TOWN OF BENNINGTON

PLAN AND PROFILE OF PROPOSED IMPROVEMENT

STATE HIGHWAY NO. 2

FROM PERCEY'S CORNER TO NORTH BENNINGTON VILLAGE

Route : VT67A
Project : MSB15
Proj. : 00R408
Date : 02/08/1921

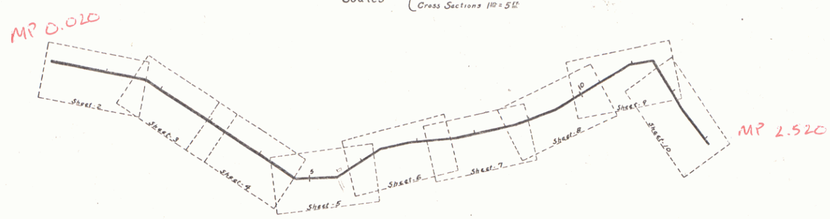
INDEX TO SHEETS

SUMMARY OF QUANTITIES

EARTH EXCAVATION	4877	CU. YDS.
BORROW	735	" "
CEMENT CONCRETE PAVEMENT REINFORCED	4565	" "
1-2-4 CONCRETE (CLASS A)	30	" "
1-3-6 CONCRETE (CLASS C)	37	" "
X WOODEN GUARD RAIL	1132	LIN. FT.
VITRIFIED LEACHING BASINS	—	—
X CRUSHED STONE OR GRAVEL FOR SHOULDERS	2130	CU. YDS.
ROCK EXCAVATION	20	" "
CONCRETE AT R.R. CROSSINGS	67	" "
REINFORCING STEEL	450	LBS.
X BROKEN STONE OR GRAVEL FOR DRAINS	175	CU. YDS.
STANDARD UNDERDRAIN	1010	LIN. FT.
SUB BASE	2346	CU. YDS.
RECONSTRUCTED SUB BASE	288	" "
SAND OR GRAVEL CUSHION	1800	" "
X 1-2-4 CONCRETE (CLASS A) FOR STRUCTURES OVER 4 FT. SPAN	62	CU. YDS.
X 1-3-6 CONCRETE (CLASS C) " " "	146	" "
X REINFORCING STEEL " " "	9011	LBS.

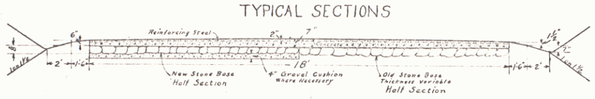
X = OPTIONAL ITEMS

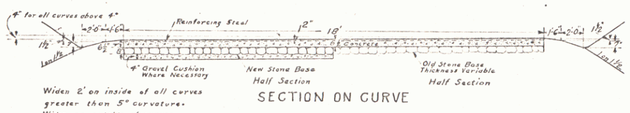
Scales { Plan - 1 in = 50 ft.
Profile - Hor. 1 in = 50 ft. Vert. 1 in = 10 ft.
Cross Sections 1 in = 5 ft.



LAYOUT
Scale - 1 in = 1000 ft.

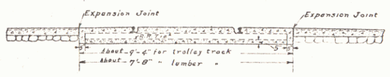
TYPICAL SECTIONS



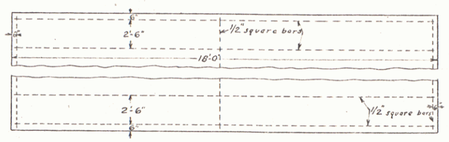


Widen 2' on inside of all curves greater than 5° curvature.
Widen on outside of curves subtracted.

SECTION ON CURVE

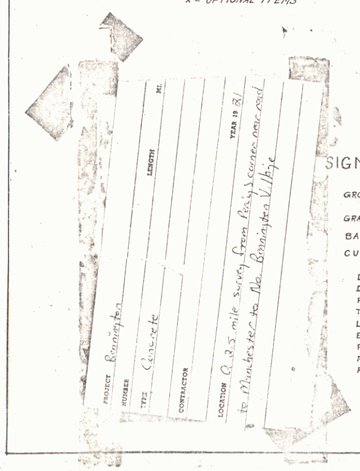


SECTION OF R.R. CROSSING
Scale : Hor. 1" = 2 1/2 ft.
Vert 1" = 5 ft.



PLAN
SHOWING BAR REINFORCING
Scale : Hor. 1" = 2 1/2 ft.
Vert 1" = 5 ft.

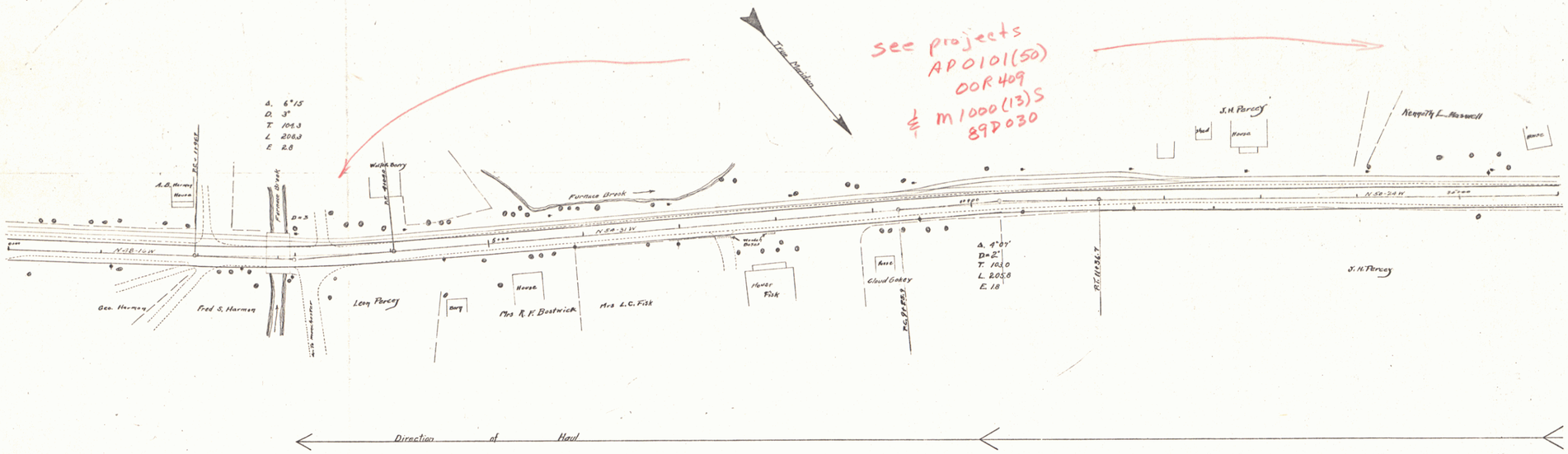
H. M. McIntosh
STATE ENGINEER
2/8/21



SIGNS

GROUND ELEVATION ——— Datum Line
GRADE ELEVATION ——— Datum Line
BASE OF RAIL (on tracks) ———
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.



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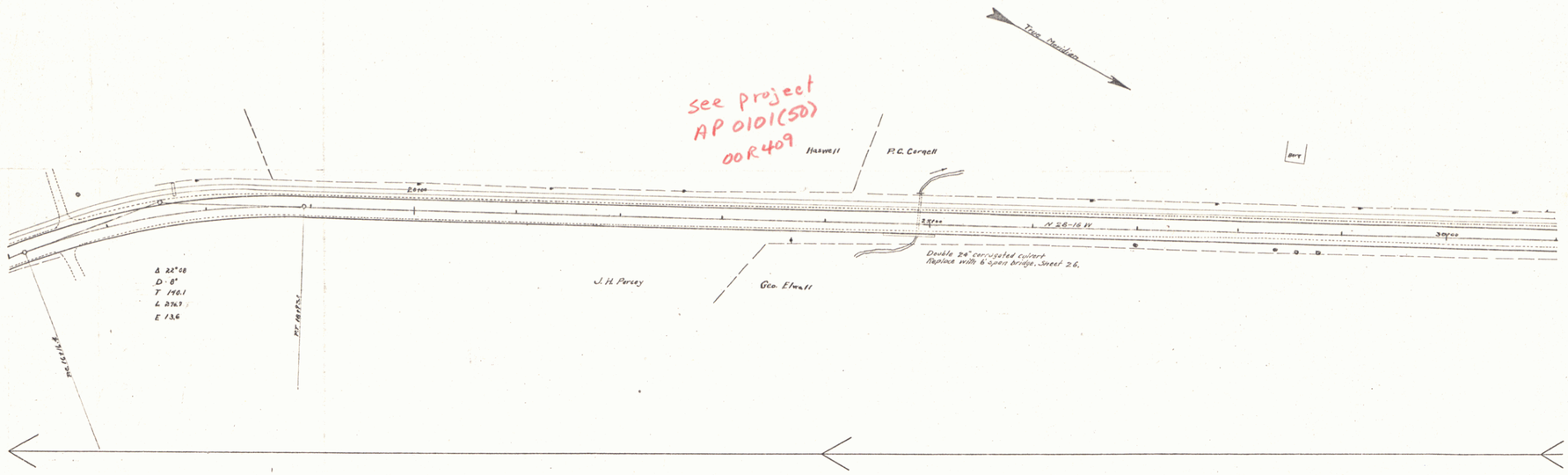
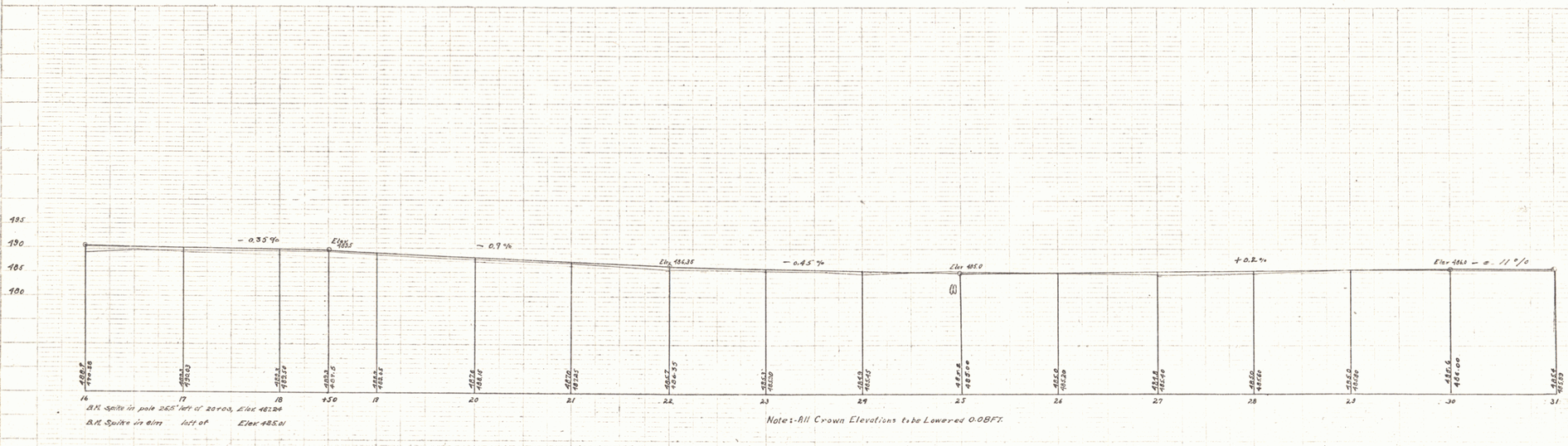
see project
AP 0101(50)
00R409





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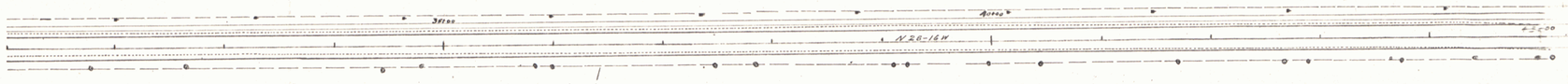
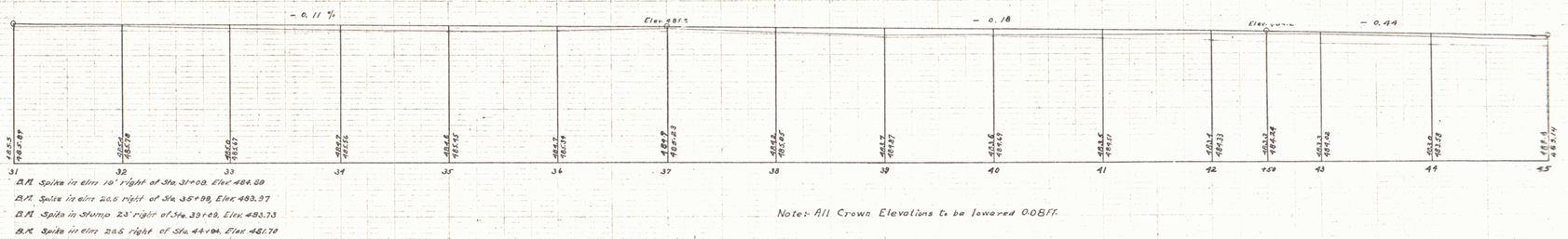
see project
AP0101(50)
00R409

P. C. Cornell

True Meridian





B.M. Spike in elm 10' right of Sta. 31+09. Elev. 484.89
B.M. Spike in elm 24.5 right of Sta. 35+98. Elev. 483.37
B.M. Spike in stump 23' right of Sta. 39+09. Elev. 483.73
B.M. Spike in elm 24.5 right of Sta. 44+94. Elev. 481.70

Note:- All Crown Elevations to be lowered 0.08 Ft.

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GUARD RAIL REQUIRED ON LEFT

Sta. 47+30	to	Sta. 47+54	Length	24 ft.
" 49+33	"	" 49+57	"	24 "
" 51+14	"	" 51+38	"	24 "
" 56+82	"	" 57+06	"	24 "
" 57+50	"	" 59+10	"	160 "
			TOTAL THIS SHEET	256 Ft.

NEW CULVERTS REQUIRED

Sta. 47+43	3'x2' Reinforced Concrete	41'-6"
	1-2-4 Concrete	8.5 Cu. Yds.
	1-3-6 Concrete	10.4 " "
	Steel	187.0 Lbs.

CULVERT REPAIRS REQUIRED

Sta. 49+45	3'x3' Reinforced Concrete	27'-4"
	1-2-4 Concrete	5.6 Cu. Yds.
	1-3-6 Concrete	8.3 " "
	Steel	123.0 Lbs.
Sta. 51+26	1-2-4 Concrete Inlet Box	1.5 Cu. Yds.
" 56+94	" " " "	1.0 " "

B.M. N.E. corner headwall 13.0' right of sta. 47+46 Elev. 480.76
B.M. N.E. corner headwall 24' right of sta. 49+52 Elev. = 482.27
B.M. Middle of headwall 12.5' left of sta. 51+26 Elev. = 483.38
B.M. Hayne's concrete step 3.5' from N. rail right of sta. 53+97 Elev. = 486.88
B.M. Middle of headwall 14' left of sta. 56+94 Elev. = 485.30

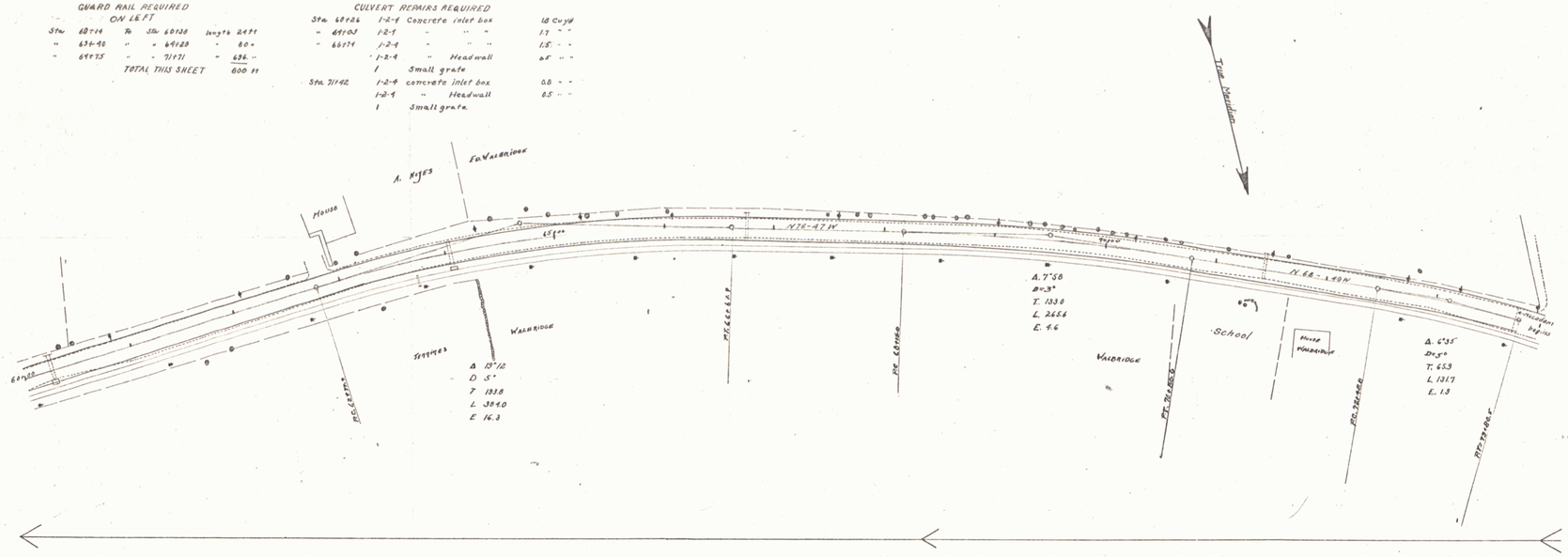
Note:- All Crown Elevations to be lowered 0.08 FT.

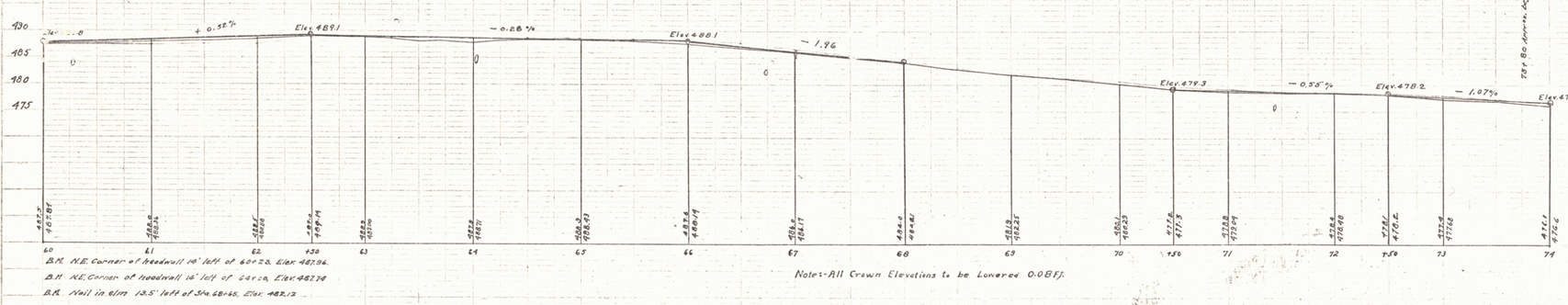
GUARD RAIL REQUIRED
ON LEFT

Sta	60+14	To	Sta 60+38	Length	24 ft
"	63+90	"	" 64+20	"	30 "
"	64+75	"	" 71+71	"	636 "
		TOTAL THIS SHEET			690 ft

CULVERT REPAIRS REQUIRED

Sta	60+26	1-2-4	Concrete inlet box	1.8 Cu yd
"	64+03	1-2-1	" " "	1.7 " "
"	66+74	1-2-1	" " "	1.3 " "
		1-2-1	" Headwall	0.6 " "
		1	Small grate	
Sta	71+42	1-2-4	concrete inlet box	0.8 " "
		1-2-1	" Headwall	0.5 " "
		1	Small grate.	





B.M. N.E. Corner of headwall 16' left of 60+23, Elev. 487.96.
B.M. N.E. Corner of headwall 16' left of 64+03, Elev. 487.74
B.M. Nail in elm 13.5' left of Sta. 68+55, Elev. 482.12
B.M. Spike in elm 16' left of 71+64, Elev. 478.08

Note:- All Crown Elevations to be Lowered 0.08 Ft.

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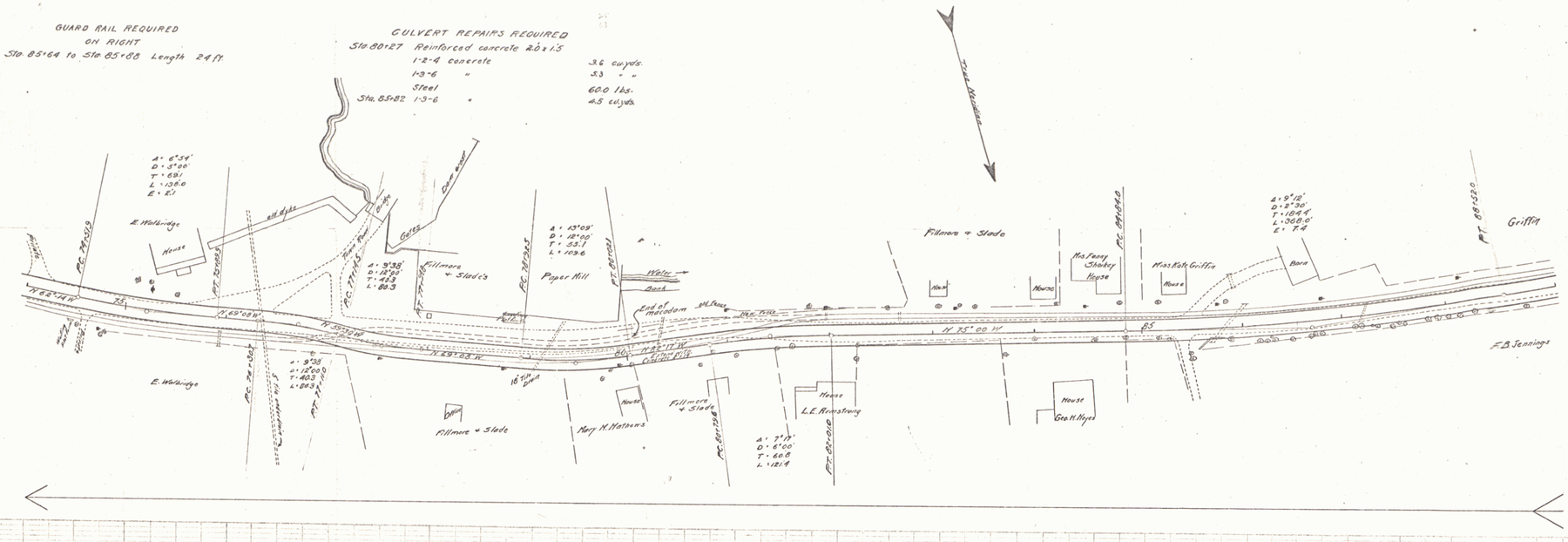
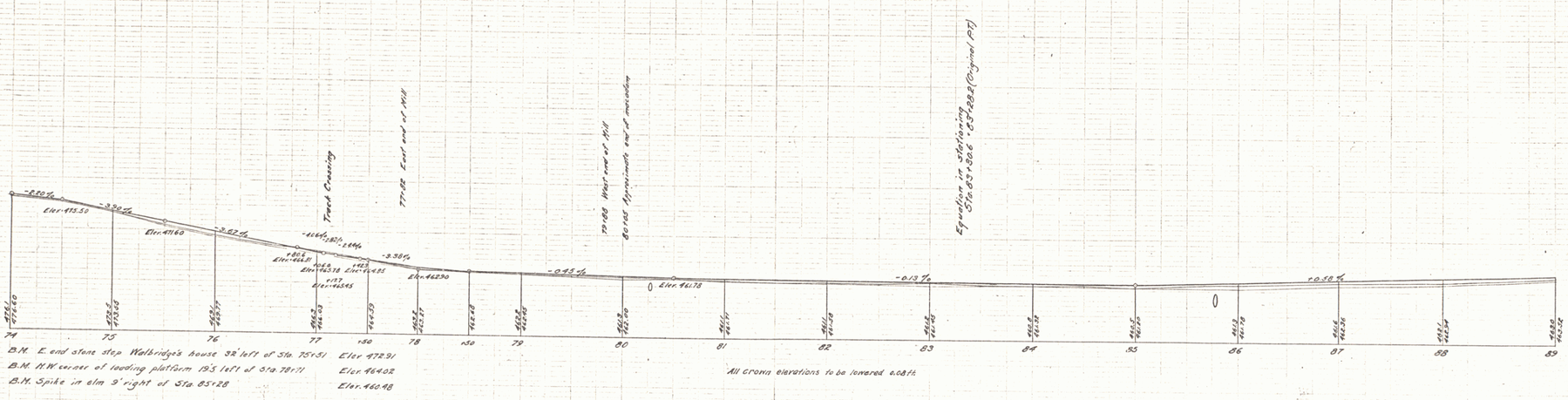
GUARD RAIL REQUIRED
ON RIGHT
Sta. 85+64 to Sta. 85+88 Length 24 ft.

CULVERT REPAIRS REQUIRED
Sta 80+27 Reinforced concrete 2.0 x 1.5
1-2-4 concrete 3.6 cu.yds.
1-3-6 " .53 " "
Steel 60.0 lbs.
Sta. 85+82 1-3-6 " 4.5 cu.yds.





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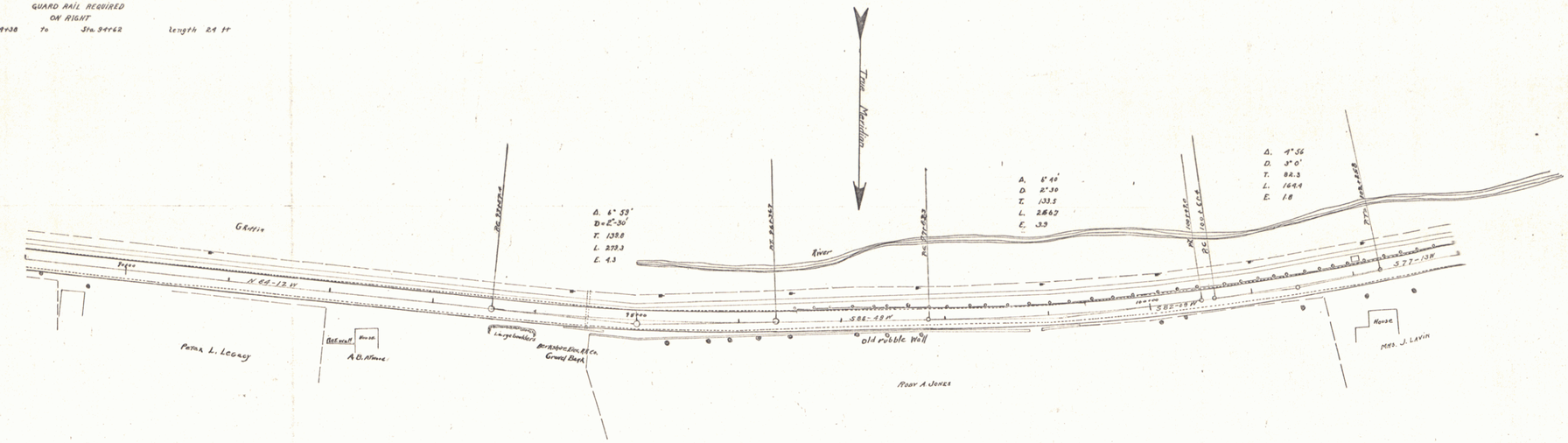
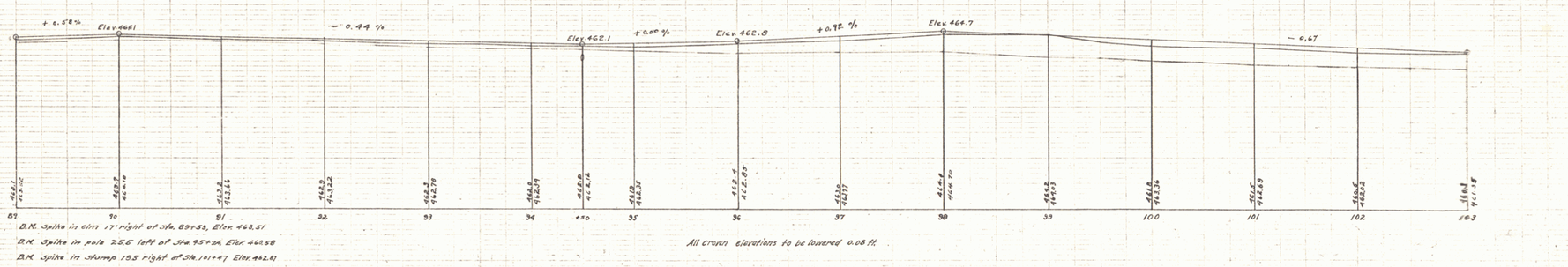
GUARD RAIL REQUIRED
ON RIGHT
Sta. 34+38 to Sta. 34+62 Length 24 ft





B.M. Spike in elm 17' right of Sta. 89+53, Elev. 463.51
B.M. Spike in pole 25.6' left of Sta. 95+24, Elev. 462.58
B.M. Spike in stump 18.5 right of Sta. 101+47, Elev. 462.21

All crown elevations to be lowered 0.08 ft.

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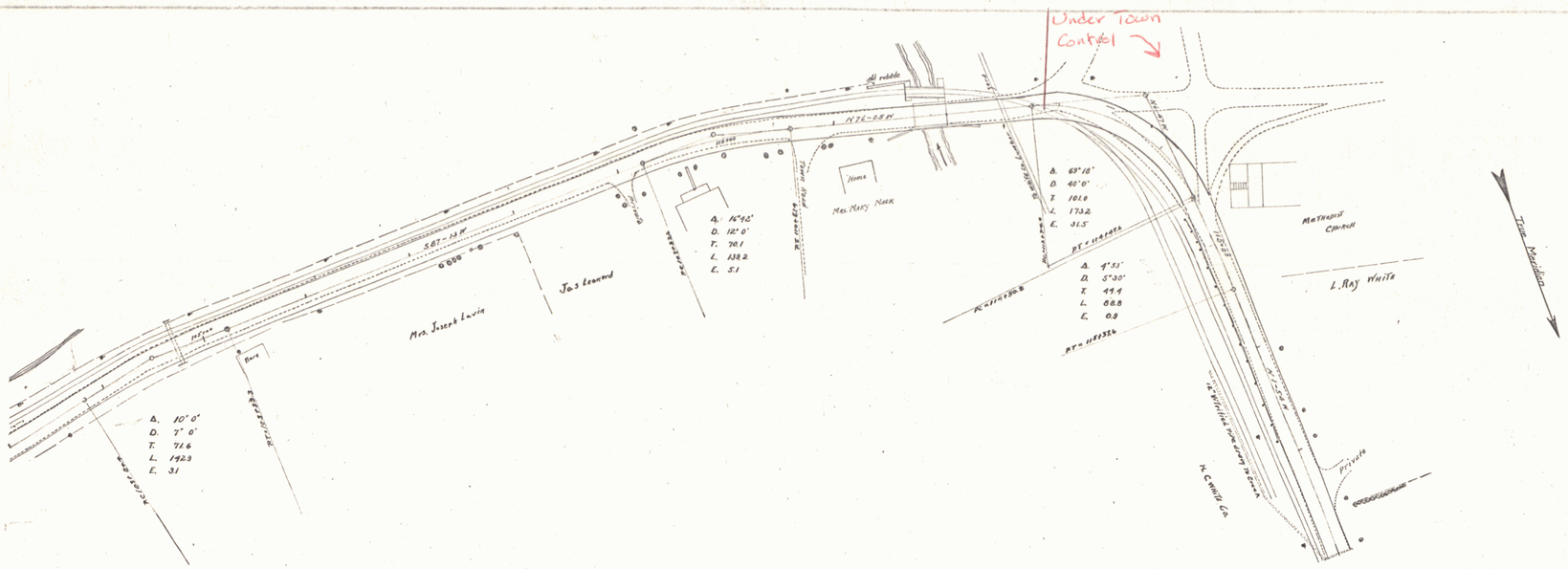

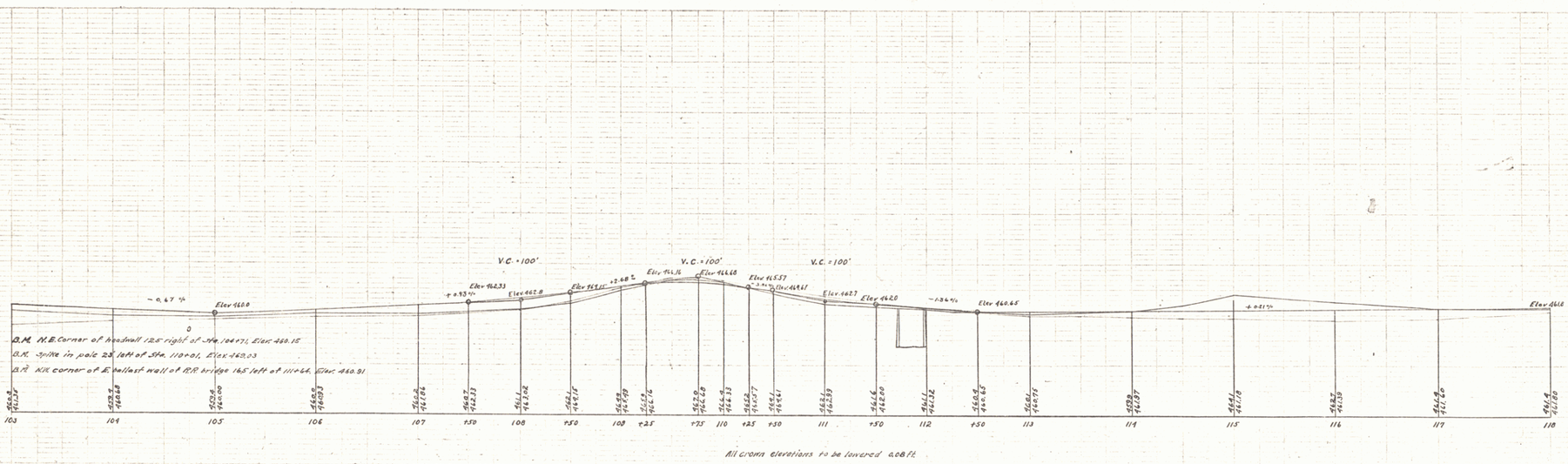

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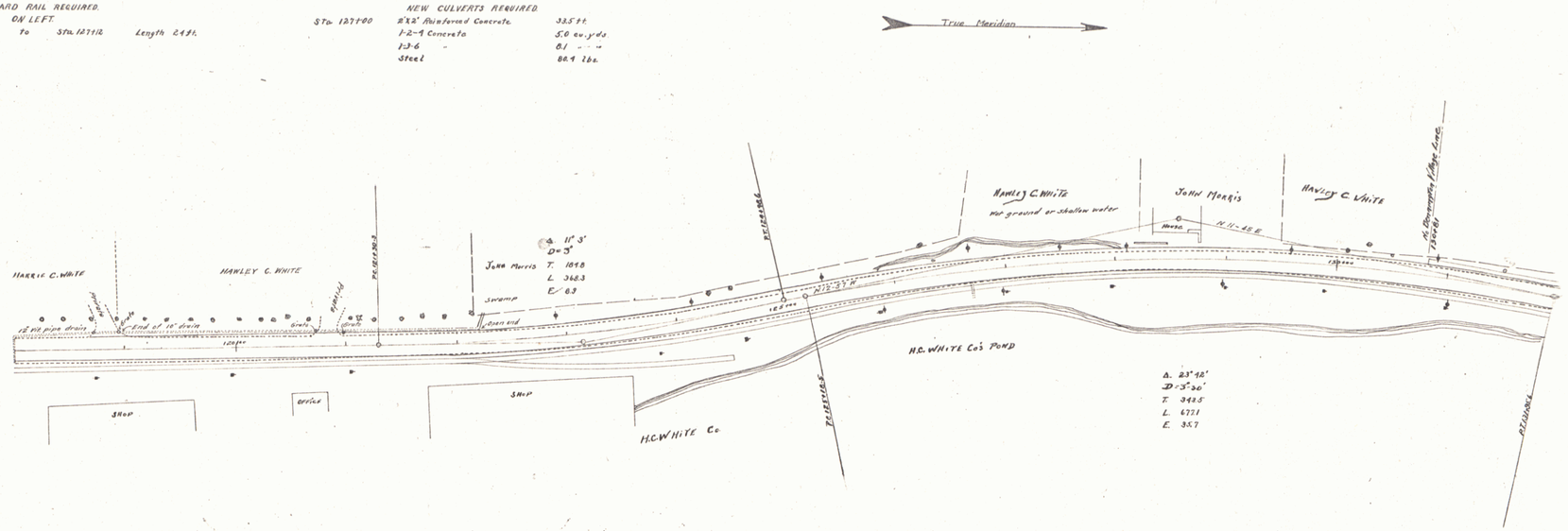
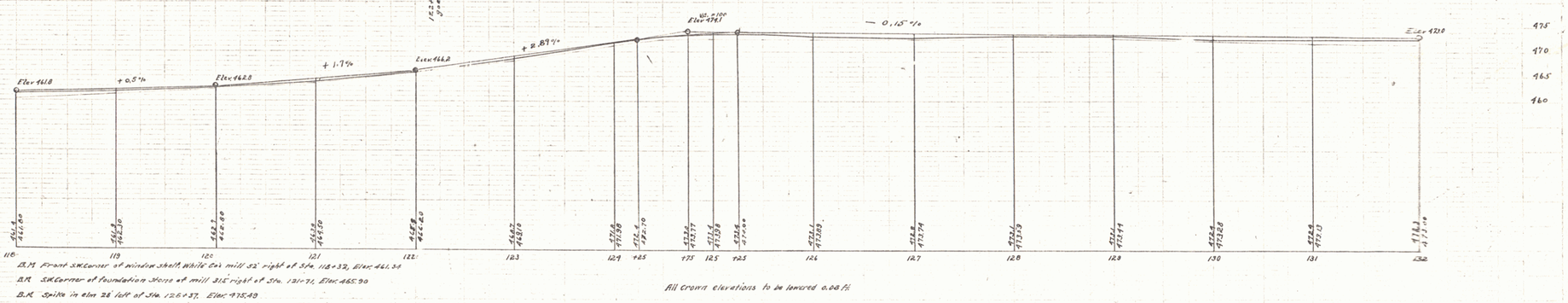
GUARD RAIL REQUIRED.
ON LEFT.
Sta. 126+88 to Sta. 127+12 Length 24 ft.

NEW CULVERTS REQUIRED.

Sta. 127+00	2'x2' Reinforced Concrete	33.5 ft.
	1-2-4 Concrete	5.0 cu. yds.
	1-3-6 "	8.1 " "
	Steel	88.4 lbs.





B.M. Front S.W. corner of window shelf, White Co's mill 52' right of Sta. 118+32, Elev. 461.38
B.M. S.W. corner of foundation stone at mill 315' right of Sta. 121+71, Elev. 465.90
B.M. Spike in elm 28' left of Sta. 126+37, Elev. 475.49
B.M. Spike in elm 21' left of Sta. 130+27 Elev. 473.15

All crown elevations to be lowered 0.08 ft.

J.L. Davis
J.L.D.

F.W. Berger
E.R. Walsh
W. Lewis
J.L. Davis

9/30/26
9/30/26
9/30/26

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