		
907+00	994.65	994.75	994.56		
+25	995.27	995.43	995.24		
+50	995.88	996.07	995.88		

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+75	1057.03	1057.22	1057.03		
932+00	1057.66	1057.85	1057.71		
+25	1058.28	1058.47	1058.39		
+50	1058.89	1059.08	1059.07		
+75	1059.49	1059.68	1059.75		
933+00	1060.09	1060.28	1060.43		
+25	1060.68	1060.90	1061.11		
+50	1061.28	1061.53	1061.79		
+75	1061.87	1062.17	1062.47		
934+00	1062.47	1062.81	1063.15		
+25	1063.06	1063.45	1063.83		
+50	1063.66	1064.08	1064.51		
+75	1064.25	1064.72	1065.19		
935+00	1064.85	1065.38	1065.87		
+25	1065.44	1066.00	1066.55		
+50	1066.04	1066.63	1067.23		
+75	1066.63	1067.27	1067.91		
936+00	1067.23	1067.91	1068.59		
+25	1067.82	1068.55	1069.27		
+50	1068.42	1069.18	1069.95		
+75	1069.08	1069.86	1070.63		
937+00	1069.76	1070.54	1071.31		
+25	1070.44	1071.22	1071.99		
+50	1071.12	1071.90	1072.67		
+75	1071.80	1072.58	1073.35		
938+00	1072.48	1073.26	1074.03		
+25	1073.16	1073.94	1074.71		
+50	1073.84	1074.62	1075.39		
+75	1074.52	1075.30	1076.07		
939+00	1075.20	1075.98	1076.75		
+25	1075.88	1076.68	1077.43		
+50	1076.56	1077.34	1078.11		
+75	1077.24	1078.02	1078.79		
940+00	1077.92	1078.70	1079.47		
+25	1078.60	1079.38	1080.15		
+50	1079.28	1080.06	1080.83		
+75	1079.96	1080.74	1081.51		
941+00	1080.64	1081.42	1082.19		
+25	1081.32	1082.10	1082.87		
+50	1082.00	1082.78	1083.55		
+75	1082.68	1083.46	1084.23		
942+00	1083.36	1084.14	1084.91		
+25	1084.04	1084.82	1085.59		
+50	1084.72	1085.50	1086.27		
+75	1085.40	1086.18	1086.95		
943+00	1086.08	1086.86	1087.63		
+25	1086.76	1087.54	1088.31		
+50	1087.44	1088.22	1088.99		
+75	1088.12	1088.90	1089.67		
944+00	1088.80	1089.58	1090.35		
+25	1089.48	1090.26	1091.03		
+50	1090.16	1090.94	1091.71		
+75	1090.84	1091.62	1092.39		
945+00	1091.52	1092.30	1093.07		
+25	1092.20	1092.98	1093.75		
+50	1092.88	1093.66	1094.43		
+75	1093.56	1094.34	1095.11		
946+00	1094.24	1095.02	1095.79		
+25	1094.92	1095.70	1096.47		
+50	1095.60	1096.38	1097.15		
+75	1096.28	1097.06	1097.83		
947+00	1096.96	1097.74	1098.51		
+25	1097.64	1098.42	1099.19		
+50	1098.32	1099.10	1099.87		
+75	1099.00	1099.78	1100.55		
948+00	1099.68	1100.46	1101.23		
+25	1100.36	1101.14	1101.91		

RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+75	1057.03	1057.22	1057.03		
932+00	1057.71	1057.90	1057.76		
+25	1058.39	1058.58	1058.51		
+50	1059.07	1059.26	1059.25		
+75	1059.75	1059.94	1060.01		
933+00	1060.43	1060.62	1060.77		
+25	1061.11	1061.32	1061.54		
+50	1061.79	1062.05	1062.30		
+75	1062.47	1062.77	1063.07		
934+00	1063.15	1063.49	1063.83		
+25	1063.83	1064.21	1064.60		
+50	1064.51	1064.94	1065.36		
+75	1065.19	1065.68	1066.13		
935+00	1065.87	1066.38	1068.89		
+25	1066.55	1067.10	1067.66		
+50	1067.23	1067.83	1068.42		
+75	1067.91	1068.55	1069.18		
936+00	1068.59	1069.27	1069.95		
+25	1069.27	1069.99	1070.72		
+50	1069.95	1070.71	1071.48		
+75	1070.63	1071.40	1072.17		
937+00	1071.31	1072.08	1072.85		
+25	1071.99	1072.76	1073.53		
+50	1072.67	1073.44	1074.21		
+75	1073.35	1074.12	1074.89		
938+00	1074.03	1074.80	1075.57		
+25	1074.71	1075.48	1076.25		
+50	1075.39	1076.16	1076.93		
+75	1076.07	1076.84	1077.61		
939+00	1076.75	1077.52	1078.29		
+25	1077.43	1078.20	1078.97		
+50	1078.11	1078.88	1079.65		
+75	1078.79	1079.56	1080.33		
940+00	1079.47	1080.24	1081.01		
+25	1080.15	1080.92	1081.69		
+50	1080.83	1081.60	1082.37		
+75	1081.51	1082.28	1083.05		
941+00	1082.19	1082.96	1083.73		
+25	1082.87	1083.64	1084.41		
+50	1083.55	1084.32	1085.09		
+75	1084.23	1085.00	1085.77		
942+00	1084.91	1085.68	1086.45		
+25	1085.59	1086.36	1087.13		
+50	1086.27	1087.04	1087.81		
+75	1086.95	1087.72	1088.49		
943+00	1087.63	1088.40	1089.17		
+25	1088.31	1089.08	1089.85		
+50	1088.99	1089.76	1090.53		
+75	1089.67	1090.44	1091.21		
944+00	1090.35	1091.12	1091.89		
+25	1091.03	1091.80	1092.57		
+50	1091.71	1092.48	1093.25		
+75	1092.39	1093.16	1093.93		
945+00	1093.07	1093.84	1094.61		
+25	1093.75	1094.52	1095.29		
+50	1094.43	1095.20	1095.97		
+75	1095.11	1095.88	1098.65		
946+00	1095.79	1096.56	1097.33		
+25	1096.47	1097.24	1098.01		
+50	1097.15	1097.92	1098.69		
+75	1097.83	1098.60	1099.37		
947+00	1098.51	1099.28	1100.06		
+25	1099.19	1099.96	1100.73		
+50	1099.87	1100.64	1101.41		
+75	1100.55	1101.32	1102.09		
948+00	1101.23	1102.00	1102.77		
+25	1101.91	1102.68	1103.45		

SUPERELEVATION TABLES

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+50	1101.04	1101.82	1102.59		
+75	1101.72	1102.50	1103.27		
949+00	1102.40	1103.18	1103.95		
+25	1103.08	1103.86	1104.63		
+50	1103.76	1104.54	1105.31		
+75	1104.44	1105.22	1105.99		
950+00	1105.12	1105.90	1106.67		
+25	1105.80	1106.58	1107.35		
+50	1106.48	1107.26	1108.03		
+75	1107.16	1107.94	1108.71		
951+00	1107.84	1108.62	1109.39		
+25	1108.52	1109.30	1110.07		
+50	1109.20	1109.98	1110.75		
+75	1109.88	1110.66	1111.43		
952+00	1110.56	1111.34	1112.11		
+25	1111.24	1112.02	1112.79		
+50	1111.92	1112.70	1113.47		
+75	1112.60	1113.38	1114.15		
953+00	1113.28	1114.06	1114.83		
+25	1114.04	1114.77	1115.51		
+50	1114.80	1115.50	1116.19		
+75	1115.57	1116.22	1116.87		
954+00	1116.33	1116.94	1117.55		
+25	1117.10	1117.66	1118.23		
+50	1117.86	1118.39	1118.91		
+75	1118.63	1119.11	1119.59		
955+00	1119.39	1119.83	1120.27		
+25	1120.16	1120.55	1120.95		
+50	1120.92	1121.28	1121.63		
+75	1121.69	1122.00	1122.31		
956+00	1122.45	1122.72	1122.99		
+25	1123.21	1123.43	1123.66		
+50	1123.98	1124.15	1124.33		
+75	1124.70	1124.89	1124.98		
957+00	1125.41	1125.60	1125.61		
+25	1126.13	1126.32	1126.26		
+50	1126.79	1126.98	1126.86		
+75	1127.45	1127.64	1127.46		
958+00	1128.05	1128.24	1128.05		

RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+50	1102.59	1103.36	1104.13		
+75	1103.27	1104.04	1104.81		
949+00	1103.95	1104.72	1105.49		
+25	1104.63	1105.40	1106.17		
+50	1105.31	1106.08	1106.85		
+75	1105.99	1106.76	1107.53		
950+00	1106.67	1107.44	1108.21		
+25	1107.35	1108.12	1108.89		
+50	1108.03	1108.80	1109.57		
+75	1108.71	1109.48	1110.25		
951+00	1109.39	1110.16	1110.93		
+25	1110.07	1110.84	1111.61		
+50	1110.75	1111.52	1112.29		
+75	1111.43	1112.20	1112.97		
952+00	1112.11	1112.88	1113.65		
+25	1112.79	1113.56	1114.33		
+50	1113.47	1114.24	1115.01		
+75	1114.15	1114.92	1115.89		
953+00	1114.83	1115.60	1116.37		
+25	1115.51	1116.25	1116.98		
+50	1116.19	1116.88	1117.56		
+75	1116.87	1117.52	1118.17		
954+00	1117.55	1118.16	1118.77		
+25	1118.23	1118.80	1119.36		
+50	1118.91	1119.43	1119.96		
+75	1119.59	1120.07	1120.55		
955+00	1120.27	1120.71	1121.15		
+25	1120.95	1121.35	1121.74		
+50	1121.63	1121.98	1122.34		
+75	1122.31	1122.62	1122.93		
956+00	1122.99	1123.26	1123.53		
+25	1123.66	1123.89	1124.11		
+50	1124.33	1124.52	1124.70		
+75	1124.98	1125.17	1125.26		
957+00	1125.61	1125.80	1125.81		
+25	1126.26	1126.45	1126.39		
+50	1126.86	1127.05	1126.93		
+75	1127.46	1127.65	1127.47		
958+00	1128.05	1128.24	1128.05		

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+25	1188.91	1189.10	1188.91		
+50	1189.57	1189.72	1189.53		
+75	1190.26	1190.34	1190.15		
994+00	1190.94	1190.96	1190.77		
+25	1191.64	1191.58	1191.39		
+50	1192.34	1192.20	1192.01		
+75	1193.04	1192.84	1192.63		
995+00	1193.75	1193.50	1193.25		
+25	1194.45	1194.16	1193.87		
+50	1195.16	1194.82	1194.49		
+75	1195.86	1195.49	1195.11		
996+00	1196.56	1196.15	1195.73		
+25	1197.27	1196.81	1196.35		
+50	1197.97	1197.47	1196.97		
+75	1198.68	1198.13	1197.59		
997+00	1199.38	1198.80	1198.21		
+25	1200.09	1199.46	1198.83		
+50	1200.79	1200.12	1199.45		
+75	1201.49	1200.78	1200.07		
998+00	1202.20	1201.44	1200.69		
+25	1202.85	1202.08	1201.31		
+50	1203.47	1202.70	1201.93		
+75	1204.09	1203.32	1202.55		
999+00	1204.71	1203.94	1203.17		
+25	1205.33	1204.56	1203.79		
+50	1205.95	1205.18	1204.41		
+75	1206.57	1205.80	1205.03		
1000+00	1207.19	1206.42	1205.65		
+25	1207.81	1207.04	1206.27		
+50	1208.43	1207.66	1206.89		
+75	1209.05	1208.28	1207.51		
1001+00	1209.67	1208.90	1208.13		
+25	1210.29	1209.52	1208.75		
+50	1210.91	1210.14	1209.37		
+75	1211.53	1210.76	1209.99		
1002+00	1212.15	1211.38	1210.61		
+25	1212.77	1212.00	1211.23		
+50	1213.39	1212.62	1211.85		
+75	1214.01	1213.24	1212.47		
1003+00	1214.63	1213.86	1213.09		
+25	1215.25	1214.48	1213.71		
+50	1215.87	1215.10	1214.33		
+75	1216.49	1215.72	1214.95		
1004+00	1217.11	1216.34	1215.57		
+25	1217.73	1216.96	1216.19		
+50	1218.35	1217.58	1216.81		
+75	1218.96	1218.19	1217.42		
1005+00	1219.57	1218.80	1218.03		
+25	1220.16	1219.39	1218.62		
+50	1220.74	1219.97	1219.20		
+75	1221.33	1220.56	1219.79		
1006+00	1221.87	1221.10	1220.33		
+25	1222.41	1221.64	1220.87		
+50	1222.95	1222.18	1221.41		
+75	1223.47	1222.70	1221.93		
1007+00	1223.99	1223.22	1222.45		
+25	1224.49	1223.72	1222.95		
+50	1224.98	1224.21	1223.44		
+75	1225.46	1224.69	1223.92		
1008+00	1225.93	1225.16	1224.39		
+25	1226.38	1225.61	1224.84		
+50	1226.83	1226.06	1225.29		
+75	1227.26	1226.49	1225.72		
1009+00	1227.69	1226.92	1226.15		
+25	1228.10	1227.33	1226.56		
+50	1228.50	1227.73	1226.96		
+75	1228.89	1228.12	1227.35		

RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+25	1188.91	1189.10	1188.91		
+50	1189.53	1189.68	1189.49		
+75	1190.15	1190.24	1190.05		
994+00	1190.77	1190.79	1190.60		
+25	1191.39	1191.33	1191.14		
+50	1192.01	1191.87	1191.68		
+75	1192.63	1192.42	1192.22		
995+00	1193.25	1193.00	1192.75		
+25	1193.87	1193.58	1193.29		
+50	1194.49	1194.16	1193.82		
+75	1195.11	1194.73	1194.36		
996+00	1195.73	1195.31	1194.90		
+25	1196.35	1195.89	1195.43		
+50	1196.97	1196.47	1195.97		
+75	1197.59	1197.05	1196.50		
997+00	1198.21	1197.62	1197.04		
+25	1198.83	1198.20	1197.57		
+50	1199.45	1198.78	1198.11		
+75	1200.07	1199.36	1198.65		
998+00	1200.69	1199.94	1199.18		
+25	1201.31	1200.54	1199.77		
+50	1201.93	1201.16	1200.39		
+75	1202.55	1201.78	1201.01		
999+00	1203.17	1202.40	1201.63		
+25	1203.79	1203.02	1202.25		
+50	1204.41	1203.64	1202.87		
+75	1205.03	1204.26	1203.49		
1000+00	1205.65	1204.88	1204.11		
+25	1206.27	1205.50	1204.73		
+50	1206.89	1206.12	1205.35		
+75	1207.51	1206.74	1205.97		
1001+00	1208.13	1207.36	1206.59		
+25	1208.75	1207.98	1207.21		
+50	1209.37	1208.60	1207.83		
+75	1209.99	1209.22	1208.45		
1002+00	1210.61	1209.84	1209.07		
+25	1211.23	1210.46	1209.69		
+50	1211.85	1211.08	1210.31		
+75	1212.47	1211.70	1210.93		
1003+00	1213.09	1212.32	1211.55		
+25	1213.71	1212.94	1212.17		
+50	1214.33	1213.56	1212.79		
+75	1214.95	1214.18	1213.41		
1004+00	1215.57	1214.80	1214.03		
+25	1216.19	1215.42	1214.65		
+50	1216.81	1216.04	1215.27		
+75	1217.42	1216.65	1215.88		
1005+00	1218.03	1217.26	1216.49		
+25	1218.62	1217.85	1217.08		
+50	1219.20	1218.43	1217.66		
+75	1219.79	1219.02	1218.25		
1006+00	1220.33	1219.56	1218.79		
+25	1220.87	1220.10	1219.33		
+50	1221.41	1220.64	1219.87		
+75	1221.93	1221.16	1220.39		
1007+00	1222.45	1221.68	1220.91		
+25	1222.95	1222.18	1221.41		
+50	1223.44	1222.67	1221.90		
+75	1223.92	1223.15	1222.38		
1008+00	1224.39	1223.62	1222.85		
+25	1224.84	1224.07	1223.30		
+50	1225.29	1224.52	1223.75		
+75	1225.72	1224.95	1224.18		
1009+00	1226.15	1225.38	1224.61		
+25	1226.56	1225.79	1225.02		
+50	1226.96	1226.19	1225.42		
+75	1227.35	1226.58	1225.81		

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
1010+00	1229.27	1228.50	1227.73		
+25	1229.63	1228.86	1228.09		
+50	1229.99	1229.22	1228.45		
+75	1230.33	1229.56	1228.79		
1011+00	1230.67	1229.90	1229.13		
+25	1230.99	1230.22	1229.45		
+50	1231.30	1230.53	1229.76		
+75	1231.60	1230.83	1230.06		
1012+00	1231.89	1231.12	1230.35		
+25	1232.16	1231.39	1230.62		
+50	1232.43	1231.66	1230.89		
+75	1232.68	1231.91	1231.14		
1013+00	1232.93	1232.16	1231.39		
+25	1233.26	1232.49	1231.72		
+50	1233.38	1232.61	1231.84		
+75	1233.59	1232.82	1232.05		
1014+00	1233.79	1233.02	1232.25		
+25	1233.97	1233.20	1232.43		
+50	1234.15	1233.38	1232.61		
+75	1234.31	1233.54	1232.77		
1015+00	1234.47	1233.70	1232.93		
+25	1234.61	1233.84	1233.07		
+50	1234.74	1233.97	1233.20		
+75	1234.86	1234.09	1233.32		
1016+00	1234.97	1234.20	1233.43		
+25	1235.06	1234.29	1233.52		
+50	1235.15	1234.38	1233.61		
+75	1235.22	1234.45	1233.68		
1017+00	1235.25	1234.50	1233.75		
+25	1235.21	1234.51	1233.80		
+50	1235.17	1234.50	1233.84		
+75	1235.12	1234.49	1233.87		
1018+00	1235.06	1234.48	1233.90		
+25	1234.99	1234.45	1233.91		
+50	1234.89	1234.40	1233.90		
+75	1234.80	1234.34	1233.89		
1019+00	1234.70	1234.28	1233.87		
+25	1234.57	1234.20	1233.83		
+50	1234.44	1234.11	1233.78		
+75	1234.30	1234.02	1233.73		
1020+00	1234.15	1233.90	1233.66		
+25	1233.98	1233.77	1233.57		
+50	1233.81	1233.68	1233.49		
+75	1233.62	1233.57	1233.38		
1021+00	1233.31	1233.38	1233.19		
+25	1233.13	1233.26	1233.07		
+50	1232.89	1233.08	1232.89		

RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
1010+00	1227.73	1226.96	1226.19		
+25	1228.09	1227.32	1226.55		
+50	1228.45	1227.68	1226.91		
+75	1228.79	1228.02	1227.25		
1011+00	1229.13	1228.36	1227.59		
+25	1229.45	1228.68	1227.91		
+50	1229.76	1228.99	1228.22		
+75	1230.06	1229.29	1228.52		
1012+00	1230.35	1229.58	1228.81		
+25	1230.62	1229.85	1229.08		
+50	1230.89	1230.12	1229.35		
+75	1231.14	1230.37	1229.60		
1013+00	1231.39	1230.62	1229.85		
+25	1231.72	1230.95	1230.18		
+50	1291.84	1231.07	1230.30		
+75	1232.05	1231.28	1230.51		
1014+00	1232.25	1231.48	1230.71		
+25	1242.43	1231.66	1230.89		
+50	1232.61	1231.84	1231.07		
+75	1232.77	1232.00	1231.23		
1015+00	1232.93	1232.16	1231.39		
+25	1233.07	1232.30	1231.53		
+50	1233.20	1232.43	1231.66		
+75	1233.32	1232.55	1231.78		
1016+00	1233.43	1232.66	1231.89		
+25	1233.52	1232.75	1231.98		
+50	1233.61	1232.84	1232.07		
+75	1233.68	1232.91	1232.14		
1017+00	1233.75	1233.00	1232.25		
+25	1233.80	1233.09	1232.38		
+50	1233.84	1233.17	1232.51		
+75	1233.87	1233.25	1232.62		
1018+00	1233.90	1233.32	1232.74		
+25	1233.91	1233.37	1232.83		
+50	1233.90	1233.40	1232.91		
+75	1233.89	1233.44	1232.98		
1019+00	1233.87	1233.46	1233.04		
+25	1233.83	1233.46	1233.09		
+50	1233.78	1233.45	1233.12		
+75	1233.73	1233.44	1233.16		
1020+00	1233.66	1233.42	1233.16		
+25	1233.57	1233.37	1233.17		
+50	1233.49	1233.36	1233.17		
+75	1233.38	1233.39	1233.19		
1021+00	1233.19	1233.26	1233.07		
+25	1233.07	1233.20	1233.01		
+50	1232.89	1233.08	1232.89		

SUPERELEVATION TABLES

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM.-5-0.00

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE		
1007+25	1224.49	1223.72	1222.95		
+50	1224.98				
+75	1225.46				
1008+00	1225.93				
+25	1226.38				
+50	1226.83				
+75	1227.26				
1009+00	1227.69				
+25	1228.10				
+50	1228.50				
+75	1228.89				
1010+00	1229.27				
+25	1229.63				
+50	1229.99				
+75	1230.33				
1011+00	1230.67				
+25	1230.99				
+50	1231.30				
+75	1231.60				
1012+00	1231.89				
+25	1232.16				
+50	1232.43				
+75	1232.68	1231.91	1231.14		
1013+00	1232.93	1232.16	1231.39		
+25	1233.26	1232.49	1231.72		
+50	1233.38	1232.61	1231.84		
+75	1233.59	1232.82	1232.05		
1014+00	1233.79	1233.02	1232.25		
+25	1233.97	1233.20	1232.43		
+50	1234.15	1233.38	1232.61		
+75	1234.31	1233.54	1232.77		
1015+00	1234.47	1233.70	1232.93		
+25	1234.61	1233.84	1233.07		
+50	1234.74	1233.97	1233.20		
+75	1234.86	1234.08	1233.32		
1016+00	1234.97	1234.20	1233.43		
+25	1235.06	1234.29	1233.52		
+50	1235.15	1234.38	1233.61		
+75	1235.22	1234.45	1233.68		
1017+00	1235.25	1234.50	1233.75		
+25	1235.21	1234.51	1233.80		
+50	1235.17	1234.50	1233.84		
+75	1235.12	1234.49	1233.87		
1018+00	1235.06	1234.48	1233.90		
+25	1234.89	1234.45	1233.91		
+50	1234.89	1234.40	1233.90		
+75	1234.80	1234.34	1233.89		
1019+00	1234.70	1234.28	1233.87		
+25	1234.57	1234.20	1233.83		
+50	1234.44	1234.11	1233.78		
+75	1234.30	1234.02	1233.73		
1020+00	1234.15	1233.90	1233.68		
+25	1233.98	1233.77	1233.57		
+50	1233.81	1233.68	1233.49		
+15	1233.62	1233.57	1233.38		
1021+00	1233.31	1233.38	1233.19		
+25	1233.13	1233.26	1233.07		
+50	1232.89	1233.08	1232.88		

CONNECTION

STATION	LEFT EDGE	℄	RIGHT EDGE		
1007+25	1224.49	1223.72	1222.95		
			1223.43		
			1223.82		
			1224.19		
			1224.54		
			1224.90		
			1225.13		
			1225.56		
			1225.88		
			1226.18		
			1226.48		
			1226.76		
			1227.02		
			1227.29		
			1227.53		
			1227.77		
			1228.00		
			1228.21		
			1228.41		
			1228.61		
			1228.78		
			1228.95		
+75	1231.14	1230.16	1229.18		
10/3+00	1231.39	1230.44	1229.48		
+25	1231.72	1230.79	1229.86		
+50	1231.84	1230.94	1230.04		
+75	1232.05	1231.18	1230.30		
1014+00	1232.25	1231.40	1230.56		
+25	1232.43	1231.61	1230.79		
+50	1232.61	1231.82	1231.03		
+75	1232.77	1232.01	1231.24		
1015+00	1232.93	1232.20	1231.46		
+25	1233.07	1232.36	1231.65		
+50	1233.20	1232.52	1231.84		
+75	1233.32	1232.67	1232.01		
1016+00	1233.43	1232.80	1232.17		
+25	1233.52	1232.92	1232.32		
+50	1233.61	1233.04	1232.46		
+75	1233.68	1233.14	1232.59		
1017+00	1233.75	1233.23	1232.71		
+25	1233.80	1233.31	1232.82		
+50	1233.84	1233.38	1232.91		
+75	1233.87	1233.44	1233.00		
1018+00	1233.90	1233.49	1233.08		
+25	1233.91	1233.52	1233.14		
+50	1233.90	1233.54	1233.19		
+75	1233.89	1233.56	1233.23		
1019+00	1233.87	1233.57	1233.27		
+25	1233.83	1233.56	1233.28		
+50	1233.78	1233.54	1233.29		
+75	1233.73	1233.51	1233.29		
1020+00	1233.66	1233.47	1233.28		
+25	1233.57	1233.41	1233.24		
+50	1233.49	1233.36	1233.22		
+75	1233.38	1233.42	1233.19		
1021+00	1232.19	1233.38	1232.07		
+25	1232.07	1232.26	1232.01		
+50	1232.89	1232.08	1232.89		

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE		
1038+00	1203.85	1204.04	1203.85		
+25	1203.28	1203.47	1203.30		
+50	1202.68	1202.87	1202.76		
+75	1202.08	1202.25	1202.21		
1039+00	1201.44	1201.63	1201.66		
+25	1200.81	1201.00	1201.12		
+50	1200.18	1200.38	1200.57		
+75	1199.55	1199.76	1200.02		
1040+00	1198.91	1199.19	1199.47		
+25	1198.29	1198.61	1198.93		
+50	1197.65	1198.02	1198.38		
+75	1197.02	1197.42	1197.83		
1041+00	1196.39	1196.84	1197.29		
+25	1195.76	1196.25	1196.74		
+50	1195.12	1195.68	1196.18		
+75	1194.50	1195.07	1195.65		
1042+00	1193.85	1194.47	1195.09		
+25	1193.22	1193.88	1194.54		
+50	1192.58	1193.27	1193.97		
+75	1191.90	1192.64	1193.39		
1043+00	1191.27	1192.04	1192.81		
+25	1190.68	1191.45	1192.22		
+50	1190.04	1190.81	1191.58		
+75	1189.41	1190.18	1190.95		
1044+00	1188.78	1189.55	1190.32		
+25	1188.12	1188.89	1189.66		
+50	1187.45	1188.22	1188.99		
+75	1186.78	1187.55	1188.32		
1045+00	1186.09	1186.86	1187.63		
+25	1185.38	1186.15	1186.92		
+50	1184.66	1185.43	1186.20		
+75	1183.94	1184.71	1185.48		
1046+00	1183.20	1183.97	1184.74		
+25	1182.36	1183.15	1183.92		
+50	1181.88	1182.45	1183.22		
+75	1180.90	1181.67	1182.44		
1047+00	1180.11	1180.88	1181.65		
+25	1179.30	1180.07	1180.84		
+50	1178.48	1179.25	1180.02		
+75	1177.65	1178.42	1179.19		
1048+00	1176.81	1177.58	1178.35		
+25	1175.95	1176.72	1177.49		
+50	1175.08	1175.85	1176.62		
+75	1174.20	1174.97	1175.74		
1049+00	1173.31	1174.08	1174.85		
+25	1172.40	1173.17	1173.94		
+50	1171.48	1172.25	1173.02		
+75	1170.57	1171.34	1172.11		
1050+00	1169.61	1170.38	1171.15		
+25	1168.65	1169.42	1170.19		
+50	1167.68	1168.45	1169.22		
+75	1166.70	1167.47	1168.24		
1051+00	1165.71	1166.48	1167.25		
+25	1164.71	1165.48	1166.25		
+50	1163.71	1164.48	1165.25		
+75	1162.71	1163.48	1164.25		
1052+00	1161.71	1162.48	1163.25		
+25	1160.71	1161.48	1162.25		
+50	1159.71	1160.48	1161.25		
+75	1158.71	1159.48	1160.25		
1053+00	1157.71	1158.48	1159.25		
+25	1156.71	1157.48	1158.25		
+50	1155.71	1156.48	1157.25		
+75	1154.71	1155.48	1156.25		
1054+00	1153.71	1154.48	1155.25		
+25	1152.71	1153.48	1154.25		
+50	1151.77	1152.51	1153.25		

RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE		
1038+00	1203.85	1203.04	1203.85		
+25	1203.30	1203.49	1203.32		
+50	1202.76	1202.95	1202.85		
+75	1202.21	1202.40	1202.36		
1039+00	1201.68	1201.85	1201.88		
+25	1201.12	1201.31	1201.43		
+50	1200.57	1200.76	1200.98		
+75	1200.02	1200.26	1200.50		
1040+00	1199.47	1199.25	1200.03		
+25	1198.93	1199.35	1199.58		
+50	1198.38	1198.74	1199.11		
+75	1197.83	1198.24	1198.65		
1041+00	1197.29	1197.74	1198.19		
+25	1196.74	1197.23	1197.73		
+50	1196.18	1196.72	1197.26		
+75	1195.65	1196.23	1196.81		
1042+00	1195.09	1195.71	1196.33		
+25	1194.54	1195.20	1195.87		
+50	1193.97	1194.67	1195.38		
+75	1193.39	1194.14	1194.88		
1043+00	1192.81	1193.58	1194.35		
+25	1192.22	1192.99	1193.76		
+50	1191.58	1192.35	1193.12		
+75	1190.95	1191.72	1192.49		
1044+00	1190.32	1191.09	1191.86		
+25	1189.66	1190.43	1190.20		
+50	1188.99	1189.76	1190.53		
+75	1188.32	1189.09	1189.86		
1045+00	1187.63	1188.40	1188.17		
+25	1186.92	1187.69	1188.46		
+50	1186.20	1186.97	1187.74		
+75	1185.48	1186.25	1186.02		
1046+00	1184.74	1185.51	1186.28		
+25	1183.92	1184.69	1185.46		
+50	1183.22	1183.99	1184.76		
+75	1182.44	1183.21	1183.98		
1047+00	1181.65	1182.42	1183.19		
+25	1180.84	1181.61	1182.38		
+50	1180.02	1180.79	1181.56		
+75	1179.19	1179.96	1180.73		
1048+00	1178.35	1179.12	1179.89		
+25	1177.49	1178.26	1179.03		
+50	1176.62	1177.39	1178.16		
+75	1175.74	1176.51	1177.28		
1049+00	1174.85	1175.62	1176.39		
+25	1173.94	1174.71	1175.48		
+50	1173.02	1173.79	1173.56		
+75	1172.11	1172.88	1173.65		
1050+00	1171.15	1171.92	1171.69		
+25	1170.19	1170.96	1171.73		
+50	1169.22	1169.99	1170.76		
+75	1168.24	1169.01	1169.78		
1051+00	1167.25	1168.02	1168.79		
+25	1166.25	1167.02	1167.79		
+50	1165.25	1166.02	1166.79		
+75	1164.25	1165.02	1165.79		
1052+00	1163.25	1164.02	1164.79		
+25	1162.25	1163.02	1163.79		
+50	1161.25	1162.02	1162.79		
+75	1160.25	1161.02	1161.79		
1053+00	1159.25	1160.02	1160.79		
+25	1158.25	1159.02	1159.79		
+50	1157.25	1158.02	1158.79		
+75	1156.25	1157.02	1157.79		
1054+00	1155.25	1156.02	1156.79		
+25	1154.25	1155.02	1155.79		
+50	1153.25	1153.99	1154.73		

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE		
+75	1050.86	1151.55	1152.25		
1055+00	1049.94	1150.60	1151.25		
+25	1049.03	1149.64	1150.25		
+50	1048.11	1148.68	1149.25		
+75	1047.20	1147.72	1148.25		
1056+00	1046.28	1146.77	1147.25		
+25	1045.37	1145.81	1146.25		
+50	1044.45	1144.85	1145.25		
+75	1043.54	1143.89	1144.25		
1057+00	1042.62	1142.94	1143.25		
+25	1041.71	1141.98	1142.25		
+50	1040.79	1141.02	1141.25		
+75	1039.87	1140.06	1140.25		
1058+00	1038.96	1139.15	1139.25		
+25	1138.04	1138.23	1138.25		
+50	1137.11	1137.30	1137.25		
+75	1136.18	1138.37	1136.25		
1059+00	1135.24	1135.43	1135.25		
+25	1134.25	1134.44	1134.25		

RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE		
+75	1152.25	1152.95	1153.65		
1055+00	1151.25	1151.90	1152.56		
+25	1150.25	1150.88	1151.46		
+50	1149.25	1149.82	1150.39		
+75	1148.25	1148.78	1149.31		
1056+00	1147.25	1147.73	1148.22		
+25	1146.25	1146.69	1147.14		
+50	1145.25	1145.65	1146.05		
+75	1144.25	1144.61	1144.97		
1057+00	1143.25	1143.58	1143.88		
+25	1142.25	1142.52	1142.80		
+50	1141.25	1141.48	1141.71		
+75	1140.25	1140.44	1140.63		
1058+00	1139.25	1139.44	1139.54		
+25	1138.25	1138.44	1138.46		
+50	1137.25	1137.44	1137.39		
+75	1136.25	1136.44	1136.33		
1059+00	1135.25	1135.44	1135.26		
+25	1134.25	1134.44	1134.25		

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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SUPERELEVATION TABLES

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5- 0.00

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+75	1094.33	1094.52	1094.33		
1073+00	1094.55	1094.70	1094.51		
+25	1094.86	1094.94	1094.75		
+50	1095.20	1095.22	1095.03		
+75	1095.59	1095.55	1095.36		
1074+00	1096.03	1095.93	1095.74		
+25	1096.52	1096.36	1096.17		
+50	1097.05	1096.85	1096.64		
+75	1097.64	1097.41	1097.17		
1075+00	1098.27	1098.01	1097.74		
+25	1098.93	1098.66	1098.36		
+50	1099.64	1099.32	1098.99		
+75	1100.44	1100.09	1099.73		
1076+00	1101.24	1100.86	1100.47		
+25	1102.03	1101.62	1101.20		
+50	1102.82	1102.38	1101.93		
+75	1103.61	1103.14	1102.66		
1077+00	1104.41	1103.90	1103.39		
+25	1105.20	1104.66	1104.12		
+50	1105.99	1105.42	1104.85		
+75	1106.73	1106.16	1105.58		
1078+00	1107.46	1106.89	1106.31		
+25	1108.39	1107.82	1107.24		
+50	1109.12	1108.55	1107.97		
+75	1109.85	1109.28	1108.70		
1+00	1110.58	1110.01	1109.43		
+25	1111.31	1110.74	1110.16		
+50	1112.04	1111.47	1110.89		
+75	1112.77	1112.20	1111.62		
2+00	1113.50	1112.93	1112.35		
+25	1114.23	1113.66	1113.08		
+50	1114.98	1114.39	1113.81		
+75	1115.69	1115.12	1114.54		
3+00	1116.42	1115.85	1115.27		
+25	1117.15	1116.58	1116.00		
+50	1117.92	1117.31	1116.73		
+75	1118.71	1118.14	1117.56		
4+00	1119.34	1118.77	1118.19		
+25	1120.07	1119.50	1118.92		
+50	1120.80	1120.23	1119.65		
+75	1121.53	1120.96	1120.38		
5+00	1122.26	1121.69	1121.11		
+25	1122.99	1122.42	1121.84		
+50	1123.72	1123.15	1122.57		
+75	1124.46	1123.88	1123.30		
6+00	1125.18	1124.61	1124.03		
+25	1125.91	1125.34	1124.76		
+50	1126.64	1126.07	1125.49		
+75	1127.37	1126.80	1126.22		
7+00	1128.10	1127.53	1126.95		
+25	1128.83	1128.26	1127.68		
+50	1129.56	1128.99	1128.41		
+75	1130.29	1129.72	1129.14		
8+00	1131.02	1130.45	1129.87		
+25	1131.75	1131.18	1130.60		
+50	1132.46	1131.89	1131.31		
+75	1133.21	1132.64	1132.06		
9+00	1133.94	1133.37	1132.79		
+25	1134.67	1134.10	1133.52		
+50	1135.40	1134.83	1134.25		
+75	1136.13	1135.56	1134.98		
10+00	1136.88	1136.29	1135.71		
+25	1137.59	1137.02	1136.44		
+50	1138.32	1137.75	1137.17		
+75	1139.05	1138.48	1137.90		
11+00	1139.78	1139.21	1138.63		
+25	1140.51	1139.94	1139.36		

RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+75	1094.33	1094.52	1094.33		
1073+00	1094.51	1094.65	1094.46		
+25	1094.75	1094.85	1094.64		
+50	1095.03	1095.05	1094.86		
+75	1095.36	1095.32	1095.13		
1074+00	1095.74	1095.64	1095.45		
+25	1096.17	1096.01	1095.82		
+50	1096.64	1096.43	1096.23		
+75	1097.17	1096.93	1097.70		
1075+00	1097.74	1097.47	1097.21		
+25	1098.36	1098.06	1097.77		
+50	1098.99	1098.66	1098.34		
+75	1099.73	1099.37	1099.02		
1076+00	1100.47	1100.08	1099.70		
+25	1101.20	1100.78	1100.37		
+50	1101.93	1101.48	1101.04		
+75	1102.66	1102.18	1101.71		
1077+00	1103.39	1102.88	1102.37		
+25	1104.12	1103.58	1103.05		
+50	1104.85	1104.28	1103.72		
+75	1105.58	1105.00	1104.43		
1078+00	1106.31	1105.73	1105.16		
+25	1107.24	1106.66	1106.09		
+50	1107.97	1107.39	1106.82		
+75	1108.70	1108.12	1107.55		
1+00	1109.43	1108.85	1108.28		
+25	1110.16	1109.58	1109.01		
+50	1110.89	1110.31	1109.74		
+75	1111.62	1111.04	1110.47		
2+00	1112.35	1111.77	1111.20		
+25	1113.08	1112.50	1111.93		
+50	1113.81	1113.23	1112.66		
+75	1114.54	1113.96	1113.39		
3+00	1115.27	1114.69	1114.12		
+25	1116.00	1115.42	1114.85		
+50	1116.73	1116.15	1115.58		
+75	1117.56	1116.98	1116.41		
4+00	1118.19	1117.61	1117.04		
+25	1118.92	1118.34	1117.77		
+50	1119.65	1119.07	1118.50		
+75	1120.38	1119.80	1119.23		
5+00	1121.11	1120.53	1119.96		
+25	1121.84	1121.26	1120.69		
+50	1122.57	1121.99	1121.42		
+75	1123.30	1122.72	1122.15		
6+00	1124.03	1123.45	1122.88		
+25	1124.76	1124.18	1123.61		
+50	1125.49	1124.91	1124.34		
+75	1126.22	1125.64	1125.07		
7+00	1126.95	1126.37	1125.80		
+25	1127.68	1127.10	1126.53		
+50	1128.41	1127.83	1127.26		
+75	1129.14	1128.56	1127.99		
8+00	1129.87	1129.29	1128.72		
+25	1130.60	1130.02	1129.45		
+50	1131.31	1130.73	1130.16		
+75	1132.06	1131.48	1130.91		
9+00	1132.79	1132.21	1131.64		
+25	1133.52	1132.94	1132.37		
+50	1134.25	1133.67	1133.10		
+75	1134.98	1134.40	1133.83		
10+00	1135.71	1135.13	1134.56		
+25	1136.44	1135.86	1135.29		
+50	1137.17	1136.59	1136.02		
+75	1137.90	1137.32	1136.75		
11+00	1138.63	1138.05	1137.48		
+25	1139.36	1138.78	1138.21		

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+50	1141.24	1140.67	1140.09		
+75	1141.97	1141.40	1140.82		
12+00	1142.70	1142.13	1141.55		
+25	1143.43	1142.86	1142.28		
+50	1144.16	1143.59	1143.01		
+75	1144.89	1144.32	1143.74		
13+00	1145.62	1145.05	1144.47		
+25	1146.35	1146.78	1145.20		
+50	1147.08	1146.51	1145.93		
+75	1147.81	1147.24	1146.66		
14+00	1148.54	1147.97	1146.39		
+25	1149.27	1148.70	1148.12		
+50	1150.00	1149.43	1148.85		
+75	1150.72	1150.15	1149.57		
15+00	1151.43	1150.86	1150.28		
+25	1152.12	1151.55	1150.97		
+50	1152.79	1152.22	1151.64		
+75	1153.45	1152.88	1152.30		
16+00	1154.09	1153.52	1152.94		
+25	1154.71	1154.14	1153.56		
+50	1155.32	1154.75	1154.17		
+75	1155.91	1155.34	1154.76		
17+00	1156.49	1155.92	1155.34		
+25	1157.05	1156.48	1155.90		
+50	1157.60	1157.03	1158.45		
+75	1158.12	1157.55	1158.97		
18+00	1158.63	1158.06	1157.48		
+25	1159.14	1158.57	1157.99		
+50	1159.61	1159.04	1158.46		
+75	1160.05	1159.48	1158.90		
19+00	1160.52	1159.95	1159.37		
+25	1160.95	1160.38	1159.80		
+50	1161.36	1160.79	1160.21		
+75	1161.76	1161.19	1160.61		
20+00	1162.73	1161.57	1161.00		
+25	1162.43	1161.90	1161.36		
+50	1162.72	1162.22	1161.71		
+75	1163.00	1162.53	1162.05		
21+00	1163.25	1162.81	1162.36		
+25	1163.49	1163.08	1162.66		
+50	1163.72	1163.34	1162.95		
+75	1163.93	1163.58	1163.22		
22+00	1164.12	1163.80	1163.47		
+25	1164.30	1164.00	1163.71		
+50	1164.46	1164.20	1163.93		
+75	1164.60	1164.37	1164.13		
23+00	1164.73	1164.53	1164.32		
+25	1164.84	1164.68	1164.49		
+50	1164.94	1164.84	1164.65		
+75	1165.01	1164.97	1164.78		
24+00	1165.08	1165.10	1164.91		
+25	1165.13	1165.21	1165.02		
+50	1165.16	1165.30	1165.11		
+75	1165.18	1165.37	1165.18		

RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+50	1140.09	1139.51	1138.94		
+75	1140.82	1140.24	1139.67		
12+00	1141.55	1140.97	1140.40		
+25	1142.28	1141.70	1141.13		
+50	1143.01	1142.43	1141.86		
+75	1143.74	1143.16	1142.59		
13+00	1144.47	1143.89	1143.32		
+25	1145.20	1144.62	1143.05		
+50	1145.93	1145.35	1144.78		
+75	1146.66	1146.08	1145.51		
14+00	1147.39	1146.81	1146.24		
+25	1148.12	1147.54	1146.97		
+50	1148.85	1148.27	1147.70		
+75	1149.57	1148.99	1148.42		
15+00	1150.28	1149.70	1149.13		
+25	1150.97	1150.39	1149.82		
+50	1151.64	1151.06	1150.49		
+75	1152.30	1151.72	1151.15		
16+00	1152.94	1152.36	1151.79		
+25	1153.56	1152.98	1152.41		
+50	1154.17	1153.59	1153.02		
+75	1154.76	1154.18	1153.61		
17+00	1155.34	1154.76	1154.19		
+25	1155.90	1155.32	1154.75		
+50	1156.45	1155.87	1155.30		
+75	1156.97	1156.39	1155.82		
18+00	1157.48	1156.90	1156.33		
+25	1157.99	1157.41	1156.84		
+50	1158.46	1157.88	1157.31		
+75	1158.90	1158.32	1157.75		
19+00	1159.37	1158.79	1158.22		
+25	1159.80	1159.22	1158.65		
+50	1160.21	1159.63	1159.06		
+75	1160.61	1160.03	1159.46		
20+00	1161.00	1160.43	1159.87		
+25	1161.36	1160.82	1160.29		
+50	1161.71	1161.20	1160.70		
+75	1162.05	1161.57	1161.10		
21+00	1162.36	1161.91	1161.47		
+25	1162.66	1162.24	1161.83		
+50	1162.95	1162.56	1162.18		
+75	1163.22	1162.86	1162.51		
22+00	1163.47	1163.17	1162.82		
+25	1163.71	1163.41	1163.12		
+50	1163.93	1163.66	1163.40		
+75	1164.13	1163.89	1163.66		
23+00	1164.32	1164.11	1163.91		
+25	1164.49	1164.33	1164.14		
+50	1164.65	1164.55	1164.36		
+75	1164.78	1164.74	1164.55		
24+00	1164.91	1164.93	1164.74		
+25	1165.02	1165.10	1164.91		
+50	1165.11	1165.25	1165.06		
+75	1165.18	1165.37	1165.18		

LEFT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+50	1155.10	1155.29	1155.10		
+75	1154.80	1154.99	1154.83		
37+00	1154.49	1154.68	1154.59		
+25	1154.19	1154.38	1154.35		
+50	1153.88	1154.07	1154.14		
+75	1153.58	1153.78	1153.98		
38+00	1153.27	1153.53	1153.79		
+25	1152.96	1153.28	1153.60		
+50	1152.66	1153.01	1153.44		
+75	1152.35	1152.80	1153.26		
39+00	1152.05	1152.55	1153.09		
+25	1151.74	1152.32	1152.91		
+50	1151.44	1152.03	1152.62		
+75	1151.13	1151.72	1152.31		
40+00	1150.84	1151.41	1152.00		
+25	1150.52	1151.11	1151.70		
+50	1150.21	1150.80	1151.39		
+75	1149.91	1150.50	1151.09		
41+00	1149.60	1150.19	1150.78		
+25	1149.30	1149.89	1150.48		
+50	1148.99	1149.58	1150.17		
+75	1148.69	1149.28	1149.87		
42+00	1148.38	1148.97	1149.56		
+25	1148.08	1148.67	1148.26		
+50	1147.77	1148.36	1148.95		
+75	1147.48	1148.05	1148.64		
43+00	1147.16	1147.75	1148.34		
+25	1146.85	1147.44	1148.03		
+50	1146.55	1147.14	1147.73		
+75	1146.24	1146.83	1147.42		
44+00	1145.96	1146.50	1147.05		
+25	1145.67	1146.17	1146.67		
+50	1145.40	1145.86	1146.32		
+75	1145.13	1145.55	1145.96		
45+00	1144.88	1145.25	1145.62		

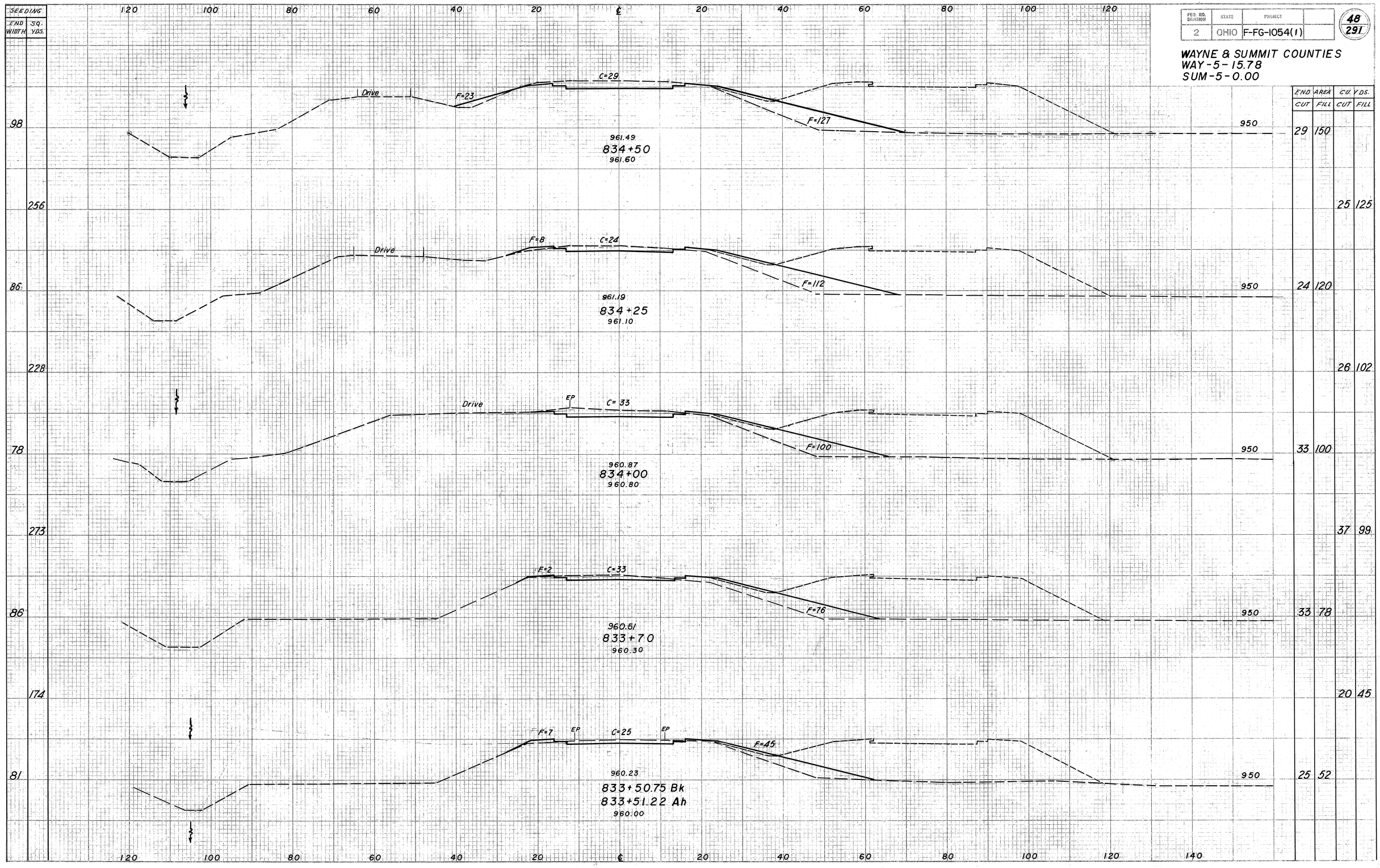
RIGHT LANE

STATION	LEFT EDGE	℄	RIGHT EDGE	STATION ℄ SURVEY	OFFSET NORMAL TO ℄ SURVEY
+75	1155.86	1156.05	1155.86		
36+00	1155.75	1155.94	1155.79		
+25	1155.45	1155.64	1155.55		
+50	1155.15	1155.34	1155.31		
+75	1154.81	1155.00	1155.10		
37+00	1154.48	1154.70	1154.93		
+25	1154.17	1154.48	1154.79		
+50	1153.91	1154.30	1154.89		
+75	1153.65	1154.13	1154.60		
38+00	1153.40	1153.95	1154.51		
+25	1153.25	1153.84	1154.43		
+50	1153.13	1153.72	1154.31		
+75	1153.00	1153.59	1154.18		
39+00	1152.83	1153.42	1154.01		
+25	1152.65	1153.24	1153.83		
+50	1152.46	1153.05	1153.64		
+75	1152.23	1152.82	1153.41		
40+00	1152.00	1152.59	1153.18		
+25	1151.70	1152.29	1152.88		
+50	1151.38	1151.98	1152.57		
+75	1151.09	1151.68	1152.27		
41+00	1150.78	1151.37	1151.96		
+25	1150.46	1151.07	1151.66		
+50	1150.17	1150.76	1151.35		
+75	1149.86	1150.45	1151.04		
42+00	1149.53	1150.12	1150.71		
+25	1149.19	1149.78	1150.37		
+50	1148.86	1149.45	1150.04		
+75	1148.52	1149.11	1149.70		
43+00	1148.25	1148.81	1149.37		
+25	1148.03	1148.53	1149.03		
+50	1147.81	1148.25	1148.69		
+75	1147.57	1147.94	1148.32		
44+00	1147.31	1147.62	1147.93		
+25	1147.01	1147.28	1147.51		
+50	1146.70	1146.89	1147.08		
+75	1146.39	1146.52	1146.64		
45+00	1146.09	1146.15	1146.21		
+25	1145.77	1145.77	1145.77		

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

48
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
29	150		
950			
		25	125
24	120		
950			
		26	102
33	100		
950			
		37	99
33	78		
950			
		20	45
25	52		
950			

Sta. 833 +51.22 to Sta. 834+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

49
291

WAYNE & SUMMIT COUNTIES
WAY - 5-15.78
SUM - 5 - 0.00

SEEDING END WIDTH	SEEDING SQ. YDS.		END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
112	287	963.34 836+00 964.6	950	86	145	84	123
95	258	963.03 835+75 964.0	950	96	120	67	117
91	169	EP EP Drive 962.72 835+50 963.5	950	48	133	30	79
99	351	Drive 962.52 835+34 963.1	950	56	136	68	169
87	514	Drive 962.11 835+00 962.4	950	52	133	75	262

120 100 80 60 40 20 ℄ 20 40 60 80 100 120

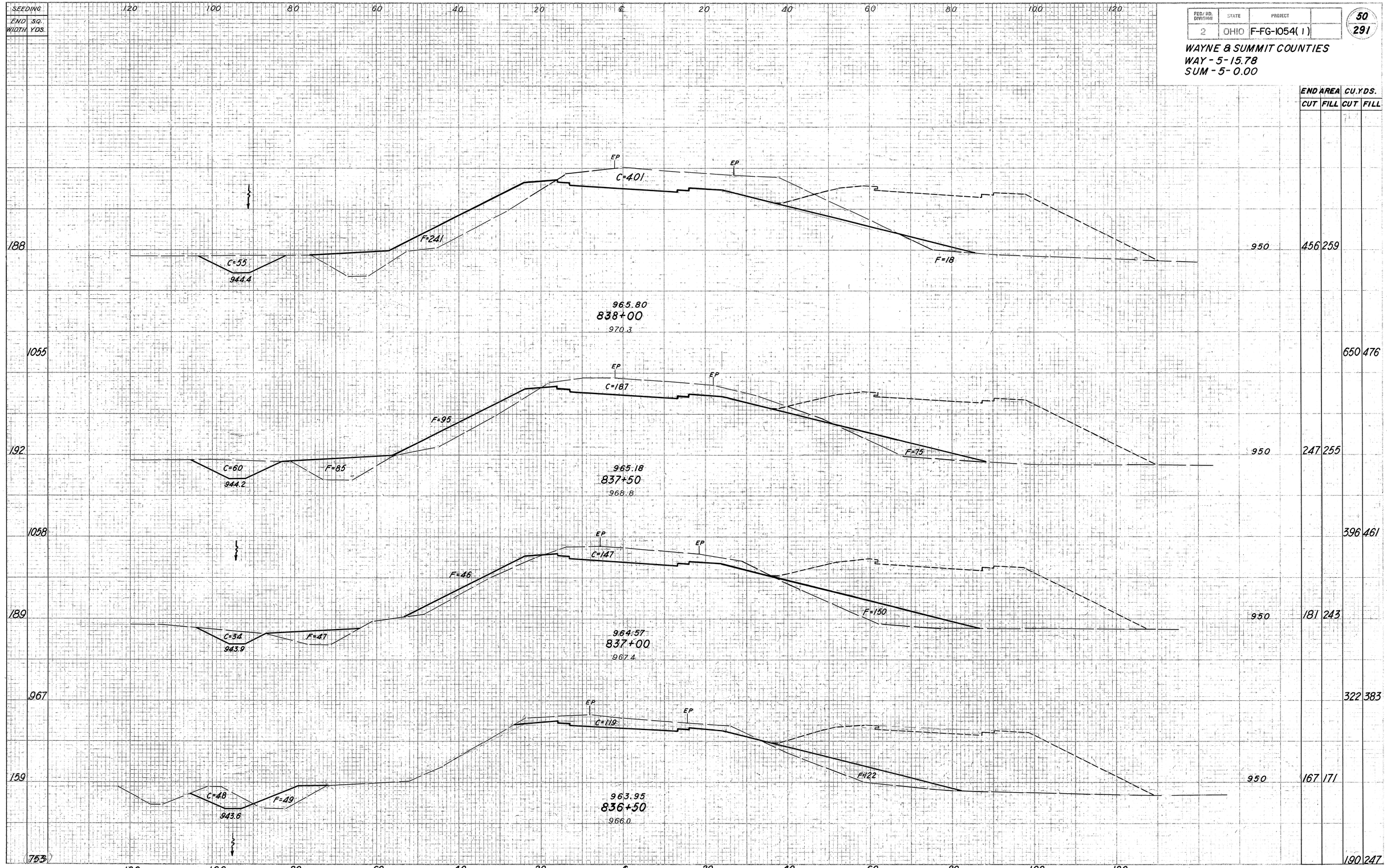
Sta. 835+00 - Sta. 836+00

FED./RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

50
291

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

SEEDING END WIDTH	SEEDING SQ. YDS.
188	1055
192	1058
189	967
159	753



END AREA CUT	END AREA FILL	CU.YDS. CUT	CU.YDS. FILL
950	456	259	
		650	476
950	247	255	
		396	461
950	181	243	
		322	383
950	167	171	
		190	247

Sta. 836+50 - Sta. 838+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

51
291

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
172		960			
		417	660		
				802	1130
939					
		960			
166		449	560		
900					824 954
		960			
158		441	470		
861					754 761
		960			
152		373	352		
944					767 566

120 100 80 60 40 20 ℄ 20 40 60 80 100 120

EP EP C=390 963.8

C=27 947.4

968.26
840+00
964.0

EP EP C=409 963.2

C=40 945.2

967.64
839+50
968.5

EP EP C=403 962.6

C=38 944.9

967.03
839+00
971.4

EP EP C=339 962.0

C=34 944.7

966.41
838+50
970.9

120 100 80 60 40 20 ℄ 20 40 60 80 100 120

Sta. 838+50 - Sta. 840+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

52
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SEEDING SQ. YDS	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
194		960 542	1152		
537				513	1011
		960			
193		566	1032		
528				502	953
		960			
187		519	1027		
1014				966	1755
		960			
178		525	868		
972				873	1415

120 100 80 60 40 20 ℄ 20 40 60 80 100 120

970.00
841+50
954.5
EP
C=531
965.6
C=11
946.2

969.73
841+25
956.6
EP
EP
C=551
965.3
C=15
946.0

969.46
841+00
957.9
EP
EP
C=502
965.0
C=17
945.9

Side Swale Enters

968.87
840+50
960.7
EP
EP
C=519
964.4
C=6
945.7

Sta. 840+50 - Sta. 841+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

53
291

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
165		278	276		
				408	698
751					
		273	667		
173				234	745
407					
160		300	1162		
551				436	1200

120 100 80 60 40 20 ℄ 20 40 60 80 100 120

EP EP C=235 966.4 C=43 959.0 970.85 842+40 965.2 960

EP EP C=259 966.1 C=14 946.4 970.50 842+00 961.1 960

C=297 965.8 C=3 946.3 970.28 841+78 953.0 960

End Type I Poved Gutter
Sta. 841+80
El. 946.3

Dumped Rock
Sta. 841+10 to Sta. 841+80

120 100 80 60 40 20 ℄ 20 40 60 80 100 120

Sta. 841 + 78 - Sta. 842 + 40

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054(1)

54
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SQ. YDS.
106	
561	
96	
461	
141	
425	

END AREA CUT	END AREA FILL	CU. YDS CUT	CU. YDS FILL
	397		
			473 27
		Add for Drive	700
	114 29		
			144 73
	109 83		
			179 166

120 100 80 60 40 20 ℄ 20 40 60 80 100 120

Cemetery F Drive

967.2

971.67
843+50
973.9

960

EP EP

C=31 C=83

964.7

971.33
843+00
970.7

960

C=38

C=71

963.0

Begin Type I Paved Gutter
Sta. 842+50

971.05
842+65
968.8

960

Sta. 842+65 - Sta. 843+50

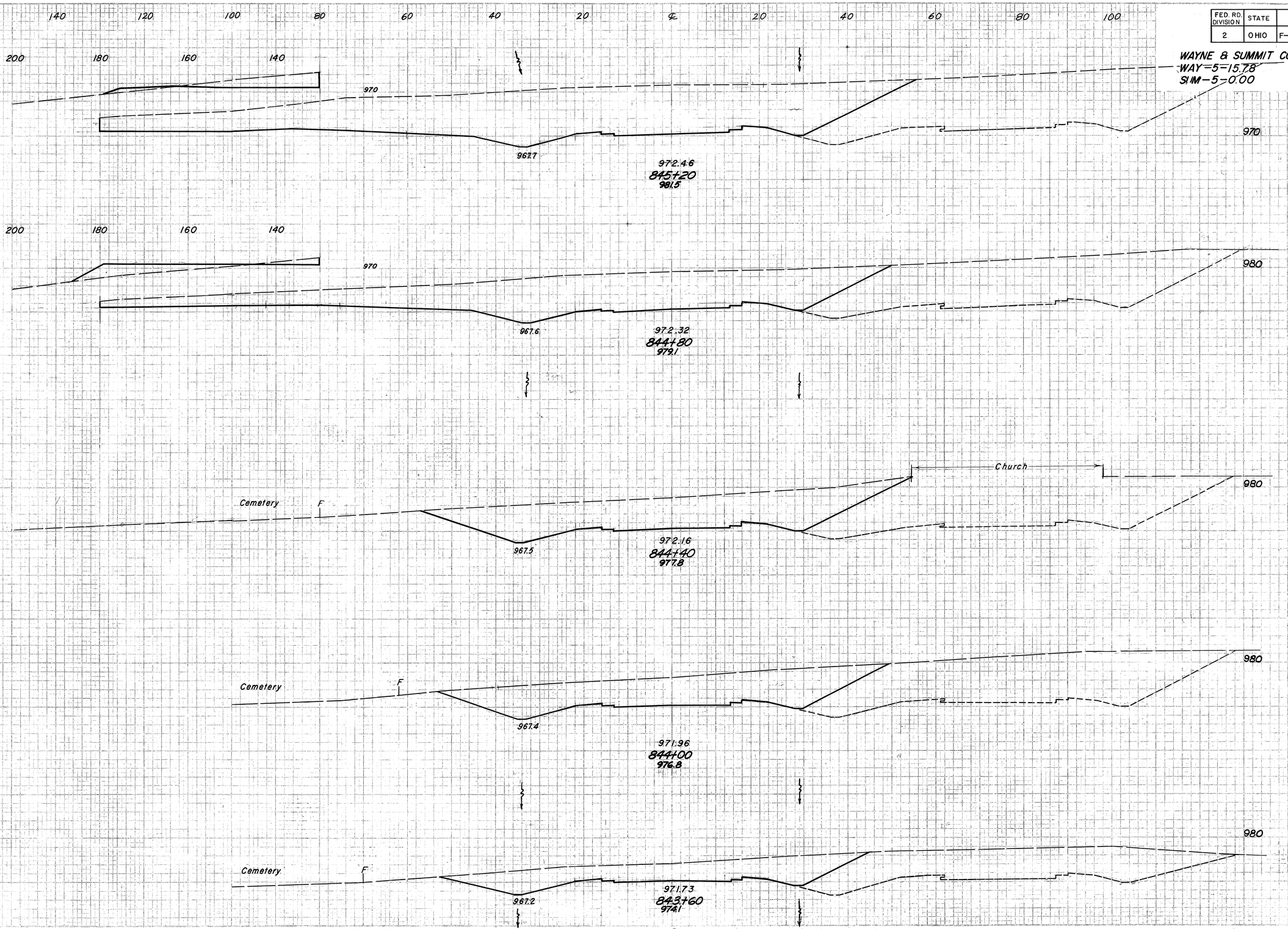
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

55
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.
110	464
99	422
91	109

Add 2778 Sq. Yds. for S.R.5 & Cemetery Drive from Sta. 844+40 to Sta. 845+64



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
1550	6		
		1955	48
1090	59		
		1338	44
717			
		989	
618			
		784	
441			
		155	

Sta. 843+60 To Sta. 845+20

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

56
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.
154	704
155	75
181	678
213	

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
1632		2426	
1564		269	
2075		2535	
2341		1630	
1851		1148.3	

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

980

967.7
972.67
846+40
985.1

Barn

967.8
972.63
845+99
984.8

Barn

967.9
972.62
845+95
984.7

200 180 160 140

980

Barn

968.0
972.56
845+64
983.9

Cemetery Drive
For Details See Sh. 155

200 180 160 140

980

Cemetery Drive

967.8
972.52
845+43
983.4

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

PLATE 5 CROSS SECTION 2 P.R. STANDARD

Sta. 845+43 To Sta. 846+40

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

57
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEPING		END AREA		CU. YDS.	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
		878			
127					4081
	1417				
128		1326			
					2581
	717				
130		1462			
					1758
	472				
153		1702			
					2552
	678				
152		1744			
					2501
	680				

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

F

980

966.5

972.15
849+00
978.6

970.0

Orchard

980

967.0

972.51
848+00
982.9

970.4

Orchard

980

967.2

972.62
847+50
985.3

970.8

Orchard

House

980

967.3

972.65
847+20
986.3

980

967.5

972.68
846+80
986.5

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

Sta. 846+80 To Sta. 849+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

58
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SEEDING SQ YDS.	END AREA CUT	END AREA FILL	C.U. YDS CUT	C.U. YDS FILL
		303			
97					517
	442				
		395			
102					664
	496				
		502			
121					864
	518				
		664			
112					1066
	513				
		775			
119					612
	273				

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

F 965.7 971.01 850+80 972.0 968.7 Fence 970

F 965.9 971.32 850+40 973.5 969.1 970

966.1 971.60 850+00 974.7 969.4 970

F 966.3 971.84 849+60 976.3 969.7 970

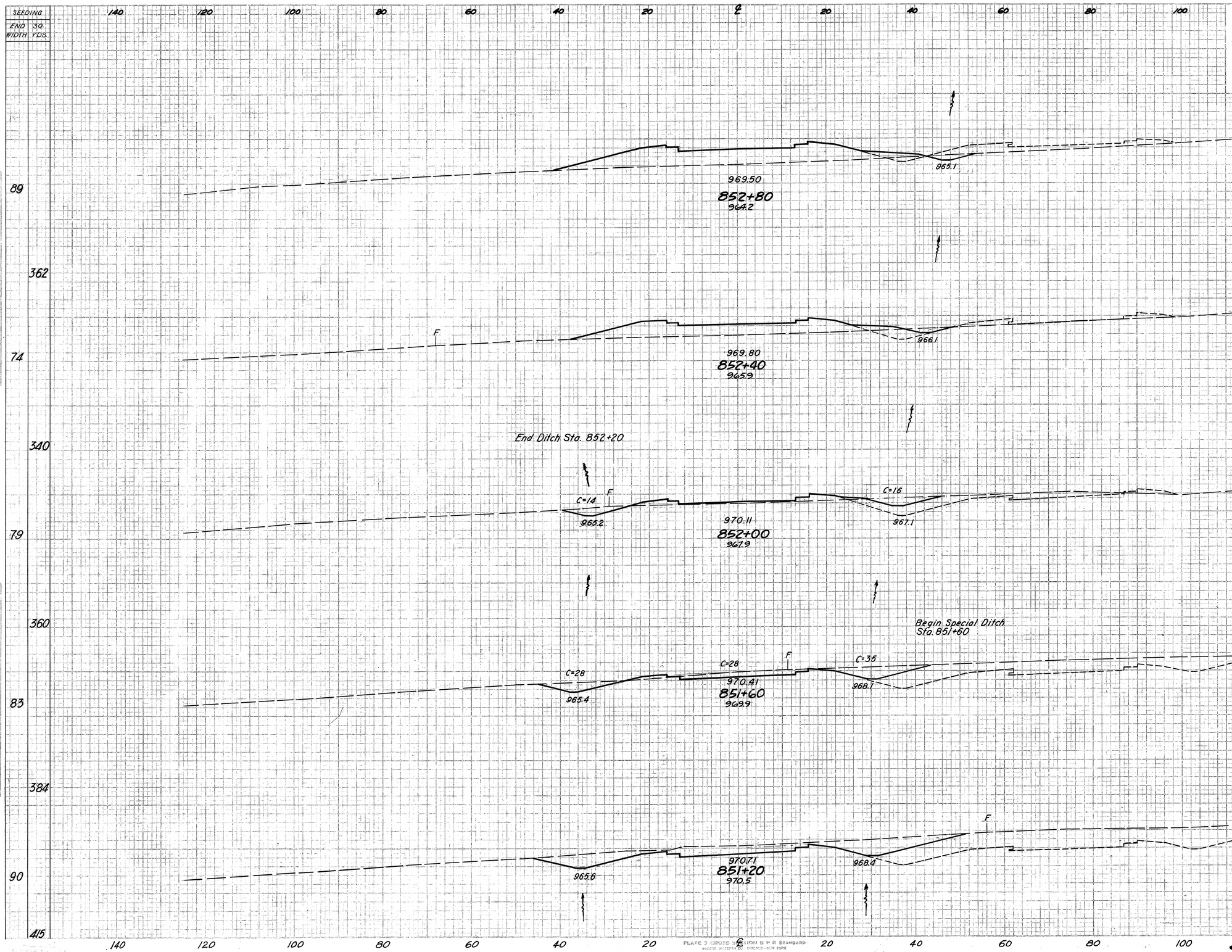
966.4 972.05 849+20 978.3 969.9 970

Sta. 849+20 to Sta. 850+80

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

59
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
6	249		
		9	307
6	166		
		27	148
30	34		
		87	28
88	4		
		198	2
180	0		
		358	

Sta. 851+20 To Sta. 852+80

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054(1)

60
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.
147	432

Add 1864 Sq. Yds. @ Easton Conn. between Sta. 853+20 to Sta. 854+80

140 120 100 80 60 40 20 ℄ 20 40 60 80

960

957.7

968.77
854+80
958.8

959.2

968.73
854+40
961.6

Pipe Ends @ Sta. 854+40
Inv. El. 959.18

Add for Easton Conn.

Easton Connection
For Details See Shts. 156-159

968.77
854+00
964.2

Pipe Begins @ Sta. 853+68
Inv. El. 961.9

963.5

969.20
853+20
965.2

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

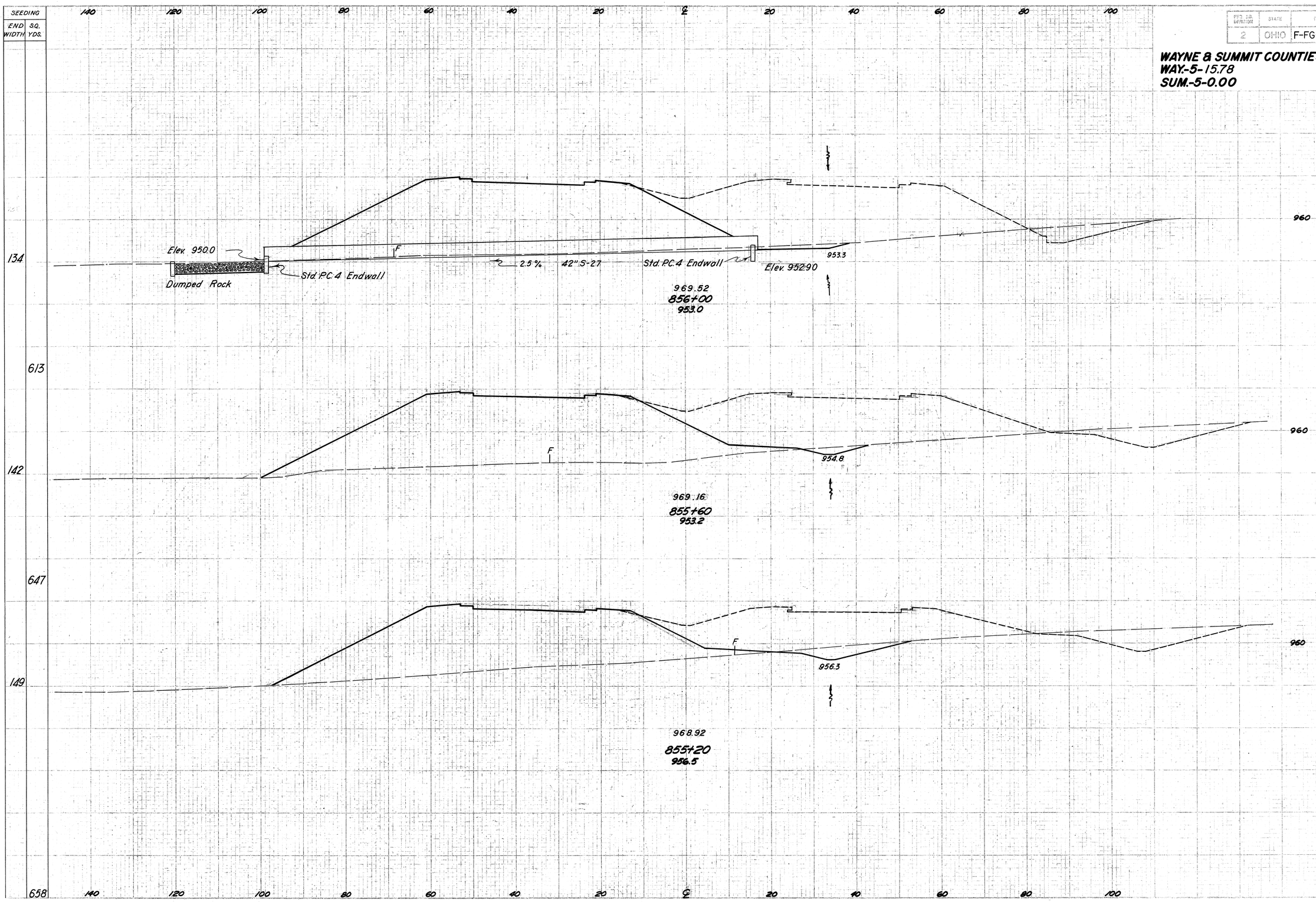
END AREA CUT	END AREA FILL	CUB. YDS. CUT	CUB. YDS. FILL
97	1020		
		164	1246
124	662		
			854
			199
		491	513
			991
107	178		
		84	31

Sta. 853+20 To Sta. 854+80

FED. HIGH. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

61
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00



SEEDING END WIDTH	SEEDING SQ. YDS.
134	613
142	647
149	658

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
6	1416		
		14	2057
13	1361		
		50	1773
54	1033		
		112	1521

Sta. 855+20 To Sta. 856+00

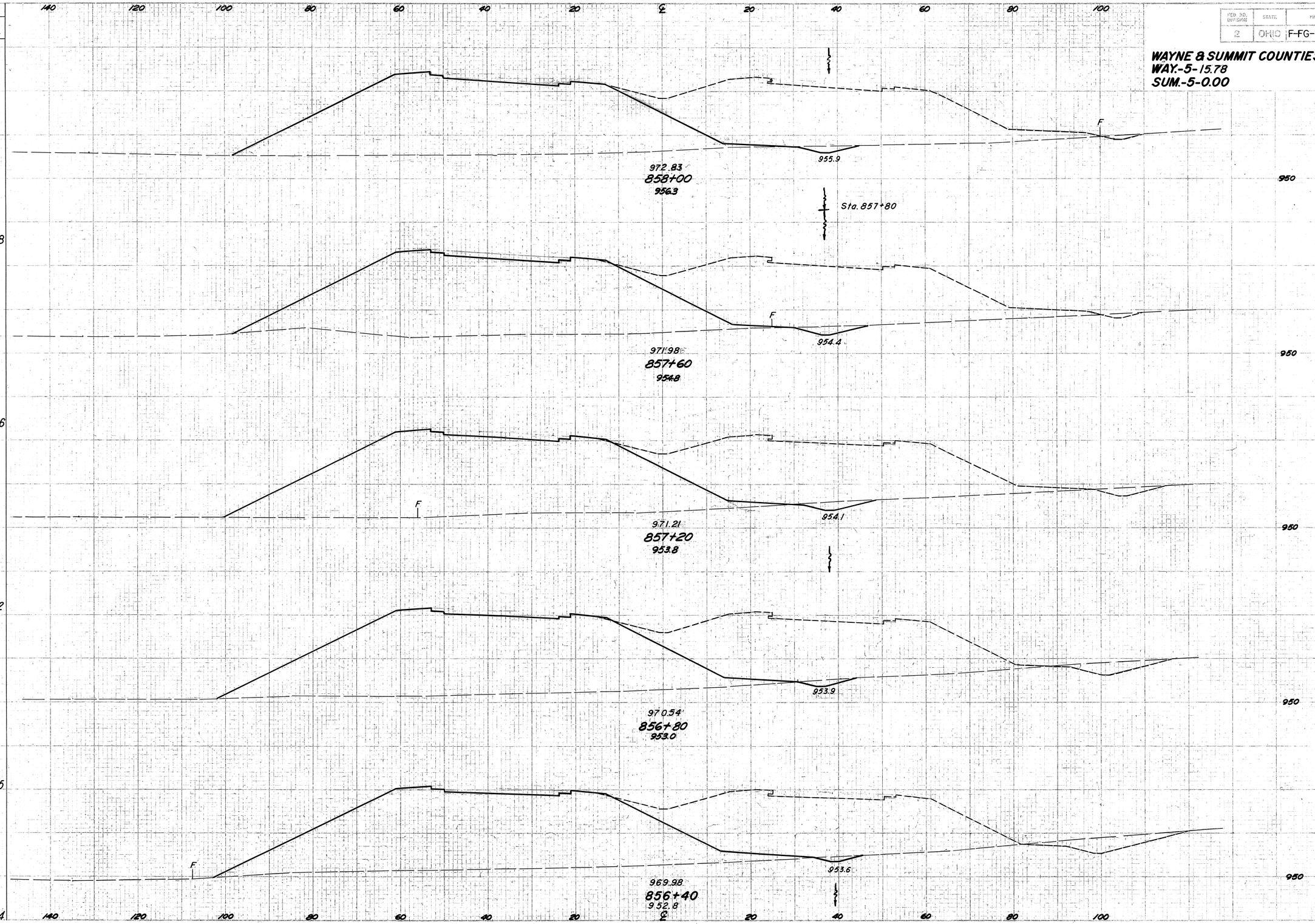
SEEDING	
END WIDTH	SQ. YDS.
142	638
145	656
150	662
148	655
147	624

FED. ROAD DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054(1)

62
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

END AREA CUT	END AREA FILL	CU YDS CUT	CU YDS FILL
12	1378		
		22	2098
18	1454		
		24	2241
15	1571		
		19	2331
11	1576		
		13	2301
7	1531		
		10	2183



Sta. 856+40 To Sta. 858+00

SEEDING	
END WIDTH	SQ. YDS.
75	422
77	1083
118	1383
131	903
140	627

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

End Ditch Sta. 861+60

F 977.1 F 979.59 861+50 978.6 970

975.4 978.74 861+00 977.0 970

976.92 860+00 977.6 969.3 970

974.95 859+00 965.2 962.6 960

973.69 858+40 959.6 958.6 960

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054(1)

63
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

END AREA CUT	END AREA FILL	CU YDS. CUT	CU YDS. FILL
6	166		
		19	267
14	123		
		98	898
39	362		
		169	2113
52	779		
		80	2193
20	1195		
		24	1906

Sta. 858+40 To Sta. 861+50

FED. ROAD DIVISION	STATE	PROJECT	64
2	OHIO	F-FG-1054(1)	291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
244		84	3873		
				287	10135
	2044	110	2968		
216				191	7807
	1716	19	2302		
170				35	5469
	1386	4	1319		
136					2807
	1138		302		
83					
439				3	433

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

984.80
865+35
958.5
960
958.1

983.91
864+55
959.6
960
960.0

982.92
863+75
962.8
970
965.0

981.81
862+93.50
970.6
970
970.0
Begin Ditch
Sta. 862+75

980.40
862+00
978.2
970

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120

Sta. 862+00 To Sta. 865+35

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054(1)

65
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
					6056
279					
		40	5729		
					1889
	2718			90	
273		15	5781		
				61	17025
	2559				
269		24	5035		
	2280	160	13197		

End Ditch Sta 868+30
Elev 952.7

960
952.8

986.96
868+00
954.80

Pipe Culvert @ Sta. 867+40
Skew 30° Rt. Front
For Details See Sh. 224

Equality: Sta. 867 + 47.98 Bk. =
867 + 59.35 Ahd.

960
954.3

986.32
867+00
953.90

960
956.3

985.59
866+15
951.70

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

Sta. 866+15 To Sta. 868+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

66
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL

SEEDING
END SQ
WIDTH YDS

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

EP ℄ Road 960

987.43
868+80
958.0

EP EP 960

987.37
868+69.5
957.6

EP EP 960

987.34
868+64
957.0

EP EP 960

273 5172

987.33
868+62
956.3

981 868+30
920

6460

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

PLANK & CRIB SECTION B P R STANDARD
ENTIRE CULVERT CROSS-HATCHED

Abutment 19646 Cu. Yds.

Sta. 868+62 To Sta. 868+80

ORIGINAL SURVEY
PLOTTED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
DATE WORK
BY
DATE

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

67
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL

SEEDING
END SQ.
WIDTH YDS.

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

EP EP 960

987.66
869+27.5
957.4

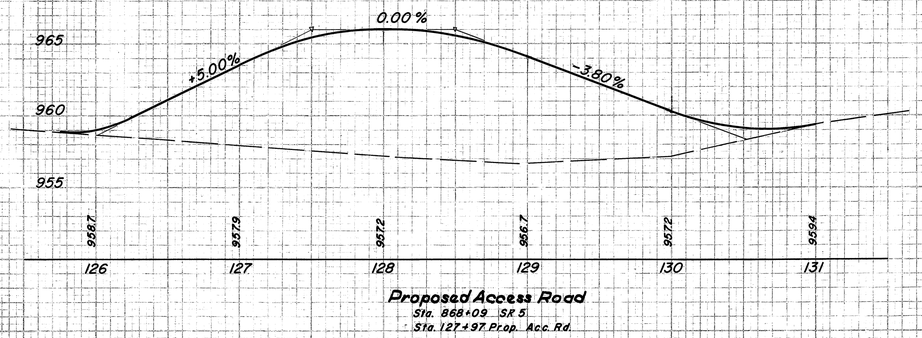
Proposed Access Road S.R. 548

EP EP 960

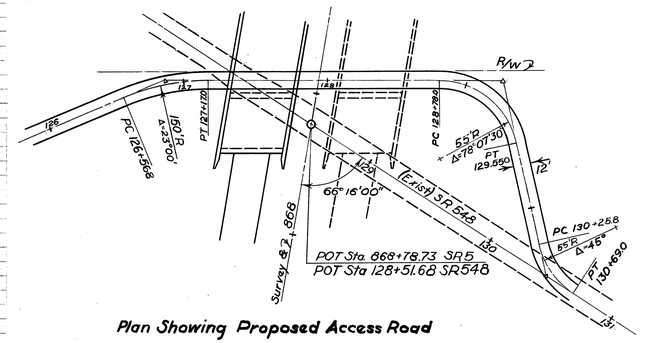
987.53
869+00
957.0

Add 11,356 Sq. Yds. for Railroad between Station 868+30 - 873+00 (Access Road Included)

Add For Access Road 2685



Proposed Access Road
Sta. 868+09 SR 5
Sta. 127+97 Prop. Acc. Rd.



Plan Showing Proposed Access Road

PLATE 3 CROSS SECTION S.P.P. STANDARD

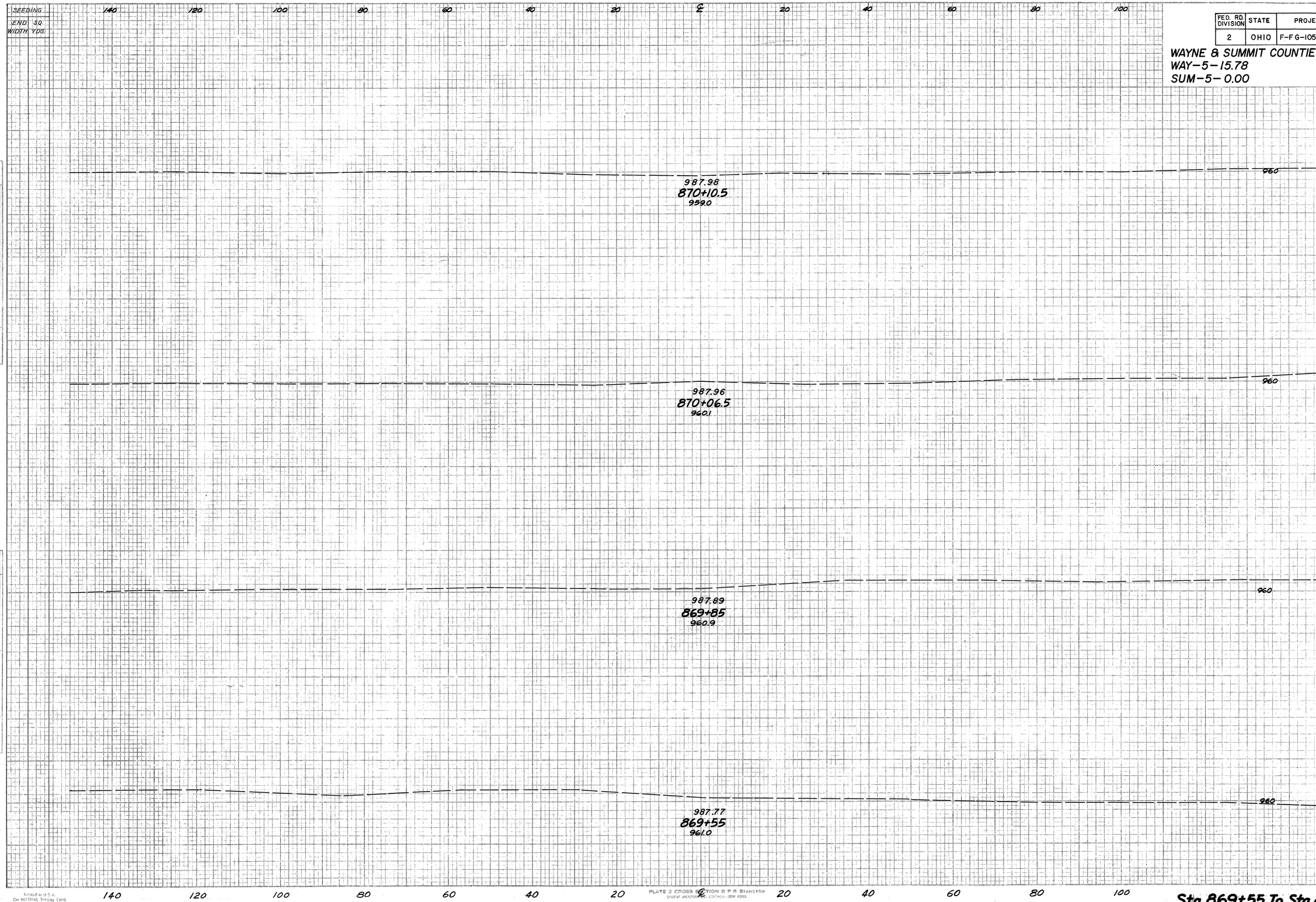
Sta. 869+00 To Sta. 869+27.5

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

68
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL



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

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

Printed in U.S.A.
On MATERIAL Trading Cloth

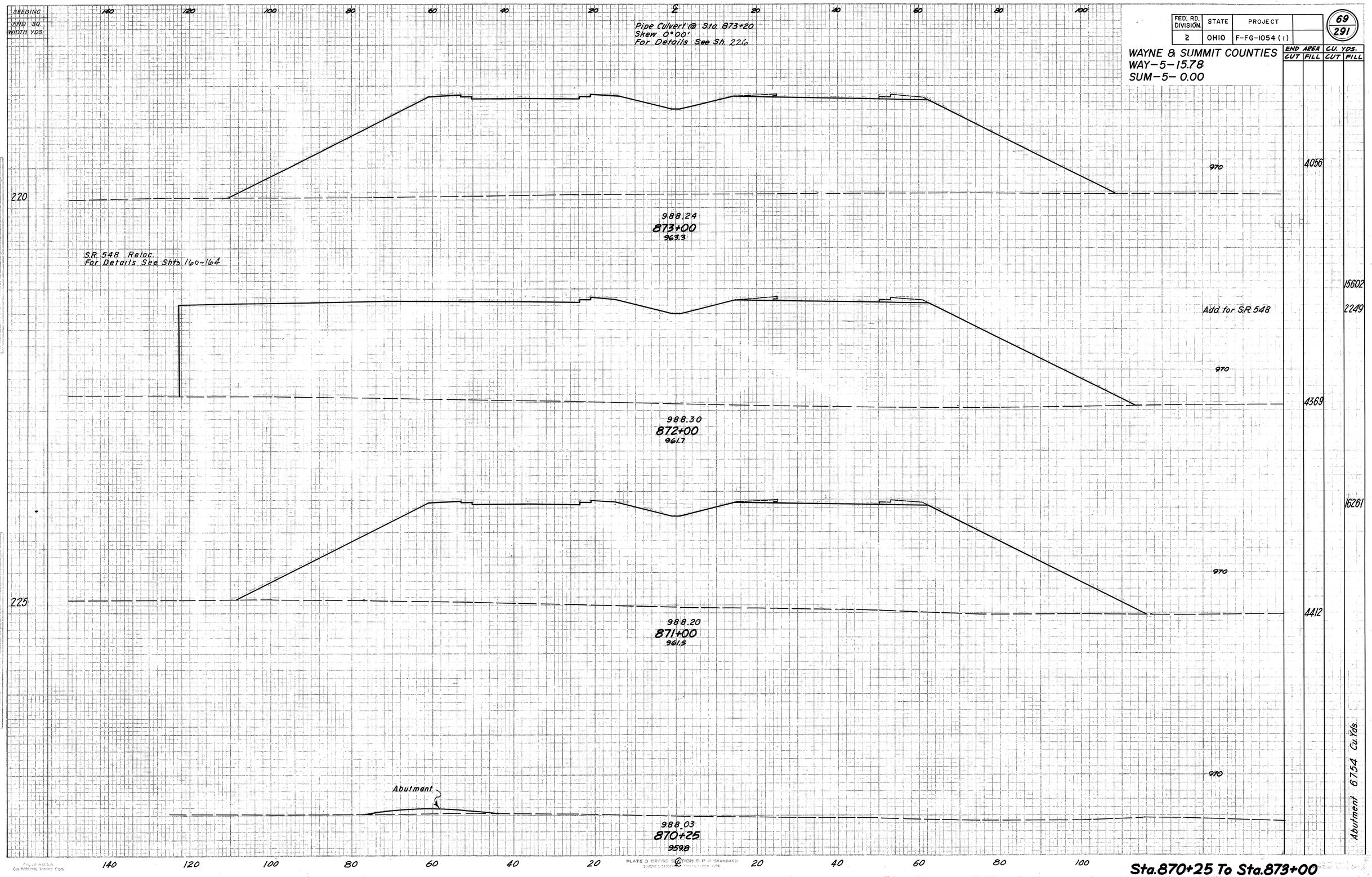
PLATE 3 CROSS SECTION B P R STANDARD
SHEEVE MILWAUKEE, CHICAGO - NEW YORK

Sta. 869+55 To Sta. 870+10.5

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

69
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5- 0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
	4056		
			15602
			2249
	4369		
			16261
	4412		

Abutment 6754 Cu. Yds.

Sta.870+25 To Sta.873+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

70
291

WAYNE & SUMMIT COUNTIES
WAY—5—15.78
SUM—5—0.00

SEEDING END WIDTH	SQ. YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
140					
120					
100					
80					
60					
40					
20					
℄					
20					
40					
60					
80					
100					
123			970		1610
		986.42			
		877+00			
		966.7			
1422					6459
133			970		1878
		987.11			
		876+00			
		966.2			
1644					8602
163			970		2767
		987.65			
		875+00			
		963.8			
1944					11355
187			970		3368
		988.02			
		874+00			
		964.1			
140	2261				13742
120					
100					
80					
60					
40					
20					
℄					
20					
40					
60					
80					
100					

PLATE 3 CROSS SECTION B.P.R. STANDARD

Sta. 874+00 To Sta. 877+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

71
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING			END AREA		CU. YDS.	
END WIDTH	SQ. YDS.		CUT	FILL	CUT	FILL
						1752
118		970				
		981.26				
		881+57				
		966.8				
					1137	
668						
						2233
93		970				
		982.08				
		881+00				
		968.4				
					978	
1022						
						3392
91		970				
		983.40				
		880+00				
		970.5				
					854	
994						
						3068
88		970				
		984.57				
		879+00				
		971.9				
					803	
1050						
						3478
101		970				
		985.57				
		878+00				
		970.2				
					1075	
1178						4972

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

PLATE 5 CROSS SECTION B P R STANDARD

Sta.878+00 To Sta.881+57

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

72
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING
END SQ. WIDTH YDS.

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
148		970		
	125	1230		
962.5				
975.51				
886+00				
961.7				
1539				
			261	4026
129		970		
968.2	16	944		
Ditch Starts Sta. 885+00				
976.54				
885+00				
962.3				
1222				
			30	3359
91		970		
	870			
977.75				
884+00				
962.4				
1006				
				3328
90		970		
	927			
979.14				
883+00				
965.8				
904				
				3206
97		970		
	1063			
980.43				
882+13				
966.8				
669				529

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

PLATE 3 CROSS SECTION C.P.R. STANDARD

Sta. 882+13 To Sta. 886+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

73
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING
END SQ.
WIDTH YDS.

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
	62	855	
			1734
			425
	1218	155	
			2054
	22	1200	
		81	4824
	22	1405	
		119	2301
	107	1080	
		215	2139

204
958.9
973.48
889+00
961.7
970

1136
Backfill Exist. Channel
As Shown on Sh 2.0
939.1
973.71
888+50
961.5
Add for Backfill
Old Channel
970

205

1200
959.2
973.98
888+00
964.6
970

227

2644
959.5
974.65
887+00
962.9
970

249

1139

161
959.7
975.06
886+50
962.4
970

858

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

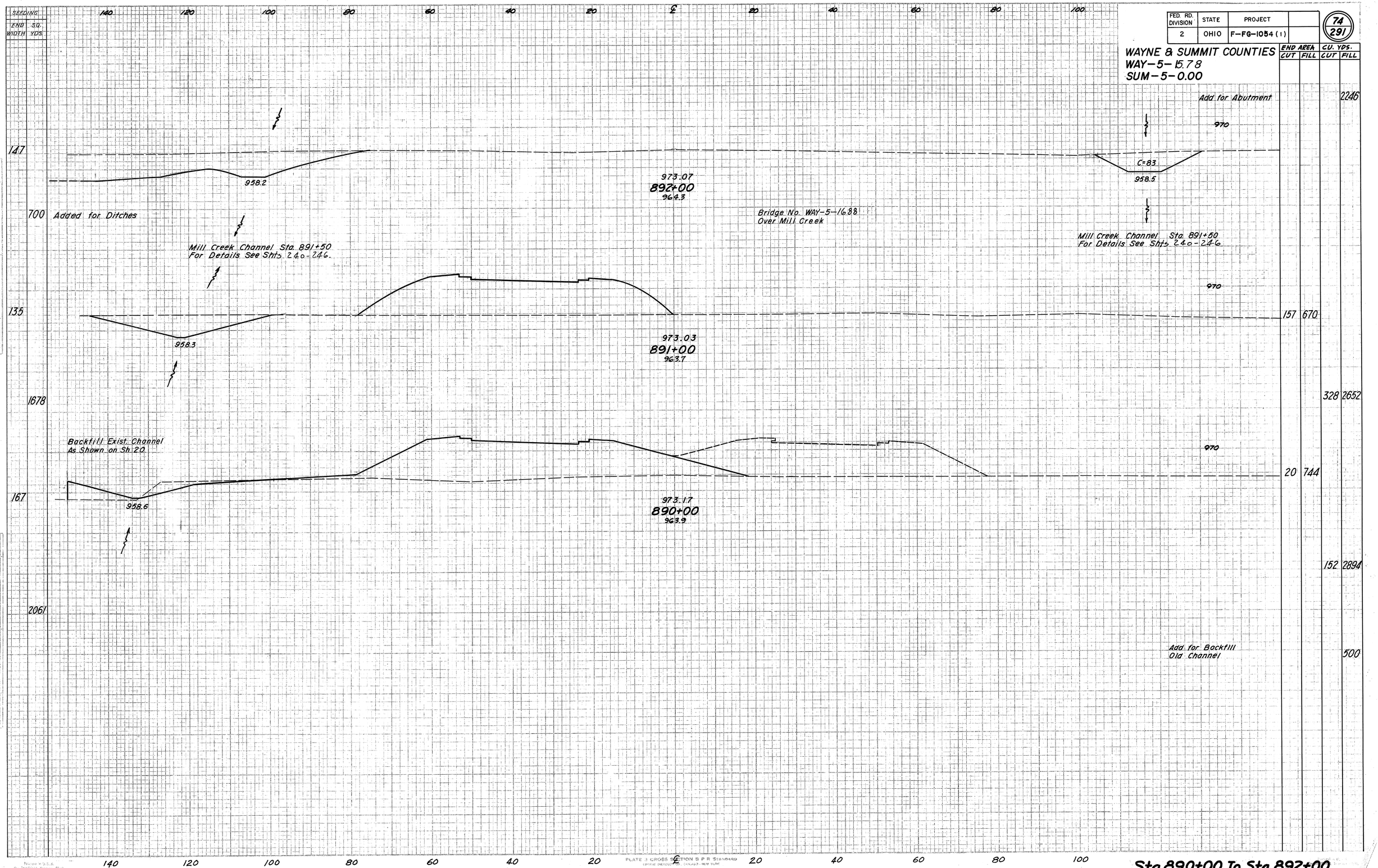
PLATE 3 CHOSE SECTION B.P.R. STANDARD

Sta. 886+50 To Sta. 889+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

74
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



Sta. 890+00 To Sta. 892+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

75
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.		END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
236	2605	C=42, 963.0 — 975.03, 896+00, 966.3 — C=74, 962.5 — 970	116	794	448	2942
233	757	C=42, 961.8 — 974.27, 895+00, 965.1 — C=84, 961.5 — 970	126	795	121	900
237	1858	C=18, 961.4 — 974.09, 894+71, 964.7 — C=82, 961.2 — 970	100	880	295	2172
234	2639	C=50, 960.6 — 973.70, 894+00, 964.5 — C=75, 960.5 — 970	125	772	580	3046
241	2156	C=94, 959.4 — 973.29, 893+00, 963.4 — C=94, 959.5 — 970	188	873		

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

PLATE X CROSS SECTION O.P.R.D. STANDARD

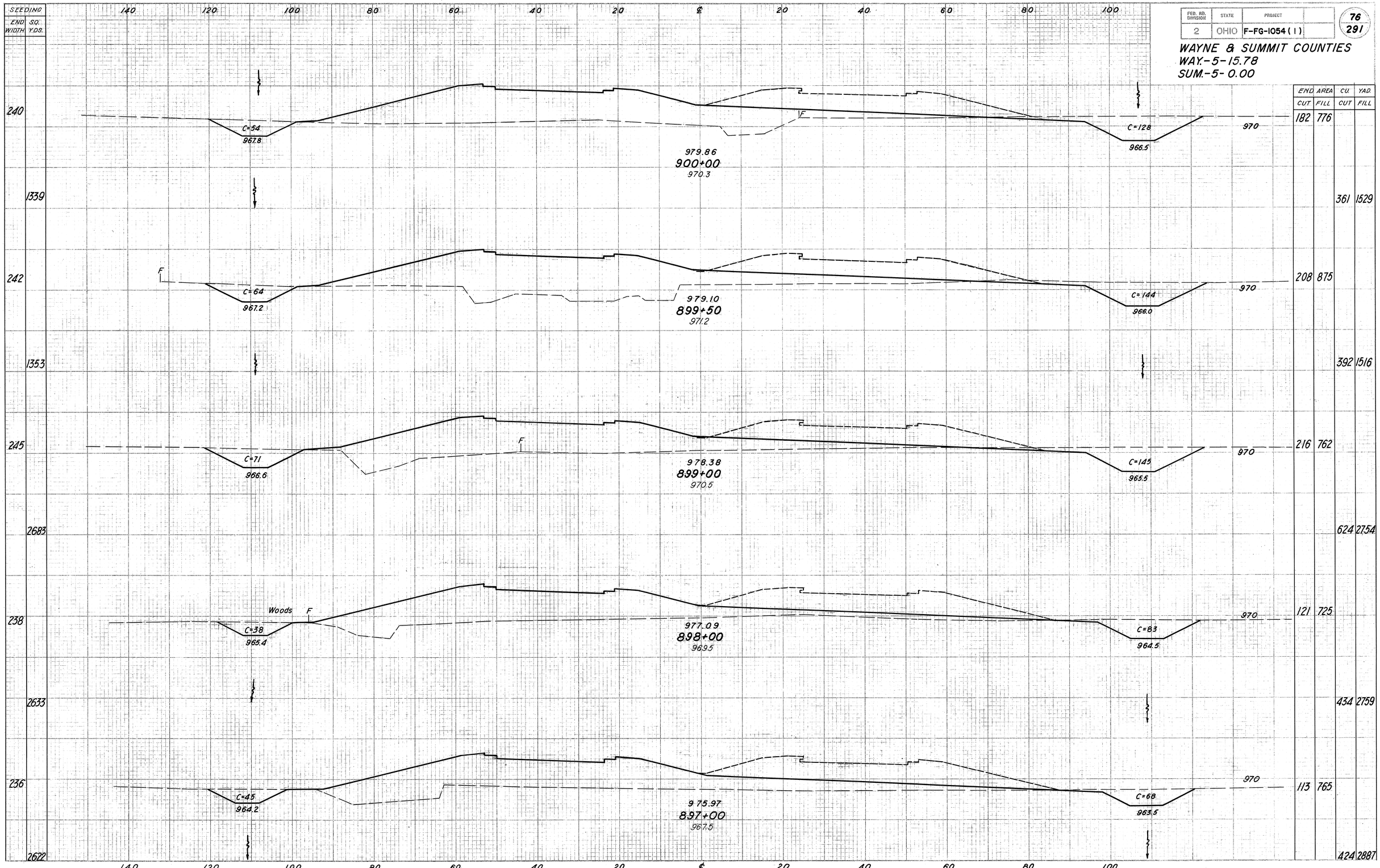
Sta. 893+00 To Sta. 896+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(11)	

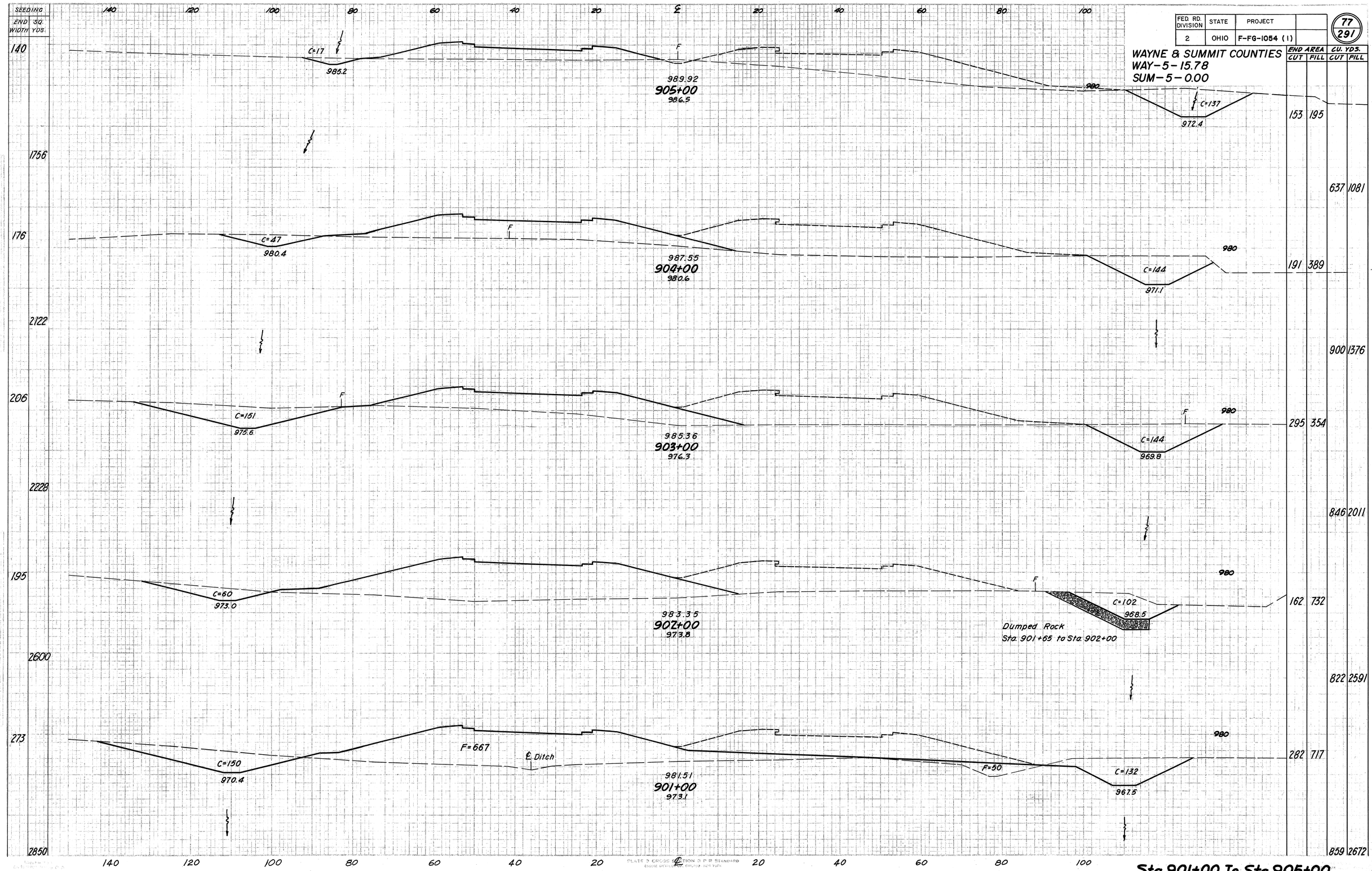
76
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5- 0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	CU. YD. CUT	CU. YD. FILL
240		182	776		
	1339			361	1529
242		208	875		
	1353			392	1516
245		216	762		
	2683			624	2754
238		121	725		
	2633			434	2759
236		113	765		
	2622			424	2887



Sta. 897+00 to Sta. 900+00



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

77
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
153	195		
		637	1081
191	389		
		900	1376
295	354		
		846	2011
162	732		
		822	2591
282	717		
		859	2672

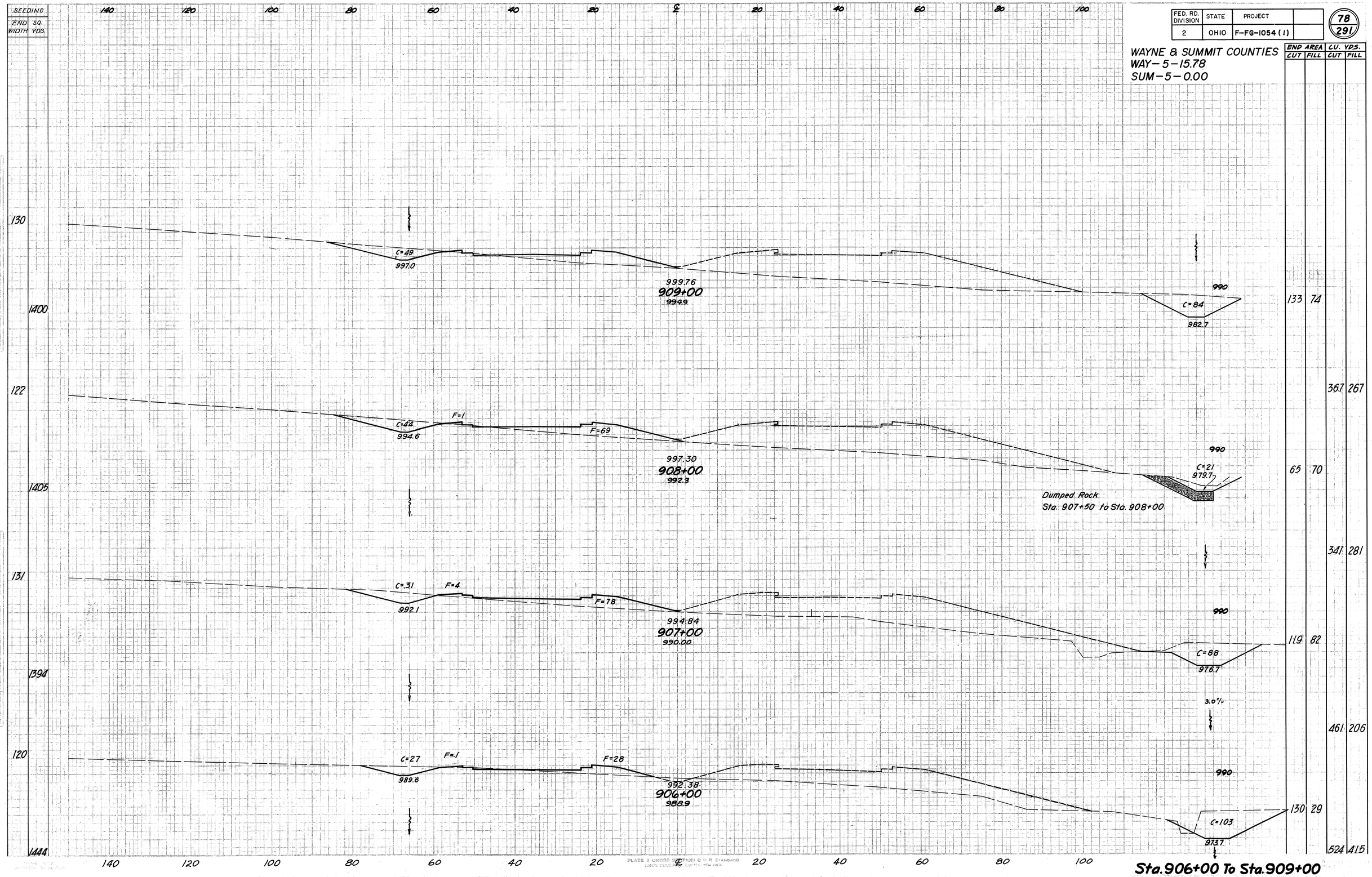
PLATE 3 CROSS SECTION B P R STANDARD

Sta. 901+00 To Sta. 905+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

78
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
133	74		
		367	267
65	70		
		341	281
119	82		
		461	206
130	29		
		524	415

Sta. 906+00 To Sta. 909+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

79
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SQ. YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
130					
	722				
			571		
130					
				1017	
	700				
			528		
122					
				876	
	1317				
			418		
115				1157	
	1244				
			207		
109				570	30
				101	16
	1328			433	167

C=547
1009.60
913+00
1009.9

1000
C=24
993.7

C=517
1008.37
912+50
1007.8

1000
C=11
993.2

C=404
1007.14
912+00
1006.4

1000
C=14
991.7

C=183
1001.9

C=8
1004.68
911+00
1002.2

1000
C=16
988.7

C=67
999.5

F
1002.22
910+00
999.4

1000
C=34
985.7

PLATE 3 CROSS SECTION O.P.R. STANDARD
ROLLING TOPOGRAPHY CROSS NEW YORK

Sta. 910+00 To Sta. 913+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

80
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SQ. YDS.
93	961
80	1000
100	304
119	942
107	1317

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
463			
		1420	
304			
		718	52
84	56		
		68	68
62	92		
		392	139
220	8		
1465	7		

F

1019.44
917+00
1021.7

1010

1014.5

1016.98
916+00
1016.1

1010

C=44

1014.52
915+00
1010.6

C=40
1006.2

1010

C=28

1013.91
914+75
1008.8

C=24
1004.1

1010

C=196

1012.06
914+00
1009.0

C=24
997.7

1010

PLATE 2 CROSS SECTION C P R STANDARD

Sta. 914+00 To Sta. 917+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

81
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END SO. WIDTH YDS.		END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
	140				
	120				
	100				
	80				
	60				
	40				
	20				
	℄				
	20				
	40				
	60				
	80				
	100				
109		1036			
				1992	
619					
114		1115			
				2058	
617					
108		1108			
				1770	
567					
96		804			
				2454	
1061					
95		521			
				1822	
1044					
	140				
	120				
	100				
	80				
	60				
	40				
	20				
	℄				
	20				
	40				
	60				
	80				
	100				

1030

1028.05
920+50
1040.1

1030

1026.32
920+00
1039.2

1030

1025.59
919+50
1037.6

1030

1024.36
919+00
1032.5

1030

1021.90
918+00
1025.5

PLATE 3 CROSS SECTION C & P R STANDARD
USING DETAIL OF CHICAGO NEW YORK

Sta. 918+00 To Sta. 920+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

82
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING
END SQ. WIDTH YDS.

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
737	1040		
			2935
848	1040		
			3278
922	1040		
			3085
744	1040		
			3028
891	1040		
			1784

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

101 1133 103 1172 108 1161 101 1044 105 594

1039.15
925+00
1048.0

1036.66
924+00
1046.4

1034.20
923+00
1044.8

1031.74
922+00
1041.1

1029.28
921+00
1039.8

Note:- Add 12" Thickness To Subbase
Sta. 923+00 To Sta. 931+00

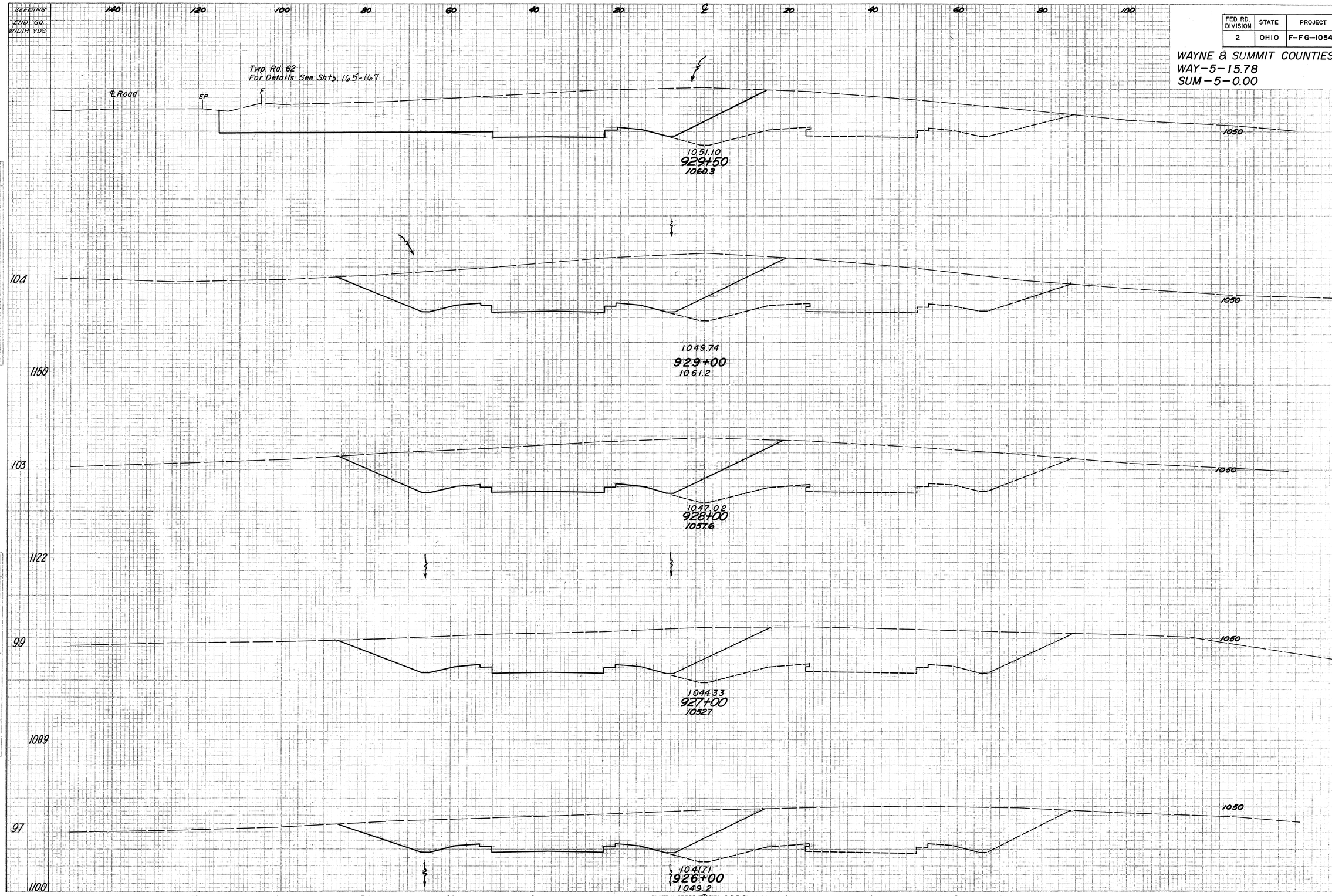
PLATE 3 CROSS SECTION B P R Standard

Sta. 921+00 To Sta. 925+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

83
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
1046			
		1879	
983			
		3544	
931			
		3142	
766			
		2670	
676			
		2617	

PLATE 5 CROSS SECTION O P R STANDARD

Sta. 926+00 To Sta. 929+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

84
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
92	522	1060			
		Drive	368		778
96		1060			
		EP	EP 472		1082
		1060			
		Twp. Rd. 62 ℄ EP EP F	697		1566
		1060			
		EP EP F F	841		1587
		1060			
		EP EP F	1064		1954

Add 2778 Sq. Yds. @ Twp. Rd. 62 between Sta. 929+00 to Sta. 931+50

1057.90
932+00
1060.5

1056.54
931+50
1060.0

1055.18
931+00
1059.50

1051.2

1053.68
930+45
1058.30

1049.0

1052.46
930+00
1059.30

PLATE 3 CROSS SECTION 3 P R STANDARD
EDGAR ESTICHELL CHICAGO - NEW YORK

Sta. 930+00 To Sta. 932+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

85
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SQ. YDS.		END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
107		1058.4				
		1067.01 935+35 1059.2				
		1060	72	330		
884		Pipe Culvert @ Sta 934+80 Skew: 0°00 For Details see Sh. 226				
					121	910
92		1059.0				
		1064.84 934+55 1058.1				
		1060	10	284		
693						
					28	579
64		1058.4				
		1062.66 933+75 1059.6				
		1060	9	107		
595		Begin Spec. Ditch Sta. 933+50 Elev. 1059.2				
					190	158
70		Drive 1057.7				
		1060.48 932+95 1060.7				
		1060	119			
335						
					251	
80		Drive				
		1059.39 932+54.78 1060.9				
		1060	218			
523					594	

PLATE 3 CROSS SECTION B P R Standard

Sta. 932+54.78 To Sta. 935+35

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

86
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END SQ. WIDTH YDS.		END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
97	539				
		39	360		
				94	653
97	1115				
		63	345		
				170	681
		Sta. 937+00			
				153	615
112	503				
		120	390		
				155	590
120	531				
		91	411		
				190	841
119	502				
		80	346		
				225	1001

1065.6 — 1074.22 — 938+00 — 1068.9 — 1060

1064.3 — 1072.86 — 937+50 — 1067.2 — 1060

1061.7 — 1070.27 — 936+54.78 — 1060.7 — 1060 — ℄ Ditch

1060.6 — 1069.19 — 936+15 — 1059.1 — 1060

1059.6 — 1068.10 — 935+75 — 1059.5 — 1060

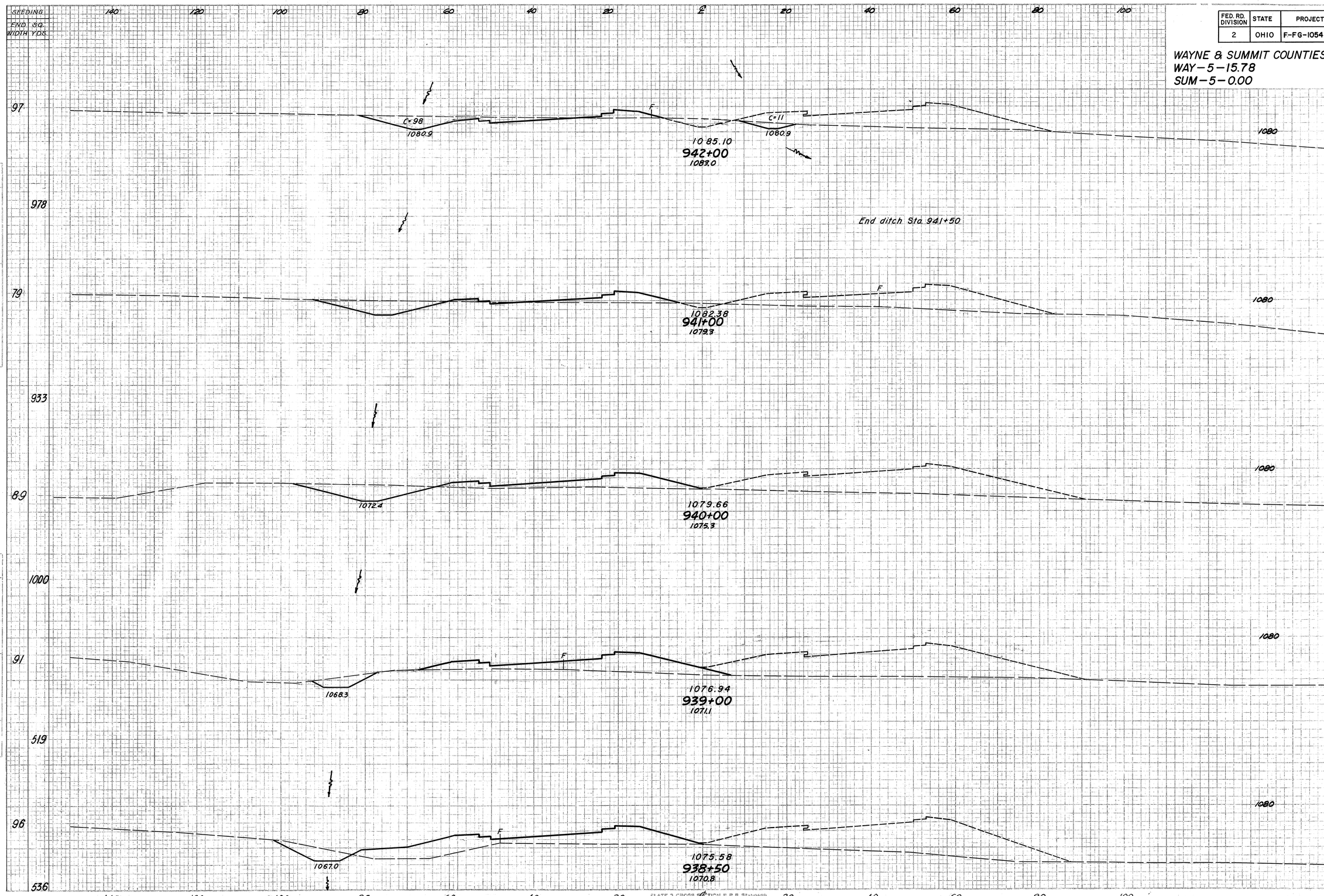
PLATE 3 CROSS SECTION B P R STANDARD
EDISON ELECTRIC INSTITUTE CHICAGO-NEW YORK

Sta. 935+75 To Sta. 938+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

87
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
109	18		
		292	113
60	43		
		261	287
81	112		
		202	519
28	168		
		64	377
41	239		
		74	555

FLATE 3 CROSS SECTION P.P.R. STANDARD

Sta. 938+50 To Sta. 942+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

88
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING
END SQ. WIDTH YDS.

103
1111
97
1022
87
922
79
905
84
1095

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

1094.3
1098.79
947+00
1104.5
1090

1091.6
1095.98
946+00
999.0
1090

1088.9
1093.26
945+00
994.3
1090

C=180
1086.1
C=4
988.3
1090.54
944+00
1089.4
1090

C=114
1083.4
C=8
1083.9
1087.82
943+00
1085.5
1090

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
837			
		2680	
610			
		1867	
398			
		1078	1
184	3		
		567	44
122	21		
		428	72

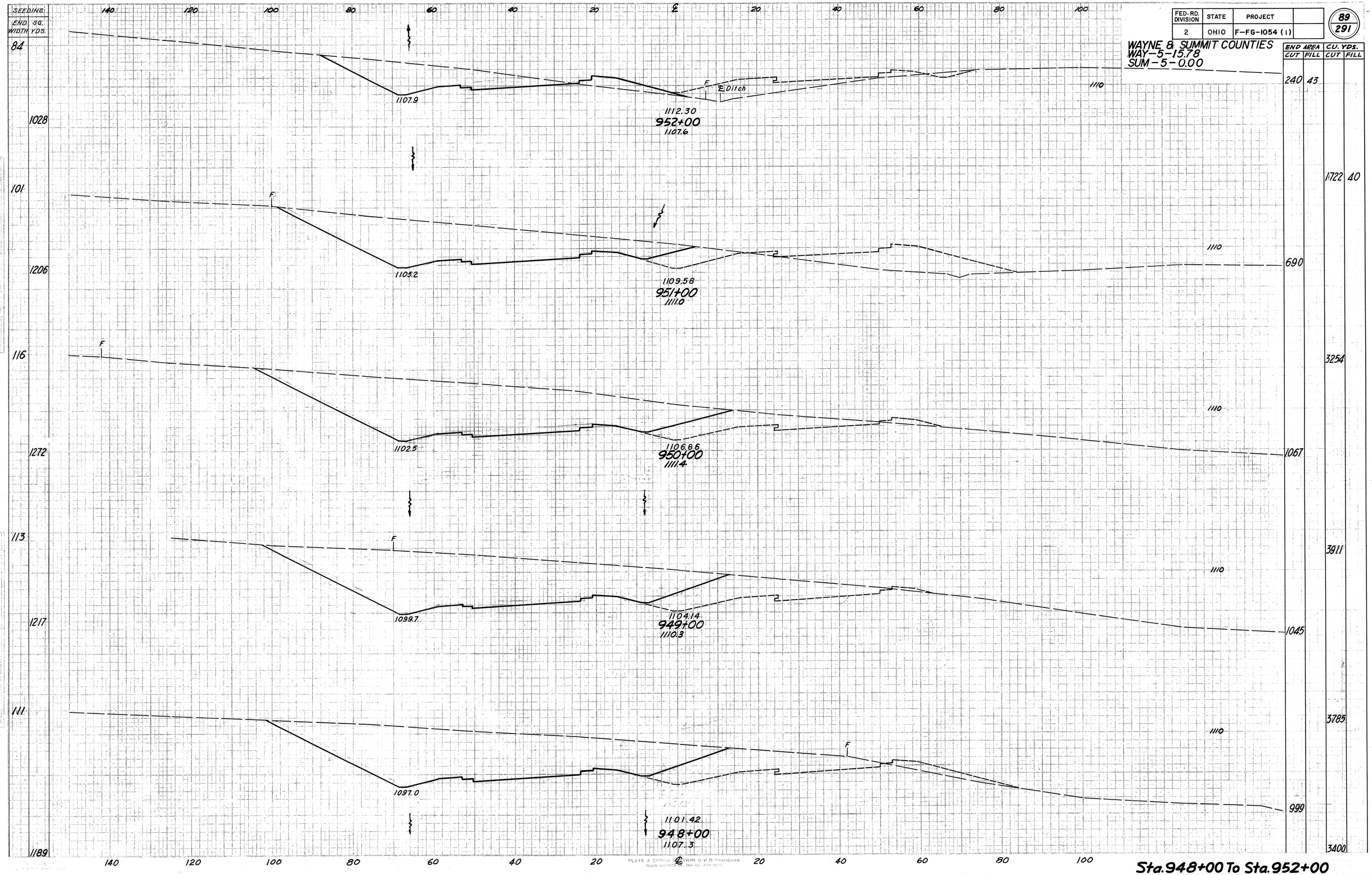
PLATE 3 CROSS SECTION 3 P R STANDARD

Sta. 943+00 To Sta. 947+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

89
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



Sta. 948+00 To Sta. 952+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

90
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END 30. WIDTH YDS.		END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
142	140 120 100 80 60 40 20 ℄ 20 40 60 80 100	974			
1298	1124.2 1113.9 1119.4 1121.55 955+40 1127.8 1120			3218	
150	F 1112.6 1107.8 1117.3 1119.37 954+60 1125.1 1120	1198			
1298	Sta. 954.10 End Type I Paved Gutter Elev. 1105.40 Pipe Culvert Sta. 954+00 Inv. Elev. 1103.15 Ditch Elev. 1103.40			2907	
142	1104.1 1115.2 1117.20 953+80 1120.2 1120	764			
1101				1513	38
112	C=25.7 1107.0 F C=30 1110.8 1115.08 953+02.28 1113.5 1120	287	55		
854	Pipe Culvert Sta. 952+50 Skew 58°00' For Details See Sh. 229			754	174
136	C=232 1107.5 F C=134 1104.6 1113.39 952+40 1108.70 F 1120	367	96		
489	140 120 100 80 60 40 20 PLATE 3 CROSS SECTION D.P.R. STANDARD 20 40 60 80 100			450	103

Sta. 952+40 To Sta. 955+40

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

91
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING
END WIDTH | SQ. YDS.

Add 5611 Sq. Ft. between Stations 958+00 - 961+00

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

1149.5 1129.5 1132.54 960+00 1146.6 — Ahead Only — 1½" per Ft. Slope — 1130

1144.2 1127.4 1130.48 959+00 1141.1 — 1130

170 1138.9 1125.2 1123.9 1128.24 958+00 1137.1 — 1130

1786 159 1133.8 1122.6 1123.6 1125.86 957+02.28 1134.6 — 1130

1398 148 1129.4 Sta. 955+50 Begin Type I Paved Gutter Elev. 1125.7 1120.0 1121.5 1123.72 956+20 1131.72 — 1130

1289

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

PLATE 3 CROSS SECTION IS P.R. STANDARD

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
	Ahead 2836		
	Back 2454		
			8278
		2016	
			6106
1281			
			4254
1070			
			3184
1020			
			2954

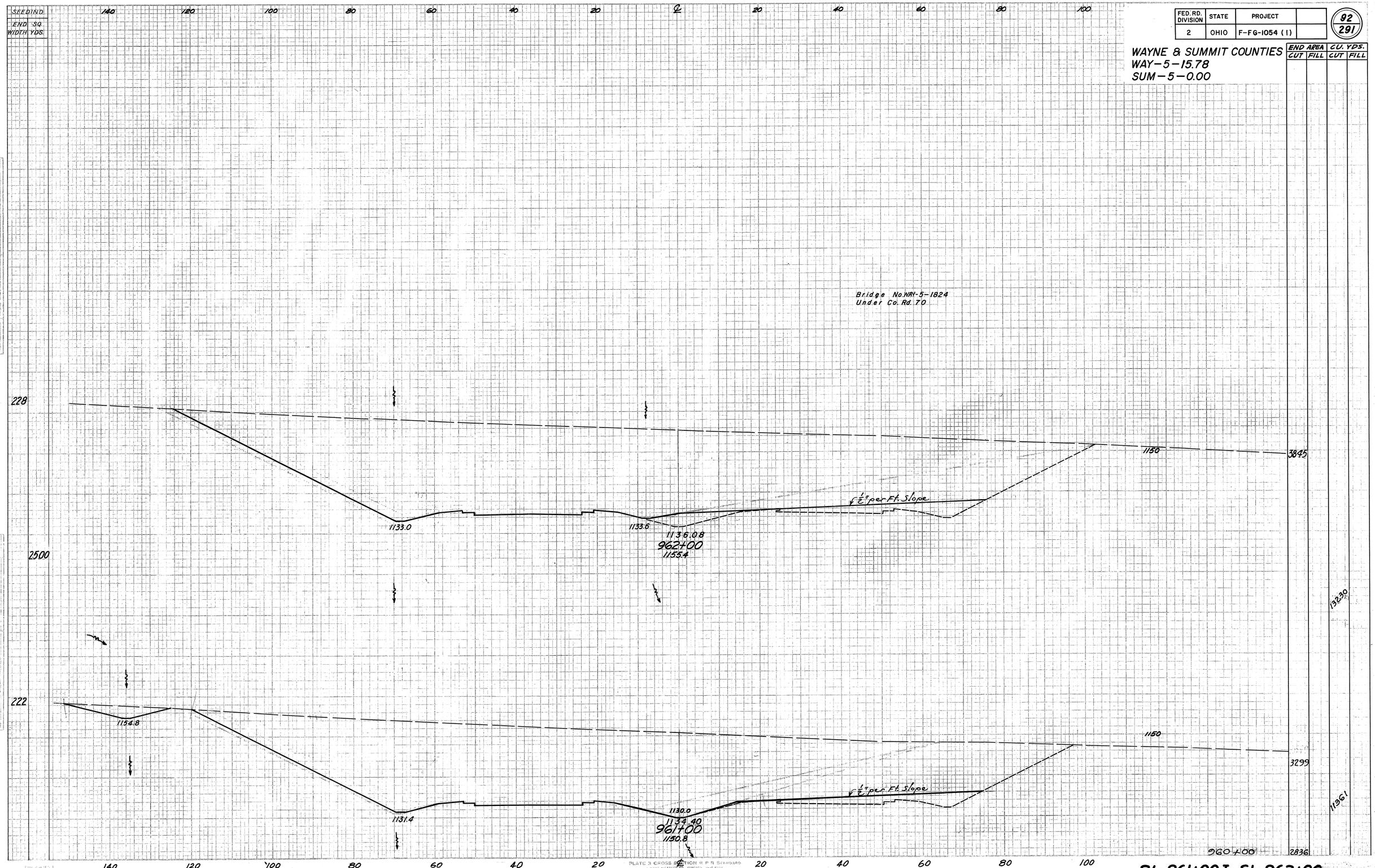
Sta. 956+20 To Sta. 960+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

92
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL

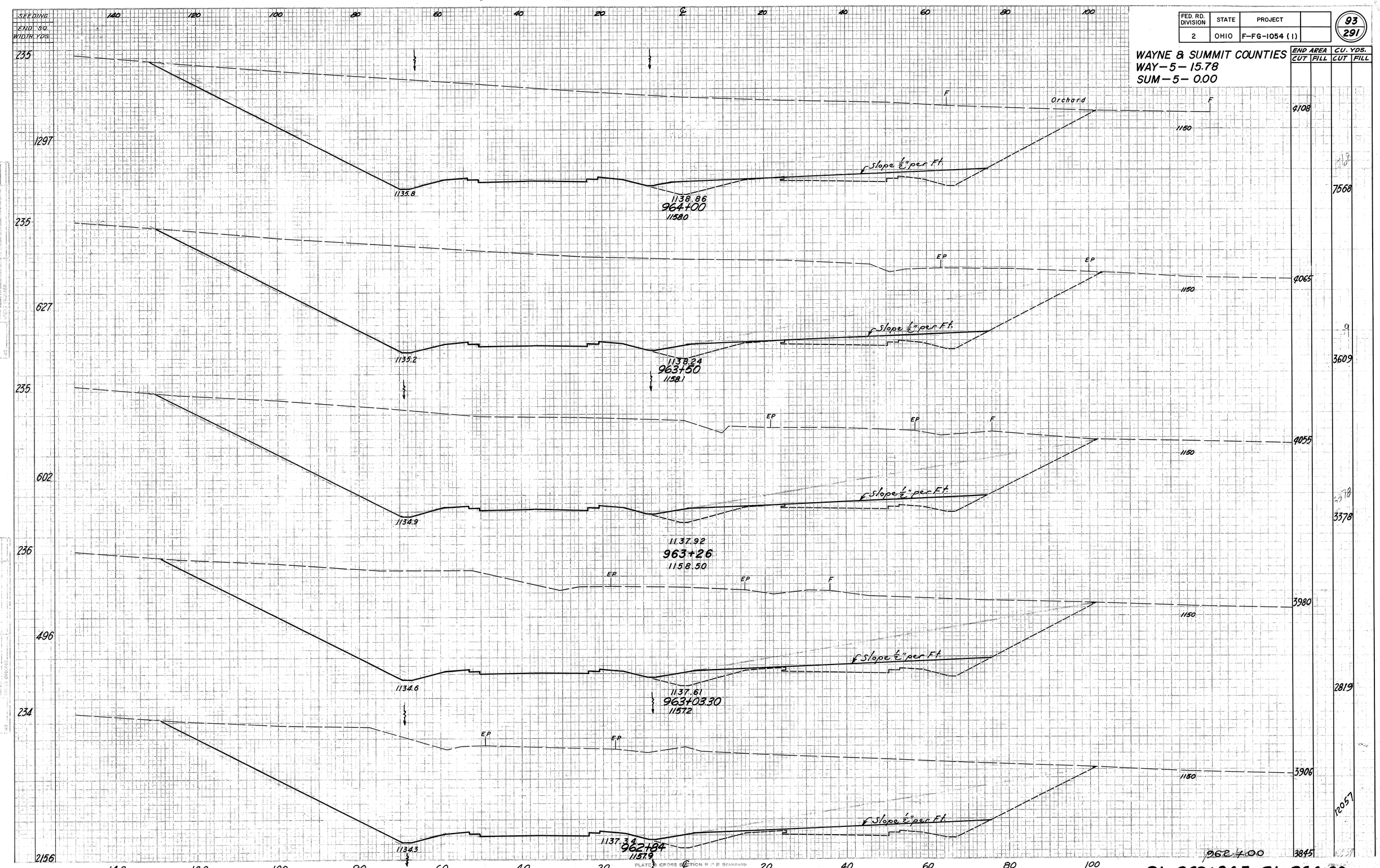


Sta. 961+00 To Sta. 962+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

93
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

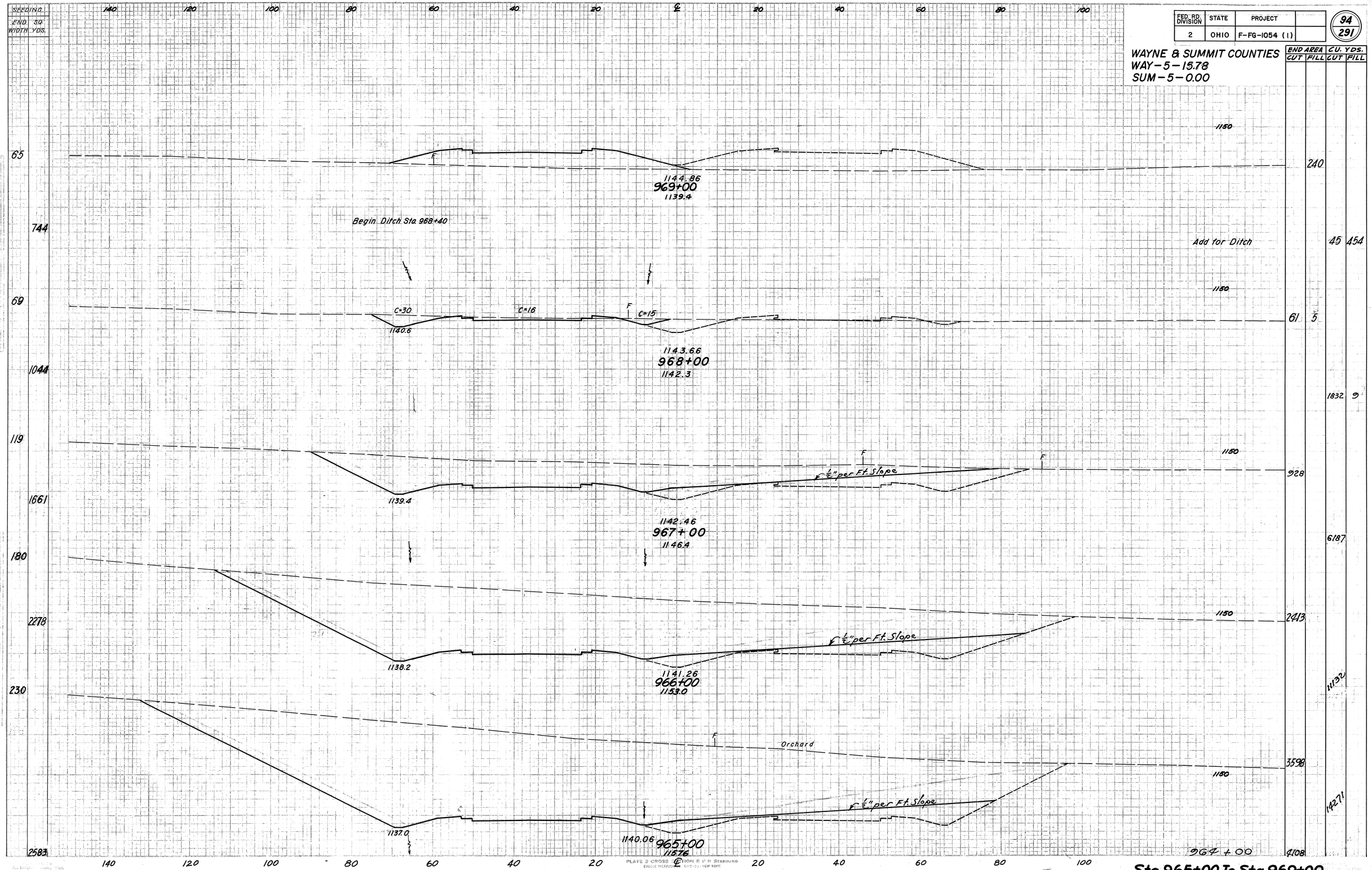


Sta. 962+84 To Sta. 964+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

94
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
	240		
		45	454
61	5		
		1832	9
	928		
		6187	
	2413		
		11132	
	3598		
		14271	
	4108		

PLATE 3 CROSS SECTION 8 P.R. STANDARD

Sta. 965+00 To Sta. 969+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

95
291

WAYNE & SUMMIT COUNTIES
WAY—5—15.78
SUM—5—0.00

SEEDING END WIDTH	SQ. YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
170			27	677	
	19			1	26
167			8	724	
	134				230
100				657	
	11				24
98				635	
	672				1401
91				547	
867					1457

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

0.4%

1150

F=632

1146.96
970+75
1138.7

1137.0

F=45

1150

F=673

1146.95
970+74
1137.6

1137

F=51

Endwall of Proposed Culvert

Structure @ Sta. 970+70
Skew 10° R.F.

1150

1146.84
970+65
1137.6

1150

1146.83
970+64
1137.9

1150

F

1146.06
970+00
1137.8

PLATE 5 CROSS SECTION B P R Standard

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

Sta. 970+00 To Sta. 970+75

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

96
291

WAYNE & SUMMIT COUNTIES
WAY–5–15.78
SUM–5–0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
210		25	975		
	2306			152	3504
205		57	917		
	1496			89	2242
197		15	890		
	706			13	1065
188		7	853		
	247			4	372
183		12	821		
255				9	31

1150
F
1149.66
973+00
1139.3
1137.8

1150
F
1148.46
972+00
1139.1
1137.6

1150
F
1147.66
971+33
1138.2
1137.4

1150
F=842
1147.26
971+00
1137.9
F=11
1137.3

1150
F=811
1147.12
970+88
1137.6
1137.2
F=10

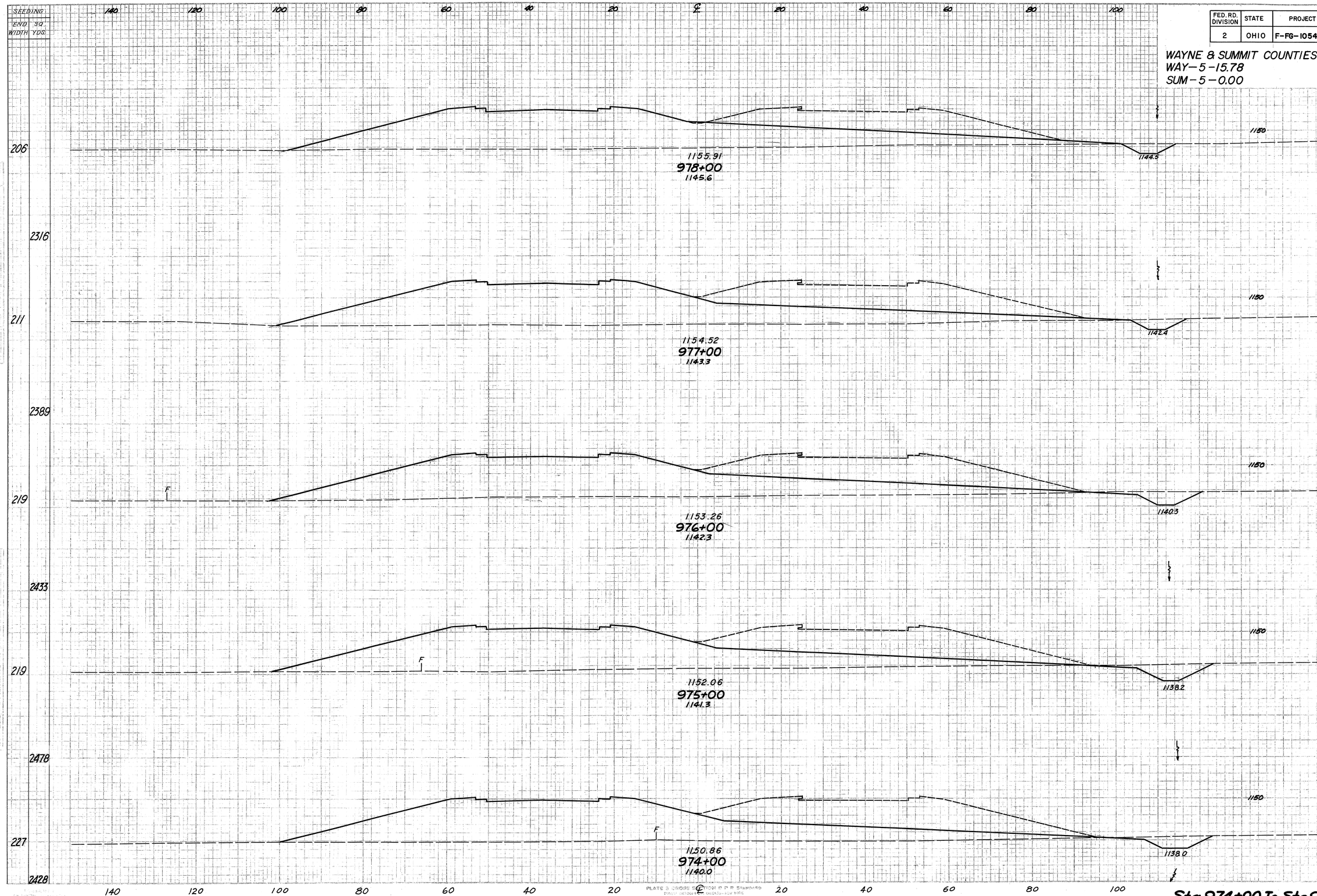
PLATE 3 CROSS SECTION E P R STANDARD

Sta.970+88 To Sta.973+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

97
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
21	1041		
		80	4018
22	1129		
		113	4096
39	1083		
		172	4048
54	1103		
		185	4128
46	1126		
		131	3891

Sta. 974+00 To Sta. 978+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

98
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SEEDING SQ YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
195					
	1441	49	828	103	2095
198					
	750	35	886	43	1105
199					
	1114	34	869	61	1710
202					
	1122	32	978	56	1816
202					
	2267	29	983	92	3748

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

1160 ℄ Ditch F 1150.8
1160.82
981+00
1152.7

1160 ℄ Ditch F 1149.3
1159.65
980+34
1151.5

1160 ℄ F 1148.7
1159.06
980+00
1150.4

1160 F 1147.7
1158.23
979+50
1148.8

1160 1146.6 2.1%
1157.42
979+00
1148.1

PLATE 3 CROSS SECTION @ P R STANDARD

Sta. 979+00 To Sta. 981+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

99
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING
END SQ. WIDTH YDS.

	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
193	30	686		
Add for Ditch			209	
2256			176	2502
213	127	665		
1164			239	1211
206	131	643		
1125			210	1260
199	96	718		
2211			311	2687
199	72	733		
2189			224	2891

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

℄ Ditch
1161.5
1160
1169.07
985+00
1161.8

℄ Ditch
1166.86
984+00
1160.0
1158.1
1158.0
1160

Pipe

1165.78
983+50
1159.2
1156.1
1160

1164.72
983+00
1157.7
1155.0
1160

1162.71
982+00
1155.1
1152.9
1160

PLATE 2 CROSS SECTION & F.F. STANDARD

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

Sta. 982+00 To Sta. 985+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

100
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
76	489	13	224	32	467
100	547	22	281	26	562
121	843	9	399	21	1036
153	914	12	611	22	1241
176	1025	12	729	39	1310

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

1171.1
1174.88
987+50
1173.0
1170

EP EP
1173.68
987+00
1170.3
1168.6
1170

EP EP EP
1172.62
986+55.4
1167.8
1166.4
1170

EP EP EP
1171.34
986+00
1165.1
1164.6
1170

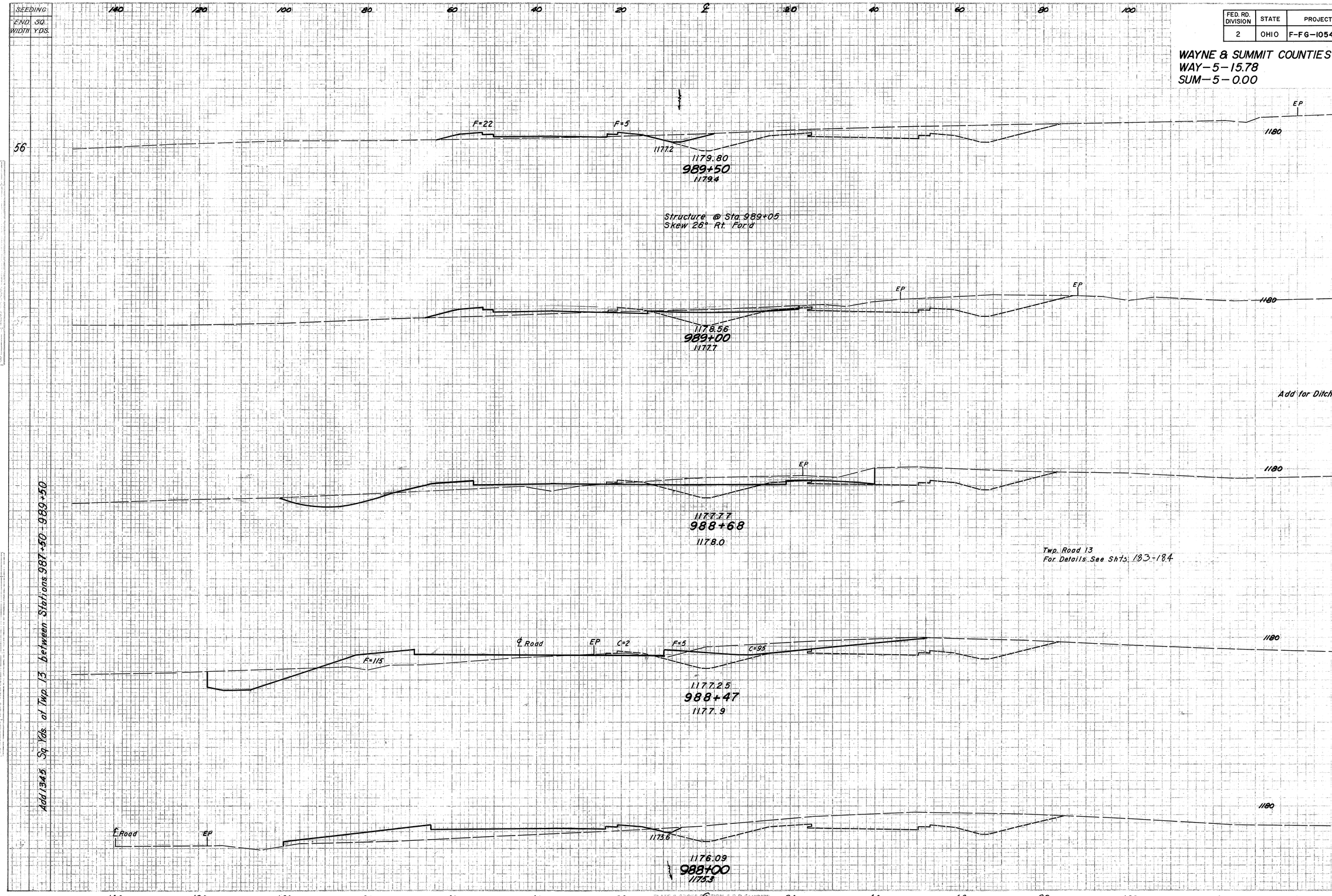
1170.20
985+50
1163.3
1163.0
EP
1170

Sta.985+50 To Sta.987+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

101
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
13	27		
		37	62
27	40		
		73	53
		75	41
97	49		
		75	66
97	120		
		89	252
4	170		
		16	365

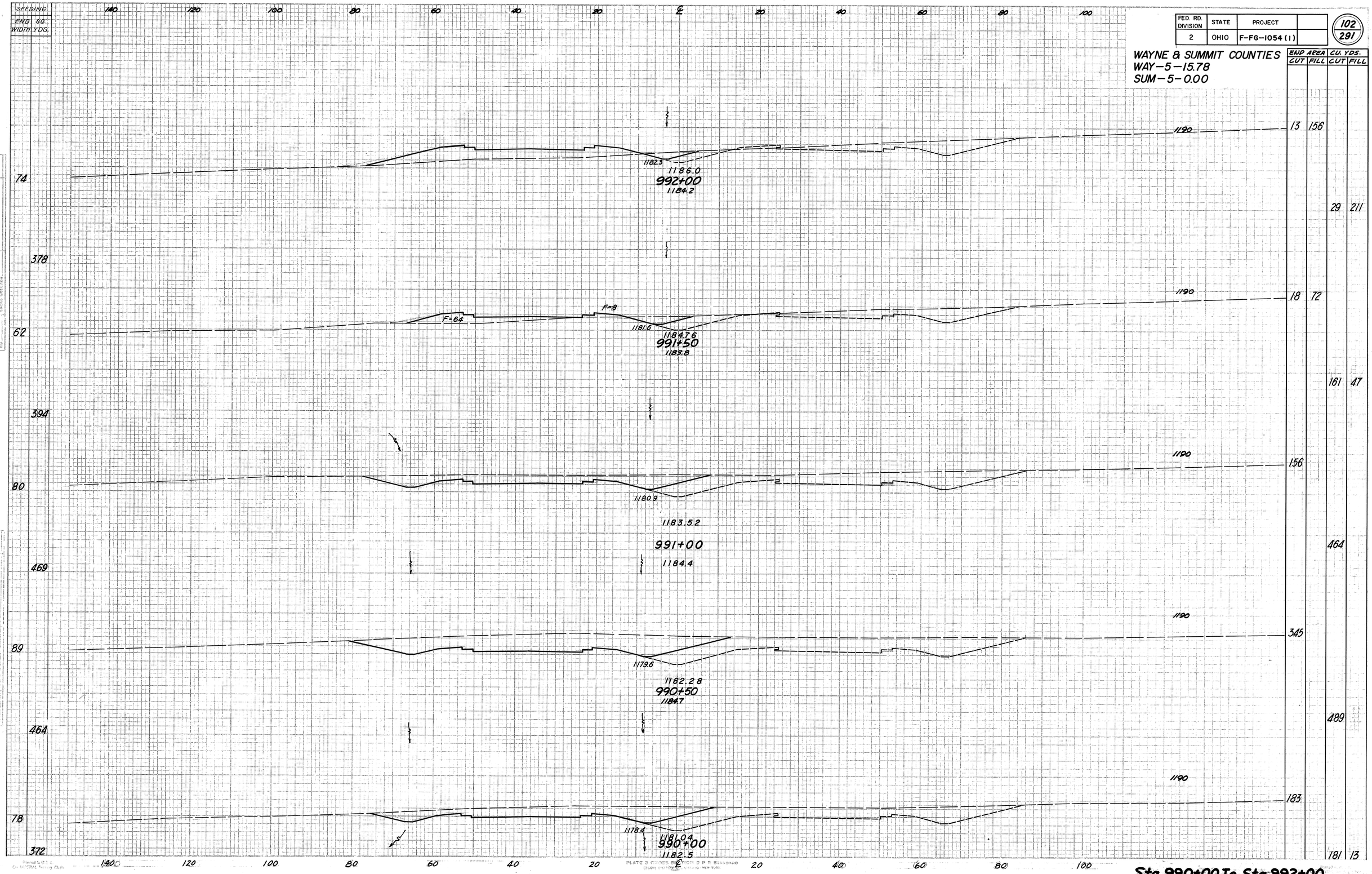
Add for Ditch

Sta. 988+00 To Sta. 989+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

102
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



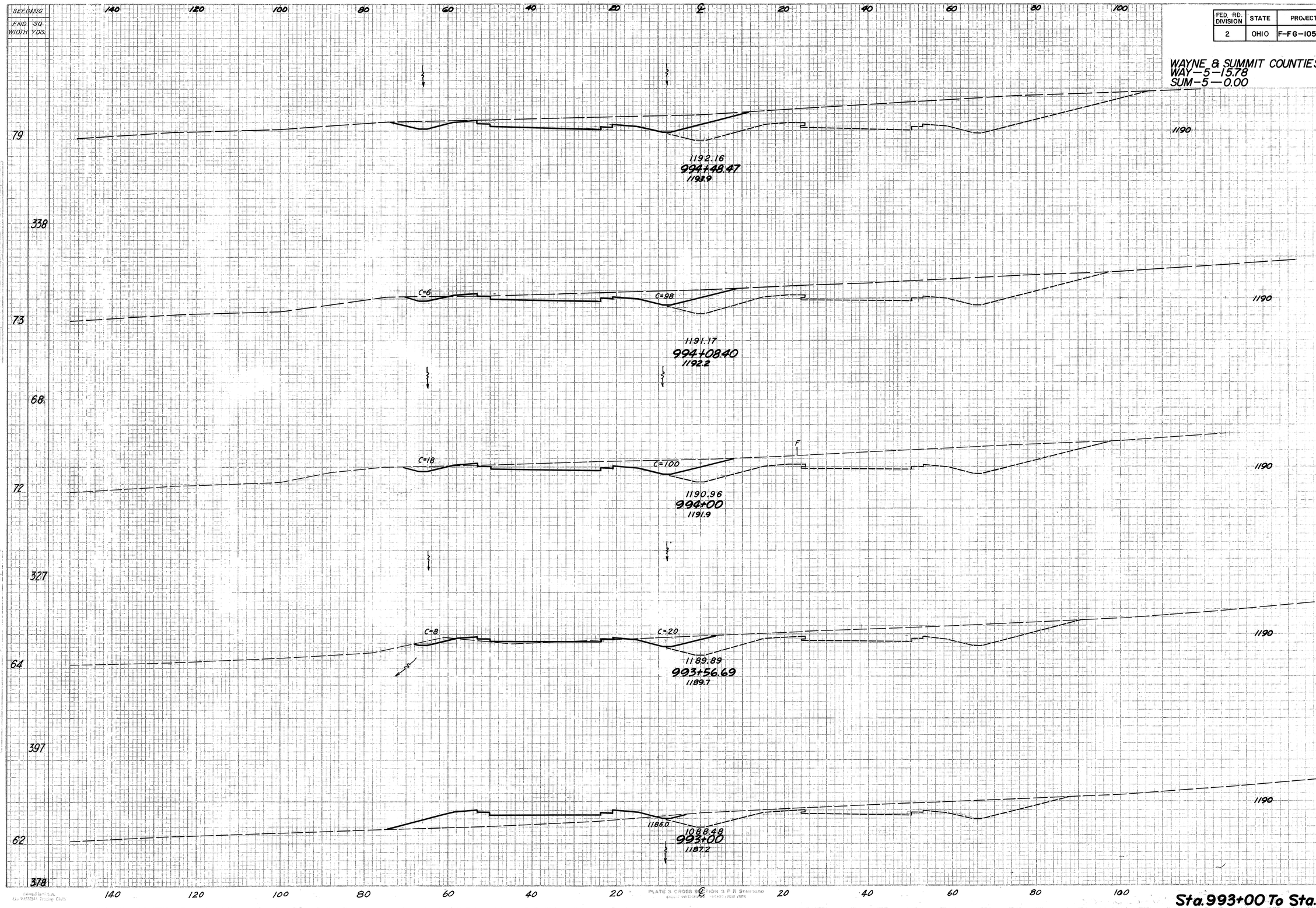
END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
13	156		
		29	211
18	72		
		161	47
156			
		464	
345			
		489	
183			
		181	13

Sta. 990+00 To Sta. 992+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

103
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
172			
		204	1
104	2		
		32	1
108	2		
		109	11
28	12		
		26	162
5	142		
		17	276

Sta. 993+00 To Sta. 994+48.47

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

104
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING		END AREA		CU. YDS.	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
		333	42		
				593	18
108					
	431	468			
				728	
86					
	400	515			
				675	
94					
	400	397			
				483	
86					
	375	255			
				316	
83					
	360				

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

1200

1197.12
996+48.47
1204.6

1196.13
996+08.47
1204.2

1195.14
995+68.47
1202.0

1194.15
995+28.47
1199.6

1193.15
994+88.47
1196.6

Sta 994+88.47 To Sta 996+48.47

FED. RD. DIV.(NO.)	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

105
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
126		301	55		
	692			351	291
123		78	259		
	462			68	528
111		29	544		
	502			27	925
115		8	705		
	540			21	715
128		20	260		
	524			261	224

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

1200.3

1202.12
998+50
1193.4

1200

1188.1 Dumped Rock

Structure @ Sta 998+08
Skew 53° Rt. Front

C=45
1200.1

998+00 Lt.
Begin Type I Paved Gutter

1200.98
998+04
1192.1

C=33
1188.3

1200

C=18
1194.5

C=9
1190.5

1200.10
997+68.47
1189.70

1200

C=6
1190.5

C=2
1192.0

1199.10
997+28.47
1190.9

1200

996+68 Lt.
End Type I Paved Gutter

C=10
1186.6

C=10
1195.7

1198.11
996+88.47
1198.0

1200

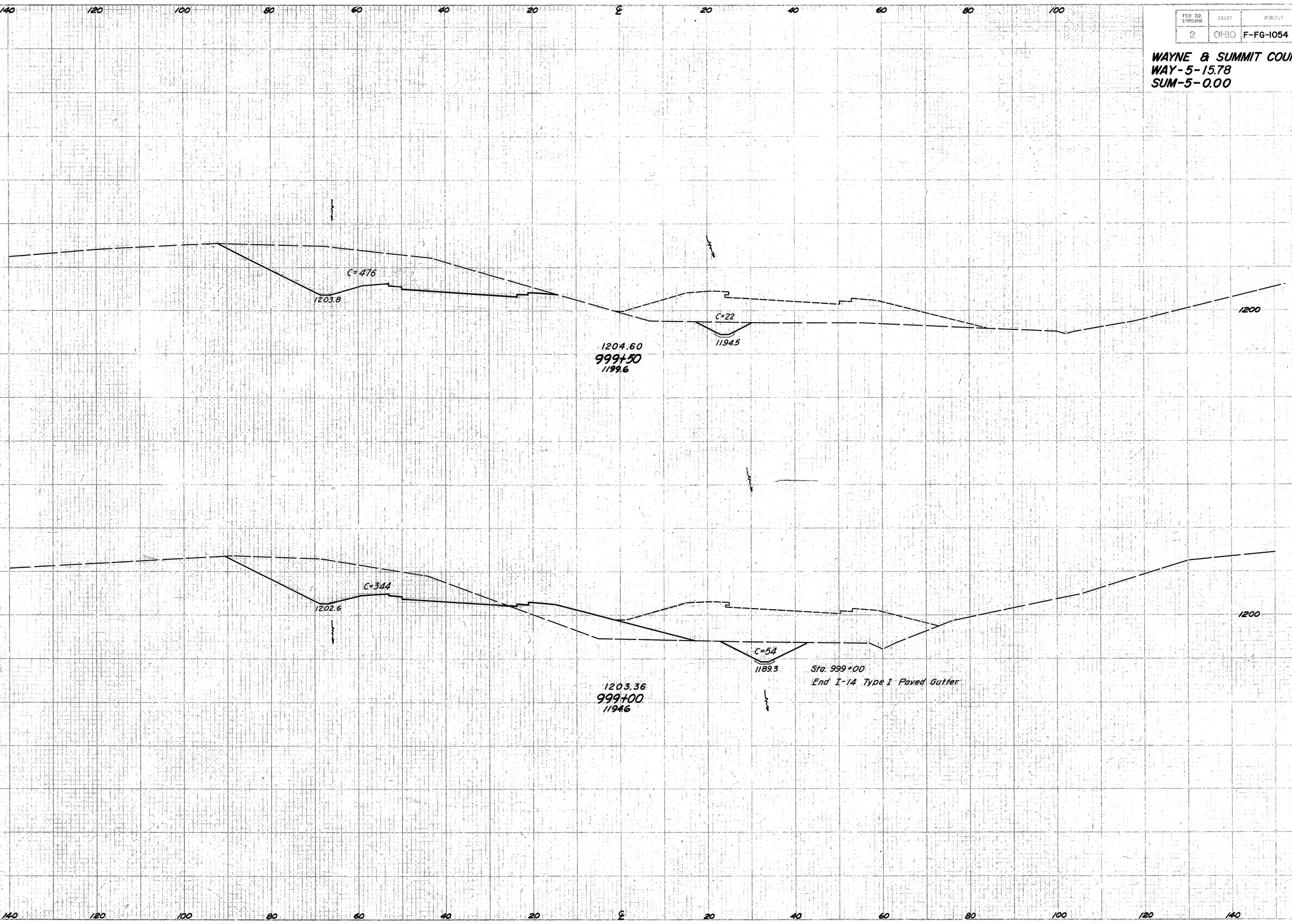
Sta. 996+88.47 To Sta. 998+50

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054 (1)

106
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING		END AREA		CU. YDS.	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
128			498		
711				830	128
128			398	138	
706				647	179



Sta 999+00 To Sta 999+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

107
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SQ. YDS.
100	
	519
87	
	514
98	
	497
87	
	481
92	
	611

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

1210.2
1207.9
1210.80
1002+00
1218.3

1209.0
1206.6
1209.56
1001+50
1215.2

C=39
F=3
1207.5
C=176
1205.4
1208.32
1001+00
1211.3

C=120
1206.3
C=16
1204.1
1207.08
1000+50
1205.3

1000+50
Begin 1-14 Paved Gutter Type I

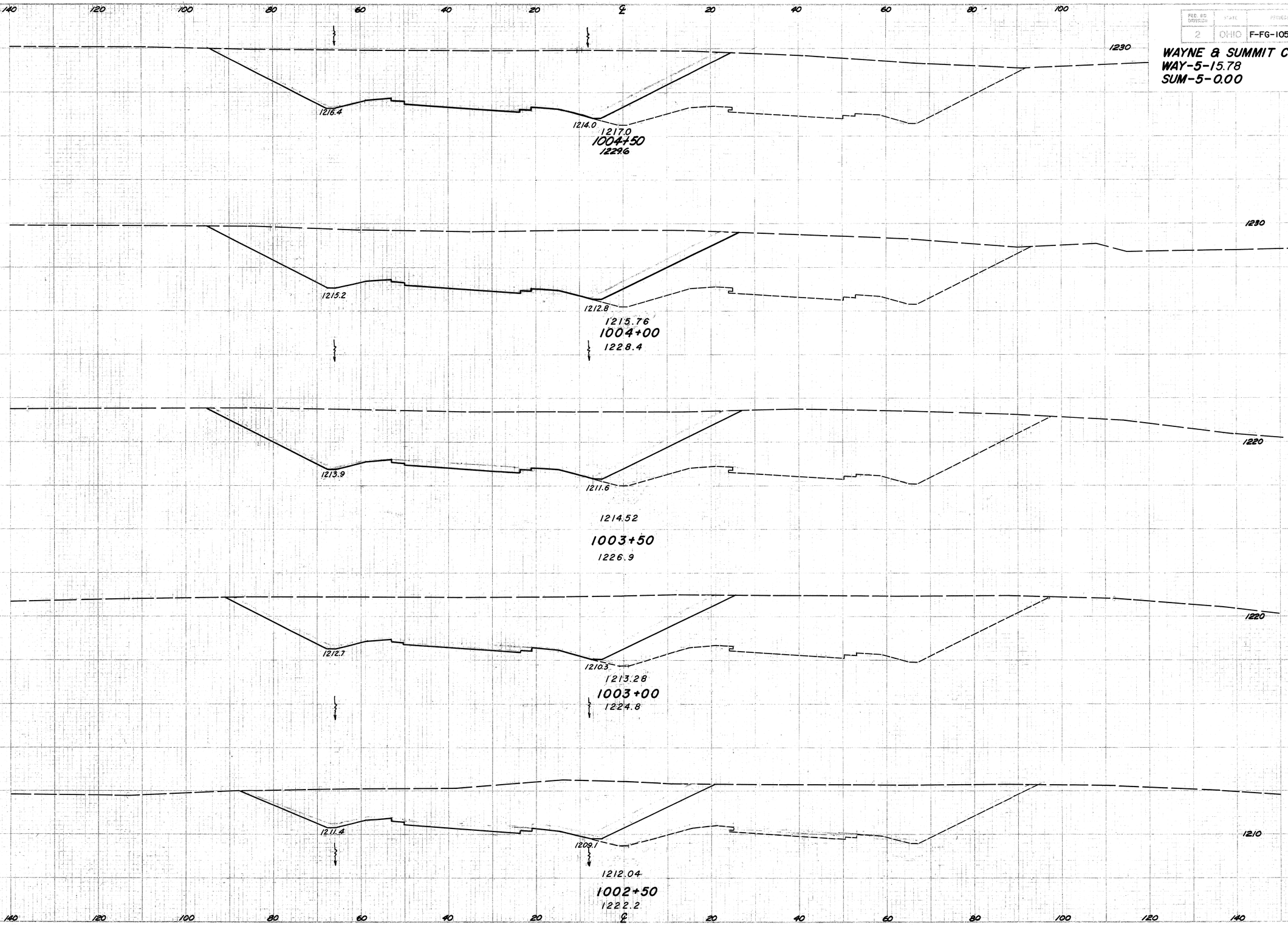
1205.0
1199.6
1205.84
1000+00
1203.8

1210

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
600			
		870	
340			
		514	
215	3		
		325	1
136	3		
		527	1
433			
		862	

Sta.1000+00 To Sta.1002+00

SEEDING	
END WIDTH	SQ. YDS.
120	672
122	678
122	658
115	614
106	572



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
1245			
		2316	
1256			
		2343	
1274			
		2216	
1119			
		1859	
889			
		1379	

FED. AID DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054(1)

108
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

Sta. 1002+50 To Sta. 1004+50

FED. RD. DIVISION	STATE	SHEET	
2	OHIO	F-FG-1054(1)	

109
291

WAYNE & SUMMIT COUTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
107		933			
	1206			3624	
110		1024			
	1217			3672	
109		959			
	1211			3514	
109		971			
	1244			4022	
115		1201			
	653			2265	

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

1225.7 1222.80 1226.34 1009+00 1235.6 — 1290

1224.0 1221.4 1224.58 1008+00 1234.8 — 1230

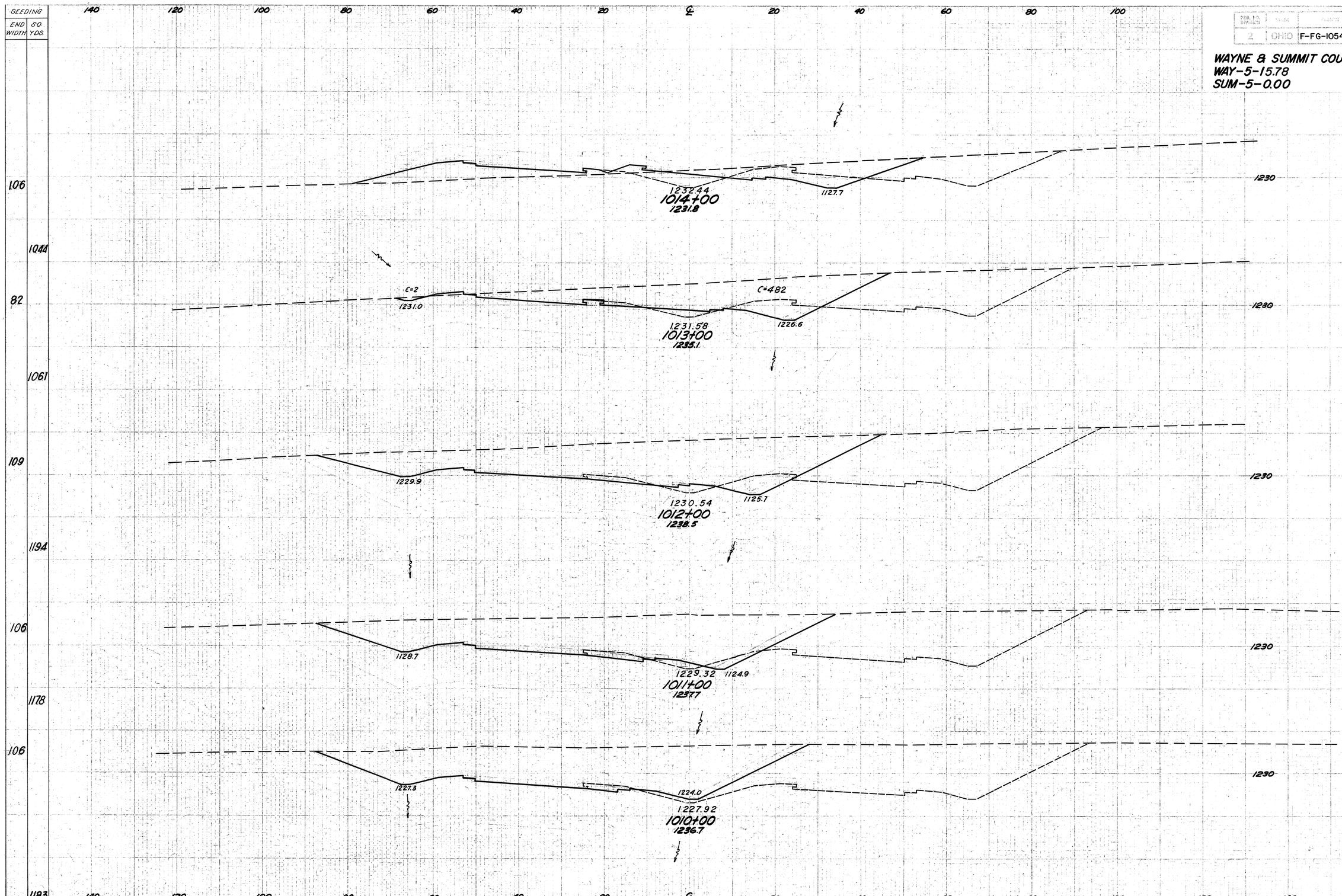
1222.0 1219.7 1222.64 1007+00 1232.5 — 1230

1219.9 1217.6 1220.52 1006+00 1230.5 — 1230

1217.6 1215.3 1218.22 1005+00 1229.8 — 1230

Sta. 1005+00 To Sta. 1009+00

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
174	154		
		1218	293
484	4		
		2648	1
946			
		3422	
902			
		3313	
887			
		3370	

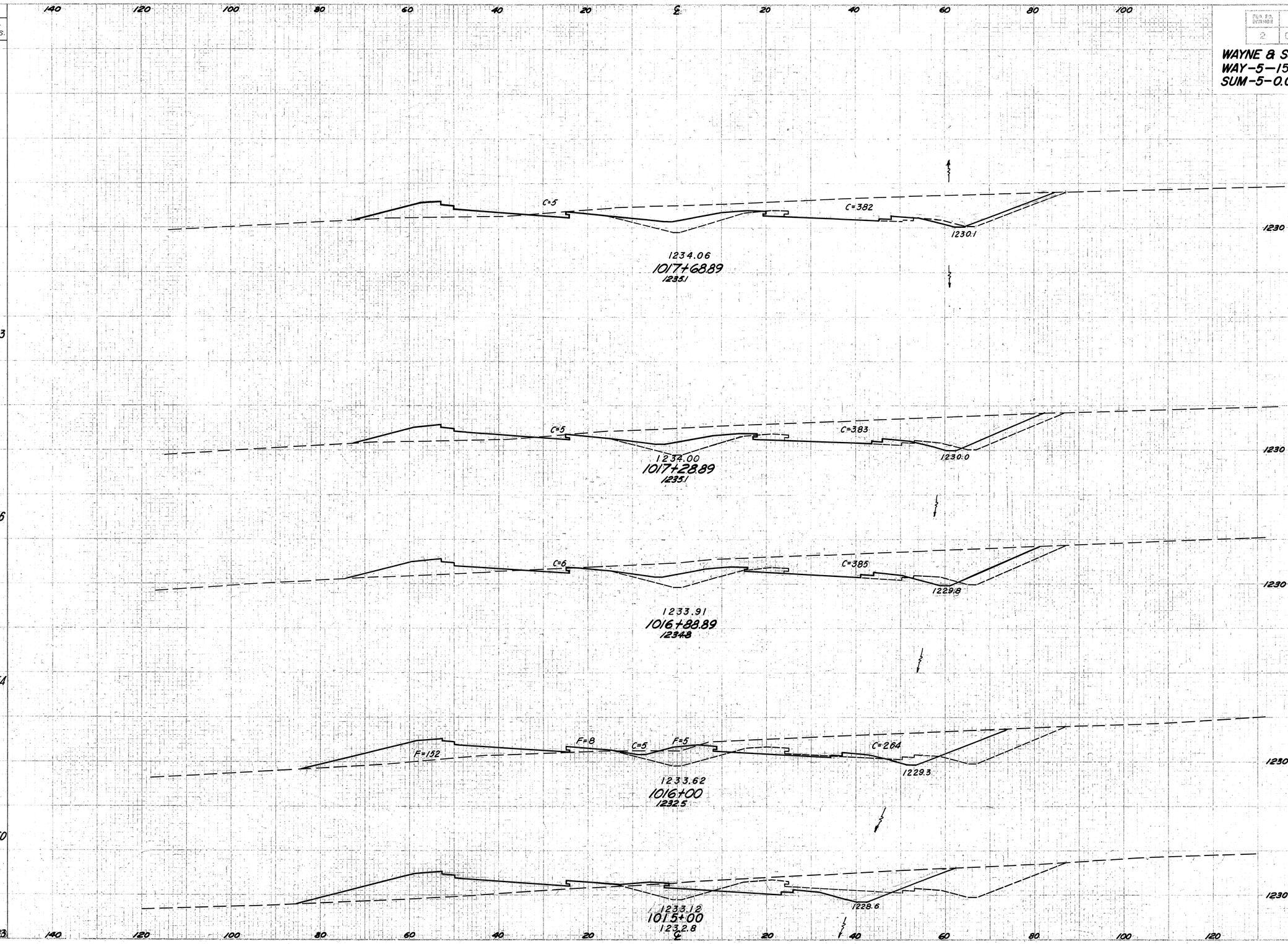
Sta 1010+00 To Sta 1014+00

SEEDING	
END WIDTH	SQ. YDS.
126	553
123	556
127	1254
127	1350
116	1233

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054(1)

111
291

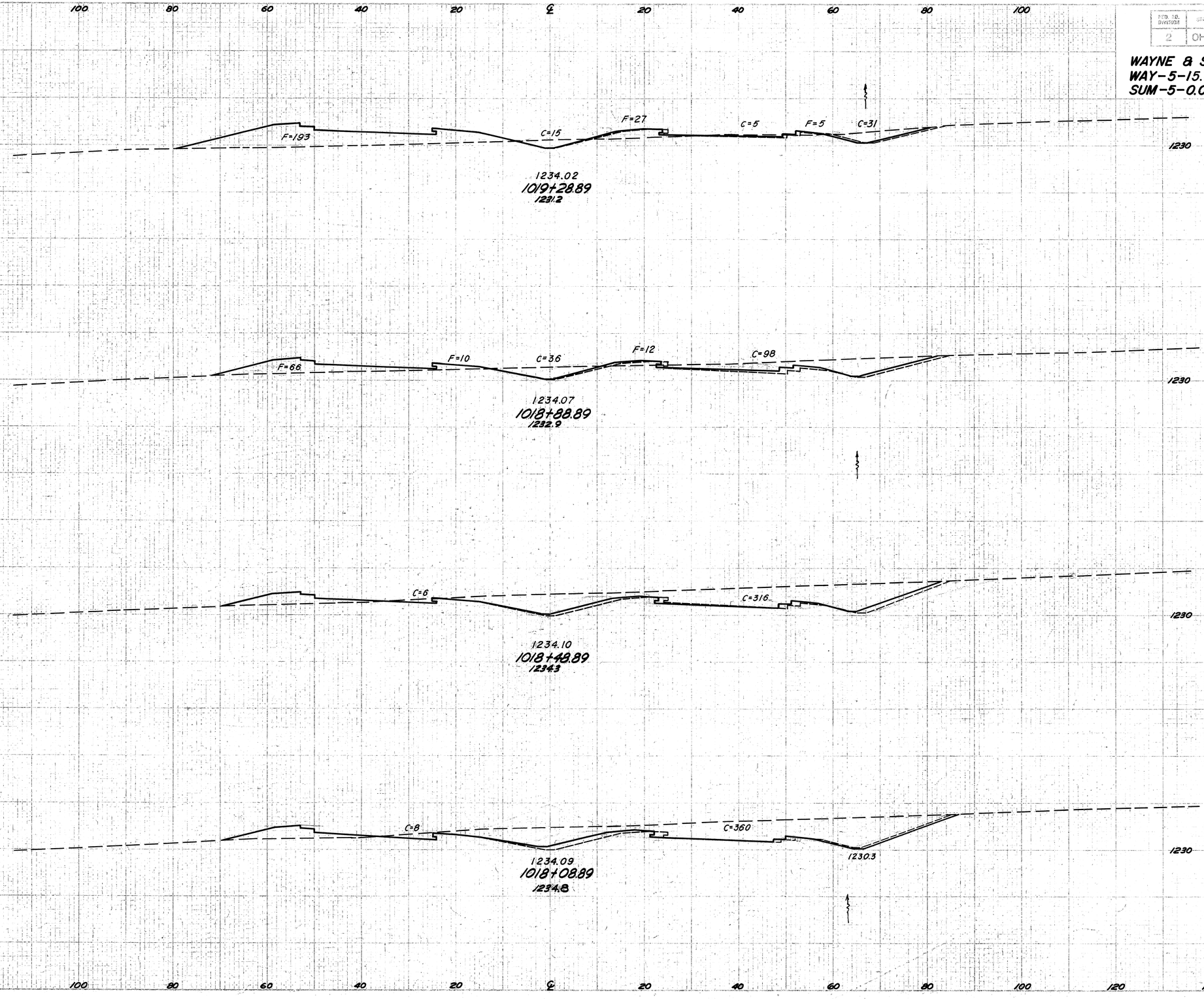
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
387	70		
		574	102
388	68		
		577	110
391	80		
		1086	403
269	165		
		919	689
227	207		
		743	669

Sta. 1015+00 To Sta. 1017+68.89

SEEDING	
END WIDTH	SQ. YDS.
129	
	560
123	
	549
124	
	560
128	
	564



STATE	PROJECT
OHIO	F-FG-1054 (1)

112
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
51	225		
		137	232
134	88		
		338	97
322	43		
		511	66
368	46		
		559	86

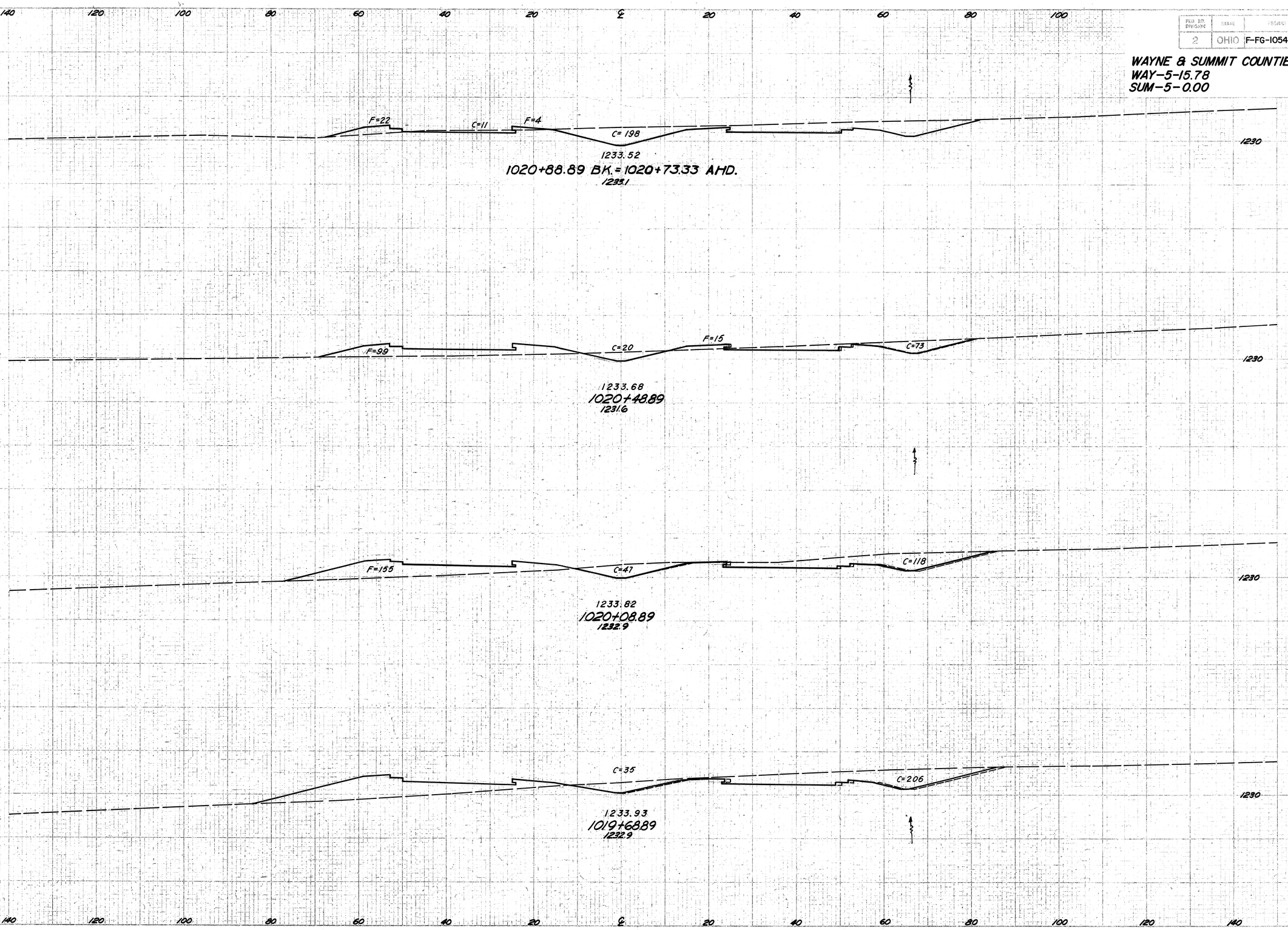
Sta. 1018+08.89 To Sta. 1019+28.89

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054 (1)

113
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
		209	26		
118					
				629	299
	533				
		93	114		
122					
				191	199
	569				
		165	155		
134					
				301	259
	611				
		241	195		
141					
				216	311
	600				



Sta. 1019+68.89 To Sta. 1020+88.89 BK. = 1020+73.33 AHD.

SEEDING	
END WIDTH	SQ. YDS.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

114
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5- 0.00

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
	742		
			1148

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

Catch Basin

1220

1233.07
1021+57
1235.6

Structure @ Sta. 1021+36
Skew parallel to Co. Rd. 209

EQUALITY : 1020+88.39 BK
=1020+73.33 AHD.

346

116

No. 2-2-A C.B.
Top Grate 1228.18
F/L Window 1228.28
I-2 F/L. 1226.00

I-2 Class B 15"

1220

1233.38
1021+00
1234.3

104

120 100 80 60 40 20 ℄ 20 40 60 80 100

114 5

Sta. 1021+00 to Sta. 1021+57

120	FED. RD. DIVISION	STATE	PROJECT	
	2	OHIO	F-FG-1054 (1)	

115
291

WAYNE & SUMMIT COUNTIES
WAY—5—15.78
SUM—5—0.00

SEEDING END SQ. WIDTH YDS.		END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
150	1231.06 1024+00 1235.7	1018		3948	
1672					
151	1232.01 1023+00 1237.7	1144		2086	
	1232.42 1022+50 1237.6	1109		1697	
	1232.77 1022+02 1236.6	800		668	
	1232.94 1021+78 1234.7	703		156	
				562	

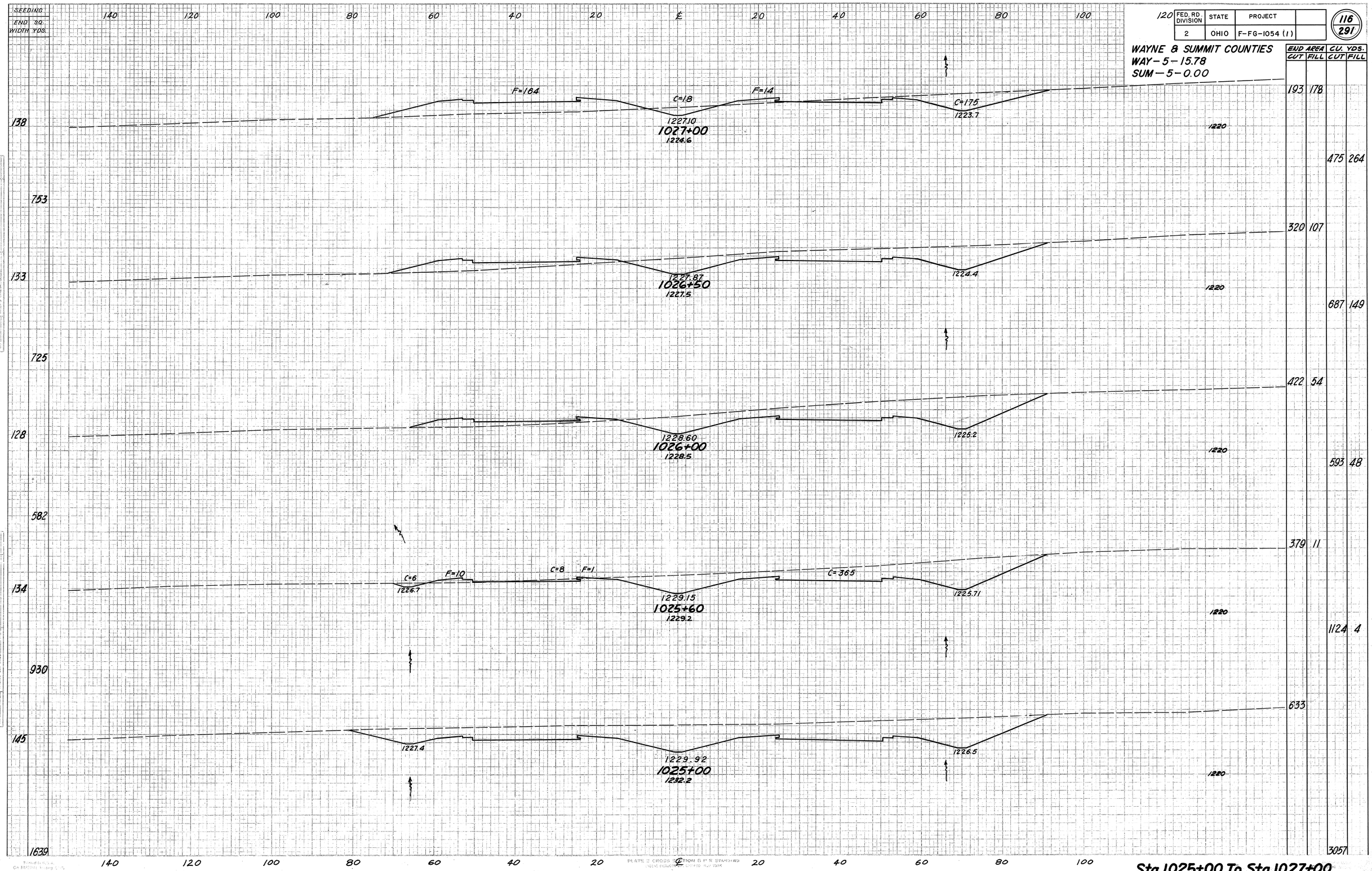
Add 2928 Sq. Yds @ Co. Rd. 209 between Stations 1021+00 - 1023+00

1230 1227.6
1230 1228.6
1230 1229.0
1230 1229.3
1230
Co. Road 209
For Details See Shts. 185-188
1230
Add for ditch

EP EP EP EP

PLATE 3 CROSS SECTION O.P.W.A. STANDARD
CROSS SECTIONS CHECKED

Sta. 1021+78 To Sta. 1024+00



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

116
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
193	178		
		475	264
320	107		
		687	149
422	54		
		593	48
379	11		
		1124	4
633			
		3057	

Sta.1025+00 To Sta.1027+00

120	FED. RD. DIVISION	STATE	PROJECT	
	2	OHIO	F-FG-1054(1)	

117
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING
END SQ. WIDTH YDS.

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
92	1005		
		212	1603
137	726		
		358	1022
252	378		
		1190	1404
391	380		
		785	1263
33	302		
			416

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

196 — 1086 — 195 — 1072 — 191 — 2194 — 204 — 1828 — 125 — 1461

1219.36
1031+00
1211.6

1220.45
1030+50
1214.8

104'
15" 0.9%
3'
I-2 Storm Sewer under pavement Class A
Elev. 1210.78
Std. PC-4 Endwall
1210.68
Type A Rip-Rap 6" Reinforced concrete 5' wide

1221.54
1030+00
1217.6
No. 2-2-A C.B.
T/G. 1216.94
FL. Window 1216.94
FL. 1211.70

1223.58
1029+00
1219.3

End Type I-B Paved Gutter
Sta. 1028+90

1225.42
1028+00
1222.0

Sta. 1028+00 Rt
Begin Type I-B Paved Gutter sides 1.5'

1209.6 1208.6 1212.8 1222.0 1210

PLATE 3 CROSS SECTION C P R STANDARD

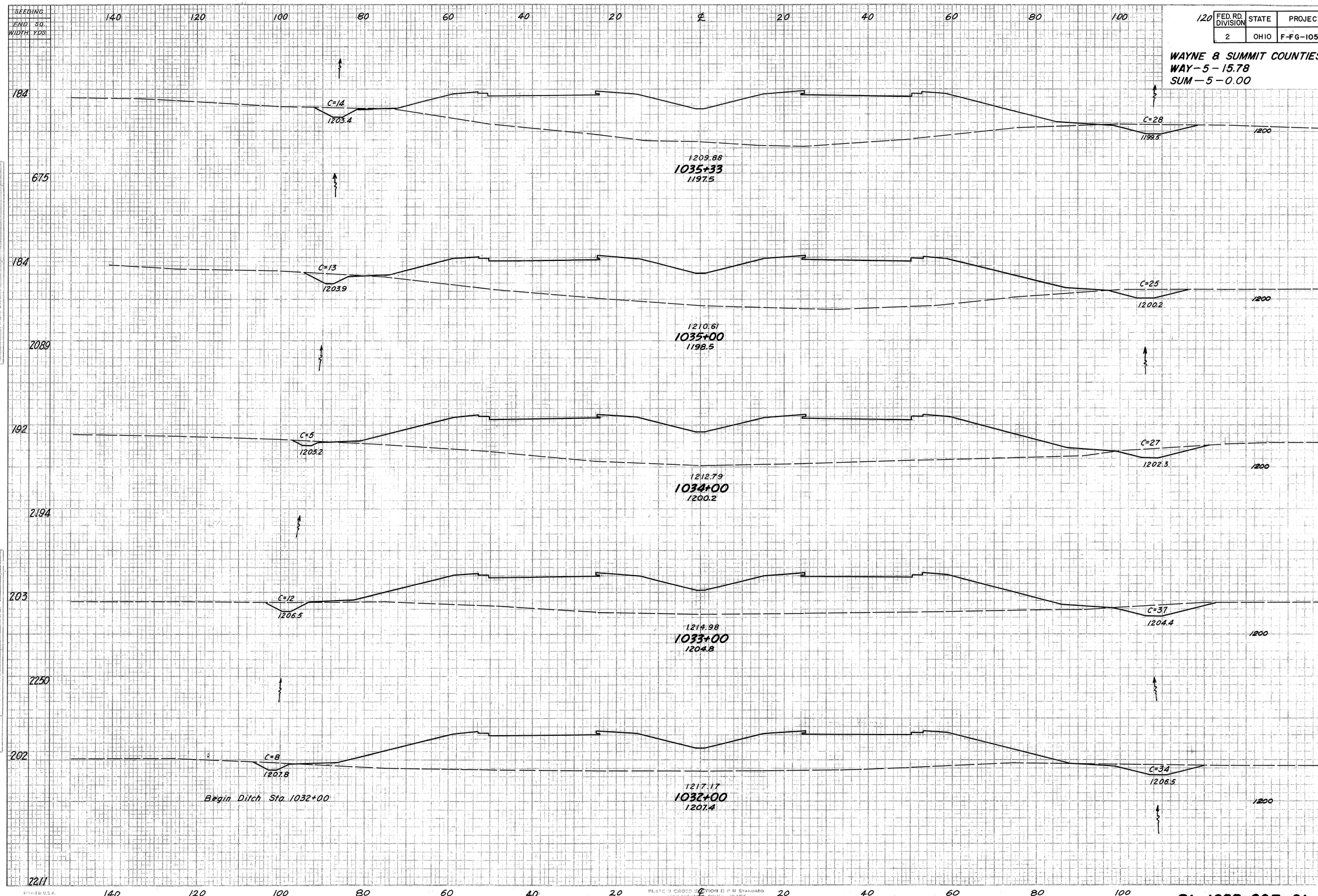
Sta. 1028+00 To Sta. 1031+00

FINAL SURVEY — SURVEYED — PLOTTED — TRACED — AREAS CHECKED — NOTE BOOK — PAGE — BY — DATE

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

118
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
42	1342		
		49	1666
38	1385		
		130	5224
32	1436		
		150	4868
49	1193		
		168	4454
42	1212		
		248	4106

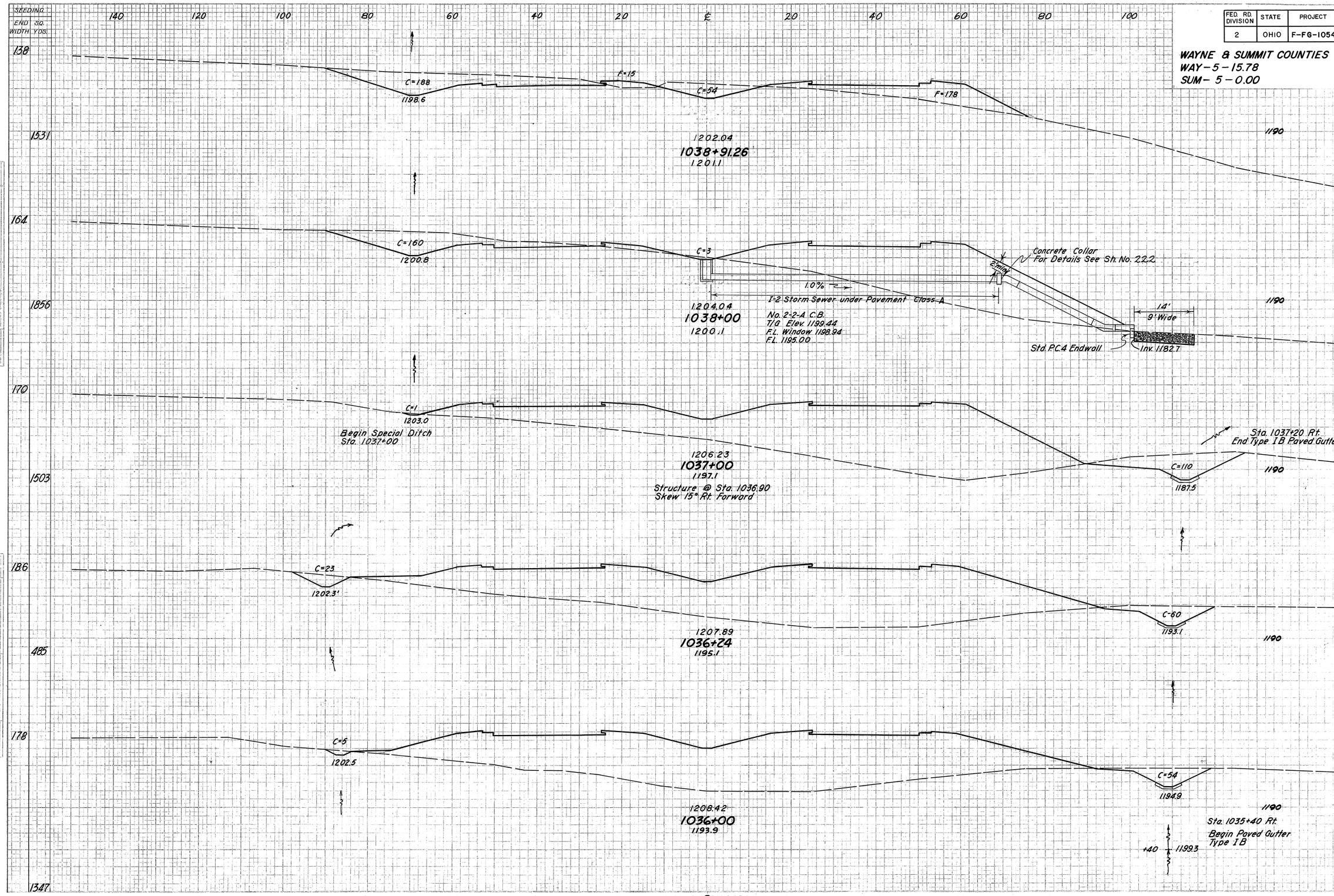
140 120 100 80 60 40 20 ℄ 20 40 60 80 100

Sta.1032+00 To Sta.1035+33

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

119
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
242	193		
		684	1702
163	814		
		507	3978
111	1334		
		269	4021
83	1523		
		63	1337
59	1485		
		125	3507

Sta. 1036+00 To Sta. 1038+91.26

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

120
291

WAYNE & SUMMIT COUNTIES
WAY—5—15.78
SUM—5—0.00

SEEDING
END WIDTH | SQ. YDS.

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
162			
1373			
		586	286
147			
1338			
		1358	839
		331	286
154			
680			
		1083	1069
		400	441
152			
684			
		535	731
		323	546
156			
1278			
		385	857
		197	613
		636	1168

1195.07
1042+10
1193.6
1190.5
1190

1196.82
1041+30
1194.5
1192.6
1190

1198.57
1040+50
1197.6
1194.6
1190

1199.45
1040+10
1198.3
1195.6
1190

1200.32
1039+70
1196.5
1196.6
C=195
C=2
F=4
F=6.09
1190

PLATE 3 CROSS SECTION B F R STANDARD

Sta.1039+70 To Sta.1042+10

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

121
291

WAYNE & SUMMIT COUNTIES
WAY—5—15.78
SUM—5—0.00

SEEDING

END WIDTH	SQ. YDS.
175	2000
185	997
174	953
169	1916
148	1398

140 120 100 80 60 40 20 **℄** 20 40 60 80 100

1080.1 — 1184.93 — **1046+00** — 1186.7 — 1178.5 — 1190

End Ditch Sta. 1046+50
Exc. for Ditch

1083.0 — 1187.82 — **1045+00** — 1190.4 — 1190

Begin Ditch Sta. 1045+00

0.5% — 10'

No. 2-2-A C.B. Mod
T/G 1183.56
F.L. Window 1183.06
F.L. 1180.00

I-2 Storm Sewer Under Pavement 15" Class A

Std. P.C.A Endwall

Elev. 1179.54

1084.4 — 1189.19 — **1044+50** — 1191.6 — 1190

1085.7 — 1190.51 — **1044+00** — 1191.0 — 1190

1088.4 — 1193.21 — **1042+91.26** — 1191.4 — 1190

	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
				78
	672	60		
			3170	241
	1040	70		
			1858	183
	967	128		
			1571	350
	730	250		
			191	92
	448	319		
			1556	910

PLATE 3 CROSS SECTION B P R STANDARD
SIDNEY HERSCHEL CHICAGO - NEW YORK

Sta. 1042+91.26 To Sta. 1046+00

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRACED — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRACED — AREAS CHECKED — BY — DATE

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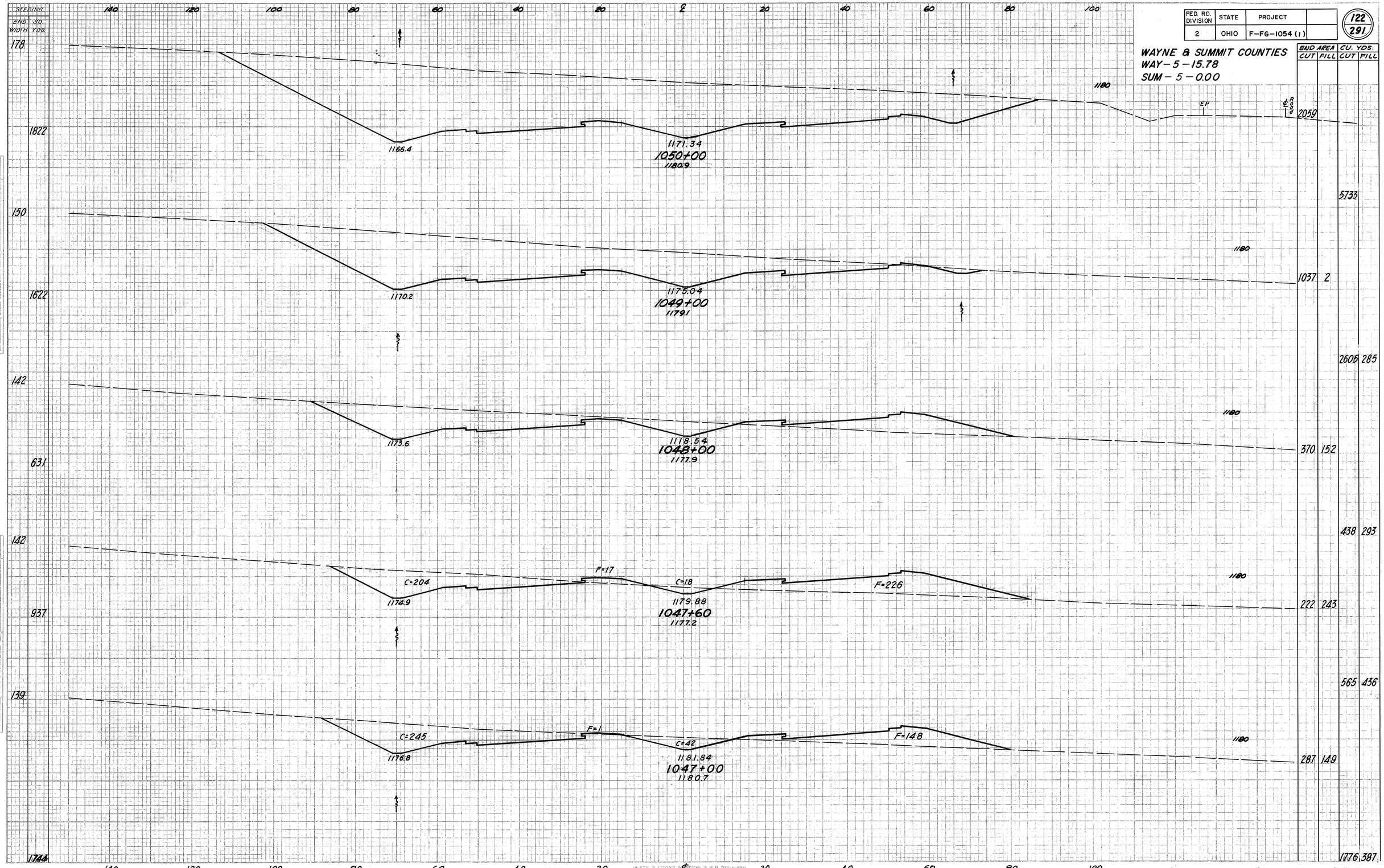
On MIMEOGRAPH Tracing Cloth

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

122
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
2059			
		5733	
1037	2		
		2605	285
370	152		
		438	293
222	243		
		565	436
287	149		
		1776	387

Sta.1047+00 To Sta.1050+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

123
291

WAYNE & SUMMIT COUNTIES
WAY—5—15.78
SUM—5—0.00

	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
177 / 1983				
180 / 992				8767
177 / 1124				
181 / 867				
178 / 989				

SEE DINO
END SQ. WIDTH YDS

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

1170 2305

1154.6
1159.44
1053+00
1172.3

Std. No. 2-2A Catch Basin
15" Pipe @ 1.0%
E.L. 1174.5
Storm Sewer at Sta. 1052+20
15" Sec. M-6.4(c)
2' Min.
2:1
13'
6' Wide
1158.6
Riprap, Type A
(6" Reinf. Concrete)

1170 2429

1163.44
1052+00
1176.3

Additional for Ditch Grading Twp. Rd. 61 50 4390

1170 2312

1160.6
1165.44
1051+50
1177.6

EP EP 1170 2122

1162.8
1167.70
1050+93.5
1178.3

EP EP 1170 2171

1164.5
1169.41
1050+50
1180.1

3458 4639 3917

PLATE 3 CROSS SECTION B. P. R. Standard
ENGINEERING DIVISION, CHIEF, NEW YORK

Printed in U.S.A.
On INVERSE Process Cloth

Sta. 1050+50 To Sta. 1053+00

ORIGINAL SURVEY
FINAL SURVEY
NOTE BOOK
PAGE
DATE
BY
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

120	FED. RD. DIVISION	STATE	PROJECT	
	2	OHIO	F-FG-1054 (1)	

124
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING

END WIDTH	SQ. YDS.	END AREA CUT	END AREA FILL	CU. YARDS CUT	CU. YARDS FILL
165	1365	830	33		
167	1475			2553	45
165	1322	1033			
				3622	
175	978	1412			
177	983	1942		4348	
		3817			
		2180			
		4153			

100 80 60 40 20 ℄ 20 40 60 80 100

1150

1142.1

No. 2-2-A C.B.
T/G. 1142.23
FL. Window 1142.73
FL. 1138.50

I-2 Storm Sewer Class A, under Pavement 1.0% 15" diam.

1137.1

1146.48
1056+24
1148.9

Note: Add 12" Thickness To Subbase
Sta. 1056+00 To Sta. 1057+50

Std. P.C.4 Endwall
Elev. 1137.67

Sta. 1056+24 Rt.
Begin Std. Type 1 Paved Gutter

1160

1144.8

1144.7

1149.44
1055+50
1152.9

1160

1147.9

1152.64
1054+70
1158.3

1160

1150.6

1155.44
1054+00
1165.1

1160

1152.6

1157.44
1053+50
1169.8

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

PLATE 8 CROSS SECTIONS P.R. STANDARD
LINEAR SCALE 1"=20' VERT. 1"=10'

Sta. 1053+50 To Sta. 1056+24

Printed in U.S.A.
Co. Imperial Tracing Cloth

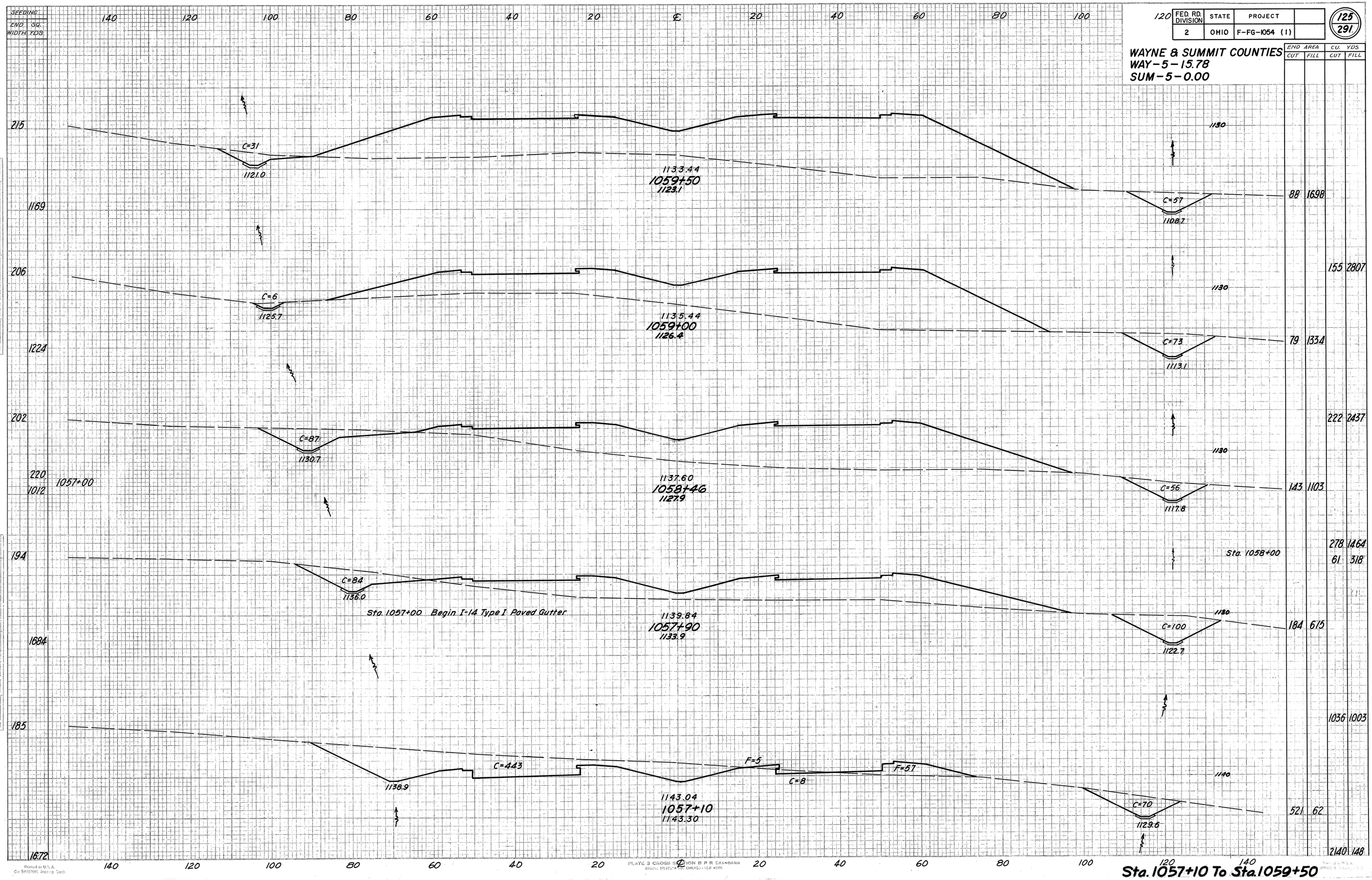
FINAL SURVEY
NOTE BOOK
NO.
DATE
BY
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

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

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

125
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
88	1698		
		155	2807
79	1334		
		222	2437
143	1103		
		278	1464
		61	318
184	615		
		1036	1003
521	62		
		2140	148

Sta. 1057+10 To Sta. 1059+50

PLATE 3 CROSS SECTION B P R STANDARD

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

126
291

WAYNE & SUMMIT COUNTIES
WAY—5—15.78
SUM—5—0.00

SEEDING
END SQ. WIDTH YDS.

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
	93		3959
		370	13848
	107		3519
		302	12030
	56		2977
		131	5162
	86		2598
		167	4449
	95		2207
		169	3616

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

255 C=52 1095.1

Concrete Collar For details, see Sh. 222

15"@1.0%

I-2 Storm Sewer under pavement Class A

No. 2-2-A. C.B. T/G 1114.84 FL. Window 1114.34 FL. 1111.00

2' Min.

Sec. M-6.4 (C)

1119.44
1063+00
1094.9

Outlet Elev. 1186.50

9' 15" Conc.

1090

C=41

30°

Sta. 1062+95 Rt.
End Type I Std. Paved Gutter
Begin Dumped Rock Fill
Vol= 13.0 c.y.

1186.0

2761 C=47 1101.0

1123.44
1062+00
1100.6

1100

C=60

1192.5

2589 C=32 1106.9

1127.44
1061+00
1109.1

1110

C=24

1099.0

224 C=58 1111.6

1129.44
1060+50
1113.4

1110

C=28

1102.2

1233

1222

216 C=34 1116.3

1131.44
1060+00
1117.2

1110

1105.5

1197

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

PLATE 3 CROSS SECTION G.T.R. STANDARD

Sta. 1060+00 To Sta. 1063+00

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Cat. 1MP0201 Trans. 2004

FINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(11)	

127
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING				END AREA		CU. YDS.	
END	SQ.			CUT	FILL	CUT	FILL
WIDTH	YDS.						
140 120 100 80 60 40 20	℄	20 40 60 80 100					
246	Orchard C=38 1081.1	℄Ditch F	F	50	3697		
		1105.44 1066+50 1082.6					
1361				85	7095		
244	Orchard C=35 1081.8	℄Ditch F	F	42	3966		
		1107.44 1066+00 1082.9					
2778	Sta. 1065+25 End Paved Gutter					309	15159
256	C=111 1083.3						
		1111.44 1065+00 1086.1		125	4220		
2839						363	15557
255	C=38 1089.2						
		1115.44 1064+00 1090.4		71	4181		
2833						304	15074
140 120 100 80 60 40 20	℄	20 40 60 80 100 120 140					

1090 C=12 1078.6
1090 C=7 1079.7
1090 C=14 1081.8
1090 C=33 1083.9

PLATE 9 CROSS SECTION @ P.R. STANDARD
FRONT ROYAL, VA. CHESTER, NEW YORK

Sta. 1064+00 To Sta. 1066+50

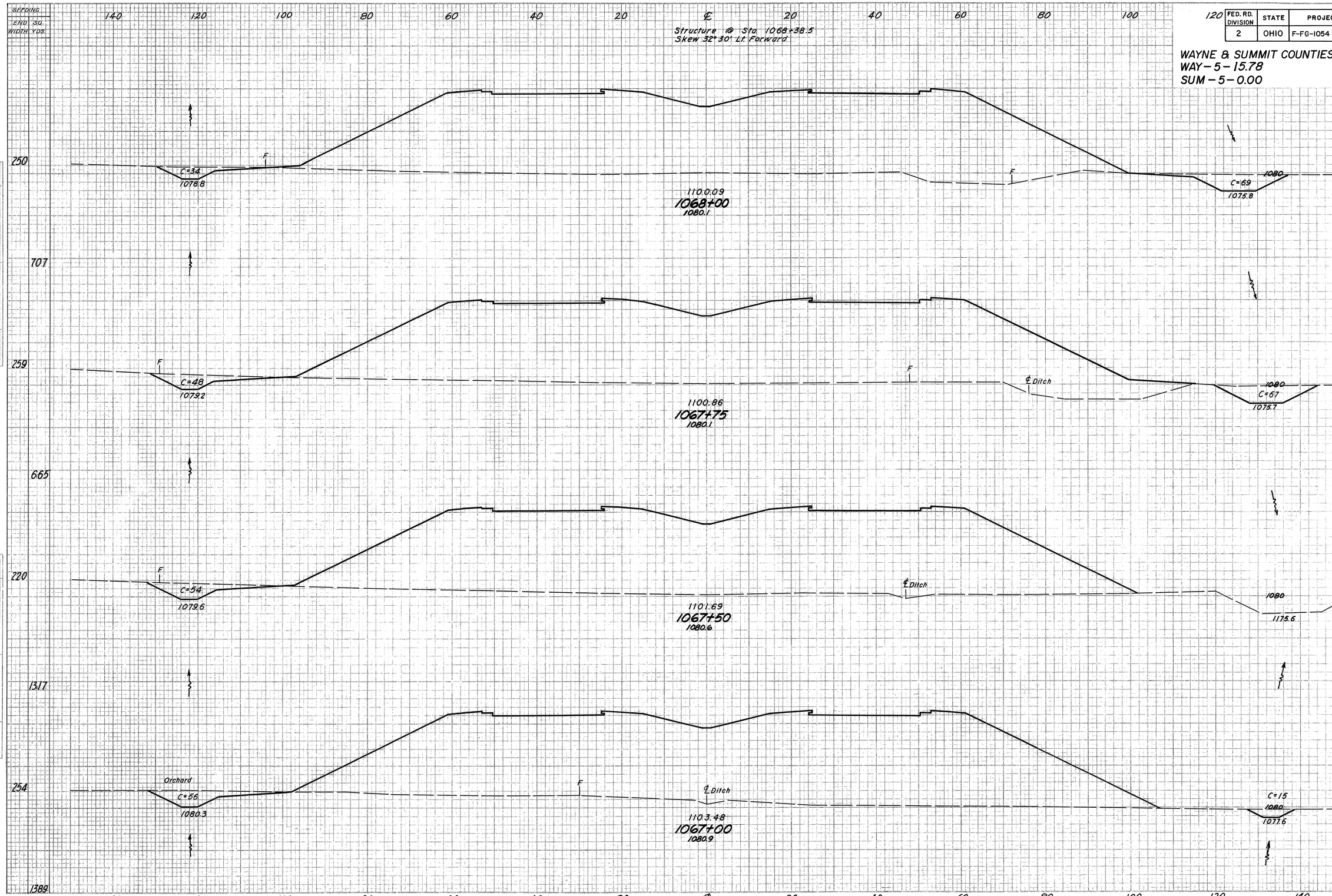
ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — VOLUMES — AREAS — AREAS CHECKED — BY — DATE

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — RECOVER — AREAS — AREAS CHECKED — BY — DATE

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

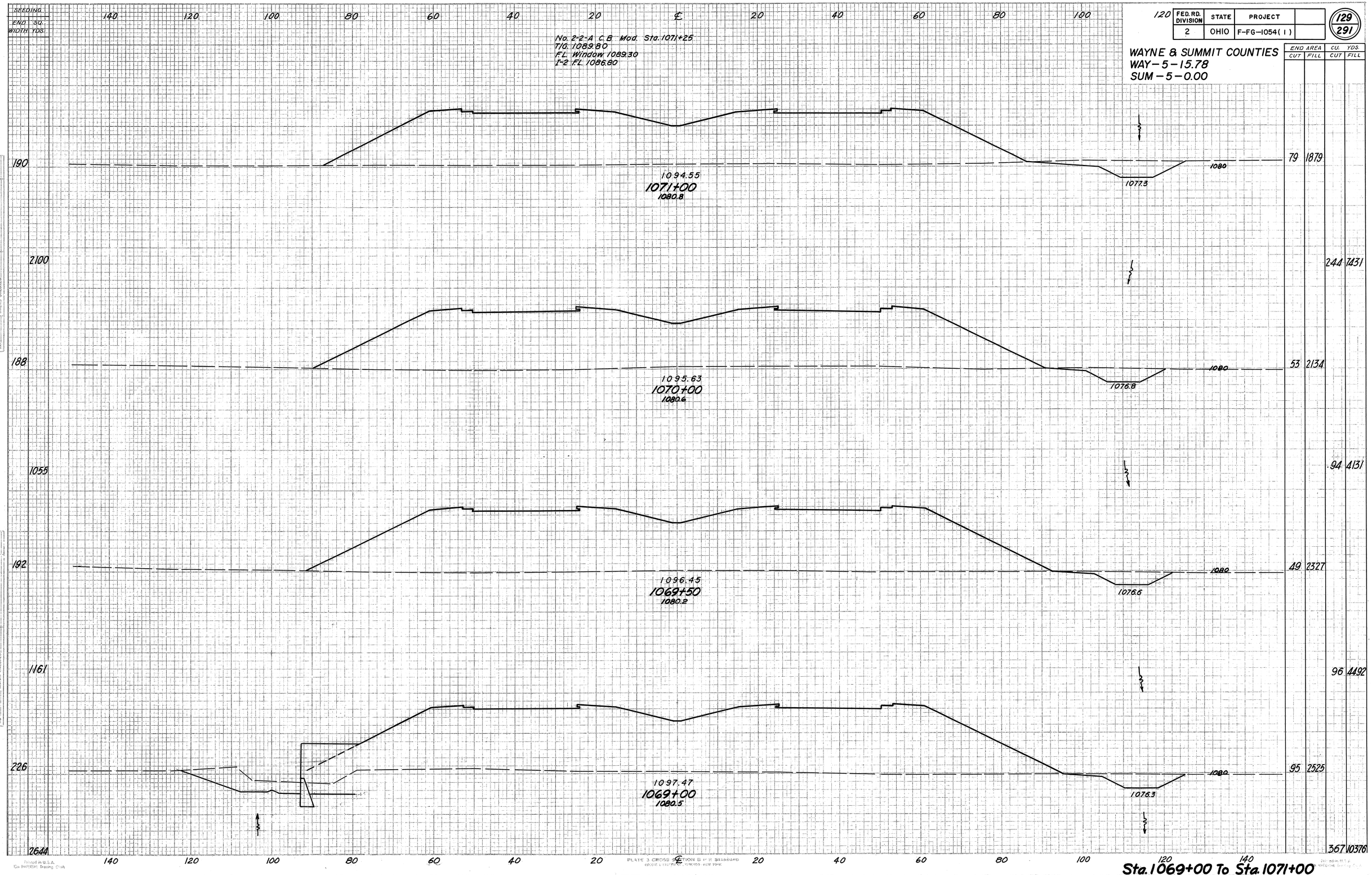
128
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL

Sta. 1067+00 To Sta. 1068+00



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

129
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
79	1879		
		244	7431
53	2134		
		94	4131
49	2327		
		96	4492
95	2525		
		367	10376

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

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

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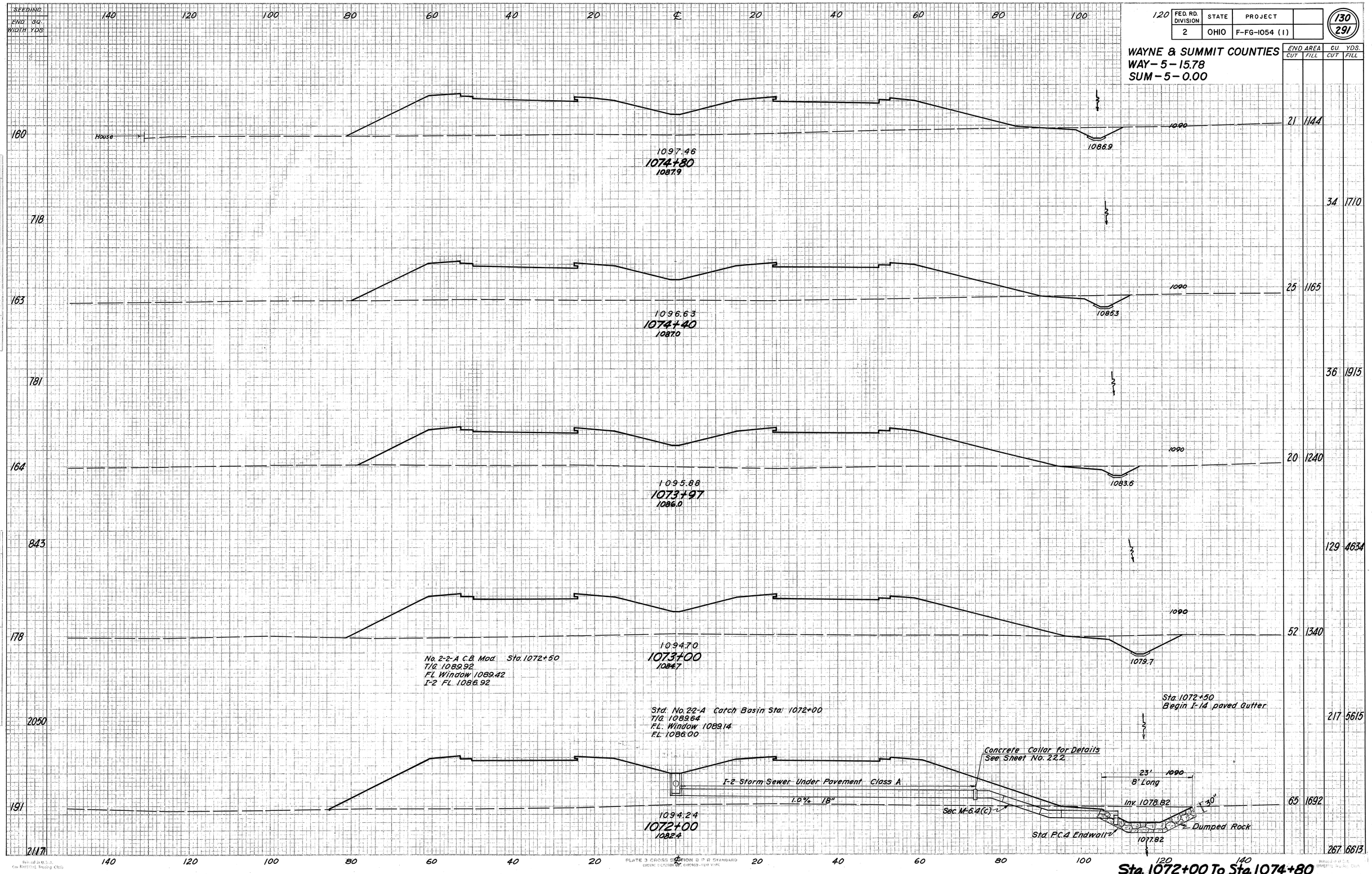
PLATE 3 CROSS SECTION B P R STANDARD

Sta. 1069+00 To Sta. 1071+00



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

130
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
21	1144		
		34	1710
25	1165		
		36	1915
20	1240		
		129	4634
52	1340		
		217	5615
65	1692		
		267	6613

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

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

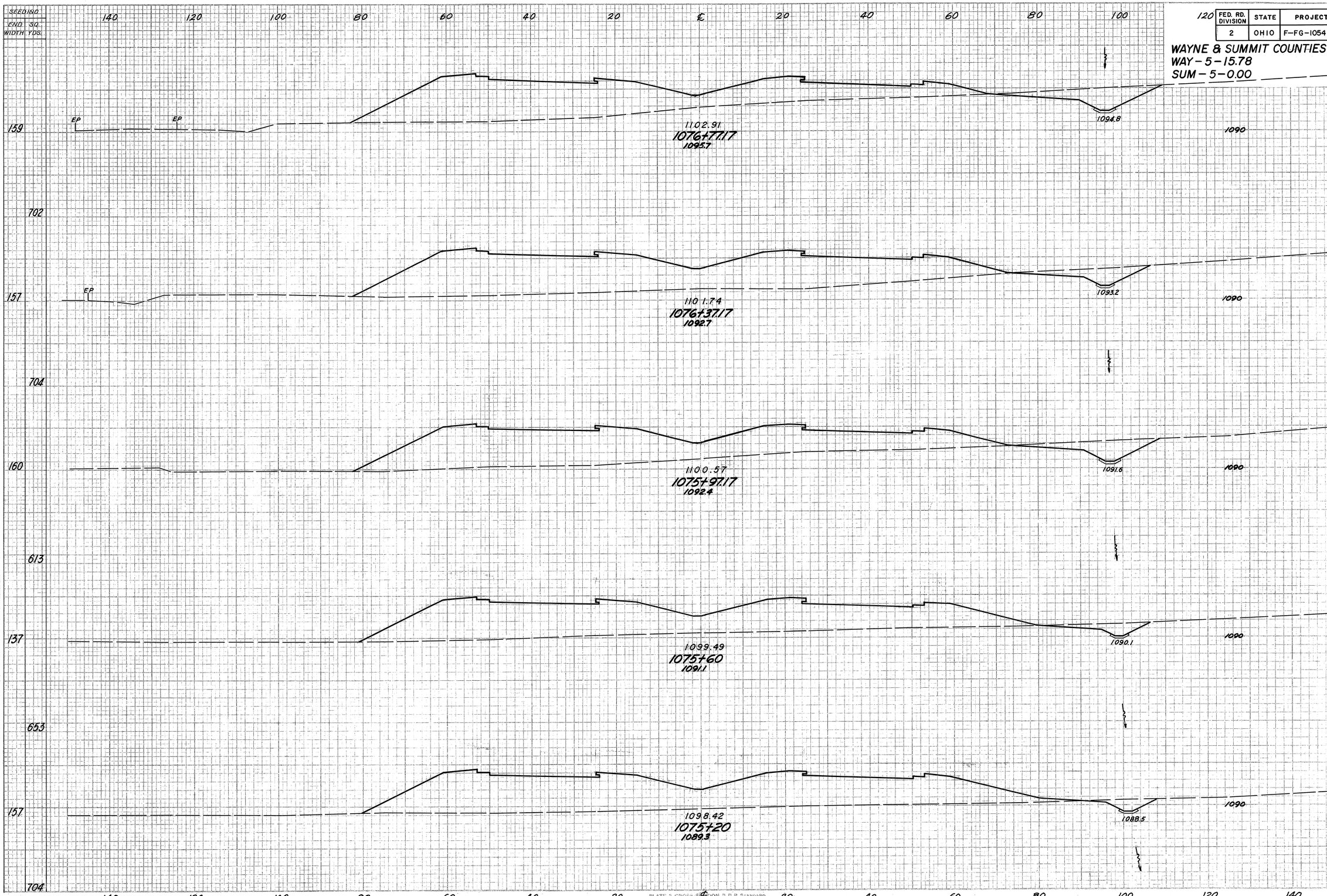
PLATE 3 CROSS SECTION B.P.R. STANDARD

Sta. 1072+00 To Sta. 1074+80

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

131
291

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
94	873		
		110	1457
55	1094		
		95	1504
73	936		
		72	1334
31	1002		
		39	1536
22	1072		
		32	1641

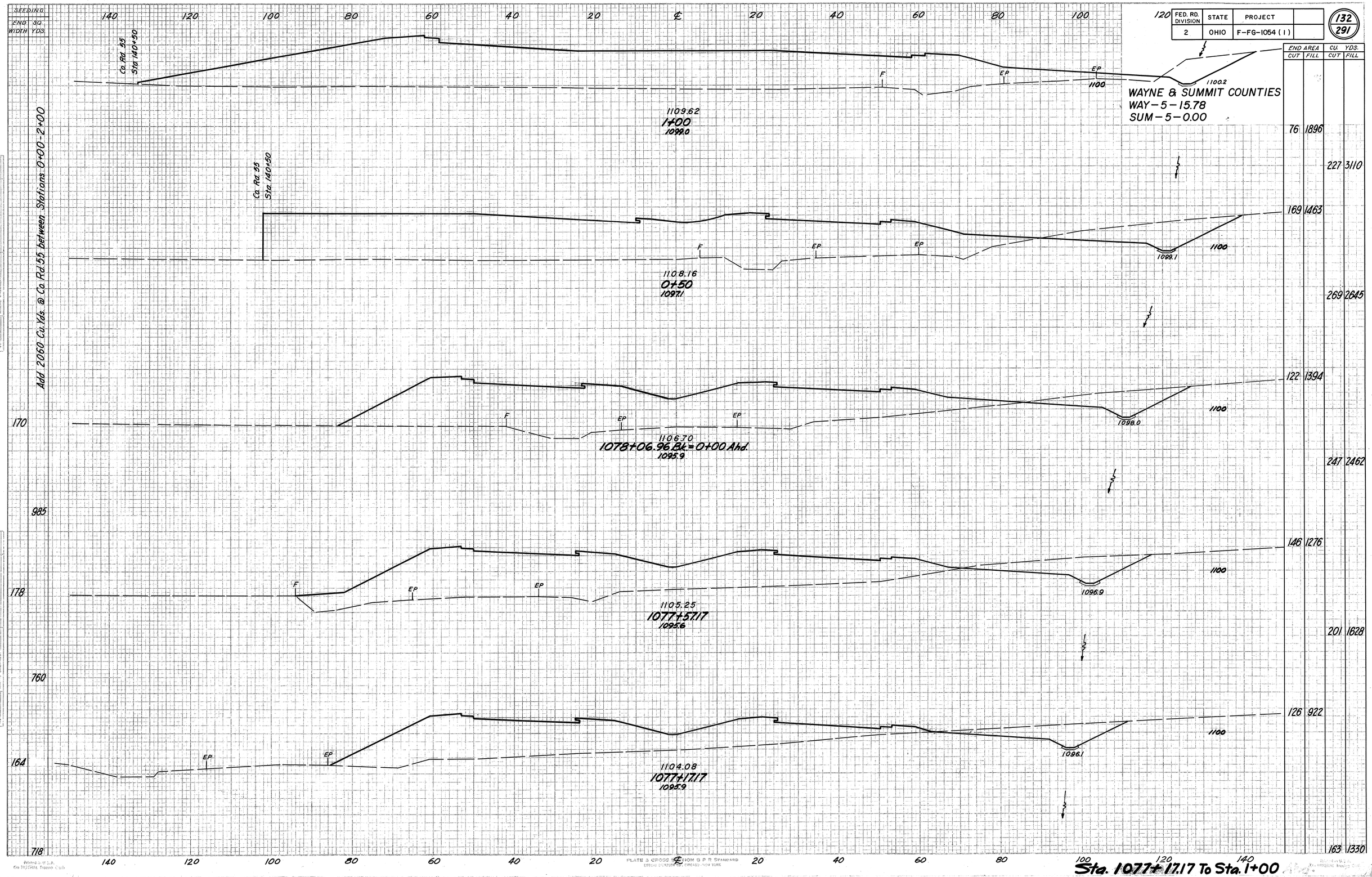
FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

Printed in U.S.A. On NATIONAL Tracing Club

PLATE 5 CROSS SECTION B.P.R. STANDARD
CHEQUE DIVISION OF STANDARD NEW YORK

Sta.1075+20 To Sta.1076+77.17



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

132
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

Sta. 1077+17.17 To Sta. 1+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

133
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING
C/ND 30
WIDTH YDS.

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
130				
1117.5				
1118.38 4+00 1118.0				
F 1110	181	124		
789				
			198	707
154				
1114.2				
1116.92 3+50 1111.8				
F 1110	33	640		
886				
			71	1498
165				
1111.0				
1115.46 3+00 1107.4				
F 1112	44	978		
958				
			74	2085
180				
1107.7				
1114.00 2+50 1104.6				
F 1110	36	1274		
978				
No. 2-2-A C.B. Modified T/G. 1108.21 F.L. Window 1107.71 F.L. 1105.00				
			49	2476
172				
1.0% 15"				
Type A Rip-Rap 3' 5' Wide				
Sta. P.C.4 Endwall F.L. 1104.08				
I-2 Storm Sewer Under Pavement Class A				
1112.54 2+00 1102.9				
F 1110	17	1400		
			55	6104

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

PLATE 3 CROSS SECTION B.P.R. STANDARD

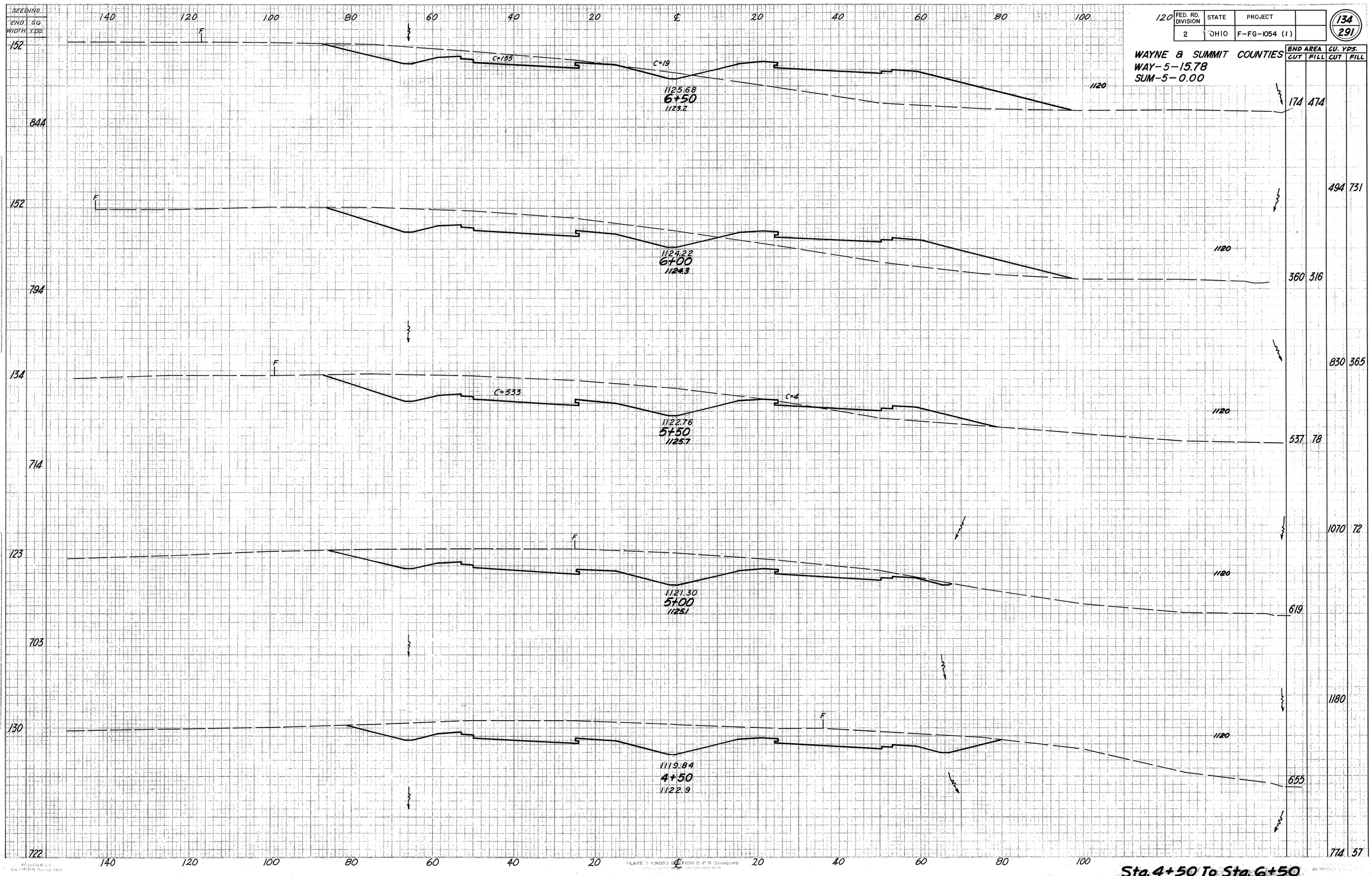
Sta. 2+00 To Sta. 4+00

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

FINAL SURVEY
NOTE BOOK
BY
DATE

Printed in U.S.A.
The ROBERTSON Printing Co.Oh

1054



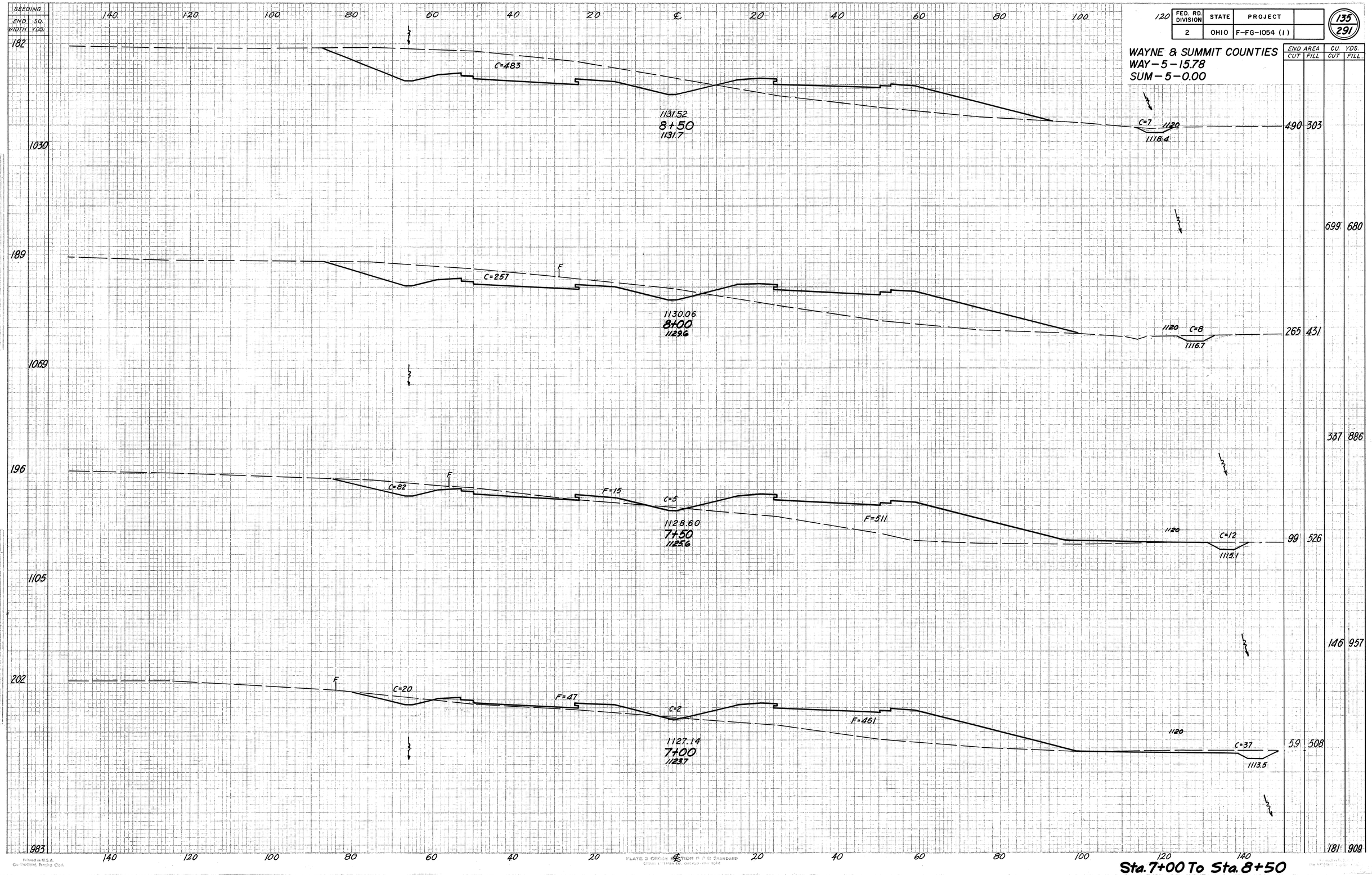
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

134
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
174	474		
		494	731
360	316		
		830	365
537	78		
		1070	72
619			
		1180	
655			
		774	57

Sta. 4+50 To Sta. 6+50



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

135
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
490	303		
		699	680
265	431		
		337	886
99	526		
		146	957
59	508		
		181	909

Sta. 7+00 To Sta. 8+50

120	FED. RD. DIVISION	STATE	PROJECT	
	2	OHIO	F-FG-1054 (1)	

136
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING
END SQ.
WIDTH YDS.

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

144 — 1136.5 — F — 1138.0 — 1140

800

1137.36
10+50
1143.6

144 — 1135.0 — 1132.4 — 1130 — 1200

819

1135.90
10+00
1142.9

151 — 1133.6 — F — 1130 — 1126.2 — 1115

894

1134.44
9+50
1140.9

171 — F — 1130

No. 2-2-A Mod. C.B.
T/a. 1128.65
F.L. Window 1128.15
F.L. 1125.00

1132.98
9+00
1135.4

I-2 Storm Sewer under pavement Class A — 4.5% — 15" — 30"

18' 10' Wide

Std. P.C.A Endwall
Elev. @ outlet 1120.46

I-10 Dumped Rock
17 cy

980

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
			2167
			2144
		1574	65
		585	117
		995	389

PLATE 5 CROSS SECTION © P R STANDARD
CHIEF ENGINEER, ALBANY, NEW YORK

Sta. 9+00 To Sta. 10+50

SEEDING END WIDTH	SQ. YDS.
140	
120	
100	
80	
60	
40	
20	
℄	
20	
40	
60	
80	
100	
120	
140	

120	FED. RD. DIVISION	STATE	PROJECT	
	2	OHIO	F-FG-1054(1)	

137
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
145			
		942	
	1140		
803			
			1740
144			
		937	
	1140		
800			
			1779
144			
		984	
	1140		
806			
			1933
146			
		1104	
	1140		
806			
		2078	

1143.20
12+50
1147.8

1141.74
12+00
1146.1

1140.28
11+50
1145.5

1138.62
11+00
1144.7

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

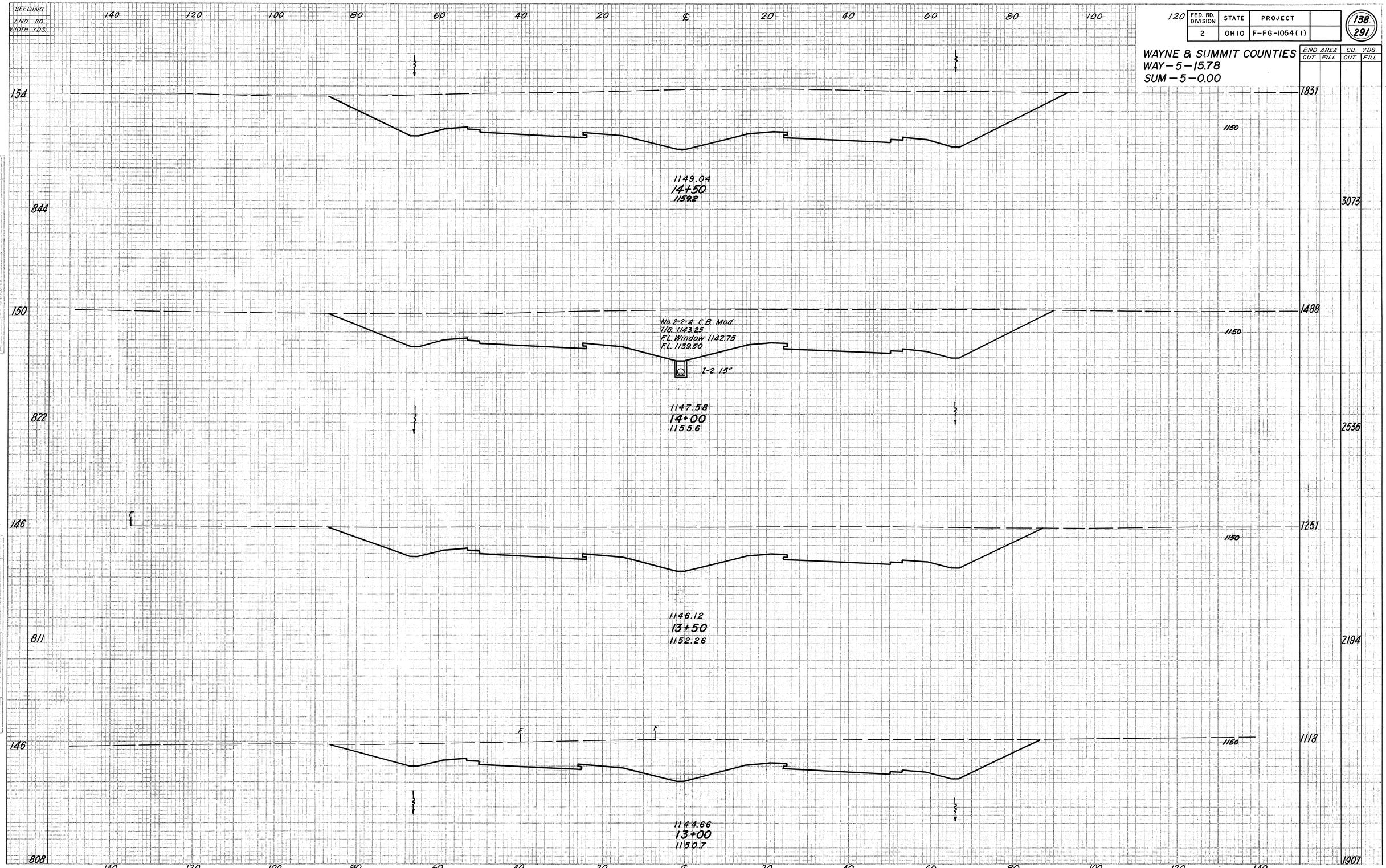
PLATE 2 CROSS SECTION B P R STANDARD

Sta 11+00 To Sta 12+50

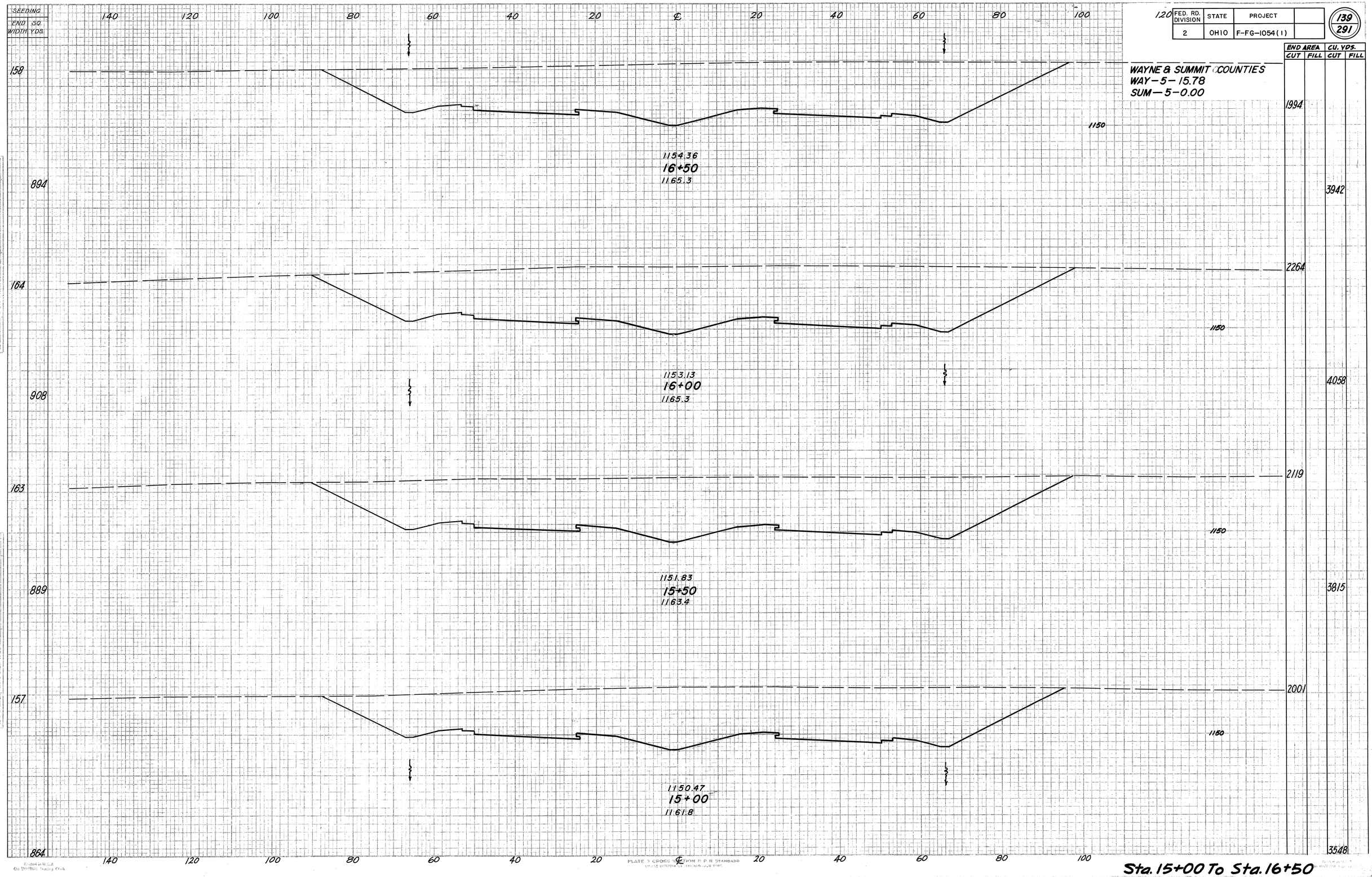
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

138
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



Sta. 13+00 To Sta. 14+50



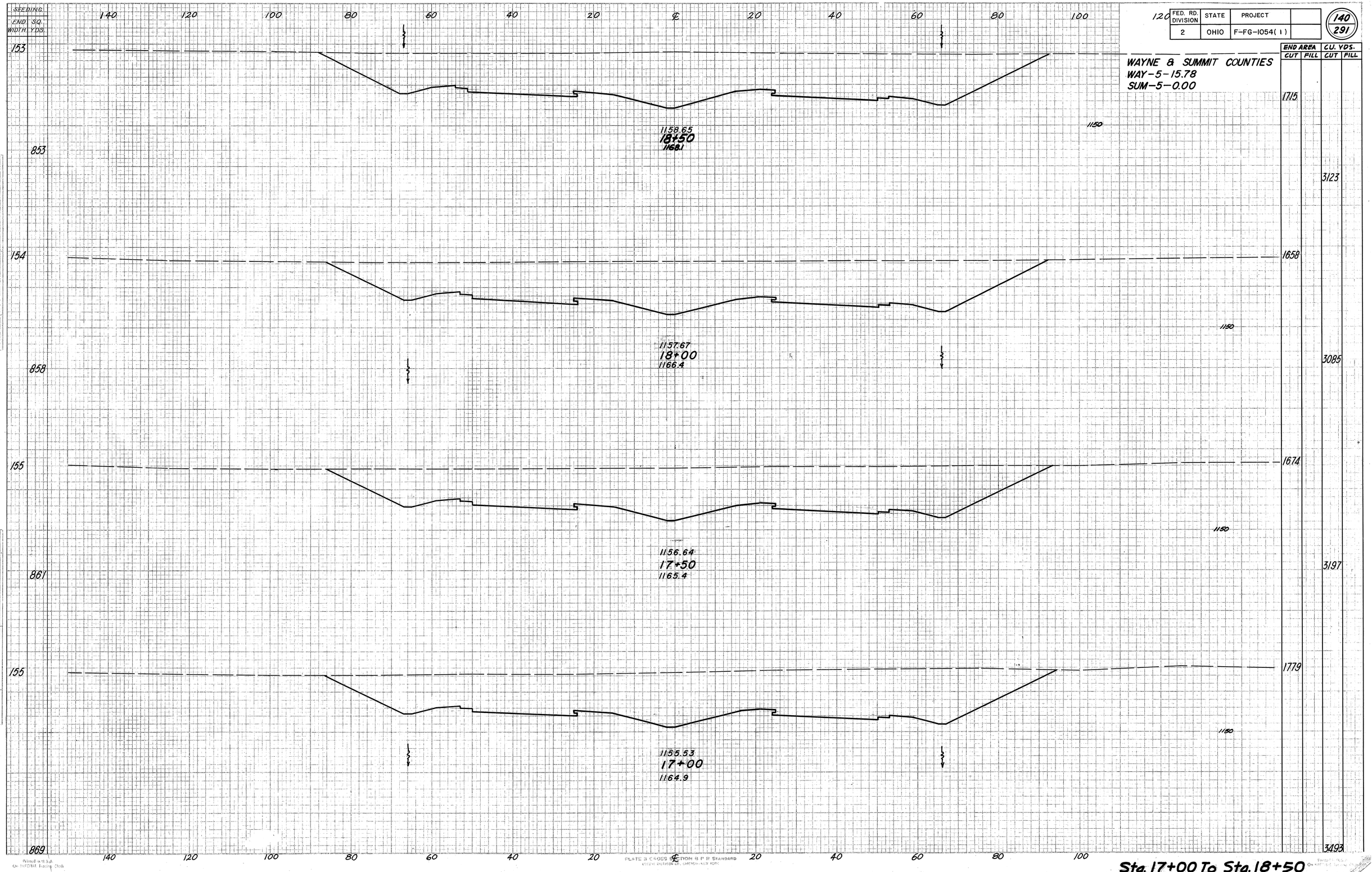
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

139
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL

Sta. 15+00 To Sta. 16+50



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

140
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

PLATE 3 CROSS SECTION B P R STANDARD

Sta. 17+00 To Sta. 18+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

141
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
1839			
		2517	
1815			
		2862	
1796			
		3358	
1831			
		3283	

SEEDING
END SQ.
WIDTH YDS.

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

150 Drive

622

1161.63
20+30
1170.9

1160

151

725

1161.08
19+79.80
1170.6

1160

154

850

1160.40
19+50
1169.9

1160

152

847

No. 2-2-A C.B. Modified
T/G. 1155.23
F.L. Window 1154.73
F.L. 1151.50

1-2 15"

1159.56
19+00
1169.2

1160

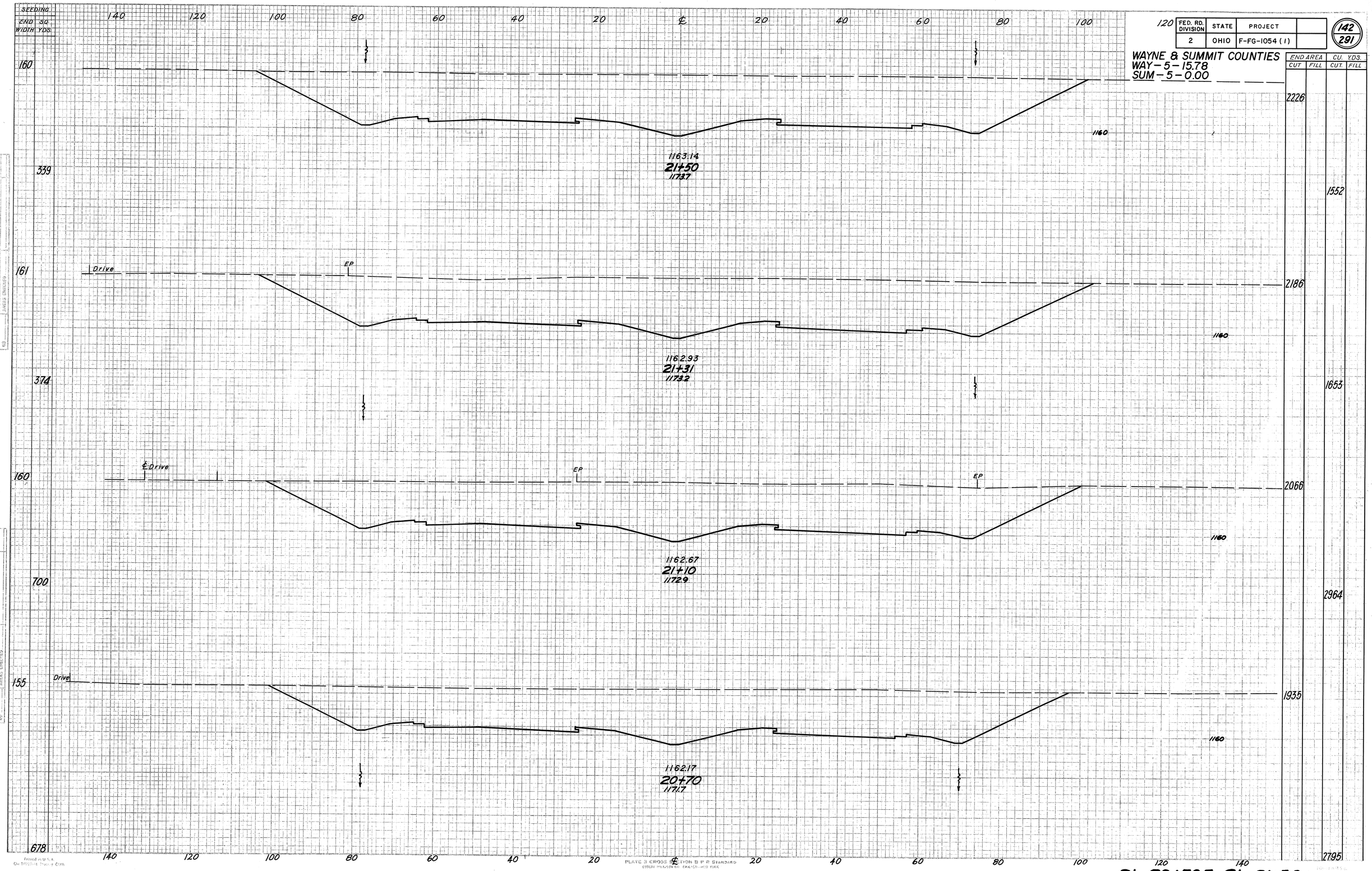
140 120 100 80 60 40 20 ℄ 20 40 60 80 100

PLATE 3 CROSS SECTION B.P.R. Standard

Sta. 19+00 To Sta. 20+30

FINAL SURVEY
NOTE BOOK
PAGE
SURVEYED BY
PLOTTED BY
CHECKED BY
AREAS CHECKED BY
DATE

ORIGINAL SURVEY
NOTE BOOK
PAGE
SURVEYED BY
PLOTTED BY
CHECKED BY
AREAS CHECKED BY
DATE



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

142
291

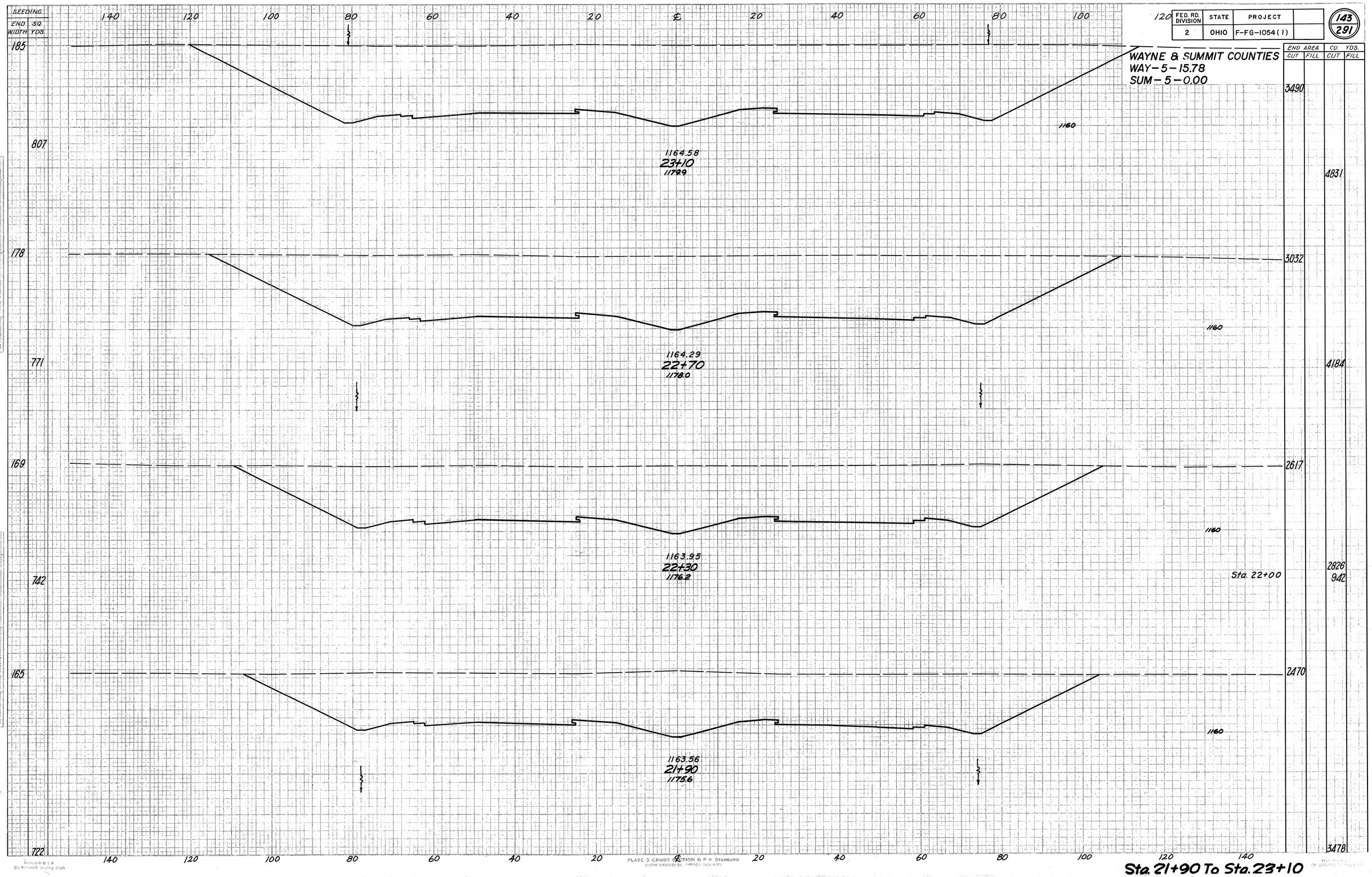
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL

FINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — DATE

ORIGINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — DATE

PLATE 3 CROSS SECTION B P R STANDARD



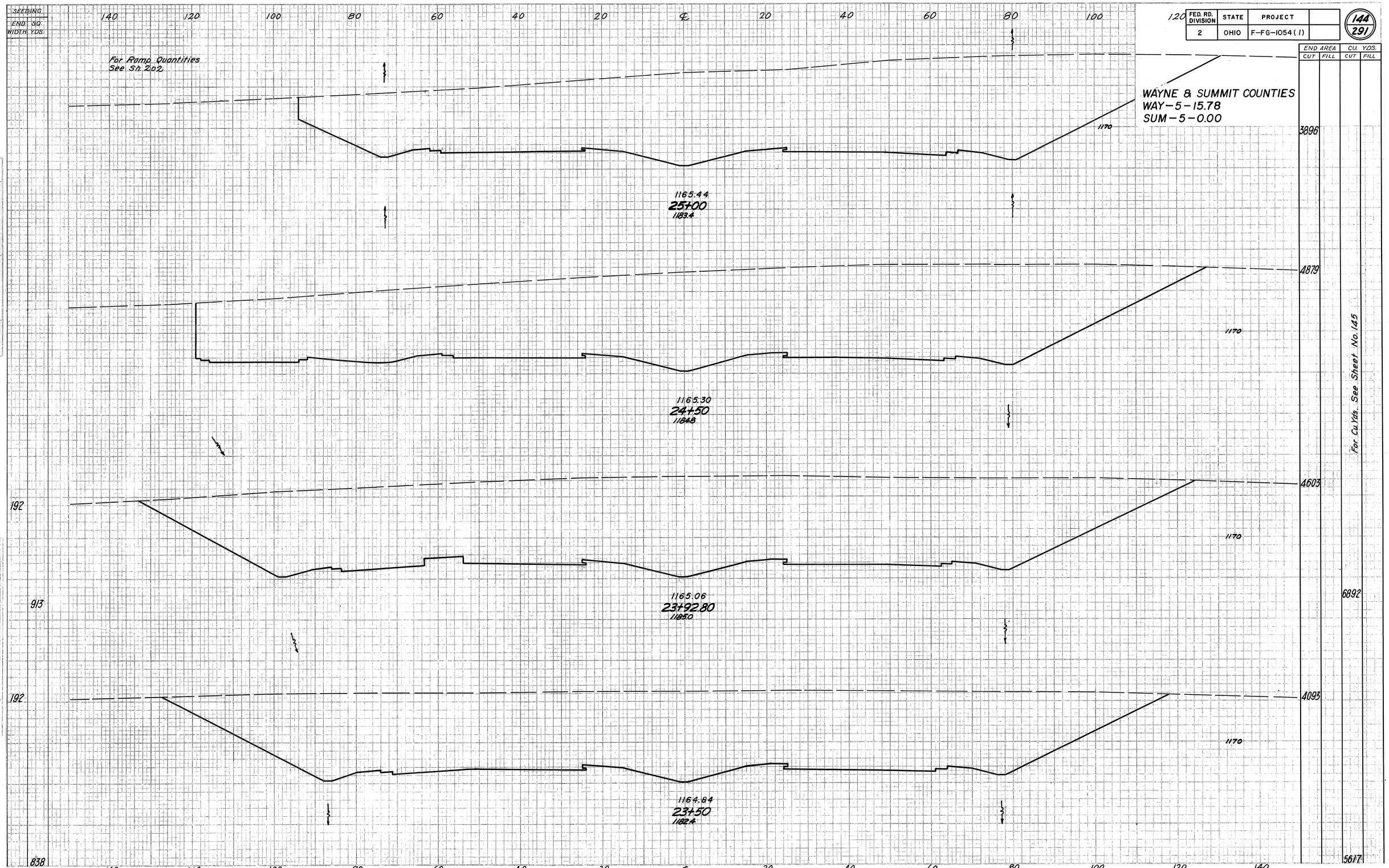
FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054(1)

143
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

Sta. 21+90 To Sta. 23+10

PLATE 3 CROSS SECTION B P R STANDARD



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

144
291

Sta. 23+50 To Sta. 25+00

SEEDING		
END WIDTH	SQ. YDS.	

120	FED. RD. DIVISION	STATE	PROJECT	
	2	OHIO	F-FG-1054(1)	

145
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
	3251		
	2928		
	3192		
	3527		

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

No. 2-3 C.B. Modified
T/G. 1160.71
F.L. Window 1160.21
F.L. Outlet 1156.51

I-2 Class A U Por A — 21" — 0.53% — Inv. 1156.6 — 24" I-2 — 1% 15" — I-2 Class A U Por A

1170

1165.31
27+00
1176.3

For Ramp Quantities See Sh. 202.

Inv. 1157.29 — 21" — 0.53% — Inv. 1157.09

1165.44
26+50
1177.4

15" — 1.0%

1170

1165.50
26+00
1178.1

1165.49
25+50
1180.4

Add for Interchange 20,558 Sq. Yds. between Stations 23+92.80 - 29+50.00

For Cu. Yds. See Sheet No. 146

PLATE X CROSS SECTION B.P.R. STANDARD

Sta. 25+50 To Sta. 27+00

SEEDING
END SQ.
WIDTH YDS.

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

146
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
2260			
2022			
2832			
2977			

1160

1164.17
29+00
1174.9

For Ramp Quantities
See Sh. 208

1160

1164.55
28+50
1174.7

1160

1164.87
28+00
1174.2

1160

1165.13
27+50
1175.3

Add 67,498 Cu. Yds. for Interchange between Stations 23+92 - 29+50

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

PLATE 3 CROSS SECTION C. P. R. STANDARD
CLEVELAND DIVISION, CLEVELAND, OHIO 1906

Sta. 27+50 To Sta. 29+00

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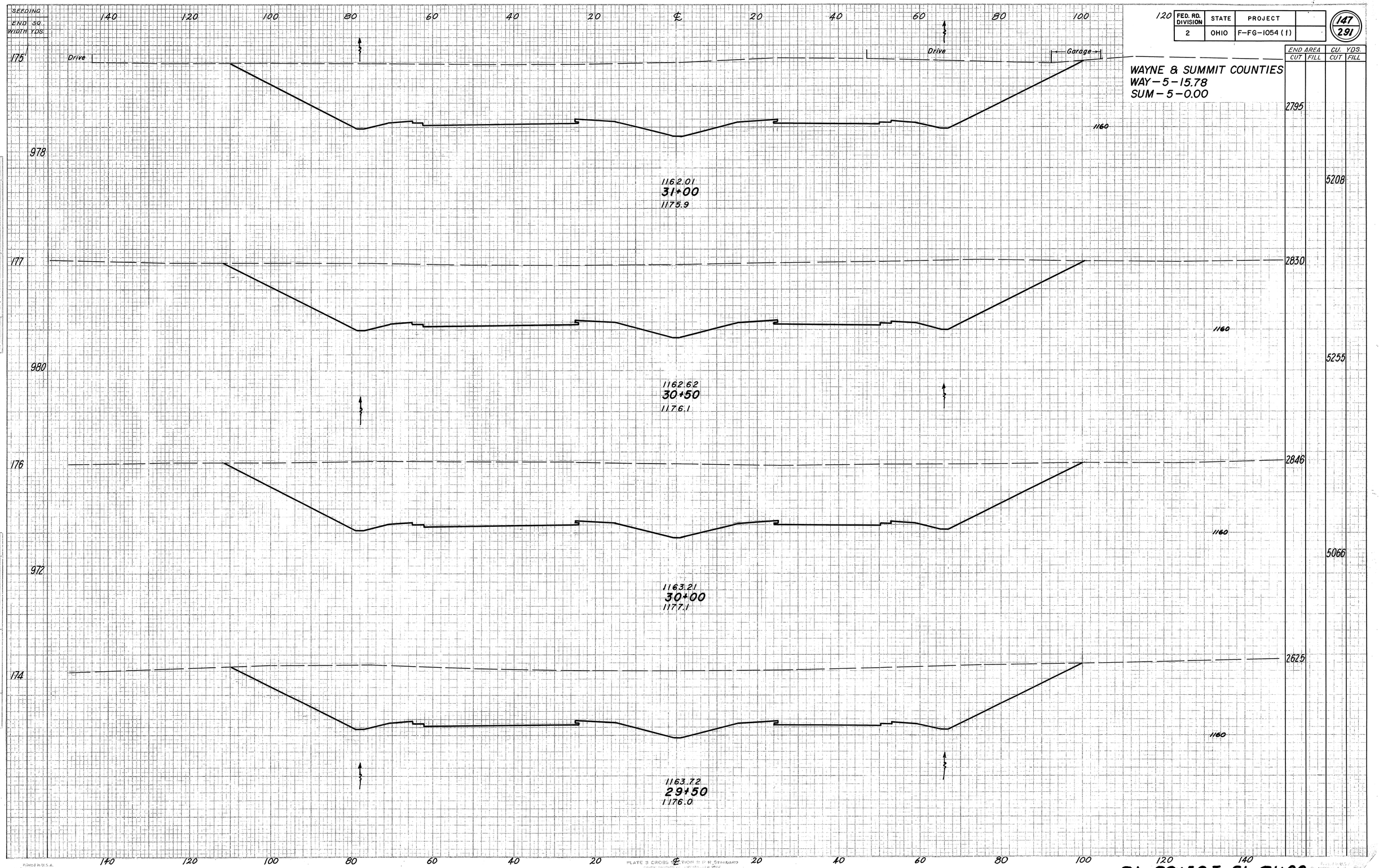
The Tracing Cloth

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



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

147
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

Sta. 29+50 To Sta. 31+00

PLATE 3 CROSS SECTION R.R. STANDARD

120	FED. RD. DIVISION	STATE	PROJECT	
	2	OHIO	F-FG-1054(1)	

148
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING
END SQ. WIDTH YDS.

	END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
140				
120				
100				
80				
60				
40				
20				
℄				
20				
40				
60				
80				
100				
120				
140				

118 570 — E.P. — E.P. — Drive

105° Rt. ℄ Inv. 1173.0
Sec. M-64(c) 12"
1160
30"
Dumped Rock Fill
Inv. 1157.83

1160.13
32+54
1174.1

12" dia. pipe to be placed @ Sta. 32+59

10'x5'x30"/27 = 4.6 c.y.

176 496 — E.P. — ℄ Road

1160

1160.49
32+25
1174.4

181 1006 — House — Drive — Drive — Drive

No. 2-3 C.B. Modified
T/G. 1156.19
F.L. 1155.69 (Window)
F.L. 1152.01

1160

1-2 24"

1160.79
32+00
1176.0

181 989 — Drive — Drive — House

1160

1161.40
31+50
1176.6

2880 3051 2802 2696 3021 5580 3005 5370

ORIGINAL SURVEY — SURVEYED BY — DATE — NOTE BOOK — COMPUTED BY — PLOTTED BY — CHECKED BY — AREAS BY — AREAS CHECKED — NO.

FINAL SURVEY — SURVEYED BY — DATE — NOTE BOOK — COMPUTED BY — PLOTTED BY — CHECKED BY — AREAS BY — AREAS CHECKED — NO.

PLATE 3 CROSS SECTION E.P.P. SUPERSEDED
PRINT DESIGNATION DATED JAN. 1, 1959

Sta. 31+50 To Sta. 32+54

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

149
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING
END SQ. WIDTH YDS.

END AREA CUT	END AREA FILL	CU. YDS CUT	CU. YDS FILL
2245			
			4256
2352			
		4534	
2545			
			4926
2775			
			4817

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

161 908 166 930 169 950 173 897

1160

1157.74
34+50
1169.1

1158.35
34+00
1170.3

Drive House

1158.96
33+50
1172.3

House Drive

Std. No. 1 M.H.
T/G. 10565
I-F. 1051.01

1159.57
33+00
1173.4

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

PLATE 3 CROSS SECTIONS P.R. Standard

Sta. 33+00 To Sta. 34+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

150
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
164	662	2200		2995	
167	914	2293		4178	
162	894	2219		4101	
160	894	2210		4094	
162	897	2212		4127	

Sta 37+00 No 2-3 C.B Modified
T/G. 1151.29
F.L. Window 1150.79
F.L. 1147.01

EP
LEP
REP
1160

Median Inv. 1151.36

1154.69 L.E.P.
1155.02 R.E.P.
36+86
1165.7

℄ Street

Median Inv. 1151.53

1155.13 L.E.P.
1155.29 R.E.P.
36+50
1166.6

1151.76

1155.77 L.E.P.
1155.78 R.E.P.
36+00
1167.3

1156.51
35+50
1167.8

1157.13
35+00
1168.3

PLATE 5 CROSS SECTION B P R Standard

Sta. 35+00 To Sta. 36+86

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

151
291

WAYNE & SUMMIT COUNTIES
WAY – 5 – 15.78
SUM – 5 – 0.00

SEEDING
END SQ.
WIDTH YDS.

Add 23,237 Sq. Yds. for Interchange Between Stations 37+86 - 45+55

Add 24,192 Cu. Yds. for Interchange between Stations 37+86 -40+50

End Area Cu. Yds. Cut	Fill	Cut	Fill
2556			
2743			
2295			
2069			
3826			
2063			
3947			

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140 160

E.P. E.P. L.E.P. R.E.P. 1160

1149.6 Sod d=1.9'

Median Inv. 1150.11
1151.49 L.E.P.
1153.60 R.E.P.
39+50
1162.5

1150.2 Sod d=1.9'

For S.R.5 Conn. Quantities See Sh.

Median Inv. 1150.34
1152.09 L.E.P.
1154.00 R.E.P.
39+00
1163.1

Median Inv. 1150.65
1152.88 L.E.P.
1154.39 R.E.P.
38+36
1163.8

160 892 161 903

<House> House

Sta. 38+05 Std. No. 1 M.H. @ ℄ Median
T/G. 1150.79
F.L. Window 1150.29
F.L. 1146.53

Top Grate 1152.7 Sta. 38+05

1.0% 21" 66'

1-2.30" F.L. 21" 1146.51

Median Inv. 1150.88

1-2 Storm Sewer Under Pavement Class A

F.L. 1147.27 Sta. 38+05

1153.54 L.E.P.
1154.48 R.E.P.
37+86
1164.0

Median Inv. 1151.12
1154.11 L.E.P.
1154.75 R.E.P.
37+36
1164.2

PLATE 3 CROSS SECTION B P M STANDARD

Sta. 37+36 To Sta. 39+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

152
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING
END SQ. WIDTH YDS.

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140 160

End Area Cut	End Area Fill	Cu. Yds. Cut	Cu. Yds. Fill
1121			
1150			
			2141
1091			
1150			
			2364
1362			
1150			
			3092
1978			
1150			
			2532
1150			

LEP REP

1147.9 Sod. d=1.9'

1148.45 L.E.P.
1150.50 R.E.P.
42+00
1156.2

Note: Add 12" Thickness To Subbase Sta. 42+00 To Sta. 46+00

LEP REP

1148.2 Sod. d=1.9'

1149.07 L.E.P.
1151.17 R.E.P.
41+50
1157.1

Sta. 41+10
Begin Type 2 Modified Curb

LEP REP

No. 2-3 C.B. Modified
T/G. 1149.23
FL. Window 1148.73
FL. 1144.73
1-2 30"

1148.6 Sod. d=1.9'

For Ramp Quantities See Sh. 212 & 214.

Median Inv. 1149.23

1149.68 L.E.P.
1151.80 R.E.P.
41+00
1158.2

Note: Existing Ground From Sta. 41+00 To Sta. 45+50 Estimated Due To Present Construction Activity.

EP EP LEP REP

Median Inv. 1149.55

1150.28 L.E.P.
1152.46 R.E.P.
40+50
1159.5

EP EP LEP REP EP EP

1149.2 Sod. d=1.9'

Median Inv. 1149.87

1150.30 L.E.P.
1153.08 R.E.P.
40+00
1161.9

PLATE 3 CROSS SECTION D.P.R. Standard

Sta. 40+00 To Sta. 42+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

153
291

WAYNE & SUMMIT COUNTIES
WAY – 5 – 15.78
SUM – 5 – 0.00

SEEDING END WIDTH	SEEDING SQ. YDS.

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
327	29		
		667	36
393	9		
		746	10
413	6		
973	5		
654			
		1371	
827			
		1804	

140 120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140

1140

C=231 LEP EP C=96 REP

1145.48 L.E.P.
1146.80 R.E.P.
44+50
1147.0

End Type I-B
Paved Gutter
Sta. 44+30

C=283 LEP F=6 EP C=89 REP F=3 C=21 1146.2

I-2 Class A under Pavement

0.72% To outlet
36" dia.

1146.04 L.E.P.
1147.69 R.E.P.
44+00
1147.3

C=393 LEP EP REP C=20 1144.0

1146.64 L.E.P.
1148.49 R.E.P.
43+50
1149.6

LEP EP REP 1146.6

Begin Type I-A
Paved Gutter
Sta. 45+40 S.R.5 Conn.
Inv. 1146.60

1147.76 L.E.P.
1148.18 R.E.P.
43+00
1152.6

LEP REP 1147.2 Sod. d=1.9'

1147.85 L.E.P.
1149.94 R.E.P.
42+50
1154.0

PLATE 2 CROSS SECTION & P.F. STANDARD
ENGINEERING DIVISION, COLUMBUS, OHIO

Sta. 42+50 To Sta. 44+50

FED RD DIVISION	STATE	PROJECT	
2	2410	F-FG-1054(1)	

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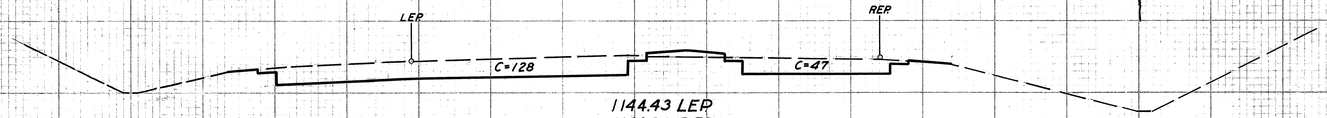
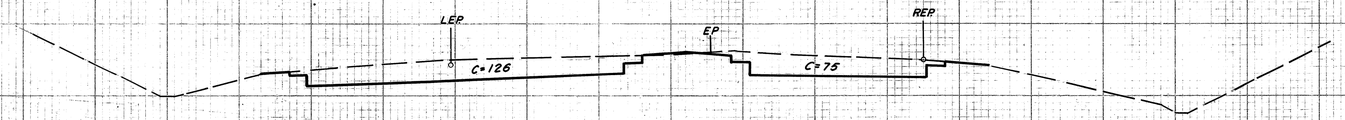
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

SEEDING	
END WIDTH	SQ. YDS.

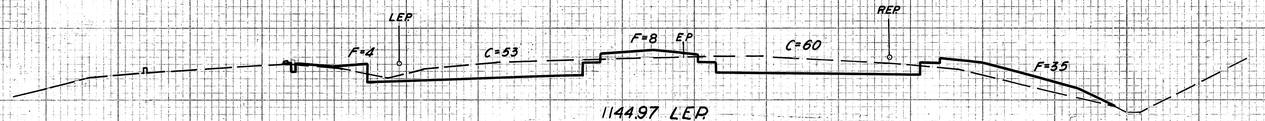
END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
175	10		
		35	1
201	1		
			291 44
113	47		
			407 66



1144.43 LEP
1144.90 REP
45+55
1145.7



1144.44 LEP
1145.01 REP
45+50
1145.8



1144.97 LEP
1145.90 REP
45+00
1145.6

Sta. 45+00 To Sta. 45+55

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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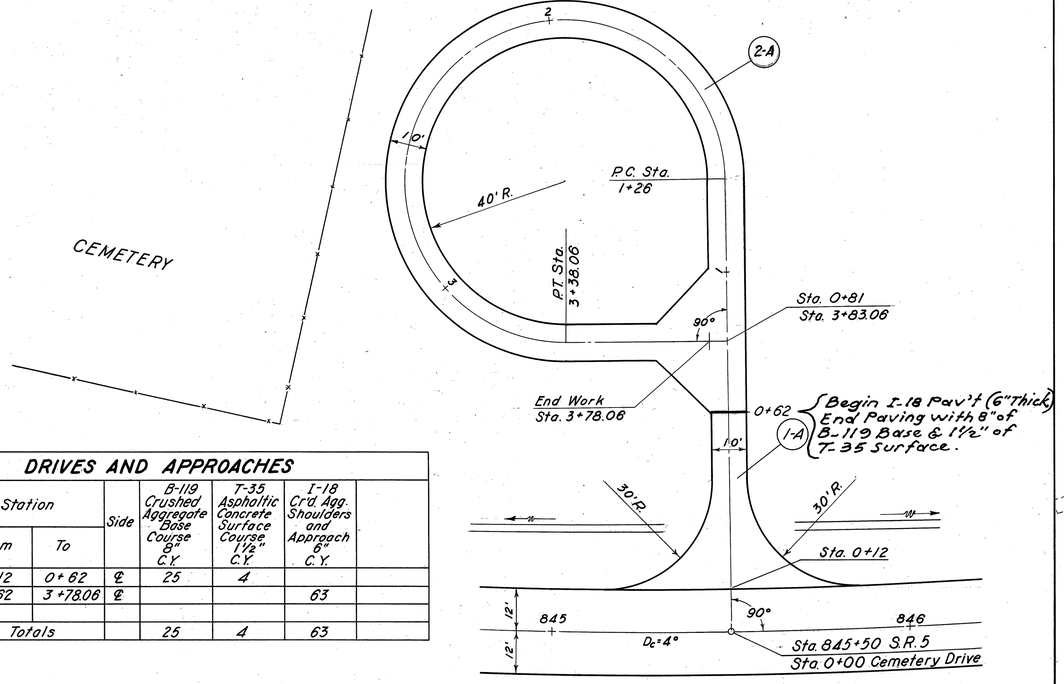
291

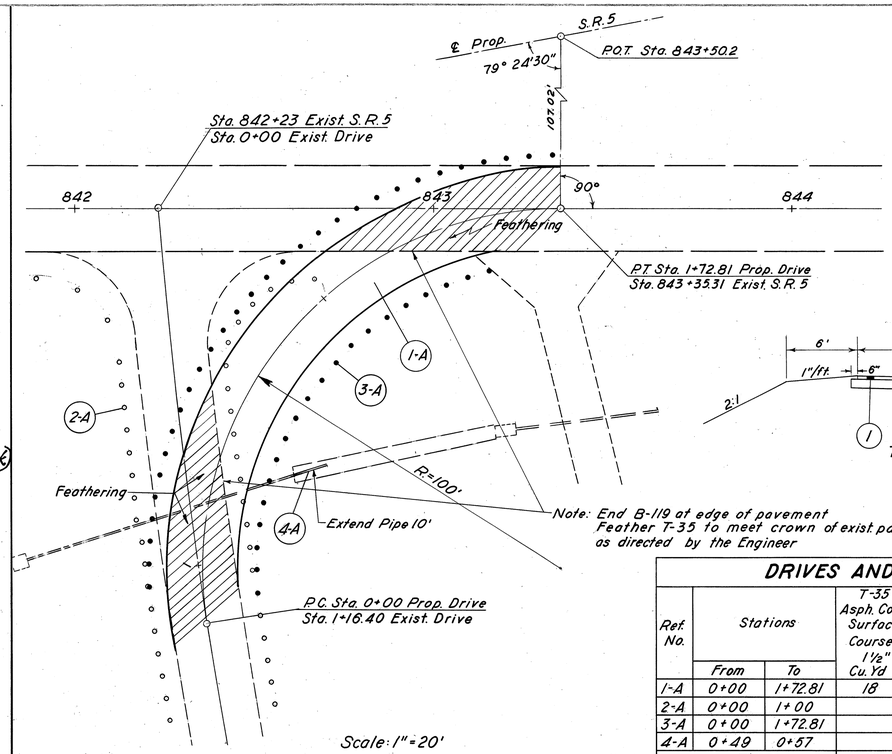
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM.-5-0.00



Scale: 1" = 20'

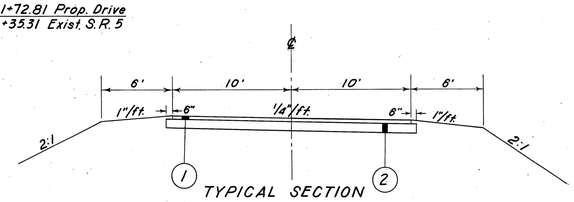
DRIVES AND APPROACHES

Ref. No.	Station From	Station To	Side	B-119 Crushed Aggregate Base Course 8" C.Y.	T-35 Aspholtic Concrete Surface Course 1½" C.Y.	I-18 Cr'd. Agg. Shoulders and Approach 6" C.Y.	
1-A	0+12	0+62	℄	25	4		
2-A	0+62	3+78.06	℄			63	
Totals				25	4	63	



Scale: 1" = 20'

Note: End B-119 at edge of pavement
Feather T-35 to meet crown of exist. pav't. as directed by the Engineer

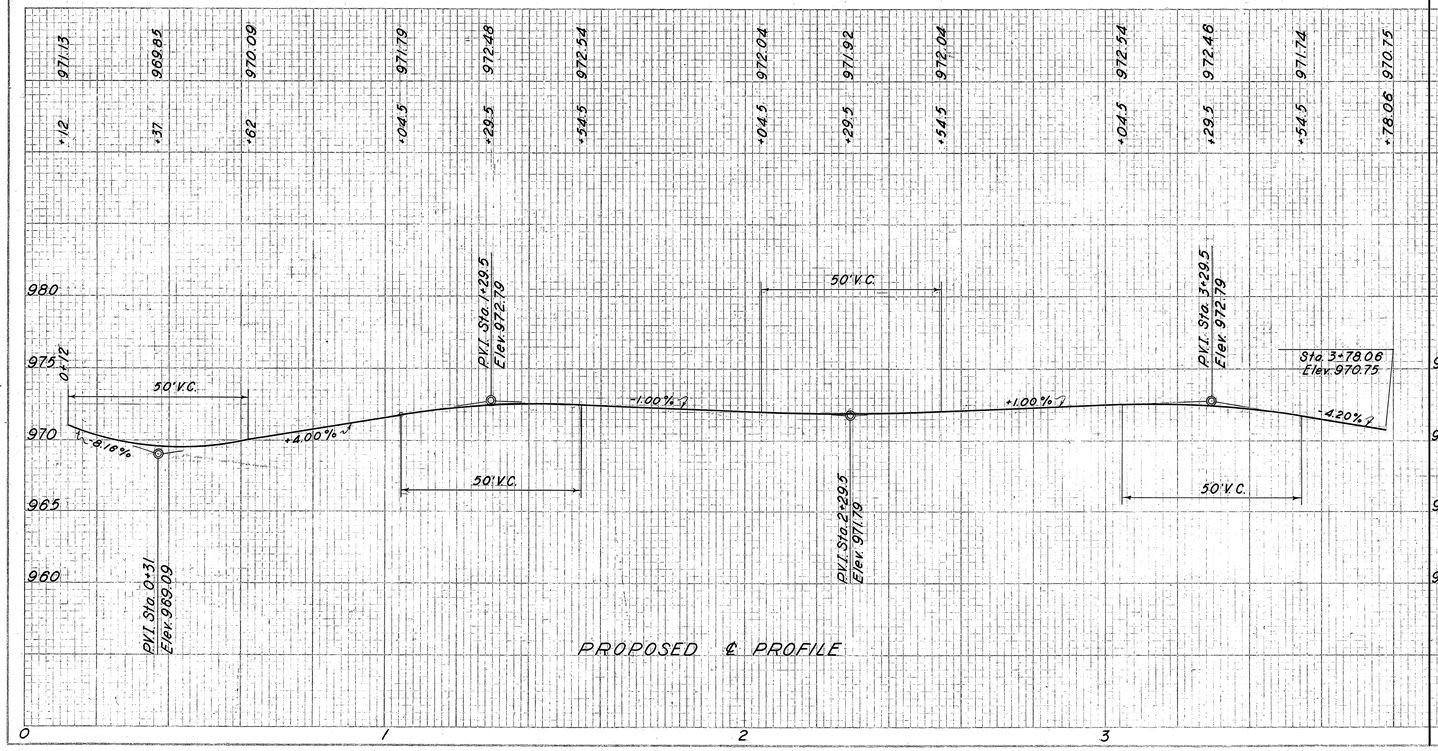


TYPICAL SECTION

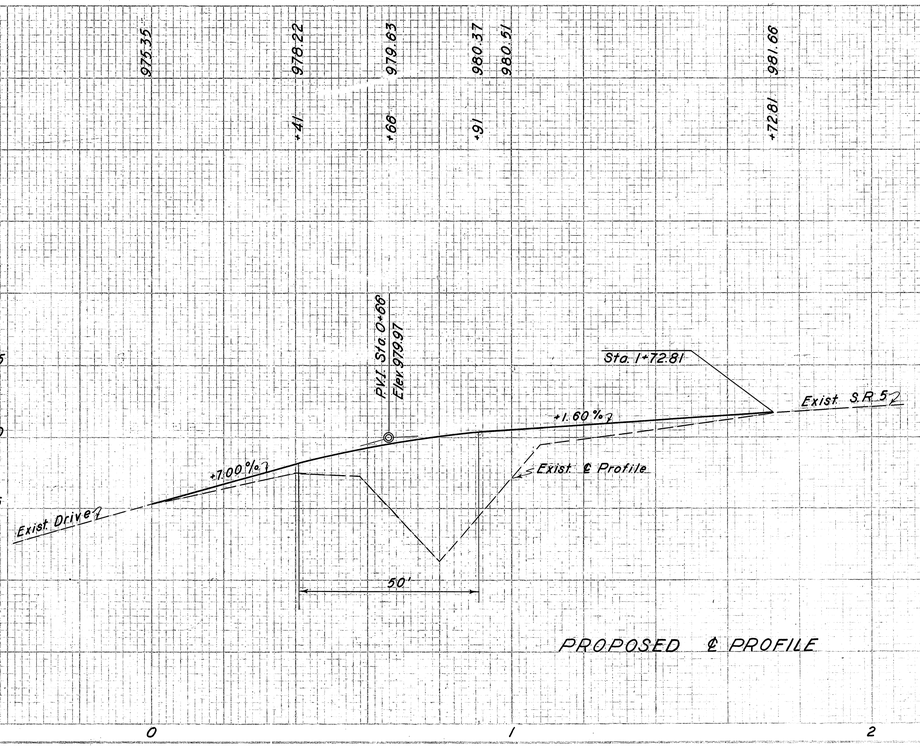
(1) 1½" T-35 Asph. Conc. Surface Crse.
(2) 8" B-119 Crushed Aggregate Base Crse.

DRIVES AND APPROACHES

Ref. No.	Stations From	Stations To	T-35 Asph. Conc. Surface Course 1½" Cu. Yd	B-119 Crushed Aggregate Base Crse. 8" Cu. Yds.	I-15 Guard Posts Removed & Reset Ea.	I-15 Guard Posts Ea.	I-1 Pipes for Drives 12" Lin. Ft.
1-A	0+00	1+72.81	18	45			
2-A	0+00	1+00			30		
3-A	0+00	1+72.81				20	
4-A	0+49	0+57					10
Totals			18	45	30	20	10



PROPOSED ℄ PROFILE



PROPOSED ℄ PROFILE

SIDE DRIVES

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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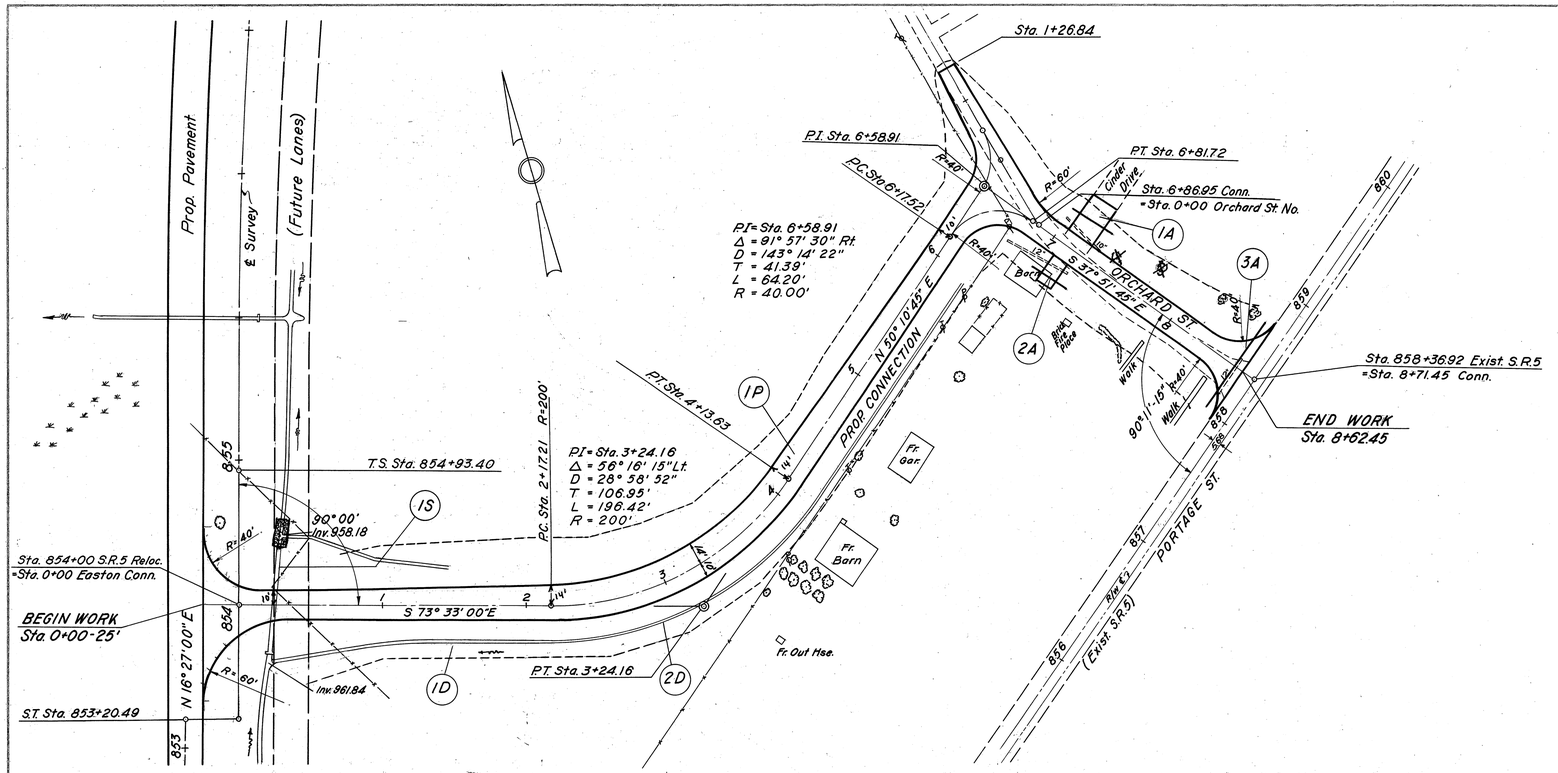
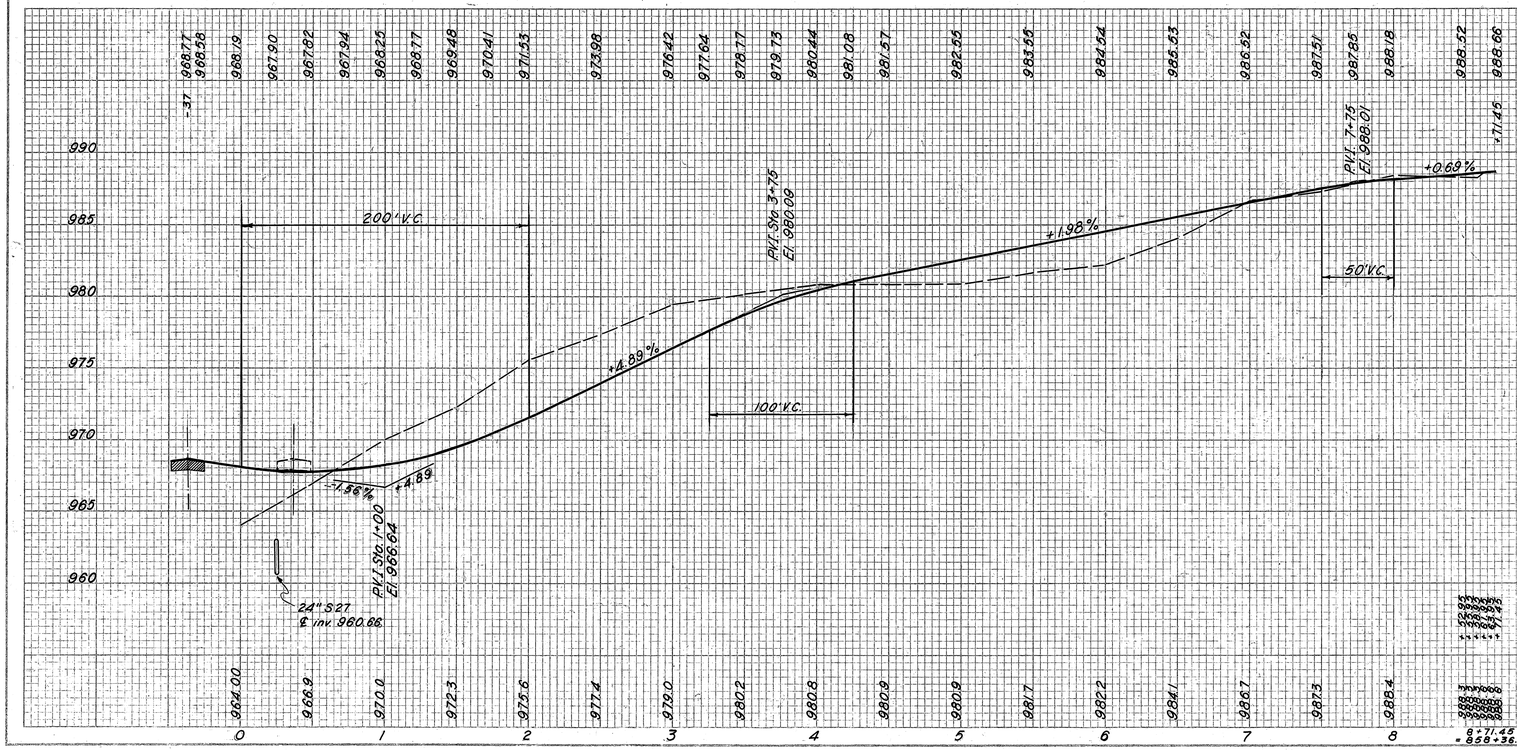
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00





PAVEMENT

Ref. No.	Station From	Station To	Side	T-35 Asph. Conc. Surface Course 1½" Cu. Yds.	T-30 Bitum. Prime Coat Gals.	B-119 Crushed Aggregate Base Course 8" Cu. Yds.	I-9 Stone Underdrain (No.2) Lin. Ft.
1P	0+00-25'	8+61.45	℄	109	910	602	212
Totals				109	910	602	212

DRAINAGE

Ref. No.	Station From	Station To	Side	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	
1D	0+20	2+00	R	9	180	
2D	2+00	4+50	R		250	
Totals					430	

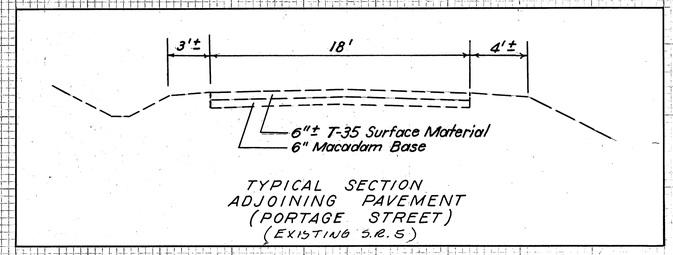
STRUCTURES (20' span & under)

Ref. No.	Station	E-2 Structure Excavation C.Y.	S-1 Conc. for Structures Class E C.Y.	S-27 Corr. Metal Pipe Culvert 24" L.F.	I-10 Dumped Rock C.Y.	See Sheet No.
1S	0+25	46	0.8	72	19	239
Totals		46	0.8	72	19	

DRIVES AND APPROACHES

Ref. No.	Station From	Station To	Side	E-12 Removal of Pipe 15" and Under L.F.	I-1 Pipe for Driveways 12" L.F.	I-18 Crd Agg. for Shlds. and Approaches 6" C.Y.	
1A	7+12	-	R	48	30	5	
2A	7+15	-	L	34	36'	12	
3A	8+92	-	℄	31	64		
Totals				113	130	17	

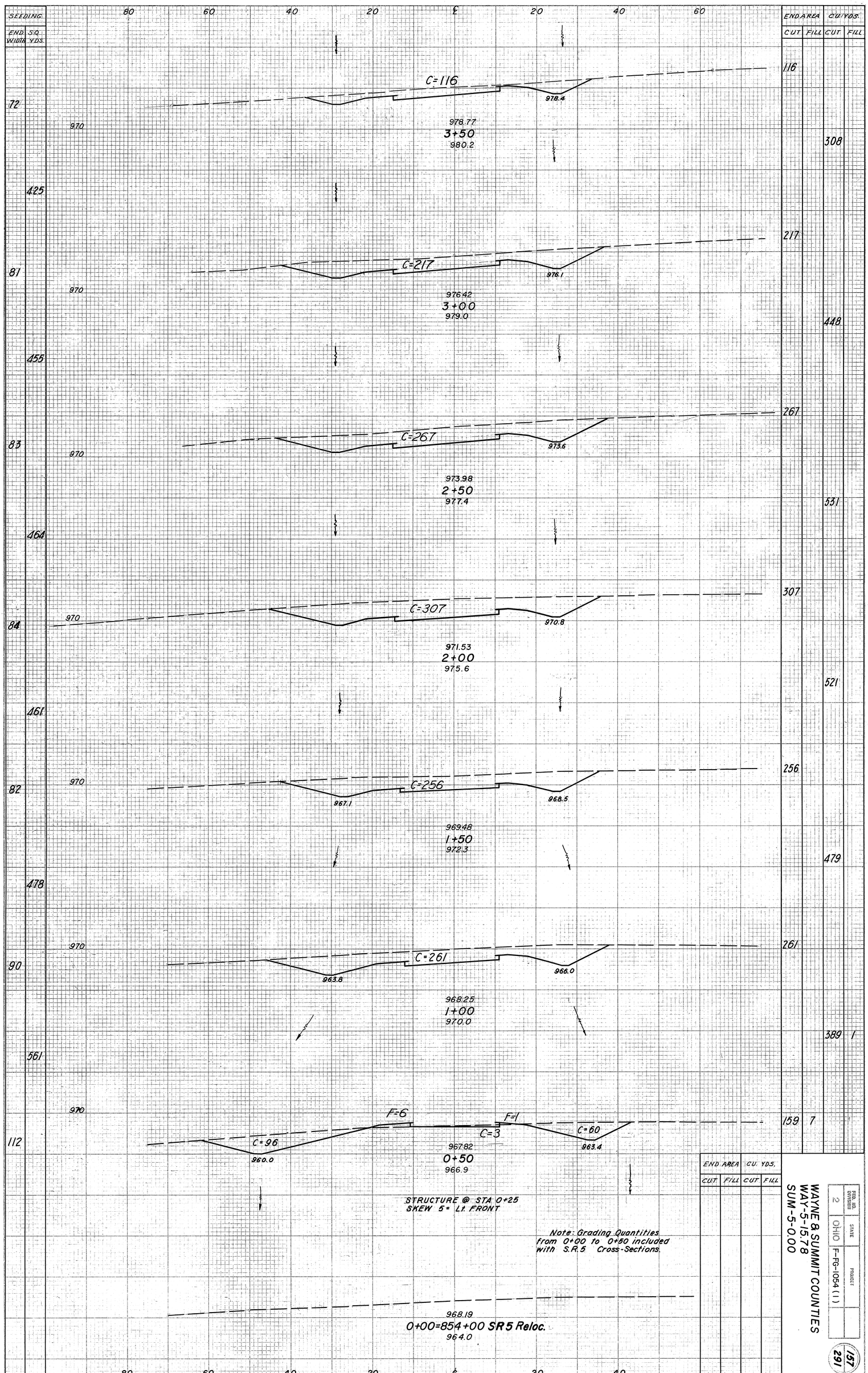
Excavation	3,426 Cu. Yds.
Embankment	288 Cu. Yds.
Embankment +20%	346 Cu. Yds.



TYPICAL SECTION
ADJOINING PAVEMENT
(PORTAGE STREET)
(EXISTING S.R.5)

Utilities
Ohio Edison Co.
Rittman Telephone Co.

EASTON CONNECTION


SEEDING
END SQ. WIDTH YDS.
80 60 40 20 ℄ 20 40 60
END AREA CUT FILL
CU. YDS. CUT FILL
C=116
978.4
978.77
3+50
980.2
116
308
72
425
970
C=217
976.1
976.42
3+00
979.0
217
448
81
455
970
C=267
973.6
973.98
2+50
977.4
267
531
83
464
970
C=307
970.8
971.53
2+00
975.6
307
521
84
461
970
C=256
967.1
968.5
969.48
1+50
972.3
256
479
82
478
970
C=261
963.8
966.0
968.25
1+00
970.0
261
389
90
561
970
F=6
F=1
C=3
C=96
960.0
C=60
963.4
967.82
0+50
966.9
159
7
112
STRUCTURE @ STA 0+25
SKEW 5° Lt. FRONT
Note: Grading Quantities from 0+00 to 0+50 included with S.R.5 Cross-Sections.
968.19
0+00=854+00 SR 5 Reloc.
964.0
END AREA CUT FILL
CU. YDS. CUT FILL
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00
FED. ROAD DESIGN. 2
STATE OHIO
PROJECT F-FG-1054(11)
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Easton Connection Sta.0+00 to Sta.3+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

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WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	C.U. YDS. CUT	C.U. YDS. FILL
48	4	152	4

END AREA CUT	END AREA FILL	C.U. YDS. CUT	C.U. YDS. FILL
57		105	
57		61	6
9	7	17	40
10	36	18	68
10	38	14	73
5	41	12	63
8	27	52	29

SEEDING SQ. YDS.	END WIDTH YDS.
68	378
68	378
58	328
60	317
54	294
52	328
66	383

Add 1005 Sq. Yds. from Sta. 6+00 to Sta. 7+00

C=34 C=14 C=9 C=10 C=16 C=31 F=7 C=9 C=10 F=36 C=10 F=38 C=5 F=41 C=8 F=20 C=20 F=3 C=20 F=1 C=8

987.31 7+50.0 987.3
986.52 7+00 986.7
986.53 6+50 984.1
984.54 6+00 982.2
983.55 5+50 981.7
982.56 5+00 980.9
981.37 4+50 980.9
980.49 4+00 980.8
982.2 981.7 981.4 980.7 980.2

Easton Connection Sta. 4+00 to Sta. 7+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

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291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA	CUT		98
	FILL		
CU. YDS.	CUT	188	143
	FILL	3	0

SUPERELEVATION TABLE

STATION	LT. EDGE	GRADE	RT. EDGE
0+50	967.66	967.82	967.66
+75	967.75	967.94	967.95
1+00	967.01	968.25	968.51
+25	968.48	968.77	969.28
+50	969.14	969.48	970.24
+75	970.02	970.41	971.42
2+00	971.09	971.53	972.79
+25	972.26	972.75	974.26
+50	973.49	973.98	975.49
+75	974.71	975.20	976.71
3+00	975.93	976.42	977.93
+25	977.15	977.64	979.15
+50	978.28	978.77	980.28
+75	979.24	979.73	981.24
4+00	980.00	980.49	982.00
+25	980.61	981.08	982.49
+50	981.14	981.57	982.69
+75	981.69	982.07	983.03
5+00	982.22	982.56	983.40
+25	982.77	983.06	983.47
+50	983.30	983.55	983.84
+75	984.01	984.05	984.13
6+00	984.38	984.54	984.38

| | | |

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

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WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

F/L. 988.96 Sta. 115+00
T.S. Sta. 115+77.13
Feathering
25' 30' Taper
BEGIN NEW PAV'T. STA. 115+00
BEGIN WORK STA. 114+75
1D 2D 1A 6A 2A 3A 4A 5A 3D 1R 2R 1P
S.C. 118+17.13
C.S. Sta. 121+70.46
S.T. Sta. 124+70.46
End New Pav't. 127+23.44
Edge S.R.5 Pavement
Inv. 958.20
126+44
54" Pipe
2 Sty. Fr. Dwg.
Milk Ho.
Crib
Silo
Frame Barn
Wtr. Ho.
Fr. Imp. Shed
℄ Exist. S.R. 548
℄ S.R. 548 Reloc.
Prop. Pav't.
Future North Bound Lanes
Future Const.
P.C.C.
P.C.
P.T.
24' 25'
873 872 871 870
P.O.T. Sta. 872+10 S.R.5 Reloc.
P.O.T. Sta. 127+72.44 S.R. 548
P.O.T. Sta. 869+79.68
40' R. 50' R. 90°
80°-36'-30"
30' 30' 57' 60'
R/W
BALTIMORE & OHIO R.R.
PROP. ACCESS RD.

Δ = 33°07'30"
D = 10°00'
T = 170.40'
L = 331.25'
R = 572.96

4' 9' ℄ 9' 4'
8"-10" Gravel with Bituminous Treatment

TYPICAL SECTION OF ADJOINING PAVEMENT ON S.R.548

CURVE DATA
P.I. Sta. 120+28.61
Δ = 23°44' 00"
D_c = 4° 00'
L_s = 300'
T_s = 451.48'
E_s = 33.98'
θ = 6°44'
Δ_c = 11°00.0'
L_c = 293.33'
X_c = 292.67'
Y_c = 10.46'
S.E. = 0.066'/'

DRIVES AND APPROACHES

Ref. No.	Stations From	Stations To	Side	Length L.F.	T-35 Asphaltic Conc. Surf. Course 2" Cu. Yd.	B-119 Crushed Agg. Base Course 5" Cu. Yd.	B-119 Crushed Agg. Base Course 6" Cu. Yd.	I-1 Pipe for Driveways 12" Lin. Ft.	I-1 Pipe for Driveways 30" Lin. Ft.	E-12 Pipe Removed 15"& Under Lin. Ft.
	FG-1054 (1)									
1-A	118+75		Lt		4.6	11.5				12
2-A	118+75		Rt		4.0	10.0		36		20
3-A	118+75		Rt	20			4.5			
4-A	120+00		Rt		4.6	11.5				
5-A	120+00		Rt	40			9.0	34		14
6A	118+75		Lt	40			9.0		30	
	Totals				13.2	33.0	22.5	70	30	46

DRAINAGE

Ref. No.	Station From	Station To	Side	I-14 Paved Gutter Type 1 B L.F.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	See Sheet No.
	FG-1054 (1)						
1D	115+00	117+20	L	220			
2D	115+00	117+20	L		3	73	
3D	117+20	126+44	L		9	924	
	Totals			220		997	

PAVEMENT

Ref No.	Stations From	Stations To	Side	B-119 Crushed Agg. Base Course-5" Cu. Yds.	B-35 Asph. Conc. Leveling Course-2" Cu. Yds.	T-30 Bitum. Prime Coat Gal.	T-35 Asph. Conc. Surface Course-1½" Cu. Yd.		I-22 Sub-base 4" Cu. Yds.	I-9 Stone Underdr. No.2 Lin. Ft.
	FG-1054 (1)									
1P	115+00	127+23.44		410	158	1030	119		350	288
	Totals			410	158	1030	119		350	288

ROADWAY

Ref. No.	Stations From	Stations To	Side	I-15 Guard Rail Lin. Ft.
	FG-1054 (1)			
1-R	121+00	127+00	Lt	600
2-R	120+50	127+00	Rt	650
	Totals			1250

Utilities
Rittman Telephone Co.
Ohio Edison Co.
B & O Railroad Co.

Excavation	1,411	Cu. Yds.
Embankment	35,876	Cu. Yds.
Embankment +20%	43,051	Cu. Yds.

P.V.C. Sta. 115+00
P.V.I. Sta. 115+50
Elev. 986.15
P.V.T. Sta. 116+00
P.V.C. Sta. 118+00
P.V.I. Sta. 119+50
Elev. 970.95
P.V.T. Sta. 121+00
P.V.I. Sta. 125+75
Elev. 985.10
100' V.C.
300' V.C.
100' V.C.
6.17%
6.19%
-3.80%
+2.36%
+1.624%
0.25%
Type 1 B Paved Gutter on Lt.
Ditch Lt.
987.14
974.76
970.95
959.56
Inv. 54" Pipe
El. 958.20
℄ S.R. 5
+35.44
Elev. 988.30

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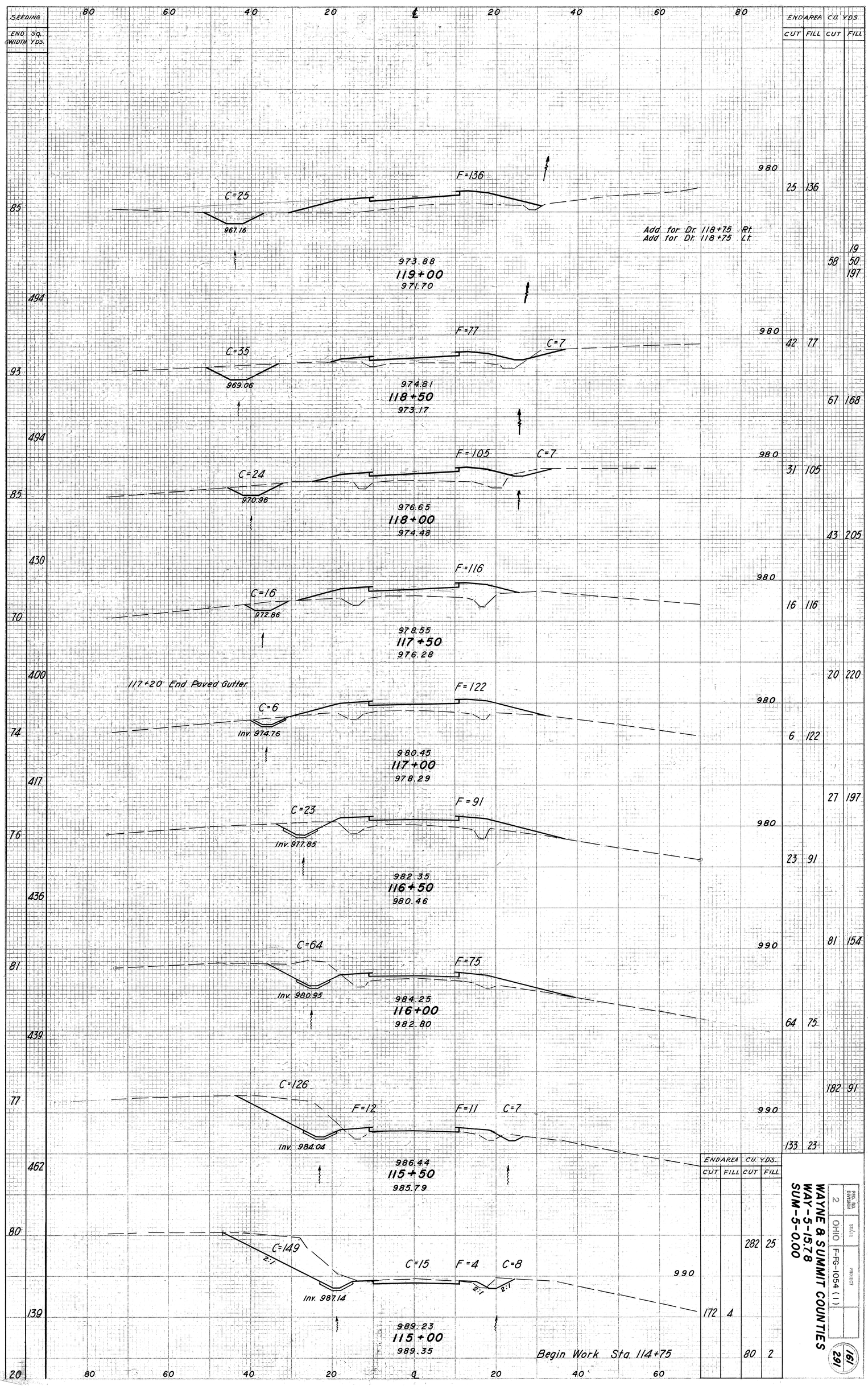

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL

SR 548 Sta.115+00 to Sta.119+00

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

FED. ROAD DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

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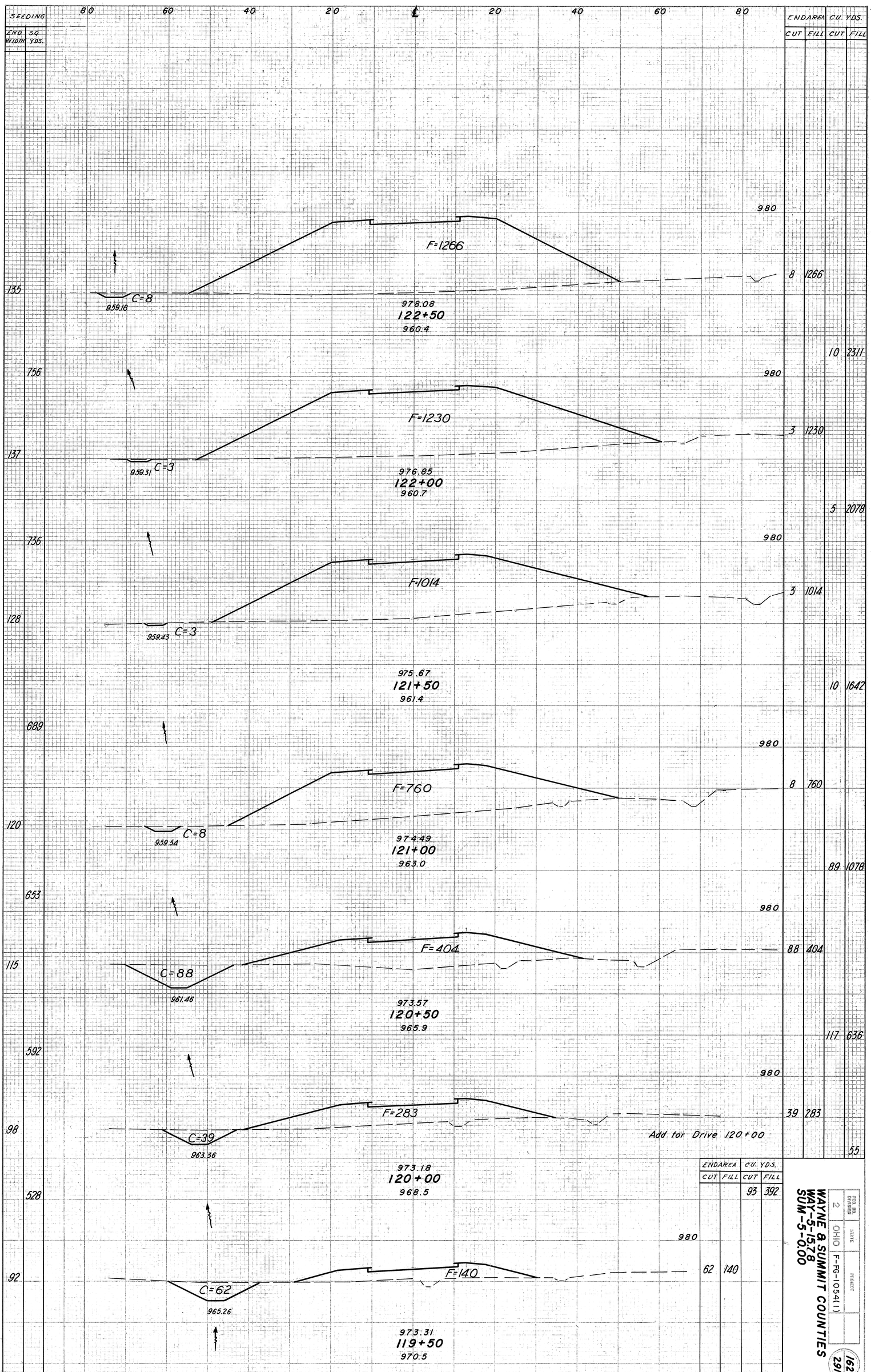
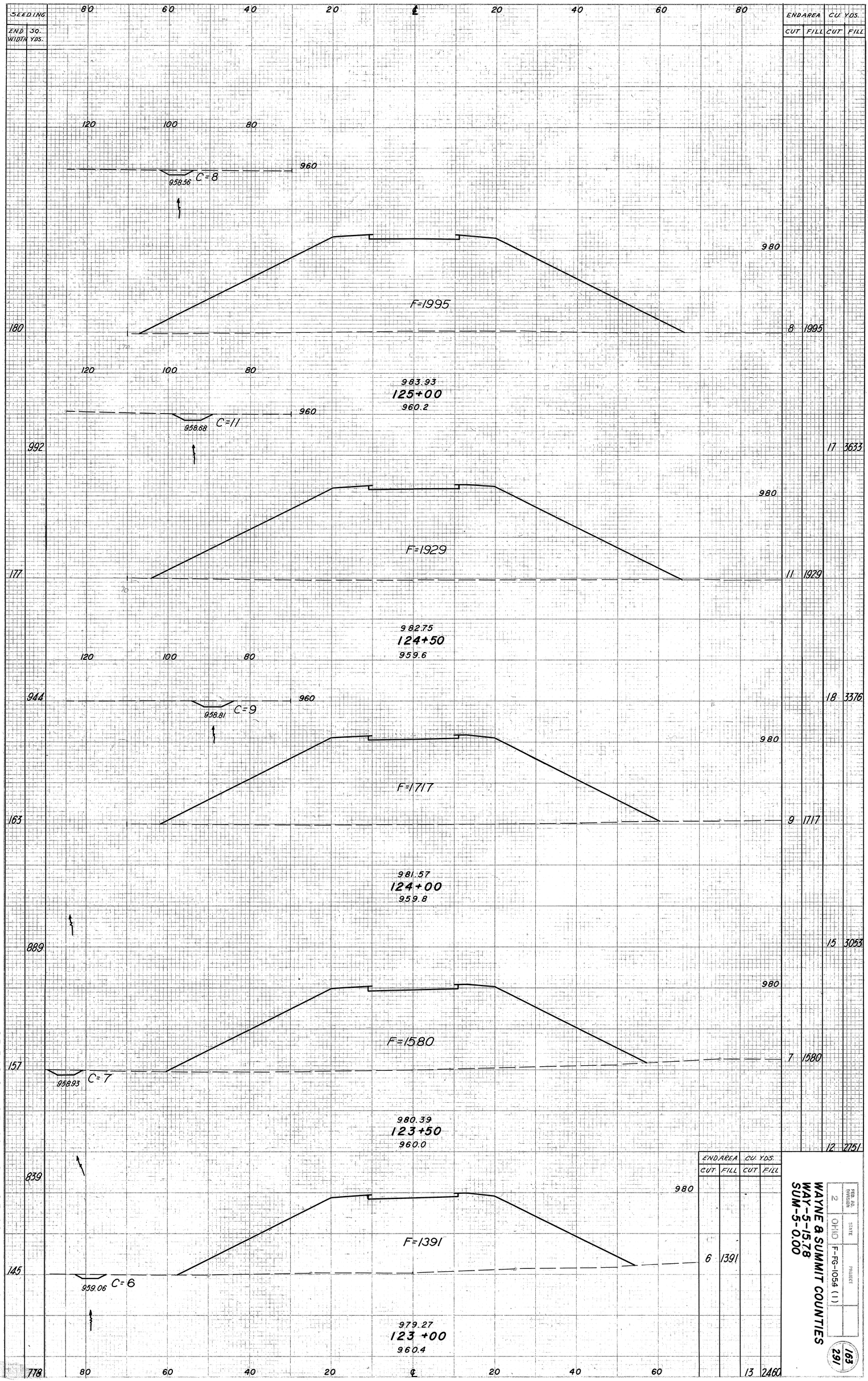


SR 548 Sta. 119+50 to Sta. 122+50

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

FED. ROAD DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054(1)


SEEDING
END WIDTH
SQ. YDS.
80 60 40 20 ℄ 20 40 60 80
END AREA CUT FILL
CU. YDS. CUT FILL
120 100 80
960
958.56
C=8
980
F=1995
180
8 1995
983.93
125+00
960.2
992
17 3633
958.68
C=11
F=1929
177
11 1929
982.75
124+50
959.6
944
18 3376
958.81
C=9
F=1717
163
9 1717
981.57
124+00
959.8
889
15 3053
F=1580
157
7 1580
958.93
C=7
980.39
123+50
960.0
839
12 2751
F=1391
145
6 1391
959.06
C=6
979.27
123 +00
960.4
778
13 2460
SR 548 Sta.123+00 to Sta.125+00
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00
FED. ROAD DIVISION 2
STATE OHIO
PROJECT F-FG-1054 (1)
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FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

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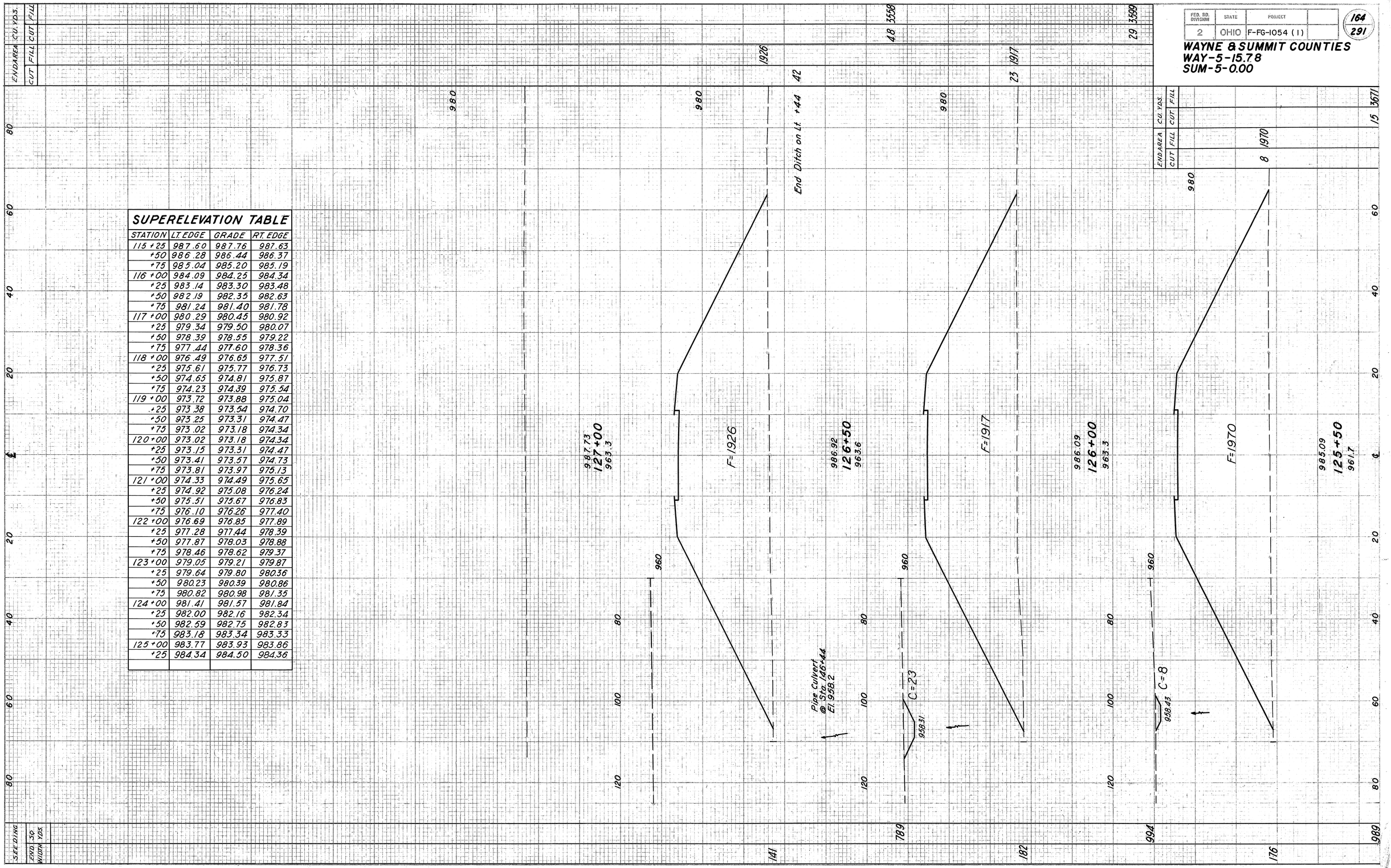
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



SUPERELEVATION TABLE

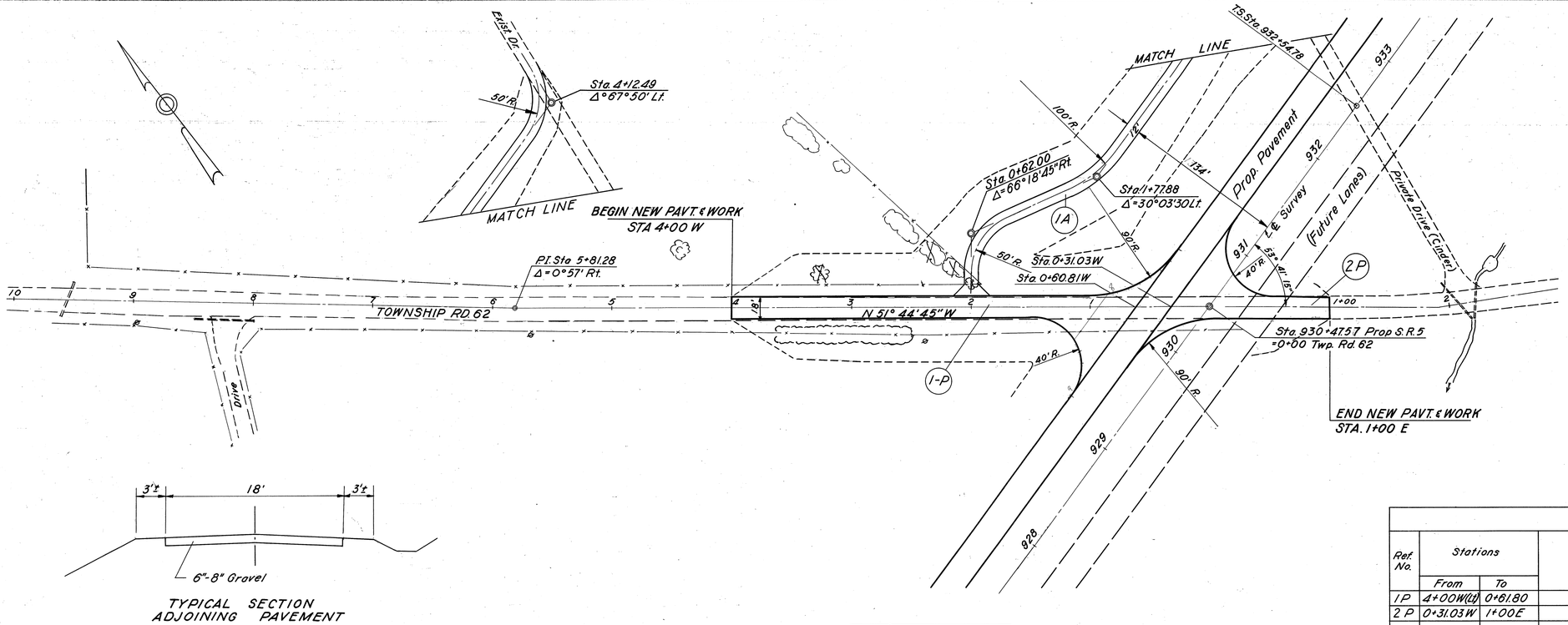
STATION	LT. EDGE	GRADE	RT. EDGE
115 +25	987.60	987.76	987.63
+50	986.28	986.44	986.37
+75	985.04	985.20	985.19
116 +00	984.09	984.25	984.34
+25	983.14	983.30	983.48
+50	982.19	982.35	982.63
+75	981.24	981.40	981.78
117 +00	980.29	980.45	980.92
+25	979.34	979.50	980.07
+50	978.39	978.55	979.22
+75	977.44	977.60	978.36
118 +00	976.49	976.65	977.51
+25	975.61	975.77	976.73
+50	974.65	974.81	975.87
+75	974.23	974.39	975.54
119 +00	973.72	973.88	975.04
+25	973.38	973.54	974.70
+50	973.25	973.31	974.47
+75	973.02	973.18	974.34
120 +00	973.02	973.18	974.34
+25	973.15	973.31	974.47
+50	973.41	973.57	974.73
+75	973.81	973.97	975.13
121 +00	974.33	974.49	975.65
+25	974.92	975.08	976.24
+50	975.51	975.67	976.83
+75	976.10	976.26	977.40
122 +00	976.69	976.85	977.89
+25	977.28	977.44	978.39
+50	977.87	978.03	978.88
+75	978.46	978.62	979.37
123 +00	979.05	979.21	979.87
+25	979.64	979.80	980.36
+50	980.23	980.39	980.86
+75	980.82	980.98	981.35
124 +00	981.41	981.57	981.84
+25	982.00	982.16	982.34
+50	982.59	982.75	982.83
+75	983.18	983.34	983.33
125 +00	983.77	983.93	983.86
+25	984.34	984.50	984.36

SR 548 Sta.125+50 to Sta.127+00

FED. RD DIVISION	STATE	PROJECT	
2	OHIO		

165
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



TYPICAL SECTION
ADJOINING PAVEMENT

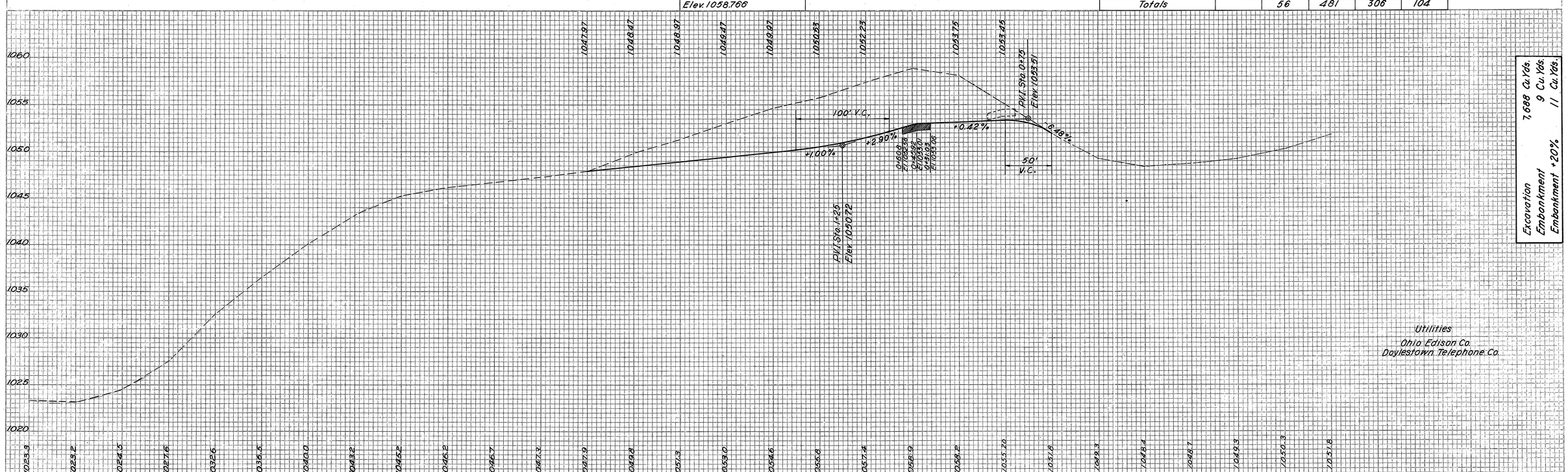
B.M. RR Spike in 30" Oak
213' Lt. of Sta. 929+82
Elev. 1058.766

DRIVES & APPROACHES

Ref. No.	Stations From	Stations To	Side	I-18 Crushed Aggregated Shoulders & Approaches 6" C.Y.
1-A	2+00		L	96
Totals				96

PAVEMENT

Ref. No.	Stations From	Stations To		T-35 Asph. Conc. Surface Course 1½" C.Y.	T-30 Bituminous Prime Coat Gal.	B-119 Crushed Aggregate Base Crse. 8" Cu. Yds.	I-9 Stone Underdrain L.F.
1P	4+00W(Lt)	0+61.80		37	318	202	81
2P	0+31.03W	1+00E		19	163	104	23
Totals				56	481	306	104



Excavation 7,688 Cu. Yds.
Embankment 9 Cu. Yds.
Embankment +20% 11 Cu. Yds.

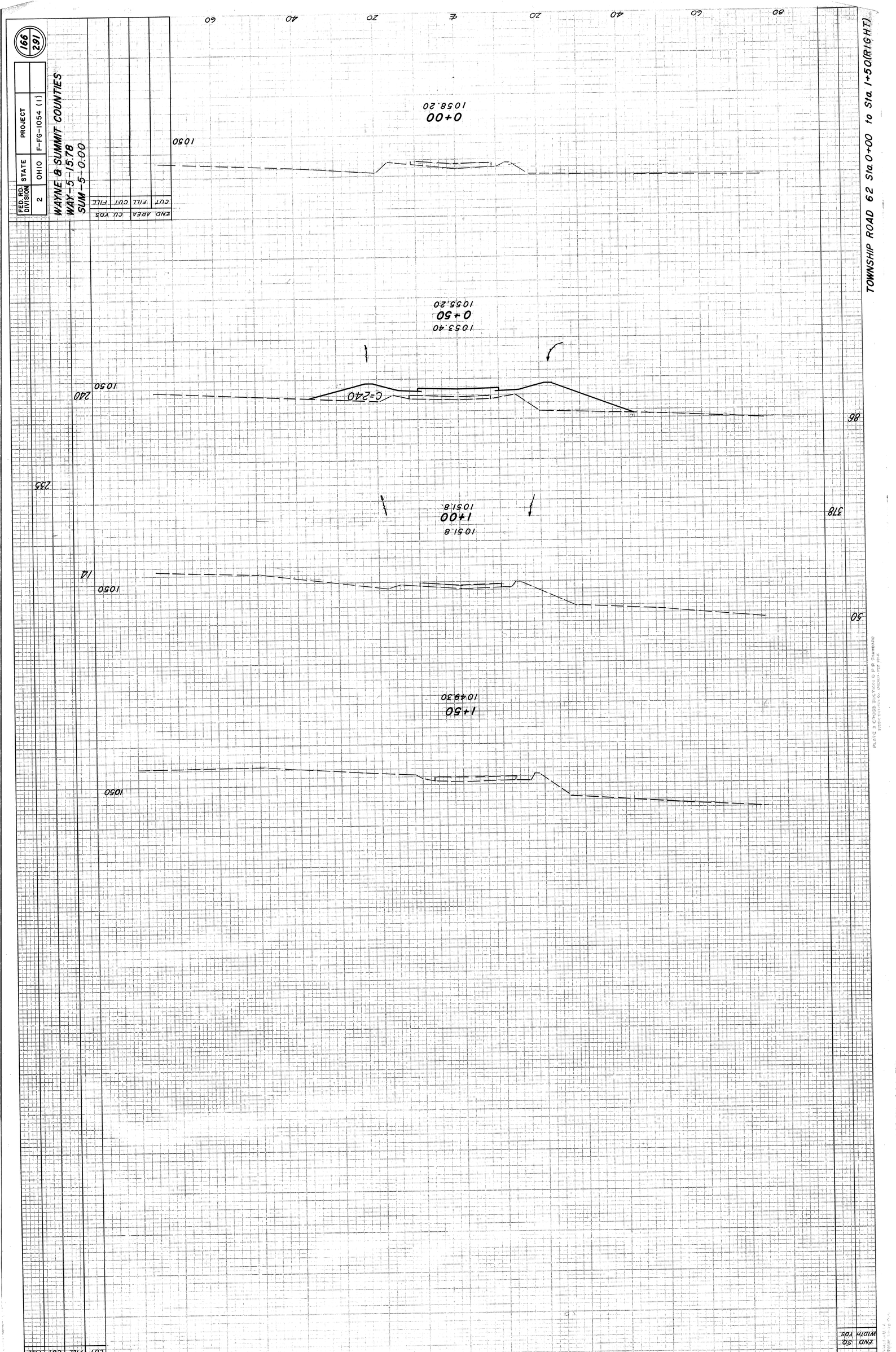
Utilities
Ohio Edison Co.
Doylestown Telephone Co.

TOWNSHIP ROAD 62 Sta. 10+00 to Sta. 0+00

PLATE 4 CROSS SECTION B. P. R. & R. E. STANDARD
EUGENE DIETZGEN CO. CHICAGO - NEW YORK

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

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



FED. RD. DIVISION
2
STATE
OHIO
PROJECT
F-FG-1054 (1)
166
291
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00
END AREA
CU. YDS.
CUT
FILL
0+00
1058.20
1050
0+50
1055.20
1053.40
C=240
240
1+00
1051.8
1051.8
14
1+50
1049.30
235
378
86
50
TOWNSHIP ROAD 62 Sta.0+00 to Sta. 1+50(RIGHT)
SEEDING
END SQ. WIDTH YDS.

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

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

SEEDING

END WIDTH	SQ YDS
40	350
86	494
92	511
92	94

Add. 1035 Sq. Yds. @ Drive between Stations 1+50 - 2+50

80 60 40 20 ℄ 20 40 60 80

1047.97
4+00
1047.90

C=194

1048.47
3+50
1049.80

C=284

1048.97
3+00
1051.30

C=96

1049.47
2+50
1053.00

Additional for Drive on Rt.

For additional quantities see Cross Sections for Private Drive

C=669

1049.97
2+00
1054.60

Additional for Drive on Rt.

C=451

1050.53
1+50
1055.8

Note: Grading Quantities to 1+50 included in S.R.5 Quantities.

1051.51
1+00
1057.40

0+50
1058.90

0+00
1058.20

END. AREA CUT	END. AREA FILL	CU. YDS. CUT	CU. YDS. FILL
1050 14			193
194			443
284			597
361			954
669			1037
451			

1050

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054	(1)

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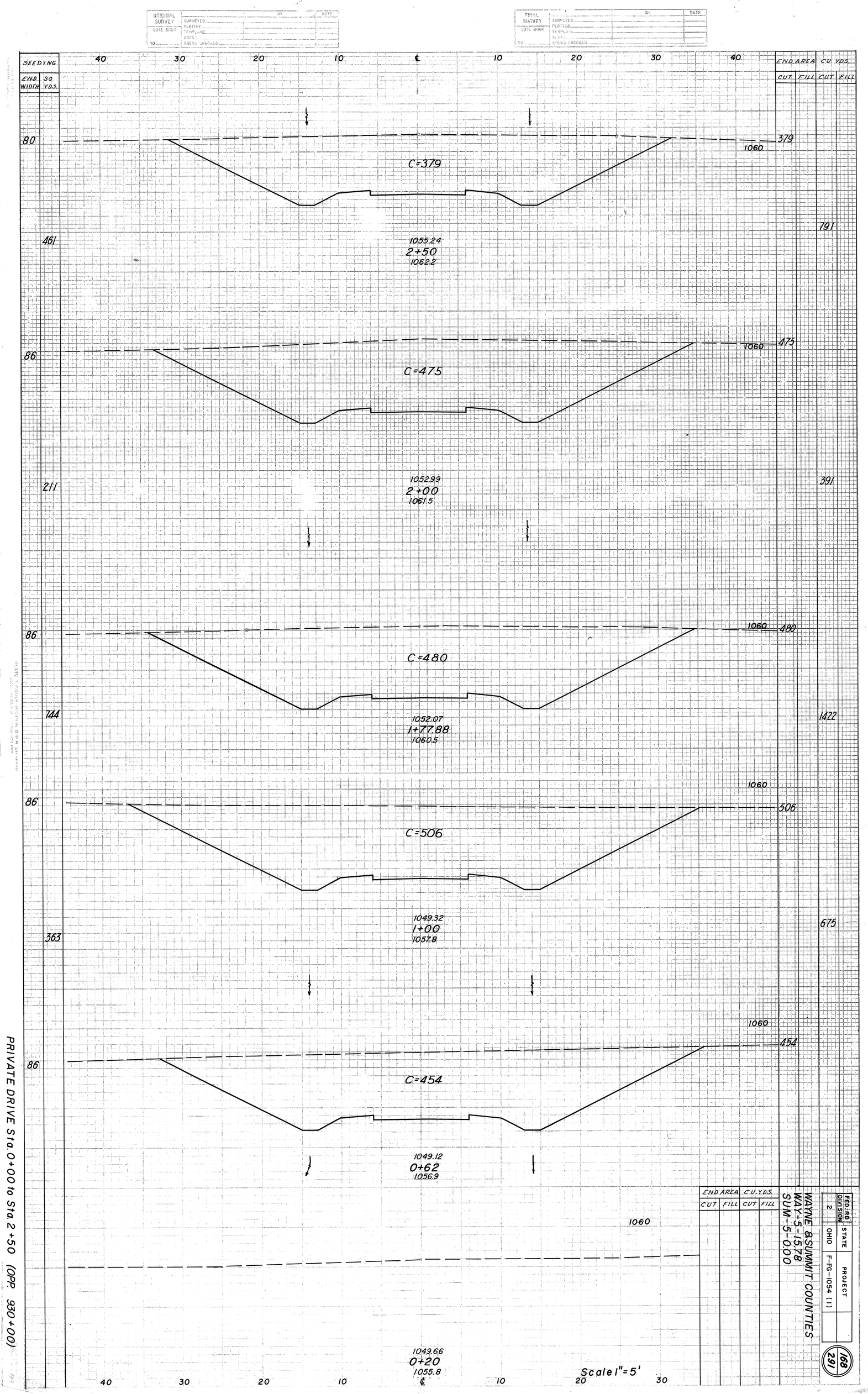
291

TOWNSHIP ROAD 62 Sta. 0+00 to Sta. 4+00 (LEFT)



PRIVATE DRIVE Sta. 0+00 to Sta. 2+50 (OPP. 930+00)

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054 (1)

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FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

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WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
2.18		282	553

Scale 1" = 5'

Stations On Tangent

PVT Sta. 1+50
100' V.C.
+1.56% -4.31%
PVI Sta. 1+00
El. 1048.56
PVC Sta. 0+50

Sta.	Elev.
0+00	1054.5
+20	1055.8
1+00	1057.8
2+00	1061.5
3+00	1061.4
4+00	1060.9
5+00	1066.0
6+00	1067.3
	1067.8
	1066.00
	1063.75
	1062.57 +1249
	1061.80
	1059.75
	1057.50
	1055.24
	1052.07 +1788
	1050.82
	1049.58 +25
	1049.32
	1049.12 +62
	1049.19
	1049.66
	1049.97

Sta.	Elev.
1060	
1060	
1060	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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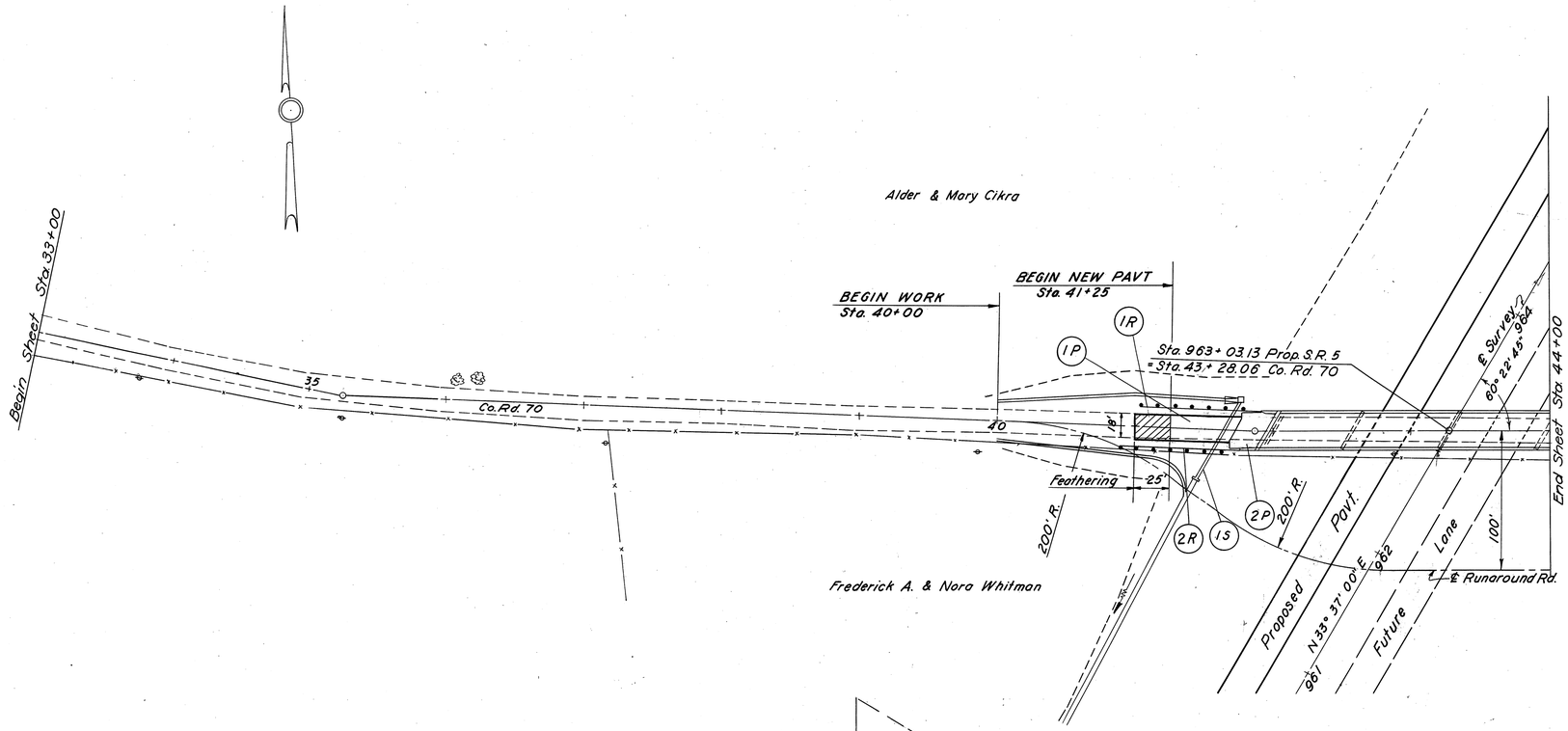
291

WAY-5-15.78
SUM-5-0.00
WAYNE & SUMMIT COUNTIES

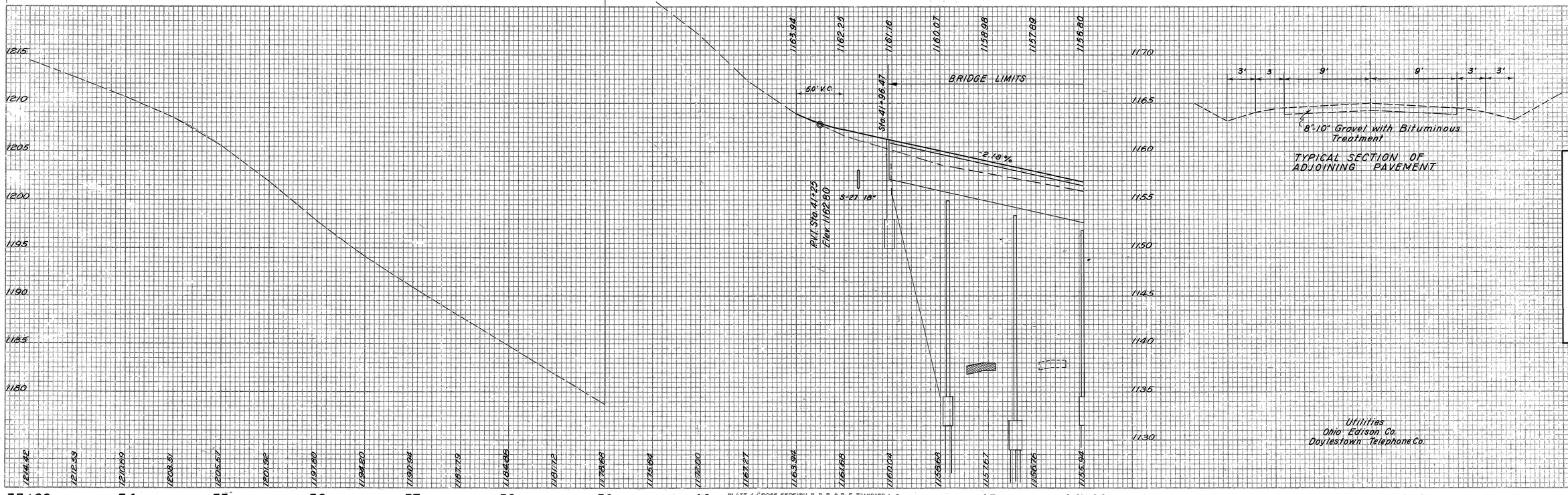


PAVEMENT & ROADWAY

Ref No.	Station From	Station To	Side	B-119 Crushed Aggregate Base Course 8" C.Y.	T-30 Bituminous Prime Coat Gal.	T-35 Asphaltic Concrete Surface Course 1½" C.Y.	I-9 Stone Underdrain L.F.	I-7 Reinf. Conc. Approach Slab T=13" S.Y.	I-15 Guard Rail Steel Beam Deep L.F.
1P	41+00	41+71.47	℄	22	52	5.3	23		
2P	41+71.47	41+96.47	℄					74.5	
1R	41+05	41+92.5	L						87.5
2R	40+89	41+76.5							87.5
Totals				22	52	5.3	23	74.5	175.0

STRUCTURES (20' span and under)

Ref. No.	Station From	Station To	Side	E-2 Excavation for Structures C.Y.	S-1 Concrete for Structures Class E C.Y.	S-27 Pipe for Roadway Culverts 18" L.F.	I-8 No. 2-2 A Catch Basin Modified Each	I-14 Paved Gutter Type 1C L.F.	L-10 Sodding S.Y.	See Sheet No.
1S	41+65			30	0.6	66	1	10	2	231
Totals				30	0.6	66	1	10	2	



Excavation	599 Cu. Yds.
Embankment	22 Cu. Yds.
Embankment +20%	26 Cu. Yds.

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

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

PLATE 4 CROSS SECTION B. P. R. & R. E. STANDARD
EUGENE DIETZGEN CO. CHICAGO - NEW YORK

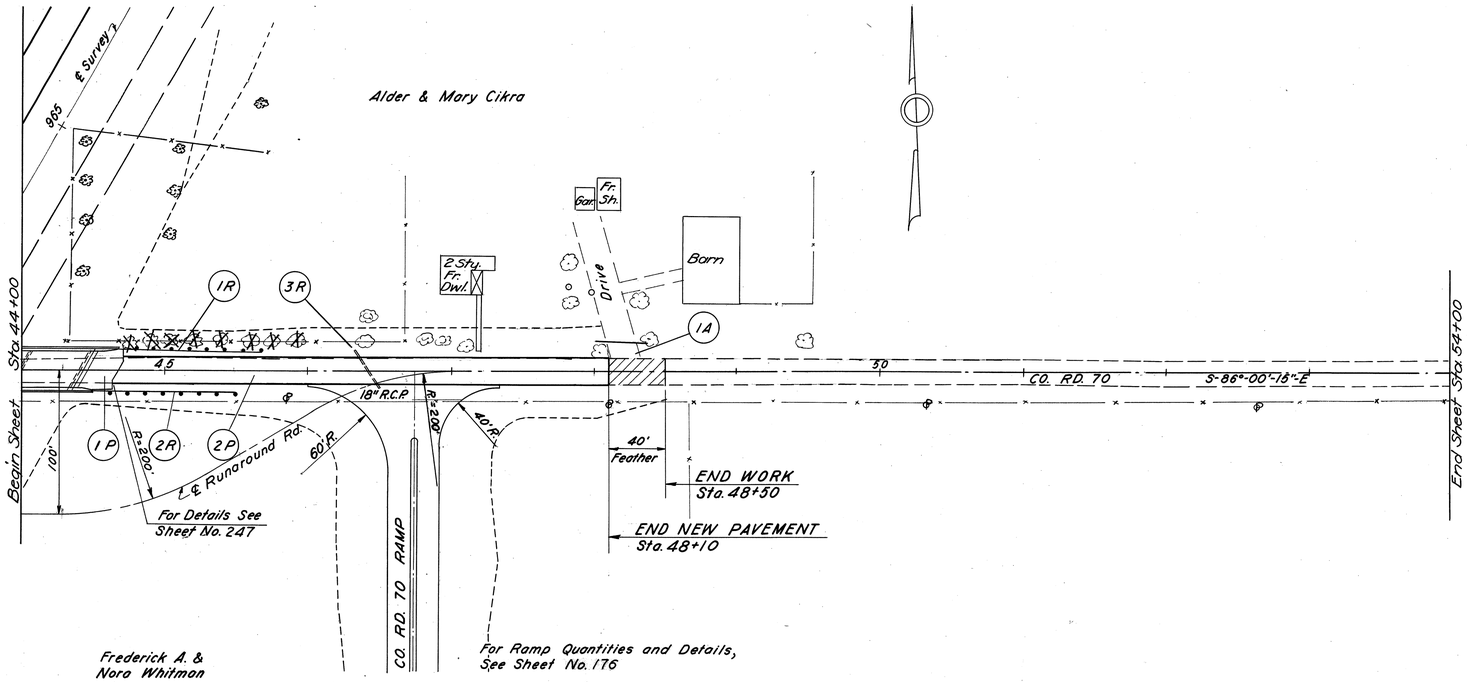
COUNTY ROAD 70 Sta. 33+00 to Sta. 44+00

Printed in U.S.A. Co. IMPERIAL Trading Cloth

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

171
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



PAVEMENT

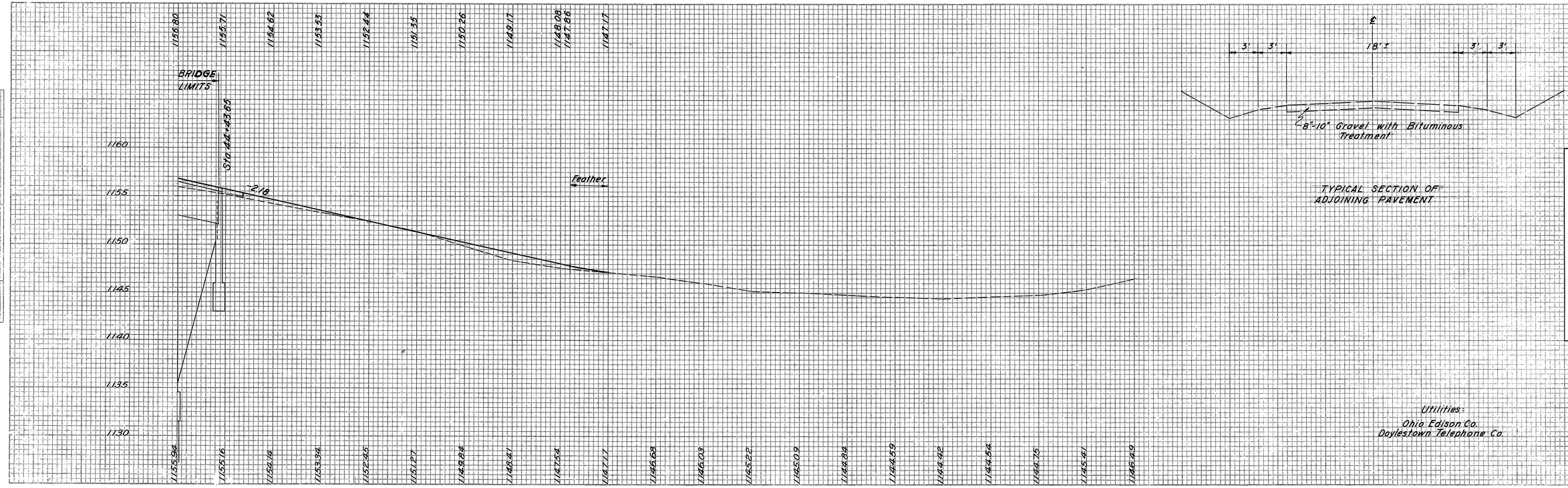
Ref. No.	Station From	Station To	Side	B-119 Crushed Aggregate Base Course 8" C.Y.	T-30 Bituminous Prime Coat Gal.	T-35 Asphaltic Concrete Surface Course 1½" C.Y.	I-9 Stone Underdrain L.F.	I-7 Reinf. Conc. Approach Slab T=13" S.Y.
1P	44+43.65	44+68.65						74.5
2P	44+68.65	48+50		160	280	36	161	
Totals				160	280	36	161	74.5

ROADWAY

Ref. No.	Station From	Station To	Side	I-15 Guard Rail Steel Beam Deep L.F.	E-12 Pipe Removed Over 15" L.F.
1R	44+67.5	45+67.5	L	100	
2R	44+48.5	45+48.5	R	100	
3R	46+42				32
Totals				200	32

DRIVES & APPROACHES

Ref. No.	Station	Side	B-119 Crushed Aggregate Base Course 6" C.Y.	I-1 Pipe for Driveways 12" L.F.
1A	48+20	L	5	34
Totals			5	34



Excavation 1,167 Cu. Yds.
Embankment 124 Cu. Yds.
Embankment +20% 149 Cu. Yds.

COUNTY ROAD 70 Sta. 44+00 to Sta. 54+00

PLATE CROSS SECTION B. P. R. 6 E. STANDARD
EUGENE DIETZGEN CO. CHICAGO NEW YORK

Printed in U.S.A. On IMPERIAL Tracing Cloth

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

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WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

		40+50	40+00	39+50	39+00	38+50
END AREA	CUT	14	0	0	0	0
	FILL	4				
CU. YDS.	CUT	68				
	FILL	4				

		40+50	40+00	39+50	39+00	38+50
		1167.27	1172.00	1175.84	1178.68	1181.72
		1170	1170	1170	1170	1170
		C=29				
		1:2				
		F=1				
		F=3				
		C=45				
		2:1				

		40+50	40+00	39+50	39+00	38+50
SEEDING		65	42			
END AREA	SQ.	297				
CU. YDS.	WIDTH					

Co. Rd. 70 Sta. 38+50 to Sta. 40+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

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291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM-5- 0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
		235	11
	4		213
156			7

OUT FOR BRIDGE

1155.71
44+50
1155.16

1156.80
44+00
1155.94

1157.89
43+50
1156.76

1158.98
43+00
1157.67

1160.07
42+50
1158.68

1161.16
42+00
1160.04

Pipe Culvert
Sta. 41+85
El. 1156.5

1162.25
41+50
1161.68

1163.94
41+00
1163.94

C=23
F=2
C=75
F=6
C=54
F=2
C=102
F=2

SECTIONS	END AREA SQ. FT.	CU. YDS.
WIDTH	47	83 / 453 / 80 / 403

Co. Rd. 70 Sta. 41+00 to Sta. 44+50

FED. RD. DIVISION	STATE	PROJECT		174
2	OHIO	F-FG-1054 (1)		291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

	CU. YDS.	
END AREA	CUT	FILL
CUT	14	16
FILL	20	31

	CU. YDS.	
END AREA	CUT	FILL
CUT		
FILL		

SEEDING	
END SQ	
WIDTH	YDS.
33	292
60	339
62	333
58	

Sta 46+00 to Sta 47+50 = 1276

Co. Rd. 70 Sta. 45+00 to Sta. 47+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

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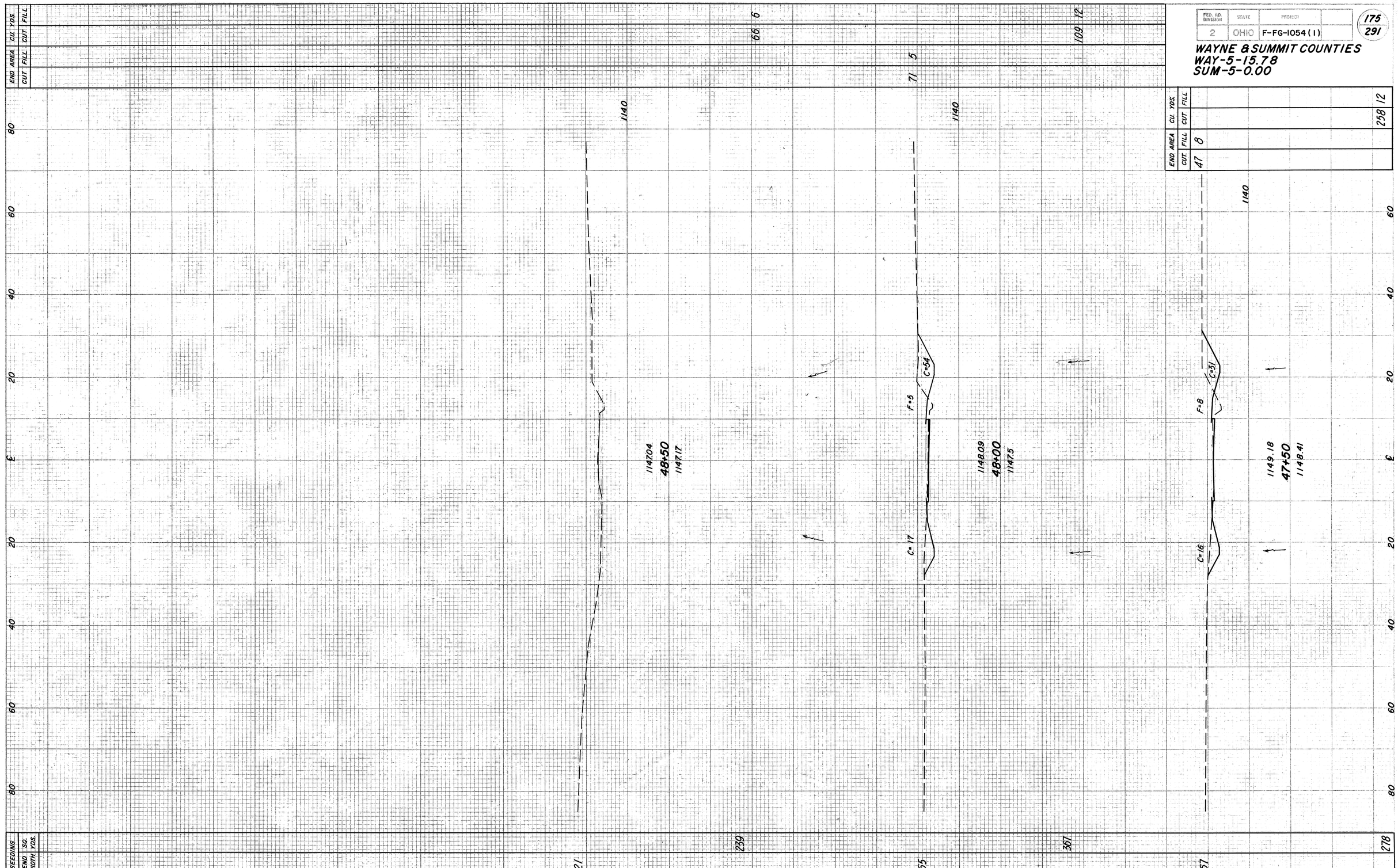
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

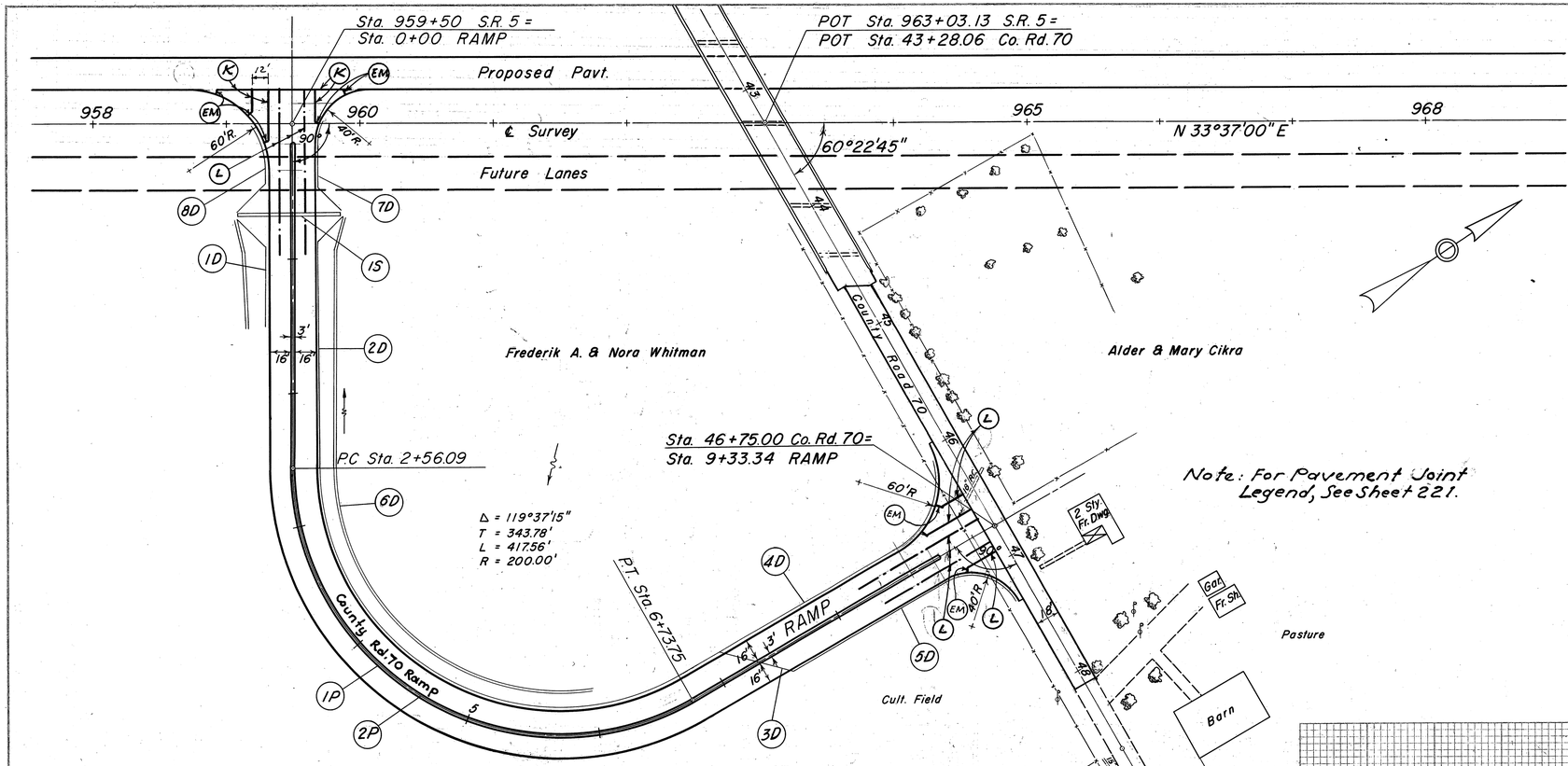


COUNTY ROAD 70 Sta. 47+50 to Sta. 48+50

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

176
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



Note: For Pavement Joint Legend, See Sheet 221.

DRAINAGE

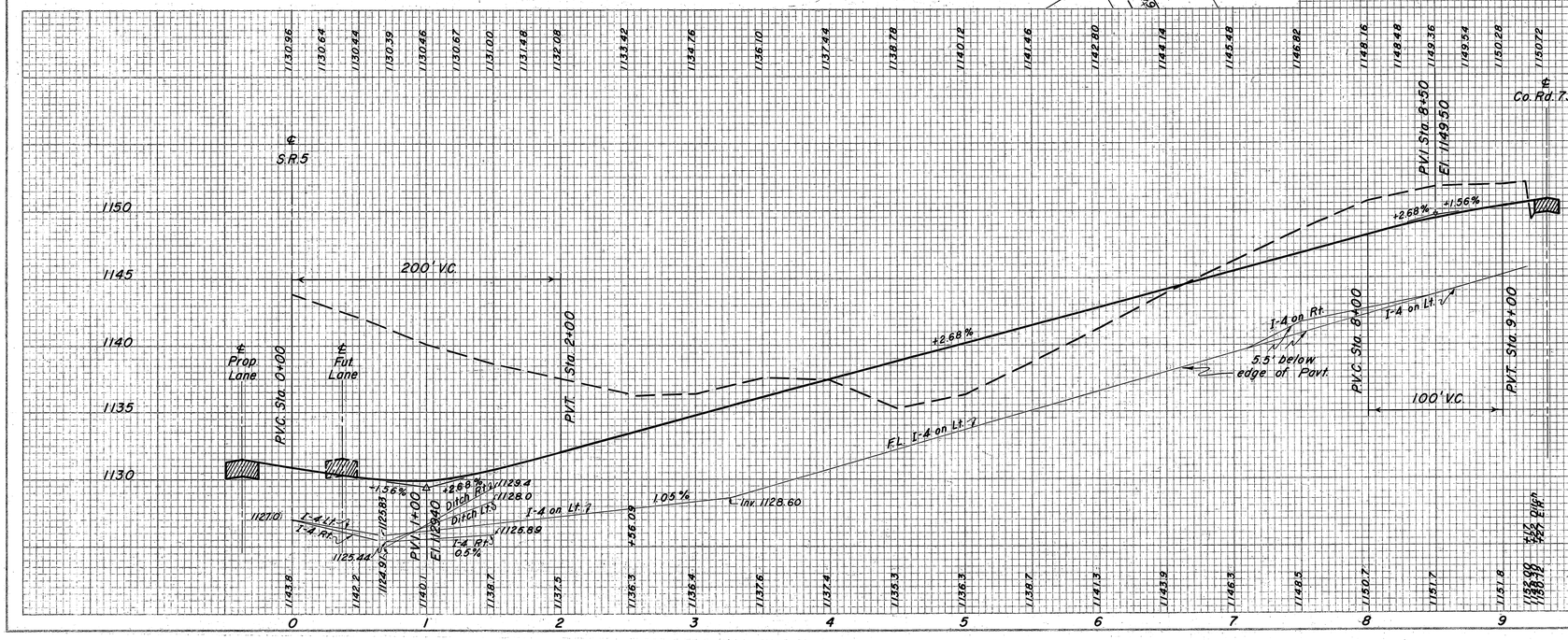
Ref. No.	Station From	Station To	Side	I-4 Underdrain 6" Shallow L.F.	I-4 Underdrain 6" Deep L.F.	I-4 Pipe Outlets for Underdrain 6" L.F.	I-5 for I-4 45° Bend 6" Ea.	I-5 for I-4 Wye 6"x6" Ea.	L-10 Sodding Width L.F.	L-10 Sodding S.Y.	
1D	0+68	1+50	R	80		10	1				
2D	0+68	7+11	L	252	386	10	1				
3D	7+11	7+50	L&R		55			2			
4D	7+11	9+17	L		226						
5D	7+50	9+17	R		182						
6D	0+66	6+00	L						6	356	
7D	0+00	0+64	L	63		10	1				
8D	0+00	0+64	R	65		10	1				
Totals				460	849	40	4	2		356	

PAVEMENT

Ref. No.	Station From	Station To	Side	I-21 4" P.C. Concrete Median Pavt S.Y.	I-12 Std. Type 2-A Concrete Curb L.F.
1P	0+10	8+86	℄	195	
2P	0+10	8+86	℄		1758
Totals				195	1758

STRUCTURES (20' Span and Under)

Ref. No.	Station	Side	E-2 Excavation for Structures C.Y.	L-10 Sodding S.Y.	S-1 Concrete for Structures Class E C.Y.	S-27 Pipe for Roadway Culverts 27" L.F.	See Sheet No.
1-S	0+66	L&R	54	14	1	78	232
Totals			54	14	1	78	



SUPERELEVATION TABLE

Station	Left Edge	Median Edge	Rt. Edge	Station	Left Edge	Median Edge	Rt. Edge
0+50	1130.19	1130.44	1130.19	5+00	1138.79	1140.12	1141.45
0+75	1130.02	1130.39	1130.31	+25	1139.46	1140.79	1141.12
1+00	1129.98	1130.46	1130.55	+50	1140.13	1141.46	1142.79
+25	1130.07	1130.67	1130.93	+75	1140.80	1142.13	1143.46
+50	1130.29	1131.00	1131.43	6+00	1141.47	1142.80	1144.13
+75	1130.65	1131.48	1132.08	+25	1142.18	1143.47	1144.75
2+00	1131.13	1132.08	1132.85	+50	1142.97	1144.14	1145.25
+25	1131.69	1132.75	1133.69	+75	1143.75	1144.81	1145.75
+50	1132.25	1133.42	1134.53	7+00	1144.53	1145.48	1146.25
+75	1132.80	1134.09	1135.37	+25	1145.32	1146.15	1146.75
3+00	1133.43	1134.76	1136.09	+50	1146.11	1146.82	1147.25
+25	1134.10	1135.43	1136.76	+75	1146.89	1147.49	1147.75
+50	1134.77	1136.10	1137.43	8+00	1147.68	1148.16	1148.25
+75	1135.44	1136.77	1138.10	+25	1149.11	1148.48	1148.40
4+00	1136.11	1137.44	1138.77	+50	1149.11	1149.36	1149.11
+25	1136.78	1138.11	1139.44				
+50	1137.45	1138.78	1140.11				
+75	1137.12	1139.45	1140.78				

Excavation	10,947 Cu.Yds.
Embankment	758 Cu.Yds.
Embankment +20%	910 Cu.Yds.

COUNTY ROAD 70 RAMP Sta 0+00 to Sta 9+33.34

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

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WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

	CU. YDS.	
END AREA	CUT	FILL

	CU. YDS.	
END AREA	CUT	FILL

SEEDING	SQ. YDS.
END WIDTH	

	352	590	870	1252	1821
END AREA CUT	83	95	104	117	147
END AREA FILL	494	583	614	733	
CU. YDS. CUT	872	1352	1965	2845	
CU. YDS. FILL					

1140 1140 1140 1140 1140

C=352 C=590 C=870 C=1252 C=1821

1133.58 1132.08 1131.00 1130.46 1130.44
2+50 2+00 1+50 1+00 0+50
1136.3 1137.5 1138.7 1140.1 1142.2

1129.4 1128.0 1126.4 1125.9

1126.8 1124.7

Inv. Elev. 1124.9

Inv. Elev. 1125.36

Pipe at Sta. 0+66

80 60 40 20 ℄ 20 40 60 80

Co. Rd. 70 RAMP Sta. 0+50 - 2+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

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WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
	285 3		590 3

SEEDING END WIDTH	SEEDING SQ. YDS.
96	414
53	308
58	344
66	380
71	386
68	406
78	442
81	456

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
186	5	190	33
19	31	24	126
7	105	16	162
10	170	22	219
14	187	121	178
117	25	343	26
254	3	499	6

1144.41
6+50
1143.9

1142.80
6+00
1141.3

1141.46
5+50
1138.7

1140.12
5+00
1136.3

1138.78
4+50
1135.3

1137.44
4+00
1137.4

1136.10
3+50
1137.6

1134.76
3+00
1136.4

C=110 F=5 C=76 F=31 C=8 C=11 F=98 F=7 C=7 C=10 F=170 F=164 F=3 C=14 F=23 C=117 F=3 C=7 C=247 C=5 F=3 C=280

Co. Rd. 70 RAMP Sta. 3+00 to Sta. 6+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

179
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA	CU. YDS.
CUT / FILL	CUT / FILL
215	371 / 5

END AREA	CU. YDS.
CUT / FILL	CUT / FILL

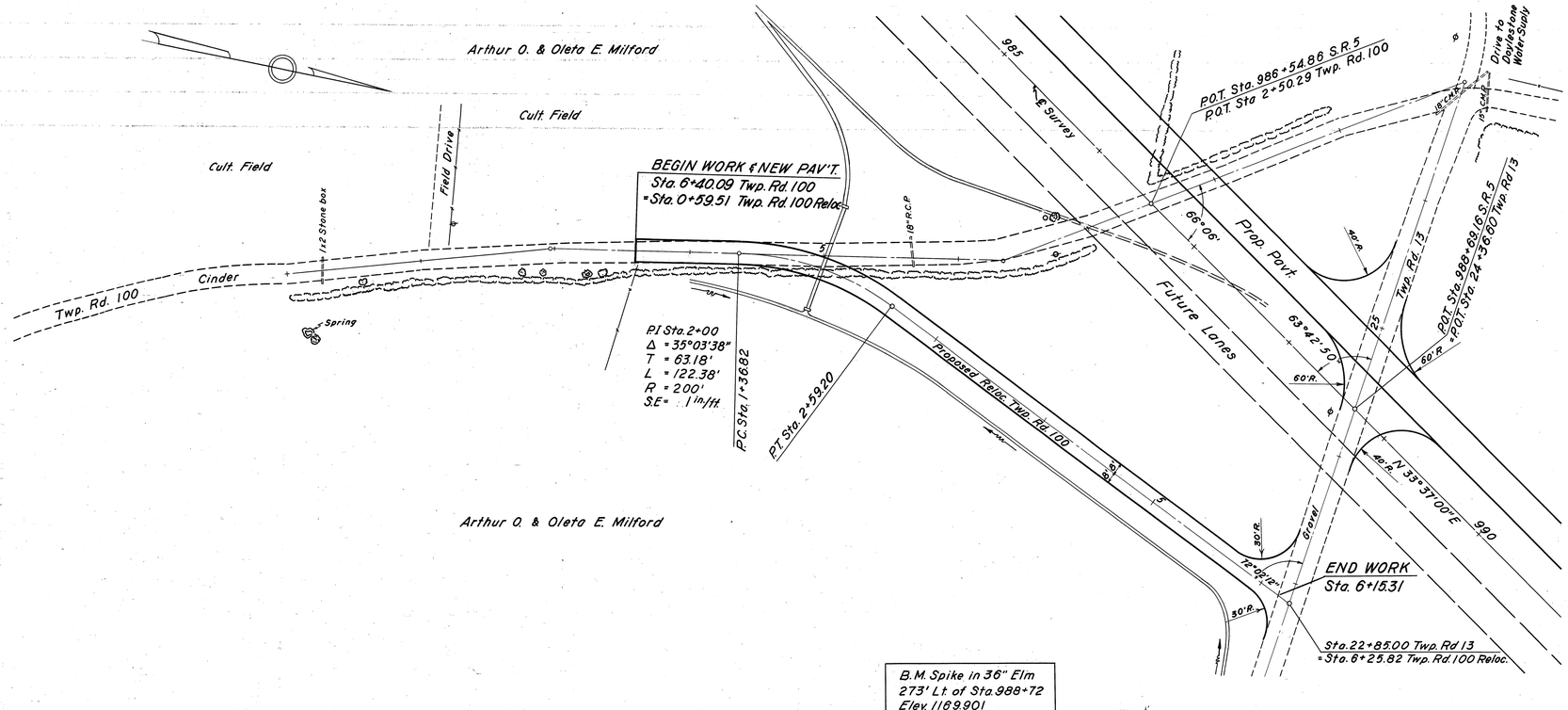
SEEDING	
END WIDTH	SQ. YDS.
89	508
94	497
85	456
79	486

Co Rd. 70 RAMP Sta 7+00 to Sta 9+27

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

180
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

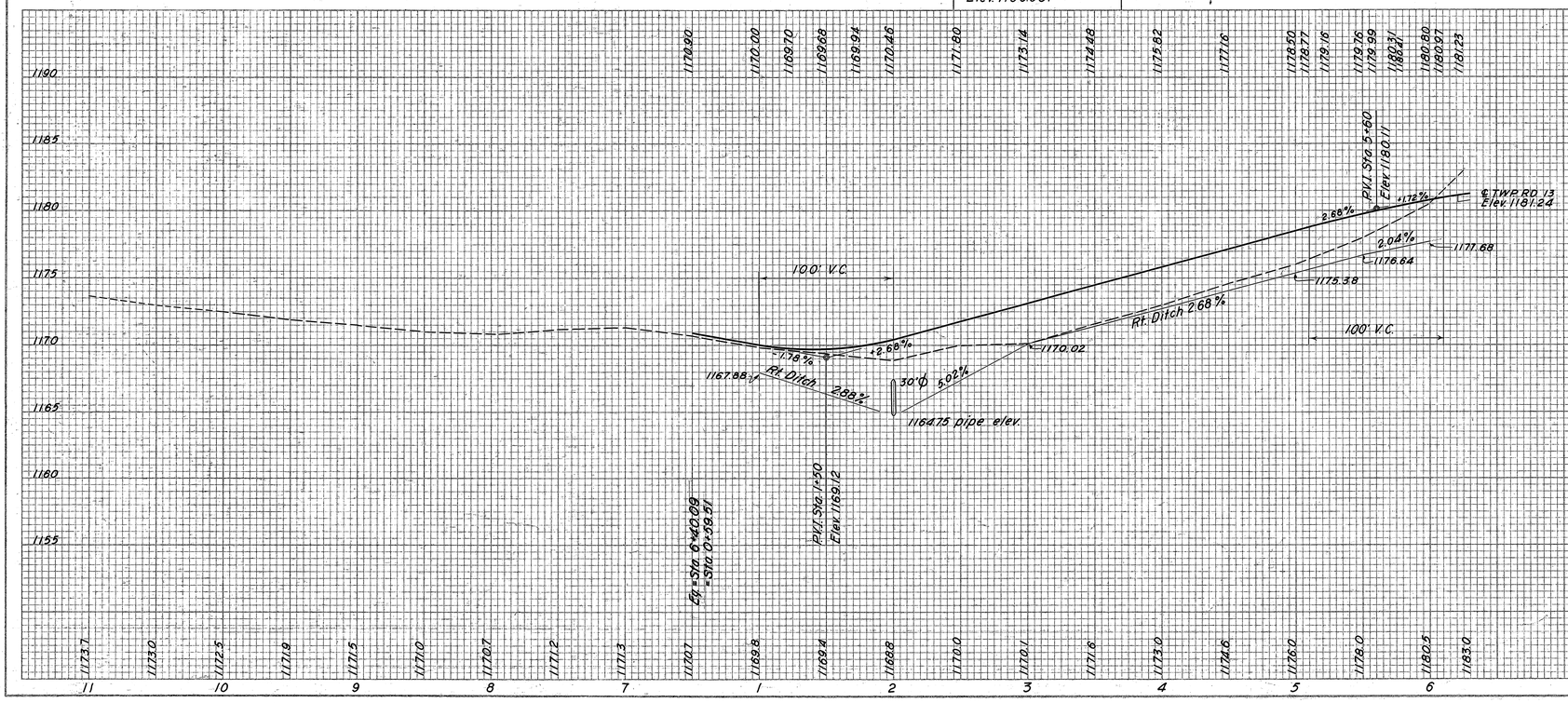


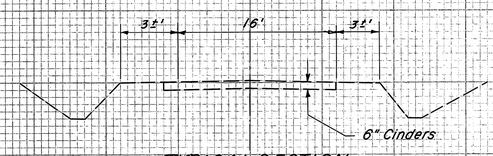
PAVEMENT

Ref. No.	Station From	Station To	B-119 Crushed Aggregate Base Course 8" C.Y.	T-30 Bituminous Prime Coat Gal.	T-35 Asphaltic Concrete Surface Course 1½" C.Y.	I-9 Stone Underdrain Type 2 L.F.	
1P	0+59.51	6+25.82	246	390	43.4	276	
Total			246	390	43.4	276	

STRUCTURES (20' span & under)

Ref. No.	Station	E-2 Structure Excavation C.Y.	S-1 Conc. for Structures Class E C.Y.	S-27 Pipe for Roadway Culverts 36" L.F.	E-3 Channel Excavation C.Y.	I-10 Dumped Rock S.Y.	See Sheet No.
1-S	2+00	65	0.8	80	24	9	2.3.8
Totals		65	0.8	80	24	9	





TYPICAL SECTION
ADJOINING PAVEMENT
Sta. 6+40.09 Ahead

Excavation	718 Cu. Yds.
Embankment	1,006 Cu. Yds.
Embankment + 20%	1,206 Cu. Yds.

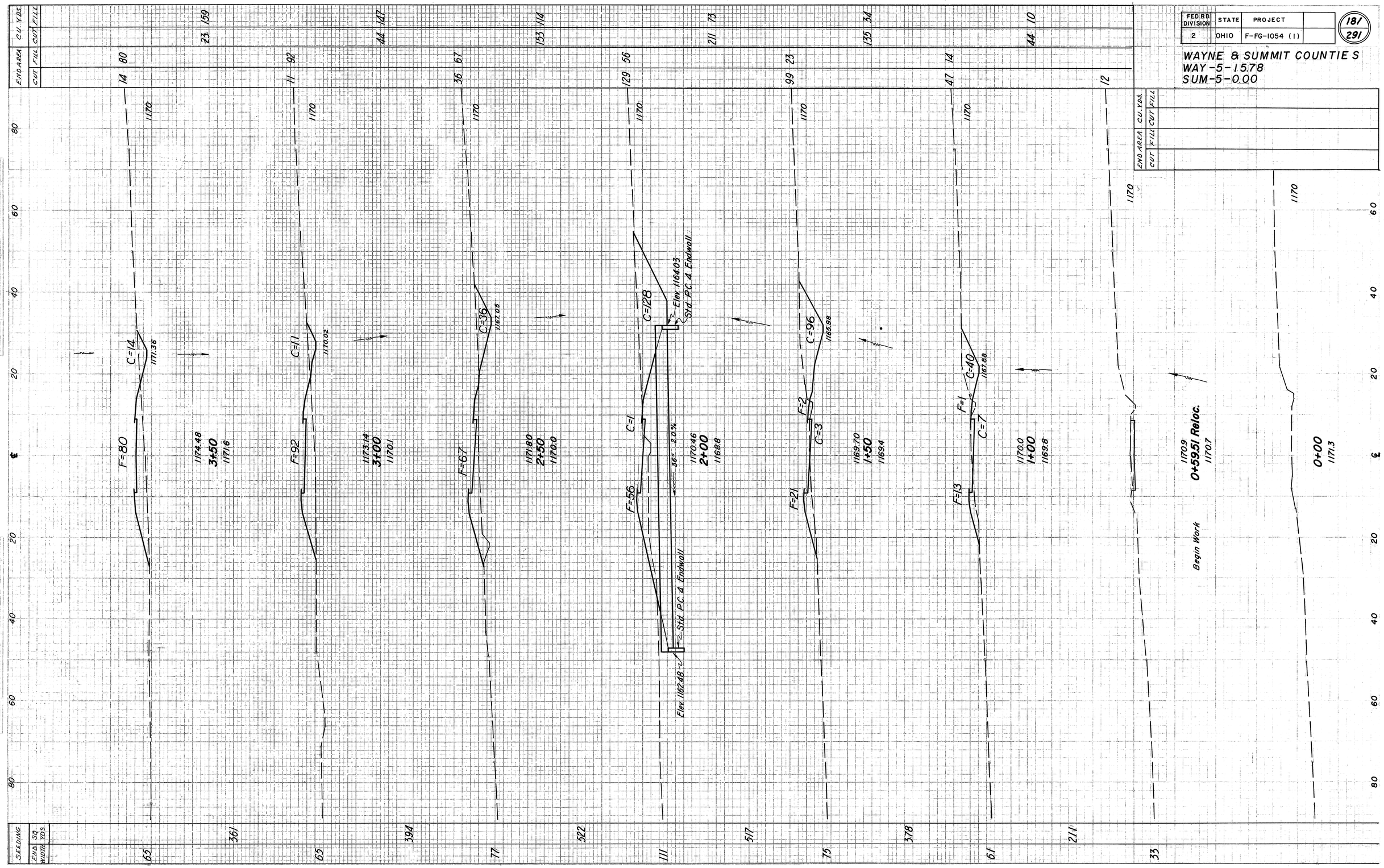
Utilities
Ohio Edison Co.
Doylestown Telephone Co.

TOWNSHIP ROAD 100 Sta. 1+00 to Sta. 6+25

FED.RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

181/291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



TOWNSHIP ROAD 100 Sta. 0+00 to Sta. 3+50

FED.RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

182
291

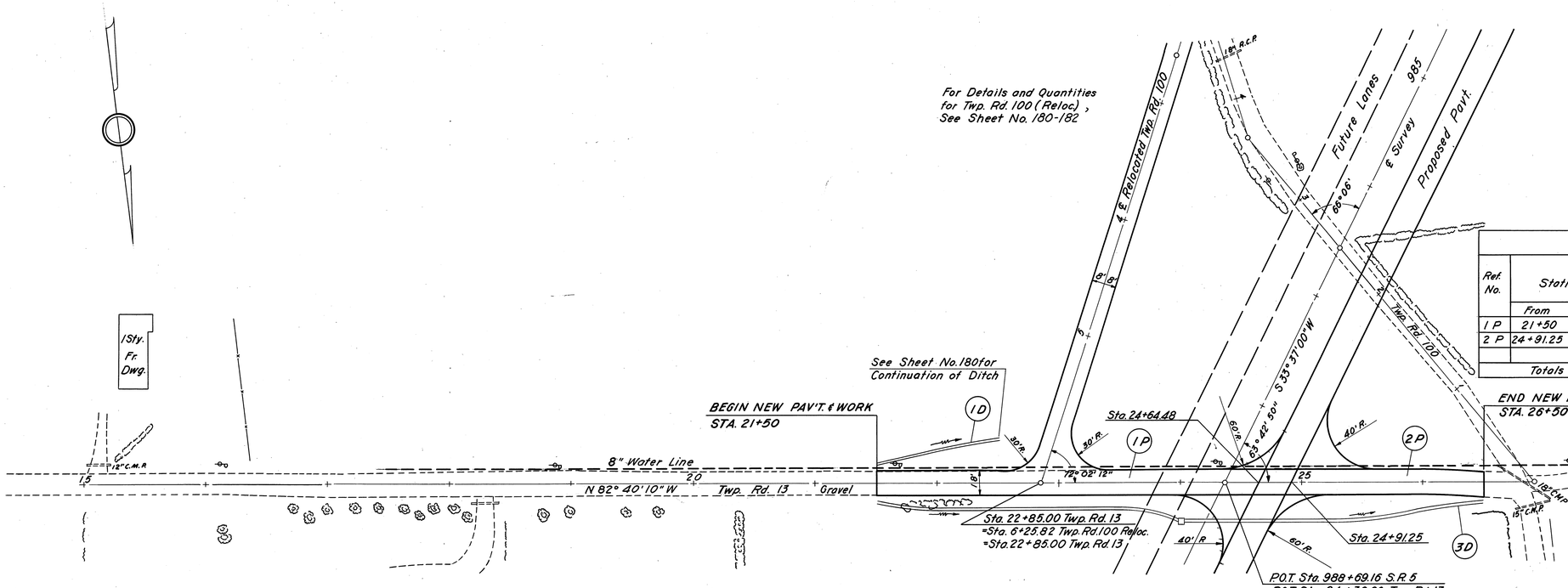
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

| | | |

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

183
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



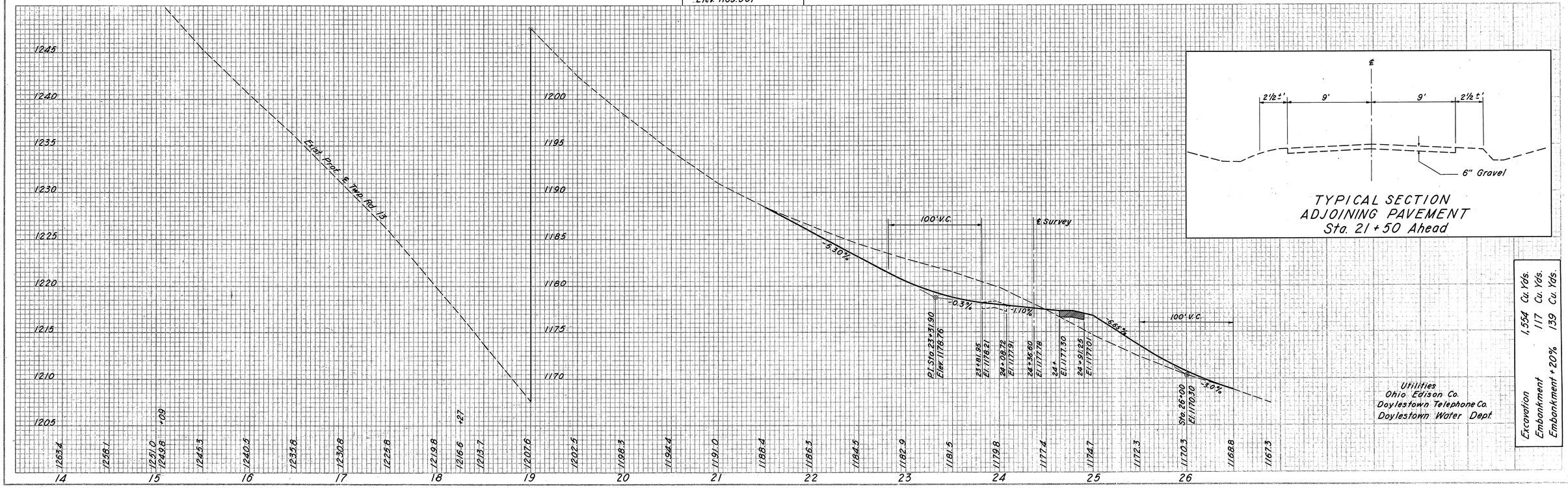
PAVEMENT

Ref. No.	Station From	Station To	B-119 Crushed Agg. base Course 8" Cu. Yds.	T-30 Bituminous Prime Coat Gal.	T-35 Asphaltic Conc. Surf. Course 1½ Cu. Yds.	I-9 Stone Underdrain L.F.	
1 P	21+50	24+64.48	178	280	31.7	138	
2 P	24+91.25	26+50	105	170	19.0	69	
Totals			283	450	50.7	207	

DRAINAGE

Ref. No.	Station From	Station To	Side	L-10 Sodding Width	L-10 Sodding S.Y.
1 D	21+50	22+50	L	6	100
2 D	21+50	24+15	R	6	265
3 D	25+19	26+50	R	6	131
Total					496

B.M. Spike in 36" Elm
273' Lt. of Sta. 988+72
Elev. 1169.901

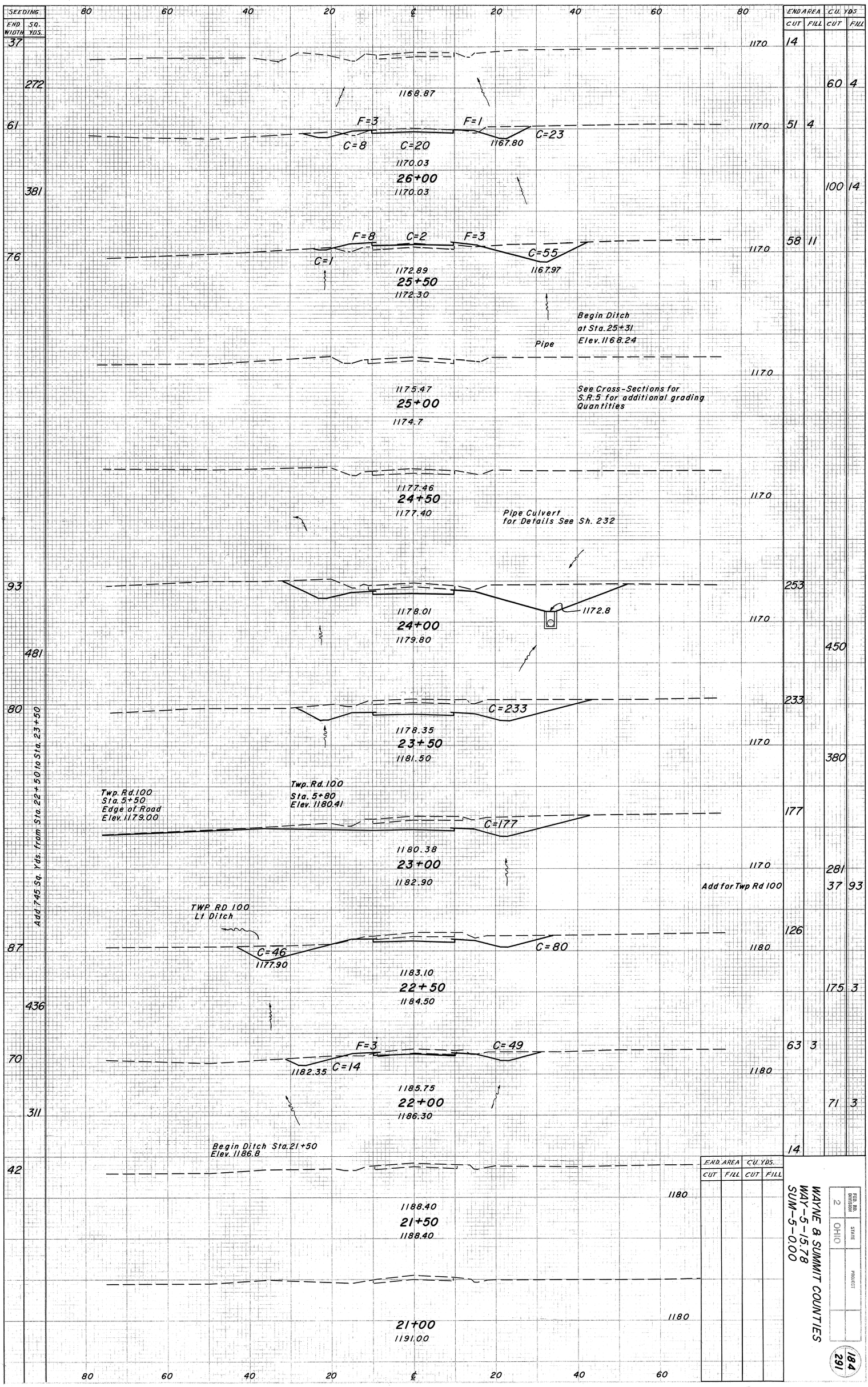


TYPICAL SECTION
ADJOINING PAVEMENT
Sta. 21+50 Ahead

Utilities
Ohio Edison Co.
Doylestown Telephone Co.
Doylestown Water Dept.

Excavation	1,554 Cu. Yds.
Embankment	117 Cu. Yds.
Embankment + 20%	139 Cu. Yds.

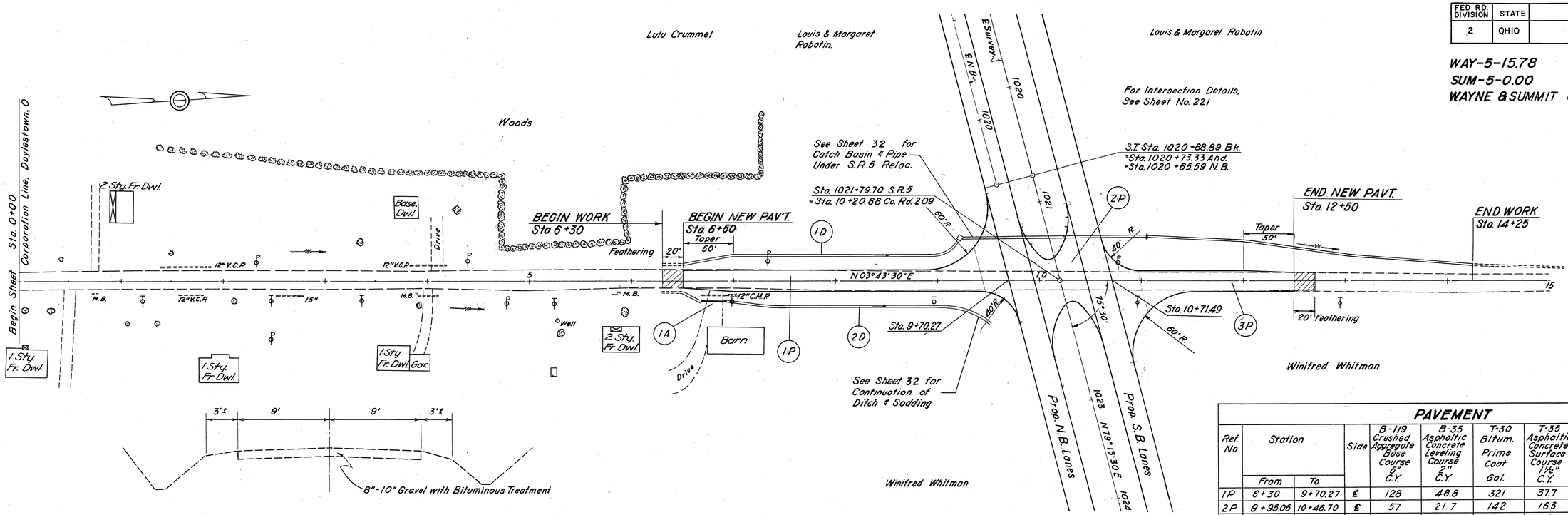
TOWNSHIP RD. 13


SEEDING
END WIDTH
SQ. YDS.
80 60 40 20 ℄ 20 40 60 80
END AREA CUT FILL
C.U. YDS. CUT FILL
37
272
61
381
76
93
481
80
87
436
70
311
42
1170
1168.87
F=3 F=1 C=23
C=8 C=20
1167.80
1170.03
26+00
1170.03
51 4
60 4
100 14
F=8 C=2 F=3 C=55
C=1
1172.89
25+50
1172.30
1167.97
58 11
Begin Ditch
at Sta. 25+31
Elev. 1168.24
Pipe
1175.47
25+00
1174.7
See Cross-Sections for
S.R.5 for additional grading
Quantities
1177.46
24+50
1177.40
Pipe Culvert
for Details See Sh. 232
1178.01
24+00
1179.80
1172.8
253
450
C=233
1178.35
23+50
1181.50
233
380
Twp. Rd. 100
Sta. 5+50
Edge of Road
Elev. 1179.00
Twp. Rd. 100
Sta. 5+80
Elev. 1180.41
C=177
1180.38
23+00
1182.90
177
281
Add for Twp Rd 100
37 93
TWP RD 100
Lt Ditch
C=46
1177.90
C=80
1183.10
22+50
1184.50
126
175 3
F=3 C=49
C=14
1182.35
1185.75
22+00
1186.30
63 3
71 3
Begin Ditch Sta. 21+50
Elev. 1186.8
14
1188.40
21+50
1188.40
21+00
1191.00
Add 745 Sq. Yds. from Sta. 22+50 to Sta. 23+50
TOWNSHIP ROAD 13 Sta. 21+00 to Sta. 26+00
END AREA CUT FILL
C.U. YDS. CUT FILL
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00
FED. RD. DIVISION 2
STATE OHIO
PROJECT
184
291

FED. RD. DIVISION	STATE		
2	OHIO		

185
291

WAY-5-15.78
SUM-5-0.00
WAYNE & SUMMIT COUNTIES



TYPICAL SECTION OF ADJOINING PAVEMENT

PAVEMENT

Ref. No.	Station From	Station To	Side	B-119 Crushed Aggregate Base Course 5" C.Y.	B-35 Asphaltic Concrete Leveling Course 2" C.Y.	T-30 Bitum. Prime Coat Gal.	T-35 Asphaltic Concrete Surface Course 1½" C.Y.	I-22 Sub-base C.Y.	I-9 Stone Underdrain Type 2 L.F.
1P	6+30	9+70.27	℄	128	48.8	321	37.7	107	69
2P	9+95.06	10+46.70	℄	57	21.7	142	16.3	47	
3P	10+71.49	12+70	℄	82	31.3	206	24.6	68	46
Totals				267	101.8	669	78.6	222	115

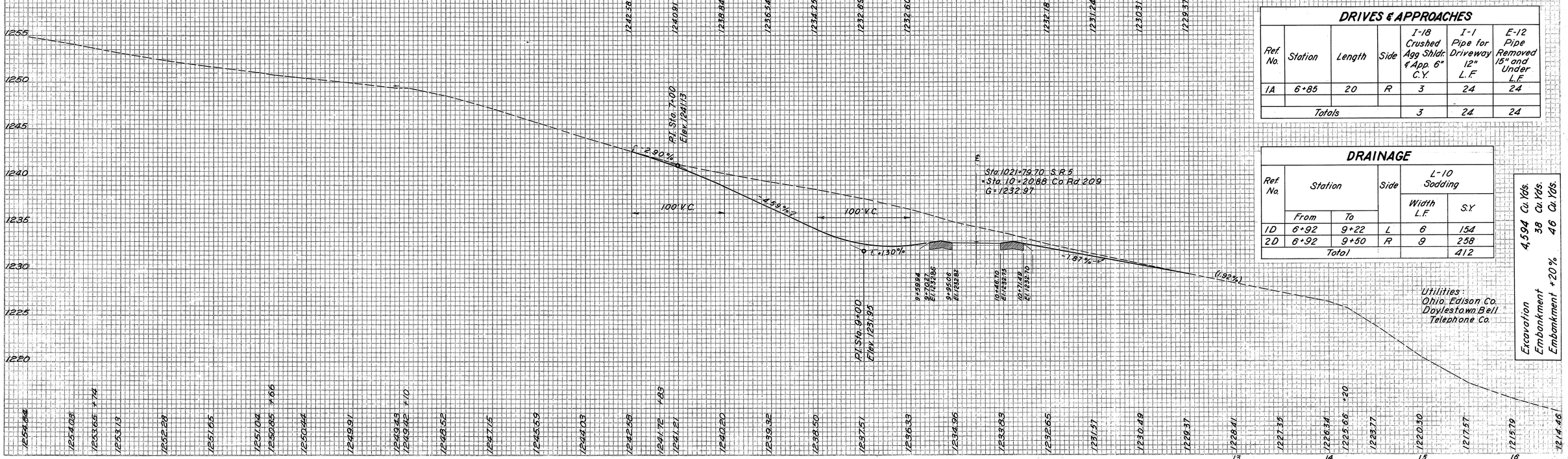
DRIVES & APPROACHES

Ref. No.	Station	Length	Side	I-18 Crushed Agg Shldr. & App. 6" C.Y.	I-1 Pipe for Driveway 12" L.F.	E-12 Pipe Removed 15" and Under L.F.
1A	6+85	20	R	3	24	24
Totals				3	24	24

DRAINAGE

Ref. No.	Station From	Station To	Side	L-10 Sodding Width L.F.	L-10 Sodding S.Y.
1D	6+92	9+22	L	6	154
2D	6+92	9+50	R	9	258
Total					412

Excavation 4,594 Cu. Yds.
Embankment 38 Cu. Yds.
Embankment +20% 46 Cu. Yds.

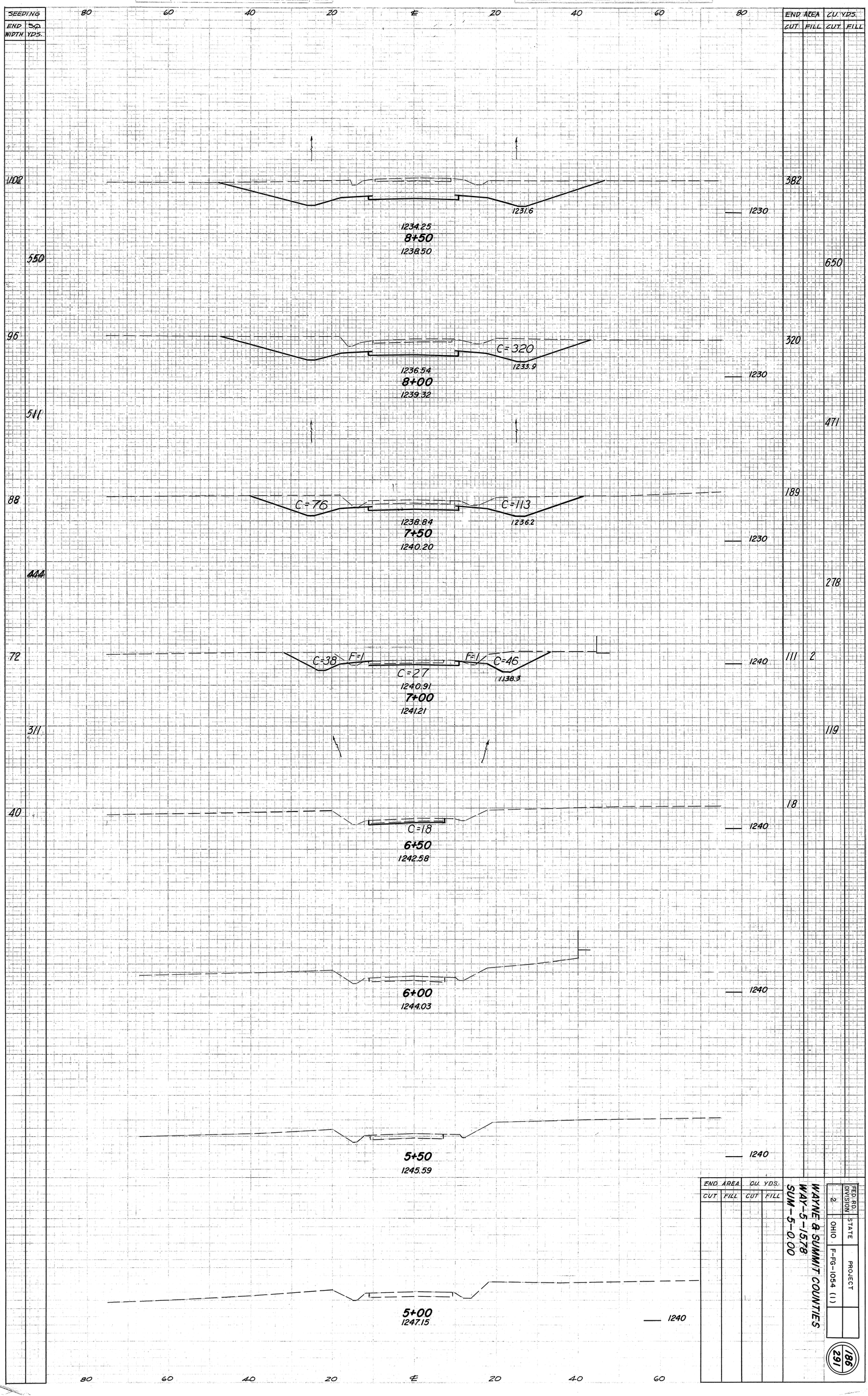


COUNTY ROAD 209 Sta. 0+00 to Sta. 15+00

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

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

PLATE 4 CROSS EUSTAT — B. P. R. & N. E. STANDARD CHICAGO - NEW YORK



COUNTY ROAD 209 Sta. 5+00 to Sta. 8+50

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054 (1)

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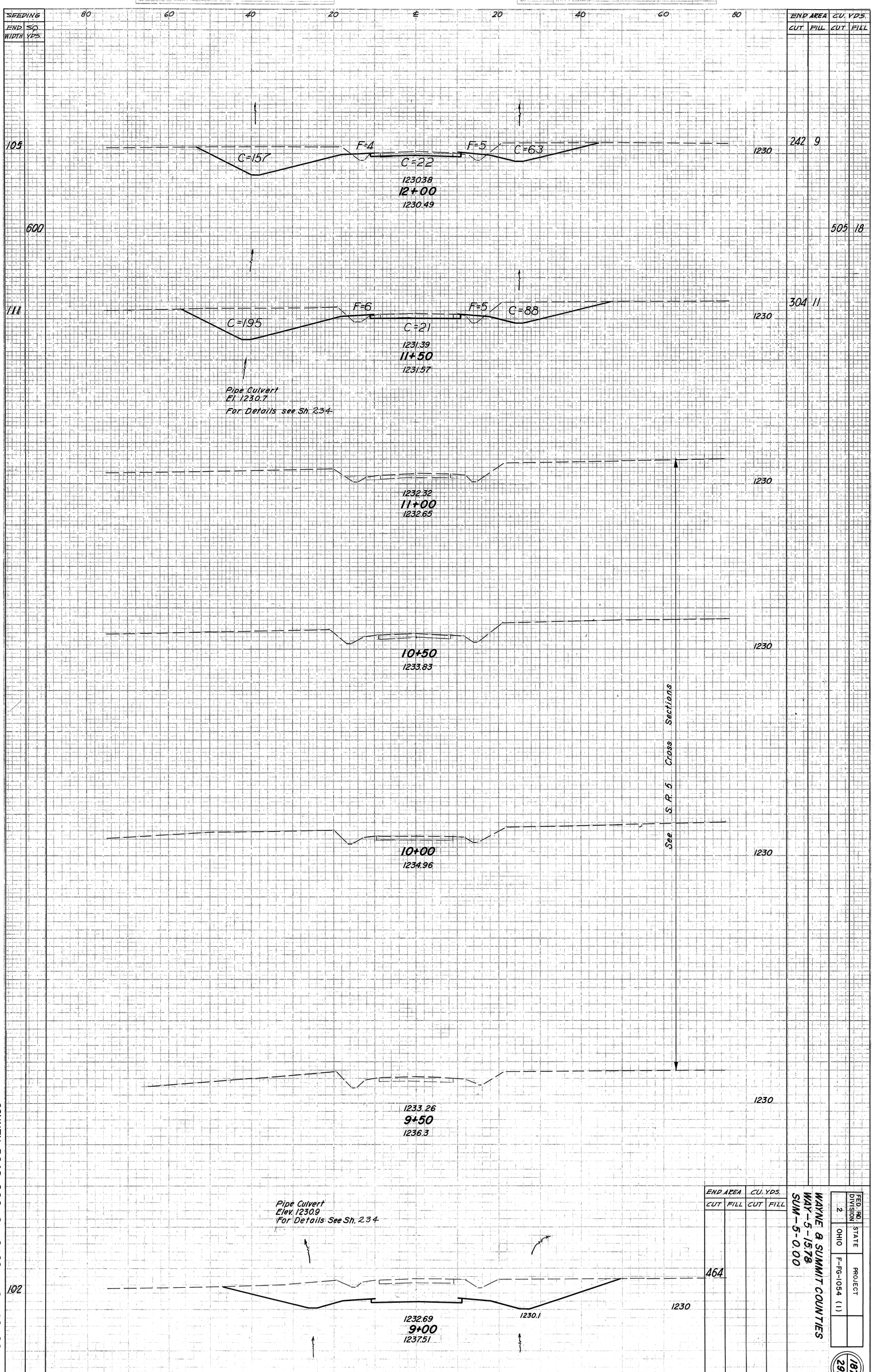
291

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

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



COUNTY ROAD 209 Sta. 9+00 to Sta. 12+00

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054 (1)

187
291

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

188
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA	CU. YDS.
CUT	FILL
	202 5
120 3	335 11

END AREA	CU. YDS.
OUT. FILL	CUT. FILL
	11
	66 1
25	154 2
68	98 2

16+00
1215.79

15+50
1217.57

15+00
1220.30

14+50
1223.77

End Ditch
Sta. 14+25
Warp to meet existing ditch

14+00
1226.34

13+50
1227.35

13+00
1328.41

12+50
1229.37

End Pavement

C=25 C=68 C=98 C=120

F-1 F-2 F-3

SEEDING	END WIDTH	SQ. YDS
	35	97
	35	211
	41	239
	45	294
	61	461

PLATE 3 CROSS SECTION 8 P.R. STANDARD
DRAWN BY DAVIS CHECKED BY CHRISTOPHER

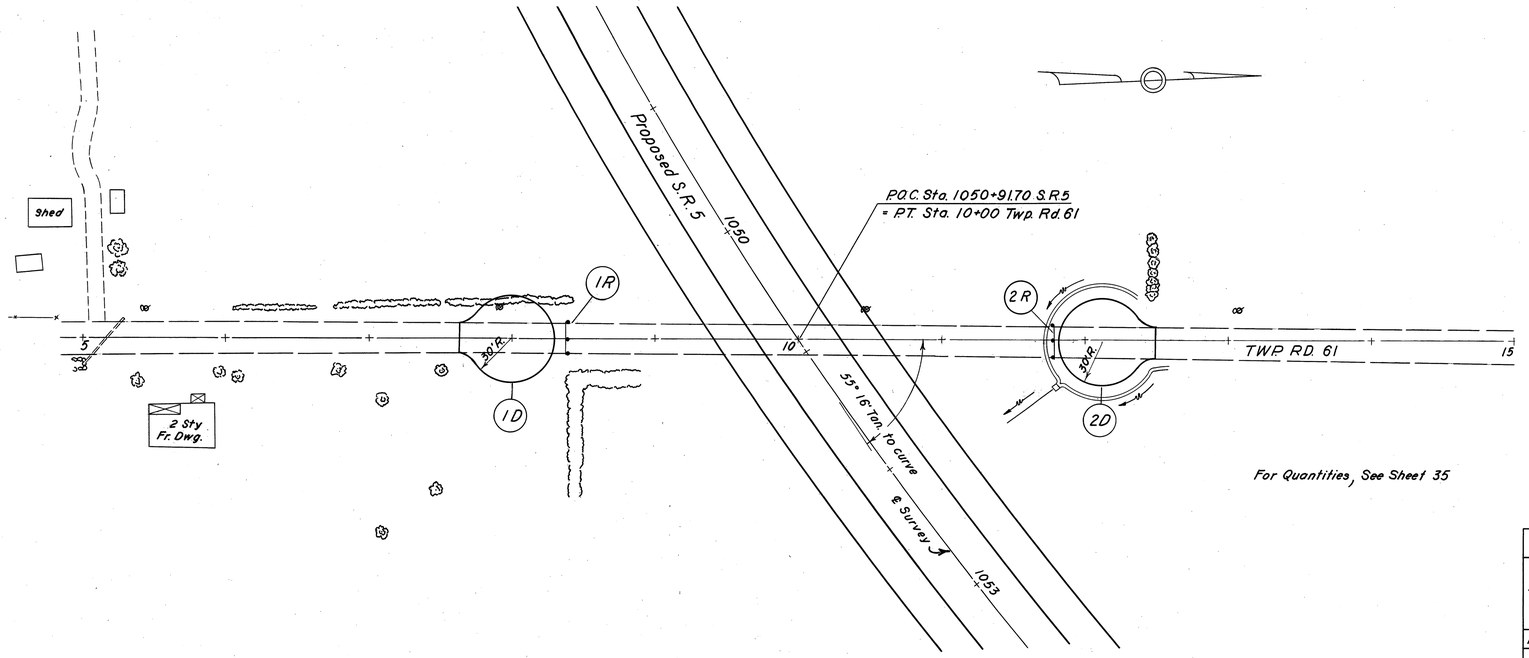
COUNTY ROAD 209 Sta. 12+50 to Sta. 16+00

ORIGINAL SURVEY NOTE BOOK
PLOTTED
AREAS CHECKED
BY DATE

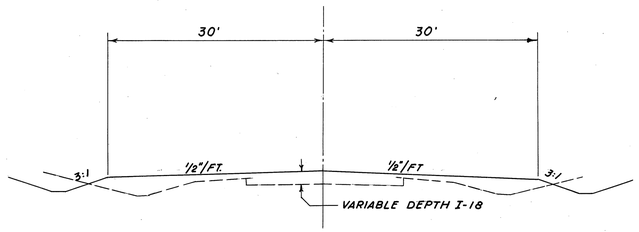
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

189
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00



For Quantities, See Sheet 35



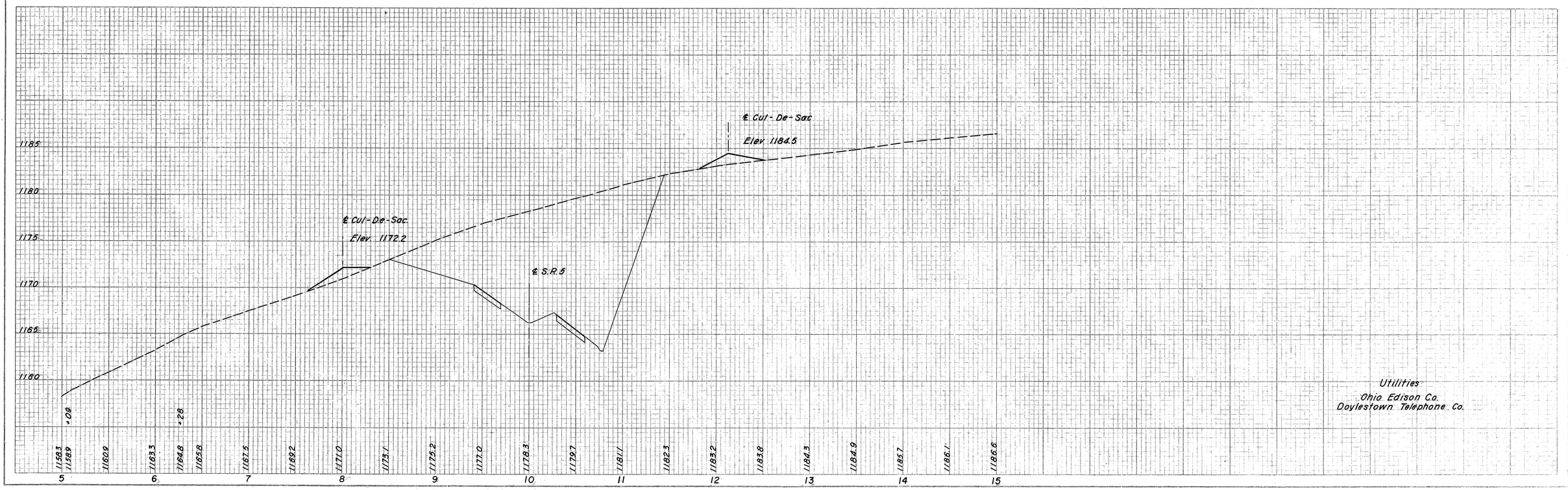
TYPICAL SECTION
TWP. RD. 61
CUL-DE-SACS
SCALE: 1"=10'

DRIVES AND APPROACHES

Ref. No.	Station From	Station To	Side	I-18 Crush. Agg. Shoulders & Approach. C.Y.
1-D	7+63	8+30	℄	56
2-D	11+81	12+49	℄	56
Total				112

ROADWAY

Ref. No.	Station	Side	I-15 Guard Rail Steel Beam Type Deep L.F.
1R	8+37	℄	25
2R	11+73	℄	25
Total			50



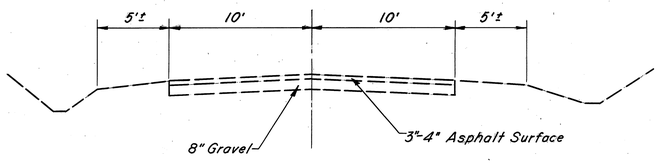
Utilities
Ohio Edison Co.
Doylestown Telephone Co.

TOWNSHIP ROAD 61 Sta. 5+00 to 15+00

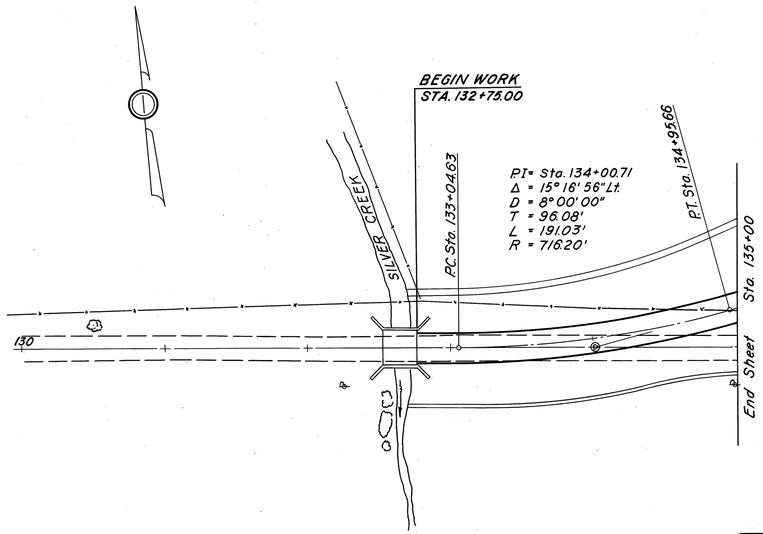
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

190
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

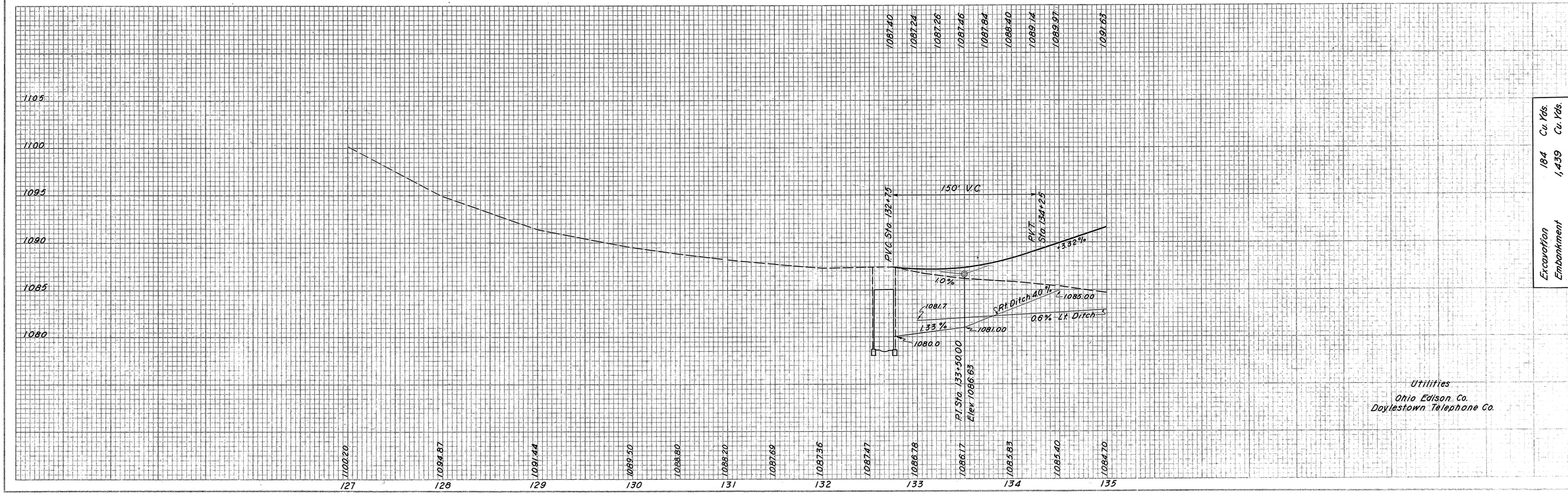


TYPICAL SECTION
ADJOINING PAVEMENT



PAVEMENT

Ref. No.	Stations From	Stations To	Side	B-35 Asph. Conc. Leveling Course 2" C.Y.	B-119 Crushed Agg. Base Course 5" C.Y.	I-9 Stone Underdrain No. 2 L.F.		I-22 Sub-base 4" C.Y.	T-30 Bitum. Prime Coat Gal.	T-35 Asph. Conc. Surface Course 1½" C.Y.
1 P	132+75	135+00		28	74	104		61	175	21
Totals				28	74	104		61	175	21



Excavation	184 Cu. Yds.
Embankment	1,439 Cu. Yds.
Embankment +20%	1,727 Cu. Yds.

Utilities
Ohio Edison Co.
Doylestown Telephone Co.

COUNTY ROAD 55 Sta. 127+00 to Sta. 135+00

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

191
291

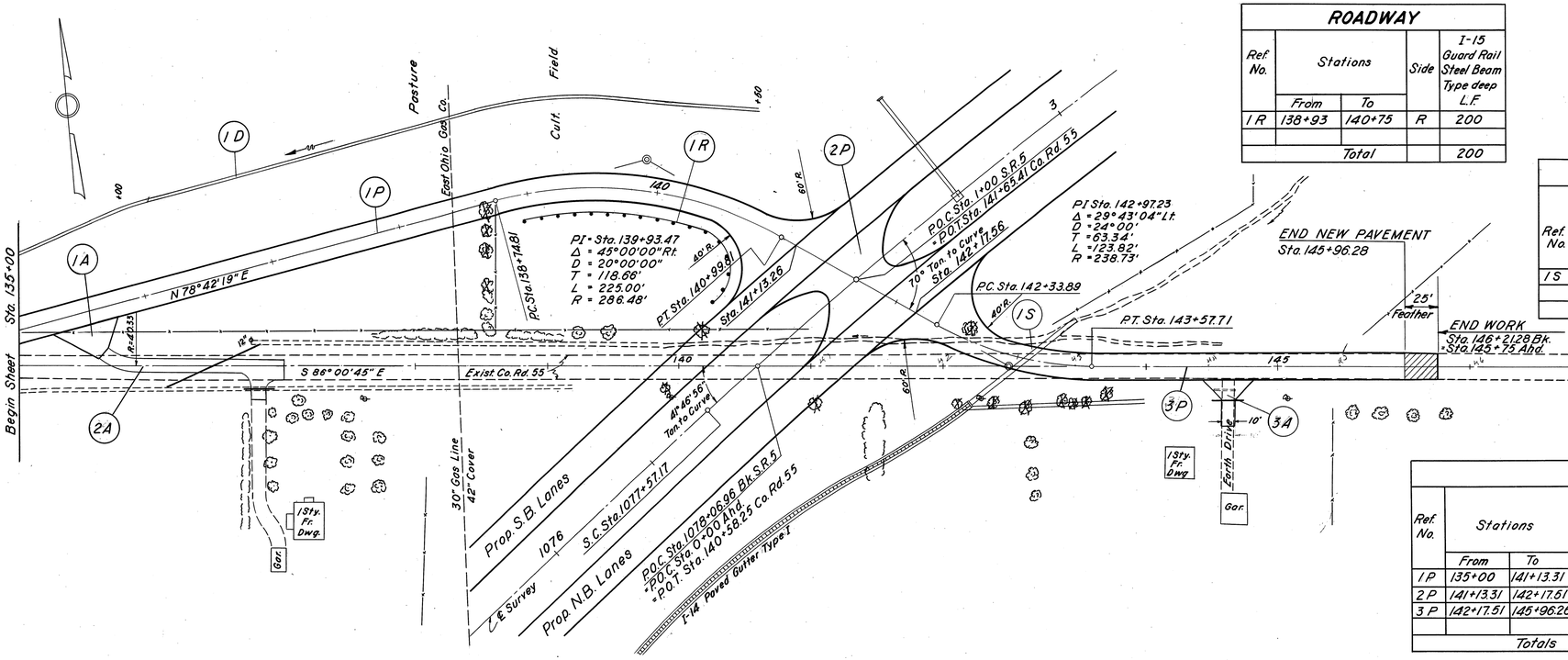
WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

ROADWAY

Ref. No.	Stations From	Stations To	Side	I-15 Guard Rail Steel Beam Type deep L.F
1R	138+93	140+75	R	200
Total				200

STRUCTURES (20' span & under)

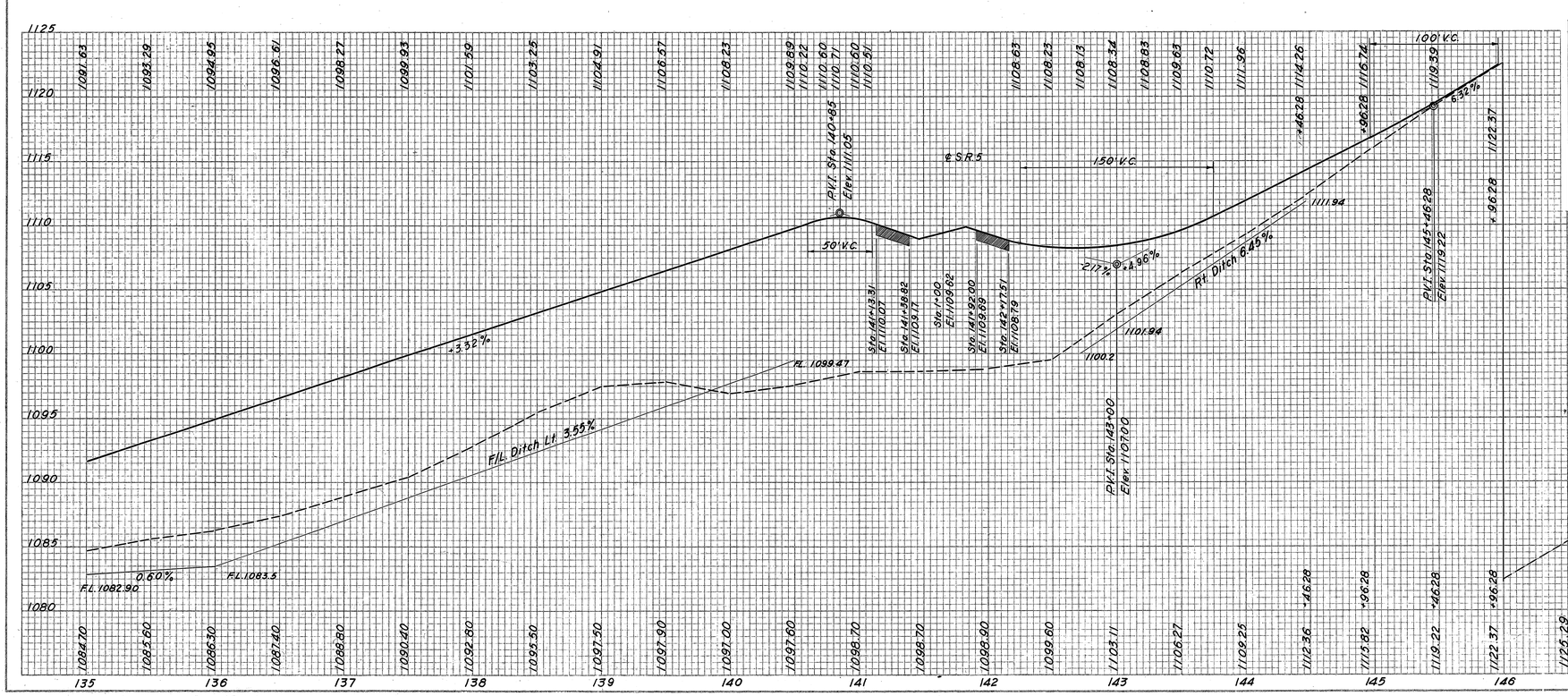
Ref. No.	Station From	Station To	Side	E-2 Excavation for Structures C.Y.	E-3 Channel Excavation C.Y.	I-10 Dumped Rock C.Y.	S-1 Conc. for Structures Class E C.Y.	S-27 Pipe for Roadway 42" L.F	See Sheet No.
1S	143+07		L&R	73	31	11	1.5	112	238
Totals				73	31	11	1.5	112	



PAVEMENT

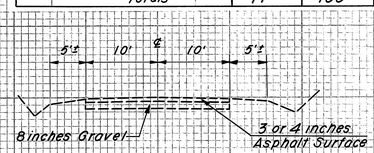
Ref. No.	Stations From	Stations To	Side	B-35 Asph. Conc. Leveling Course 2" C.Y.	B-119 Crushed Agg. Base Course 5" C.Y.	I-9 Stone Underdrain No.2 L.F.	T-35 Asph. Conc. Surface Course 1½" C.Y.	I-22 Sub-base 4" C.Y.	T-30 Bituminous Prime Coat Gal.	
1P	135+00	141+13.31		84	221	282	63	185	530	
2P	141+13.31	142+17.51		25	63		18	52	154	
3P	142+17.51	145+96.26		55	145	174	41	121	346	
Totals				164	429	456	122	358	1030	

Excavation	2,135 Cu. Yds.
Embankment	12,773 Cu. Yds.
Embankment +20%	15,327 Cu. Yds.



DRIVES & APPROACHES

Ref. No.	Station	Length	Side	F-12 Pipe Removed 15" and Under L.F	I-1 Pipe for Driveways 12" L.F	I-1 Pipe for Driveways 15" L.F	B-119 Crushed Agg. Base Course 5" C.Y.	B-119 Crushed Agg. Base Course 6" C.Y.	T-35 Asph. Conc. Surface Course 2" C.Y.
1-A	135+50	25	R				14		5
2.A	135+60	134	R		100			29	
3A	144+63	35	R	17		26	6	4	3
Totals				17	100	26	20	33	8



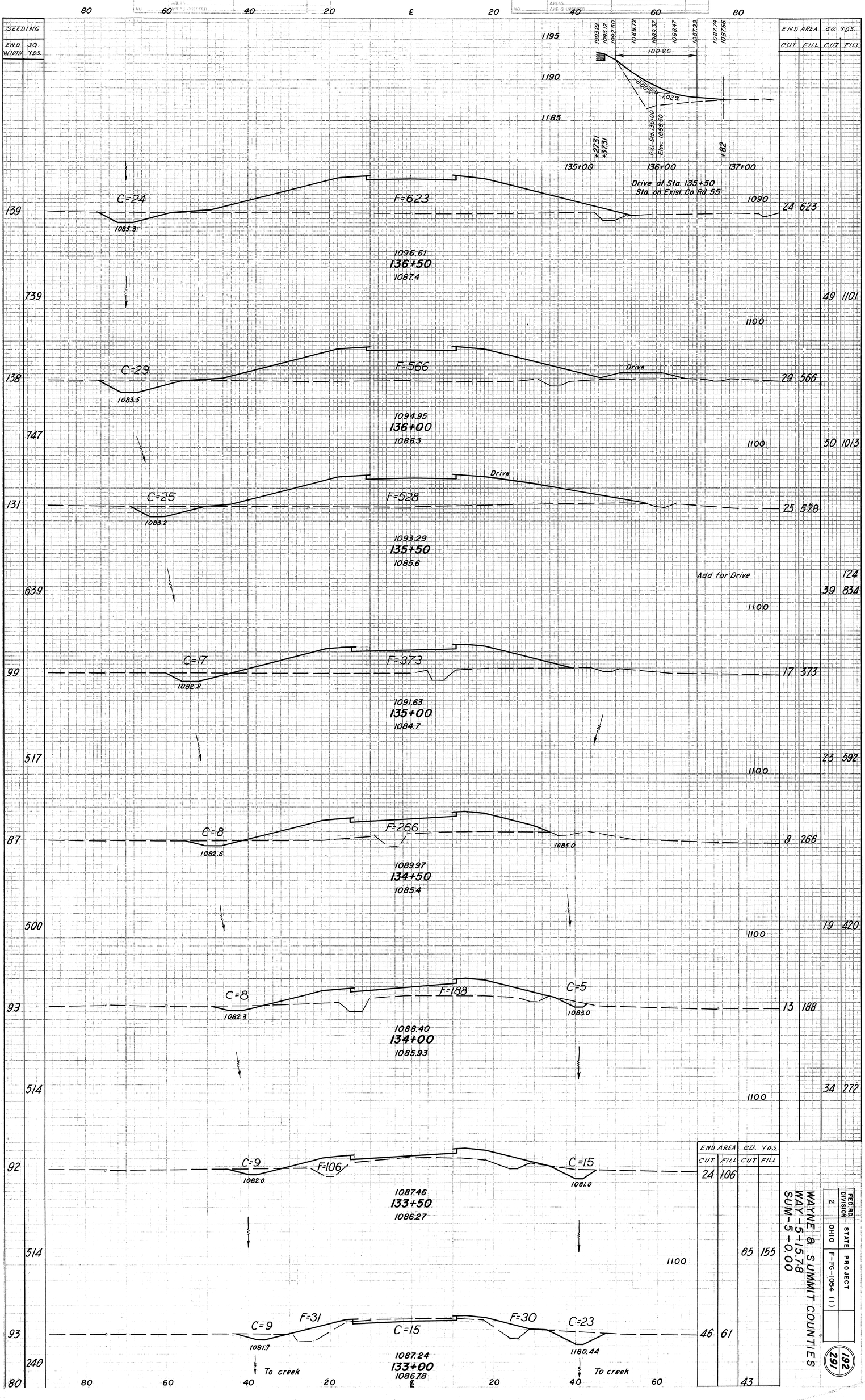
TYPICAL SECTION
ADJOINING PAVEMENT

Utilities
Ohio Edison Co.
Doylestown Telephone

DRAINAGE

Ref. No.	Station From	Station To	Side	L-10 Sodding Width L.F	L-10 Sodding S.Y.
1D	136+00	140+50	L	6	300
Total					300

COUNTY ROAD 55 Sta. 135+00 to Sta. 141+00



END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
24	106		
		65	155
46	61		
		43	

COUNTY ROAD 55 Sta. 133+00 to Sta. 136+50

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

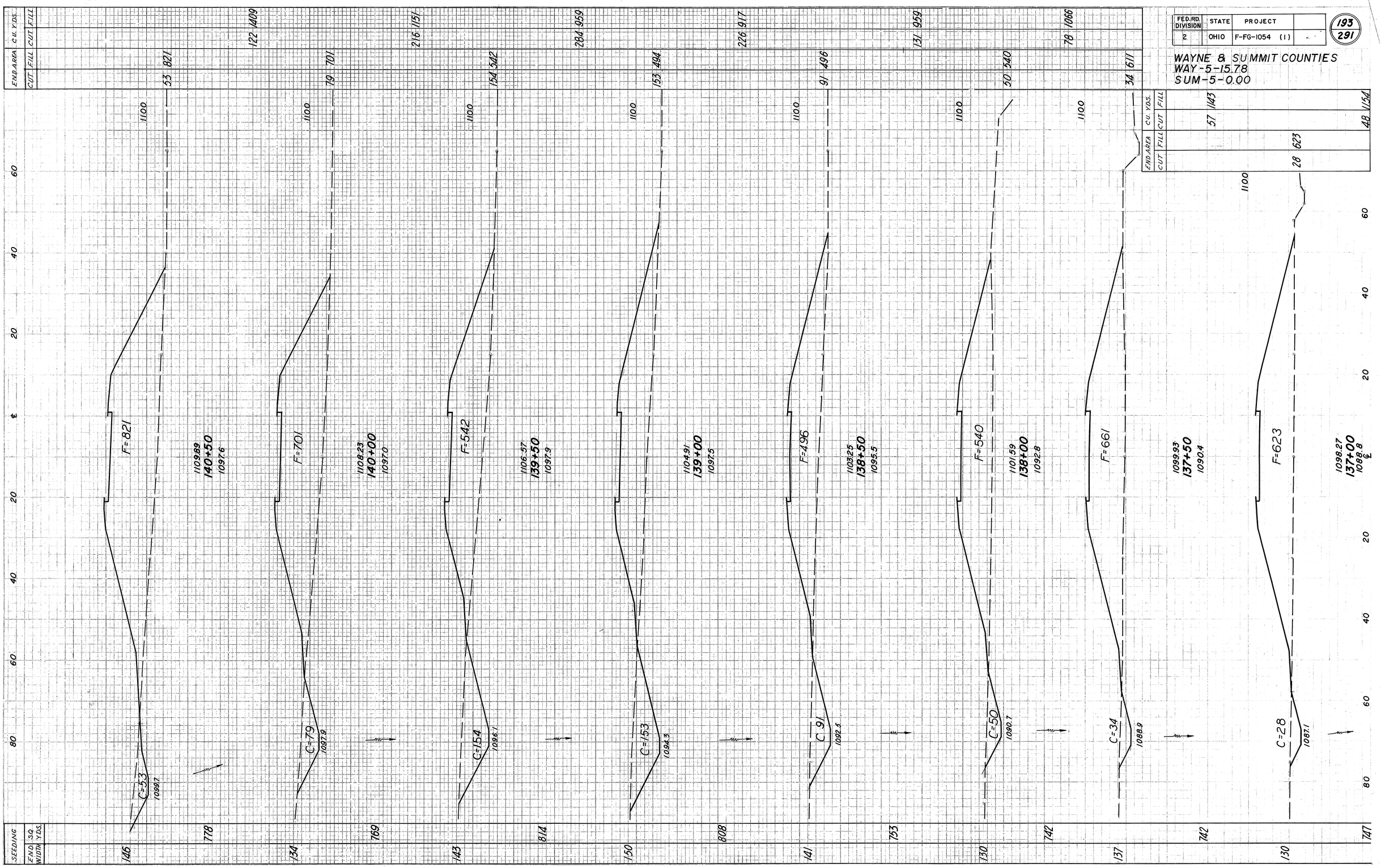
FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054 (1)

192
291

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

193
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



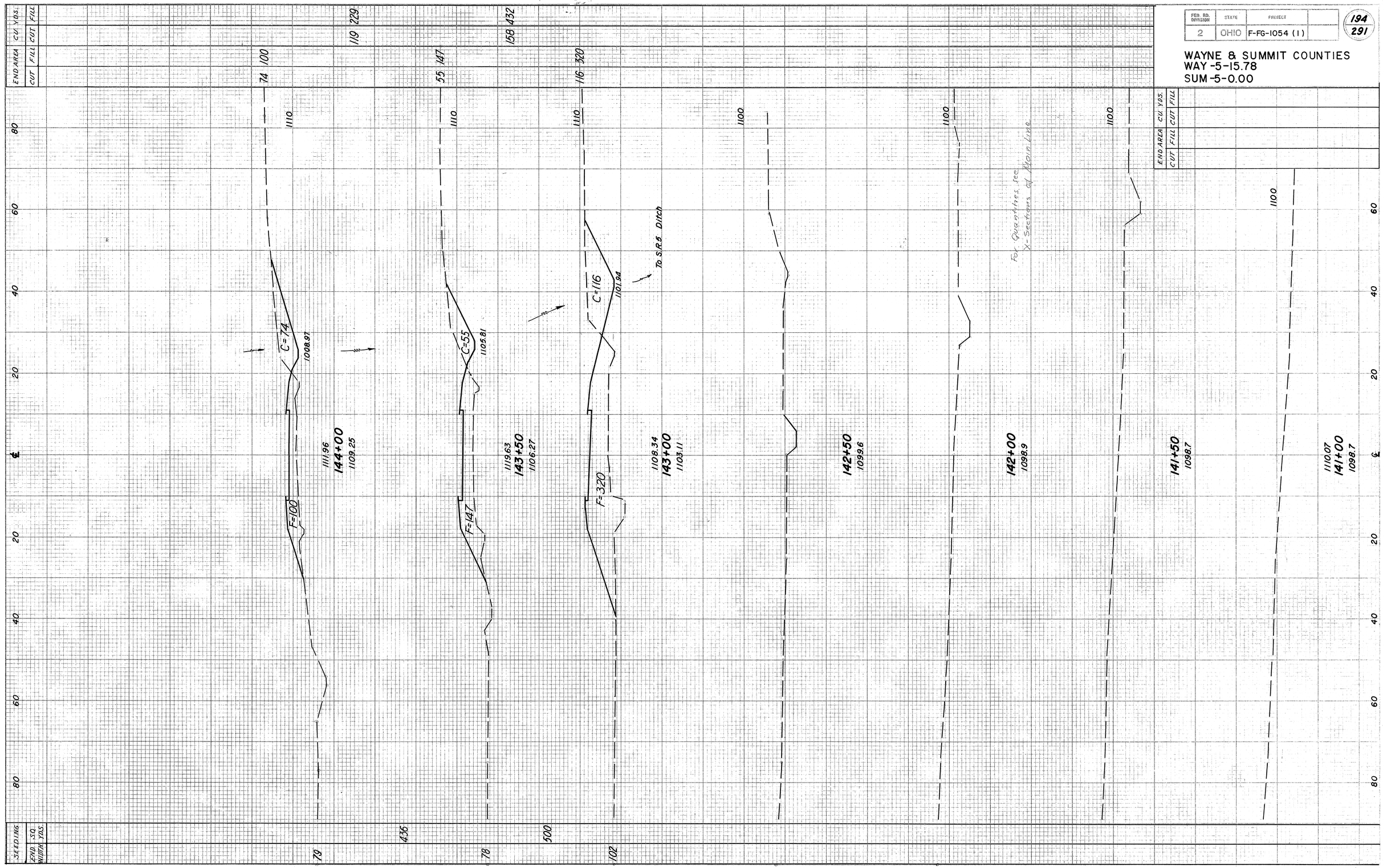
END AREA	CU. YDS.	
CUT	FILL	
	57	1143
	48	1154
	28	623

COUNTY ROAD 55 Sta.137+00 to Sta.140+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

194
291

WAYNE & SUMMIT COUNTIES
WAY -5-15.78
SUM -5-0.00



COUNTY ROAD 55 Sta. 141+00 to Sta. 144+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

195.
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

		CU. YDS.
END AREA	FILL	155
	CUT	83
END AREA	FILL	67
	CUT	31

SUPERELEVATION TABLE

STATION	LT. EDGE	GRADE	RT. EDGE
132+75	1087.24	1087.40	1087.24
133+00	1086.80	1087.24	1087.41
+25	1086.77	1087.26	1087.76
+50	1086.97	1087.46	1088.29
+75	1087.35	1087.84	1089.01
134+00	1087.91	1088.40	1089.90
+25	1088.65	1089.14	1090.31
+50	1089.48	1089.97	1090.81
+75	1090.31	1090.80	1091.31
135+00	1091.19	1091.63	1091.80
+25	1092.27	1092.46	1092.30
138+00	1101.43	1101.59	1101.43
+25	1102.45	1102.42	1102.26
+50	1103.47	1103.25	1103.09
+75	1104.50	1104.08	1103.92
139+00	1105.33	1104.91	1104.75
+25	1106.16	1105.74	1105.58
+50	1106.96	1106.54	1106.38
+75	1107.82	1107.40	1107.24
140+00	1108.65	1108.23	1108.07
+25	1109.48	1109.06	1108.90
+50	1110.31	1109.89	1109.73
143+00	1108.18	1108.34	1108.76
+25	1109.67	1108.83	1108.15
+50	1109.47	1109.63	1109.86
+75	1110.56	1110.72	1110.85
144+00	1111.80	1111.96	1111.99
+25	1113.04	1113.20	1113.14
+50	1114.28	1114.44	1114.28

SEEDING	
END AREA	SQ. YDS.
WIDTH	LBS.

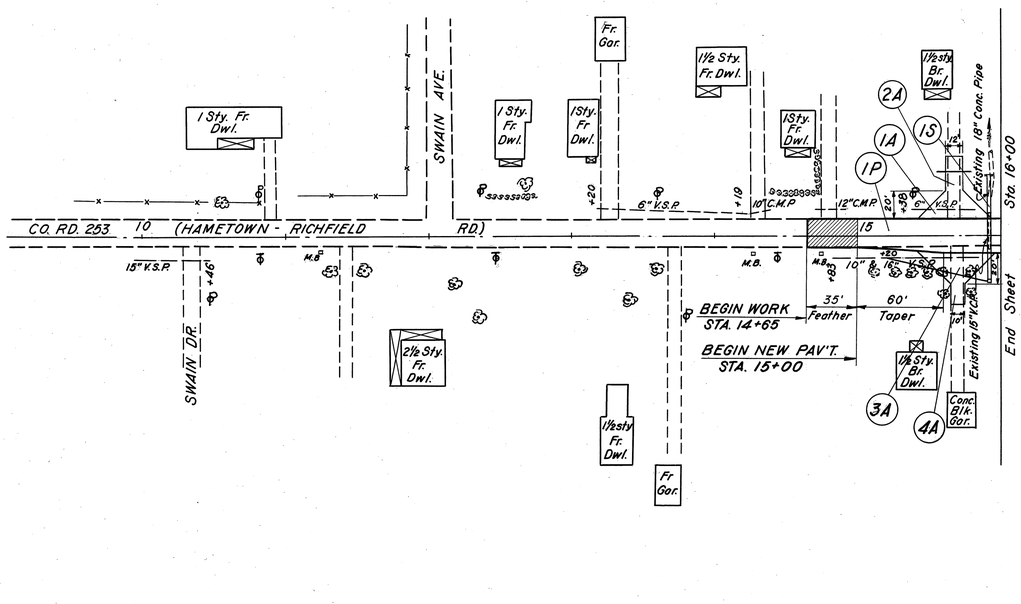
PLATE 3 CROSS SECTIONS OF 2 LANE STANDARD
ASHLAND, WAYNE CO. CRITICAL ROAD WORK

COUNTY ROAD 55 Sta. 144+00 to Sta. 145+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

196
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



PAVEMENT

Ref. No.	Stations From	Stations To	Side	B-35 Asph. Conc. Leveling Course-2" Cu. Yds.	B-119 Crushed Agg. Base Course 5" Cu. Yds.	I-9 Stone Under Dr. No. 2 Lin. Ft.	I-22 Sub-base 4" Cu. Yds.	T-30 Bitum. Prime Coat Gal.	T-35 Asph. Conc Surface Course 1½" Cu. Yds.
1P	15+00	16+00		14	37	46	30	88	13
Totals				14	37	46	30	88	13

STRUCTURES (20' Span & under)

Ref. No.	Stations		Side	E-2 Excavation for Structures C.Y.	E-12 Removal of Pipe Over 15" L.F.	I-8 2-2-A Catch Basin ea.	S-1 Conc. for Structures Class E C.Y.	S-27 Pipe for Roadway Culverts 21" L.F.	See Sheet No.
1S	15+92		R&L	36	59	1	0.7	72	232
Totals				36	59	1	0.7	72	

DRIVES AND APPROACHES

Ref. No.	Station	Length	Side	T-35 Aspholtic Conc. Surf. Course 2" C.Y.	B-119 Crushed Agg. Base Course 5" C.Y.	B-119 Crushed Agg. Base Course 6" C.Y.	I-1 Pipe for Driveways 12" L.F.	E-12 Removal of Pipe 15"ϕ Under L.F.
1A	15+67		Lt.	4	10			45
2A	15+67	23	Lt			5	24	
3A	15+69		Rt	4	10		72	67
4A	15+69	15	Rt			3		
Totals				8	20	8	96	112

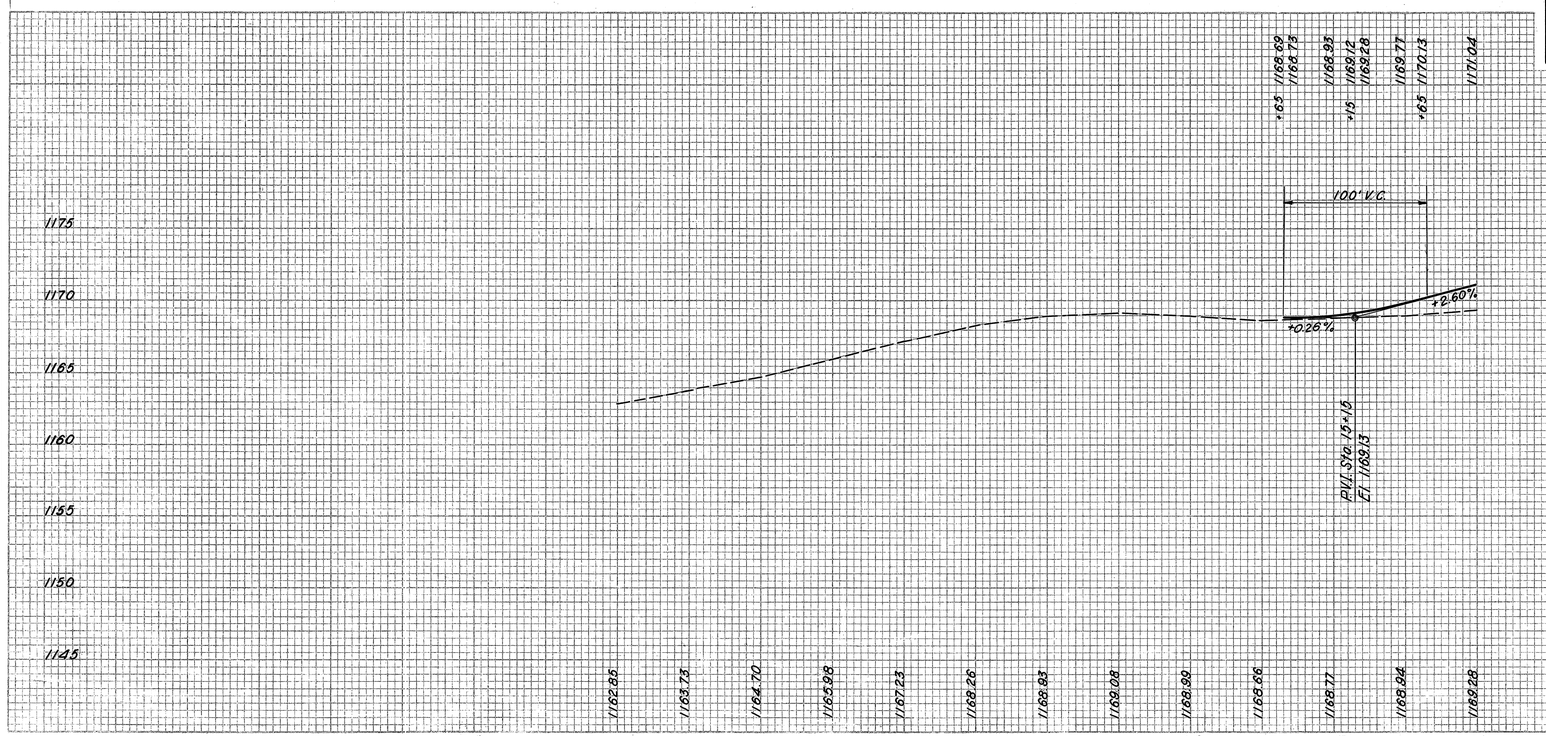
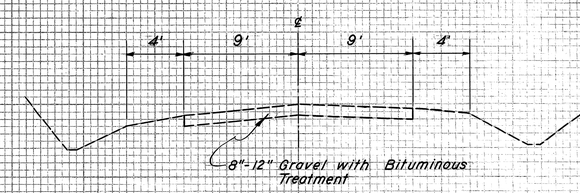


PLATE 4 CROSS SECTION B. P. R. & R. E. STANDARD
EUGENE DIETZGEN CO. CHICAGO - NEW YORK



TYPICAL SECTION OF ADJOINING PAVEMENT

Excavation	33 Cu. Yds.
Embankment	125 Cu. Yds.
Embankment +20%	150 Cu. Yds.

Utilities
Ohio Edison Co.
Ohio Bell Telephone Co.

Co. Rd. 253 Sta. 10+00 to Sta. 16+00

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TYPICAL SECTIONS — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TYPICAL SECTIONS — AREAS — AREAS CHECKED — BY — DATE

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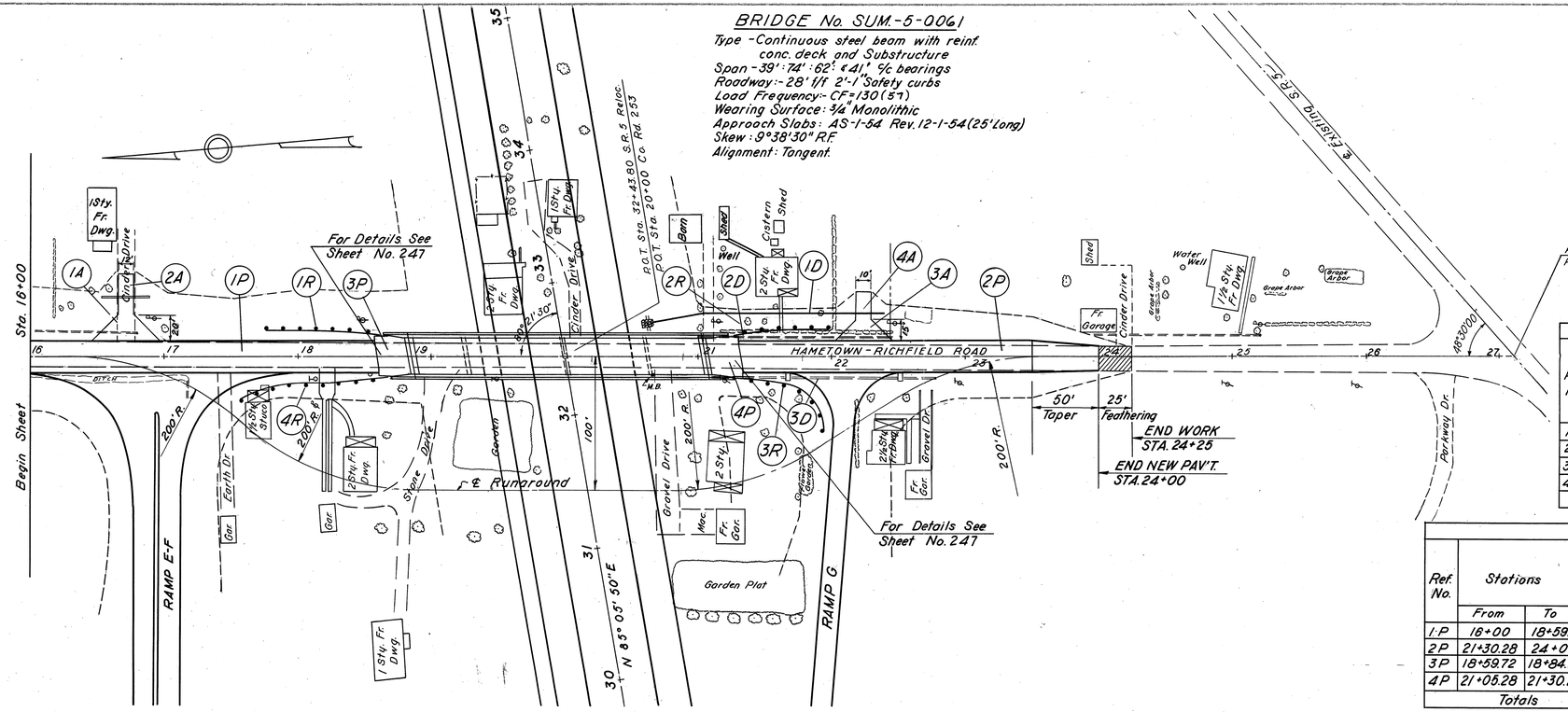
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

197
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

BRIDGE No. SUM.-5-0061

Type - Continuous steel beam with reinf. conc. deck and Substructure
Span - 39' : 74' : 62' : 41' ⅝ bearings
Roadway :- 28' 1/f 2'-1" Safety curbs
Load Frequency :- CF=130(57)
Wearing Surface : ¾" Monolithic
Approach Slabs : AS-1-54 Rev. 12-1-54 (25' Long)
Skew : 9°38'30" R.F.
Alignment : Tangent.



DRIVES AND APPROACHES

Ref. No.	Stations	Length	Side	E-12 Removal of Pipe 15" & Under L.F	I-1 Pipe for Driveways 12" L.F	B-119 Crushed Agg Base Course 5" C.Y.	B-119 Crushed Agg Base Course 6" C.Y.	T-35 Aspholtic Conc. Surf. Course "2" C.Y.
1A	16+72		Lt	80		10		4
2A	16+72	30	Lt		36		7	
3A	22+23		Lt			6		3
4A	22+23	20	Lt		30		4	
	Totals			80	66	16	11	7

PAVEMENT

Ref. No.	Stations From	Stations To	Side	B-35 Asph. Conc. Leveling Course "2" C.Y.	B-119 Crushed Agg. Base Course "5" C.Y.	I-7 Reinf. Conc. Approach Slab T=13" S.Y.	I-9 Stone Underdrain No. 2 L.F	I-22 Sub-base 4" C.Y.	T-30 Bitum. Prime Coat Gal.	T-35 Asph. Conc. Surface Course "1½" C.Y.
1P	16+00	18+59.72		39	101		127	84	243	29
2P	21+30.28	24+00		40	105		127	86	252	36
3P	18+59.72	18+84.72				87.5				
4P	21+05.28	21+30.28				87.5				
Totals				79	206	175	254	170	495	55

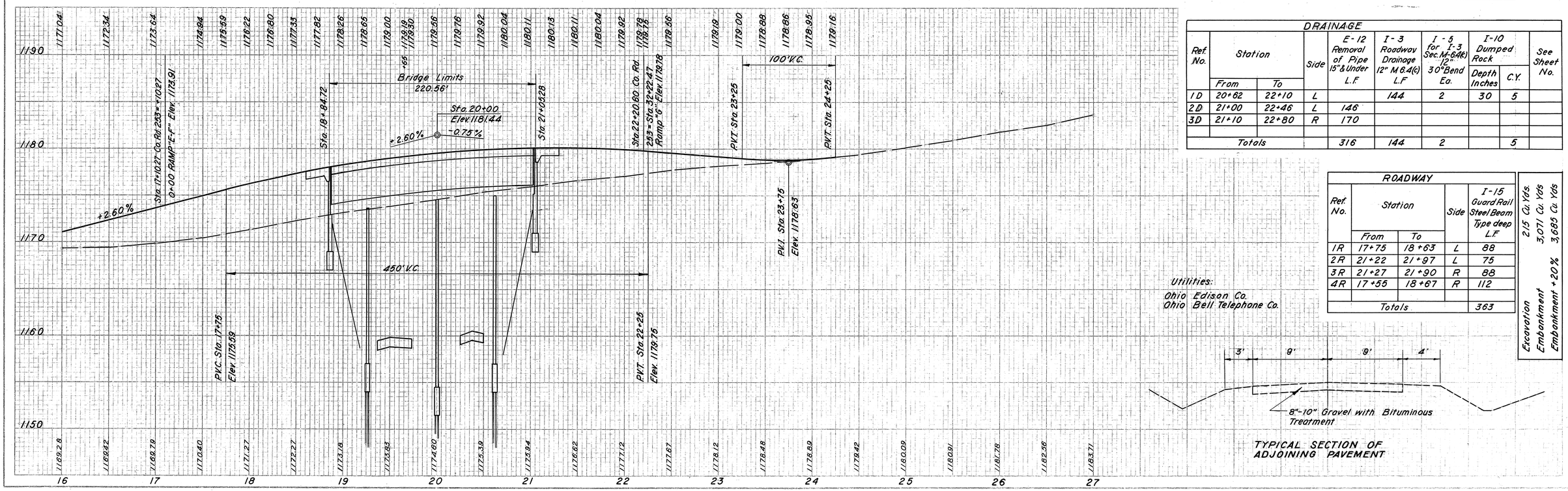
DRAINAGE

Ref. No.	Station From	Station To	Side	E-12 Removal of Pipe 15" & Under L.F	I-3 Roadway Drainage 12" M 6.4(c) L.F	I-5 for I-3 Sec. M-6.4(c) 12" 30° Bend Ea.	I-10 Dumped Rock Depth Inches	I-10 Dumped Rock C.Y.	See Sheet No.
1D	20+62	22+10	L		144	2	30	5	
2D	21+00	22+46	L	146					
3D	21+10	22+80	R	170					
Totals				316	144	2		5	

ROADWAY

Ref. No.	Station From	Station To	Side	I-15 Guard Rail Steel Beam Type deep L.F
1R	17+75	18+63	L	88
2R	21+22	21+97	L	75
3R	21+27	21+90	R	88
4R	17+55	18+67	R	112
Totals				363

Excavation 2,15 Cu. Yds.
Embankment 3,071 Cu. Yds.
Embankment +20% 3,685 Cu. Yds.



Utilities:
Ohio Edison Co.
Ohio Bell Telephone Co.

TYPICAL SECTION OF ADJOINING PAVEMENT

COUNTY ROAD 253 Sta. 16+00 to Sta. 27+11.68

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

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291

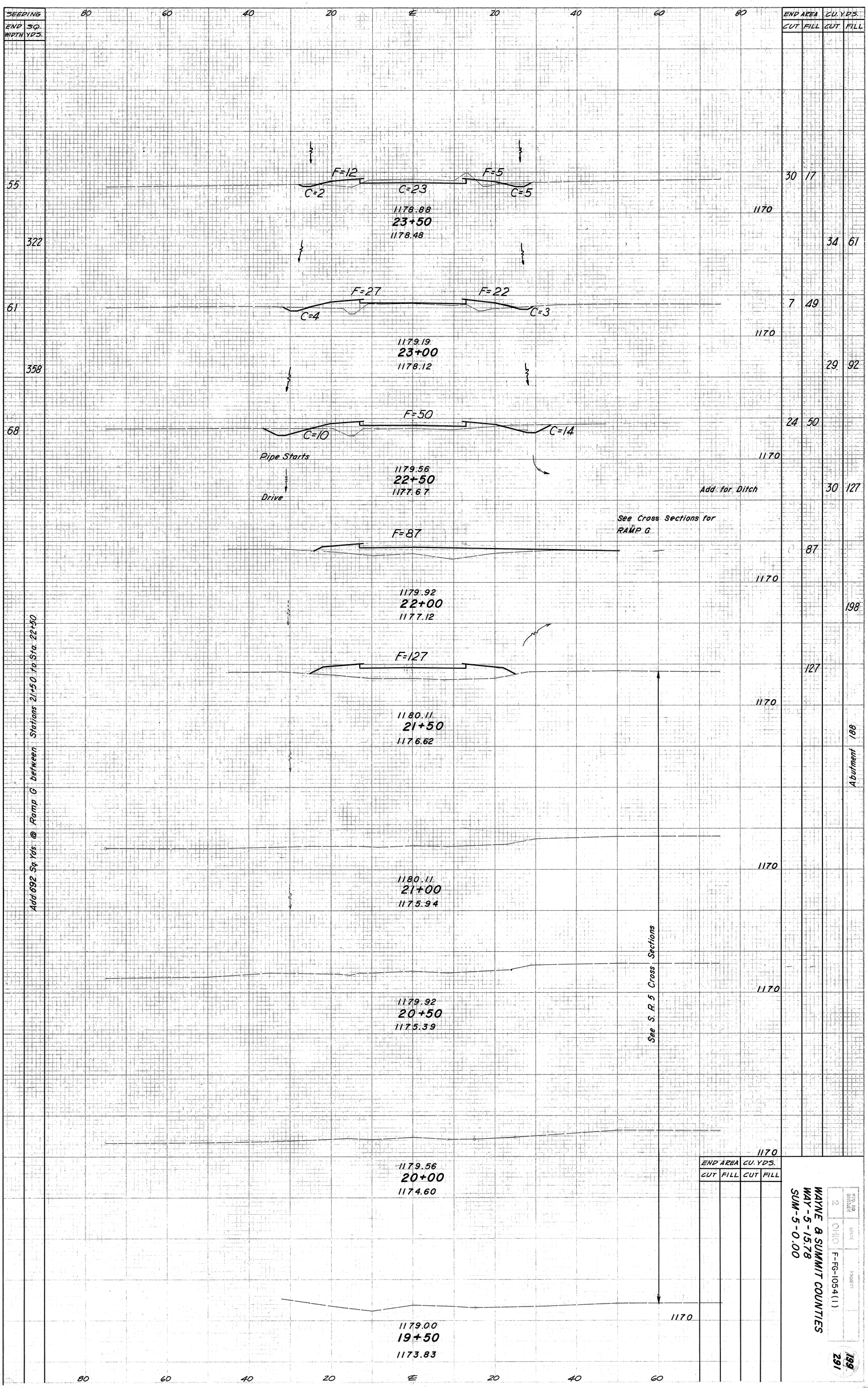
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
0	18	18	17
2	18	1	20
0	39	2	88
12	115	19	309
9	219	25	407
14	223	14	414
0	276	0	462
13	217	13	441
2	230	2	41

Abutment 298

DRIVES

1160 1160 1160


SEEDING
END WIDTH
SQ. YDS.
END AREA
CUT
FILL
CU. YDS.
CUT
FILL
80
60
40
20
℄
20
40
60
80
55
322
61
358
68
F=12
C=2
C=23
F=5
C=5
1178.88
23+50
1178.48
1170
30
17
34
61
F=27
C=4
F=22
C=3
1179.19
23+00
1178.12
1170
7
49
29
92
F=50
C=10
C=14
Pipe Starts
Drive
1179.56
22+50
1177.67
1170
24
50
Add for Ditch
30
127
See Cross Sections for RAMP G
F=87
1179.92
22+00
1177.12
1170
87
198
F=127
1180.11
21+50
1176.62
1170
127
Abutment 188
Add 692 Sq. Yds. @ Ramp G between Stations 21+50 to Sta. 22+50
1180.11
21+00
1175.94
1170
See S.R. 5 Cross Sections
1179.92
20+50
1175.39
1170
1179.56
20+00
1174.60
1170
1179.00
19+50
1173.83
1170
END AREA
CUT
FILL
CU. YDS.
CUT
FILL
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00
2
OHIO
F-FG-1054(1)
199
291
COUNTY ROAD 253 STA. 19+50 to STA. 23+50

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054 (1)

200
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
		42	16

2
1170
25+00
1180.09

15
1170
24+50
1179.42

C=15

1170
24+00
1178.79

1178.95

208

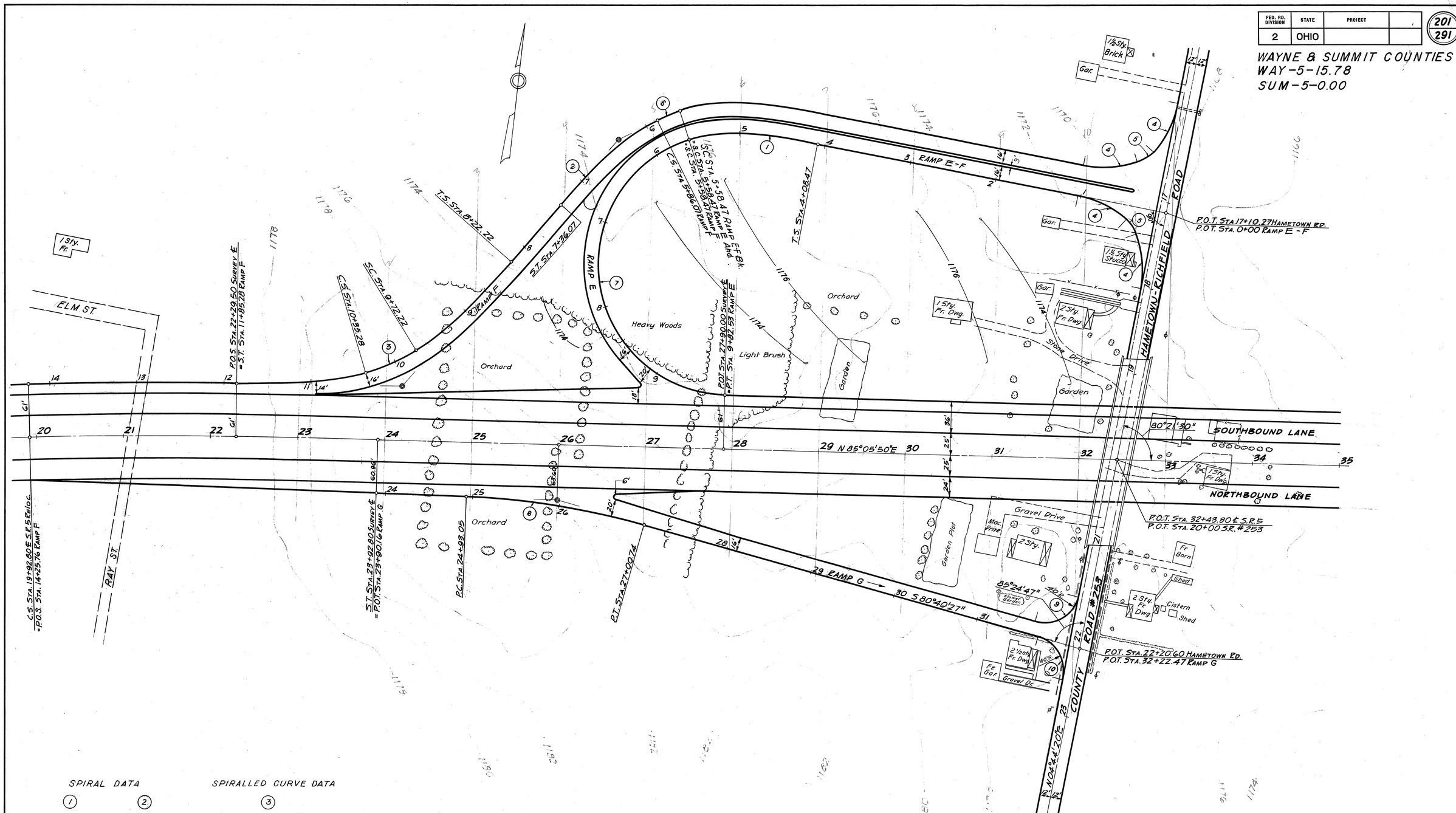
COUNTY ROAD 253 STA. 24+00 to STA. 25+00

SEEDING END WIDTH	SEEDING CU. YDS.
20	208

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

201
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



SPIRAL DATA

①	②
L_s = 150'	L_s = 150'
θ_s = 28°30'00"	θ_s = 23°07'50"
P = 6.16'	P = 5.01'
X_c = 146.33'	X_c = 147.57'
Y_c = 24.44'	Y_c = 19.95'
K = 74.39'	K = 74.59'
L.T. = 101.33'	L.T. = 100.87'
S.T. = 51.21'	S.T. = 50.79'
L.C. = 148.36'	L.C. = 148.92'

SPIRALLED CURVE DATA

③
Δ = 50°00'00"
D_c = 23°28'04"
L_s = 150'
T_s = 190.45'
E_s = 29.45'
θ_s = 17°36'03"
Δ_c = 14°47'54"
L_c = 63.06'
X_c = 148.59'
Y_c = 15.26'
SE = 0.083½

CURVE DATA

④	⑤	⑥	⑦	⑧	⑨	⑩
Δ = 30°00'00"	Δ = 30°00'00"	Δ = 08°30'40"	Δ = 161°08'30"	Δ = 13°30'00"	Δ = 94°35'13'	Δ = 85°24'47"
D = 47°44'47.48"	D =	D = 30°50'26.47"	D = 38°00'00"	D = 06°30'00"	D =	D =
T = 32.15'	T = 10.72	T = 13.82'	T = 148.78'	T = 104.33'	T = 43.34'	T = 36.88'
L = 62.83'	L = 20.94	L = 27.60'	L = 424.06'	L = 207.69'	L = 66.03'	L = 59.63'
R = 120'	R = 40'	R = 185.78'	R = 150.78'	R = 881.47'	R = 40.00'	R = 40.00
SE = –	SE = –	SE = 0.083½	SE = 0.083½	SE = 0.068½	SE = –	SE = –

-- 1174 -- Existing Contours
— 1174 — Proposed Contours

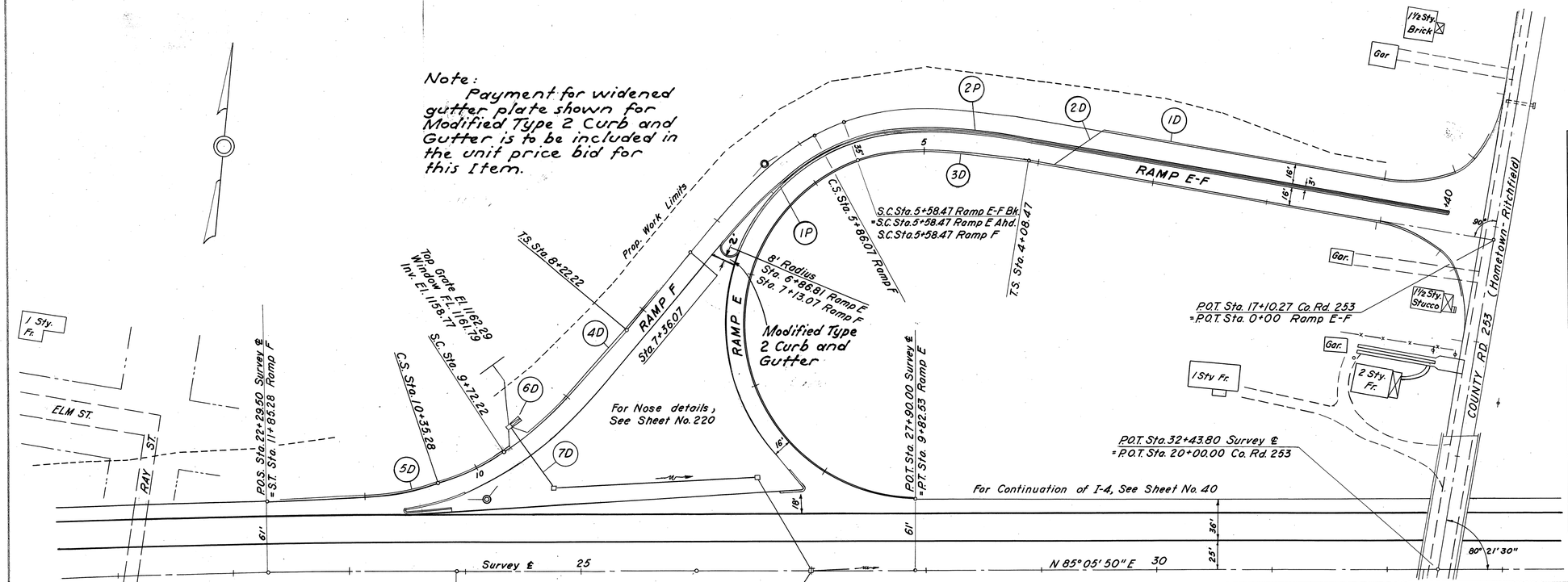
224 W Part III

INTERCHANGE CO. RD. 253

FED. RD. DIVISION	STATE	PROJECT		202
2	OHIO			291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM.-5-0.00

Note: Payment for widened gutter plate shown for Modified Type 2 Curb and Gutter is to be included in the unit price bid for this Item.



DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain Deep 6" L.F	I-4 Paved Gutter Type I-C L.F	I-5 for I-4 Bend 45° 6" Ea.	I-5 for I-4 Bend 60° 6" Ea.	I-5 for I-4 Wye 45° 6" Ea.
1-D	0+20	3+50	R	358				
2-D	3+50	3+88	L&R	55		1		1
3-D	0+20	9+82.53	L	990				
4-D	7+80	9+55	R	180			1	
5-D	9+55	11+75	R	224			1	
6-D	9+44.3	9+54.3	R		10			
Totals				1807	10	1	2	1

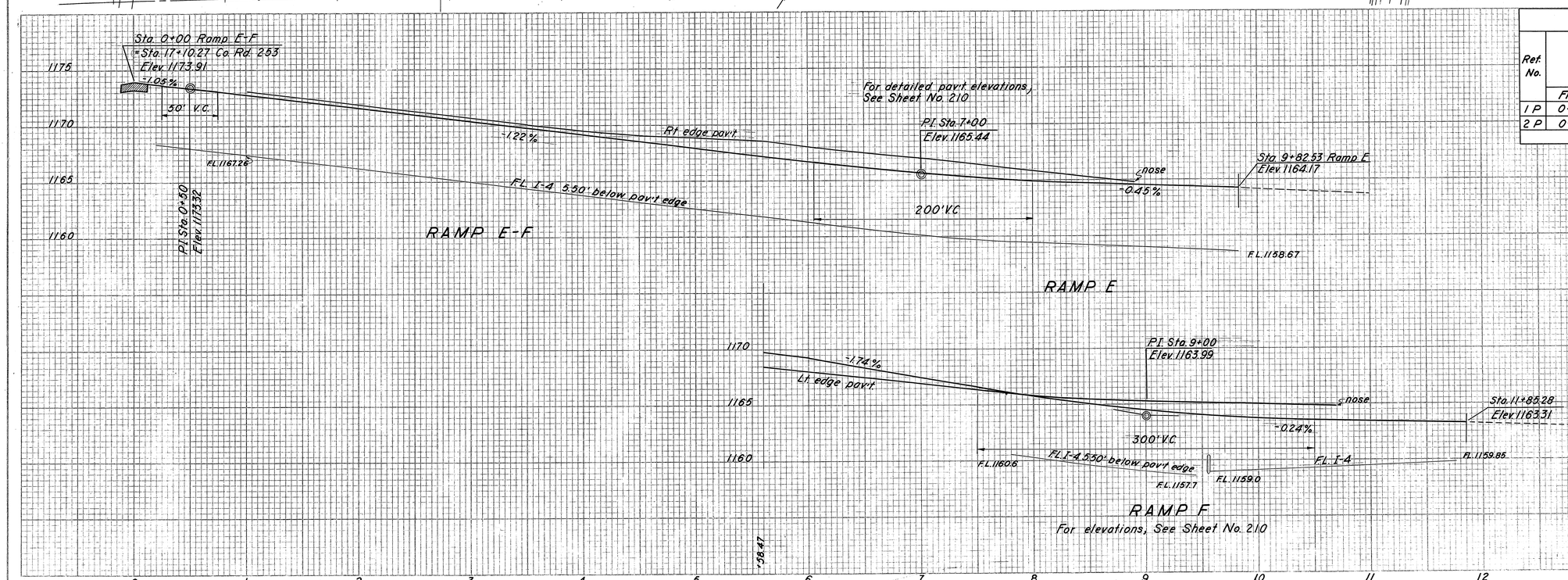
DRAINAGE (Cont.)

Ref. No.	Station From	Station To	Side	I-2 Class A Storm Sewer Under Pav. 2" L.F	I-8 No. 2-2-A Catch Basin Modified Ea.		See Sheet No.
7D	9+66	–	L&R	66	1		223
Totals				66	1		

PAVEMENT

Ref. No.	Station From	Station To	Side	I-21 4" P.C. Concrete Median Pavt. S.Y.	I-12 Std. Type 2-A Concrete Curb L.F	I-12 Modified Type 2 Curb & Gutter L.F.
1P	0+40	6+42	R	134		
2P	0+40	6+95	R		1315	22
Totals				134	1315	22

Excavation	22,517 Cu. Yds.
Embankment	365 Cu. Yds.
Embankment +20%	438 Cu. Yds.



RAMPS - NW Quadrant S.R. 5 Co. Rd. 253

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

203
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

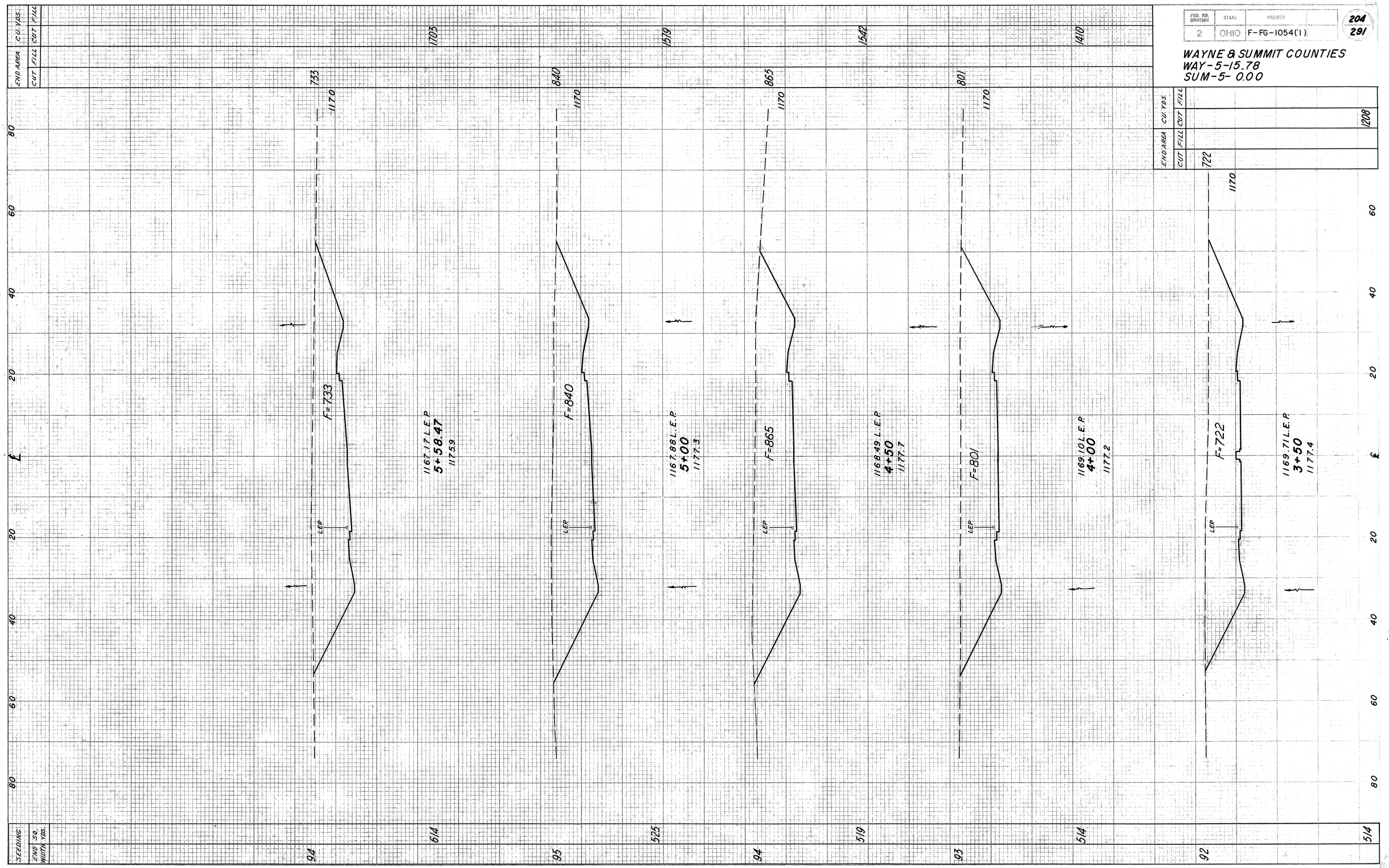
END AREA CUT	END AREA FILL	C.U. YDS. CUT	C.U. YDS. FILL
93	508	848	
90	469	547	
79	422	259	15
73	419	75	90
78	472	53	260
92			

SEEDING
END SQ.
WIDTH YDS.

SR 5 - INTERCHANGE RAMPS "E & F" STA. 0+50 to STA. 3+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	204 / 291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5- 0.00

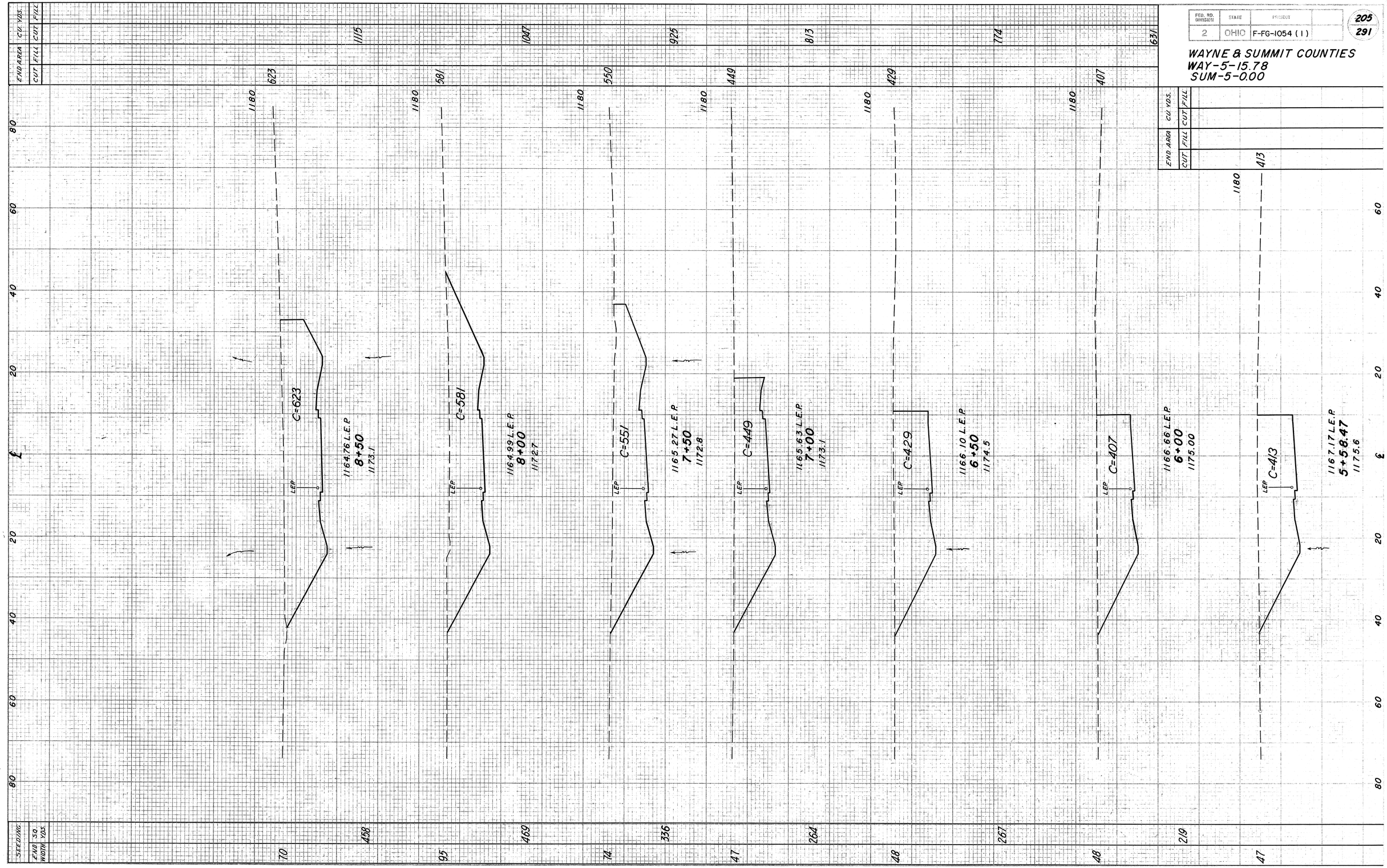


SR 5 - INTERCHANGE RAMPS "E & F" STA. 3+50 to STA. 5+58.47

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054 (1)

205
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



SR5-INTERCHANGE RAMP "E" STA. 5+58.47 to STA. 8+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

206
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA	CU. YDS.
CUT	FILL
355	

END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
452		723	
329		605	
324		580	
303		506	
355			

SEEDING	
END WIDTH	SQ. YDS.
59	280
45	253
46	253
45	208
45	

1180

C=452

REP

1166.60 R.E.P.
7+50
1173.1

C=329

REP

1167.47 R.E.P.
7+00
1173.7

C=324

REP

1168.34 R.E.P.
6+50
1174.7

C=303

REP

1169.18 R.E.P.
6+00
1174.7

C=355

REP

1169.72 R.E.P.
5+58.47
1175.6

SR5-INTERCHANGE RAMP "F" STA.5+58.47 to STA.7+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

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291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
575			951

Add for S.R.5

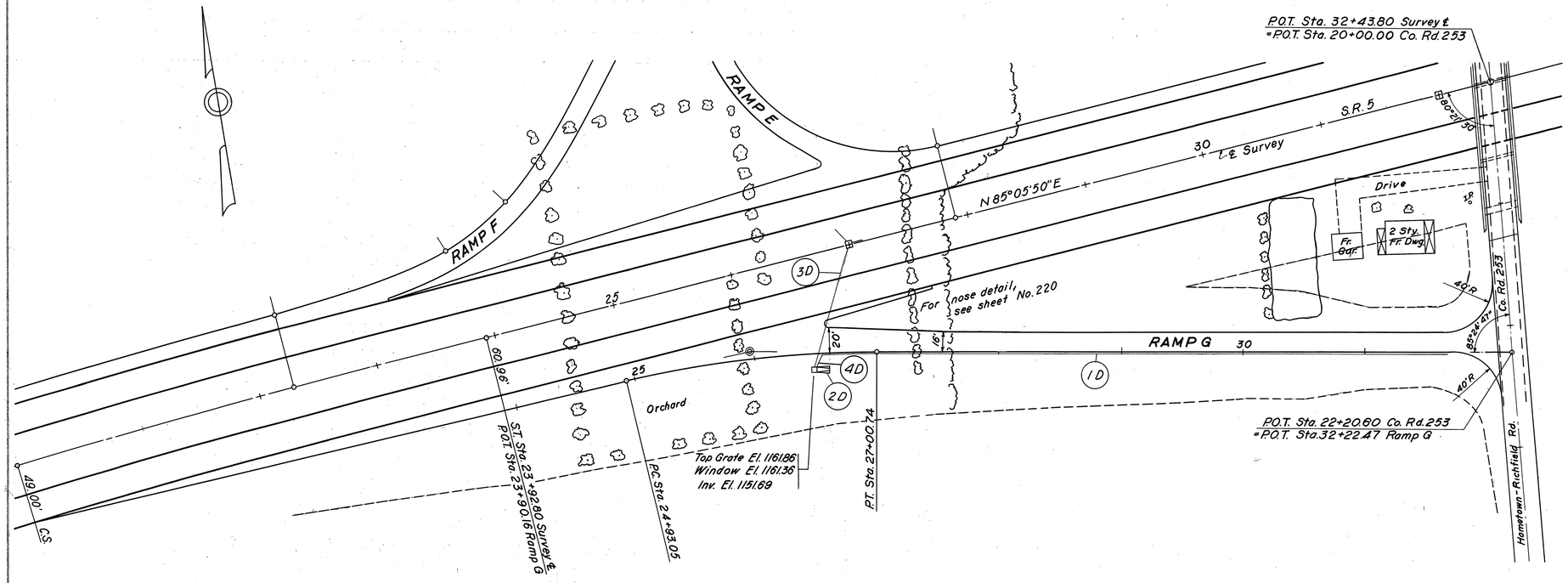
	1	2	3	4
END AREA CUT	230	1641	1479	1231
END AREA FILL				
CU. YDS. CUT	937	842	755	579
CU. YDS. FILL				
SEEDING SQ. YDS.	79	508	104	567	100	492	77	378

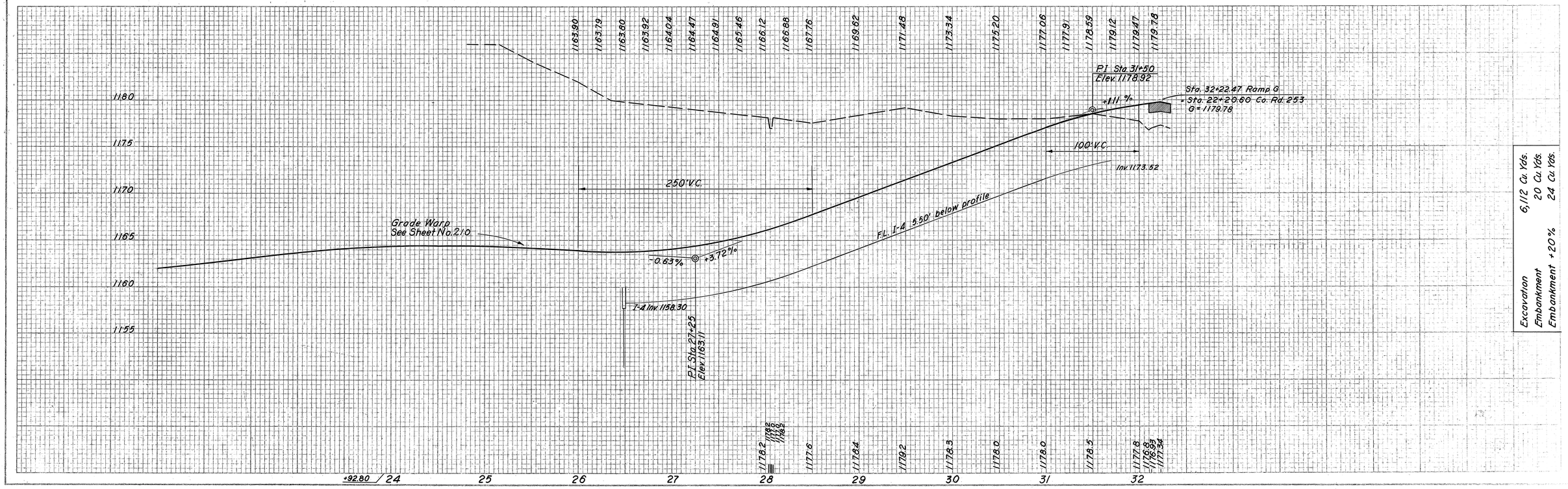
	1	2	3	4
	1180	1180	1180	1180
	C=937	C=842	C=755	C=579
	REP.	REP.	REP.	REP.
	1164.12 R.E.P.	1164.55 R.E.P.	1165.11 R.E.P.	1165.79 R.E.P.
	9+50	9+00	8+50	8+00
	1177.2	1175.6	1174.8	1173.1

SR5 - INTERCHANGE RAMP "F" STA. 8+00 to STA. 9+50

FED. RD. DIVISION	STATE	PROJECT		208
2	OHIO			291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM.-5-0.00





DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain Deep 6" L.F.	I-5 for I-4 60° Bend 6" Ea.	I-14 Paved Gutter Type I-C L.F.	See Sheet No.
1D	26+50	31+70	R	517	1		
2D	26+51.7	26+61.7	R			10	
Totals				517	1	10	

DRAINAGE (cont)

Ref. No.	Station From	Station To	Side	I-2 Class A Storm Sewer Under Pvmt. 15" L.F.	I-8 No. 2-2-A Catch Basin Modified Ea.	I-4 Outlets for Underdrains 8" L.F.	See Sheet No.
3D	26+52	-	L&R	100	1		223
4D	26+52		R			10	
Totals				100	1		

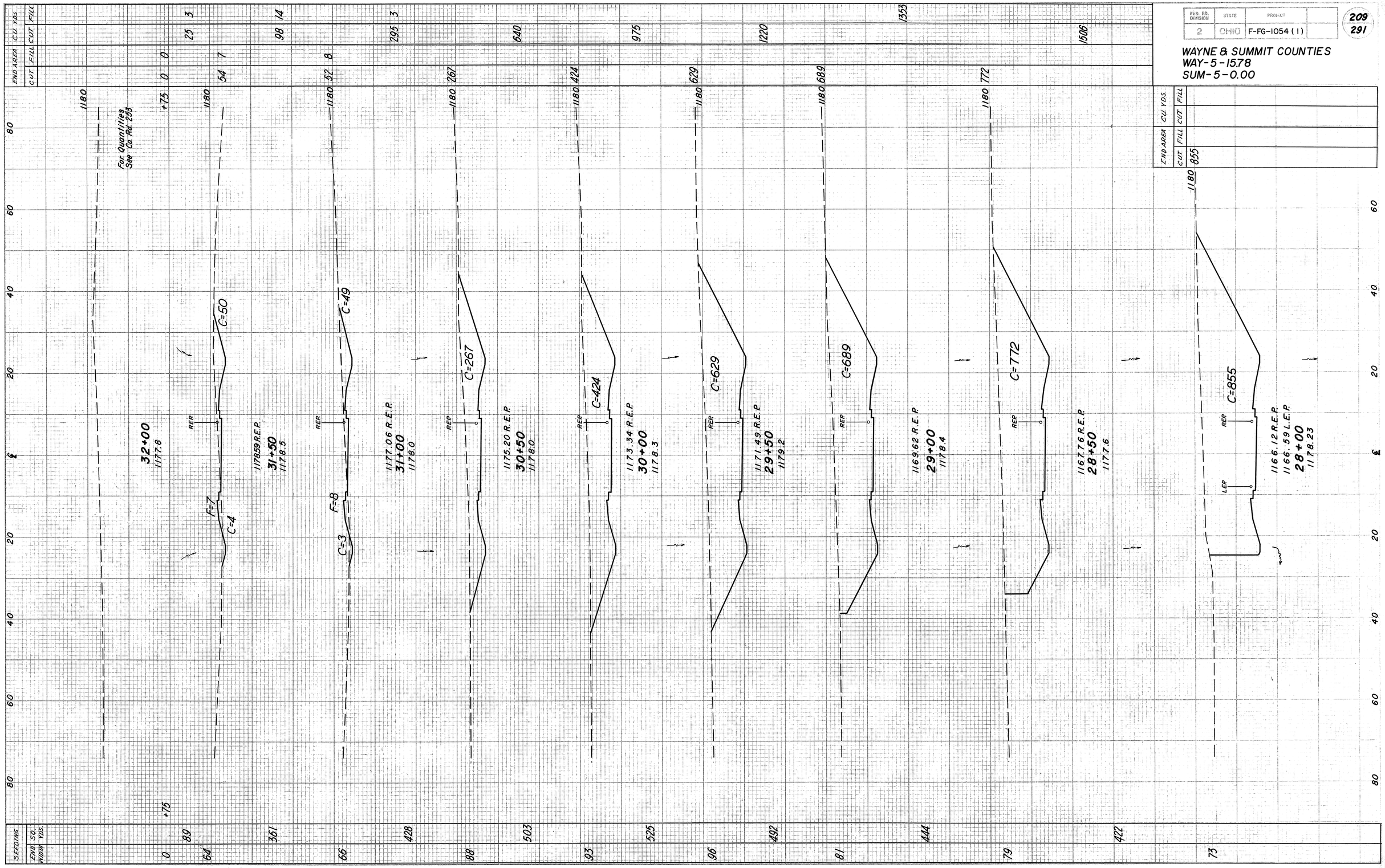
Excavation	6,112 Cu. Yds.
Embankment	20 Cu. Yds.
Embankment +20%	24 Cu. Yds.

RAMP G - SW QUADRANT S.R. 5 - Co. Rd. 253

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

209
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

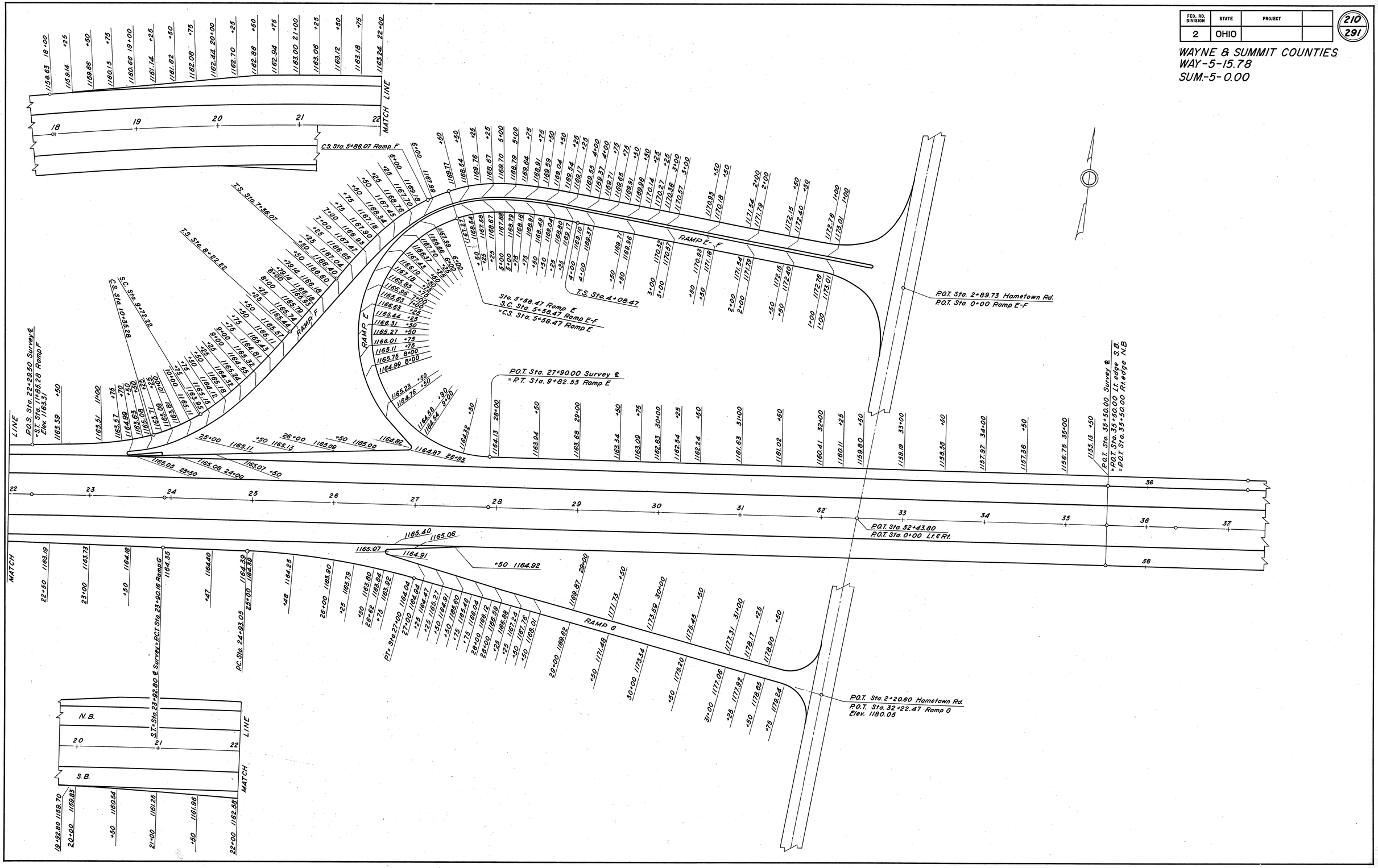


SR 5-INTERCHANGE RAMP "G" STA. 28+00 to STA. 32+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

210
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM.-5-0.00



RAMP PAVEMENT GRADES - INTERCHANGE CO. RD. 253

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

211
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

BEGIN WORK
STA. 32+50.00 Bk.
= STA. 32+49.55 Ahd.

BEGIN NEW PAVEMENT

P.C. Sta. 34+39.00

S.R. 5 CONNECTION

MATCH LINE

JANE AVE.

JONES STREET RELOCATION

JONES ST.

HOLLY AVE.

P.O.T. Sta. 35+50.00 ℄ S.R. 5 Reloc.
= P.O.T. Sta. 35+50.00 Lt. Edge S.B.
P.O.T. Sta. 35+50.00 Rt. Edge N.B.

P.O.T. Sta. 36+49.20 Lt. Edge S.B. Ramp C
= P.O.T. Sta. 23+00.00 Ramp C

T.S. Sta. 36+39.69 ℄ S.R. 5 Reloc.

S.C. Sta. 22+36.15 Ramp C

T.S. Sta. 37+77.24 Lt. Edge S.B.

C.S. Sta. 20+86.78 Ramp C

S.C. Sta. 39+85.69 ℄ S.R. 5 Reloc.

S.C. Sta. 39+27.24 Lt. Edge S.B.

T.S. Sta. 36+59.92 Rt. Edge N.B.

S.C. Sta. 38+09.92 Rt. Edge N.B.

P.O.T. Sta. 36+48.84

P.T. Sta. 36+39.00

℄ S.R. 5 CONN. A0

EXISTING S.R. 5

℄ Sta. 39+16.41

P.C. Sta. 43+39.70 ℄ S.R. 5 CONNECTION

P.O.S.T. 45.12' Ahd. P.I.

P.O.S.T. 46.10' Ahd. P.I.

P.T. Sta. 42+93.62

C.S. Sta. 46+47.71 ℄ S.R. 5 CONNECTION

C.S. Sta. 45+48.18 Rt. Edge N.B. ℄ S.R. 5 Reloc.
S.T. Sta. 47+97.71 ℄ S.R. 5 CONNECTION

S.T. Sta. 46+94.18 Rt. Edge N.B. ℄ S.R. 5 CONN.
= P.O.T. Sta. 49+23.95 ℄ S.R. 5 CONN.

P.O.T. Sta. 47+87.35 ℄ S.R. 5 ℄ Reloc:
P.T. Sta. 50+00.00 S.R. 5
P.O.T. Sta. 15+97.51 ℄ U.S. 21

Structure Omitted for Clarity

P.C. Sta. 13+50.00 Begin Work Contract WAY-5-15.78 SUM-5-0.00

C.S. Sta. 8+94.71

S.C. Sta. 6+58.25

S.T. Sta. 15+27.11

C.S. Sta. 5+08.25

NOTE: FOR RAMP D CURVE DATA SEE CONTRACT SUM-5-0.23

C.S. Sta. 14+49.19

RAMP D

S.T. Sta. 15+99.19
P.O.T. Sta. 16+40.11 ℄ U.S. 21

17 ℄ U.S. 21
N 13°15'52" E

C.S. Sta. 50+88.83

N 58°34'10" E

RAMP C

RAMP D

C.S. Sta. 7+50.00

C.S. Sta. 45+35.18 Lt. Edge S.B.

C.S. Sta. 45+19.85 ℄ S.R. 5 Reloc.

C.S. Sta. 1+00.00

S.T. Sta. 46+85.18 Lt. Edge S.B.

P.O.T. Sta. 41+09.80 Lt. Edge S.B.
= P.O.T. Sta. 40+00.00 Ramp D
T.S. Sta. 49+38.85 S.R. 5 N.B. - Contr. SUM.-21-0.23
= P.O.T. Sta. 51.74' Ahd. P.I. ℄ S.R. 5 Reloc.

S.T. Sta. 47+69.95 ℄ S.R. 5 Reloc.

P.O.T. Sta. 36+48.84
P.T. Sta. 36+39.00

N 85°05'50" E

T.S. Sta. 36+59.92 Rt. Edge N.B.

S.C. Sta. 38+09.92 Rt. Edge N.B.

SOUTHBOUND

NORTHBOUND

Vanetown Wesleyan Church Cem. Bk. Basement

Frame Shed

Fr. Storage Shed

Tin Storage Shed

Well

Ab. Well

Septic Tnk.

Cem. Fence

Fr. Dwg.

Sty. Fr. Dwg.

Sty. Stucco

Drive

Ab.

1" = 50'

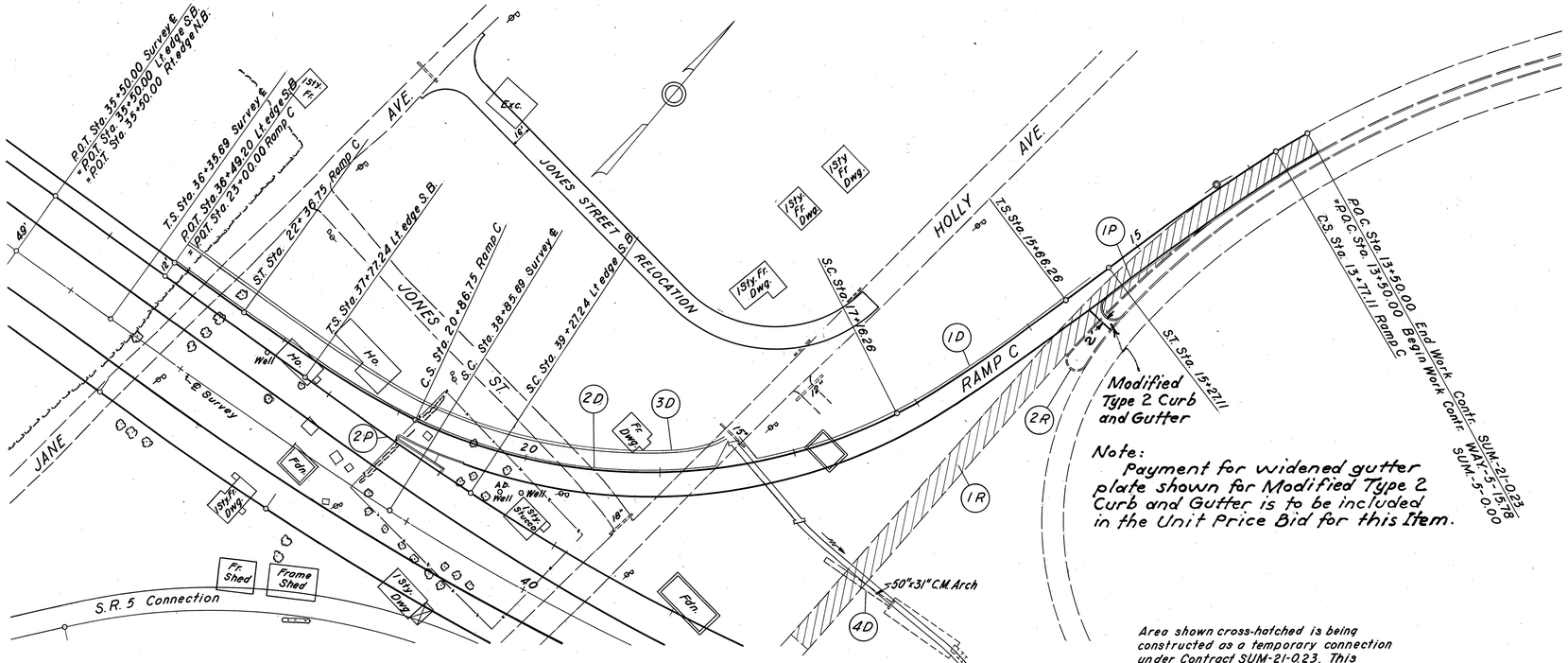
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
						PI Sta. 19+35.15	Lt. Edge S.B. Pavt.	Survey ℄	Rt. Edge N.B. Pavt.
Δ = 17°00'00"	Δ = 38°03'12"	Δ = 12°43'00"	Δ = 26°30'00"	L_s = 150'	L_s = 150'	Δ = 72°52'09"	PI Sta. 42+38.26	PI Sta. 42+11.20	PI Sta. 41+85.24
D = 8°30'00"	D = 12°00'00"	D = 4°00'00"	D = 7°34'37"	Θ_s = 5°40'57"	Θ_s = 3°00'00"	D_c = 14°00'00"	Δ = 26°31'40"	Δ = 26°31'40"	Δ = 26°31'40"
T = 100.74	T = 162.65'	T = 159.61'	T = 178.06'	P = 1.24'	D = 0.85°	L_s = 150'	D_c = 3°30'00"	D_c = 3°00'00"	D_c = 3°00'00"
L = 200'	L = 317.11'	L = 317.92'	L = 349.75'	X_c = 149.85'	X_c = 149.96'	T_s = 378.72'	L_s = 150'	L_s = 250'	L_s = 150'
R = 674.07'	R = 477.46'	R = 1432.39'	R = 756.20'	Y_c = 4.96'	Y_c = 2.62'	E_s =	T_s = 461.02'	T_s = 575.51'	T_s = 525.32'
SE = 0.083%	SE = 0.083%	SE = 0.042%	SE = 0.083%	K = 74.98'	K = 74.99'	Θ_s = 10°30'00"	E_s =	E_s = 53.76'	E_s = 52.86'
				L.T. = 100.05'	L.T. = 100.01'	Δ_c = 51°52'09"	Θ_s = 2°37'30"	Θ_s = 3°45'00"	Θ_s = 2°15'00"
				S.T. = 50.05'	S.T. = 50.01'	L_c = 370.49'	Δ_c = 21°16'40"	Δ_c = 19°01'40"	Δ_c = 22°01'40"
				L.C. = 149.93'	L.C. = 149.98'	X_c = 149.50'	L_c = 607.94'	L_c = 634.26'	L_c = 734.26'
						Y_c = 9.14'	X_c = 149.97'	X_c = 249.89'	X_c = 149.98'
						SE = 0.083%	Y_c = 2.29'	Y_c = 5.45'	Y_c = 1.96
							SE = 0.049%	SE = —	SE = 0.049%

INTERCHANGE AT U.S. 21

FED RD DIVISION	STATE	PROJECT		
2	OHIO			

212
291

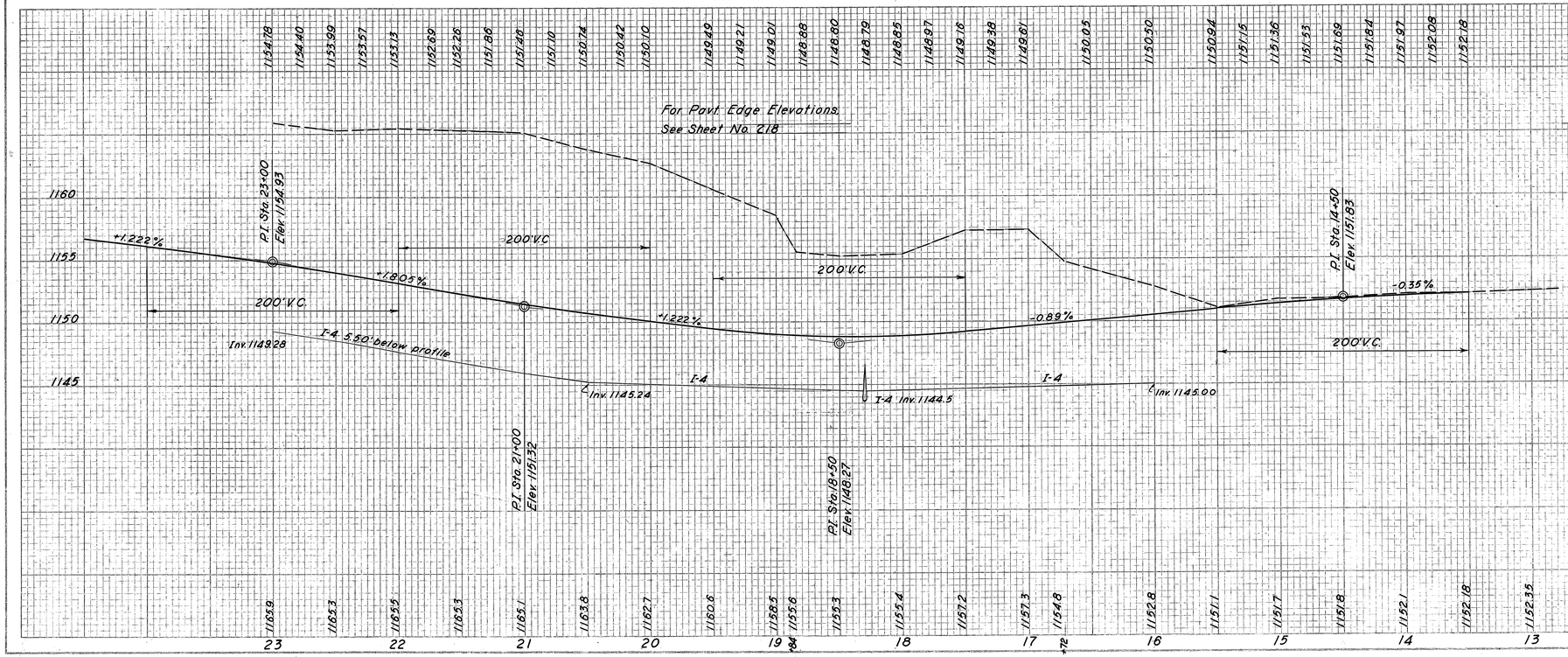
WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00



Note:
Payment for widened gutter plate shown for Modified Type 2 Curb and Gutter is to be included in the Unit Price Bid for this Item.

Area shown cross-hatched is being constructed as a temporary connection under Contract SUM-21-0.23. This pavement to be removed under this contract.

For Nose detail, See Sheet No. 220



DRAINAGE

Ref. No.	Station From	Station To	Side	I-4 Underdrain Deep 6" L.F	I-4 Pipe Outlets for Underdrain 6" L.F	I-5 Bend 60° 6" Ea.	L-10 Sodding Width L.F	L-10 Sodding S.Y.	E-12 Pipe Removed for Storage 50"x31" C.M. Arch L.F
1D	15+55	18+38	R	290	10	1			
2D	18+48	23+00	R	452	10	1			
3D	18+48	23+00	R				9	450	
4D	17+70	18+00	L						62
Totals				742	20	2		450	62

PAVEMENT

Ref. No.	Station From	Station To	Side	I-12 St'd. Type 2-A Curb L.F	I-12 Modified Type 2 Cb. & Gutt. L.F.
1P	13+50		L	188	28
Totals				188	28

STRUCTURES (20' span and under)

Ref. No.	Station	E-2 Excavation for Structures C.Y.	S-1 Concrete for Structures Class E C.Y.	S-27 Pipe for Roadway Culverts 58"x36" CMA 8 Gage-L.F.	I-10 Type A Rip-Rap 6" Reinf. Concrete S.Y.	E-3 Channel Excavation	See Sheet No.
1-S	18+30	81	4.5	78	71	100	239
Totals		81	4.5	78	71	100	

ROADWAY

Ref. No.	Station From	Station To	Side	E-8 Removal & Disposal of Existing Pavement S.Y.	E-8 Removal & Disposal of Existing Curb L.F.
1R	13+50	18+27	L	942	
2R	13+50	15+90	L		288
Totals				942	288

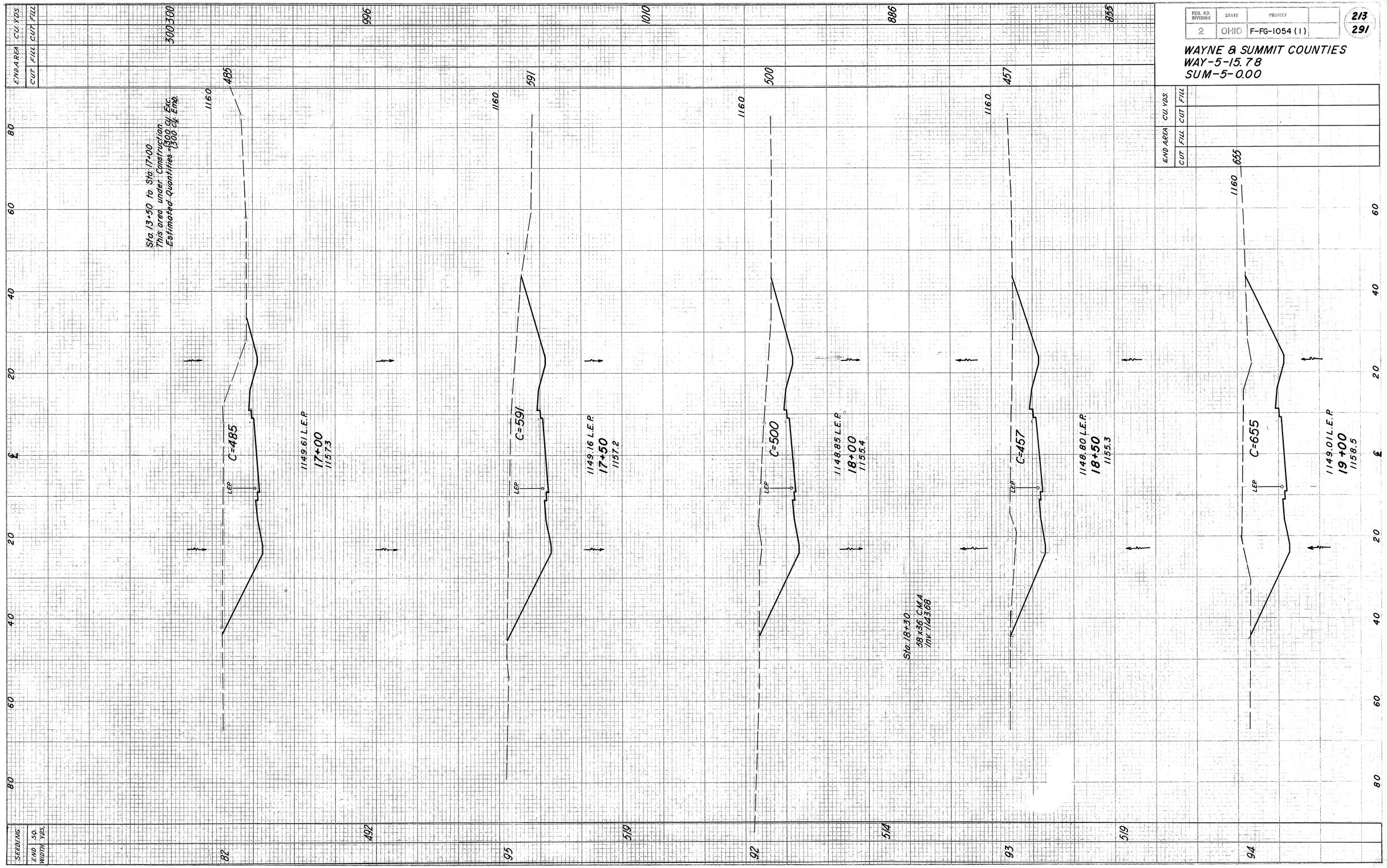
Excavation	4,047 Cu. Yds.
Embankment	300 Cu. Yds.
Embankment + 20%	360 Cu. Yds.

RAMP C

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054 (1)

213
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

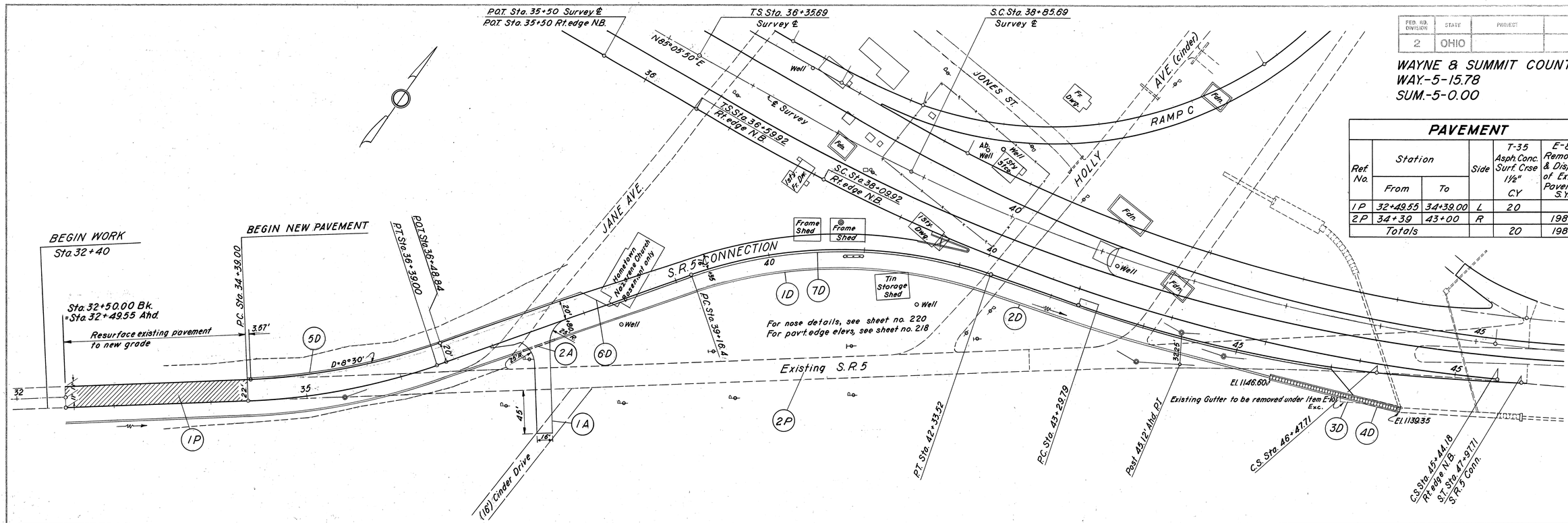


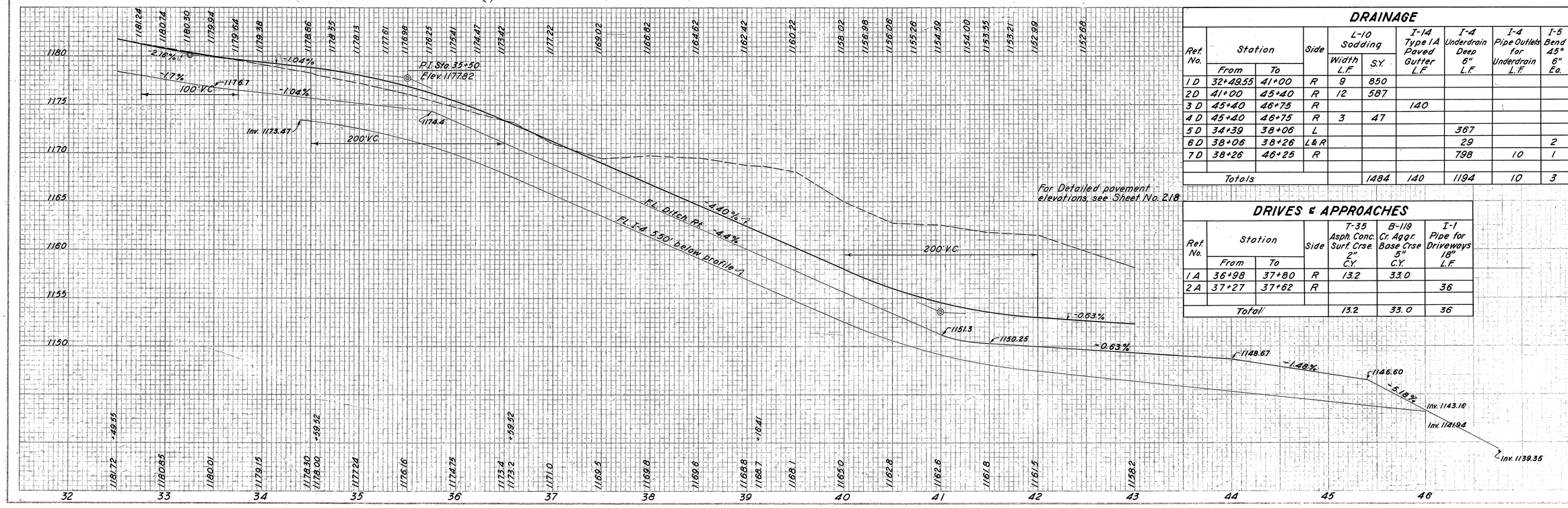
SR5 INTERCHANGE RAMP "C" STA. 17+00 to STA. 19+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

214
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00





PAVEMENT

Ref. No.	Station From	Station To	Side	T-35 Asph. Conc. Surf. Crse 1½" CY	E-8 Removal & Disposal of Exist. Pavement S.Y.
1P	32+49.55	34+39.00	L	20	
2P	34+39	43+00	R		1980
Totals				20	1980

DRAINAGE

Ref. No.	Station From	Station To	Side	L-10 Sodding Width L.F	L-10 Sodding S.Y.	I-14 Type I A Paved Gutter L.F	I-4 Underdrain Deep 6" L.F	I-4 Pipe Outlets for Underdrain L.F	I-5 Bend 45° 6" Ea.	See Sheet No.
1D	32+49.55	41+00	R	9	850					
2D	41+00	45+40	R	12	587					
3D	45+40	46+75	R			140				222
4D	45+40	46+75	R	3	47					
5D	34+39	38+06	L				367			
6D	38+06	38+26	L & R				29		2	
7D	38+26	46+25	R				798	10	1	
Totals					1484	140	1194	10	3	

DRIVES & APPROACHES

Ref. No.	Station From	Station To	Side	T-35 Asph. Conc. Surf. Crse. 2" C.Y.	B-119 Cr. Aggr. Base Crse 5" C.Y.	I-1 Pipe for Driveways 18" L.F.
1A	36+98	37+80	R	13.2	33.0	
2A	37+27	37+62	R			36
Totals				13.2	33.0	36

Excavation	6338 Cu. Yds.
Embankment	116 Cu. Yds.
Embankment +20%	139 Cu. Yds.

S.R.5 CONNECTION

FED. RD. DIVISION	STATE	PROJECT		215 / 291
2	OHIO	F-FG-1054 (1)		

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA	CU. YDS.
CUT	FILL
12	0

END AREA	CU. YDS.
CUT	FILL
	3

SEEDING	
END WIDTH	SQ. YDS.
69	378
67	392
74	430
81	414
68	275
	30

Sta. 32+50 rt.
Begin ditch
Begin L-10 Sod
9' width

32+40
1181.72

C=15 1174.2 F=8 C=27 C=14
1178.13 R.E.P.
35+00
1177.24

C=23 1175.7 F=3 C=32 C=10
Begin new pavement Sta. 34+39
1178.86 R.E.P.
34+50
1178.30

C=50 1176.2 F=3 F=2 C=4 F=7
1179.38 R.E.P.
34+00
1179.15

C=47 1176.7 F=1 C=2 F=7
1179.93 R.E.P.
33+50
1180.01

C=18 1177.6 F=4 C=1 F=8
1180.71 R.E.P.
33+00
1180.85

1181.72
32+49.55
1181.72

SR 5 CONNECTION STA. 32+50.45 to STA. 35+00

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054 (1)

216
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

	CU. YDS.	
END AREA	CUT	FILL
	124	13
	78	7

SEEDING	
END	SQ. YDS.
WIDTH	YDS.
	492
90	
	436
87	
	380
70	
	361
67	
	356
63	
	372
65	

1166.82 R.E.P.
38+00
1169.8

1169.02 R.E.P.
37+50
1169.5

1171.22 R.E.P.
37+00
1171.0

1173.42 R.E.P.
36+50
1173.4

1175.41 R.E.P.
36+00
1174.75

1176.98 R.E.P.
35+50
1176.16

SR5 CONNECTION STA. 35+50 to STA. 38+00

FED. NO. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

217
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	C.U. YDS. CUT	C.U. YDS. FILL

SEEDING WIDTH	SEEDING SQ. YDS.

1156.06 R.E.P.
40+50
1162.8

1158.02 R.E.P.
40+00
1165.0

1160.22 R.E.P.
39+50
1168.1

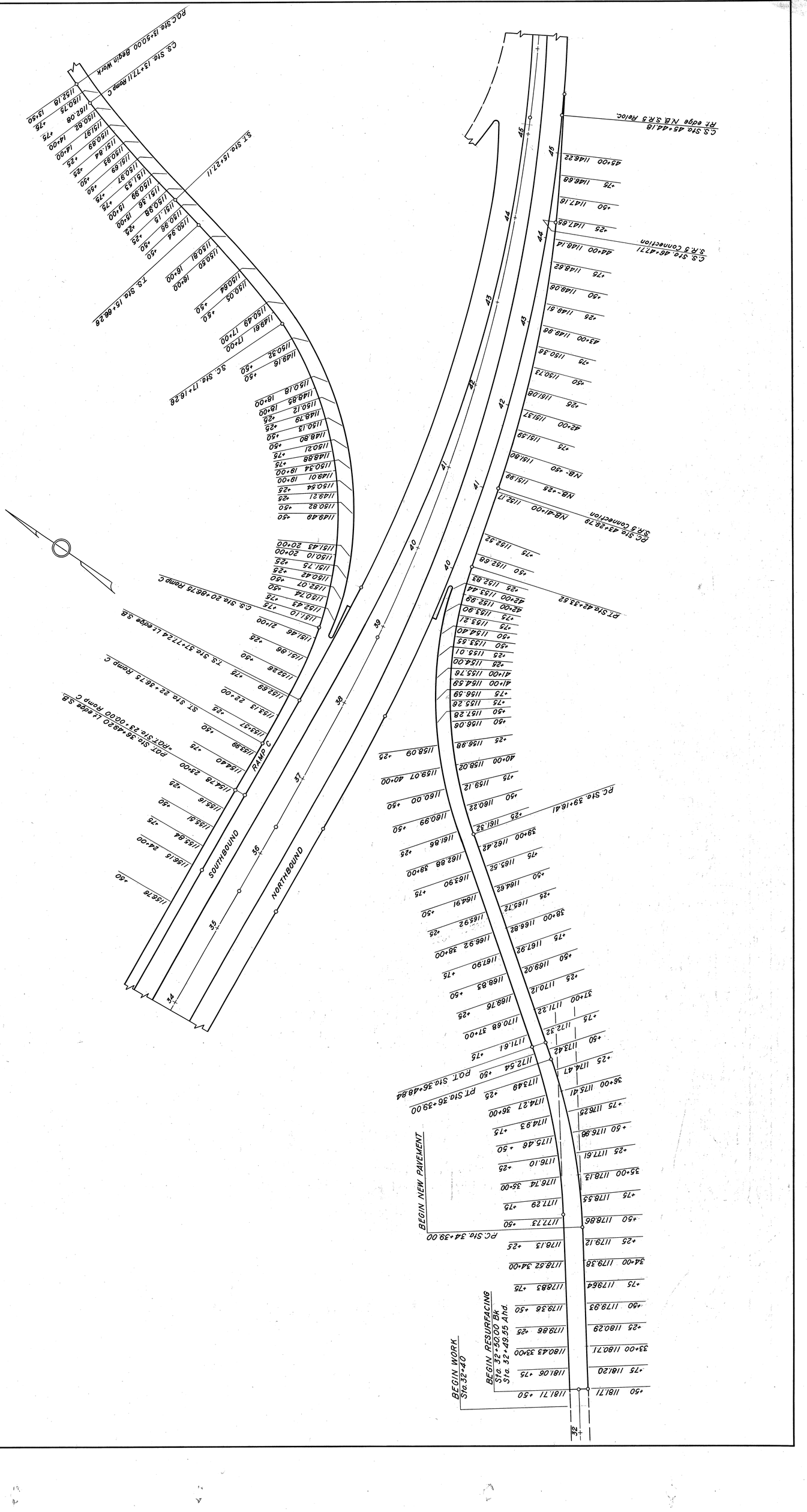
1162.42 R.E.P.
39+00
1168.8

1164.62 R.E.P.
38+50
1169.8

SR5 CONNECTION STA. 38+50 to STA. 40+50

FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

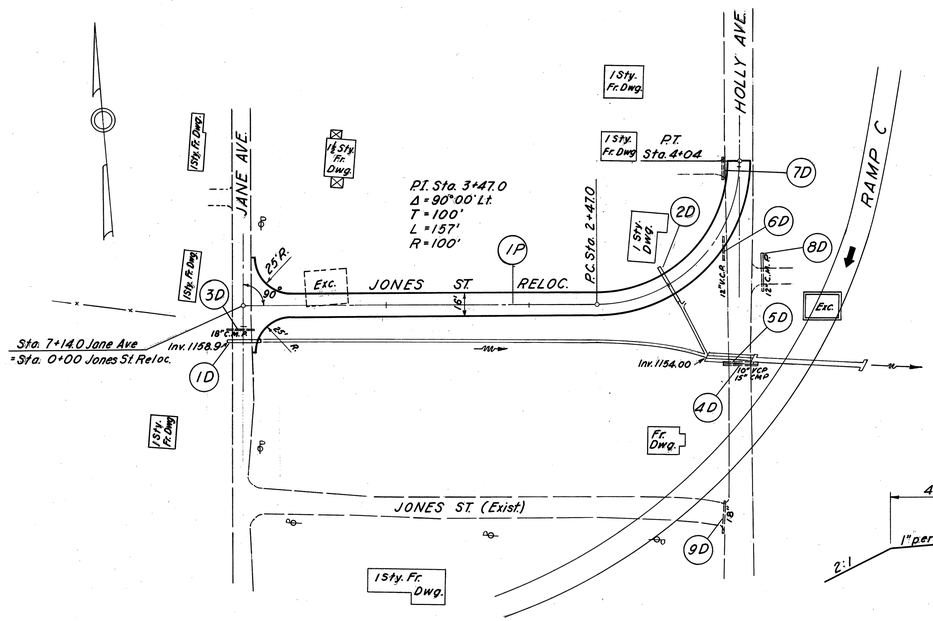
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM.-5-0.00



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

219
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



GRADING SUMMARY

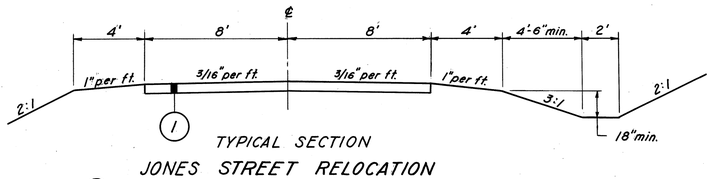
Station	End Area		Volume	
	Cut S.F.	Fill S.F.	Cut C.Y.	Fill C.Y.
0+08	50	0		
			26	5
0+25	13	17		
			12	23
1+00	3	32		
			14	40
1+50	12	11		
			24	44
2+00	14	37		
			19	65
2+50	6	33		
			7	58
3+00	2	30		
			46	28
3+50	48	0		
			76	0
4+04	28	0		
			8	0
4+20	0	0		
Totals			232	263

DRAINAGE

Ref No.	Station From	Station To	Side	I-1 Pipe for Driveways 18" L.F.	E-12 Pipe Removed 15" and under L.F.	E-12 Pipe Removed over 15" L.F.
1 D	0+00		R	24		
2 D	3+00		L&R	28		
3 D	0+00		R			20
4 D	3+03	3+15	R		24	
5 D	3+03	3+15	R		24	
6 D	3+38	3+51	R		17	
7 D	3+90	4+06	L		16	
8 D	3+38	3+54	R		24	
9 D	2+80	2+83	R			23
Totals				52	105	43

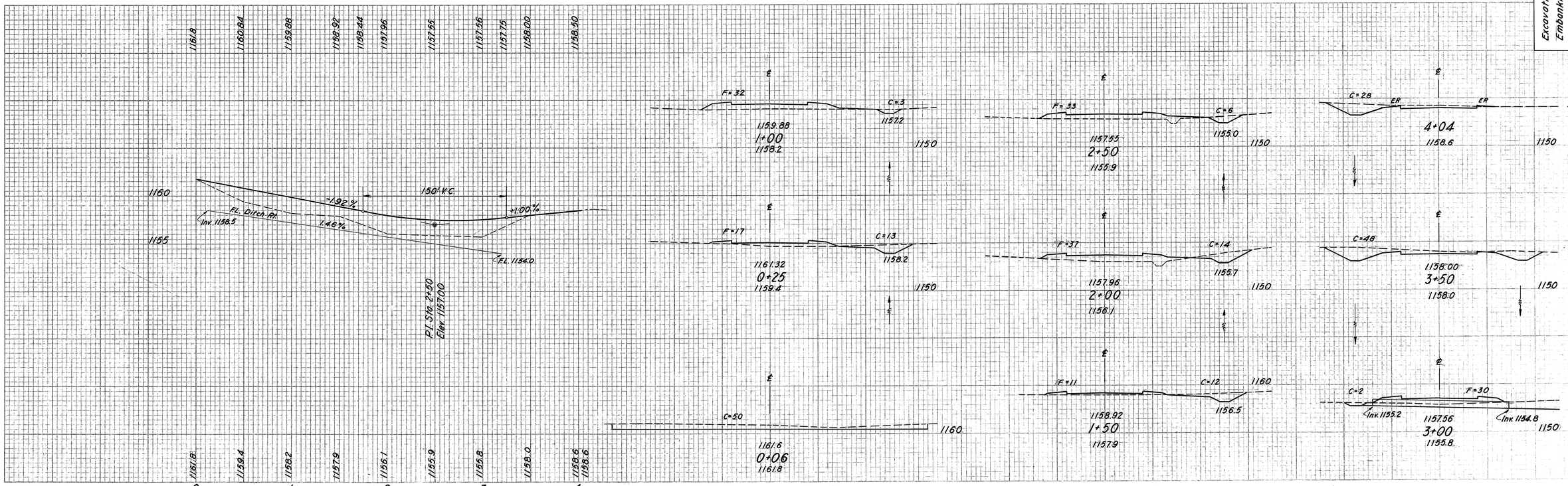
PAVEMENT

Ref. No.	Station From	Station To		I-18 Stab. Cr. Agg. Shldrs. and Appr. 6" C.Y.
1 P	0+06	4+04		125
Totals				125



TYPICAL SECTION
JONES STREET RELOCATION
(1) 6" I-18 Stabilized Crushed Aggregate Shoulders & Approaches
1/4" = 1'-0

Excavation	232 Cu. Yds.
Embankment	263 Cu. Yds.
Embankment + 20%	316 Cu. Yds.

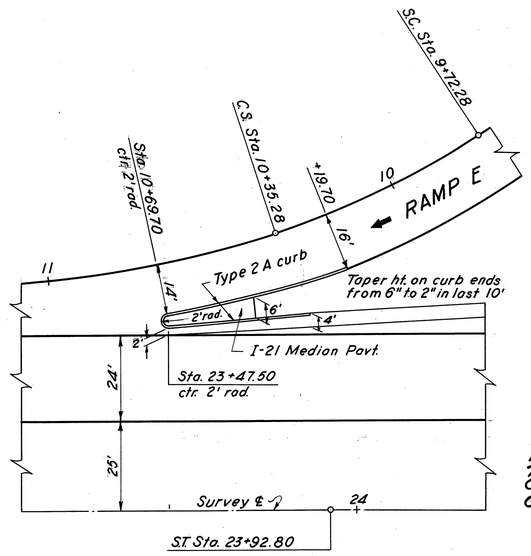


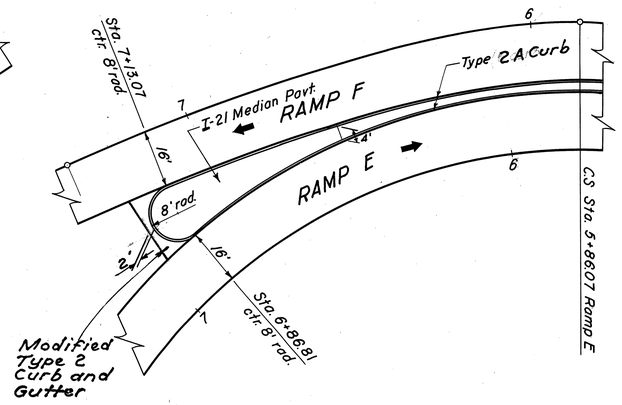
JONES STREET RELOCATION

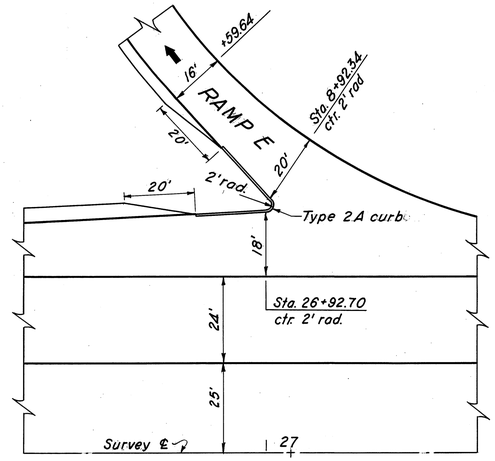
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

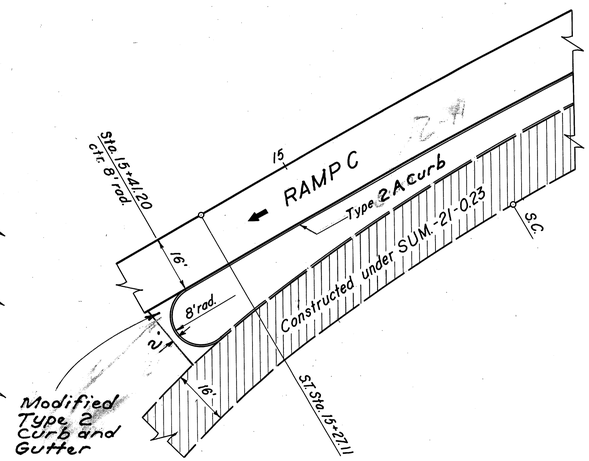
220
291

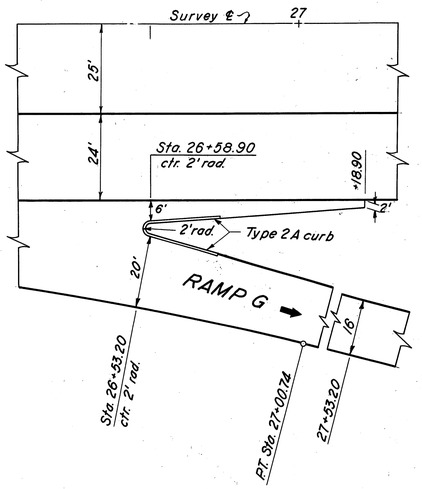
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM.-5-0.00

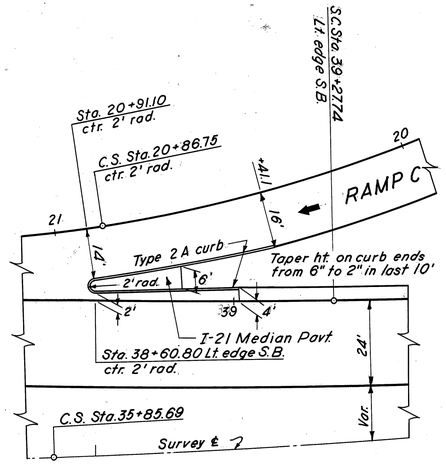


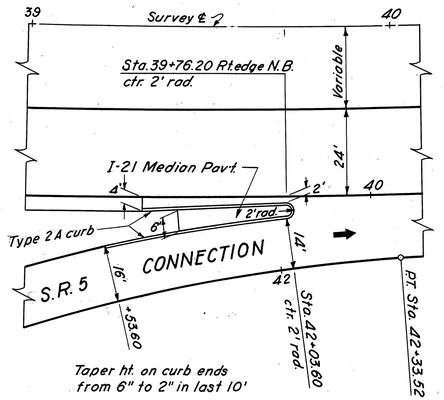


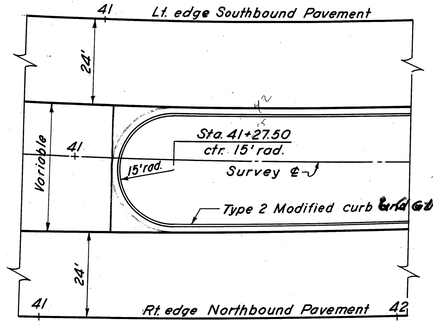


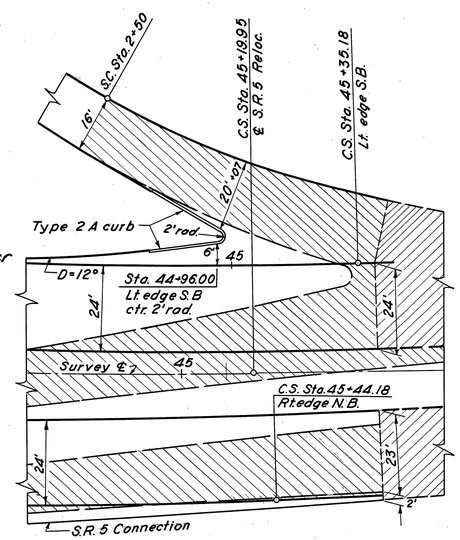












Existing T-70 Pavement to be removed
Existing T-71 Pavement to remain

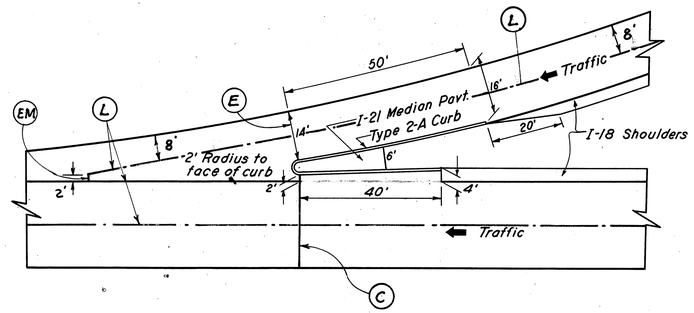
Scale: 1" = 20'

INTERSECTION DETAILS

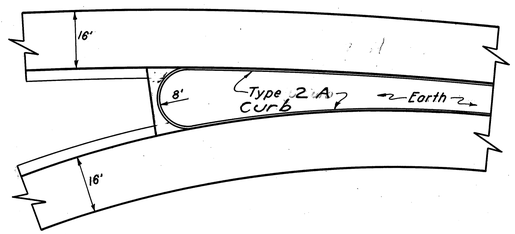
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

221
291

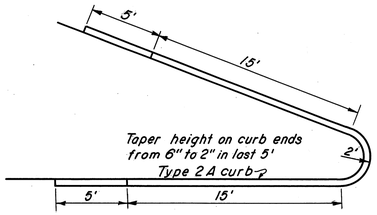
WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00



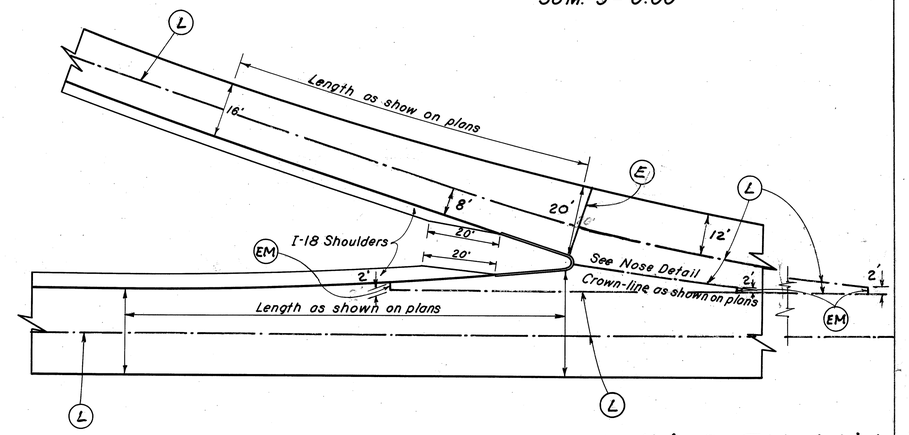
TYPICAL ENTRANCE TERMINAL AND
TYPICAL PAVEMENT JOINT DETAIL



TYPICAL MEDIAN NOSE DETAIL



EXIT TERMINAL NOSE DETAIL

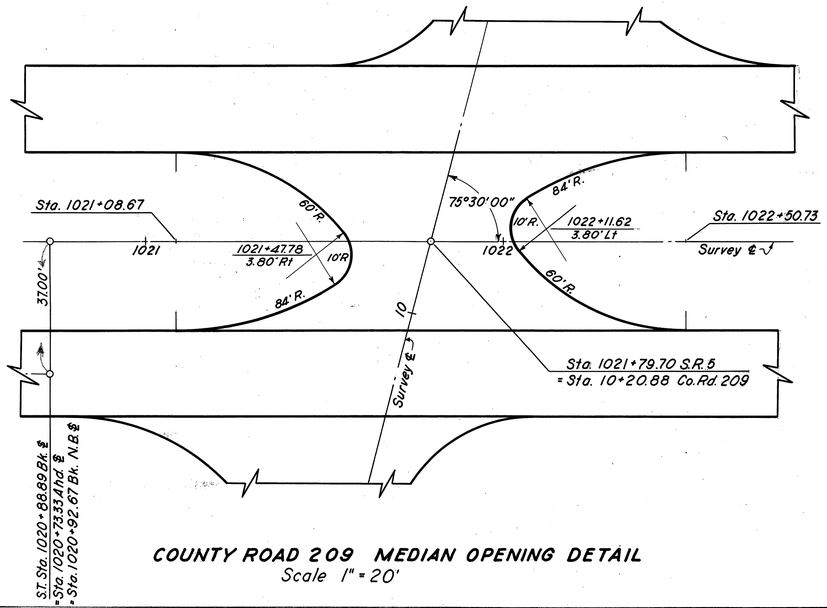


Note: For Typical Joint Detail at Ramp Flares, See Sheet 176.

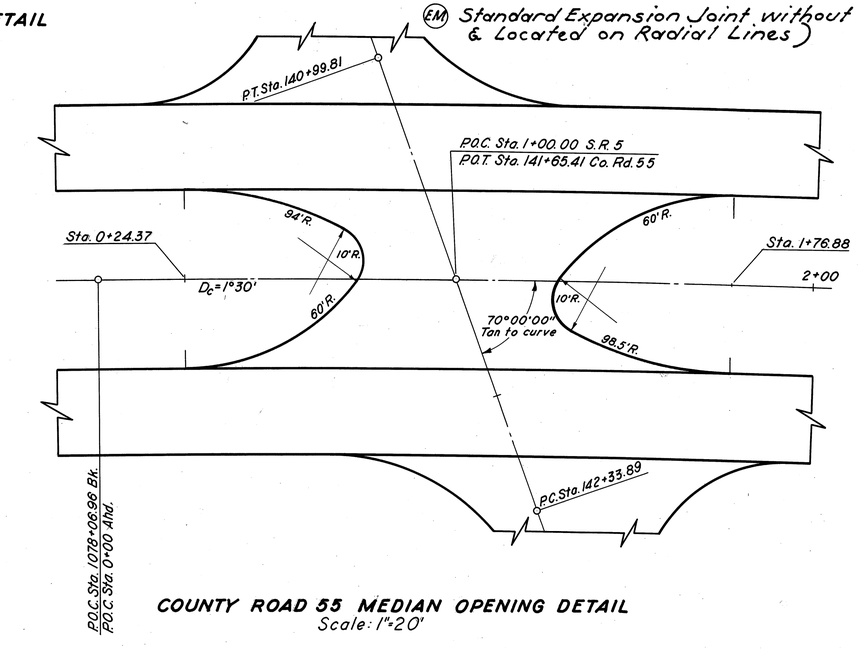
TYPICAL EXIT TERMINAL AND
TYPICAL PAVEMENT JOINT DETAIL

PAVEMENT JOINT LEGEND

(L) Standard Longitudinal Joint
(E) Standard Expansion Joint
(C) Standard Contraction Joint
(K) Standard Longitudinal Key Joint without Tie Bars
(EM) Standard Expansion Joint without Dowels (2' Long, & Located on Radial Lines)



COUNTY ROAD 209 MEDIAN OPENING DETAIL
Scale 1" = 20'



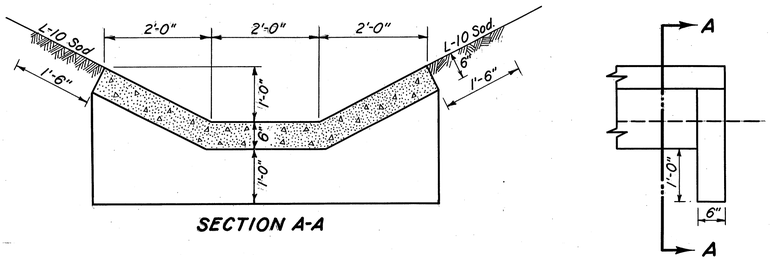
COUNTY ROAD 55 MEDIAN OPENING DETAIL
Scale: 1"=20'

INTERSECTION DETAILS

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

222
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM.-5-0.00

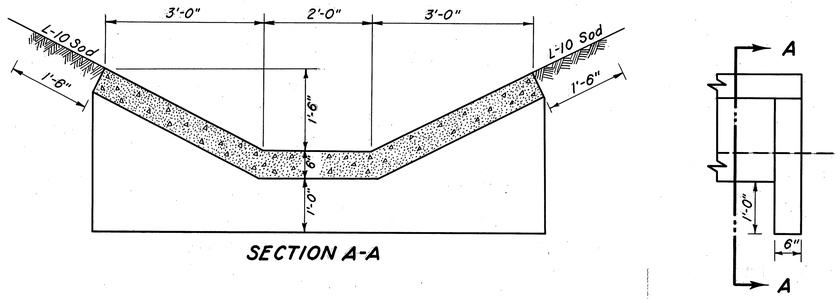


SECTION A-A

SPECIAL TYPE I-A PAVED GUTTER

Scale: 3/4"=1'-0"

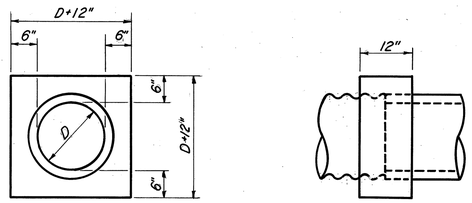
NOTE: Cutoff walls shall be constructed at the ends of all gutters, except where they abut pavement, catch basins or gutters.
For additional notes, see Std. Dwg. I-14G



SECTION A-A

SPECIAL TYPE I-B PAVED GUTTER

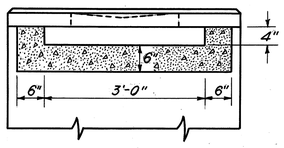
Scale: 3/4"=1'-0



DETAIL - CONCRETE COLLAR (CLASS "E" CONCRETE)

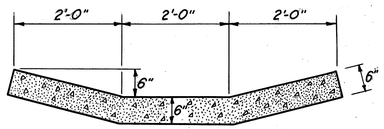
Sta. 1038+00
Sta. 1063+00
Sta. 1072+00

Scale 3/4"=1'-0"



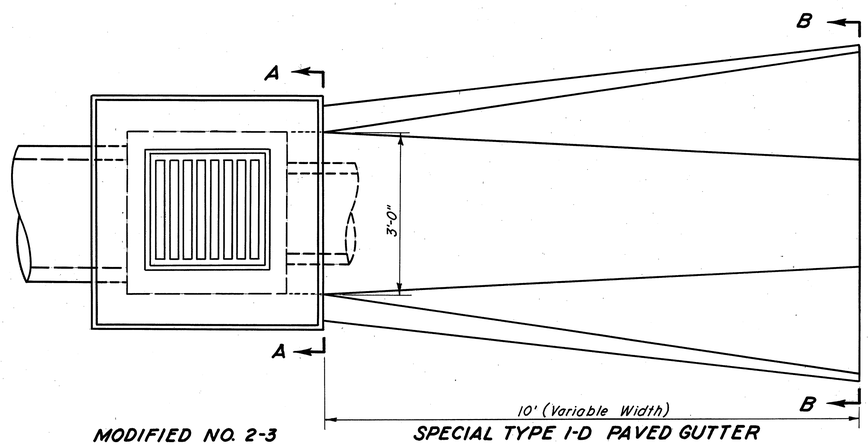
SECTION A-A

NOTE: Flow line to be 6" below normal ditch, returning to normal 10' on up-stream side of basin.
For additional catch basin details, see Std. Drwg. I-8 C.B. 2-3



SECTION B-B

Scale: 3/4" =1'-0"



MODIFIED NO. 2-3 CATCH BASIN

SPECIAL TYPE I-D PAVED GUTTER

Note: Modification of the No 2-3 Catch Basin consists of providing windows as required, without bars, dimensioned as shown in Section A-A.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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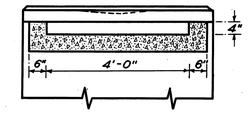
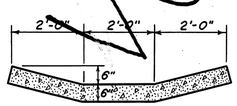
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

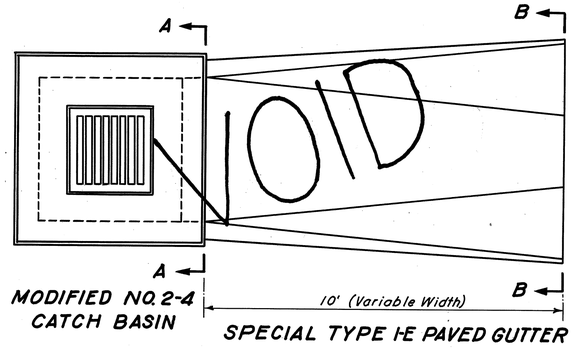


SECTION A-A

NOTE: Flow line to be 6" between normal ditch, returnig to normal 10' on up-stream side of basin.
For additional catch basin details see Std. Dwg. I-8, 2-4



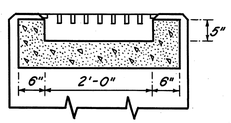
SECTION B-B



MODIFIED NO. 2-4 CATCH BASIN

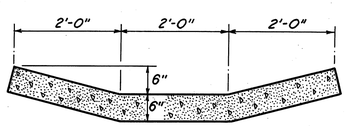
SPECIAL TYPE I-E PAVED GUTTER

Scale: 1/2 = 1'-0"

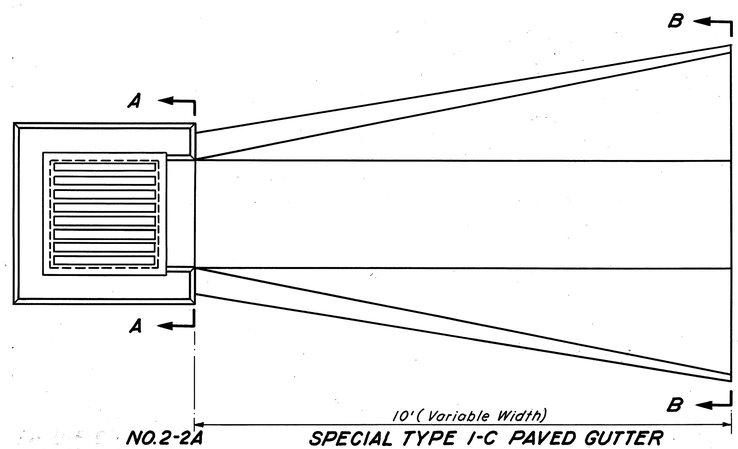


SECTION A-A

NOTE: Flowline to be 6" below normal ditch returning to normal 10' on up-stream side of basin.
For additional catch basin details, see Std. Drwg. I-8 CB 2-2-A



SECTION B-B



NO. 2-2A CATCH BASIN

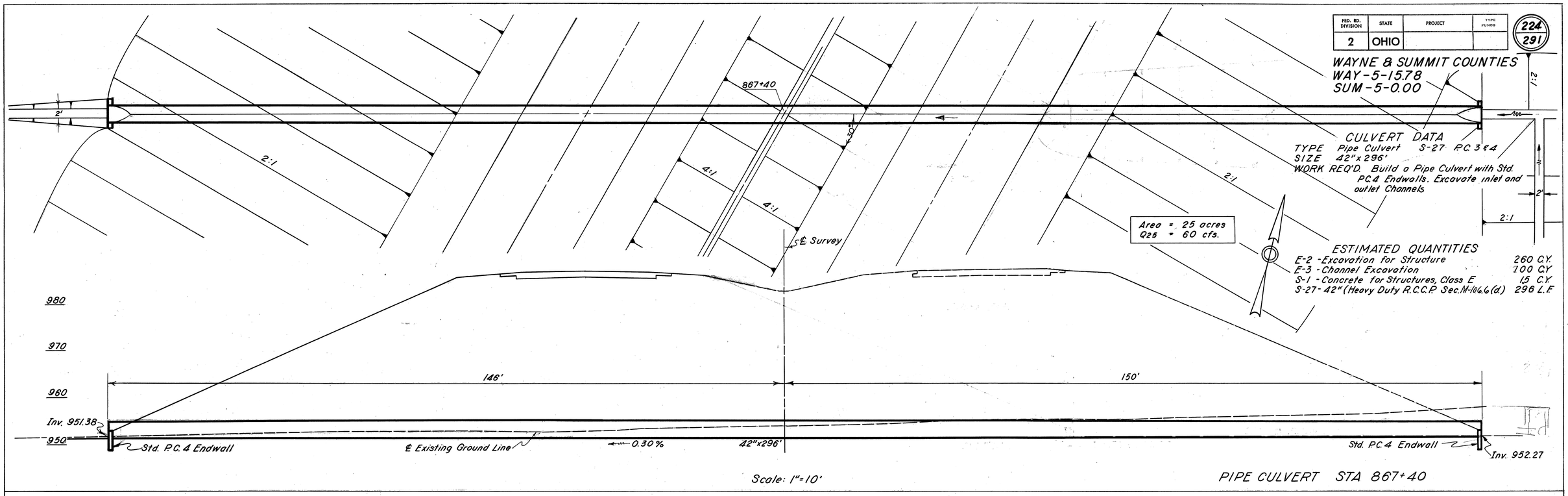
SPECIAL TYPE I-C PAVED GUTTER

Scale: 3/4" = 1'-0"

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

224
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



CULVERT DATA
TYPE Pipe Culvert S-27 P.C. 3&4
SIZE 42"x 296'
WORK REQ'D. Build a Pipe Culvert with Std. P.C.4 Endwalls. Excavate inlet and outlet Channels

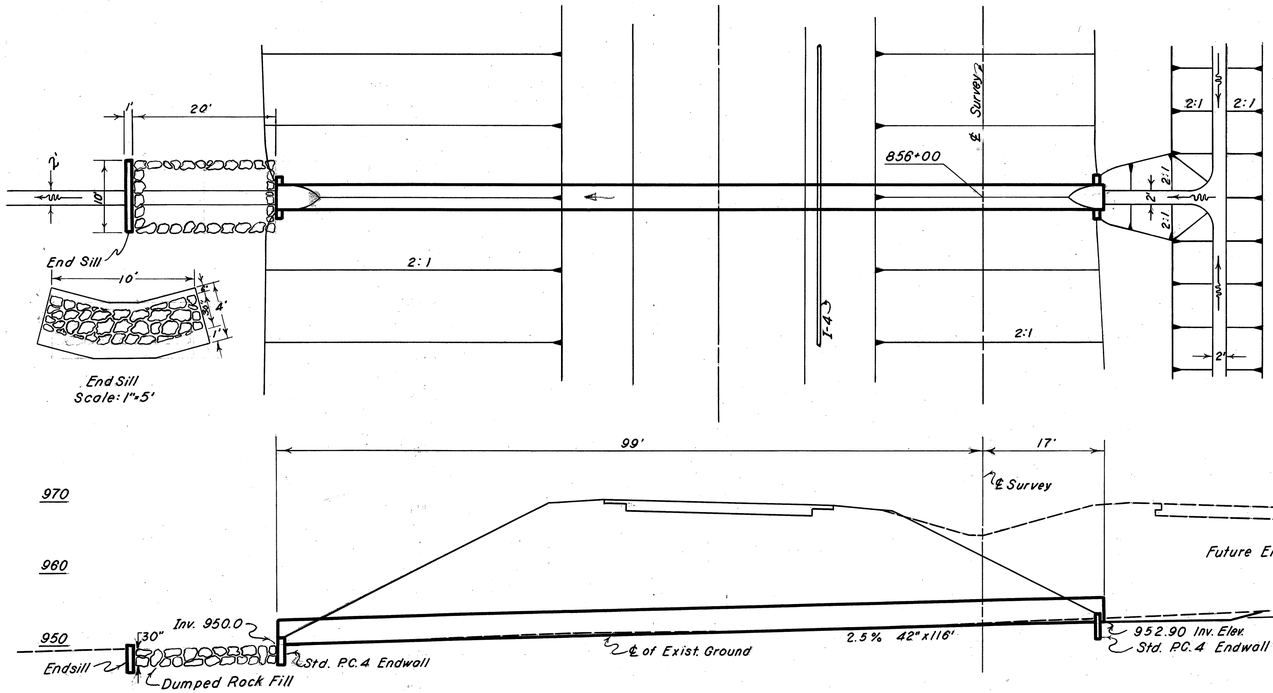
Area = 25 acres
Q25 = 60 cfs.

ESTIMATED QUANTITIES

E-2 -Excavation for Structure	260 C.Y.
E-3 -Channel Excavation	100 C.Y.
S-1 -Concrete for Structures, Class E	15 C.Y.
S-27- 42" (Heavy Duty R.C.C.P. Sec.M-106.6(d.)	296 L.F.

Scale: 1"=10'

PIPE CULVERT STA 867+40



Area = 36 acres
Q25 = 74 cfs.

CULVERT DATA
TYPE - Pipe Culvert S-27, P.C. 3 & 4
SIZE - 42" x 116'
WORK REQ'D. - Build a Pipe Culvert with Std. P.C.4 Endwalls, Place Dumped Rock Lt. as shown

ESTIMATED QUANTITIES

E-2	Excavation for Structures	50 C.Y.
S-1	Concrete for Structures, Class E	3.2 C.Y.
* S-27	42" Pipe for Roadway Culverts.	116 L.F.
I-10	Dumped Rock	19 C.Y.

* Sec. M-6.6(c) or Sec. M-6.4(d)

Scale: 1"=10'

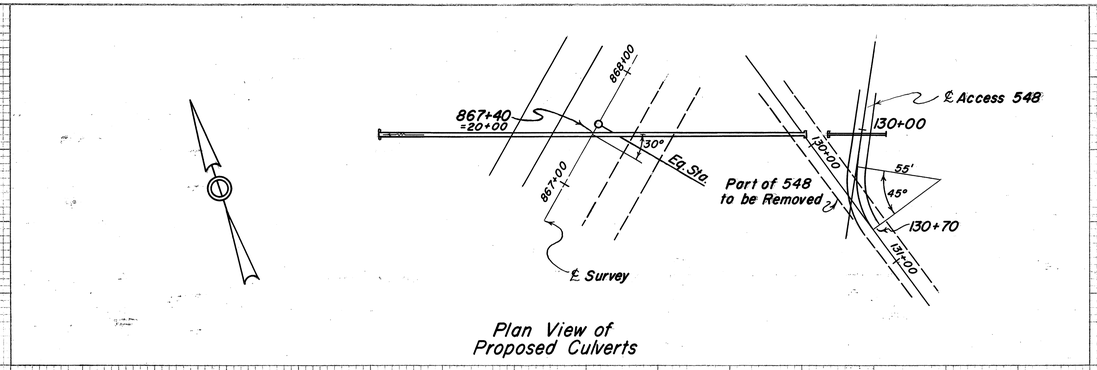
PIPE CULVERT STA. 856+00

PIPE CULVERTS - STA. 867+40 & STA. 856+00

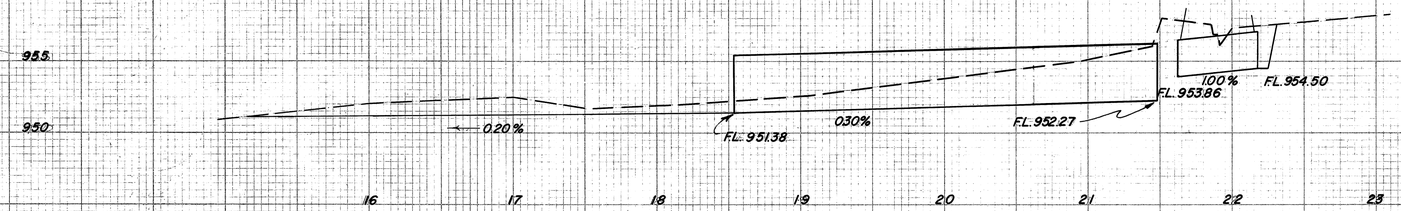
FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

225
291

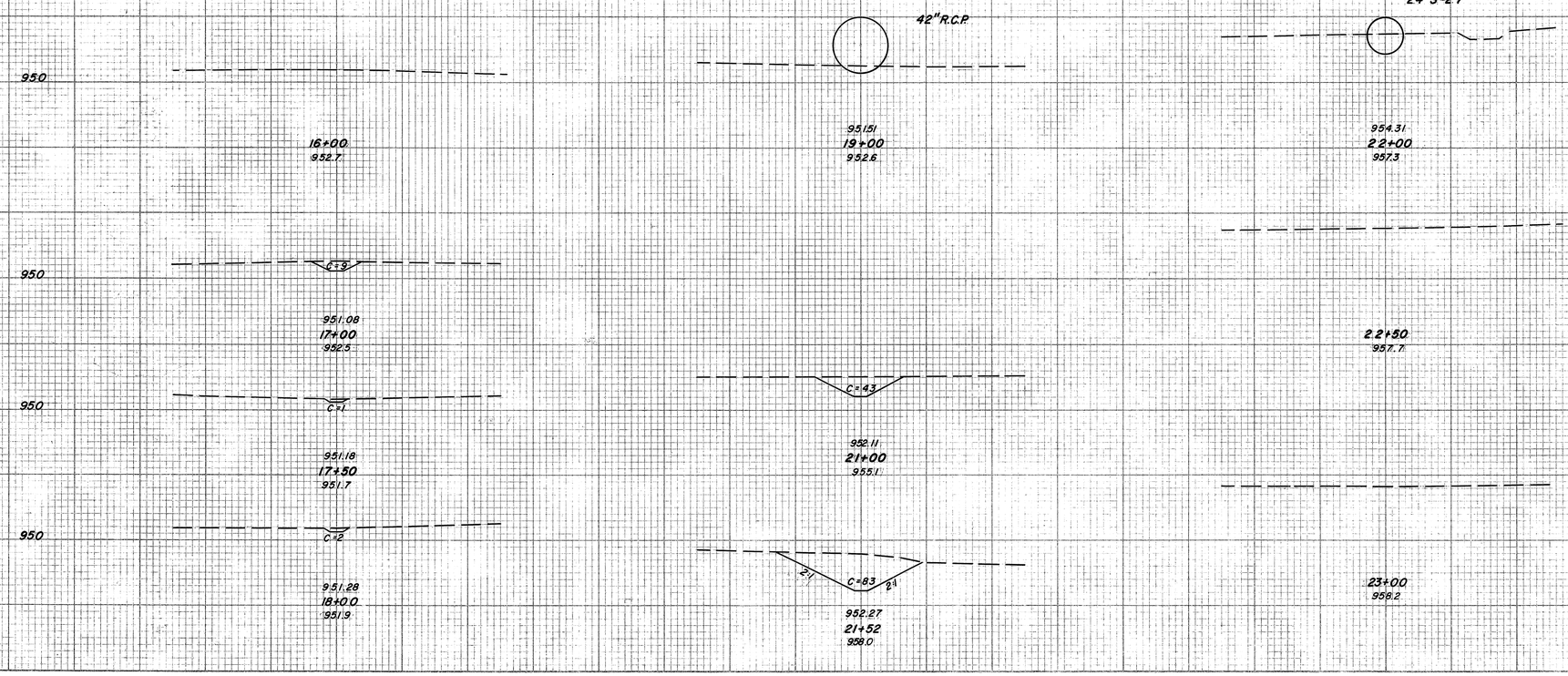
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



Plan View of
Proposed Culverts



Proposed Culvert
Sta. 867+40 ℄ Skew 30°
Scale 1" = 50' Hor.
1" = 5' Vert.

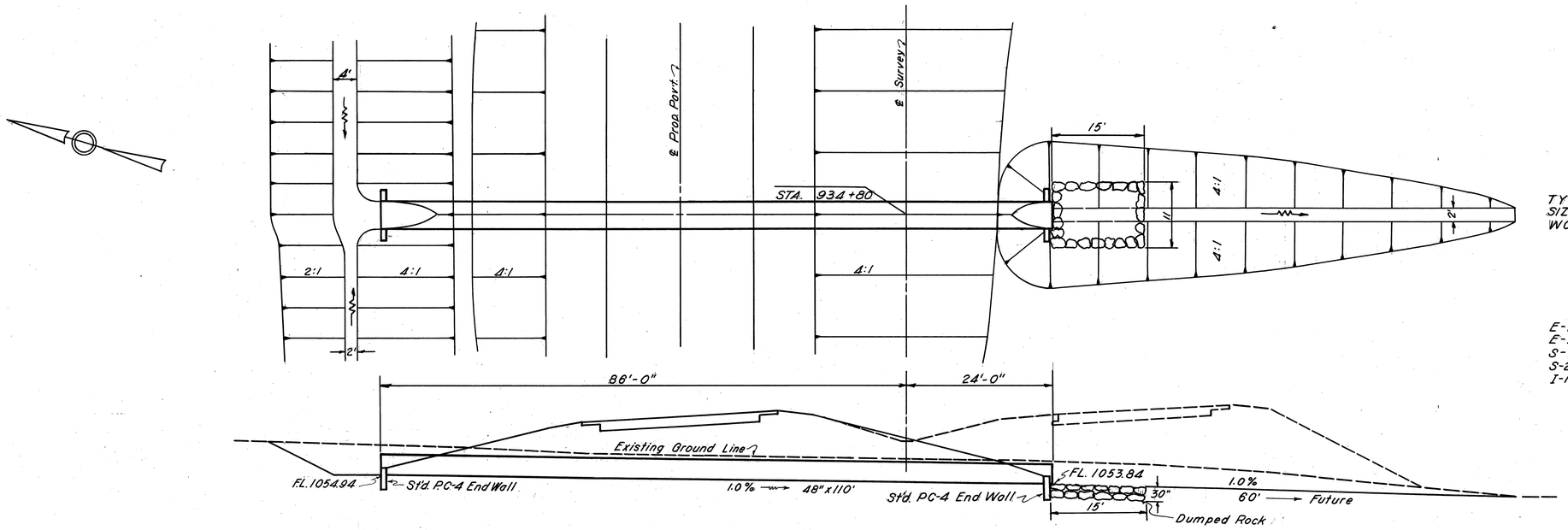


OUTLET DITCH Sta. 867+40

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

226
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



CULVERT DATA

TYPE - Pipe Culvert S-27, PC. 3 & 4
SIZE - 48" x 110'
WORK REQ'D - Build a Pipe Culvert with St'd. PC-4 End Walls. Recess Endwall Rt. side 6". Excavate inlet and outlet Channel Place Dumped Rock as shown

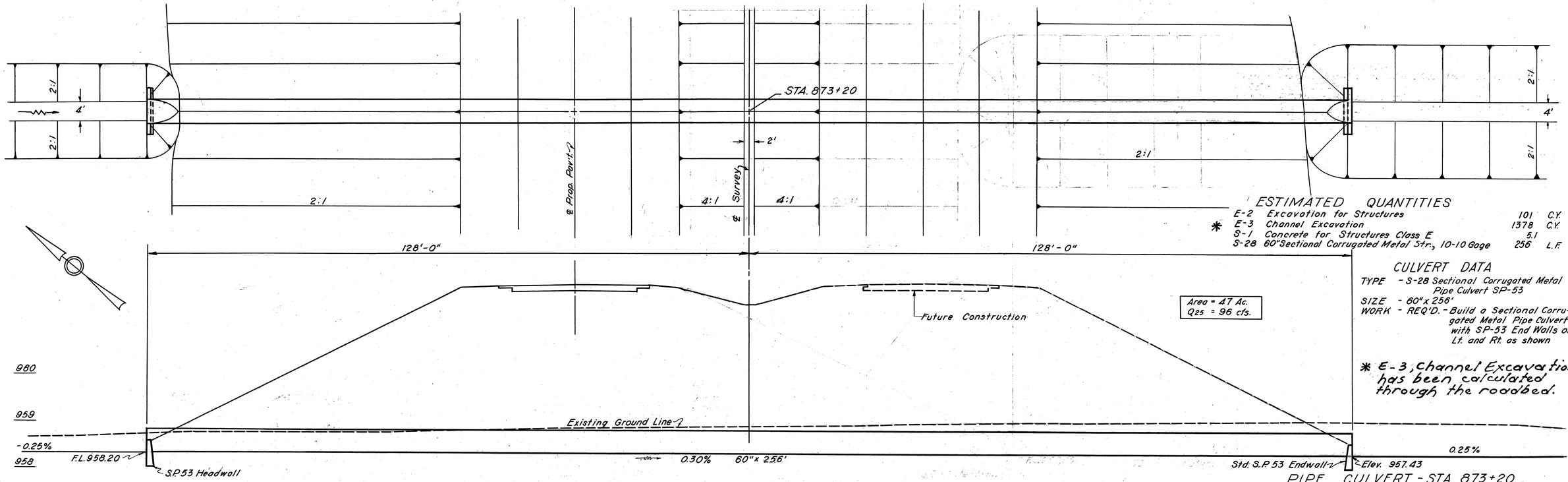
ESTIMATED QUANTITIES

E-2	Excavation for Structures	143 C.Y.
E-3	Channel Excavation	22 C.Y.
S-1	Concrete for Structures, Class E	1.5 C.Y.
S-27	48" Pipe for R'dw'y Culverts	110 L.F.
I-10	Dumped Rock	18 C.Y.

Area = 35 Ac.
Q25 = 76 c.f.s.

Scale: 1"=10'

PIPE CULVERT - STA 934 + 80



ESTIMATED QUANTITIES

E-2	Excavation for Structures	101	C.Y.
* E-3	Channel Excavation	1378	C.Y.
S-1	Concrete for Structures Class E	5.1	
S-28	60" Sectional Corrugated Metal Str., 10-10 Gage	256	L.F.

Area = 47 Ac.
Q25 = 96 cfs.

CULVERT DATA

TYPE - S-28 Sectional Corrugated Metal Pipe Culvert SP-53
SIZE - 60" x 256'
WORK - REQ'D. - Build a Sectional Corrugated Metal Pipe Culvert with SP-53 End Walls on Lt. and Rt. as shown

* E-3, Channel Excavation has been calculated through the roadbed.

Scale: 1"= 10'

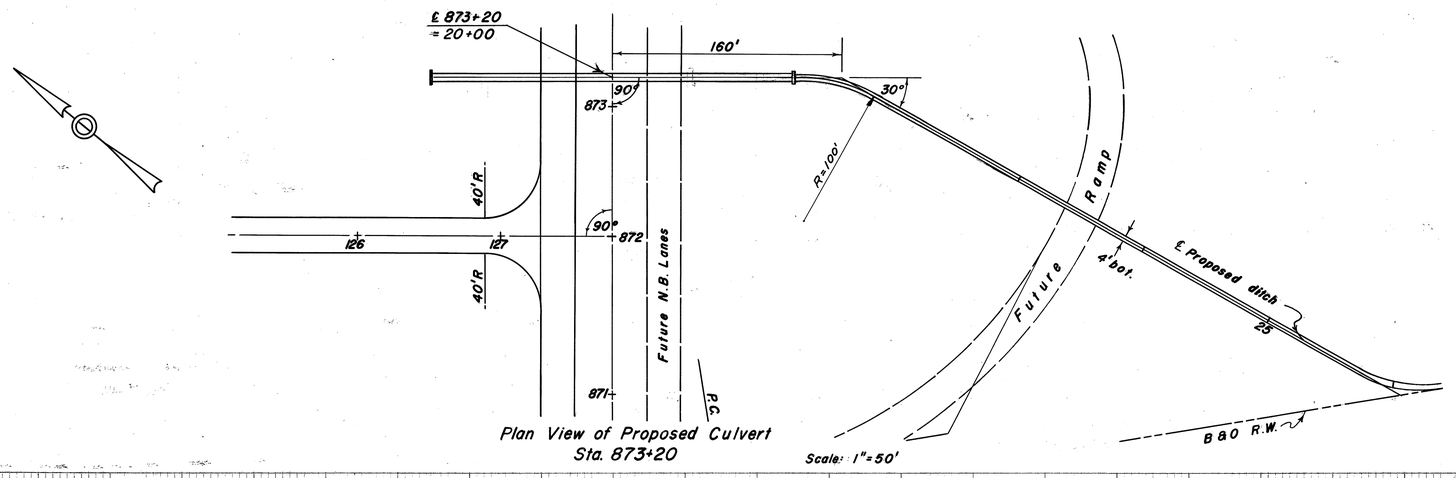
PIPE CULVERT - STA. 873+20

PIPE CULVERTS - STA. 934+80 & STA. 873+20

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

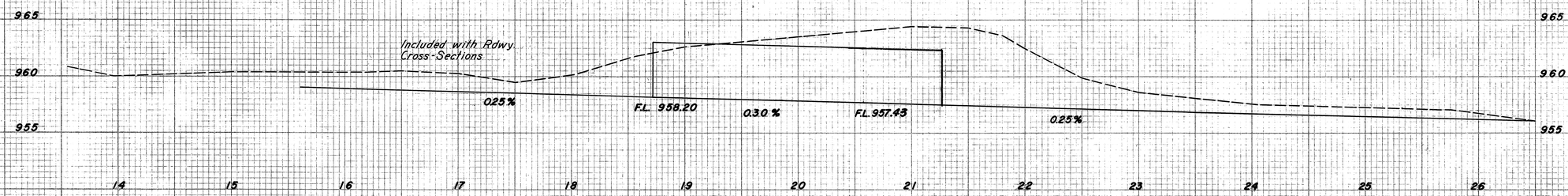
227
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



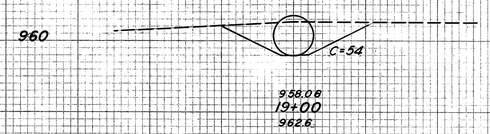
Plan View of Proposed Culvert
Sta. 873+20

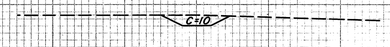
Scale: 1"=50'



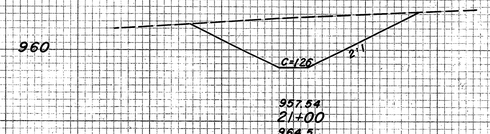
Proposed Culvert
Sta. 873+20
Scale: 1"=50' Hor.
1"=5' Vert.

Begin Channel Exc. Sta. 18+72

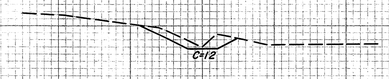


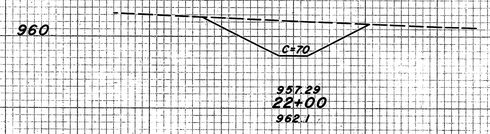












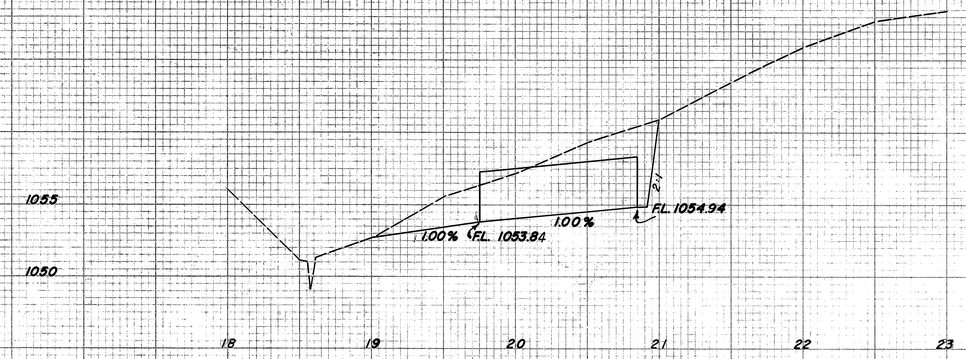
Channel Excavation = 1378 Cu. Yd.

OUTLET DITCH Sta. 873+20

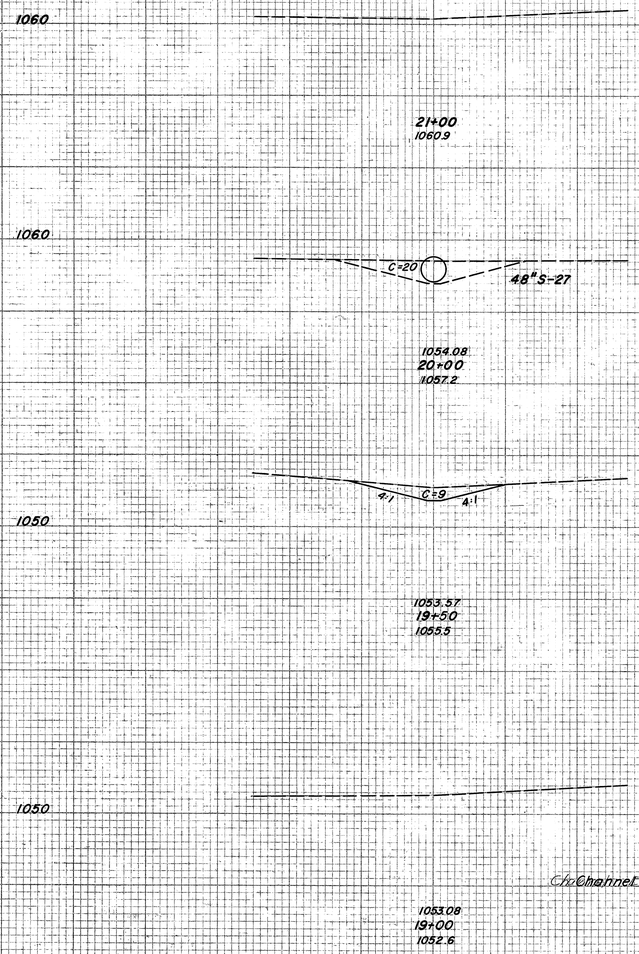
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

228
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



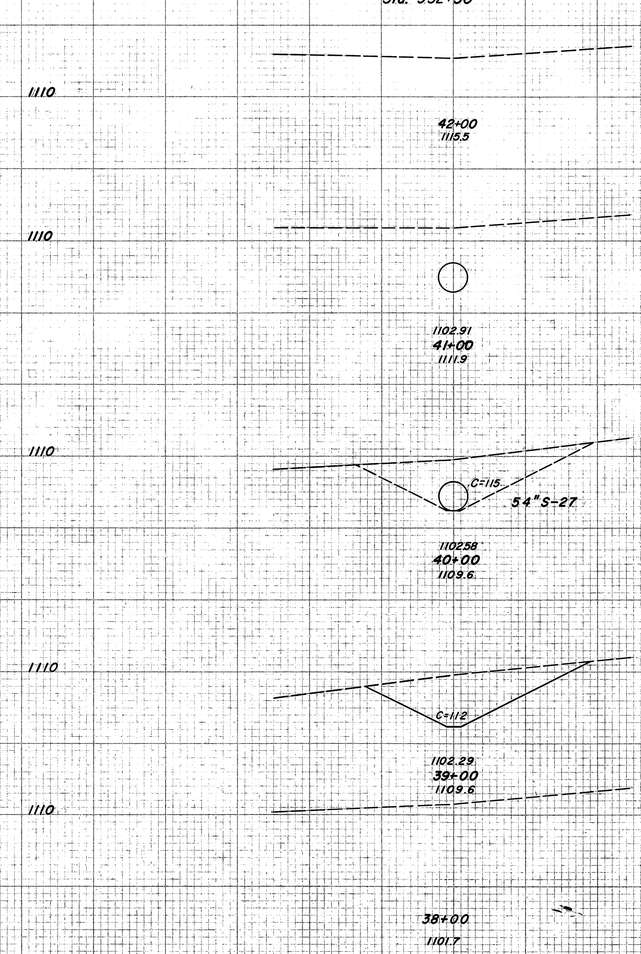
Proposed Culvert
Sta. 934+80



Ch. Channel Excavation 2222 Cu. Yds.



Proposed Culvert
Sta. 952+50



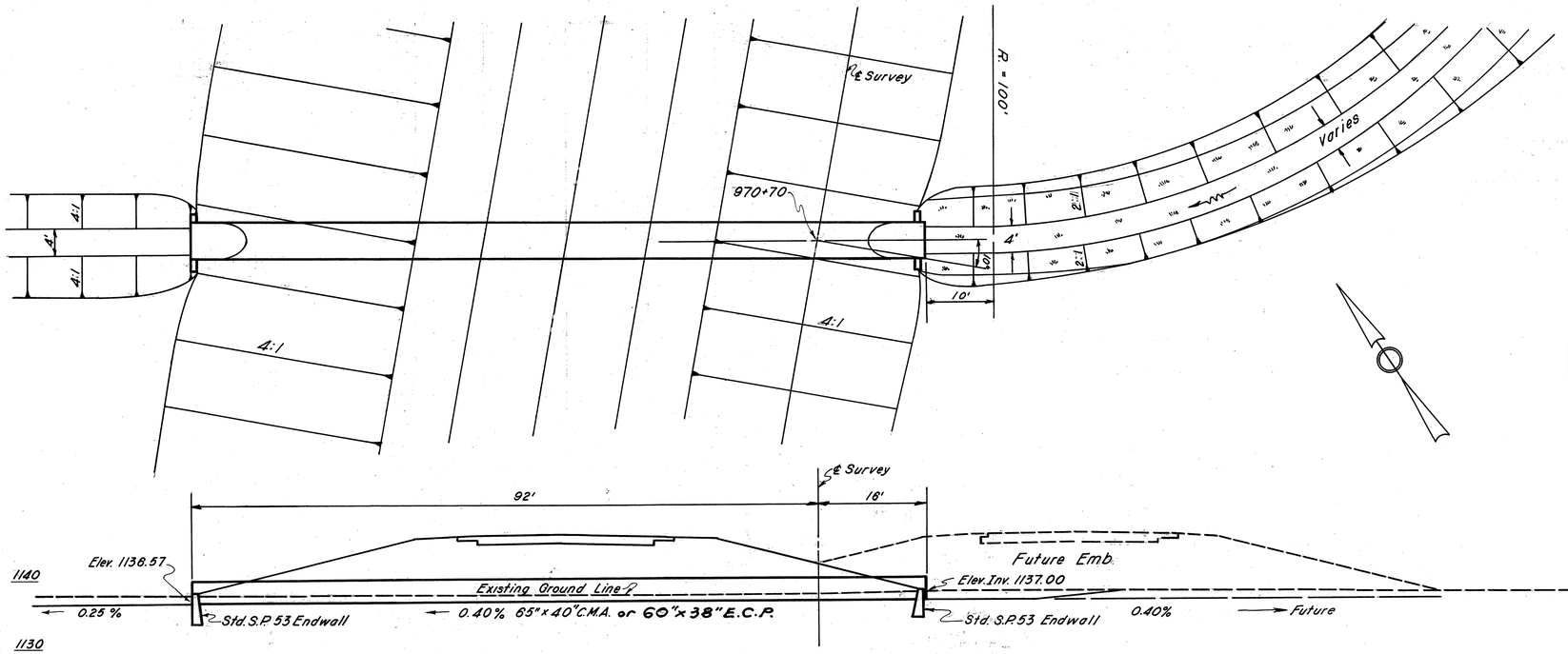
Ch. Channel Excavation 496 Cu. Yds.

OUTLET DITCHES-Sta. 934+80 and Sta. 952+50

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

229
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



Scale: 1"=10'

CULVERT DATA

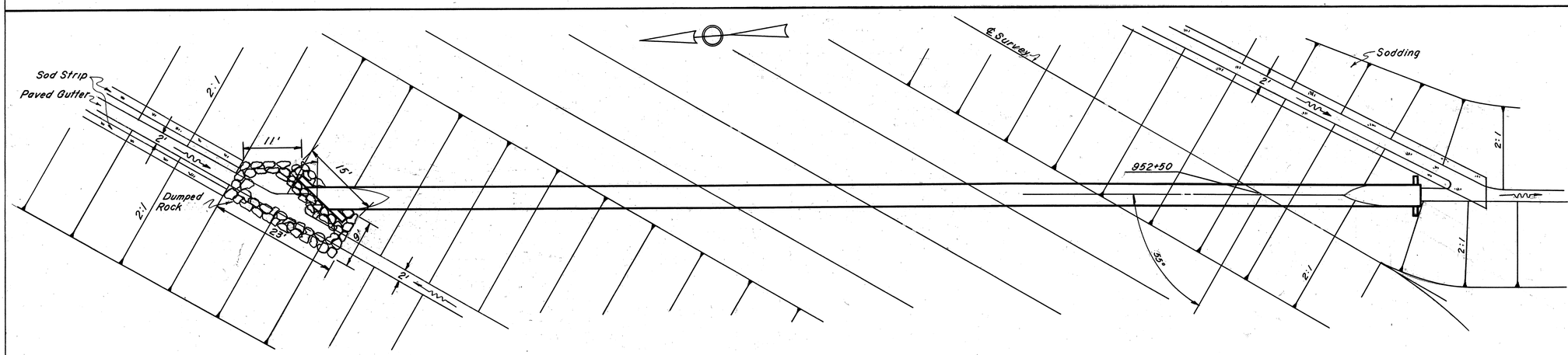
TYPE - Pipe Culvert S-27, P.C. 3 & S.P.-53;
SIZE - 65"x40"x108' C.M.A. or 60"x38"x108' E.C.P.
WORK REQ'D. - Build a [illegible] Pipe Arch with
Std. S.P.53 Endwalls, Recess Endwall
Rt. Side 6". Excavate inlet and outlet Channel

Area = 60 acres
Q25 = 112 c.f.s.

ESTIMATED QUANTITIES

E-2	Excavation for Structures	69	C.Y.
E-3	Channel Excavation	258	C.Y.
S-1	Concrete for Structures Class E	4.3	C.Y.
S-27	65"x40" C.M.A. Sec. 6.4(i)(d) or 60"x38" E.C.P. Sec. M-206.6(b) for Rdwy. Culverts	108	L.F.

PIPE CULVERT STA 970+70

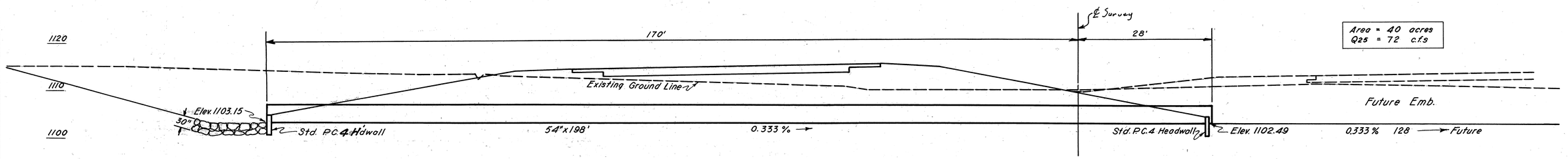


CULVERT DATA

TYPE - Pipe Culvert S-27, P.C. 3 & 4
SIZE - 54"x198'
WORK REQ'D. - Build a Pipe Culvert with
Std. P.C.4 Endwalls, Recess
Endwall Rt. side 6". Place
Dumped Rock Lt. as shown

ESTIMATED QUANTITIES

E-2	Excavation for Structures	554	C.Y.
E-3	Channel Excavation	496	C.Y.
S-1	Concrete for Structures Class E	1.7	C.Y.
S-27	54" Pipe for Roadway Culverts	198	L.F.
I-10	Dumped Rock	25	C.Y.



Area = 40 acres
Q25 = 72 c.f.s

Scale: 1"=10'

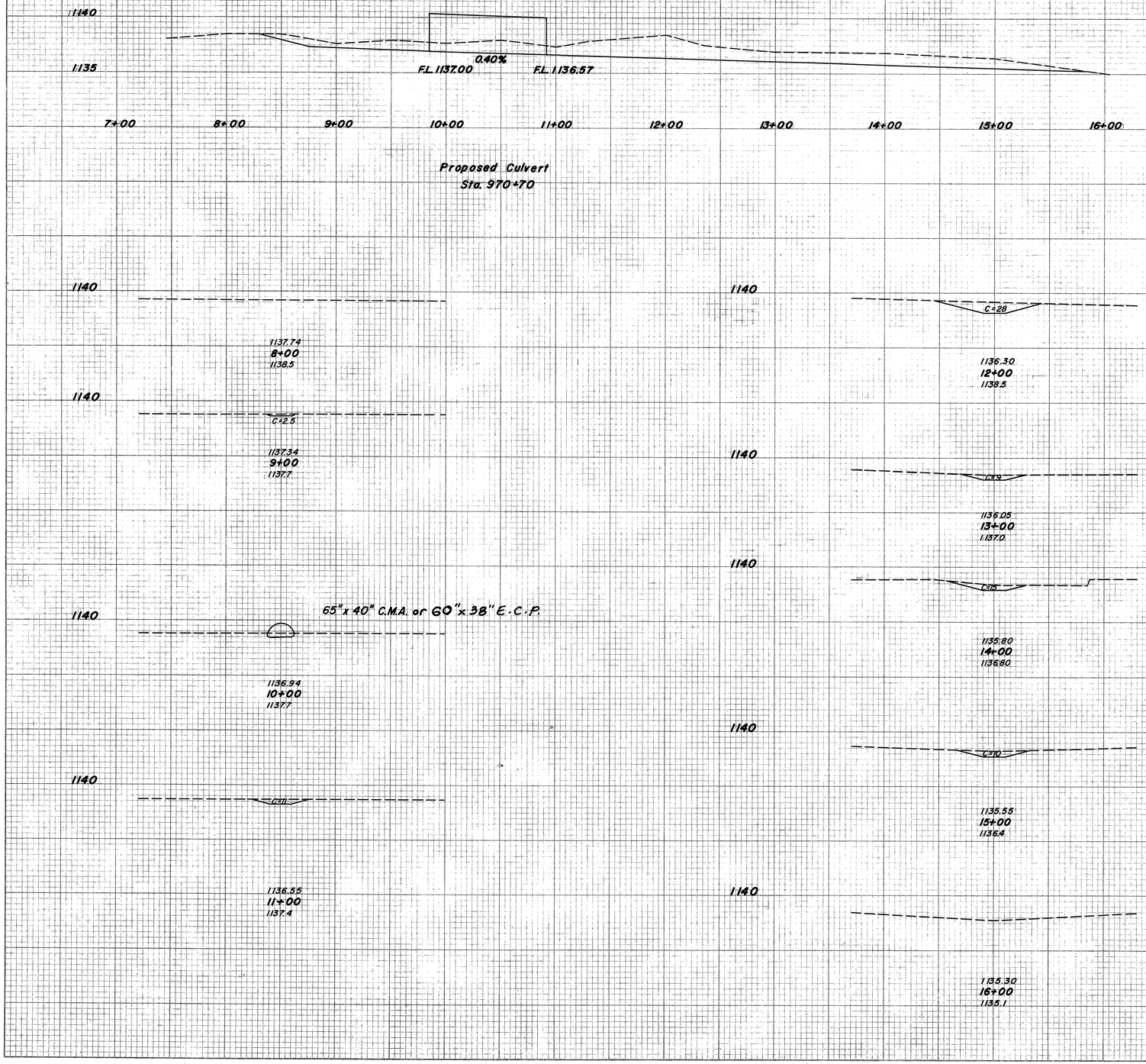
PIPE CULVERT STA 952+50

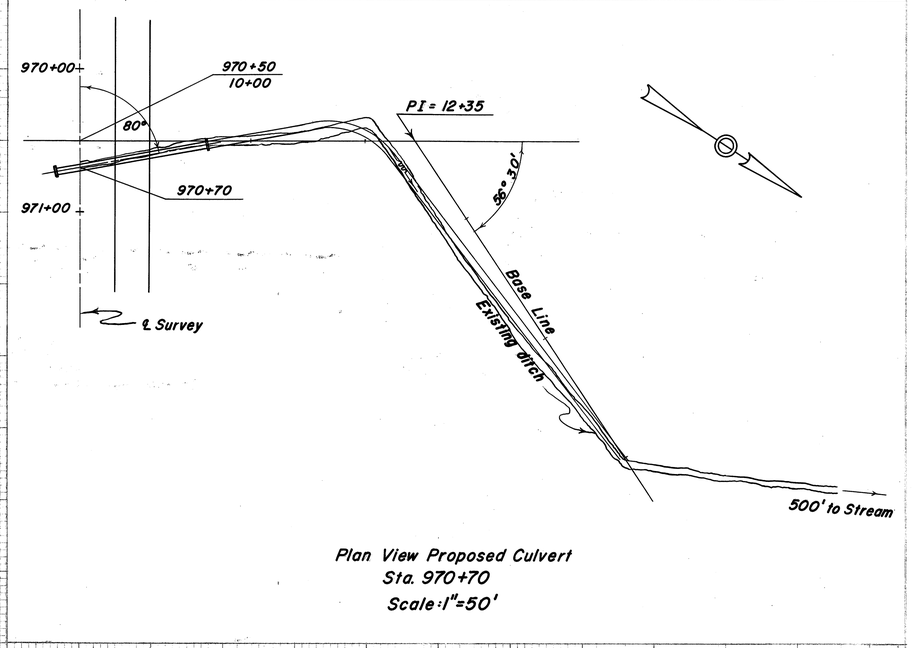
PIPE CULVERT - STA. 970+70 & STA. 952+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

230
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00





Plan View Proposed Culvert
Sta. 970+70
Scale: 1"=50'

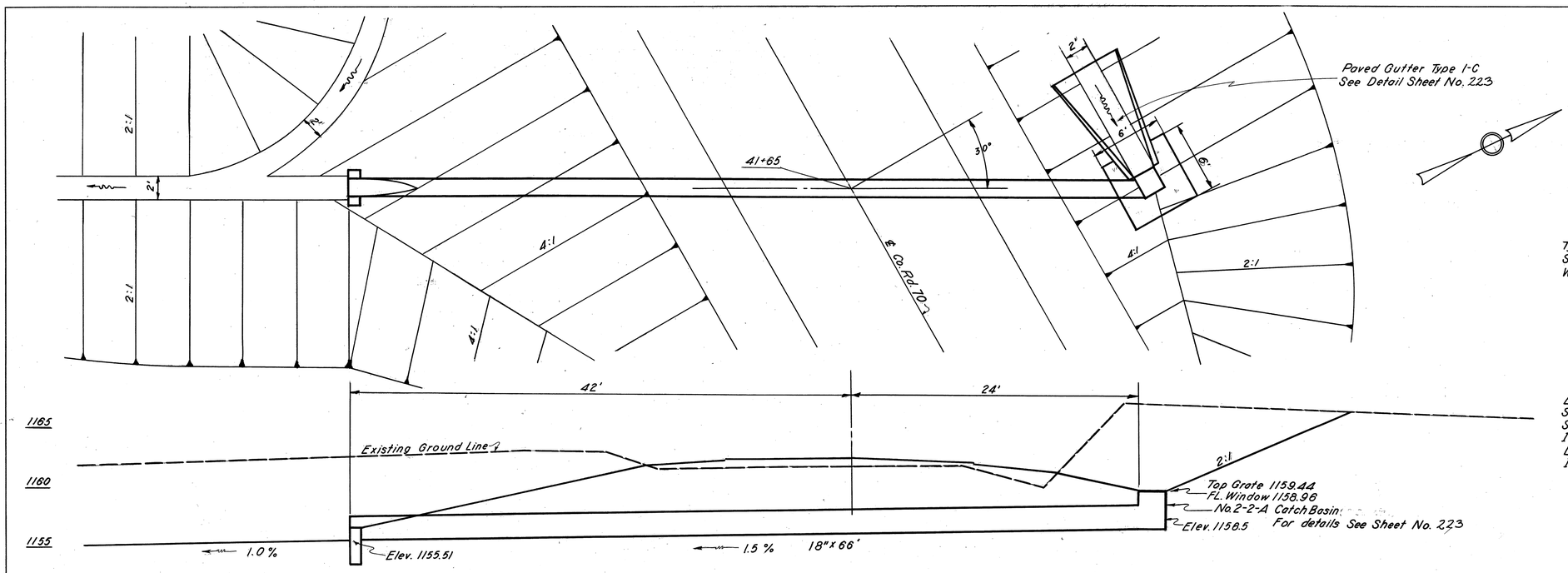
Channel Excavation 258 Cu. Yds.

OUTLET DITCH Sta. 970+70

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

231
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



Scale: 1" = 5'

CULVERT DATA

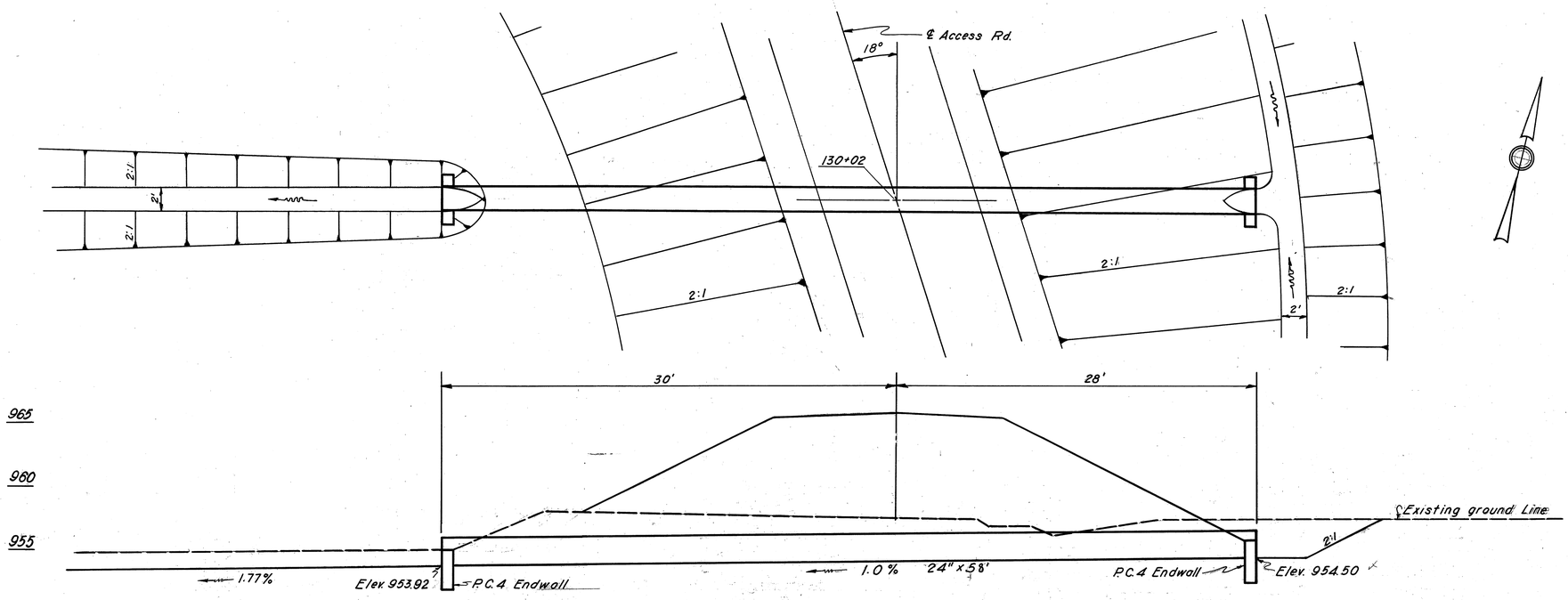
Type : Pipe Culvert S-27 P.C. 3 & 4 ℄ 2-2-A CB
Size : 18"x66'
Work Req'd: Build a Pipe Culvert with Std. P.C. 4 endwall on Lt. and No. 2-2A C.B. on Rt. Place sod on Rt. as shown

ESTIMATED QUANTITIES

E-2	Excavation for Structures	30	C.Y.
S-1	Concrete for Structures Class E	0.6	C.Y.
S-27	18" Pipe for Roadway Culverts	66	L.F.
I-8	No. 2-2-A Catch Basin (modified)	1	ea.
L-10	Sodding	2	S.Y.
I-14	Paved Gutter Type 1-C	10	L.F.

Area = 1.1 acres
Q25 = 4.8 c.f.s.

PIPE CULVERT; STA. 41+65 CO. RD. 70



Scale: 1" = 5'

CULVERT DATA

Type : Pipe Culvert S-27 P.C. 3 & 4
Size : 24x64'
Work Req'd. : Build a Pipe Culvert with Std. P.C. 4 Endwalls. Excavate inlet and outlet Channels, as shown

ESTIMATED QUANTITIES

E-2	Excavation for Structures	37 C.Y.
E-3	Channel Excavation	40 C.Y.
S-27	24" Pipe for Roadway Culverts	58 L.F.
S-1	Concrete for Structures, Class E	0.8 C.Y.

Area = 5.0 acres
Q25 = 12.0 c.f.s.

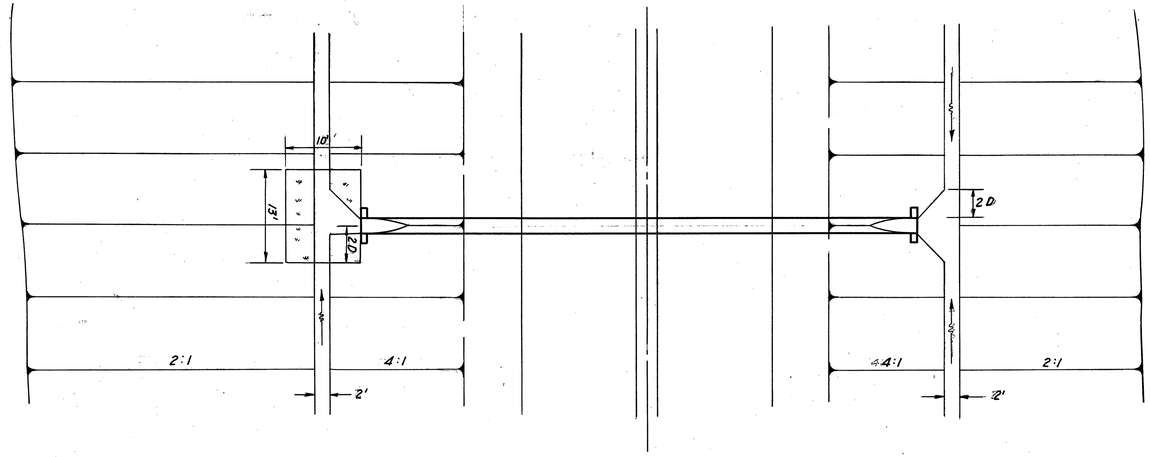
PIPE CULVERT, STA. 130+02 ACCESS RD. 548 & B.&O. R.R.

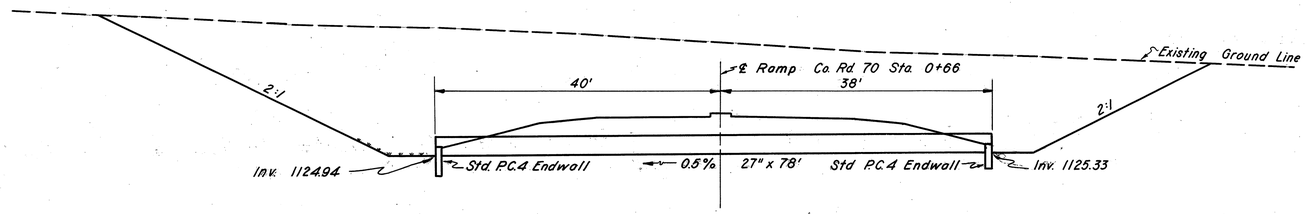
PIPE CULVERTS - STA. 41+65 Co. Rd. 70 & STA. 130+02 Access Rd. 548 & B & O R.R

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

232
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00





Scale 1" = 10'-0"

CULVERT DATA

TYPE - Pipe Culvert S-27 P.C. 3&4
SIZE - 27" x 78"
WORK REQ'D. - Build a pipe Culvert with Std. P.C.-4 Endwalls Rt. & Lt. Place Sodding on Right as shown

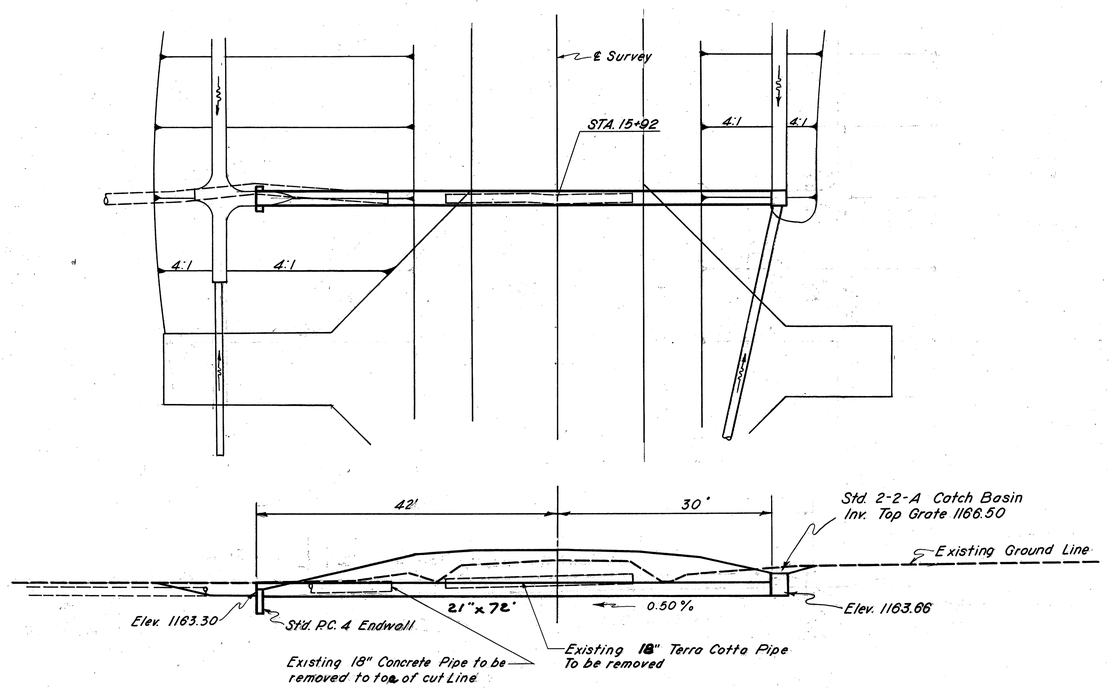
ESTIMATED QUANTITIES

E-2	Excavation for Structures	53 C.Y.
L-10	Sodding	14 S.Y.
S-1	Concrete for Structures Class E	1 C.Y.
S-27	27" Pipe for Roadway Culverts, Sec. M-6.4(b) or M-6.8(b)	78 L.F.

Area = 5.71 acres
Q25 = 14.7 c.f.s.

PIPE CULVERT STA. 0+66 RAMP CO. RD. 70





Scale 1" = 10'-0"

CULVERT DATA

TYPE - Pipe Culvert S-27 P.C. 3 & 4
SIZE - 21" x 78'
WORK REQ'D - Build a Pipe Culvert with Std. P.C. 4 Endwalls Rt. & Lt. Remove Existing Culverts as shown

ESTIMATED QUANTITIES

E-2	Excavation for Structures	36 C.Y.
E-12	Removal of Pipe	59 L.F.
S-1	Concrete for Structures Class E	0.7 C.Y.
S-27	21" Pipe for Roadway Culverts	72 L.F.
I-8	Std. 2-2-A Catch Basin	1 ea.

Area = 10 acres
Q25 = 15 c.f.s.

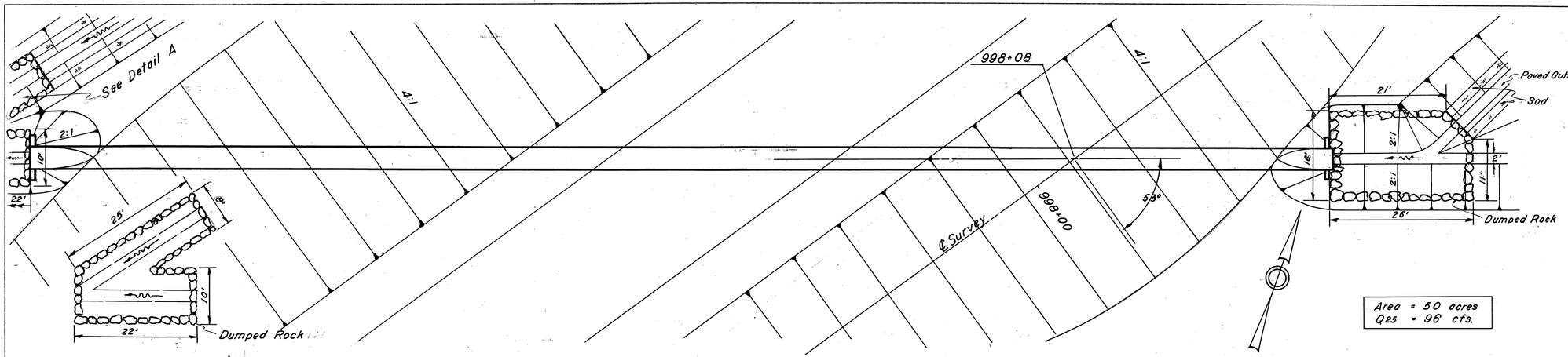
PIPE CULVERT STA. 15+92 CO. RD. 253

PIPE CULVERT STA. 15+92 CO. RD. 253 & STA. 0+66 RAMP CO. RD. 70

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

233
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

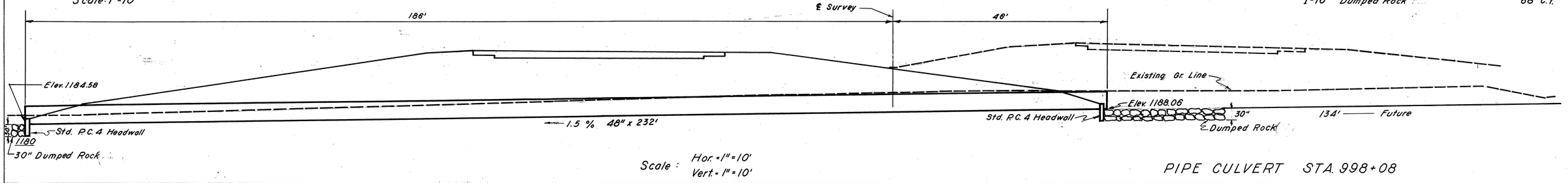


CULVERT DATA

TYPE - Pipe Culvert S-27 P.C. 3 & 4
SIZE - 48" x 232'
WORK REQ'D - Build a Pipe Culvert with Std. P.C.4 Endwalls. Recess Endwall Rt. side 6" Place Dumped Rock Rt. & Lt. as shown. Excavate inlet and outlet Channel

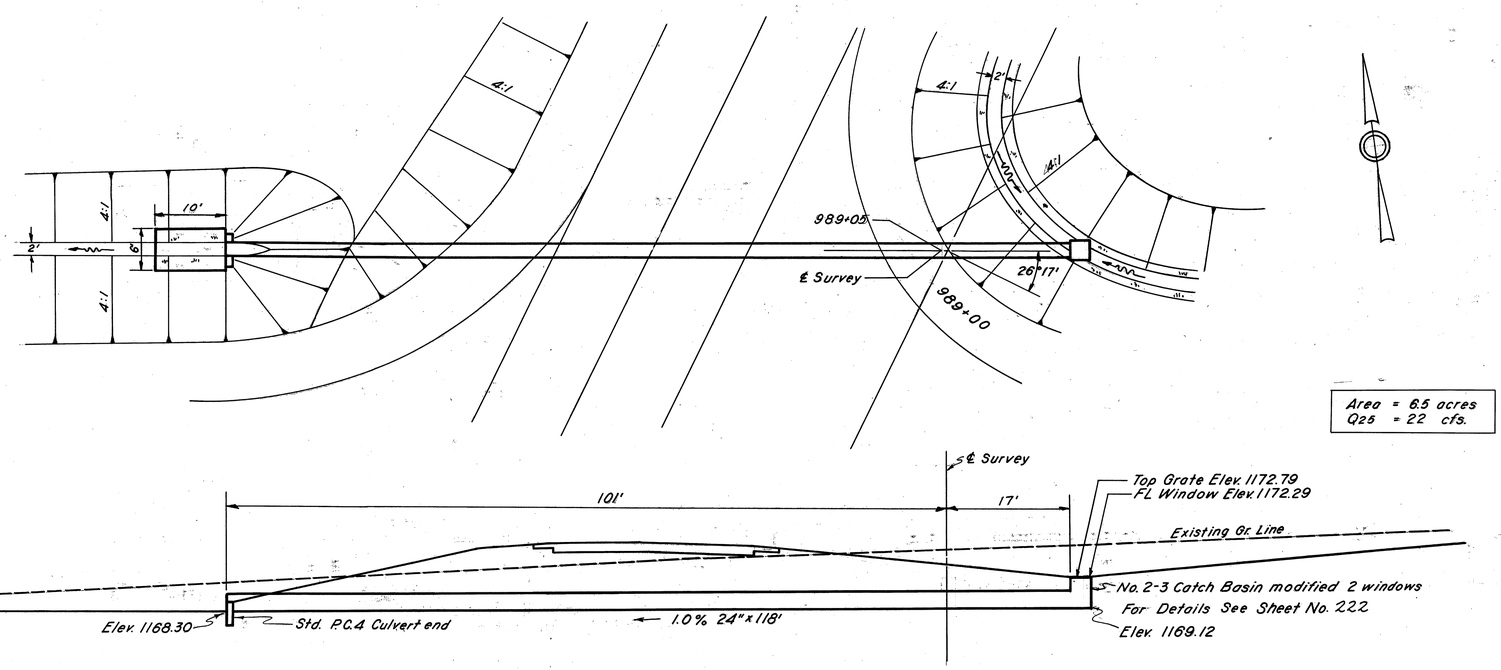
ESTIMATED QUANTITIES

E-2	Excavation for Structures	317	C.Y.
E-3	Channel Excavation	266	C.Y.
S-1	Concrete for Structures Class E	1.7	C.C.Y.
S-27	48" Pipe for Roadway Culvert	232	L.F.
I-10	Dumped Rock	68	C.Y.



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

PIPE CULVERT STA. 998+08



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

CULVERT DATA

TYPE - Pipe Culvert S-27, P.C. 3 & 4
SIZE - 24" x 118'
WORK REQ'D - Build a Pipe Culvert with No. 2-3 Catch Basin modified with Std. P.C.4 Endwall Excavate outlet Channel. Place Sod at outlet end as shown

ESTIMATED QUANTITIES

E-2	Excavation for Structures	130	C.Y.
E-3	Channel Excavation	49	C.Y.
S-1	Concrete for Structures Class E	0.5	C.Y.
L-10	Sodding	7	Sq.Yd.
*S-27	24" Pipe for Roadway Culverts	118	L.F.
I-8	No. 2-3 Catch Basin modified	1	Ea.

* Sec. M-6.6(b) or M-6.8(b)

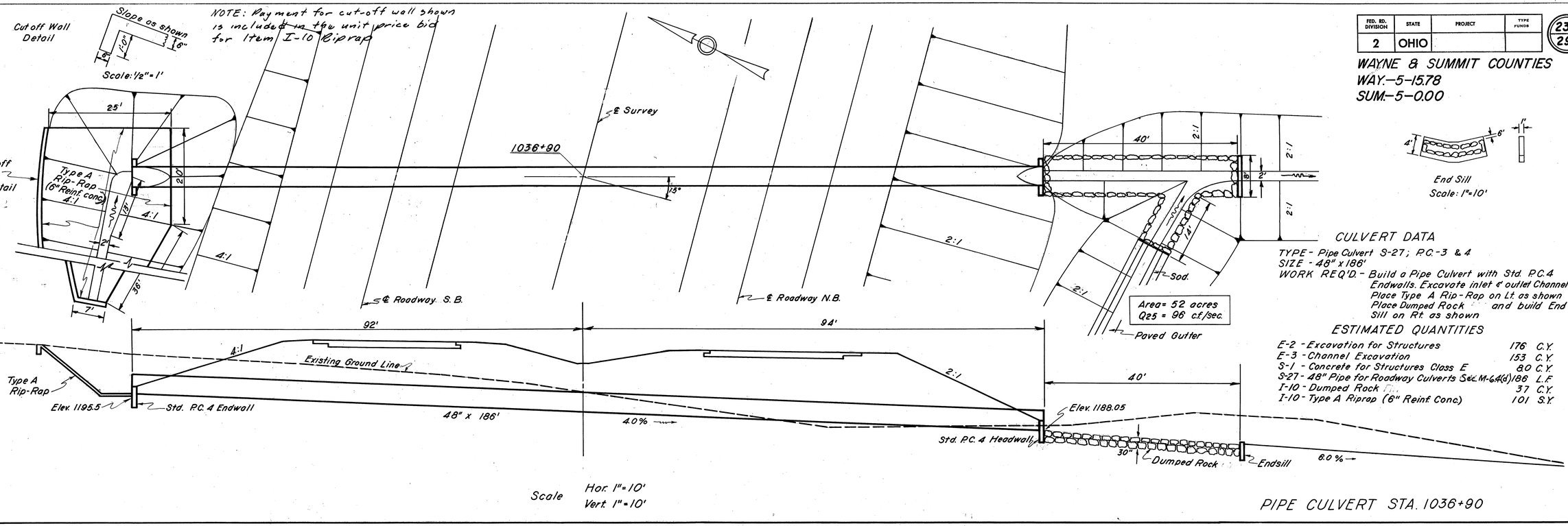
PIPE CULVERT STA 989+05

PIPE CULVERTS - STA. 998+08 & STA. 989+05

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

234
291

WAYNE & SUMMIT COUNTIES
WAY.–5–15.78
SUM.–5–0.00



Area = 52 acres
Q_{25} = 96 c.f./sec.

CULVERT DATA

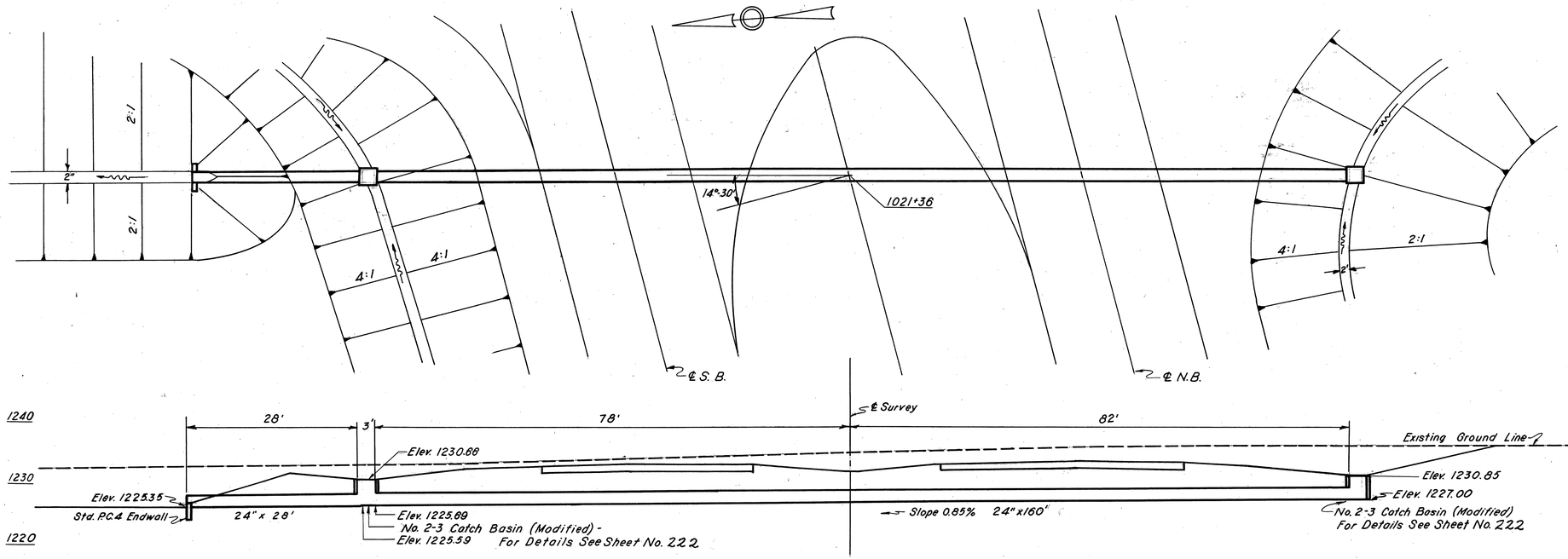
TYPE - Pipe Culvert S-27; P.C.-3 & 4
SIZE - 48" x 186'
WORK REQ'D. - Build a Pipe Culvert with Std. P.C.4 Endwalls. Excavate inlet & outlet Channel Place Type A Rip-Rap on Lt. as shown Place Dumped Rock and build End Sill on Rt. as shown

ESTIMATED QUANTITIES

E-2	Excavation for Structures	176 C.Y.
E-3	Channel Excavation	153 C.Y.
S-1	Concrete for Structures Class E	80 C.Y.
S-27	48" Pipe for Roadway Culverts Sec. M-6.4(d)	186 L.F
I-10	Dumped Rock	37 C.Y.
I-10	Type A Riprap (6" Reinf. Conc)	101 S.Y.

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

PIPE CULVERT STA. 1036+90



CULVERT DATA

TYPE - Pipe Culvert S-27, P.C. 3 & 4 & I-8 C.B. 2-3 & 2-4
SIZE - 24" x 160' & 24" x 28'
WORK REQ'D. - Build a Pipe Culvert with Std. P.C.4 Endwall on Lt and 2 Type 2-3 C.B. modified as shown. Excavate outlet channel as shown.

ESTIMATED QUANTITIES

E-2	Excavation for Structures	122 C.Y.
S-1	Concrete for Structures Class E	0.4 C.Y.
* S-27	24" Pipe for Roadway Culverts	188 L.F
I-8	No. 2-3 Catch Basin (Modified)	2 Each.
E-3	Channel Excavation	156 C.Y.

* Sec. M-6.6(b) or Sec. M-6.8(b)

Area = 7 Ac.
Q_{25} = 16 c.f.s.

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

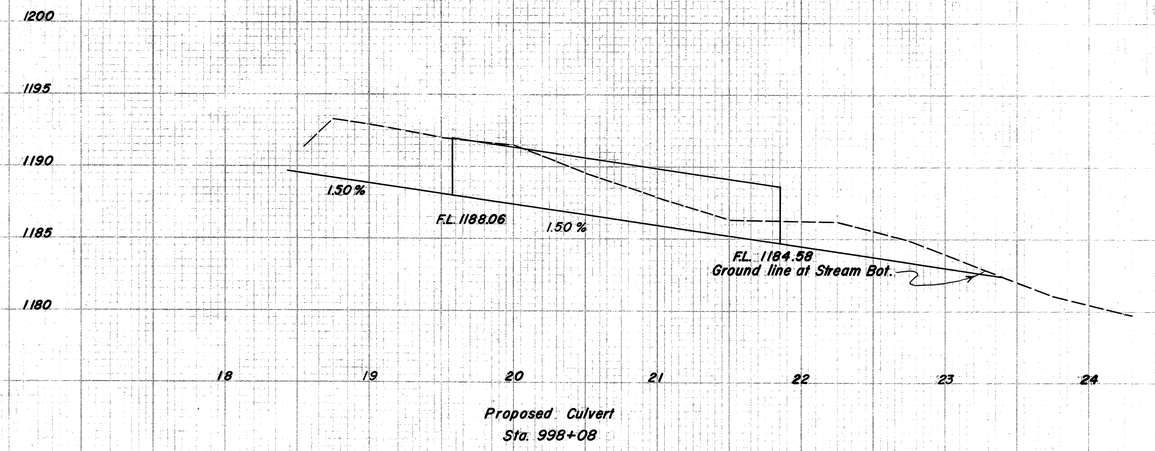
PIPE CULVERT STA. 1021+36 & Co. Rd. 209

PIPE CULVERTS:- STA. 1036+90 & STA. 1021+36

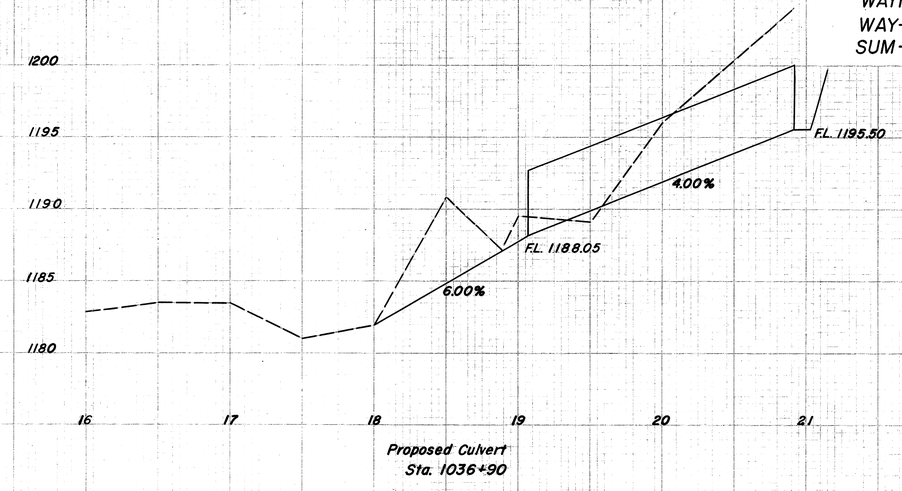
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

235
291

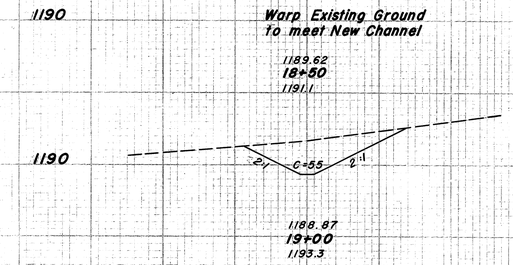
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



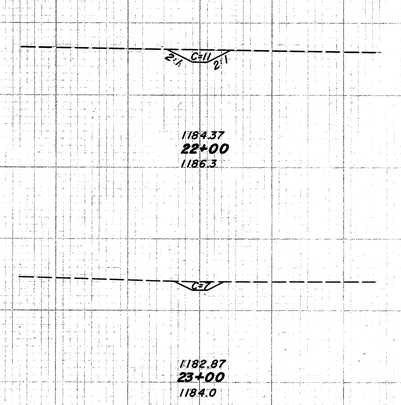
Proposed Culvert
Sta. 998+08

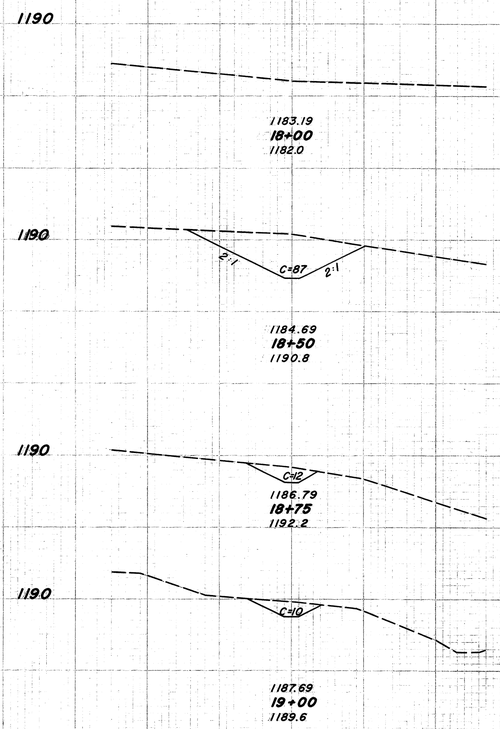


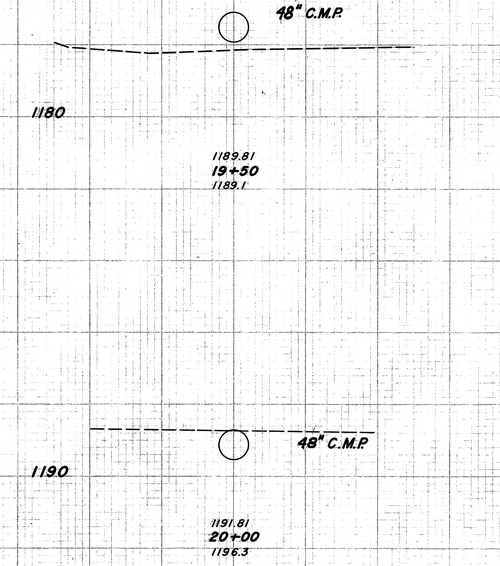
Proposed Culvert
Sta. 1036+90



Channel Excavation 156 Cu. Yds.







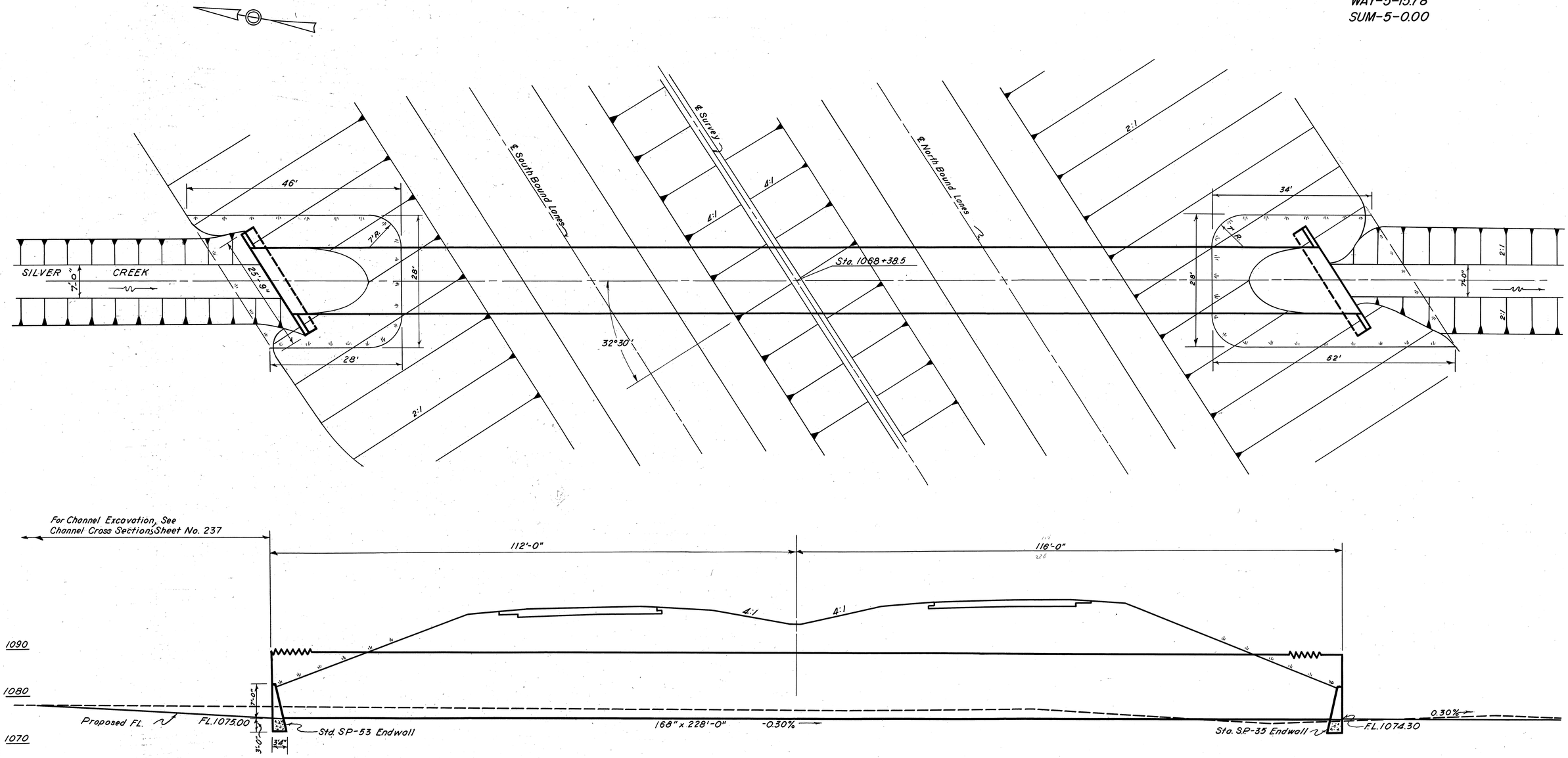
Channel Excavation 153 Cu. Yds.

OUTLET DITCHES

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

236
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



CULVERT DATA

TYPE - S-28 Sectional Corrugated Metal Pipe Culvert SP-53
SIZE - 168" x 228'
WORK REQ'D - Build a Sectional Corrugated Metal Pipe Culvert with Std. SP.53 Endwalls. Excavate channel as shown. Place sodding on Rt. and Lt.

ESTIMATED QUANTITIES

E-2	Excavation for Structures	276 C.Y.
E-3	Channel Excavation	171 C.Y.
S-1	Concrete for Structures, Class E	39.9 C.Y.
S-28	168" Sectional Corrugated Metal Pipe, 5-3 gage	228 L.F.
L-10	Sodding	249 S.Y.

Area = 2060 Ac.
Q25 = 950 cfs.

Scale: 1" = 10'

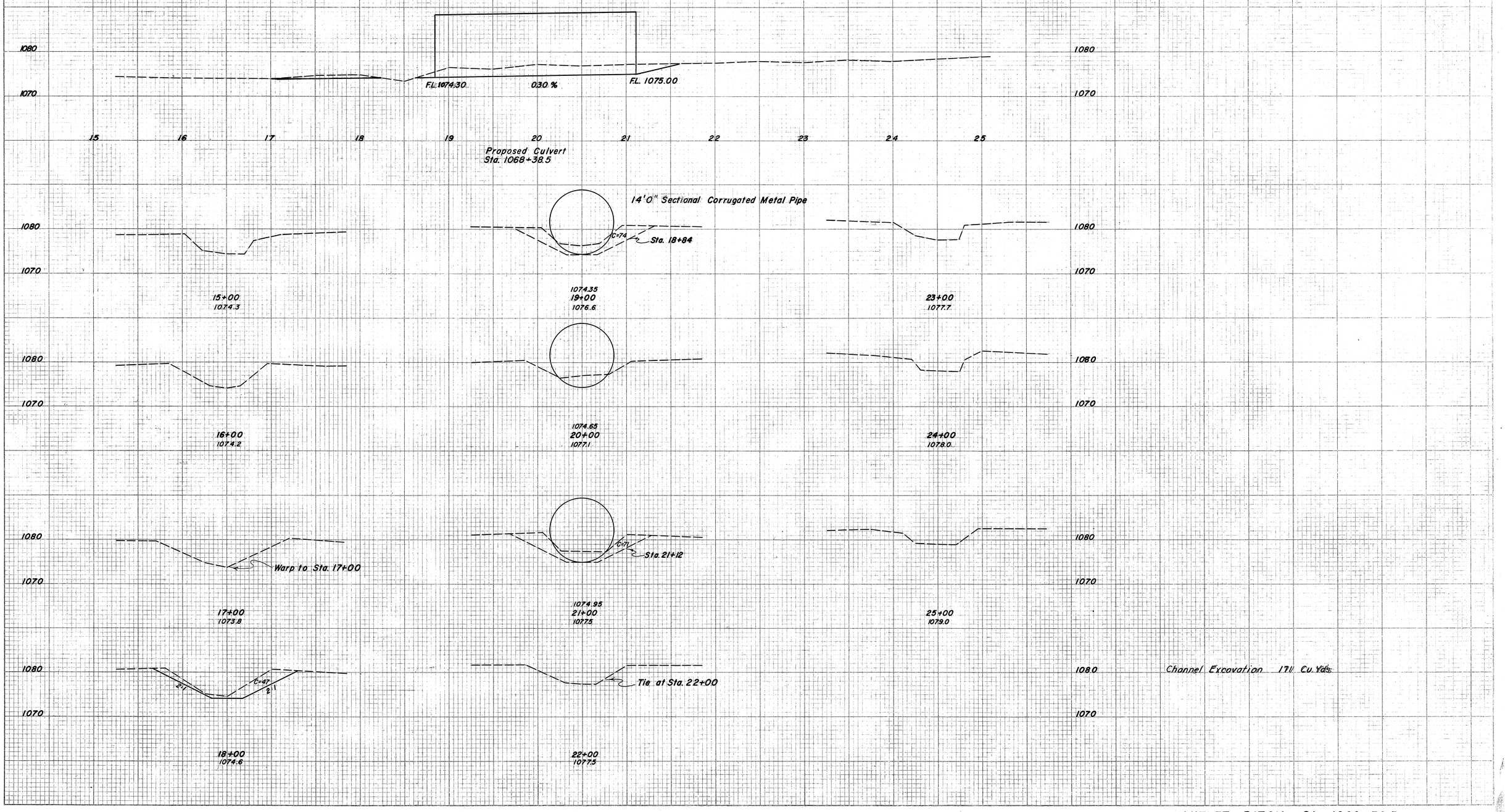
PIPE CULVERT STA. 1068+38.5

PIPE CULVERT STA. 1068+38.5

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

237
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

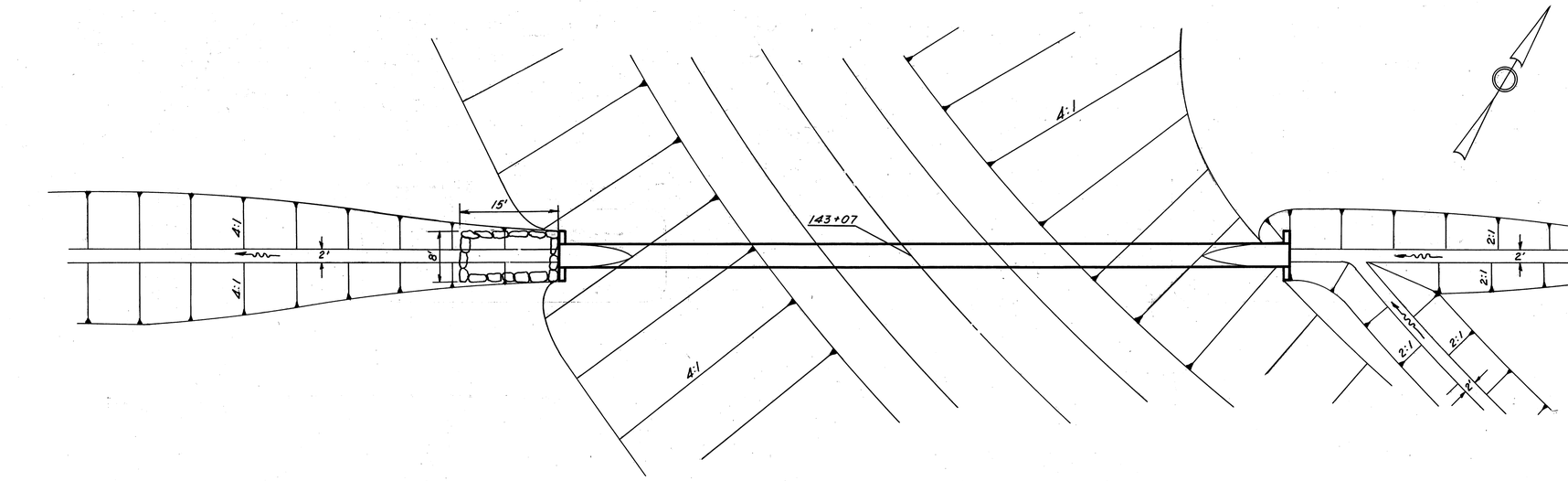


OUTLET DITCH Sta. 1068+38.5

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

238
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



Area = 38 acres
Q25 = 70 cfs.

CULVERT DATA

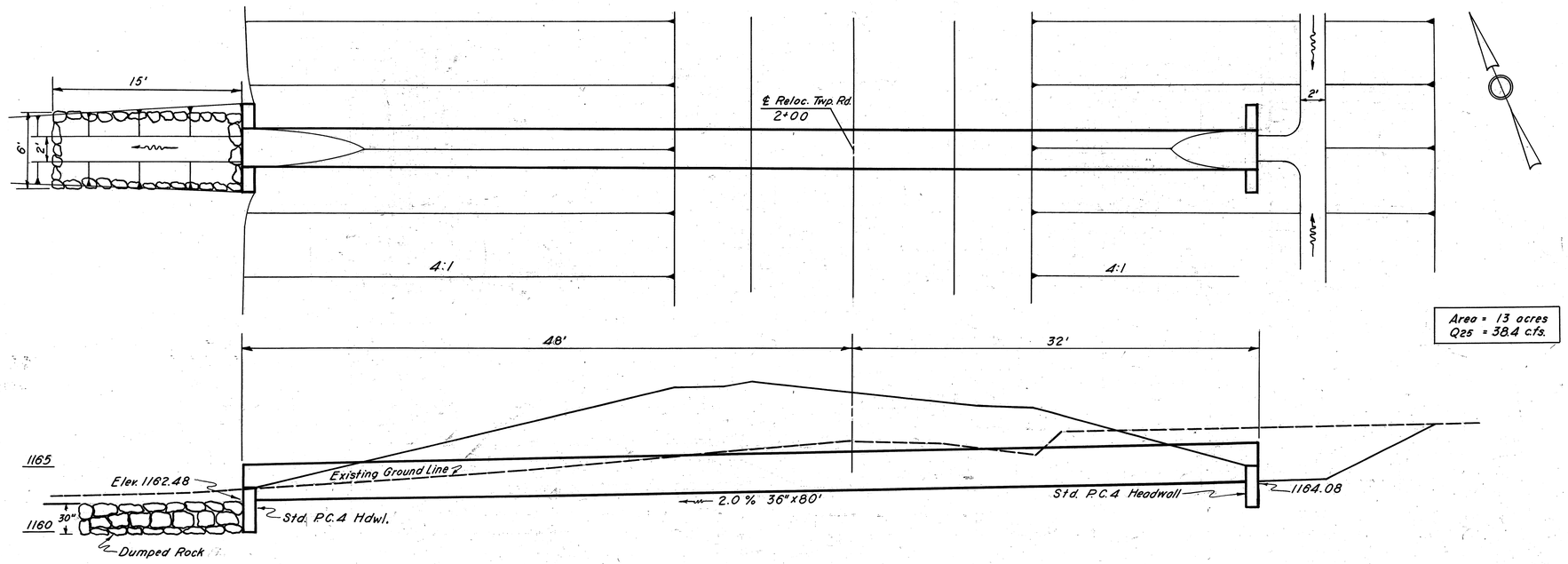
TYPE - Pipe Culvert - S-27, P.C. 3 & 4
SIZE - 42" x 112'
WORK REQ'D. - Build a Pipe Culvert with Std. P.C.4 Endwalls. Excavate inlet and outlet Channel. Place Dumped Rock as shown

ESTIMATED QUANTITIES

E-2	Excavation for Structures	73 C.Y.
E-3	Channel Excavation	31 C.Y.
S-1	Concrete for Structures Class E	1.5 C.Y.
S-27	42" Pipe for Roadway Culvert	112 L.F.
I-10	Dumped Rock	11 C.Y.

Scale: 1" = 10'

PIPE CULVERT STA 143+07 Co. Rd. 55



Area = 13 acres
Q25 = 38.4 c.f.s.

CULVERT DATA

TYPE - Pipe Culvert S-27 P.C. 3 & 4
SIZE - 36" x 80'
WORK REQ'D - Build a Pipe Culvert with Std. P.C. 4 Endwalls Place Dumped Rock as shown Excavate outlet Channel

ESTIMATED QUANTITIES

E-2	Excavation for Structures	65 C.Y.
E-3	Channel Excavation	24 C.Y.
S-1	Concrete for Structures Class E	0.8 C.Y.
S-27	36" Pipe for Roadway Culverts	80 L.F.
I-10	Dumped Rock	9 C.Y.

Scale: Vert. - 1" = 5'
Hor. - 1" = 5'

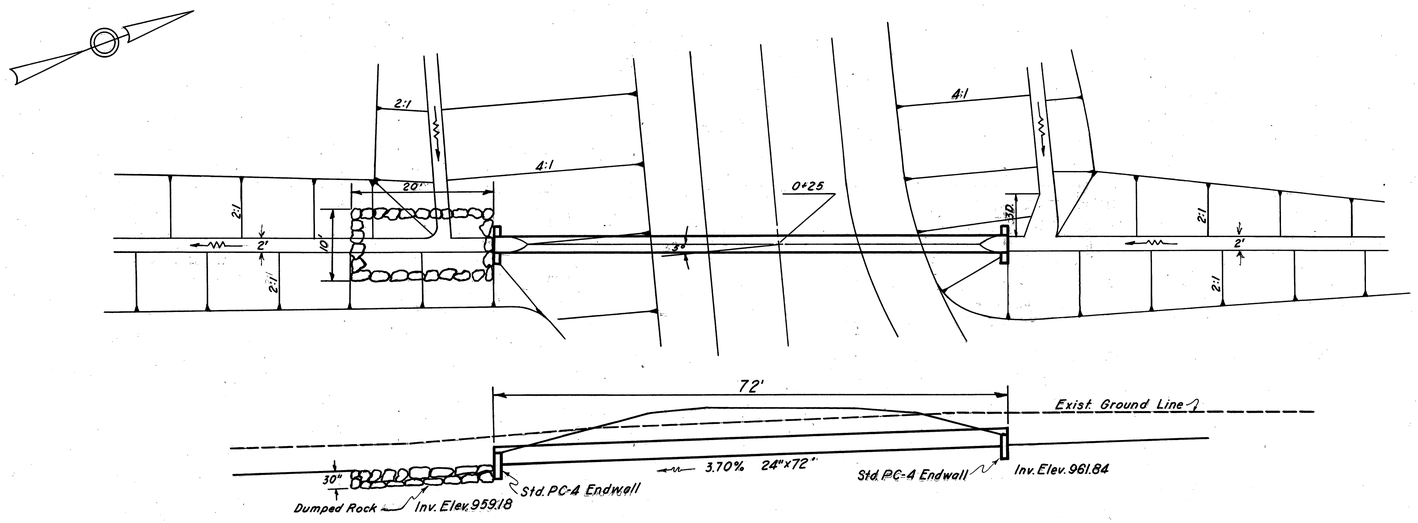
PIPE CULVERT STA. 2+00 Twp. Rd. 100

PIPE CULVERTS - STA. 143+07 Co. Rd. 55 & STA. 2+00 Twp. Rd. 100

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

239
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



CULVERT DATA

TYPE Pipe Culvert S-27 PC-3&4
SIZE 24"x72'
WORK REQD. Build a pipe culvert with Std. PC-4 Endwalls. Place Dumped Rock on Lt. as shown

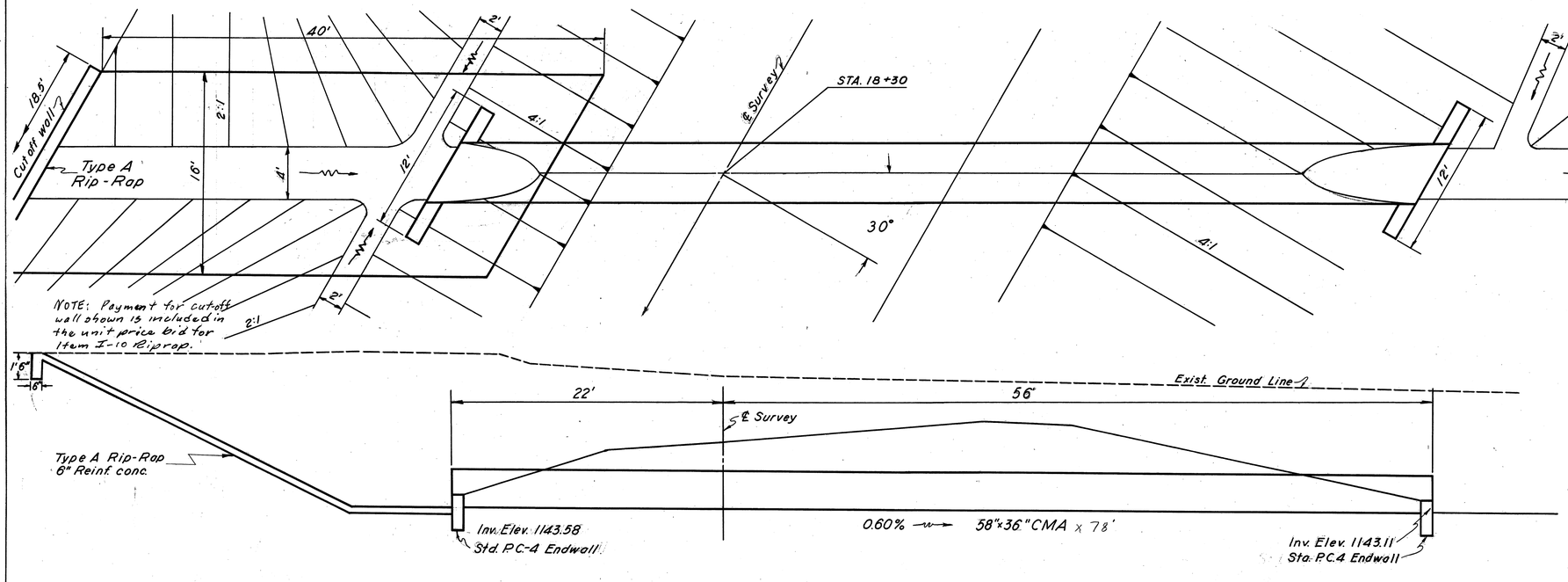
Area = 13 acres
Q_{25} = 27cfs

ESTIMATED QUANTITES

E-2	Excavation for structures	46 cy.
S-1	Concrete for structures, Class E	0.8 cy.
S-27	24" Pipe for Roadway culverts, m-6.4(d.)	72 lf.
I-10	Dumped Rock	19 cy

Pipe Culvert, EASTON CONNECTION STA 0+25

Scale: H-1"=10'
V-1"=10'



CULVERT DATA

TYPE Pipe Culvert S-27 PC 3&4
SIZE 58"x36" x 78'
WORK REQD. Build a pipe culvert with Std. PC-4 Endwalls. Place Type A Rip-Rap as shown on plan

Area = 35 acres
Q_{25} = 60 cfs

ESTIMATED QUANTITIES

E-2	Excavation for structures	83 cy.
S-1	Concrete for structures, Class E	4.5 cy.
S-27	Pipe for Roadway culverts 58"x36"CMA Class E	78 lf.
I-10	Type A Rip-Rap 6" Reinforced Concrete	71 s.y.
E-3	Channel Excavation	100 c.y.

Scale: H. 1"=5'
V 1"=5'

PIPE CULVERT- RAMP C, STA 18+30

PIPE CULVERTS- EASTON CONNECTION, STA. 0+25 & RAMP-C-STA. 18+30

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

240
291

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

Curve Data
P.I. Sta. 894+32.21
Δ = 23° 56' 00" Rt.
D = 1° 00'
R = 5729.58'
Lc = 2393.33'
T = 1214.40'
E = 127.25'

Heavy Woods
Clara Ewing
Cultivated Field
Fill with Waste Material
Dumped Rock Fill
Juanita C. & Joseph E. Marshall
MILL CREEK
Δ = 60° 00'
T = 72.17'
L = 130.90'
R = 125'
P.T. Sta. 23+48.90
P.C. Sta. 22+18.00
15" Ton
Branch
Abandoned Mill Race
Heavy Woods
Proposed Lane
℄ Survey 885
P.C. Sta. 882+17.81
Future Lane
OVER FLOW CHANNEL
890
Sta. 891+50
Sta. 20+00 Mill Creek
MILL CREEK
P.T. Sta. 18+92.00
P/L
Cultivated Field
Heavy Woods
V-ditch
Δ = 70° 00'
T = 87.53
L = 152.72'
R = 125'
P.C. Sta. 17+41.28
Clara Ewing
30'
Proposed Channel Change, Mill Creek
Juanita C. & Joseph E. Marshall
P.T. Sta. 10+61.60
P.C. Sta. 7+45.81
Δ = 30° 00'
D = 9° 30'
T = 161.60'
L = 315.79
R = 603.11'
ditch @ 2
ditch @ 3
Subdivision Street - Under Const.
ditch @ 2
ditch @ 1

℄ Sta. 891+50 U.S. 5
Sta. 20+00 Mill Creek

Scale: {Hor. = 1" = 50'
Vert. = 1" = 20'

953.58 953.73 953.88 954.03 954.18 954.33 954.48 954.63 954.78 954.93 955.08 955.23 955.38 955.53 955.68 955.83 955.98 956.13 956.28 956.43 956.58 956.73 956.88 957.03 957.18 957.33 957.48 957.63 957.78 957.93 958.08

980
970
960
950
940

Prop. Grade, Mill Creek Reloc. + 0.30 %

℄ Str. Channel Inv. Elev. 957.00

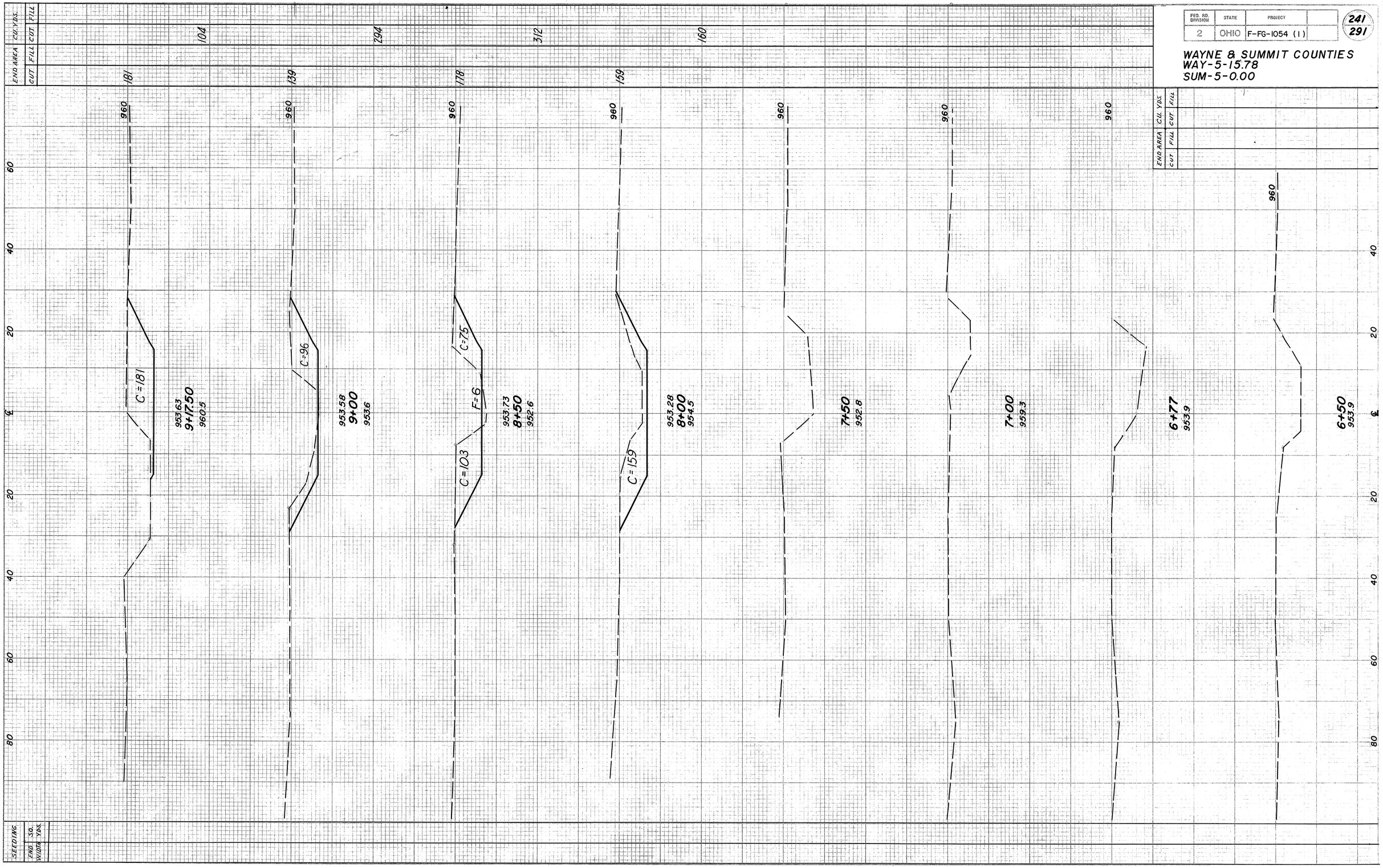
9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00

CHANNEL CHANGE - MILL CREEK

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

241
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



MILL CREEK CHANNEL CHANGE Sta. 6+50 to Sta. 9+17.50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

242
291

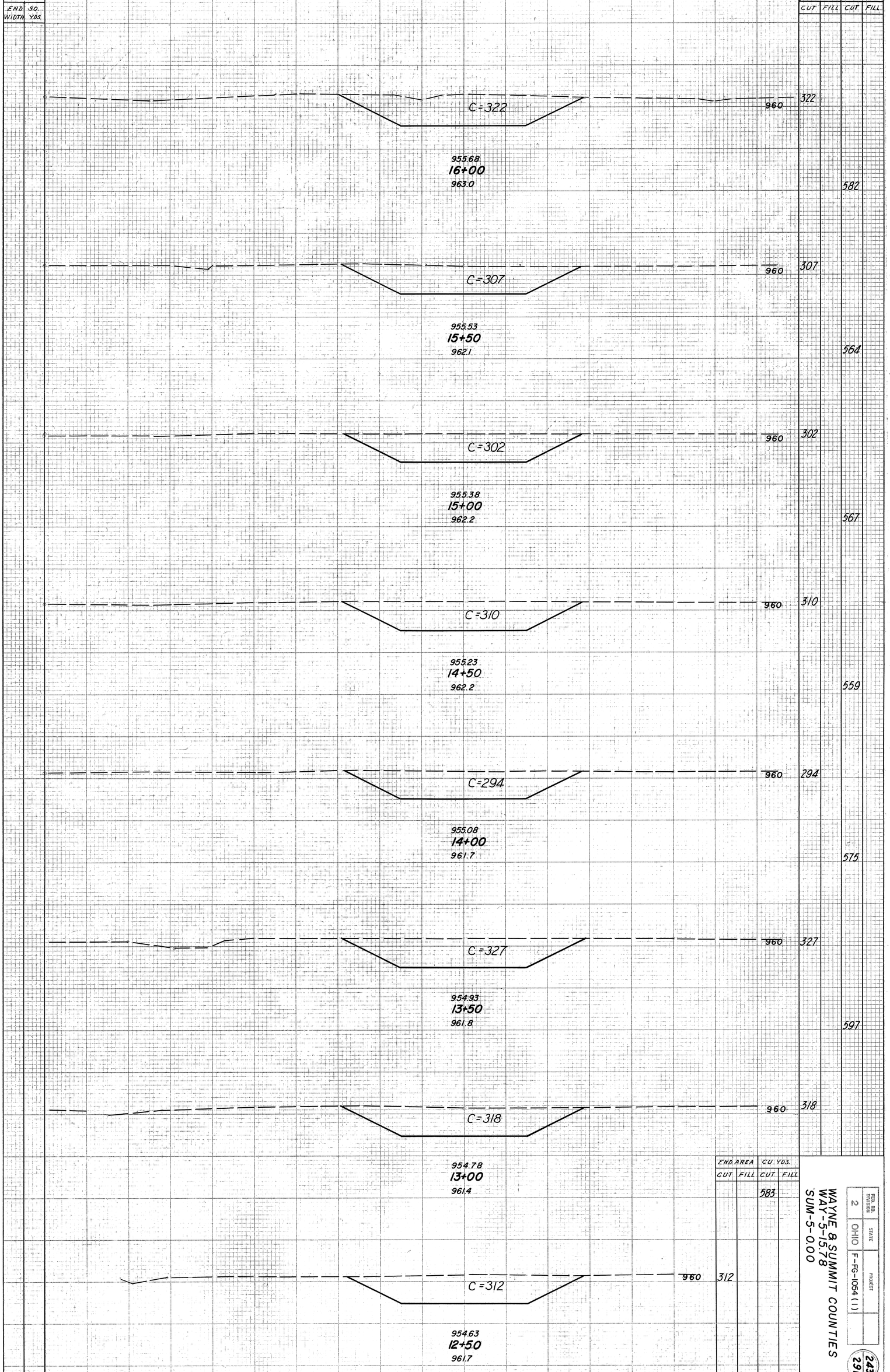
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
		519	286

SEEDING	
END WIDTH	SQ. YDS.

12+00	11+72	11+50	11+25	11+00	10+50	10+00	9+50
954.48	954.40	954.33	954.26	954.18	954.03	953.88	953.73
961.4	961.2	959.4	960.2	960.7	960.7	959.7	960.6
308	293	257	210	259	463	241	480
C=308		C=257		C=259		C=241	
					277	521	286	512	267	294	
					C=277		C=286		C=267	C=294	

MILL CREEK CHANNEL CHANGE Sta. 9+50 to Sta. 12+00

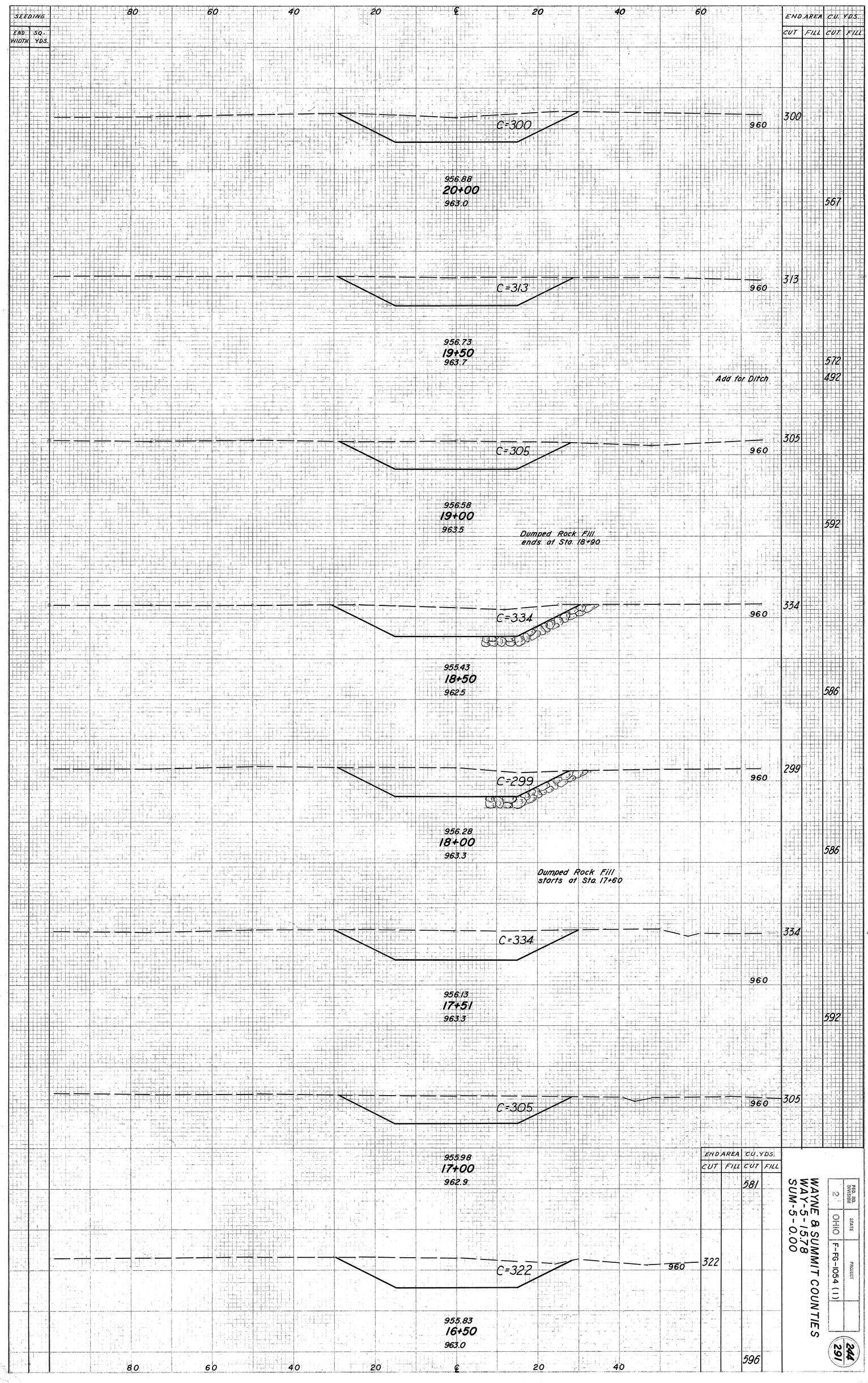


END AREA		CU. YDS.	
CUT	FILL	CUT	FILL
		583	
312			
		574	

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054(1)	

243
291



MILL CREEK CHANNEL CHANGE Sta.16+50 to Sta. 20+00

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	F-FG-1054 (1)

FED. RD. DIVISION	STATE	PROJECT		245 / 291
2	OHIO	F-FG-1054 (1)		

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

END AREA CUT	END AREA FILL	CU. YDS. CUT	CU. YDS. FILL
166	33	156	38
171	50	96	41
88	61	135	294
156	468	320	127
226		298	
277		348	534
300			
302		557	

SEEDING END	SEEDING SQ. YDS.

C=166 — 957.70 — 22+75 — 962.0

C=171 — 957.63 — 22+50 — 960.0

C=88 — 957.57 — 22+30 — 958.5

C=156 — 957.48 — 22+00 — 964.1

Add for Ditch

C=226 — 957.43 — 21+82 — 963.7

C=277 — 957.33 — 21+50 — 963.6

Add for Ditch

C=300 — 957.18 — 21+00 — 963.7

C=302 — 957.03 — 20+50 — 963.9

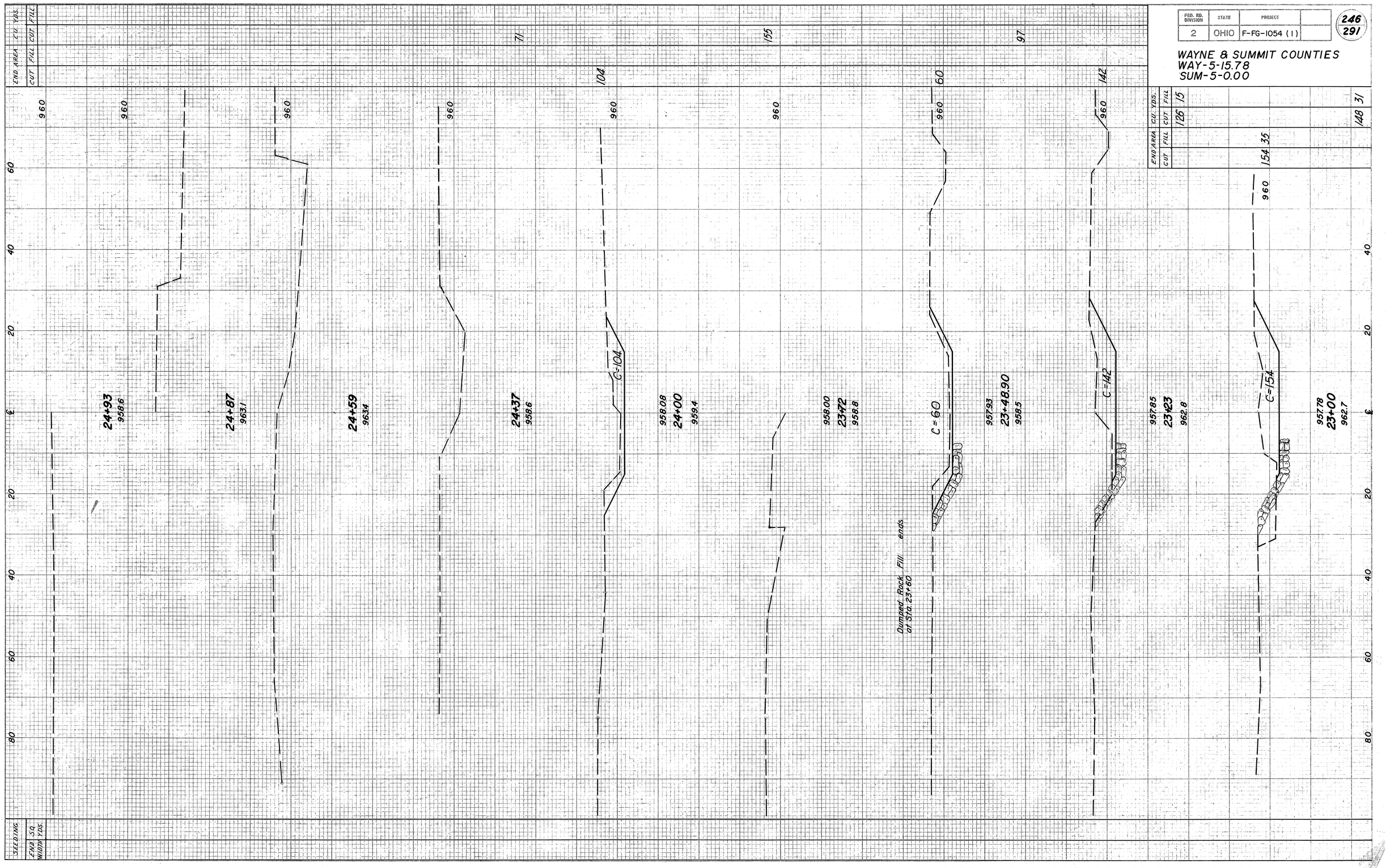
Dumped Rock Fill
Starts @ Sta. 21+90

MILL CREEK CHANNEL CHANGE Sta. 20+50 to Sta. 22+75

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	F-FG-1054 (1)	

246
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



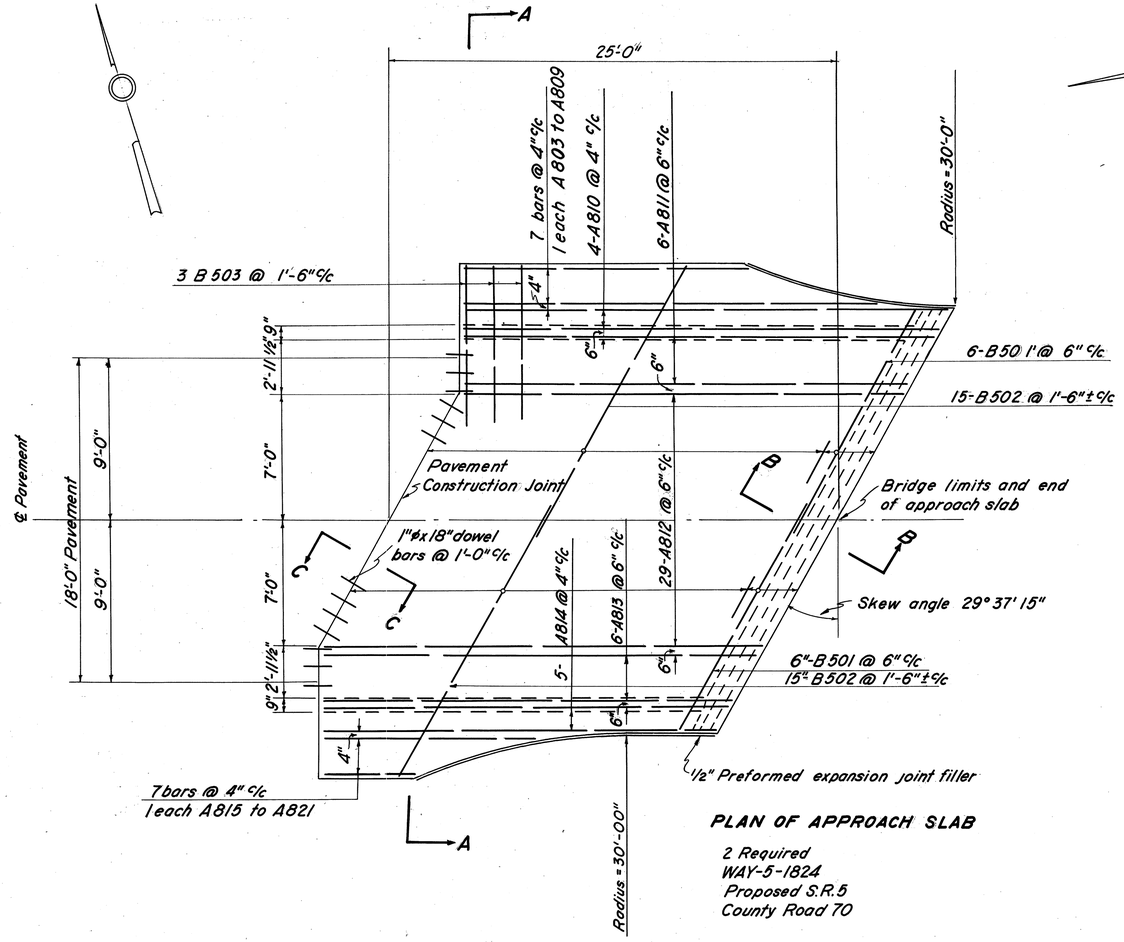
END AREA CU. YDS.			
CUT	FILL	CUT	FILL
		126	15
			148 31
		154	35

MILL CREEK CHANNEL CHANGE Sta. 23+00 to Sta. 24+93

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

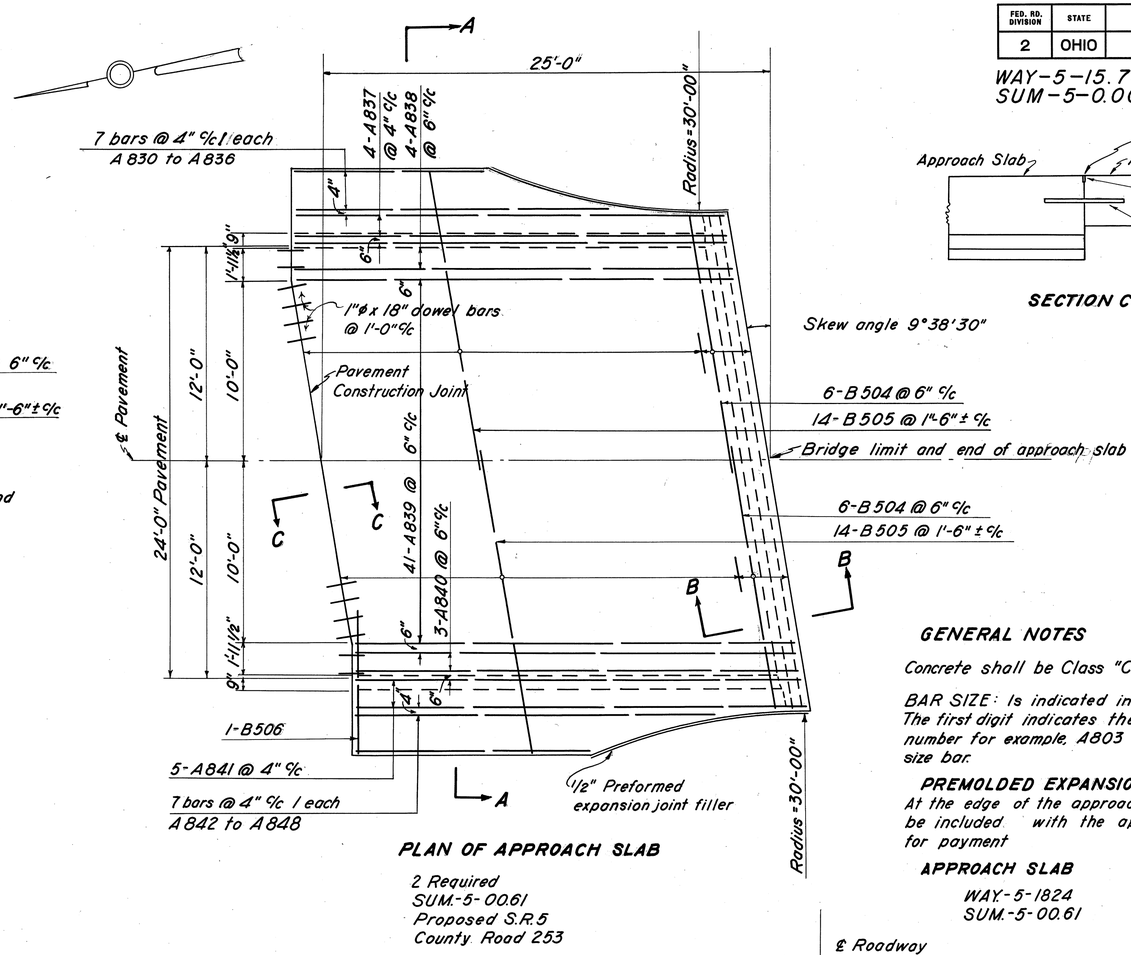
247
291

WAY-5-15.78
SUM-5-0.00



PLAN OF APPROACH SLAB

2 Required
WAY-5-1824
Proposed S.R.5
County Road 70



PLAN OF APPROACH SLAB

2 Required
SUM.-5-00.61
Proposed S.R.5
County Road 253

SECTION C-C

GENERAL NOTES

Concrete shall be Class "C"

BAR SIZE: Is indicated in the bar mark The first digit indicates the bar size number for example, A803 is a No. 8 size bar.

PREMOLDED EXPANSION JOINT FILLER
At the edge of the approaches slab shall be included with the approach slab for payment

APPROACH SLAB

WAY.-5-1824	149 Sq. Yds.
SUM.-5-00.61	175 Sq. Yds.

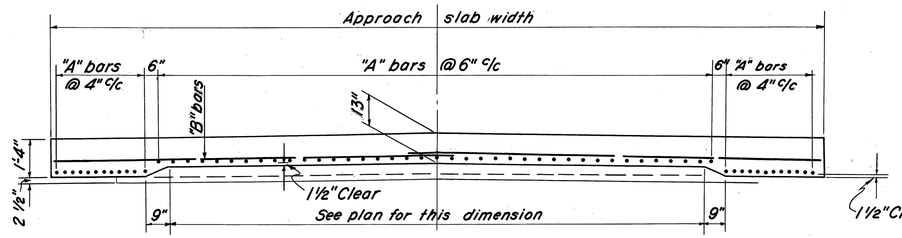
REINFORCING STEEL LIST					BENDING
MARK	NO.	LENGTH	WEIGHT	SHIP	
2 APPROCH SLABS WAY.-5-1824					
A803	2	16'-1"	*	S	
A804	2	16'-10"		S	
A805	2	17'-10"		S	
A806	2	19'-1"		S	
A807	2	20'-2"		S	
A808	2	21'-8"		S	
A809	2	23'-8"		S	
2" Increment → A810	2 Series of 4	27'-7" to 28'-1"		B	26'-6" to 27'-0" % A810
3" Increment → A811	2 Series of 6	25'-11" to 27'-2"		B	24'-10" to 26'-1" % A811
A812	58	25'-7"		B	24'-6" % A812
3" Increment → A813	2 Series of 6	24'-0" to 25'-3"		B	22'-11" to 24'-2" % A813
2" Increment → A814	2 Series of 5	23'-1" to 23'-9"		B	22'-0" to 22'-8" % A814
A815	2	13'-6"		S	
A816	2	11'-2"		S	
A817	2	9'-4"		S	
A818	2	8'-4"		S	
A819	2	7'-2"		S	
A820	2	6'-2"		S	
A821	2	5'-3"		S	
B501	24	14'-6"		S	
B502	60	17'-3"		S	
B503	6	9'-0"	*	S	

* Included With approach slab for payment

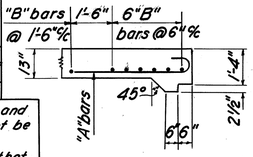
REINFORCING STEEL LIST					BENDING	
MARK	NO.	LENGTH	WEIGHT	SHIP		
2 APPROACH SLABS SUM-5-00.61						
A 830	2	10'-11"	*	S		
A 831	2	11'-8"		S		
A 832	2	12'-10"		S		
A 833	2	13'-10"		S		
A 834	2	14'-10"		S		
A 835	2	16'-9"		S		
A 836	2	18'-8"		S		
Increment 1" → A 837	2 Series of 4	24'-11" to 25'-2"		B	23'-10" to 24'-1" %	A837
Increment 1" → A838	2 Series of 4	25'-3" to 25'-6"		B	24'-2" to 24'-5" %	A838
A839	82	25'-7"		B	24'-6" %	A839
Increment 1" → A840	2 Series of 3	25'-8" to 25'-10"		B	24'-7" to 24'-9" %	A840
Increment 1" → A841	2 Series of 5	25'-11" to 26'-3"		B	24'-10" to 25'-2" %	A841
A842	2	20'-6"		S	REPLACEMENT BARS	
A843	2	18'-11"		S	1 - #8 6'-6" S	
A844	2	17'-6"		S	1 - #5 5'-7" S	
A845	2	16'-4"		S		
A846	2	15'-2"		S		
A847	2	14'-4"		S		
A848	2	13'-5"		S		
B504	24	15'-3"		S		
B505	56	18'-6"		S		
B506	2	8'-0"	*	S		

* Included With approach slabs for Payment

REPLACEMENT BARS and TEST SAMPLES will not be required if bars are fabricated from stock that has previously been tested and approved by the Ohio Highway Testing Laboratory



SECTION A-A



SECTION B-B

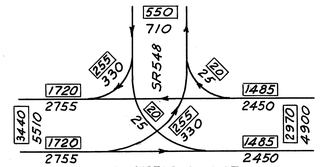
APPROACH SLAB DETAILS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

247-A

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

550 1955 Estimated ADT
710 1965 Design ADT



TRAFFIC CHART

Telephone pole
Telephone pole
Telephone junction box
Signal box
Clearance Line
Clearance Line
12'-4½" 14'-0" 12'-4½"
4'-0"
Slope facing (S-29.05 Type)
Slope facing (S-29.05 Type)
Power Pole
Tele. pole
℄ Critical Clearance Point "A"
Berm Line
Berm Line
℄ Southbound Lanes (Initial)
Begin earth embankment at Sta. 866+50.00 for East Bridge
Equation Sta. Sta. 867+47.98 Bk. = Sta. 867+59.35 Ah.
37'-0"
To Easton
867
868
End Approach Slab Sta. 868+61.47
Whistle Post Conc. 6"x6"
869
870
Telephone pole
Sta. 869+70.13 Proposed SR5
Sta. 4954+65.42 B. & O. RR
N 50°38'00" E
871
℄ Proposed SR5
Begin Approach Slab Sta. 870+84.03
872
To Hametown
End earth embankment Sta. 872+80.00 for East Bridge
℄ Northbound Lanes (Ultimate)
Proposed Access Road
vacated
Telephone pole
80°36'30"
9°23'30"
East Bound Main B. & O. RR
West Bound Main
R/W
Proposed future Ramp to connect Relocated SR 548 to SR 5 Ultimate Northbound Lanes
℄ Exist. SR 548 (To be vacated)
To Easton
2'x1' Stone Culvert (24" R.C.P. Ext.)
BRIDGE LIMITS 222.56'
Sta. 868+61.47
Sta. 870+84.03
2300' V.C. P.V.I. Sta. 870+00 El. 998.38
Actual min. clear
Required min. clear
+2.149 %
-1.48 %
Proposed grade SR 5
Existing ground line at Proposed ℄ SR 5
El. 978.90
2:1 Normal
El. 960.00
22'-8"
22'-0"
Clearance Diagram
El. 956.00
El. 956.00
2:1 Normal
El. 960.00
El. 979.75
Piles for all piers shall be 12" ϕ cast-in-place reinforced concrete. The estimated pay length is 37'.

986.96 987.12 987.26 987.40 987.53 987.64 987.75 987.86 987.95 988.03 988.09 988.15 988.20 988.24 988.27 988.29 988.30
957.7 953.9 953.8 954.8 957.63 957.99 957.51 957.0 961.0 962.96 962.94 962.87 962.84 960.1 960.5 961.5 961.7
+50 +55 +75 867+00 +25 +50 +75 868+00 +25 +50 +69.5 +80.0 +90.5 869+00 +25 +50 +60.3 +65.2 +74.5 +79.5 870+00 +06.5 +25 +50 +75 871+00 +25 +50 +75 872+00

FOUNDATION SOUNDINGS:
Foundation design and foundation quantities are based on a study of rod soundings and soil sampling soundings made at the site. This sounding information may be inspected in the office of the Bureau of Bridges in Columbus or in the Division office, but the State does not guarantee the accuracy thereof.

PROPOSED STRUCTURE
Type: Continuous conc. slab with reinf. conc. substructure.
Span: 38'; 47.5'; 47.5'; 47.5'; 38' ℄ bearings.
Roadway: 44' f/f parapets.
Load Frequency: C.F. = 400. (57)
Skew: 9°23'30" R.F.
Wearing Surface: 1" monolithic concrete
Approach Slabs: AS-1-54 (25' long).
Alignment: Tangent.

YULE STICKLEN JORDAN and McNEE ENGINEERS
COLUMBUS OHIO

SITE PLAN

WAY-94-9.10 WAY-585-14.71

BRIDGE NO WAY - 5 - 1649
OVER B & O R.R. & RELOC. S.R. 548
WAYNE COUNTY SR 5

STA. 868 + 61.47
STA. 870 + 84.03

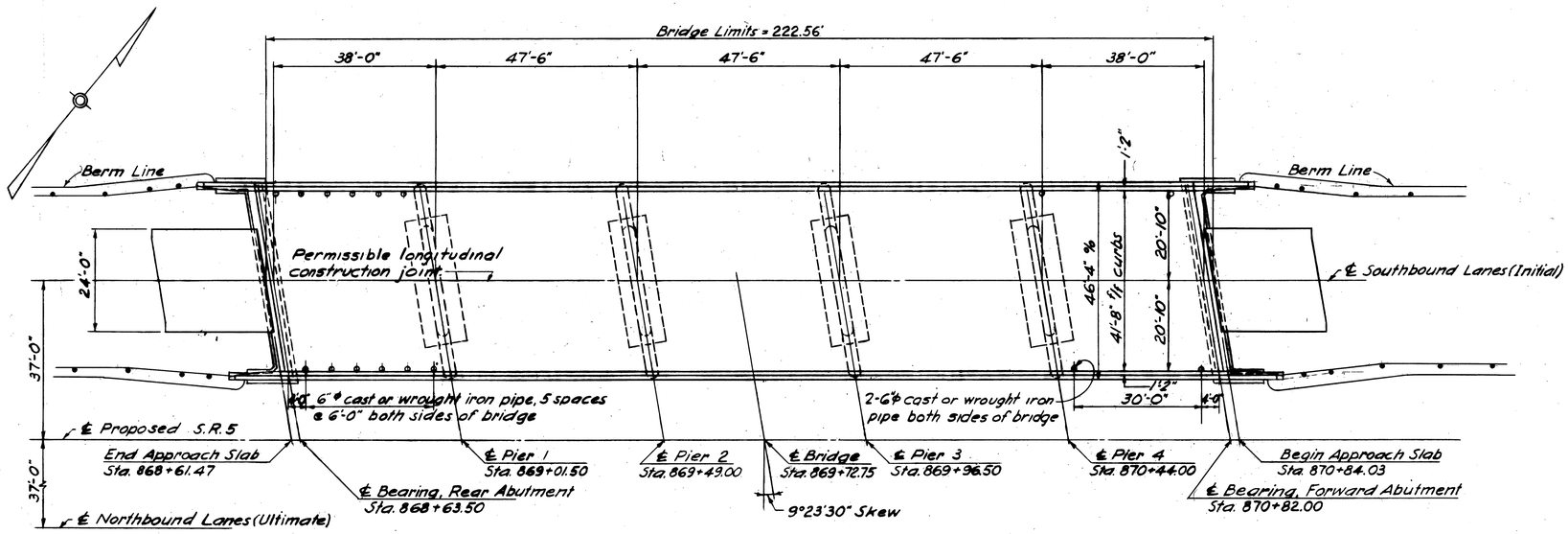
SCALE HOR. 1" = 20

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
W.C.R.	T.A.	J.C.L.	J.C.L.	R.B.Y.	R.B.Y.

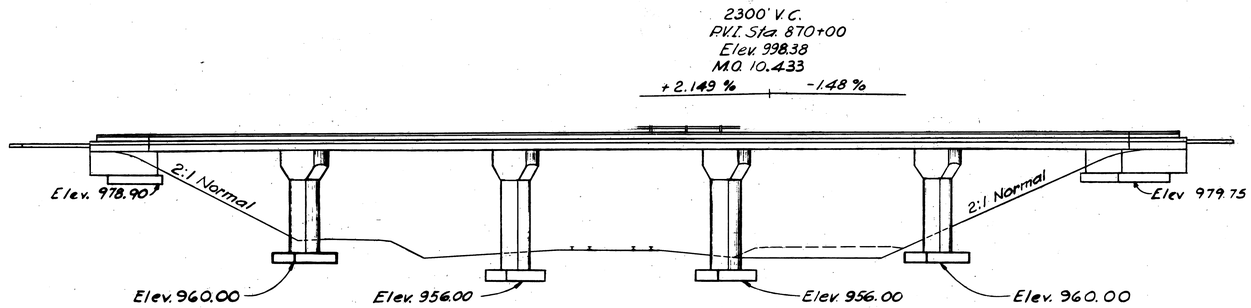
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

248

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



GENERAL PLAN



ELEVATION

NOTE: Piles not shown

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Super-struct.	Rear Abut.	Pier 1	Pier 2	Pier 3	Pier 4	Forward Abut.	General		
E-2	Lump	Sum	Cofferdams, cribs and sheeting								Lump Sum		
E-2	501	Cu.Yd.	Unclassified excavation		94	101	60	59	93	94			
5-1	672	Cu.Yd.	Class "C" concrete, superstructure	672									
5-1	272	Cu.Yd.	Class "C" concrete, piers above footings			63	72	73	64				
5-1	78	Cu.Yd.	Class "E" concrete, abutments above footings		39					39			
5-1	144	Cu.Yd.	Class "E" concrete, footings		19	28	25	25	28	19			
	179,427					7533	6508	6509	7533				
5-4	~~178,985~~	Lb.	Reinforcing steel	145,544	2900	~~7339~~	~~6480~~	~~6482~~	~~7339~~	2900			
5-7	8660	Lb	Structural steel expansion joints, deck drain pipes and guard rail connections, including all painting	8660									
5-9	100	Sq.Ft.	½" Preformed expansion joint filler		50					50			
5-9	260	Lb.	¼" Bronze sliding plates		130					130			
5-14	434.4	Lin.Ft.	Railing (aluminum rail and supports, concrete parapet)	400.4	17					17			
5-16	Lump	Sum	First test pile								Lump Sum		
5-18	3330	Lin.Ft.	12" ϕ cast-in-place reinforced concrete piles			925	740	740	925				
5-29	22	Cu.Yd.	Porous backfill		11					11			
5-29	170	Cu.Yd.	Slope facing (S-29.05 Type)								170		

GENERAL NOTES

REFERENCE shall be made to Standard Drawing AR-1-57 dated 4-9-57.

DESIGN SPECIFICATIONS: This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio, Department of Highways, dated 9-1-57.

SLOPE FACING (S-29.05 Type) shall be provided under the structure at both abutments. The facing material shall be 12" thick and shall extend from the face of the abutment down to Elev. 966.00 for rear abutment and to Elev. 960.00 for forward abutment and transversely to 3 ft. outside the edge of the superstructure.

CONSTRUCTION CLEARANCE of 19.0 ft. vertically above the top of the railroad rails and 8.0 ft. horizontally from the center of tracks shall be maintained at all times.

SHEETING AND BRACING: Before construction is started, eight sets of prints showing details of sheeting and bracing to be used for excavation adjacent to the railroad tracks shall be submitted to the Director for approval by the Department of Highways and by the Railroad Company.

ALIGNING RAILROAD TRACKS: After the Contractor has completed all excavation and backfill adjacent to the railroad tracks in compliance with Sec. E-2.04 and E-2.08 of the Construction and Material Specifications, subject to the supervision of the Railroad Company, nothing in Sec. E-2.04, E-2.08 or G-8.07 of the Specifications shall be construed to hold the Contractor liable for aligning and re-surfacing the railroad tracks.

CONSTRUCTION JOINTS: One construction joint in the bridge slab shall be placed on the transverse center line of the interior spans or 1'-0" off the transverse centerline if necessary to miss transverse reinforcing bars. One longitudinal joint, on the centerline of the roadway, will be permitted. A horizontal construction joint shall be placed between each curb and the top of the slab.

PILES shall be driven to a minimum bearing capacity of 38 tons for Pier 1, 39 tons for Piers 2 & 3 and 40 tons for Pier 4.

PROCEDURE: The contractor shall place the earth embankment to the full height of the proposed subgrade elevation for a distance of approximately 200 feet beyond the bridge limits before any construction may be started on either abutment, the first pier and fourth pier. The embankment fill shall be placed as early as possible with the above mentioned substructure units constructed as late as practicable. Construction of the abutments should not begin until after the completion of all piers.

YULE, STICKLEN, JORDAN & McNEE ENGINEERS
COLUMBUS OHIO

GENERAL PLAN & ELEVATION ESTIMATED QUANTITIES

BRIDGE NO. WAY-5-1649
OVER B & O RR & RELOC. SR 548

WAYNE COUNTY

STA. 868+61.47
STA. 870+84.03

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
A.M.	A.M.	A.M.	E.W.T.	R.B.Y.	1-14-58	

Revised 9-16-58

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

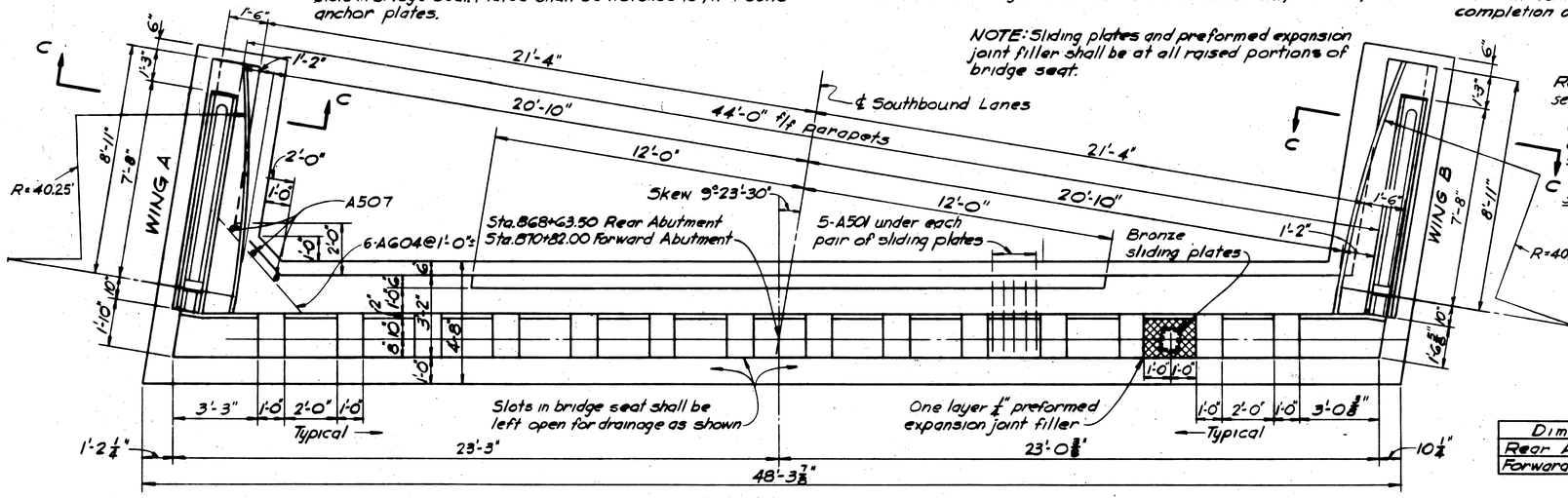
249

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

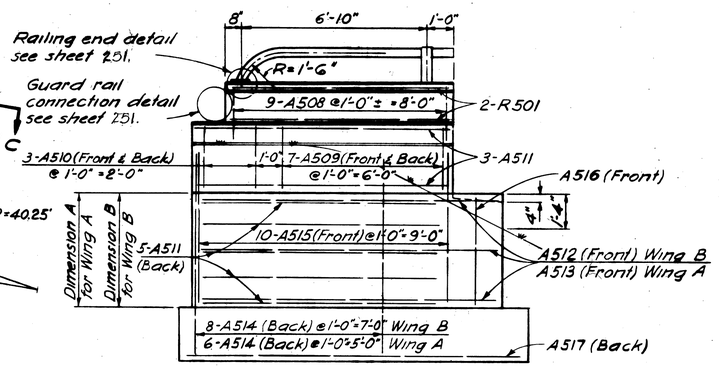
1/8" BACKWALL FORM PLATE shall be provided in lengths not to exceed 6'-0". joints between lengths shall be tightly butted and no joints shall be placed opposite drainage slots in bridge seat. Plates shall be notched to fit around anchor plates.

PROCEDURE: The contractor shall place the earth embankment to the full height of the proposed subgrade elevation for a distance of approximately 200 feet beyond the bridge limits before any construction may be started on either abutment, the first pier and fourth pier. The embankment fill shall be placed as early as possible with the above mentioned substructure units constructed as late as practicable. Construction of the abutments should not begin until after the completion of all piers.

NOTE: Sliding plates and preformed expansion joint filler shall be at all raised portions of bridge seat.

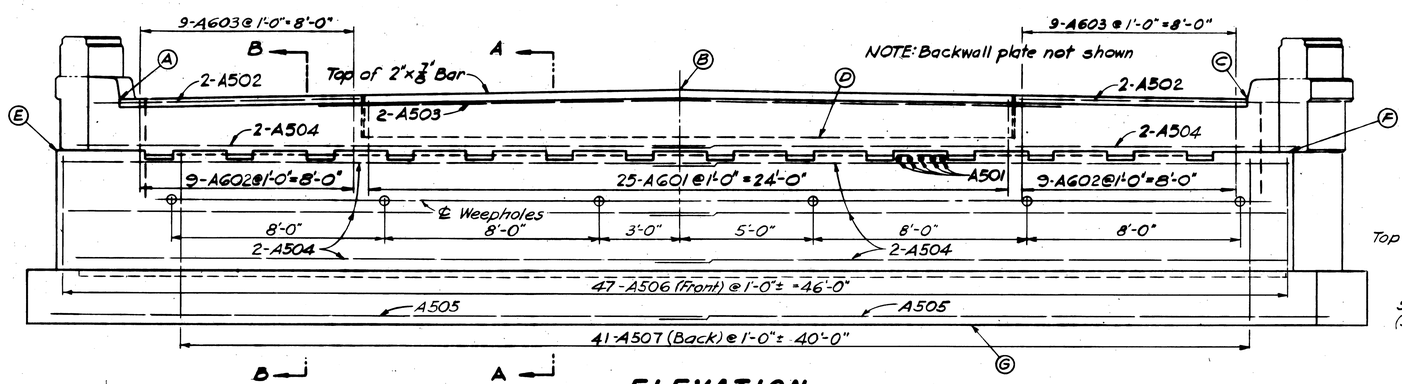


PLAN



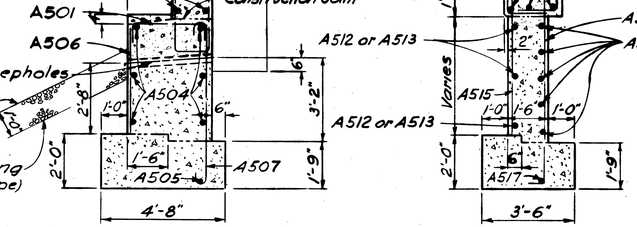
Dimension	A	B
Rear Abutment	4'-3 3/4	4'-3 5/8
Forward Abutment	4'-4 3/8	4'-4 1/2

WINGWALL ELEVATION



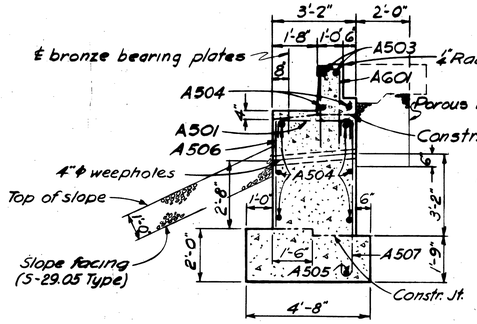
ELEVATION

FOUNDATION BEARING PRESSURE: Abutment footings are designed for a maximum bearing pressure of 2.4 tons per square foot

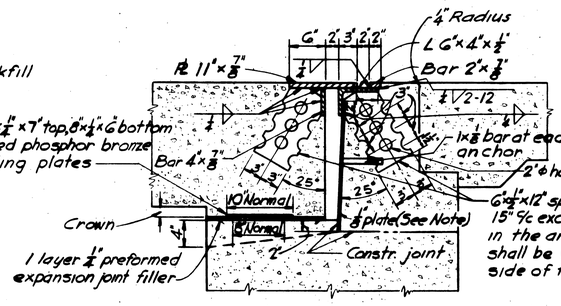


SECTION B-B

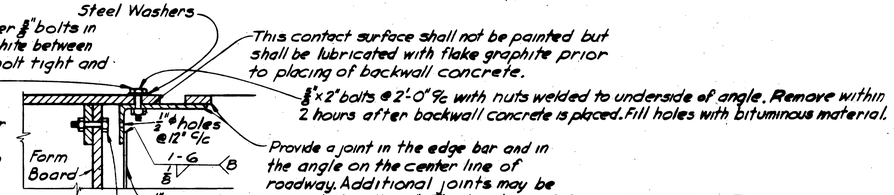
SECTION C-C



SECTION A-A



ROADWAY END FINISH



END FINISH DETAILS

Elevation	A	B	C	D	E	F	G
Rear Abut.	987.00	987.30	986.96	985.52	985.28	985.24	978.90
Forward Abut.	987.82	988.16	987.84	986.39	986.09	986.11	979.75

YULE, STIGELEN, JORDAN & McKEE
ENGINEERS
COLUMBUS OHIO

ABUTMENT DETAILS

With : 20'-1 9/16"

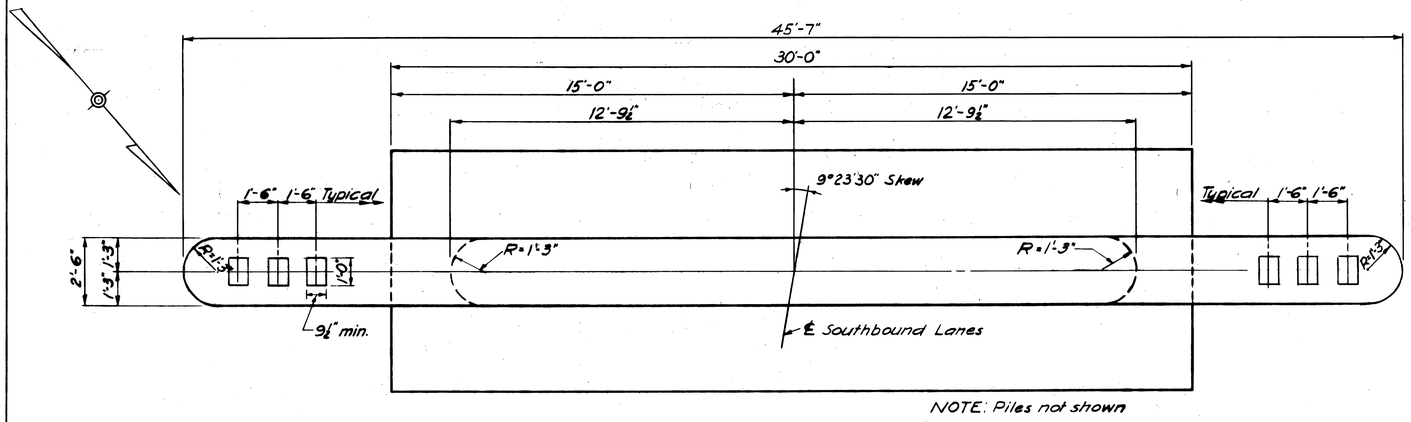
BRIDGE NO. WAY-5-1649
OVER B&O R.R. & RELOC. SR 548
WAYNE COUNTY
STA. 868 + 61.47
STA. 870 + 84.03

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
A.M.	A.M.	JHB	E.W.T.	R.B.Y.	1-14-58	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

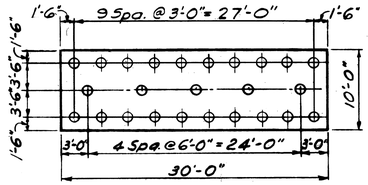
250

WAYNE & SUMMIT COUNT
WAY - 5 - 15.78
SUM - 5 - 0.00

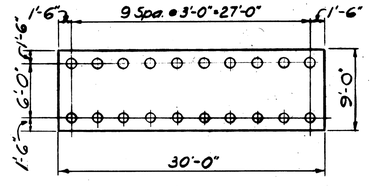


NOTE: Piles not shown

PLAN



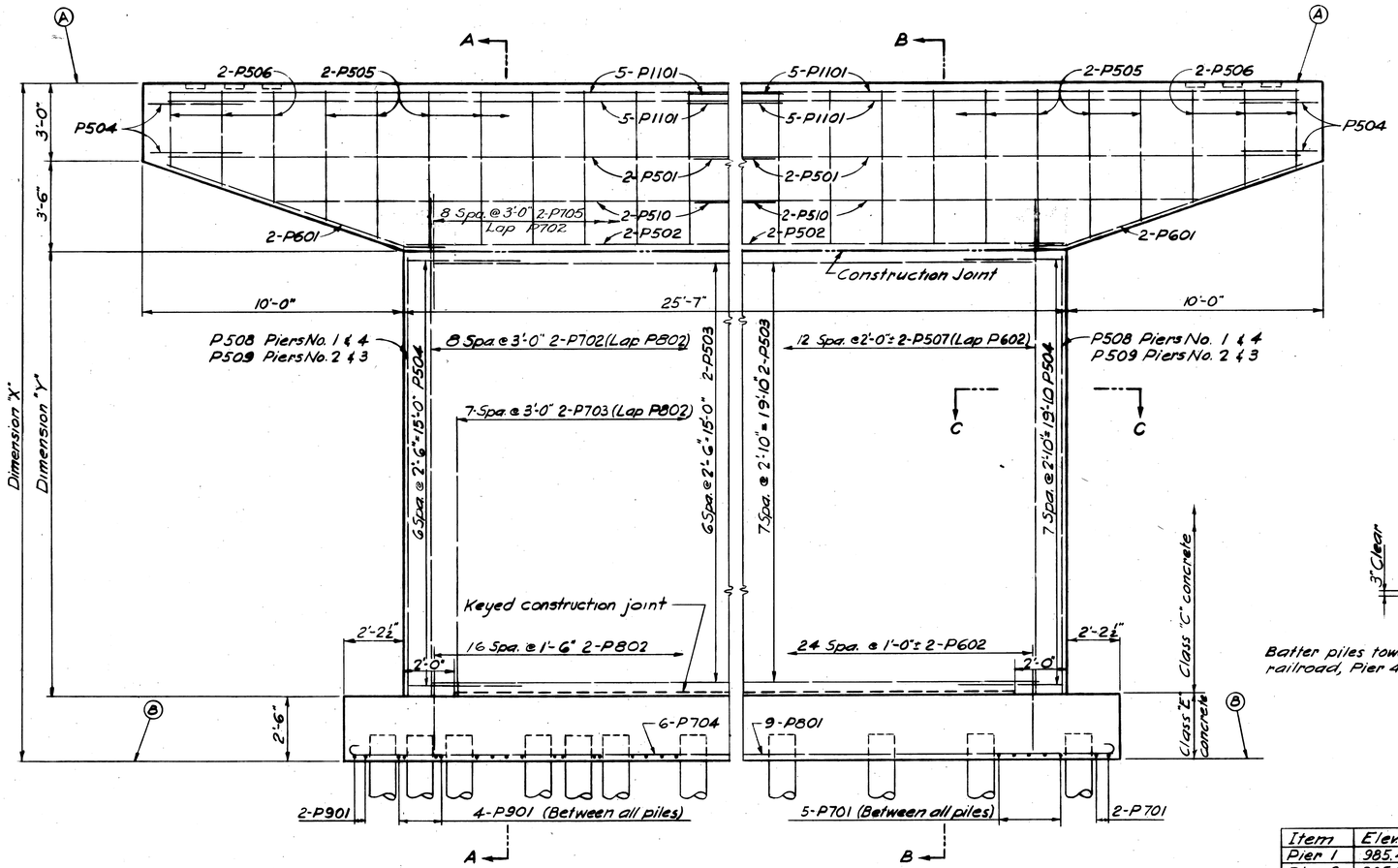
Piers 1 & 4
12" ϕ cast-in-place piles



Piers 2 & 3
12" ϕ cast-in-place piles

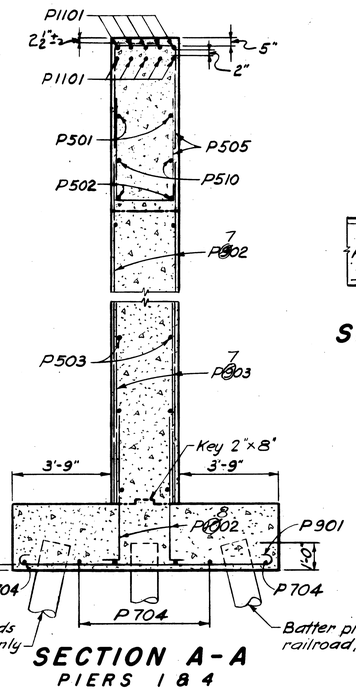
PILING LAYOUT

FOUNDATION BEARING LOADS: The maximum design load per pile is as follows: Pier 1 = 29.0 tons, Pier 2 = 30.3 tons, Pier 3 = 30.3 tons, Pier 4 = 30.5 tons.



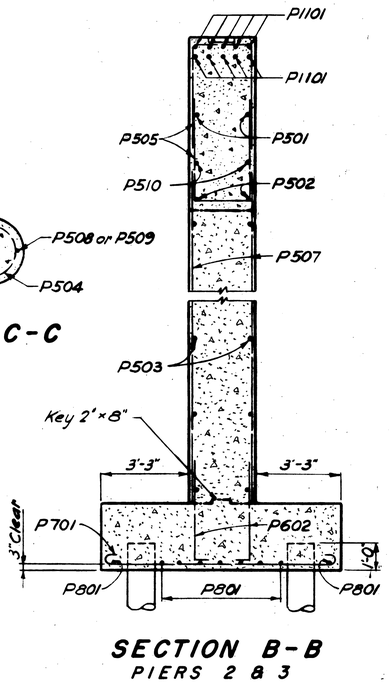
HALF ELEVATION, PIERS 1 & 4

HALF ELEVATION, PIERS 2 & 3



SECTION A-A
PIERS 1 & 4

SECTION C-C



SECTION B-B
PIERS 2 & 3

Item	Elev. A	Elev. B	Dimension "X"	Dimension "Y"
Pier 1	985.42	960.00	25'-5"	16'-5"
Pier 2	985.65	956.00	29'-7½"	20'-7½"
Pier 3	985.84	956.00	29'-10½"	20'-10⅝"
Pier 4	986.02	960.00	26'-0¼"	17'-0¼"

Revised 9-16-58

YULE, STICKLEN, JORDAN, & McGEE
ENGINEERS
COLUMBUS OHIO

PIER DETAILS

BRIDGE NO. WAY-5-1649
OVER B & O R.R. & RELOC. SR 548
WAYNE COUNTY
STA. 868 + 61.47
STA. 870 + 84.03

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
CPT	A.M.	A.M.	E.W.T.	R.B.Y.	1-14-58	

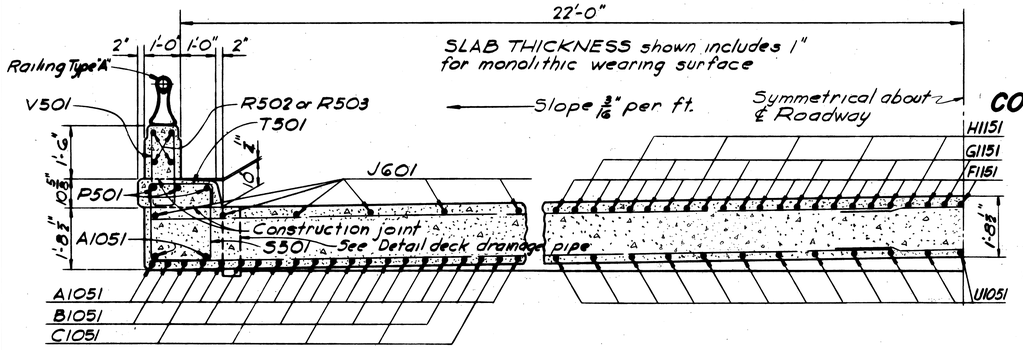
FED. RD. DIVISION	STATE	PROJECT		251
2	OHIO			

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

REPLACEMENT BARS. If the reinforcing bars are fabricated from stock that has previously been tested and approved by the Ohio Highway Testing Laboratory, the furnishing of test samples and replacement bars will not be required.

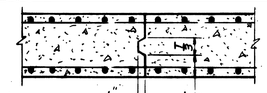
BAR SIZE is indicated in the bar mark. The first digit where three digits are used, and the first two digits where four are used, indicate the bar size number. For example, A504 is a No. 5 size bar and P1001 is a No. 10 size.

SECTION A - A



CONSTRUCTION JOINT

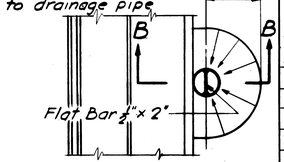
(See note Sheet 248)



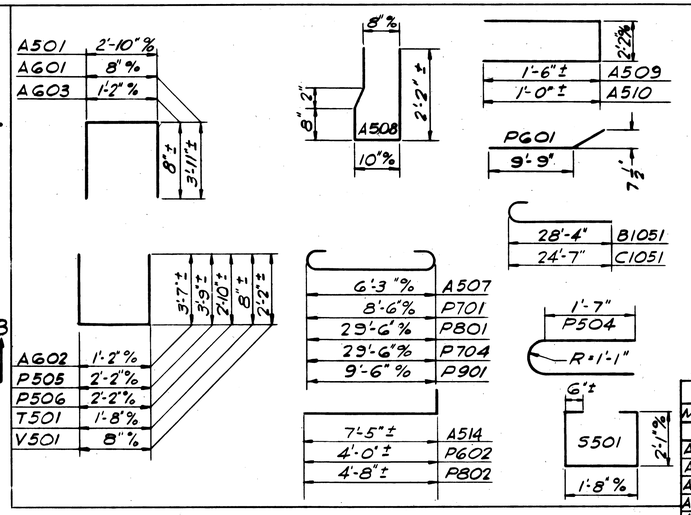
SECTION B - B

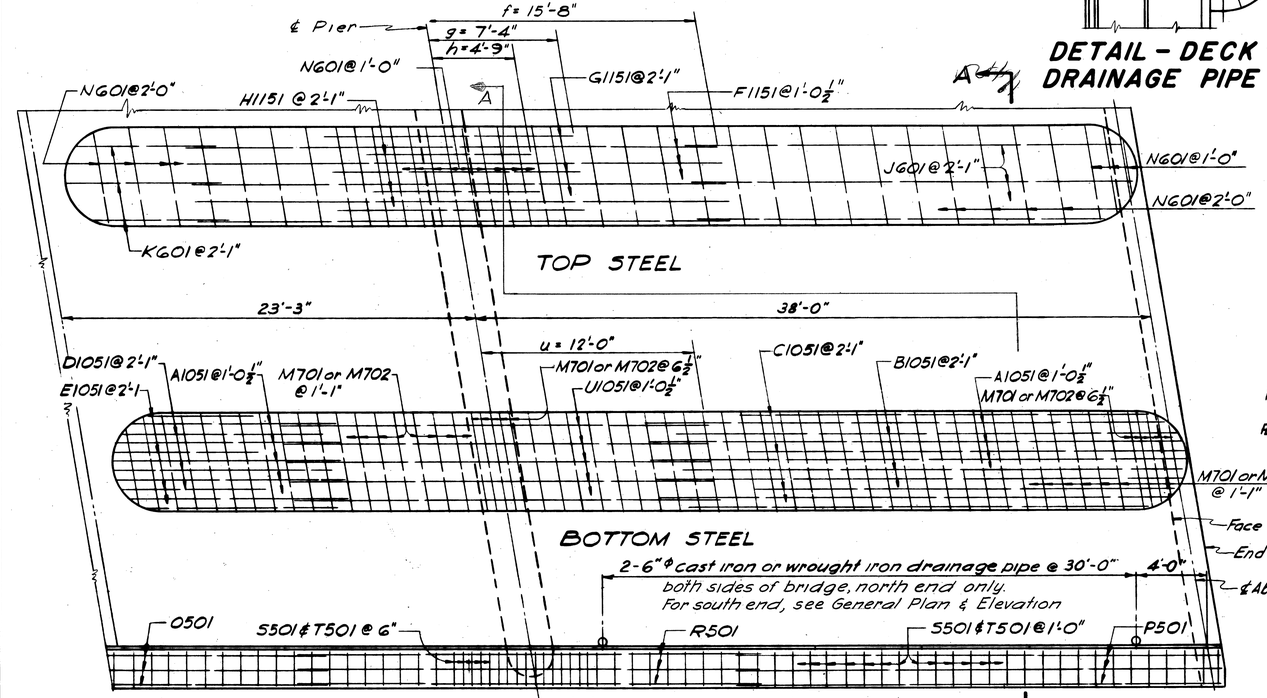


Weld or braze flat bar to drainage pipe

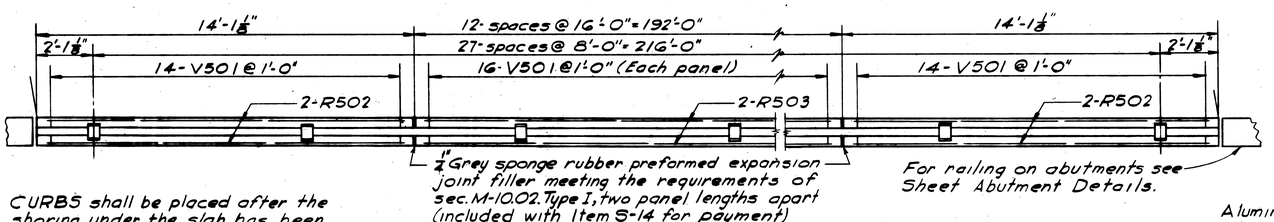


DETAIL - DECK DRAINAGE PIPE





PART PLAN OF SLAB

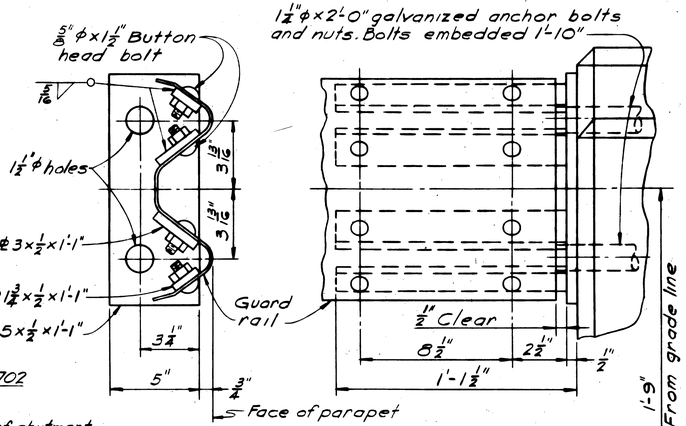


¼" Grey sponge rubber preformed expansion joint filler meeting the requirements of sec. M-10.02. Type I, two panel lengths apart (included with Item S-14 for payment)

For railing on abutments see Sheet Abutment Details.

RAILING PLAN

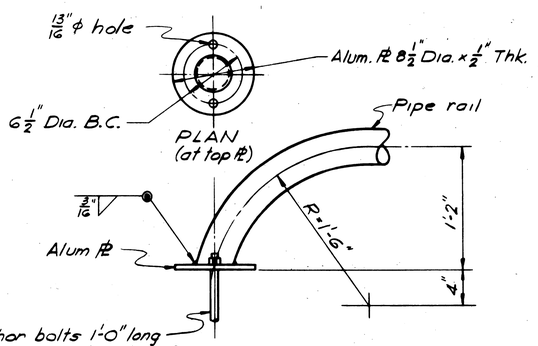
CURBS shall be placed after the shoring under the slab has been released sufficiently to permit the slab spans to attain full dead load deflection.



GUARD RAIL CONNECTION DETAIL

(As seen from pavement side)

Payment is included with Item S-7



Aluminum anchor bolts 1'-0" long shall have a minimum diameter of 0.62" at the root of the thread. Bolts and nuts shall be anodized.

RAILING END DETAIL

REINFORCING STEEL LIST

Mark	No.	Length	Weight	Shp	Mark	No.	Length	Weight	Shp
Abutments					Superstructure				
A501	150	3'-10"	600	B	A1051	~~245~~	30'-0"	~~37,227~~	S
A502	8	10'-6"	88	S	B1051	44	29'-7"	5601	B
A503	4	26'-10"	112	S	C1051	44	25'-10"	4891	B
A504	32	23'-9"	793	S	D1051	66	28'-6"	8094	S
A505	4	24'-8"	103	S	E1051	66	20'-10"	5916	S
A506	94	3'-10"	376	S	F1151	180	30'-10"	29,487	S
A507	88	7'-5"	681	B	G1151	88	14'-2"	6623	S
A508	36	5'-2"	194	B	H1151	88	5'-6"	4442	S
A509	56	5'-2"	302	B	J601	46	24'-10"	1715	S
A510	24	4'-2"	104	B	K601	69	21'-0"	2176	S
A511	44	9'-5"	432	S	M701	215	21'-6"	9440	S
A512	6	10'-11"	68	S	M702	215	27'-0"	11,865	S
A513	6	11'-3"	70	S	N601	137	21'-8"	4467	B
A514	28	7'-11"	231	B	N602	137	26'-10"	5521	S
A515	40	6'-0"	249	S	O501	18	24'-6"	460	S
A516	4	5'-0"	21	S	P501	12	27'-1"	339	S
A517	4	12'-5"	52	S	R501	24	26'-2"	655	S
			506		S501	510	6'-10"	3635	B
			506		T501	510	3'-0"	1596	B
			U1051	180	U1051	132	24'-0"	4006	S
A601	50	8'-6"	638	B	V501	420	5'-0"	6150	B
A602	36	8'-4"	452	B		440			
A603	36	2'-6"	135	B					
A604	12	5'-6"	99	S	Piers				
					P501	16	27'-9"	380	S
					P502	8	25'-6"	213	S
					P503	60	23'-0"	1439	S
Railing				76	P504	60	6'-7"	412	B
R501	16	8'-2"		S	P505	136	9'-8"	1372	B
R502	16	13'-9"		S	P506	48	7'-10"	392	B
R503	96	15'-8"		S	P507	52	22'-7"	1225	S
					P508	4	16'-3"	68	S
					P509	4	20'-5"	85	S
					P510	16	18'-5"	307	S
					P601	16	11'-8"	280	B
Replacement Bars					P602	100	4'-6"	676	B
RE501	2	5'-7"			P701	98	10'-2"	2037	B
RE601	1	5'-11"			P702	36	16'-4"	1202	S
RE701	2	6'-3"			P703	32	10'-6"	688	S
RE801	1	6'-6"			P704	18	31'-2"	1146	B
RE901	1	6'-10"			P801	18	31'-8"	1522	B
RE1001	3	7'-3"			P802	68	5'-7"	1014	B
RE1101	3	7'-7"			P901	80	12'-0"	3264	B
					P1101	80	23'-4"	9920	S
					P705	36	4'-6"	332	S

YULE, STICKLEN, JORDAN & McNEE ENGINEERS
COLUMBUS OHIO

SLAB DETAILS & REINFORCING STEEL LIST

BRIDGE NO. WAY-5-1649
OVER B&O R.R. & RELOC. SR 548
WAYNE COUNTY
STA. 868 + 61.47
STA. 870 + 84.03

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
A.M.	A.M.	JHB	E.W.T.	R.B.Y.	1-14-58	

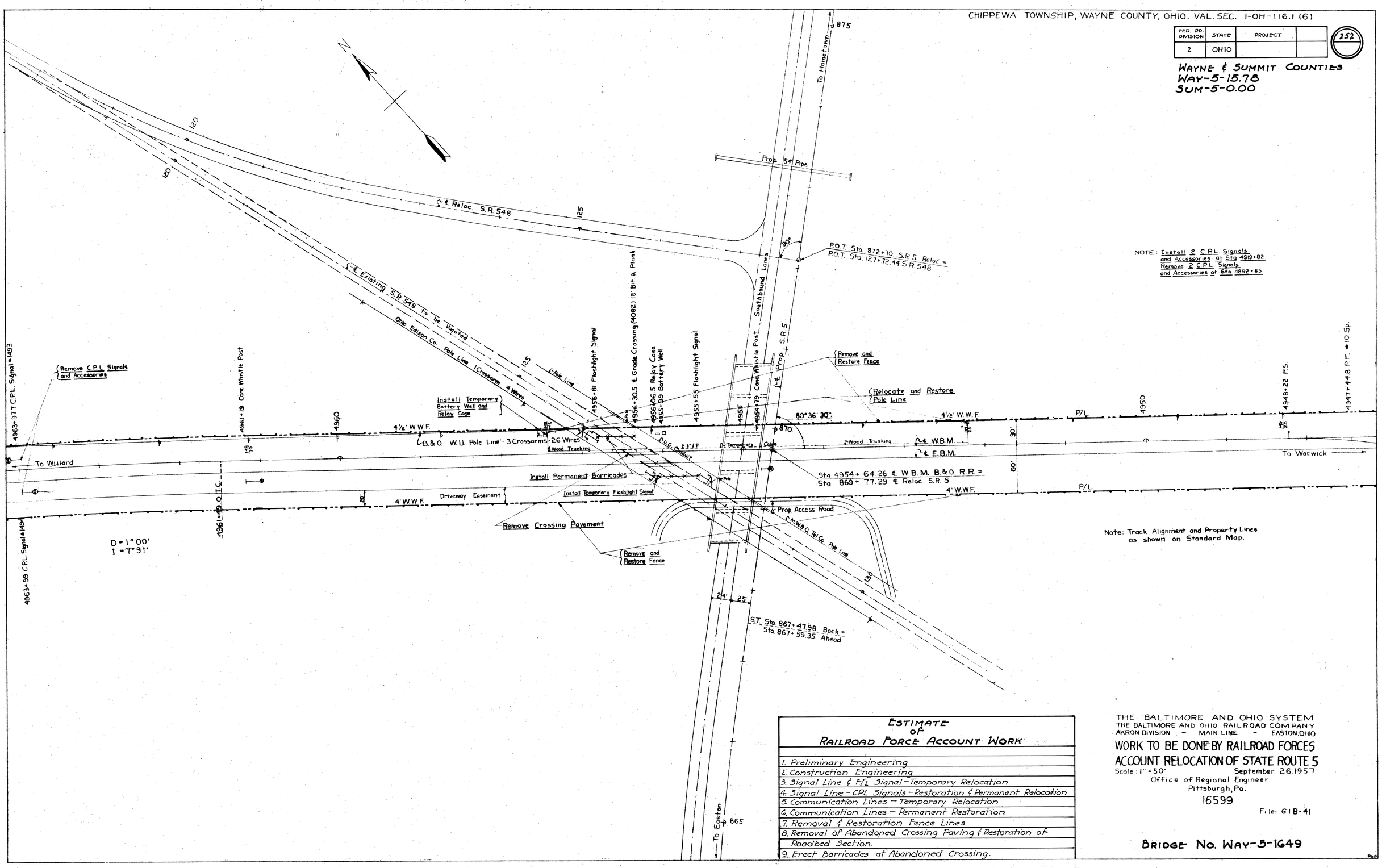
Revised 9-23-58 9-16-58

CHIPPEWA TOWNSHIP, WAYNE COUNTY, OHIO. VAL. SEC. 1-OH-116.1 (6)

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

252

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00



NOTE: Install 2 C.P.L. Signals and Accessories at Sta 4919+82
Remove 2 C.P.L. Signals and Accessories at Sta 4892+65

Note: Track Alignment and Property Lines as shown on Standard Map.

ESTIMATE of RAILROAD FORCE ACCOUNT WORK
1. Preliminary Engineering
2. Construction Engineering
3. Signal Line & F/L Signal - Temporary Relocation
4. Signal Line - CPL Signals - Restoration & Permanent Relocation
5. Communication Lines - Temporary Relocation
6. Communication Lines - Permanent Restoration
7. Removal & Restoration Fence Lines
8. Removal of Abandoned Crossing Paving & Restoration of Roadbed Section.
9. Erect Barricades at Abandoned Crossing.

THE BALTIMORE AND OHIO SYSTEM
THE BALTIMORE AND OHIO RAILROAD COMPANY
AKRON DIVISION - MAIN LINE - EASTON, OHIO

WORK TO BE DONE BY RAILROAD FORCES
ACCOUNT RELOCATION OF STATE ROUTE 5

Scale: 1" = 50' September 26, 1957
Office of Regional Engineer
Pittsburgh, Pa.
16599

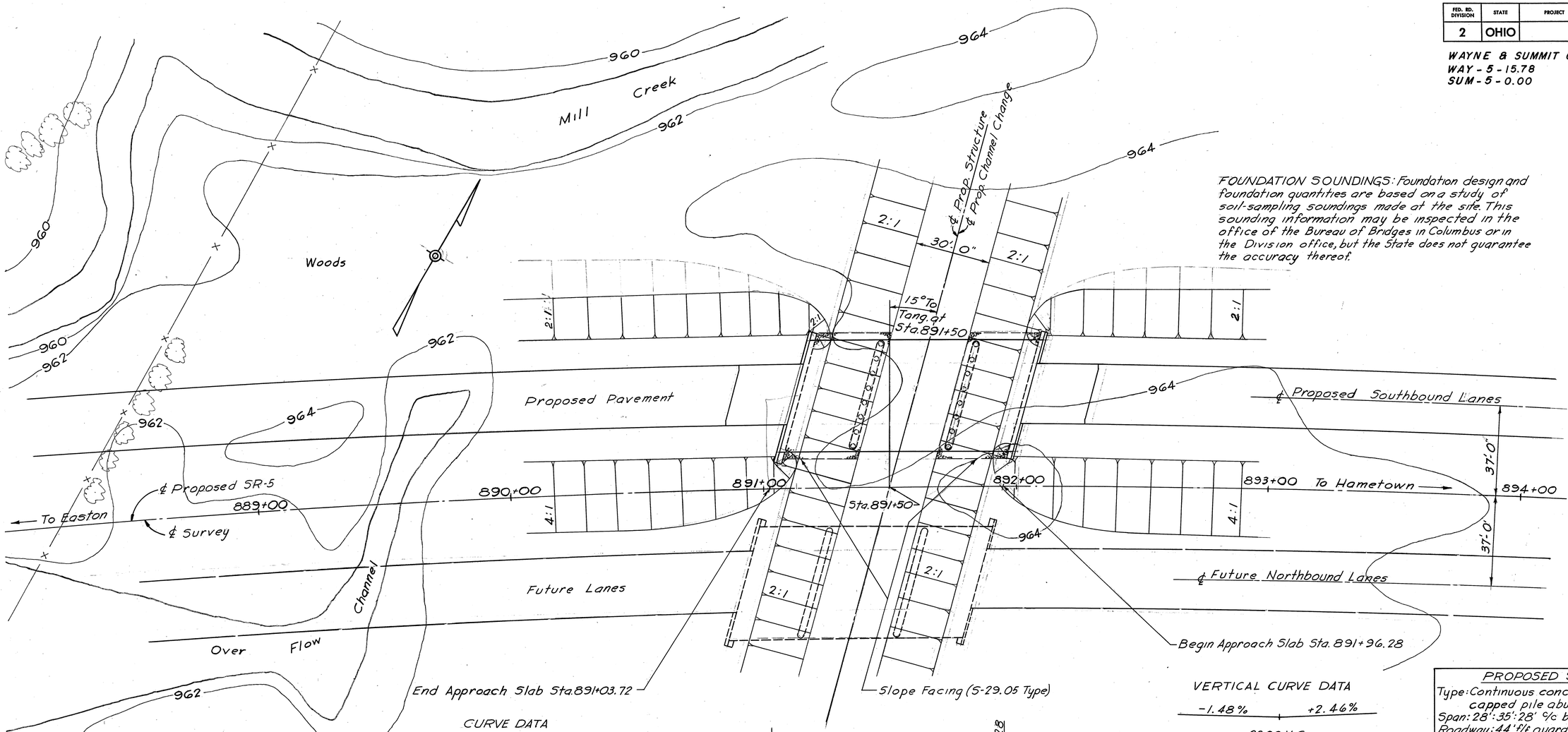
File: G1B-41

BRIDGE No. WAY-5-1649

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

263

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



FOUNDATION SOUNDINGS: Foundation design and foundation quantities are based on a study of soil-sampling soundings made at the site. This sounding information may be inspected in the office of the Bureau of Bridges in Columbus or in the Division office, but the State does not guarantee the accuracy thereof.

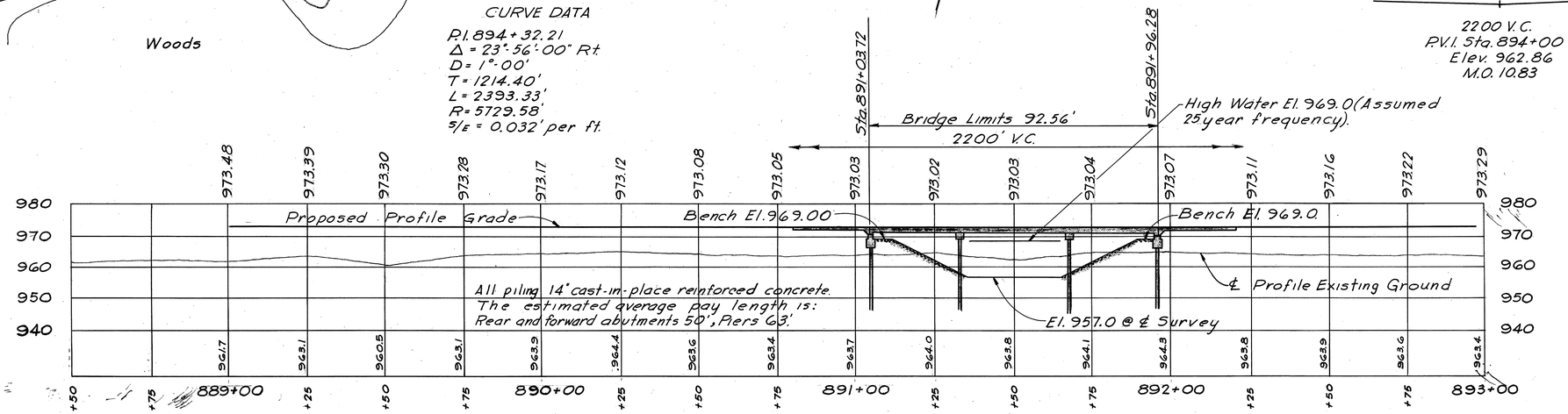
CURVE DATA

P.I. 894 + 32.21
Δ = 23° 56' 00" Rt.
D = 1° 00'
T = 1214.40'
L = 2393.33'
R = 5729.58'
℄/E = 0.032' per ft.

VERTICAL CURVE DATA

-1.48% +2.46%

2200 V.C.
P.V.I. Sta. 894+00
Elev. 962.86
M.O. 10.83



PROPOSED STRUCTURE

Type: Continuous concrete slab on capped pile abutments and piers.
Span: 28':35':28' ℄ bearings.
Roadway: 44' f/f guard rails.
Load Frequency: CF = 400 (57)
Skew: 15° L.F.
Wearing Surface: 1" monolithic concrete
Approach Slabs: AS-1-54 (25' long).
Alignment: D = 1° R
Traffic: 2970 Estimated A.D.T. (1955)
4900 - Design A.D.T. (1965)

Drainage Area = 4000 Ac.

YULE, STICKLEN, JORDAN & McNEE
ENGINEERS
COLUMBUS OHIO

SITE PLAN

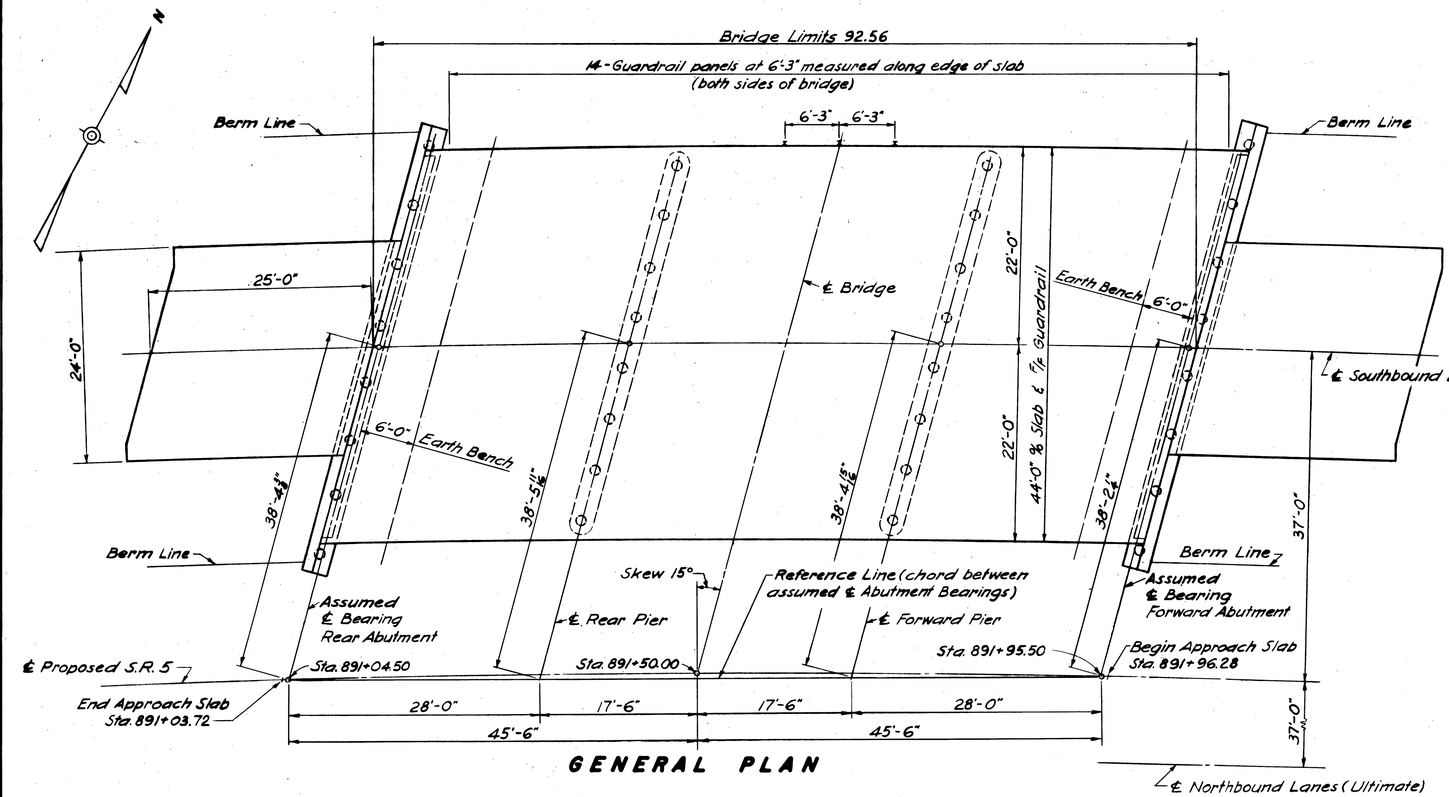
WAY-5815-1512

BRIDGE NO. WAY-5-1688
OVER MILL CREEK
WAYNE COUNTY STA. 891 + 03.72
SCALE: 1" = 20' STA. 891 + 96.28

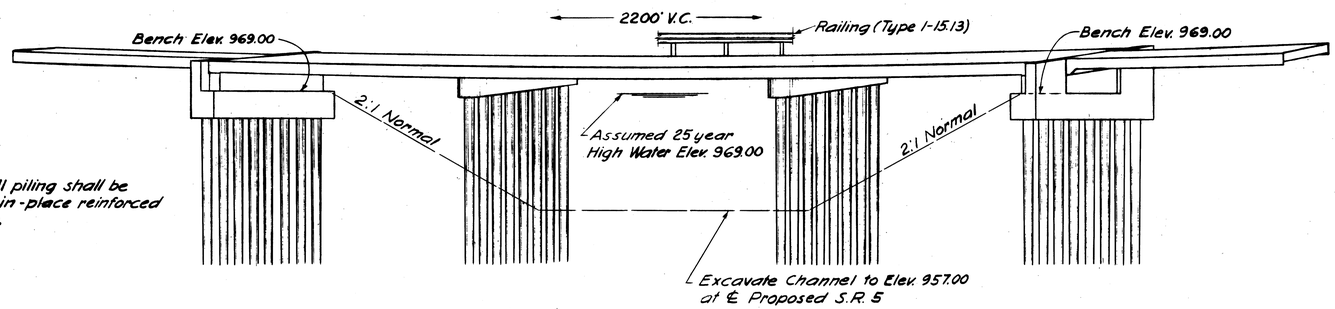
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED by
		A.M.	A.M.	J.C.L.	McNeely

FED. RD DIVISION	STATE	PROJECT		254
2	OHIO			

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



GENERAL PLAN



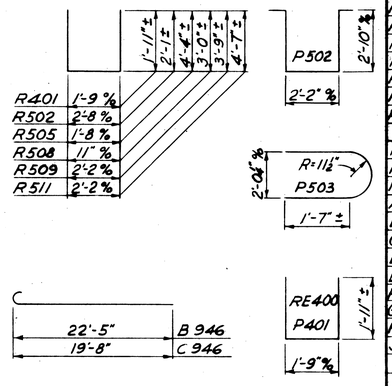
NOTE: All piling shall be 14" cast-in-place reinforced concrete.

ELEVATION

REINFORCING STEEL LIST

Mark	No.	Length	Weight	Shp
Abutments				
R401	64	5'-5"	232	B
R501	16	26'-6"	443	S
R502	156	6'-7"	1071	B
R503	16	22'-9"	380	S
R505	34	10'-1"	358	B
R506	8	12'-9"	106	S
R507	16	5'-0"	83	S
R508	28	6'-8"	195	B
R509	14	9'-5"	137	B
R510	12	6'-10"	85	S
R511	14	11'-1"	162	B
R801	16	27'-0"	1153	S
R1001	16	23'-6"	1618	S
R504	12	5'-4"	67	B
Replacement bars				
RE400	1	5'-5"		B
RE500	1	5'-7"		S
RE600	1	5'-11"		S
RE700	1	6'-3		S
RE800	1	6'-6"		S
RE900	2	6'-10"		S
RE1000	2	7'-3"		S

Bending Diagrams



Mark	No.	Length	Weight	Shp
Piers				
P401	64	5'-5"	232	B
P501	8	21'-10"	182	S
P502	74	9'-0"	695	B
P503	8	6'-4"	53	B
P701	96	4'-0"	785	S
P901	16	22'-5"	1219	S
P1001	16	24'-2"	1558	S
Superstructure				
K601	20	10'-11"	328	S
N601	120	23'-6"	4236	S
M701	162	23'-8"	7837	S
A946	123	32'-8"	13661	S
B946	40	23'-6"	3196	B
C946	36	20'-9"	2540	B
D946	20	22'-0"	1496	S
E946	18	16'-4"	1000	S
F1046	156	29'-4"	19691	S
G1046	38	14'-8"	2398	S
H1046	38	11'-7"	1894	S
J601	40	16'-6"	991	S

BAR SIZE is indicated in the bar mark. The first digit where three digits are used, and the first two digits whe four are used, indicate the bar size number. For example, R401 is a No. 4 size bar and R1046 is a No. 10 size.
REPLACEMENT BARS: If reinforcing bars are fabricated from stock which has previously been tested and approved by the Ohio Highway Testing Laboratory, test samples as provided in Sec. 5-4.02 need not be furnished and replacement bars will not be required.

GENERAL NOTES

REFERENCE shall be made to Standard Drawings CS-1-54 revised 7-16-56 and P-1-54 revised 12-1-54.
DESIGN SPECIFICATIONS: This structure conforms to the requirements of Design Specifications for Highway Structures of the State of Ohio, Department of Highways, dated 9-1-57.
PILES shall be driven to a minimum bearing capacity of 26 tons per pile for the abutments and 37 tons per pile for the piers.
PIER PILE ENCASEMENT as shown on Standard Drawing No. P-1-54 may be omitted provided that the tapered portion, if any, of all pier piles does not extend above the stream bed or the proposed surface of the ground. If the tapered portion of any pile extends above these limitations, the encasement will be required for all the pier piles. If the encasement is omitted the pile casings shall have a thickness of metal not less than No. 7 gauge, and the painting of the piles shall extend to low water elevation or, if the proposed surface of the ground is above low water, the painting shall extend to at least one foot below the proposed surface of the ground.
SLOPE FACING (529.05 Type) shall be provided under the structure at both abutments. The porous drain material shall be 12" thick and shall extend from the face of the abutment down to Elev. 957.00 and transversely to 3 ft. outside the edge of the superstructure.

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Superstr.	Abut.	Piers	General
E-2	60	Cu. Yd.	Unclassified excavation		60		
E-3	17,644	Cu. Yd.	Channel excavation				17,644
S-1	218	Cu. Yd.	Class "C" concrete, superstructure & pier caps	202		16	
S-1	60	Cu. Yd.	Class "E" concrete, abutments		60		
S-4	67,984	Lb.	Reinforcing steel	59,268	6090	4724	
S-14	185.12	Lin. Ft.	Railing (Type 1-15.13 with galvanized steel posts and bolts)	185.12			
S-16	Lump	Sum	First test pile				Lump Sum
S-18	1600	Lin. Ft.	14" cast-in-place reinforced concrete piles		800	800	
S-29	22	Cu. Yd.	Porous backfill		22		
S-29	179	Cu. Yd.	Slope Facing (S-29.05 Type)				179
1-10	451	Cu. Yd.	Dumped Rock Fill				451

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ENGINEERS
COLUMBUS OHIO

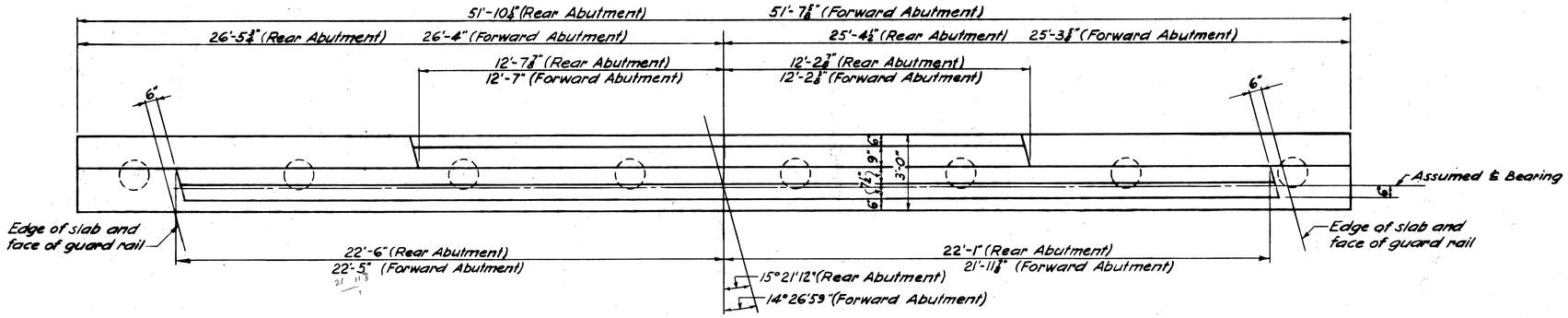
GENERAL PLAN & ELEVATION
ESTIMATED QUANTITIES & REINFORCING STEEL LIST
BRIDGE NO. WAY-5-1688
OVER MILL CREEK
WAYNE COUNTY
STA. 891 + 03.72
STA. 891 + 96.28

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
A.M.	A.M.	A.M.	J.C.L.	McNee	4/11/57	

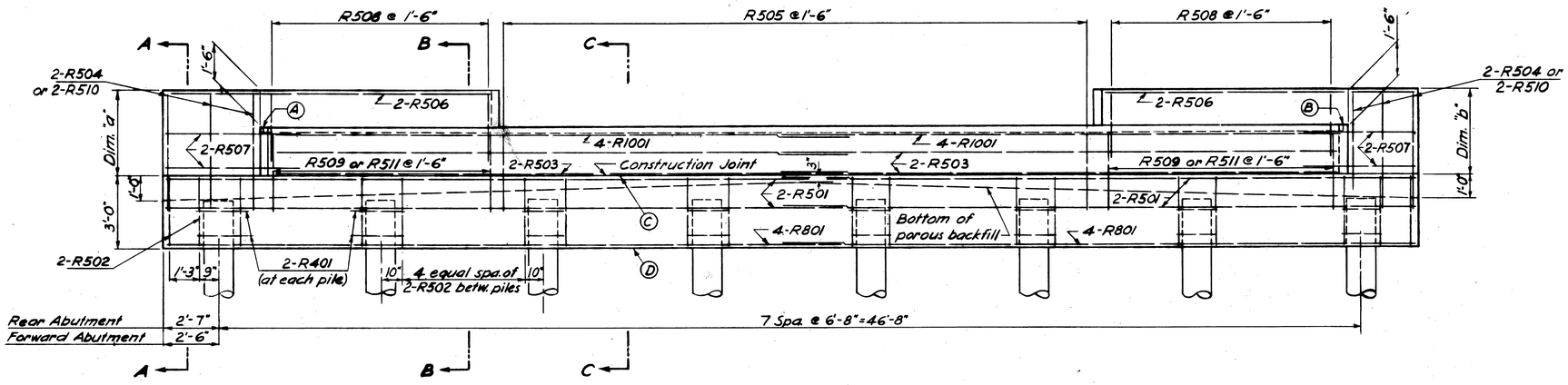
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

285

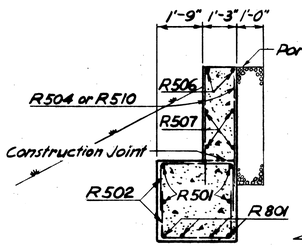
WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



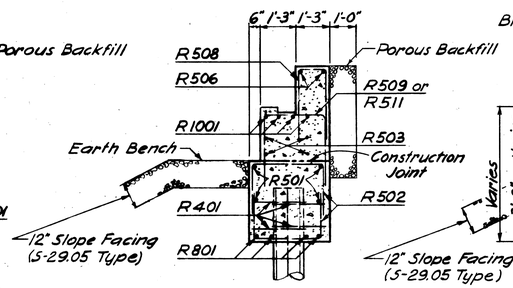
PLAN



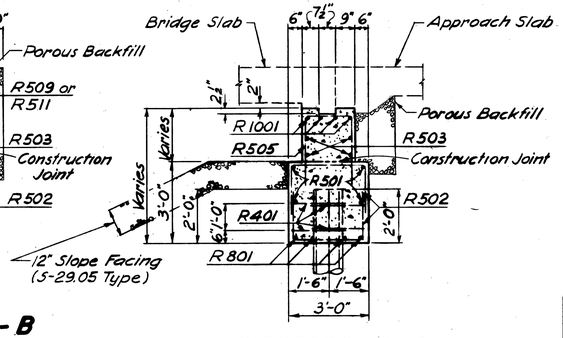
ELEVATION



SECTION A-A



SECTION B-B



SECTION C-C

Item	Elev. A	Elev. B	Elev. C	Elev. D	Dim. a	Dim. b
Rear Abutment	971.04	972.40	969.00	966.00	3'-5"	5'-0"
Forward Abutment	972.46	971.08	969.00	966.00	5'-1⅝"	3'-5¾"

NOTES

POROUS BACKFILL shall extend upward to the approach slab and to the surface of the earth shoulders, and outward to the surface of the embankment slopes. Excavation therefor, in excess of that required for construction of the abutment, shall be considered as paid for in the bid price per cu. yd. paid for porous backfill.

CONCRETE shall be Class "E".

DESIGN LOAD FOR PILES is 26 tons per pile for abutment piles.

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ABUTMENT DETAILS

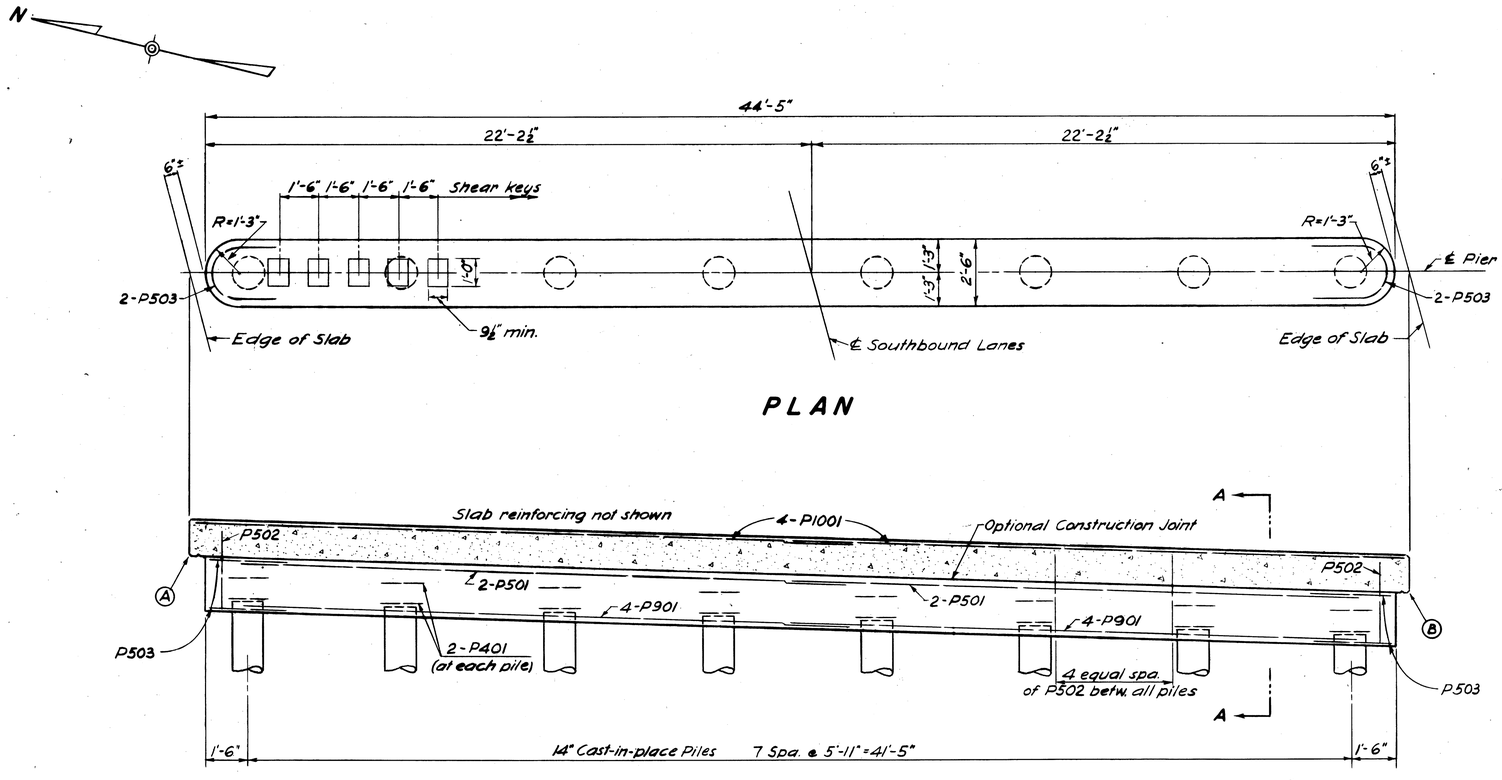
BRIDGE NO. WAY-5-1688
OVER MILL CREEK
WAYNE COUNTY
STA. 891 + 03.72
STA. 891 + 96.28

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
A.M.	A.M.	A.M.	J.C.L.	McNee	11/6/57	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

286

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

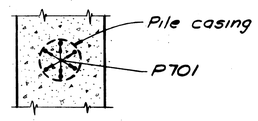


PLAN

ELEVATION

NOTES

SLAB THICKNESS is 16 in. which includes 1 in. for monolithic wearing surface.
CONCRETE shall be Class "C".
DESIGN LOAD FOR PILES is 37 tons per pile for pier piles.



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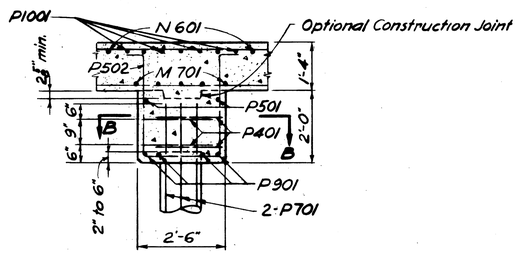
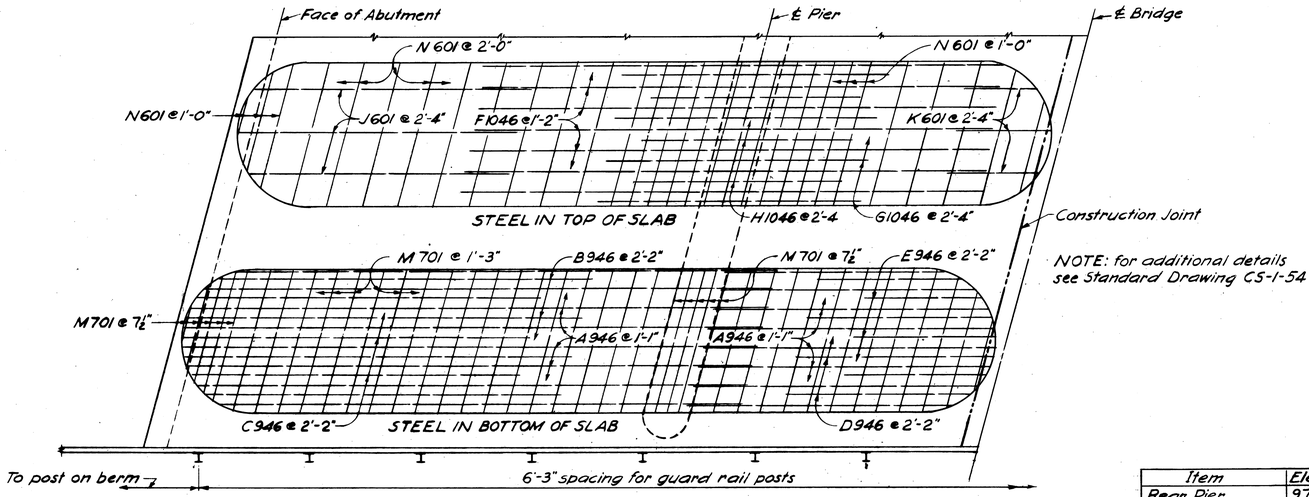


SECTION A - A



NOTE: for additional details see Standard Drawing CS-1-54

PART PLAN OF SLAB

Item	Elev. A	Elev. B
Rear Pier	972.60	971.18
Forward Pier	972.62	971.20

Revised 7-18-58

TYLE, STICKLER, JORDAN & McNEE
ENGINEERS
COLUMBUS OHIO

PIER & SLAB DETAILS

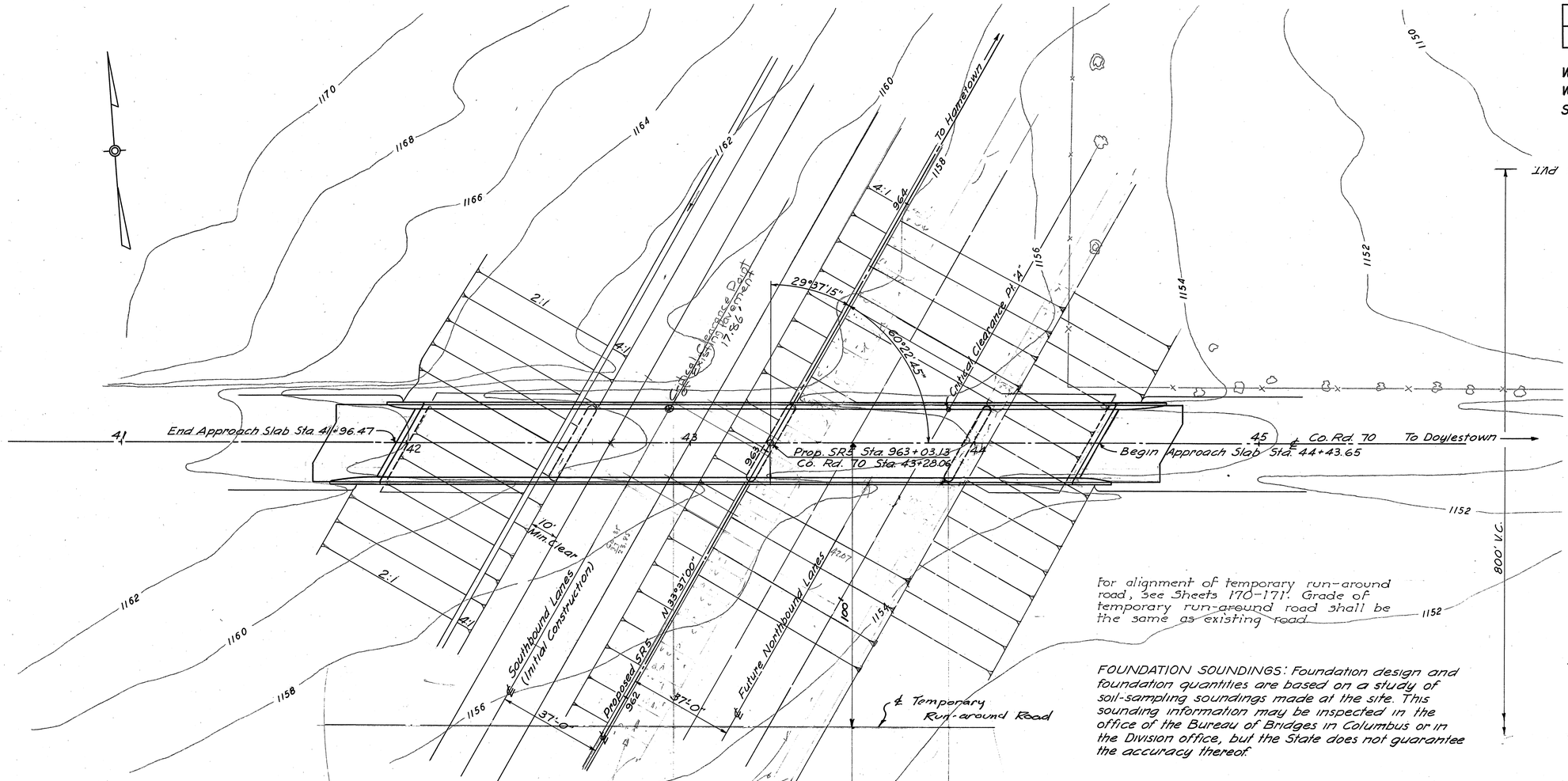
BRIDGE NO. WAY-5-1688
OVER MILL CREEK
WAYNE COUNTY
STA. 891 + 03.72
STA. 891 + 96.28

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
A.M.	A.M.	A.M.	J.C.L.	McNee	10/11/57	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	[illegible]	

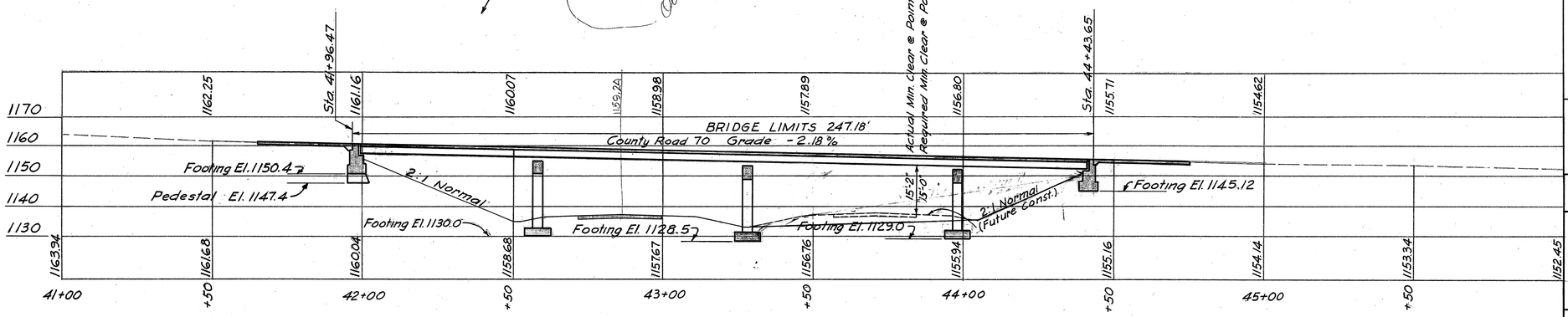
257

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



for alignment of temporary run-around road, see Sheets 170-171. Grade of temporary run-around road shall be the same as existing road.

FOUNDATION SOUNDINGS: Foundation design and foundation quantities are based on a study of soil-sampling soundings made at the site. This sounding information may be inspected in the office of the Bureau of Bridges in Columbus or in the Division office, but the State does not guarantee the accuracy thereof.



PROPOSED STRUCTURE
Type: Continuous steel beam with reinf. conc. deck and substructure.
Span: 59': 70': 70': 43' c/c bearings.
Roadway: 24' 1/4 2'-1" safety curbs.
Load Frequency: CF = 130 (57).
Skew: 29°37'15" L.F.
Wearing Surface: 3/4" Monolithic.
Approach Slabs: AS-1-54 Rev. 12-1-54 (25' Long).
Alignment: Tangent.
Traffic: 820 - Estimated A.D.T. (1955).

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COLUMBUS OHIO

SITE PLAN

BRIDGE NO. WAY - 5 - 1824 WAY-SBS-16.47
COUNTY ROAD 70 OVER PROPOSED S.R. 5
WAYNE COUNTY STA. 963 + 03.13
SCALE: 1" = 20'

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
		J.C.L.	A.M.	E.W.T.	R.B.Y.

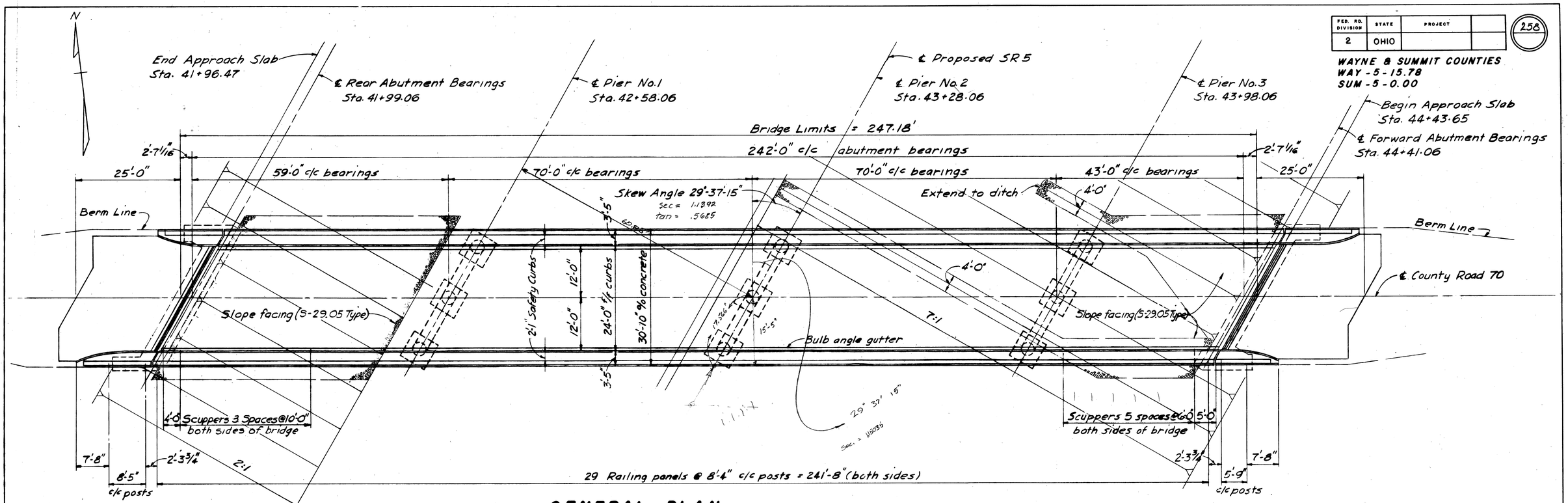
WAY SBS-16.47

SHT 10

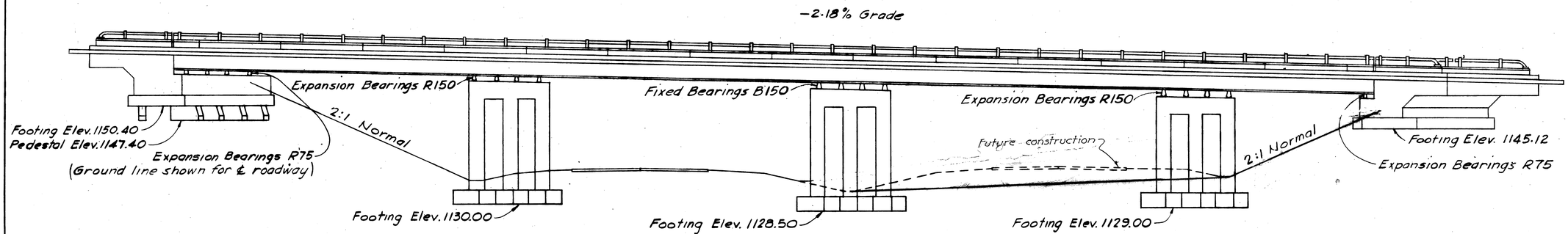
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

258

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



GENERAL PLAN



ELEVATION

GENERAL NOTES:-

REFERENCE shall be made to Standard Drawings AR-1-57 dated 4-9-57 (Type A), AS-1-54 revised 12-1-54, CSB-2-56 Sheet No. 2 dated 12-3-56, CSB-2-56 Sheet No. 3 dated 12-3-56, RB-1-55 dated 3-1-55 and to Supplemental Specification No. S-114 (aluminum for bridge railing) revised 8-1-57

DESIGN SPECIFICATIONS: This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio, Department of Highways dated 9-1-57.

WELDING of structural steel shall be Class "A" except as otherwise shown. Class "B" welds shown thus B>—<. Any welds shown as field welds may, at the option of the contractor, be made in the shop.

SLOPE FACING (S-29.05 TYPE) shall be provided under the structure at both abutments. The slope facing (S-29.05 Type) material shall be 12" thick and shall extend from the face of the abutment to the flow line of the ditch and transversely to 3 feet outside of the edge of the superstructure at the rear abutment. For the forward abutment see General Plan.

FOOTINGS shall extend a minimum of 3' into solid rock or to the elevations shown, whichever is lower.

FOUNDATION BEARING PRESSURE: Rear abutment footings are designed for a maximum bearing pressure of 6.7 tons per sq. ft.
Pier footings are designed for a maximum bearing pressure of 6.2 tons per sq. ft
Forward abutment footings are designed for a maximum bearing pressure of 1.9 tons per sq. ft.

Revised 3-20-58

WAY - 585 - 1647

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ENGINEERS
COLUMBUS OHIO

GENERAL PLAN & ELEVATION

BRIDGE NO. WAY - 5 - 1824
COUNTY ROAD 70 OVER PROPOSED S.R. 5
WAYNE COUNTY STA. 963. +03.13

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T	W.J.W.	J.H.B.	E.W.T.	F.B.Y	12/2/57	

FED. RD. DIVISION	STATE	PROJECT		259
2	OHIO			

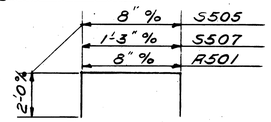
WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

REINFORCING STEEL LIST

Superstructure

Mark	No	Length	Weight	Shp
S501	390	30'-2"	12271	S
S502	2 5/8 of 2	27'-10" c. 28'-10 1/4"	118	S
S503	2 5/8 of 19	Varies from 7'-11 1/2" to 26'-1"	674	S
S504	7	7'-0"	51	S
S505	352	4'-8"	1713	B
S506	314	3'-0"	983	S
S507	628	2'-3"	1474	B
S508	4	18'-2"	76	S
S601	390	30'-2"	17671	S
S602	470	26'-1"	18413	S
S603	22	30'-0"	991	S
S604	22	28'-0"	925	S
S605	22	22'-0"	727	S
S606	2 7/8 of 2	27'-10" c. 28'-10 1/4"	170	S
S607	2 5/8 of 19	Varies from 7'-11 1/2" to 26'-1"	970	S
S608	7	7'-0"	74	S

Bending Diagram



Increment 1'-0 1/4"

Increment 1'-0 1/4"

Increment 1'-0 1/4"

Increment 1'-0 1/4"

Railing

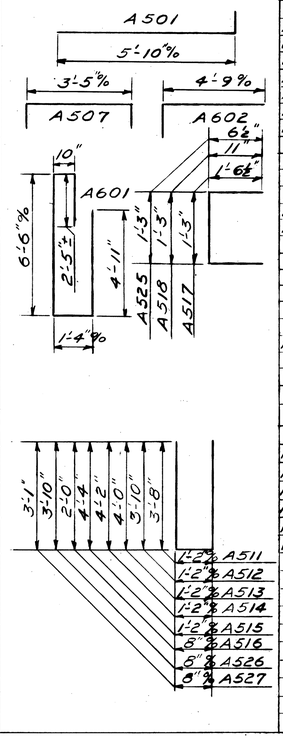
Mark	No	Length	Weight	Shp
R501	352	1'-8"	*	B
R502	112	16'-4"	*	S
R503	16	5'-0"	*	S
R504	8	12'-7"	*	S
R505	8	15'-3"	*	S

* Included with railing for payment

Abutments

Mark	No	Length	Weight	Shp
A501	86	6'-4"	568	B
A502	72	2'-7"	194	S
A503	2	32'-0"	67	S
A504	20	18'-0"	375	S
A505	12	17'-0"	213	S
A506	6	30'-0"	188	S
A507	40	4'-5"	184	B
A508	4	16'-9"	70	S
A509	10	6'-3"	65	S
A510	32	7'-9"	259	S
A511	24	8'-6"	213	B
A512	4	8'-10"	37	B
A513	4	9'-2"	38	B
A514	4	9'-6"	40	B
A515	2	9'-10"	21	B
A516	58	4'-8"	283	B
A517	88	4'-4"	398	B
A518	16	3'-1"	51	B
A519	4	9'-2"	38	S
A520	4	8'-5"	35	S
A521	2	10'-0"	21	S
A522	4	18'-6"	77	S
A523	2	9'-6"	20	S
A524	34	4'-6"	160	S
A525	8	2'-4"	19	B
A526	6	8'-4"	52	B
A527	6	6'-10"	43	B
A601	60	16'-0"	1442	B
A602	22	5'-3"	173	B
A603	22	7'-10"	259	S
A604	2	8'-6"	26	S
A605	2	10'-6"	32	S
A606	6	17'-0"	153	S
A607	4	7'-6"	45	S
A608	10	13'-6"	203	S
A609	8	5'-0"	60	S
A610	4	18'-8"	112	S
A611	2	13'-0"	39	S
A612	6	16'-1"	145	S
A613	4	15'-3"	92	S
A614	40	4'-0"	240	S

Bending Diagram



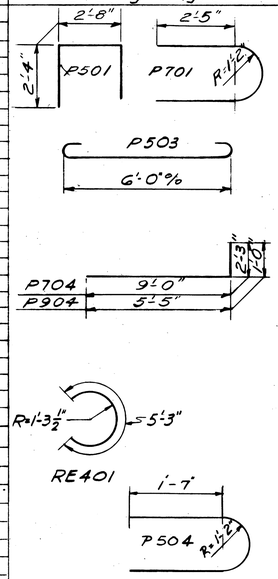
Piers

Mark	No	Length	Weight	Shp
P501	84	7'-4"	642	B
P502	6	27'-9"	174	S
P503	144	7'-2"	1077	B
P504	12	6'-10"	84	B
P701	6	8'-6"	105	B
P702	18	16'-3"	597	S
P703	6	27'-7"	339	S
P704	30	11'-3"	690	B
P901	36	21'-5"	2622	S
P902	36	21'-4"	2611	S
P903	36	19'-4"	2366	S
P904	108	6'-5"	2358	B
P1001	15	16'-6"	1065	S

Replacement Bars

RE1001	1	7'-3"		S
RE901	1	6'-10"		S
RE701	1	6'-3"		S
RE601	3	5'-10"		S
RE501	2	5'-7"		S
RE401	1	5'-3"		B

Bending Diagram



Spiral Reinforcing List

Mark	No	Core Dia % Spiral	Length	Pitch	No Turns	Weight
P401	3	32	18'-3"	4 1/2"	52	1009
P402	3	32	18'-2	4 1/2"	52	1008
P403	3	32	16'-2"	4 1/2"	46	892

SPIRAL REINFOACING BARS

The "Length" shown in the steel list for the spiral bars is the distance from the top of the footing to the underside of the pier cap.
The "No. of Turns" shown in the steel list for the spiral bars is the "Length" divided by the pitch, plus 3 turns (total number of closed coils), expressed as the nearest whole number
Spiral reinforcing bars shall not have deformations but shall in other respects conform to Item 5-4
1½ closed coils shall be provided at the ends of each spiral unit
Four steel channel, tee or angle spacers, weighing approximately 0.68 lb. per lin ft of spacer, shall be provided for each spiral unit. They shall be equally spaced along the periphery of the coil. The number of pounds of these spacers, based on 0.68 lb. per lin. ft, will be paid for as reinforcing steel and is included in the tabulated quantity of spiral bars

BAR SIZE is indicated in the bar mark. The first digit where three digits are used and the first two digits where four are used, indicate the bar size number. For example, P701 is a No. 7 size bar and P1004 is a No. 10 size bar.

REPLACEMENT BARS: If the bars are fabricated from stock that has previously been tested and approved by the Ohio Highway Testing Laboratory, the furnishing of test samples and replacement bars will not be required.

TEMPORARY RUN-AROUND ROAD: Use T-10 surface course. Aggregate and chloride required for surfacing are included in Roadway Quantities.

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Super.	Rear Abut.	Pier 1	Pier 2	Pier 3	Forward Abut	General
E-2	Lump	Sum	Cofferdams, cribs and sheeting							Lump
E-2	556	Cu.Yds.	Unclassified excavation		118	74	67	208	89	
5-1	235	Cu.Yds.	Class "C" Concrete - Superstructure	235						
5-1	78	Cu.Yds.	Class "C" Concrete - Pier caps & columns			26	26	26		
5-1	139	Cu.Yds.	Class "E" Concrete - Abutments		73				66	
5-1	42	Cu.Yds.	Class "E" Concrete - Pier footings			14	14	14		
5-4	81,690	Lbs.	Reinforcing steel	57301	3495	6008	5996	5635	3255	
5-7	185,300	Lbs.	Structural steel	185,300						
5-8	185,300	Lbs.	Field painting of structural steel	185,300						
5-14	544.83	Lin.Ft.	Railing (aluminum rail and supports, concrete parapet)	487.83	28.50				28.50	
5-15	Lump	Sum	Temporary Run-around Road							Lump Sum
S-29	95	Cu.Yds.	Slope facing (S-29.05 Type)		66				29	
S-29	28	Cu.Yds.	Porous backfill		14				14	

YULE, STICKLEN, JORDAN & McNEE
ENGINEERS
COLUMBUS OHIO

ESTIMATED QUANTITIES & REINFORCING STEEL LIST

BRIDGE NO. WAY - 5 - 1824
COUNTY ROAD 70 OVER PROPOSED S.R. 5
WAYNE COUNTY STA. 963 + 03.13

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T	E.A.B	J.H.B.	E.W.T.	R.B.Y.	12/2/57	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

260

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

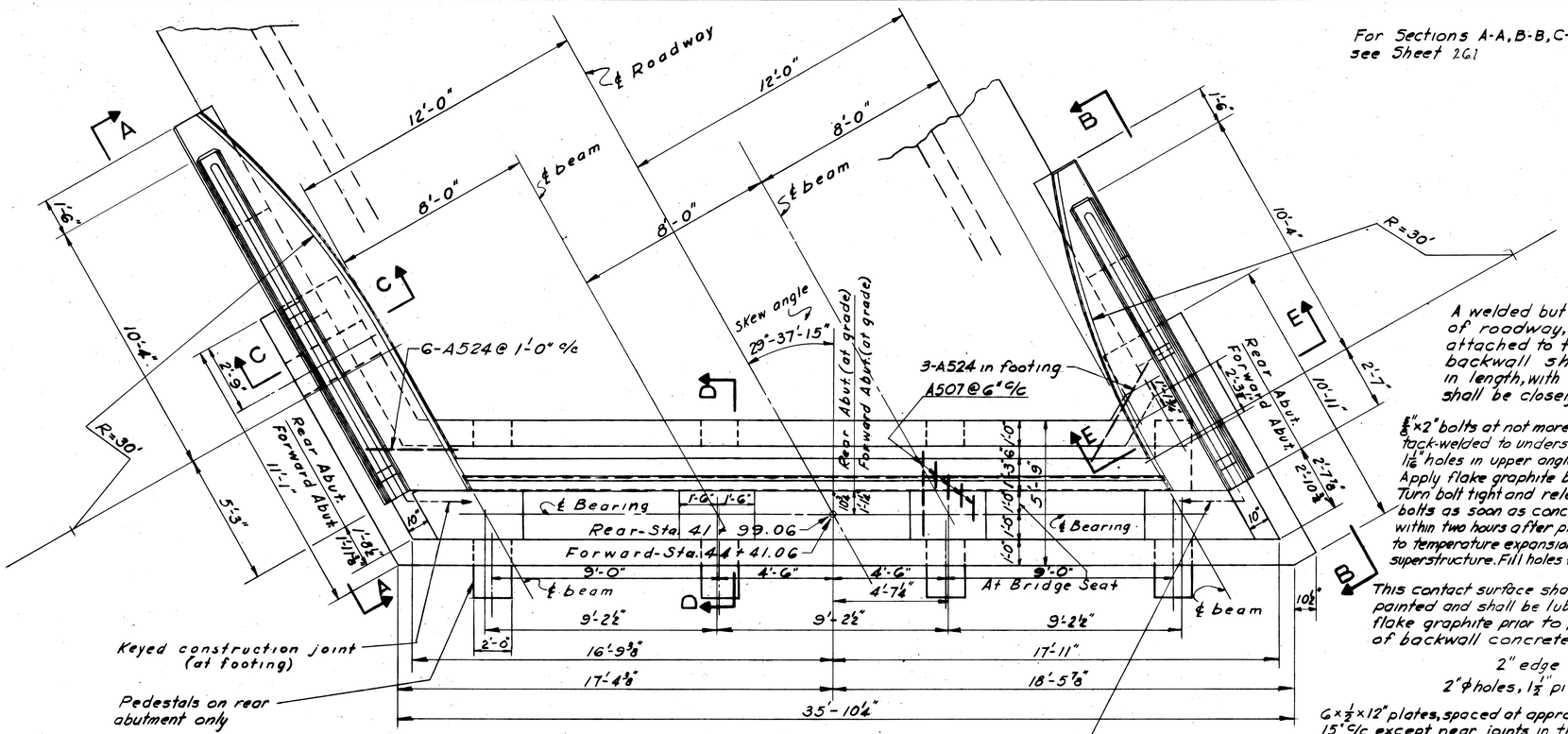
For Sections A-A, B-B, C-C & E-E see Sheet 261

FOUNDATION BEARING PRESSURE: Rear abutment footings are designed for a maximum bearing pressure of 6.7 tons per sq. ft. Forward abutment footings are designed for a maximum bearing pressure of 1.9 tons per sq. ft.

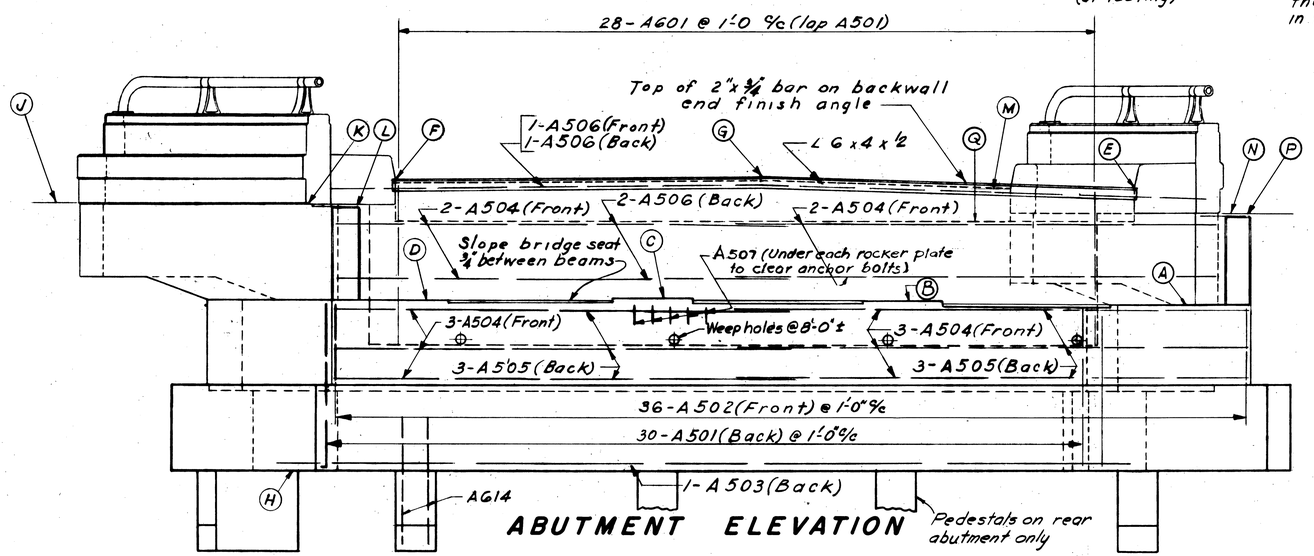
POROUS BACKFILL, 2 ft. thick, full length of abutment and wings, shall extend up to the underside of the approach slab.

CONCRETE shall be Class "E"

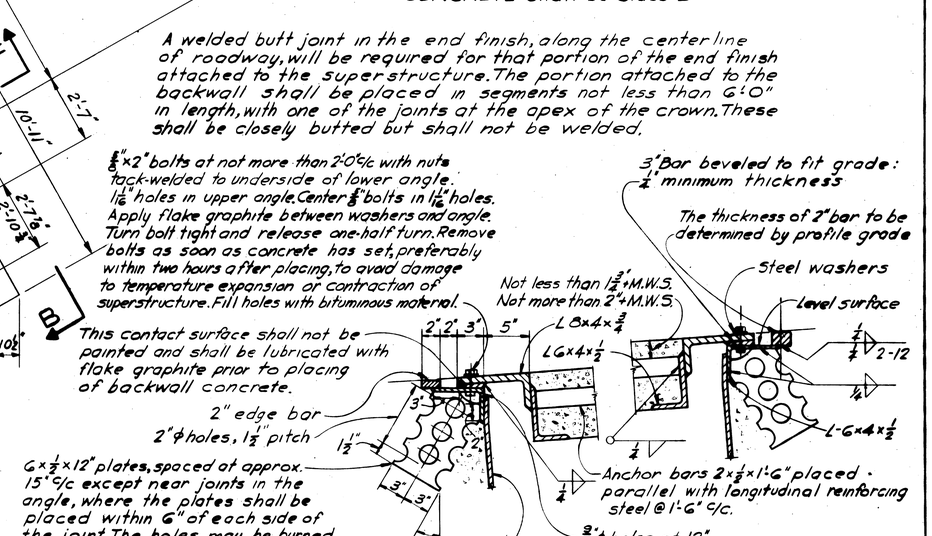
A welded butt joint in the end finish, along the centerline of roadway, will be required for that portion of the end finish attached to the superstructure. The portion attached to the backwall shall be placed in segments not less than 6'-0" in length, with one of the joints at the apex of the crown. These shall be closely butted but shall not be welded.



ABUTMENT PLAN

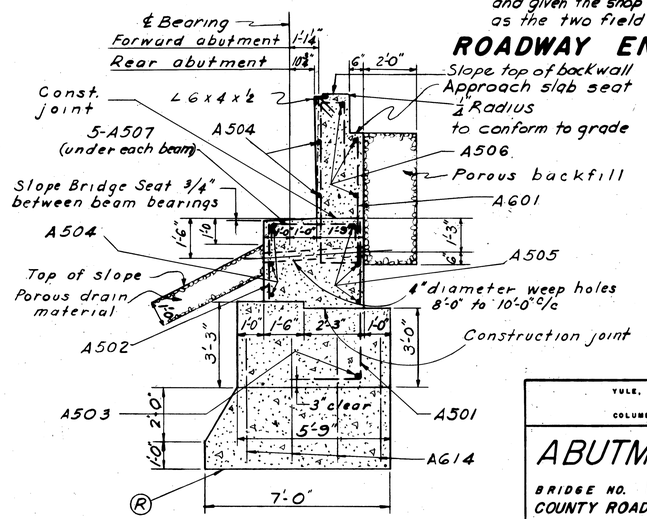


ABUTMENT ELEVATION



Omit shop coat on all portions of end finish. Portions in contact with steel or with concrete shall not be painted. All other portions shall be cleaned and given the shop coat in the field as well as the two field coats.

ROADWAY END FINISH



SECTION D-D

ABUTMENT	ELEVATIONS															
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
Rear	1156.40	1156.62	1156.72	1156.70	1160.86	1161.16	1161.20	1150.40	1160.80	1160.45	1160.41	1160.39	1160.11	1160.05	1159.53	1147.40
Forward	1151.42	1151.45	1151.35	1151.12	1155.84	1155.54	1155.88	1145.12	1154.38	1154.79	1154.84	1154.79	1155.13	1155.20	1154.51	–

YULE, STICKLEN, JORDAN & McHEE ENGINEERS
COLUMBUS OHIO

ABUTMENT DETAILS

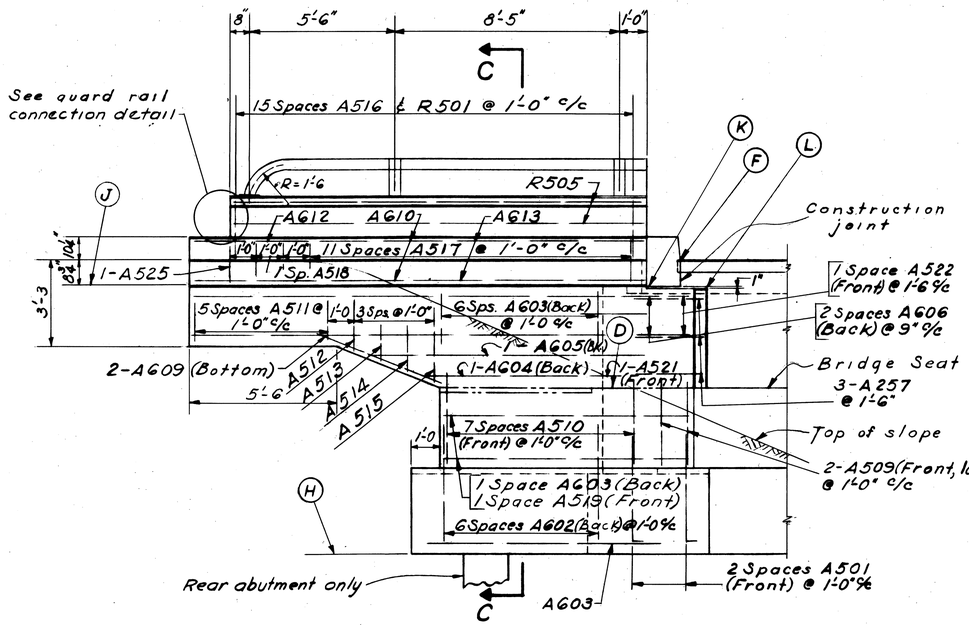
BRIDGE NO. WAY-5-1824
COUNTY ROAD 70 over PROPOSED S.R. 5
WAYNE COUNTY STA. 963 + 03.13

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T	E.A.B.	M.R.D.	E.W.T.	R.B.Y.	12/2/57	

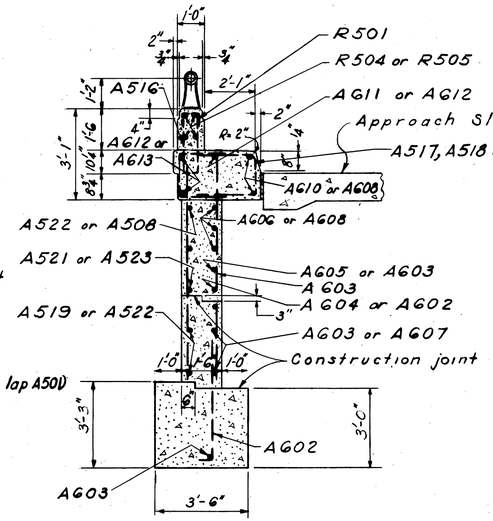
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

2G1

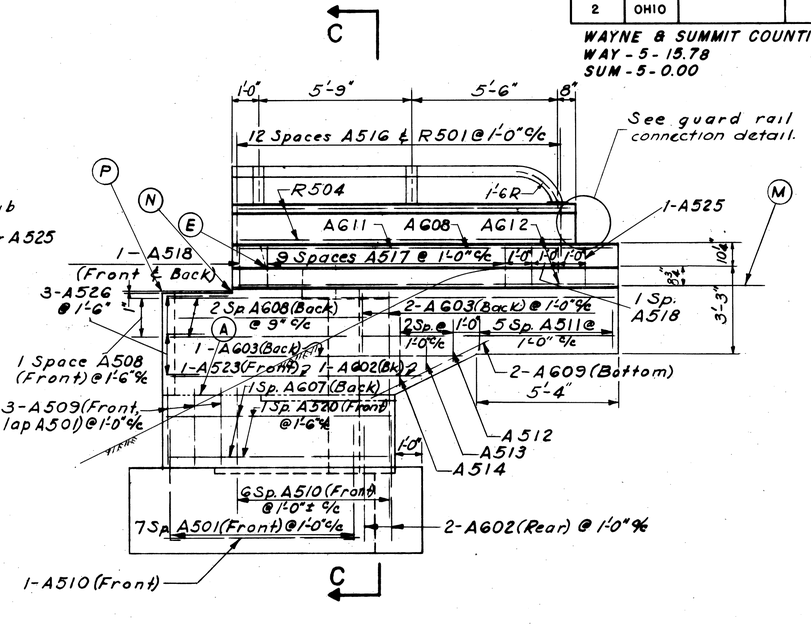
WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



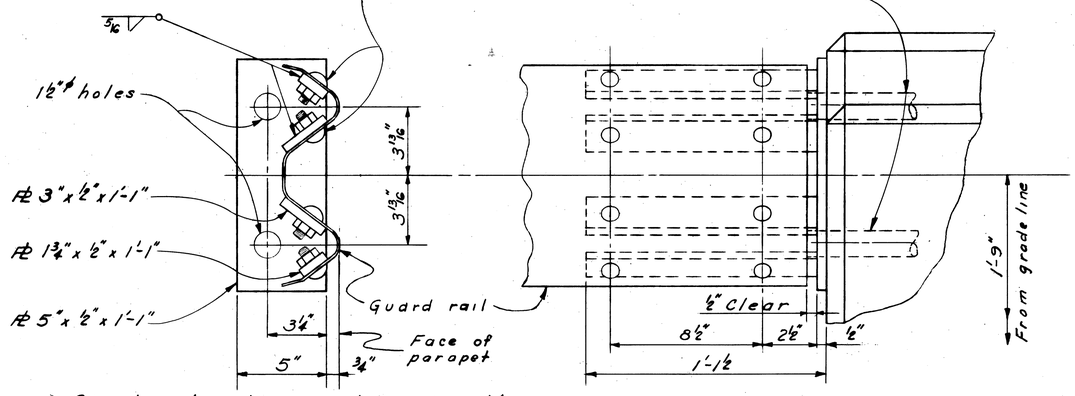
ELEVATION A-A



SECTION C-C



ELEVATION B-B

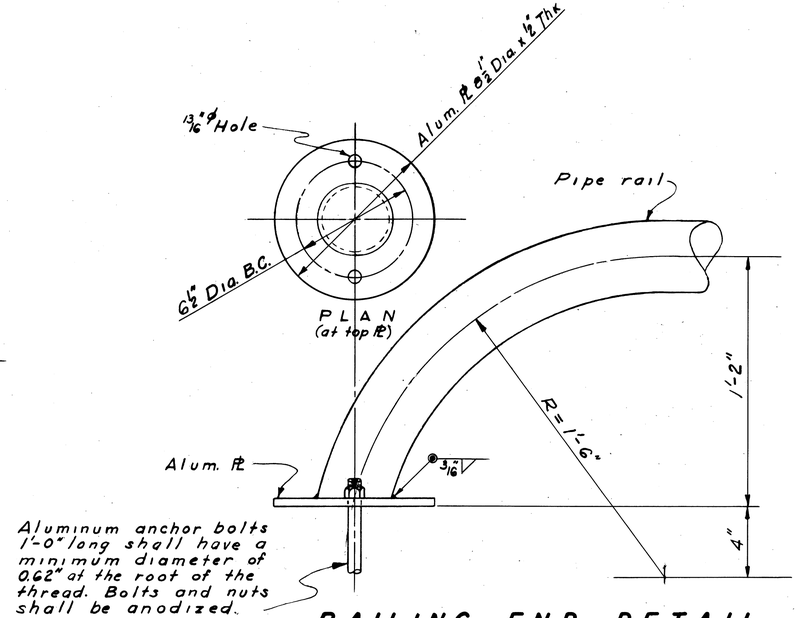


Guard rail end connection assembly (above) shall be galvanized after welding

GUARD RAIL CONNECTION DETAIL

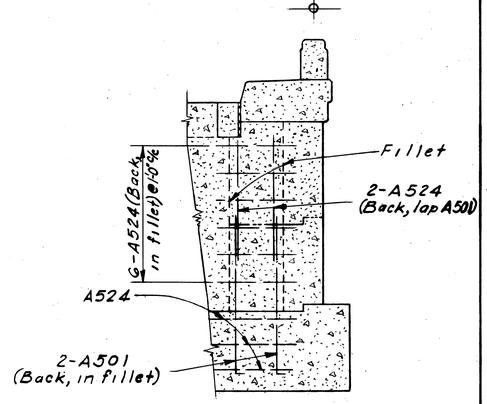
(As seen from pavement side)

Payment is included with Item 5-7



Aluminum anchor bolts 1'-0" long shall have a minimum diameter of 0.62" at the root of the thread. Bolts and nuts shall be anodized.

RAILING END DETAIL



SECTION E-E

YULE, STICKLEN, JORDAN & McHEE ENGINEERS
COLUMBUS OHIO

ABUTMENT DETAILS

BRIDGE NO. WAY-5-1824
COUNTY ROAD 70 over PROPOSED S.R. 5
WAYNE COUNTY STA. 963+03.13

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T.	E.A.B.	M.R.D.	E.W.T.	R.B.Y.	12/2/57	

NOTE
REINFORCING STEEL in pier cap shall be placed so that it will not interfere with anchor bolts
CONCRETE shall be Class "C" in pier caps and columns and Class "E" in footings

FED. RD DIVISION	STATE	PROJECT	
2	OHIO		

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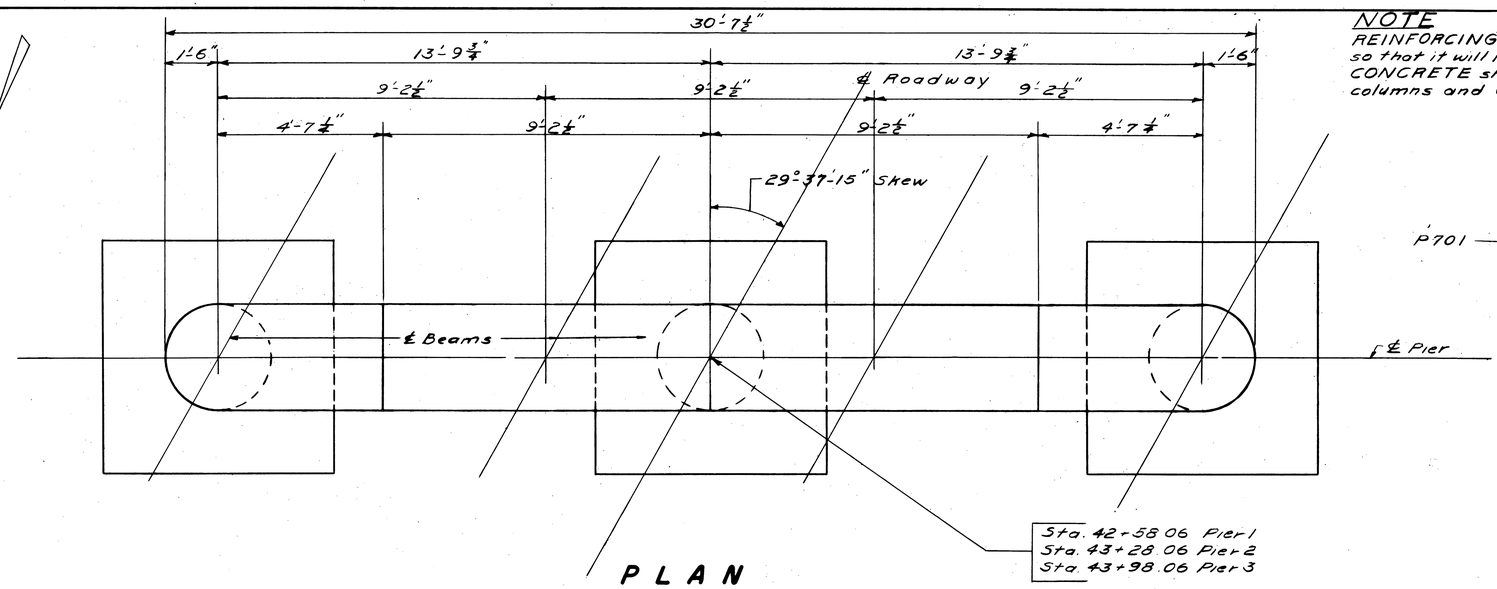
WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

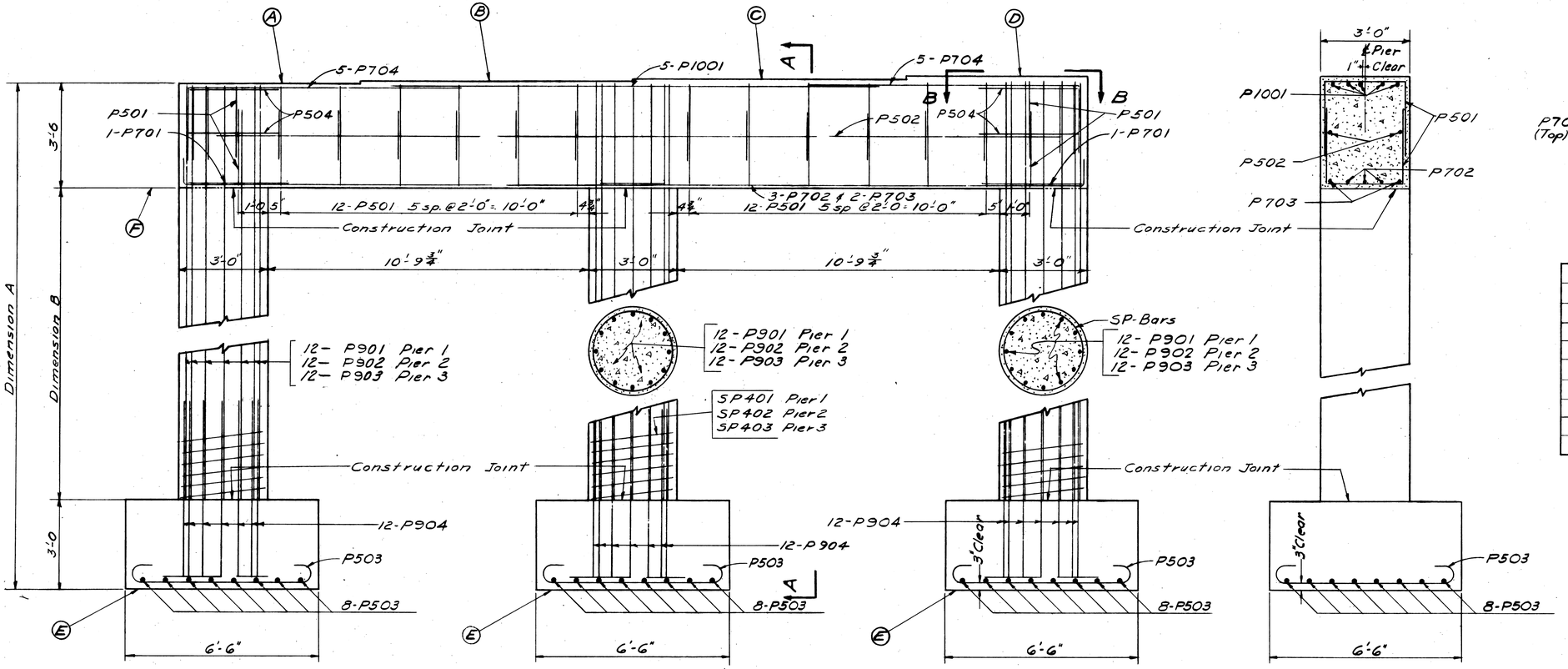


PLAN



REINFORCING IN BOTTOM OF CAP

FOUNDATION BEARING PRESSURE: Pier footings are designed for a maximum bearing pressure of 6.2 tons per sq. ft.



ELEVATION

SECTION A-A

VIEW B-B

	PIER 1	PIER 2	PIER 3
Elev. A	1154.76	1153.22	1151.70
Elev. B	1154.98	1153.45	1151.93
Elev. C	1155.08	1153.55	1152.03
Elev. D	1155.05	1153.52	1152.00
Elev. E	1130.00	1128.50	1129.00
Elev. F	1151.26	1149.72	1148.20
Dim. A	24'-9⅛"	24'-8⅜"	22'-8⅜"
Dim. B	18'-3½"	18'-2⅝"	16'-2⅝"

YULE, STICKLEN, JORDAN & McHEE
ENGINEERS
COLUMBUS OHIO

PIER DETAILS

BRIDGE NO. WAY-5-1824
COUNTY ROAD 70 OVER PROPOSED S.R. 5
WAYNE COUNTY STA. 963+03.13

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T.	E.A.B.	E.A.B.	E.W.T.	R.B.Y.	12/2/57	

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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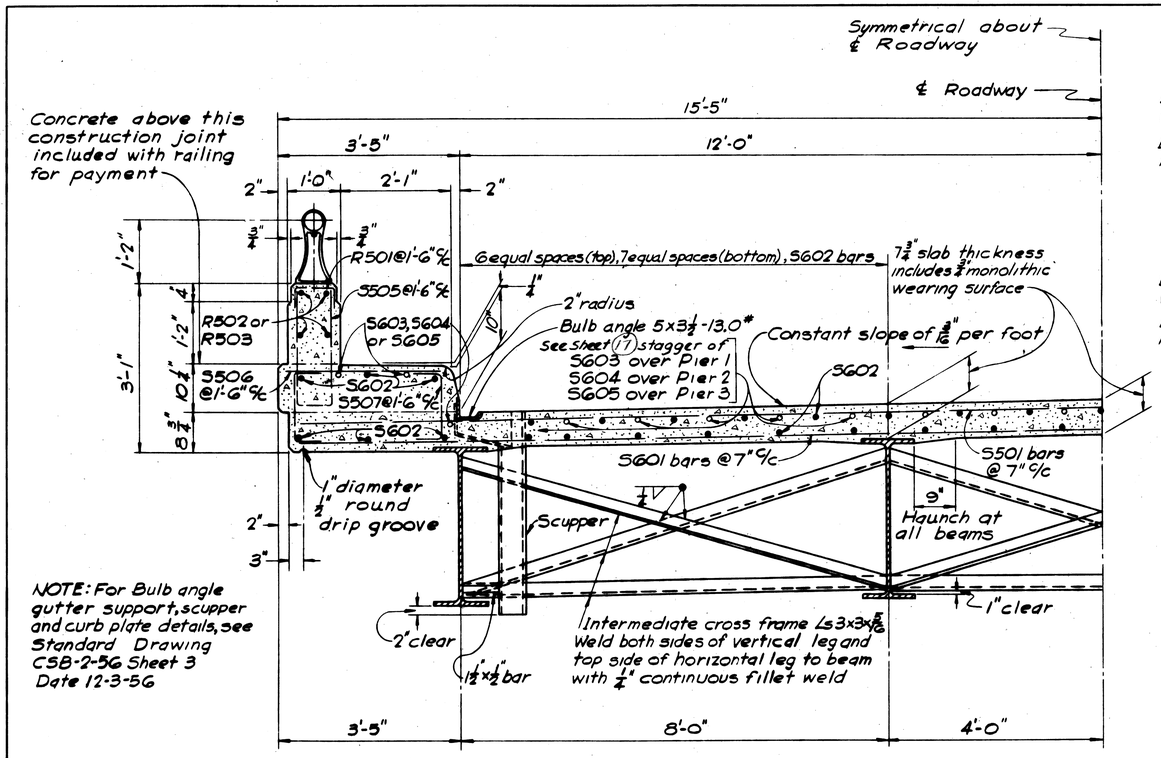


NOTE: For Bulb angle gutter support, scupper and curb plate details, see Standard Drawing CSB-2-56 Sheet 3 Date 12-3-56

Beams shown are 36WF 150

HALF TRANSVERSE SECTION

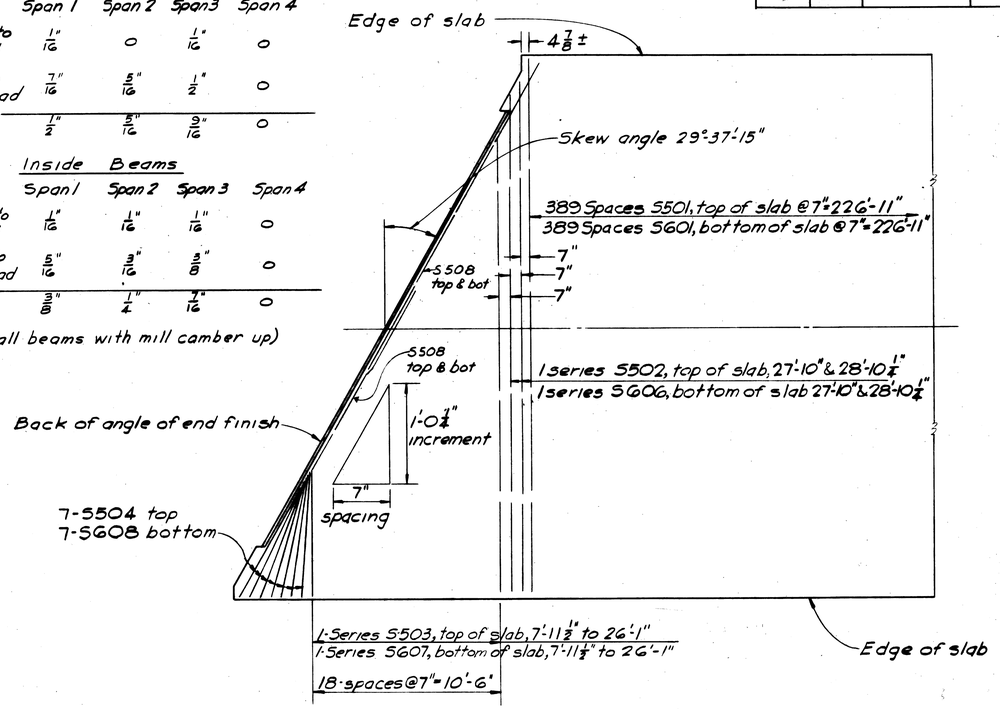
Outside Beams

	Span 1	Span 2	Span 3	Span 4
Deflection due to weight of steel	1/16"	0	1/16"	0
Deflection due to remaining dead load	7/16"	5/16"	1/2"	0
Total	1/2"	5/16"	9/16"	0

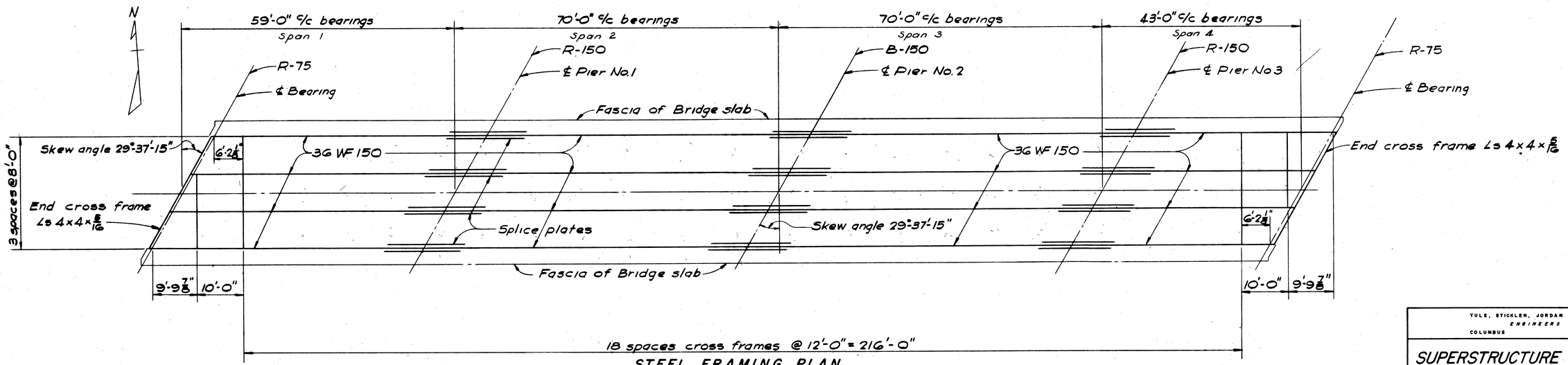
Inside Beams

	Span 1	Span 2	Span 3	Span 4
Deflection due to weight of steel	1/16"	1/16"	1/16"	0
Deflection due to remaining dead load	5/16"	3/16"	5/8"	0
Total	3/8"	1/4"	7/16"	0

(Place all beams with mill camber up)



STEEL LAYOUT AT END OF SUPERSTRUCTURE



STEEL FRAMING PLAN

CONCRETE DECK PLACING: In order to facilitate water curing of the concrete of the deck slab, the placing of concrete shall progress upgrade. The slab may be placed in sections, between transverse construction joints which are normal to the centerline of bridge and are located near the center of any span

For details of end crossframes, beam cut-off at back wall and welded butt-joint in superstructure see Standard Drawing No. CSB-2-56 Sheet 2, Date 12-3-56.
Aluminum railing post see Standard Drawing No. AR-1-57, Date 4-9-57, Type A.

YULE, STICKLEN, JORDAN & McNEE
ENGINEERS
COLUMBUS OHIO

SUPERSTRUCTURE DETAILS

BRIDGE NO. WAY-5-1824
COUNTY ROAD 70 OVER PROPOSED S.R. 5
WAYNE COUNTY STA. 963 + 03.13

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T.	W.J.W.	J.H.B.	E.W.T.	P.B.Y.	12/2/57	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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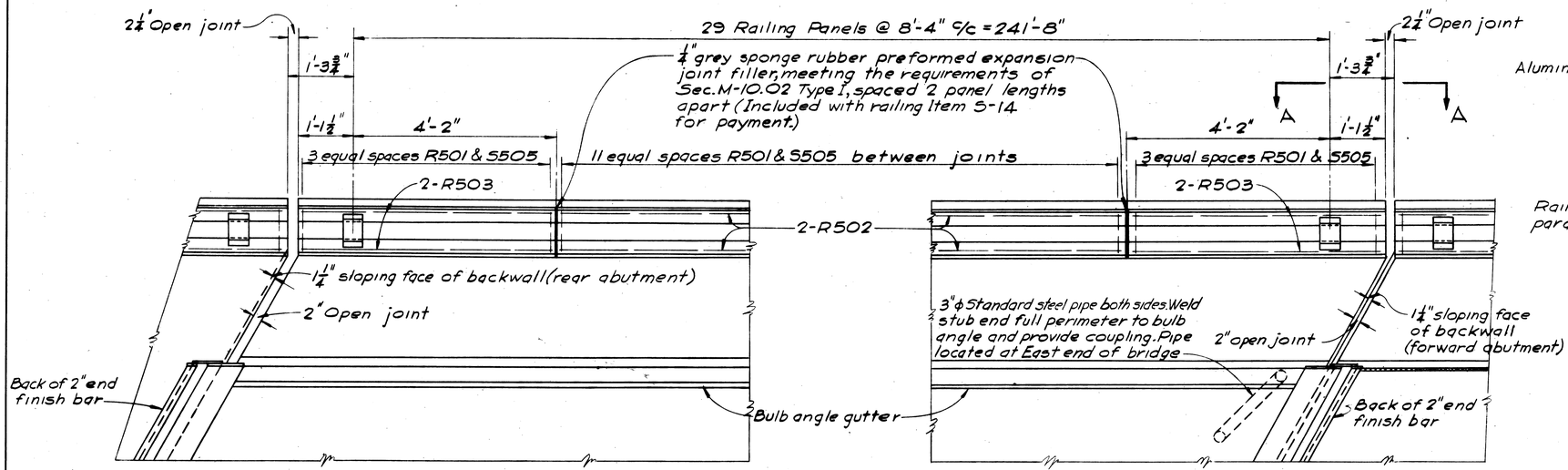
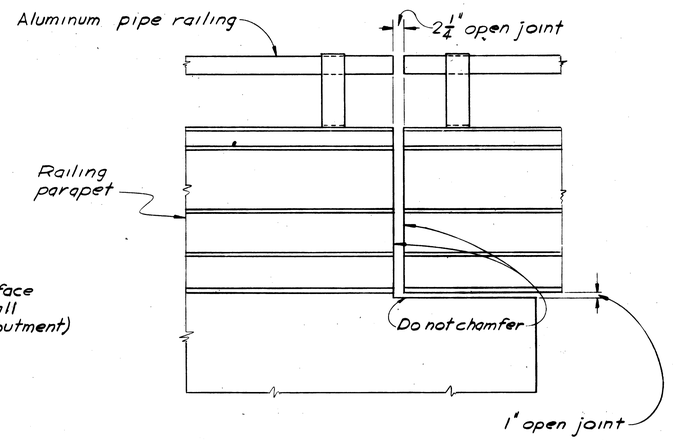
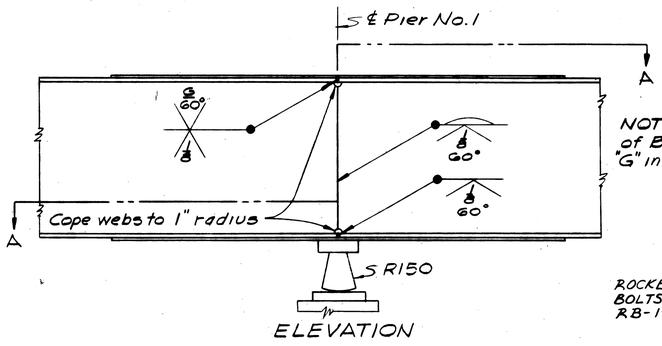
WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



PART PLAN AT ABUTMENTS



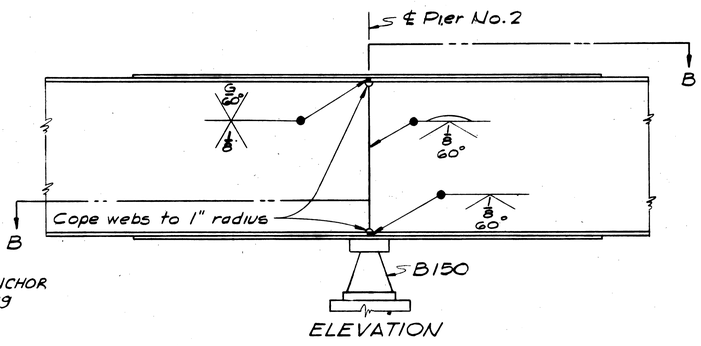
VIEW A-A



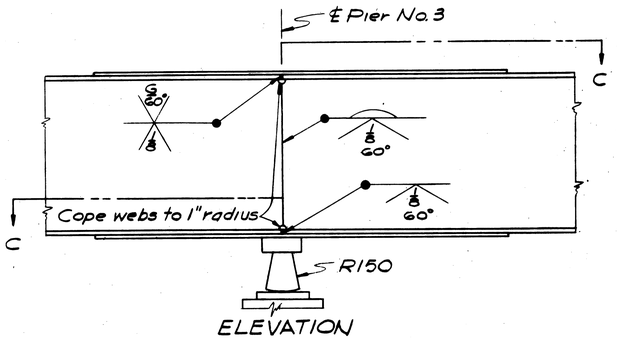
ELEVATION

NOTE: In all Elevations of Beam Splice Details "G" indicates grinding

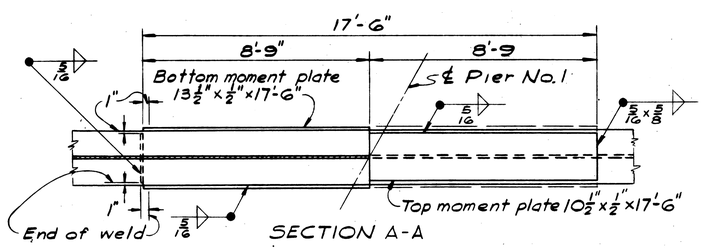
ROCKERS, BOLSTERS AND ANCHOR BOLTS: See Standard Drawing RB-1-55 dated 3-1-55



ELEVATION

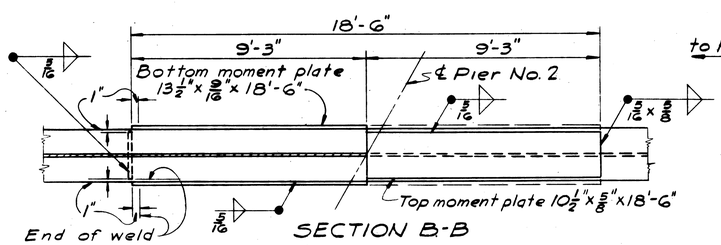


ELEVATION



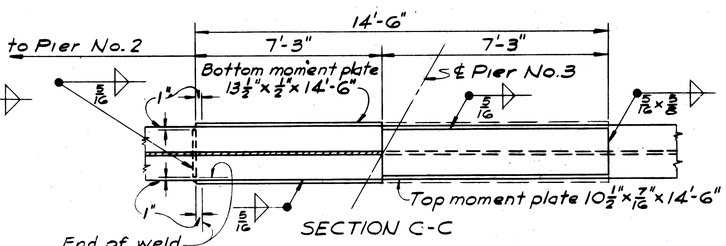
SECTION A-A

BEAM SPLICE DETAILS AT PIER NO. 1



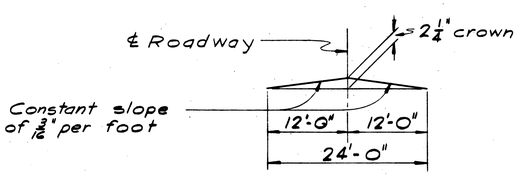
SECTION B-B

BEAM SPLICE DETAILS AT PIER NO. 2



SECTION C-C

BEAM SPLICE DETAILS AT PIER NO 3



BRIDGE ROADWAY CROWN

BEAM SPLICE WELDING PROCEDURE

1. Raise end of 70' beam at first pier 2"
2. Butt weld beam flanges and web at second pier using the following sequence: make one pass on each flange, then one on the web; repeat until welds are completed
3. Weld top and bottom flange moment plates at second pier.
4. Lower end of 70' beam at first pier.
5. Make splice at first pier in the same manner raising abutment end of beam 1", make splice at third pier in same manner raising abutment end of beam ½".

3'-0"	13'-6"	13'-6"	S603 over Pier 1
3'-0"	12'-6"	12'-6"	S604 over Pier 2
3'-0"	9'-6"	9'-6"	S605 over Pier 3

℄ Pier

S603 over Pier 1	13'-6"	13'-6"	3'-0"
S604 over Pier 2	12'-6"	12'-6"	3'-0"
S605 over Pier 3	9'-6"	9'-6"	3'-0"

STAGGER OF S603, S604 & S605 BARS OVER PIERS

YULE, STICKLEN, JORDAN & McNEE ENGINEERS
COLUMBUS OHIO

SUPERSTRUCTURE DETAILS

BRIDGE NO. WAY - 5 - 1824
COUNTY ROAD 70 OVER PROPOSED S.R. 5
WAYNE COUNTY STA. 963. + 03.13

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T.	W.J.W.	J.H.B.	E.W.T.	R.B.Y.	12/12/57	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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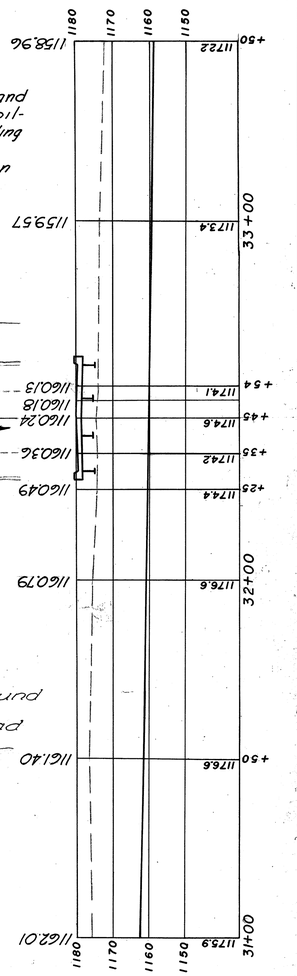
WAYNE & SUMMIT COUNTIES
WAY.—5—15.78
SUM.—5—0.00

FOUNDATION SOUNDINGS: Foundation design and foundation quantities are based on a study of soil-sampling soundings made at the site. This sounding information may be inspected in the office of the Bureau of Bridges in Columbus or in the Division office but the State does not guarantee the accuracy thereof.



To Richfield
18+00
End Appr. Slab Sta. 18+84.72
19+00
10'-0" Min. Cl.
SR5 Sta. 32+43.80
CO. Rd. 253 Sta. 20.00
21+00
10'-0" Min. Cl.
N 04°44'20"E
22+00
Begin Appr. Slab Sta. 21+05.28
County Road 253 (Hametown-Richfield Rd)
23+00
To Existing S.R. 5
Critical Clearance Point A
100'
80°21'30"
9°38'30"
32
33
Southbound Lanes
Northbound Lanes
12'-0"
37'-0"
37'-0"
℄ Temporary Run-around Road
Proposed SR5
2:1
4:1

For alignment of temporary run-around road, see Sheet 19.
Grade of temporary run-around road shall be the same as existing road.

PROPOSED STRUCTURE
Type: Continuous steel beam with reinf. conc. deck and substructure.
Span: 39', 74', 62' and 41' ℄ bearings.
Roadway: 28'-1" f-f 2'-1" safety curbs.
Load Frequency: CF=130(57)
Skew: 9°38'30" RF
Wearing Surface: ¾" Monolithic.
Approach Slabs: AS-1-54 Rev. 12-1-54 (25' Long)
Alignment: Tangent

BRIDGE LIMITS 220.56
P.V.I. Sta. 20+00
El. 1181.44
450' V.C.
+2.60% -0.75%

Actual Min. Clear @ Point "A"
Required Min. Clear @ Point "A"
15'-2"
15'-0"

1174.94 | 1175.59 P.V.C. | 1176.22 | 1176.80 | 1177.33 | 1177.82 Sta. 18+84.72 | 1178.26 | 1178.65 | 1179.00 | 1179.30 | 1179.56 | 1179.76 | 1179.92 | 1180.04 | 1180.11 | Sta. 21+05.28 | 1180.13 | 1180.11 | 1180.04 | 1179.92 | 1179.75 P.V.T. | 1179.56

El. 1161.39
2:1 Normal
El. 1153.25
El. 1151.00
El. 1153.50
2:1 Normal
El. 1169.50

Steel-H piles (12BP53) The estimated average pay lengths are: Rear and forward abutments 29 ft., Piers - 18 ft.

1180 / 1170 / 1160 / 1150

1170.40 | 1171.27 | 1172.87 | 1173.18 | 1173.83 | 1174.60 | 1175.39 | 1175.94 | 1176.62 | 1177.12 | 1177.67
+50 | 18+00 | +50 | 19+00 | +50 | 20+00 | +50 | 21+00 | +50 | 22+00 | +50

YULE STICKLEN JORDAN and McNEE ENGINEERS
COLUMBUS OHIO

SITE PLAN

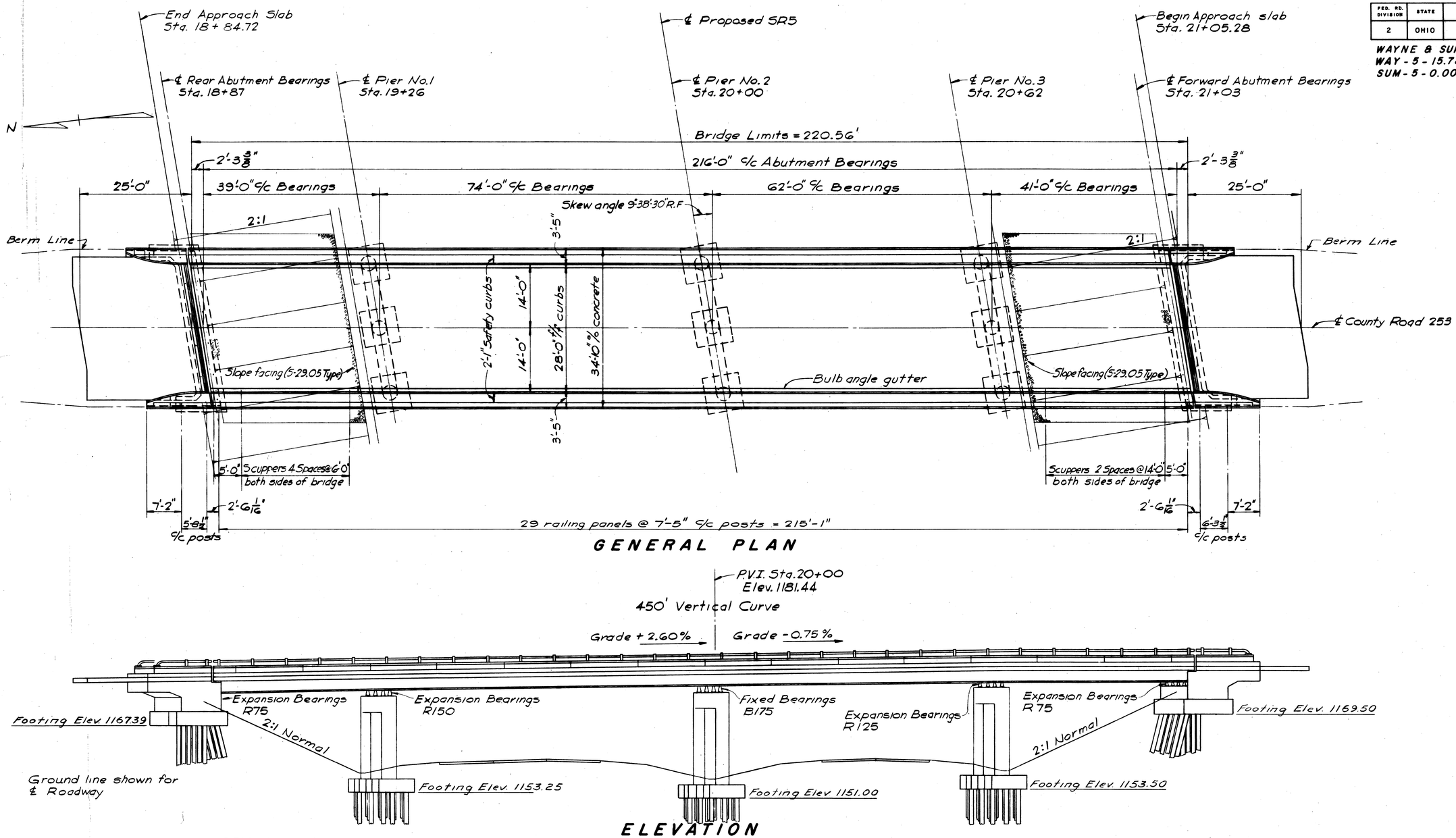
BRIDGE NO. SUM.—5—0061
UNDER CO. RD. 253
SUMMIT COUNTY S. R. 5
SCALE HOR. 1"=20' STA. 32+43.80

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
		J.C.L.	J.C.L.	E.W.T.	R.B.Y.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

266

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



GENERAL PLAN

ELEVATION

GENERAL NOTES

REFERENCE shall be made to Standard Drawings AR-1-57, dated 4-9-57 (Type A), AS-1-54 revised 12-1-54, CSB-2-56 Sheet No. 2, dated 12-3-56, CSB-2-56 Sheet No. 3, dated 12-3-56, P-1-54 rev. 12-1-54, RB-1-55 dated 3-1-55 and supplemental specification S-114 (aluminum for bridge railing) rev. 8-1-57

DESIGN SPECIFICATIONS: This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio, Department of Highways dated 9-1-57

PILES shall be driven to a minimum bearing capacity of 25 tons per pile for the abutments and 30 tons per pile for the piers.

FOUNDATION BEARING PRESSURE: Abutment footings are designed for a maximum bearing pressure of 25 tons per pile and pier footings are designed for a maximum bearing pressure of 28.5 tons per pile.

WELDING of structural steel shall be class "A" except as otherwise shown. Class "B" welds shown thus B) ——. Any welds shown as field welds may, at the option of the contractor be made in the shop.

SLOPE FACING (S-29.05 TYPE) shall be provided under the structure at both abutments. The porous drain material shall be 12" thick and shall extend from the face of the abutment to the flow line of the ditch and transversely to 3 feet outside of the edge of the superstructure.

YULE, STICKLEN, JORDAN & McHEE ENGINEERS
COLUMBUS OHIO

GENERAL PLAN & ELEVATION

BRIDGE NO. SUM-5-0061
COUNTY ROAD 253 OVER S.R. 5
SUMMIT COUNTY STA. 32 + 43.80

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T	W.J.W.	J.H.B.	E.W.T.	R.B.Y.	12/12/57	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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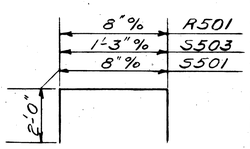
WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

REINFORCING STEEL LIST

Mark	No.	Length	Weight	Shp.
Superstructure				
S501	324	4'-8"	1577	B
S502	292	3'-0"	914	S
S503	584	2'-3"	1,371	B
S601	290	34'-8"	15,100	S
S602	304	26'-0"	19,682	S
S603	25	20'-0"	751	S
S604	25	30'-0"	1,127	S
S605	25	21'-0"	789	S
S701	290	34'-8"	20,549	S
Railing				
R501	376	1'-8"	*	B
R502	112	14'-6"	*	S
R503	16	4'-8"	*	S
R504	8	12'-7"	*	S
R505	8	12'-0"	*	S

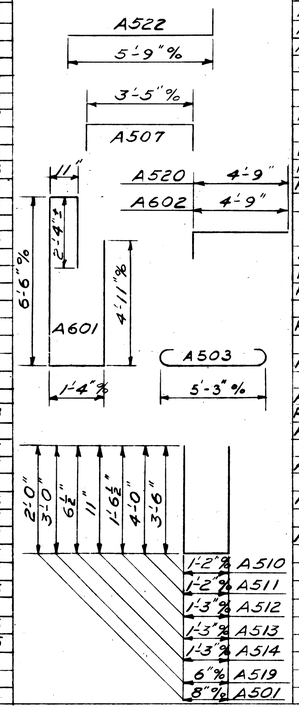
* Included with railing for payment

Bending Diagram



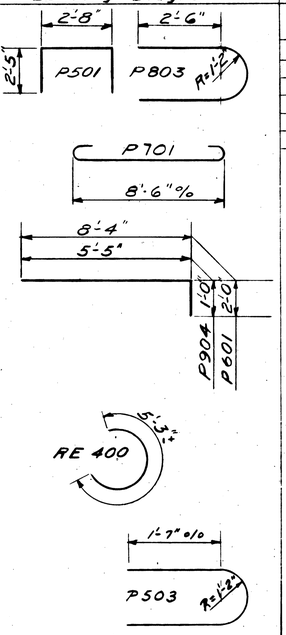
Mark	No.	Length	Weight	Shp.
Abutments				
A501	52	4'-8"	253	B
A502	70	2'-9"	201	S
A503	42	6'-5"	282	B
A504	20	18'-0"	376	S
A505	6	30'-0"	188	S
A506	12	16'-4"	204	S
A507	40	4'-5"	184	B
A508	8	6'-2"	52	S
A509	30	7'-6"	235	S
A510	24	8'-2"	204	B
A511	4	9'-2"	38	B
A512	84	4'-4"	380	B
A513	16	3'-1"	52	B
A514	8	2'-4"	20	B
A515	8	8'-8"	72	S
A516	4	9'-0"	38	S
A517	4	16'-0"	67	S
A518	4	15'-8"	65	S
A519	12	6'-6"	81	B
A520	24	5'-3"	131	B
A521	36	5'-6"	207	S
A522	64	6'-3"	417	B
A601	58	16'-0	1394	B
A602	16	5'-3	126	B
A603	8	5'-0	60	S
A604	4	5'-6	33	S
A605	12	15'-8	282	S
A606	16	7'-2	172	S
A607	8	4'-0	48	S
A608	4	14'-4	86	S
A609	4	13'-5	81	S
A610	2	12'-6	38	S
A611	2	12'-0	36	S
A612	4	14'-6	87	S
A613	4	13'-7	82	S
A614	4	4'-0	24	S
A615	16	18'-6"	444	S

Bending Diagram



Mark	No.	Length	Weight	Shp.
Piers				
P501	90	7'-6"	704	B
P502	6	28'-5"	178	S
P503	12	6'-10"	84	B
P601	30	9'-4"	421	B
P701	144	10'-2"	2991	B
P801	18	17'-11"	861	S
P802	6	28'-5"	453	S
P803	6	9'-2"	147	B
P904	108	6'-5"	2356	B
P905	36	17'-2"	2101	S
P906	36	20'-2"	2468	S
P907	36	18'-5	2254	S
P1101	15	16'-2"	1287	S
Replacement Bars				
RE1101	1	7'-7"		S
RE900	1	6'-10"		S
RE800	1	6'-6"		S
RE700	2	6'-3"		S
RE600	3	5'-11"		S
RE500	1	5'-7"		S
RE400	1	5'-3"		B

Bending Diagram



Spiral Reinforcing List

Mark	No.	Core Dia. % Spiral	Length	Pitch	No. Turns	Weight
P401	3	32"	14'-1"	4½"	41	793
P402	3	32"	17'-1"	4½"	49	949
P403	3	32"	15'-3"	4½"	44	851

The "Length" shown in the steel list for the spiral bars is the distance from the top of the footing to the underside of the pier cap.
The "No. of Turns" shown in the steel list for the spiral bars is the "Length" divided by the pitch, plus 3 turns (total number of closed coils), expressed as the nearest whole number.
Spiral reinforcing bars shall not have deformations but shall in other respects conform to Item 5-4.
1½ closed coils shall be provided at the ends of each spiral unit.
Four steel channel, tee or angle spacers, weighing approximately 0.68 lb. per lin ft of spacer, shall be provided for each spiral unit. They shall be equally spaced along the periphery of the coil. The number of pounds of these spacers, based on 0.68 lb per lin ft, will be paid for as reinforcing steel and is included in the tabulated quantity of spiral bars.

BAR SIZE is indicated in the bar mark. The first digit where three are used, and the first two digits where four digits are used, indicates the bar size number. For example, P901 is a No 9 size bar and No 1101 is a No. 11 size bar.

REPLACEMENT BARS. If the bars are fabricated from stock that has previously been tested and approved by the Ohio Highway Testing Laboratory, the furnishing of test samples and replacement bars will not be required

TEMPORARY RUN-AROUND ROAD: Use Class "B" pavement.

ESTIMATED QUANTITIES

Item	Total	Unit	Description	Super	Rear Abut	Pier 1	Pier 2	Pier 3	Forward Abut.	Gen.
E-2	Lump	Sum	Cofferdams, cribs and sheeting.							Lump Sum
E-2	382	Cu Yds	Unclassified excavation		97	61	68	59	97	
S-1	231	Cu Yds	Class "C" Concrete - Superstructure	231						
S-1	72	Cu Yds	Class "C" Concrete - Pier caps and columns			23	25	24		
S-1	128	Cu Yds	Class "E" Concrete - Abutments		64				64	
S-1	81	Cu Yds	Class "E" Concrete - Pier footings			27	27	27		
S-15	Lump	Sum	Temporary Run around Road							Lump Sum
S-4	87,498	Lbs	Reinforcing Steel	61,860	3,370	6055	6578	6265	3,370	
S-7	177,000	Lbs	Structural steel	177,000						
S-8	177,000	Lbs.	Field painting of structural steel	177,000						
S-14	486.66	Lin. Ft.	Railing (aluminum rail & supports, concrete parapet)	436.0	25.33				25.33	
S-16	Lump	Sum	First test pile							Lump Sum
S-18	2162	Lin. Ft.	Steel piles 12 BP 53		406	450	450	450	406	
S-29	109	Cu Yds	Slope Facing (S-29.05 Type)		53				56	
S-29	36	Cu Yds	Porous backfill		18				18	

YULE, STICKLEN, JORDAN & McNEE
ENGINEERS
COLUMBUS OHIO

ESTIMATED QUANTITIES & REINFORCING STEEL LIST

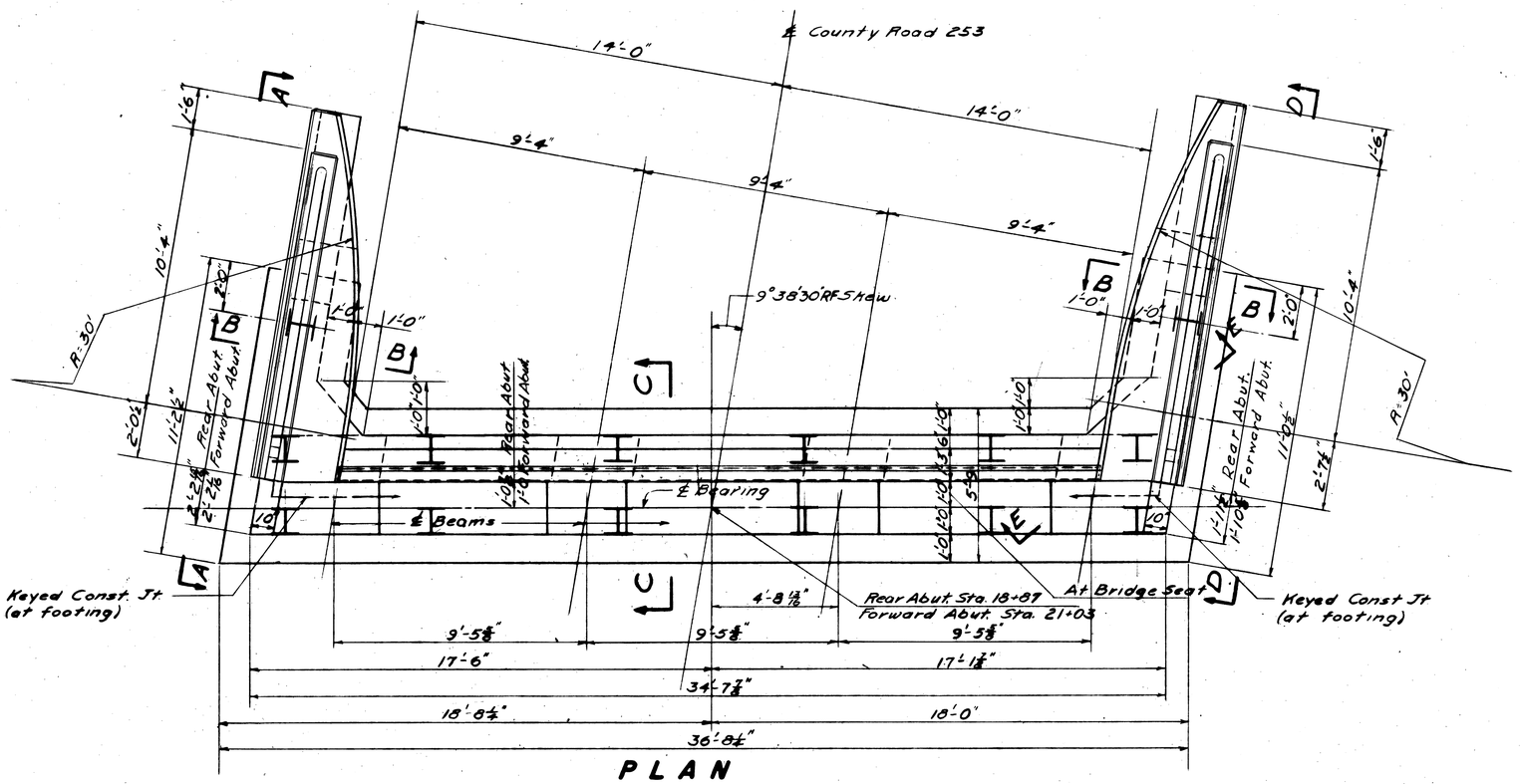
BRIDGE NO. SUM-5-0061
COUNTY ROAD 253 OVER S.R. 5
SUMMIT COUNTY STA. 32 + 43.80

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T	E.A.B.	E.A.B	E.W.T.	R.B.Y.	12/2/57	

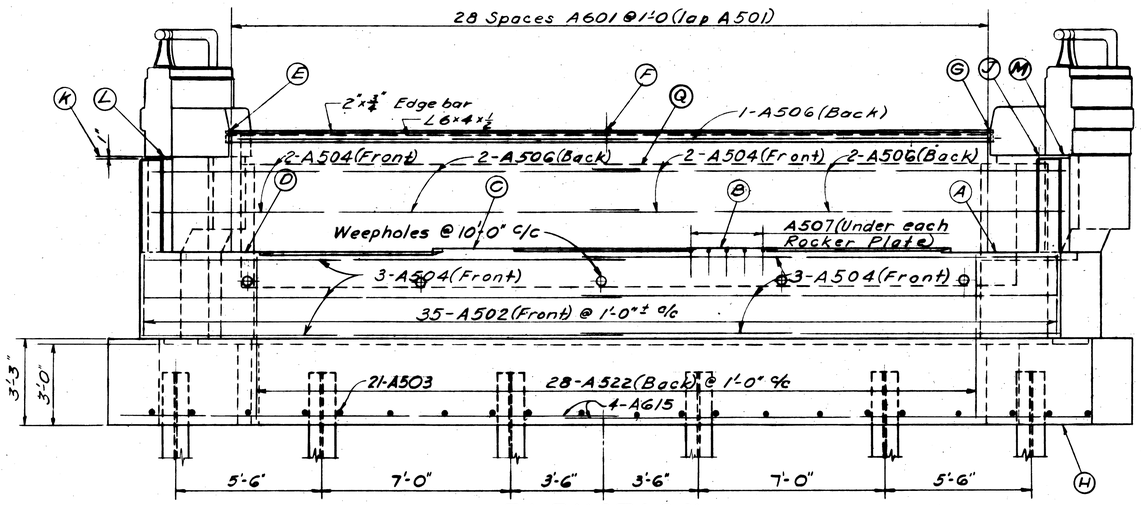
FED. RD. DIVISION	STATE	PROJECT		268
2	OHIO			

WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

For Sections A-A, B-B, D-D & E-E
See Sheet 269



PLAN



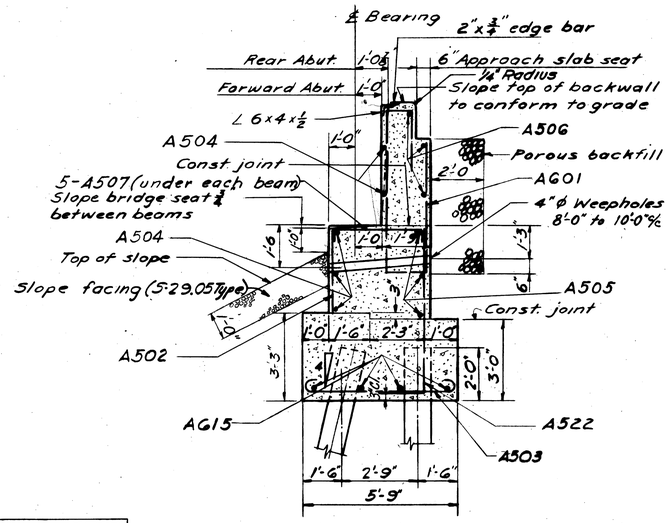
ELEVATION

ELEVATIONS															
ABUTMENT	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
Rear	1173.55	1173.72	1173.75	1173.63	1177.84	1178.03	1177.75	1167.39	1177.03	1177.11	1177.08	1177.00	1176.83	1176.70	1176.42
Forward	1175.67	1175.81	1175.81	1175.66	1179.89	1180.11	1179.91	1169.50	1179.15	1179.14	1179.14	1179.15	1179.16	1179.12	1178.56

POROUS BACKFILL, 2ft. thick, full length of abutment and wings, shall extend up to the underside of the approach slab.

CONCRETE shall be class "E"

FOUNDATION BEARING PRESSURE: Abutment footings are designed for a maximum bearing pressure of 25 tons per pile.



SECTION C-C

YULE, STICKLEN, JORDAN & McHEE ENGINEERS
COLUMBUS OHIO

ABUTMENT DETAILS

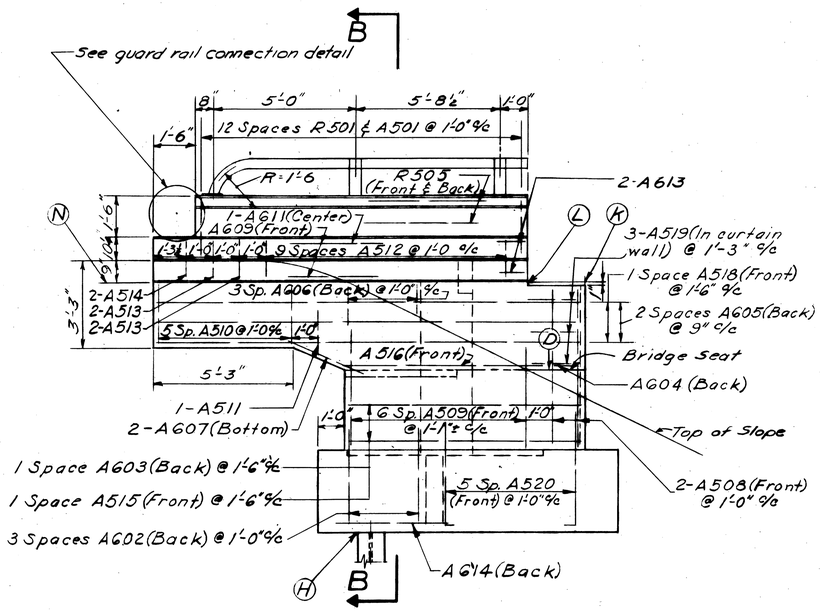
BRIDGE NO. SUM-5-0061
COUNTY ROAD 253 OVER S.R. 5
SUMMIT COUNTY STA. 32+43.80

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T	E.A.B.	M.R.D.	E.W.T	R.B.Y.	12/2/57	

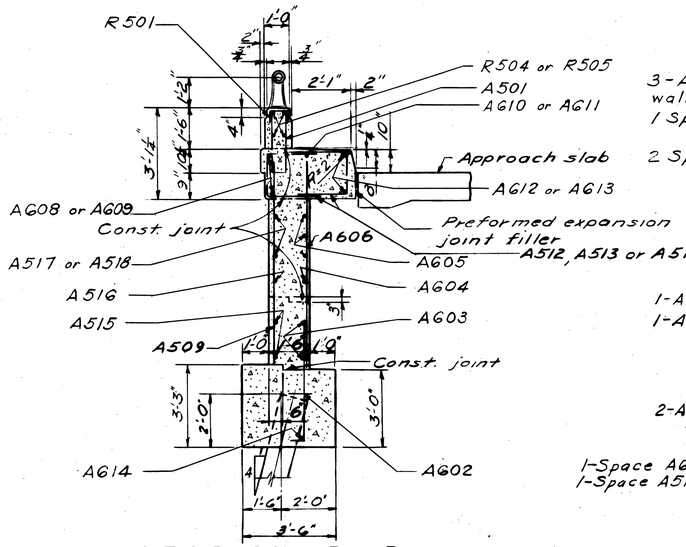
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

269

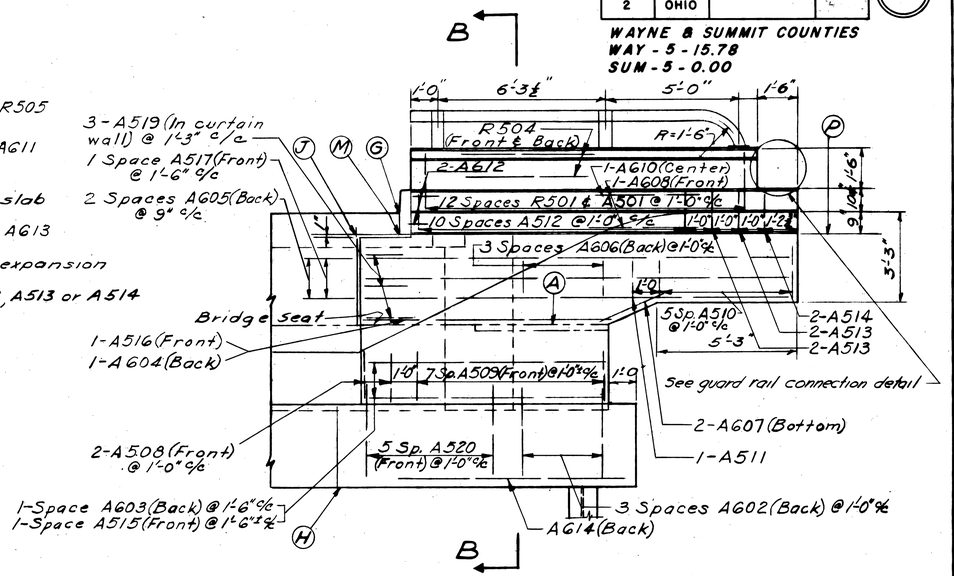
WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



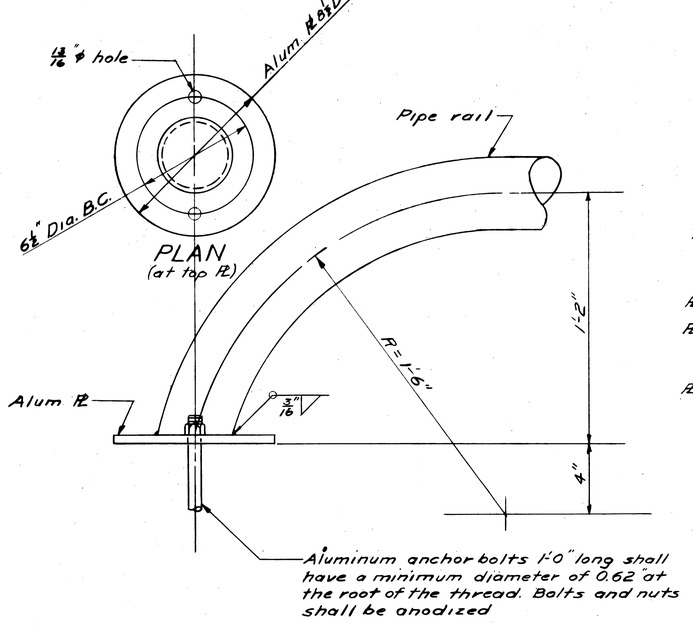
ELEVATION A - A



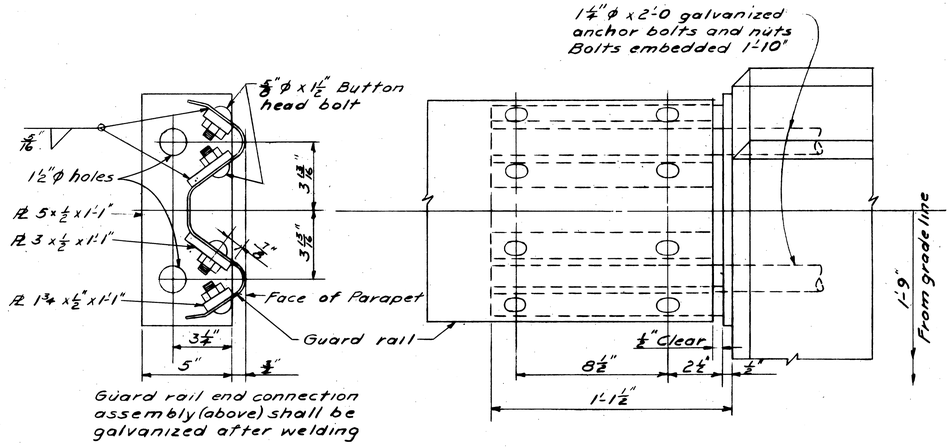
SECTION B - B



ELEVATION D - D



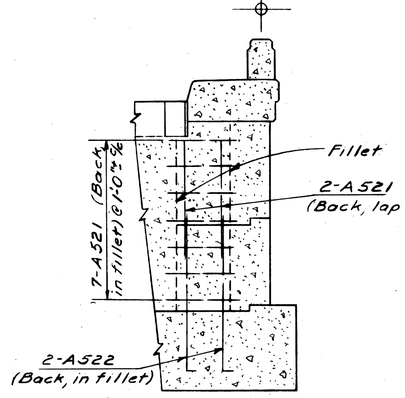
RAILING END DETAIL



Guard rail end connection assembly (above) shall be galvanized after welding

GUARD RAIL CONNECTION DETAIL

As seen from pavement side
Payment is included with Item S-7



SECTION E-E

YULE, STICKLEN, JORDAN & McNEE
ENGINEERS
COLUMBUS OHIO

ABUTMENT DETAILS

BRIDGE NO. SUM-5-0061
COUNTY ROAD 253 OVER S.R. 5
SUMMIT COUNTY STA. 32+43.80

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T.	E.A.B.	M.R.D.	E.W.T.	R.B.Y.	12/2/57	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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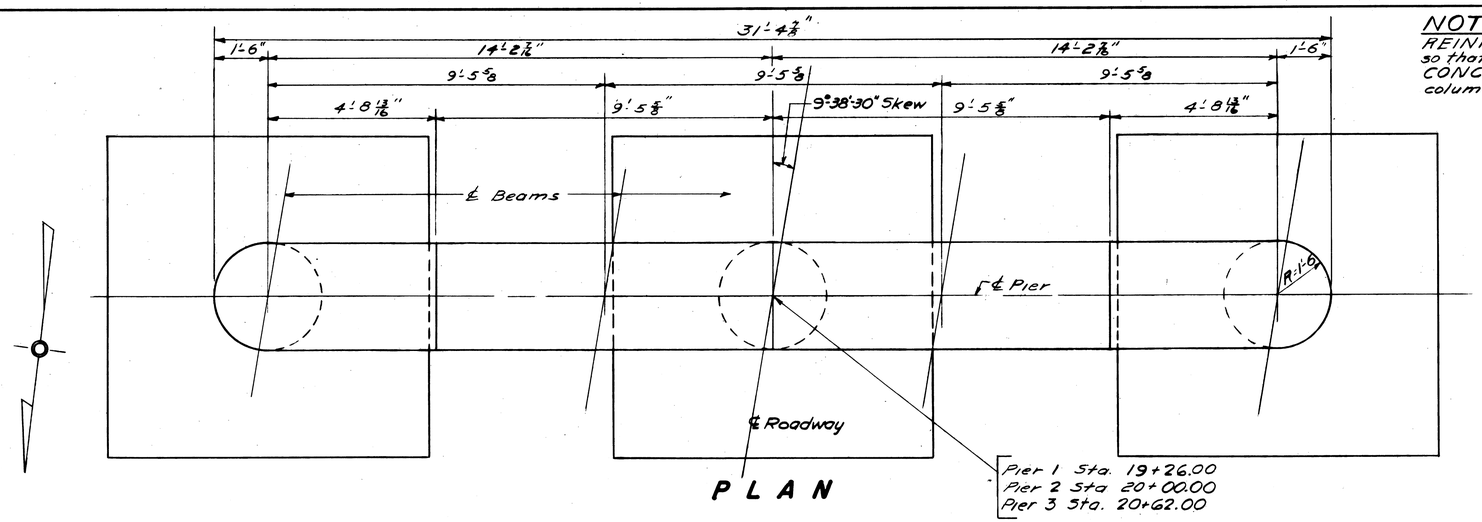
WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00

NOTE

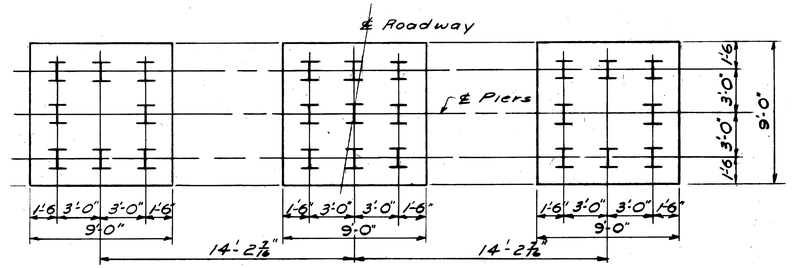
REINFORCING STEEL in pier cap shall be placed so that it will not interfere with anchor bolts.
CONCRETE shall be Class "C" in pier caps and columns and Class "E" in footings



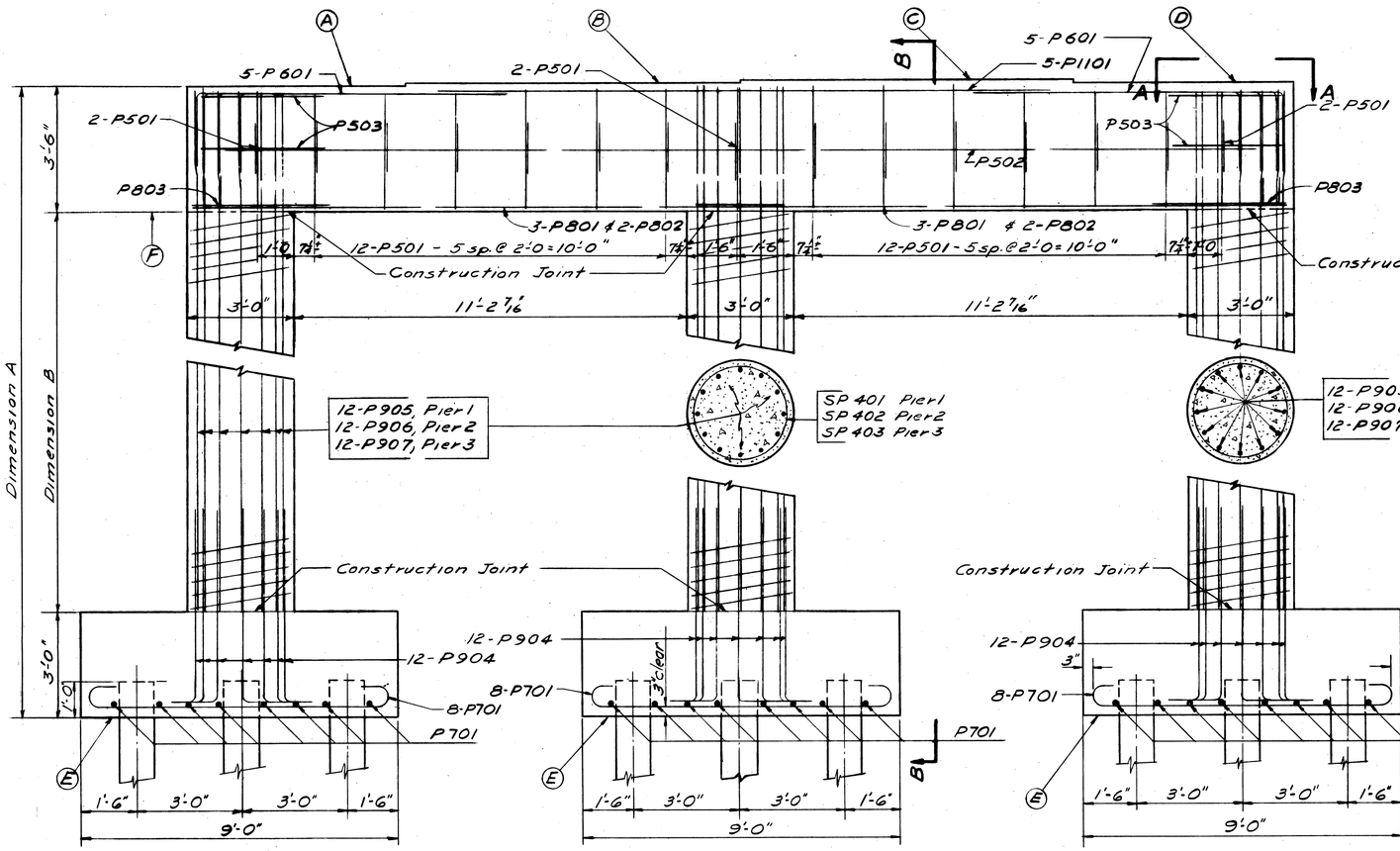
PLAN



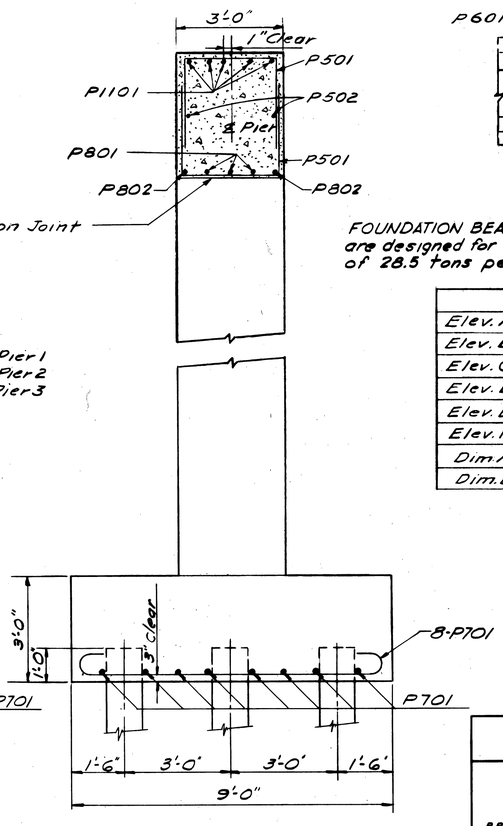
REINFORCING IN BOTTOM OF CAP



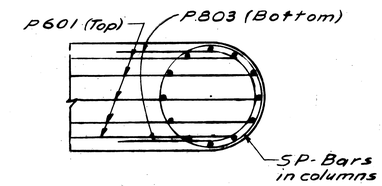
PILING LAYOUT
All Piles H12 BP53



ELEVATION



SECTION B-B



VIEW A-A

FOUNDATION BEARING PRESSURE: Pier footings are designed for a maximum bearing pressure of 28.5 tons per pile.

	PIER 1	PIER 2	PIER 3
Elev. A	1173.81	1174.57	1175.27
Elev. B	1173.98	1174.73	1175.42
Elev. C	1174.01	1174.74	1175.43
Elev. D	1173.88	1174.61	1175.29
Elev. E	1153.25	1151.00	1153.50
Elev. F	1170.31	1171.07	1171.77
Dim. A	20'-6 3/4"	23'-6 3/4"	21'-9 1/4"
Dim. B	14'-0 3/4"	17'-0 3/4"	15'-3 1/4"

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ENGINEERS
COLUMBUS OHIO

PIER DETAILS

BRIDGE NO. SUM - 5 - 0061
COUNTY ROAD 253 OVER S.R. 5
SUMMIT COUNTY STA. 32 + 43.80

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T	E.A.B.	E.A.B.	E.W.T.	R.B.Y.	12/2/57	

FED. RD DIVISION	STATE	PROJECT	
2	OHIO		

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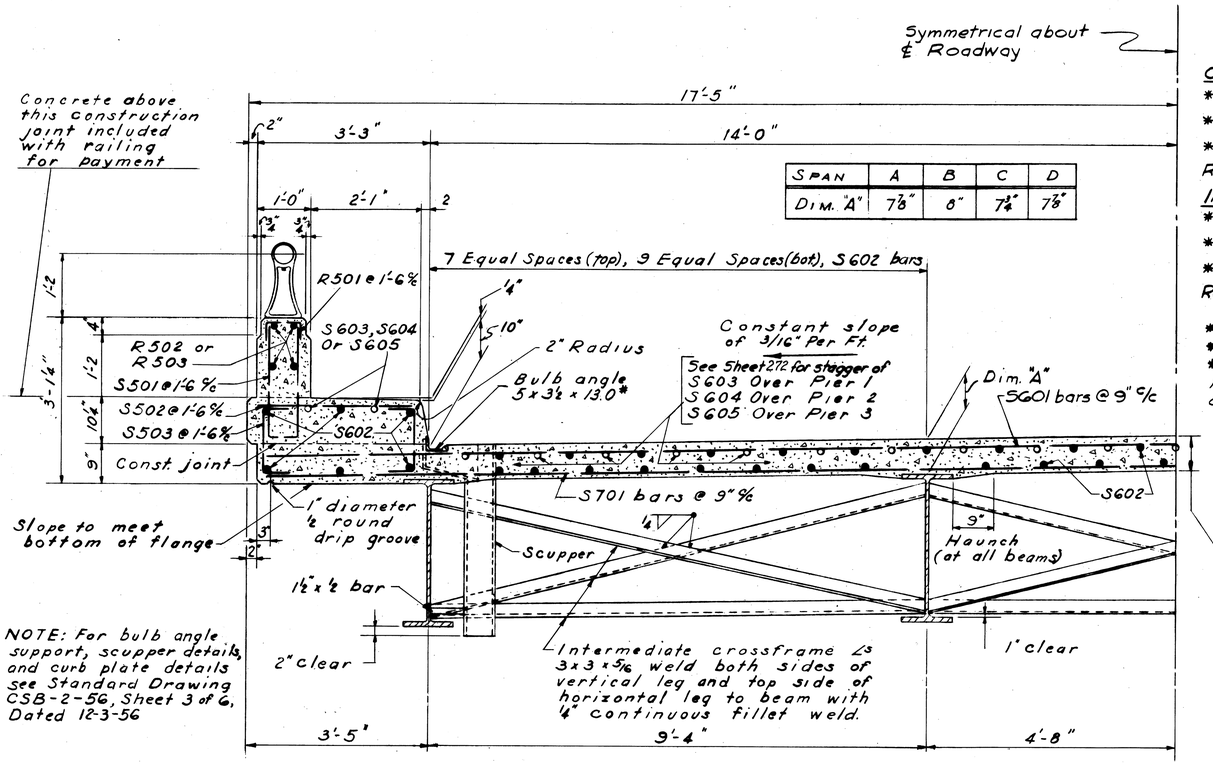
WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



NOTE: For bulb angle support, scupper details, and curb plate details see Standard Drawing CSB-2-56, Sheet 3 of 6, Dated 12-3-56

7 3/4" slab thickness includes ¾" monolithic wearing surface

HALF TRANSVERSE SECTION

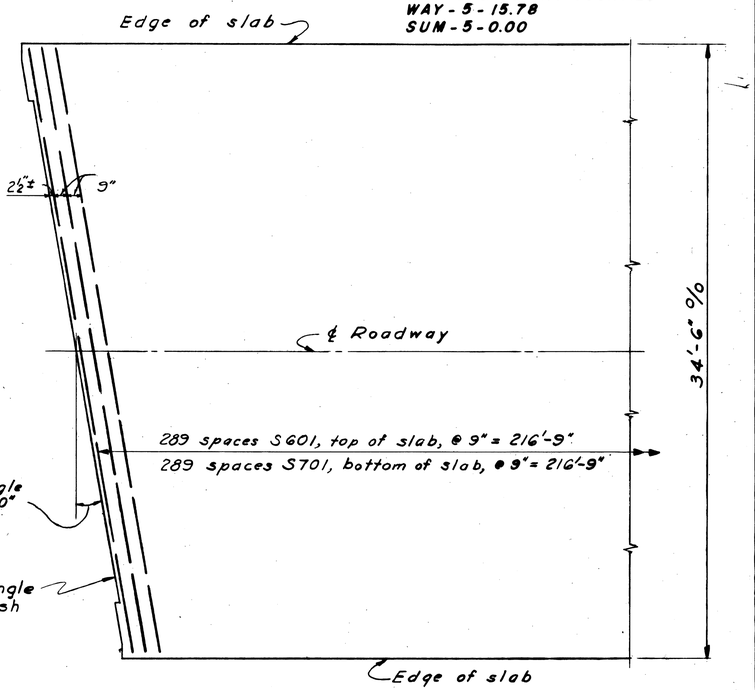
DEFLECTION AND CAMBER

Outside Beams	Span A	Span B	Span C	Span D
* D.S.	0	1 1/8"	0	0
* D.D.L.	-1/16"	11/16"	3/16"	1/8"
* C.R.V.C.	3/16"	5/8"	7/16"	5/16"
Required Camber	0	1 7/16"	0	0

Inside Beams	Span A	Span B	Span C	Span D
* D.S.	0	1"	0	0
* D.D.L	-1/16"	9/16"	3/16"	1/8"
* C.R.V.C.	3/16"	5/8"	7/16"	5/16"
Required Camber	0	1 5/16"	0	0

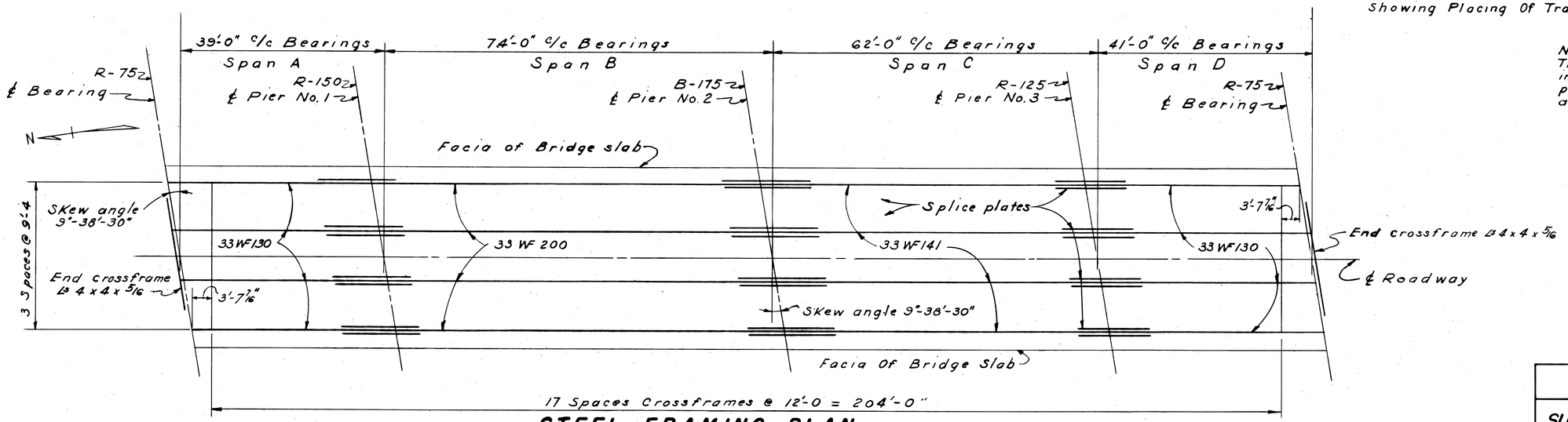
* D.S. = Deflection due to weight of steel
* D.D.L. = Deflection due to remaining dead load
* C.R.V.C. = Convexity required for vertical curve

For beams of 0 camber place mill camber up.



PART PLAN
Showing Placing Of Transverse Reinforcing

NOTE:
The transverse reinforcing in the deck slab shall be placed parallel to the abutments as shown.



STEEL FRAMING PLAN

CONCRETE DECK PLACING: In order to facilitate water curing of the concrete of the deck slab, the placing of concrete shall progress upgrade. The slab may be placed in sections, between transverse construction joints which are normal to the centerline of bridge and are located near the center of any span.

For details of end crossframes, end finish, beam cut-off at back wall, welded butt-joint in superstructure, and end finish angle at centerline of roadway see Standard Drawing No. CSB-2-56 Sheet 2, Dated 12-3-56.
Aluminum Railing post see Standard Dwg. No. AR-1-57, Dated 4-9-57, Type A.

WELDED STEEL: The steel for the 33 WF 200 beams shall conform to A.S.T.M. Designation A-373. All other structural steel shall conform to either A.S.T.M. A-7 [as per Sec. M-7.4 (a) of the Construction and Material Specifications] or to A-373

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COLUMBUS OHIO

SUPERSTRUCTURE DETAILS

BRIDGE NO. SUM-5-0061
COUNTY ROAD 253 OVER S.R. 5
SUMMIT COUNTY STA. 32 + 43.80

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T	W.J.W.	J.H.B.	E.W.T.	R.B.Y.	12/2/57	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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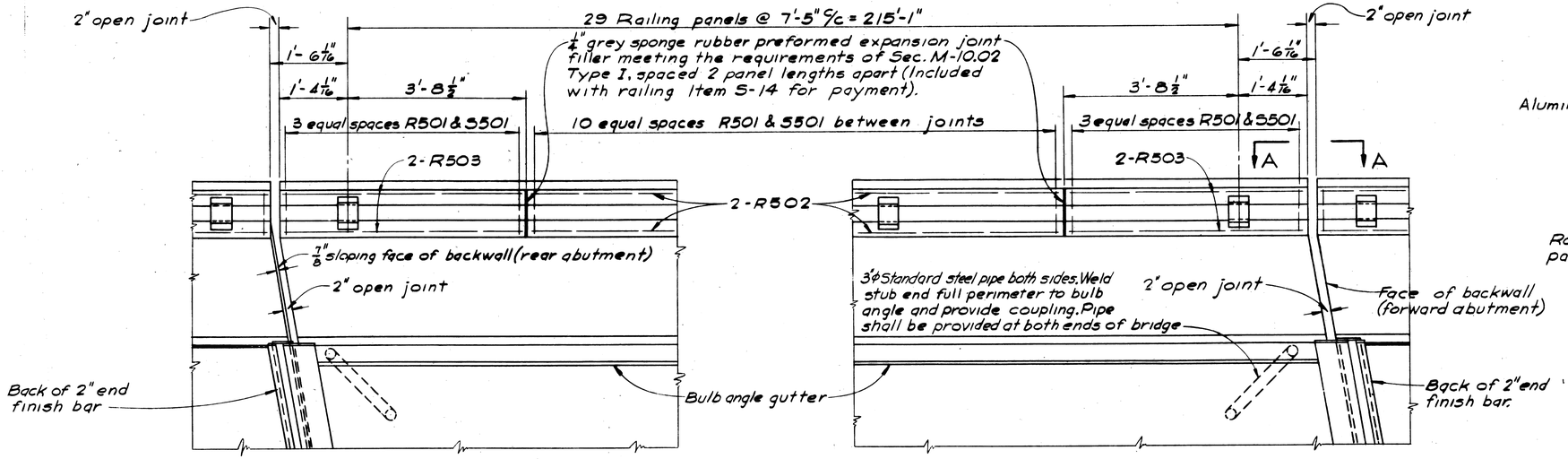
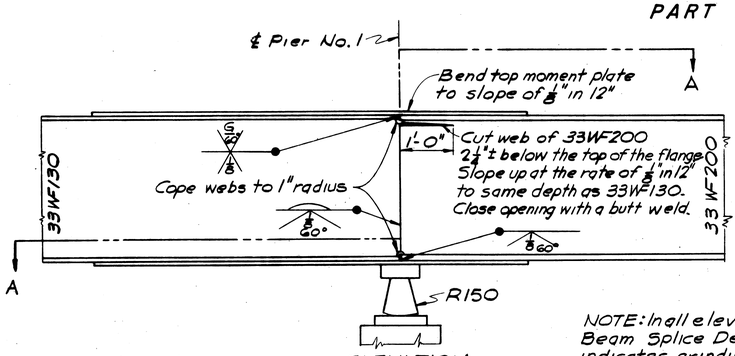
WAYNE & SUMMIT COUNTIES
WAY - 5 - 15.78
SUM - 5 - 0.00



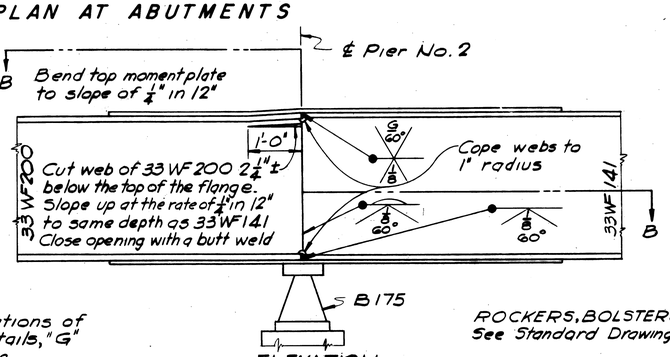
VIEW A-A

PART PLAN AT ABUTMENTS



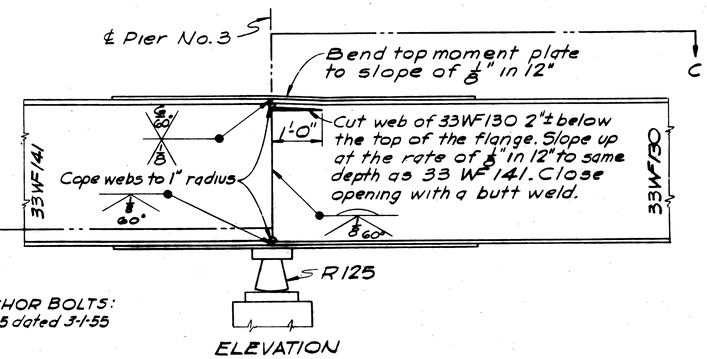
ELEVATION

NOTE: In all elevations of Beam Splice Details, "G" indicates grinding

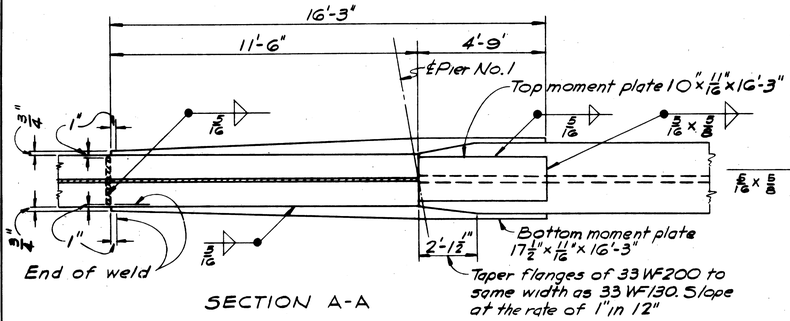


ELEVATION

ROCKERS, BOLSTERS & ANCHOR BOLTS: See Standard Drawing RB-1-55 dated 3-1-55

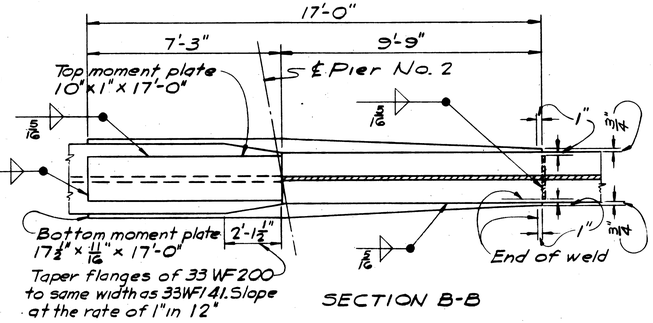


ELEVATION



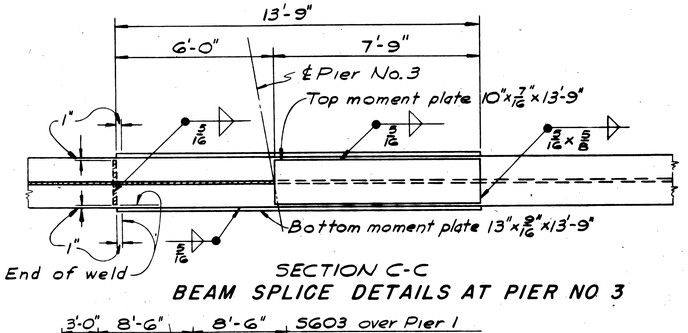
SECTION A-A

BEAM SPLICE DETAILS AT PIER NO. 1



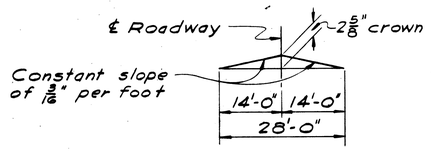
SECTION B-B

BEAM SPLICE DETAILS AT PIER NO. 2



SECTION C-C

BEAM SPLICE DETAILS AT PIER NO. 3



BRIDGE ROADWAY CROWN

BEAM SPLICE WELDING PROCEDURE

1. Raise end of 62' beam at third pier 1 1/2"
2. Butt weld beam flanges and web at second pier using the following sequence: make one pass on each flange, then one on the web; repeat until welds are completed.
3. Weld top and bottom flange moment plates at second pier.
4. Lower end of beam at third pier.
5. Make splice at third pier in same manner raising abutment end of beam 1/4", make splice at first pier in same manner raising abutment end of beam 5/8".

3'-0"	8'-6"	8'-6"	S603 over Pier 1
3'-0"	13'-6"	13'-6"	S604 over Pier 2
3'-0"	9'-0"	9'-0"	S605 over Pier 3

℄ Pier

S603 over Pier 1	8'-6"	8'-6"	3'-0"
S604 over Pier 2	13'-6"	13'-6"	3'-0"
S605 over Pier 3	9'-0"	9'-0"	3'-0"

STAGGER OF S603, S604 & S605 BARS OVER PIERS

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SUPERSTRUCTURE DETAILS

BRIDGE NO. SUM - 5 - 0061
COUNTY ROAD 253 OVER S.R. 5
SUMMIT COUNTY STA. 32 + 43.80

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
C.P.T.	W.J.W.	J.H.B.	E.W.T.	R.B.Y.	12/2/57	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

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WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

1
19

Relocation and limited acess hearing held March 28, 1959. Approved by Director of Highways August 16, 1959: Vol. 42, Page 681. Existing road abandoned as a State Highway by entry on journal of Director of Highways dated December 8, 1960; Vol. 45, Page 1318, Effective December 19, 1960.

SUMMARY OF ADDITIONAL R/W REQUIRED

STATE ROUTE 5 SECTION 15.78 WAYNE COUNTY

TOTAL NUMBER OF OWNERS 37

PARCEL NO.	OWNERS NAME	AREA ACRES	EXIST. BLDGS.	SHEET NO.	REMARKS
7 LA	Henry R. Amos	0.26	—	2 & 3	
7A LA	" "	0.82	—	"	
7 Z	" "	0.40	—	"	
10 LA	Nick & Elizabeth Miga	0.01	—	3	
10 X	" " "	0.04	—	"	
11 LA	Trustees of Chippewa Twp.	0.06	—	"	
17 LA	The Slankeville Church Union	0.38	Yes	"	
18 LA	Robert & Susie Hatfield	0.17	Yes	"	
19 LA	David W. & Mary Fausnight	1.85	Yes	"	
20 LA	Lewis E. & Louise Grossenbacher	0.17	Yes	"	
25 LA	Emery E. & Ethel L. Rauschenberg	0.75	—	"	
26 LA	Walter J. & Mae A. Kaufman	8.69	—	3 & 4	
26 X	" " "	0.03	—	"	
27 LA	Dwight Galehouse, Et AL	4.22	—	4	
27 X	" " "	0.15	—	"	
27 WA	" " "	0.33	—	"	
28 LA	Mary Elizabeth Adams	0.58	Yes	"	
29 LA	Donald J. & Mary E. Nicholls	0.17	Yes	"	
30	Flora A. Berry	0.44	—	"	SEE 32, 34 LA 35 X & 35 WA
31	Herbert S. & Lela W. Berger	0.09	Yes	"	
32	Flora A. Berry	0.12	—	"	See 30
33 Aerial	Baltimore & Ohio Railroad	0.12	—	"	
33 A	" "	0.01	—	"	
33 B	" "	0.01	—	"	
33 SL	" "	0.21	—	"	
34A	Ralph R. Andre	1.76	Yes	5	
34 LA	" " "	12.33	—	"	
35 LA	Flora A. Berry	6.66	—	5 & 6	See 30
35 X	" " "	1.91	—	"	" "
35 T	" " "	0.14	—	6	" "
36 LA	Juanita C. & Joseph E. Marshall	8.58	—	"	
36 X	" " "	1.31	—	"	
36 Y	" " "	2.51	—	"	
37 X	Andrew M. & Florence B. McCoskrie	0.10	—	"	
37 LA	" " "	0.50	—	"	
38 LA	John J. Rohr & Clarence E. Rohr	6.46	—	6 & 7	
39 LA	George & Theresa Csonder	11.48	—	7 & 8	
39 A	" " "	0.22	—	8	
40A	Lester E. Varner Et AL	0.26	—	"	
40T	" "	0.72	—	"	
40 LA	" "	3.80	—	"	
41 LA	Frederick A. & Nora A. Whitman	20.00	—	8 & 9	
41B	" " "	0.01	—	9	
41 A	" " "	0.02	—	"	
41 X	" " "	0.05	—	"	
32 A	Mabel Swagler				No R/W Needed

STATE ROUTE 5 SECTION 15.78 WAYNE COUNTY

CONTINUED

PARCEL NO.	OWNERS NAME	AREA ACRES	EXIST. BLDGS.	SHEET NO.	REMARKS
42 A	Alder & Mary Cikra	0.05	—	9	
42 LA	" " "	5.18	—	9 & 10	
42 X	" " "	0.03	—	9	
43 X	Arthur O. & Oleta E. Milford	0.35	—	9 & 10	
43 LA	" " "	9.55	—	10 & 11	
43 B	" " "	1.18	—	19	
43 A	" " "	0.03	—	"	
44 A	Peter Paul Rupp	0.05	—	"	
44 B	" " "	0.13	—	"	
44 LA	" " "	2.62	—	11	
45 LA	Albert G. Goffinet	3.19	—	"	
45 X	"	0.22	—	"	
46 LA	Louis & Margaret Rabatin	4.93	—	11 & 12	See 46 ALA
47 LA	Lula Crummel	4.67	—	"	
48 LA	Cloyce D. & Florence Miller	0.32	Yes	12	
49 LA	Winifred Whitman	21.23	—	12, 13, 14	
49 A	" "	0.04	—	14	
49 B	" "	0.03	—	"	
49 C	" "	0.03	—	"	
50 A	Lester W. & Bertha Brillhart	0.02	—	"	
50 B	" " "	0.02	—	"	
50 LA	" " "	5.75	—	"	
51 LA	Robert D. & Thelma M. Thornton	6.17	—	"	
52 LA	Mary Deibel	0.25	—	"	
53 LA	Rose Gish	3.35	Yes	"	
53 A	" "	0.13	—	18	
54 LA	The East Ohio Gas Co.	0.70	—	14 & 15	
55 LA	John E. Worcester	1.66	—	"	
55 A	" "	0.16	—	18	
56 A	Donald T. & Edna M. Easterday	0.01	—	"	
46 ALA	Louis & Margaret Rabatin	8.71	—	11 & 12	See 46 LA
49 X	Winifred Whitman	0.08	—	13	

STATE ROUTE 5 SECTION 0.00 SUMMIT COUNTY

TOTAL NUMBER OF OWNERS 33

PARCEL NO.	OWNERS NAME	AREA ACRES	EXIST. BLDGS.	SHEET NO.	REMARKS
1	First Central Trust Co.	1.56	—	18	
2 A	Arthur & Anna Toth	0.73	—	15 & 18	
2 B	" " "	0.14	—		
2 LA	" " "	8.48	—	15	
2 X	" " "	0.32	—	"	
3 LA	John G. & Velma L. Bowman	2.56	—	"	
8 LA	Floss G. & J. Clarence Baker	2.47	—	15 & 16	
9 LA	" " "	1.77	—	"	
10 LA	Wesley O. & Lenora C. Winters	1.03	—	16	See 14
11 LA	Dewey T. Scott	1.73	Yes	"	
12 LA	Anna C. Stewart	0.07	—		
13 LA	Mike & Julia Plavisty	0.62	—	"	
13	" " "	0.05	—	"	
14	Wesley O. & Lenora C. Winters	0.03	—	"	See 10 LA
16	Edith I. Baughman	0.03	Yes	"	
16 A	" " "	0.02	—	"	
19	Eugene P. & Ethel I. Hooker	0.004	—	"	
20	Don C. & Imogene E. Cottrell	0.05	—	"	
21	Charles & Hattie Mullet	0.05	—	"	
22	Marie Gujin	0.04	—	"	
23 LA	George Holvey	2.00	Yes	"	
24 LA	Thomas Coon	1.25	Yes	"	
25 LA	Irene Coon	0.39	Yes	"	
26 LA	Ethel G. First	0.25	—	"	
27 LA	Stella S. Baughman	1.15	Yes	"	See 34 LA
28 LA	Harold J. Swain	0.38	Yes	"	
29 LA	Jennie Jones	0.38	Yes	"	
29	" "	0.03	—	"	
30 LA	Mabel A. Smith	0.22	—	"	
30 ALA	" "	0.18	—	"	
31	Clayton S. Jones	0.03	—	"	
32 LA	Darold Lance Et Al, Trustees	0.16	Yes	17	
33 LA	Hametown Nazarene Church	0.06	—	"	
34 LA	Stella S. Baughman	0.26	—	"	See 27 LA
35 LA	Donald C. Galehouse	0.95	Yes	"	
36 LA	Clyde & Wilma Shields	0.17	Yes	"	
37 LA	Carol & Ann Galehouse	0.17	Yes	"	
38 LA	Earl & Irene Baughman	0.17	Yes	"	
39 LA	Earl Baughman	0.17	—	"	
40 LA	Stephen & Cora J. Schwager	0.37	Yes	"	
41 LA	" " "	0.34	—	"	
42	Stanley L. & Margaret L. Galehouse	0.26	Yes	"	
43	Wilburn Massey	0.17	—	"	

SR 585- Formerly SR-5

12-19-60
8-17-59

LIMITED ACCESS

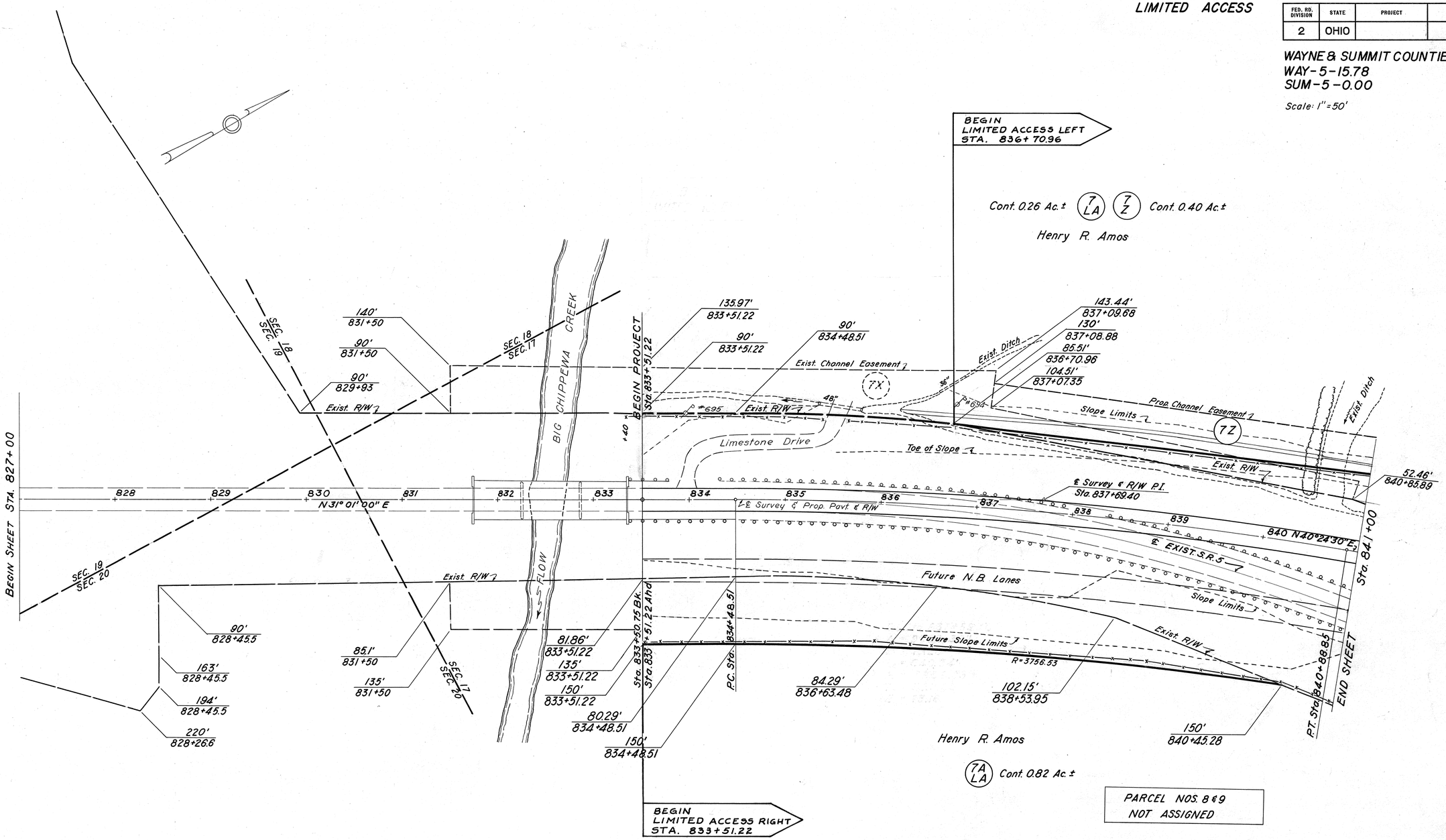
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

274/291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

2/19

Scale: 1" = 50'



PARCEL NOS. 8 & 9
NOT ASSIGNED

CURVE DATA
℄ Survey & ℄ R/W
P.I. = Sta. 837+69.40
Δ = 9° 23' 30"
D = 1° 28'
L_c = 640.34'
R = 3906.53'
T = 320.89'
E = 13.16'

Item SS-18-Type A Fence 1470 L.F.

CHPPEWA TWP. T-18-N R-11-W SEC. 17

Rev. 9-17-76 Begin L.A. rt & lt. added

WAY-5-15.78 SUM-5-0.00 2/19

RIGHT OF WAY Sta. 827+00 to Sta. 841+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

275
291

3
19

LIMITED ACCESS

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

Scale: 1"=50'

℄ Survey Curve Data
P.I.=Sta. 848+26.30
Δ = 23° 57' 30"
D_c = 4° 00'
L_s = 400.00'
T_s = 504.77'
E_s = 36.69'
θ_s = 8° 00'
Δ_c = 7°57'30"
L_c = 198.96'
X_c = 399.22'
Y_c = 18.59'

℄ R/W Curve Data
P.C. = 844+54.89
P.I. = 845+88.47
P.C.C.= 847+21.62
Δ = 8° 00' Lt.
D = 2.99934°
T = 133.58'
L = 266.73
E = 4.66'
R = 1910.28'

℄ R/W Curve Data
P.C.C. = 847+21.62
P.I. = 848+21.26
P.C.C. = 849+20.58
Δ = 7°57'30" Lt.
D = 4° 00'
T = 99.64'
L = 198.96'
E = 3.46'
R = 1432.40'

℄ R/W Curve Data
P.C.C. = 849+20.58
P.I. = 850+54.16
P.T. = 851+87.31
Δ = 8° 00' Lt.
D = 2.99934°
T = 133.58
L = 266.73'
E = 4.66'
R = 1910.28'

PARCEL NOS. 8,9,12,13 & 16
NOT ASSIGNED

(19 LA) Cont. 1.85 Ac.±
David W. & Mary Fausnight

(26 X) (26 LA) 140' 855+70 — Walter J. & Mae A. Kaufman — 118.97' 855+70

Cont. 0.75 Ac.± (25 LA) Emery E. & Ethel L. Rauschenberg — 67' 852+36 — 65' 851+87.31

(7 LA) (7 Z) Henry R. Amos — 123.4' 842+00.7 — 82.41' 842+03.93 — 36.55' 842+07.47 — 29.83' 842+06.93 — 125' 842+58.0 — 89.9' 842+50.1 — 86.7' 842+03.7

(10 LA) Cont. 0.01 Ac.± — Nick & Elizabeth Miga — N40°W

(11 LA) Cont. 0.06 Ac.± — Trustees of Chippewa Township — 74.41' 842+46.69 — 59.0' 844+25.7 — 46.11' 843+99.31 Cemetery (Graves) — 225' 844+57.3

R/W P.C. Sta. 844+54.89 — ℄ Sta. 844+15.24 — R/W P.C.C. Sta. 847+21.62 — R/W P.C.C. Sta. 849+20.58 — R/W P.T. Sta. 851+87.31 — ℄ Sta. 851+67.75 — R/W P.T. Sta. 853+22.69 — N28°03'W — N28°03'E — S39°E — N51°E

77' 850+57.5 — 80' 849+20.58 — 100' 847+21.62

PC Sta. 1+26 — Sta. 0+81 = Sta. 3+18.06 — 40°R — Fr. Barn 22.69' 845+05.58 — 16.91' 845+43.41 — 41.73' 844+20.71 — ℄ CH. 162°

Cont. 0.04 Ac.± (10 X) — Prop. Chan. Easement — 435' — Toe of Slope — Exist R/W — N51°E Exist. R/W 153.79' — 122' — 26' — 18' — 24' — 16.37' 845+35.65

Sta. 841+00 — BEGIN SHEET — ℄ Exist. S.R. 5 — Slope Limits — Future Slope Limits — 12" CMP — Ditch — 100' R — Macadam Drive — Exist R/W

(14) (15) (17 LA) Cont. 0.38 Ac.± (18 LA) Cont. 0.17 Ac.± (7A LA)

℄ Survey & Prop. Pavt. — N40°24'30"E — ℄ Sta. 843+90.84 — ℄ Sta. 845+14.9 — ℄ Sta. 845+41.3 — R/W & P.I. Sta. 845+88.47 — 25.28' 845+12.18 — 41.2' 848+28.9 — 194.54' 847+68.53 — 122.41' 845+49.29 — 85.78' 843+14.65

Robert & Susie Hatfield — 2 Sty. Fr. Dwg. — Union Church — 1½ Sty. Fr. Church — Lot No. 78 — 2 Sty. Fr. Dwg. — 20' East and West Alley — Hedge N51°E 233.8' — House Fdn. (Abond.) — David W. & Mary Fausnight — Fr. Gar. — Fr. Shed — Concr. Block Mac Drive

Louise Grossenbacher — Lewis E. & Gertrude Ernest's Garage — Lot No. 74 — Lot No. 73 — 1 Sty. Fr. Dwg. — 2 Sty. Fr. Dwg. — Cistern — Well — Earth Drive — Lot No. 72 — 1½ Sty. Fr. Dwg. — 2 Sty. Fr. Dwg. — Walter J. & Catherine B. Link — Lot No. 71 — 1 Sty. Fr. Dwg. — Drive (Stone) — Lot No. 70 — Chicken Ho. — Fr. Gar. — 18' Alley — Milk Ho. Conc. Blk. — Lot No. 69 — Church — Lot No. 68 — Lot No. 67 — Perry D. Waggoman — Lot No. 65 — Ervin A. Waggoman — Lot No. 64 — Levi H. & Noreen M. Fausnight

Walter J. & Mae A. Kaufman — Tool Shed — Straw Shed — Conc. Blk. — Fr. Barn — Crib — P.I. Sta. 3+24.16

Cont. 0.01 Ac.± (20 LA) (21) (22) (23) (24)

PORTAGE STREET — Exist. R/W — 12" R.C.P. (no outlet found) — 10" C.I.P. — 10" T.C.P. — 4' R.C.P. — Right Std. — Mac. Apron — 1½ Sty. Conc. Blk. Serv. Sta. — M.B. — Earth Drive — 2 Sty. Fr. Dwg. — Fr. Barn — Fr. Chicken Coop

Curve Data
Easton Connection
P.I. = Sta. 3+24.16
Δ = 56° 16' 15" Lt.
D = 28° 58' 52"
T = 106.95'
L = 196.42'
R = 200'

℄ Easton Conn. S 73° 33' E — P.C. Sta. 2+17.21 — N 16° 27' 00" E — 855 — 854 — 853 — 852 — 851 — 850 — 849 — 848 — 847 — 846 — 845 — 844 — 843 — 842

Sta. 856+00 — END SHEET — MATCH LINE STA. 4+13.63

Item SS-18-Type A Fence 2377 L.F

CHIPPEWA TWP T-18-N R-11-W SEC. 17

Rev. 12-15-20

LIMITED ACCESS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

276
291

4
19

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

Scale: 1"=50'

NOTE: Existing S.R. 548 within R/W limits of the B.&O.R.R., not needed for highway purposes, to be vacated and closed to travel upon completion and opening to traffic of the new highway.

℄ Survey Curve Data
P.I. = Sta. 861+35.14
Δ = 34° 11' 00" Rt.
Dc = 4° 00'
Ls = 400.00'
Ts = 641.74'
Es = 71.05'
θs = 8° 00'
Δc = 18° 11'
Lc = 454.58'
Xc = 399.22'
Yc = 18.59'

℄ R/W Curve Data
P.C. = 856+26.76
P.I. = 857+60.34
P.C.C. = 858+93.49
Δ = 8° 00' Rt.
D = 2.99934°
T = 133.58'
L = 266.73
E = 4.66
R = 1910.28

℄ R/W Curve Data
P.C.C. = 858+93.49
P.I. = 861+22.71
P.C.C. = 863+48.07
Δ = 18° 11' Rt.
D = 4° 00'
T = 229.22'
L = 454.58'
E = 18.22
R = 1432.40

℄ R/W Curve Data
P.C.C. = 863+48.07
P.I. = 864+81.65
P.T. = 866+14.80
Δ = 8° 00' Rt.
D = 2.99934°
T = 133.58'
L = 266.73'
E = 4.66
R = 1910.28

Cont. 0.03 Ac.± (26 X) (26 LA) Cont. 8.69 Ac.±

Walter J. & Mae A. Kaufman

P.I. S 84°47'15" E

120' 861+32

51' 861+70

67' 861+82

135' 863+48.07

Dwight Galehouse, Et Al
Cont. 4.22 Ac.±
P.R.O. 0.046 Ac.±
Total = 4.68 Ac.±
(27 LA)

145' 866+14.80

143.38' 866+00

Prop. Chan. Easement

230' 866+00

230' 866+80

230' 868+78.38

(27 X) Cont. 0.15 Ac.±

Ditch

147.46' 866+80

155' 868+90.84

(27 T) Cont. 0.33 Ac.±

116.50' 868+97.18

℄ Slope Limits

Exist. P.T. Crate Abutment

P.C. Sta. 126+563

150' R. Δ = 23° 00'

P.T. 127+17.0

120' 859+93.49

R = 1552.40'

Survey ℄ P.I. Sta. 861+35.14

109°52' obs. 109°40' Plat

140' 856+26.78

120' 856+26.76

R = 2030.28'

(26 X)

℄ Slope Limits

R/W ℄ P.I. Sta. 861+22.71

R/W ℄ P.I. Sta. 864+81.65

Proposed Pavt.

℄ Survey

℄ R/W

P.O.T. Sta. 868+78.13 S.R. 5 Relocated
= P.O.T. Sta. 128+61.68 S.R. 548

Future Lanes

R/W ℄ P.I. Sta. 857+60.34

858

857

861

862

863

864

865

866

867

868

869

870

859 ℄ Survey ℄ R/W 860

Slope Limits ℄

Sta. 856+00

BEGIN SHEET

Future Slope Limits ℄

108.5' 860+23.5

(28 LA)

Lot No. 26

Lot No. 27

Cont. 0.58 Ac.±

Sty. Fr. Ho.

Lot No. 28 Mary Elizabeth Adams

Lot No. 29

213' 861+51.5

Sta. 858+93.49

℄ Sta. 861+28

℄ Sta. 861+48

107.5' 862+46.0

2 sty. Fr. Dwg.

Lot No. 30 Paul W. & Lena Waggaman

Lot No. 31

Lot No. 23

137' 862+99

180' 863+03.5

Lot No. 13

Lot No. 12

Lot No. 11

Lot No. 10

Lot No. 9

Lot No. 8

Lot No. 7

Lot No. 6

Lot No. 5

Lot No. 14

Lot No. 15

Lot No. 16

Lot No. 17

Lot No. 18

Lot No. 19

Lot No. 20

Lot No. 21

Lot No. 22

Lot No. 24

Cont. 0.17 Ac.±

House

(29 LA)

Lot No. 25 Conrad J. & Mary E. Nicholls

120' 862+71

℄ Sta. 862+71

S 75° 20' 45" E

Gas Line

℄ Slope Limits

151.5' 865+36.3

148.7' 864+34.2

201' 864+03.5

190' 869+47.91

237' 867+31.6

Exist. R/W

S.R. 548

Slope Limits ℄

CH 2/8

128+78.0

55' R. Δ = 36°00'

P.T. 128+58.58

B & O R.R. R/W

R.R. R/W

End Sheet Sta. 870+07.68

66' 869+05.54 — 64.02' 869+32.00

53.76' 869+46.19 — 51.80' 869+34.35

22.19' 869+51.41 — 20.23' 869+39.57

8' 869+15.13

66' 869+96.77 — 51.80' 869+81.85

53.76' 869+93.69 — 20.23' 869+87.07

22.19 869+98.91 — 8' 870+06.36

81.95' 869+56.15

(33 B) Cont. 0.01 Ac.±

(33 Aerial) Cont. 0.12 Ac.±

P.O.T. Sta. 869+77.27 S.R.5
P.O.T. Sta. 4954+64.26 - B.&O.

(33 A) Cont. 0.01 Ac.±

(33 SL) Cont. 0.21 Ac.±

See Sheet No. 19 For Detail Of Aerial & Occupational Easements.

60' 30'

Dwight Galehouse, Et Al

(27 LA)

Walter J. & Mae A. Kaufman

(26 LA)

End Limited Access

N 42° 39' 15" W

40' R/W

15' Alley

ORCHARD STREET

PINE STREET

CLEVELAND STREET

60' R/W Sta. 861+48.16 Bk. = 867+59.35 Ahd.

Exist. R/W

R/W P.C. Sta. 856+26.76

R/W P.T. Sta. 856+14.80

R/W P.C. Sta. 863+48.07

Lot No. 32

Lot No. 33

Lot No. 34 Flora A. Berry

Lot No. 35

Lot No. 36

Cont. 0.44 Ac.±

(30)

P.C. Sta. 6+17.52

20' Alley

Lot No. 19

Lot No. 18 Ernest Berger

123.6'

Lot No. 37 Mabel Swagler

124.1'

(32 A)

Lot No. 38 Flora A. Berry

125.9'

P.T. Sta. 6+38.91

Merrill E. Neitzelt

Lot No. 17

Lot No. 16

Match Line Sta. 6+81.72

Sta. 4+13.63

P.T. Sta. 4+13.63

44.3'

855+12.3 S.R.5

36' 4+81.5 (Conn.)

℄ Easton Conn.

N 50° 10' 45" E

Curve Data
Easton Connection
P.I. = Sta. 6+58.91
Δ = 91° 57' 30" Rt.
T = 41.39'
L = 64.20'
R = 40'

37' 6+11

23' 6+76.2

Match Line Sta. 6+81.72

Item SS-18 Type A Fence

F-1054(1) 2661 L.F.

FG-1054(1) 140 L.F.

CHIPPEWA TWP. T-18-N R-11-W SEC. 17

(31) Cont. 0.09 Ac.±

Match Line Sta. 6+81.72

45' 6+97.51

Alley

P.T. Sta. 6+81.72

45' 7+02.5

Sta. 6+86.95 Conn.
Sta. 0+00 Orchard St.

20' 6+97.02

Lot No. 62

Herbert S. & Lela W. Berger

Lot No. 41 Flora A. Berry

Lot No. 40

Exist. R/W

℄ Exist. S.R. 5

Sta. 858+36.92 Exist. S.R.5
Sta. 8+71.45 Easton Connection

45' 8+46.01

20' 8+45.52

20' 8+44.72

45' 8+44.23

(32) Cont. 0.12 Ac.±

12-13-56
6-26-58
Rev.-8-8-58

WAY-5-15.78 SUM-5-0.00 4/19

RIGHT OF WAY Sta. 856+00 to Sta. 870+07.68

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

277
291

WAYNE & SUMMIT COUNTIES
WAY.-5-15.78
SUM.-5-0.00

5
19

Scale: 1"=50'

LIMITED ACCESS

S.R. 548 (Reloc.) ℄ Survey Curve Data
P.I. = Sta. 120+28.61
Δ = 23° 44' 00"
D_c = 4° 00'
Ls = 300'
Ts = 451.48'
Es = 33.98
θs = 6° 00'
Δc = 11° 44'
Lc = 293.33'
Xc = 299.67'
Yc = 10.46'

S.R. 548 (Reloc.) ℄ R/W Curve Data

P.C. = Sta. 116+77.15	P.C.C. = Sta. 118+77.17	P.C.C. = Sta. 121+70.50
P.T. = Sta. 117+77.25	P.I. = Sta. 120+24.35	P.T. = Sta. 122+70.60
P.C.C. = Sta. 118+77.17	P.C.C. = Sta. 121+70.50	P.T. = Sta. 123+70.52
Δ = 6° 00'	Δ = 11° 44'	Δ = 6° 00'
D = 2.99975°	D = 4° 00'	D = 2.99975°
T = 100.10	T = 147.18	T = 100.10
L = 200.02	L = 293.33	L = 200.02
E = 2.62	E = 7.54	E = 2.62
R = 1908.49	R = 1432.40	R = 1908.49

Match Line Sta 123+00

R.R. R/W

Exist. R/W

Exist. R/W

303.39'
869+57.50

252.5'
124+69.13

105'
123+70.52

R/W P.T. Sta. 123+70.52

R/W Sta. 124+70.54 Bk.
= Sta. 124+70.46 Ahd.

135
126+42.44

130'
873+45.00

Slope Limits

Future Construction

34 LA

P.T. Sta. 127+54.19

40'R.

24'

40'R.

Sta. 870+07.68

Begin Sheet

Prop. Pavt.

P.O.T. Sta. 872+10 S.R.5

P.O.T. Sta. 127+72.44 S.R.548

P.O.T. Sta. 874+51.31 S.R.5

P.O.T. Sta. 136+79.55 RAMP

P.O.T. Sta. 870+32.00 S.R.5

P.O.T. Sta. 128+18.19 S.R.548 Future

P.O.T. Sta. 870+07.68 S.R.5

P.O.T. R.R. R/W

871 872 873 875 876 877 878 879 880 881 882 883 884 885

N 50° 38' 00" E

Slope Limits

Future Lanes

Future Slope Limits

40'R.

24'

40'R.

Slope Limits

R=150'

30°

R.R. R/W

N 4° 16' E

P/L

Future Construction

Ralph R. Andre
34 LA
480'
870+87.07

480'
874+19.97

Ralph R. Andre
34 LA
CONT. = 12.33 Ac.±
PRO = 0.58 Ac.±
TOTAL = 12.91 Ac.±

130'
880+01.54

Sta 878+77.6
P/L

Fr. Shed
Fr. Barn
Silo
2 Sty. Fr. Dwg.
Crib
Milk House
Shed

Ralph R. Andre
34 A
Cont 1.76 Ac.±
PRO 1.08 Ac.±
Total 2.84 Ac.±

126.7'
121+70.50

Exist. R/W

Exist. S.R. 548

Exist. R/W

S.R. 548 Reloc.

Future Constr. Limits

Slope Limits

50'
116+00

30'
114+00

118 117 116 115 114

119 120 121 122

Sta. 123+00

Match Line

34 LA

R/W P.C.C. Sta. 121+70.50

R=1803.49

R=1321.40

34 A

R/W P.C.C. Sta. 118+77.17

Slope Limits

R/W P.C. Sta. 116+77.15

R=1803.49

30'
114+00

105'
121+70.50

105'
118+77.17

105'
116+77.15

Flora A. Berry
35 LA
Cont. 6.66 Ac.±

170'
885+50

Abandoned Mill Race

MILL CREEK

R/W P.C. Sta. 882+17.81

End Sheet Sta. 885+50

150'
882+17.81

150'
885+50

℄ Proposed Mill Creek Relocation

35 X
Cont. 1.21 Ac.±

Slope Limits

℄ Proposed Channel Easement

260'
882+17.81

260'
885+50

150'
877+34.59

150'
879+70

300'
879+70

Flora A. Berry
35 LA
Cont. 6.66 Ac.±

Item SS-18-Type A Fence 3622 L.F

CHIPPEWA TWP. T-18-N R-11-W SEC. 17

12-15-64
3-24-58

WAY-5-15.78 SUM-5-0.00 5/19

RIGHT OF WAY Sta. 870+07.68 to Sta. 885+50

LIMITED ACCESS

FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO		

278
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM.-5-0.00

6
19

Scale: 1"=50'

475'
891+12

Prop. Channel Easement

370'
892+75

370'
894+00

℄ Sta. 888+23 P/L

Cont 2.51 Ac.±

36 Y

37 X
Cont. 0.10 Ac.±

297.5'
894+00

SEC. 8
SEC. 17

℄ Sta. 899+87

35 LA
Flora A. Berry

170'
889+32

220'
889+63

220'
888+20

35 WA
Cont. 0.15 Ac.±

170'
888+20

170'
885+50

MILL CREEK

R=125'
Sta. 22+18

60°

15" Dia.

170'
892+00

Juanita C. & Joseph E. Marshall

R=5899.58'

170'
896+34.5

37 LA
Andrew M. & Florence B. Mc Coskrie
Cont. 0.48 Ac.±

170'
899+60.50

38 LA
John J. Rohr & Clarence E. Rohr

P/L

℄ Slope Limits

Heavy Woods

Survey ℄ R/W ℄ P.I.
Sta. 894+32.21

Branch of Mill Creek

Prop. Pavt.

Sta. 885+50

886 887 888 889 890 891 892 893 894 895 896 897 898 899 900

Sta. 901+00

℄ Survey & R/W

Sta. 891+50.00 S.R. 5
Sta. 20+00 Mill Creek

Future Lanes

Begin Sheet

End Sheet

Slope Limits

OVER FLOW CHANNEL

℄ Future Slope Limits

R=125'

70°

Heavy Woods

R=5579.58

150'
885+50

℄ Proposed Mill Creek Relocation

36 X
Cont. 1.31 Ac.±

R=5469.58
Proposed Channel Easement

150'
892+00

260'
892+00

℄ Survey & ℄ R/W Curve Data
P.I = Sta. 894+32.21
Δ = 23° 56' 00" Rt.
D = 1° 00'
R = 5729.58'
Lc = 2393.33'
T = 1214.40'
E = 127.25'

150'
901+00

35 X

260'
885+50

260'
886+39

150'
887+20

36 LA
Juanita C. & Joseph E. Marshall
Cont. 8.72 Ac.±

Item SS-18-Type A Fence 2986 L.F.

CHIPPEWA TWP. T-18-N R-11-W SEC. 17 & 8

RIGHT OF WAY Sta. 885+00 to Sta. 901+00

LIMITED ACCESS

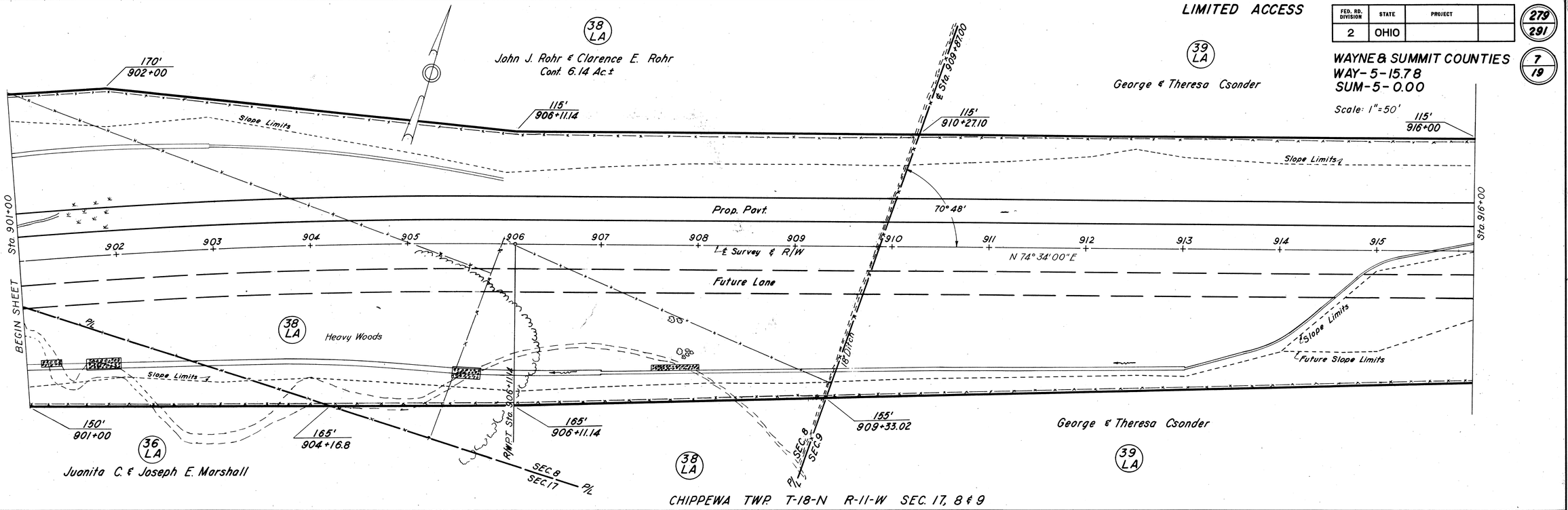
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

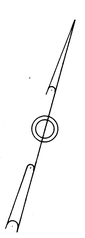
279
291

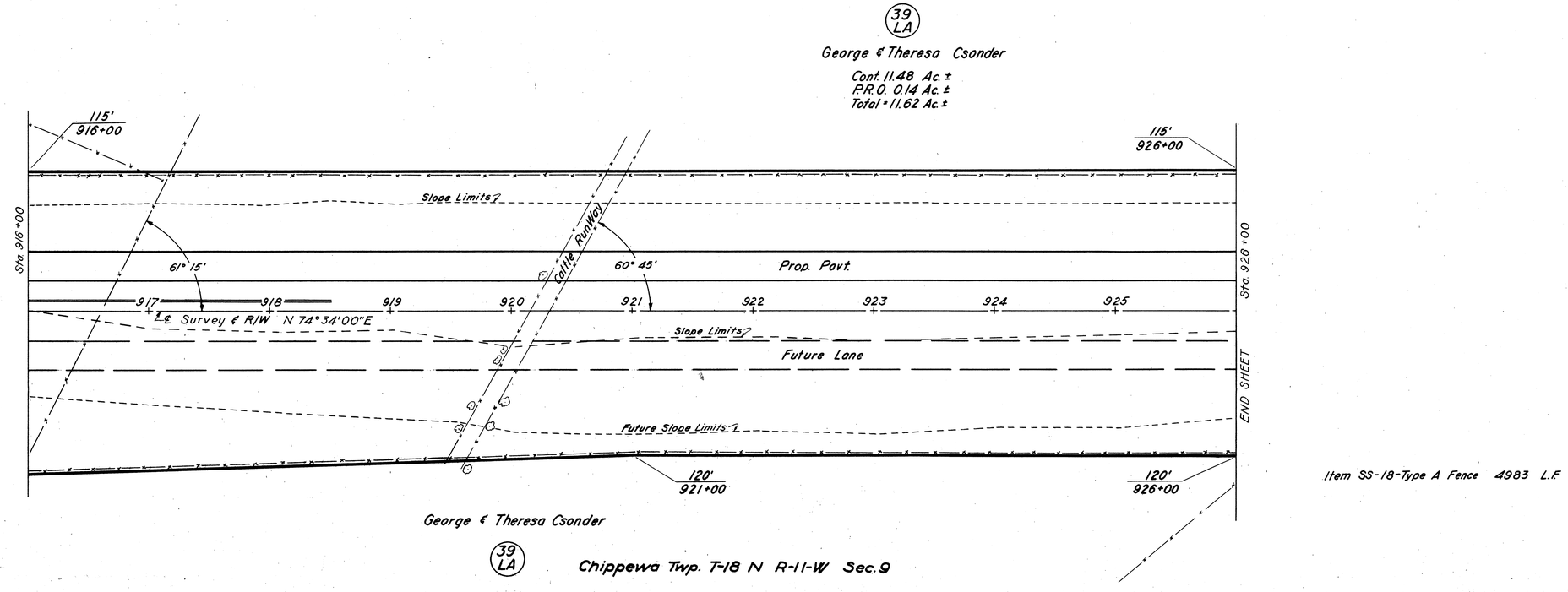
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

7
19

Scale: 1"=50'

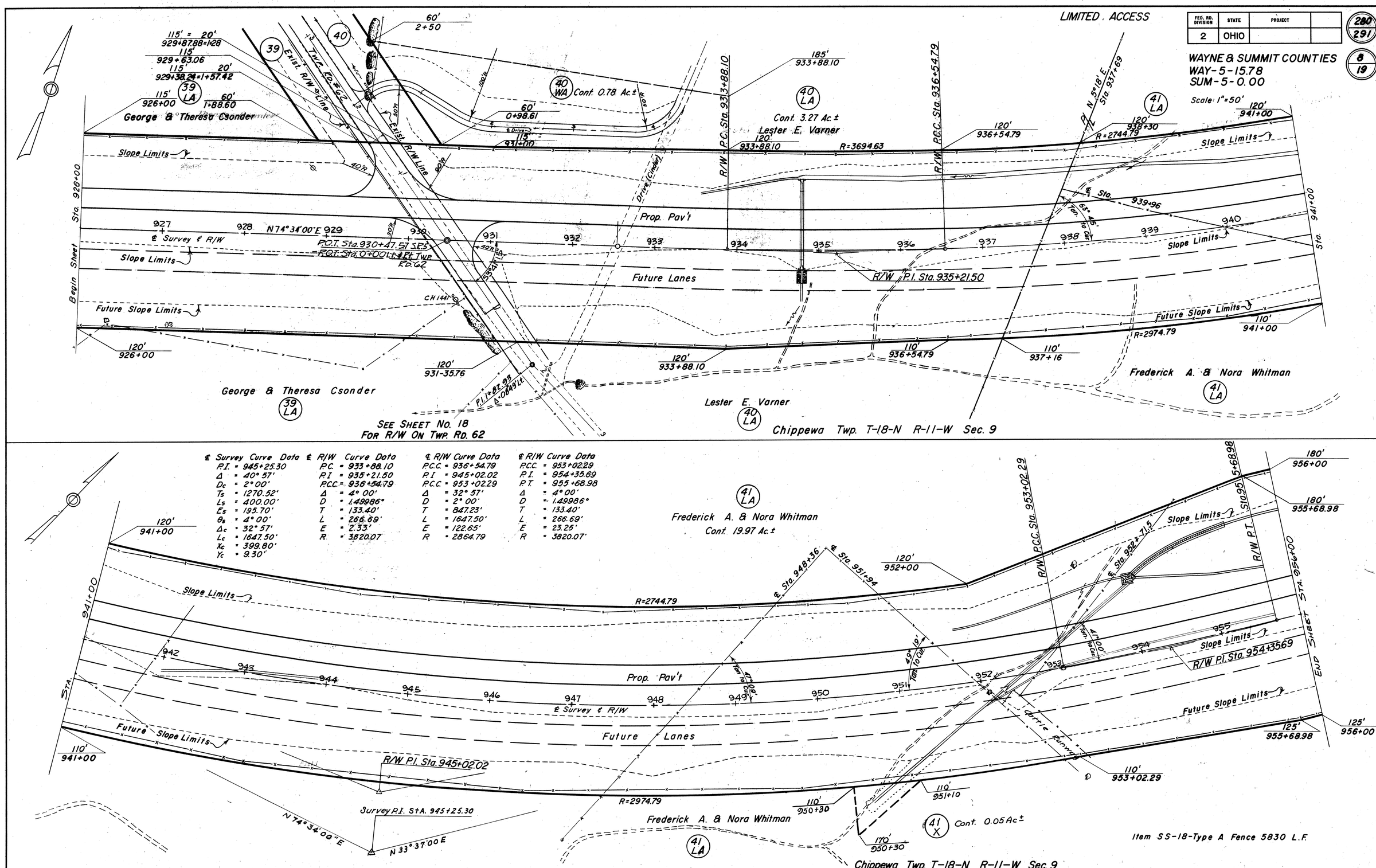






Item SS-18-Type A Fence 4983 L.F

RIGHT OF WAY Sta. 901+00 to Sta. 926+00



℄ Survey Curve Data	℄ R/W Curve Data	℄ R/W Curve Data	℄ R/W Curve Data
P.I. = 945+25.30	P.C. = 933+88.10	P.C.C. = 936+54.79	P.C.C. = 953+02.29
Δ = 40° 57'	P.I. = 935+21.50	P.I. = 945+02.02	P.I. = 954+35.69
Dc = 2° 00'	P.C.C. = 936+54.79	P.C.C. = 953+02.29	P.T. = 955+68.98
Ts = 1270.52'	Δ = 4° 00'	Δ = 32° 57'	Δ = 4° 00'
Ls = 400.00'	D = 1.49986°	D = 2° 00'	D = 1.49986°
Es = 195.70'	T = 133.40'	T = 847.23'	T = 133.40'
θs = 4° 00'	L = 266.69'	L = 1647.50'	L = 266.69'
Δc = 32° 57'	E = 2.33'	E = 122.65'	E = 23.25'
Lc = 1647.50'	R = 3820.07	R = 2864.79	R = 3820.07'
Xc = 399.80'			
Yc = 9.30'			

WAY-5-15.78 SUM-5-0.00 8/19

RIGHT OF WAY Sta. 926+00 to Sta. 956+00

LIMITED ACCESS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

281
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

9
19

Scale: 1"=50'

R/W Sta. 957+02.08 Bk.=
Sta. 957+02.28 Ahd.

30'
39+50

Cont. 0.03 Ac.±

180' = 30'
961+69.72 = 41+06.69

41

41
LA

45'
40+98.88

Frederick A. & Nora Whitman

30'
39+50

Cont. 0.06 Ac.±

42

180'
962+03.54

30' = 180'
41+37.93 = 962+37.36

55'
41+50.95

180'
963+00

Co. Rd. 70

42
LA

Alder & Mary Cikra

212.22'
970+20

43
X

190.38'
970+20

Cont. 0.03 Ac.±

42
X

123.47'
970+20

200'
970+70

120'
970+64.18

120'
970+70

Slope Limits

P.O.T. Sta. 959+50 S.R. 5
P.O.T. Sta. 0+00 Co. Rd. 70 Ramp

Exist. R/W Line

P.O.T. Sta. 963+03.13 S.R. 5
P.O.T. Sta. 43+28.06 Co. Rd. 70

Slope Limits

Sta. 956+00

Sta. 971+00

957 958 959 960 961 962 964 965 966 967 968 969 970

Slope Limits

℄ Survey ℄ R/W

90°

60°-22'-25"

66°-26'

N 33°37'00" E

967.78

28°-50'

Slope Limits

Begin Sheet

Future Slope Limits

Future Slope Limits

End Sheet

125'
958+65

Frederick A. & Nora Whitman

41
LA

Exist. R/W Line

125'
963+74.20

Alder & Mary Cikra

125'
970+00

42
LA

Cont. 5.25 Ac.±
P.R.O. 0.23 Ac.±
Total 5.48 Ac.±

P.C. Sta. 2+56.09

P.O.T. Sta. 46+75.00 Co. Rd. 70
P.O.T. Sta. 9+33.34 Ramp

P.T. Sta. 6+73.65

RAMP

2 Sty Fr.

401.57'
965+31.45

Gar.

Fr. Sh.

Barn

Co. Road 70 Ramp Curve Data
P.C. = Sta. 2+56.09
P.T. = Sta. 6+73.65
Δ = 119°37'15"
T = 343.78
L = 417.56
R = 200'

Cont. 0.01 Ac.±

41
A

40'
47+90

P/L

30'
48+50

550' = 300.30'
962+70.39 = 47+90

550'
958+65

Item SS-18 Type A Fence 3448 L.F.

Chippewa Twp. T-18-N R-11-W Sec. 9

RIGHT OF WAY Sta. 956+00 to Sta. 971+00

LIMITED ACCESS

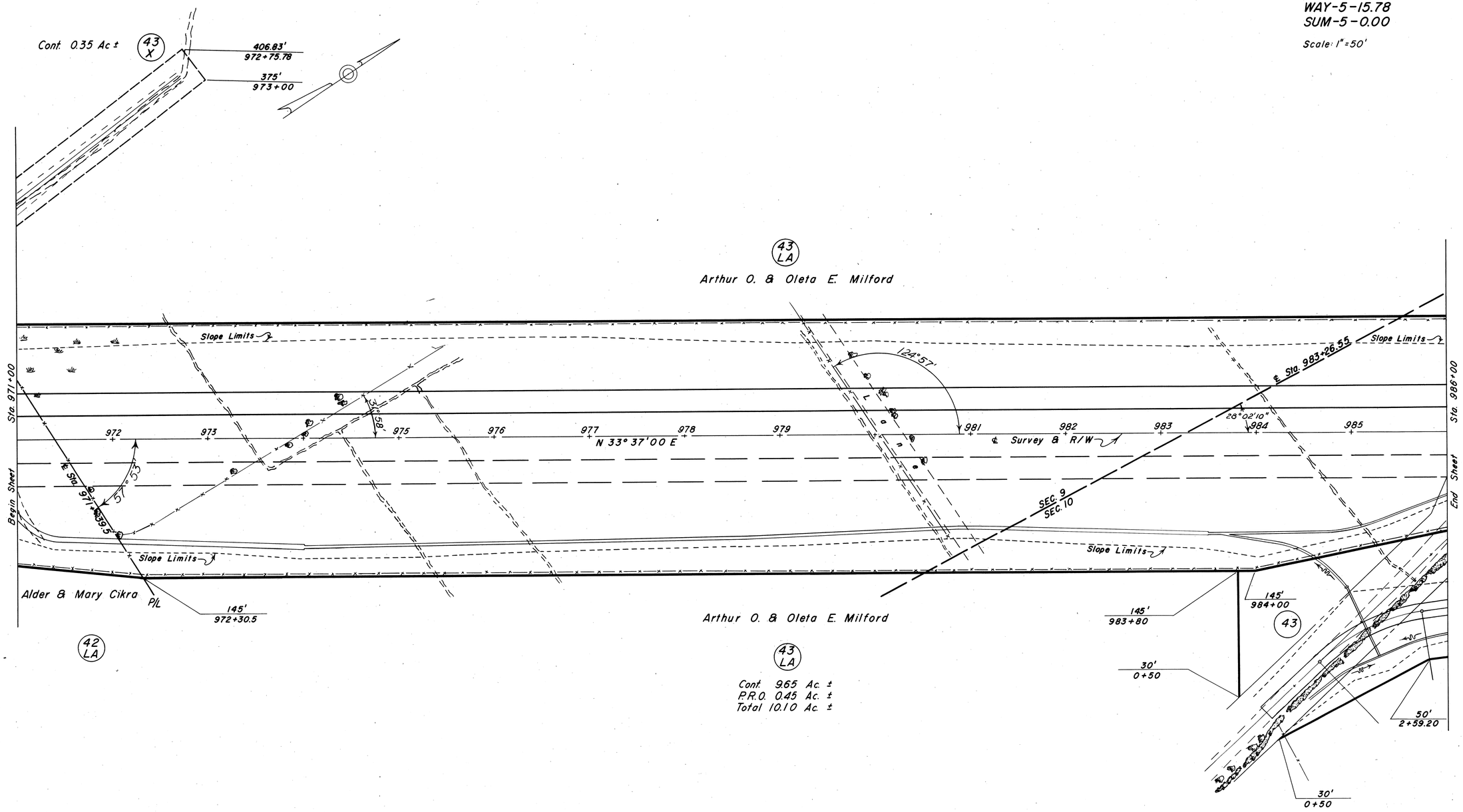
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

282
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

10
19

Scale: 1" = 50'



Item SS-18-Type A Fence 3004 L.F.

Chippewa Twp. T-18-N R-11-W Sec. 9 & 10

RIGHT OF WAY Sta. 971+00 to Sta. 986+00

LIMITED ACCESS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

283
291

11
19

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

Scale: 1" = 50'

20' / 26+36.93 = 169.87' / 987+62.95
20' / 25+81.31 = 120' / 987+87.58
61.90' / 26+02.00 = 120' / 987+40.85

43 LA

SEC.9 SEC.10

Arthur O. & Oleta E. Milford

P.O.T. Sta. 986+54.86 S.R.5
P.O.T. Sta. 2+50.29 Twp. Rd. 100

SEC.4 SEC.9 SEC.3 SEC.10

CH 1316 of CH 1315

Cinder & Gravel

Exist. R/W

TWP. RD. 13

8" Gaylord Paint

Gravel Edge

Exist. R/W

Cultivated Corn Field

20' / 26+63.36
120' / 988+09.89
115' / 988+12.36
20' / 25+54.98 = 115' / 988+34.67
60' / 25+35.22

44 LA
Cont. 2.62 Ac. ±
P.R.O. 0.11 Ac. ±
Total 2.73 Ac. ±
Peter Paul Rupp

See Sheet No. 19 for Twp. Rd. 100 & Twp. Rd. 13

P.O.T. Sta. 988+69.16 S.R.5
P.O.T. Sta. 24+36.60 Twp. Rd. 13

Slope Limits

Prop. Pavt.

Future Lanes

Cultivated Field

Woods

Sta. 994+76 P/L

115' / 994+43.94
115' / 995+41.79
150' / 995+41.79
150' / 998+08.48
115' / 998+82.54
115' / 1001+00

45 LA
Albert Goffinet
R=3970.07
Cont. 0.15 Ac. ±
45 X
R=3935.07
R=2979.79

Louis & Margaret Rabatin
46 LA

R/W & P.I. Sta. 996+75.19

49° 43'

65° 52' Tan. to Curve

Sta. 1001+00

Sta. 998+08.48

Woods

℄ Survey
Curve Data
P.I. Sta 1008+13.94
Δ = 45°36'30" Rt.
Dc = 2°00'
Ls = 400.00'
Ts = 1405.47'
Es = 245.43'
θs = 4°00'
Δc = 37°36'30"
Lc = 1880.42
Xc = 399.80'
Yc = 9.30'

R/W P.C.C. Sta. 998+08.48

R=2739.79

Sta.

STA. 986+00

BEGIN SHEET

CH 1315

CH 1316 & CH 1368

105' / 986+00
105' / 988+98.71 = 20' / 23+29.37

TWP. RD. 100 Reloc.

Sta. 22+85.00 Twp. Rd. 13
Sta. 6+25.82 Twp. Rd. 100 Reloc.

105' / 991+00
20' / 23+09.61 = 105' / 989+43.33
70.81' / 22+84.51
105' / 989+21.02

Peter Paul Rupp
44 LA

50' / 5+78.96
60' / 22+51.89
43

Trustees of Cemetery Association of Doylestown, Ohio.

P/L

Sta. 993+90.90 P/L

120' / 994+44.26
125' / 995+41.79
125' / 998+08.48
125' / 1000+89.52

Albert Goffinet
Cont. 3.19 Ac. ± 45 LA

Chippewa Twp. T-18-N R-11-W Sec. 3,4,9,&10

R/W & P.I. Sta. 1007+83.97

Louis & Margaret Rabatin 46 LA

115' / 1009+49
115.5' / 1010+36
145' / 1014+00
115' / 1001+00

R=2979.79

Slope Limits

P.I.

Prop. Pavt.

Sta. 1012+44

End Sheet Sta. 1014+00

Future Lanes

*Future Slope Limits

Uncultivated Field

Cultivated Field

Brush

P.O.C.

℄ Sta. 1008+71 P/L

125' / 1007+77

200' / 1014+00

Lula Crummel
47 LA

Item SS-18-Type A Fence 5363 L.F.

℄ Survey
Curve Data
P.I. 1008+13.94
Δ = 45°-36'-30" Rt.
Dc = 2°-00'
Ls = 400.00'
Ts = 1405.47'
Es = 245.43'
θs = 4°-00'
Δc = 37°-36'-30"
Lc = 1880.415'
Xc = 399.80'
Yc = 9.30'

Curve Data
Connection to N.B. Lanes
P.I. = 1010+05.95
Δ = 15°-18'-15"
Dc = 2°-59'-32"
R = 1914.87'
L = 511.47'
T = 257.27'

Spiral Data
Connection to N.B. Lanes
Ls = 500
θs = 7°30'
P = 5.46'
Xc = 499.14'
Yc = 21.79'

℄ R/W Curve Data

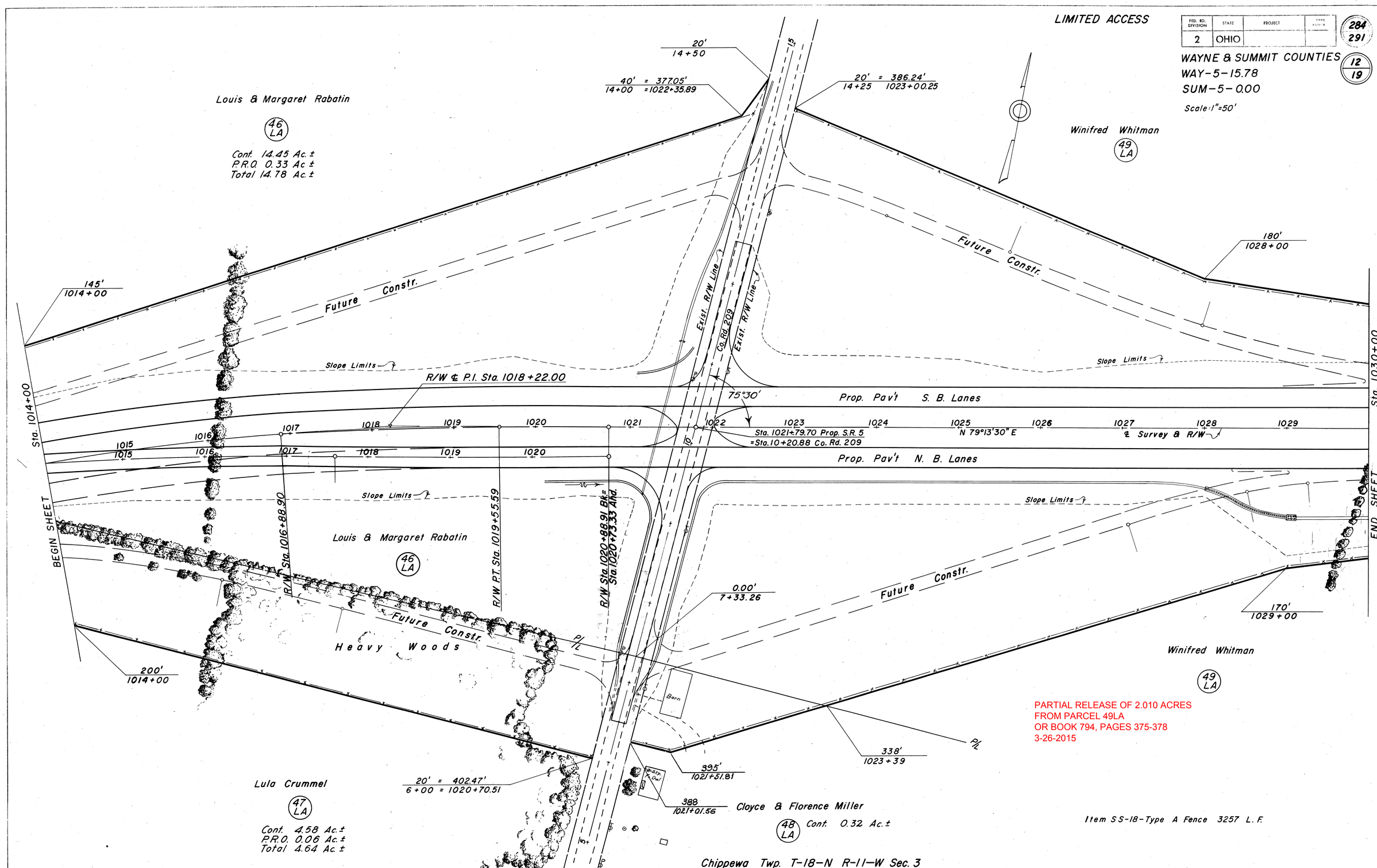
P.C. = Sta. 995+41.79	P.C.C. = Sta. 998+08.48	P.C.C. = Sta. 1016+88.90
P.I. = Sta. 996+75.19	P.I. = Sta. 1007+83.97	P.I. = Sta. 1018+22.30
P.C.C. = Sta. 998+08.48	P.C.C. = Sta. 1016+88.90	P.T. = Sta. 1019+55.59
Δ = 4°00'	Δ = 37°36'30"	Δ = 4°00'
D = 1.49986°	D = 2°00'	D = 1.49986°
T = 133.40'	T = 975.49'	T = 133.40'
L = 266.69	L = 1880.42'	L = 266.69
E = 2.33'	E = 16.15'	E = 2.33'
R = 3820.07	R = 2864.79'	R = 3820.07

Louis & Margaret Rabatin

Chippewa Twp. T-18-N R-11-W Sec. 3

WAY-5-15.78 SUM-5-0.00 11/19

RIGHT OF WAY Sta. 986+00 to Sta. 1014+00



PARTIAL RELEASE OF 2.010 ACRES
FROM PARCEL 49LA
OR BOOK 794, PAGES 375-378
3-26-2015

WAY-5-15.78 SUM-5-0.00 12/19

RIGHT OF WAY Sta. 1014+00 to Sta. 1030+00

LIMITED ACCESS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

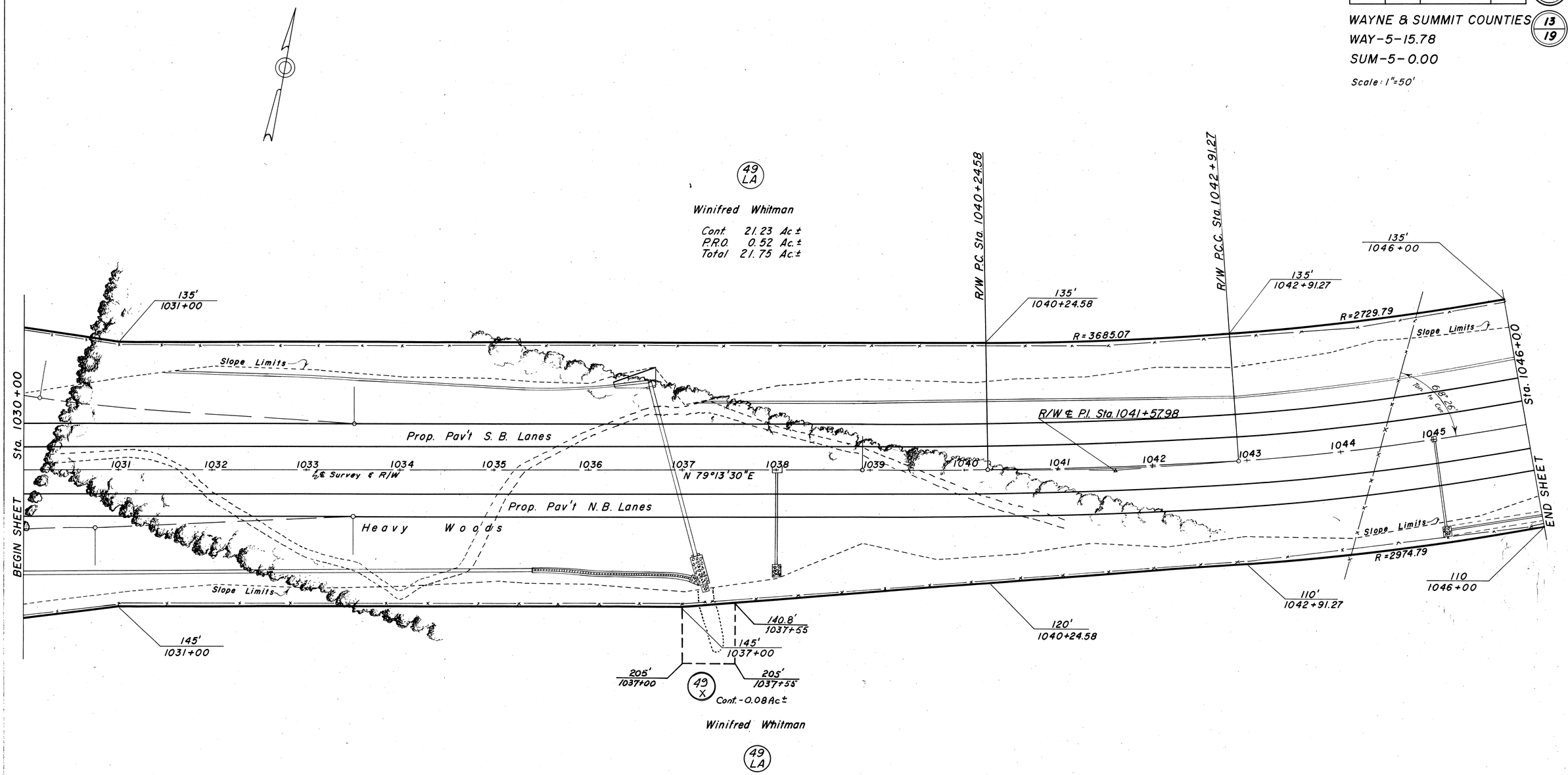
285
291

WAYNE & SUMMIT COUNTIES 13/19

WAY-5-15.78

SUM-5-0.00

Scale: 1"=50'



Item SS-18 Type A Fence 3200 L.F.

Chippewa Twp. T-18-N R-11-W Sec. 3

RIGHT OF WAY Sta. 1030+00 to Sta. 1046+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

286
291

14
19

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

Scale: 1"=50'

LIMITED ACCESS

℄ SURVEY
CURVE DATA
P.I. Sta. 1048+80.08
Δ = 30°46' 00" Lt.
Dc = 2° 00'
Ls = 400.00'
Ts = 988.82'
Es = 108.87'
Os = 4° 00'
Δc = 22°46' 00"
Lc = 1138.33'
Xc = 399.80'
Yc = 99.30'
R = 2729.79

℄ R/w Curve Data

P.I. = Sta. 1041+57.98	P.I. = Sta. 1048+68.05	P.I. = Sta. 1055+63.00
P.C. = Sta. 1040+24.58	P.C.C. = Sta. 1042+91.27	P.C.C. = Sta. 1054+29.60
P.C.C. = Sta. 1042+91.27	P.C.C. = Sta. 1054+29.60	P.T. = Sta. 1056+96.29
Δ = 4° 00'	Δ = 22° 46'	Δ = 4° 00'
D = 1.49986°	D = 2° 00'	D = 1.49986°
T = 133.40'	T = 576.78	T = 133.40'
L = 266.69'	L = 1138.33'	L = 266.69'
E = 2.33'	E = 57.49'	E = 2.33'
R = 3820.07	R = 2864.79	R = 3820.07

Winifred Whitman (49 LA)
Cont. 0.04 Ac.±
Cont. 0.02 Ac.±
Lester W. & Bertha Brillhart (50 LA)
Cont. 5.75 Ac.±
P.R.O. 0.20 Ac.±
Total 5.95 Ac.±
Cont. 0.03 Ac.±
Winifred Whitman (49 B)
Winifred Whitman (49 C)
Lester W. & Bertha Brillhart (50 B)
Lester W. & Bertha Brillhart (50 LA)

Twp. Rd. 61
Exist. R/W Line
P.C.C. Sta. 1054+29.60
P.T. Sta. 1056+96.29
Sec. 3
Sec. 2
Pl ℄ Sta. 1061+63
R/W Sta. 1058+29.61 Bk. = Sta. 1058+29.58 Ahd.

BEGIN SHEET
Sta. 1046+00
Sta. 1061+00

Slope Limits
Prop. Pav't S. B. Lanes
Prop. Pav't N. B. Lanes
R/W ℄ Pl. Sta. 1048+68.05
Survey ℄ Pl. Sta. 1048+80.08
R/W ℄ Pl. Sta. 1055+63.00
℄ Survey & R/W

Chippewa Twp. T-18-N R-11-W Sec. 3 & 2

Robert D. & Thelma M. Thornton (51 LA)
Mary Deible (52 LA) Cont. 0.25 Ac.±
Rose Gish (53 LA) Cont. 3.35 Ac.±
Lester W. & Bertha Brillhart (50 LA)
Robert D. & Thelma M. Thornton (51 LA) Cont. 6.11 Ac.±
Rose Gish (53 LA)
The East Ohio Gas Co. (54 LA)
John E. Worcester (55 LA) Cont. 1.66 Ac.± P.R.O. 0.28 Ac.± Total 1.94 Ac.±

Silver Creek
Co. Rd. 35
Sta. 1068+38.50
Channel 20+00
N 48° 27' 30" E
30' Gas Line 42" Cover
R/W P.C.C. Sta. 1074+90.50
℄ Sta. 1069+12.55
℄ Sta. 1074+57.80
℄ Sta. 1075+57.88
Cont. 0.70 Ac.±
P.R.O. 0.04 Ac.±
Total 0.74 Ac.±
Item S S-18-Type A Fence 5811 L.F.

END SHEET
Sta. 1076

12-15-Ga

WAY-5-15.78 SUM-5-0.00 14/19

RIGHT OF WAY Sta. 1046+00 to Sta. 1076+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

287
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

15
19

Scale: 1"=50'

LIMITED ACCESS

Survey & P.I. Sta. 1088+22.44
N48°27'30"E
N85°05'50"E

R/W & P.I. Sta. 1088+03.53

Cont. 8.48 Ac.±
P.R.O. 0.24 Ac.±
Total 8.72 Ac.±

See Sheet No. 18 For R/W on Co. Rd 55

The East Ohio Gas Co.

Reloc. Co. Rd. 55

SUMMIT COUNTY

WAYNE COUNTY

WAYNE COUNTY ROAD 55

Exist R/W

Slope Limits

P.I. Sta. 139+93.41
Δ = 45°00'00"
D = 20°
T = 118.66'
L = 225.00'
R = 286.48'

P.T. Sta. 141+59.81

P.O.C. Sta 1+00.00 S.R.5
P.O.T. Sta 141+65.41 Co. Rd. 55
Sta 140+58.25 Co. Rd 55
P.O.C. Sta. 0+00 Ahd S.R.5

70°00'00" Tan. to Curve

P.O. Sta. 142+34.49

Co. Rd. 55 (Reloc.)
P.I. Sta. 143+97.83
Δ = 29°43'04" Lt.
D = 84°00'00"
T = 63.34'
L = 123.82'
R = 238.13'

Sta 143+58.31 Bk. Ahd.
Sta 143+12.03

Sta. 1076+00 BEGIN SHEET

1077
R/W & P.I. Sta. 1076+23.87

P.C.C. Sta. 1077+57.18

P.O.C. Sta. 0+76.96 Bk.
= Sta. 0+00 Ahd.

R=3654.72

R=4928.20

165' 1076+00

165' 1077+57.18

A. & A. Toth

John E. Worcester

Chippewa Twp. T-18-N R-11-W Sec. 2

County Line

Exist R/W

SEC. 2

A. & A. Toth

Prop. Pavt.

℄ Survey & R/W

55° 14' Tan. to cur.

27° 21' Tan. to Curve

115' 5+50

115' 13+00

R=3934.72

Slope Limits

Prop. Pavt.

R=3699.72

120' 6+75

℄ Survey Curve Data
P.I. 1088+22.44
Δ = 36°38'20" Rt.
Ls = 400.00'
Ts = 1465.27'
Es = 205.81'
Dc = 1°30'
Θs = 5°00'
Δc = 30°38'20"
Lc = 2042.59'
Xc = 399.89'
Yc = 6.98'

Cont. 0.32 Ac.±

Channel Easement

R=3654.72

120' 10+00

165' 6+75

165' 10+00

℄ R/W Curve Data

P.I. = Sta. 1076+23.87	P.I. = Sta. 1088+03.53	P.I. = Sta. 21+26.18
P.C. = Sta. 1074+90.50	P.C.C. = Sta. 1077+57.18	P.C.C. = Sta. 19+92.81
P.C.C. = Sta. 1077+57.18	P.C.C. = Sta. 19+92.81	P.T. = Sta. 22+59.49
Δ = 3° 00'	Δ = 30° 38' 20"	Δ = 3° 00'
D = 1.124947°	D = 1° 30'	D = 1.124947°
T = 133.37'	T = 1046.35'	T = 133.37'
L = 266.68'	L = 2042.59'	L = 266.68'
E = 1.75'	E = 140.72'	E = 1.75'
R = 5093.20'	R = 3819.72'	R = 5093.20'

Field Drive

Fr. Barn

Fence

Norton Twp. T-1-N R-12-W LOT 91 & 92

L. & S. Duvall

R. C. Gandee & E. J. Gandee

W. L. Shaffer

PARCEL No 7 NOT ASSIGNED

NOTE:
ELM DR. & RAY ST. have no outlet to existing street system.

P&K. PETRICH
M. & L.G. CHOLAK
ARA TOTH
L.I.S. DUVALL
R.C.& E.G. GANDEE
W.L. SHAFFER
F.G. & J.C. BAKER
RAY
ELM DR.
PROP. R/W
PROP. R/W
P.C.C. 19+92.81
P.T. 22+59.49
DR.
Re: ALLT. HILL CREST EST. PB 35 P62

Lot No. 3
Lot No. 4
Lot No. 5
Lot No. 15
Lot No. 16
Lot No. 17
Lot No. 18
Lot No. 19
Lot No. 20
Lot No. 21

60'
110'
111.88
150'
161.91'
165.63'
128.30'
269'
125.30'

115' 16+33
117' 20+30
115' 19+92.81
115' 15+00
115' 15+67
120' 20+44.5
124' 21+15
132' 22+10.5
130' 22+59.49

℄ Sta. 18+00.01
℄ Sta. 20+76
(Cover)
℄ Sta. 21+37
Sewer
Barricade
R/R
R/W P.C.C. Sta. 19+92.81
R/W P.T.
END SHEET
STA. 23+00
STA. 13+00

J.G. & V.L. Bowman
Cont. 2.56 Ac.±

F.G. & J.C. Baker

Norton Twp. T-1-N R-12-W LOT 92

Item SS-18-Type A Fence 4551 L.F.

3-27-58

WAY-5-15.78 SUM-5-0.00 15/19

RIGHT OF WAY Sta. 1076+00 to Sta. 23+00

LIMITED ACCESS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

288
291

16
19

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

Scale: 1"=50'

Cont. 0.62 Ac.± (13 LA) (13) Cont. 0.05 Ac.±
Mike Plavisty

Cont. 0.07 Ac.± (12 LA)
Anna Stewart

F.G. & J.C. Baker
Cont. 2.47 Ac.± (8 LA)

F.G. & J.C. Baker
Cont. 1.77 Ac.± (9 LA)

D.F. Scott
Cont. 1.63 Ac.± (11 LA)

T. Coon
Cont. 1.24 Ac.± (24 LA)

I. Coon
Cont. 0.39 Ac.± (25 LA)

F.C. First & C.L. First
Cont. 0.25 Ac.± (26 LA)

W.O. & L.C. Winters
Cont. 1.03 Ac.± (10 LA)

S.S. Baughman
Cont. 1.14 Ac.± (27 LA)

W.O. & L.C. Winters
Cont. 0.03 Ac.± (14)

H.J. Swain
Cont. 0.37 Ac.± (28 LA)

E.H. Mutlett
Cont. 0.05 Ac.± (21)

M. Gujin
Cont. 0.04 Ac.± (22)

G. Holvey
Cont. 231 Ac.± (23 LA)

Prop. Pavt

Prop. R/W

Exist. R/W Line

Slope Limits

Ramp E

Ramp F

Ramp G

Earth Dr.

Stone Drive

Cinder Drive

Gravel Drive

Garden

Heavy Woods

Light Brush

Peach Orchard

Apple Orchard

Pines

Lot No. 6 through Lot No. 14

Lot No. 78 through Lot No. 97

Lot No. 80 through Lot No. 96

Lot No. 81 through Lot No. 95

Lot No. 82 through Lot No. 94

Lot No. 83 through Lot No. 93

Lot No. 84 through Lot No. 92

Lot No. 85 through Lot No. 86

Lot No. 27

OAKLAND AVENUE

ELM AVENUE

HILLCREST ESTATES P.B. 26-P. 42
RE-ALLOT. OF HILLCREST EST. P.B. 35 P. 62

PARCEL Nos. 17 & 18
NOT ASSIGNED

Norton Twp. T-1-N R-12-W LOT-92 & 93

Begin Sheet

R/W Sta. 23+92.82 Bk = Sta. 23+92.80 Ahd.

Sta. 16+00

Sta. 30+31

Sta. 26+78

Match Line

Match Line Sta. 16+00

Sta. 36+74.29

P.O.T. Sta. 17+10.27 Hametown Road
P.O.T. Sta. 0+00 Ramp E-F

P.O.T. Sta. 32+43.80 S.R. 5 Reloc.
P.O.T. Sta. 20+00 Co. Rd. 253

P.O.T. Sta. 22+20.60
P.O.T. Sta. 32+22.47

P.O.T. Sta. 31+15.37 Exist. S.R. 5
P.O.T. Sta. 27+11.68 Co. Rd. 253

Co. Rd. 253 Ramp G

Jane Ave.

Exist. R/W Sum.-21-023

Item S S-18-Type A Fence 2735 L.F.

M. Minium

E. Existing S.R. 5

TIMETOWN RICHFIELD ROAD 23

Prop. R/W
Lot No. 60
184.75'

Lot No. 1
Cont. 0.04 Ac.±

Lot No. 2
Cinder Dr.
Cont. 0.05 Ac.±

Lot No. 3
1½ Sty. C.Bl. Ho.

Lot No. 4
1½ Sty. Br. Dwg.

Lot No. 5
Cont. 0.004 Ac.±

Lot No. 6
1 Sty. Fr. Dwg.

Don Cottrell
Cont. 0.05 Ac.± (20)

Ann Jones
Cont. 0.38 Ac.± (29 LA)

M.A. Smith
Cont. 0.22 Ac.± (30 LA)

Cont. 0.18 Ac.± (30 A)

E.I. Baughman
Cont. 0.03 Ac.± (16)

Cont. 0.02 Ac.± (16 A)

C.S. Jones
Cont. 0.03 Ac.± (31)

Cont. 0.03 Ac.±

Cont. 0.03 Ac.±

Cont. 0.03 Ac.±

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

289
291

WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

17
19

Scale: 1"=50'

HOME GARDEN ALLOTMENT
P.B. 21-P.12

LIMITED ACCESS

SWAIN AVE. 50'

JANE AVE.

HILLY AVE.

JONES ST.

Exist. R/W Line

Exist. R/W Sum.-21-023

Exist. R/W Sum.-21-0.23

Slope Limits

POC. Sta. 13+50.00 Begin Work Contract (WAY 5-15.78 SUM 5-0.00)

END PROJECT STA. 45+55

W.S. & C.M. Shields — Lot No. 78 — 148.18' — Lot No. 120
W.R. & W. King — Lot No. 77 — Lot No. 12
Lot No. 76 — Lot No. 122
Lot No. 75 — Lot No. 123
Lot No. 74 — Lot No. 124
R. & W.M. King — Lot No. 73 — Lot No. 125
SL. & M. Galehouse — Lot No. 126
W. Massey — Lot No. 72 — Cont. 0.17 Ac.±
S. & C.J. Schwager — Lot No. 71 — Cont. 0.26 Ac.±
Lot No. 70 — Cont. 0.37 Ac.±
Lot No. 129 — Cont. 0.34 Ac.±
Cora J. Schwager — Lot No. 129 — 148.18'
C.A. Galehouse — Lot No. 69 — Cont. 0.17 Ac.±
C. & W. Shields — Lot No. 68 — Cont. 0.17 Ac.±
Lot No. 67 — Cont. 0.17 Ac.±
Baughman — Lot No. 131 — Cont. 0.17 Ac.±
Lot No. 66 — Lot No. 132
D.C. Galehouse — Lot No. 65 — Cont. 0.95 Ac.±
Lot No. 64 — Hometown Nazarene Church
Lot No. 63
Church of the Nazarene (Basement)
Lot No. 62 — Cont. 0.26 Ac.±
B. Lance Et Al Tr. — Cont. 0.16 Ac.±
Lot No. 61
Lot No. 133
Lot No. 134
Lot No. 135
Lot No. 57 — King-Belmont Coal Co.
Lot No. 58
Lot No. 59
I. E. & R.F. Andrews — Lot No. 60

43 — 42 — 41 LA — 40 LA — 39 LA — 38 LA — 37 LA — 36 LA — 35 LA — 34 LA — 33 LA — 32 LA

Match Line 185.88 36+80.49

328.95' 37+60.18
259.35' 37+46.10
176.53' 37+30.51
374.02'
53.65'
148.18'
85.70'
148.18'
297.61' 39+27.21
190.81' 40+53.71
299.0' 40+46.17
88.33' 39+77.15
269.55' 41+67.03
302.02' 41+16.97
618.55' 17+58.77' US 21

R/W P.C. Sta. 37+19.02
R/W P.I. Sta. 38+02.39
R/W P.C.C. Sta. 38+85.70
R/W P.I. Sta. 42+05.78
R/W P.C.C. Sta. 45+19.96
R/W P.I. Sta. 46+03.33
R/W P.T. Sta. 46+86.64
R/W Sta. 47+69.97 Bk = Sta. 47+69.95 Ahd.
R/W P.C.C. Sta. 45+19.96
R/W P.T. Sta. 46+86.64
R/W P.I. Sta. 42+05.78
R/W P.I. Sta. 46+03.33
R/W P.C. Sta. 38+85.70
R/W P.I. Sta. 38+02.39
R/W P.I. Sta. 36+74.29
R/W P.T. Sta. 38+02.39
R/W P.I. Sta. 42+05.78
R/W P.I. Sta. 38+02.39
R/W P.C. Sta. 37+19.02
R/W P.I. Sta. 36+74.29
R/W P.T. Sta. 38+02.39
R/W P.I. Sta. 42+05.78
R/W P.I. Sta. 46+03.33
R/W P.T. Sta. 46+86.64
R/W P.C.C. Sta. 45+19.96
R/W P.T. Sta. 46+03.33

LIMITED ACCESS

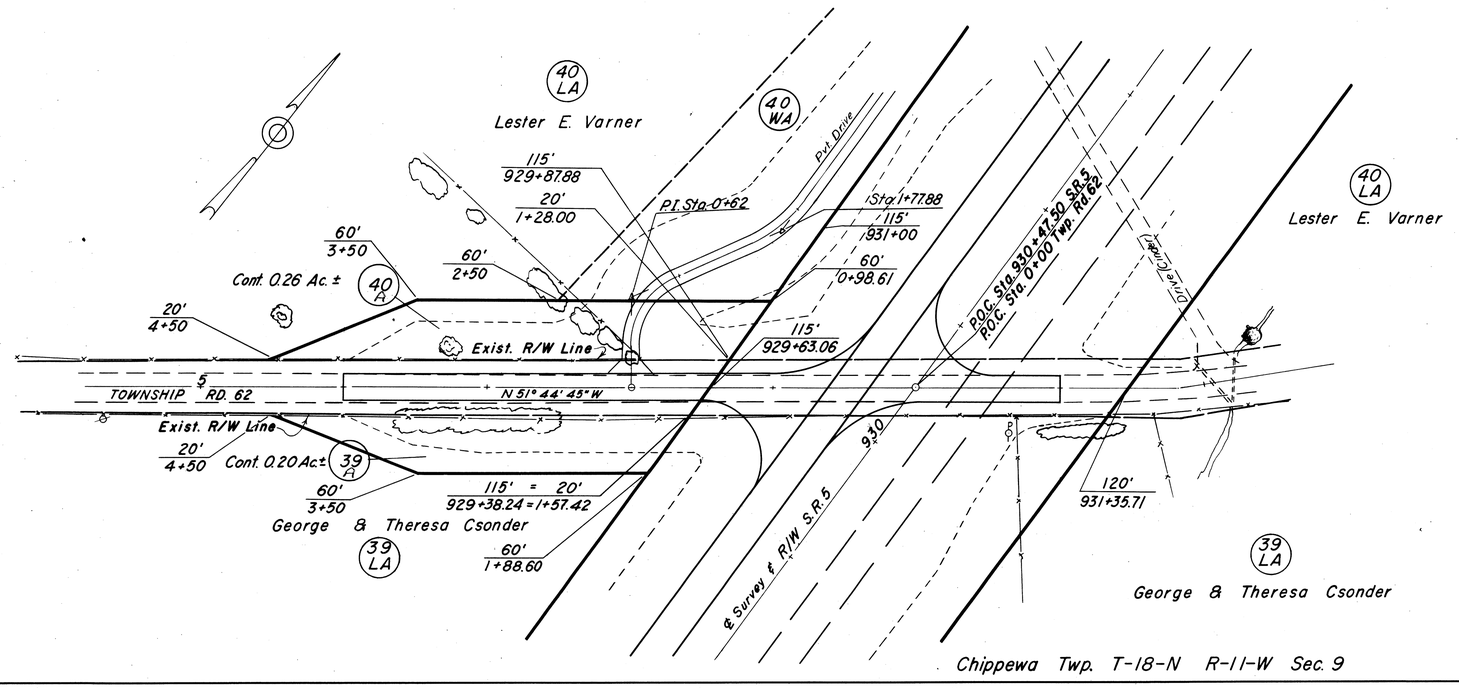
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

290
291

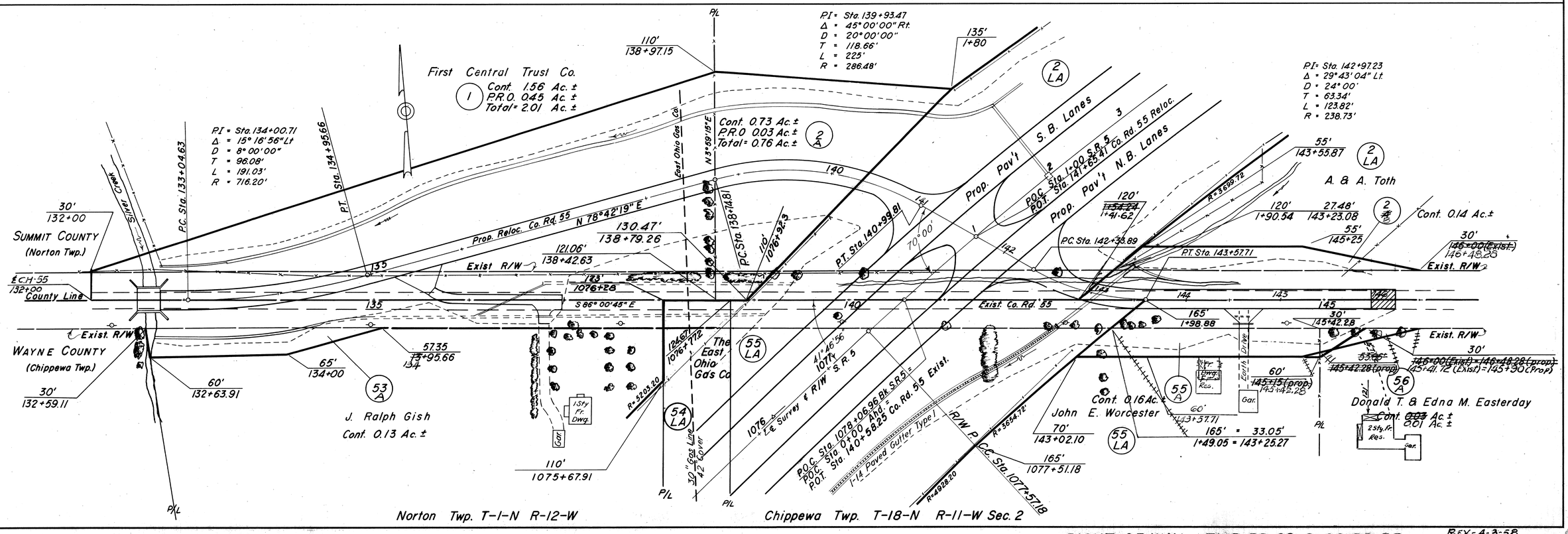
WAYNE & SUMMIT COUNTIES
WAY-5-15.78
SUM-5-0.00

18
19

Scale: 1"=50'



Chippewa Twp. T-18-N R-11-W Sec. 9



Norton Twp. T-1-N R-12-W

Chippewa Twp. T-18-N R-11-W Sec. 2

LIMITED ACCESS

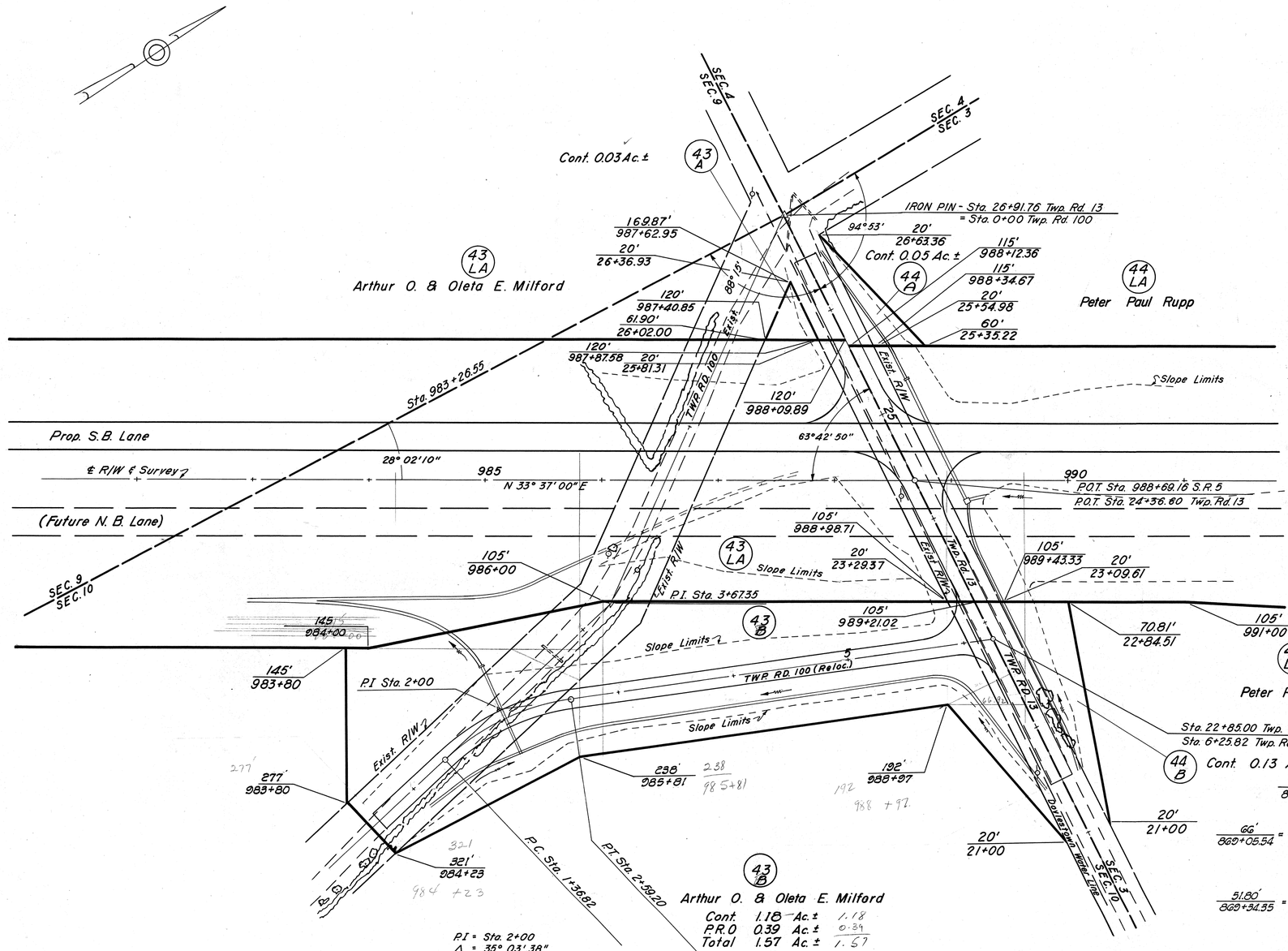
FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			291 / 291

WAYNE & SUMMIT COUNTIES 19/19

WAY-5-15.78

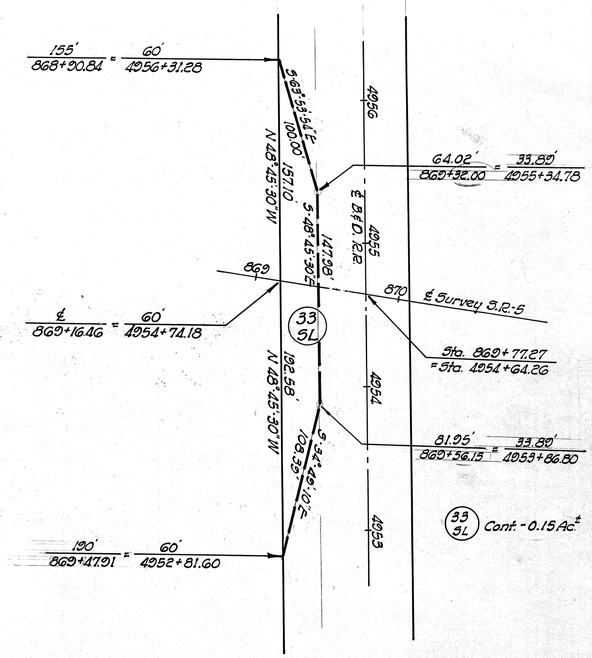
SUM-5-0.00

Scale: 1"=50'



Chippewa Twp. T-18-N R-11-W Sec. 3,4,9,&10

Rev. 6/28/58



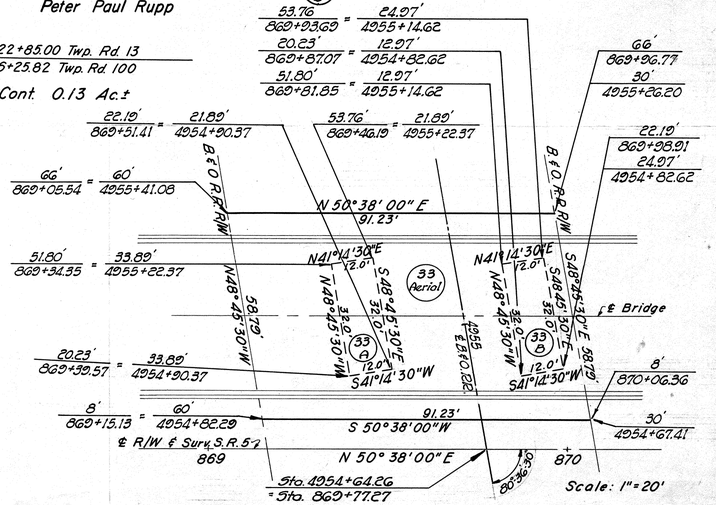
Slope Easement

SCALE: 1"=50'

33 A Cont. - 0.01 Ac.±

33 B Cont. - 0.01 Ac.±

33 Aerial Cont. - 0.12 Ac.±



Scale: 1"=20'

S.R. 5 Aerial and Occupational Easements on B. & O. R.R.

WAY-5-15.78 SUM-5-0.00 19/19

RIGHT OF WAY TWP. RD. 13 & TWP. RD. 100

LOCATION PLAN

STATE ROUTE No. 5

WAY.- 5-15.78

SUM.- 5-0.00

WAYNE & SUMMIT COUNTIES

CURVE DATA

①
P.I.= Sta. 837+69.40
Δ = 9° 23' 30"
D = 1° 28'
T = 320.89'
L = 640.34'
E = 13.16'
R = 3906.53'

P.C.= Sta. 844+54.89
P.I.= Sta. 845+88.47
P.C.C.=Sta.847+21.62
Δ = 8° 00' Lt.
D = 2.99934°
T = 133.58'
L = 266.73'
E = 4.66'
R = 1910.28'

②
P.C.C.=Sta. 847+21.62
P.I.= Sta. 848+21.26
P.C.C.=Sta. 849+20.58
Δ = 7° 57' 30" Lt.
D = 4° 00'
T = 99.64'
L = 198.96'
E = 3.46'
R = 1432.40'

P.C.C.= Sta. 849+20.58
P.I.= Sta. 850+54.16
P.T.= Sta. 851+87.31
Δ = 8° 00' Lt.
D = 2.99934°
T = 133.58'
L = 266.73'
E = 4.66'
R = 1910.28'

③
P.C.= Sta. 856+26.76
P.I.= Sta. 857+60.34
P.C.C.=Sta. 858+93.49
Δ = 8° 00' Rt.
D = 2.99934°
T = 133.58'
L = 266.73'
E = 4.66'
R = 1910.28'

P.C.C.=Sta. 858+93.49
P.I.= Sta. 861+22.71
P.C.C.=Sta. 863+48.07
Δ = 18° 11' Rt.
D = 4° 00'
T = 229.22'
L = 454.58'
E = 18.22'
R = 1432.40'

P.C.C. = Sta. 863+48.07
P.I.= Sta. 864+81.65
P.T.= Sta. 866+14.80
Δ = 8° 00' Rt.
D = 2.99934°
T = 133.58'
L = 266.73'
E = 4.66'
R = 1910.28

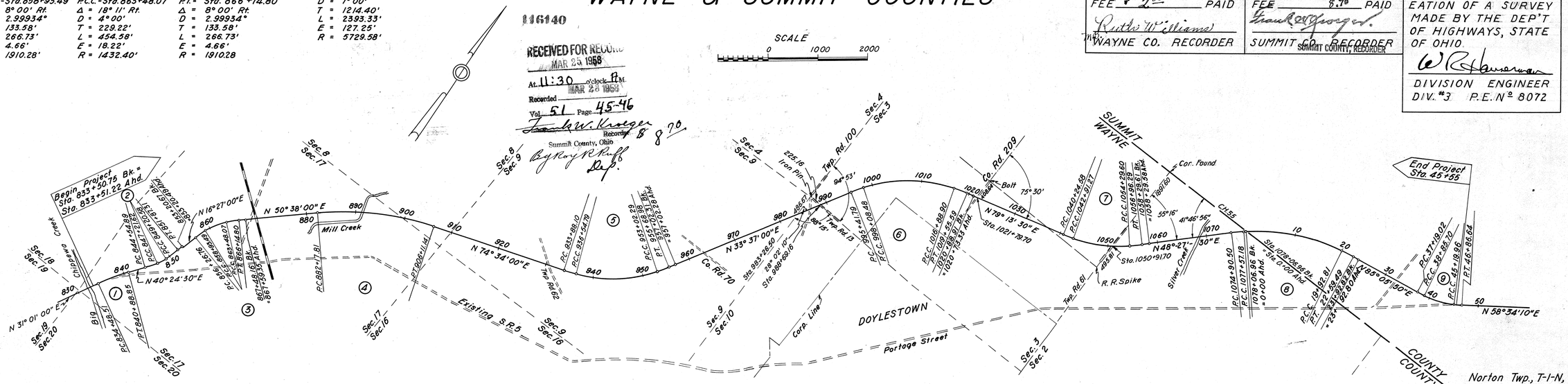
④
P.I.= Sta. 894+32.21
Δ = 23° 56' 00" Rt.
D = 1° 00'
T = 1214.40'
L = 2393.33'
E = 127.25'
R = 5729.58'

OK Paul TNN 3-25-58

116140

RECEIVED FOR RECORD
MAR 25 1958
At 11:30 o'clock P.M.
Recorded MAR 28 1958
Vol. 51 Page 45-46
Fee $ 8.70
W. Krueger
Recorder
Summit County, Ohio
By Roy R. Ruff Dep.

SCALE 0 1000 2000



CURVE DATA

⑤
P.C.= 933+88.10
P.I.= Sta. 935+21.50
P.C.C.=Sta. 936+54.79
Δ = 4° 00' Lt.
D = 1.49986°
T = 133.40'
L = 266.69'
E = 2.33'
R = 3820.07'

P.C.C.=Sta. 936+54.79
P.I.= Sta. 945+02.02
P.C.C.=Sta. 953+02.29
Δ = 32° 57' Lt.
D = 2° 00'
T = 847.23'
L = 1647.50'
E = 122.65'
R = 2864.79'

P.C.C.= Sta. 953+02.29
P.I.= Sta. 954+35.69
P.T.= Sta. 955+68.98
Δ = 4° 00' Lt.
D = 1.49986°
T = 133.40'
L = 266.69'
E = 2.33'
R = 3820.07'

⑥
P.C.= Sta. 985+41.79
P.I.= Sta. 996+75.19
P.C.C.=Sta. 998+08.48
Δ = 4° 00' Rt.
D = 1.49986°
T = 133.40'
L = 266.69'
E = 2.33'
R = 3820.07'

P.C.C.= Sta. 998+08.48
P.I.= Sta. 1007+83.97
P.C.C.=Sta. 1016+88.90
Δ = 37° 36' 30" Rt.
D = 2° 00'
T = 975.49'
L = 1880.42'
E = 161.53'
R = 2864.79'

P.C.C.= Sta. 1016+88.90
P.I.= Sta. 1018+22.30
P.T.= Sta. 1019+55.59
Δ = 4° 00' Rt.
D = 1.49986°
T = 133.40'
L = 266.69'
E = 2.33'
R = 3820.07'

⑦
P.C.= Sta. 1040+24.58
P.I.= Sta. 1041+57.98
P.C.C.=Sta. 1042+91.27
Δ = 4° 00' Lt.
D = 1.49986°
T = 133.40'
L = 266.69'
E = 2.33'
R = 3820.07'

P.C.C.= Sta. 1042+91.27
P.I.= Sta. 1048+68.05
P.C.C.=Sta. 1054+29.60
Δ = 22° 46' Lt.
D = 2° 00'
T = 576.78'
L = 1138.33'
E = 57.49'
R = 2864.79'

P.C.C.= Sta. 1054+29.60
P.I.= Sta. 1055+63.00
P.T.= Sta. 1056+96.29
Δ = 4° 00' Lt.
D = 1.49986°
T = 133.40'
L = 266.69'
E = 2.33'
R = 3820.07'

⑧
P.C.= Sta. 1074+90.50
P.I.= Sta. 1076+23.87
P.C.C.= Sta. 1077+57.18
Δ = 3° 00' Rt.
D = 1.124947°
T = 133.37'
L = 266.68'
E = 1.75'
R = 5,093.20'

P.C.C.= Sta. 1077+57.18
P.I.= Sta. 1088+03.53
P.C.C.= Sta. 19+92.81
Δ = 30° 38' 20" Rt.
D = 1° 30'
T = 1046.35'
L = 2042.59'
E = 140.72'
R = 3819.72'

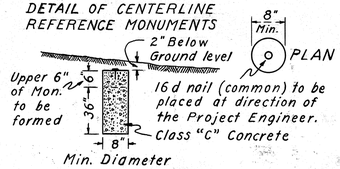
P.C.C.= Sta. 19+92.81
P.I.= Sta. 21+26.18
P.T.= Sta. 22+59.49
Δ = 3° 00' Rt.
D = 1.124947°
T = 133.37'
L = 266.68'
E = 1.75'
R = 5093.20'

⑨
P.C.= Sta. 37+19.02
P.I.= Sta. 38+02.39
P.C.C.= Sta. 38+85.70
Δ = 3° 45' 00" Lt.
D = 2.24981°
T = 83.37'
L = 166.68'
E = 1.36'
R = 2546.69'

P.C.C.= Sta. 38+85.70
P.I.= Sta. 42+05.78
P.C.C.= Sta. 45+19.96
Δ = 18° 01' 40" Lt.
D = 3° 00'
T = 320.08'
L = 634.26'
E = 26.64'
R = 1909.86'

P.C.C.= Sta. 45+19.96
P.I.= Sta. 46+03.33
P.T.= Sta. 46+86.64
Δ = 3° 45' 00" Lt.
D = 2.24981°
T = 83.37'
L = 166.68'
E = 1.36'
R = 2546.69'

DETAIL OF CENTERLINE REFERENCE MONUMENTS



FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

WAYNE & SUMMIT COUNTIES
WAY.- 5-15.78
SUM.- 5-0.00

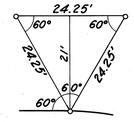
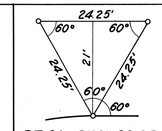
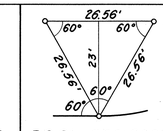
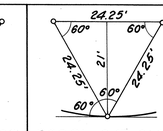
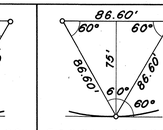
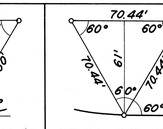
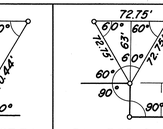
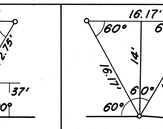
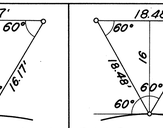
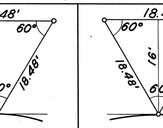
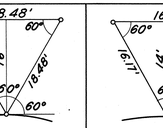
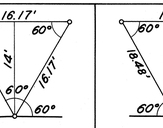
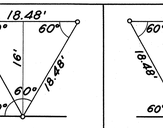
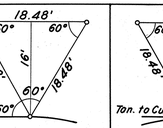
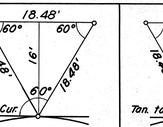
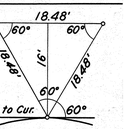
TRANSFER NOT NECESSARY
MAR 25 1958
R. L. Reiser, County Auditor

RECEIVED April 10 1958
RECORDED April 10 1958
PLAT BOOK 3 PAGE 327
FEE $ 2.00 PAID
Ruth W. Williams
WAYNE CO. RECORDER

RECEIVED 3-28 1958
RECORDED 3-28 1958
PLAT BOOK 51 PAGE 45-46
FEE $.70 PAID
Frank W. Krueger
SUMMIT CO. RECORDER
SUMMIT COUNTY, RECORDER

I HEREBY CERTIFY THAT THE ACCOMPANYING PLAT IS A TRUE DELINEATION OF A SURVEY MADE BY THE DEP'T OF HIGHWAYS, STATE OF OHIO.
W. R. Haverman
DIVISION ENGINEER
DIV. #3 P.E. Nº 8072

Center Line Reference Monuments will be Set After Construction.

															
24.25' 60° 60° 24.25' 21' 24.25' 60° 60°	24.25' 60° 60° 24.25' 21' 24.25' 60° 60°	26.56' 60° 60° 26.56' 23' 26.56' 60° 60°	24.25' 60° 60° 24.25' 21' 24.25' 60° 60°	86.60' 60° 60° 86.60' 75' 86.60' 60° 60°	70.44' 60° 60° 70.44' 61' 70.44' 60° 60°	72.75' 60° 60° 72.75' 63' 72.75' 60° 60° 90° 37' 90°	16.17' 60° 60° 16.17' 14' 16.17' 60° 60°	18.48' 60° 60° 18.48' 16' 18.48' 60° 60°	18.48' 60° 60° 18.48' 16' 18.48' 60° 60°	16.17' 60° 60° 16.17' 14' 16.17' 60° 60°	18.48' 60° 60° 18.48' 16' 18.48' 60° 60°	18.48' 60° 60° 18.48' 16' 18.48' 60° 60°	18.48' 60° 60° 18.48' 16' Ton. to Cur. 18.48' 60° 60°	18.48' 60° 60° 18.48' 16' Ton. to Cur. 18.48' 60° 60°
P.C. Sta. 834+48.51	P.T. Sta. 840+88.85	P.C. Sta. 844+54.89	P.C.C. Sta. 847+21.62	P.C.C. Sta. 849+20.58	P.T. Sta. 851+87.31	Sta. 853+20.67 Bk.	P.C. Sta. 856+26.76	P.C.C. Sta. 858+93.49	P.C.C. Sta. 863+48.07	P.T. Sta. 866+14.80	Sta. 874+00.00	P.C. Sta. 882+17.81	P.O.C. Sta. 890+00.00	P.O.C. Sta. 898+00.00	
128.17' 60° 60° 11.81' 11'11" 128.17' 60° 60°	18.48' 60° 60° 18.48' 16' 18.48' 60° 60°	133.95' 60° 60° 133.95' 116' 133.95' 60° 60°	133.95' 60° 60° 133.95' 116' 133.85' 60° 60°	122.40' 60° 60° 122.40' 106' 122.40' 60° 60° 122.40'	139.72' 60° 60° 139.72' 121' 139.72' 60° 60° 139.72'	18.48' 60° 60° 18.48' 16' 18.48' 60° 60°	18.48' 60° 60° 18.48' 16' 18.48' 60° 60°	162.81' 60° 60° 162.81' 141' 162.81' 60° 60° 162.81'	136.25' 60° 60° 136.25' 118' 136.25' 60° 60° 136.25'	18.48' 60° 60° 128.17' 111' 128.17' 60° 60° 128.17'	18.48' 60° 60° 18.48' 16' 18.48' 60° 60°	Mon. Set.	Mon. Set.	Mon. Set.	
P.T. Sta. 906+11.14	Sta. 920+00.00	P.C. Sta. 933+88.10	P.C.C. Sta. 936+54.79	P.C.C. Sta. 953+02.29	P.T. Sta. 955+68.98	Sta. 961+00.00	Sta. 965+00.00	Sta. 980+00.00	P.C. Sta. 995+41.79	P.C.C. Sta. 998+08.48	P.C.C. Sta. 1016+88.90	P.T. Sta. 1019+55.59	Sta. 1031+00.00	P.C. Sta. 1040+24.58	
Mon. Set.	Mon. Set.	Mon. Set.	Mon. Set.	Mon. Set.	Mon. Set.	Mon. Set.	Mon. Set.	Mon. Set.	Mon. Set.	Mon. Set.	Mon. Set.	Mon. Set.	Mon. Set.	Mon. Set.	
P.C.C. Sta. 1042+91.27	P.C.C. Sta. 1054+29.60	P.T. Sta. 1056+9629	Sta. 1066+00.00	P.C. Sta. 1074+90.50	P.C.C. 1077+57.18	P.O.C. Sta. 10+00.00	P.C.C. Sta. 19+92.81	P.T. Sta. 22+59.49	Sta. 30+00.00	Sta. 35+00.00	P.T. Sta. 37+19.02	P.C.C. Sta. 38+85.70	P.C.C. Sta. 45+19.96	P.T. Sta. 46+86.64	

WAY - 5 - 15.78
SUM - 5 - 0.00

CENTERLINE REFERENCE MON. 1/1

S.R. 5 CONNECTION DETAIL

SCALE 1" = 50'

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

1 / 7

WAY 5 - 15.78
SUM 5 - 0.00

P.O.T. 15+97.51 ℄ U.S. 21

℄ SURVEY

S.T. Sta. 46+94.18
Rt. Edge N.B. Relocation S.R. 5

C.S. Sta. 45+44.18
Rt. Edge N.B. Relocation S.R. 5

U.S. 21

15 ℄ 14

END TAPER 17+95.87

SOUTHBOUND

4' C.M.P. Taper 17

S.R. 5 RELOCATION 46

S.R. 5 Conn. 15+97.76

NOTE: I-14 is to be adjusted to fit the proposed ditch. No additional quantities will be neccessary.

P.I. Sta. 11+80.50
CURVE DATA
Δ - 25° 01' 52"
R - 545.68
Dc - 10° 30'
T - 121.13
L - 238.39'
E - 13.28'

I-14

4'-3' D. Corr. Metal Squash Pipe

P.T. - 12+97.76

77° 29' 04"

P.C. - 10+59.37

Future Const. 9

LOOP "F"

12"CMP 6" Clay Fld. Tile

15" Clay Tile Pipe

18"CMP T.S. 9+87.40

R=40'

S.R. 5 Conn.

Tin Storage Shed

Concrete Storage Shed

Frame Shed

Ex. #2-3 C.B.

Future Const.

P.T. 7+98.36
END TAPER

Temporary Asphaltic Concrete Base Pavement

S.C. 11+87.40

BEGIN TAPER - 6+00.00

S.R. 5 CONN.*
*As per WAY 5 - 15.78
SUM 5 - 0.00

C.S. 13+10.07

P.I. Sta. 5+61.92
CURVE DATA
Δ - 7°06' 06"
R - 3819.72
D - 1° 30'
T - 237.01'
L - 473.45'
E - 7.34'

RAMP "F"

Future Const.

S.T. 5+48.92

Exist. Dr.
Work Limits

For Drive Detail
See Sht.# 3

15" Conc. Tile Pipe

12" Clay Tile Pipe

Taper

5-6"x16" W. Cherries

18" W. Cherries

10" Clay Tile Outlet

2-6" Elm
2-6" W. Cherry

1-12" W. Cherry
1-6" Maple
12" Clay Pipe

Gas

5 - 5" Evergreen

2" Conc. S.W.

12" Clay Tile Pipe

Sta. 32+50.0 Ex. S.R. 5
= Sta. 1+50 S.R. 5 Conn.

℄ Exist. S.R. 5

See Detail "A"

Sta. 32+50 Ex. S.R. 5 =
Sta. 1+50 S.R. 5 Conn.

Sta. 34+24.91 Exist. S.R. 5
= P.C. - 3+24.91

2-9" Maple
16" Maple

6" Ash

BEGIN WORK & SHT.# 2+00

2+00 Begin Work

DETAIL "A"

Exist. S.R. 5

‡ For Island Terminal See Sht.# 3

ESTIMATED QUANTITIES

Item	Description	Unit	From	To	Side	Total	Total*	Net Change
	ROADWAY							
	Embankment	C.Y.	2+00	17+95.87		969	139	+ 830
E-1	Excavation	C.Y.	2+00	17+95.87		14272	6338	+7934
E-8	Pavement Removal	S.Y.	2+00	End Ex. S.R. 5		2320	1980	+ 340
I-15	Guard Rail	L.F.	15+25	16+50	Rt.	125	0	+ 125
L-9	Seeding	S.Y.	2+00	17+95.87		10819	6854	+3965
L-10	Sodding 9' Wide	S.Y.	2+00	14+17	Rt.	1121	1437	− 316
	PAVEMENT							
B-119	5" Cr. Agg. Base	C.Y.	Dr. & App. Table		Rt	22.5	33	− 10.5
B-119	7" Cr. Agg. Base	C.Y.	Dr. & App. Table		Rt.	64.0	0	+ 64.0
I-12	Curb Type 2A	L.F.	11+68.3	40+71.2 ★	Lt	98	98	0
I-21	4" Conc. Med.; Pav't.	S.Y.	11+88.0	12+15.8	Lt.	15	17	− 2
I-22	Subbase	C.Y.	2+00	17+95.87		534	438	+ 96
T-35	2" Asphalt Concrete Surface	C.Y.	Dr. & App. Table		Rt.	27.3	2"&1½" 332	− 5.9
T-71	9" Reinforced Concrete Pavement	S.Y.	2+00	17+95.87		2692	1979	+ 713
	DRAINAGE							
I-1	15" Pipe for Driveways	L.F.	Dr. & App. Table		Rt.	60	0	+ 60
I-1	18" Pipe for Driveways	L.F.	Dr. & App. Table		Rt.	36	36	0
I-4	6" Underdrain	L.F.	3+00	15+00	L.&R.	1188	1194	− 6
I-4	8" Outlet	L.F.	14+70	15+00	Rt.	10	10	0
I-5	6" Pipe Special	Ea.				3	3	0

✳ As called for in original plan.
★ Sta. on N.B. Lane (Rt. Edge) S. R. 5.

DRIVES AND APPROACHES

STATION	SIDE	WIDTH	T-35 2"Asph.Con Surf. Course C.Y.	B-119 5"Cr. Aggr. Base Course C.Y.	B-119 7"Cr. Aggr. Base Course C.Y.	I-1 15" L.F.	I-1 18" L.F.
3+21	Rt.	12	4	11		30	
3+85.5	Rt.	12	5	12		30	
6+25	Rt.	16	18		64		36
TOTAL*			27	23	64	60	36

*Total carried to Estimated Quantities.

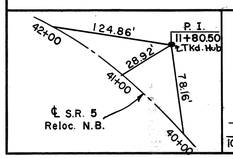
I-4 UNDERDRAINS

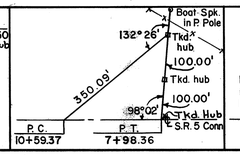
STATION FROM	STATION TO	SIDE	6" I-4 L.F	8" Outlet L.F.	I-5 for I-4 6"x45° Bend Ea.
3+00	9+00	Lt.	598		1
9+00	9+20	L.&R.	24		1
9+20	14+70	Rt.	546		1
14+70	15+00	Rt.	20 / 20	10	
TOTAL*			1188	10	3

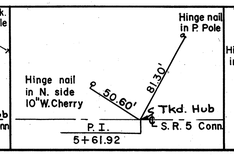
*Total carried to Estimated Quantities.

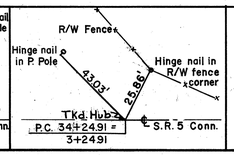
1188

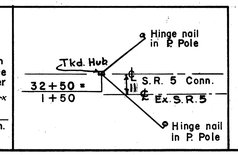
Typical Section for S.R. 5 Conn. will be the same as shown on original plan.











PLAN S.R. 5 CONN.

S. R. 5 CONNECTION — PROFILE

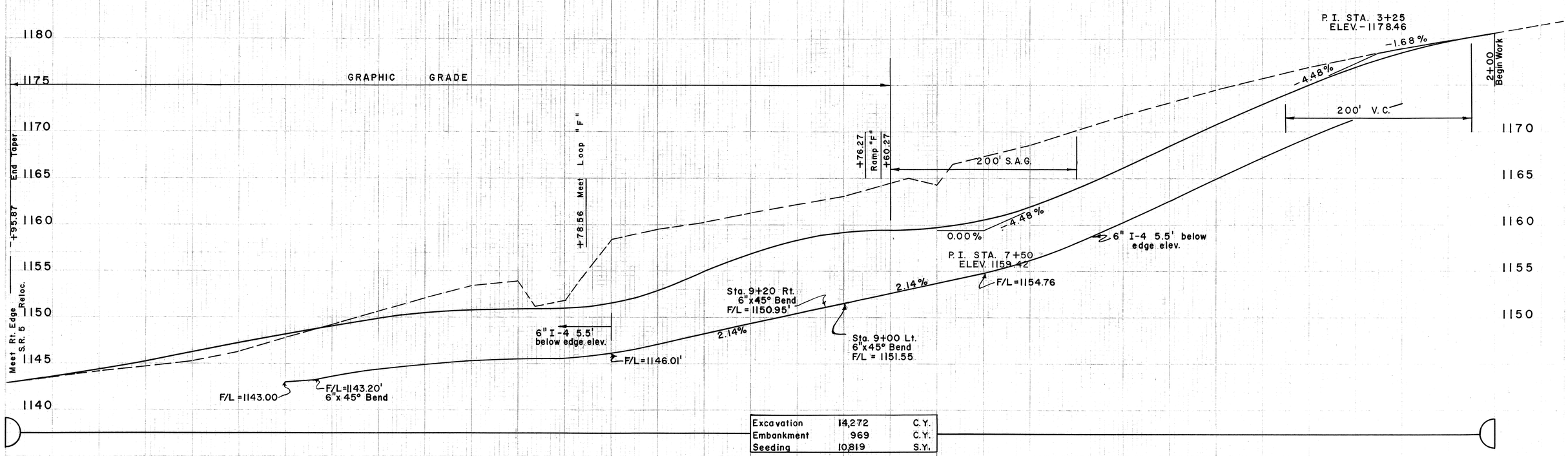
FED. ROAD DIVISION	STATE	PROJECT
2	OHIO	

2
7

WAY 5 - 15.78
SUM 5 - 0.00

RT. EDGE ELEV'S	LT. EDGE ELEV'S	℄ PAV'T ELEV'S
1185		
	1143.42	
	1143.80	
	1144.20	
	1144.72	
	1145.21	
	1145.77	
	1146.27	
	1146.76	
	1147.27	
	1147.76	
	1148.24	
	1148.70	
	1149.13	
	1149.50	
	1149.93	
	1150.21	
	1150.44	
	1150.60	
	1150.71	
	1150.80	
	1150.85	
	1150.89	1151.66
	1150.92	1151.96
	1151.12	1152.30
	1151.51	1152.80
	1152.10	1153.40
	1152.90	1154.10
	1153.85	1154.85
	1154.94	1155.60
	1155.95	1156.35
	1156.89	1157.08
	1157.70	1157.70
	1158.37	1158.37
	1158.90	1158.90
	1159.26	1159.26
	1159.42	1159.42
	1159.42	1159.42
	1159.49	1159.42
	1159.70	1159.47
	1160.05	1159.79
	1160.54	1160.26
	1161.17	1160.89
	1161.94	1161.66
	1162.85	1162.55
	1163.90	1163.60
	1166.14	1165.82
	1168.38	1168.06
	1170.62	1170.30
	1172.86	1172.54
	1173.98	1173.66
	1175.06	1174.74
	1176.04	1175.80
	1176.95	1176.80
	1177.76	1177.70
	1178.49	1178.49
	1179.12	1179.12
	1179.68	1179.68
	1180.14	1180.14
	1180.59	1180.59

RT. EDGE ELEV'S	LT. EDGE ELEV'S	℄ PAV'T ELEV'S
	1165.98	
	1168.22	
	1170.46	
	1172.70	
	1173.82	
	1174.90	
	1175.90	
	1176.87	
	1177.80	
	1178.60	
	1179.28	
	1179.84	
	1180.30	
	1180.75	



Excavation	14,272	C.Y.
Embankment	969	C.Y.
Seeding	10,819	S.Y.

+95.87	1142.89	1144.1	1145.2	1146.3	1147.8	1149.22	1150.60	1152.06	1153.4	1153.9	1151.8	1158.4	1159.5	1160.2	1161.3	1163.1	1164.5	1164.3	1168.53	1171.67	1174.52	1176.94	1178.89	1180.59	1181.45
		17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2								

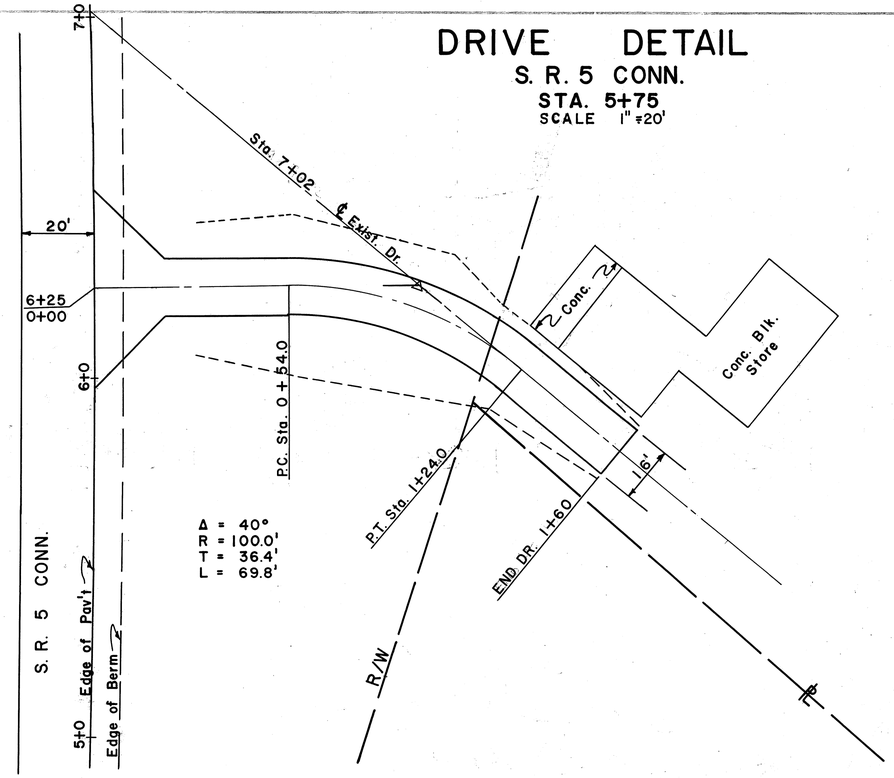
PROFILE S.R. 5 CONN.

DRIVE DETAIL

S. R. 5 CONN.

STA. 5+75

SCALE 1" = 20'



INTERSECTION DETAIL

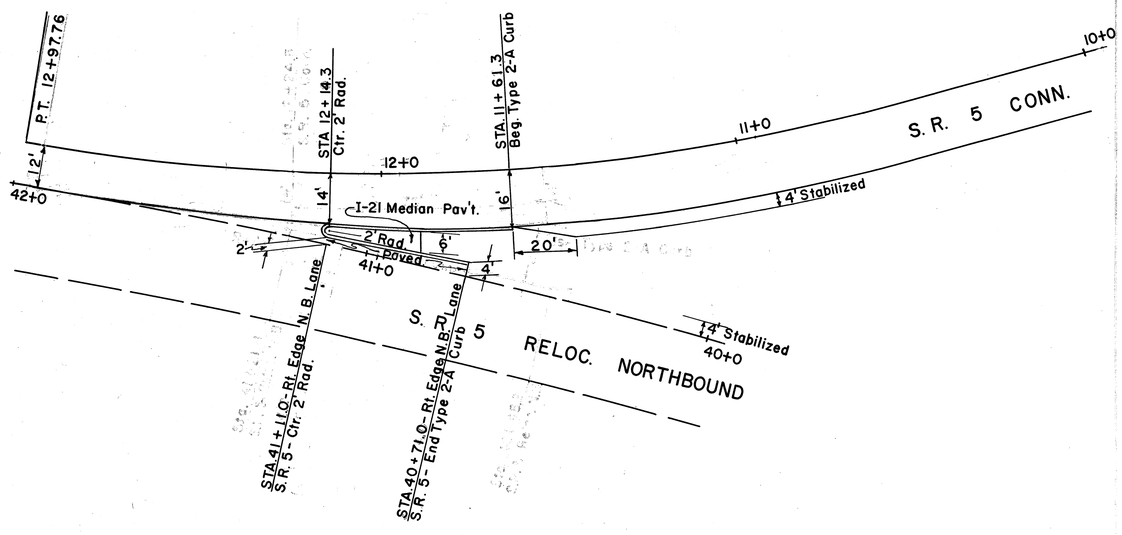
S. R. 5 CONN. & S. R. 5 RELOC. N.B

SCALE 1" = 20'

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

3
7

WAY 5 — 15.78
SUM 5 — 0.00

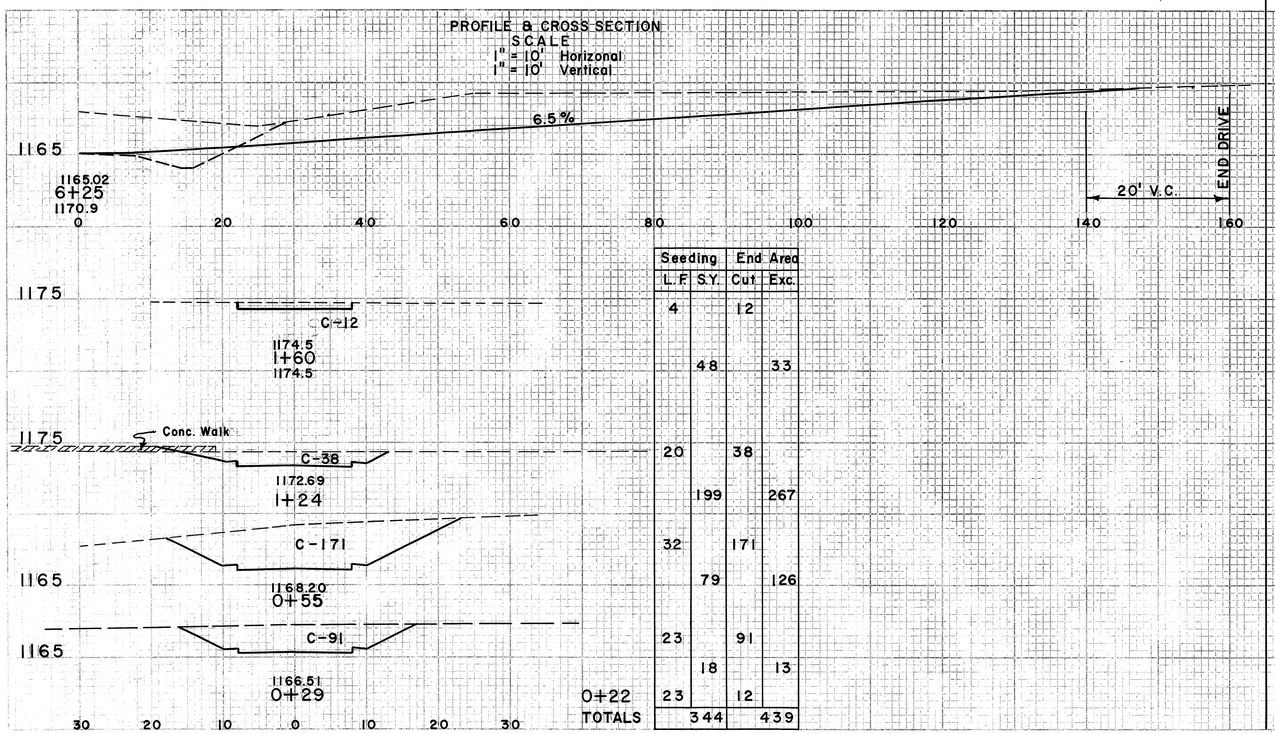


PROFILE & CROSS SECTION

SCALE

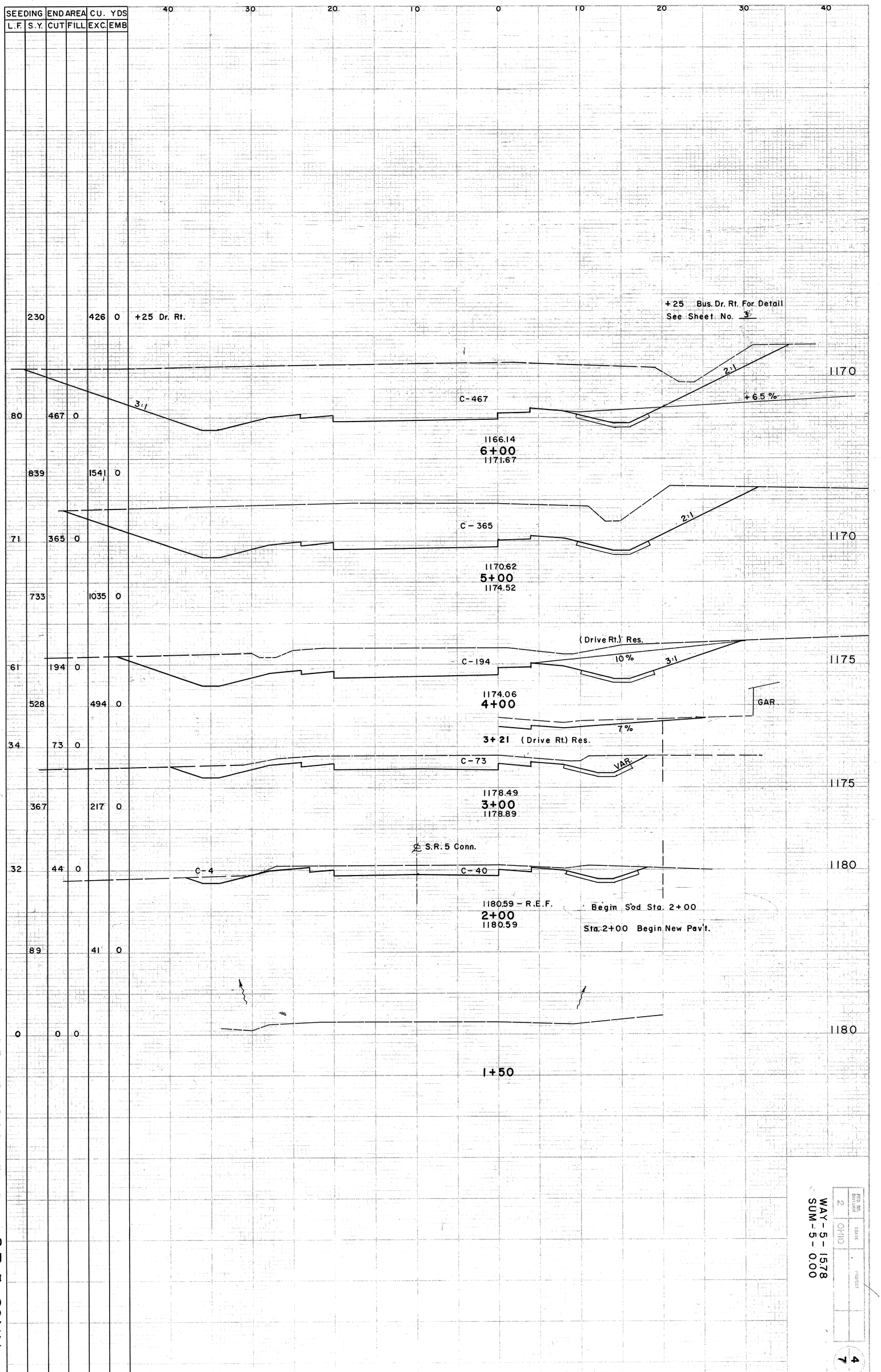
1" = 10' Horizonal

1" = 10' Vertical



	Seeding		End Area	
	L. F	S.Y.	Cut	Exc.
	4		12	
		48		33
	20		38	
		199		267
	32		171	
		79		126
	23		91	
		18		13
	23		12	
TOTALS		344		439

DRIVE & INTERSECTION DETAILS



CROSS SECTIONS STA. 1+50 TO STA. 6+00

S.R. 5 CONN.

WAY-5-1578
SUM-5-0.00

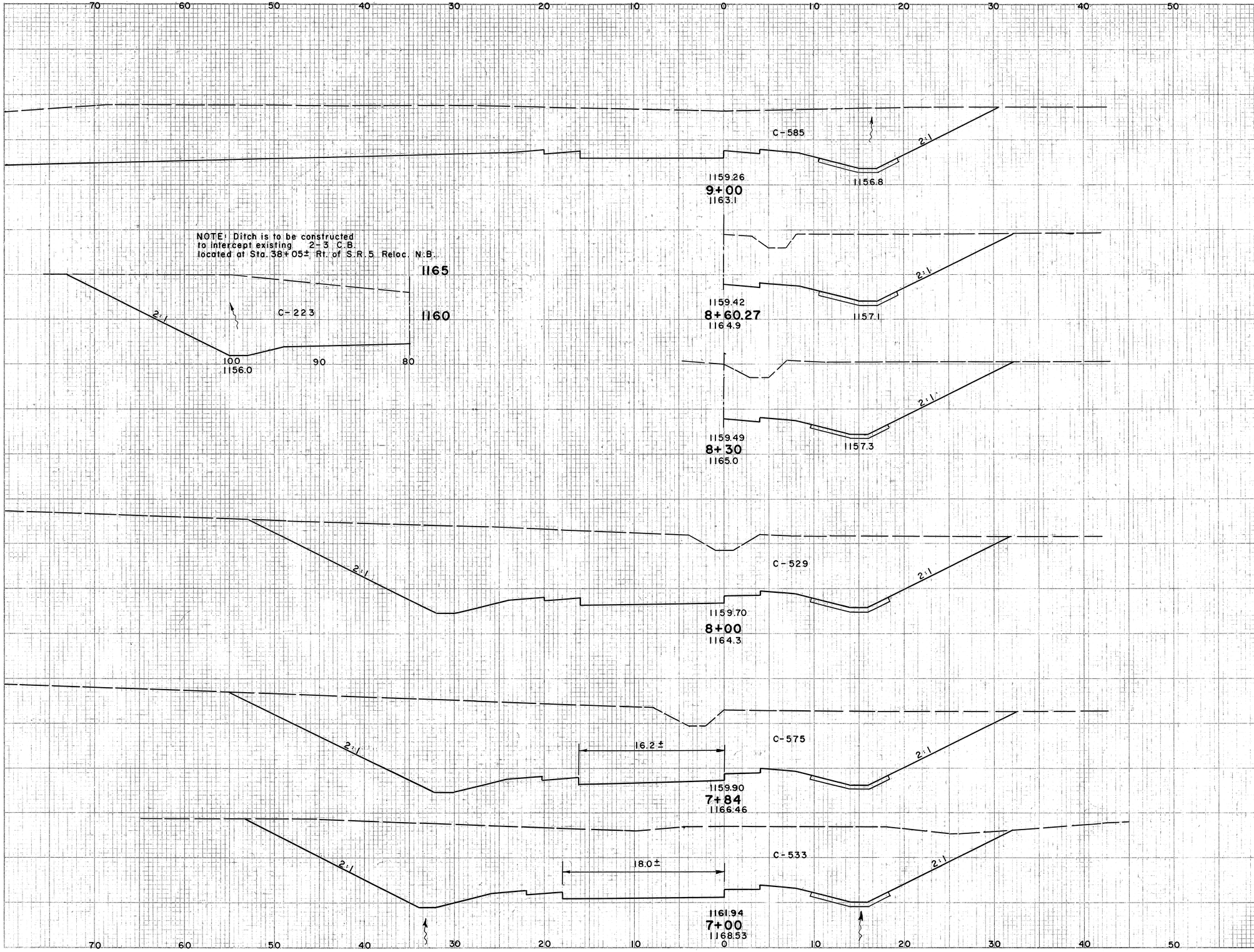
PID NO.	STATE	PROJECT
2	OHIO	

4
7

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

5
7

WAY - 5 - 15.78
SUM - 5 - 0.00



Seeding		End Area		Cu. Yds.	
L.F.	S.Y.	Cut	Fill	Exc.	Emb.
140		808	0		
	1206			2476	0
77		529	0		
	140			327	0
80		575	0		
	728			1724	0
76		533	0		
	867			1852	0
80		467	0		

CROSS SECTIONS STA. 7+00 TO STA. 9+00 S.R. 5 CONN.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

6
7

WAY- 5 - 15.78
SUM- 5- 0.00

Seeding		End Area		Cu. Yds.	
L.F.	S.Y.	Cut	Fill	Exc.	Emb.
39		68	46		
	244			152	57
49		96	15		
	333			330	80
71		260	71		
	489			522	124
105		303	63		
	656			612	142
131		358	90		
	1506			2159	167
140		808	0		

* Note: The Short Dashed Lines represent The Approximate Location and Elevation of S.R. 5 Conn. As Proposed on Plans Designated { WAY- 5 - 15.78 / SUM- 5- 0.00

RT. EDGE S.R. 5 RELOC. STA. 40+97±
N. B. LANE
F-3
Curb
C-3
C-65
3:1
F-43
1150.92
12+00
1151.8
1150

RT. EDGE S.R. 5 RELOC. STA. 40+40±
N. B. LANE
C-2
F-3
1152.4
C-23
F-12
C-71
2:1
1151.51
11+50
1158.4
1150

RT. EDGE - S.R. 5 RELOC. STA. 39+85±
N. B. LANE
C-2
F-15
1152.2
F-1
F-55
C-258
2:1
1152.90
11+00
1159.94
1155

RT. EDGE S.R. RELOC. STA. 39+15±
N. B. LANE
C-27
C-1
C-1
VAR.
F-63
C-274
2:1
1154.94
10+50
1160.2
1160
1155

MATCH LINE A-A
1152.0
Exist. Ground As Surveyed
Exist. Ground As Surveyed
C-105
VAR.
F-90
Proposed Elevation
C-242
4:1
2:1
1156.89
10+00
1161.3
1154.6
1160

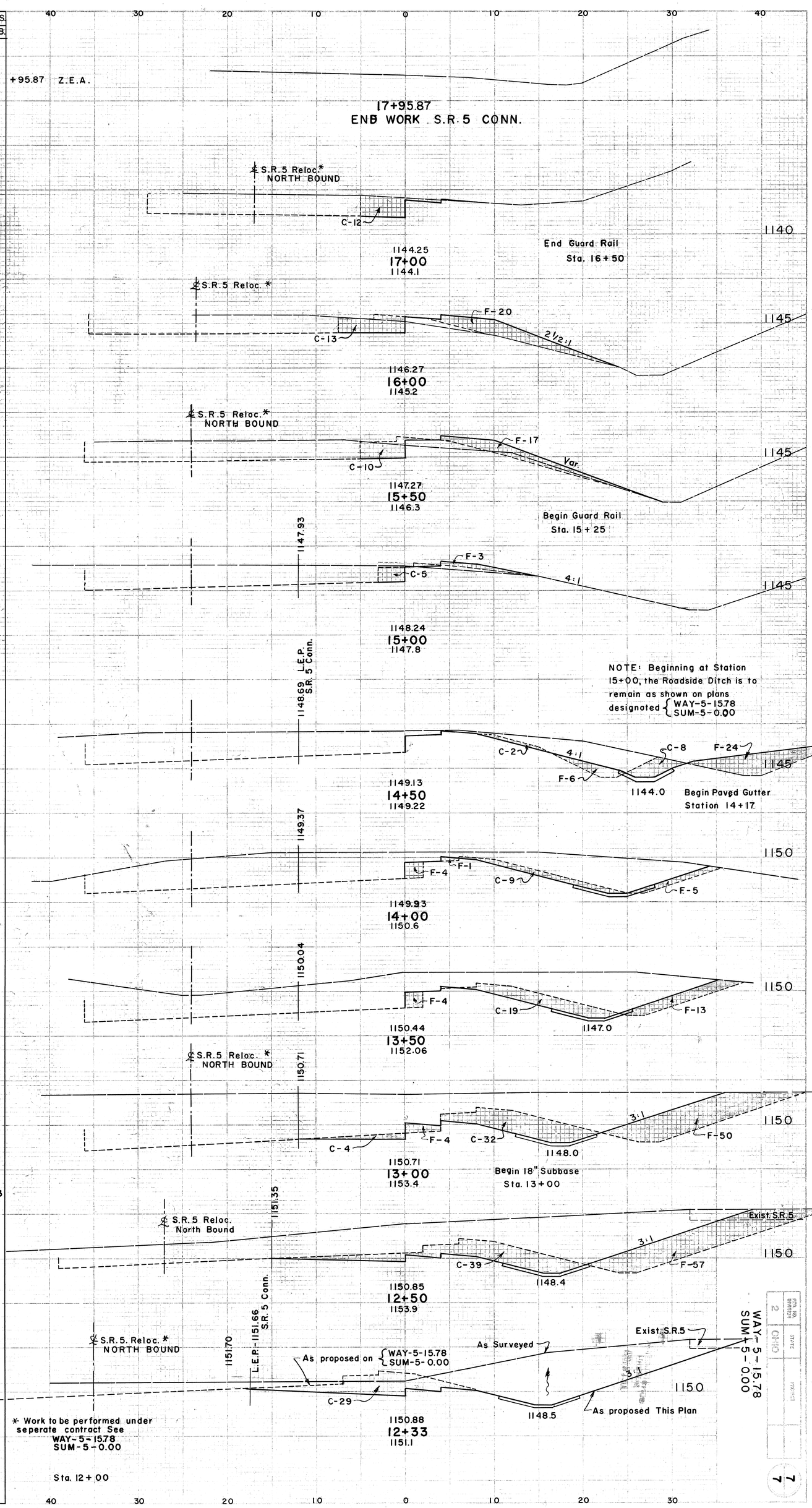
RT. EDGE S.R. 5 N.B. LANE STA. 38 + 155±
* See Note
C-11
MATCH LINE A-A
1150

Sta. 9+00

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50

STA. 10+00 TO STA. 12+00 S.R. 5 CONN.

SEEDING L.F.	SEEDING S.Y.	END AREA CUT	END AREA FILL	CU. YDS. EXC.	CU. YDS. EMB.
0		0	0		
	75			21	0
14		12	0		
	250			46	37
31		13	20		
	186			22	35
36		10	17		
	158			15	19
21		6	3		
	197			15	31
50		10	30		
	228			18	37
32		9	10		
	181			26	25
33		19	17		
	186			51	66
34		36	54		
	195			70	103
36		39	57		
	69			21	18
37		29	0		
	139			59	28
39		68	46		



CROSS SECTIONS STA. 12+33 TO STA. 17+95.87

S.R. 5 CONN.

WAY-5-15.78
SUM-5-0.00

2 OHIO

7

LEGEND FOR PROJECT-AVERAGE RESULTS OF TESTS- 231 SAMPLES TESTED

DESCRIPTION	H R B CLASS	OHIO CLASS	% AGG.	% C. SAND	% F. SAND	% SILT	% CLAY	LIQUID LIMIT	PLASTICITY INDEX	WATER CONTENT	SAMPLES TESTED
Gravel	A-1-a (0)	A-1-a	70	9	10	9	2	NP	NP	18	1
Gravel or stone fragments with sand	A-1-b (0)	A-1-b	46	16	26	8	4	NP	NP	17	4
Coarse and fine sand	—	A-3a	12	9	52	18	9	NP	NP	18	17
Gravel or stone fragments with sand and silt	A-2-4 (0)	A-2-4	34	9	28	21	8	NP	NP	15	10
Sandy silt	A-4 (6)	A-4a	12	7	26	34	21	23	6	16	110
Silt	A-4 (8)	A-4b	2	3	12	56	27	27	6	17	28
Elastic silt and clay	A-5 (8)	A-5	0	1	5	61	33	41	6	45	1
Silt and clay	A-6 (9)	A-6a	6	3	11	45	35	32	12	20	43
Silty clay	A-6 (10)	A-6b	2	3	9	48	38	38	17	24	10
Clay	A-7-6 (12)	A-7-6	2	2	8	43	45	43	19	29	7
Sandstone	Visual classification										

Auger boring — plan view.

Auger boring plotted to vertical scale only.

Water content nearly equal to or greater than liquid limit.

This A-4a soil will be rubbery and unstable at water contents which exceed the optimum.

NOTE: Figures beside borings indicate water content in percent.

Sod & Topsoil = X' = Approximate depth.

Berm material

W Free water

Samples Taken
Lab. Nos. So.
58322-58330 Incl; 58424-58531 Incl;
58625-58739 Incl.

Moisture Density Samples
Lab Nos. So.
58322-58330 Incl; 58625-58634 Incl.

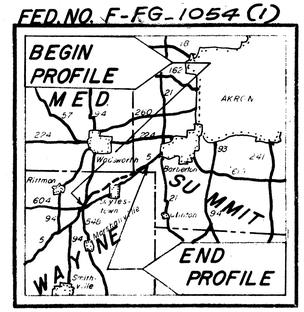
SOIL PROFILE
WAYNE-SUMMIT COS.
WAY-5-15.78
SUM-5-0.00

STATE HIGHWAY TESTING AND RESEARCH LABORATORY
O S U CAMPUS, COLUMBUS, OHIO

1/10

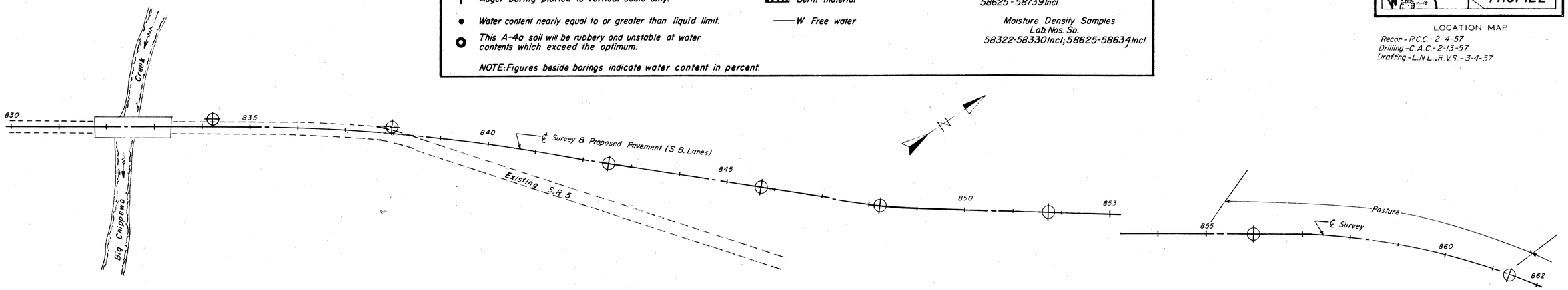
NOTE: THE INFORMATION SHOWN BY THIS SUBGRADE PROFILE WAS SECURED FOR THE USE OF THE STATE OF OHIO AND IS NOT TO BE CONSTRUED AS A PART OF THE PLANS GOVERNING THE CONSTRUCTION OF THE PROJECT.

FED. NO. F-FG-1054 (1)



LOCATION MAP

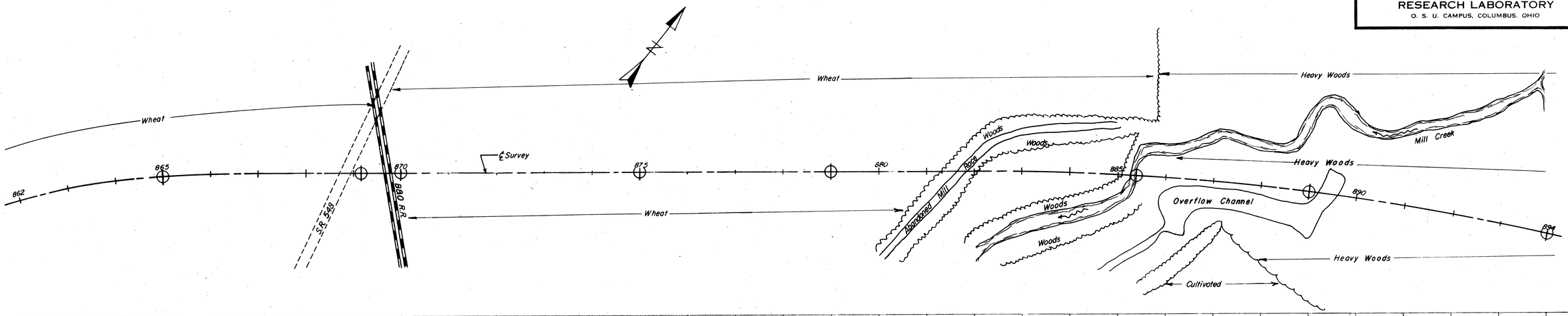
Recon - R.C.C. - 2-4-57
Drilling - C.A.C. - 2-13-57
Drafting - L.N.L., R.V.S. - 3-4-57

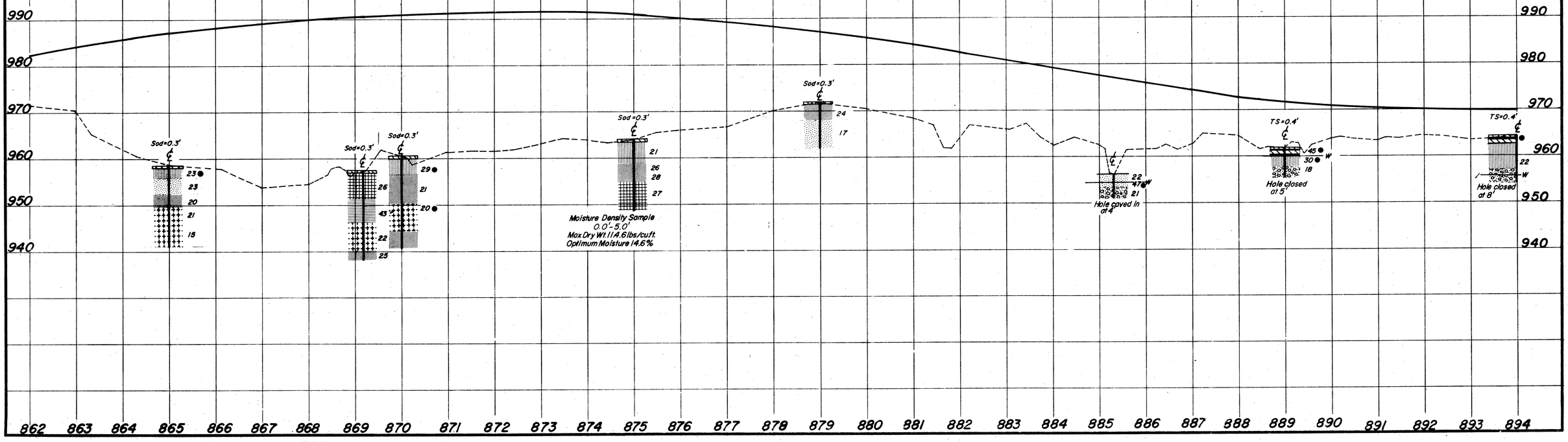


TE-14 B
125 6-56

SOIL PROFILE
WAYNE-SUMMIT COS.
WAY-5-15.78
SUM-5-0.00
STATE HIGHWAY TESTING AND RESEARCH LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

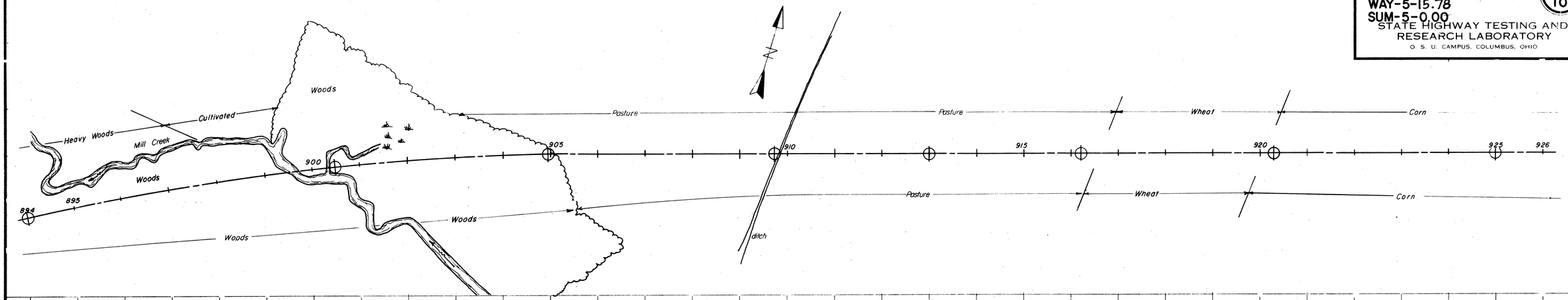
2/10

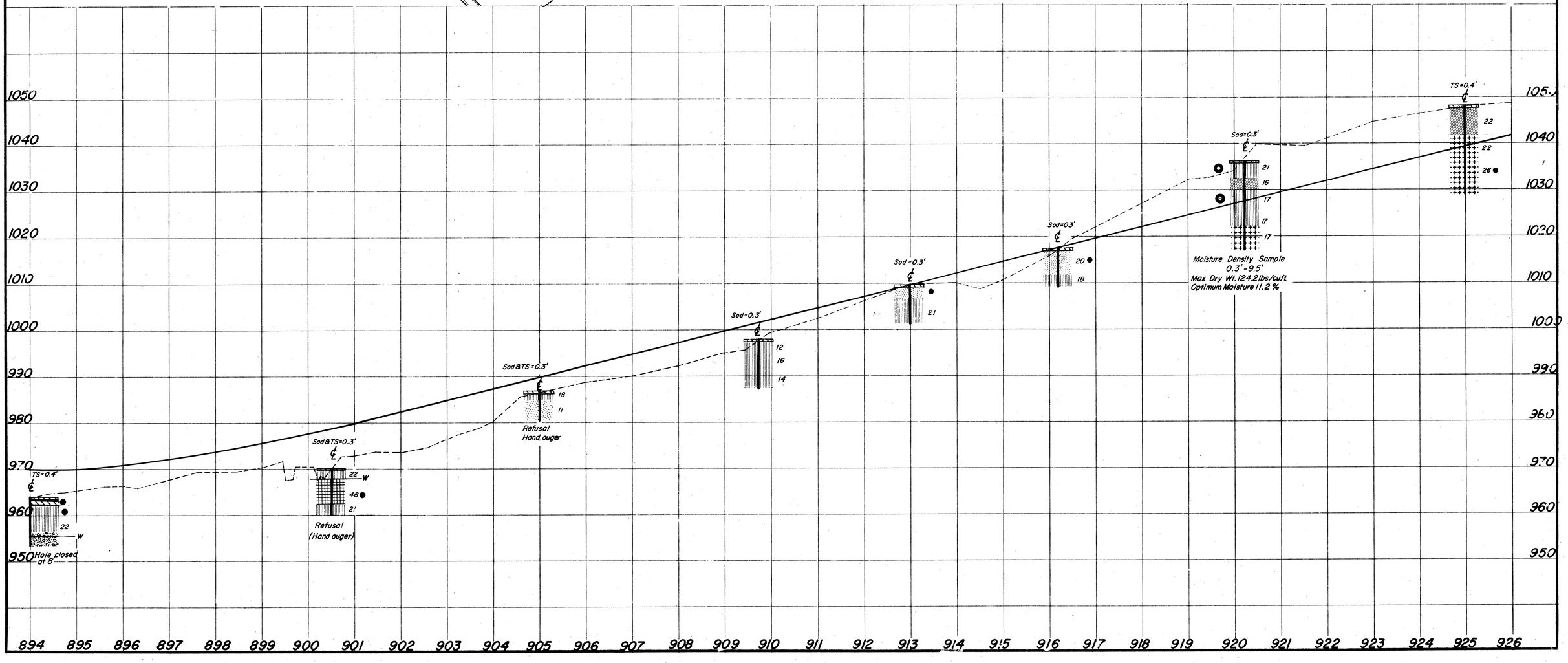




SOIL PROFILE
WAYNE-SUMMIT COS.
WAY-5-15.78
SUM-5-0.00
STATE HIGHWAY TESTING AND RESEARCH LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

3/10



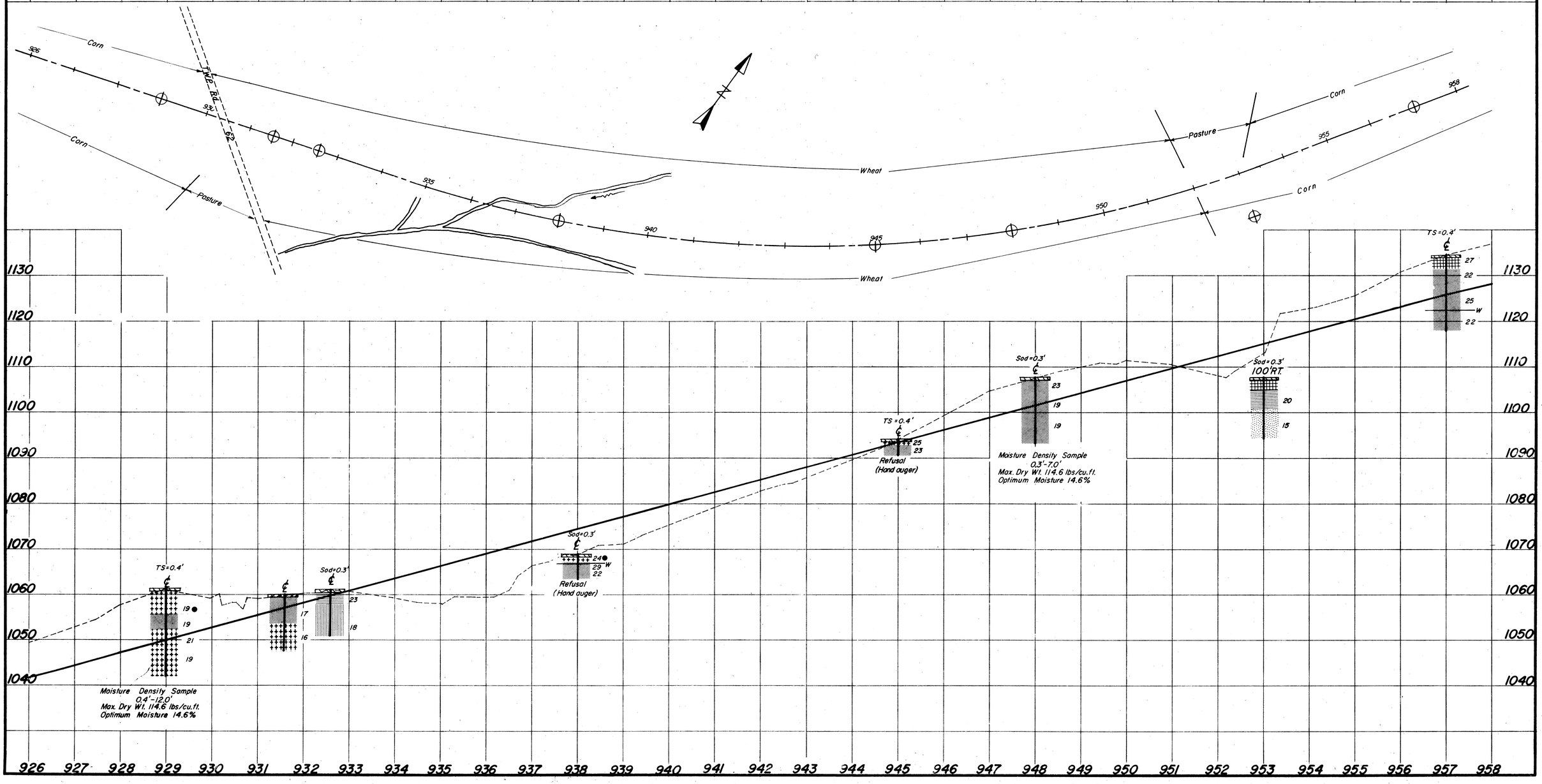


TE-54 B
125-6-56

SOIL PROFILE
WAYNE-SUMMIT COS.
WAY-5-15.78
SUM-5-0.00

STATE HIGHWAY TESTING AND RESEARCH LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

4/10

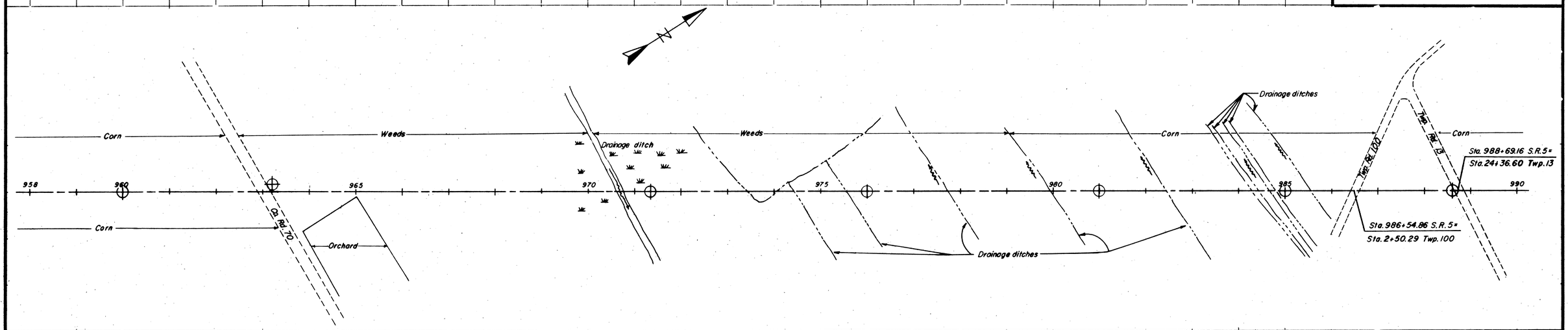


TE-54 B
125-6-56

SOIL PROFILE
WAYNE-SUMMIT COS.
WAY-5-15.78
SUM-5-0.00

5/10

STATE HIGHWAY TESTING AND RESEARCH LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO



Moisture Density Samples

Depth	Max. Dry Wt.	Optimum Moisture
0.3'-6.5'	114.6 lbs/cu.ft.	14.6 %
6.5'-12.5'	124.2 lbs/cu.ft.	11.2 %
12.5'-15.5'	124.2 lbs/cu.ft.	11.2 %
15.5'-17.0'	126.6 lbs/cu.ft.	10.5 %
17.0'-18.0'	121.7 lbs/cu.ft.	11.9 %

TE-34-B
12-5-56

SOIL PROFILE
WAYNE-SUMMIT COS.
WAY-5-15.78
SUM-5-0.00
STATE HIGHWAY TESTING AND RESEARCH LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

6
10

Corn
Wheat
Weeds
Woods
Surface seepage
Brush
Hay
Drainage ditch
990
995
1000
1005
1010
1015
1020
1021

Sod=0.3'
20
15
13
Refusal
18
12
10
19
25
23
13
Refusal
Moisture Density Sample
0.3 - 11.5'
Max Dry Wt 119.3 lbs./cu.ft.
Optimum Moisture 12.7 %
20
14
10
13
Refusal
Moisture Density Sample
10.0 - 13.0'
Max Dry Wt. 125.6 lbs./cu.ft.
Optimum Moisture 9.8 %
18
13
12
13
Moisture Density Sample
0.3 - 8.0'
Max Dry Wt. 121.7 lbs./cu.ft.
Optimum Moistur 11.9 %
15
13

NOTE: It is believed that no bedrock will be encountered in this cut.

Sta. 1020+88.89 Back
Sta. 1020+77.33 Ahead

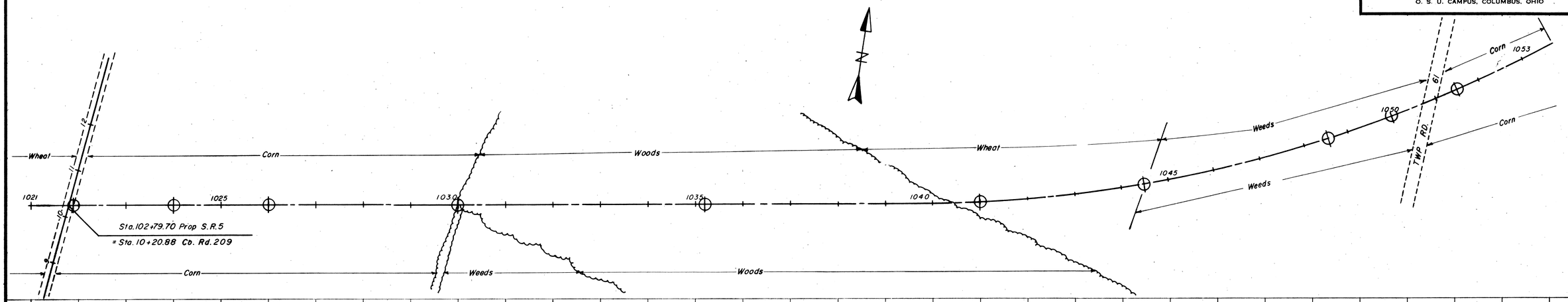
1240 1230 1220 1210 1200 1190 1180 1170

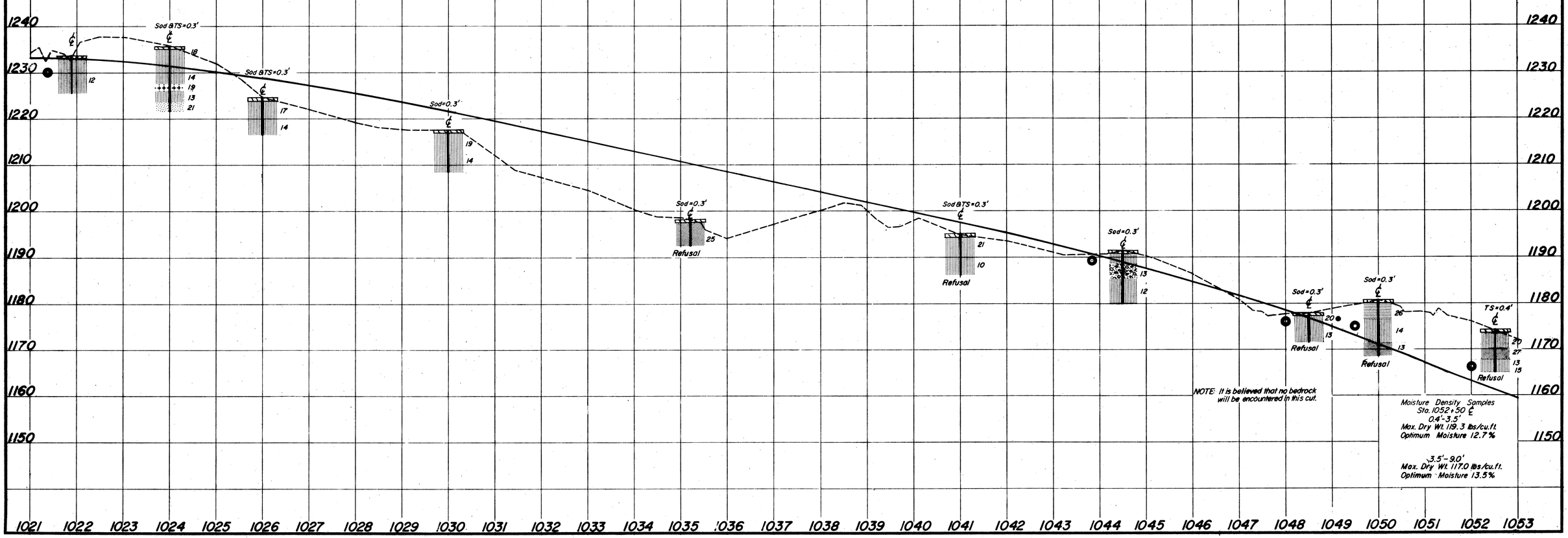
990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021

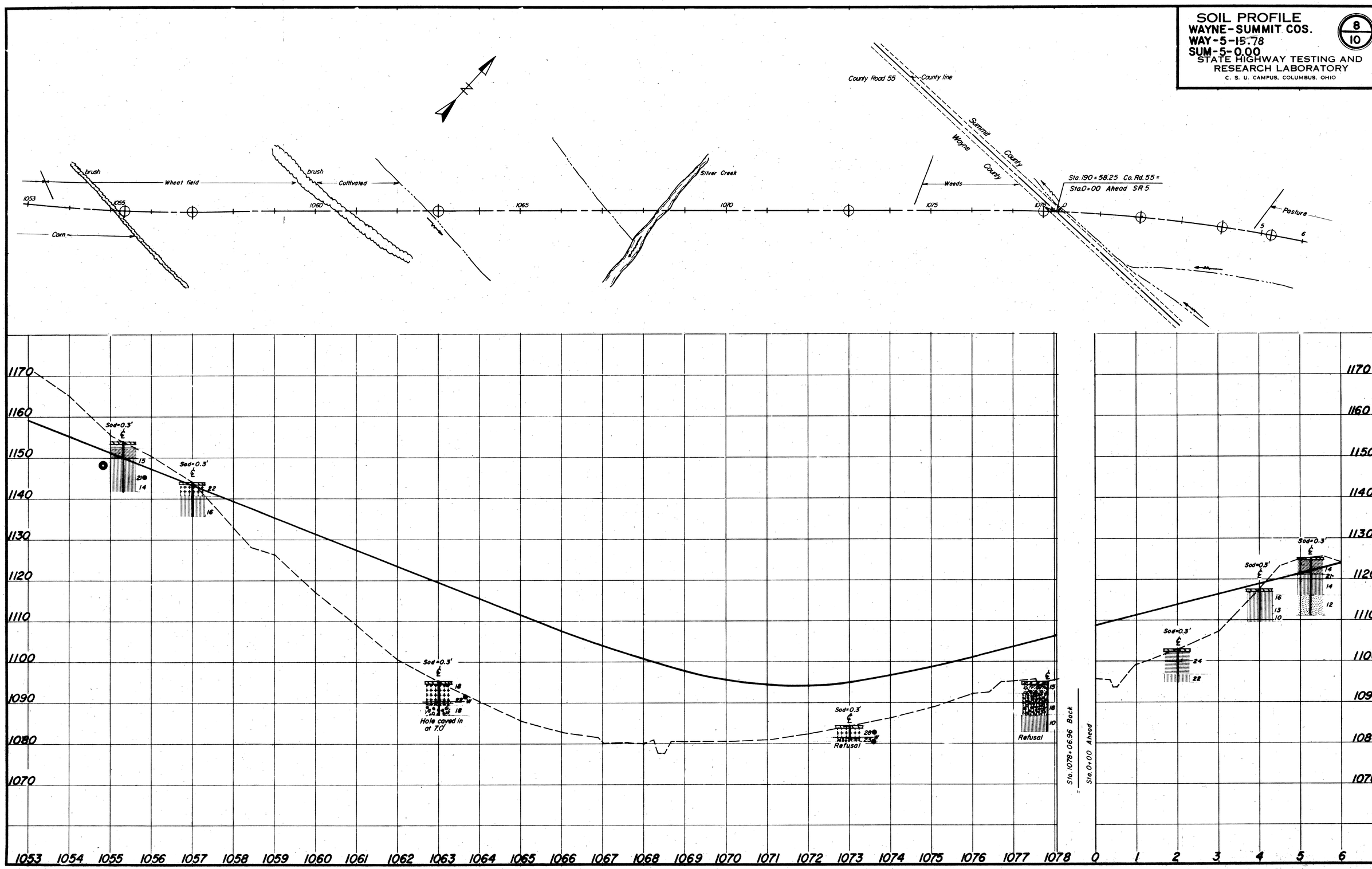
TE 54 B
125-8-56

SOIL PROFILE
WAYNE - SUMMIT COS.
WAY-5-15.78
SUM-5-0.00
STATE HIGHWAY TESTING AND RESEARCH LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

7
10

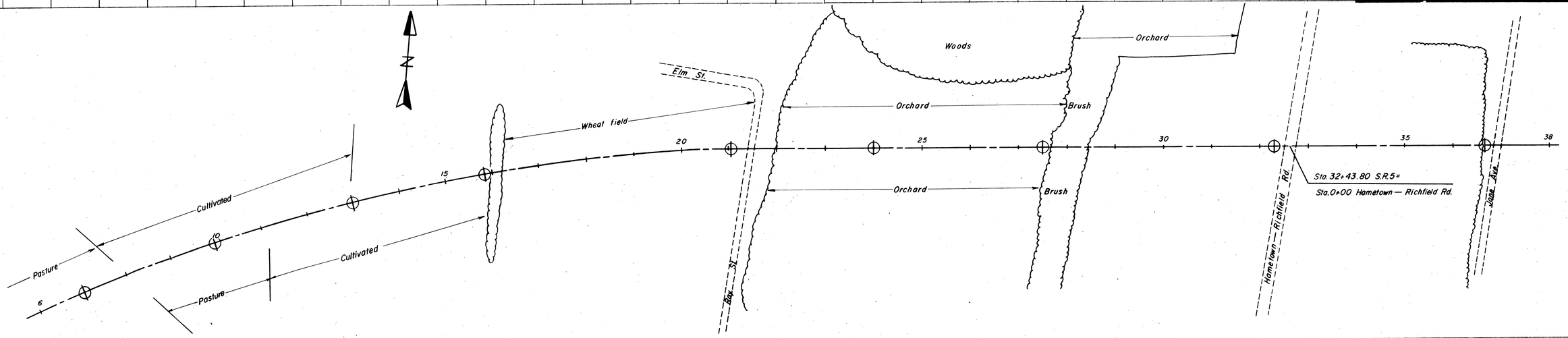


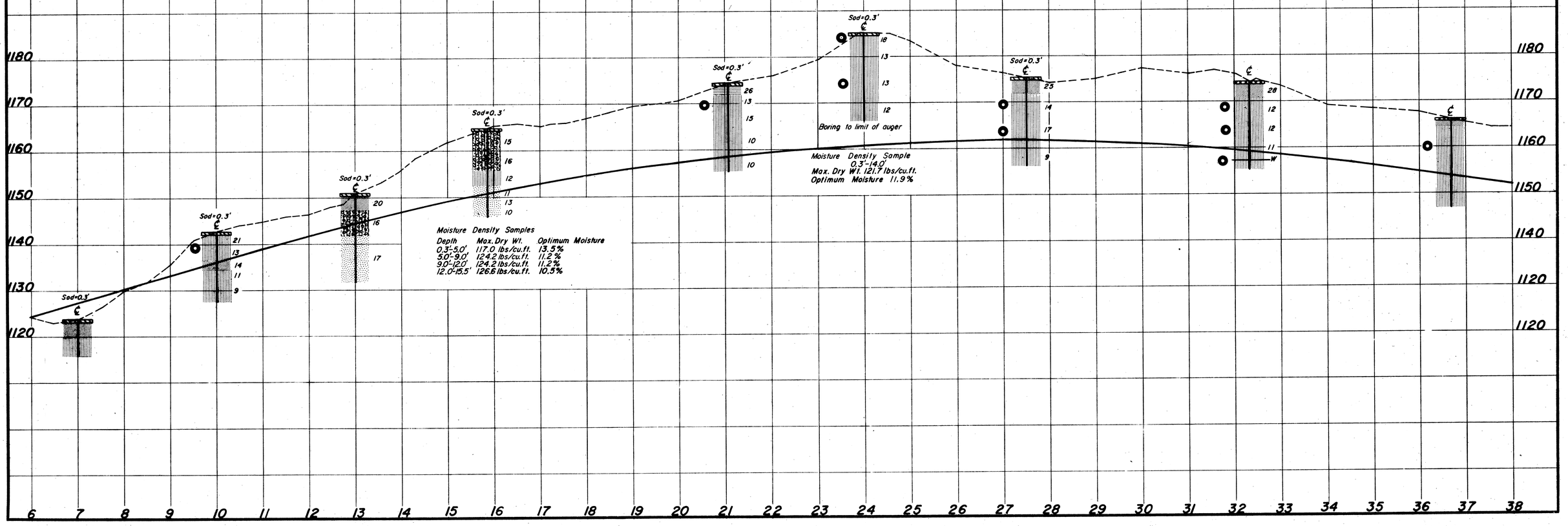



SOIL PROFILE
WAYNE-SUMMIT COS.
WAY-5-15.78
SUM-5-0.00
8
10
STATE HIGHWAY TESTING AND RESEARCH LABORATORY
C. S. U. CAMPUS, COLUMBUS, OHIO
County Road 55
County line
Summit County
Wayne County
Sta. 190+58.25 Co. Rd. 55 = Sta. 0+00 Ahead SR 5
brush
Wheat field
brush
Cultivated
Silver Creek
Weeds
Pasture
Corn
Sod=0.3'
Hole caved in at 7.0'
Refusal
Refusal
Sta. 1078+06.96 Back = Sta. 0+00 Ahead
1053
1054
1055
1056
1057
1058
1059
1060
1061
1062
1063
1064
1065
1066
1067
1068
1069
1070
1071
1072
1073
1074
1075
1076
1077
1078
0
1
2
3
4
5
6
1170
1160
1150
1140
1130
1120
1110
1100
1090
1080
1070

SOIL PROFILE
WAYNE-SUMMIT COS.
WAY-5-15.78
SUM-5-0.00
STATE HIGHWAY TESTING AND RESEARCH LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

9/10





Moisture Density Samples

Depth	Max. Dry Wt.	Optimum Moisture
0.3'-5.0'	117.0 lbs/cu.ft.	13.5%
5.0'-9.0'	124.2 lbs/cu.ft.	11.2%
9.0'-12.0'	124.2 lbs/cu.ft.	11.2%
12.0'-15.5'	126.6 lbs/cu.ft.	10.5%

Moisture Density Sample
0.3'-14.0'
Max. Dry Wt. 121.7 lbs/cu.ft.
Optimum Moisture 11.9%

SOIL PROFILE
WAYNE - SUMMIT COS.
WAY - 5 - 15.78
SUM - 5 - 0.00
STATE HIGHWAY TESTING AND RESEARCH LABORATORY
O. S. U. CAMPUS, COLUMBUS, OHIO

10
10

