

INDEX OF SHEETS

SHEET NO. 1	TITLE PAGE
2	TYPICAL CROSS-SECTION OF IMPROVEMENT
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5	25+00 - 40+00
6	40+00 - 55+00
7	55+00 - 64+00
8	64+00 - 71+50
9	CROSS SECTIONS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	CONTRACT NO.	TOTAL SHEETS
9	Vt.	72-A	1926	1	25

STATE OF VERMONT  
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY  
FEDERAL AID PROJECT

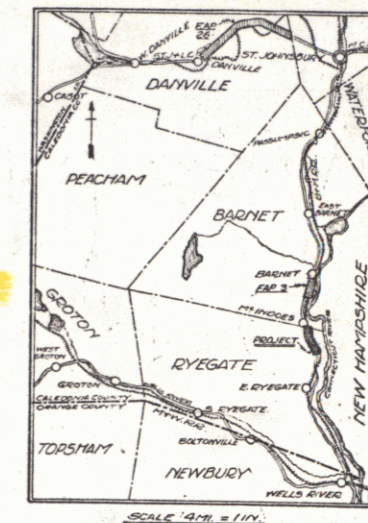
TOWNS OF  
**RYEGATE-BARNET.**

CONNECTICUT RIVER ROAD  
FROM "TRASK CROSSING" 1.36 MI. NORTHERLY.

Route: US 5  
Project: FAP 74A

Din # 99R346

PLAN: 1 IN. = 50 FT.  
PROF. 1 IN. = 50 FT.  
SCALE: PROFILE VERT. 1 IN. = 10 FT.  
CROSS SECTIONS 1 IN. = 5 FT.



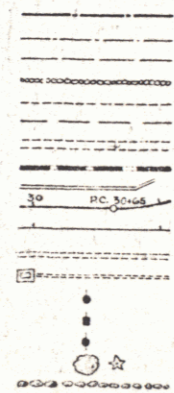
RIGHT-OF-WAY DIVISION  
TOWN FILE  
PERPETUAL  
Town of US 5  
(To Be Returned To R.O.W. Division)

APPROVED: March 8, 1926  
H. B. Sargent  
CHIEF ENGINEER

SUBMITTED BY CHIEF OF THE STATE HIGHWAY BOARD  
March 8, 1926  
S. P. Allen  
COMMISSIONER OF HIGHWAYS

CONVENTIONAL SIGNS

- COUNTY LINE
- TOWN LINE
- FENCE LINE
- STONE WALL
- UNFENCED PROPERTY
- GUARD RAIL
- TRAVELED WAY
- RAILROAD
- RETAINING WALL
- CENTER LINE
- SURVEY LINE
- CULVERT
- DROP INLET
- TROLLEY POLE
- POWER POLE
- TELEPHONE POLE
- TREES
- HEDGE



GROUND ELEVATION	DATUM	IN FT.
GRADE ELEVATION	DATUM	IN FT.
CURVE DATA		
DEFLECTION ANGLE	Δ	
DEGREE OF CURVE	D	
RADIUS OF CURVE	R	
TANGENT DISTANCE	T	
LENGTH OF CURVE	L	
EXTERNAL DISTANCE	E	
POINT OF INTERSECTION	P.I.	
POINT OF CURVE	P.C.	
POINT OF TANGENT	P.T.	

RECOMMENDED: [Signature]  
DISTRICT ENGINEER  
BUREAU OF PUBLIC ROADS  
RECOMMENDED FOR APPROVAL: [Signature]  
CHIEF ENGINEER  
BUREAU OF PUBLIC ROADS  
APPROVED: [Signature]  
DIRECTOR - BUREAU OF PUBLIC ROADS

SERIES F No. 74 FILED  
SHEET 1 OF 25







Sheet 1 of 3

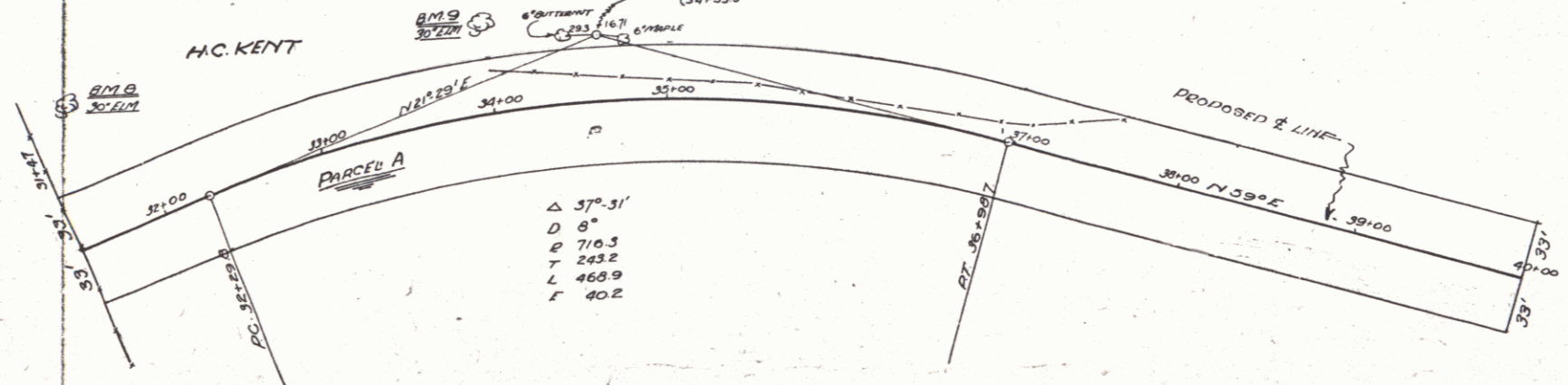
RIGHT OF WAY MAP - FED. AID PROJECT No. 74A

PROPERTY OF H.C. KENT  
PARCEL A - Town of Ferrisburgh  
PARCEL B - Town of Barnet

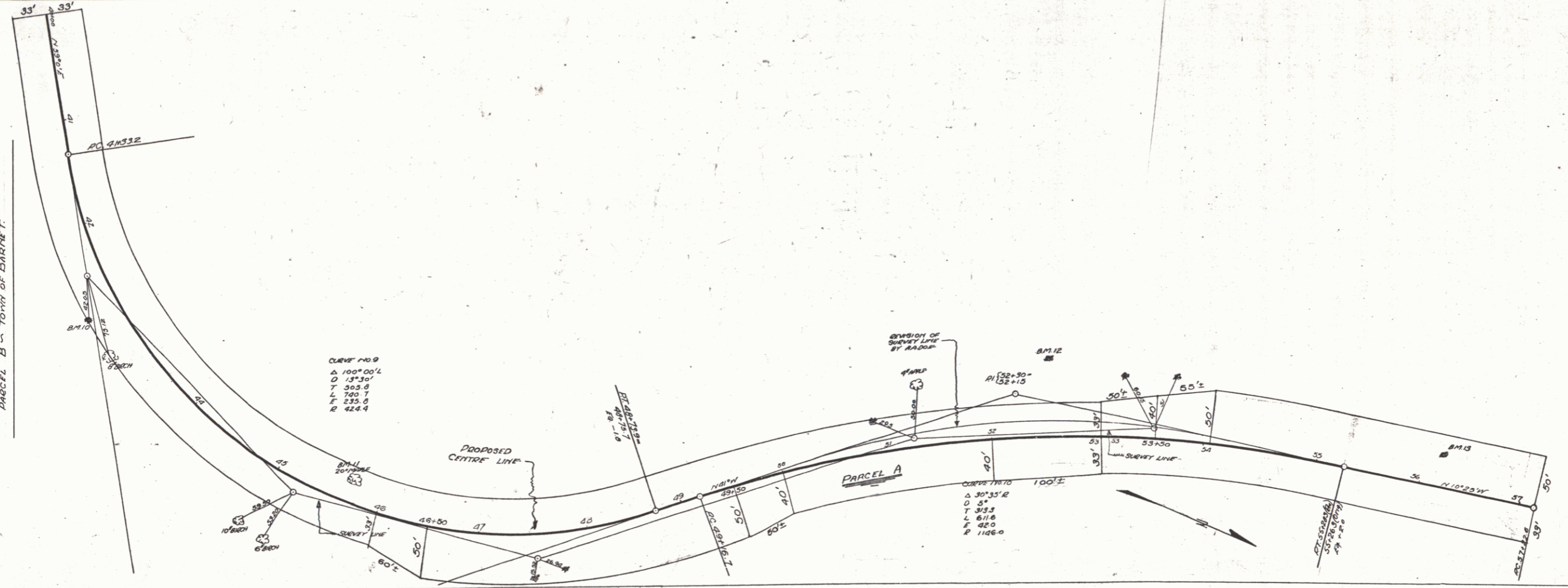
STATE OF VERMONT  
LAND TO BE ACQUIRED FOR THE  
CONNECTICUT RIVER ROAD  
FEDERAL AID PROJECT NO. 74A - TOWNS OF FERRISBURGH & BARNET  
FROM H. C. KENT, REVISED OTHER.

ALL THOSE PIECES OR PARCELS OF LAND HERETOFORE DESIGNATED AS PARCELS A AND B, SITUATED IN THE TOWNS OF FERRISBURGH, CALDWELL, STATE OF VERMONT, FOR THE CONNECTICUT RIVER ROAD, FEDERAL AID PROJECT NO. 74A, AS SHOWN ON THE ACCOMPANYING MAPS AND DESCRIBED AS FOLLOWS:-

PARCEL "A": BEGINNING AT A POINT ON THE PROPERTY LINE BETWEEN A. J. CHENEY AND H. C. KENT, SAID POINT BEING 85 FEET DISTANT WESTERLY, MEASURED ALONG SAID PROPERTY LINE, FROM STATION 51+47 ± OF THE PROPOSED CENTER LINE OF THE PROPOSED FEDERAL AID PROJECT NO. 74A; THENCE SOUTHERLY, PARALLEL TO SAID CENTER LINE, TO A POINT 33 FEET DISTANT WESTERLY, THENCE NORTHEASTERLY, FROM STATION 55+00 ± OF SAID CENTER LINE; THENCE NORTHEASTERLY, 50 ± FEET TO A POINT 40 FEET DISTANT WESTERLY, MEASURED RADIALY, FROM STATION 55+60 ± OF SAID CENTER LINE; THENCE NORTHWESTERLY, 55 ± FEET TO A POINT 60 FEET DISTANT, MEASURED RADIALY, FROM STATION 54+00 ± OF SAID CENTER LINE; THENCE NORTHERLY, PARALLEL TO SAID CENTER LINE, TO A POINT 50 FEET DISTANT WESTERLY, MEASURED RADIALY, FROM STATION 59+00 OF SAID CENTER LINE; THENCE NORTHWESTERLY, PARALLEL TO SAID CENTER LINE, TO THE POINT OF INTERSECTION WITH THE FERRISBURGH-TOWN LINE DISTANT 33 FEET WESTERLY, MEASURED AT RIGHT ANGLES, TO SAID CENTER LINE; THENCE WESTERLY ALONG SAID TOWN LINE, INTERSECTING SAID CENTER LINE AT STATION 60+87 ± TO A POINT 33 FEET DISTANT WESTERLY, MEASURED AT RIGHT ANGLES, FROM SAID CENTER LINE; THENCE SOUTHERLY, PARALLEL TO SAID CENTER LINE, TO A POINT 33 FEET DISTANT WESTERLY, MEASURED RADIALY, FROM STATION 55+00 ± OF SAID CENTER LINE; THENCE SOUTHERLY, PARALLEL TO SAID CENTER LINE, TO A POINT 40 FEET DISTANT, MEASURED RADIALY, FROM STATION 55+00 OF SAID CENTER LINE; THENCE SOUTHERLY, PARALLEL TO SAID CENTER LINE, TO A POINT 40 FEET DISTANT, MEASURED RADIALY, FROM STATION 50+00 OF SAID CENTER LINE; THENCE SOUTHERLY, PARALLEL TO SAID CENTER LINE, TO A POINT 50 FEET DISTANT WESTERLY, MEASURED RADIALY, FROM STATION 49+60 OF SAID CENTER LINE; THENCE SOUTHERLY, PARALLEL TO SAID CENTER LINE, TO A POINT 80 FEET DISTANT WESTERLY, MEASURED RADIALY, FROM STATION 46+60 OF SAID CENTER LINE; THENCE SOUTHERLY, PARALLEL TO SAID CENTER LINE, TO A POINT 33 FEET DISTANT WESTERLY, MEASURED RADIALY, FROM STATION 44+00 OF SAID CENTER LINE; THENCE SOUTHERLY, PARALLEL TO SAID CENTER LINE, TO THE POINT OF INTERSECTION WITH THE PROPERTY LINE BETWEEN H. C. KENT AND A. J. CHENEY, SAID POINT BEING 33 FEET DISTANT WESTERLY, MEASURED AT RIGHT ANGLES, FROM STATION 31+47 ± OF SAID CENTER LINE; THENCE WESTERLY ALONG SAID PROPERTY LINE 66 ± FEET TO THE POINT OF BEGINNING; BEING 5.8 ACRES MORE OR LESS.



Sheet 2E  
RIGHT OF WAY PLANS - FEDERAL AID PROJ. NO. 74A  
PROPERTY C. KENT  
PARCEL A - TOWN OF RYEGATE  
PARCEL B - TOWN OF BARNET.



SHEET 2E

6





Wooden Guard Rail Required  
 Left  
 Sta. 2+72 to 2+96 = 24 ft  
 " 4+88 " 5+12 = 24 "  
 " 12+53 " 12+82 = 29 "  
 Right  
 " 0+00 " 2+96 = 296 ft  
 " 4+88 " 13+00 = 812 "  
 Total this Street 1180 ft

New Culverts Required  
 2+84 14" Cur Iron 6ft  
 Concrete 1-2 1/2-5  
 5+00 18" Cur Iron 30ft  
 Concrete 1-3 1/2-5  
 12+70 18" Cur Iron 48ft  
 Concrete 1-3 1/2-5

Sub base Required  
 2+75 to 13+00 = 1025

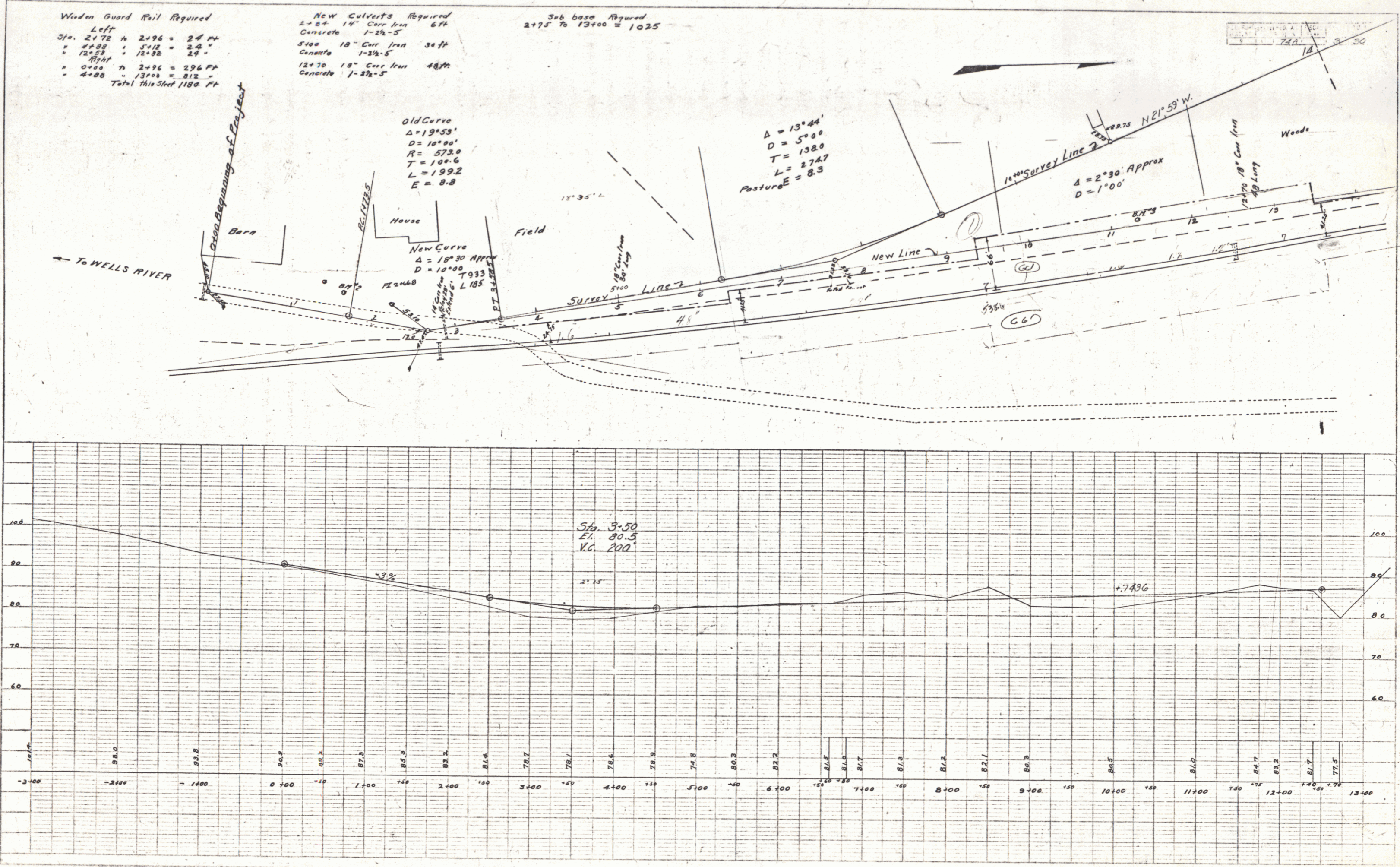
Old Curve  
 $\Delta = 19^{\circ}53'$   
 $D = 10^{\circ}00'$   
 $R = 573.0$   
 $T = 100.6$   
 $L = 199.2$   
 $E = 8.8$

New Curve  
 $\Delta = 18^{\circ}30'$  Approx  
 $D = 10^{\circ}00'$   
 $T = 93.3$   
 $L = 185$

$\Delta = 13^{\circ}44'$   
 $D = 5^{\circ}00'$   
 $T = 138.0$   
 $L = 274.7$   
 Pasture  $E = 8.3$

PLAN  
 DRAWN BY  
 CHECKED BY  
 DATE  
 PROJECT  
 SHEET NO. 74

PROFILE  
 DRAWN BY  
 CHECKED BY  
 DATE  
 PROJECT  
 SHEET NO. 74



**GUARD RAIL REQUIRED**

Direction	Station Range	Length (FT)
LEFT	STA 13+00 to 14+30	130 FT
	20+13 - 20+37	24 "
RIGHT	25+38 - 25+62	24 "
	STA 13+00 to 14+30	130 FT
	15+00 - 20+32	432 "
	23+00 - 26+00	300 "
<b>TOTAL THIS SHEET</b>		<b>1089 FT</b>

**NEW CULVERTS REQUIRED**

STA 20+00	30" Conc. Pipe CULV. Leng. 32 FT.
	Conc. Class B (1-2-3)
	Reinf. Steel 59 cy.
STA 25+00	33" 18" Dia. Box Culvert
	Conc. Class A (1-2-4)
	16.6 cy.
	Reinf. Steel 83 1/2 lb.

**SUB-BASE REQUIRED**

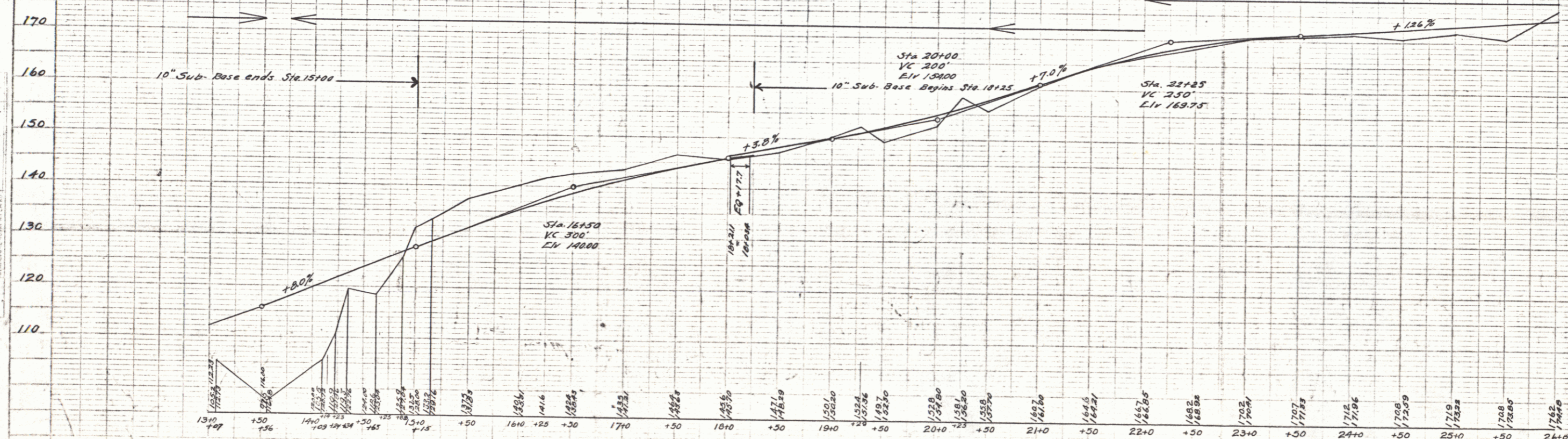
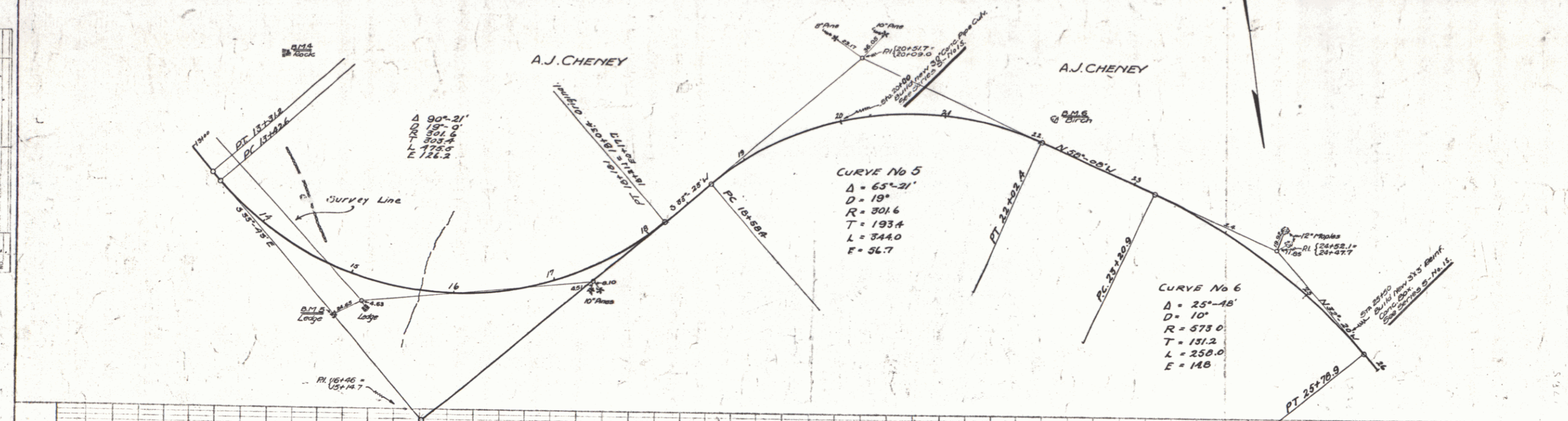
STA 13+00 to 15+00	10" Base Length 200 FT.
15+25 to 25+00	10" Base 775 "

**PLAN**

Scale: 1" = 100'

North Arrow

Scale: 1" = 100'

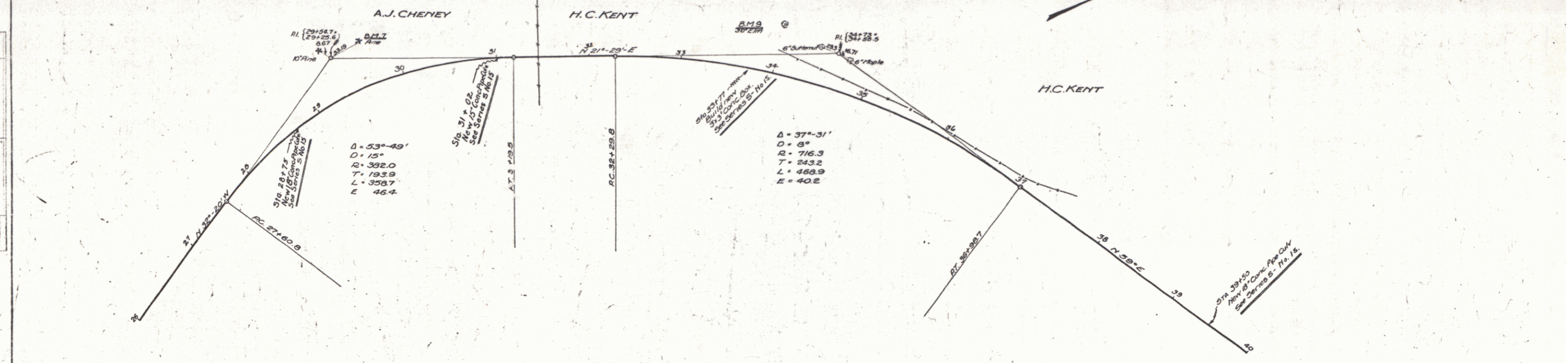


B.M. 5 Drill Hole in Rock 125 Ft. Left of Sta 13+00 Elev. 125.58  
 B.M. 6 Spike in Root of Birch 25 Ft. 22+05 Elev. 170.38

**GUARD RAIL REQUIRED**  
**LEFT**  
 STA. 33+65 TO 33+69 LENGTH 24 FT.  
 33+38 33+62 24  
**RIGHT**  
 STA. 26+00 TO 26+04 LENGTH 4 FT.  
 31+90 35+90 400  
 39+37 39+62 24  
**TOTAL THIS SHEET** 476 FT.

**NEW CULVERTS REQUIRED**  
 STA. 33+77 3'x3' Reinf. Conc. Box Culvert  
 Conc. Class A, (1-2-4) 2.1 c.y.  
 Reinf. Steel 132.5 lb.  
 STA. 39+50 15" Reinf. Conc. Pipe Culv. Leng. 36 ft.  
 Conc. Class B, (1-2 1/2-5) 2.7 c.y.  
 Reinf. Steel 59 lb.

**SUB-BASE REQUIRED**  
 STA. 26+00 to 40+00 10" Base Leng. 1400 Ft.  
 STA. 28+15 18" Reinf. Conc. Pipe Culv. Leng. 32 ft.  
 Conc. Class B (1-2 1/2-5) 2.7 c.y.  
 Reinf. Steel 53 lb.  
 STA. 34+02 15" Reinf. Conc. Pipe Culv. Leng. 32 ft.  
 Conc. Class B (1-2 1/2-5) 2.1 c.y.  
 Reinf. Steel 53 lb.



B.M. 7 Spike in Roof of Pipe 48 ft Left of Sta. 29+65 Elev. 180.43  
 B.M. 8 30' Elm 83' 34+75 184.94  
 B.M. 9 30' 54' 34+00 172.70

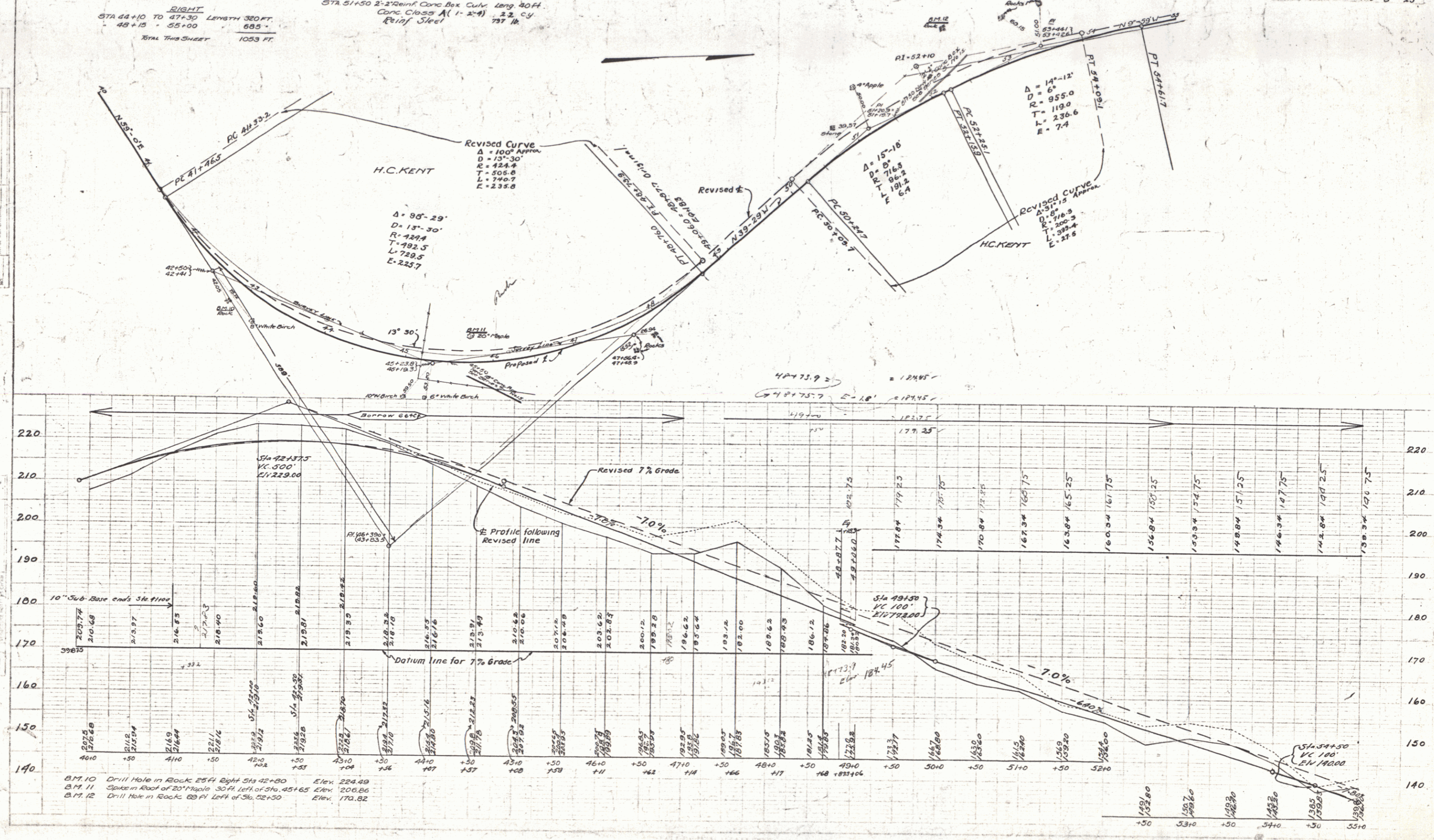
**GUARD RAIL REQUIRED**  
**LEFT**  
 STA 45+38 TO 45+62 LENGTH 24 FT  
 51+38 - 51+62 24  
**RIGHT**  
 STA 44+10 TO 47+30 LENGTH 320 FT  
 48+15 - 55+00 685  
 Total This Sheet 1053 FT

**NEW CULVERTS REQUIRED**  
 STA 45+50 15" Reinforced Conc. Pipe Culv. Leng. 35 FT.  
 Conc. Class B (1-1/2") 2.7 CY  
 Reinf. Steel 33 lb.  
 STA 51+50 2-2' Reinforced Conc. Box Culv. Leng. 40 FT.  
 Conc. Class A (1-2") 2.2 CY  
 Reinf. Steel 757 lb.

**SUB-BASE REQUIRED**  
 STA. 40+00-41+00 10' Base Leng. 100 FT.

PLAN	SCALE	1" = 40'
SECTION	SCALE	1" = 10'
PROFILES	SCALE	1" = 10'
NOTES		
DATE		
BY		
CHECKED		
APPROVED		

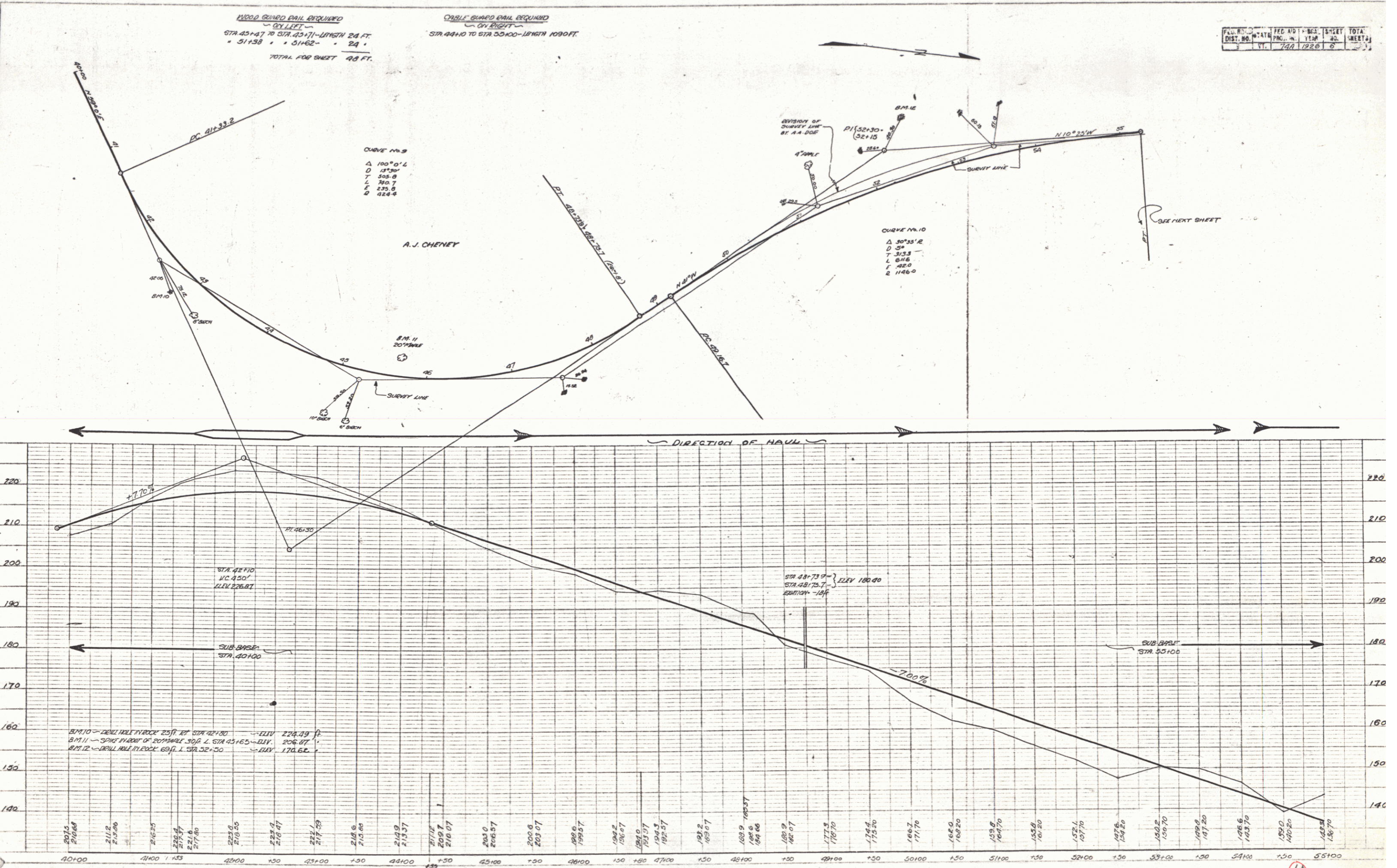
REVISIONS  
 1. E.V. No. 10/26/26  
 2. W.C. No. 10/26/26  
 3. W.C. No. 10/26/26



B.M. 10 Drill Hole in Rock 25' Right Sta 42+80 Elev. 224.49  
 B.M. 11 Spike in Rock at 20' Right Sta 45+65 Elev. 206.86  
 B.M. 12 Drill Hole in Rock 23' Left of Sta. 52+50 Elev. 170.92

PLAN  
 DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 TITLE: \_\_\_\_\_

PROFILE  
 DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 TITLE: \_\_\_\_\_



PLAN	1	1	1	1	1
TOTAL SHEETS	6	6	6	6	6

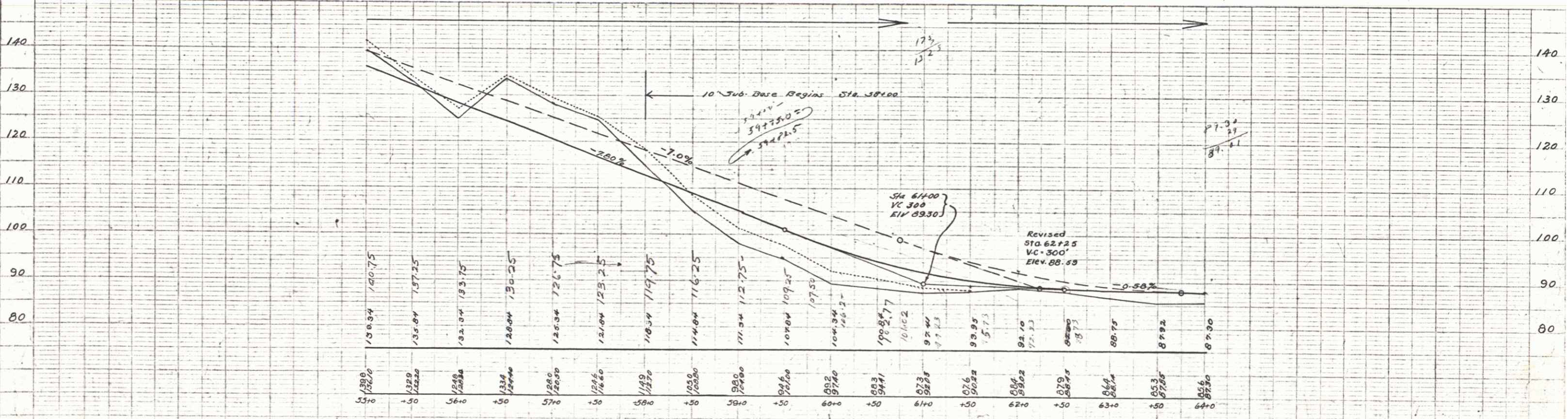
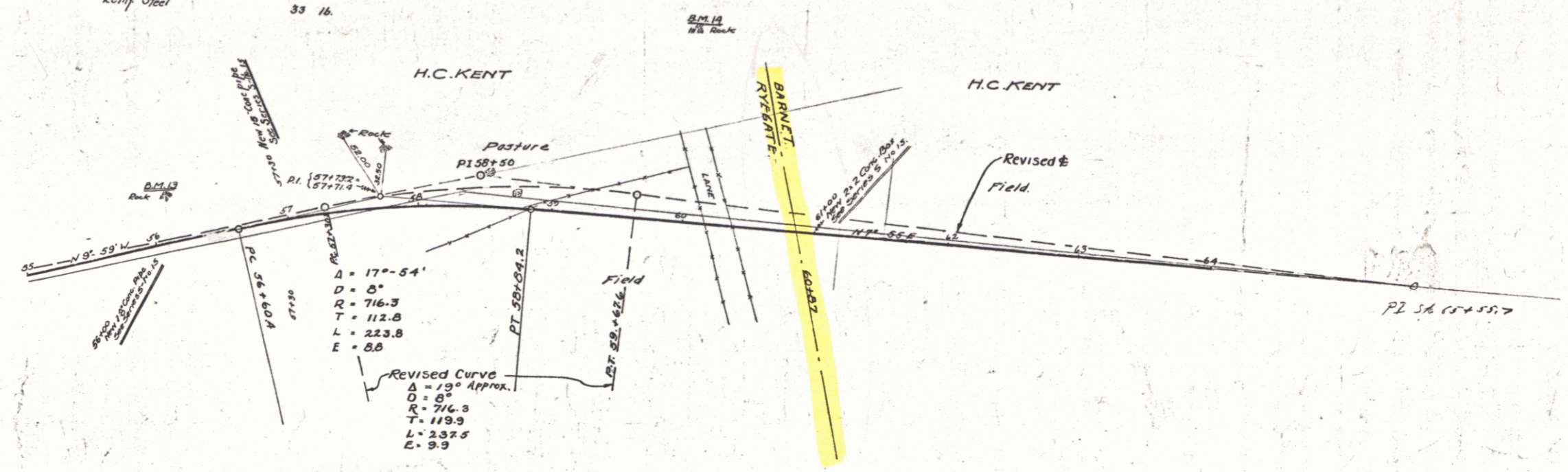
**GUARD RAIL REQUIRED**  
**LEFT**  
 Sta 55+00 to Sta 56+12 Length 24 ft.  
 Sta 60+00 to 61+12 Length 24 ft.  
**RIGHT**  
 Sta 55+00 to Sta 56+33 Length 155 ft.  
 Sta 59+40 to 61+20 Length 280 ft.  
**TOTAL THIS SHEET** 483 ft.

**NEW CULVERTS REQUIRED**  
 STA 56+00 18" Reinf. Conc. Pipe Culv. 48' Conc. Class B (1-2-4) 12.7 cy. Reinf. Steel 33 lb.  
 STA 61+00 2x2 Reinf. Conc. Box Culv. Conc. Class A (1-2-4) 108 cy. Reinf. Steel 708 lb.  
 STA 57+30 15" Reinf. Conc. Pipe Culv. Conc. Class B (1-2-4) 32' 12.1 cy. Reinf. Steel 33 lb.

**BUS-BASE REQUIRED**  
 Sta 58+00-64+00 10' Base Length 600 ft.

PLAN	DATE	BY
PROFILE	DATE	BY
SECTION	DATE	BY
DETAIL	DATE	BY
ASSEMBLY	DATE	BY
CONSTRUCTION	DATE	BY

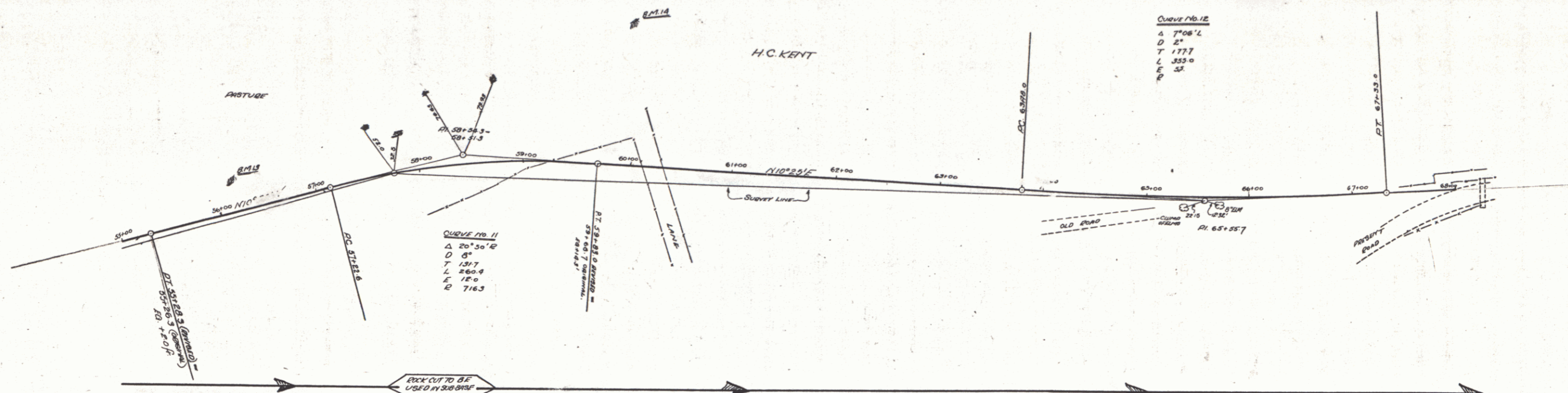
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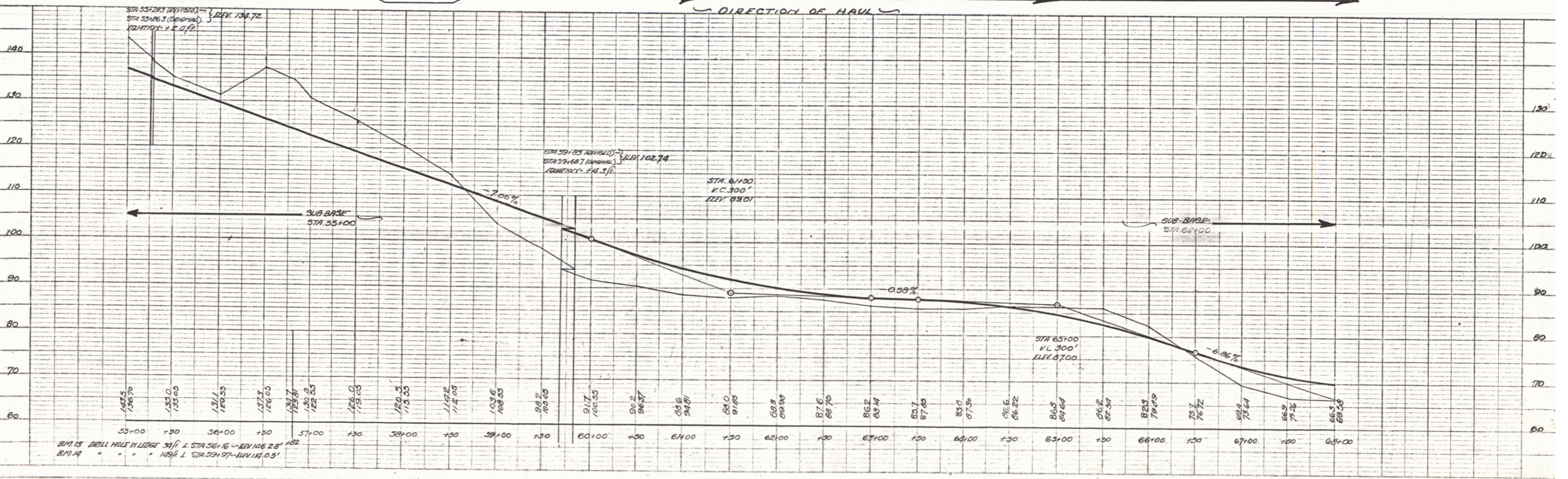
BM 13 Drill Hole in ledge 34 ft Left of Sta 56+16 Elev 126.51  
 BM 14 149' 59+97 114.05

WOOD BURNED ANIL REQUIRED  
 CABLE GUNDED PAUL REQUIRED  
 NOTE - STA 59+00 TO STA 61+10 - 40% SLOPE TO BE  
 USED THROUGH THESE SECTIONS ON LEFT IF  
 ENCOUNTERED

PLAN  
 DRAWN BY  
 CHECKED BY  
 DATE



PROFILE  
 DRAWN BY  
 CHECKED BY  
 DATE



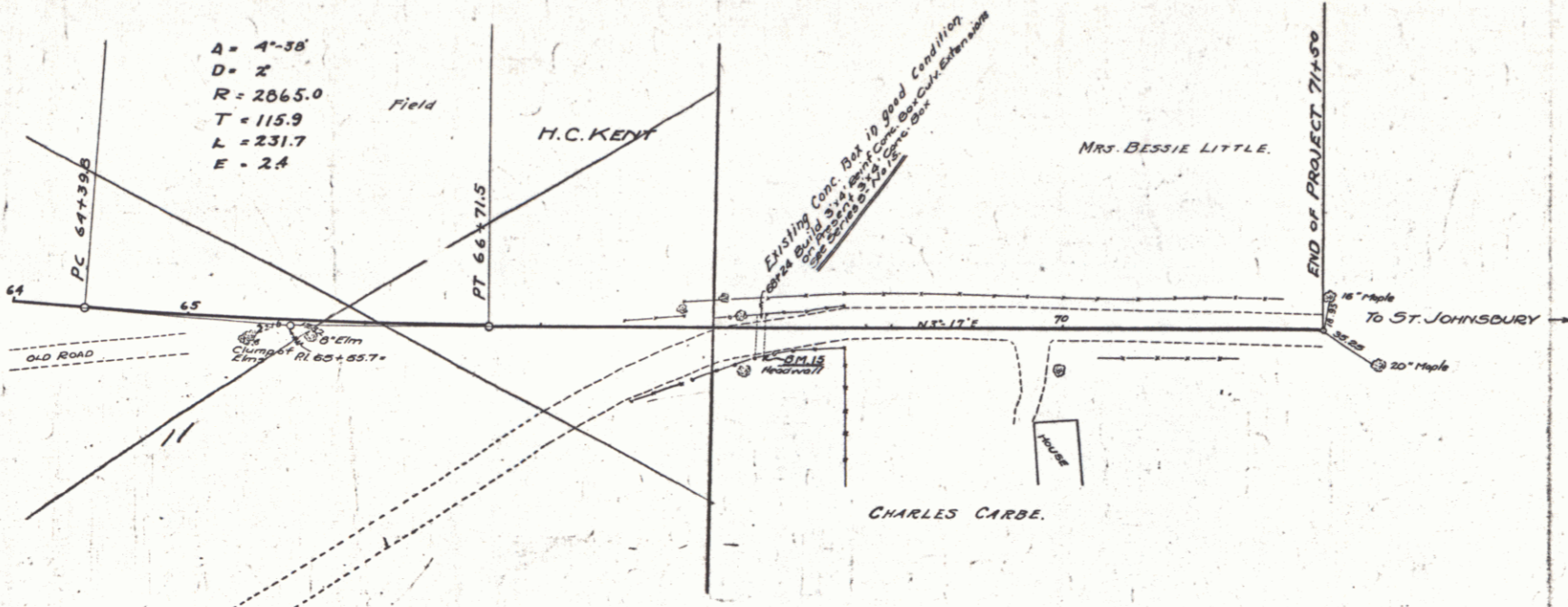
**GUARD RAIL REQUIRED**  
**LEFT**  
 Sta. 63+12 to 63+36 Length 24 ft.  
**RIGHT**  
 Sta. 63+12 to 63+36 Length 24 ft.  
 TOTAL THIS SHEET 48 ft.

**CULVERT REPAIRS REQUIRED**  
 Sta. 68+24 Extension on Present 3x4' Culvert With  
 3x4' Reinfr. Conc. Box  
 Conc. Class A (1-2-4) 143 cy.  
 Reinfr. Steel 693 lb.

**SUB-BASE REQUIRED**  
 Sta. 64+00-71+50 10" Base Leng. 750 ft.

74A 1926 B 25

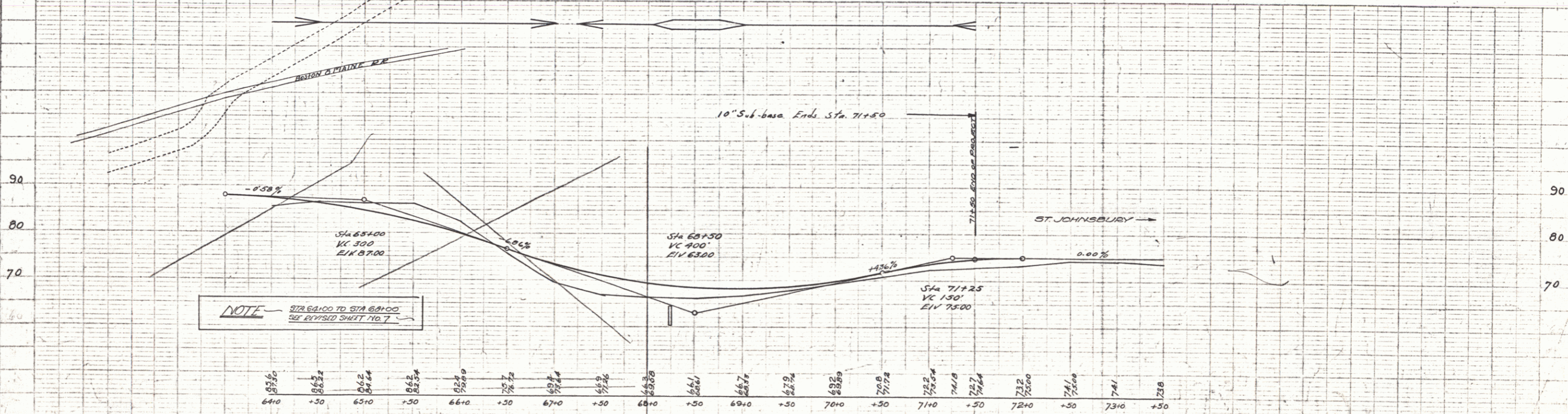
**NOTE** - STA 64+00 TO STA 68+00  
 SEE REVISED SHEET NO. 7



A = 4'-38"  
 D = 2'  
 R = 2065.0  
 T = 115.9  
 L = 231.7  
 E = 2.4

PLAN  
 DRAWN BY  
 CHECKED BY  
 DATE

REVISIONS  
 NO. DATE BY



**NOTE** - STA 64+00 TO STA 68+00  
 SEE REVISED SHEET NO. 7

B.M. 15 N.E. Cor. of East Headwall of Culvert Sta. 68+24 Elev. 66.31

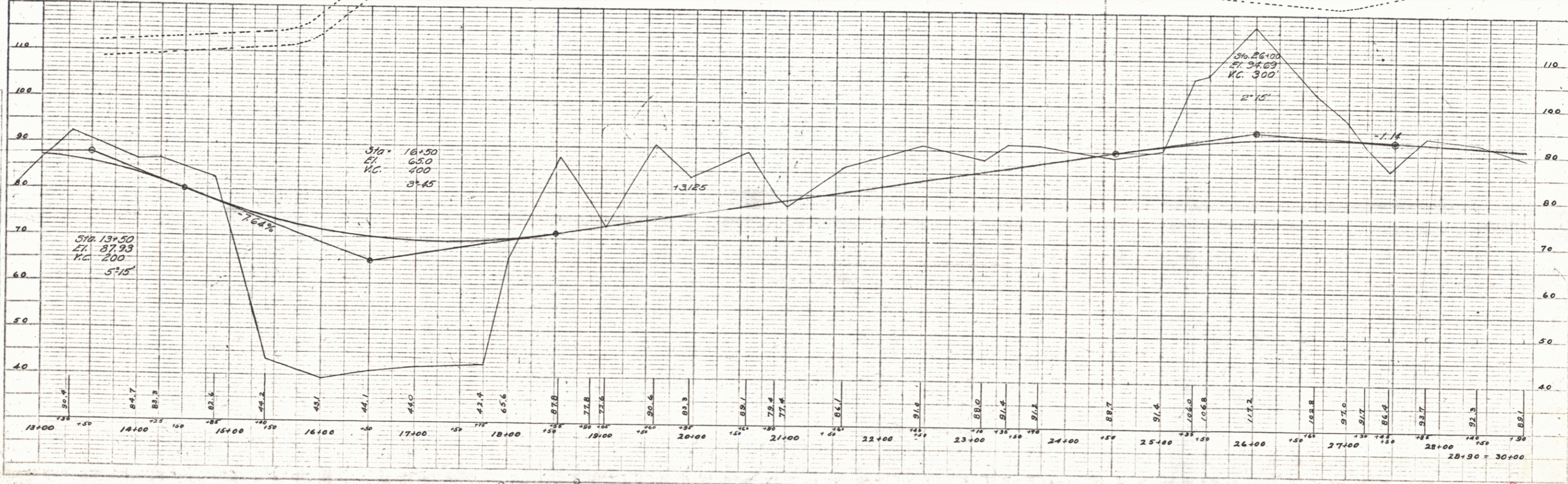
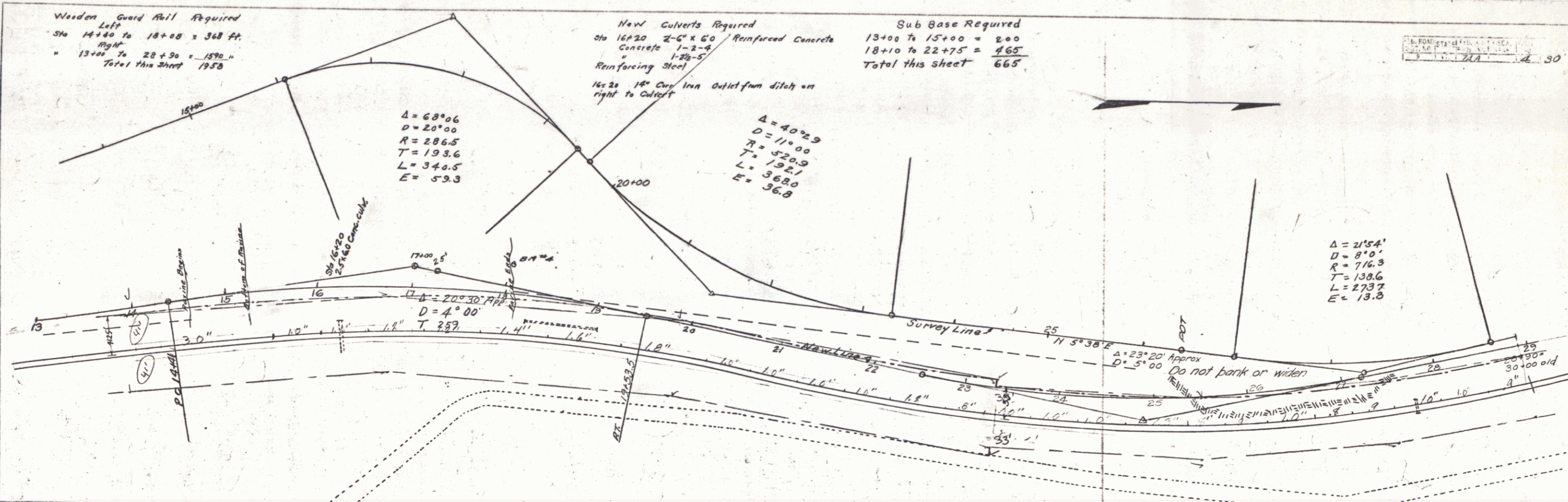
SERIES C No. 74A  
 SHEET 6 OF 25

Wooden Guard Rail Required  
 Left  
 Sta 14+40 to 18+00 = 360 ft.  
 Right  
 " 13+00 to 20+90 = 1590 ft.  
 Total this sheet 1950

New Culverts Required  
 Sta 16+20 2'-6" x 6'0" Reinforced Concrete  
 " 1-2-4  
 " 1-20-5'  
 Reinforcing Steel  
 16x20 18" Cur Iron Outlet from ditch on  
 right to Culvert

Sub Base Required  
 13+00 to 15+00 = 200  
 18+10 to 22+75 = 465  
 Total this sheet 665

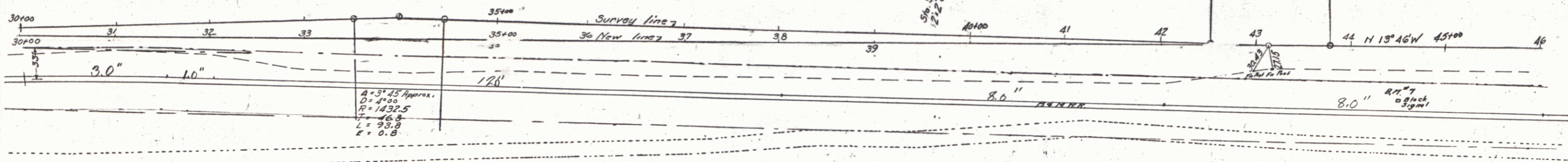
Scale 1" = 40'  
 1" = 20'  
 1" = 10'



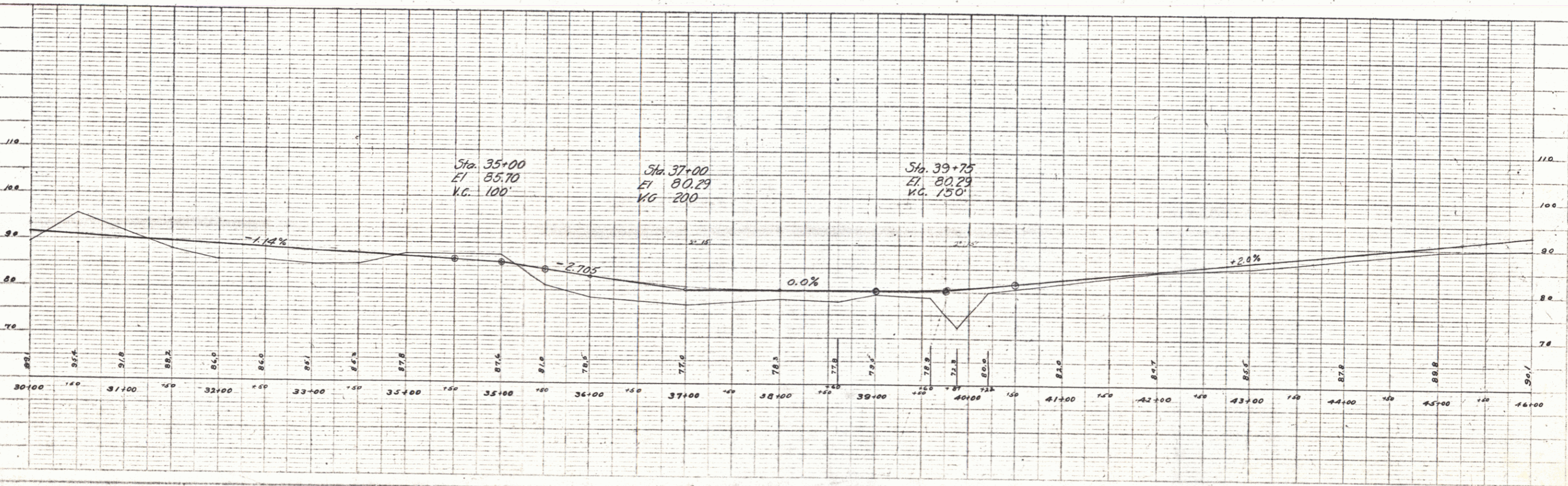
FILED  
 COUNTY OF...  
 REGISTERED ENGINEER  
 No. 12345  
 Date 12/15/50

PROFILE  
 SCALE 1" = 40'  
 HORIZONTAL SCALE 1" = 40'  
 VERTICAL SCALE 1" = 10'

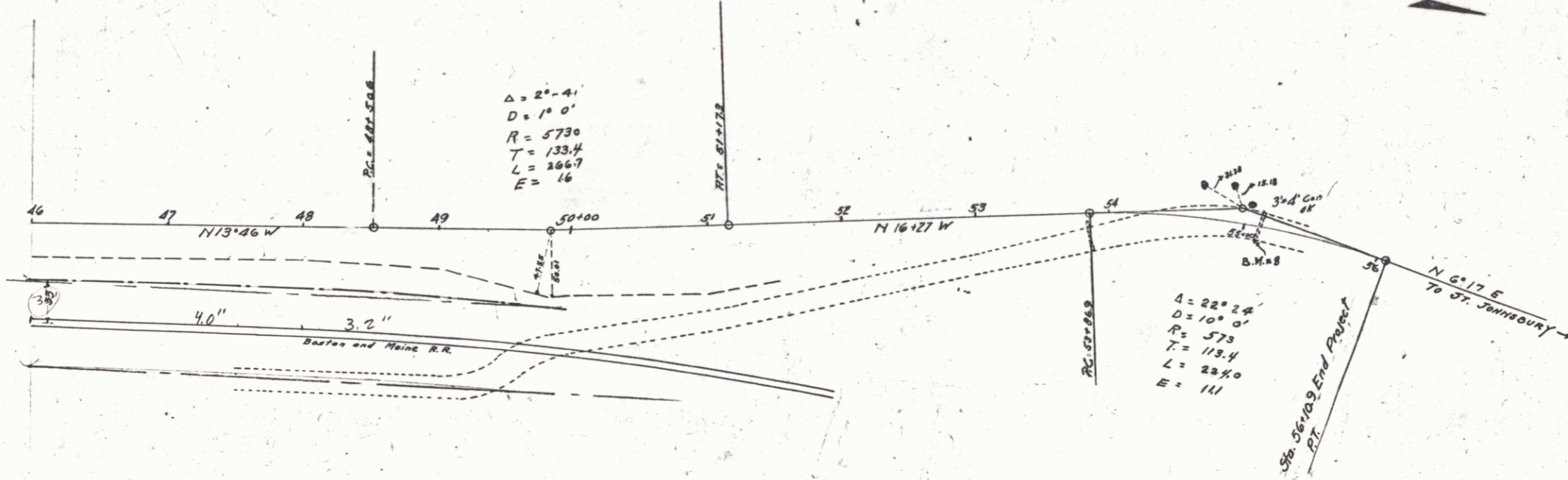
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 SHEET: 30  
 DATE: 11/1/50  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]



PROFILE  
 PROJECT: W.L.P.  
 SHEET: 30  
 DATE: 11/1/50  
 DRAWN BY: [Signature]  
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PLAN  
 DATE  
 BY  
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 APPROVED



PROFILE  
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 APPROVED

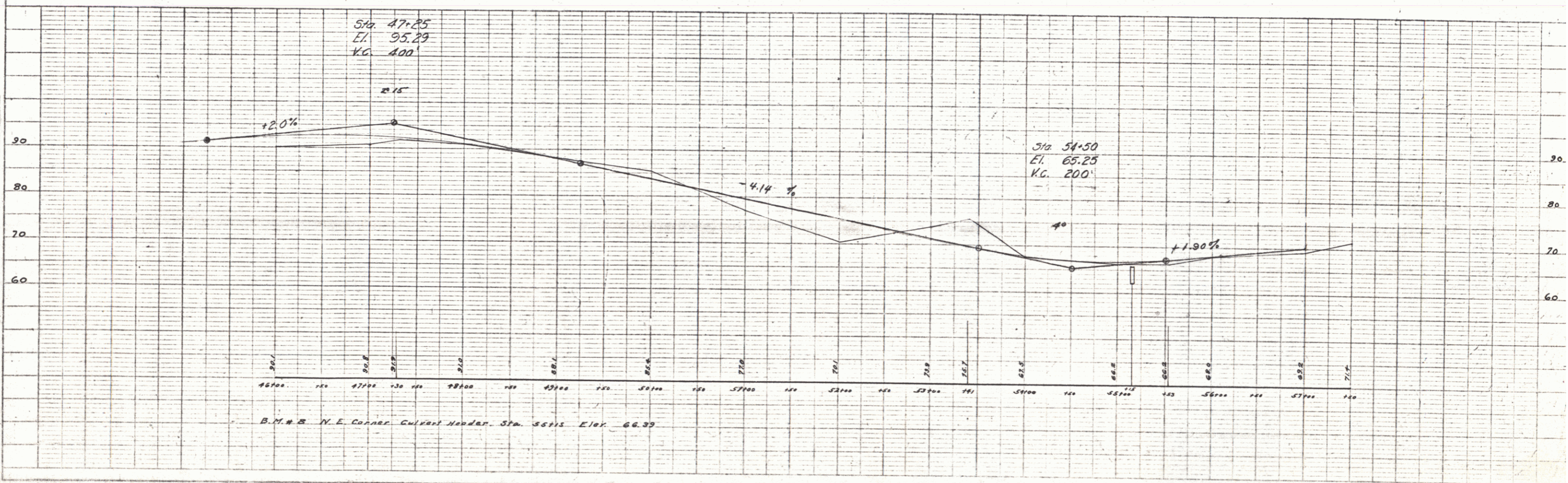


PLATE 4 - PLAN PROFILE

SHEET 10 OF 30