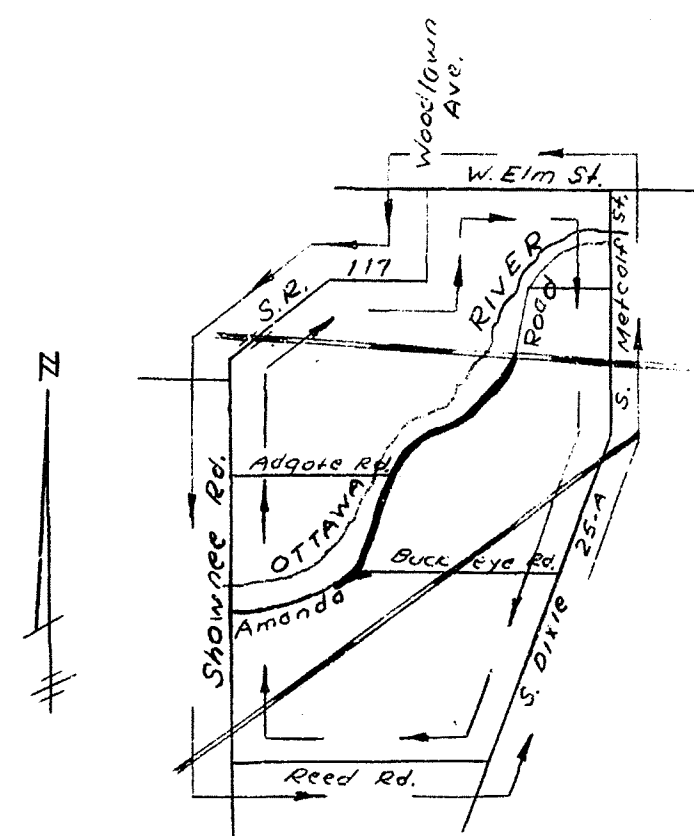
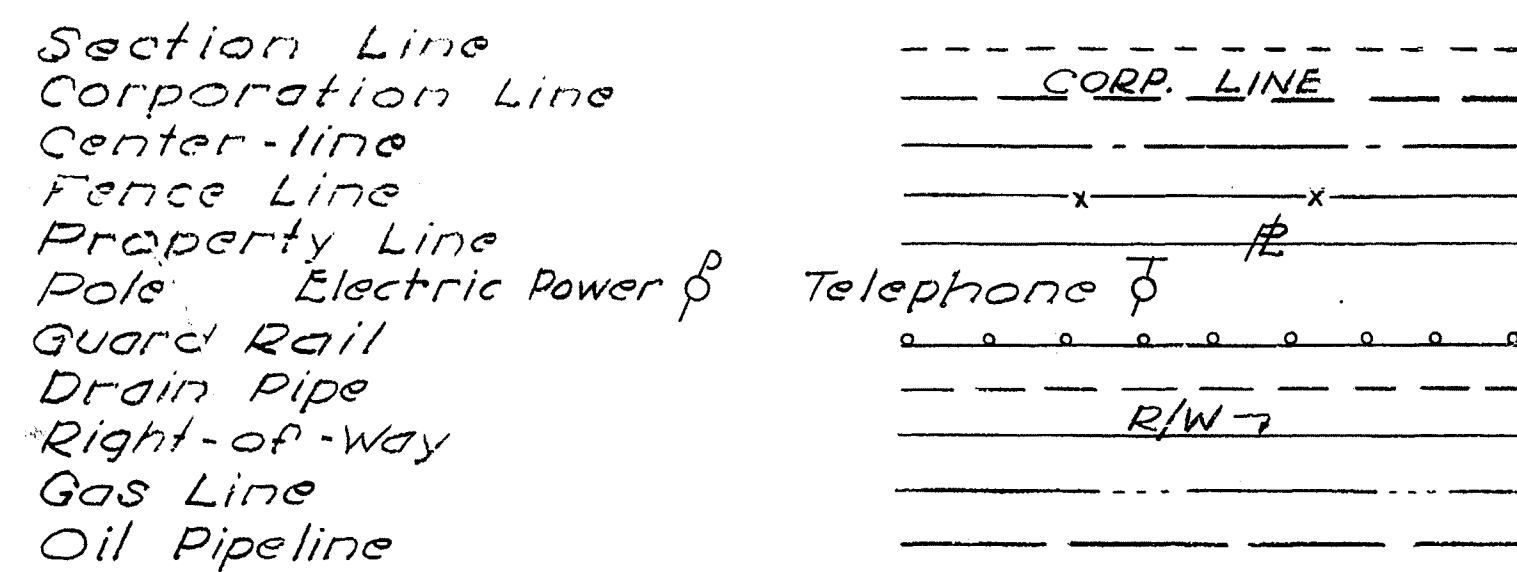


STATE OF OHIO ALLEN COUNTY AMANDA ROAD SHAWNEE TOWNSHIP COUNTY ROAD No 11

DETOUR MAP



CONVENTIONAL SIGNS



INDEX OF SHEETS

Title Sheet	1
Typical Section	2, 3
General Notes and Summary of Quantities	4
Plan and Profile	5-16
Transition and Intersection Details	17-19
Construction Details	20
Cross-Sections	21-50
Right-of-Way	51-54

LINE DATA

Begin Project: Sta. 43+00
End Project: Sta. 140+00
Length = 9700.00 Ft.

Station Equation: Sta. 80+86.09 (Back) = Sta. 84+47.50 (Ahead)
Equation = -361.41 Ft.

Gross length of Project = 9338.59 Ft., or, 1.769 Miles
Intersection No 2-P Deduct 18.00 Ft.
Net length of Project = 9820.59 Ft., or, 1.765 Miles

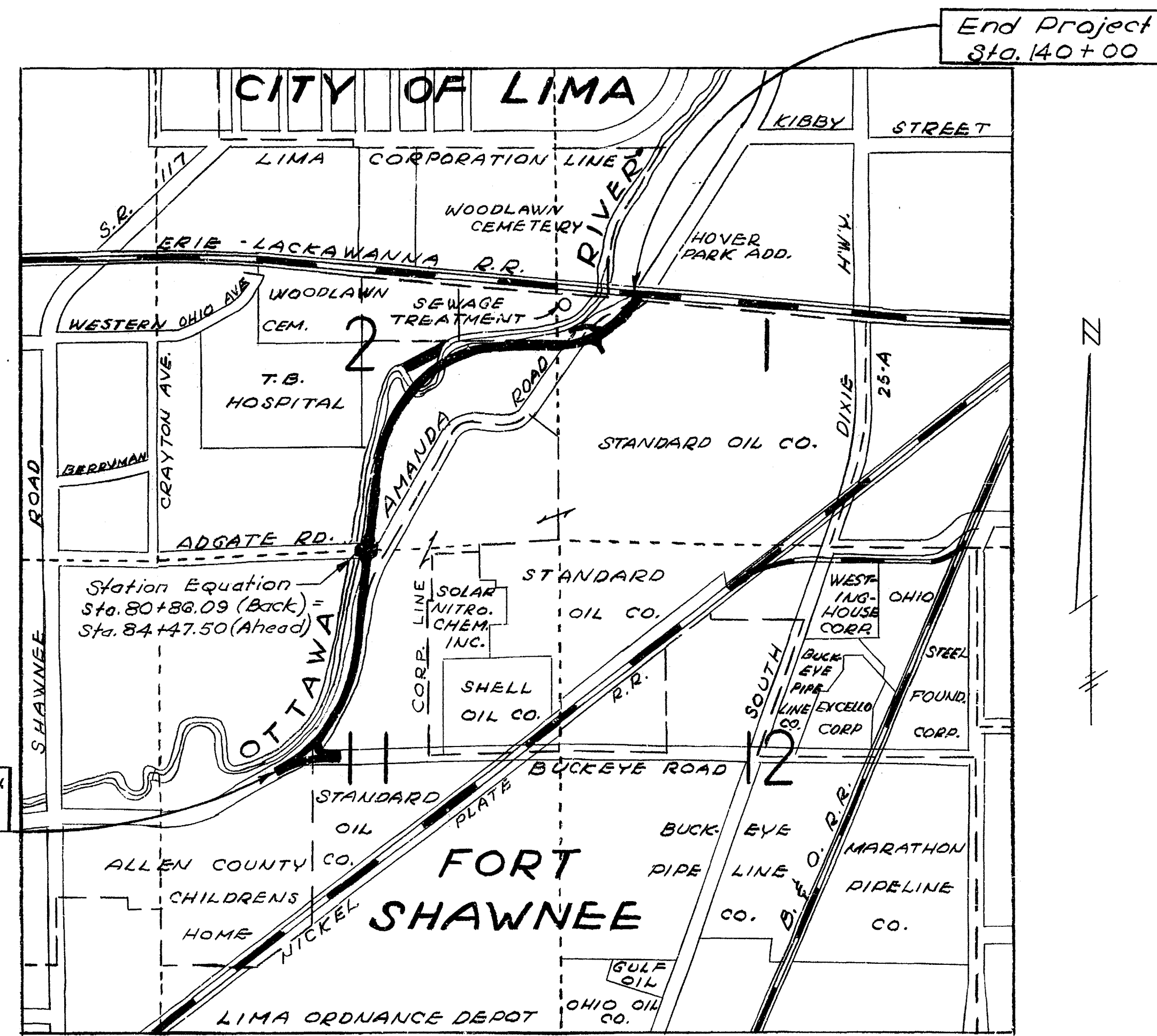
Begin Work: Sta. 42+00
End Work: Sta. 140+91
Length = 9891.00 Ft.

Station Equation: Sta. 80+86.09 (Back) = Sta. 84+47.50 (Ahead)
Equation = -361.41 Ft.

Gross length of Work = 9529.59 Ft., or, 1.805 Miles
Intersection No 2-P Deduct 18.00 Ft.
Net length of Work = 9511.59 Ft., or, 1.801 Miles

STANDARD DRAWINGS

Drawing	Date	Drawing	Date	Drawing	Date
MC-3	5-1-66	CB-2-2-B	6-1-65	L-1	6-1-65
MC-4	6-1-65	GR-2-A	1-1-67		
HW-3	6-1-65				



LOCATION MAP Scale: 4 in = 1 mi

Portion to be improved
Detour shown thus
Other Roads

SCALES

Plan	1 in. = 50 ft.
Profile (Horizontal)	1 in. = 50 ft.
Profile (Vertical)	1 in. = 10 ft.
Cross-sections	1 in. = 10 ft.

We, the Commissioners of Allen County, Ohio, in formal Session, hereby approve these Plans and certify that the necessary Right-of-Way is available.

Date _____
Board of Commissioners
Richard E. Long
Richard E. Long
Allen County Engineer

The Standard Specification of the State of Ohio, Department of Highways, dated January 1, 1967, including changes and supplemental Specifications listed in the Proposal shall govern this improvement.

I hereby approve these Plans and declare that the making of this improvement will require the closing to traffic of the Highway and that detours will be provided as indicated on these Plans

Approved: _____
Date July 25, 1963
Richard E. Long
Allen County Engineer

Approved: _____
Date August 8, 1963
Richard E. Long
Mayor, Village of Fort Shawnee

Approved: _____
Date August 14, 1963
Richard E. Long
Mayor, City of Lima and Chairman,
City Planning Commission

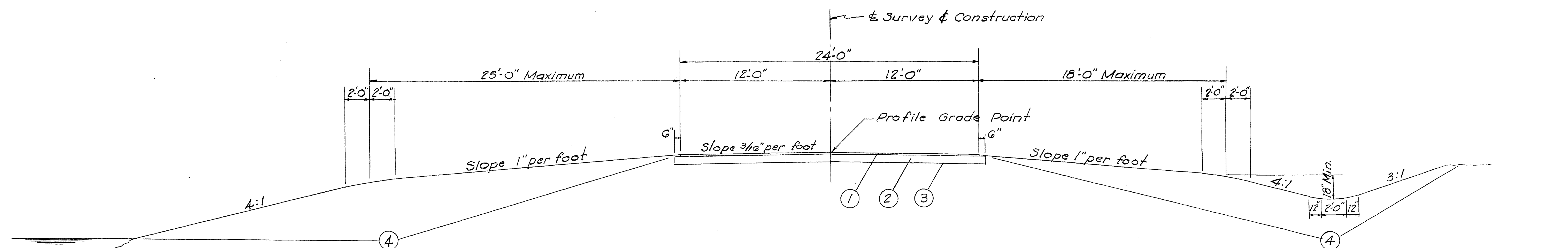
KOHLI AND KALIKER ASSOCIATES
CONSULTING ENGINEERS
LIMA, OHIO

FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

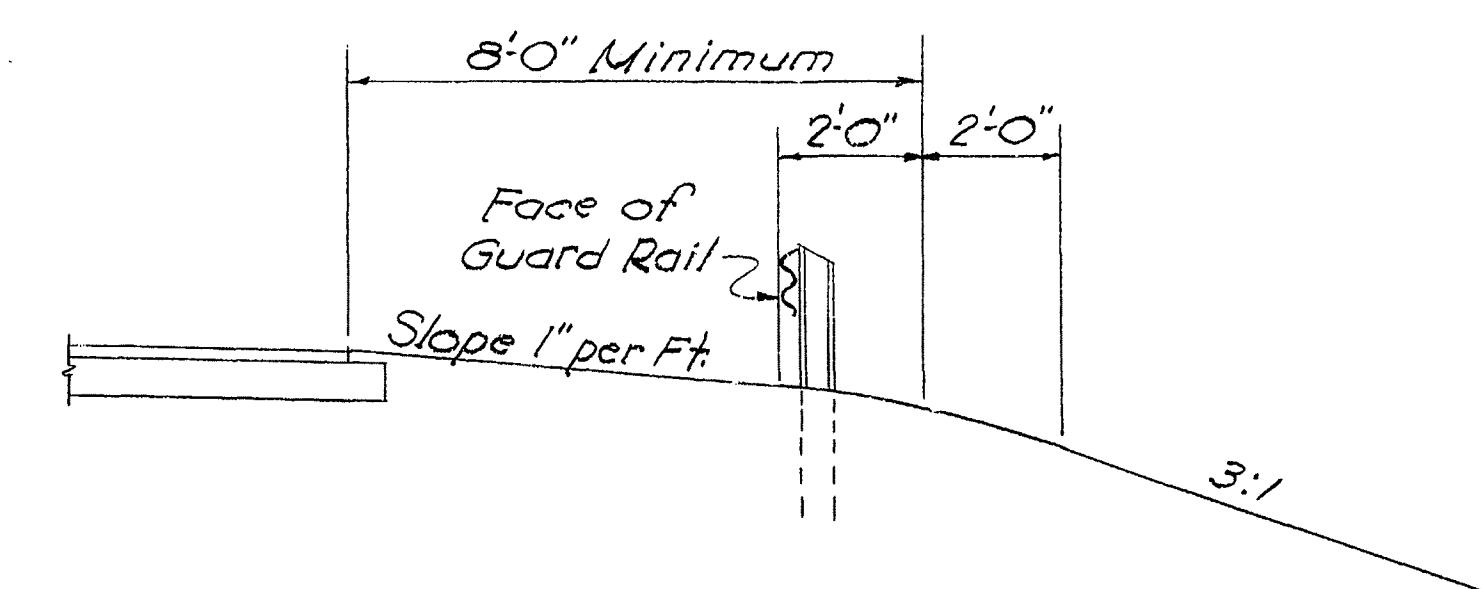
2
54

ALLEN COUNTY
COUNTY ROAD NO 11

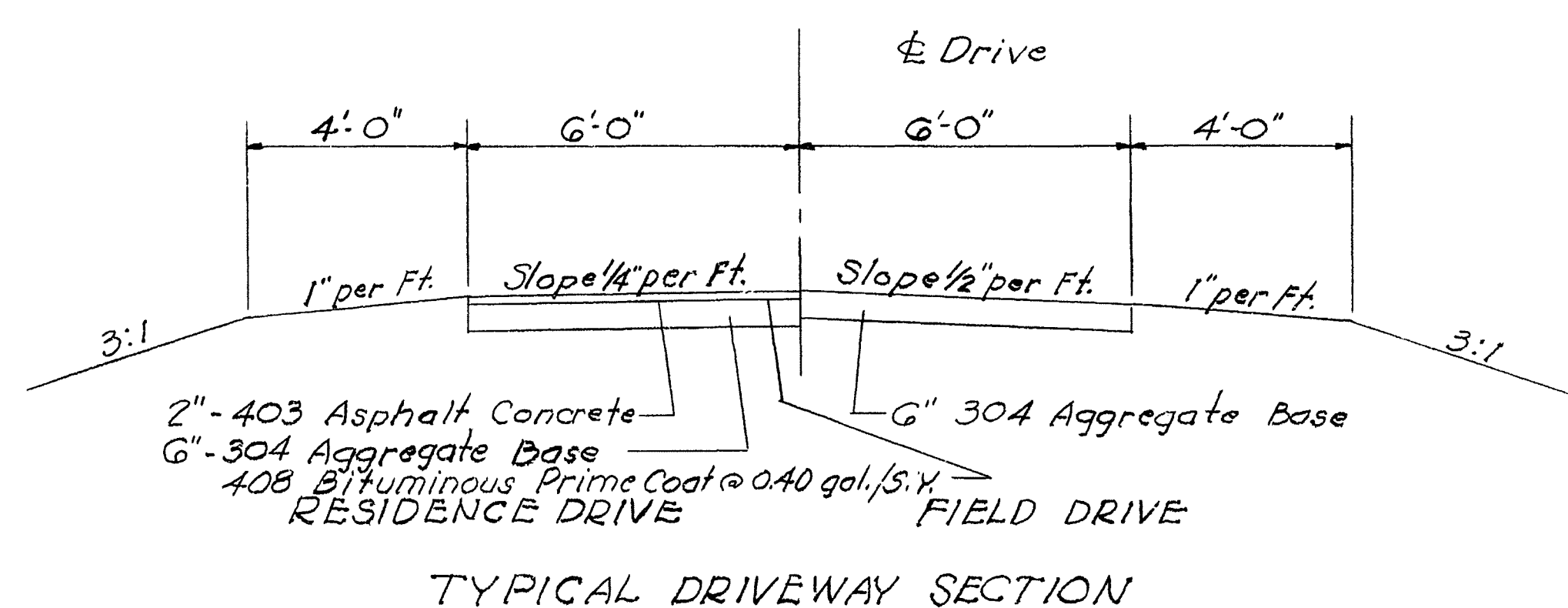
TYPICAL SECTION TYPE 403 ON 301



- ① Item 403 1½" Asphalt Concrete
- ② Item 301 7" Bituminous Aggregate Base
- ③ Item 203 Subgrade Preparation
- ④ Item 659 Seeding and Mulching

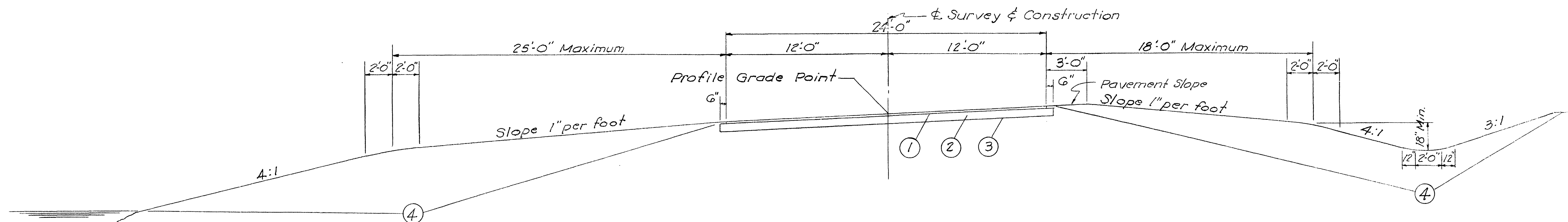


TYPICAL SECTION SHOWING
LOCATION OF GUARD RAIL



TYPICAL DRIVEWAY SECTION

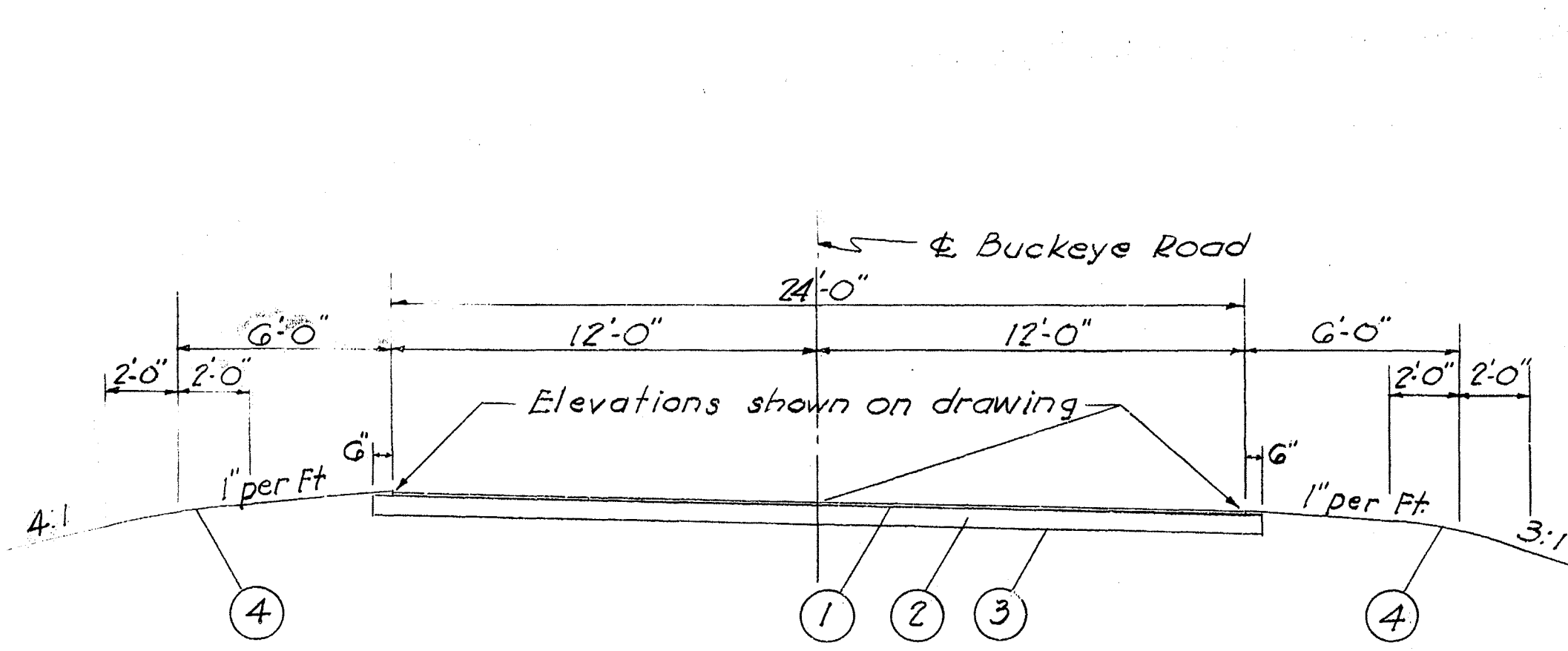
TYPICAL SUPER-ELEVATED SECTION TYPE 403 ON 301



- ① Item 403 1½" Asphalt Concrete
- ② Item 301 7" Bituminous Aggregate Base
- ③ Item 203 Subgrade Preparation
- ④ Item 659 Seeding and Mulching

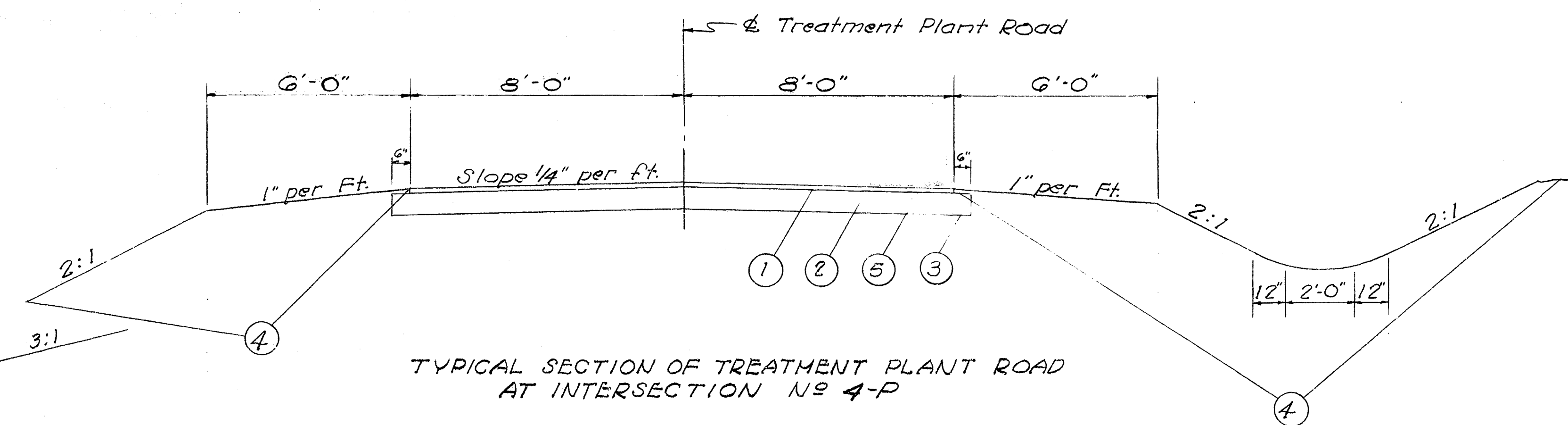
FED. RD. DIVISION	STATE	PROJECT	YEAR	3 54
2	OHIO	COUNTY	1968	

ALLEN COUNTY
COUNTY ROAD NO. 11



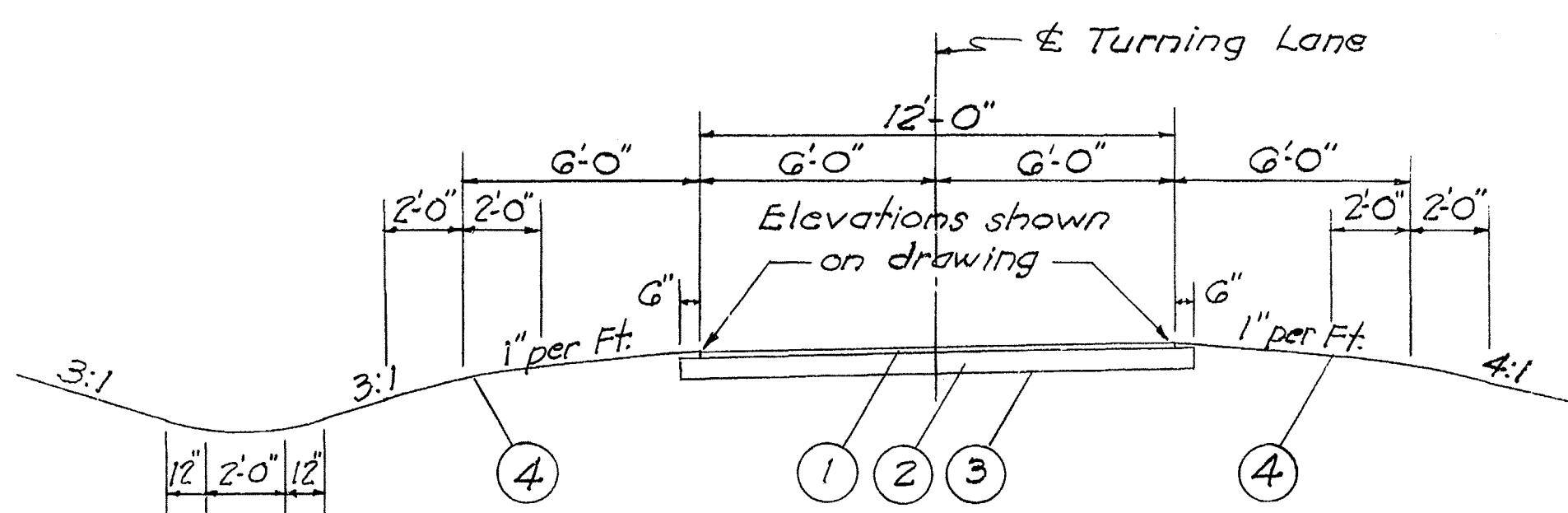
TYPICAL SECTION OF BUCKEYE ROAD AT INTERSECTION I-P

- ① Item 403 1½" Asphalt Concrete
- ② Item 301 7" Bituminous Aggregate Base
- ③ Item 203 Subgrade Preparation
- ④ Item 659 Seeding and Mulching



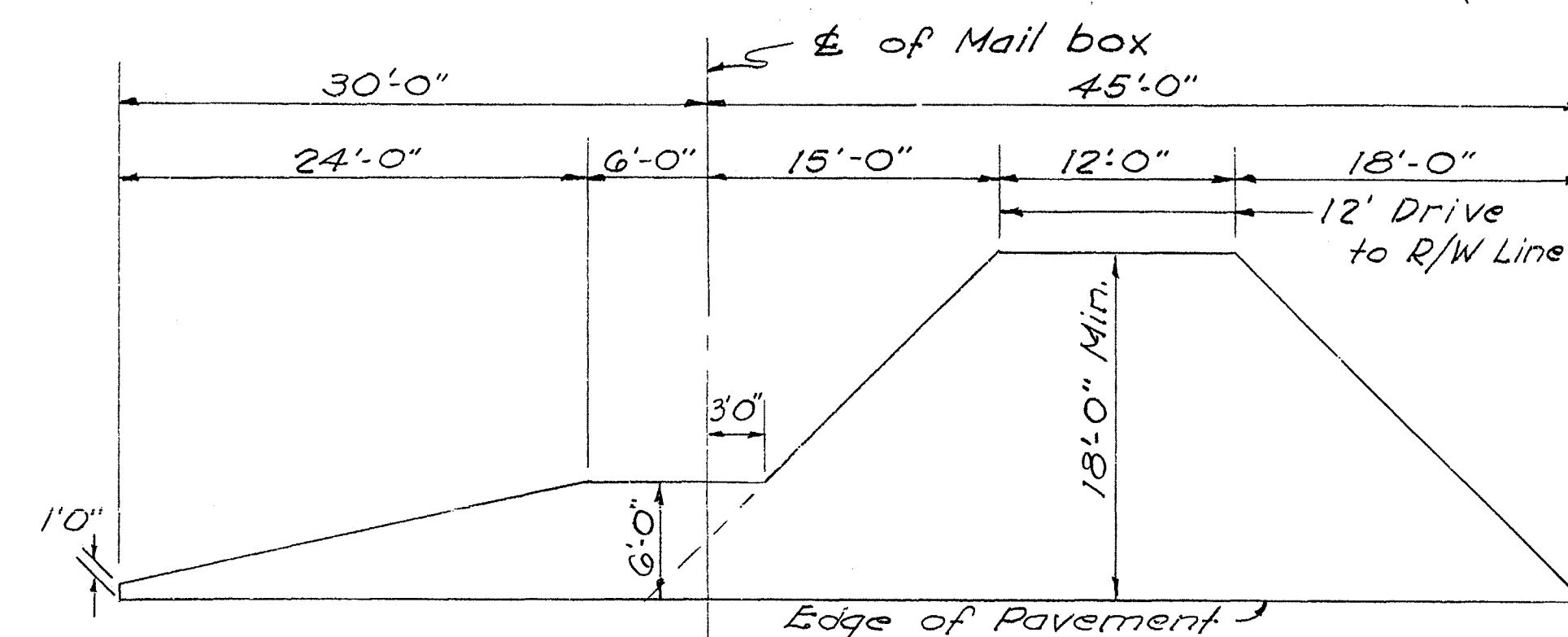
TYPICAL SECTION OF TREATMENT PLANT ROAD AT INTERSECTION N-4-P

- ① Item 403 2" Asphalt Concrete
- ② Item 304 8" Aggregate Base
- ③ Item 203 Subgrade Preparation
- ④ Item 659 Seeding and Mulching
- ⑤ Item 408 Bituminous Prime Coat (0.40 Gal./sq. Yd.)



TYPICAL SECTION OF EASTBOUND TURNING LANE AT INTERSECTION I-P RAMP "R"

- ① Item 403 1½" Asphalt Concrete
- ② Item 301 7" Bituminous Aggregate Base
- ③ Item 203 Subgrade Preparation
- ④ Item 659 Seeding and Mulching



TYPICAL COMBINED DRIVEWAY & MAIL BOX APPROACH

- 2" Item 403 Asphalt Concrete
- 6" Item 304 Aggregate Base
- Item 408 Bituminous Prime Coat (0.40 Gal./sq. Yd.)

GENERAL NOTES

DESIGN SPEED - A design speed of 50 m.p.h. was used on this project.

UTILITIES - Any and all work required for adjustment of private utilities shall be done by and at the expense of their respective owners.

FIELD OFFICE - The Contractor shall provide a suitable field office in accordance with Sec. 105.152 of the Specifications having a minimum floor area of 150 Sq. Ft. The Contractor shall have a telephone installed in this office during the life of the Project.

CONSTRUCTION IDENTIFICATION SIGNS - Signs identifying the Project, as detailed on this sheet, shall be erected at locations chosen by the Engineer at each end of the Project on Amanda Road and at the end of Project on Adgate Road and Buckeye Road. Four (4) signs will be required. Payment for Construction Signs shall be included in Item 614, Maintaining Traffic.

MAINTAINING TRAFFIC - In addition to the lights, signs, and barricades required under Item 614, the Contractor shall furnish and maintain all-weather access for the residences adjacent to the work. Temporary roads using traffic compacted surface course, Item 410, shall be constructed and removed as required and payment for such roads shall be included in the Lump Sum price bid for Item 614, Maintaining Traffic. The existing Amanda Road pavement shall be used for temporary access where possible.

SEEDING - Quantities for seeding and mulching have been calculated to extend 5 feet beyond the work limits or to the right-of-way line whichever is less. Seed mixtures and rate of application of seed, fertilizer and lime shall be in accordance with Item 659. Any area outside the planned seeding limits, which is disturbed by the Contractor shall be restored at his expense.

GUARD RAIL and FENCE - Existing guard rail and fence which is removed shall be stored on the right-of-way for disposal by the owner.

FEATHERING SURFACE COURSE - Item 403, Asphalt Concrete, shall be feathered to meet the existing pavement in accordance with Standard Drawing BP-5.

CONVERSION TO U.S.G.S. DATUM - To convert the elevations shown on these drawings to U.S.G.S. datum, subtract 1.29 feet.

PAVEMENT REMOVAL - Payment for removal of existing pavement is included in Item 203, Roadway Excavation.

TOPSOIL REPLACED - Topsoil shall be stockpiled and replaced to a depth of 12 inches in the island formed by the pavement at the intersection of Amanda and Buckeye Roads, Intersection 1-P. Payment for stockpiling and placing topsoil in this area, shall be included in the unit price bid for Item 203, Roadway Excavation.

SCARIFICATION OF EXISTING PAVEMENT - Prior to placement of embankment material on paved areas, the existing flexible pavement shall be scarified, mixed with the embankment material and re-compacted to insure the elimination of planes of separation between the existing pavement and the proposed embankment. Payment for this operation shall be included in the unit price bid for Item 203, Roadway Excavation.

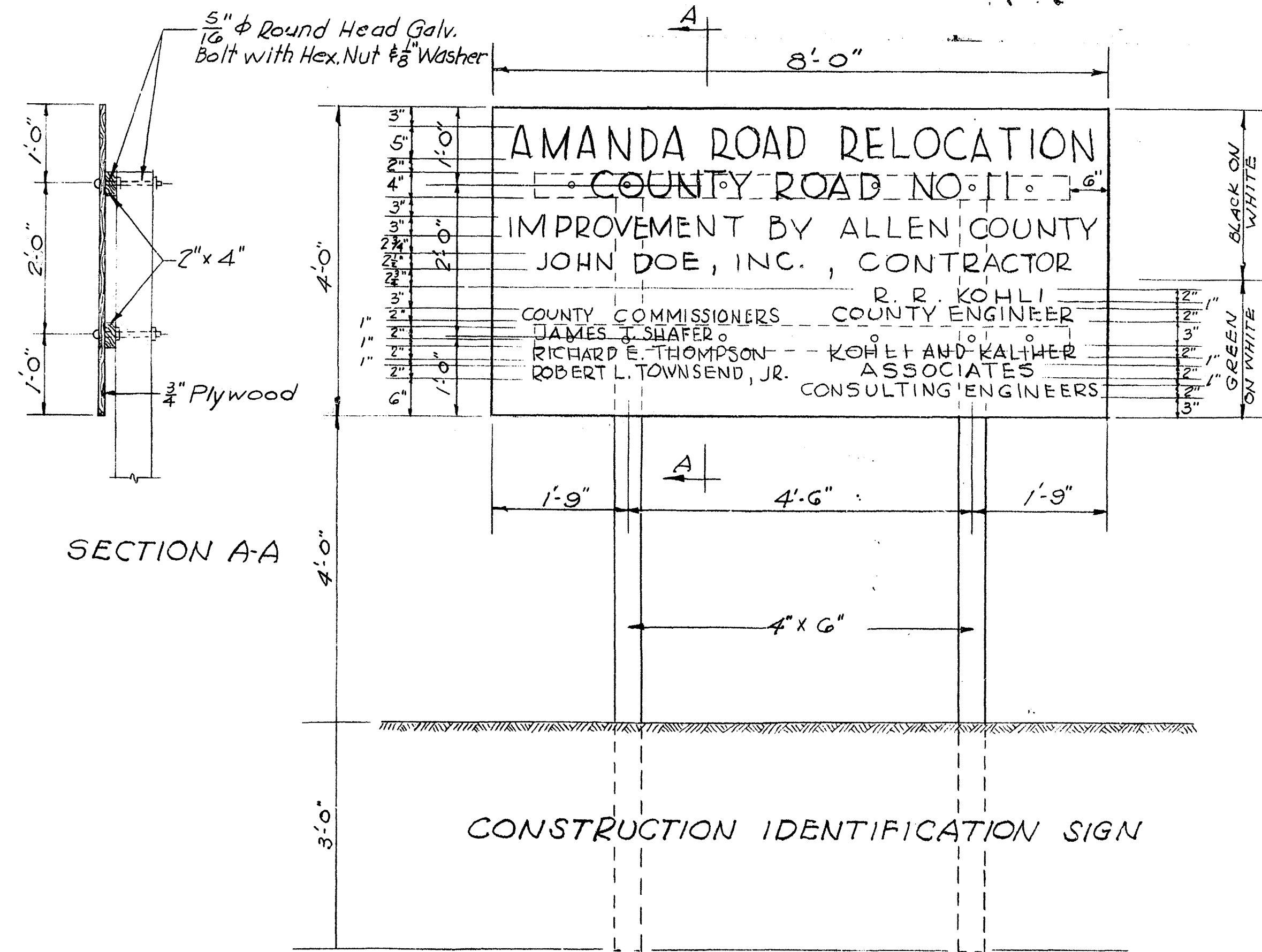
CLEARING AND GRUBBING - Unless otherwise shown, all trees and stumps lying within the construction limits shall be removed under the Lump Sum price bid for Item 201, Clearing and Grubbing. When called for on the plans, trees shall be left in place and protected by Tree Root Aeration when required. The County reserves the right to order the removal of trees and stumps outside or inside the limits of the right-of-way as directed by the Engineer. Payment for removal of additional trees and stumps shall be included in the Lump Sum price bid for Item 201, Clearing and Grubbing.

ESTIMATED QUANTITIES - Specific locations and usage of estimated quantities as set up on these plans to be used by the Engineer shall become a matter of record by incorporation into the final change order governing completion of the Project.

REMOVAL OF FENCE - Fences shall be removed and disposed of by their respective owners.

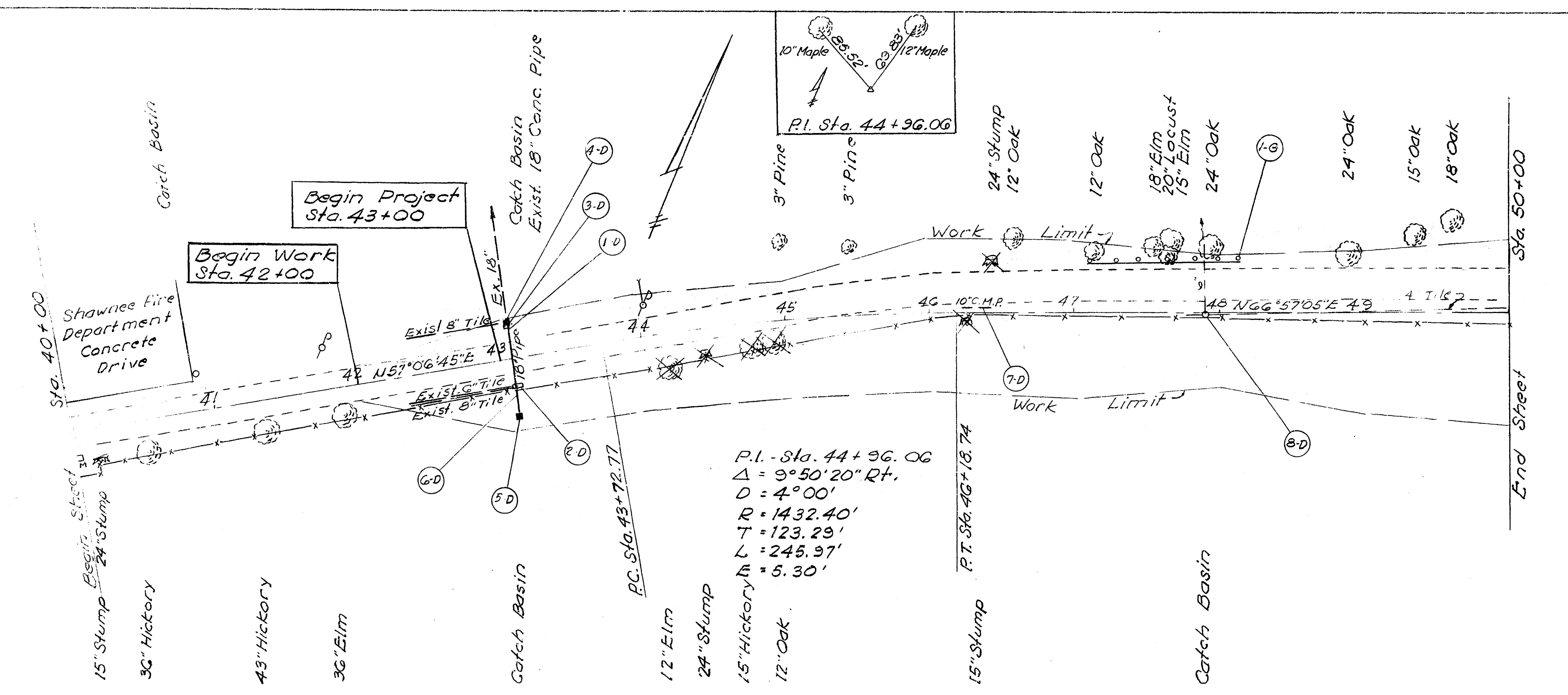
OTTAWA RIVER CHANNEL CHANGE - Excess excavation shall be used as directed by the Engineer to fill depressions left by relocation of the channel. All trees and brush shall be removed between the channel and the proposed road, such removal being included in the lump sum price bid for Item 201, Clearing and Grubbing.

TOPSOILING PLANTING AREA - The top six (6) inches of fill in the triangular area bounded by Amanda Road, Buckeye Road, and the turning lane shall be composed of topsoil. Payment for topsoil shall be included in the unit price bid for Item 203, Excavation.



GENERAL SUMMARY

ITEM	QUANTITY	UNIT	DESCRIPTION						
ROADWAY									
201	Lump Sum		Clearing and Grubbing						
202	215	Lin. Ft.	Pipe Removed (10" to 30" Diam.)						
202	355	Lin. Ft.	Guard Rail Removed for Storage						
202	4	Ea.	Catch Basins Removed						
203	130,448	Cu. Yd.	Excavation, Including Embankment Construction						
203	28,065	Sq. Yd.	Subgrade Preparation						
606	162.50	Lin. Ft.	Guard Rail, Type 4						
658	60	Cu. Yd.	Tree Root Aeration (To be used as directed by the Engineer)						
503	60	Cu. Yd.	Unclassified Excavation						
509	3377	Lb.	Reinforcing Steel						
511	29.51	Cu. Yd.	Class C Concrete						
DRAINAGE									
603	105	Lin. Ft.	12" Conduit, Type A with Class B Bedding						
603	334	Lin. Ft.	12" Conduit, Type F						
603	56	Lin. Ft.	15" Conduit, Type F						
603	63	Lin. Ft.	18" Conduit, Type A with Class B Bedding						
603	91	Lin. Ft.	21" Conduit, Type F						
603	146	Lin. Ft.	24" Conduit, Type F						
603	682	Lin. Ft.	30" Conduit, Type F						
604	3	Ea.	Catch Basins, Std. Dwg. 2-2-B						
PAVEMENT									
301	5631.69	Cu. Yd.	Bituminous Aggregate Base 702.01 (85-100)						
304	109.81	Cu. Yd.	Aggregate Base						
403	1187.67	Cu. Yd.	Asphalt Concrete (85-100)						
407	44.70	Gal.	Tack Coat 702.09, RT-2 or RT-3						
408	153.80	Gal.	Bituminous Prime 702.09, RT-2 or RT-3						
EROSION CONTROL									
659	10	Ton	Commercial Fertilizer						
659	47	Ton	Agricultural Liming						
659	104774	Sq. Yd.	Seeding and Mulching						
660	200	Sq. Yd.	Sodding						
601	4	Cu. Yd.	Dumped Rock Fill, Type B						
GENERAL									
614	Lump Sum		Maintaining Traffic						
	Lump Sum		Field Office						
PAVEMENT COMPUTATIONS									
	408	407	301	403	304	203	659	659	659
	Bitum- inous Prime	Tack Coat	Bitum- inous Aggregate Base	Asphalt Concrete	Aggregate Base	Sub grade Prepara- tion	Commer- cial Fert- ilizer	Agricul- tural Liming	Seeding & Mulching
	Gal.	Gal.	Cu. Yd.	Cu. Yd.	Cu. Yd.	Sq. Yd.	Ton	Ton	Sq. Yd.
Transition Sta. 42+00 to Sta. 43+00		22.50	7.00	5.63		25			
Typical Section			4704.59	967.93		23182			
Intersection N# 1-P		22.20	653.00	140.34		3266			
Intersection N# 2-P	4.00		141.37	27.16		720			
Ottawa River Channel									
Intersection N# 3-P			55.18	11.10		266			
Intersection N# 4-P	103.60		26.51	19.83	61.23	389			
Transition Sta. 140+00 to Sta. 140+91			44.04	9.05		217			
Side Approaches	46.20			6.42	48.58				
CARRIED TO GENERAL SUMMARY	153.80	44.70	5631.69	1187.67	109.81	28,065			

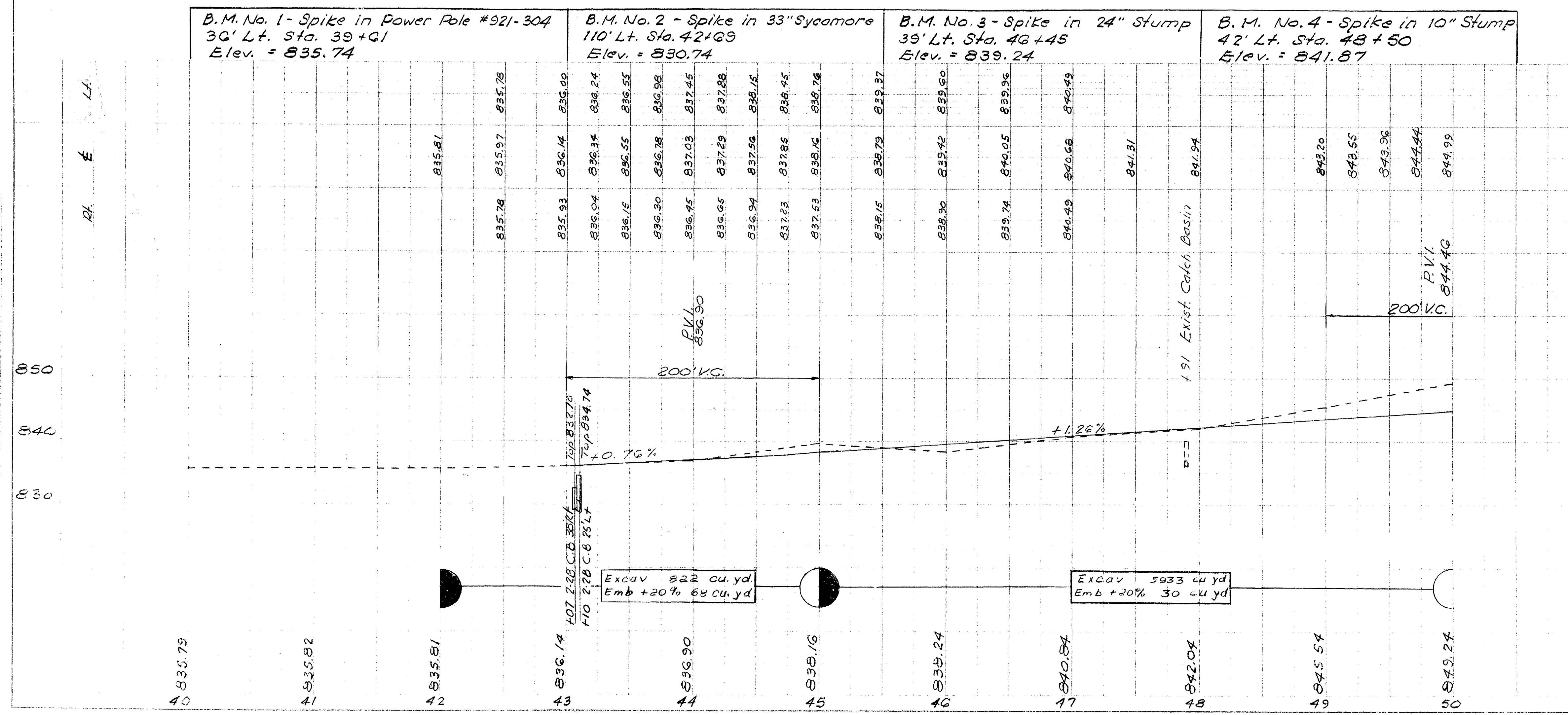


B.M. No. 1 - Spike in Power Pole #921-304
30' Lt. Sta. 39+01
Elev. = 835.74

B.M. No. 2 - Spike in 33" Sycamore
110' Lt. Sta. 42+09
Elev. = 830.74

B.M. No. 3 - Spike in 24" Stump
39' Lt. Sta. 46+45
Elev. = 839.24

B.M. No. 4 - Spike in 10" Stump
42' Lt. Sta. 48+50
Elev. = 841.87

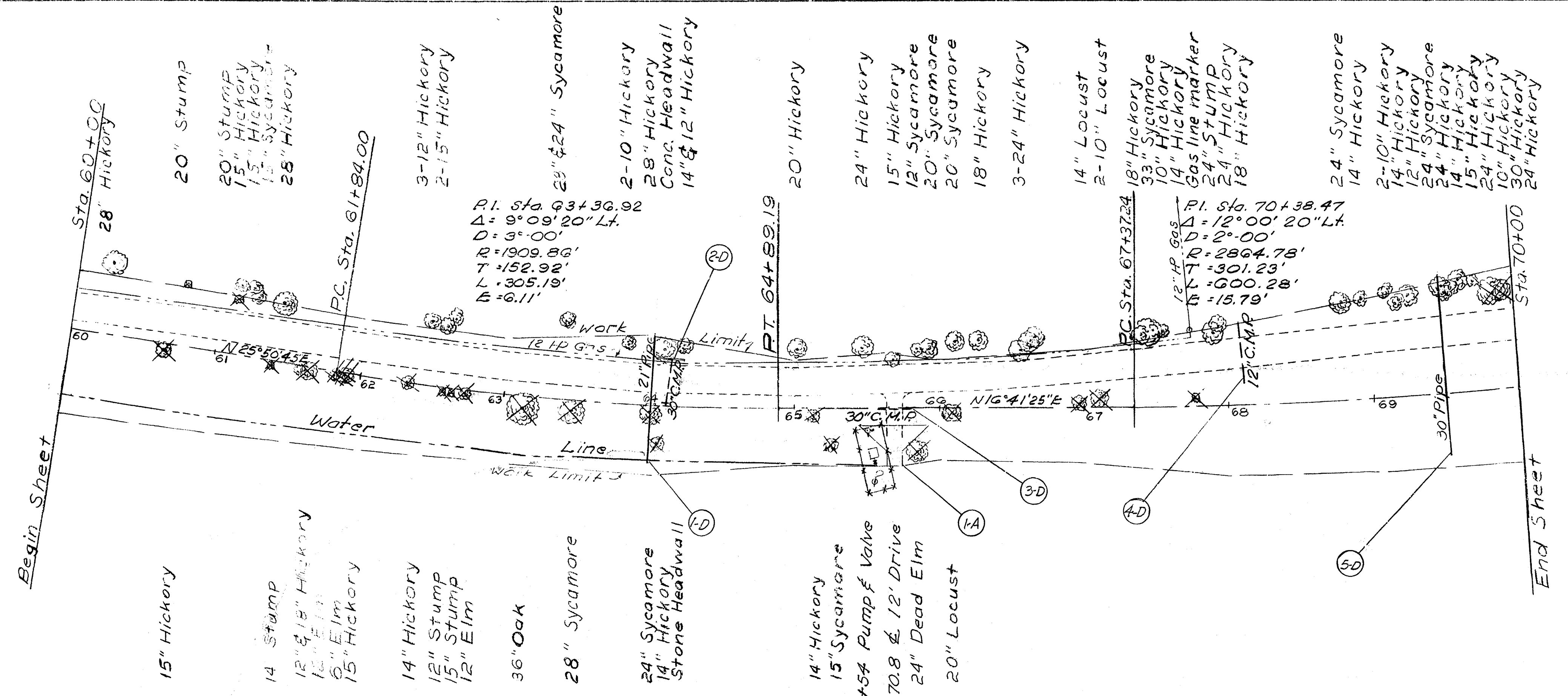


REF. STATION TO STATION	SIDE	Lin. Ft.	Each	2	3	63	103
1-0 43+10	RIGHT	42					
2-0 43+07	RT		1				
3-0 43+14	LT		1				
4-0 43+07	RT		1				
5-0 43+10	LT		1				
6-0 43+10	RIGHT					63	
7-0 46+84 to 46+44	RT	20	1				
8-0 47+91	RT						
1-0 47+11 to 47+14	LT						103
CARRIED TO GENERAL SUMMARY							103

PLAN & PROFILE STA. 40+00 to STA. 50+00

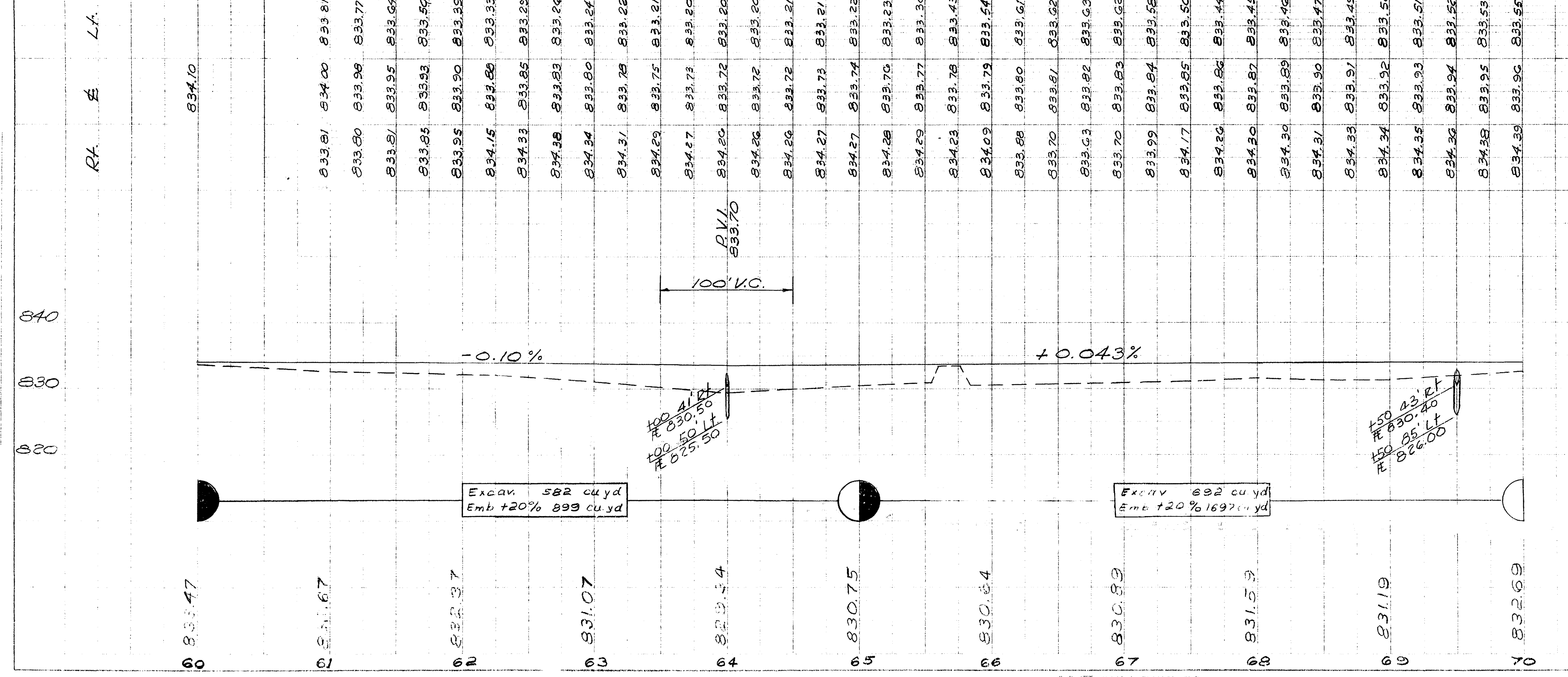
PLAN
DATE BOOK
NO.

PROFILE
DATE BOOK
NO.



B.M. No. 7 Spike in 28" Hickory
48' Lt. Sta. 61+48
Elev. 831.81

B.M. No. 8 Spike in 24" Hickory
46' Lt. Sta. 66+62
Elev. 831.84



REF. STATION TO STATION SIDE NO.	STATION	DESCRIPTION	AMOUNT	UNIT
1-D	64+00	Excav.	582	cu yd
2-D	64+10	Emb +20%	692	cu yd
3-D	65+59 to 65+83	Excav.	692	cu yd
4-D	68+10	Emb +20%	1697	cu yd
5-D	69+50	Excav.	582	cu yd
1-A	65+70.8	RT	12.22	
202	21' Conduit	Removed	38	Lin. ft.
203	30" Conduit	Removed	24	Lin. ft.
204	30" Conduit	Removed	47	Lin. ft.
303	Aggregate	Base	126	Cu. yd.
304	Aggregate	Concrete	126	Cu. yd.
403	Asphalt	Concrete	126	Cu. yd.

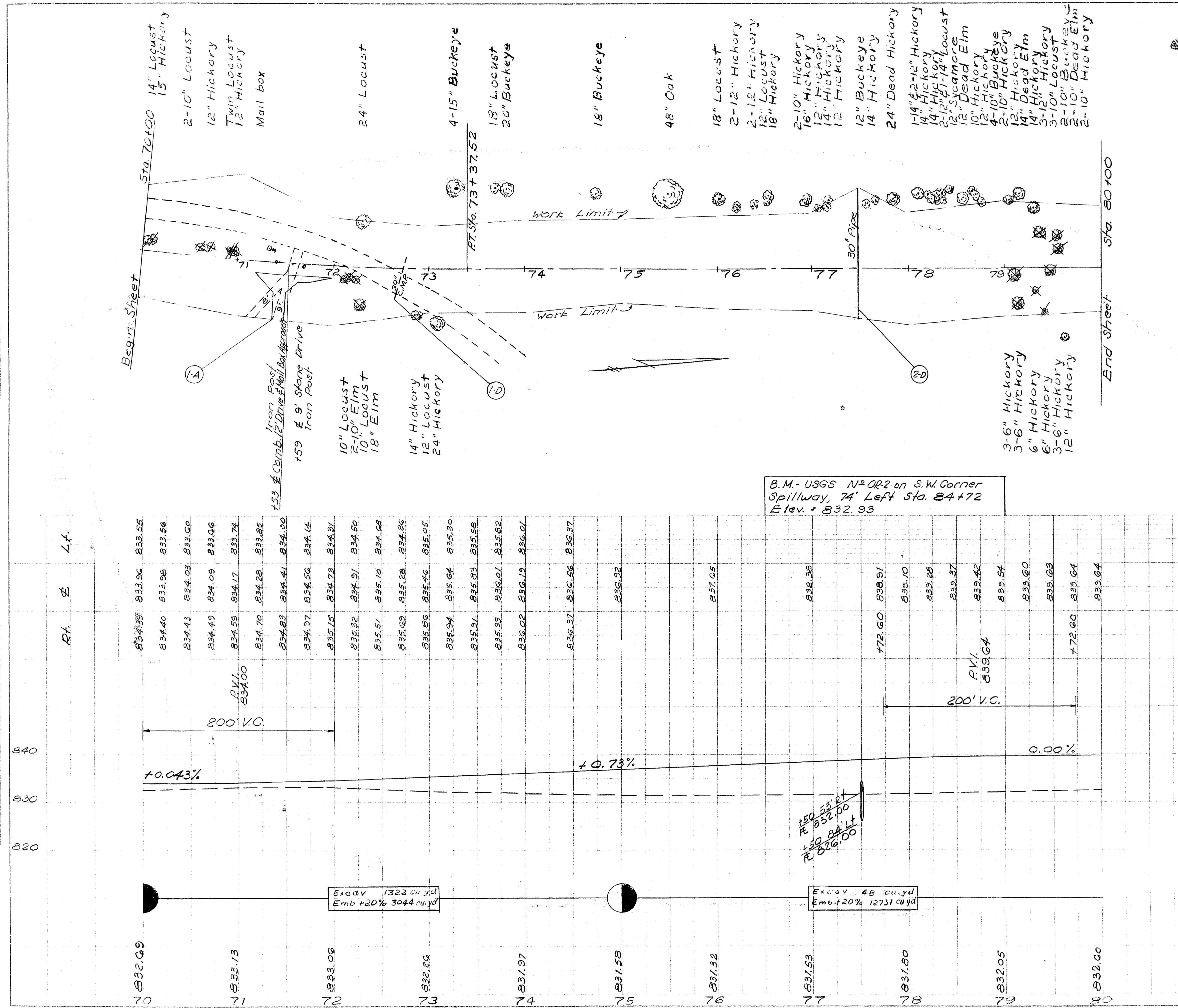
PLAN & PROFILE STA. 60+00 - 70+00

PLAN
 NOTE: ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED

PROFILE
 NOTE: ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SPECIFIED

FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

ALLEN COUNTY
 COUNTY ROAD No. 11



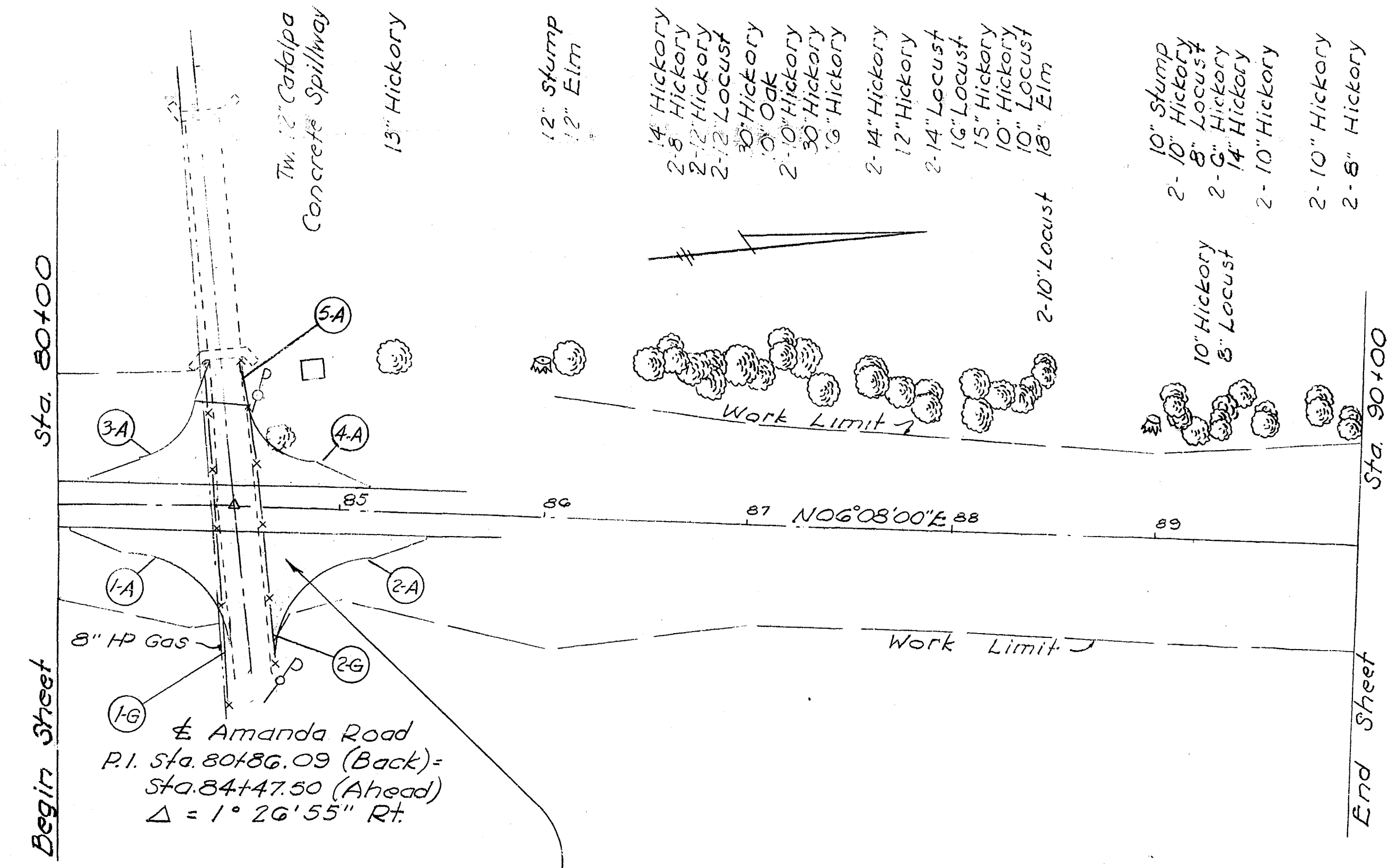
REF. STATION TO STATION SIDE NO.	DESCRIPTION	Lin. ft.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.
72+73	Excav. 1322 cu. yd Emb +20% 3044 cu. yd									
77+50	Excav. 46 cu. yd Emb +20% 12731 cu. yd									
78+72	202 Pipe Removed	44								
78+73	30" Conduit Type A or 14" x 14" Class B Bedding	137								
79+74	304 Aggregate Base		19.25	6.42	46.20					
80+75	403 Concrete									
80+76	408 Bituminous Prime									

Revised 4-1-69 PLAN & PROFILE: STA. 70+00 TO STA. 80+00

ALLEN COUNTY
COUNTY ROAD NO 11

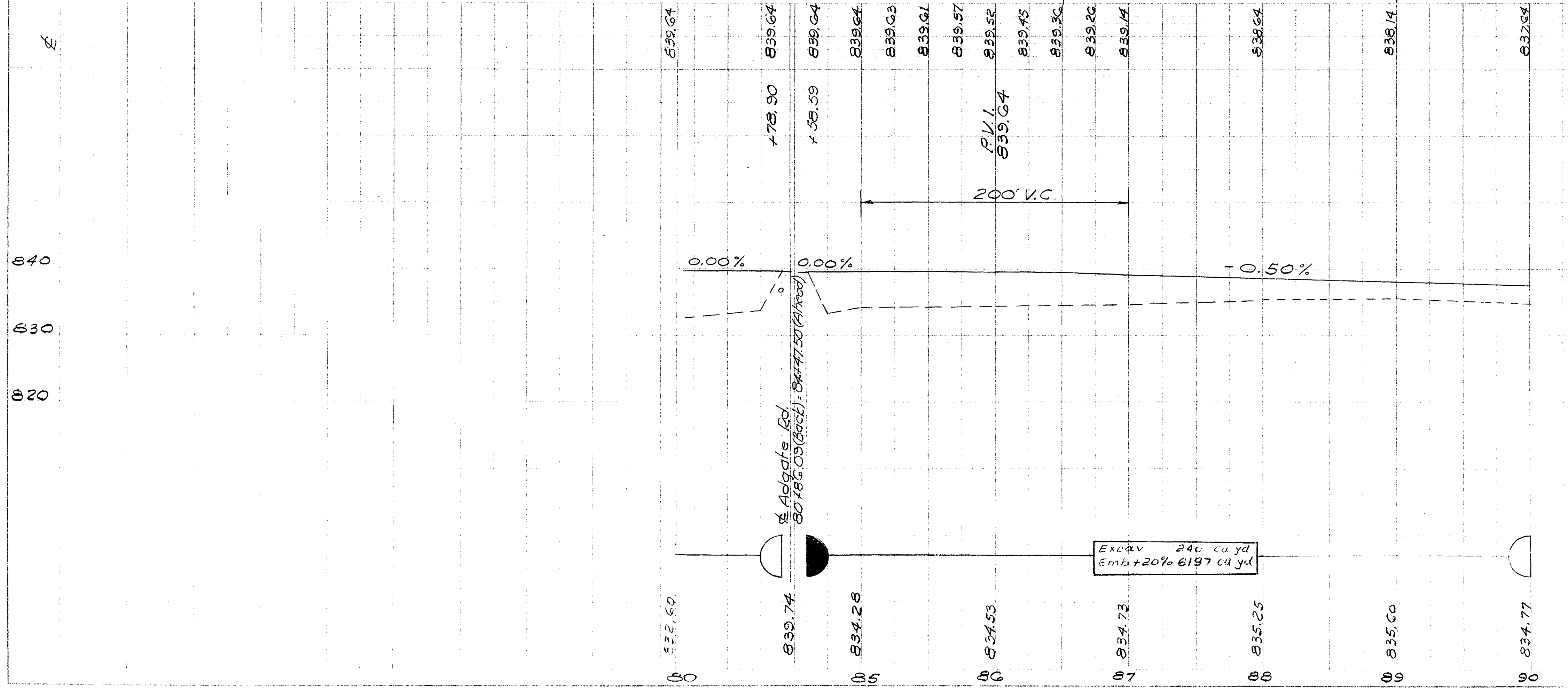
PLAN

PROFILE



For Detail of Intersection No 2-P refer to Sheet No 18-A

B.M. - U365 No 022 on S.W. Corner Spillway, 74' Left Sta. 84+72 Elev. = 832.93

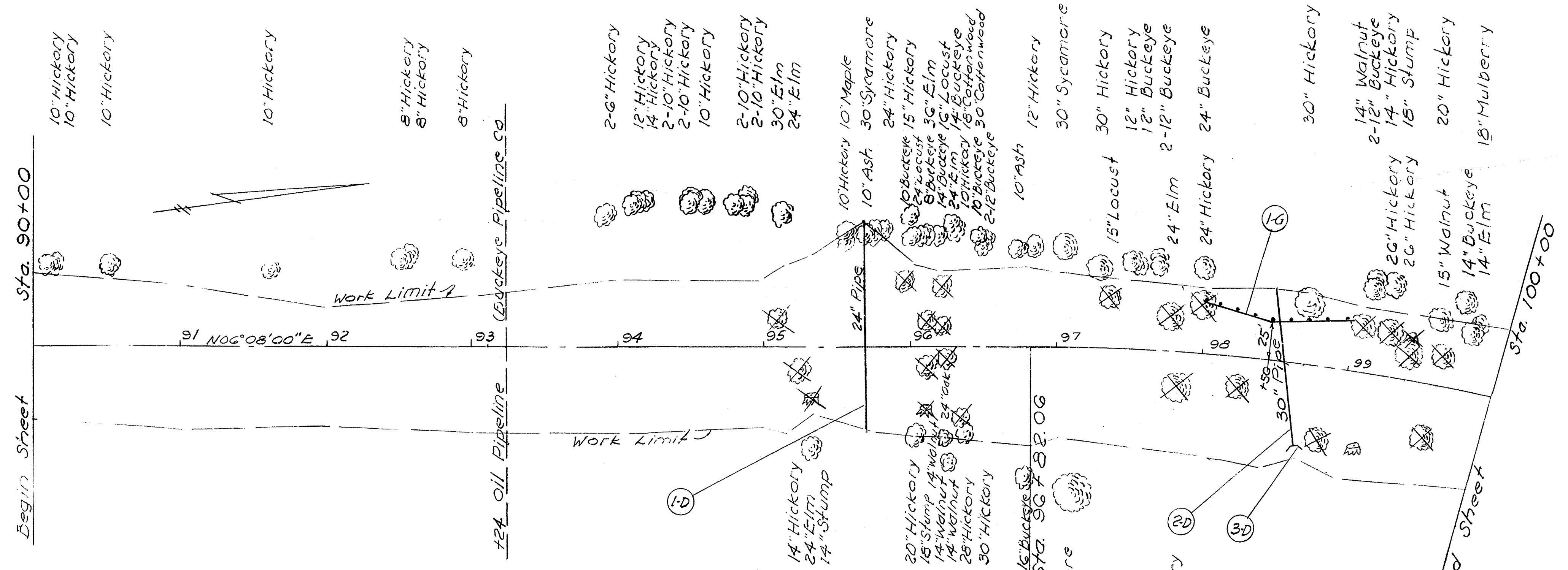


REF. STATION	TYP. STATION	SIDE	DESCRIPTION	Lim. Ft.	Notes
1-G 80+87	84+61	RIGHT	Excav	12.6	
2-G 84+61	84+61	RIGHT	Emb	12.6	
202			Guard Rail Removed for Storage		

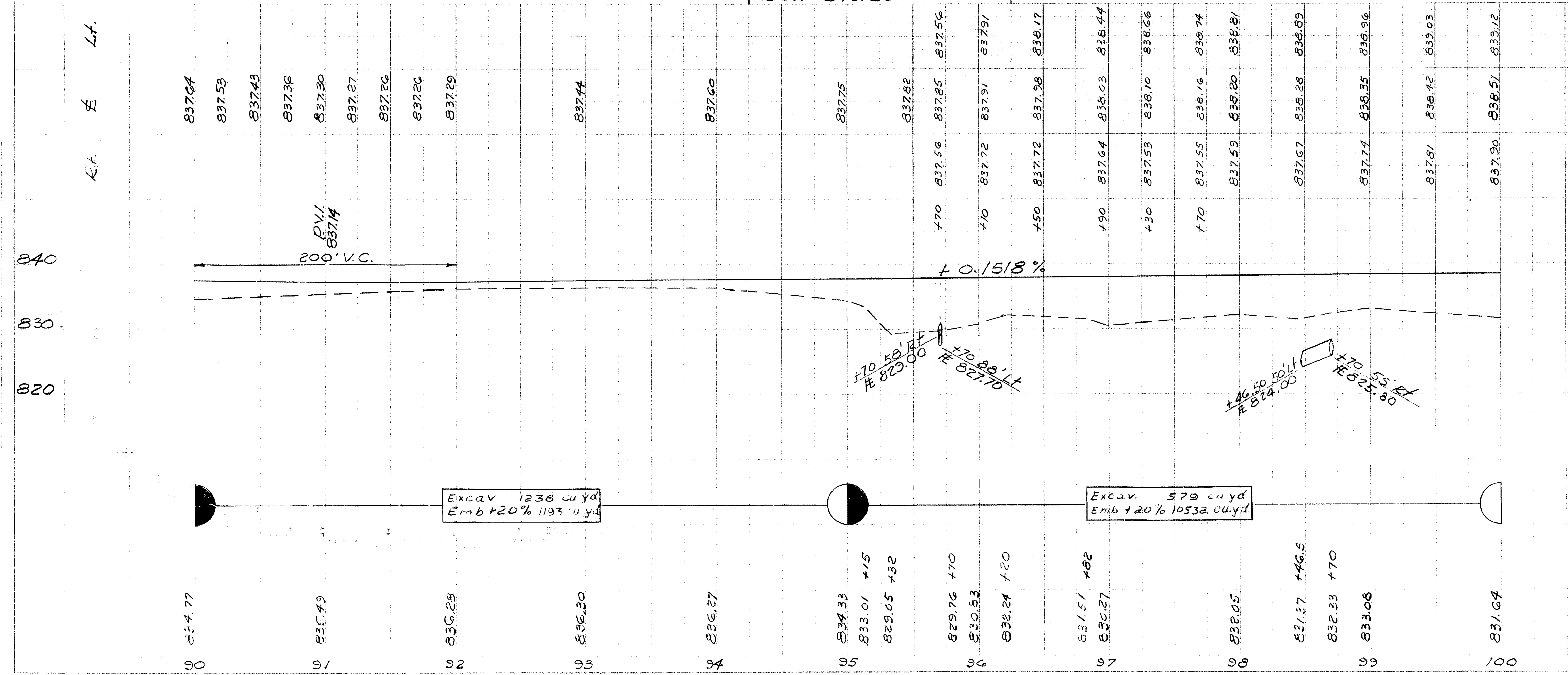
Revised 4-1-69

PLAN AND PROFILE: Sta. 80+00 to Sta. 90+00

PLAN



B.M. - Spike in 20" Hickory
110' Rt. Sta. 99+35
Elev. = 843.85



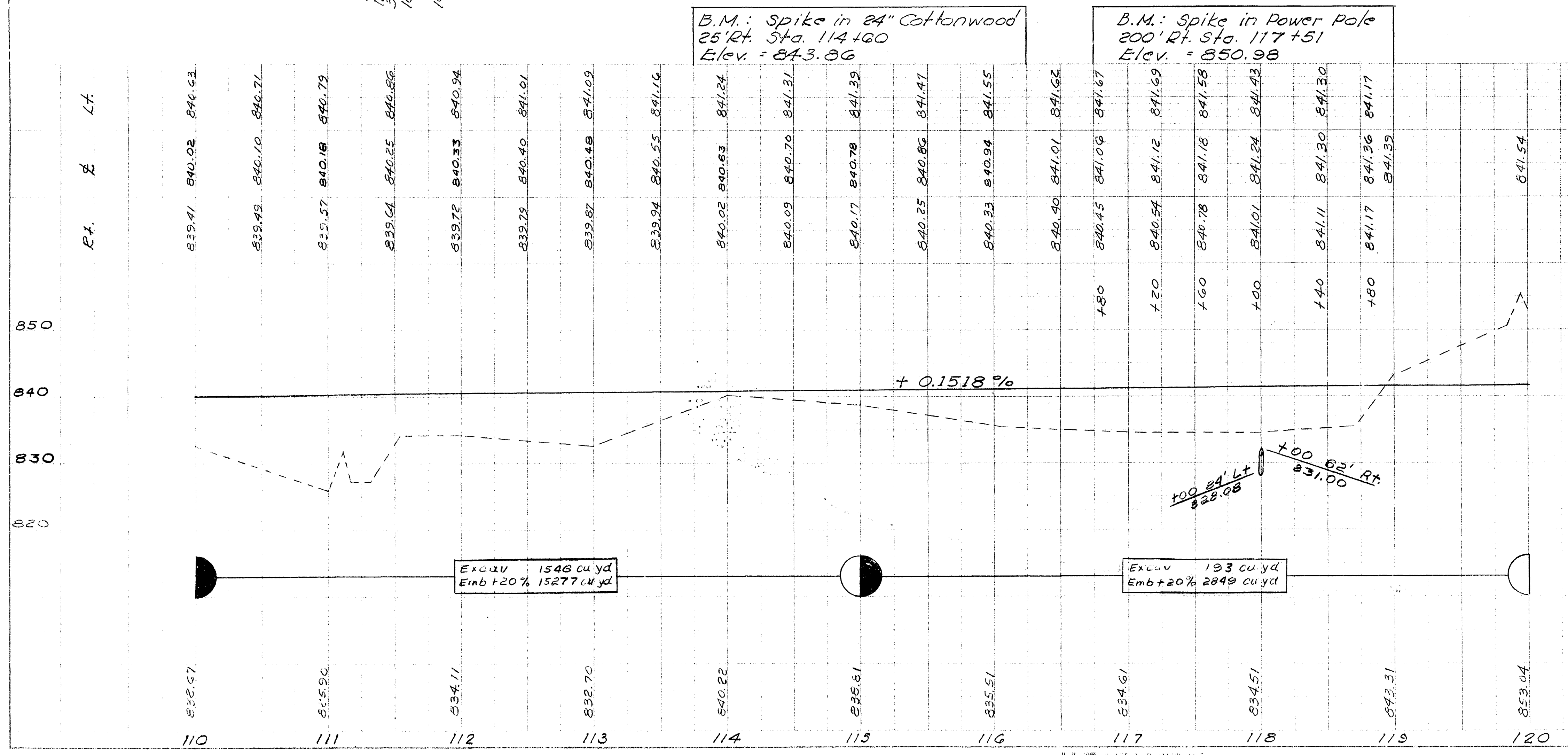
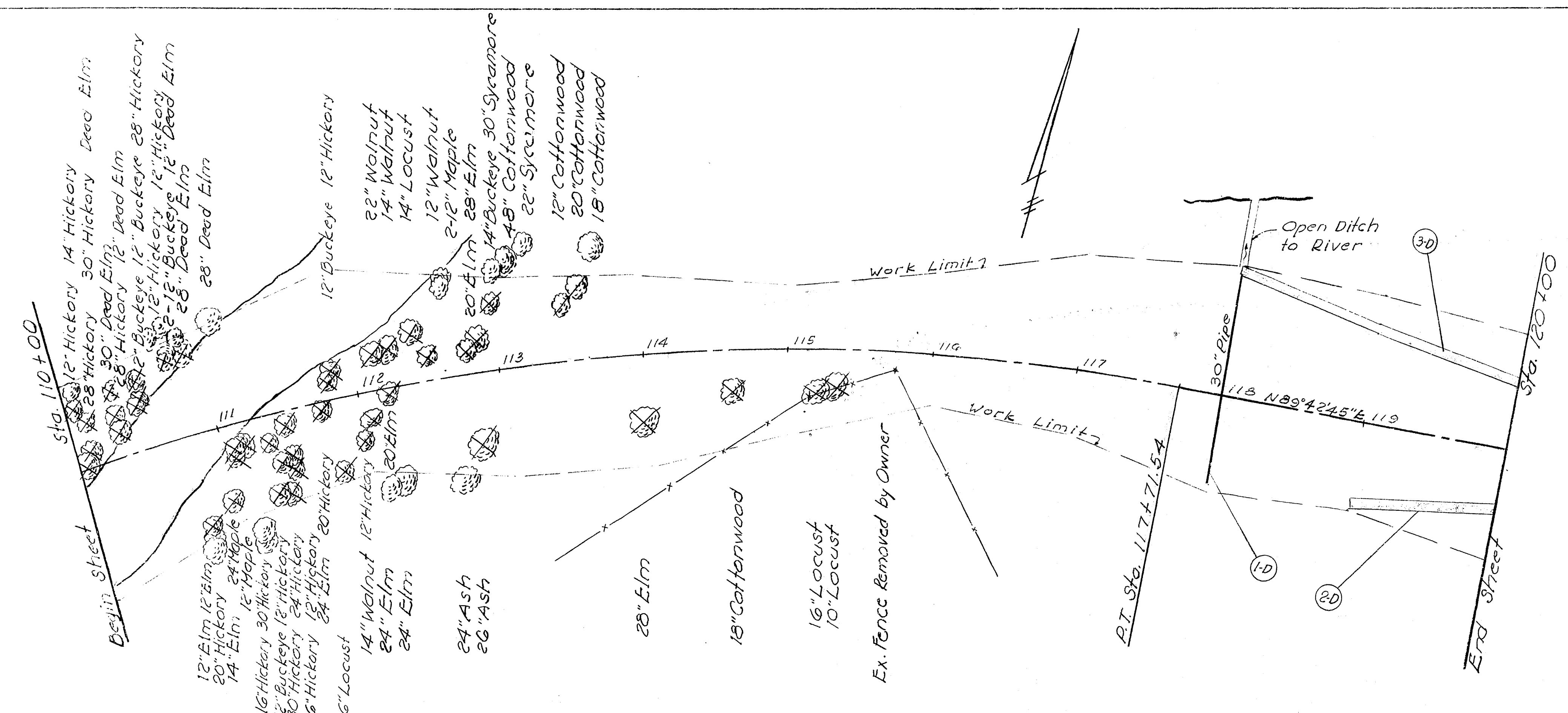
REQ. NO.	STATION TO STATION	SIDE	ITEM	QUANTITY	UNIT
1-D	95+70	R.H.H.	146		
2-D	98+58	R.H.H.	108		
3-D	98+70	Rt.	0.51		
1-C	98+00 to 99+00	Lt.	100		
CARRYING TO GENERAL SUMMARY				146	108
				0.51	100

PLAN AND PROFILE Sta. 90+00 to Sta. 100+00

ALLEN COUNTY
COUNTY ROAD NO 11

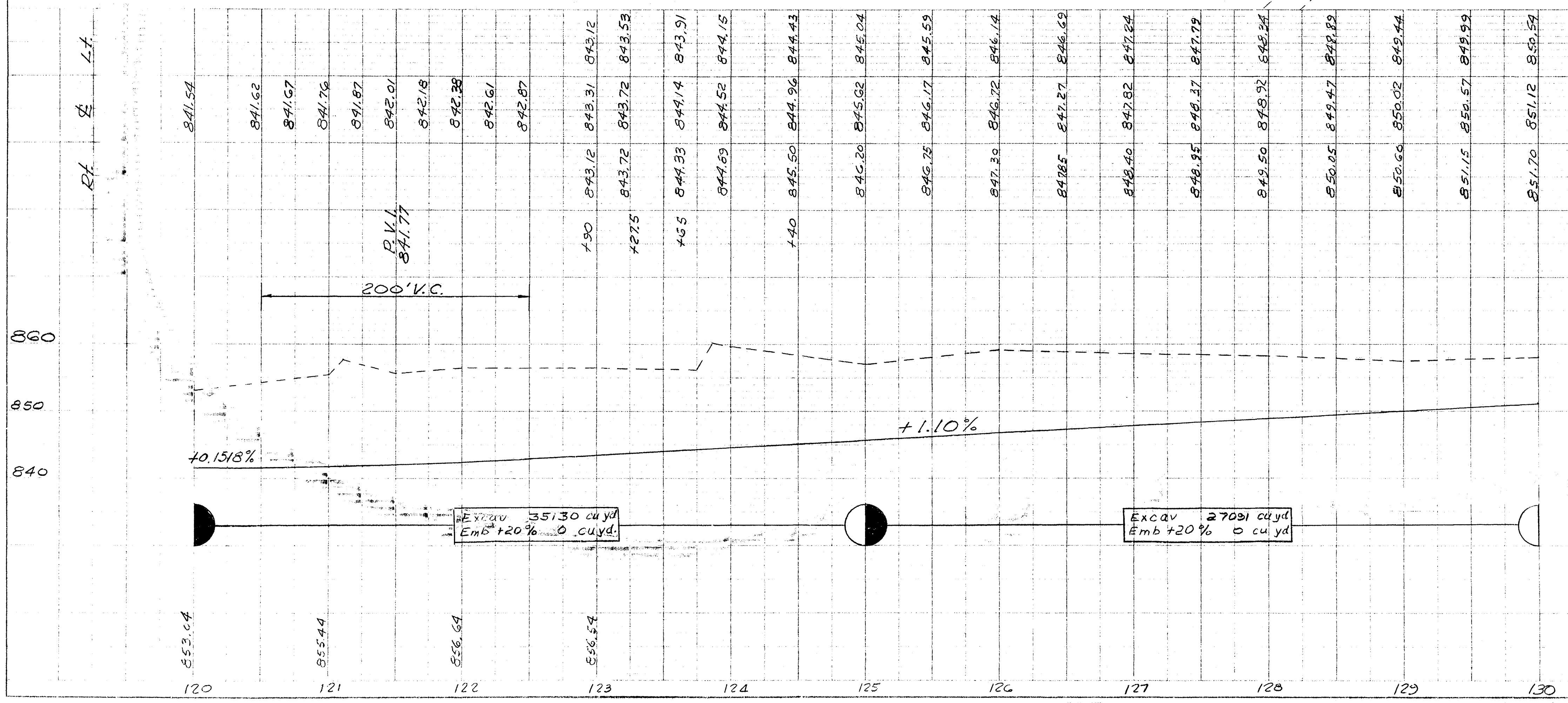
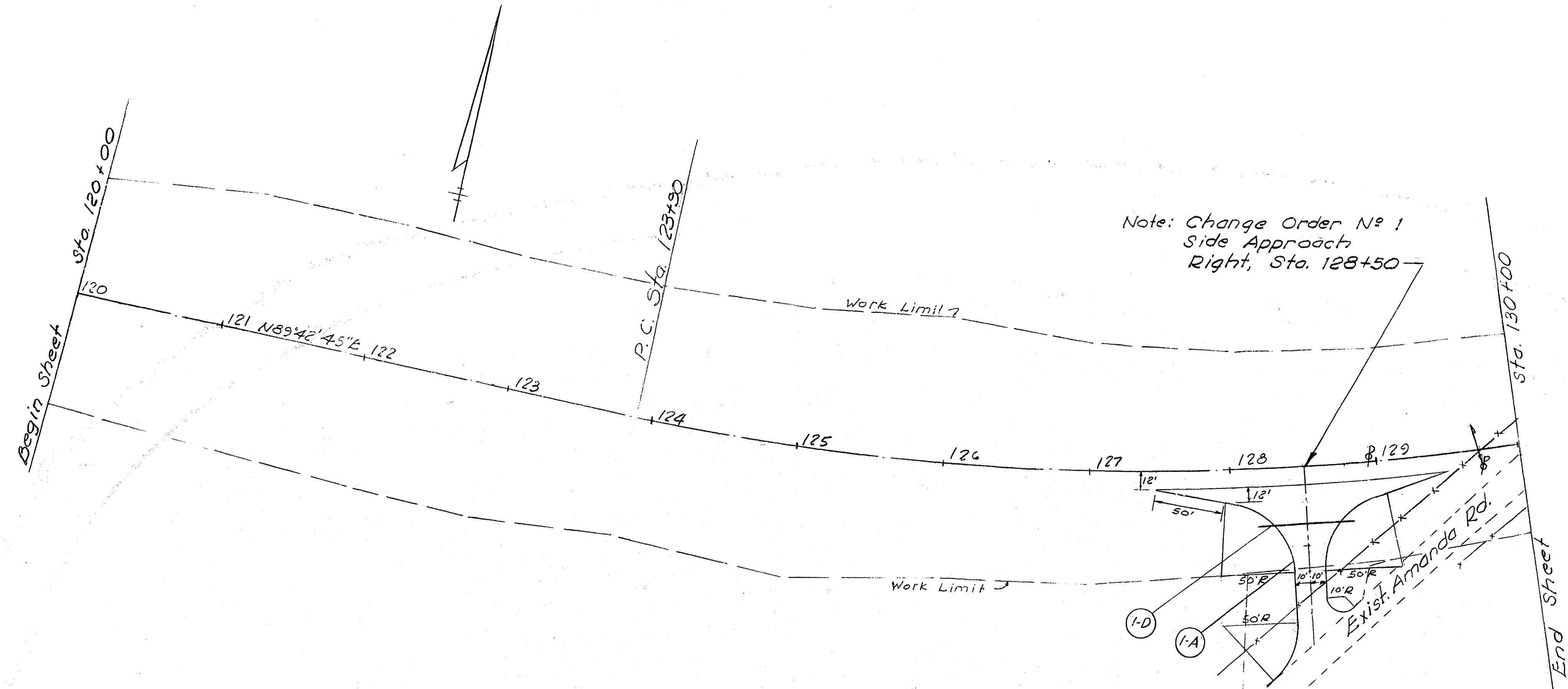
PLAN
DATE: 10/20/68
BY: [Signature]

PROFILE
DATE: 10/20/68
BY: [Signature]



REF. STATION TO STATION SIDE NO.	STATION	DESCRIPTION	AMOUNT	CARRIER TO GENERAL SUMMARY
1-D	118+00	Excav	193	148
2-D	118+00 to 120+00	Emb +20%	2849	200
3-D	118+00 to 120+00	Emb +20%	2849	200
603		30" Concrete So		
660		Stodding		
		Type A		
		72x117x100		
		or 72x108		
		Class B		
		Stodding		
		LIN. FT.		

PLAN AND PROFILE Sta. 110+00 to Sta. 120+00

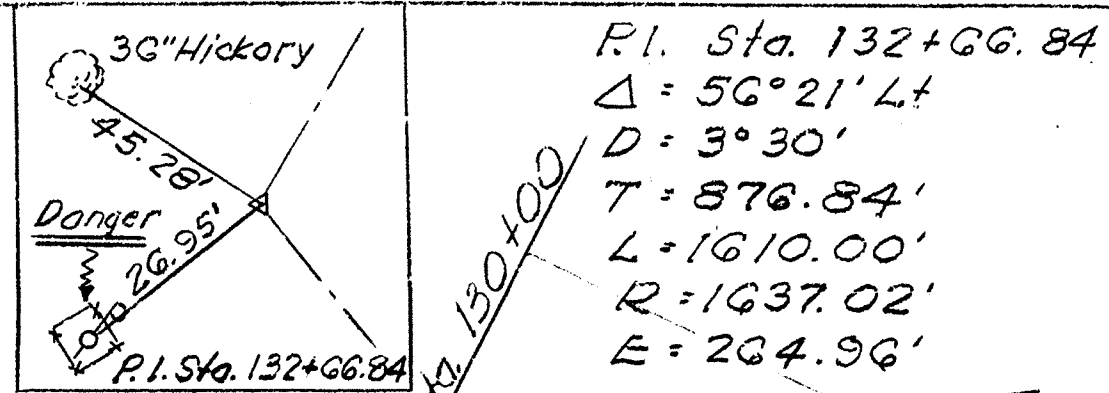


REF. STATION TO STATION, SIDE NO.	ITEM	UNIT	AMOUNT	ITEM	UNIT	AMOUNT
1-A 123+50	RT.			304	Cu. Yd.	188.45
1-D 123+16 to 128+82	RT.			408	Gal.	40.80
				403	Cu. Yd.	35.27
				203	Cu. Yd.	6.53
				659	Ton	0.192
				659	Ton	0.038
				659	Sq. Yd.	426.27

PLAN
NOTE BOOK
NO.

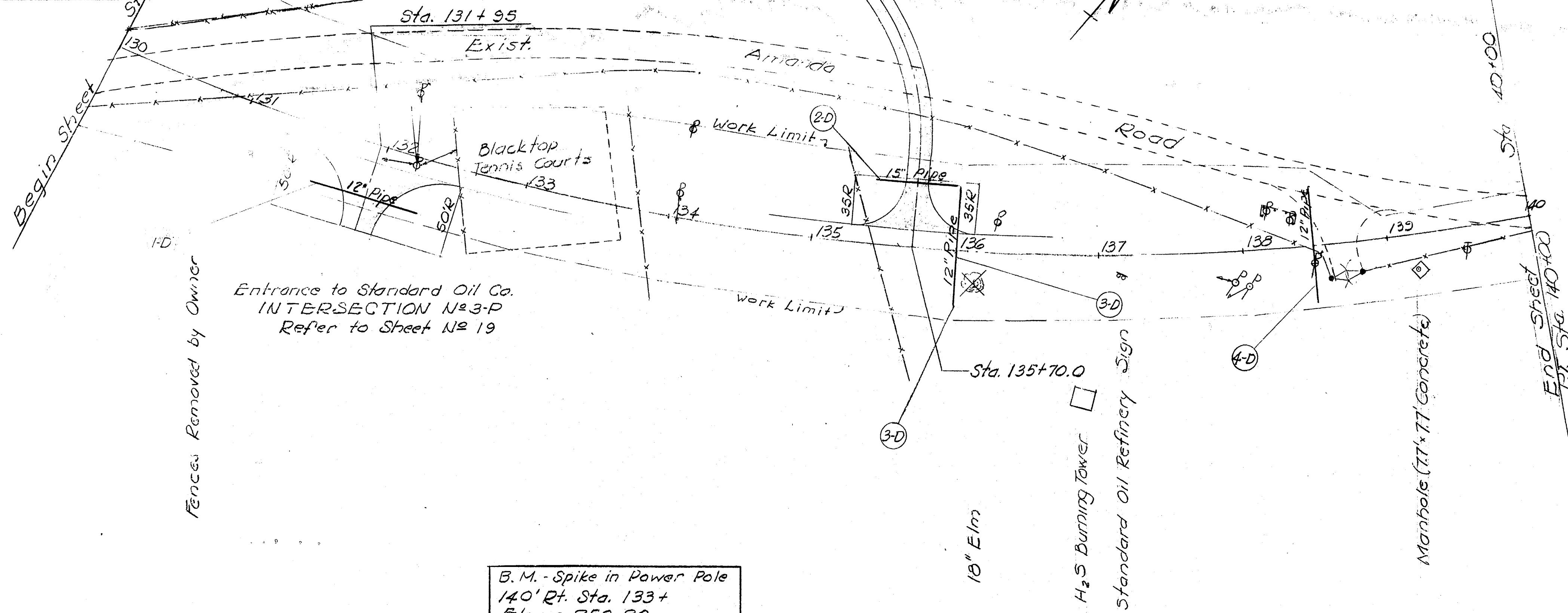
PROFILE
NOTE BOOK
NO.

CARRIED TO
GENERAL SUMMARY
* Change Order No 1

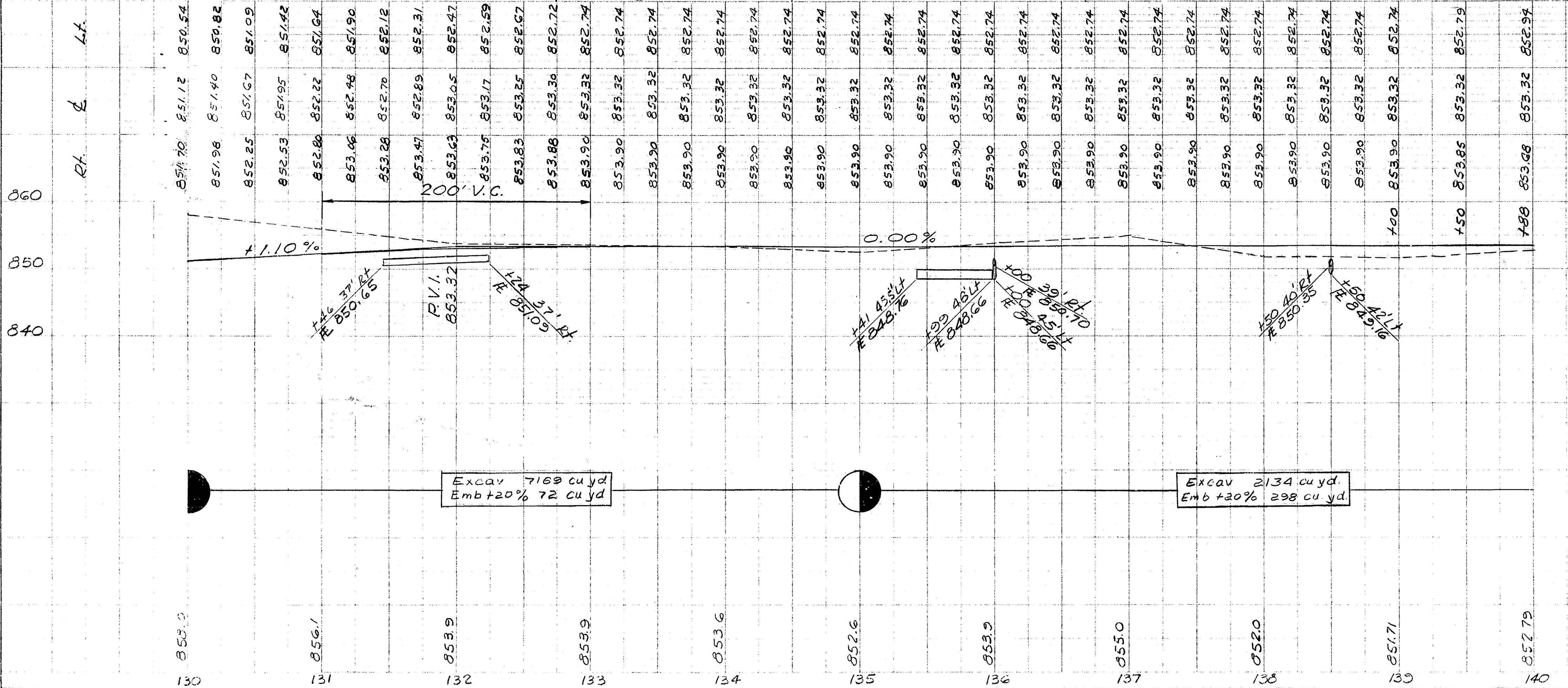


R.I. Sta. 132+GG. 84
 $\Delta = 56^{\circ}21'Lt$
 $D = 3^{\circ}30'$
 $T = 876.84'$
 $L = 1610.00'$
 $R = 1637.02'$
 $E = 264.96'$

Treatment Plant Road
 INTERSECTION N^o 4-P
 Refer to Sheet N^o 19



B.M. - Spike in Power Pole
 140' Rt. Sta. 133+
 Elev. = 856.80



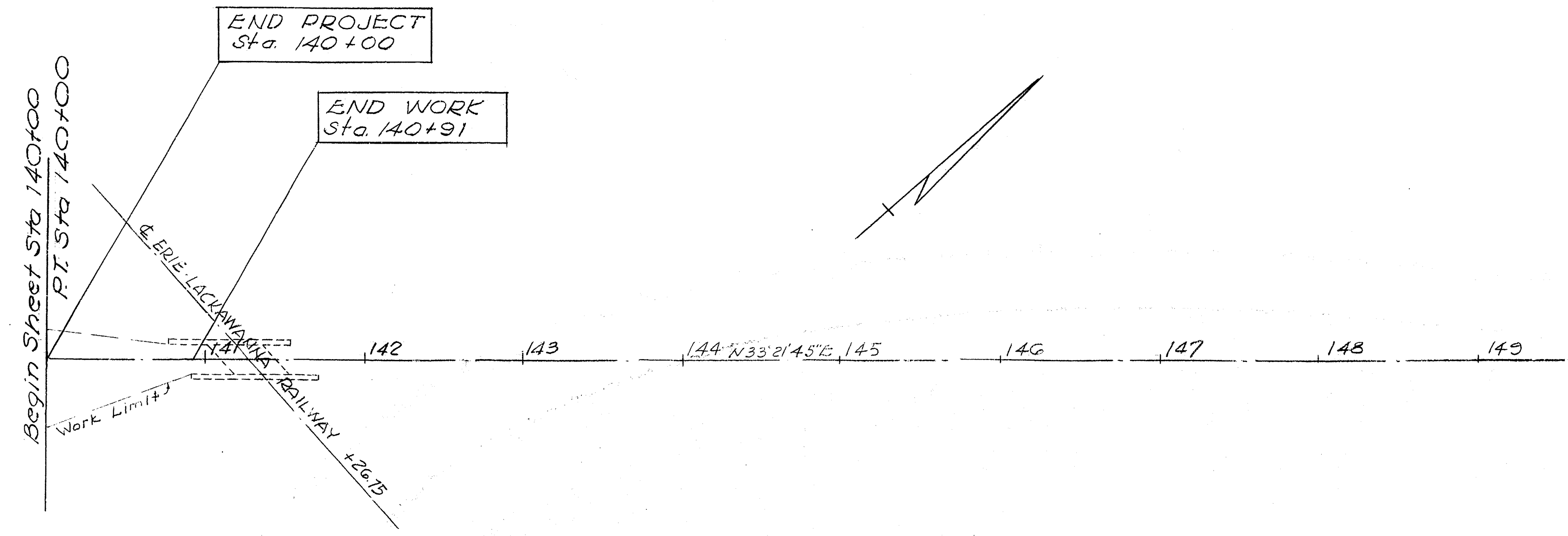
REF. STATION TO STATION SIDE NO.	DESCRIPTION	LENGTH	GENERAL SUMMARY
1-D 131+55 to 132+33	15" Conduit Type A 7x10.08 or 7x10.08 Class B Bedding Lin. ft.	78	244
2-D 132+42 to 135+98	15" Conduit Type A 7x10.08 or 7x10.08 Class B Bedding Lin. ft.	356	
3-D 136+00	Manhole (71'x71' Concrete)	84	
4-D 136+50	Manhole (71'x71' Concrete)	82	
			56

STA. 130+00 TO STA. 140+00

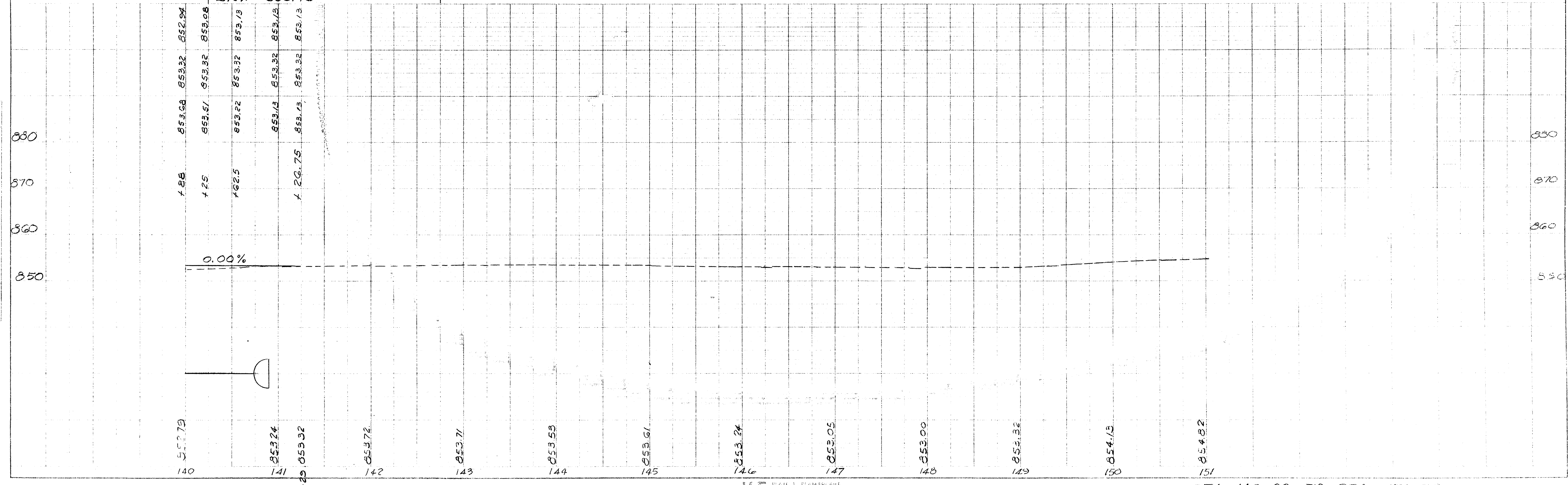
PLAN
 NOTE BOOK NO. 14
 SHEET NO. 54

PROFILE
 NOTE BOOK NO. 14
 SHEET NO. 54

ALLEN COUNTY
COUNTY ROAD NO. 11



D.M. - S.E. Corner of S.W. Wingwall
of Underpass
8' Lt. Sta. 141+01
Elev. = 856.48



STA. 140+00 TO STA. 151+00

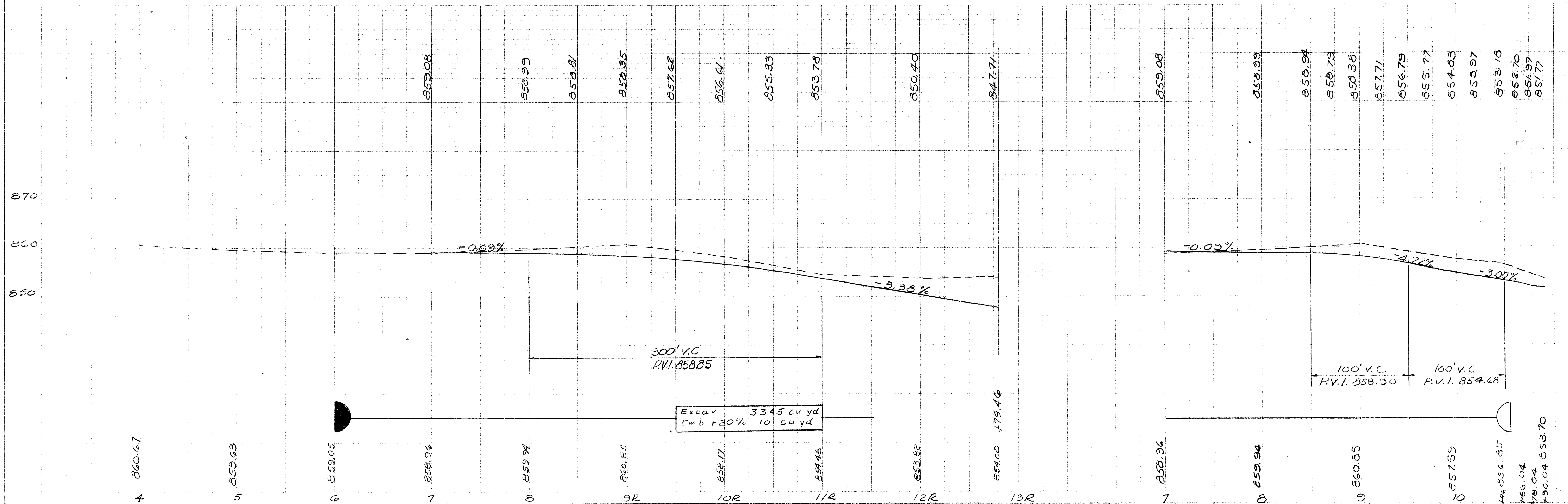
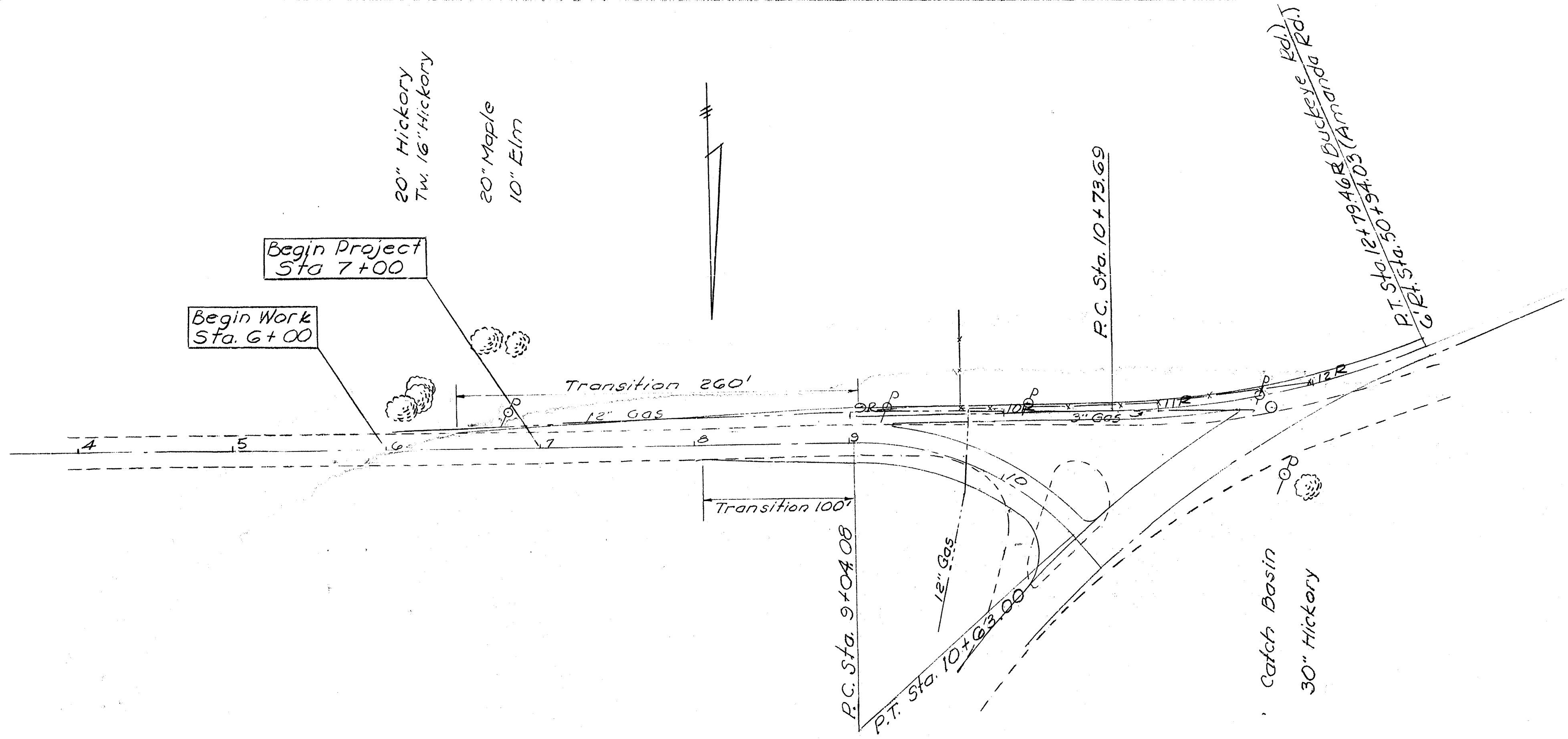
PLAN
NOTE BOOK
NO.

PROFILE
NOTE BOOK
NO.

FED. RD DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

16
54

ALLEN COUNTY
COUNTY ROAD NO. 11



Excav 3345 cu yd
Emb +20% 10 cu yd

BUCKEYE ROAD & EASTBOUND RAMP

PLAN
NOTE BOOK

PROFILE
NOTE BOOK

FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO		1968

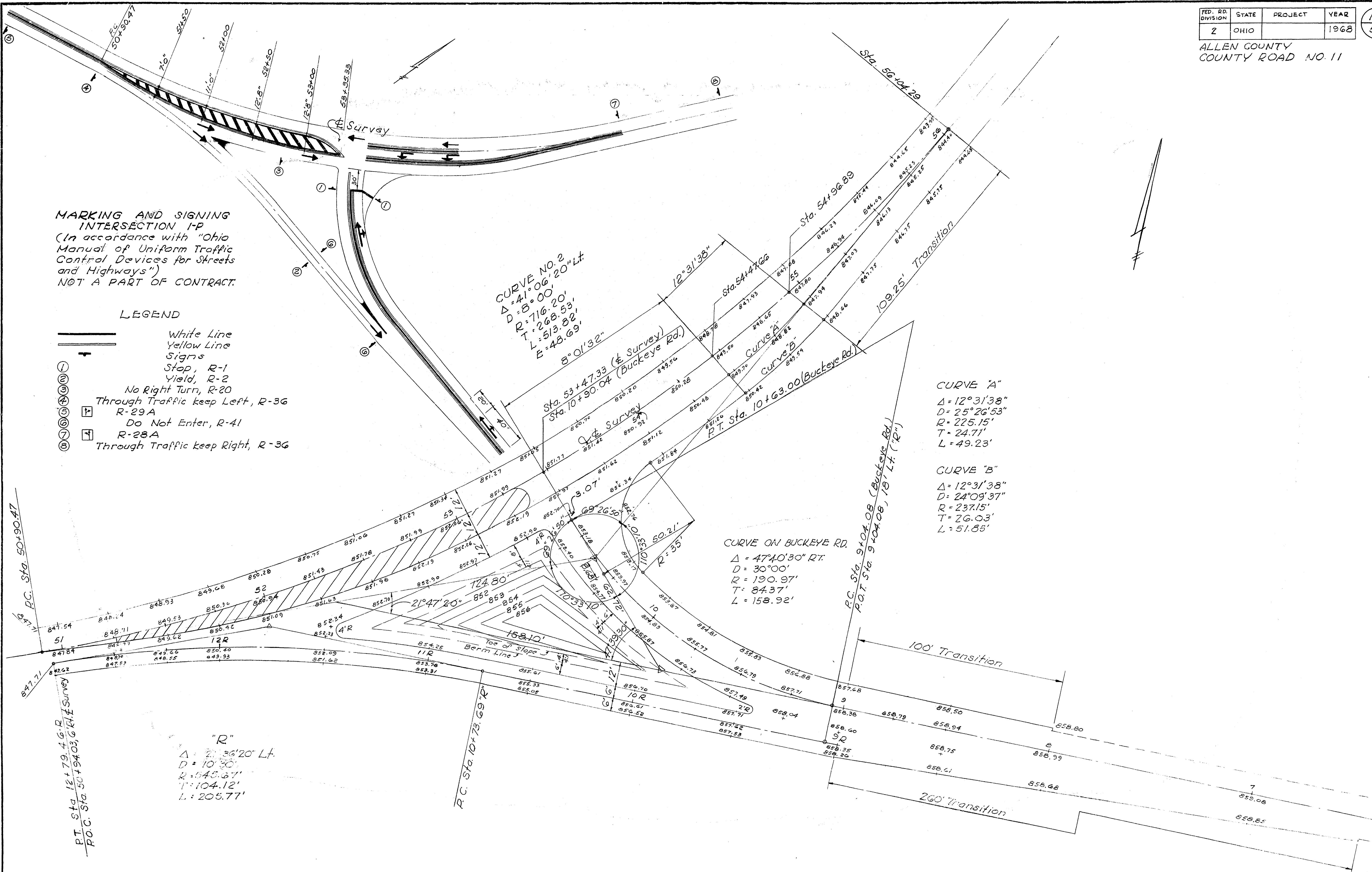
17
54

ALLEN COUNTY
COUNTY ROAD NO. 11

MARKING AND SIGNING
INTERSECTION I-P
(In accordance with "Ohio
Manual of Uniform Traffic
Control Devices for Streets
and Highways")
NOT A PART OF CONTRACT.

LEGEND

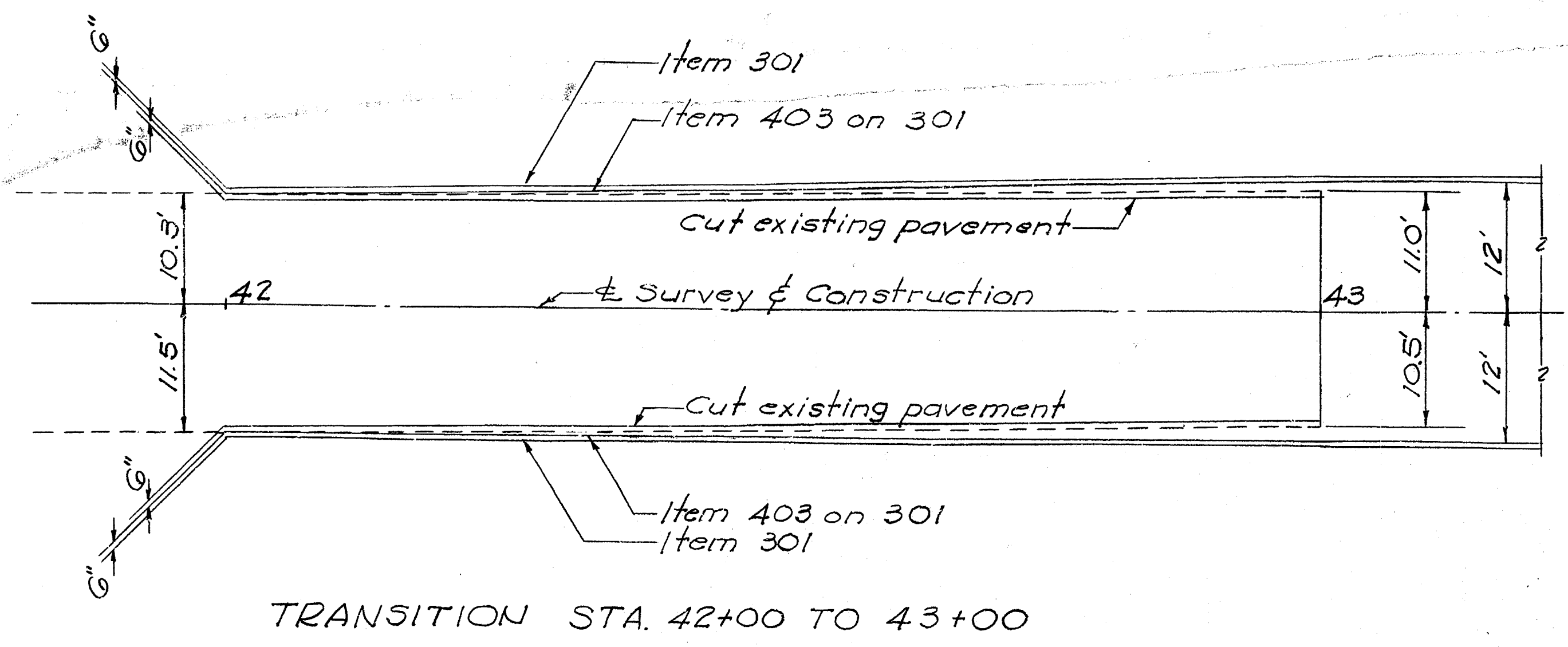
- White Line
- Yellow Line
- Signs
- ① Stop, R-1
- ② Yield, R-2
- ③ No Right Turn, R-20
- ④ Through Traffic keep Left, R-36
- ⑤ R-29A
- ⑥ Do Not Enter, R-41
- ⑦ R-28A
- ⑧ Through Traffic keep Right, R-36



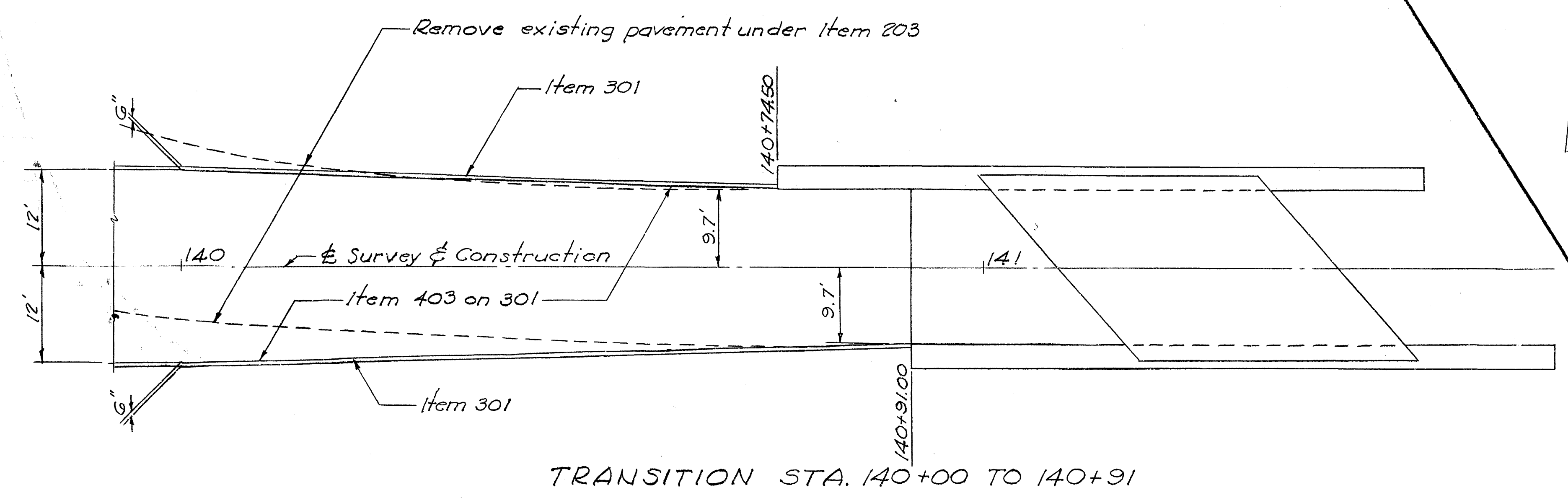
FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

18
54

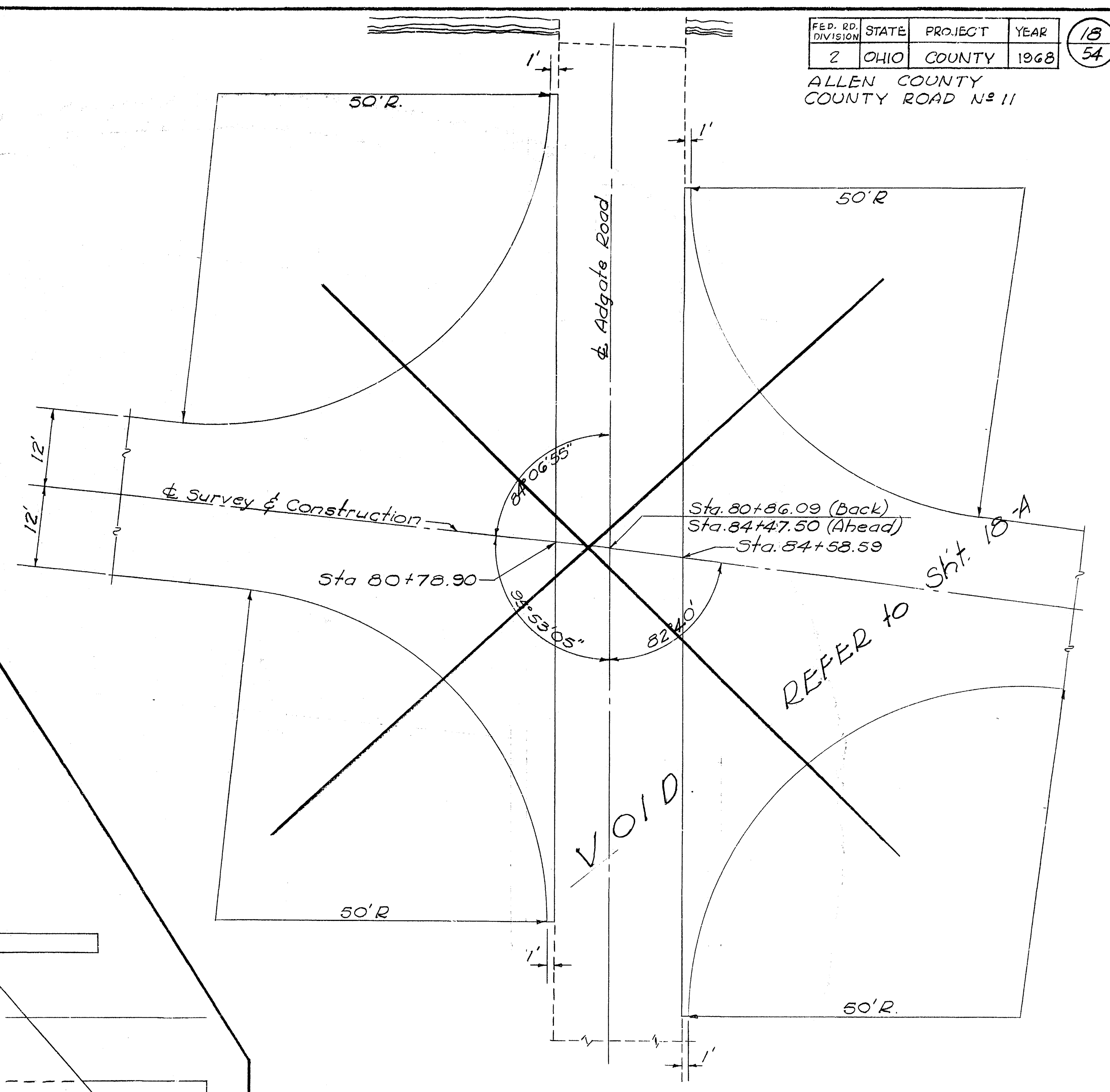
ALLEN COUNTY
COUNTY ROAD N^o 11



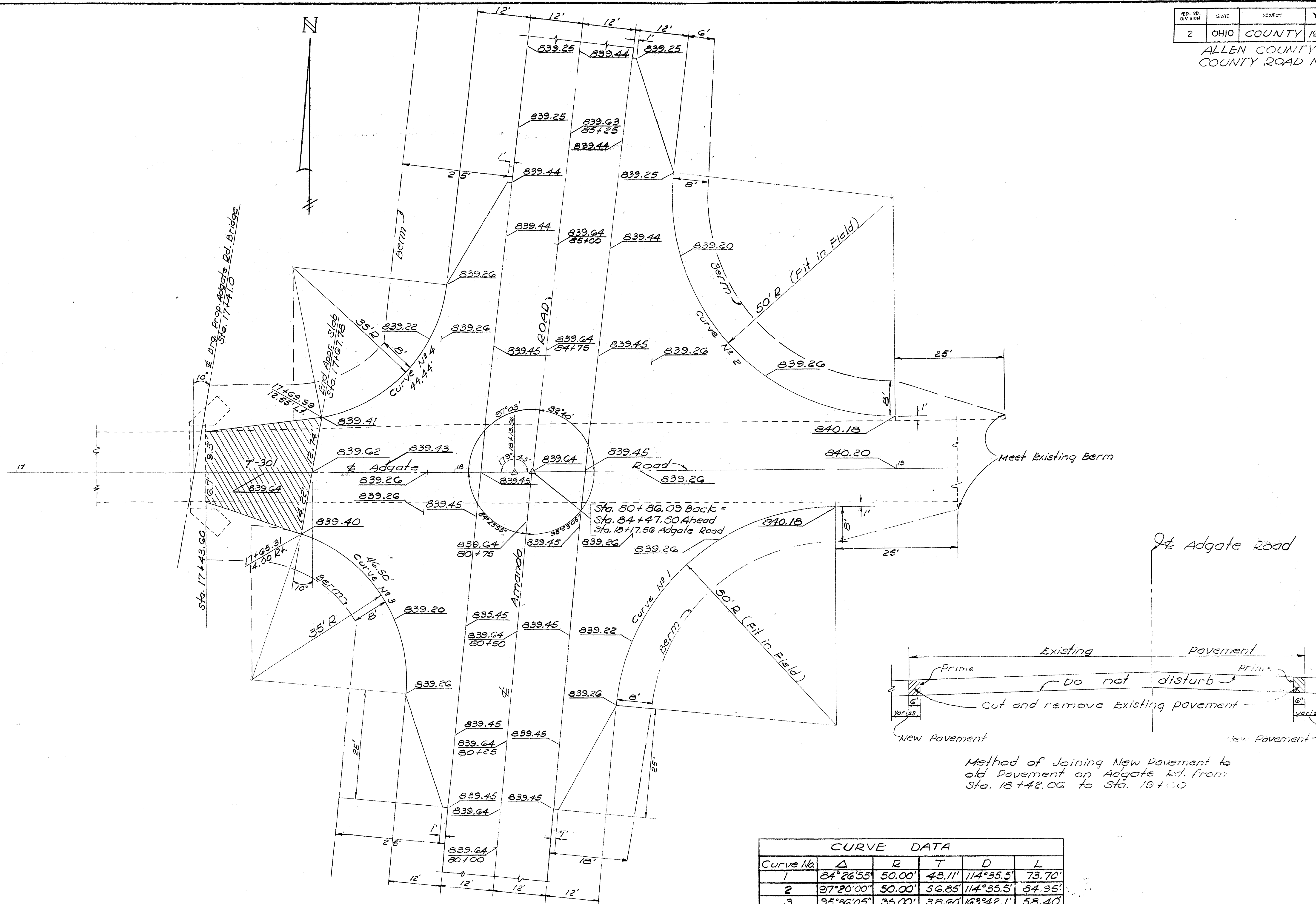
TRANSITION STA. 42+00 TO 43+00



TRANSITION STA. 140+00 TO 140+91



INTERSECTION 2-P

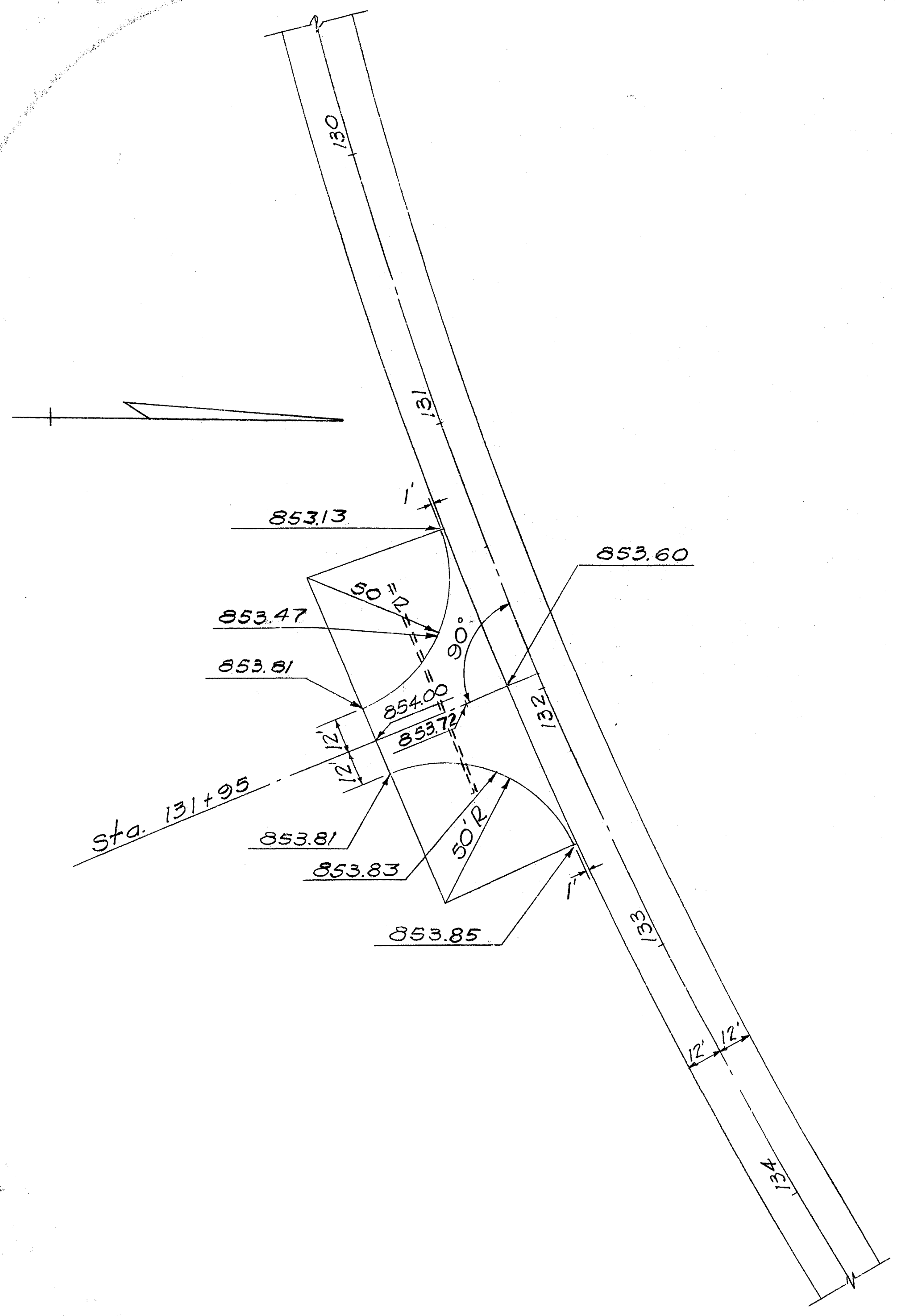


Curve No.	Δ	R	T	D	L
1	84°26'55"	50.00'	43.11'	114°35.5'	73.70'
2	97°20'00"	50.00'	56.85'	114°35.5'	84.95'
3	95°36'05"	35.00'	38.60'	163°42.1'	58.40'
4	82°57'05"	35.00'	30.93'	163°42.1'	50.67'

Method of Joining New Pavement to old Pavement on Adgate Rd. from Sta. 18+42.06 to Sta. 19+00

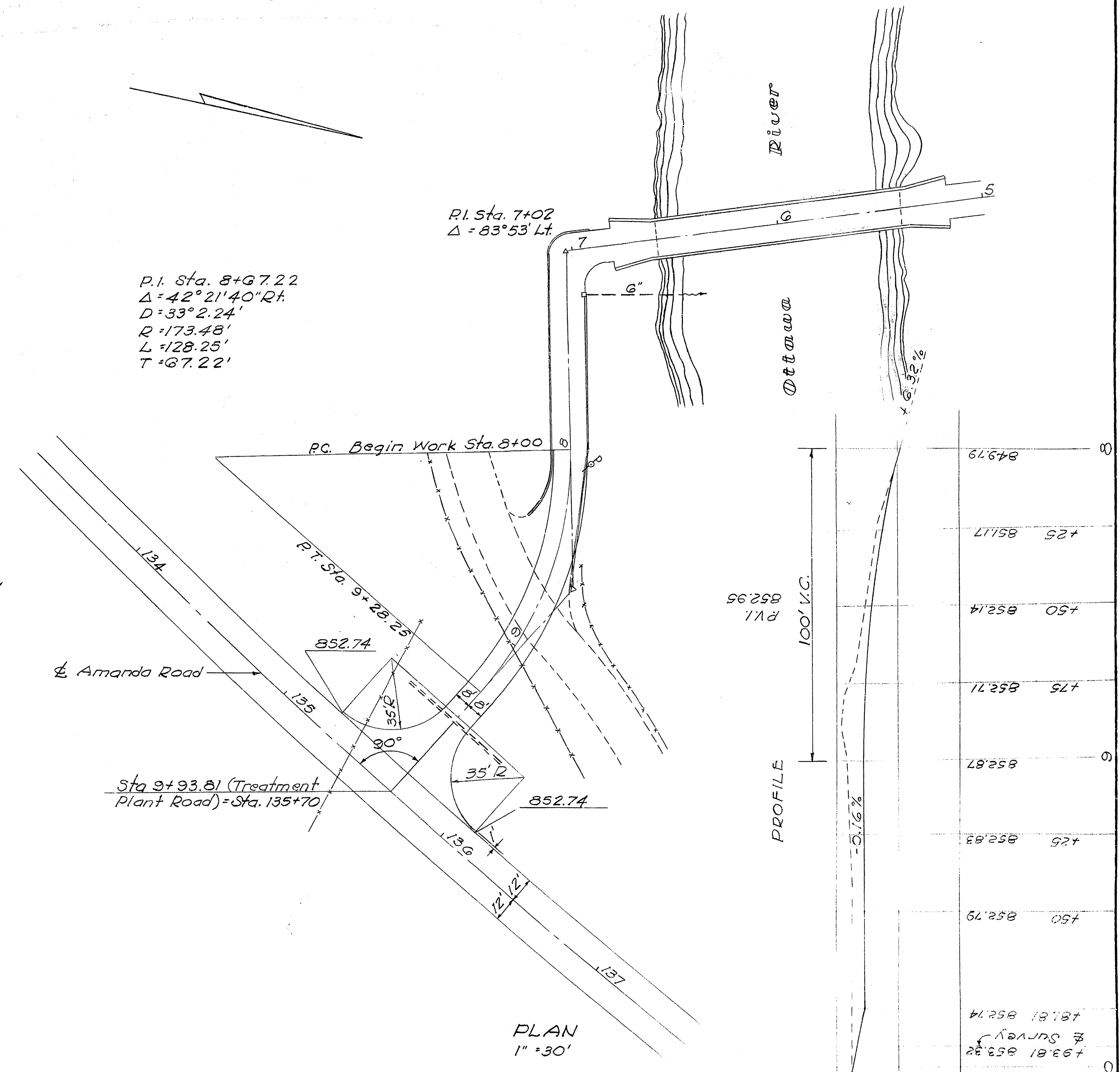
Revised 4-10-69

Intersection 2-P



PLAN
1" = 30'

INTERSECTION No 3-P
(STANDARD OIL COMPANY)

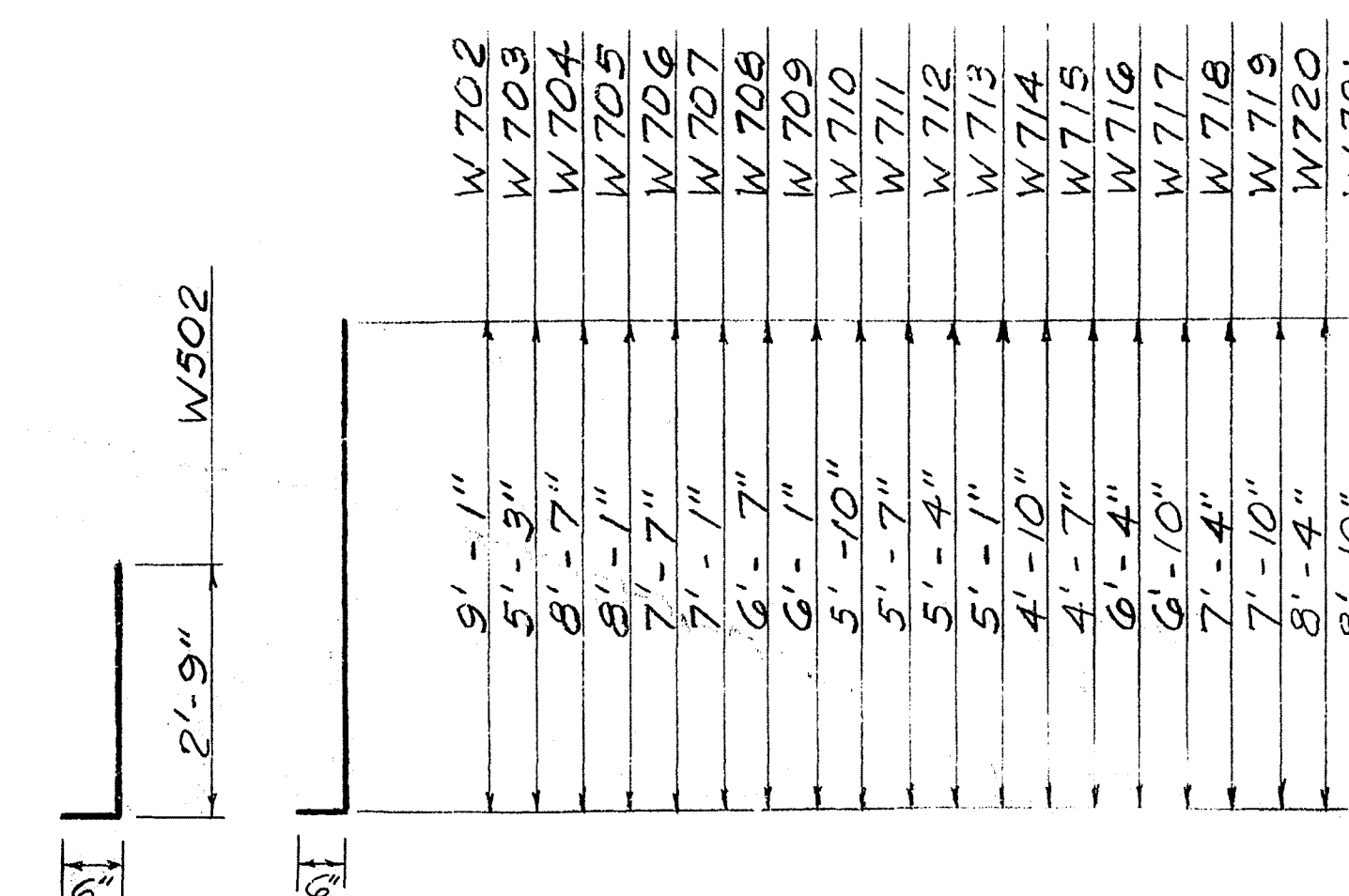


PLAN
1" = 30'

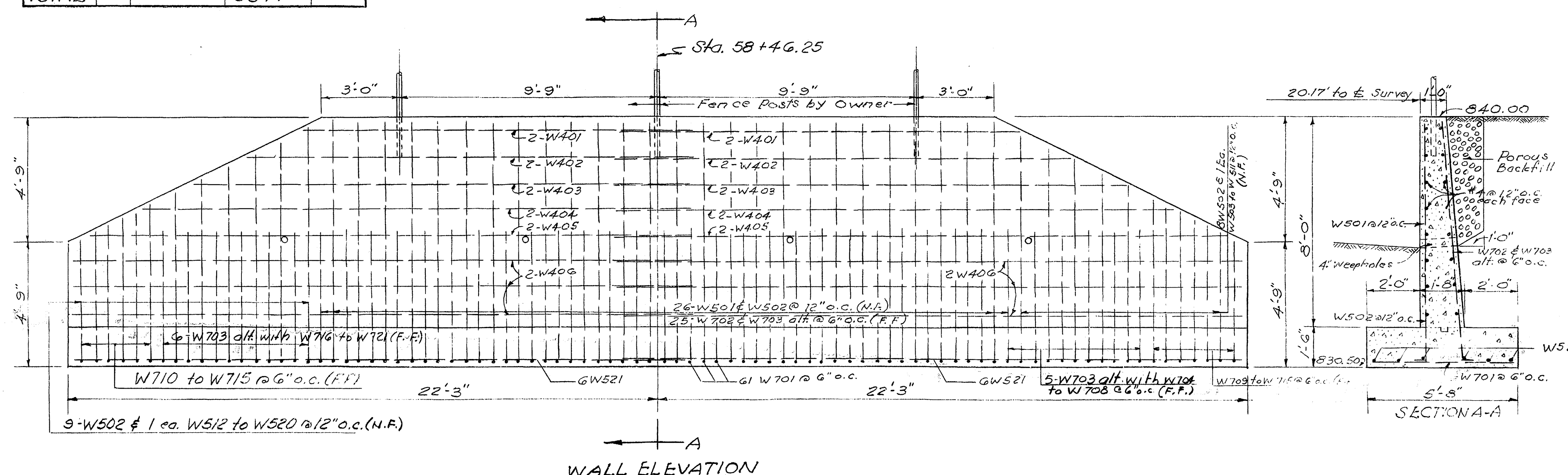
INTERSECTION No 4-P

REINFORCING STEEL LIST				
MARK	NO.	LENGTH	WEIGHT	SHAPE
W401	4	14'-2"	38	S
W402	4	16'-2"	43	
W403	4	18'-2"	49	
W404	4	20'-2"	61	
W405	4	22'-2"	66	
W406	12	22'-8"	182	S
W501	26	7'-10"	212	S
W502	43	3'-3"	146	B
W503	1	7'-4"	8	S
W504	1	6'-10"	7	
W505	1	6'-4"	7	
W506	1	5'-10"	6	
W507	1	5'-4"	6	
W508	1	4'-10"	5	
W509	1	4'-4"	5	
W510	1	3'-10"	4	
W511	1	3'-4"	3	
W512	1	3'-7"	4	
W513	1	4'-1"	4	
W514	1	4'-7"	5	
W515	1	5'-1"	5	
W516	1	5'-7"	6	
W517	1	6'-1"	6	
W518	1	6'-7"	7	
W519	1	7'-1"	7	
W520	1	7'-7"	8	
W521	12	22'-10"	286	S
W701	88	5'-2"	930	S
W702	25	9'-7"	490	B
W703	37	5'-9"	435	
W704	1	9'-1"	19	
W705	1	8'-7"	18	
W706	1	8'-1"	17	
W707	1	7'-7"	15	
W708	1	7'-1"	14	
W709	1	6'-7"	13	
W710	2	6'-4"	26	
W711	2	6'-1"	25	
W712	2	5'-10"	24	
W713	2	5'-7"	23	
W714	2	5'-4"	22	
W715	2	5'-1"	21	
W716	1	6'-10"	14	
W717	1	7'-4"	15	
W718	1	7'-10"	16	
W719	1	8'-4"	17	
W720	1	8'-10"	18	
W721	1	9'-4"	19	B
TOTAL			3377	

BENDING DIAGRAM



ESTIMATED QUANTITIES			
ITEM	QUANTITY	UNIT	DESCRIPTION
503	60	C.Y.	Unclassified Excavation
509	3377	Lb.	Reinforcing Steel
511	29	C.Y.	Class "C" Concrete
518	8	C.Y.	Porous Backfill



STA. 58 +46.25, RT.

RETAINING WALL

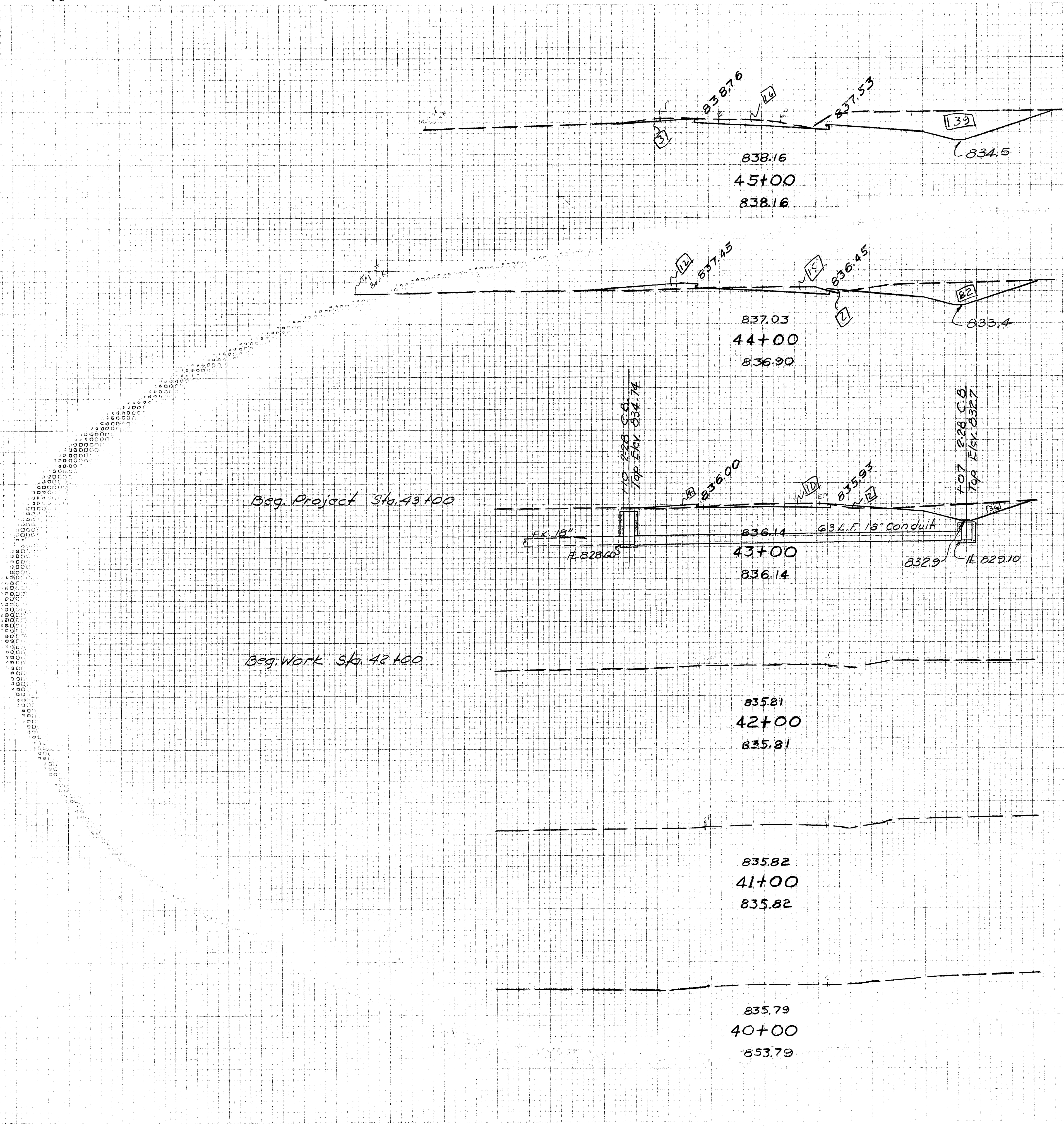
130 120 110 100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

FED. RD. DIVISION	STATE	PROJECT	YEAR	(21) 54
2	OHIO	COUNTY	1968	

ALLEN COUNTY
COUNTY ROAD No 11

End Area	Cu yds.	
	Exc	Emb
158	633	2
472	13	
97	14	
265	37	
46	6	
85	6	
00	00	

Seeding	Width	Sq yd
59	794	
63	678	
68	628	
72	50	
76	279	
80	0	



130 120 110 100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 Cross Sections Sta 40+00 to 45+00

FINAL SURVEY
NOTE BOOK
NO.

DATE: 11/2/68
D.B.

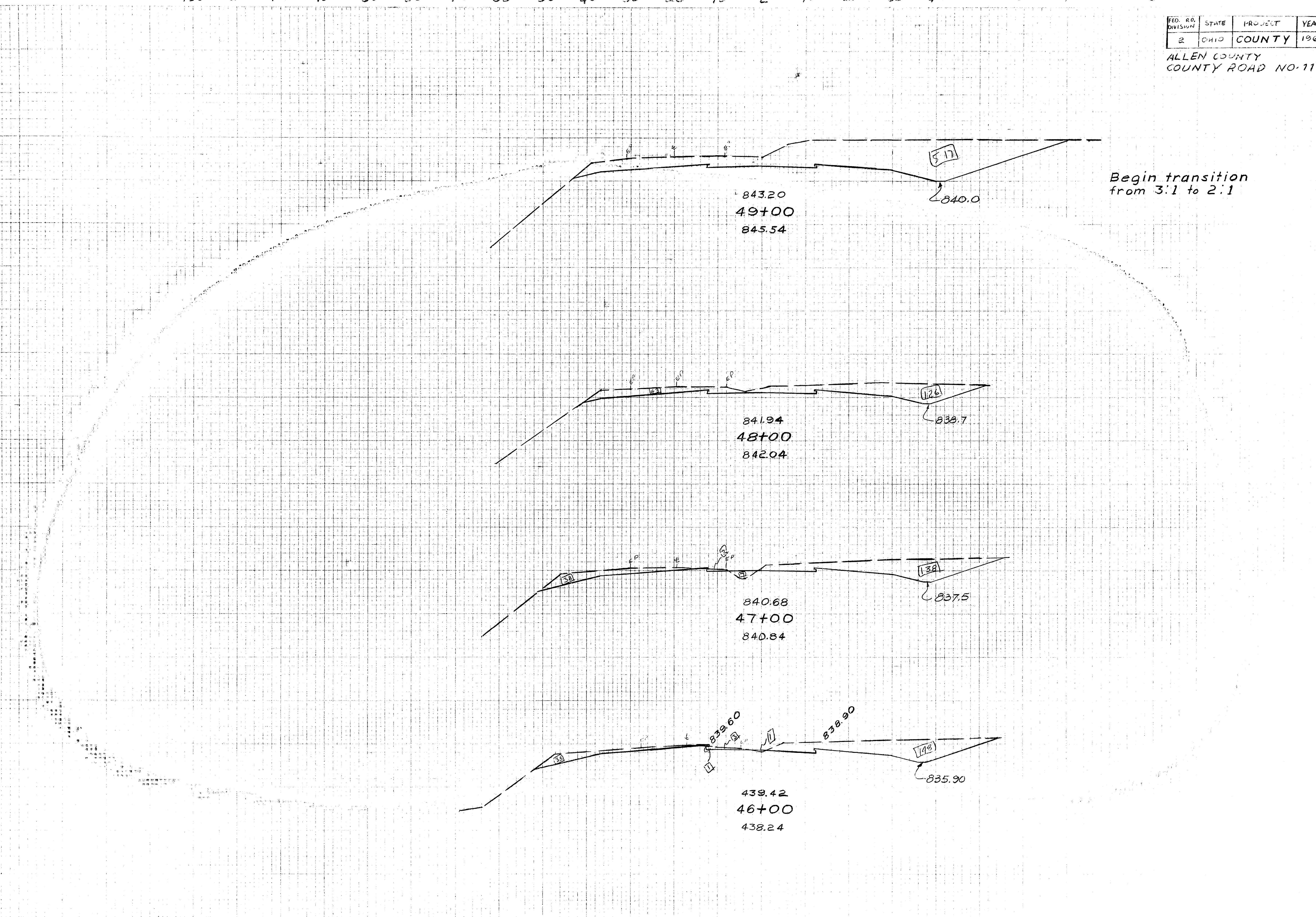
130 120 110 100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

ALLEN COUNTY
COUNTY ROAD NO. 11

22
54

End Area		Cu yds	
Exc	Emb	Exc	Emb
517		2717	
1270			
169			
643	6		
178	7		
670	17		
184	2		



Seeding	Width	Sq yd
1089		
91		
883		
66		
844		
84		
933		
84		

130 120 110 100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 Cross Sections Sta 46+00 to 49+00

FINAL SURVEY NOTE BOOK NO.

ORIGINAL SURVEY NOTE BOOK NO.

130 120 110 100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

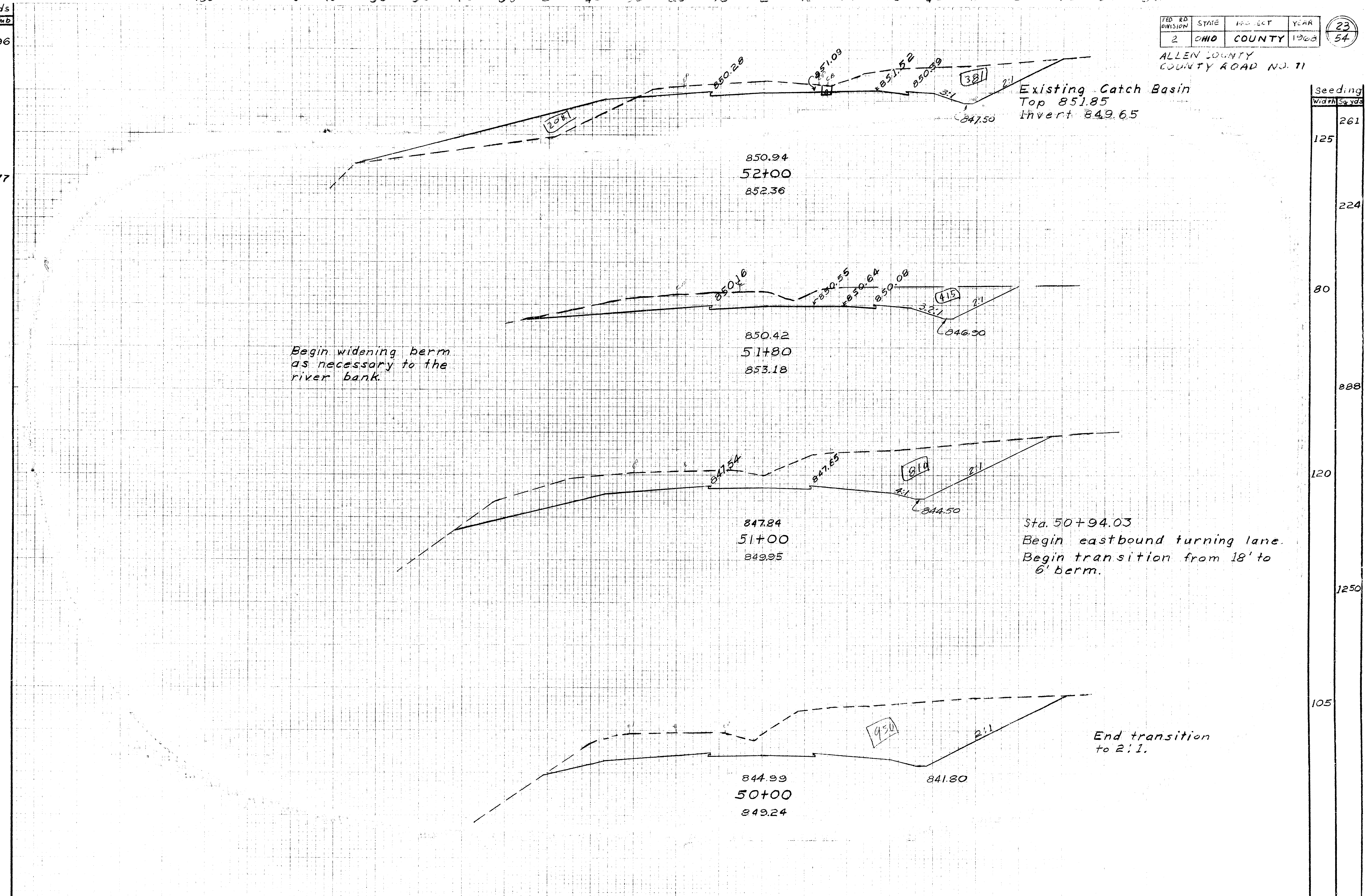
FED. RD DIVISION	STATE	PROJECT	YEAR	23 54
2	OHIO	COUNTY	1968	

ALLEN COUNTY
COUNTY ROAD NO. 71

End Area		CU yds	
Exc	Emb	Exc	Emb
		275	96
381	208		
		294	77
415			
		1815	
810			
		3259	
950			

FINAL SURVEY NOTE BOOK NO.

ORIGINAL SURVEY NOTE BOOK NO.



Seeding	
Width	Seeds
261	
125	
224	
80	
888	
120	
1250	
105	

130 120 110 100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 Cross Sections Sta. 50+00 to 52+00

130 120 110 100 90 80 70 60 50 40 30 20 10 ± 10 20 30 40 50 60 70 80 90

FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

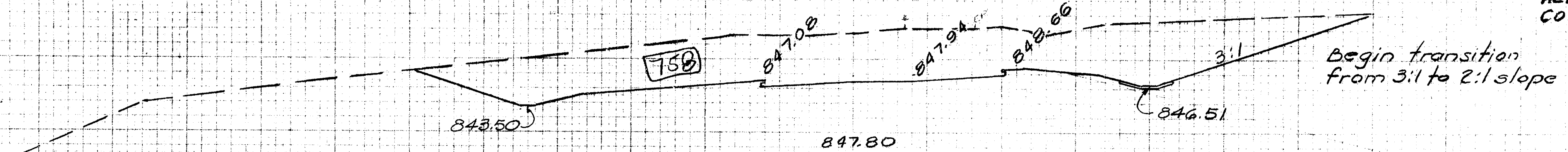
24
54

ALLEN COUNTY
COUNTY ROAD NO. 11

End Area	Cu. yds
Exc	Emb
758	3145
1811	1
220	1
767	1
239	
274	
131	
148	
212	

FINAL SURVEY
NOTE BOOK
NO.

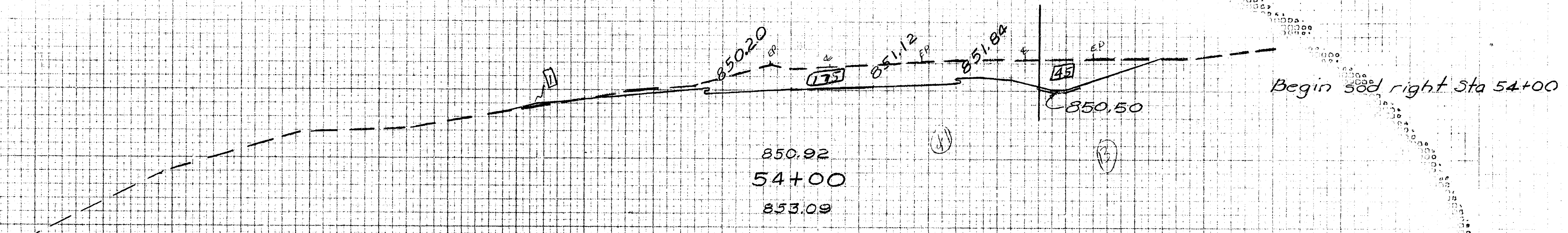
ORIGINAL SURVEY
NOTE BOOK
NO.



847.80
55+00
853.60

Begin transition
from 3:1 to 2:1 slope

Seeding Width	Sq. yd
91	1194
806	

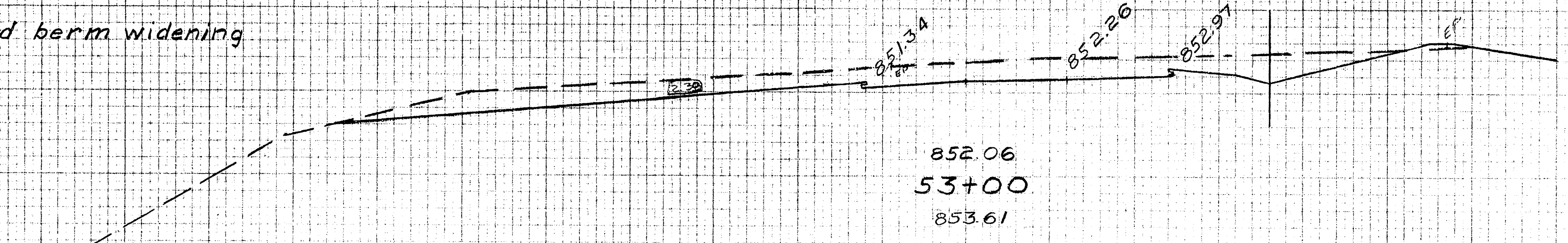


850.92
54+00
853.09

Begin seed right Sta 54+00

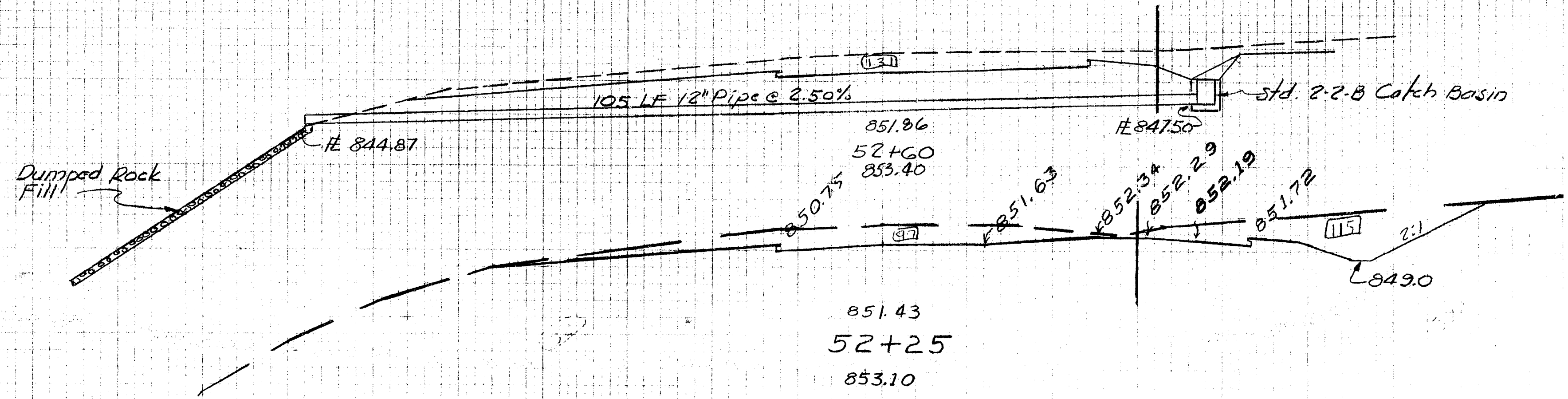
54	
644	

End berm widening



852.06
53+00
853.61

75	
284	



851.43
52+25
853.10

std. 2-2-B Catch Basin

53	
169	
63	

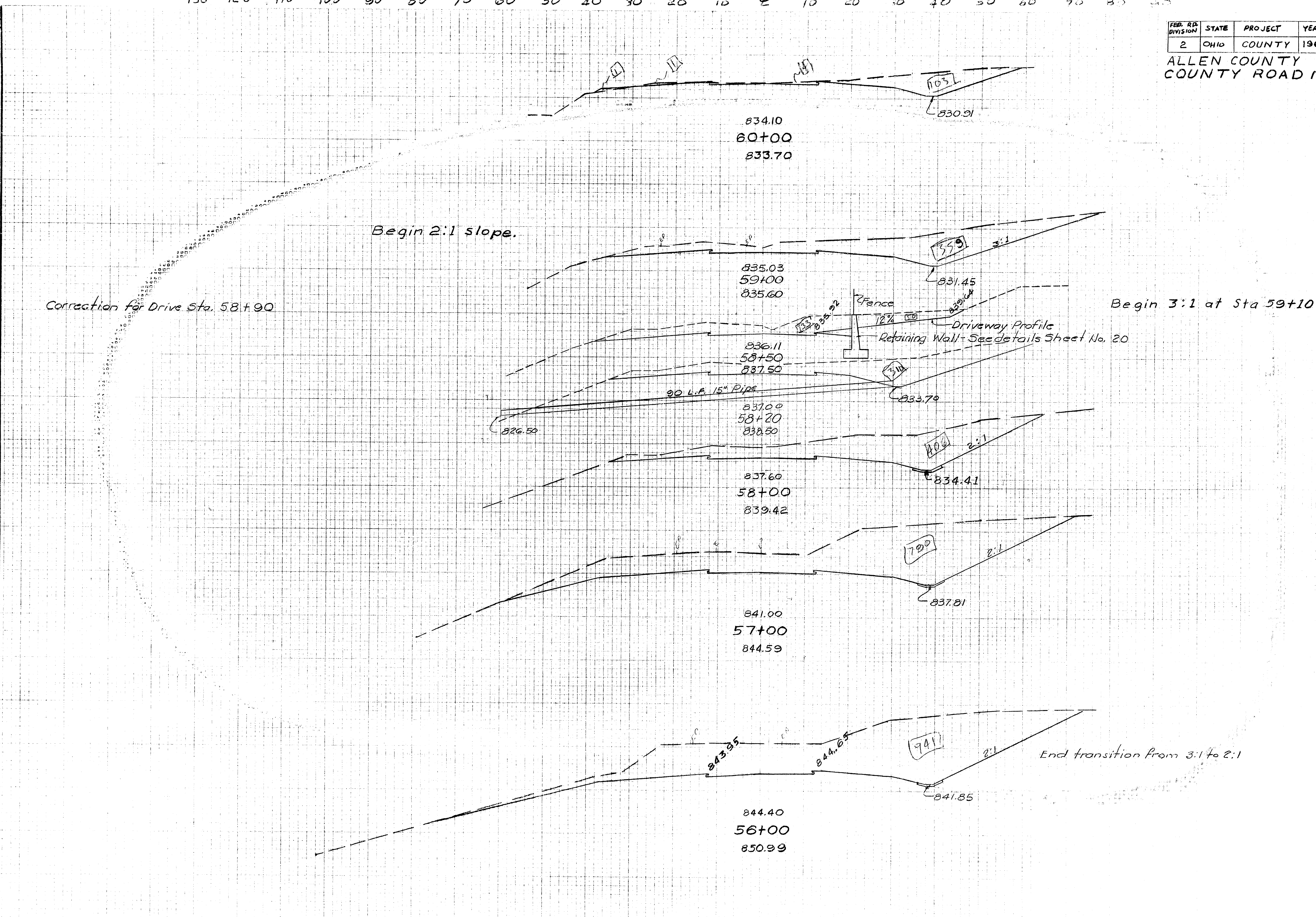
130 120 110 100 90 80 70 60 50 40 30 20 10 ± 10 20 30 40 50 60 70 80 Cross Sections Sta 52+25 to 55+00

130 120 110 100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

FED. RD. DIVISION	STATE	PROJECT	YEAR	25 54
2	OHIO	COUNTY	1968	

ALLEN COUNTY
COUNTY ROAD No 11

End Area	Cu. yds	
	Exc	Emb
108	1	247.65
865	1	
359		
15		
393		
133		
310		
265		
406		
2208		
790		
3204		
941		



Seeding	Width	Sq. yd.
75		
933		
93		
127		
35		233
78		
167		
72		
994		
107		
1283		
124		

130 120 110 100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 Cross sections Sta 56+00 to 60+00

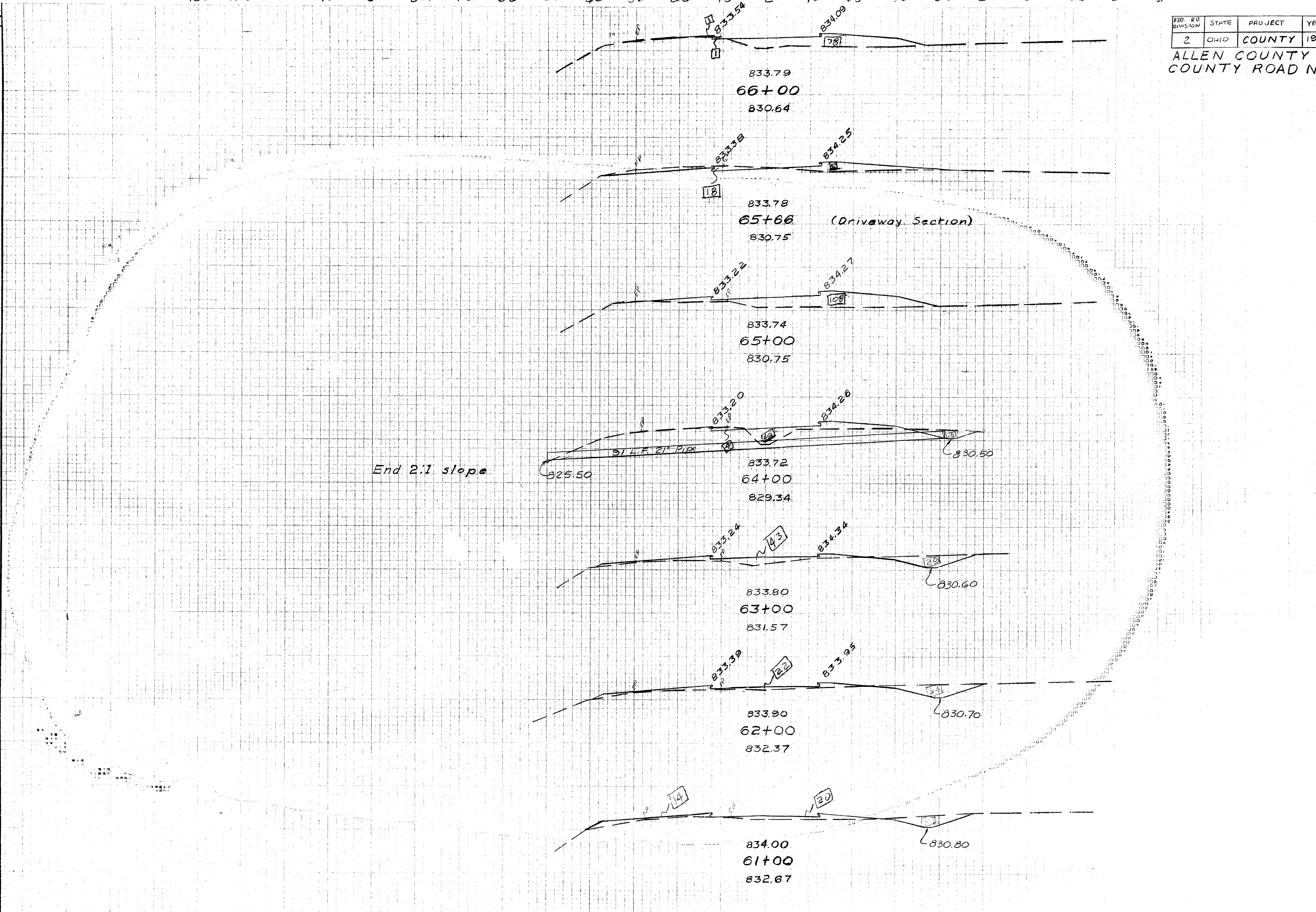
130 120 110 100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

FED. RD. DIVISION	STATE	PROJECT	YEAR	26 54
2	OHIO	COUNTY	1968	

ALLEN COUNTY
COUNTY ROAD # 11

End Area		Cu. yds.	
Exc.	Emb.	Exc.	Emb.
79	1	156	169
18	32	61	21
108		22	171
31	291		
17	49		
85	170		
29	43		
117	120		
34	22		
106	103		
23	34		

Seeding	
Width	Sq. yds.
45	561
57	189
52	404
528	
43	
622	
69	
756	
67	
739	
66	



130 120 110 100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 Cross Sections Sta 61+00 to 66+00

FINAL SURVEY
NOTE BOOK
DATE

ORIGINAL SURVEY
NOTE BOOK
DATE

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

ALLEN COUNTY
COUNTY ROAD No 11

27
54

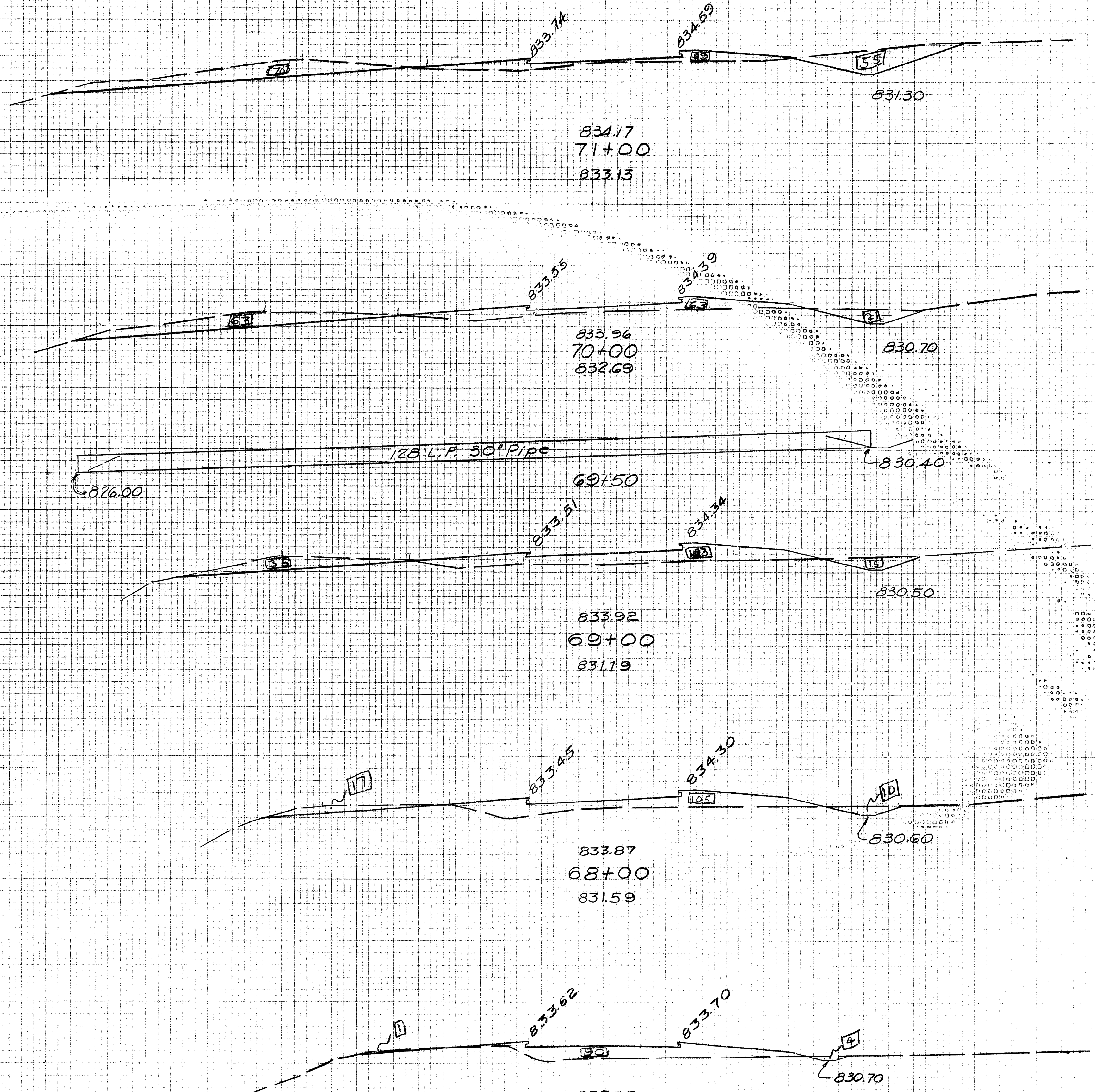
End Area		Cu yds	
Exc	Emb	Exc	Emb
125	49	470	131
84	63	387	207
51	103	250	307
27	105	144	385
5	90	59	361

Correction for Drive Sta. 71+59

Seeding
width Sq. yds
1180
126
1339
115
1228
106
1028
79
750
56

FINAL SURVEY NOTE BOOK NO.

ORIGINAL SURVEY NOTE BOOK NO.



Begin widening berm as necessary. Continue 12:1 slope to river bank.

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 Cross Sections Sta. 67+00 to 71+00

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

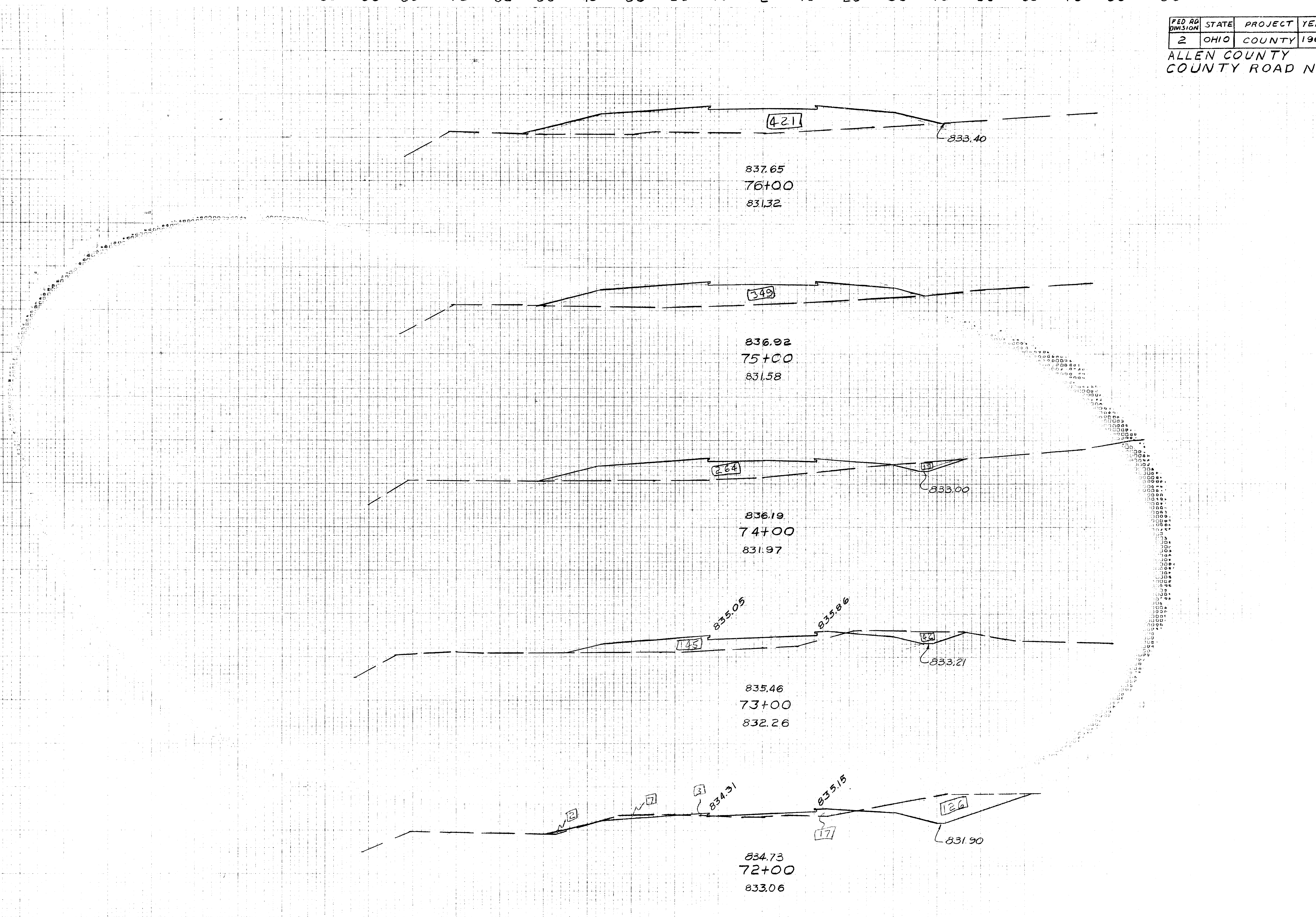
FED RD DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

ALLEN COUNTY
COUNTY ROAD No 11

End Area		Cu. yds.	
Exc.	Emb.	Exc.	Emb.
		4	1637
421			
		1426	
349			
		32	1133
17	264		
		109	757
42	145		
		324	309
133	22		

FINAL SURVEY NOTE BOOK No.

ORIGINAL SURVEY NOTE BOOK No.



Seeding	
width	Sq. yds
	889
73	
	761
64	
	800
80	
	822
68	
	872
89	

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 Cross Sections Sta. 72+00 to 76+00

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

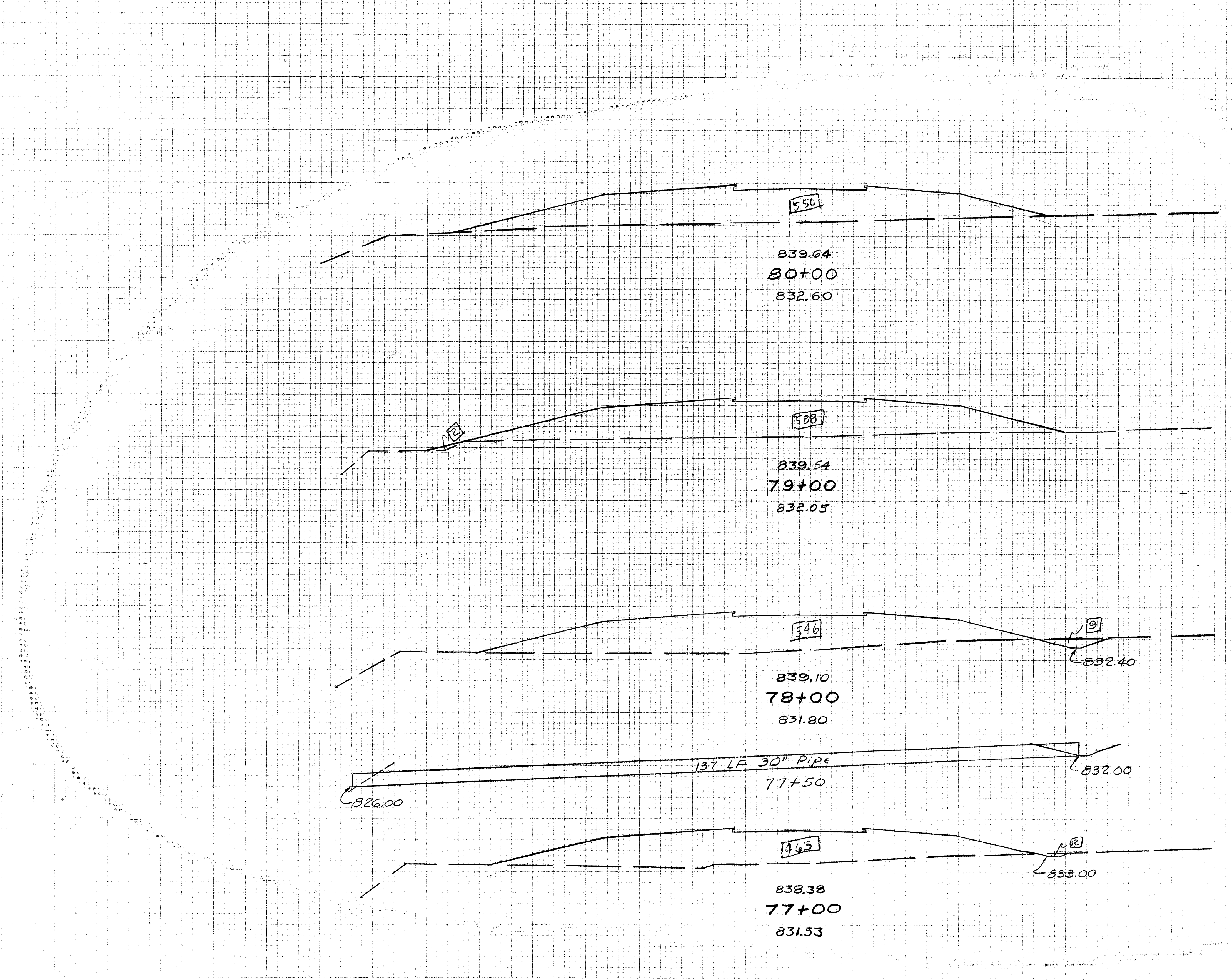
ALLEN COUNTY
COUNTY ROAD No 11

29
54

End Area		Cu yds.	
Exc	Emb	Exc	Emb
4	2130		
2	600		
20	2122		
9	546		
20	1869		
2	463		

FINAL SURVEY
DATE: _____
BY: _____
CHECKED BY: _____
DATE: _____

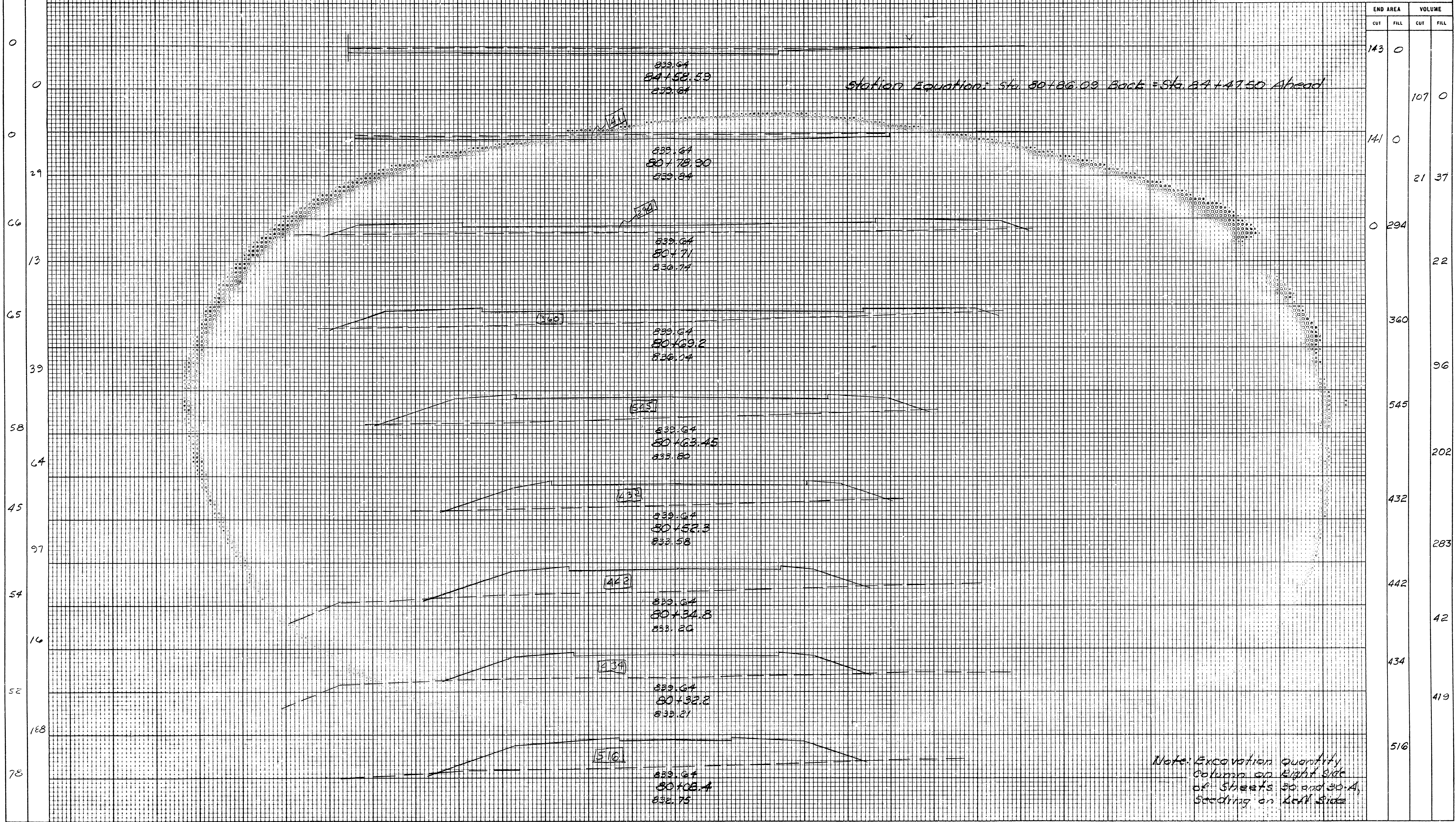
ORIGINAL SURVEY
DATE: _____
BY: _____
CHECKED BY: _____
DATE: _____



Seeding	
Width	Sq. yds.
74	
89	
1033	
97	
1139	
108	
1083	
87	

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 Cross Sections Sta. 77+00 to 80+86

SEEDING
END WIDTH SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
143	0		
		107	0
141	0		
		21	37
0	294		
			22
		360	
			96
		545	
			202
		432	
			283
		442	
			42
		434	
			419
		516	

Note: Excavation quantity column on right side of sheets 30 and 30-A, Seeding on left side

100 90 80 70 60 50 40 30 20 10 ± 10 20 30 40 50 60 70 80 90 100 Cross-sections Sta. 80+08.4 to Sta. 84+58.59

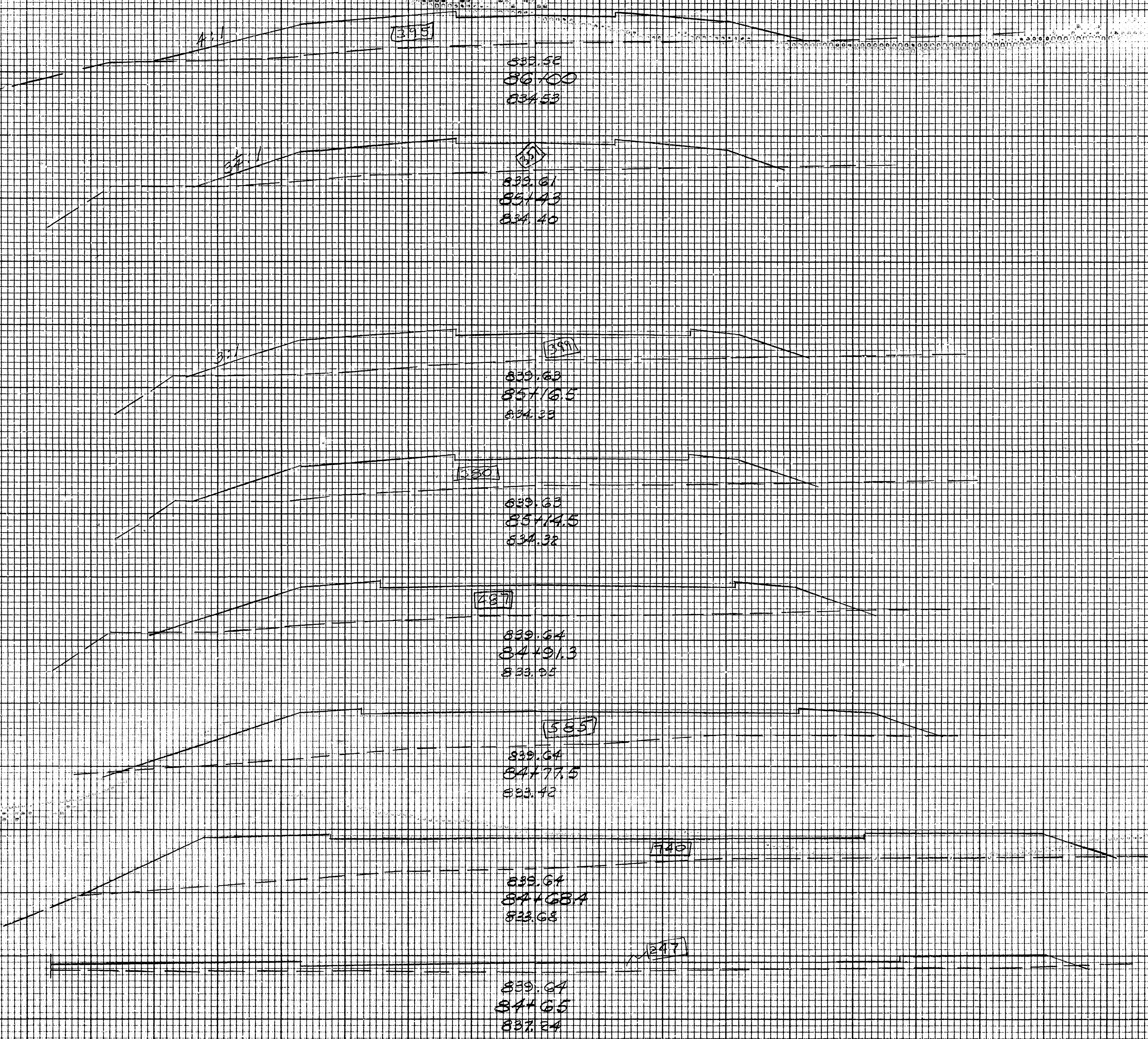
SEEDING
 END WIDTH 50 YDS.
 80
 384
 70
 195
 63
 14
 62
 152
 57
 93
 62
 72
 80
 21
 28
 10

FED. RD. DIVISION	STATE	PROJECT	YEAR	30-A 54
2	OHIO	COUNTY	1968	

ALLEN COUNTY
 COUNTY ROAD NO. 11

END AREA	VOLUME	
	CUT	FILL
395		
		794
357		
		371
399		
		29
380		
		372
487		
		274
585		
		223
740		
		62
0	247	
		17 29

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 Cross-Sections Sta. 84+65 to Sta. 86+00



100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

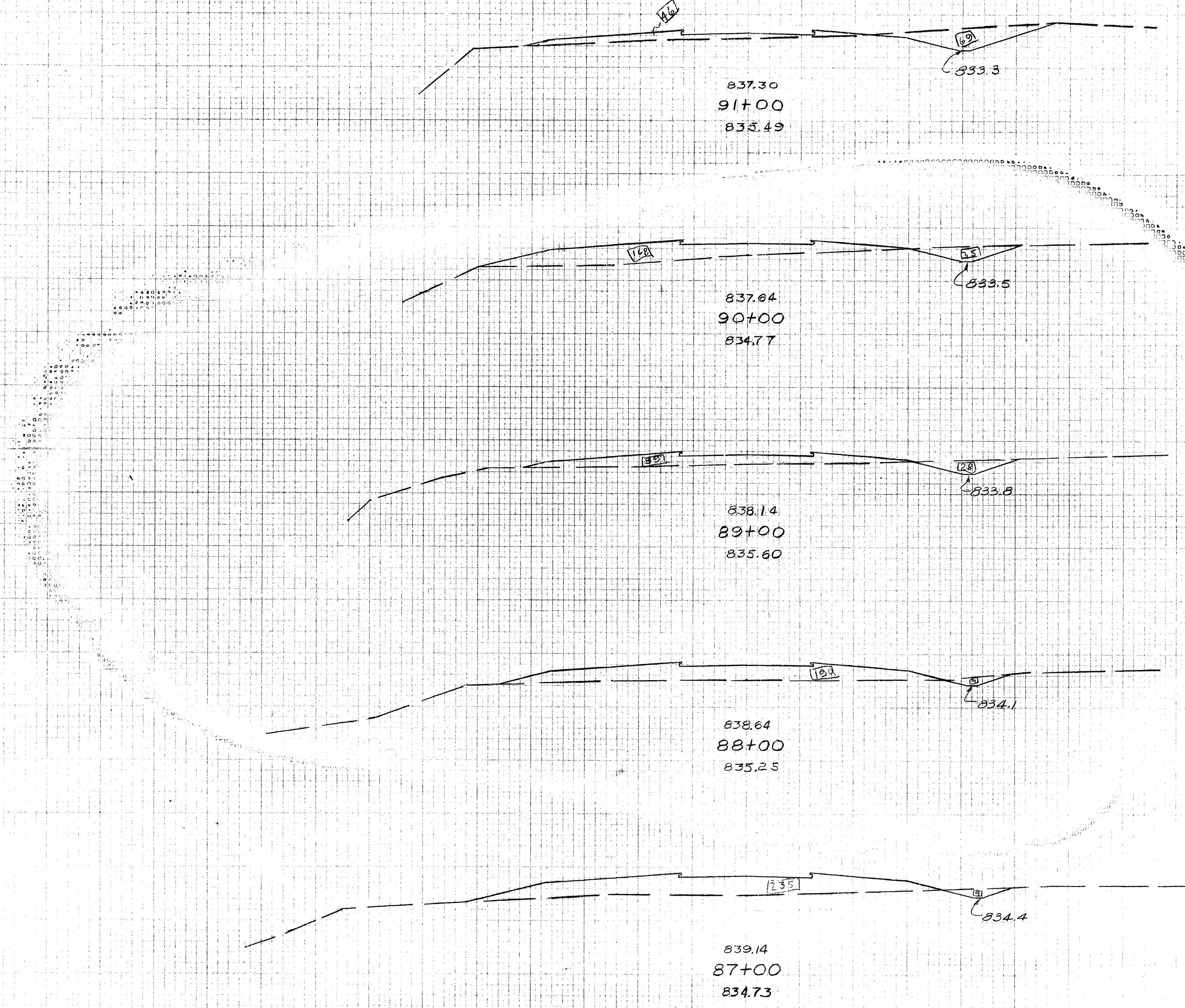
FED. RD. DIVISION	STATE	PROJECT	YEAR	31 54
2	OHIO	COUNTY	1968	

ALLEN COUNTY
COUNTY ROAD No 11

End Area		Cu. yds	
Exc.	Emb.	Exc.	Emb.
69	46	231	100
35	168	193	396
28	99	117	494
69	535		
9	190		
33	787		
9	235		

FINAL SURVEY
NOTE BOOK

ORIGINAL SURVEY
NOTE BOOK



Seeding	Width	Sq. Yd.
	750	
	76	
	857	
	80	
	833	
	70	
	794	
	73	
	839	
	78	
	860	

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 Cross Sections Sta. 87+00 to 91+00

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

FED RD DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

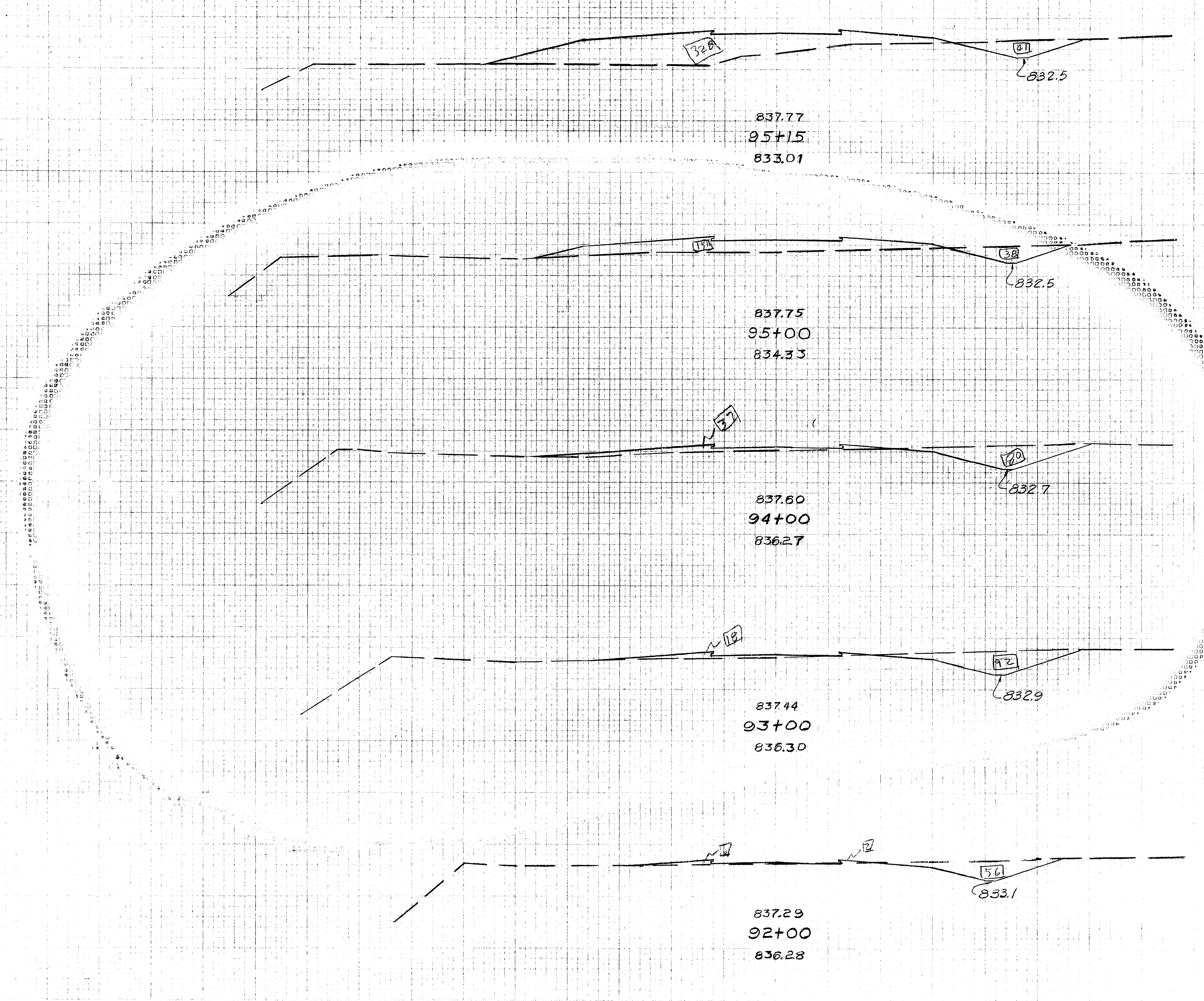
32
54

ALLEN COUNTY
COUNTY ROAD No 11

Sta	End Area		Cu yds.	
	Exc	Emb	Exc	Emb
41	328		12	296
22			133	
38	151		151	
219	348		348	
80	37		37	
319	102		102	
92	18		18	
274	48		48	
56	8		8	

FINAL SURVEY NOTE BOOK NO.

ORIGINAL SURVEY NOTE BOOK NO.



Sta	Seeding	
	Width	Sq. yd
41	93	169
22		144
38	80	
219		917
80	85	
319		872
92	72	
274		729
56	59	

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 Cross Sections Sta. 92+00 to 95+15

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

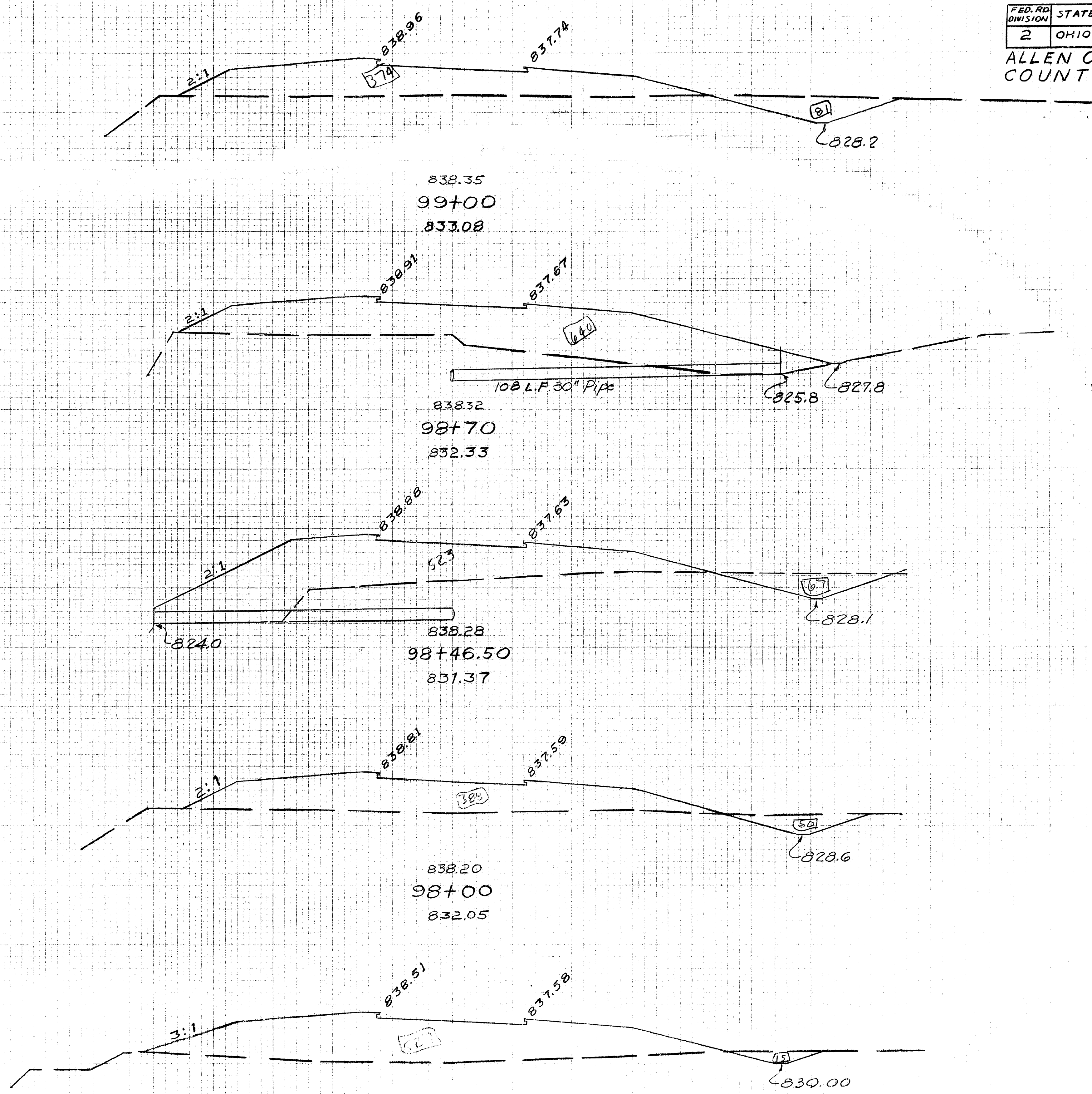
34
54

ALLEN COUNTY
COUNTY ROAD No 11

End Area		Cu yds	
Exc	Emb	Exc	Emb
81	374	183	1558
45	563		
640			
30	506		
67	523		
101	784		
50	388		
120	1694		
15	527		

FINAL SURVEY
NOTE BOOK NO.

ORIGINAL SURVEY
DATE



End transition
from 4:1 to 2:1

Seeding	
Width	Sq. yds.
99	1061
90	315
90	254
104	
512	
94	1039
93	

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 Cross Sections Sta. 97+00 to 99+00

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

35
54

ALLEN COUNTY
COUNTY ROAD No 11

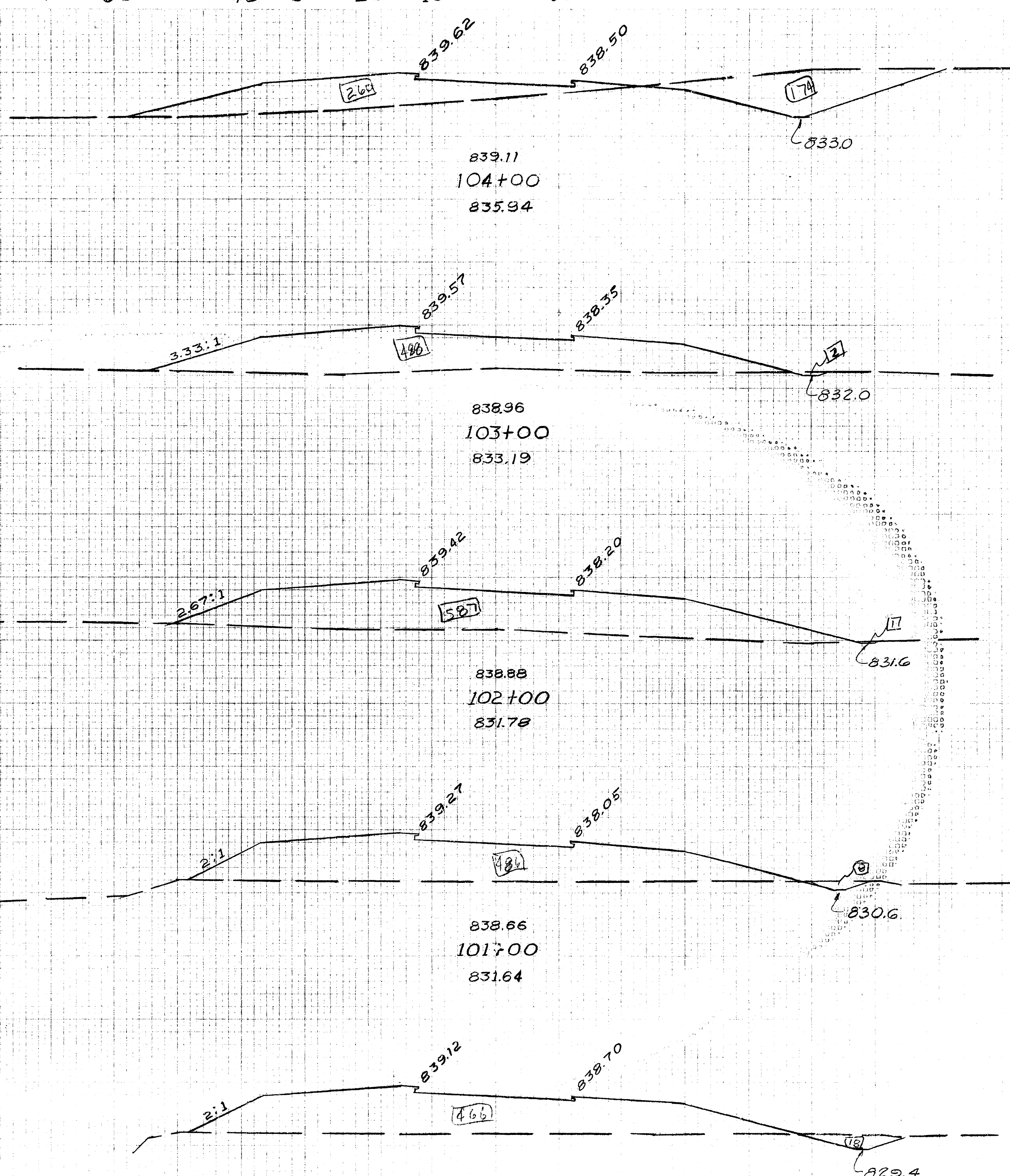
End Area Cu. yds	
Exc	Emb
174	260
2	488
6	1991
1	587
17	1987
8	486
48	1763
18	466

FINAL SURVEY NOTE BOOK

ORIGINAL SURVEY NOTE BOOK

End transition from 2:1 to 4:1

Begin transition from 2:1 to 4:1



Seeding

width	Sq. Yds
106	1072
83	1050
93	378
1000	
87	
994	
92	

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 Cross Sections Sta. 100+00 to 104+00

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

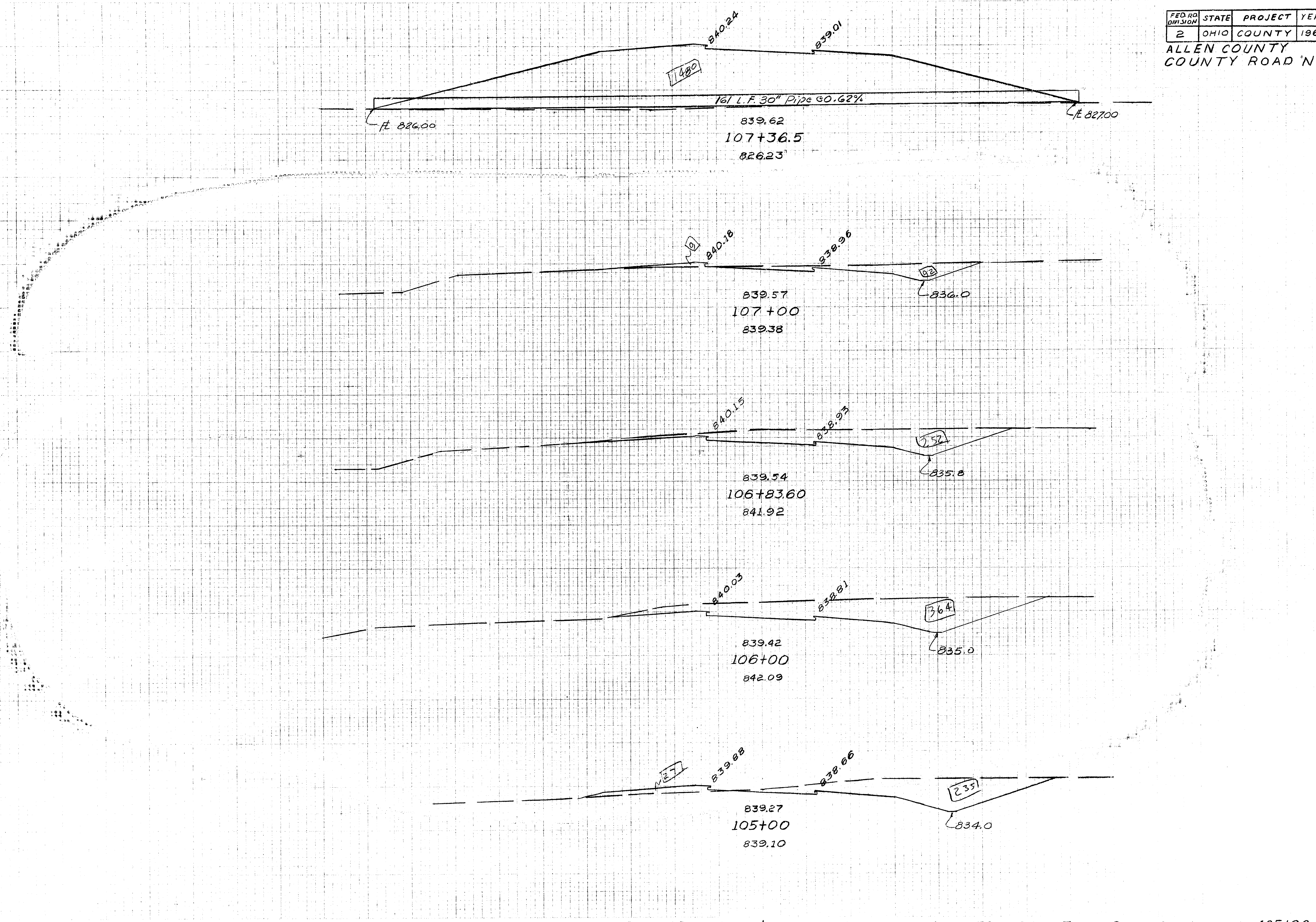
FED. RD. DIVISION	STATE	PROJECT	YEAR	36 54
2	OHIO	COUNTY	1968	

ALLEN COUNTY
COUNTY ROAD No 11

End Area		Cu yds.	
Exc	Emb	Exc	Emb
80	3082		
1480			
1	1486		
929			
1043			
252			
954			
364			
1109	50		
23527			

FINAL SURVEY
NOTE BOOK
NO.

ORIGINAL SURVEY
NOTE BOOK
NO.



Seeding	width	sq. yd.
1281		
151		
450		
71		
134		
76		
720		
79		
922		
87		

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 Cross Sections Sta. 105+00 to 107+36.5

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

FED RD DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

37
54

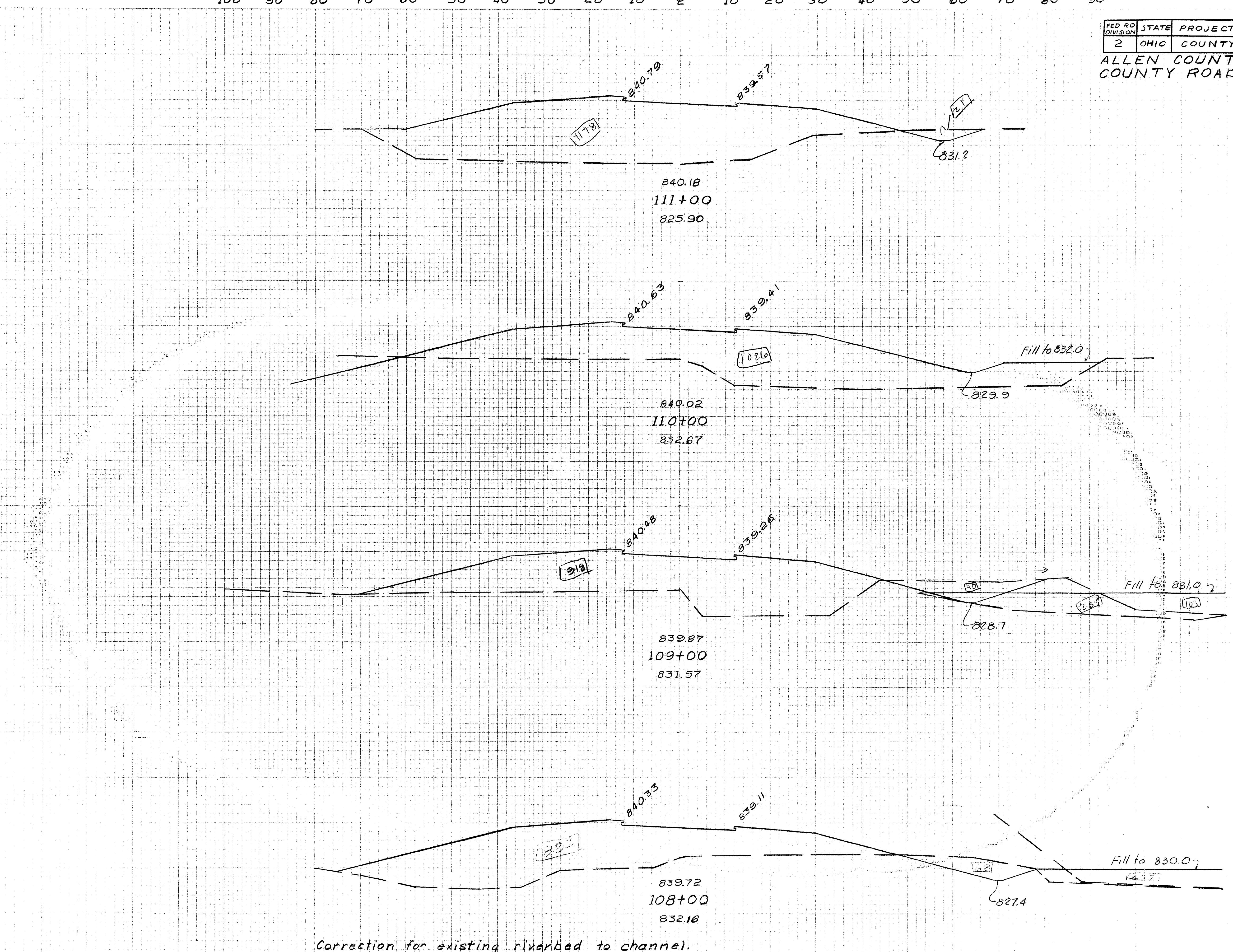
ALLEN COUNTY
COUNTY ROAD #11

End Area		Cu yds	
Exc	Emb	Exc	Emb
		39	4019
21	1178		
		39	4159
	1068		
		167	4396
90	1308		
		292	4544
68	1148		
		1050	

Seeding	
Width	Sq yds
115	1383
	1367
	131
	2033
	225
	2428
	212
	667

100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 Cross Sections Sta 108+00 to 111+00

Correction for existing riverbed to channel.



100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

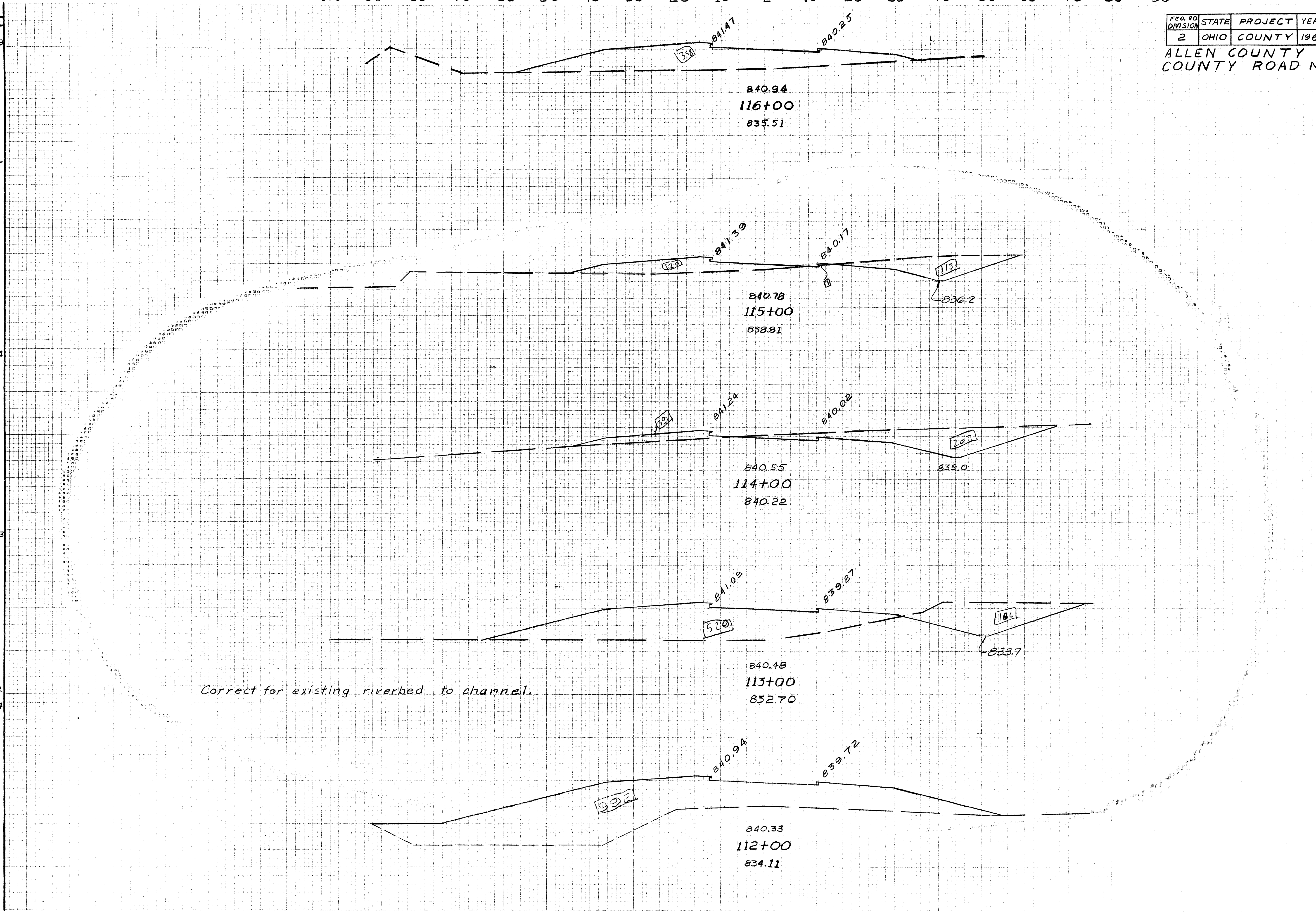
FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

ALLEN COUNTY
COUNTY ROAD No 11

End Area Cu. yds	
Exc	Emb
193	1489
358	
885	
115	120
396	294
207	39
728	1033
186	520
422	
344	2804
992	

FINAL SURVEY NOTE BOOK NO. 115

ORIGINAL SURVEY NOTE BOOK NO. 115



Seeding
979
70
839
81
929
88
1144
118
222
1400
134

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 Cross Sections Sta. 112+00 to 116+00

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

FED. RD. DIVISION	STATE	PROJECT	YEAR	39 54
2	OHIO	COUNTY	1969	

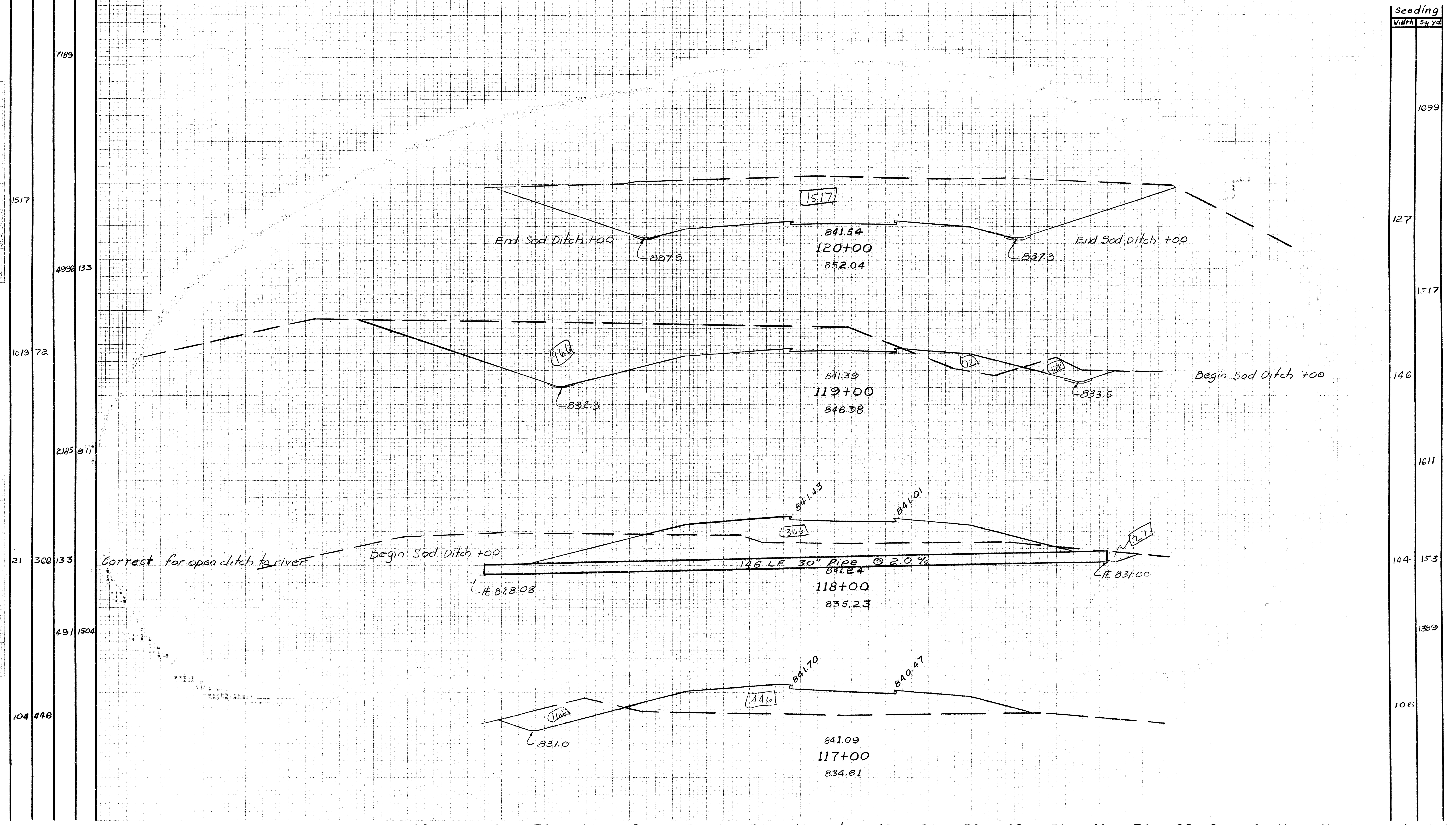
ALLEN COUNTY
COUNTY ROAD No 11

End Area		Cu. yds.	
Exc.	Emb.	Exc.	Emb.
7189			
1517			
4996	133		
1019	72		
2185	811		
21	308	133	
491	1504		
104	446		

Seeding	
Width	3 ft. yd.
1699	
127	
1517	
146	
1611	
144	153
1389	
106	

FINAL SURVEY ROUTE BOOK NO.

ORIGINAL SURVEY ROUTE BOOK NO.



100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 Cross Sections Sta. 117+00 to 120+00

End Area		Cu yds.	
Exc.	Emb.	Exc.	Emb.
1972		6813	
2168		6120	
2012		7722	

100 90 80 70 60 50 40 30 20 10 ± 10 20 30 40 50 60 70 80 90

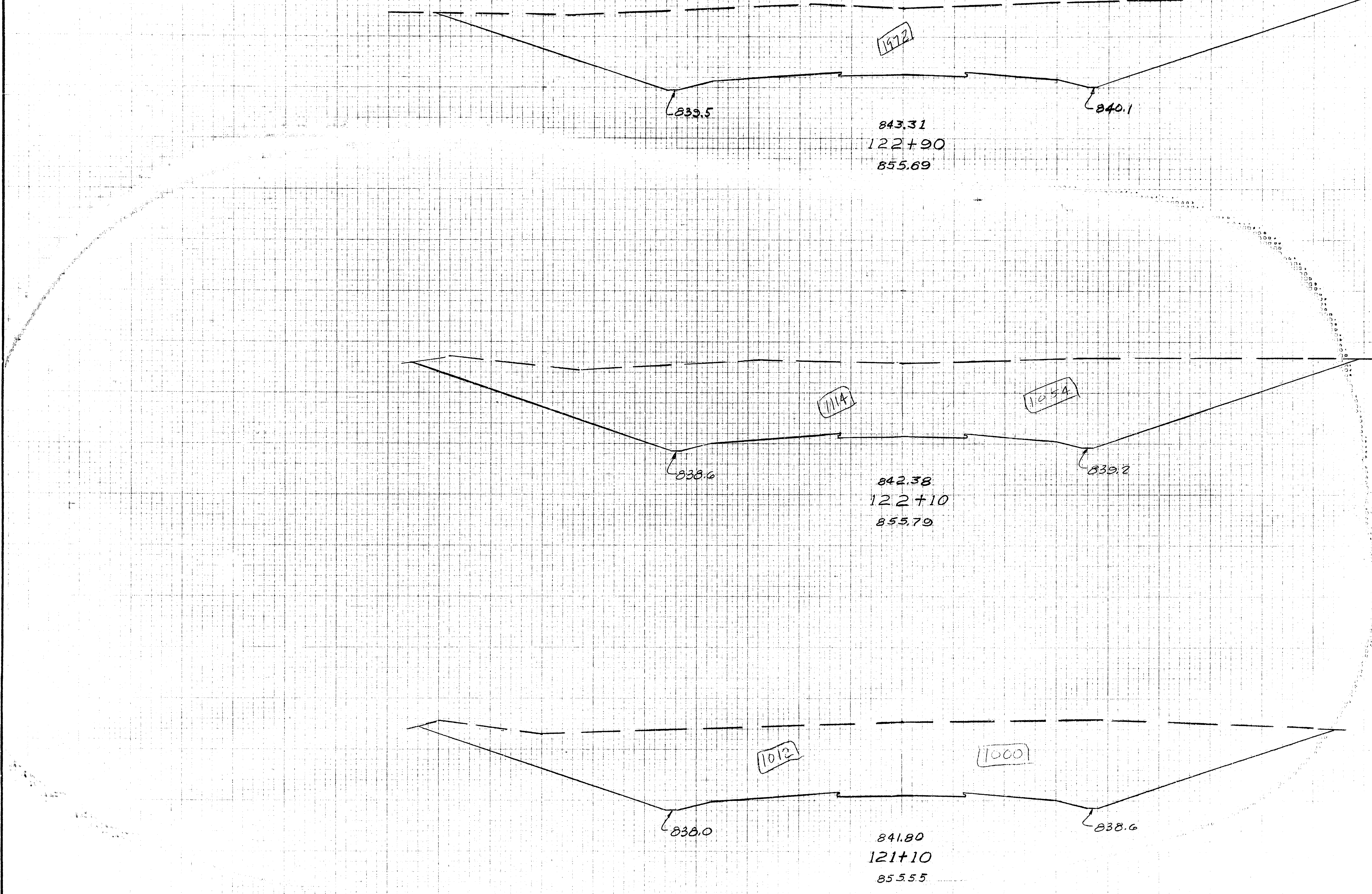
FED RD DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

40
54

ALLEN COUNTY
COUNTY ROAD No 11

Seeding	
Width	Sq yd.
1800	
165	
1472	
166	
1811	
160	

100 90 80 70 60 50 40 ± 30 20 10 ± 10 20 30 40 50 60 70 80 Cross Sections Sta 121+10 to 122+90



130 120 110 100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

End Areas Cu. yds.
Exc. Emb. Exc. Emb.

FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

41
54

ALLEN COUNTY
COUNTY ROAD NO. 11

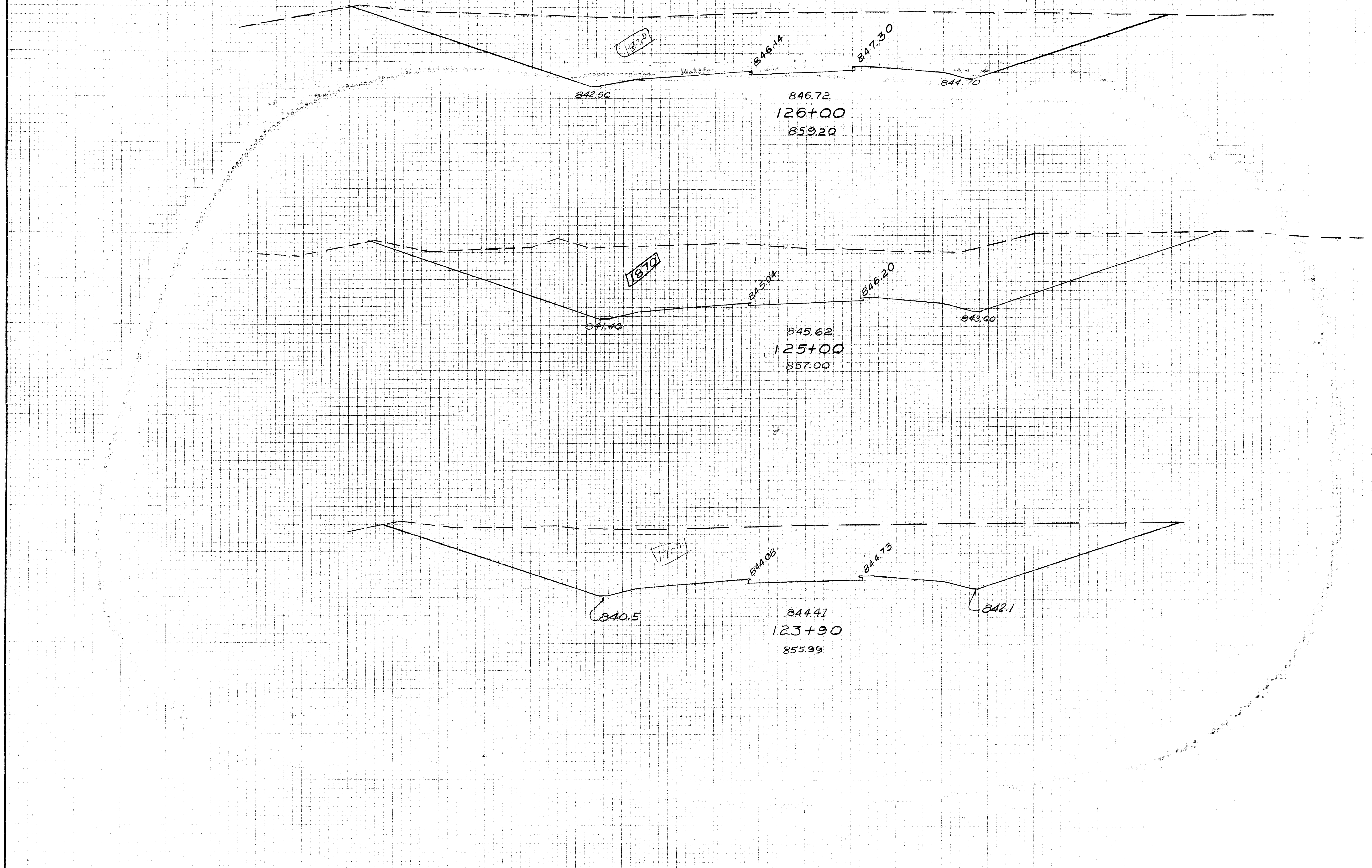
6417
1830
6802
1870
7286
1707

Seeding
width 33.92

1850
1860
1822
188
999
159

FINAL SURVEY
NOTE BOOK NO.

ORIGINAL SURVEY
NOTE BOOK NO.



130 120 110 100 90 80 70 60 50 40 E 10 20 30 40 50 60 70 80 Cross Sections Sta. 123+90 to 126+00

120 110 100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80

FED. RD. DIVISION	STATE	PROJECT	YEAR	42 54
2	OHIO	COUNTY	1968	

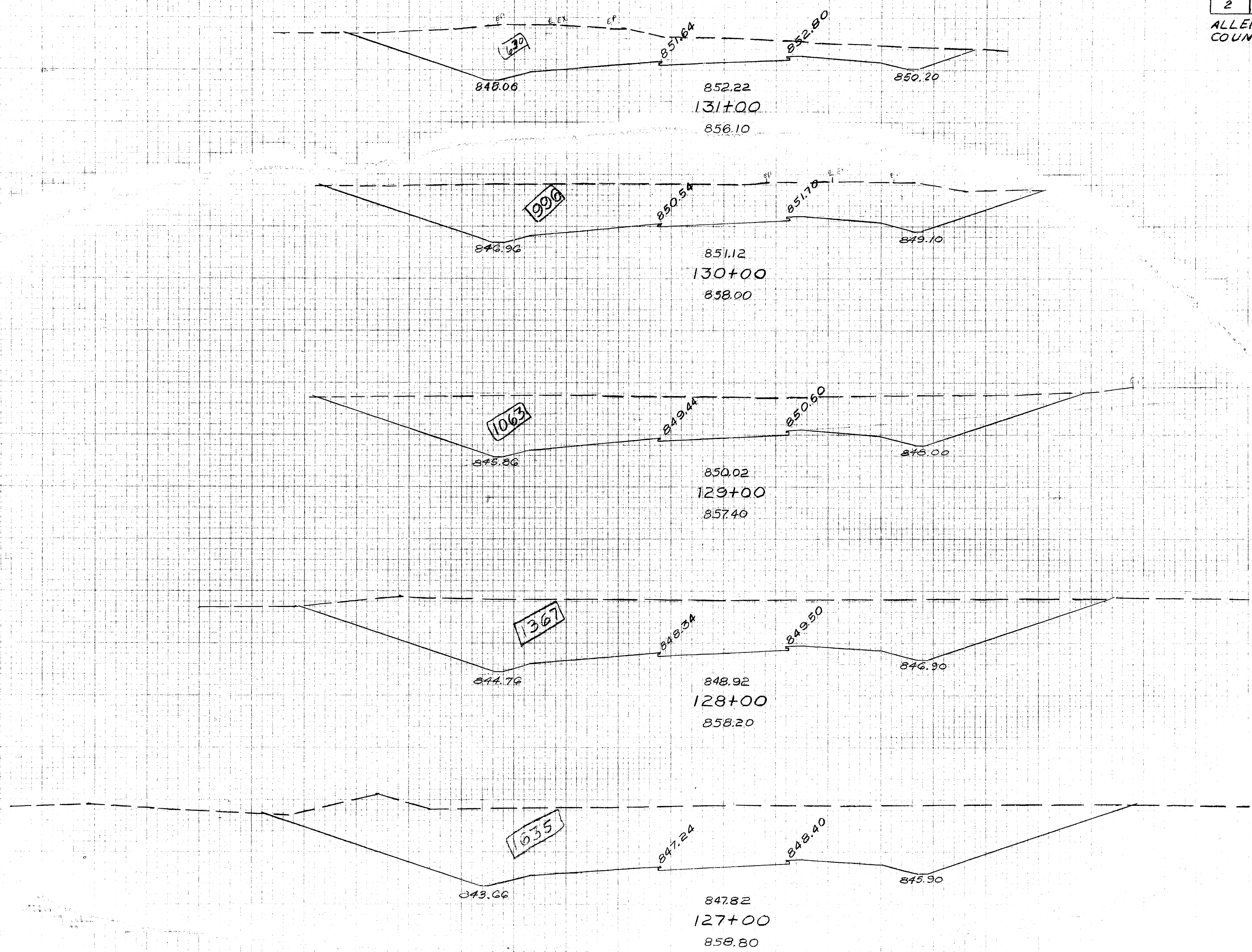
ALLEN COUNTY
COUNTY ROAD NO. 11

End Area	Cu. yds	
	Exc.	Emb.
630	1817	
998	2992	
1063	3813	
1367	4500	
1635	5559	

Seeding width	Sq. yds
98	1189
116	1350
127	1450
134	1506
137	

FINAL SURVEY NOTE BOOK NO. 100

ORIGINAL SURVEY NOTE BOOK NO. 100



120 110 100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 Cross-Sections Sta. 127+00 to 131+00

End Areas		Cu. yds	
Exc	Emb	Exc	Emb
		919	1
193	2		
		139	43
148	21		
		794	50
281	6		
		859	11
183			
		900	
340			
		7	

70 60 50 40 30 20 10 ± 10 20 30 40 50 60 70

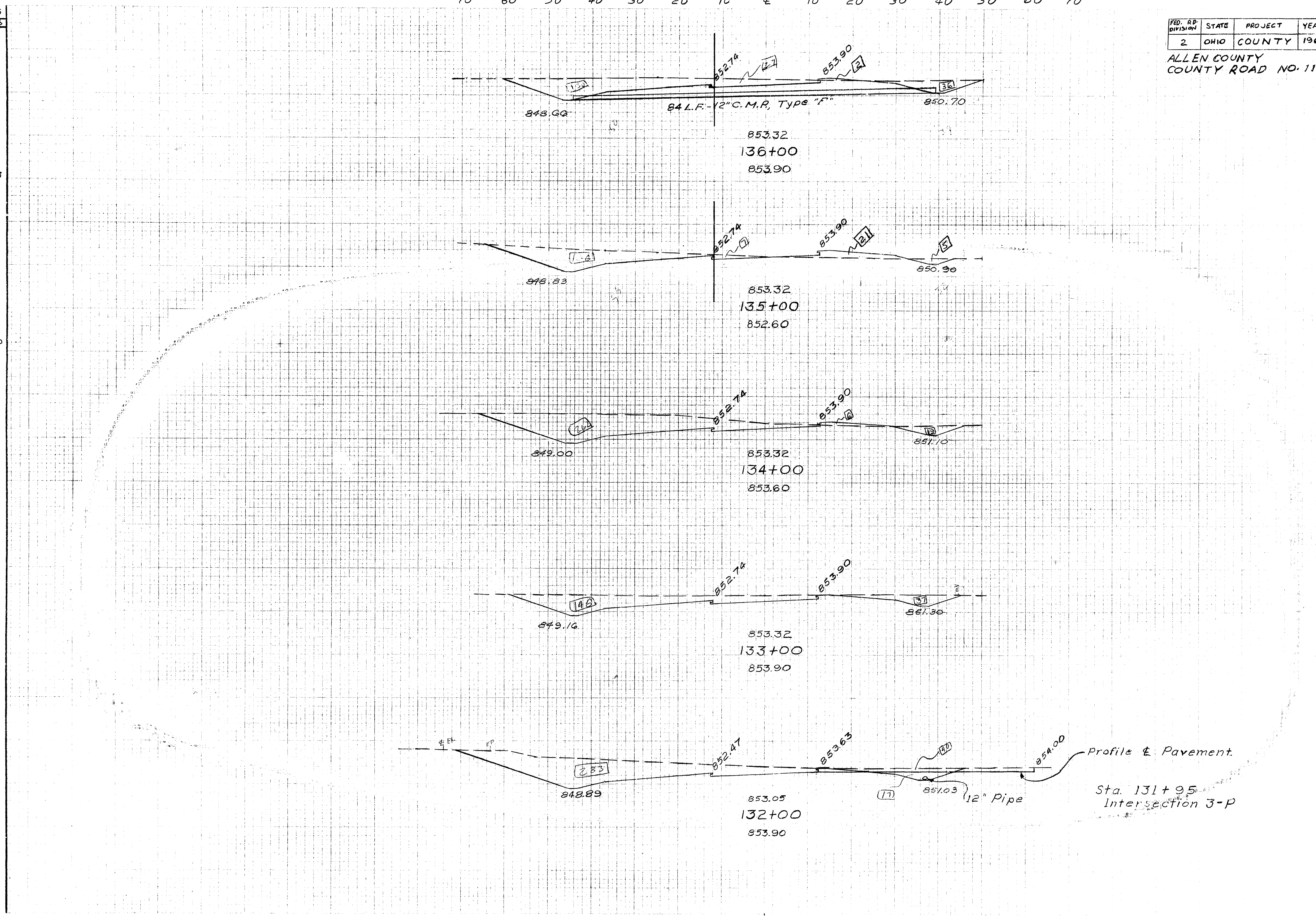
FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

ALLEN COUNTY
COUNTY ROAD NO. 11

Seeding	Width	Sq. Yd.
		994
89		394
		87
		994
		92
		956
		80
		867
		94

FINAL SURVEY NOTE BOOK NO. 117

ORIGINAL SURVEY NOTE BOOK NO. 117



70 60 50 40 30 20 10 ± 10 20 30 40 50 60 70 80 90 Cross Sections Sta. 132+00 to 136+00

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

44
54

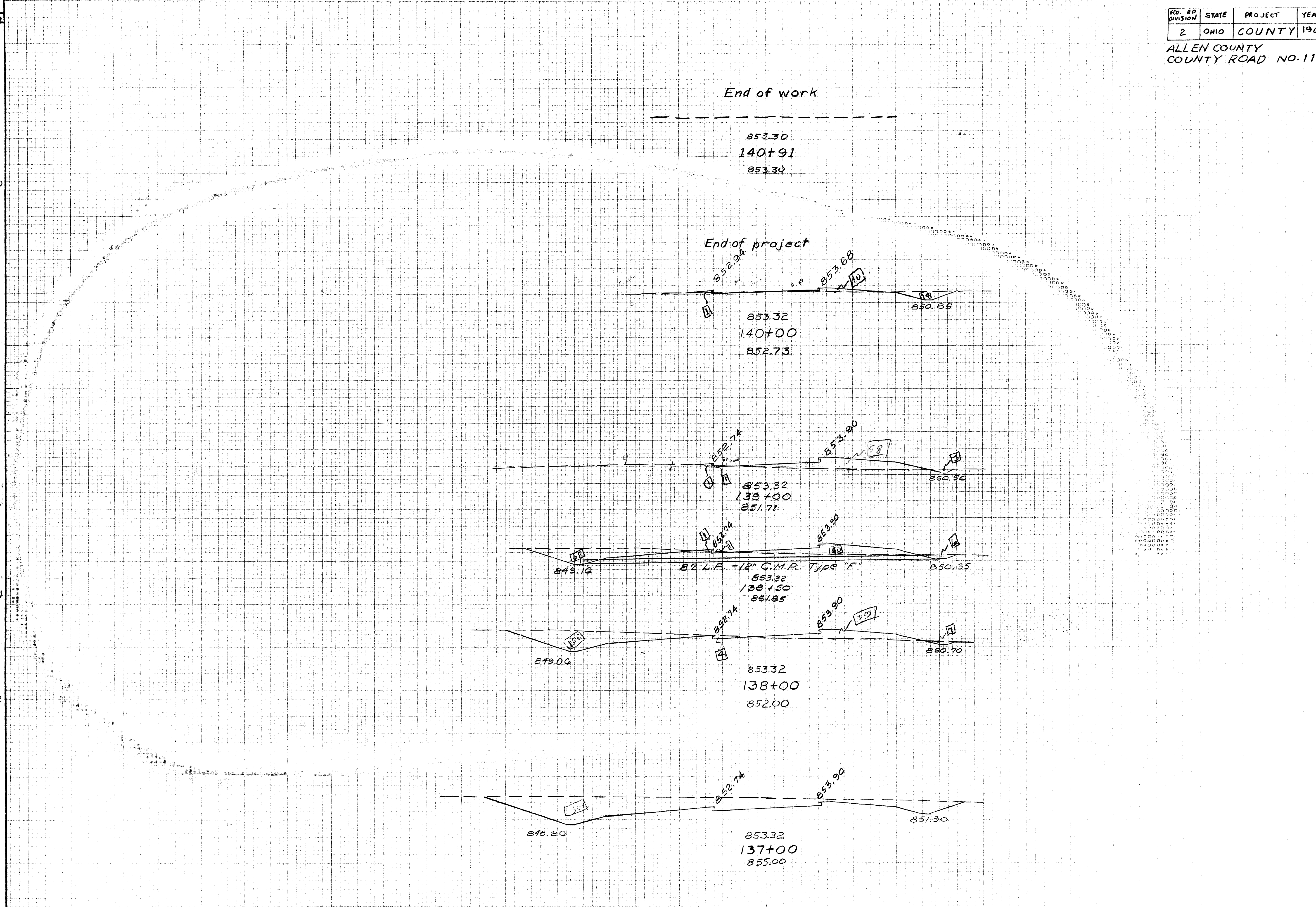
ALLEN COUNTY
COUNTY ROAD NO. 11

End Area		Cu yds	
Exc	Emb	Exc	Emb
0	0		
26	20		
14	11		
33	20		
4			
73	38		
75	41		
174	74		
113	39		
770	72		
303			

Seeding	
Width	Sq. yds
0	
202	
40	
428	
37	
317	
77	
439	
81	
950	
90	

FINAL SURVEY
NOTE BOOK
NO.

ORIGINAL SURVEY
NOTE BOOK
NO.



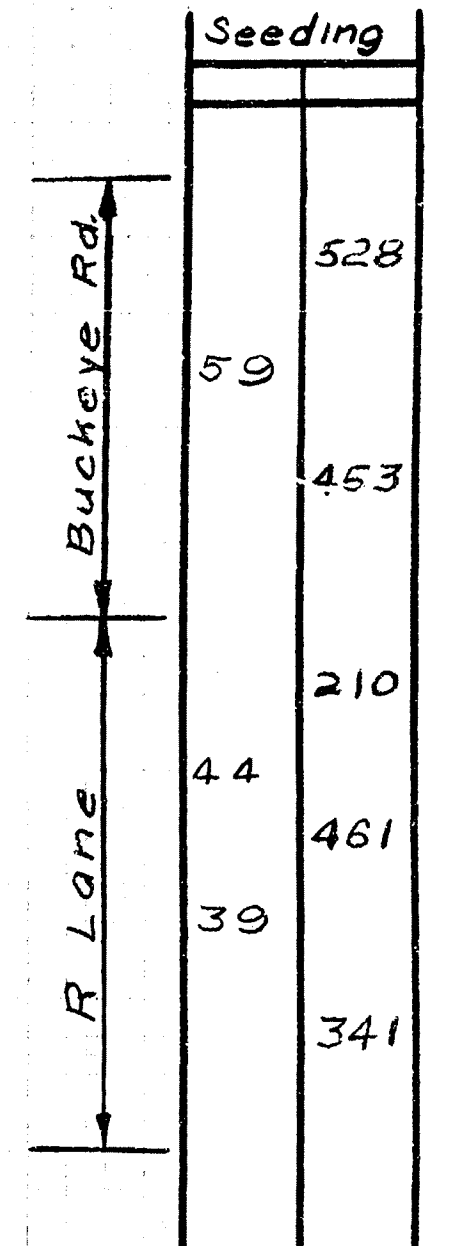
70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 Cross-Sections Sta. 137+00 to 140+51

End Area	Cu yds	
Exc	Emb	Exc
288	867	
	751	
	238	1
133	478	1
125	350	
207	520	
63	139	6
12	2	2

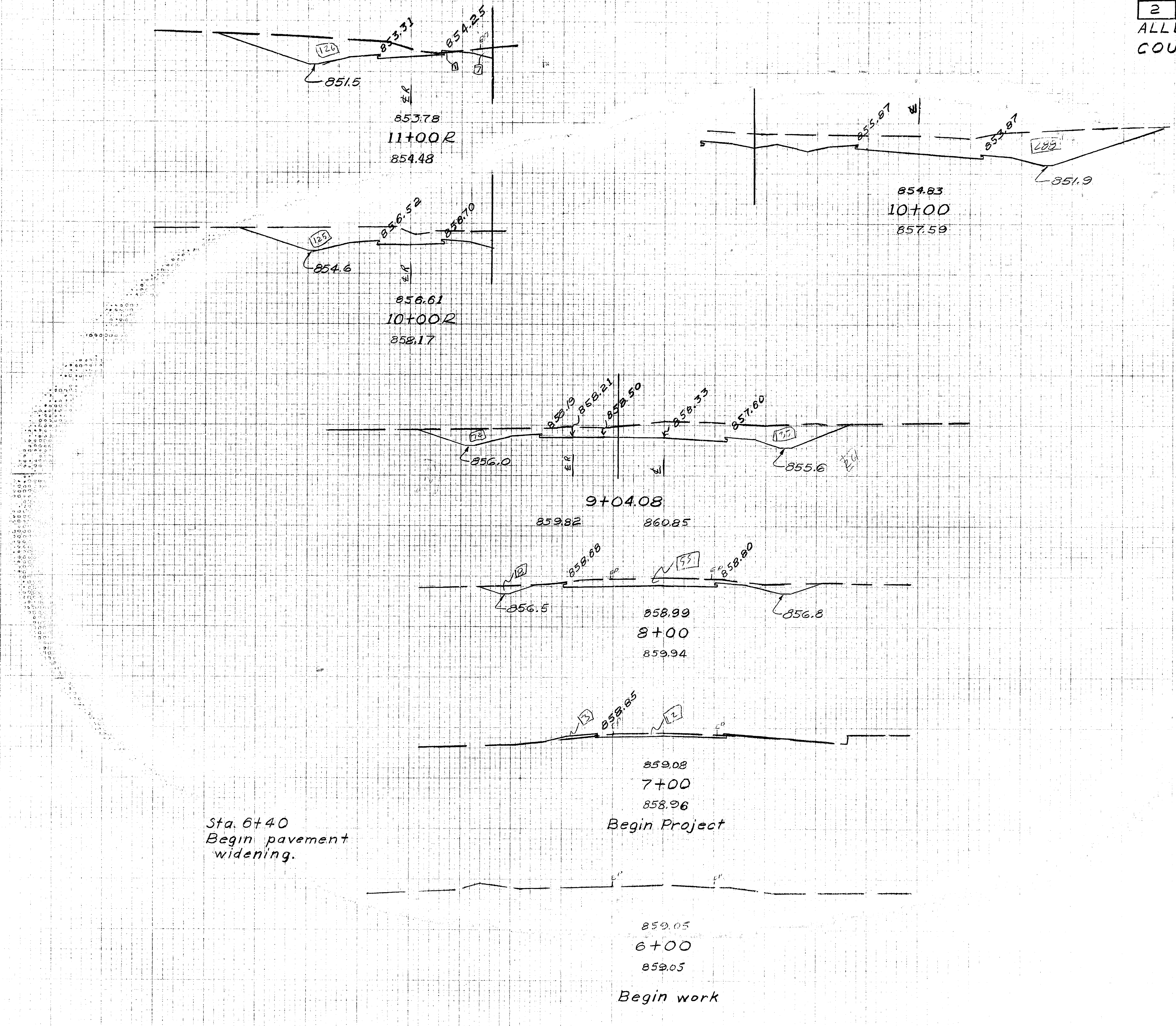
110 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80 90

FED. RD. DIVISION	STATE	PROJECT	YEAR	45 54
2	OHIO	COUNTY	1968	

ALLEN COUNTY
COUNTY ROAD No 11



Seeding
528
59
453
210
44
461
39
341
51
520
39
333
21



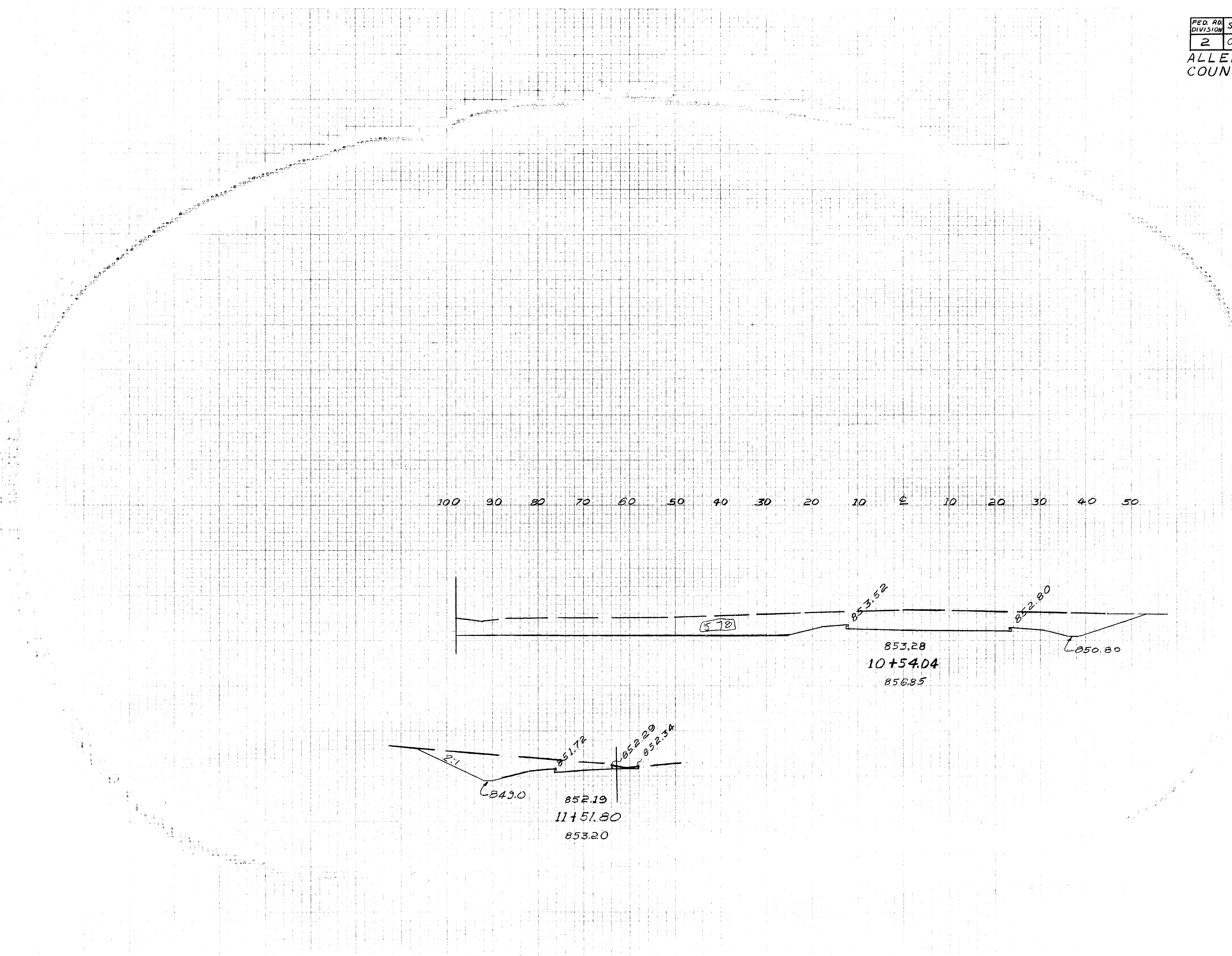
100 90 80 70 60 50 40 30 20 10 E 10 20 30 40 50 60 70 80
CROSS-SECTIONS Buckeye Road Sta. 6+00 to 10+00 Ramp "R" Sta. 10+00 to 11+00

End Area		Cu yds	
Exc.	Emb.	Exc.	Emb.
578			
115			

FED. RD. DIVISION	STATE	PROJECT	YEAR	46 54
2	OHIO	COUNTY	1968	

ALLEN COUNTY
COUNTY ROAD No 11

Seeding	
width	Sq. yd.
117	
29	



50 40 30 20 10 0 10 20 20 10 0 10 20 30 40 50
 CROSS-SECTIONS Buckeye Road Sta. 10+54.04 Camp "K" Sta. 11451.80

130 120 110 100 90 80 70 60 50 40 30 20 10 ± 10 20 30 40 50 60 70 80 90

FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

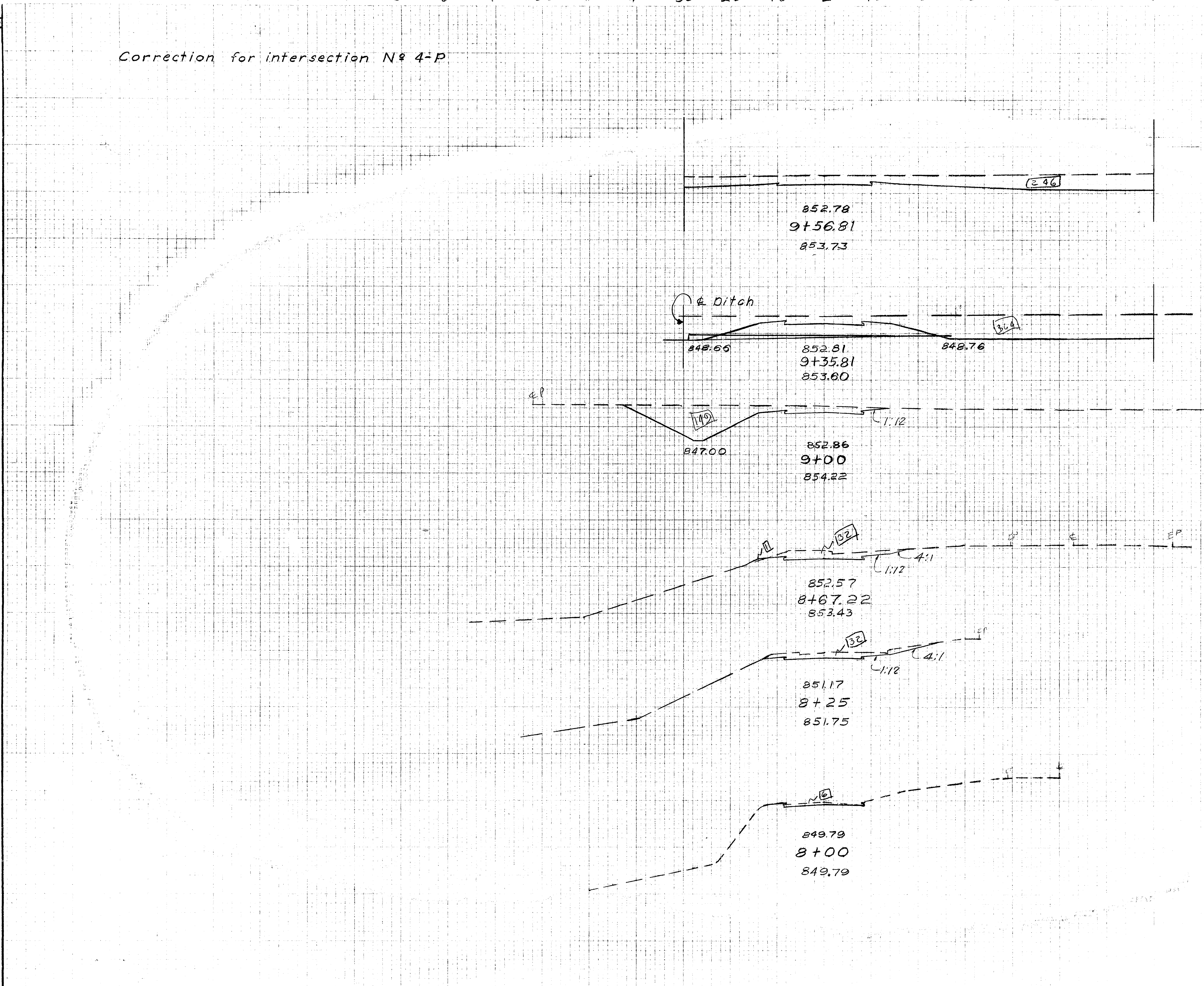
ALLEN COUNTY
COUNTY ROAD No 11

47
54

Correction for intersection N 4-P

End Area		Cu. yds.	
Exc	Emb	Exc	Emb
149			
246			
237			
364			
340			
149			
109	1		
32	1		
50	1		
32			
18			
6			

Seeding	
width	Sq. yd.
160	
82	
194	
84	
254	
44	
115	
19	
99	
23	
40	
6	



130 120 110 100 90 80 70 60 50 40 30 20 10 ± 10 20 30 40 50 60 70 80

Treatment Plant Road
Section Sta 8+00 to 9+56.81

FINAL SURVEY
DATE: 1/18/68
BY: DJB

ORIGINAL SURVEY
DATE: 1/18/68
BY: DJB

End Area		Cu yds	
Exc	Emb	Exc	Emb
254			
	885		
224			
	763		
188			
	348		
0			

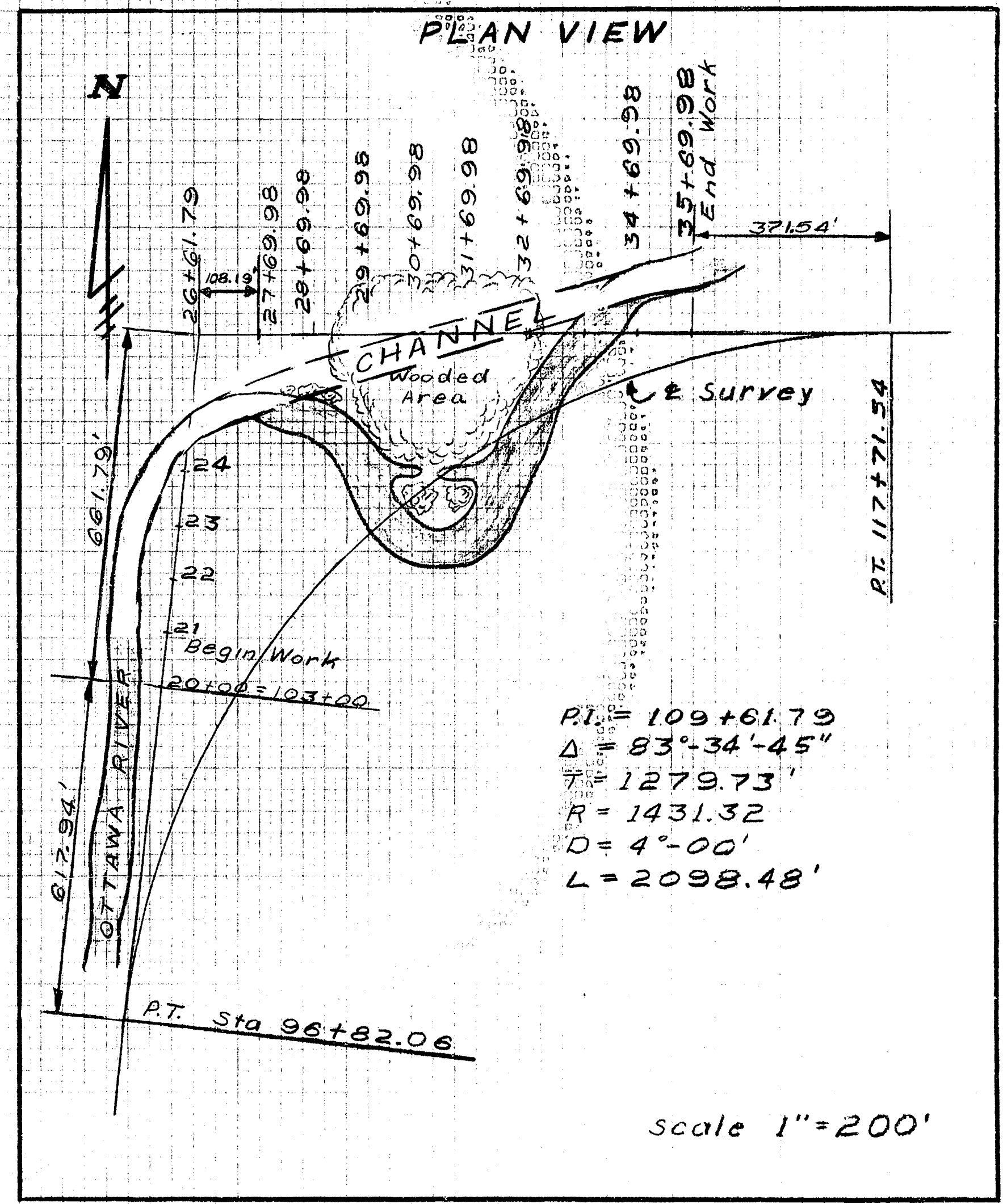
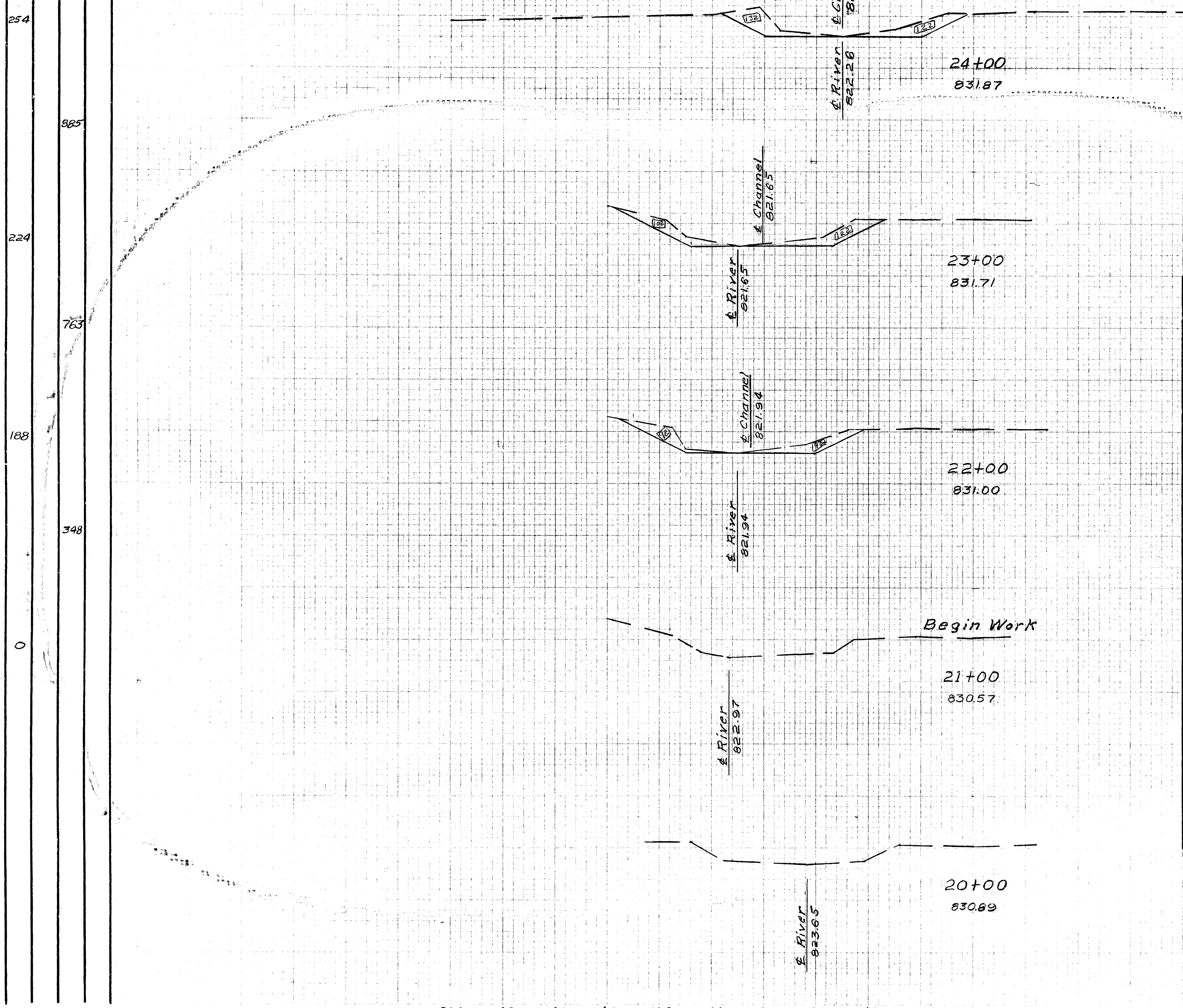
200 180 160 140 120 100 80 60 40 20 ± 20 40 60 80 100 120 140

FED RD DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

ALLEN COUNTY
COUNTY ROAD No 11

48
54

Seeding	
Width	Sq yd
4.5	
536	
5.5	
622	
5.7	
317	
0	



Note: Channel Cross Sections were taken using tangent to road as \pm . \pm of channel is shown on each cross section.
Scale: Vert. and Horiz., 1" = 20'
Channel Sta 20+00 = Tangent Sta 103+00

Channel Cross Sections Sta 20+00 to 24+00

220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200

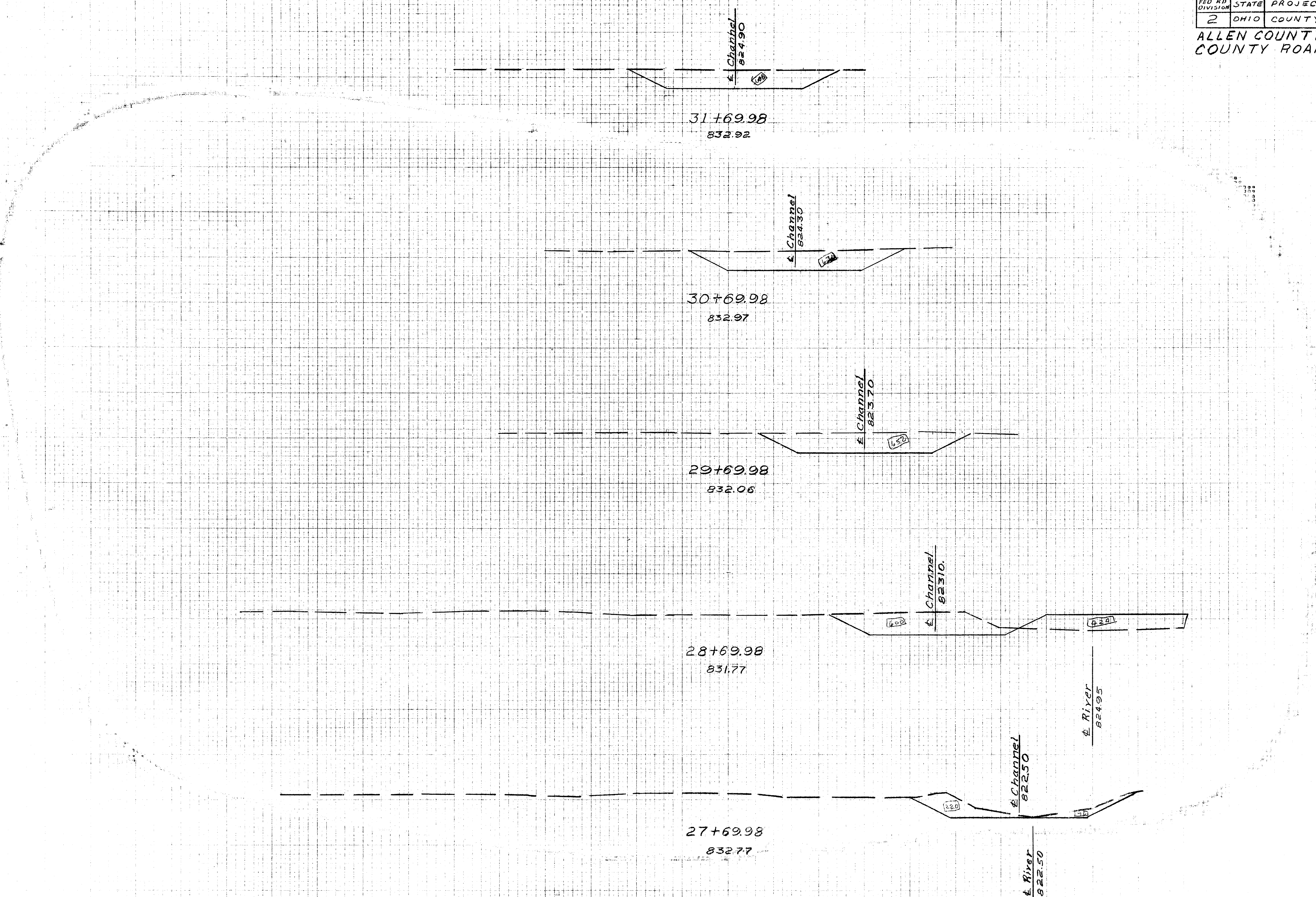
End Area		Cu yds	
Exc	Emb	Exc	Emb
		2203	
608			
		2292	
630			
		2386	
652			
		2318	262
600	424		
		1659	785
296			
		2394	

FED RD DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

ALLEN COUNTY
COUNTY ROAD No 11

49
54

Seeding	
Width	Sq yd
45	483
500	
45	
500	
45	
611	
65	
639	
50	
1240	



Correction for Sta. 24+00 to Sta. 27+69.98

220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200
Channel Cross Sections Sta 27+69.98 to 31+69.98

180 160 140 120 100 80 60 40 20 ± 20 40 60 80 100 120 140 160

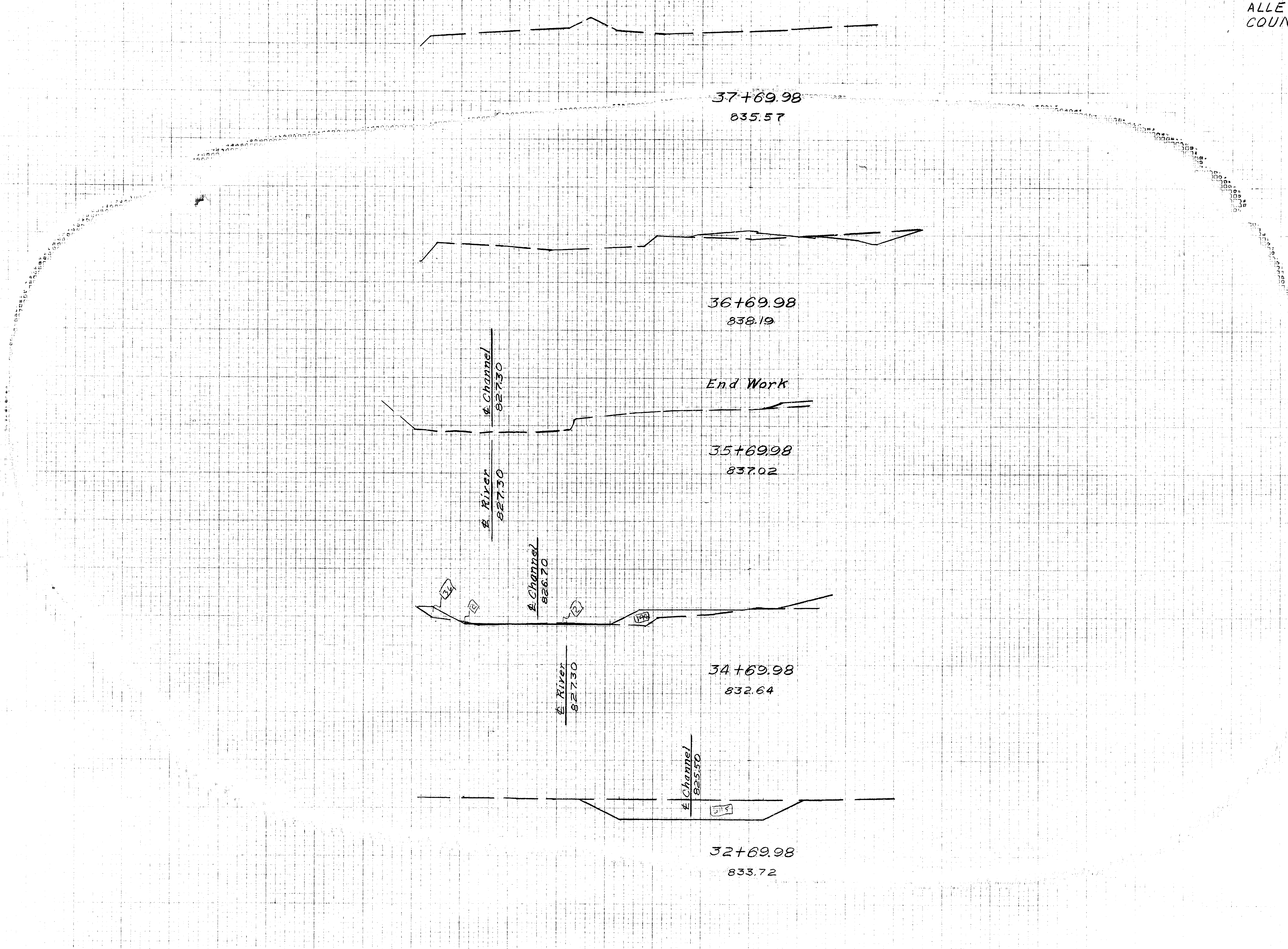
End Area Cu yds		Exc Emb	
Exc	Emb	Exc	Emb
0	0		
7	333		
4	180		
3424	333		
615			

FED RD DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

ALLEN COUNTY
COUNTY ROAD No 11

Seeding
width Sq yd

0
472
85
1173
42



180 160 140 120 100 80 60 40 20 ± 20 40 60 80 100 120 140 160

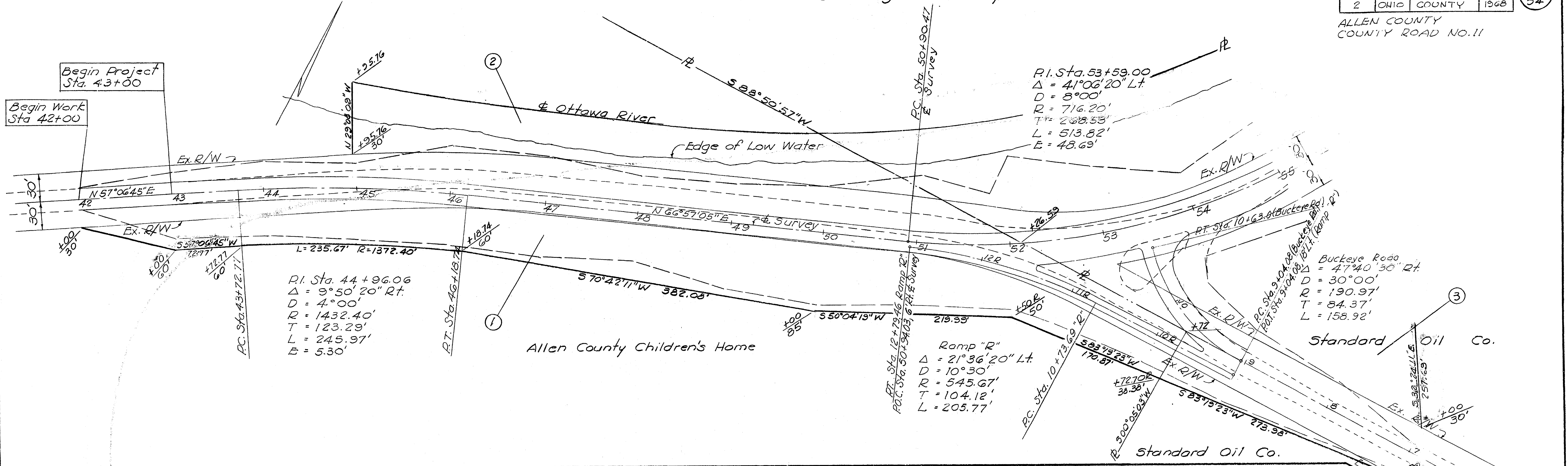
Channel Cross Sections Sta. 32+69.98 to 37+69.98

Sola Adgate Zurmehly

FED. RD. DIVISION	STATE	PROJECT	YEAR	51
2	OHIO	COUNTY	1968	54

ALLEN COUNTY COUNTY ROAD NO. 11

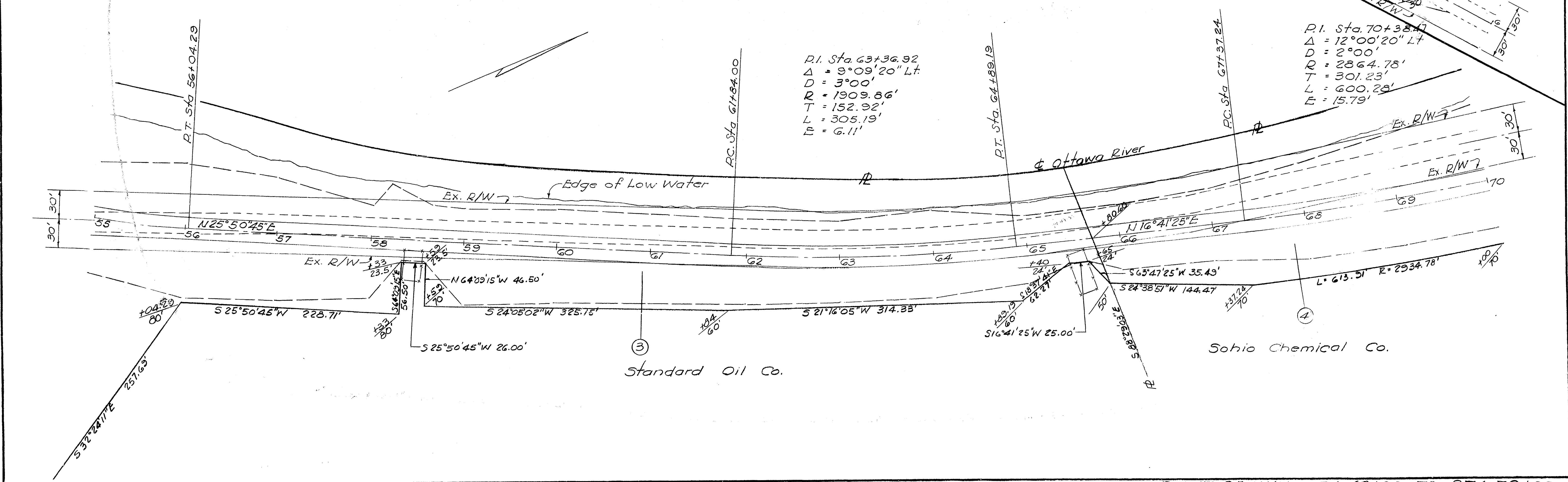
Begin Project Sta. 43+00
Begin Work Sta. 42+00



P.I. Sta. 44+96.06
 $\Delta = 9^{\circ} 50' 20''$ Rt.
 $D = 4^{\circ} 00'$
 $R = 1432.40'$
 $T = 123.29'$
 $L = 245.97'$
 $E = 5.30'$

Ramp "R"
 $\Delta = 21^{\circ} 36' 20''$ Lt.
 $D = 10^{\circ} 30'$
 $R = 545.67'$
 $T = 104.12'$
 $L = 205.77'$

Buckeye Road
 $\Delta = 47^{\circ} 40' 30''$ Rt.
 $D = 30^{\circ} 00'$
 $R = 190.97'$
 $T = 84.37'$
 $L = 158.92'$



P.I. Sta. 63+36.92
 $\Delta = 9^{\circ} 09' 20''$ Lt.
 $D = 3^{\circ} 00'$
 $R = 1909.86'$
 $T = 152.92'$
 $L = 305.19'$
 $E = 6.11'$

P.I. Sta. 70+38.47
 $\Delta = 12^{\circ} 00' 20''$ Lt.
 $D = 2^{\circ} 00'$
 $R = 2864.78'$
 $T = 301.23'$
 $L = 600.29'$
 $E = 15.79'$

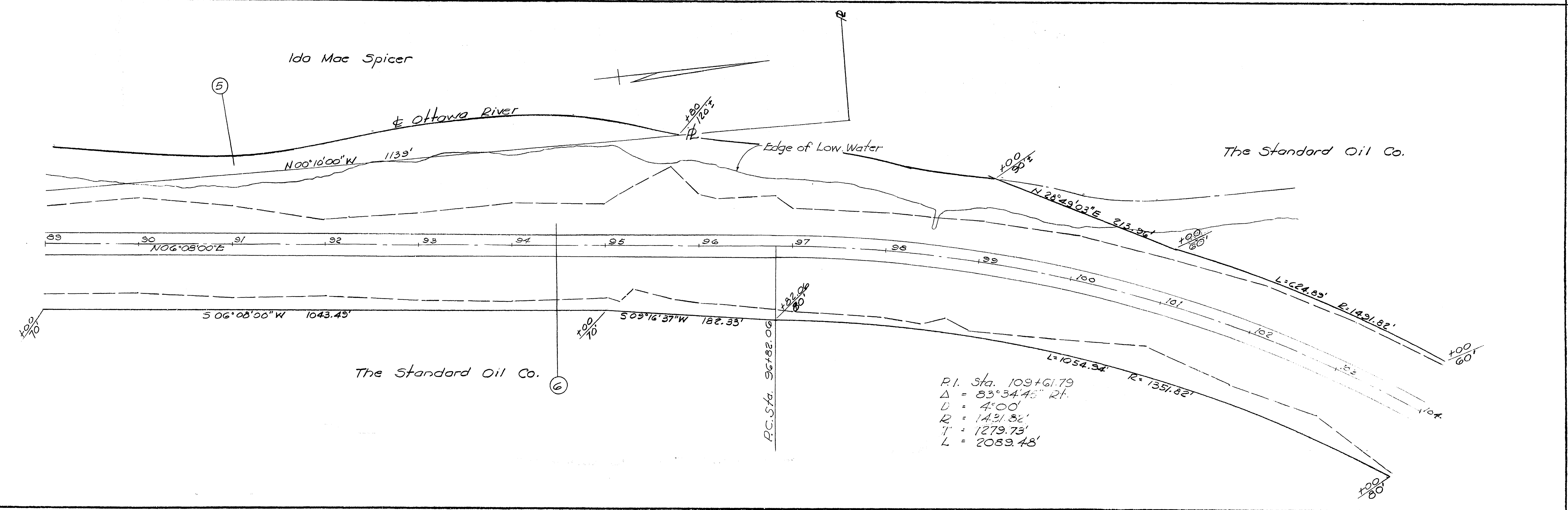
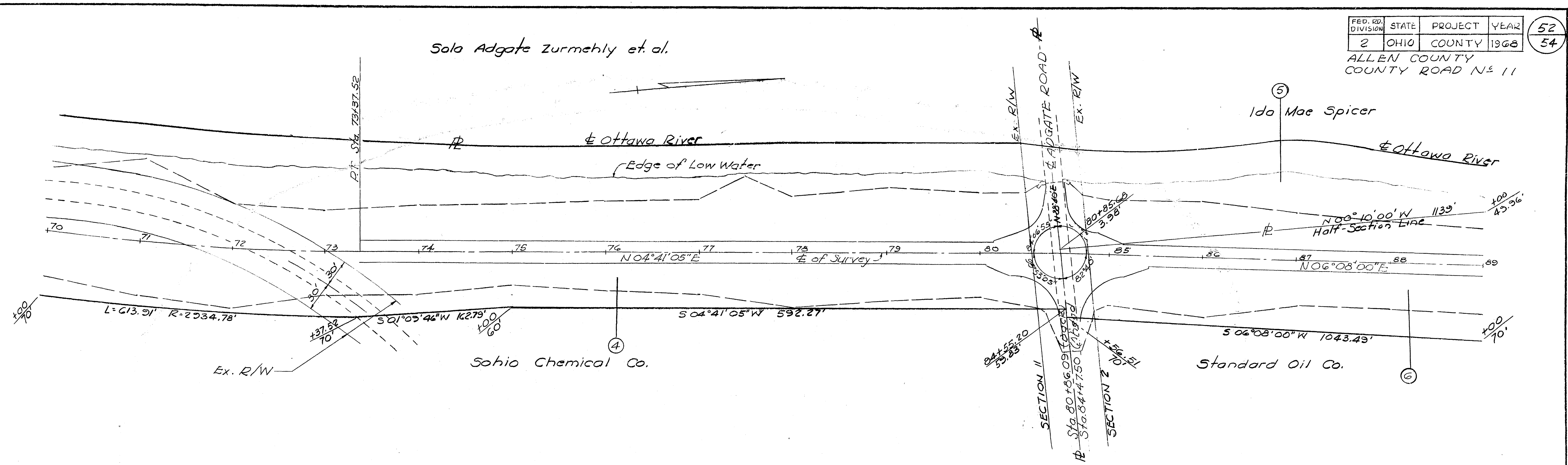
RIGHT-OF-WAY STA. 42+00 TO STA. 70+00

FED. RD. DIVISION	STATE	PROJECT	YEAR
2	OHIO	COUNTY	1968

ALLEN COUNTY
COUNTY ROAD No. 11

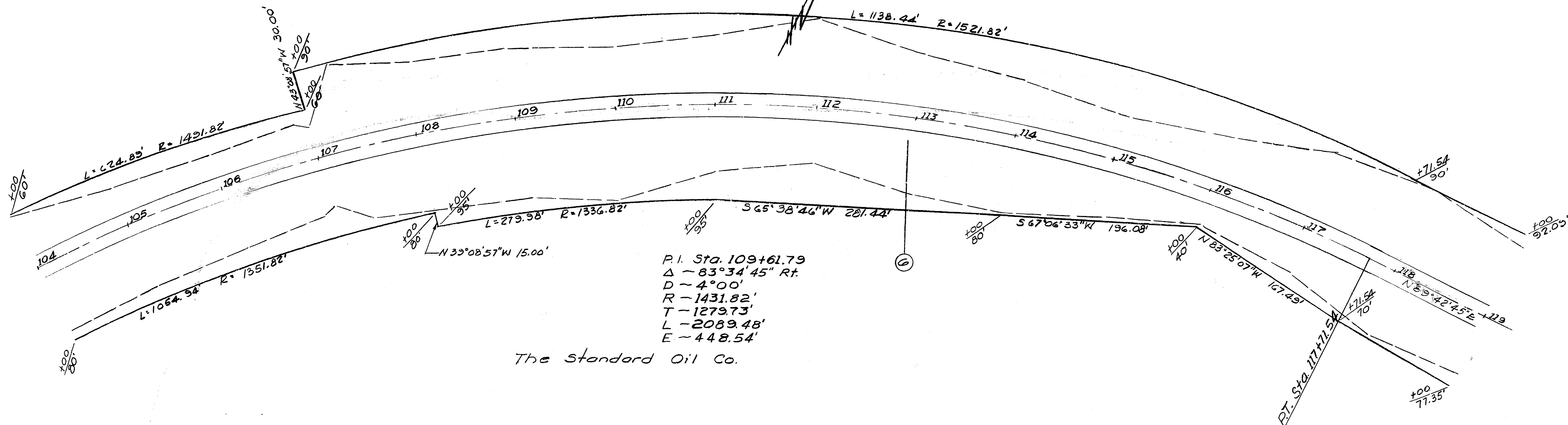
52
54

Solo Adgate Zurmehly et. al.



RIGHT-OF-WAY STA. 70+00 TO STA. 104+00

The Standard Oil Co.



The Standard Oil Co.

