

FED. RD. DIST. NO.	STATE	PROJECT	FISCAL YEAR
10	OHIO		1940

TUSCARAWAS COUNTY
S.H. 547 SEC. A-1 &
TUSCARAWAS (PT.)

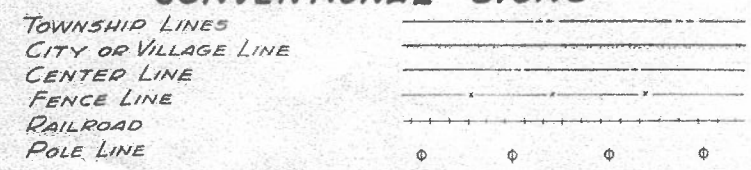
STATE OF OHIO
DEPARTMENT OF HIGHWAYS

LOCK 17-NEW PHILADELPHIA-NORTHERN ROAD

S. H. 547 SECS. A-1 & TUSCARAWAS (PT.)

TUSCARAWAS COUNTY
CLAY & WARWICK TOWNSHIPS
& VILLAGE OF TUSCARAWAS

CONVENTIONAL SIGNS



INDEX OF SHEETS

TITLE SHEET	SHEET No. 1
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SCALES

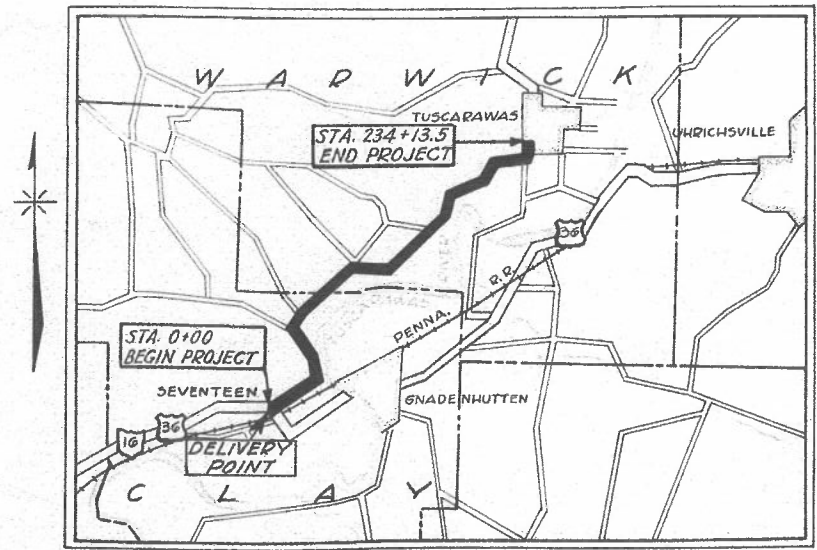
PLAN	1"=100'
PROFILE - VERTICAL	1"=10'
PROFILE - HORIZONTAL	1"=100'

STANDARD DRAWINGS

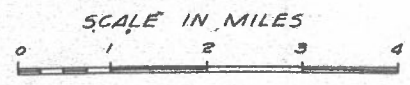
G-7.07 10-33

SUPPLEMENTAL SPECIFICATIONS

T-137 Revised March 12, 1940
M-105.11 Adopted June 5, 1939



LOCATION PLAN



PORTION TO BE IMPROVED

STATE ROADS

COUNTY ROADS

DELIVERY POINT

LOCK SEVENTEEN

AVERAGE HAUL

2.5 MI.

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF HIGHWAYS, 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 NOT REQUIRE THE CLOSING OF THE HIGHWAY TO TRAFFIC AND PROVISIONS FOR THE MAINTENANCE OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATE.

THE RIGHT-OF-WAY NECESSARY FOR THIS IMPROVEMENT WILL BE PROVIDED BY THE STATE OF OHIO.

APPROVED Harvey J. Brown
DATE 7/2/40 RESIDENT (DISTRICT DEPUTY DIRECTOR)

APPROVED E.R. McCullough
DATE 7/3/40 RESIDENT DIVISION DEPUTY DIRECTOR

APPROVED J. Howe P.E. 25
DATE 7-12-40 CHIEF ENGINEER, LOCATION & RIGHT OF WAY

APPROVED _____
DATE _____ CHIEF ENGINEER OF MAINTENANCE

APPROVED _____
DATE _____ CHIEF ENGINEER OF BRIDGES & R.R. KINGS

APPROVED J.D. Kern
DATE 7-13-40 CHIEF ENGINEER & ASSISTANT DIRECTOR

APPROVED Robt. O. Beigler
DATE 7-13-40 DIRECTOR OF HIGHWAYS

LINE DATA

BEGIN PROJECT	STA. 0+00
END PROJECT	STA. 234+13.5
GROSS LENGTH OF PROJECT	23,413.5 LIN. FT.
DEDUCTIONS	NONE
NET LENGTH OF PROJECT	23,413.5 LIN. FT. = 4.434 MI.

LE TUSCARAWAS COUNTY S.H. 547 SECA-1
DATE OF LETTING _____
CONTRACT N° _____

TYPICAL SECTION & SUMMARY OF QUANTITIES TYPE T-137

• PAVEMENT CALCULATIONS •

Begin Project Sta. 0+00
End Project Sta. 234+13.5
Gross Length of Project 23,413.5 Lin. Ft.
Deductions None
Net Length of Project 23,413.5 Lin. Ft.

Item T-137 Oil Aggregate Surface Course.

$\frac{23413.5 \times 20 \times 2.25}{27 \times 1.2} = 3252$ Cu. Yds.
Extra Widening (See Sh. 3) = 3 Cu. Yds.
Total = 3255 Cu. Yds.

Item T-137 Oil Aggregate Patching

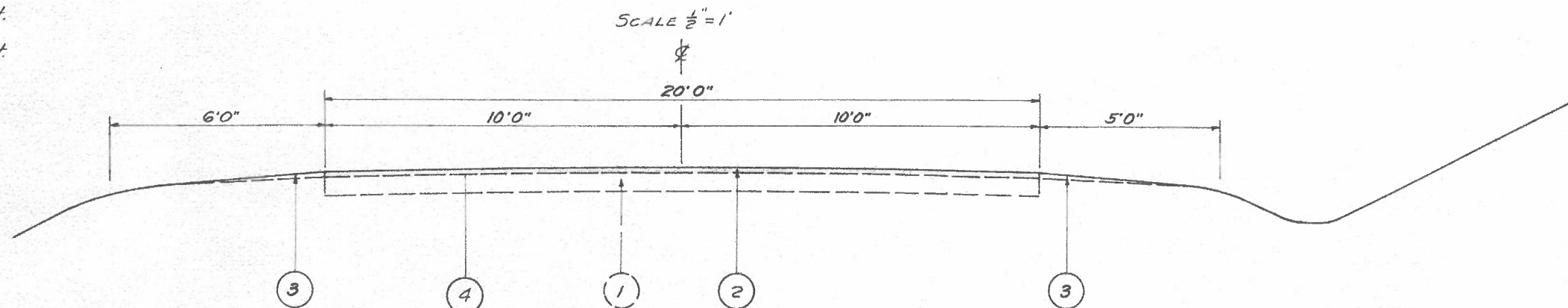
$4.434 \times 50 = 222$ Cu. Yds.

Item T-30 Prime Coat

$[(23413.5 \times 20) \div 9] \times 0.20 = 10,406$ gals.

• KEY •

- ① 6" of Traffic Bound Macadam, Oil Treated.
- ② Item T-137 Oil Aggregate Surface Course, 1 $\frac{3}{4}$ " min., 2 $\frac{1}{4}$ " average depth.
- ③ Item E-4 Borrow
- ④ Item T-30 Prime Coat.



• SUMMARY OF QUANTITIES •

ITEM	QUANTITY	UNIT	DESCRIPTION
T-30	10,406	Gals.	Bituminous Prime Coat Sec. M-5.10 MC-1
T-137	3,255	Cu. Yds.	Oil Aggregate Surface Course.
T-137	222	Cu. Yds.	Oil Aggregate Patching
E-4	1000	Cu. Yds.	Borrow
	Lump	Sum	Maintaining traffic, including lights, signs, barricades and watchmen twenty-four (24) hours daily.

GENERAL NOTES

SHOULDERS & SLOPES- Item E-4 borrow shall be used to build up berms, and shall include the thorough compaction of earthwork and the final operations of grading necessary to finish the shoulders and slopes to approximately the lines indicated on the typical sections. The use of template and fine hand grading will not be required on this project.

PROFILE: The profile of the Oil Aggregate Surface Course shall be approximately 1 $\frac{3}{4}$ " above that of the existing pavement.

EMBANKMENT- Watering embankments, density requirements and benching, as referred to in Sec. E-1.05 of the general specifications, will not be required on this project.

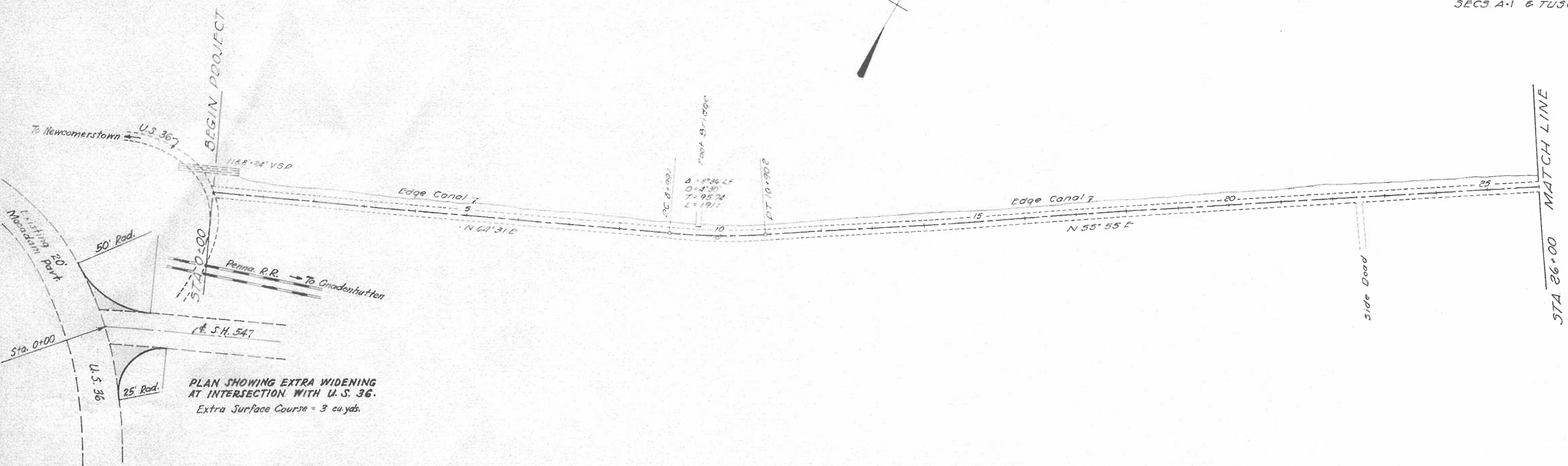
TRAFFIC: Traffic shall be maintained at all times to the satisfaction of the Division Engineer. The item of maintaining traffic shall include furnishing signs, barricades, lights and watchmen necessary to secure the unimpeded flow of traffic twenty-four (24) hours daily.

PRIME COAT- Bituminous prime, if used, shall be applied at the rate of not more than 0.20 gal. per square yard and shall be permitted to penetrate the old pavement before the surface course is applied. The necessity for using prime coat will be determined by the engineer before the contractor orders the material for this item.

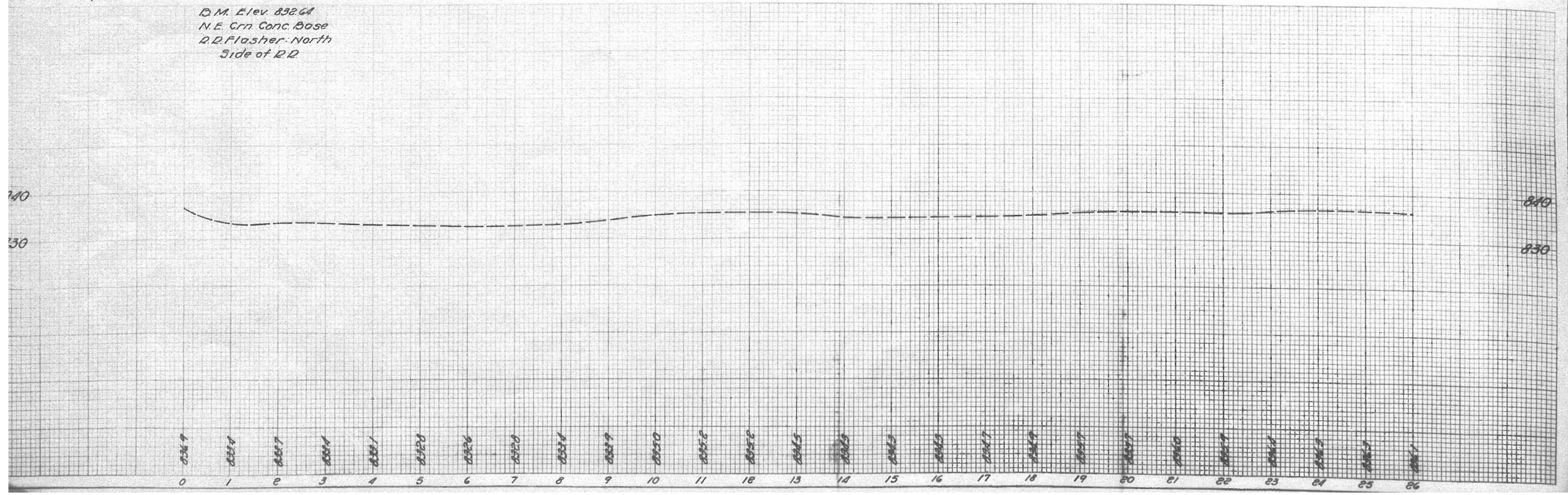
FED. RD. DIST. NO.	STATE	PROJECT	FISCAL YEAR
10	OHIO		1960

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TUSCADAWAS COUNTY
S.H. 547
SECS. A-1 & TUSCADAWAS (PT)



D.M. Elev. 838.64
N.E. Grn. Conc. Base
D.D. Flasher - North
Side of R.R.



STA 26+00 MATCH LINE

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TUSCARAWAS COUNTY
S. H. 547
SECS. A-1 & TUSCARAWAS (PT.)

PC 26+728

$\Delta = 5^{\circ}10' L$
 $D = 2^{\circ}00'$
 $T = 129.25'$
 $L = 268.34'$

PT 29+311

PC 29+975

$\Delta = 22^{\circ}37' L$
 $D = 12^{\circ}00'$
 $T = 95.48'$
 $L = 188.47'$

PT 31+822

PC 32+50

$\Delta = 20^{\circ}00' L$
 $D = 6^{\circ}40'$
 $T = 151.54'$
 $L = 300.0'$

$\Delta = 20^{\circ}00' L$
 $D = 6^{\circ}00'$
 $T = 126.29'$
 $L = 250.0'$

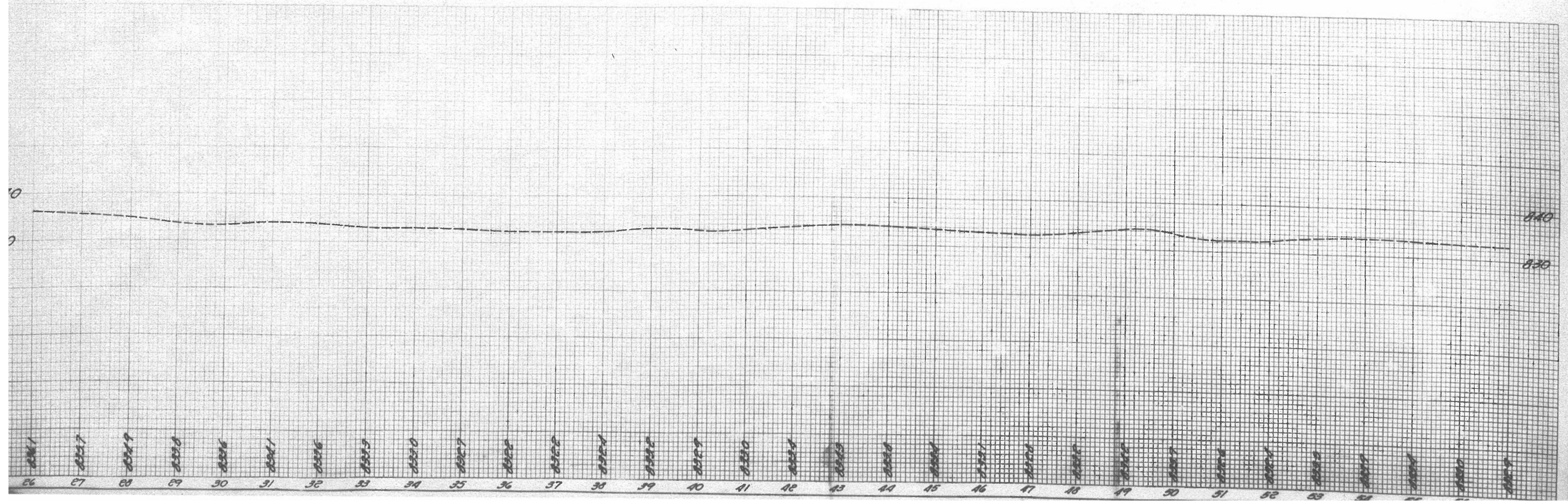
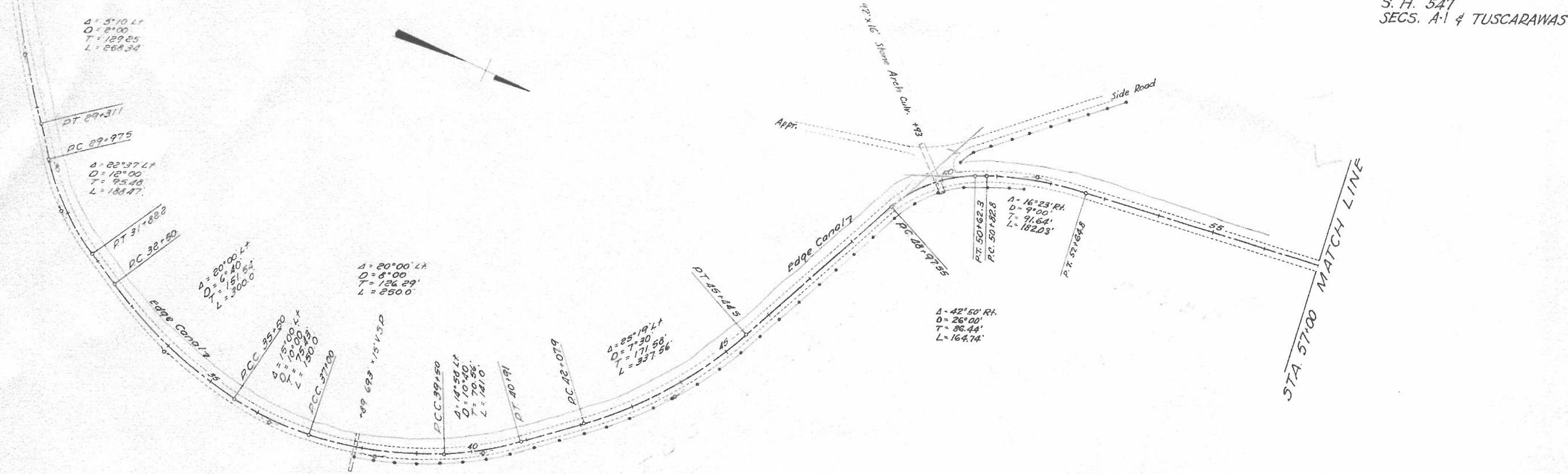
$\Delta = 15^{\circ}00' L$
 $D = 10^{\circ}00'$
 $T = 125.00'$
 $L = 180.0'$

$\Delta = 14^{\circ}59' L$
 $D = 10^{\circ}40'$
 $T = 70.56'$
 $L = 147.0'$

$\Delta = 25^{\circ}19' L$
 $D = 7^{\circ}30'$
 $T = 171.58'$
 $L = 337.56'$

$\Delta = 42^{\circ}50' R$
 $D = 26^{\circ}00'$
 $T = 86.44'$
 $L = 164.74'$

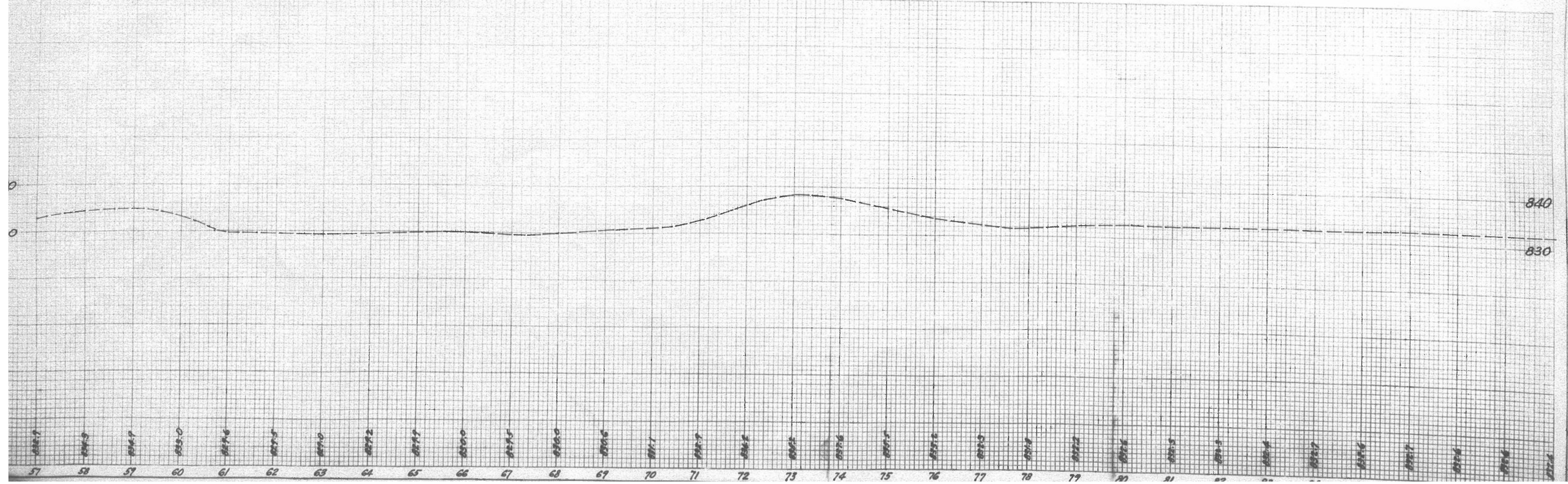
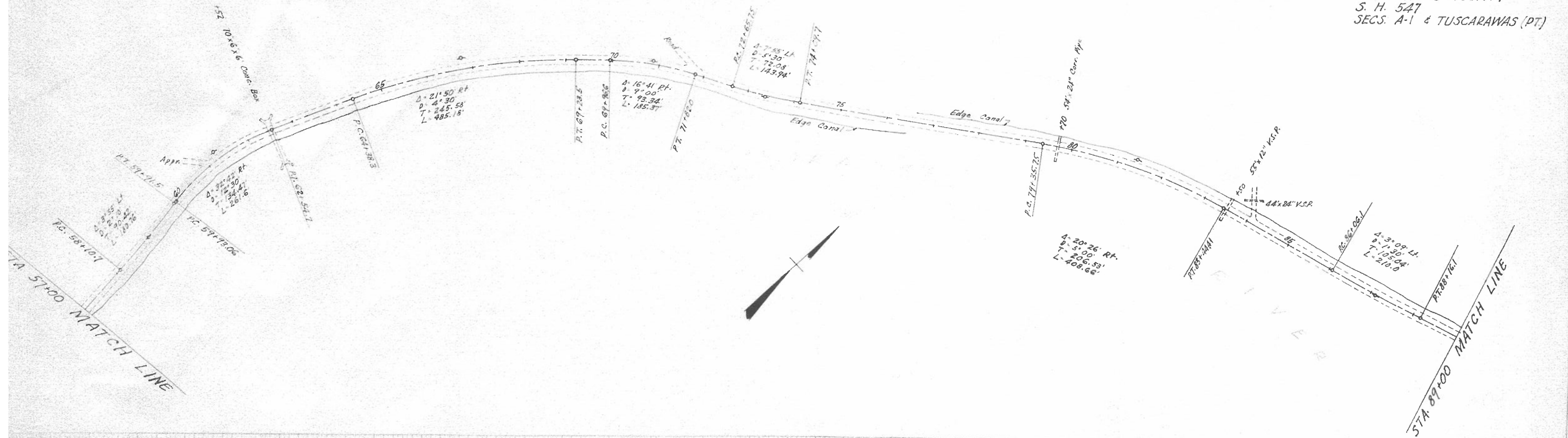
$\Delta = 16^{\circ}23' R$
 $D = 9^{\circ}00'$
 $T = 91.64'$
 $L = 182.03'$



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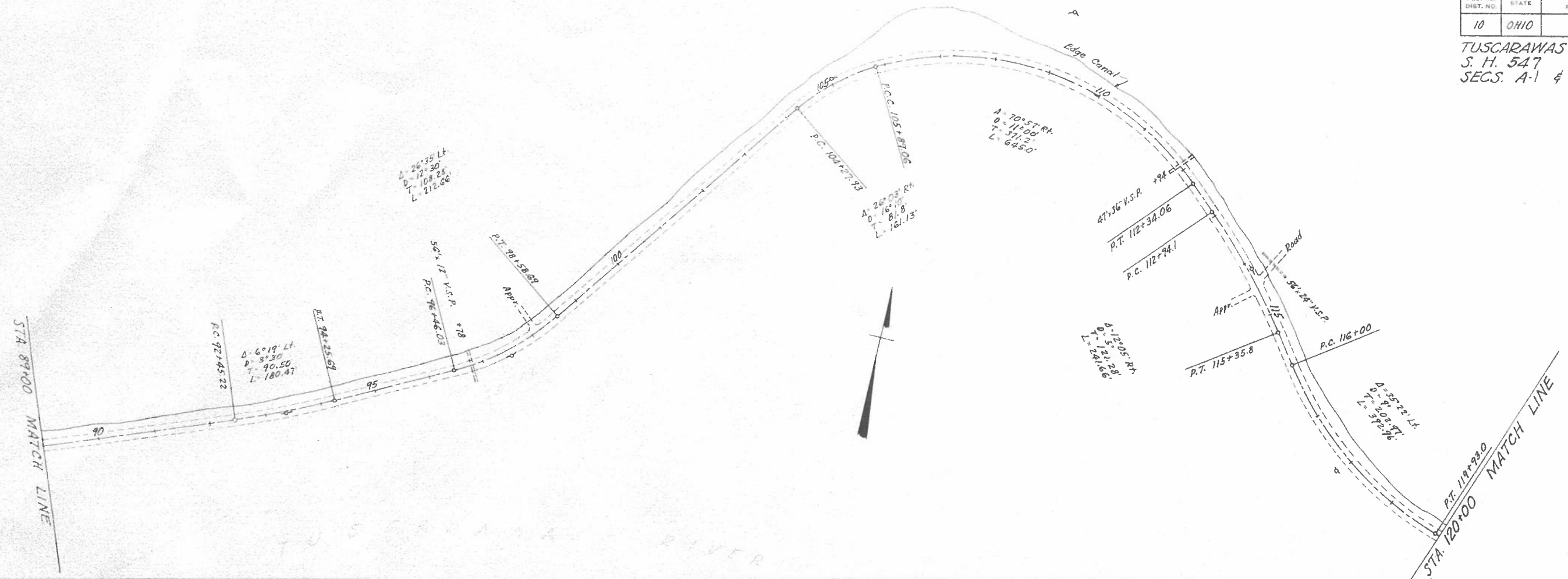
TUSCARAWAS COUNTY
S. H. 547
SECS. A-1 & TUSCARAWAS (PT)



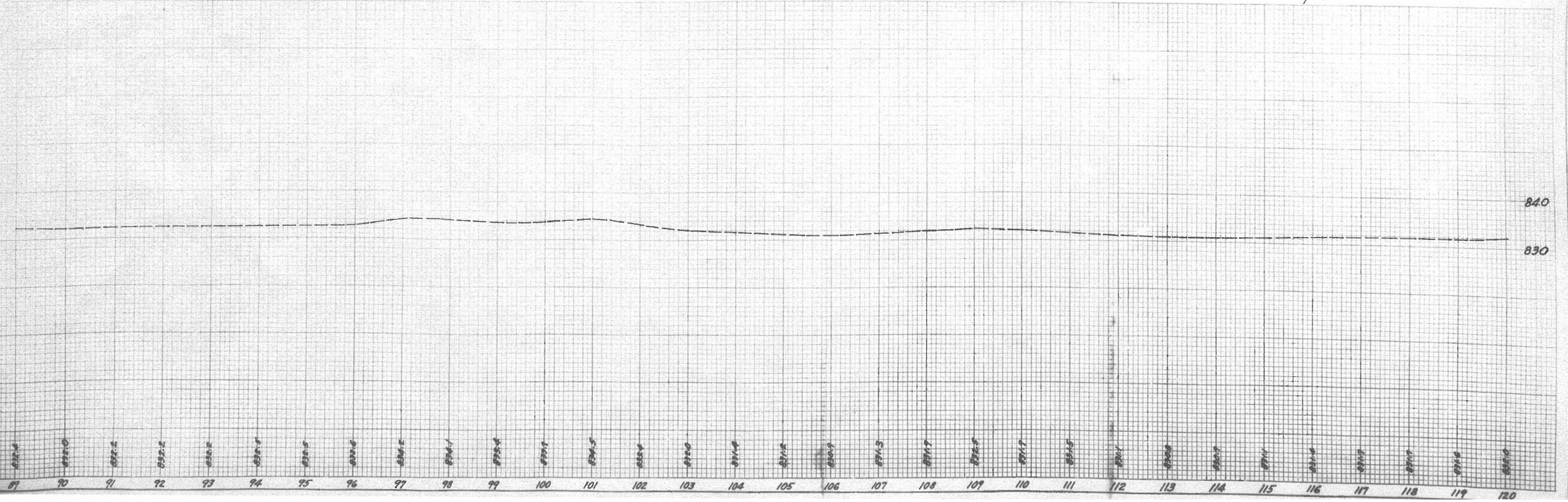
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TUSCARAWAS COUNTY
S. H. 547
SECS. A-1 & TUSCARAWAS (PT.)



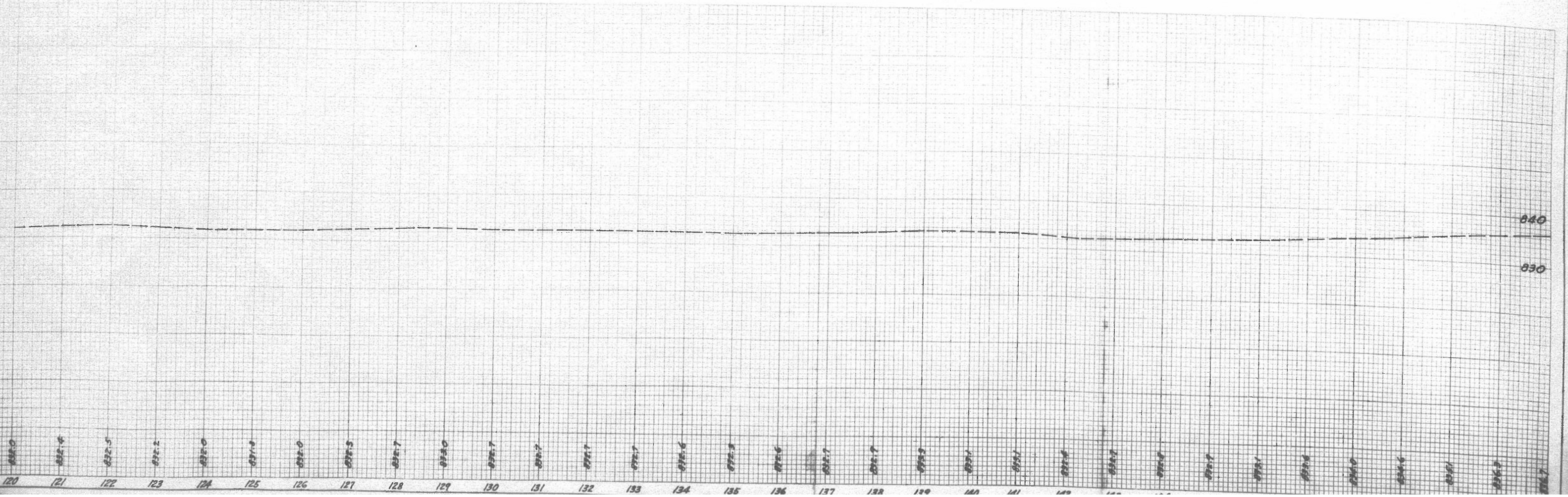
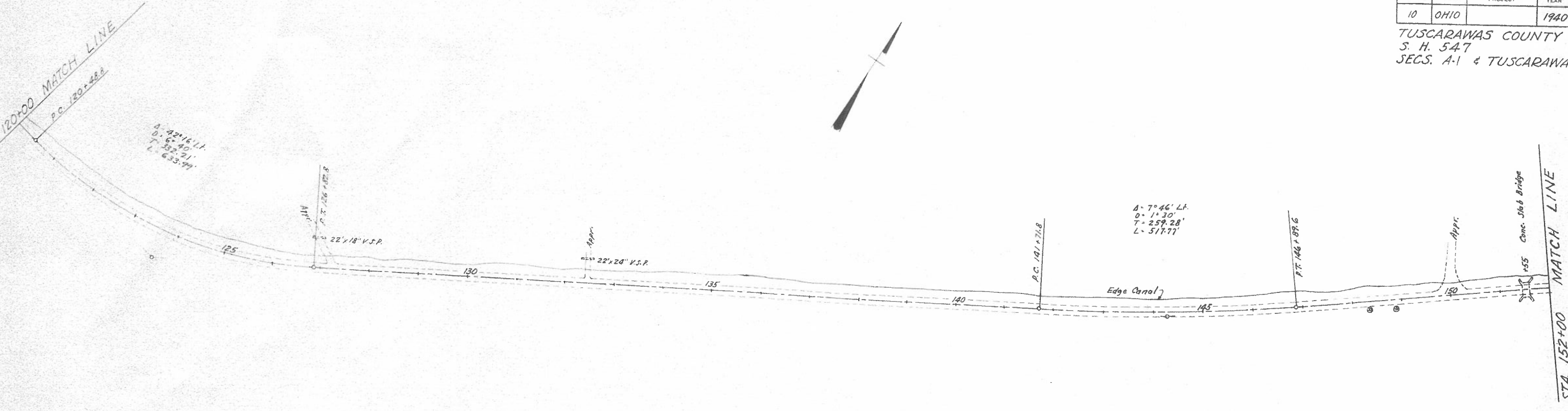
TUSCARAWAS RIVER



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TUSCARAWAS COUNTY
S. H. 547
SECS. A-1 & TUSCARAWAS (PT.)



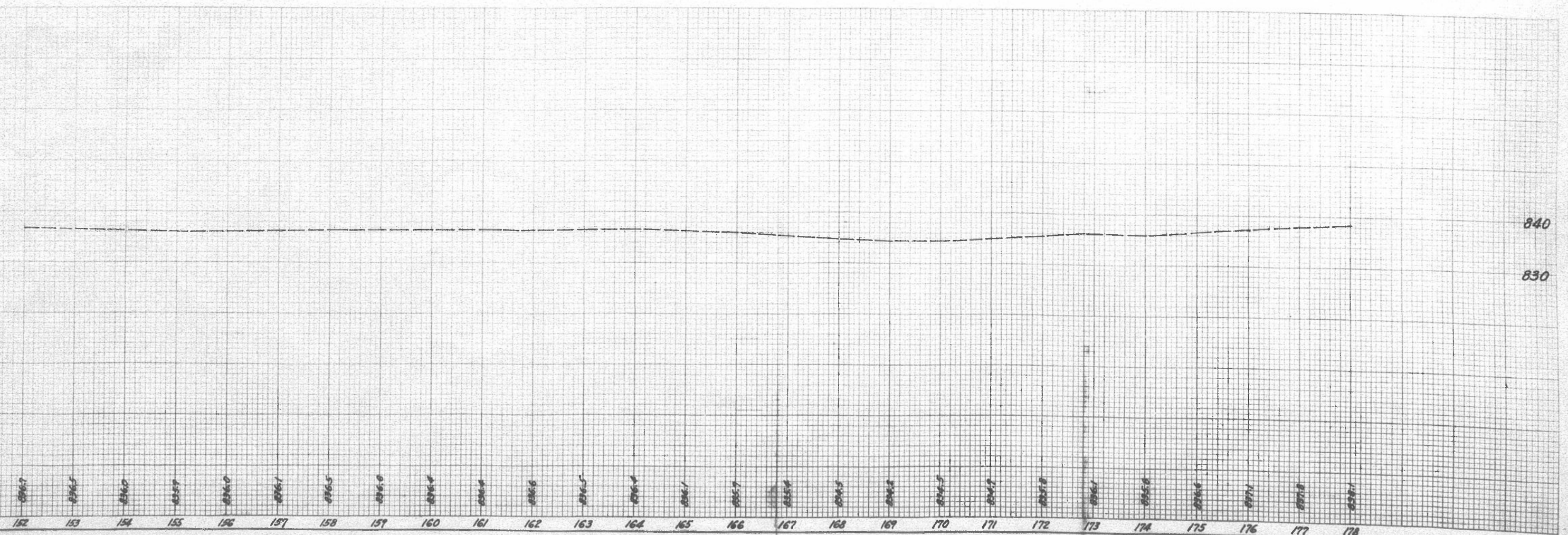
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TUSCARAWAS COUNTY
S. H. 547
SECS. A-1 & TUSCARAWAS (PT.)



TUSCARAWAS RIVER

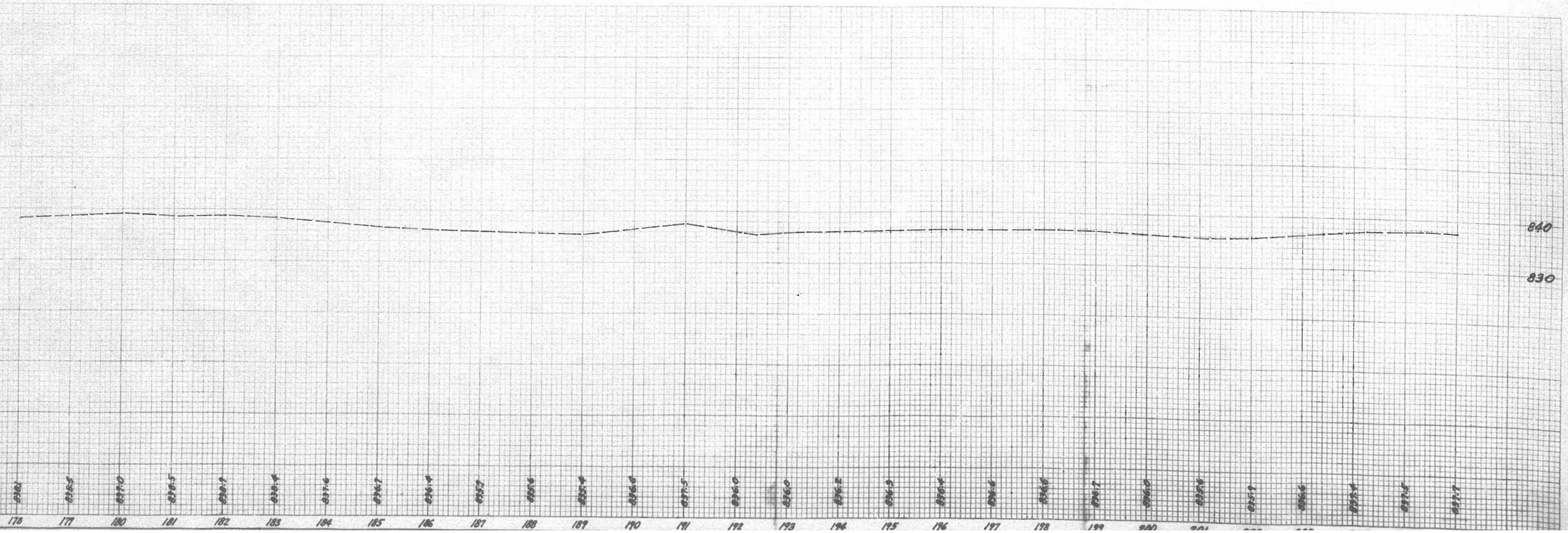
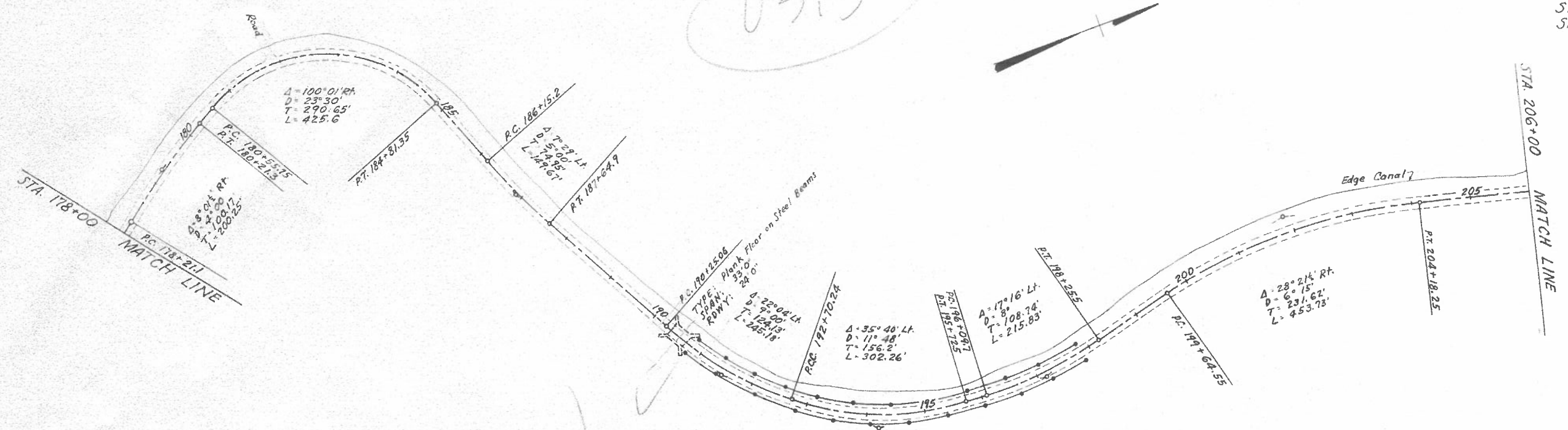


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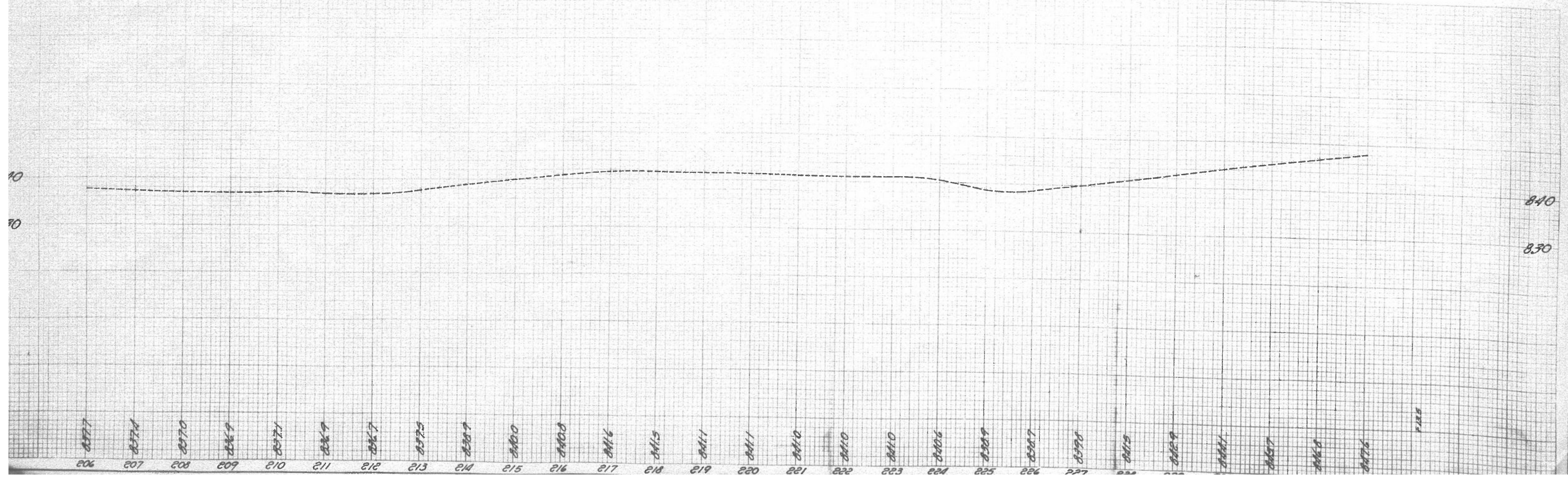
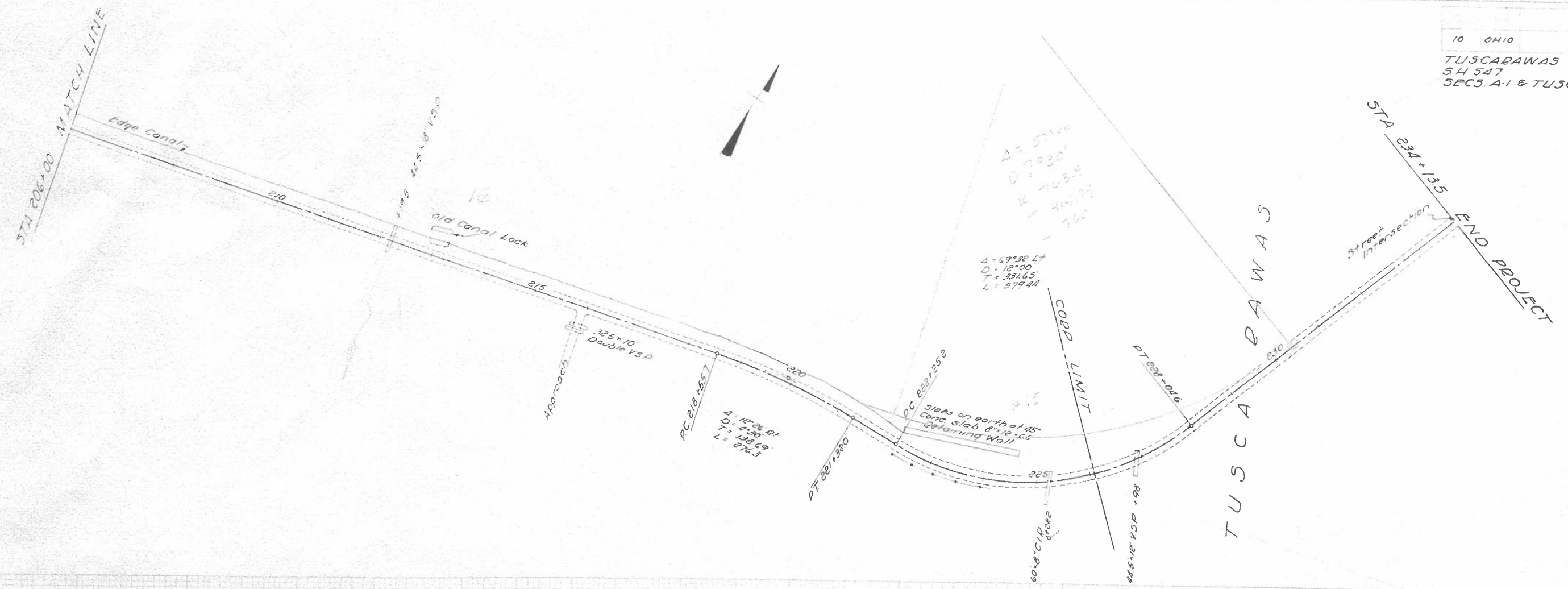
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TUSCARAWAS COUNTY
S.H. 547
SECS. A-1 & TUSCARAWAS (PT.)

0313



10 OHIO 1940 10
 TUSCARAWAS COUNTY
 SH 547
 SECS. A-1 & TUSCARAWAS (PT)



TUSCARAWAS CO. - SH 547 - A-1 & TUSCARAWAS (PT)