

**INDEX OF SHEETS**

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" 3	DETAILS OF CONSTRUCTION
" 4-10	PLAN AND PROFILE SHEETS - STA 400+00.0 - 495+21.5
" 11	STD STRUCTURE SHEET 3-20 PIPE CULVERTS
" 12	" " " 3-21 BOX CULVERTS
" 13	" " " 5-22 GUARD RAIL ETC
" 14	" " " 5C-1 CULVERTS 5 FT SPAN AND OVER
" 15-32	CROSS SECTION SHEETS - STA 400+00.0 - 495+21.5

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SECTION	SHEET NO.	TOTAL SHEETS
9	VT.	107A	190	1	32

**STATE OF VERMONT  
STATE HIGHWAY DEPARTMENT**

**PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY**

FEDERAL AID PROJECT

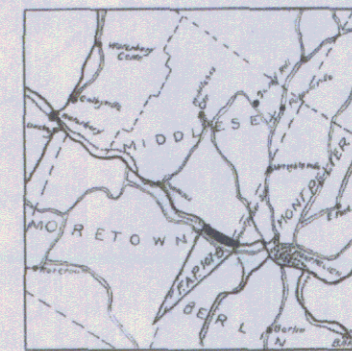
**TOWN OF MIDDLESEX AND CITY OF MONTPELIER**

**BURLINGTON - MONTPELIER ROAD**

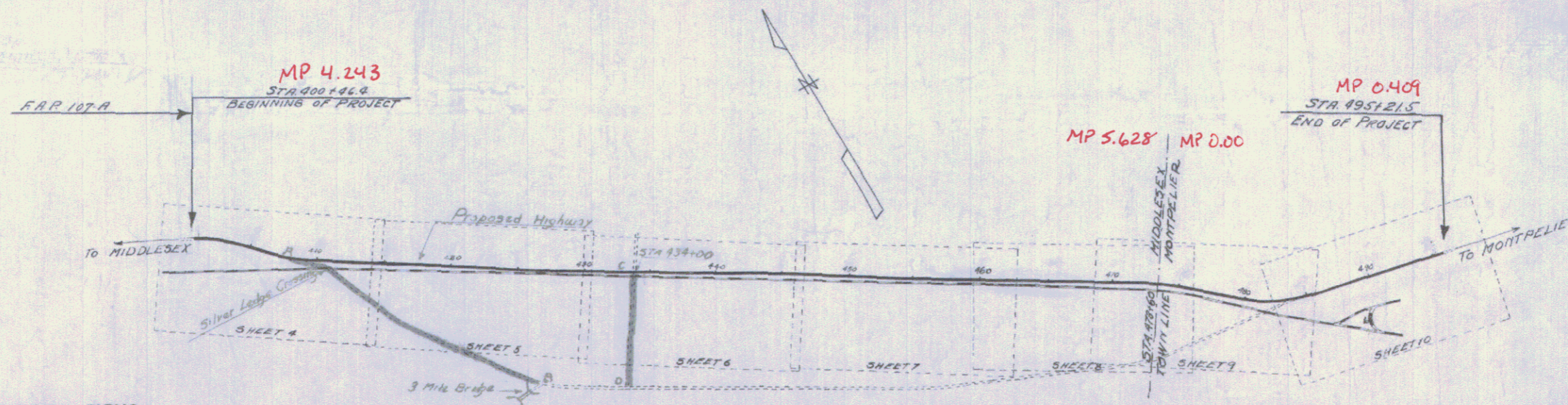
FROM THE END OF PROJECT 107-A

EAST 1.793 MILES

LENGTH OF PROJECT 9471.8 FT. 1.793 MILES



SCALE 1/4" = 1 MILE



**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
- GRADE ELEVATION

- CURVE DATA**
- DEFLECTION ANGLE
  - DEGREE OF CURVE
  - RADIUS OF CURVE
  - TANGENT DISTANCE
  - LENGTH OF CURVE
  - EXTERNAL DISTANCE
  - POINT OF INTERSECTION
  - POINT OF CURVE
  - POINT OF TANGENT
  - POINT ON TANGENT

**SCALE**  
TITLE PAGE 1" = 500'  
PLAN & PROFILE (HORIZ.) 1" = 50'  
VERT. 1" = 10'  
CROSS SECTIONS 1" = 5'

This Project to be constructed in accordance with Standard Road and Bridge Specifications for 1930.  
These plans are subject to such revisions as may be required by the Bureau of Public Roads or the Commissioner of Highways.

APPROVED: APRIL 12 1930

*H. E. Sargent*  
COMMISSIONER OF HIGHWAYS

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

U.S. #2

587

Pin # 99R107

RECOMMENDED

DISTRICT ENGINEER BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL

CHIEF ENGINEER BUREAU OF PUBLIC ROADS

APPROVED

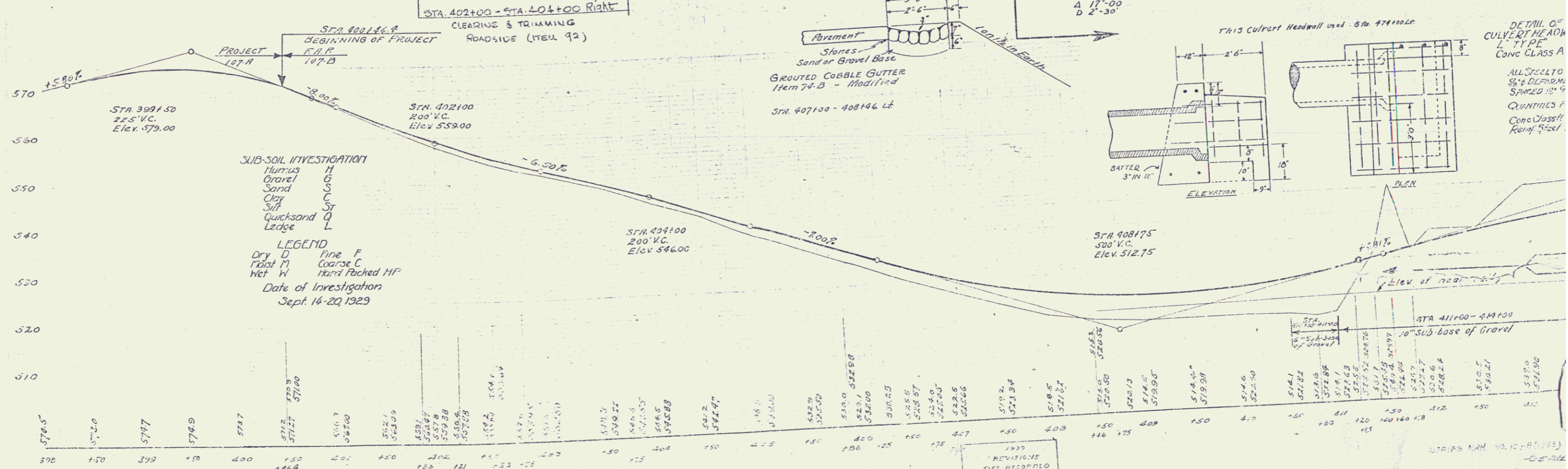
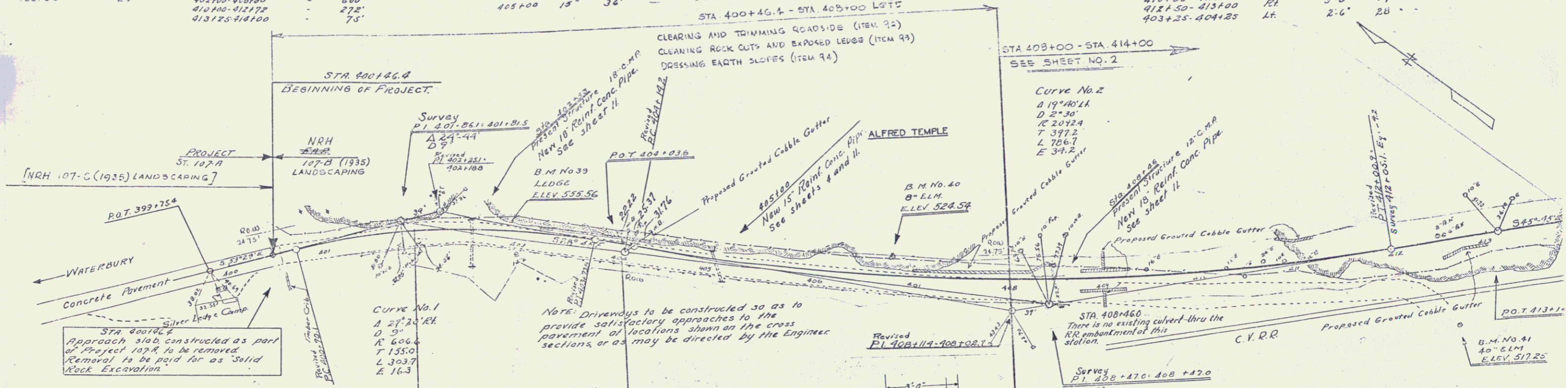
DIRECTOR - BUREAU OF PUBLIC ROADS

SERIES F NO. 107A FILED  
SHEET 1 OF 32

Left	Right	Stations	Left	Right
402+53	24'	408+96	48'	
403+00	24'	402+00-408+00	680'	
		410+00-412+75	275'	
		413+25-414+00	75'	

Station	Station	Station	Station	Station
402+53	18'	46'	33'	30' cut
408+46	18'	42'	18' cut	32'
405+00	18'	36'		33' M 17' cut

Station	Station	Station	Station	Station
407+00-408+46	Left	Right	2'-6"	81'
409+00	Runoff	Left & Right	2'-6"	39'
410+50-411+20	Left	Right	3'-0"	13'
412+50-413+00	Left	Right	3'-0"	17'
403+25-404+25	Left	Right	2'-6"	28'

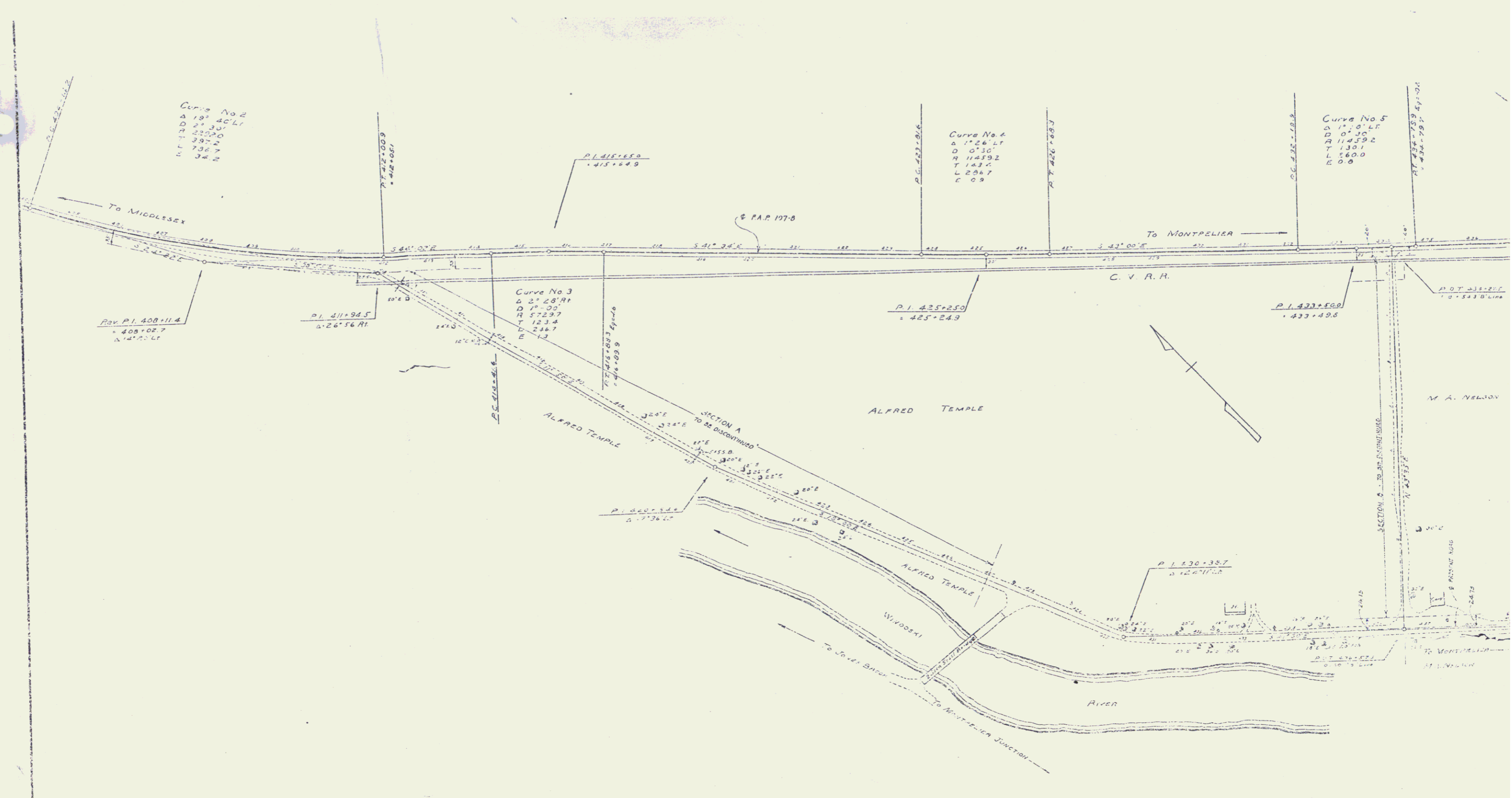


B.M. No. 39. Spike on ledge, left of Sta. 403+00. Elev. 555.56  
 B.M. No. 40. Spike in trunk of 8" Elm, left of Sta. 404+85. Elev. 524.54  
 B.M. No. 41. Spike in rest of 8" Elm, right of Sta. 412+50. Elev. 577.45

POOR ORIGINAL COPY

1930  
 REVISIONS  
 TIES RECORDED  
 AT PL 408+14  
 JULY 28

4



Curve No. 2  
 Δ 19° 40' L  
 D 0' 30"  
 R 114.592  
 T 130.1  
 L 560.0  
 E 0.0

Curve No. 4  
 Δ 11° 26' L  
 D 0' 30"  
 R 114.592  
 T 130.1  
 L 560.0  
 E 0.0

Curve No. 5  
 Δ 17° 0' L  
 D 0' 30"  
 R 114.592  
 T 130.1  
 L 560.0  
 E 0.0

Curve No. 3  
 Δ 27° 28' R  
 D 0' 30"  
 R 114.592  
 T 130.1  
 L 560.0  
 E 0.0

SILVER LEDGE RAILWAY CROSSING  
 ELIMINATION  
 TOWN OF MIDDLESEX  
 Scale 1" = 100'

Shown by [Signature]  
 Designed by [Signature]  
 Drawn by [Signature]  
 Checked by [Signature]  
 Date [Signature]



Curve No. 5

Station	Left	Right
439+00	431+00	447+00
439+10	431+10	447+10
439+20	431+20	447+20
439+30	431+30	447+30
439+40	431+40	447+40
439+50	431+50	447+50
440+00	432+00	448+00
440+10	432+10	448+10
440+20	432+20	448+20
440+30	432+30	448+30
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441+00	433+00	449+00
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441+20	433+20	449+20
441+30	433+30	449+30
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441+50	433+50	449+50
442+00	434+00	450+00
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442+20	434+20	450+20
442+30	434+30	450+30
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444+20	436+20	452+20
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470+20	462+20	478+20
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486+30	478+30	494+30

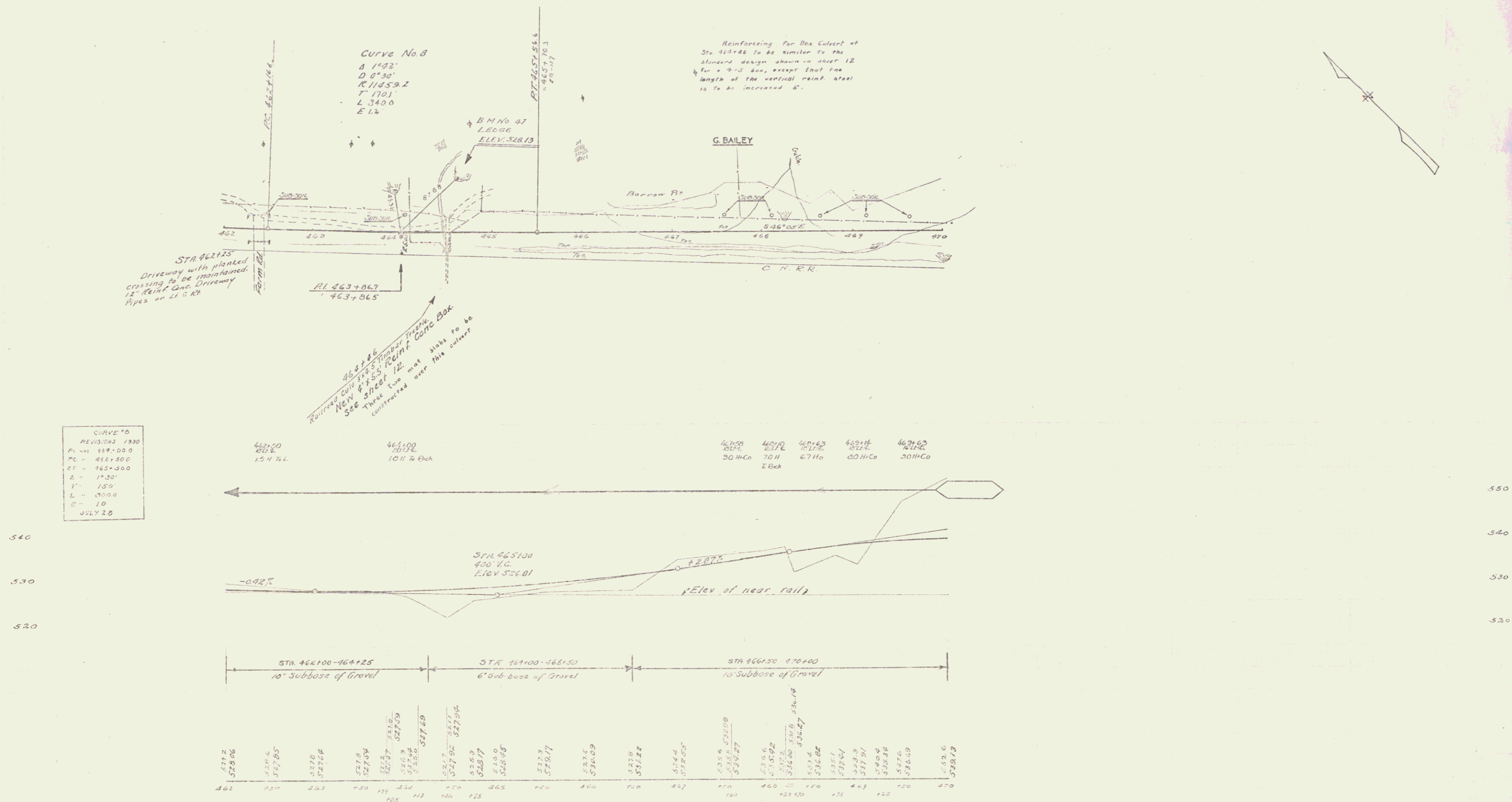


Wood Guard Rail Required    Cable Guard Rail Required  
 Station Left Right    Station Left Right  
 464+46    24'    24'    466+60-470+00    -    390'

NEW REINF CONC BOX CULVERTS REQUIRED  
 Station Size Conc. Size  
 464+46    4'x5.5'    247' by 103"    "

NEW REINF CONC DRIVEWAY PIPES REQUIRED  
 Station    diam    length    conc. size  
 462+25.4    12"    24'    2.3 cu yds  
 462+25.4    12"    20'    1.3

107.9 1750 0 32



WOOD GUANO PILE REQUIRED

Station	Left	Right
483+00	24'	-
471+25	24'	-
474+00	24'	-

CABLE GUANO PILE REQUIRED

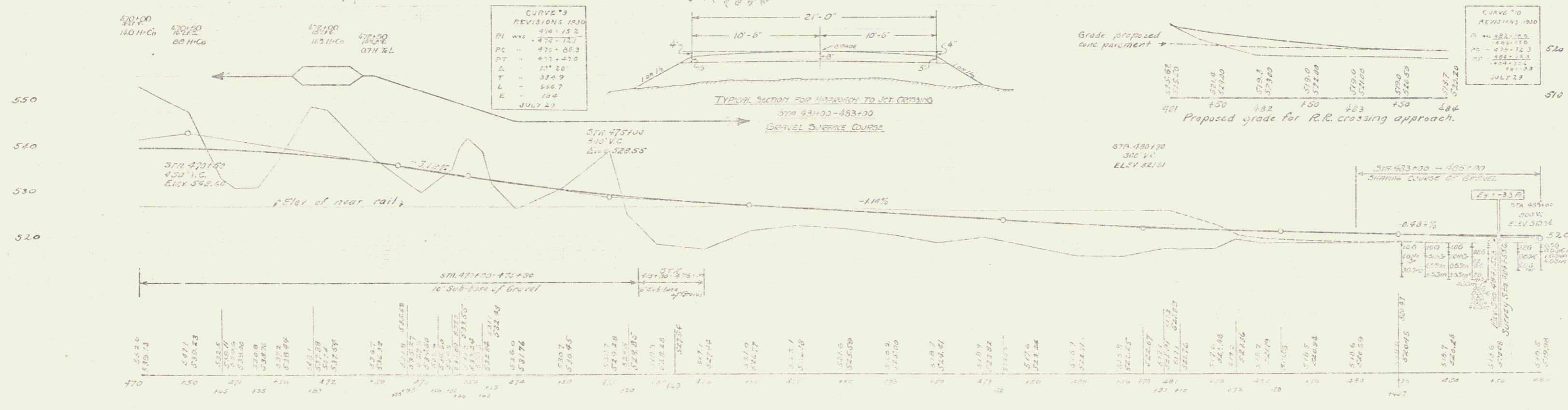
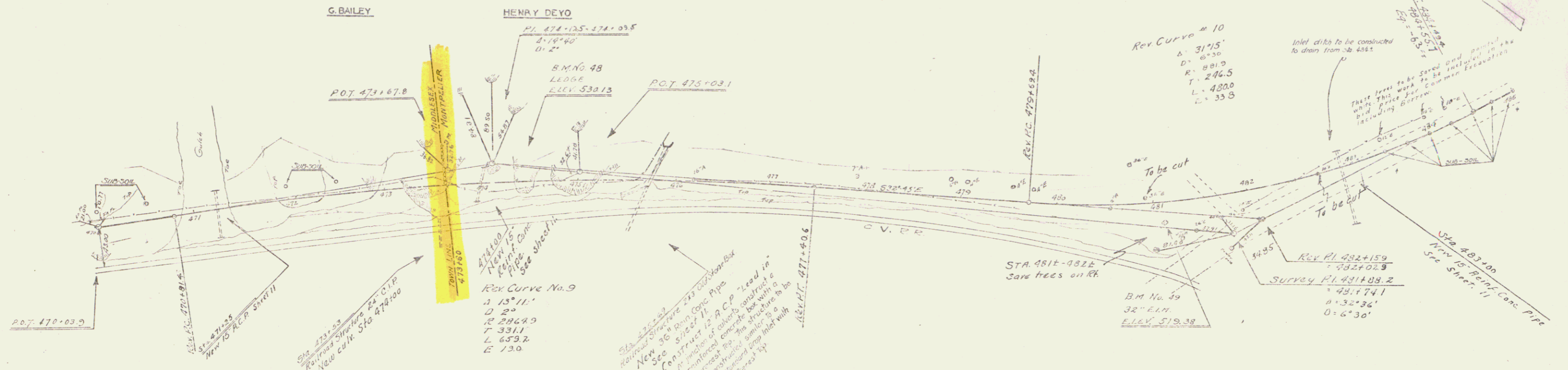
Station	Left	Right
470+00 - 471+00	-	15'
473+00 - 474+00	-	14'
475+00 - 474+00	-	20'

NEW POINT CONC FOR CURVES REQUIRED

Station	Dist	Loc	Conc	R	Curve	Conc
471+00	15'	40'	19cy	12cy	93"	1.2cy
483+00	15'	06'	-	29cy	33"	-
471+25	15'	48'	-	17cy	33"	-
475+69	12'	20'	-	-	-	-
475+69	36'	44'	5.3	-	186"	1.2cy

WOOD GUIDE POSTS REQUIRED

Station	Left	Right
483+00	-	1



B.M. No. 48. Spot on ledge Sta 474+35. Elev 530.13  
 B.M. No. 49. Spike in end of 32" Elm. right of Sta 481+10. Elev 519.38

