

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL
9	VT.	1154	1928	1	123

INDEX OF SHEETS

SHEET NO.	TITLE PAGE
2A	TYPICAL CROSS-SECTION OF IMPROVEMENT (CONCRETE)
3	(MACADAM)
5	PLAN AND PROFILE STA. 0+00 - 8+00
6	" " " " 8+00 - 24+00
7	" " " " 24+00 - 38+00
8	" " " " 38+00 - 54+00
9	" " " " 54+00 - 69+00
10	" " " " 69+00 - 84+00
11	" " " " 84+00 - 99+00
12	" " " " 99+00 - 114+00
13	" " " " 114+00 - 129+00
14	" " " " 129+00 - 145+00
15	" " " " 145+00 - 159+00
16	" " " " 159+00 - 175+00
17	" " " " 175+00 - 191+00
18	" " " " 191+00 - 207+00
19	" " " " 207+00 - 223+00
20	" " " " 223+00 - 236+00
21	" " " " 236+00 - 252+00
22	" " " " 252+00 - 268+00
23	" " " " 268+00 - 280+00
24	" " " " 280+00 - 292+00
25	" " " " 292+00 - 308+00
26	" " " " 308+00 - 324+00
27	" " " " 324+00 - 340+00
28	" " " " 340+00 - 355+00
29	" " " " 355+00 - 371+00
30	" " " " 371+00 - 387+00
31	" " " " 387+00 - 402+00
32	" " " " 402+00 - 413+00
33	" " " " 413+00 - 427+00
34	" " " " 427+00 - 441+00
35	" " " " 441+00 - 446+65
36	BRIDGE, STA. 85+78
45 TO 123	CROSS SECTION SHEETS

STATE OF VERMONT STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FEDERAL AID PROJECT

TOWNS OF ST. JOHNSBURY-LYNDON ST. JOHNSBURY-LYNDONVILLE ROAD

BEGINNING AT HASTINGS BRIDGE IN ST. JOHNSBURY VILLAGE
AND EXTENDING NORTH TO THE PRESENT WOODEN BRIDGE
NEAR THE LYNDONVILLE CREAMERY

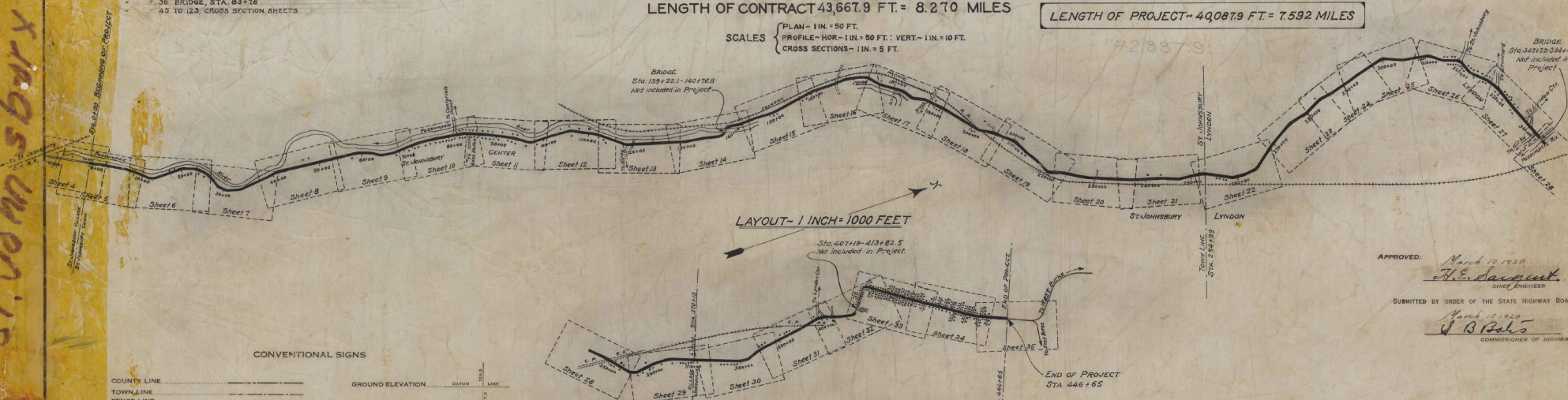
LENGTH OF CONTRACT 43,667.9 FT. = 8.270 MILES

LENGTH OF PROJECT 49,087.9 FT. = 7.592 MILES

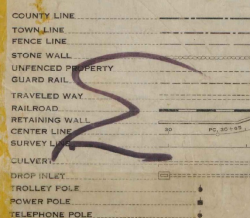
PLAN - 1 IN. = 50 FT.
PROFILE - HOR. - 1 IN. = 50 FT. VERT. - 1 IN. = 10 FT.
CROSS SECTIONS - 1 IN. = 5 FT.



SCALE - 1 IN. = 4 MI.



CONVENTIONAL SIGNS



GROUND ELEVATION DATUM LINE
GRADE ELEVATION DATUM LINE

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.
POINT ON TANGENT P.O.T.

This project to be constructed in accordance with Standard Specifications on file with the U.S. Bureau of Public Roads as approved July 7, 1926, except for Bituminous Macadam Surface Course, Item 22, for which revised Specifications have been submitted to the Bureau of Public Roads.

All structures on this project to be constructed in accordance with details given on Standard Structure Sheets, Series Nos. 17, 18 and 19

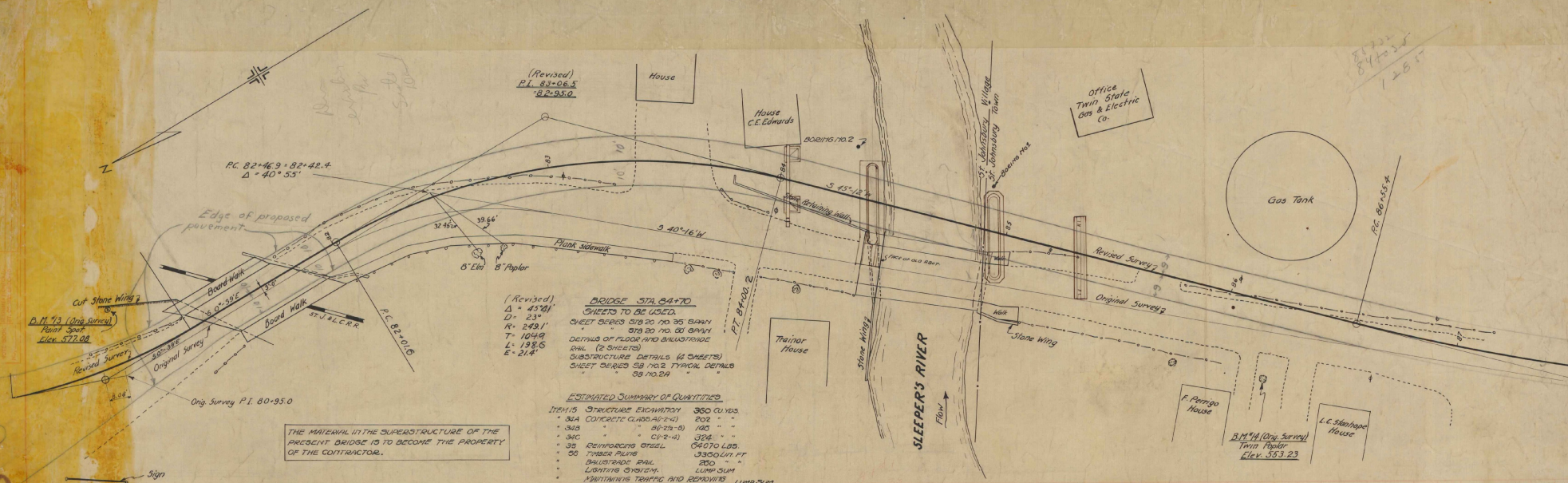
THESE PLANS SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE CHIEF ENGINEER.

APPROVED: March 10, 1928
H. E. Langcutt
CHIEF ENGINEER
SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD
March 10, 1928
W. B. Bates
COMMISSIONER OF HIGHWAYS

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. 115A FILED
SHEET 1 OF 123

ST. JOHNSBURY
FRP 156
keep

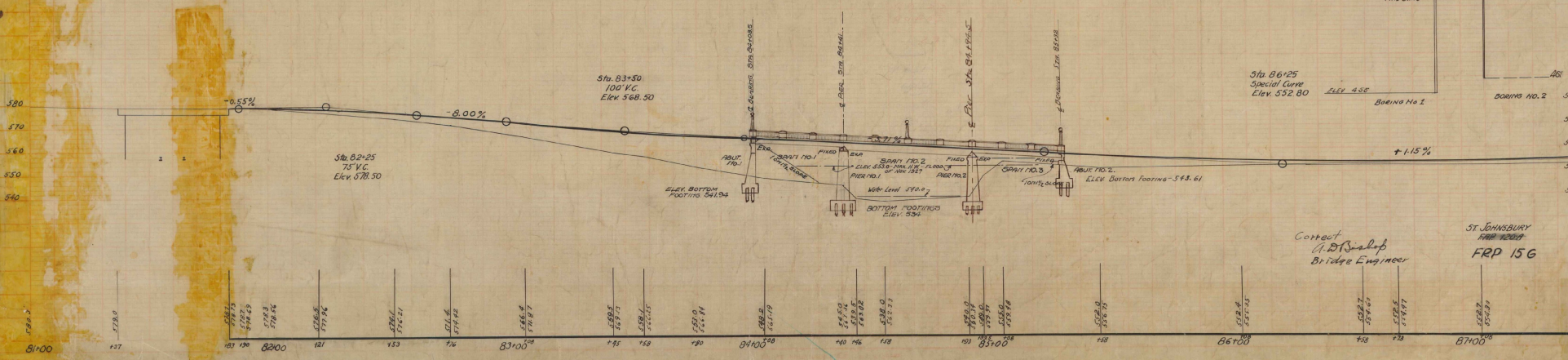
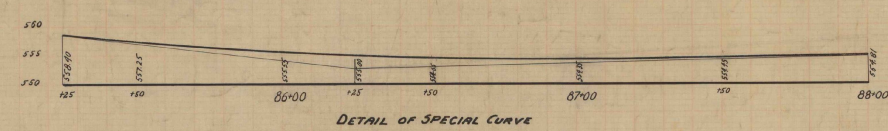


BRIDGE STA. 86+70
SHEETS TO BE USED:
SHEET 8625 STA 20 NO. 35 BARY
SHEET 8626 STA 20 NO. 35 BARY
DETAILS OF FLOOR AND BRIDGE
RAIL (2 SHEETS)
SUBSTRUCTURE DETAILS (2 SHEETS)
SHEET 8627 STA 20 TYPICAL DETAILS
SHEET 8628 STA 20 TYPICAL DETAILS

ESTIMATED SUMMARY OF QUANTITIES

ITEMS	STRUCTURE EXCAVATION	360 CUB. YDS.
3A	CONCRETE GLASS (4-4)	202 "
3B	" " " " (4-4)	182 "
3C	" " " " (4-4)	328 "
3D	REINFORCING STEEL	3800 LBS.
3E	TRUSS RAIL	3800 LBS.
3F	RAILROAD RAIL	200 "
3G	LIGHTING SYSTEM	LUMP SUM
3H	PAINTING TRAFFIC AND REMOVING SUPERSTRUCTURE PRESENT BRIDGE	LUMP SUM

THE MATERIAL IN THE SUPERSTRUCTURE OF THE PRESENT BRIDGE IS TO BECOME THE PROPERTY OF THE CONTRACTOR.



Correct
A. B. Bishop
Bridge Engineer

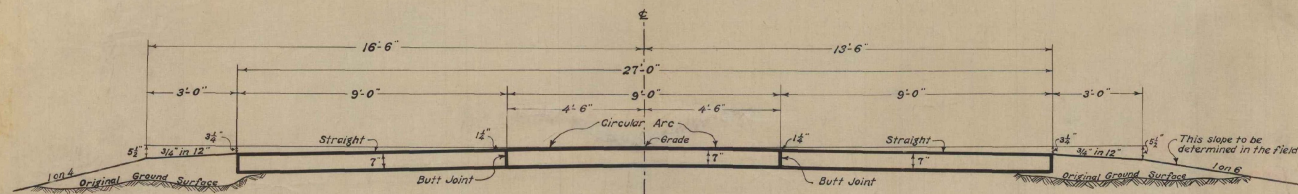
ST. JOHNSBURY
FRP 156

FILE NO.	STATE	FILE NO.	STATE	SHEET NO.	TOTAL SHEETS
5	VI	1154	1928	2A	123

TYPICAL SECTIONS ONE COURSE CEMENT CONCRETE PAVEMENT TYPE B ITEM 23B

For details of Transverse Expansion Joint, see Sheet No. 2

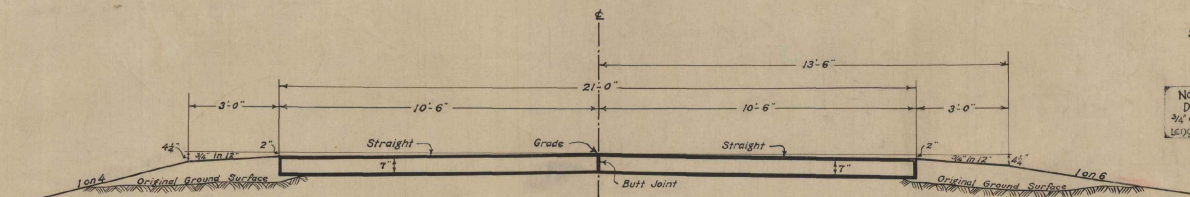
All Concrete to be Class A (4-2-4)



SECTION R.C.5
27' PAVEMENT

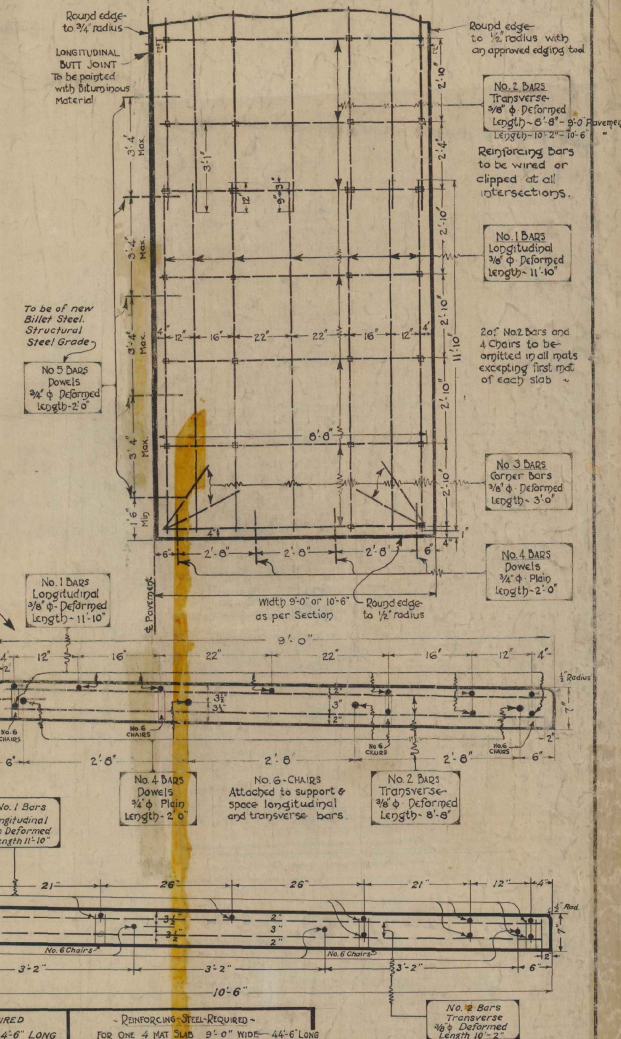
SECTION AREA - 15.75 Sq. Ft. FOR 27' WIDTH

The slope of fill outside of shoulder as used to be determined by Engineer.



SECTION R.C.6
21' PAVEMENT

SECTION AREA - 12.25 Sq. Ft.



REINFORCING STEEL PER 100 SQ. FT. OF PAVEMENT (exclusive of Dowels and Chairs)		REINFORCING STEEL REQUIRED FOR ONE 4' MAT SLAB 10'-6" WIDE - 44'-6" LONG		REINFORCING STEEL REQUIRED FOR ONE 4' MAT SLAB 9'-0" WIDE - 44'-6" LONG	
No. of Bars	SIZE	PLAN OR DEFORMED LENGTH	No. of Bars	SIZE	PLAN OR DEFORMED LENGTH
No. 1 Bars	3/8"	Deformed 11'-10"	No. 1 Bars	3/8"	Deformed 11'-10"
No. 2 Bars	3/8"	Deformed 10'-2"	No. 2 Bars	3/8"	Deformed 10'-2"
No. 3 Bars	3/8"	Deformed 9'-0"	No. 3 Bars	3/8"	Deformed 9'-0"
No. 4 Bars	3/8"	Plain 2'-0"	No. 4 Bars	3/8"	Plain 2'-0"
No. 5 Bars	3/8"	Deformed 2'-0"	No. 5 Bars	3/8"	Deformed 2'-0"
No. 6 Chairs			No. 6 Chairs		
Total Reinf. Steel per Cu. Yd. of Concrete, exclusive of Chairs		36.44 lbs.	Total Reinf. Steel per Cu. Yd. of Concrete, exclusive of Chairs		48.29 lbs.

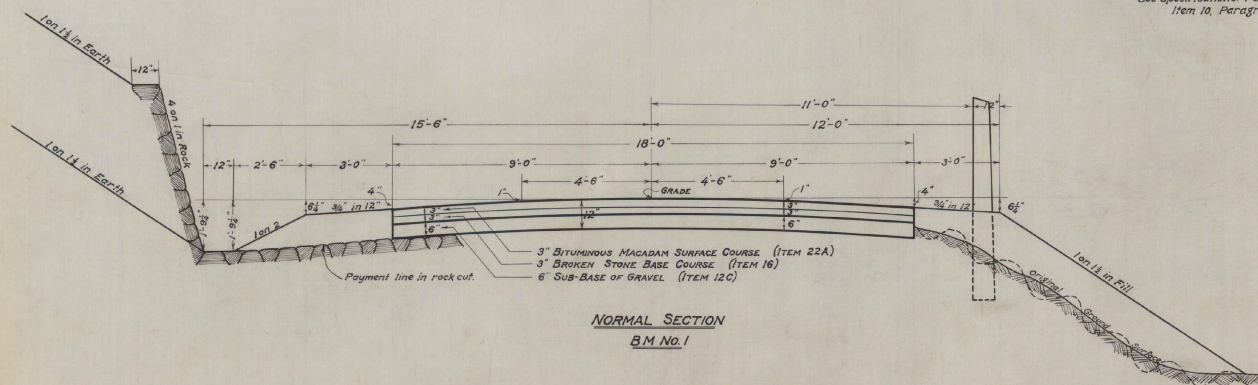
Designed by A. A. Doe July-Aug. 1927
Designed by H. E. Sargent
Drawn by L. T. Hayward Feb. 1928
Checked by K. W. Whitney Feb. 1928
Checked by
Sheet No. 1154
Sheet 2A of 123

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT	115A	1928	3	123

TYPICAL SECTIONS BITUMINOUS MACADAM SURFACE COURSE

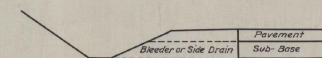
When embankments are to be made on a hillside the slope of the original ground on which the embankments are to be placed shall be plowed deeply before the filling is commenced.

See Specifications: Pamphlet B
Item 10, Paragraph 10.3

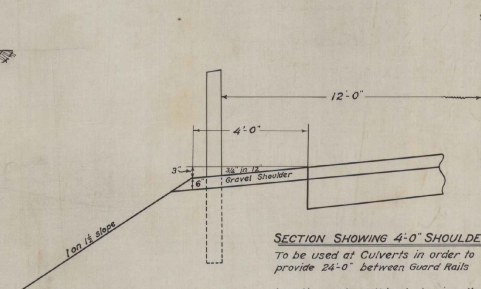
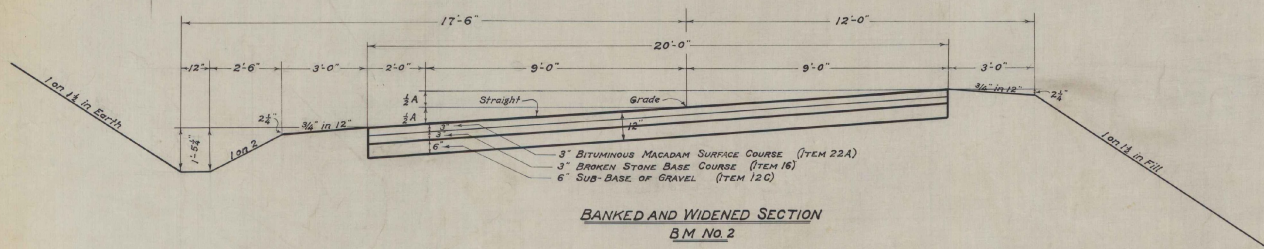


BLEEDERS OR SIDE DRAINS

Bleeders or Side Drains from Sub-Base of Gravel to be located at frequent intervals to provide proper drainage to side of road.



Width of Drain = 3'-0"
Thickness of Drain = Thickness of Sub-Base
Construction methods and payment to be same as Sub-Base of Gravel. (Item 12C)



SECTION SHOWING 4'-0" SHOULDER
To be used at Culverts in order to provide 24'-0" between Guard Rails

Locations where this design is called for are shown on Cross Section Sheets

VALUE OF A IN BANKING

3'-00" TO 4'-59" ~ 8 INCHES
5'-00" TO 7'-00" ~ 10 "
7'-01" TO 10'-00" ~ 12 "
10'-01" AND OVER ~ 14 "

BANKING AND WIDENING CURVES

Begin to bank and widen curves 100' before reaching P.C. - Arrive at full bank and full widening at P.C.
Carry full bank and full widening from P.C. to P.T.
Reach normal section 100' beyond P.T.
Widen all curves greater than 5'-00'.

SECTION AREAS

ITEM	AREAS	NORMAL	WIDENED
		Sq. Ft.	Sq. Ft.
22A	3" Bituminous Macadam Surface Course	4.5	5.0
16	3" Broken Stone Base Course	4.5	5.0
12C	6" Sub-Base of Gravel	9.0	10.0

Surveyed by A.A. Doe July-Aug. 1927
Designed by H.E. Sargent
Drawn by L.T. Hayward Feb. 1928
Checked by K.W. Whitney Feb. 1928
Series No. 115A
Sheet 3 of 123 Sheets

WOOD GUARD RAIL REQUIRED

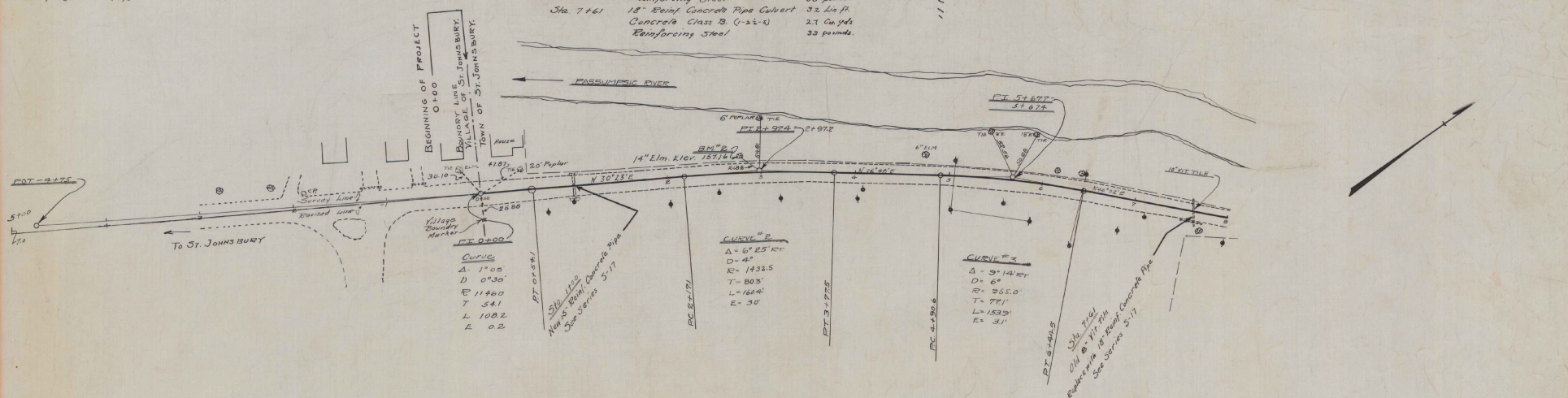
ON RIGHT
Sta. 0+88 to Sta. 1+12 Length 24 ft
7143 - 7173 24 -

CABLE GUARD RAIL REQUIRED

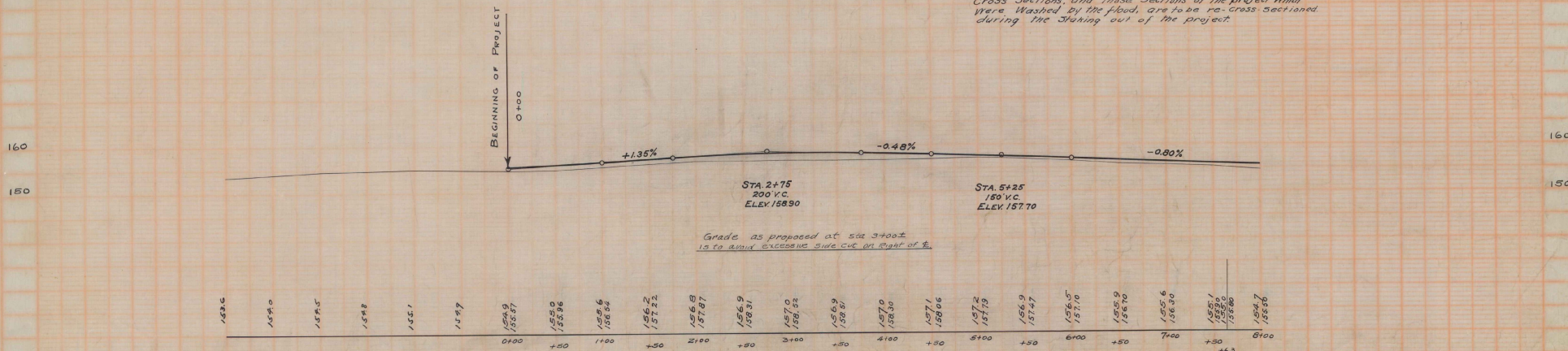
ON LEFT
Sta. 0+88 to Sta. 8+00 Length 712 ft

NEW CULVERTS REQUIRED

Sta. 1+00 - 18" Rein. Concrete Pipe Culvert 32 Lin. ft
Concrete Class B (1-25-4) 2.1 Cu. yds.
Reinforcing Steel 33 pounds.
Sta. 7+61 18" Rein. Concrete Pipe Culvert 32 Lin. ft
Concrete Class B (1-25-4) 2.7 Cu. yds.
Reinforcing Steel 33 pounds.



The Topography as shown on certain sheets may be in error in regard to conditions as they now are. Due to the flood of 1927.
The same conditions also exist in reference to cross sections, and those sections of the project which were washed by the flood, are to be re-cross sectioned during the starting out of the project.



BM 2 SPIKE IN PITH 16" Elm. 16' LT STA 2+79 ELEV 157.16

WOOD GUARD RAIL REQUIRED

Sta.	From Sta.	To Sta.	Length	Notes
10130	to Sta.	9+52	24 Lin. ft.	
10162	"	10+22	24 "	
11194	"	11+42	24 "	
22100	"	24+00	200	

CABLE GUARD RAIL REQUIRED

Sta.	From Sta.	To Sta.	Length	Notes
8+00	to Sta.	10+00	200 Lin. ft.	
11+22	"	24+00	1278	

NEW CULVERTS REQUIRED

Sta. 15+77 - 15' Rein. Concrete Pipe Culvert
Concrete Class B (1-2'-4)
Reinforcing Steel

40 Lin. ft.
2.7 Cu. yds.
33 pounds

THIS HOUSE AND BARN
WENT OUT IN FLOOD
OF NOV. 6, 1927

CULVERT REPAIRS REQUIRED

Sta. 2+30 444' Rein. Concrete Box
Construct New floor and extend Culvert 9 ft. on left
Class A Concrete (1-2'-4) 9 Cu. yds.
Reinforcing Steel 450 pounds

NEW CULVERTS REQUIRED

Sta. 11+56 15' Rein. Concrete Pipe Culvert 33 ft.
With Dross laid on Right
Concrete Class A (1-2'-4) 13 Cu. yds.
" B (1-2'-4) 11 Cu. yds.
Reinforcing Steel 120 lbs.

PI 16+593
16+593
Survey Δ=20°14'

REVISED CURVE

Δ=73°13'
D=3°30'
E=600.2
T=440.1
L=770.7
E=140.2

ITEM 60

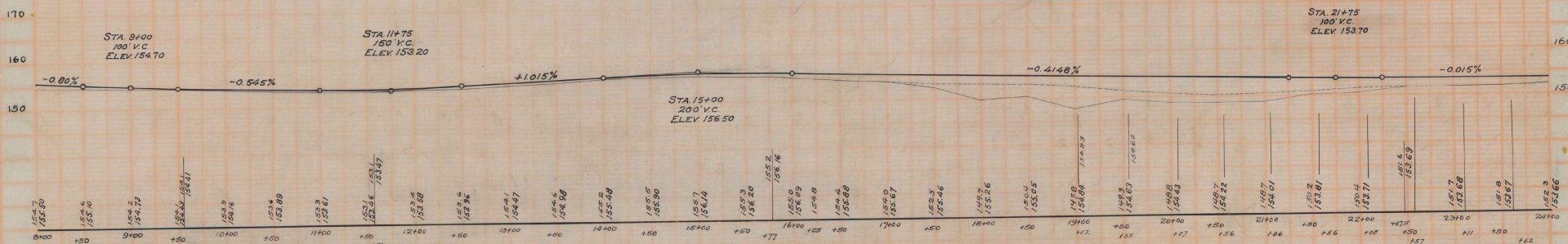
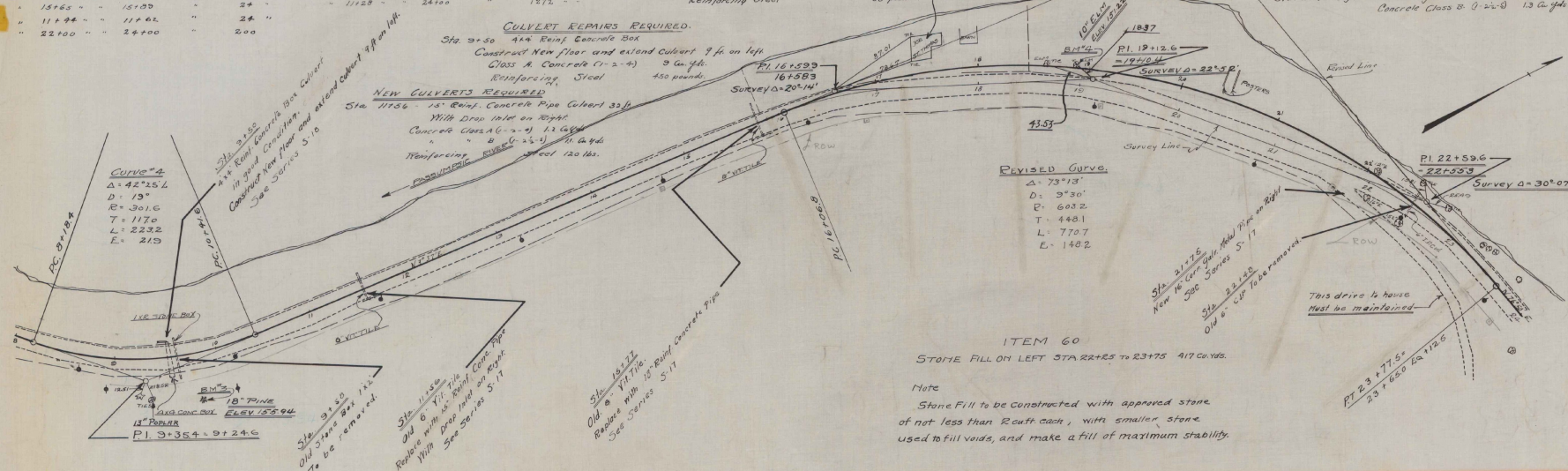
STONE FILL ON LEFT STA 22+25 TO 23+75 417 Cu. Yds.

Note

Stone Fill to be constructed with approved stone
of not less than Route each, with smaller stone
used to fill voids, and make a fill of maximum stability.

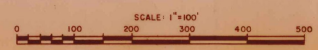
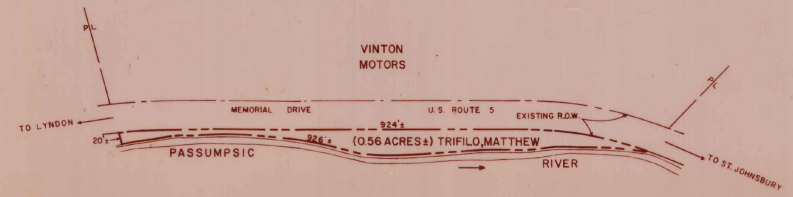
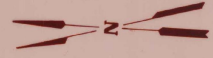
DRIVEWAY CULVERTS REQUIRED

Sta. 21+70 Right 16" Cor. Galv. Metal Pipe 30 Lin. ft.
Concrete Class B (1-2'-4) 13 Cu. yds.



B.M. 3 SPIKE IN ROOT 18" PINE 43 FT RT STA. 9+84 ELEV 155.94
B.M. 4 IN TRUNK 10" ELM LT " 18+96 ELEV 151.22

ACQUIRED BY W.D. FROM MATTHEW TRIFILO
DATED 5-10-79 IN ST. JOHNSBURY AND RECORDED
52279 IN BOOK 184, PAGES 475-476
SEE MAP BOOK 4, PAGE 22



REF. ST. JOHNSBURY-LYNDON F115A
SHEETS 7 & 8 OF 123
STATE OF VERMONT
AGENCY OF TRANSPORTATION
TOWN OF ST. JOHNSBURY
PROJECT MA 3952
APPROX. SCALE 1"=100' DATE 5-26-79 DRAWN BY
D. O'NEWMALL

FED. ROAD DIST. NO.	STATE	FED. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	VT.	113A	1920	7	123

WOOD GUARD RAIL REQUIRED

Sta. 31124 to Sta. 31150 Length 26 ft.
On Right

Sta. 24120 to Sta. 25103 Length 983 ft.
On Left

CABLE GUARD RAIL REQUIRED

Sta. 24120 to Sta. 25103 Length 983 ft.
On Left

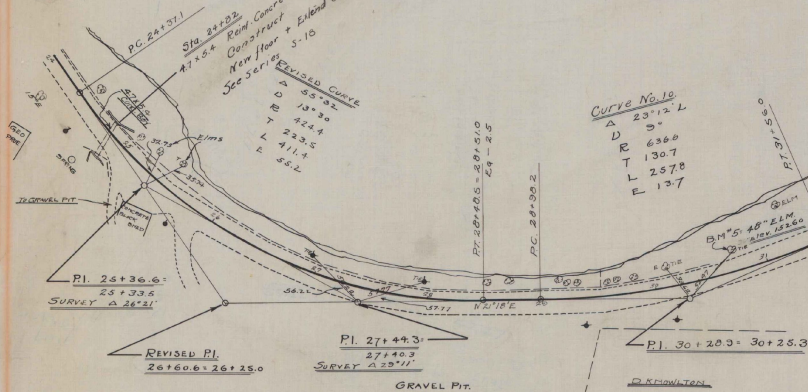
NEW CULVERTS REQUIRED

Sta. 31150 - 15' Rein. Concrete Pipe Culvert 44 ft.
Concrete Class B (1-2-3) 21 cu. yds.
Reinforcing Steel 43 lbs.

CULVERT REPAIRS REQUIRED

Sta. 24422 - 47' x 5' Rein. Concrete Box.
Construct New floor & Extend Culvert 8 ft. on left.
Concrete Class A (1-2-4) 9 cu. yds.
Reinforcing Steel 320 lbs.

Sta. 24120 to Sta. 25103
Rein. Concrete Box Culvert in good condition
Construct New floor & Extend Culvert 8 ft. on left.
See Series 5-10



Curve No. 11
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. 10
A 2317.2
D 9
R 626.0
T 130.7
L 257.8
E 127

Curve No. 9
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. 8
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. 7
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. 6
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. 5
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. 4
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. 3
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. 2
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. 1
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. 0
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -1
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -2
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -3
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -4
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -5
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D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -6
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D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -7
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -8
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -9
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -10
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -11
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -12
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D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -13
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -14
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D 2
R 2045.0
T 61.6
L 123.3
E 07

Curve No. -15
A 2216.0
D 2
R 2045.0
T 61.6
L 123.3
E 07

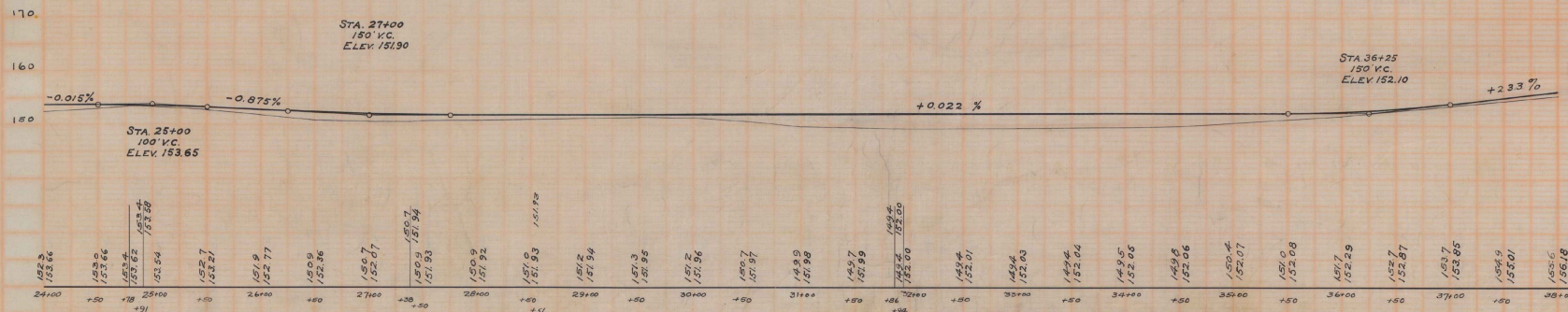
ITEM 60

STONE FILL ON LEFT STA. 27+25 TO 28+75 231 cu. yds.

Note:-

Stone Fill to be constructed with approved stone of not less than 2 cu ft. each, with smaller stone used to fill voids, and make a fill of maximum stability.

Normal High Water Elevation 151.00



B.M. SPIKE IN ROOT 48' ELM 17 FT. LEFT STA. 30+71 ELEV. 152.60

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	VT	1154	1926	6	123

WOOD GUARD RAIL REQUIRED

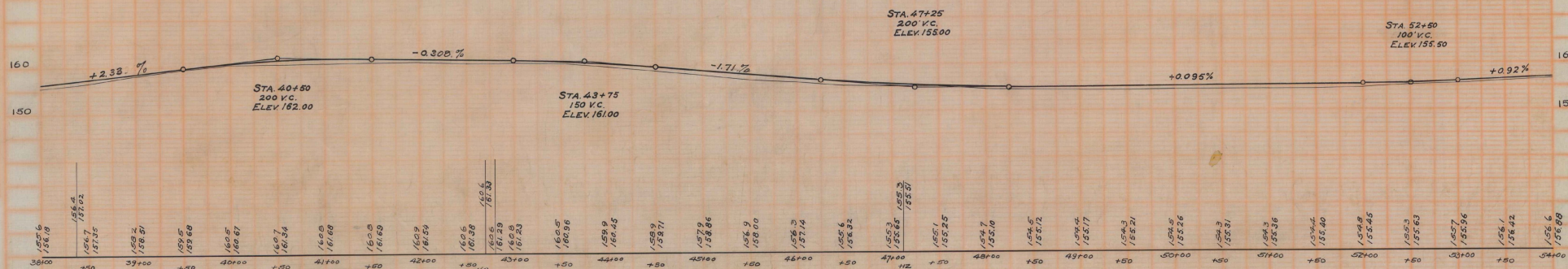
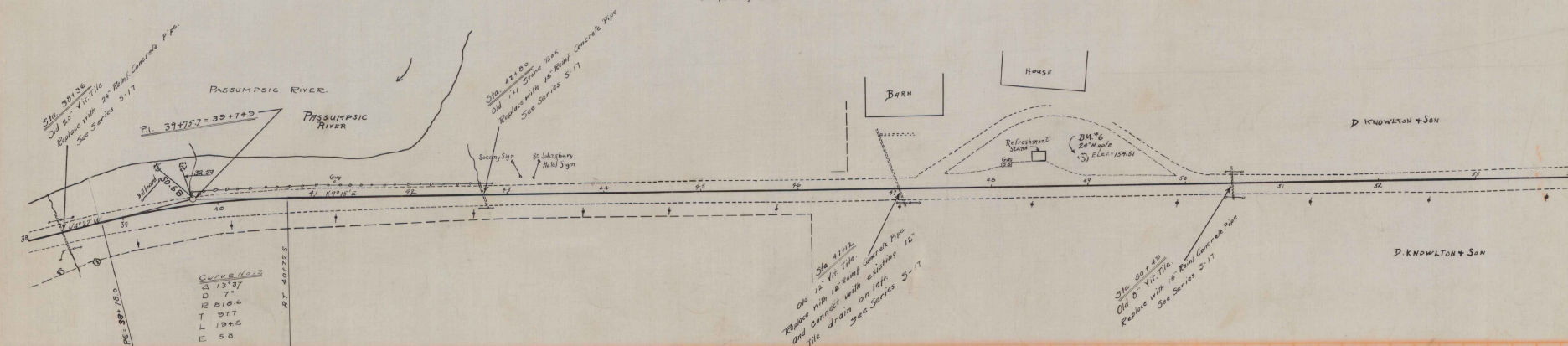
Sta.	38+24 to Sta. 38+50	Length	24 ft
"	42+00 - " 42+30	"	24 -
"	47+00 - " 47+30	"	24 -
"	50+30 - " 50+60	"	24 ft

CABLE GUARD RAIL REQUIRED

Sta.	38+50 to Sta. 38+54	Length	84 ft
"	39+50 - " 42+00	"	250 -
"	50+30 - " 51+70	"	140 -

NEW CULVERTS REQUIRED

Sta. 38+36 -	24" Rein. Concrete Pipe Culvert	48 Lin. ft
	Concrete Class A (1-2-4)	24 Cu. yds
	Reinforcing Steel	60 lbs.
Sta. 42+00 -	18" Rein. Concrete Pipe Culvert	30 Lin. ft
	Concrete Class B (1-2.5-5)	21 Cu. yds
	Reinforcing Steel	30 lbs.
Sta. 47+12 -	12" Rein. Concrete Pipe Culvert	30 Lin. ft
	Concrete Class B (1-2.5-5)	11 Cu. yds
	Reinforcing Steel	17 lbs.
Sta. 50+40 -	18" Rein. Concrete Pipe Culvert	30 Lin. ft
	Concrete Class B (1-2.5-5)	21 Cu. yds
	Reinforcing Steel	30 lbs.



B.M. SPIKE IN ROOT 24' MAPLE 25 FT. LT. STA 48+99 ELEV 154.51

SERIES F. N. 1154
SHEET 6 of 123

WOOD GUARD RAIL REQUIRED

Sta. 68+00 to 87+72 Length 20 Lin. ft.

ON RIGHT
Sta. 58+44 to 58+70 Length 24 Lin. ft.
" 57+19 to 60+12 " 24 -
" 63+71 to 63+25 " 24 -
" 68+00 to 68+72 " 24 -

CABLE GUARD RAIL REQUIRED

Sta. 57+00 to 66+64 Length 304 Lin. ft.

NEW CULVERTS REQUIRED

Sta. 56+58 - 15" Reinf. Concrete Pipe Culvert 40 Lin. ft.
Concrete Class B (1-2-3) 11 Cu. Yds.
Reinforcing Steel 12 lbs.
Sta. 60+00 - 15" Reinf. Concrete Pipe Culvert 44 Lin. ft.
Concrete Class B (1-2-3) 32 Lin. ft.
With Drop Inlet
Concrete Class A (1-2-4) 10 Cu. Yds.
Reinforcing Steel 11 lbs.
Sta. 60+00 - 15" Reinf. Conc. Pipe Culvert 32 Lin. ft.
Concrete Class B (1-2-3-4) 21 Cu. Yds.
Reinforcing Steel 33 lbs.

CULVERT REPAIRS REQUIRED

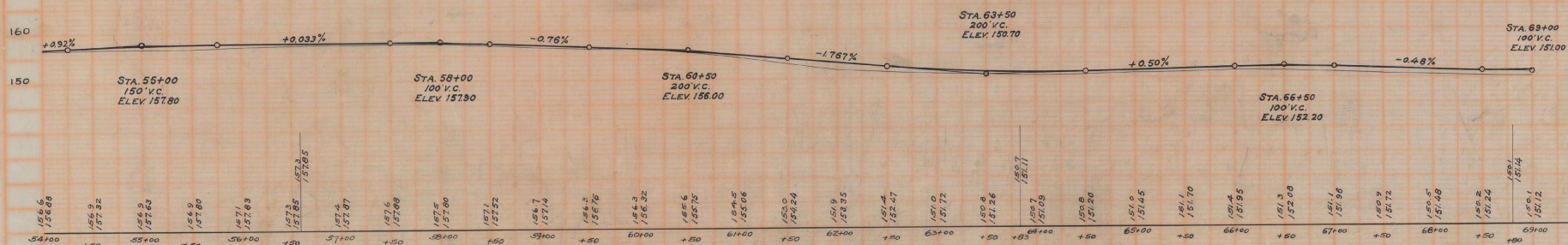
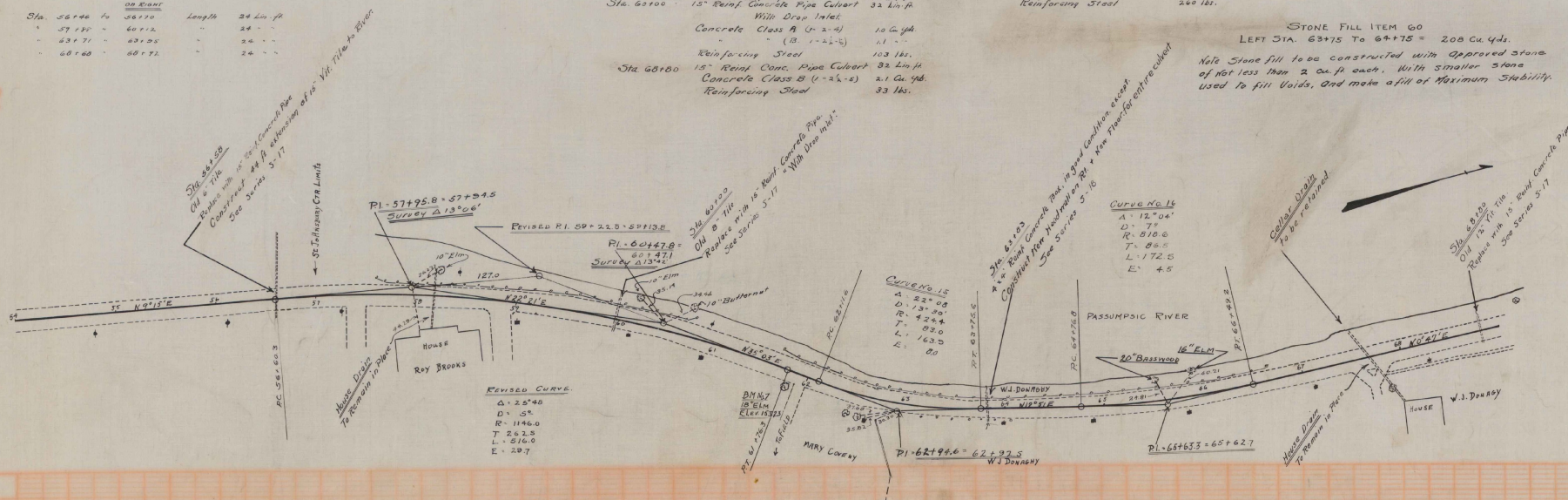
Sta. 63+23 - 4'x4' Reinf. Concrete Box
Construct New Roadway as Rt. + New Floor for entire culvert.
Concrete Class A (1-2-4) 12 Cu. Yds.
Reinforcing Steel 200 lbs.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VT.	115-A	1968	9	123

STONE FILL ITEM 60

LEFT STA. 63+75 TO 64+75 = 200 Cu. Yds.

Note Stone fill to be constructed with approved stone of not less than 2 cu. ft. each, with smaller stone used to fill voids, and make a fill of maximum stability.



WOOD GUARD RAIL REQUIRED

CABLE GUARD RAIL REQUIRED

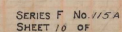
Sta. 77480 to Sta 81100 length 320 ft
To be carried to Bridge

NEW CULVERTS REQUIRED.

Sta. 71+16 - 15' Relief Concrete Pipe Culvert.	32 Linfs.
Concrete Class B. (1-2 1/2-5)	2.1 Cr. Yds.
Reinforcing Steel	33 lbs.

NEW BRIDGE REQUIRED.

Sta. 83+77 - 6' x 9' Reinf. Concrete Box Culvert
See Sheet No 42 for Details of Construction



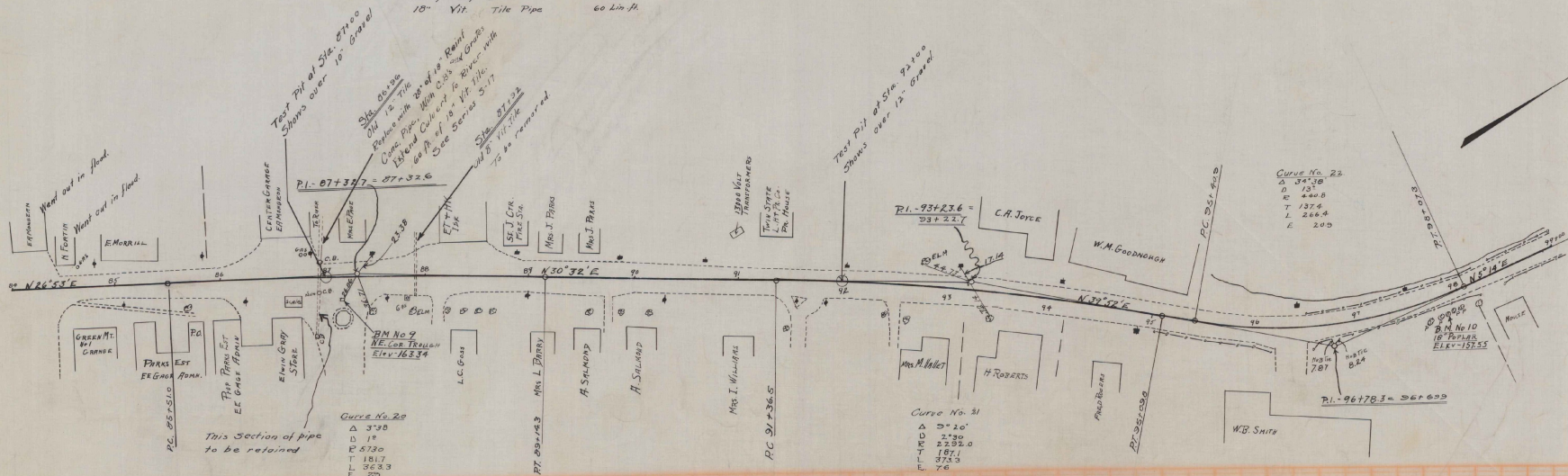
CABLE GUARD RAIL REQUIRED

Sta. 86+25 to Sta. 87+00 Length 75 ft

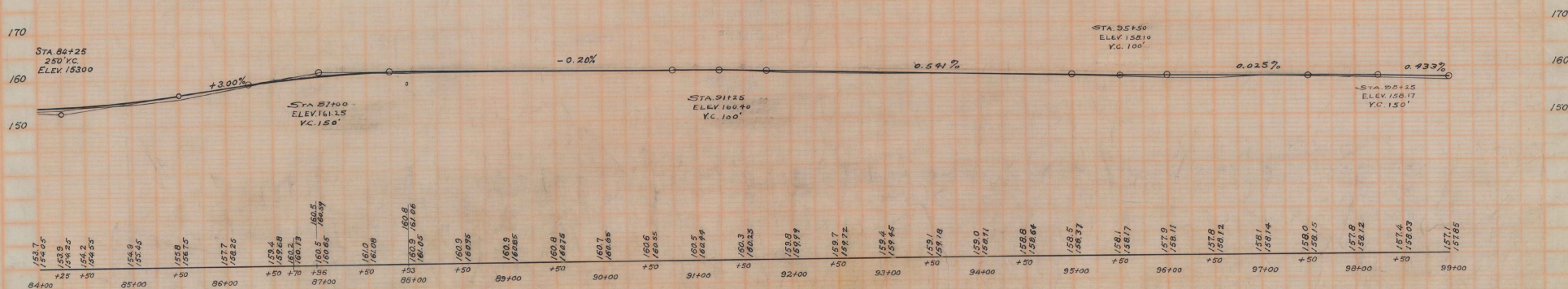
NEW CULVERTS REQUIRED

Sta. 86+25 12" Rein. Concrete Pipe Culvert 28 Lin. ft.
With 2 Grates & Catch Basins.
Concrete Class B (1-4-4)
Reinforcing Steel 160 lbs.
18" Vitr. Tile Pipe 60 Lin. ft.

DIST. NO.	STATE	FED. AID	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
113A	VT	1928	11	123	



Topography through St. Johnsbury Center as shown on House Sheet was taken before Flood of Nov. 1927.



B.M. 9 N.E. COR WATER TROUGH RT. STA. 87+17 ELEV. 163.34
B.M. 10 SPIKE IN ROOT 18" POPLAR RT. STA. 89+03 ELEV. 157.55

WOOD GUARD RAIL REQUIRED

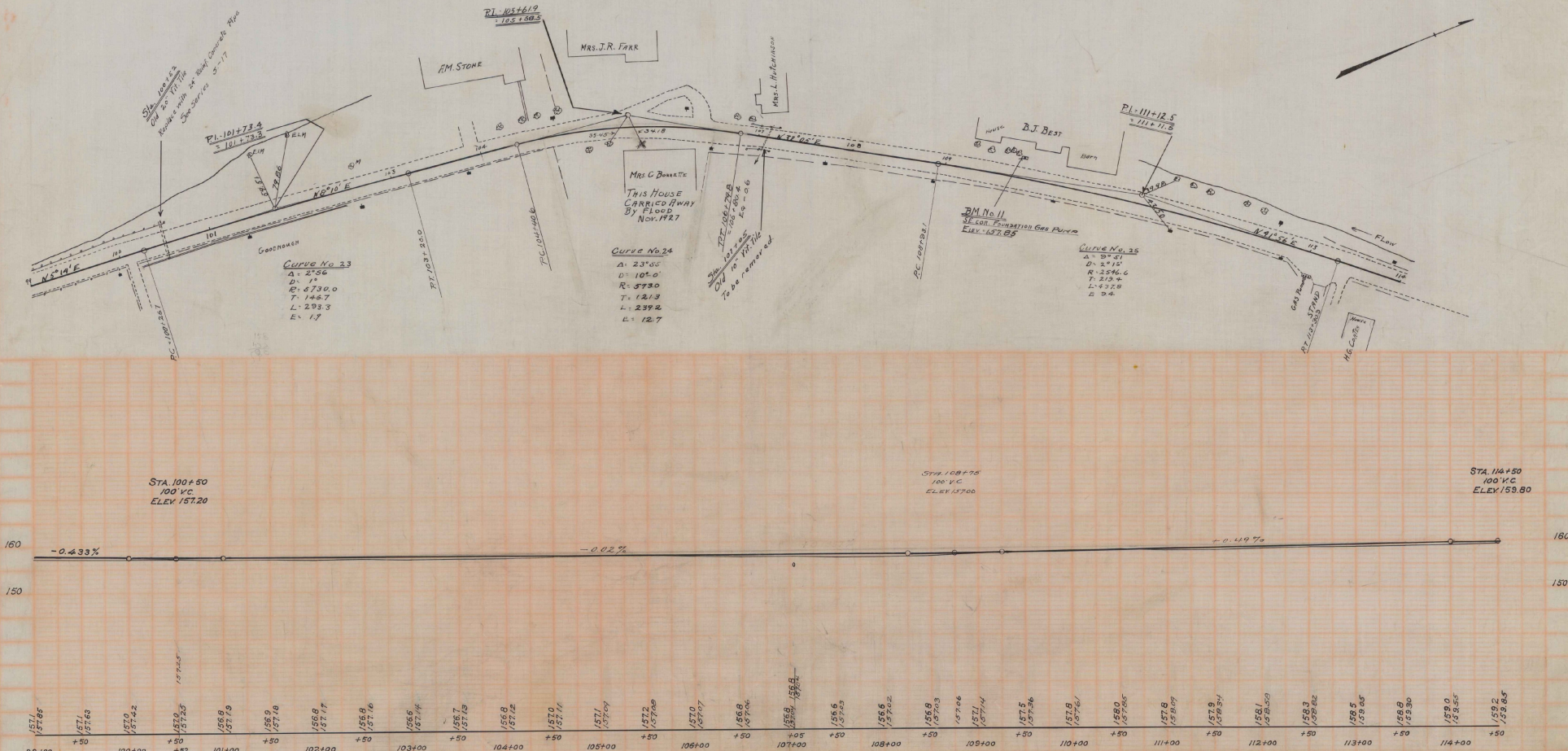
CABLE GUARD RAIL REQUIRED

NEW CULVERTS REQUIRED

Sta. 99+00 to Sta. 100+64 Length 164 Lm. ft.

Sta. 100+62 - 24" Rein. Concrete Pipe Culvert 40 Lm. ft.
Concrete Class A (1-2-4) 24 Lm. ft.
Reinforcing Steel 60 Lm.

FED. ROAD DIST. NO.	STATE	FED. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	1	115A	1928	12	125



BM 11 S.E. COR. GAS PUMP FOUNDATION LT. STA. 109+99 ELEV. 157.85

WOOD GUARD RAIL REQUIRED

Sta. 127+47 to Sta. 127+71 Length 24 Lin.ft

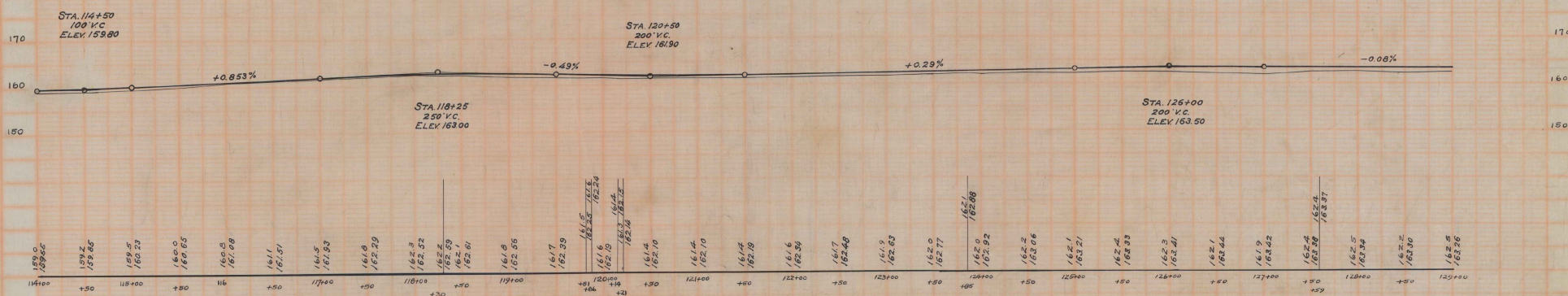
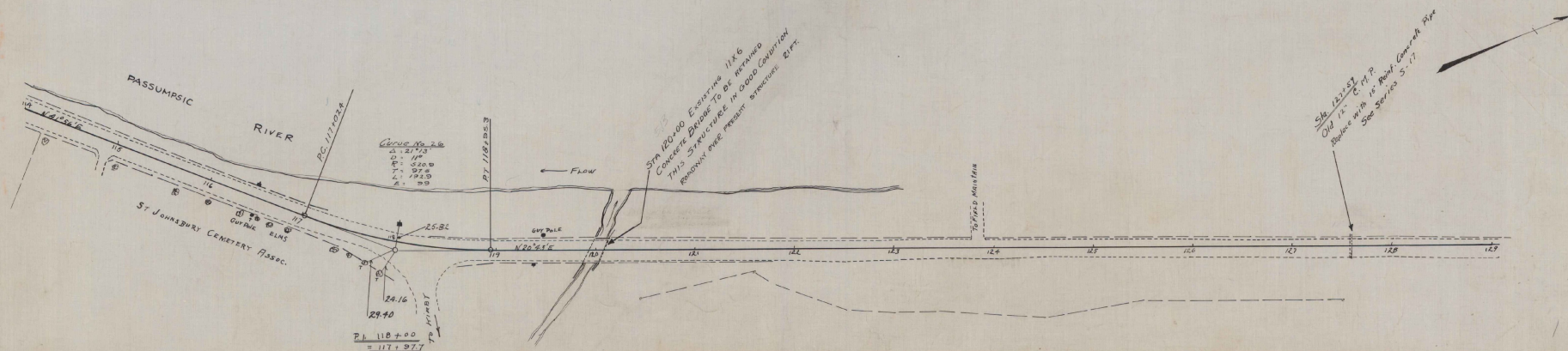
CABLE GUARD RAIL REQUIRED

Sta. 118+24 to Sta. 117+20 Length 356 Lin.ft
Sta. 123+57 to Sta. 121+59 Length 352 Lin.ft

NEW CULVERTS REQUIRED

Sta. 127+57-128" Rimp. Concrete Pipe Culvert 24 Lin.ft
Concrete Class B (4'-2 1/2") 21.4 yds
Reinforcing Steel 38 lbs.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	VT	115A	1923	13	128



WOOD GUARD RAIL REQUIRED

<u>ON LEFT</u>				
Sta.	130+74 to Sta.	130+14	Length	40 Lf.
"	140+71 - -	141+11	"	40 " "
<u>ON RIGHT</u>				
Sta.	129+39 to Sta.	130+58	Length	56 Lf.
"	133+09 - -	133+13		24 " "

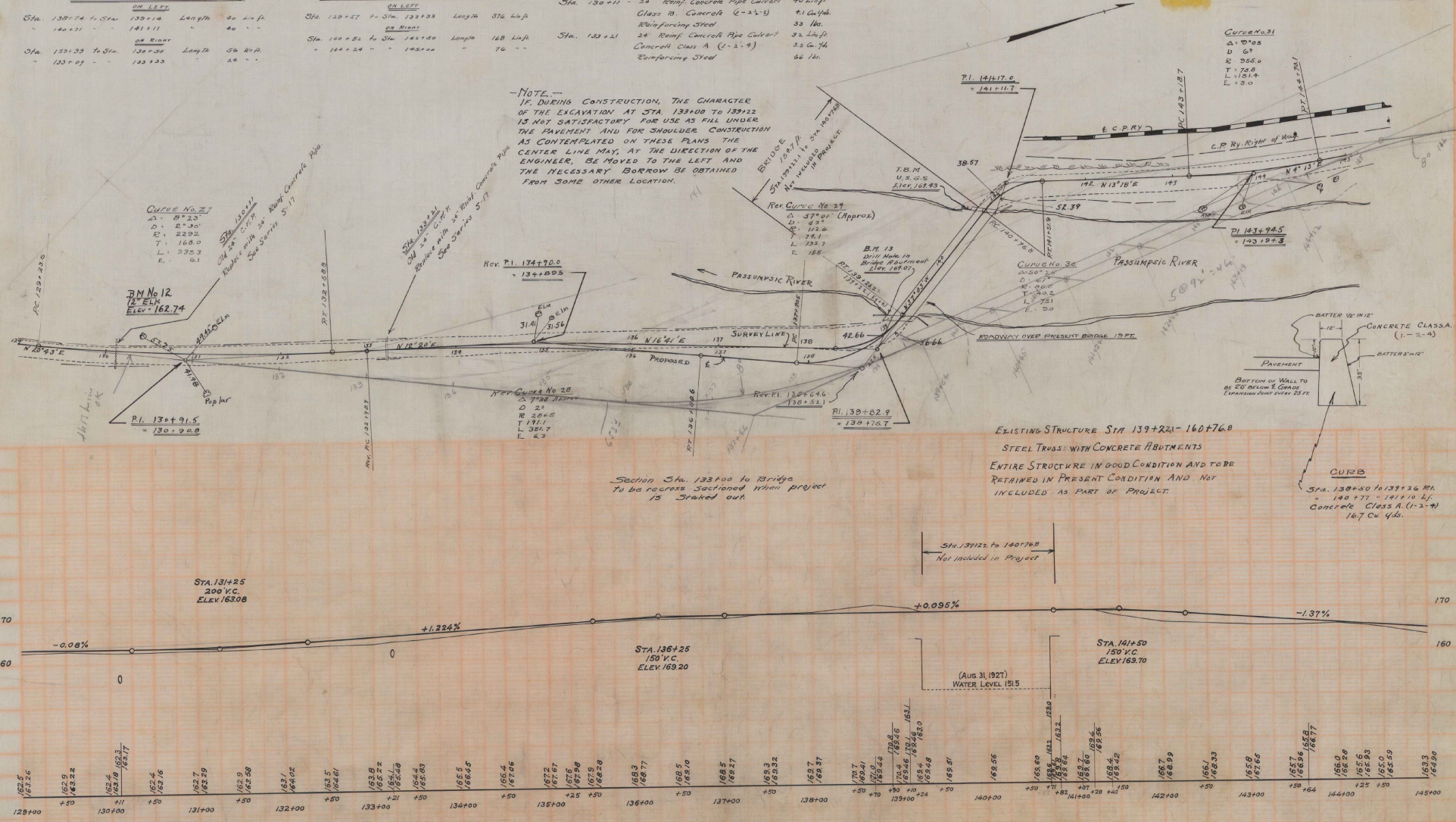
CABLE GUARD RAIL REQUIRED

Sta.	135+67 to Sta.	135+83	Length	16 Lf.
"	Sta.	135+83 to Sta.	135+84	1 Lf.
Sta.	135+84 to Sta.	135+84	Length	0 Lf.
"	Sta.	135+84 to Sta.	135+84	0 Lf.

NEW CULVERTS REQUIRED

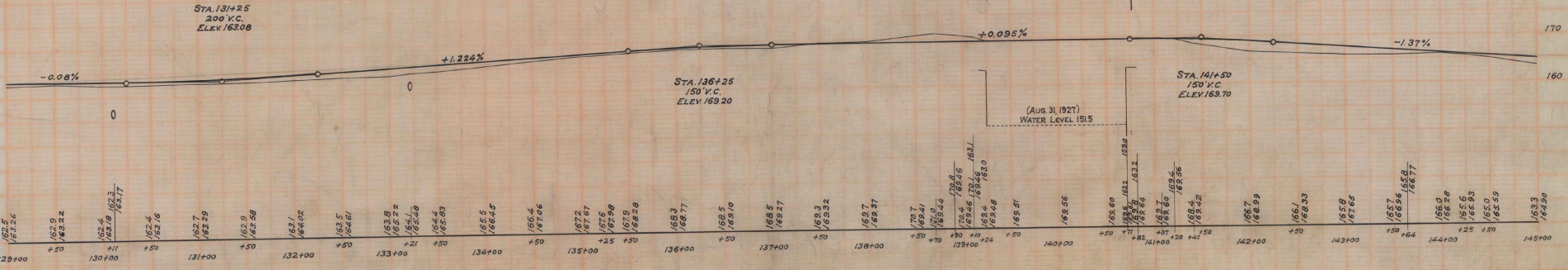
Sta.	130+11	24" Reinf. Concrete Pipe Culvert	40 Lf.
"	Sta.	130+11	41 Cu. Yds.
"	Sta.	130+11	33 Lbs.
"	Sta.	130+11	32 Lbs.
"	Sta.	130+11	35 Cu. Yds.
"	Sta.	130+11	66 Lbs.

-NOTE-
IF DURING CONSTRUCTION, THE CHARACTER OF THE EXCAVATION AT STA. 133+00 TO 133+22 IS NOT SATISFACTORY FOR USE AS FILL UNDER THE PAVEMENT AND FOR SHOULDER CONSTRUCTION AS CONTEMPLATED ON THESE PLANS THE CENTER LINE MAY, AT THE DISCRETION OF THE ENGINEER, BE MOVED TO THE LEFT AND THE NECESSARY BORROW BE OBTAINED FROM SOME OTHER LOCATION.



EXISTING STRUCTURE STA. 139+22-160+76.8
STEEL TRUSS WITH CONCRETE ABUTMENTS
ENTIRE STRUCTURE IN GOOD CONDITION AND TO BE
RETAINED IN PRESENT CONDITION AND NOT
INCLUDED AS PART OF PROJECT.

CURB
Sta. 130+50 to 139+26 RL
= 140+17.1 - 141+10.1 Lf.
Concrete Class A (1-2-4)
10.7 Cu. Yds.



B.M. 12 SPIKE IN TRUNK 12" ELM 17 Ft. Lf. STA. 130+42 ELEV. 162.74
B.M. 13 DRILL HOLE SW. COR. BRIDGE ABUTMENT ELEV. 169.07

LEFT

Sta. 146+07	to Sta. 146+31	Length	24 ft.
" 155+42	" " 155+66	"	24 "

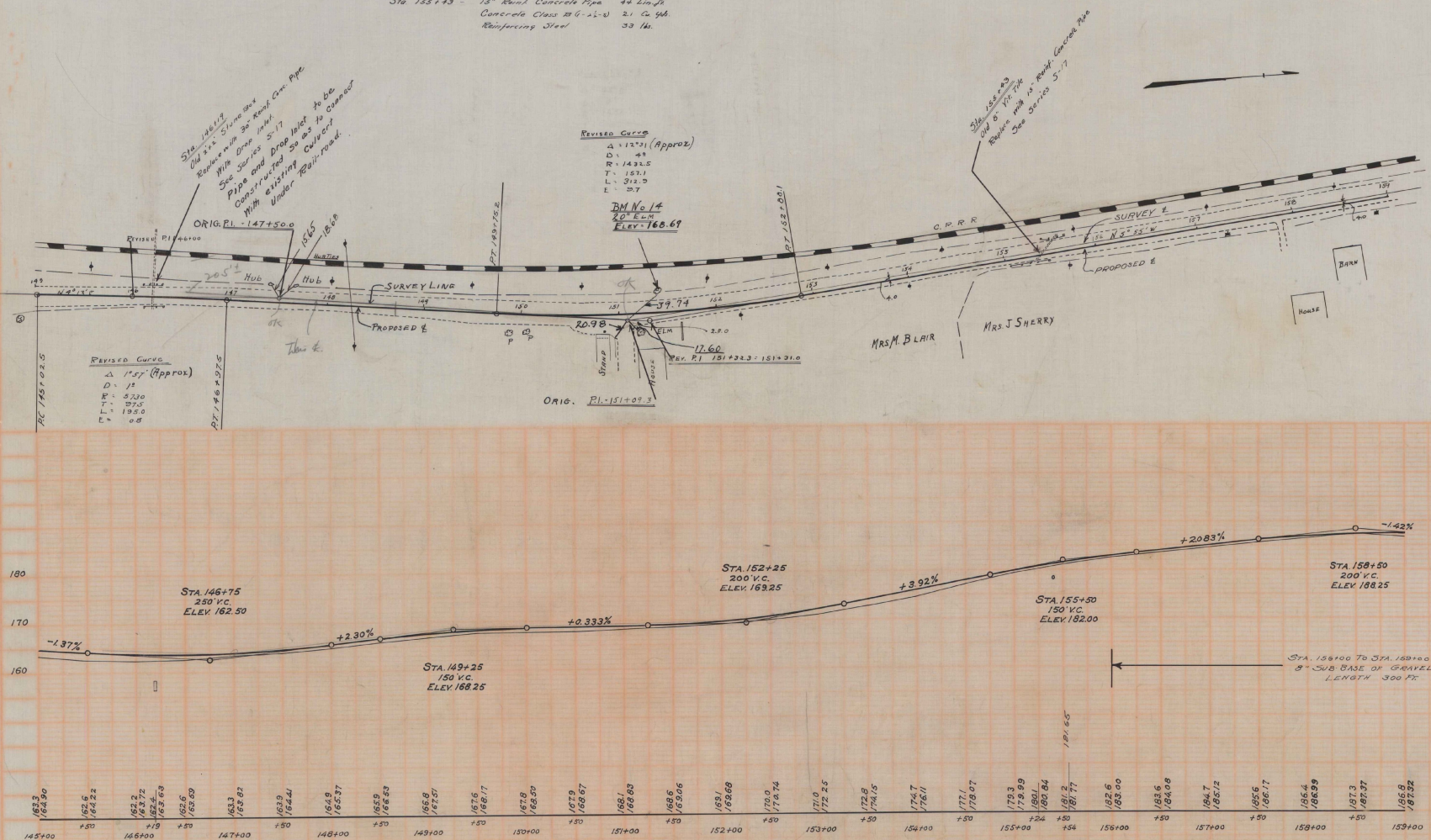
RIGHT

Sta. 155+12	to Sta. 155+36	Length	24 ft.
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Sta. 146+13 -	30" Rainf. Concrete Pipe	36 Lin. ft.
	With Drop Inlet	
	Concrete Class A (V-2-4)	1.5 Cu. yds
	" " B (V-2-4)	3.0 - -
	Reinforcing Steel	146 lbs.
Sta. 155+43 -	15" Rainf. Concrete Pipe	44 Lin. ft.
	Concrete Class B (V-2-4)	2.1 Cu. yds
	Reinforcing Steel	33 lbs.

ON RIGHT

Sta. 145+00 to Sta. 147+04 Length 204 Lin. ft.



B.M. 14. SPIKE IN ROOT 20" ELM 16 FT. LT. STA. 151+41 ELEV 168.69

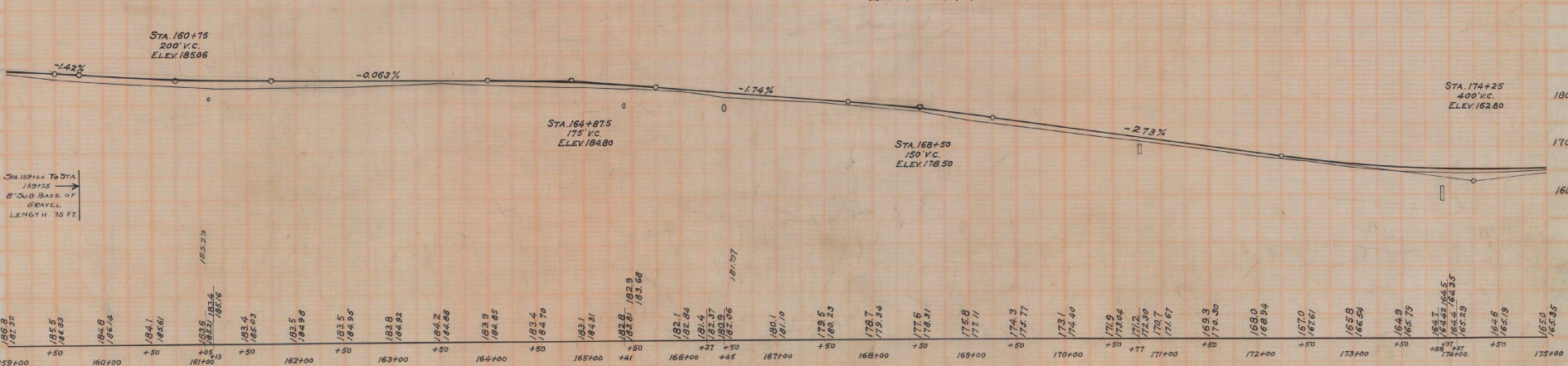
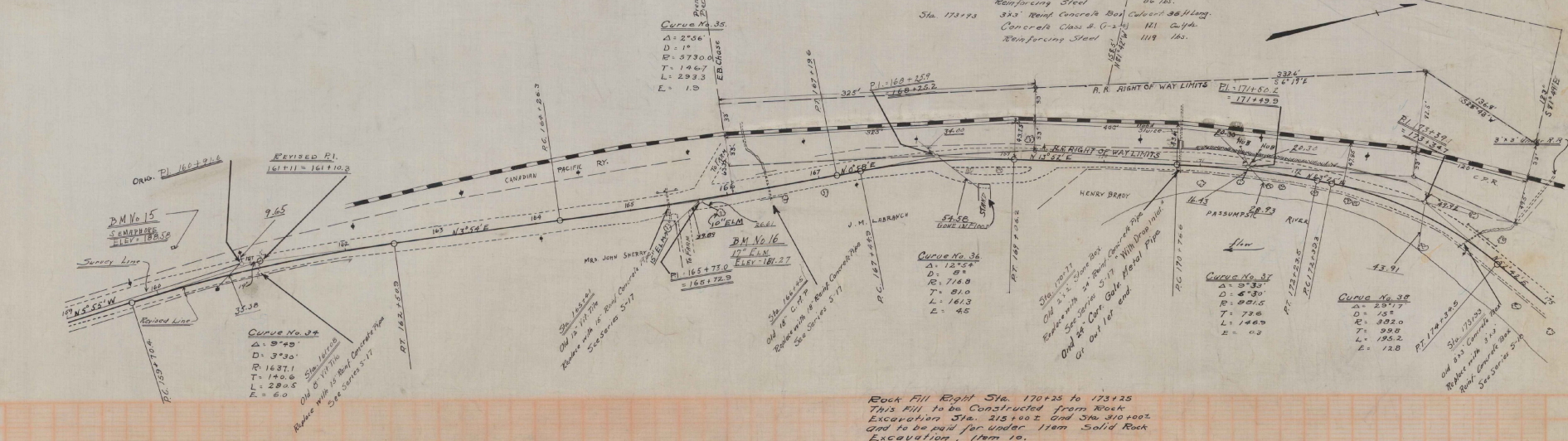
WOOD GUARD RAIL REQUIRED
 Sta. 160+75 to Sta. 161+20 Length 45 ft.
 Sta. 161+20 to Sta. 162+50 Length 30 ft.
 Sta. 162+50 to Sta. 164+00 Length 150 ft.
 Sta. 164+00 to Sta. 165+00 Length 100 ft.
 Sta. 165+00 to Sta. 166+00 Length 100 ft.
 Sta. 166+00 to Sta. 167+00 Length 100 ft.
 Sta. 167+00 to Sta. 168+00 Length 100 ft.
 Sta. 168+00 to Sta. 169+00 Length 100 ft.
 Sta. 169+00 to Sta. 170+00 Length 100 ft.
 Sta. 170+00 to Sta. 171+00 Length 100 ft.
 Sta. 171+00 to Sta. 172+00 Length 100 ft.
 Sta. 172+00 to Sta. 173+00 Length 100 ft.
 Sta. 173+00 to Sta. 174+00 Length 100 ft.
 Sta. 174+00 to Sta. 175+00 Length 100 ft.
 Sta. 175+00 to Sta. 176+00 Length 100 ft.
 Sta. 176+00 to Sta. 177+00 Length 100 ft.
 Sta. 177+00 to Sta. 178+00 Length 100 ft.
 Sta. 178+00 to Sta. 179+00 Length 100 ft.
 Sta. 179+00 to Sta. 180+00 Length 100 ft.

CABLE GUARD RAIL REQUIRED
 Sta. 160+75 to Sta. 161+20 Length 45 ft.
 Sta. 161+20 to Sta. 162+50 Length 30 ft.
 Sta. 162+50 to Sta. 164+00 Length 150 ft.
 Sta. 164+00 to Sta. 165+00 Length 100 ft.
 Sta. 165+00 to Sta. 166+00 Length 100 ft.
 Sta. 166+00 to Sta. 167+00 Length 100 ft.
 Sta. 167+00 to Sta. 168+00 Length 100 ft.
 Sta. 168+00 to Sta. 169+00 Length 100 ft.
 Sta. 169+00 to Sta. 170+00 Length 100 ft.
 Sta. 170+00 to Sta. 171+00 Length 100 ft.
 Sta. 171+00 to Sta. 172+00 Length 100 ft.
 Sta. 172+00 to Sta. 173+00 Length 100 ft.
 Sta. 173+00 to Sta. 174+00 Length 100 ft.
 Sta. 174+00 to Sta. 175+00 Length 100 ft.
 Sta. 175+00 to Sta. 176+00 Length 100 ft.
 Sta. 176+00 to Sta. 177+00 Length 100 ft.
 Sta. 177+00 to Sta. 178+00 Length 100 ft.
 Sta. 178+00 to Sta. 179+00 Length 100 ft.
 Sta. 179+00 to Sta. 180+00 Length 100 ft.

NEW CULVERTS REQUIRED
 Sta. 160+75 - 18" Reinforced Concrete Pipe 40 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 161+20 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 162+50 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 164+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 165+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 166+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 167+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 168+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 169+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 170+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 171+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 172+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 173+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 174+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 175+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 176+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 177+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 178+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 179+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 180+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.

NEW CULVERTS REQUIRED
 Sta. 160+75 - 18" Reinforced Concrete Pipe 40 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 161+20 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 162+50 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 164+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 165+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 166+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 167+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 168+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 169+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 170+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 171+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 172+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 173+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 174+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 175+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 176+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 177+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 178+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 179+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 180+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.

NEW CULVERTS REQUIRED
 Sta. 160+75 - 18" Reinforced Concrete Pipe 40 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 161+20 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 162+50 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 164+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 165+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 166+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 167+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 168+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 169+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 170+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 171+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 172+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 173+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 174+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 175+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 176+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 177+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 178+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 179+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.
 Sta. 180+00 - 18" Reinforced Concrete Pipe 30 ft.
 Concrete Class B (G-25-8) 2.12 cu yd.
 Reinforcing Steel 38 lbs.



B.M. 15 NE COR. FOUNDATION SIGNAL TOWER 648 LT. STA. 160+28 ELEV. 188.38
 B.M. 16 SPIKE IN ROOT 17' ELM. 16 FT. RT. STA. 165+95 ELEV. 181.27

PARCEL INSTRUMENT DATE GRANTOR GRANTEE RECORDED REMARKS
 A WDOE 10-13-43 EMMA B. GREENWOOD ST OF VT BOOK PAGE DATE
 ST JOHNSBURY 88 249 10-20-43

FILED	STATE	FILED	FILED	FILED	FILED
NO.	NO.	NO.	NO.	NO.	NO.
113A	113A	113A	113A	113A	113A

WOOD GUARD RAIL REQUIRED

ON LEFT
 Sta 176+54.4 Sta. 177+00 Length 24.2
 " 181+03 " 181+137 " 24.2
 " 188+00 " 188+24 " 24.2

CABLE GUARD RAIL REQUIRED

ON RIGHT
 Sta. 175+50 to Sta. 175+72 Length 22.2
 " 184+40 " 184+24 " 78.4

NEW CULVERTS REQUIRED

Sta. 176+75 - 15" Rein. Concrete Pipe 34.2
 Concrete Class B (1-2-3) 21 Cu. Yd.
 Reinforcing Steel 24 lbs.
 Sta. 181+45 - 36" Rein. Concrete Box Culvert 81.4
 Concrete Class A (1-2-3) 26.2 Cu. Yd.
 Reinforcing Steel 178 lbs.
 Sta. 188+100 - 36" Rein. Concrete Pipe Length 48.5
 Concrete Class A (1-2-3) 4.3 Cu. Yd.
 Reinforcing Steel 66 lbs.

CURVE No. 23

A = 13.57
 D = 67.30
 R = 881.5
 T = 104.0
 L = 206.3
 E = 6.1

CURVE No. 18

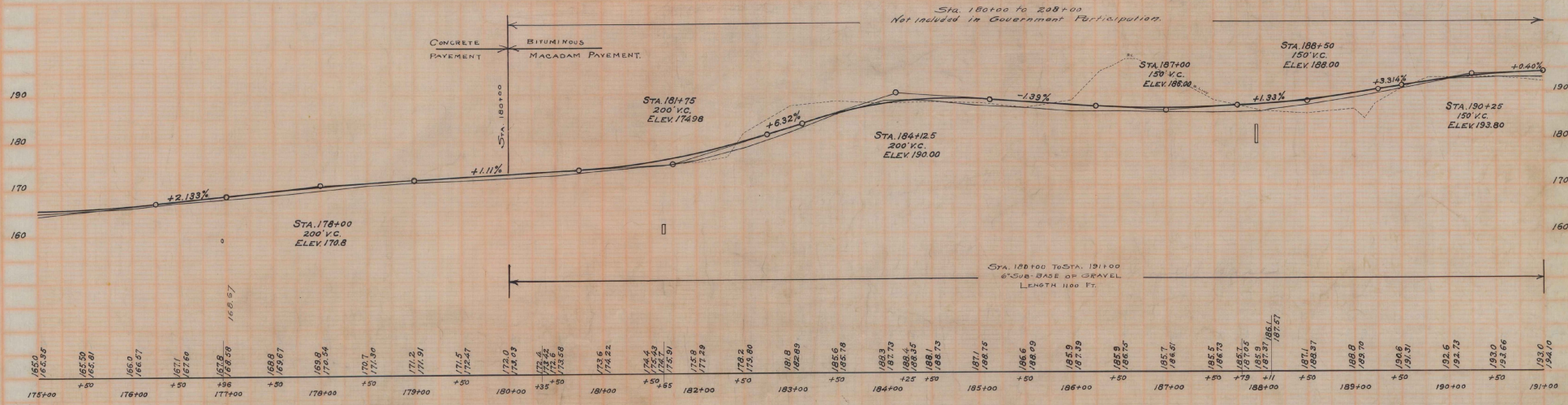
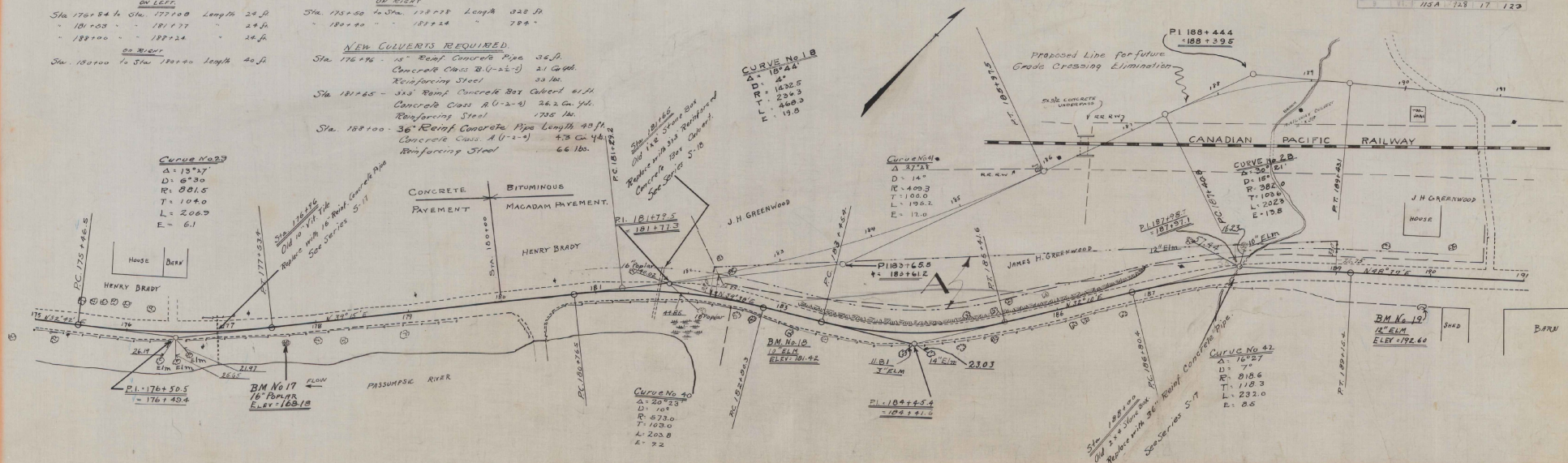
A = 18.44
 D = 42.5
 R = 234.3
 T = 246.3
 L = 19.8
 E = 19.8

CURVE No. 28

A = 16.51
 D = 16.51
 R = 382.0
 T = 109.0
 L = 202.3
 E = 15.8

CURVE No. 42

A = 16.27
 D = 7.1
 R = 818.6
 T = 118.3
 L = 232.0
 E = 8.8



B.M. 17 SPIKE IN ROOT 16" POPLAR 15' RT STA 177+65 ELEV. 168.18
 B.M. 18 SPIKE IN BASE 10' ELM RT STA 183+13 ELEV. 181.42
 B.M. 19 SPIKE IN ROOT 12' ELM RT STA 187+95 ELEV. 192.60

WOOD GUARD RAIL REQUIRED

Sta. 196+36 to Sta. 196+60 Length 24 ft.
 Sta. 204+72 to Sta. 204+76 Length 24 ft.
 Sta. 196+80 to Sta. 196+80 Length 24 ft.
 Sta. 204+72 to Sta. 204+72 Length 40 ft.

CABLE GUARD RAIL REQUIRED

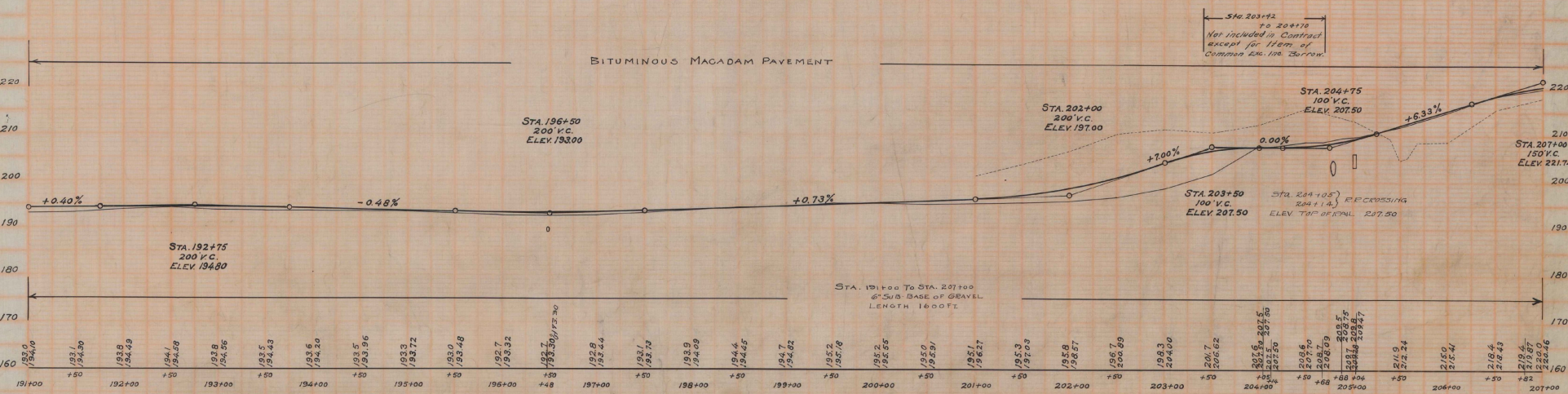
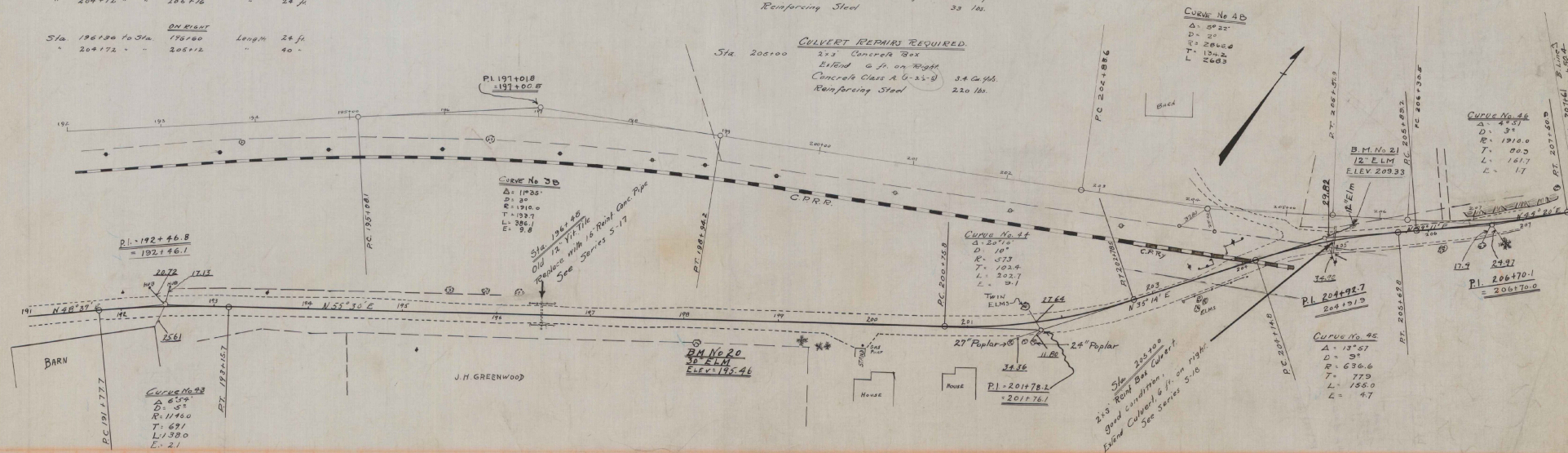
Sta. 201+76 to Sta. 203+76 Length 200 ft.

NEW CULVERTS REQUIRED

Sta. 196+48 - 16" Rein. Concrete Pipe Culvert 36 lin. ft.
 Concrete Class B (1-2-5) 2.1 cu. yd.
 Reinforcing Steel 33 lbs.

CULVERT REPAIRS REQUIRED

Sta. 208+00 2x3 Concrete Box
 24' long 2 ft. on right
 Concrete Class A (1-2-5) 2.4 cu. yd.
 Reinforcing Steel 220 lbs.



B.M. 20 SPIKE IN ROOT 30' ELM. AT STA. 198+15 ELEV. 195.46
 B.M. 21 SPIKE IN TRUNK 12' ELM. 13 FT. LT. STA. 205+21 ELEV. 209.33

WOOD GUARD RAIL REQUIRED

STATION 209+98 to STA. 210+22 Length 24 ft.
 " 210+22 " 211+12 " 24 "

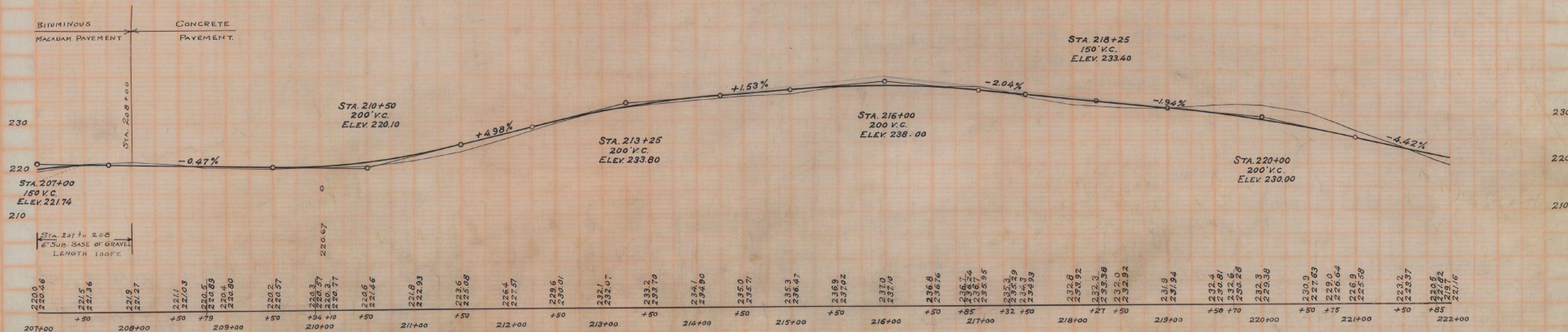
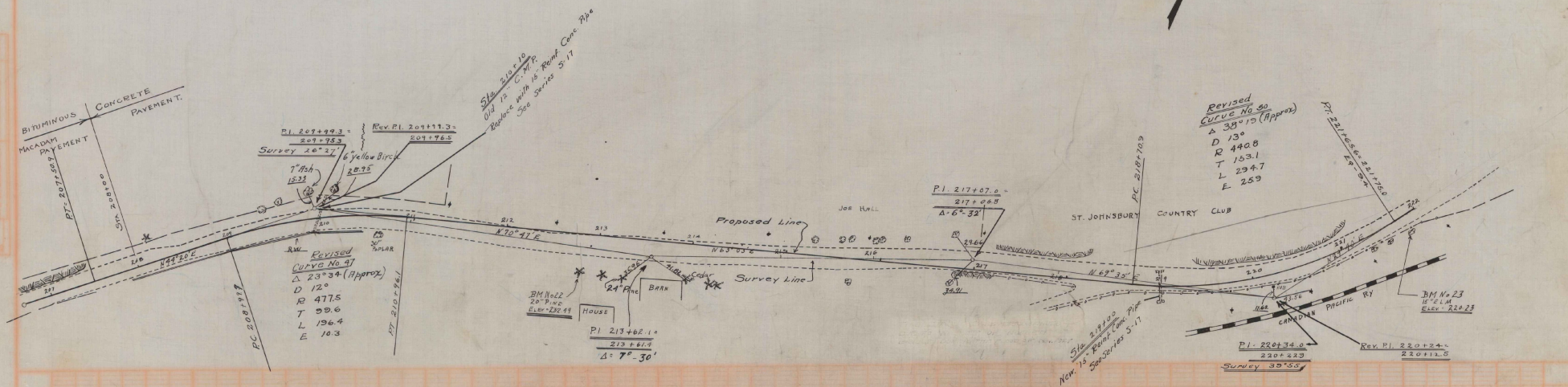
CABLE GUARD RAIL REQUIRED

ON RIGHT
 STA. 217+88 to STA. 217+90 Length 352 ft.
 " 217+92 " 222+20 " 488 "

NEW CULVERTS REQUIRED

Sta. 210+10 15" Reinforced Concrete Pipe Culvert 40 ft.
 Concrete Class B (V-25-S) 21 Gals.
 Reinforcing Steel 33 lbs.
 Sta. 219+00 15" Reinforced Concrete Pipe Culvert 40 ft.
 Concrete Class B (V-25-S) 21 Gals.
 Reinforcing Steel 33 lbs.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
		115A	1928	19	123



BM 22 SPIKE IN ROOT 10" PINE 27 FT. RT. STA. 213+00 ELEV. 232.49
 BM 23 SPIKE IN TRUNK 15" ELM 17 FT. RT. STA. 221+85 ELEV. 220.23

WOOD GUARD RAIL REQUIRED

ON LEFT
Sta. 225+71 to Sta. 225+95 Length 24 ft

ON RIGHT
Sta. 225+71 to Sta. 225+95 Length 24 ft

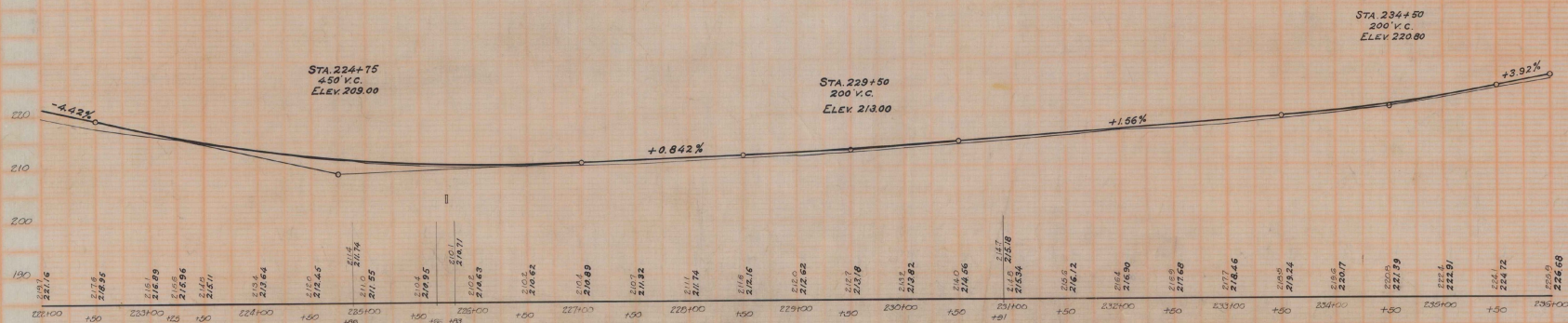
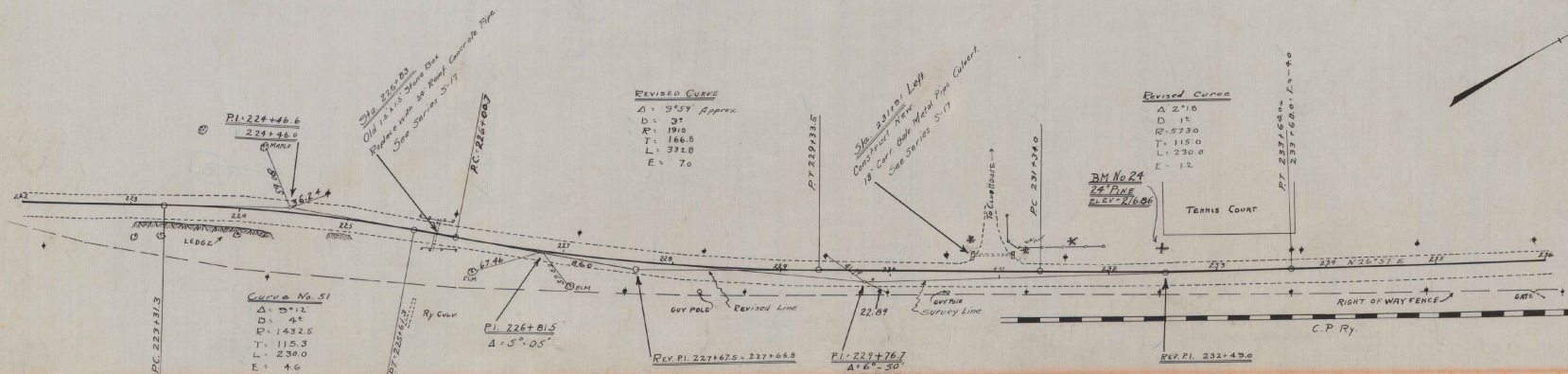
NEW CULVERTS REQUIRED

Sta. 225+83 - 24" Reinforced Concrete Pipe Culvert 40 ft
Concrete Class B-(1-2 1/2") 41 Cu yds
Reinforcing Steel 33 lb.

DRIVEWAY CULVERTS REQUIRED

Sta. 231+01 to 231+01 18" Reinforced Metal Pipe 36 ft
Concrete Class B-(1-2 1/2") 1.6 Cu yds

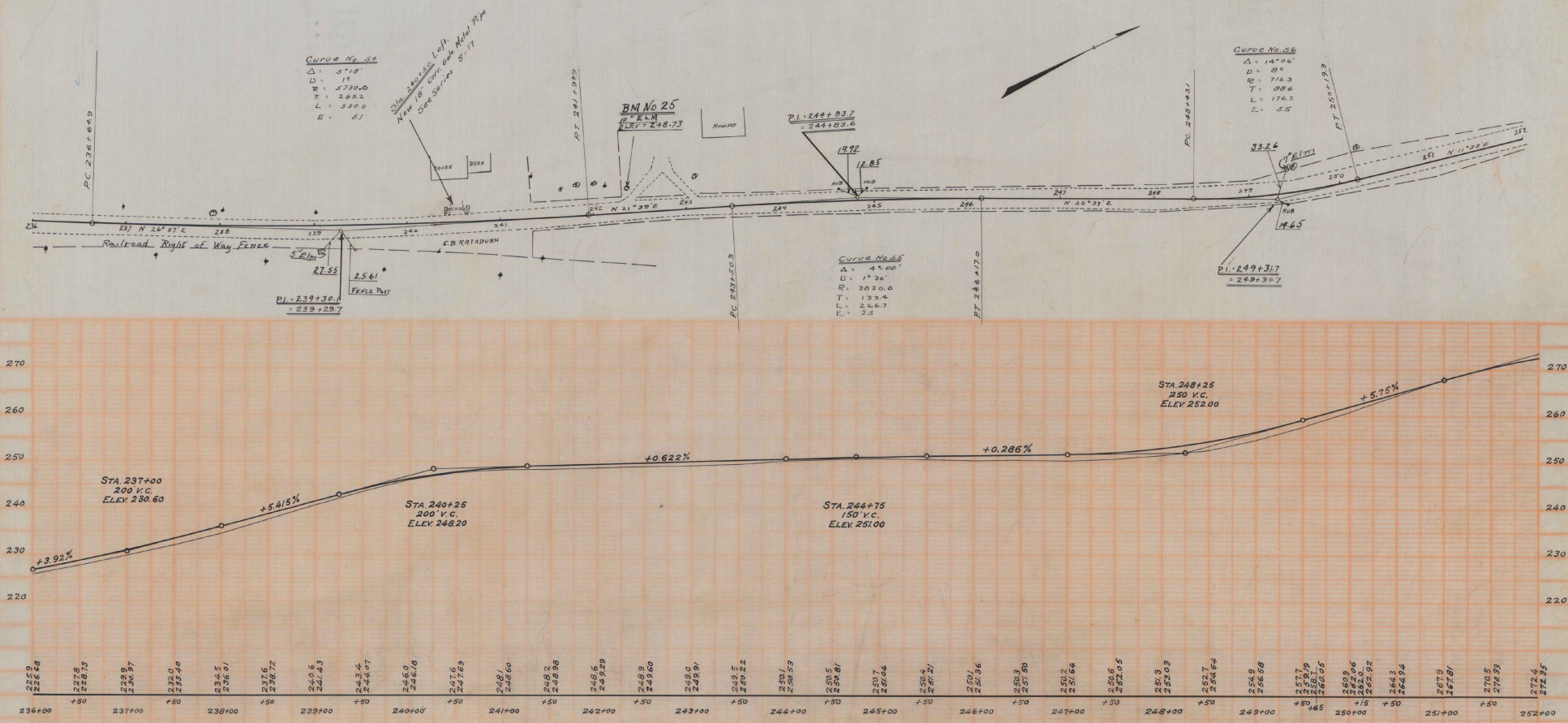
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	VT.	1154	1928	20	123



B.M. No. 24. Spike in Rest of 24" Pipe, Right of Sta. 227+99 Elev. 216.06

DRIVEWAY CULVERTS REQUIRED
Sta 240+50 Lf 18" Corr. Gals. Metal Pipe Culvert 24 ft
Concrete Class B (1-1/2") 1.6 cu yds

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	VA	115A	1928	21	123



B.M. No. 25 Spine in front of 10" Elm. Left of Sta. 241+57 Elev. 248.73

ON LEFT

Sta. 265+58 to Sta. 265+82 Length 24 ft

ON RIGHT
Sta. 265+15 to Sta. 268+75 Length 360 ft

Sta.	265+70	- 27'	Reinf. Concrete Pipe Culvert, 32 ft.	
			With Drop Inlet	
			Concrete Class A (4-2'-4)	1.0 CuYd.
			" " " B (1-2'-4)	2.1 " "
			Reinforcing Steel	103 lbs.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	115A	1928	22	137



B.M. No. 26	Spike in trunk of 14" Elm.	Right of Sta.	254+54	Elev.	273.95
B.M. No. 27	Spike in trunk of 16" Elm.	Right of Sta.	262+61	Elev.	260.25

CABLE GUARD RAIL REQUIRED

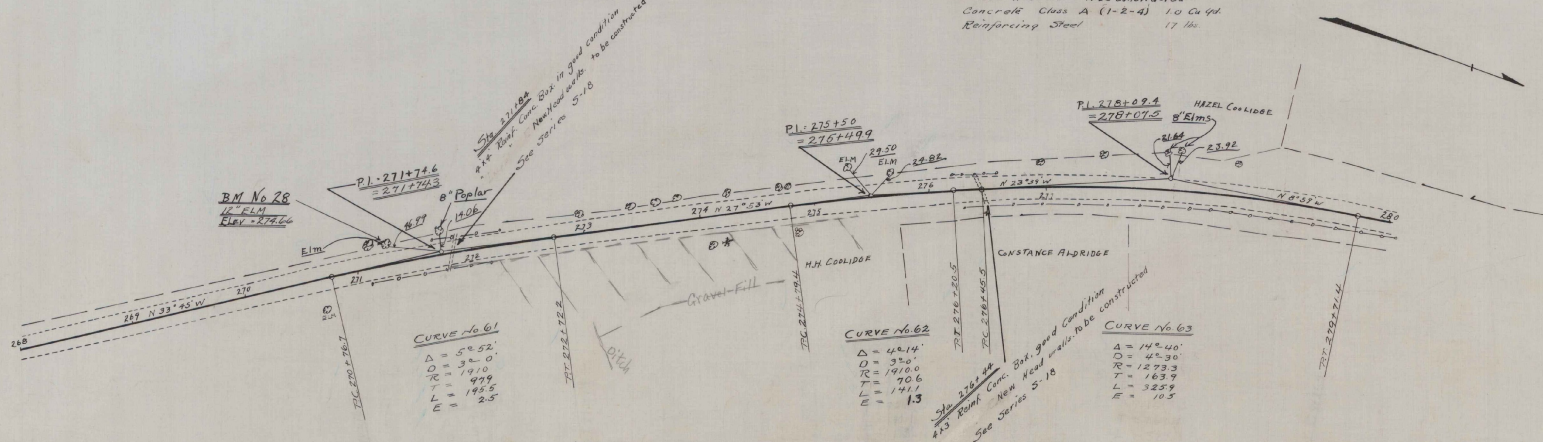
ON LEFT
Sta. 271+76 to 272+00 Length 100 ft
272+00 to 274+00 " 100 ft
ON RIGHT
Sta. 270+00 to 272+22 Length 156 ft
272+22 to 274+00 " 362 ft

See Station 5715
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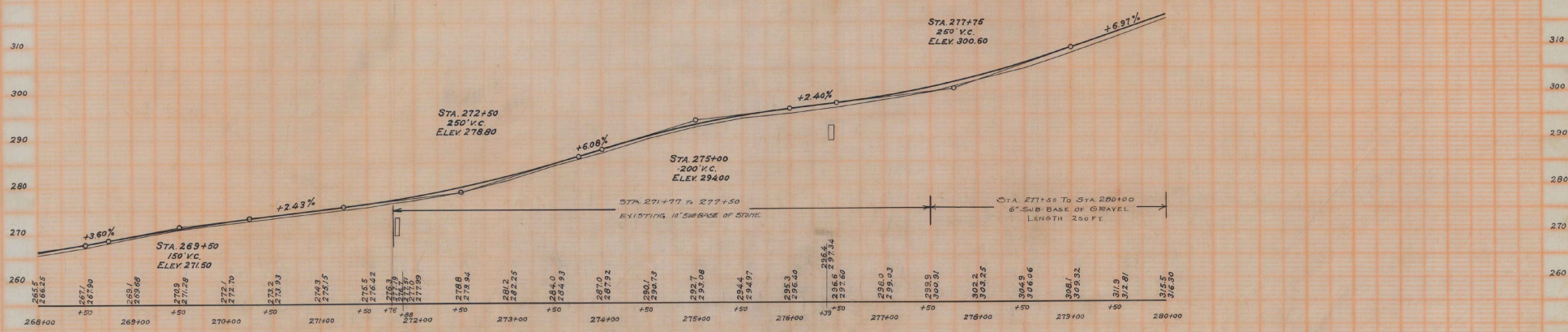
CULVERT REPAIRS REQUIRED

Sta. 271+00 4x4 Concrete Box in good condition
New Head walls to be constructed
Concrete Class A (1-2-4) 10 Cu yd
Reinforcing Steel 17 lbs
Sta. 276+00 4x3 Concrete Box in good condition
New Head walls to be constructed
Concrete Class A (1-2-4) 10 Cu yd
Reinforcing Steel 17 lbs

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	V	1154	1948	23	123



Note: 46' of 6" drain @ Sta. 204+50 ± North of RR X at Sta. 204+10



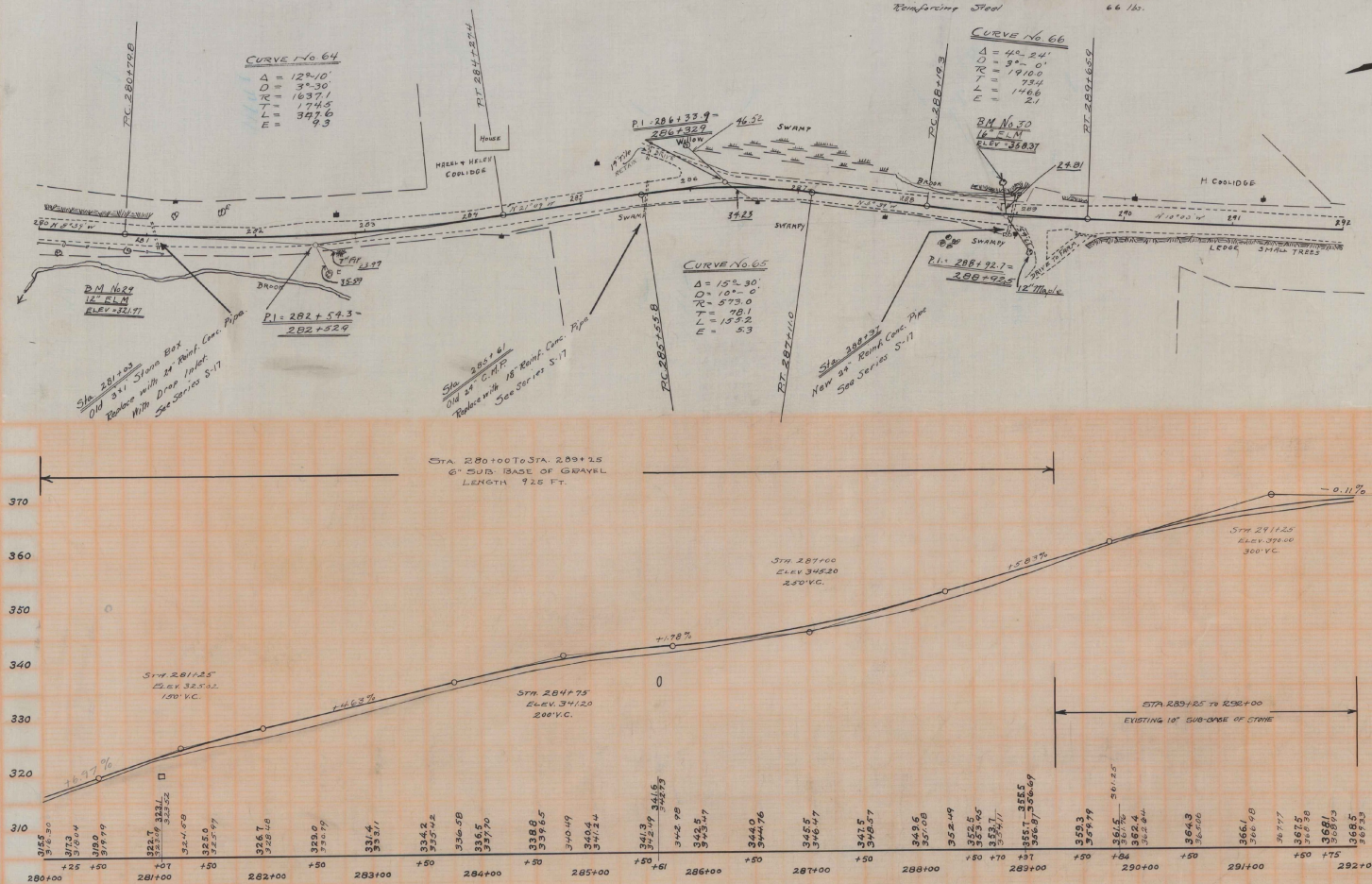
B.M. No. 24 Spike in Root of 12" Elm. Left of Sta. 271+28 Elev. 278.66

ON LEFT			
Sta.	285+26 to	285+30	Length 64 ft.
"	280+95 "	281+19	" 24 "

<u>on LEFT</u>				
Sta	286+00	to	289+20	Length 320 ft
<u>ON RIGHT</u>				
Sta	288+00	to	292+06	Length 206 ft
"	289+17	"	289+26	" 50 ft

Sta. 231+00	24" Round Concrete Pipe Culvert With Drop Inlet Concrete Class A (1-2-3) 8'-1-2 1/2'-5)	35 ft 10 Gph. 16
Sta. 285+61	Reinforcing Steel 18" Round Concrete Pipe Culvert Concrete Class A (1-2-3) Reinforcing Steel	100 ft 7 ft 32 ft 32 ft
Sta. 288+27	24" Round Concrete Pipe Culvert Concrete Class A (1-2-3) Reinforcing Steel	35 ft 2.6 Cgph. 6 ft 10

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	115A	1928	24	123



B.M. No. 29	Spike in trunk of 12" Elm, Right of Sta.	280 + 82	Elev.	321.57
B.M. No. 30	" " foot " 16" " Left " "	288 + 86	"	358.37

ON LEFT

Sta. 31516 to Sta 316104	Length	80 ft.
" 323172 - " 323196	-	24 "

<u>ON RIGHT</u>					
Sta	312+04	To Sta.	312+20	Length	24 ft.
"	314+13	"	314+37	"	24 ft
"	315+44	"	315+68	"	24 ft.

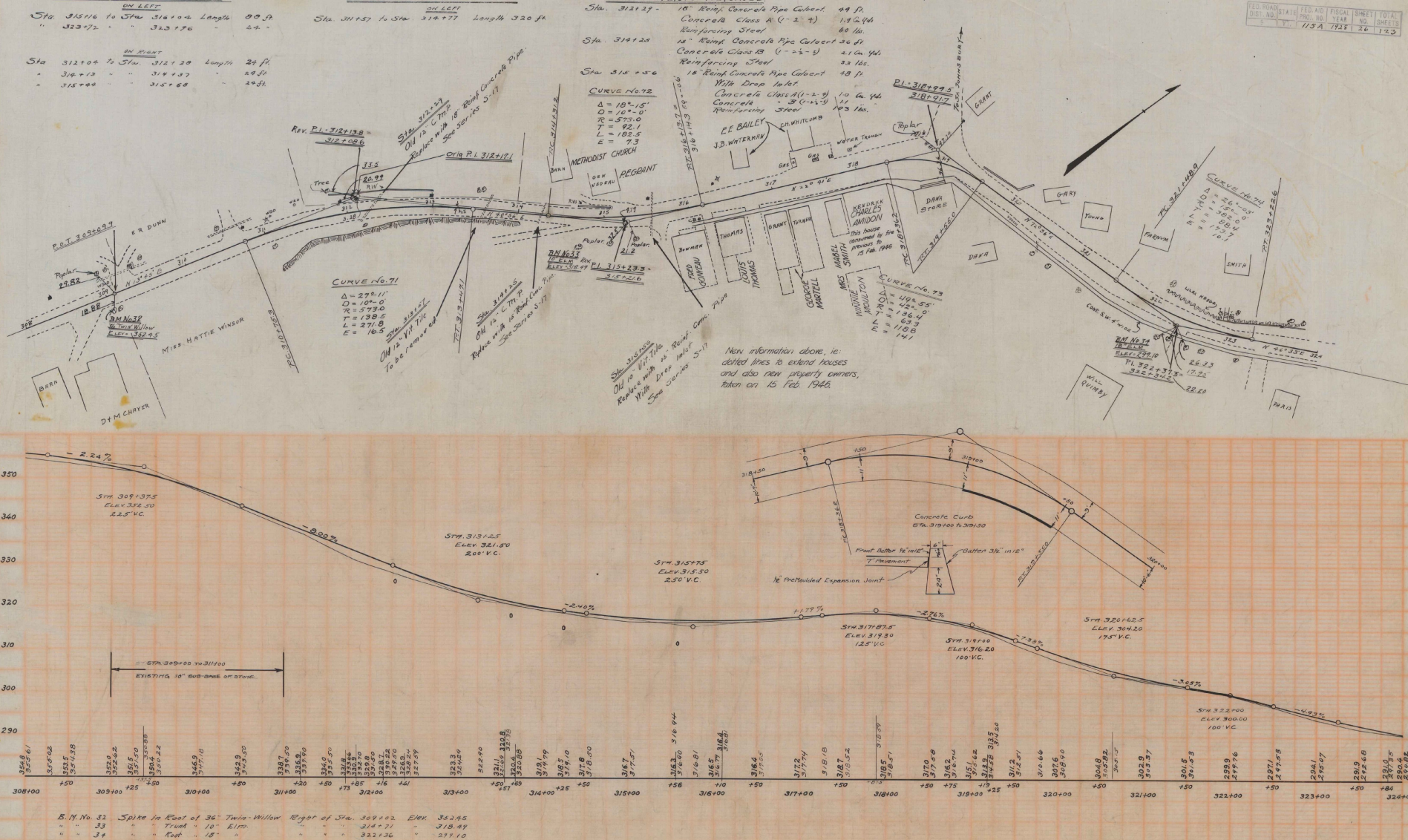
ON LEFT

Sta. 311+57 to Sta. 314+77 Length 320 ft

Sta. 312+29	16" Reinforced Pipe Culvert	44 ft.
	Concrete Class A (1-2-4)	1.9 cu yds.
	Reinforcing Steel	60 lbs.
Sta. 314+28	18" Reinforced Pipe Culvert	36 ft.
	Concrete Class B (1-2½-2)	2.1 cu yds.
	Reinforcing Steel	33 lbs.
Sta. 315+56	18" Reinforced Pipe Culvert	48 ft.

CURVE No. 72

$\Delta = 18^{\circ}-15'$
 $D = 10^{\circ}-0'$
 $R = 573.0$
 $T = 92.1$
 $L = 182.5$
 $E = 7.3$

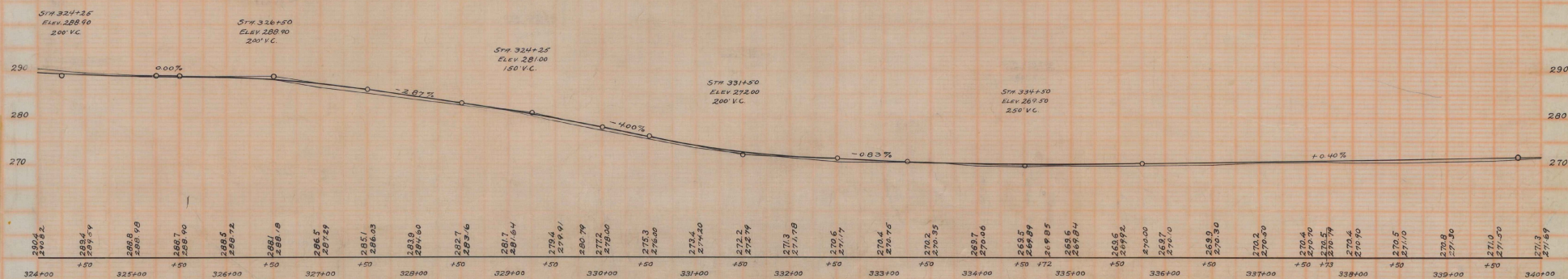
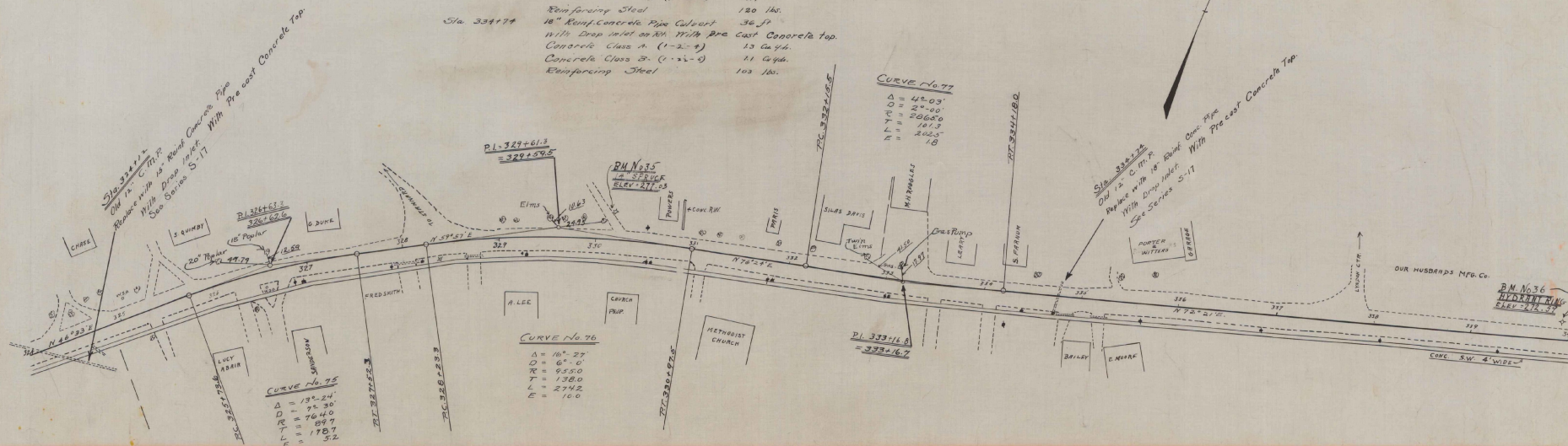


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VI.	115A	1923	27	123

NEW CULVERTS REQUIRED

Sta. 324+12 15" Rein. Concrete Pipe Culvert 100 ft.
With Drop Inlet at Sidewalk With pre cast Concrete top.
Concrete Class A (1-2-4) 13 cu. yds.
" " " (1-2-4) 2.1 cu. yds.
Reinforcing Steel 120 lbs.

Sta. 334+74 18" Rein. Concrete Pipe Culvert 36 ft.
With Drop Inlet on NW. With pre Cast Concrete top.
Concrete Class A (1-2-4) 13 cu. yds.
Concrete Class B (1-2-4) 1.1 cu. yds.
Reinforcing Steel 103 lbs.



B. M. No. 36 Spike in Root of 1st Spruce, left of Sta. 330+10 Elev. 272.03
 " " " 36 Hydrant Ring, left of Sta. 333+91 Elev. 272.57

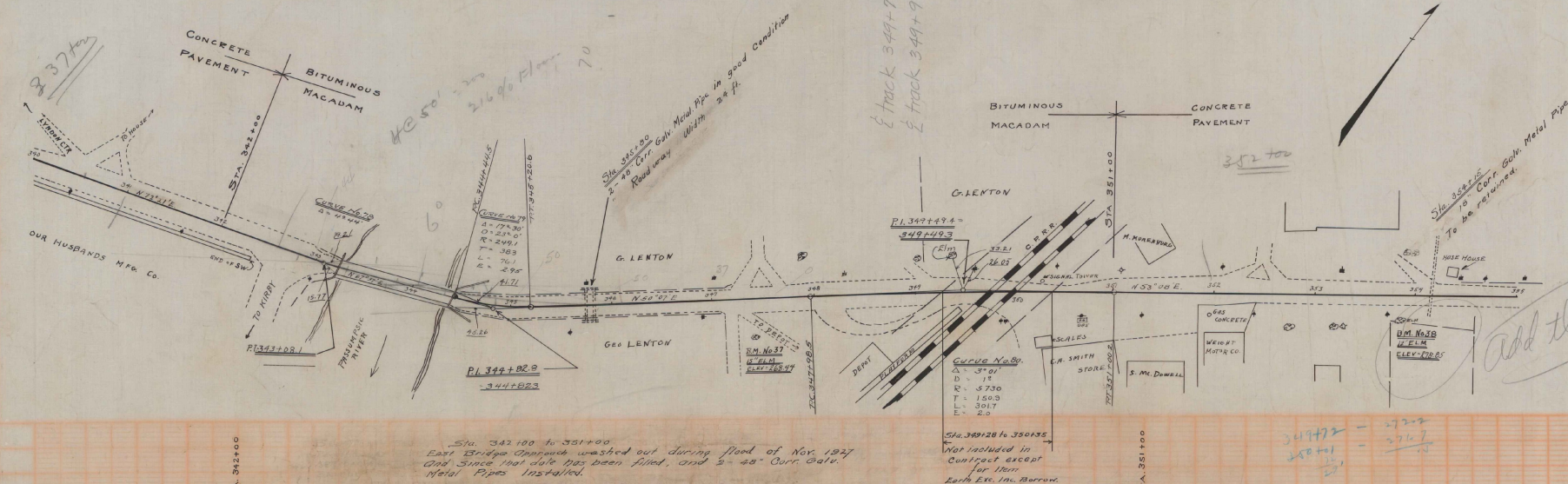
CABLE GUARD RAIL REQUIRED

ON LEFT

Sta 344+42	to Sta. 347+22	Length	280 ft.
1	355+00	2	46 ft.

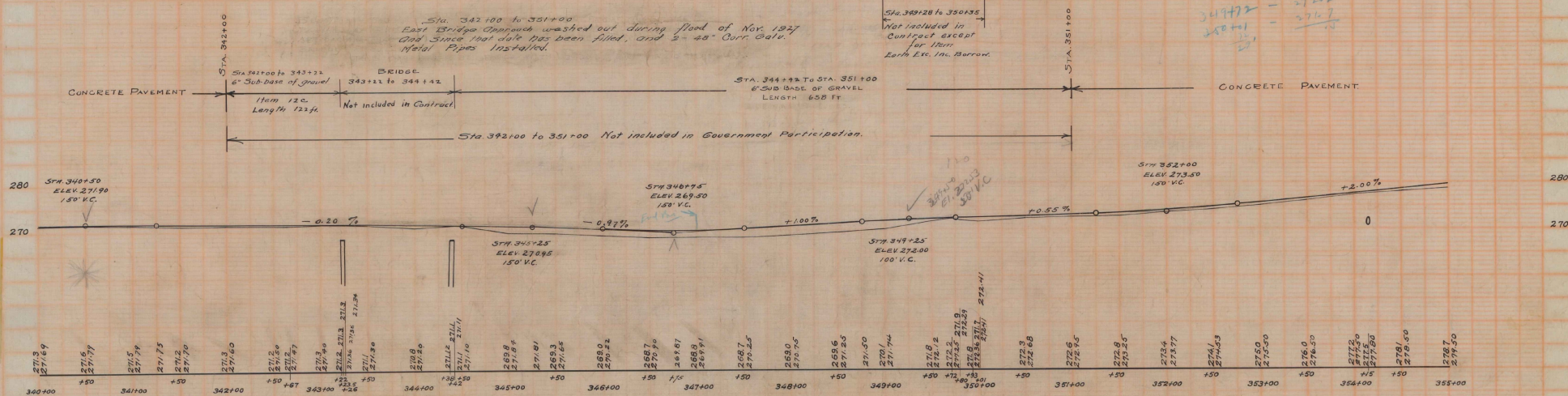
ON RIGHT

Sta. 3441+2 to Sta. 3471+14 Length 272 ft.



Sta. 342+00 to 351+00
East Bridge Approach washed out during flood of Nov. 1927
and since that date has been filled, and 2 - 48" Corr. Galv.
Metal Pipes installed.

Sta. 349+28 to 350+35
Not included in
Contract except
for Item
Earth Exc. Inc. Borrow



B.M. No. 37	Spike in Root	15" Elm.	Right of Sta.	347+40	Elev.	268.44
" " 38	" " "	12" "	" " "	353+82	"	278.85

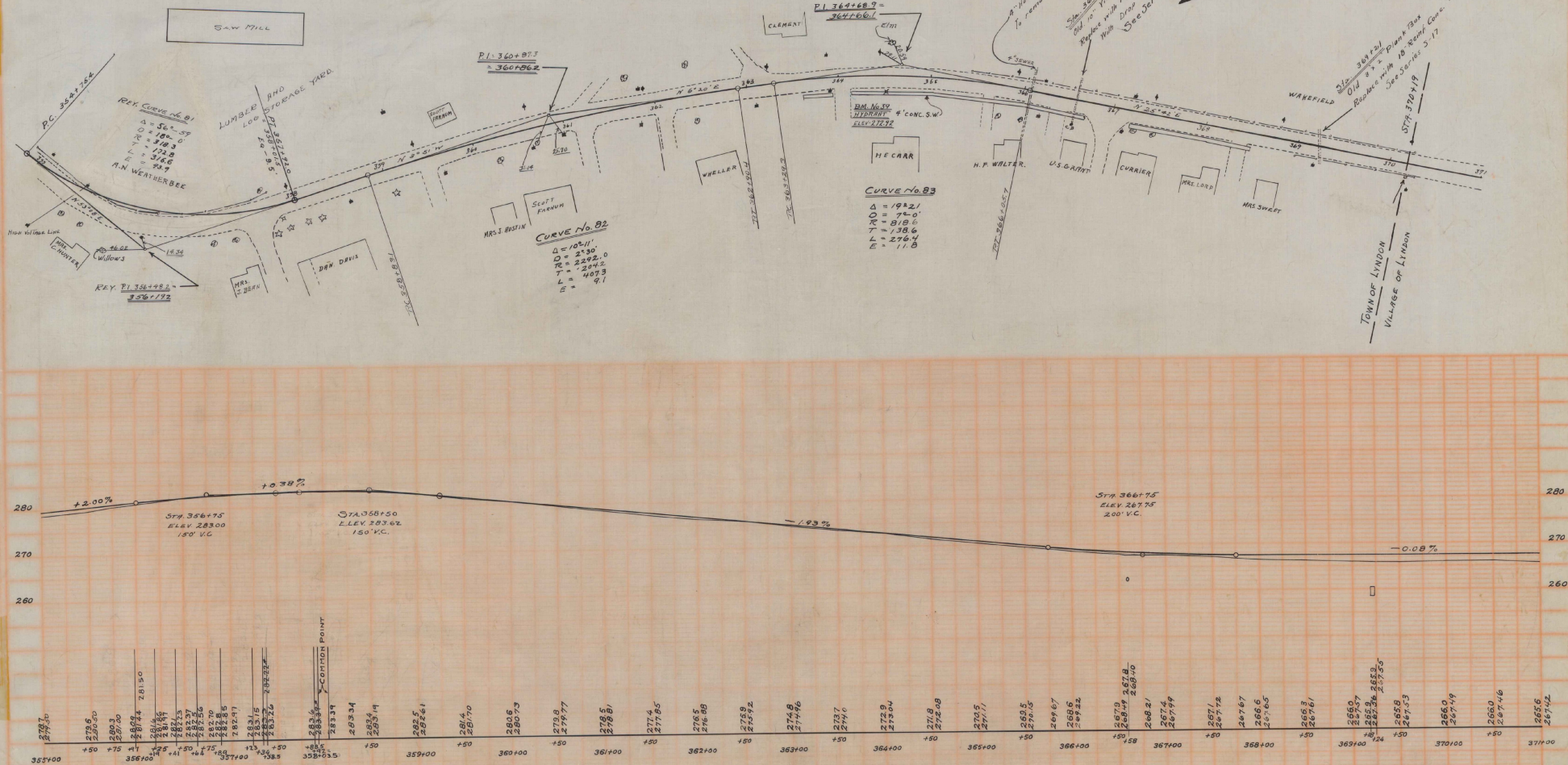
SERIES F No. 115A
SHEET 28 OF 123

ON RIGHT

Sta 368+94 to Sta 371+00 Length 206 ft.

Sta. 366 + 58 15" Rein. Concrete Pipe Culvert 82 ft.
With Drop Inlet & Precast Concrete Top.
Concrete Class A (1-2-4) 13 cu. yds.
Concrete Class B (1-2-4-5) 11 " "
Reinforcing Steel 103 lbs.
Sta. 369 + 21 18" Rein. Concrete Pipe Culvert 48 ft.
Concrete Class B (1-2-4-5) 27 cu. yds.
Reinforcing Steel 55 lbs.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
9	VI.	115A	1928	29	123



B.M. No. 39 Hydrant Ring Right of Str. 364+49 Elev. 272.92

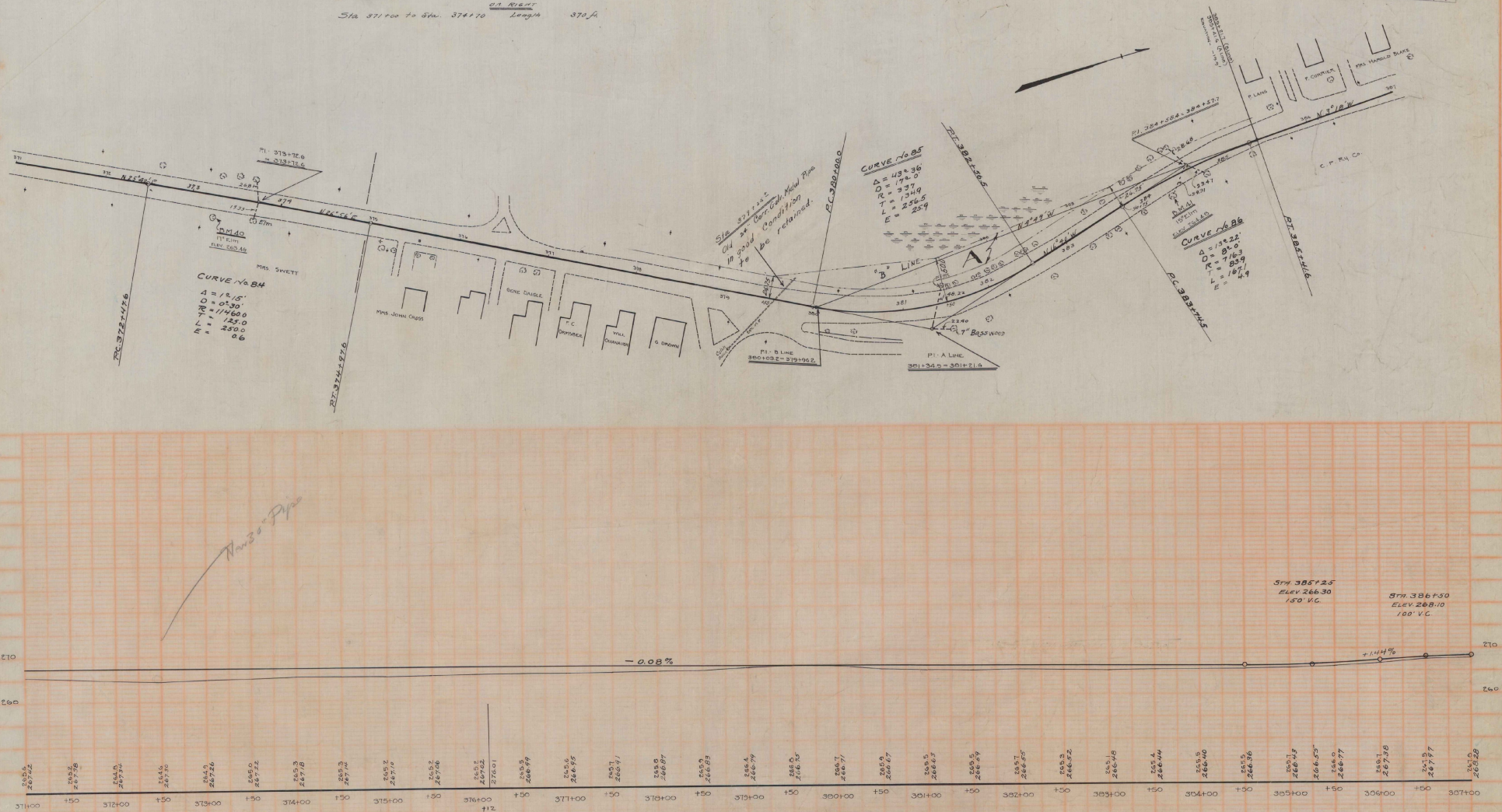
SERIES F No. 115A
SHEET 29 OF 123

CABLE GUARD RAIL REQUIRED

Sta. 371+00 to Sta. 376+22 ON LEFT Length 522 ft.
 Sta. 371+00 to Sta. 374+70 ON RIGHT Length 370 ft.

PARCEL INSTRUMENT DATE GRANTOR GRANTEE RECORDED REMARKS
 A Q.C.D. 11-26-40 FRED & FLOISIE BROOKS ST. OF VT. 38 120 11-26-40

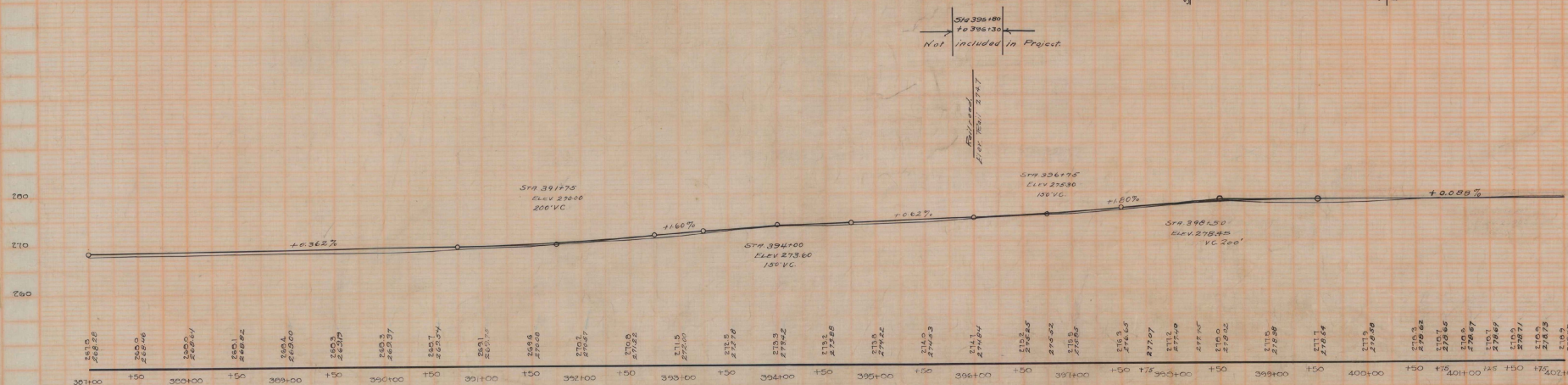
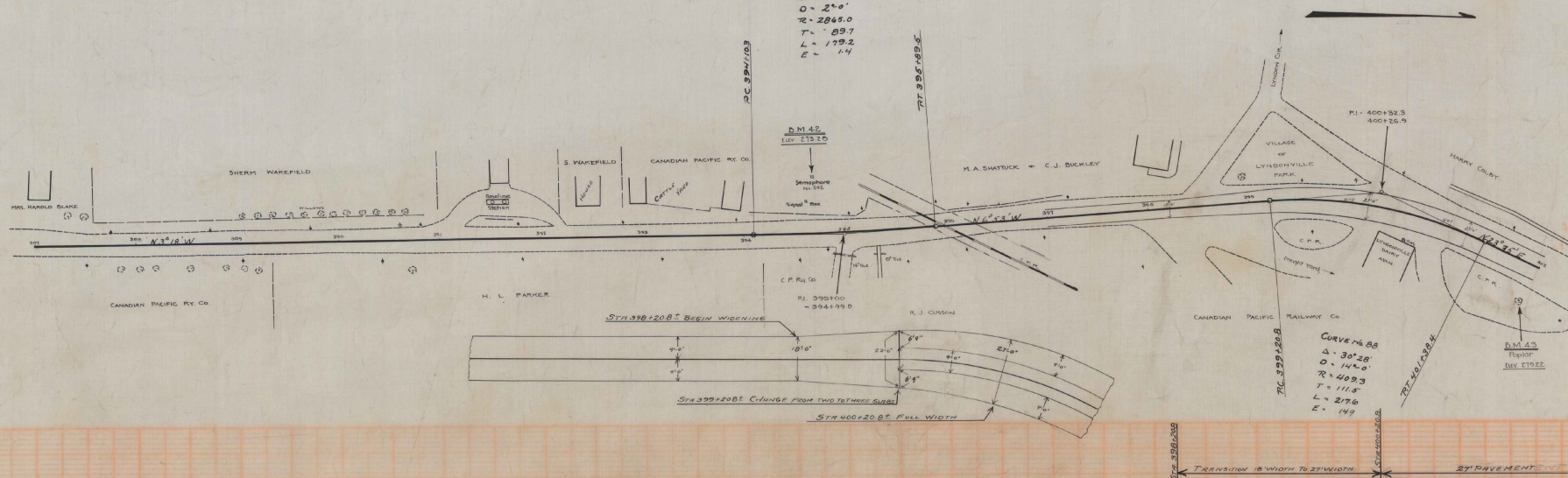
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	VT	115A	1941	30	123



D.M. 40 - Spike in roof of 11' Elm, 21' ft Sta 375+24 Elev. 263.46.
 D.M. 41 - Spike in roof of 15' Elm, 15' ft Sta 374+25 Elev. 264.40.

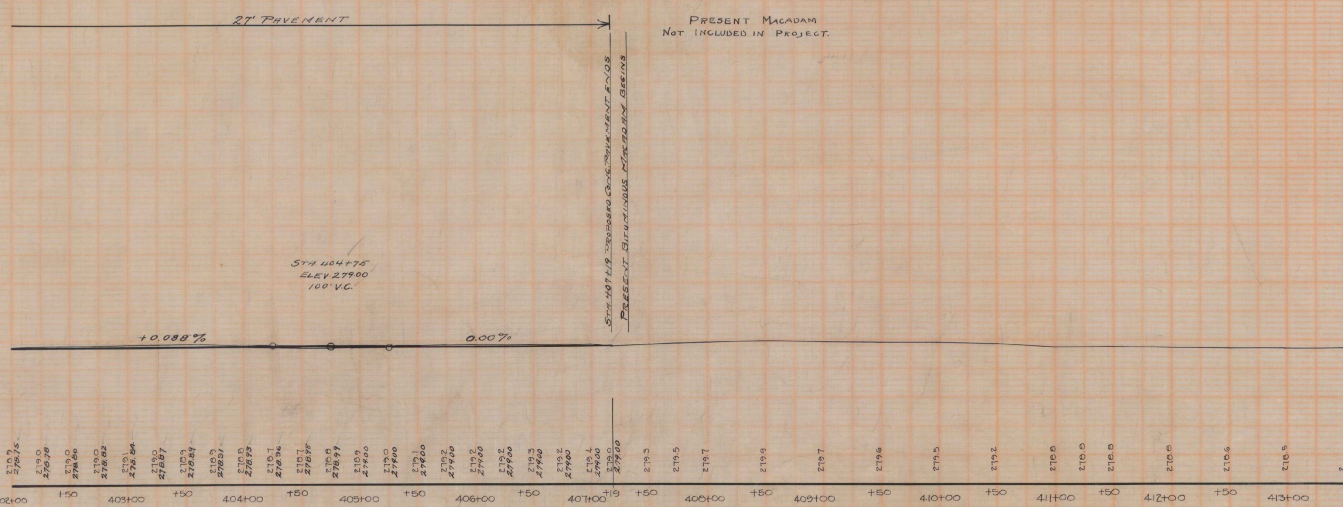
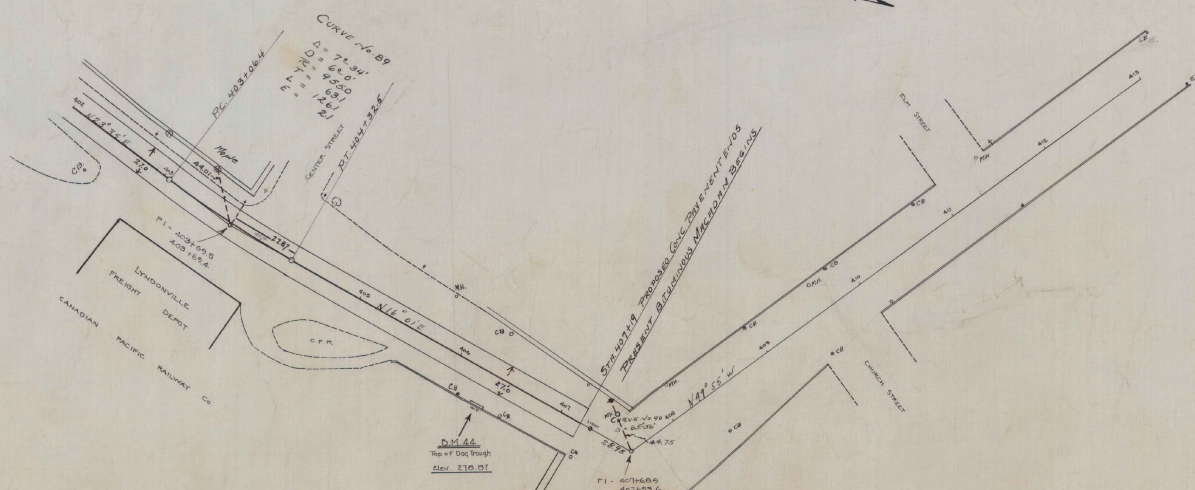
ON LEFT
Sta. 396+00 to Sta 397+20 Length 120 ft.
ON RIGHT
Sta 387+16 to Sta 391+04 Length 388 ft.

CURVE NO. 87
 $\Delta = 3^{\circ}35'$
 $D = 2^{\circ}0'$
 $R = 2865.0$
 $T = 89.7$
 $L = 179.2$
 $E = 1.4$



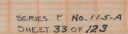
B.M. 42 ~ S.E. cor. foundation Semaphore No. 692, 86' Lt. Sta 394+65 ~ Elev. 275.20
B.M. 43 ~ Spike in Poplar, 36' + Sta 404+95 ~ ~ ~ ~ ~ Elev. 279.22

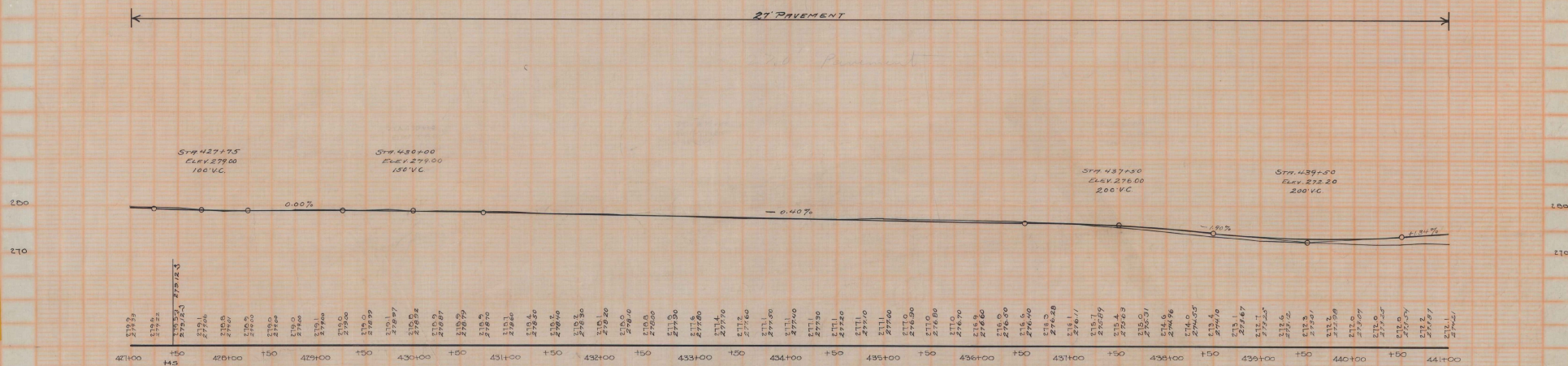
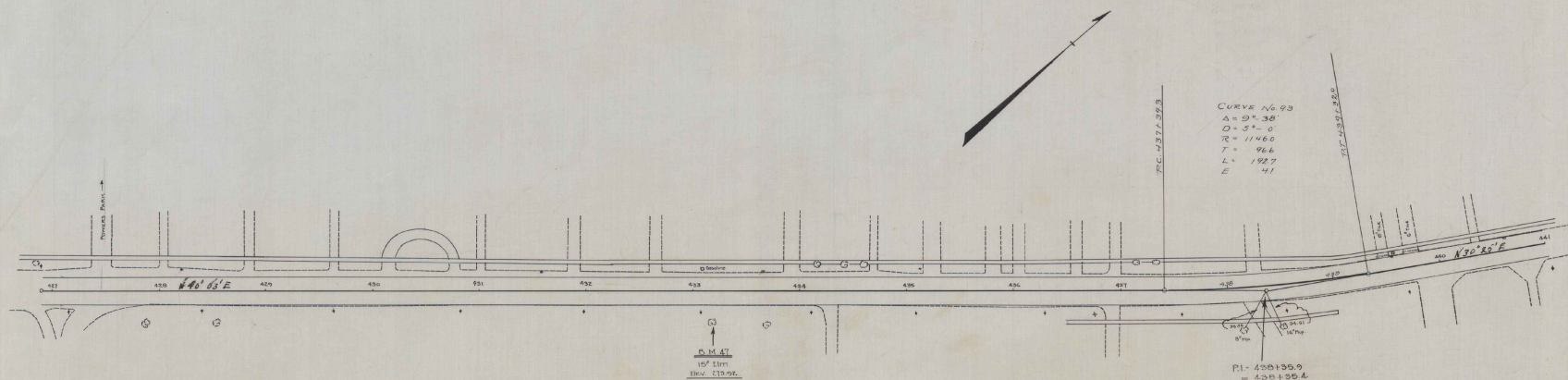
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	VT	1154	1929	32	103



D.M. 4.4 - Top of Dig Trough, 25' to 30' 406+127 - Elev. 210.01

AD
W.C.
1921
OCT. 1921





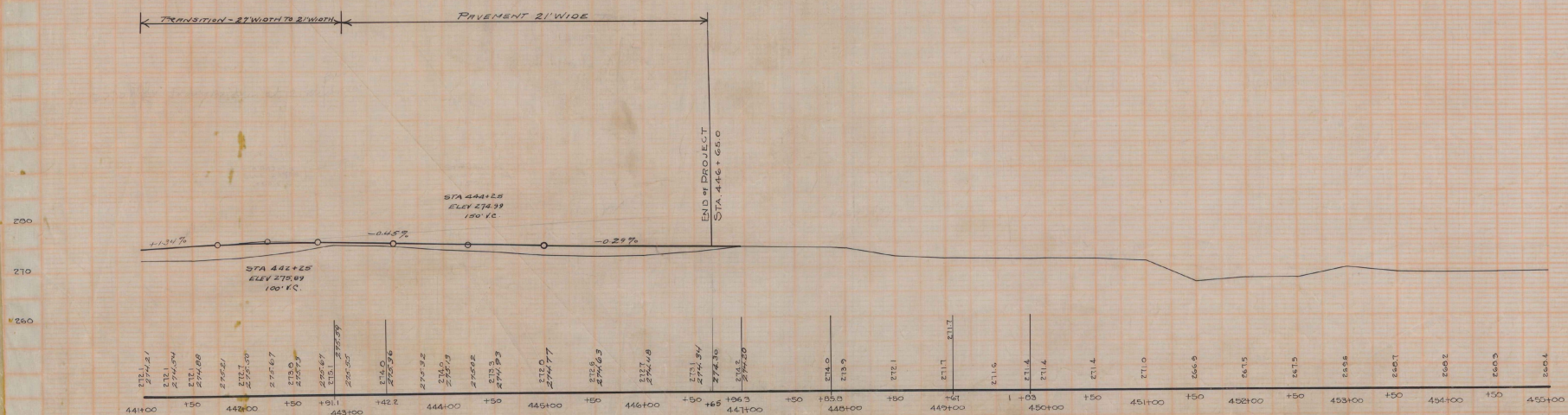
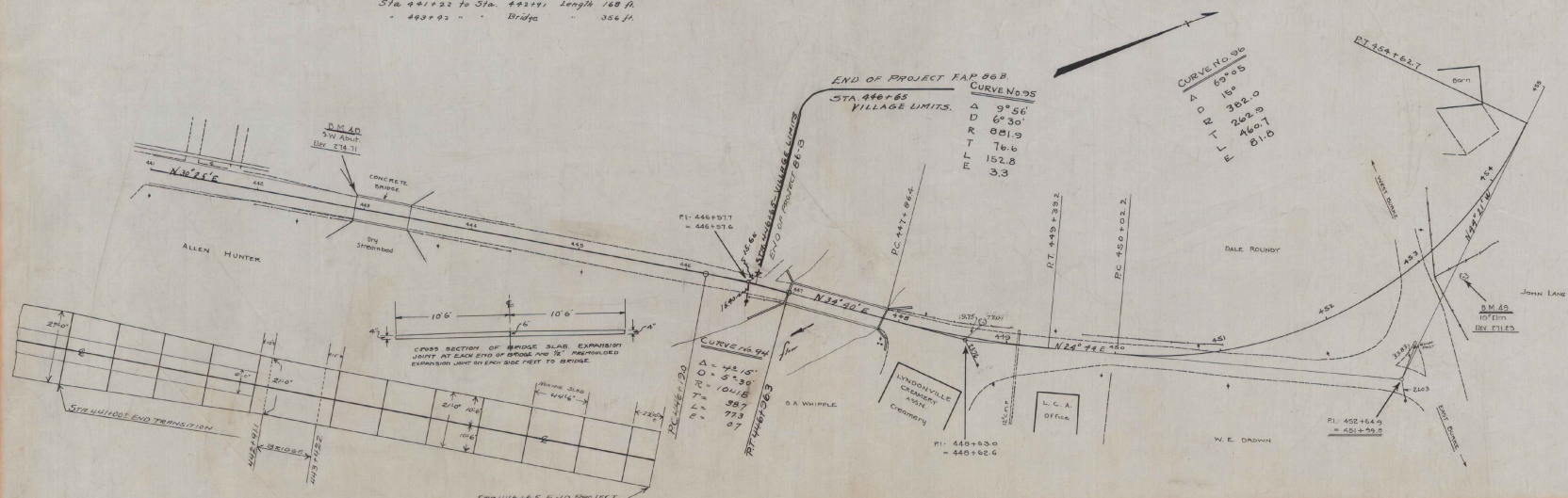
D.M. 47 - Spike in root of 10' line, 26/1/54 433166 - Rev. 213-75

WOOD GUARD RAIL REQUIRED.

ON LEFT
Sta. 442+03 to Sta. 442+91 Length 88 ft.
" 446+72 " " 446+98 " 26

CABLE GUARD RAIL REQUIRED

ON RIGHT
Sta. 442+92 to Sta. 446+78 Length 386 ft.
Sta. 441+22 to Sta. 442+91 Length 169 ft.
" 442+92 " " Bridge " 356 ft.



D.M. 4.0 ✓ SW cor. bridge abutment, 11' 5" to 442+92 - - (Elev. 274.11)
D.M. 4.9 ✓ Spike in road 15' 10" from 441+22 to 442+91 - - (Elev. 271.23)

1928

St. Johnsbury-Lyndon
FR. 115A

1928