FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
2	OHIO		1947

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COLUMBIANA COUNTY
S.H. 381 SEC. SALINEVILLE (PT.), S, B-1 & B-2
COL-39-2.10
CAN # 67

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
SALINEVILLE-WELLSVILLE ROAD
S.H. 381 SEC. SALINEVILLE (PT.), S, B-1 & B-2
COLUMBIANA COUNTY
VILLAGE OF SALINEVILLE & WASHINGTON TOWNSHIP

NET LENGTH OF PROJECT 26698.7 OR 5.056 MILES

CONVENTIONAL SIGNS

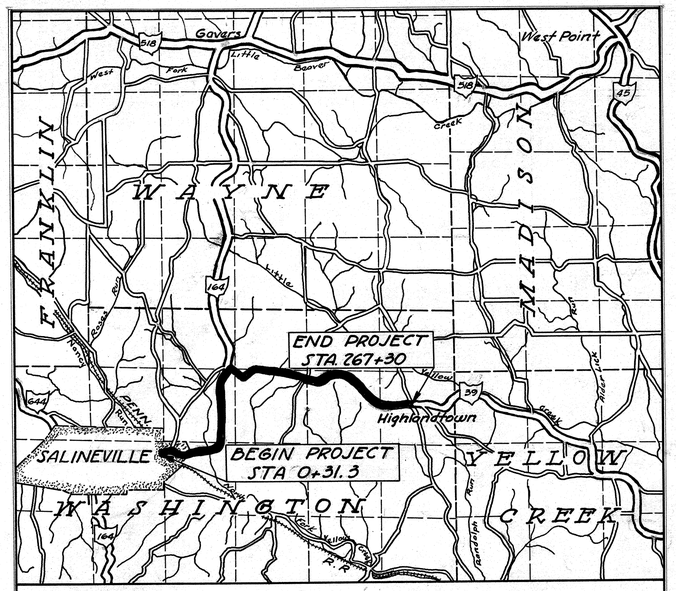
COUNTY LINE
TOWNSHIP LINE
SECTION LINE
CORPORATION LINE
PROPERTY LINE
FENCE LINE
CENTER LINE
RAILROADS

INDEX OF SHEETS

TITLE SHEET — SHEET 1
TYPICAL SECTION & GENERAL SUMMARY — " 2
PLAN & PROFILE — " 3-11

LINE DATA

BEGIN PROJECT — STA. 0+31.3
END SEC. SALINEVILLE — STA. 30+00
NET LENGTH SEC. SALINEVILLE (PT.) = 2968.7 LIN. FT.
BEGIN SEC. S — STA. 30+00
END PROJECT — STA. 267+30
NET LENGTH SEC. S, B-1 & B-2 — 23730 LIN. FT.
NET LENGTH OF PROJECT — 26698.7 LIN. FT. OR 5.056 MILES



AVERAGE HAUL = 2.6 MILES
DELIVERY POINT - SALINEVILLE, OHIO

LOCATION PLAN

SCALE 1" = 1 MILE

PORTION TO BE IMPROVED
STATE HIGHWAYS
OTHER ROADS

SCALES

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

The Standard Specifications of the State of Ohio, Department of Highways, including changes and Supplemental Specifications listed in the proposal shall govern this improvement.

I hereby approve these plans and declare that the making of this improvement will not require the closing to traffic of the highway, and that traffic will be maintained as provided in these plans and estimates.

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

Approved E. R. McCullough
Date 2/18/47 Resident Deputy Director (Acting)

Approved E. R. McCullough
Date 2/18/47 Division Deputy Director

Approved ____
Date ____ Chief Engineer, Bureau of Maintenance

Approved G. S. Sloane
Date 3-10-47 Chief Engineer, Bureau of Bridges & R.R. Crossings

Approved George F. Hornung
Date 3/10/47 Chief Engineer, Bureau of Location & Design

Approved ____
Date ____ First Asst. Director & Chief Engineer

Approved Murray D. Shaffer
Date 3-11-47 Director of Highways

CONSTRUCTION BUREAU
NOV 14 1956
GROUND PHOTOLAB

STANDARD DRAWINGS			
6-8.07	2-1-47		

SUPPLEMENTAL SPECIFICATIONS	
188	1-3-47

FILE Nº	COLUMBIANA COUNTY S.H. 381 SEC.-SALINEVILLE (PT.), S, B-1 & B-2
	DATE OF LETTING _____ 194__
	CONTRACT Nº _____

FED. RD. DIVISION	STATE	PROJECT	FISCAL YEAR
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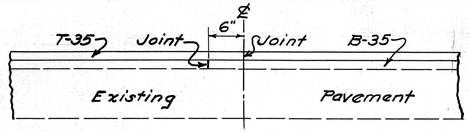
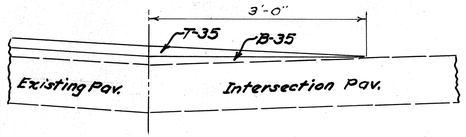
COLUMBIANA COUNTY
S.H. 381 SEC'S. SALINEVILLE (PT.), S, B-1 & B-2.

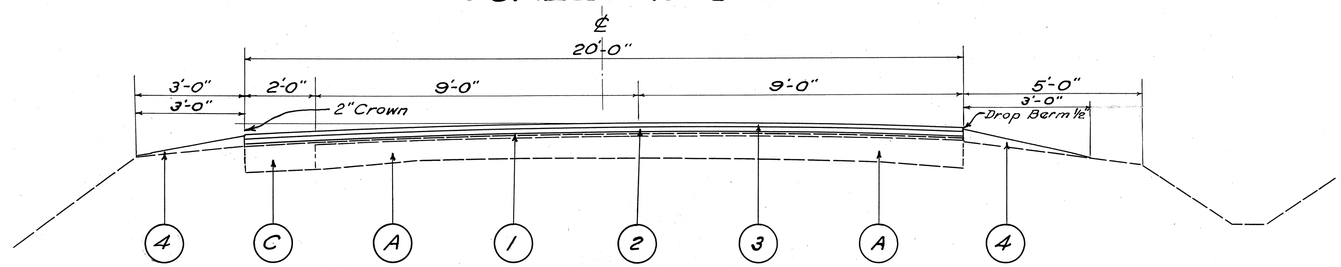
TYPICAL SECTIONS
TYPE T-35
SCALE ½"=1'-0"



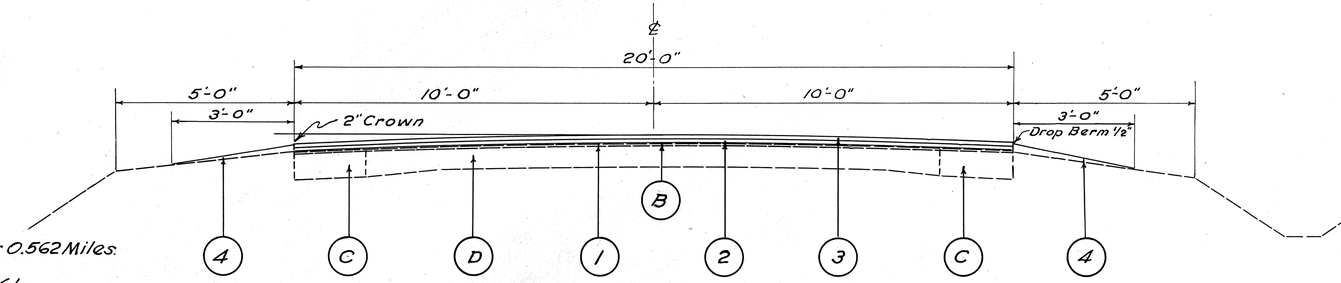
METHOD OF LAPPING LONGITUDINAL JOINTS



INTERSECTION DETAIL



STA. 0+31.3 TO STA. 30+00.



STA. 30+00 TO STA. 267+30.

~KEY~

- (A) Existing 18' Concrete Pavement.
- (B) Existing T-31 Surface Course.
- (C) Existing 2' Bituminous Macadam Widening.
- (D) Existing 16' Concrete Pavement.
- (1) T-30 Bituminous Tack Coat using 0.10 Gal. per Sq. Yd. M-5.5 MS-1.
- (2) B-35 1" Minimum Asphaltic Concrete Leveling Course.
- (3) T-35 1¼" Asphaltic Concrete Surface Course, Type-A.
- (4) I-17 Berm Material (3'-0" Wide).

GENERAL NOTES

TRAFFIC:- Traffic shall be maintained at all times in accordance with the requirements of Section G-8.07. The length of one way traffic zones shall be kept to a minimum consistent with the requirements of Section T-35.23. The item of "Maintaining Traffic" shall include furnishing lights, signs, barricades and watchmen necessary to secure the flow of traffic twenty-four (24) hours daily.

PROFILE:- The profile of the proposed surface course shall be approximately 2¼" inches above that of the existing pavement.

TACK COAT INCLUDING SAND COVER:- Bituminous Tack Coat, Section M-5.5, MS-1 shall be applied at the rate of 0.10 gal. per square yard. After the bituminous material has been applied, all material not required to give a uniform coating to the surface shall be swept into all cracks and open joints before the sand cover is placed. Sand cover shall be uniformly spread at a rate of from 2 to 5 pounds per square yard. The sand shall be spread at such time and shall be in such condition that it will adhere to the bituminous material. Cost of sand cover shall be included in the price bid per gallon for bituminous material.

FILLING MAJOR DEPRESSIONS:- Major depressions in existing pavement shall be filled and compacted with bituminous concrete leveling material in advance of placing the regular leveling course. These depressions shall be filled in layers not to exceed 3 inches in depth when compacted.

EXTRA LEVELING MATERIAL:- The Asphaltic Concrete Leveling Course thickness shall be maintained by the use of the extra leveling material where necessary.

I-17 GRADING REQUIREMENTS:- The grading requirements for material passing the No. 200 mesh sieve, as specified in Sec. I-17.02 is hereby modified as follows:
passing 200 mesh sieve - 0% to 20%,
provided compaction is obtained in accordance with Sec. I-17.02.

PAVEMENT CALCULATIONS

SEC. SALINEVILLE (PT.)

Net Length Sec. Salineville (Pt.) = 2968.7 Lin. Ft. or 0.562 Miles.
Area = 2968.7 X 20 ÷ 9 = 6597 Sq. Yds.
Add for Extra Widening (See Sheet 3) = 566 Sq. Yds.
Net Area Sec. Salineville (Pt.) 7163 Sq. Yds.

T-30 TACK COAT

7163 Sq. Yds. - 117 Sq. Yds. (Waterproofing Bridge Deck) = 7046 X 0.1 = 705 Gals.

B-35 LEVELING COURSE

7163 X 1 ÷ 36 = 199 Cu. Yds.
Extra Leveling 150 X 0.562 = 84 Cu. Yds.
Total B-35 = 283 Cu. Yds.

T-35 SURFACE COURSE

7163 X 1.25 ÷ 36 = 249 Cu. Yds.

S-3 WATERPROOFING, TYPE "C" (BRIDGE DECK)

See Sheet 3 117 Sq. Yds.

I-17 BERM MATERIAL

Estimated 200 Cu. Yds.

SEC'S. S, B-1 & B-2

Net Length, Sec's. S, B-1 and B-2 = 23730 Lin. Ft. or 4.494 Miles
Area = 23730 X 20 ÷ 9 = 52733 Sq. Yds.
Add for Extra Widening (See Sheets 4 to 11) = 2915 Sq. Yds.
Net Area Sec's. S, B-1 and B-2 = 55648 Sq. Yds.

T-30 TACK COAT

55648 Sq. Yds. - 85 Sq. Yds. (Waterproofing Bridge Deck = 55563 X 0.1 = 5556 Gals.

B-35 LEVELING COURSE

55648 X 1 ÷ 36 = 1546 Cu. Yds.
Extra Leveling 4.494 X 150 = 674 Cu. Yds.
Total 2220 Cu. Yds.

T-35 SURFACE COURSE

55648 X 1.25 ÷ 36 = 1932 Cu. Yds.

S-3 WATERPROOFING TYPE "C" (BRIDGE DECK)

See Sheet 4 85 Sq. Yds.

I-17 BERM MATERIAL

Estimated 1600 Cu. Yds.

SUMMARY OF QUANTITIES

ITEM	QUANTITY SALINEVILLE	QUANTITY RURAL	QUANTITY TOTAL	UNIT	DESCRIPTION
T-30	705	5556	6261	Gal's.	Bituminous Tack Coat Sec. M-5.5 MS-1
B-35	283	2220	2503	Cu. Yds.	Asphaltic Concrete Leveling Course, As Per Plan
T-35	249	1932	2181	Cu. Yds.	Asphaltic Concrete Surface Course. Type "A", As Per Plan
S-3	117	85	202	Sq. Yds.	Waterproofing, Type "C"
I-17	200	1600	1800	Cu. Yds.	Side Approaches, Mail Box Turnouts and Berm Material.
			Lump	Lump	Maintaining Traffic, including Lights, Signs, Barricades and Watchmen, twenty-four hours daily.

FED. RD. DIV.	STATE	PROJECT	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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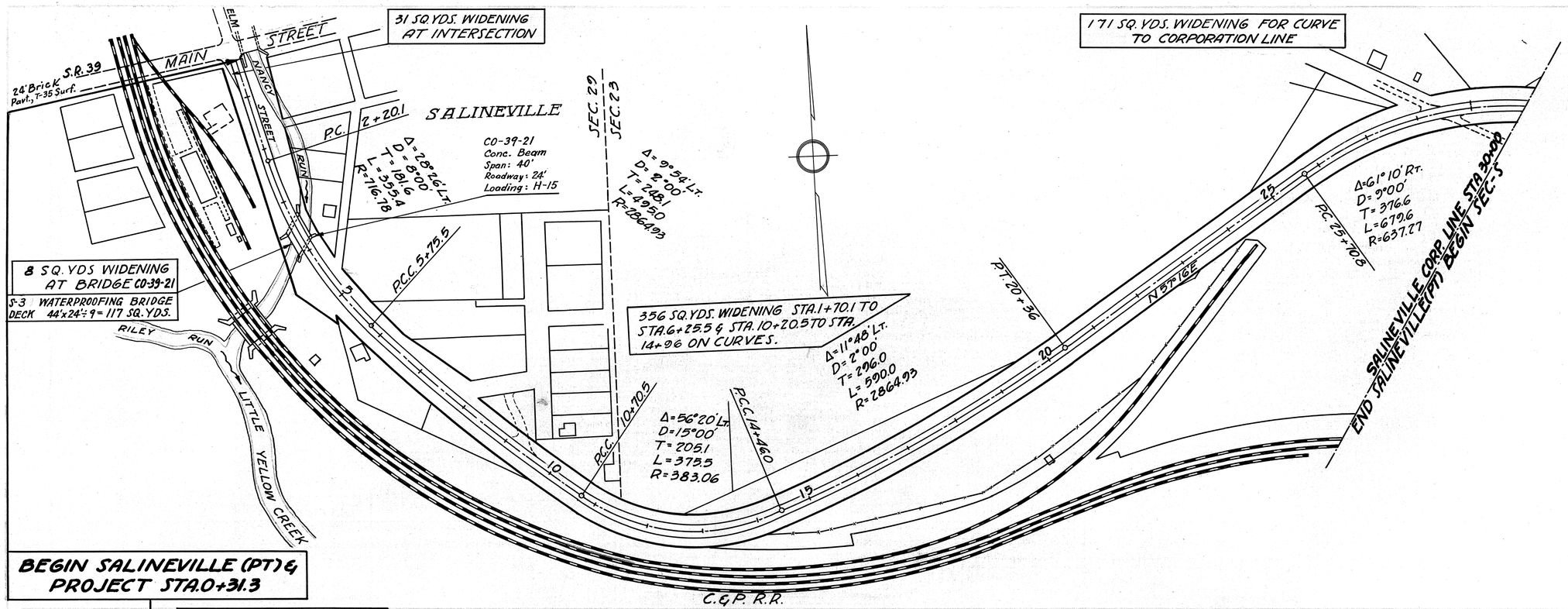
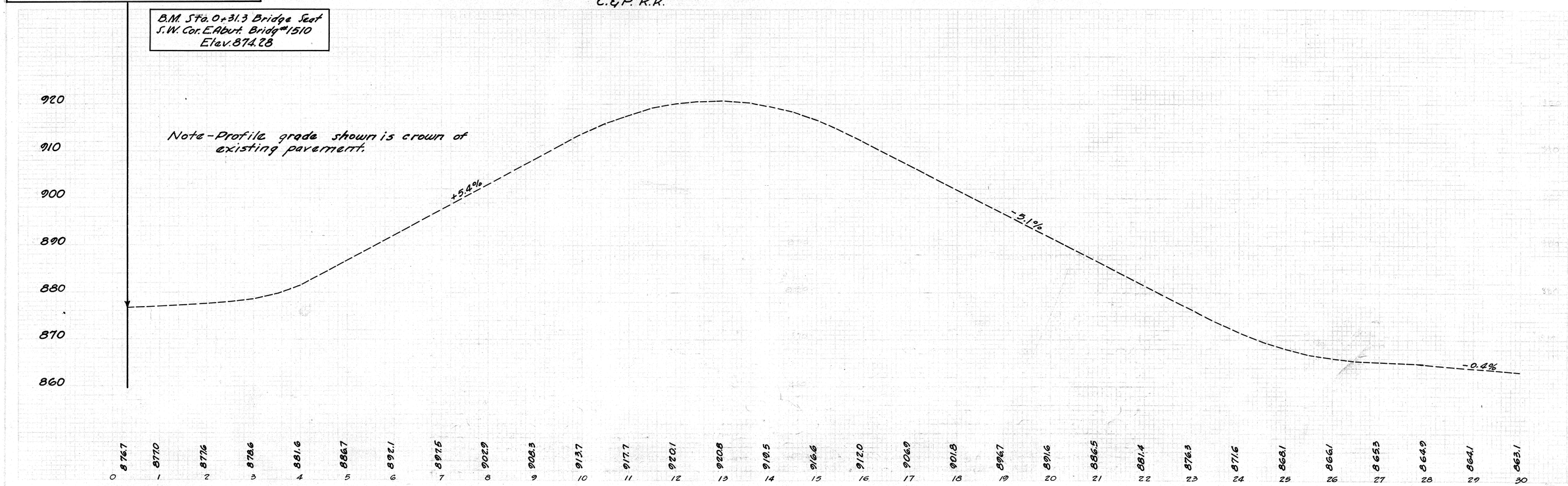
COLUMBIANA COUNTY
S.H 381 SEC. SALINEVILLE (PT.)
S, B-1 & B-2





FED. RD. DIV. NO.	STATE	PROJECT	FISCAL YEAR	4
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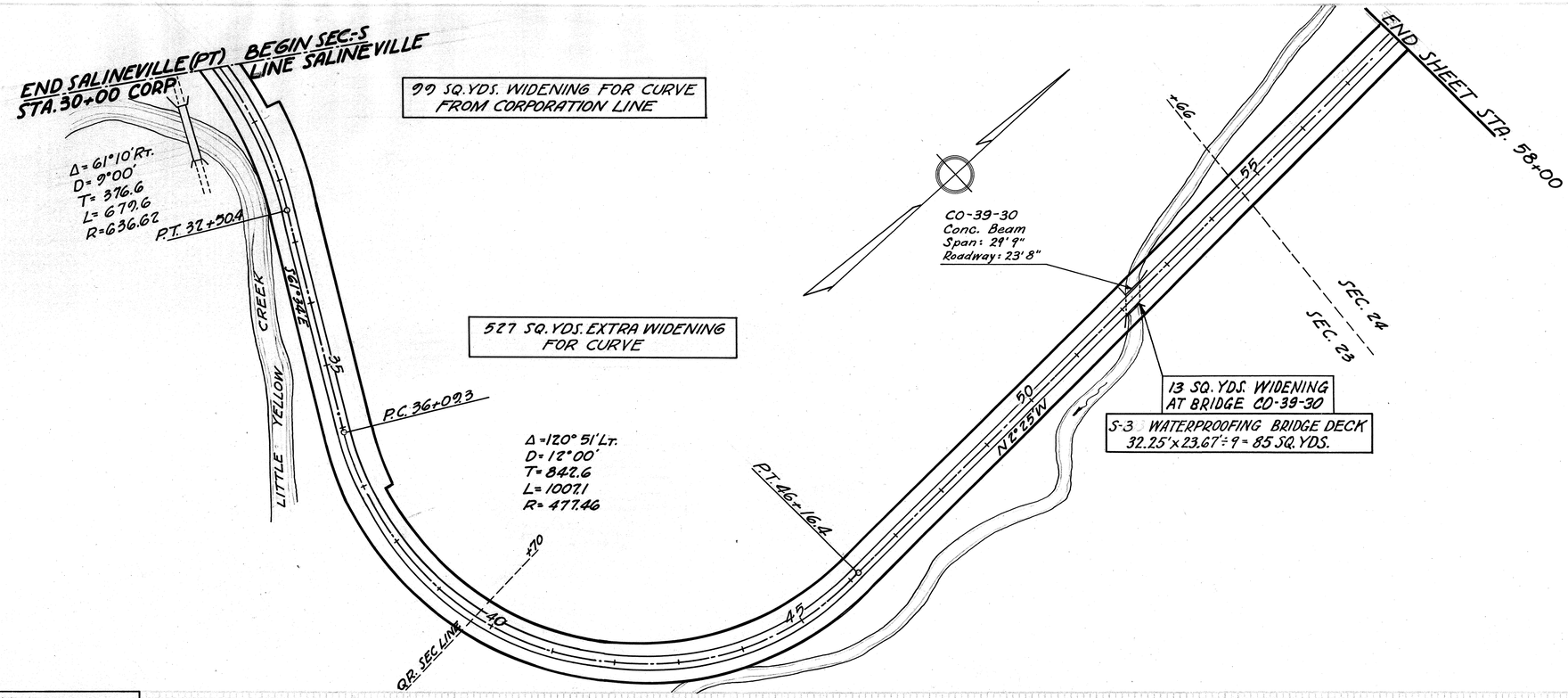
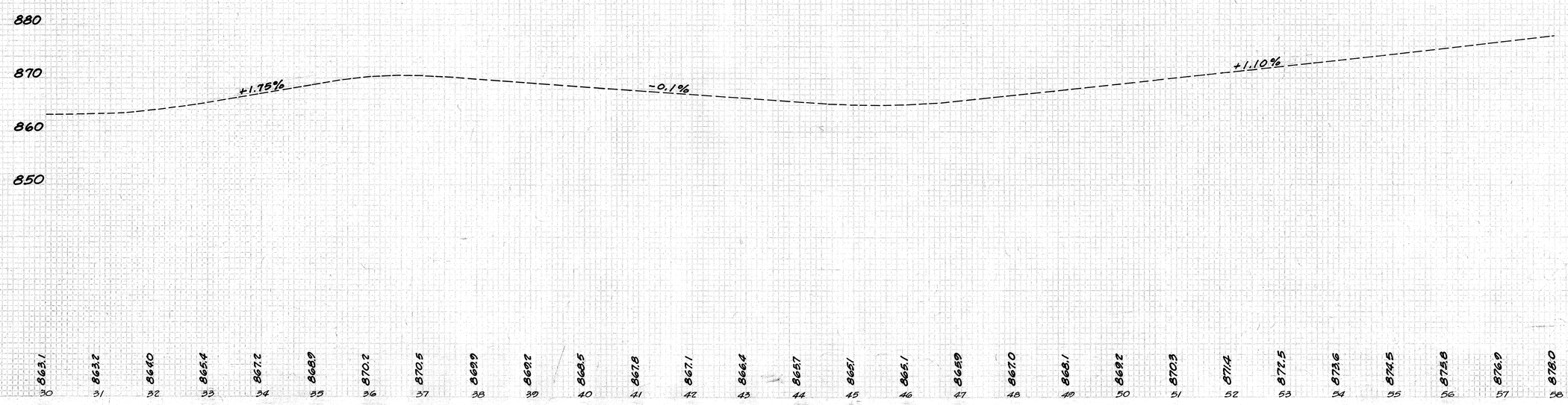
COLUMBIANA COUNTY
S.H.381 SEC. SALINEVILLE(PT.),
S. B-1 & B-2



B.M.-Bottom Cor. Strip
S.E. Cor. House Lt. Sta. 27+50
Elev. 865.06



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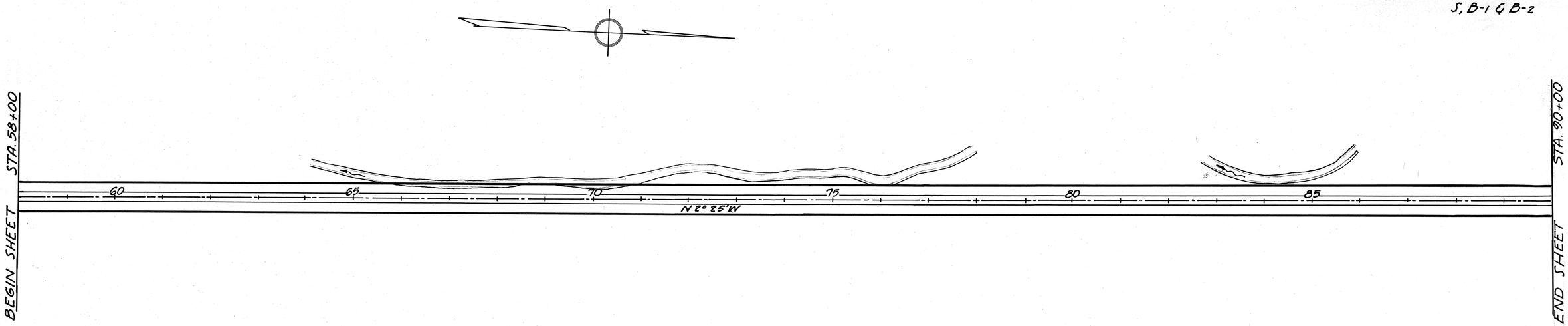
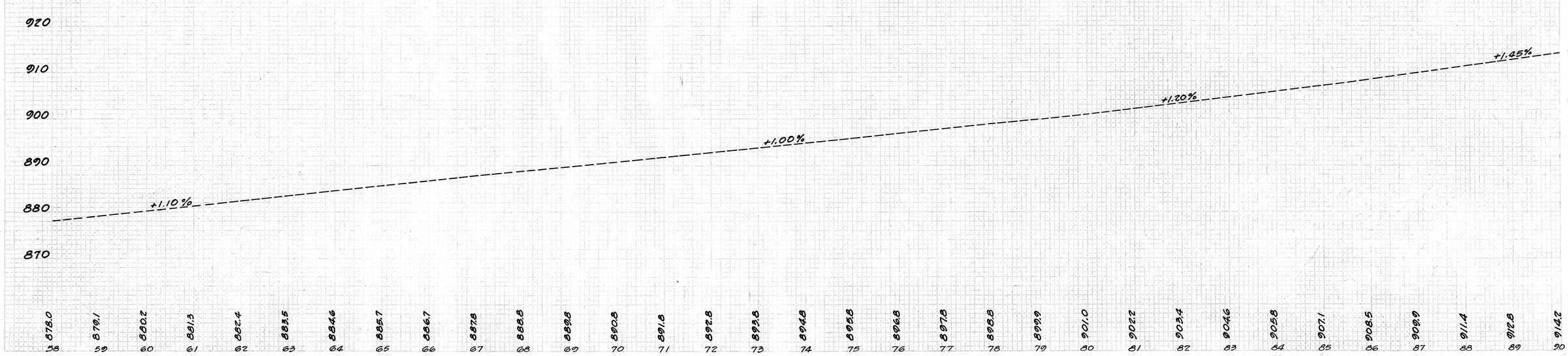
COLUMBIANA COUNTY -
S.H. 381 SEC. SALINEVILLE (PT.),
S, B-1 & B-2



B. M-24" Sycamore 100' Ft. Lt
Sta. 79+60
Elev. 895.8



DIV.	REF. NO.	STATE	PROJECT	PLAN NO.	
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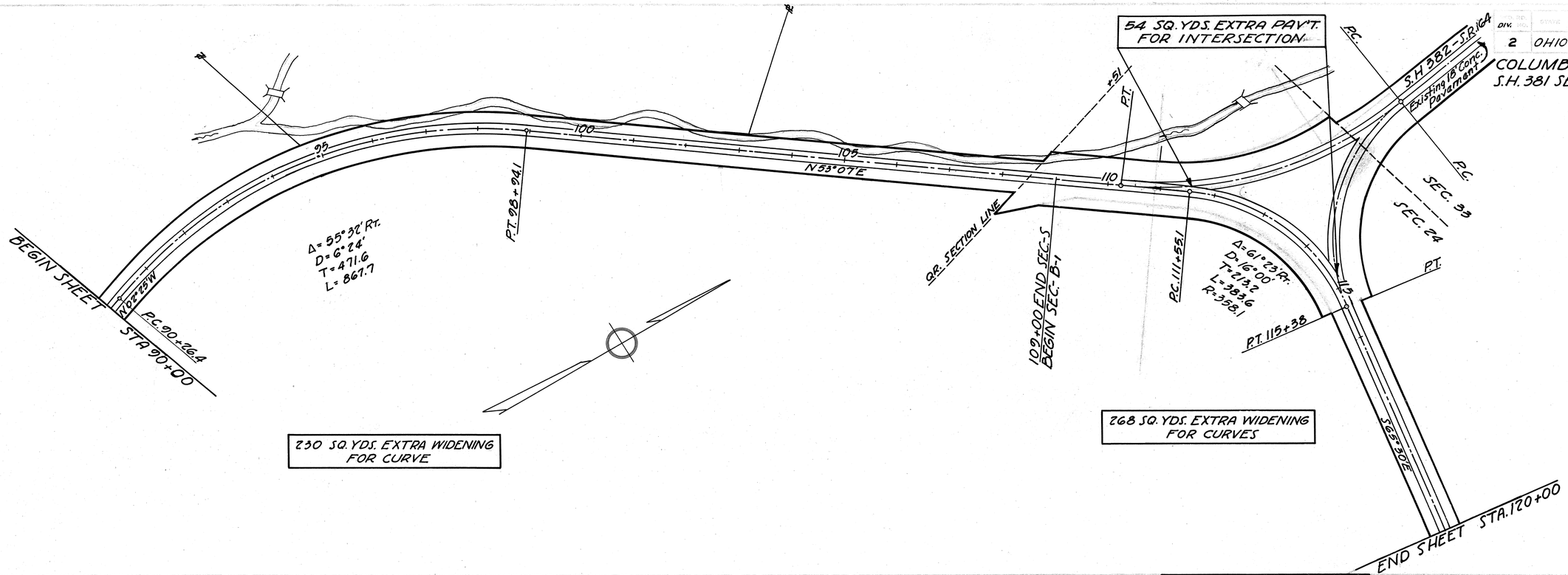
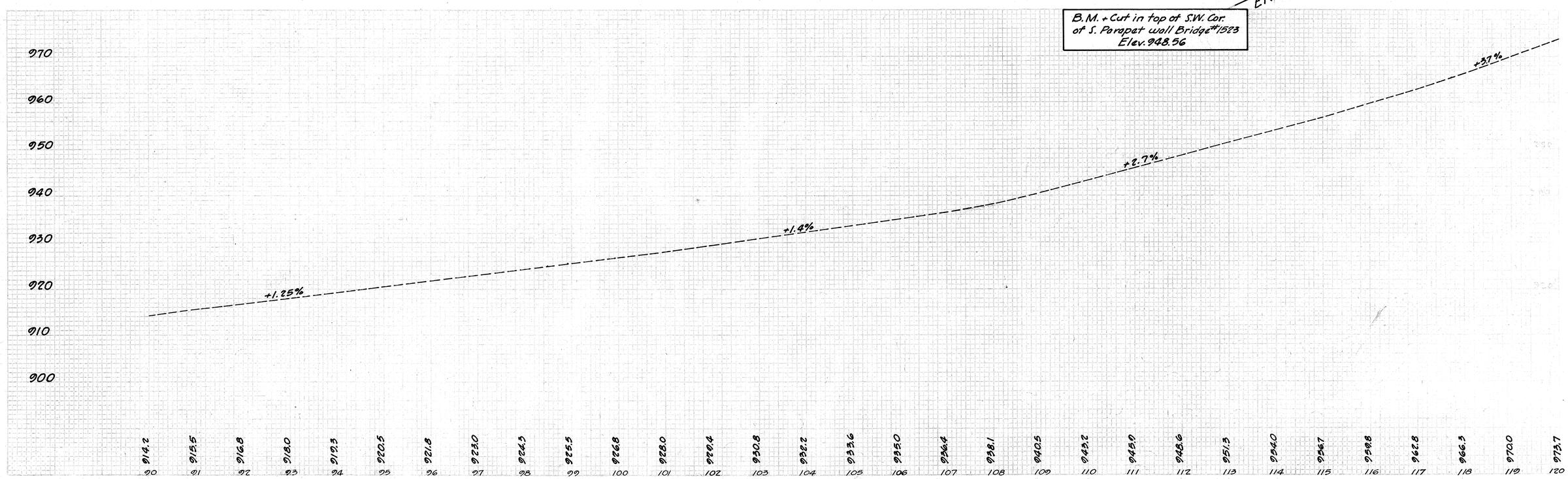
COLUMBIANA COUNTY
S.H. 381 SEC. SALINEVILLE (PT.)
S, B-1 & B-2





HIGHWAY PLAN-PROFILE PLATE
THE H. COLE CO., COLUMBUS, OHIO

FED. RD. DIV. NO.	STATE	PROJECT	FISCAL YEAR	7 / 11
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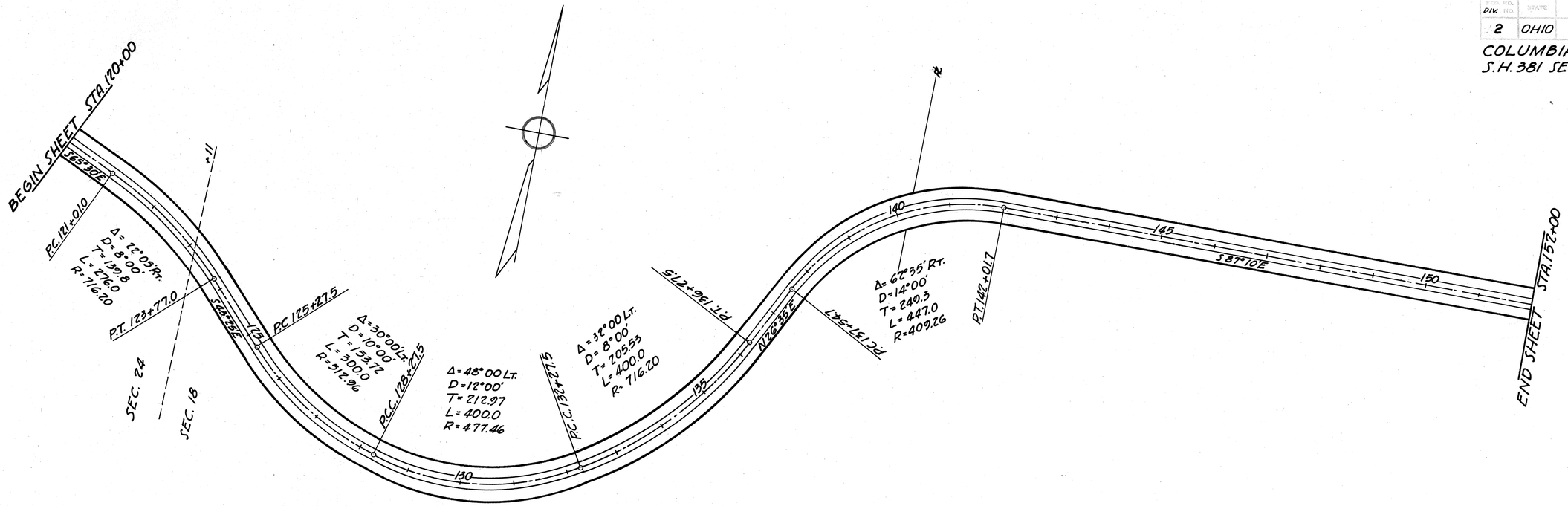
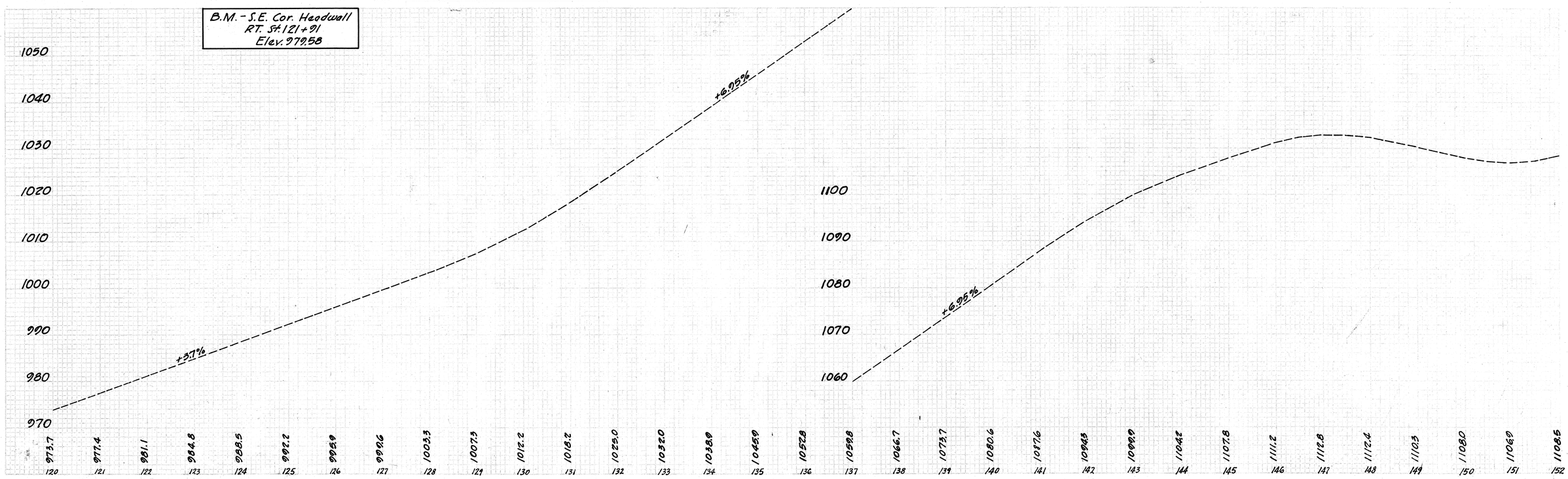
COLUMBIANA COUNTY
S.H. 381 SEC. SALINEVILLE (PT.),
S, B-1 & B-2



892 SQ. YDS. EXTRA WIDENING
FOR CURVES – STA. 120+51 TO STA. 142+51.7



DIV.	STATE	PROJECT	FISCAL YEAR	8 / 11
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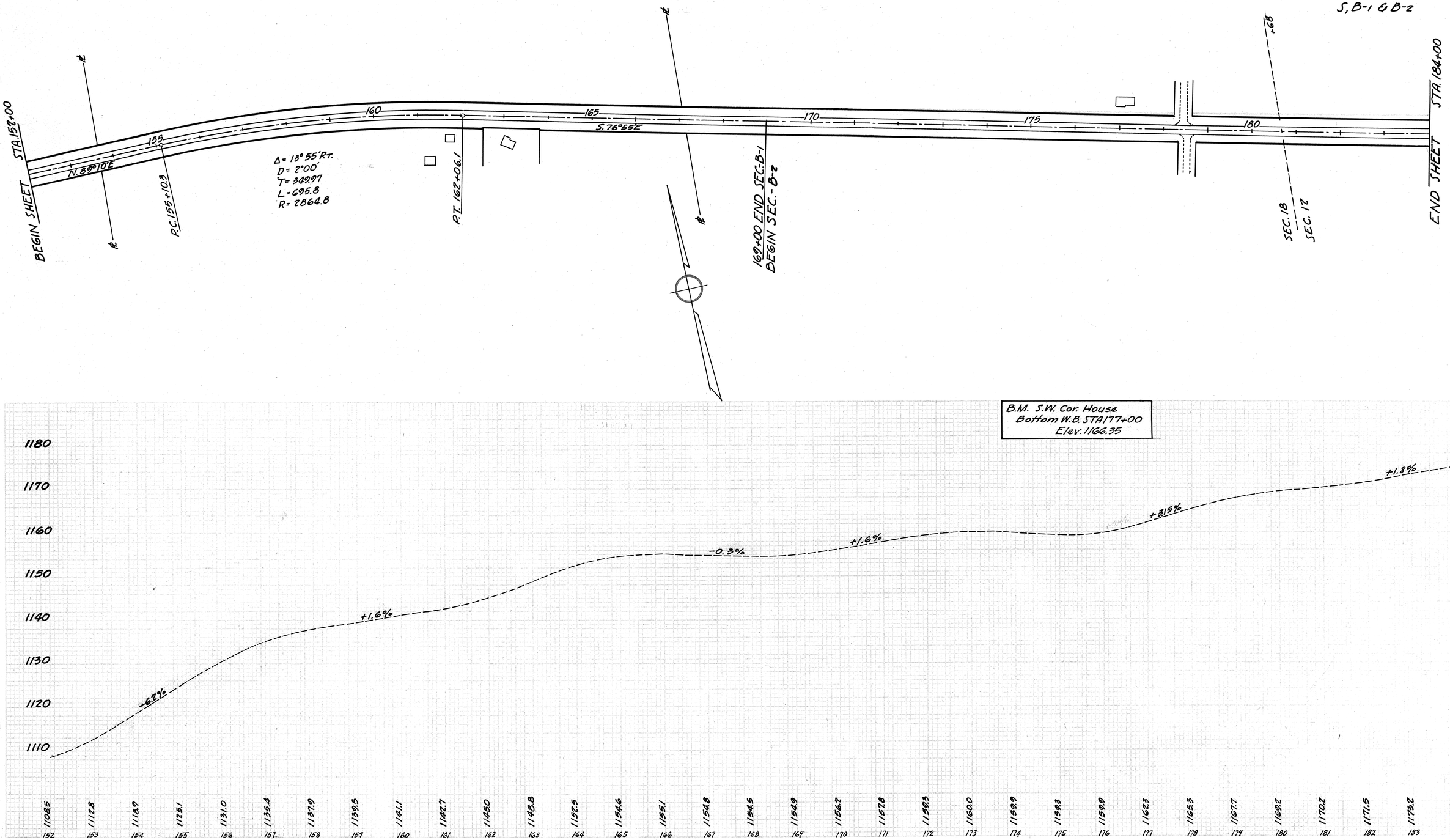
COLUMBIANA COUNTY
S.H. 381 SEC. SALINEVILLE (PT.),
S, B-1 & B-2



DIV.	FED. RD. DIV. NO.	STATE	PROJECT	FISCAL YEAR	SHEET NO.
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COLUMBIANA COUNTY
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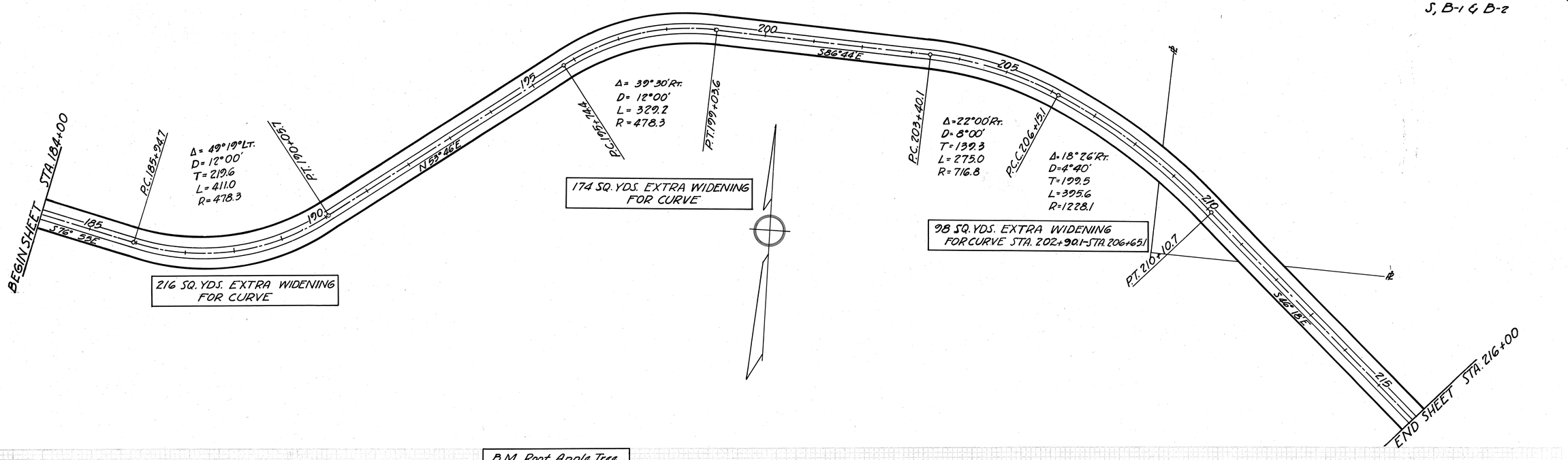

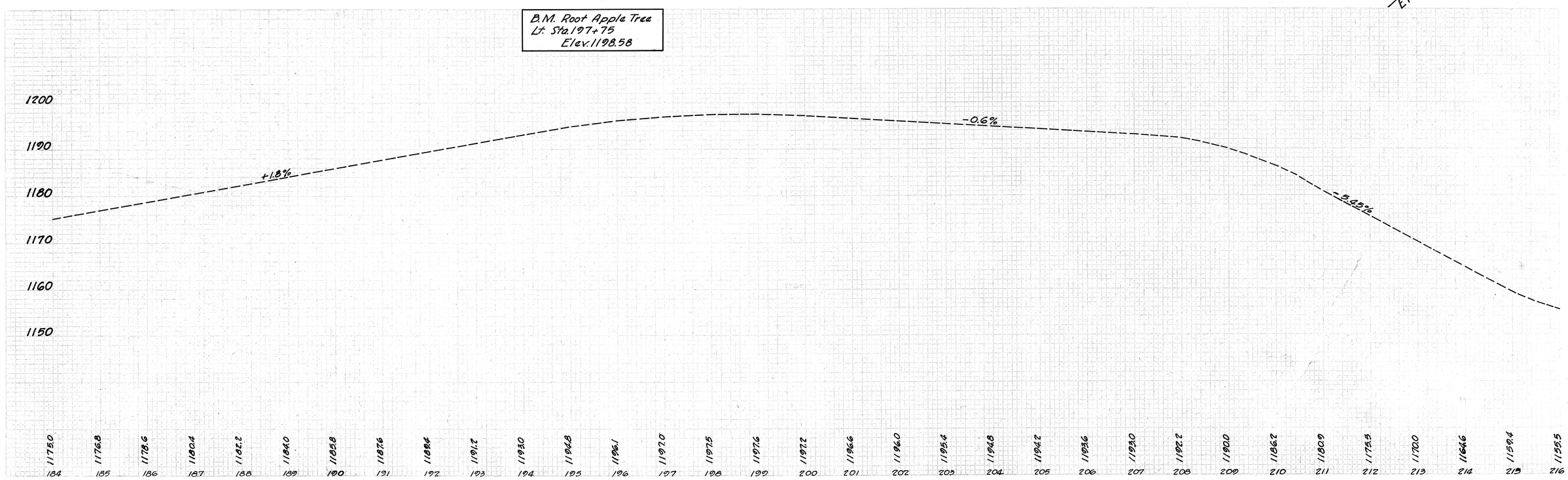

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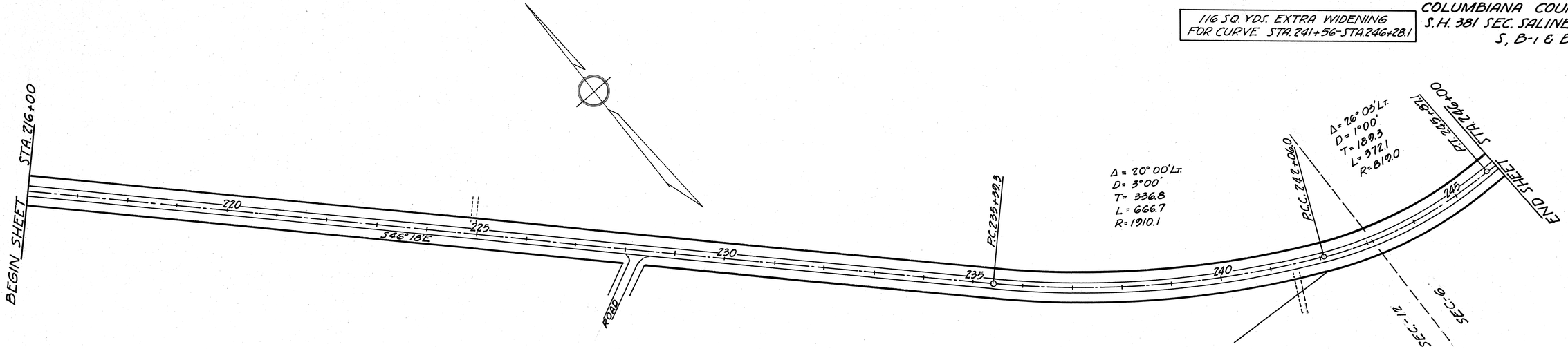
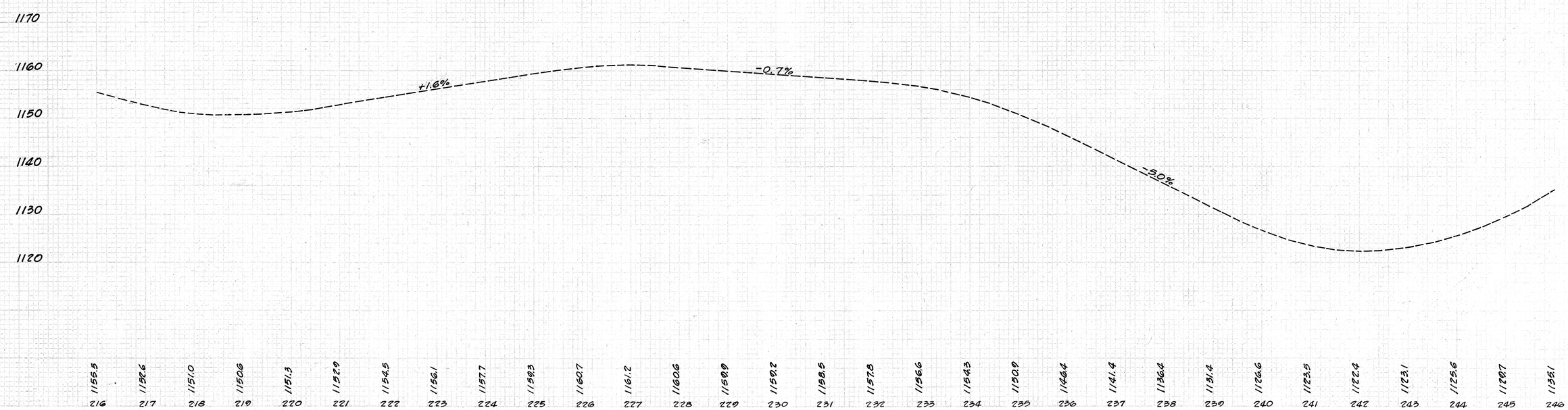
COLUMBIANA COUNTY
S.H. 381 SEC. SALINEVILLE (PT.)
S, B-1 & B-2

116 SQ. YDS. EXTRA WIDENING
FOR CURVE STA. 241+56-STA. 246+28.1



B.M. Root of Ash
99' Lt.-STA. 219+50
Elev. 1150.0



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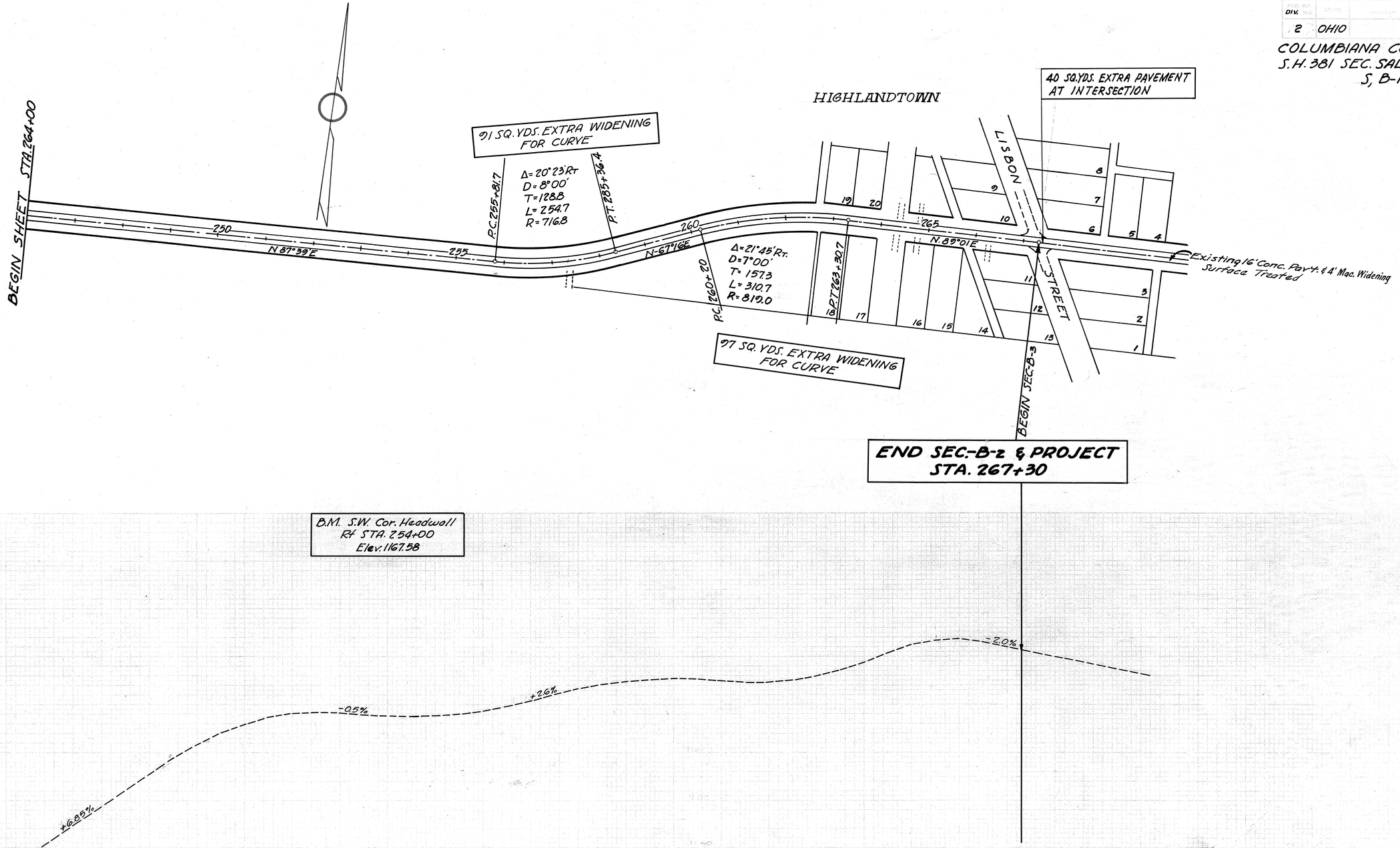
COLUMBIANA COUNTY
S.H. 381 SEC. SALINEVILLE (PT.)
S, B-1 & B-2



S-B 3 1-B 2 (TBE LINEMIUD) CO 27H 381