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Standard Structure Sheets Approved  
By The Chief Engineer  
5-28, July 11, 1933.  
5-30, Aug. 15, 1934.

STATE OF VERMONT  
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY  
FEDERAL AID PROJECT

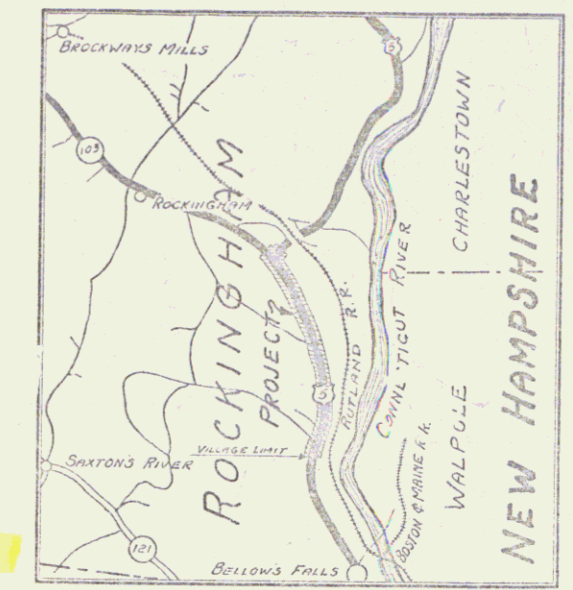
TOWN OF ROCKINGHAM

BEGINNING AT THE BELLOWS FALLS VILLAGE  
LIMITS ON ROUTE U.S. 5 AND EXTENDING NORTHERLY  
2.219 MILES TO A POINT 616.0 FEET BEYOND THE  
INTERSECTION OF STATE ROUTE 103 & ROUTE U.S. 5

LENGTH OF MAIN LINE 11,718.4 FEET = 2.219 MILES  
LENGTH OF "B" LINE 1,116.0 FEET = 0.211 MILES  
TOTAL LENGTH OF PROJECT 12,834.4 FEET = 2.430 MILES

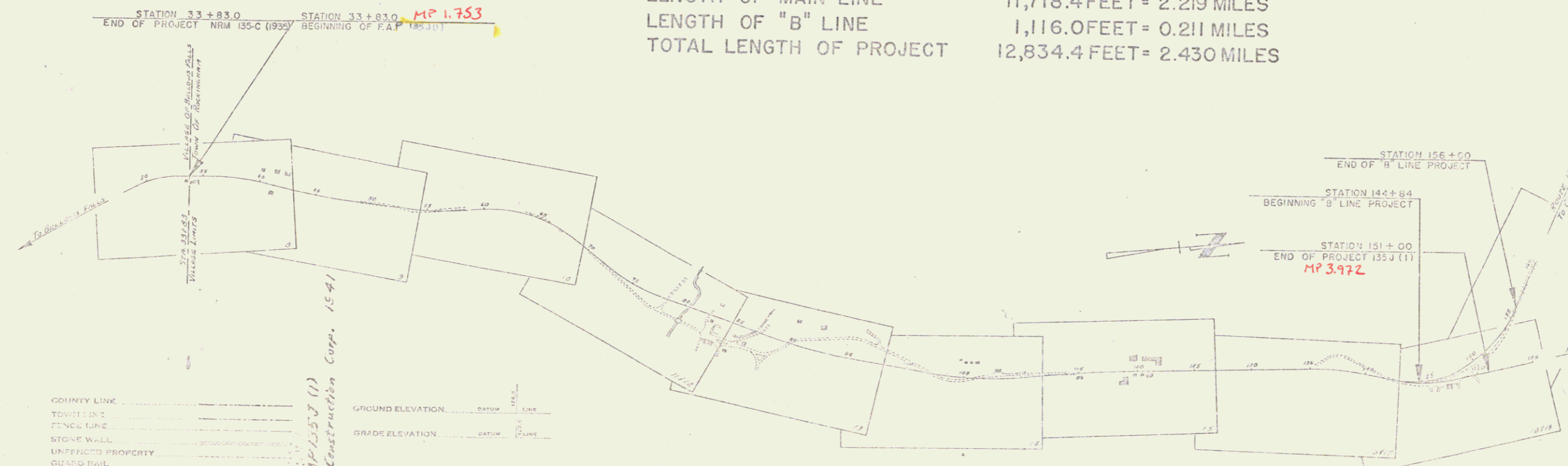
Pin # 99R362  
Project: SN FAP 135J(1)

PROJECT DIST. NO.	YEAR	PROJ. NO.	PLAN NO.	SHEET NO.	TOTAL SHEETS
9	VT	135J(1)	1	1	1



SCALE: 1 INCH = 1 MILE

RECORD PLAN  
BY  
T. P. Tierney 2/72



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

APPROVED: May 13, 1940  
Commissioner of Highways

SYMBOL	DESCRIPTION
---	COUNTY LINE
---	TOWN LINE
---	TINCLINE
---	STONE WALL
---	UNFENCED PROPERTY
---	GUARD RAIL
---	TRAVELED WAY
---	RAILROAD
---	RETAINING WALL
---	CENTER LINE
---	SURVEY LINE
---	CULVERT
---	DROP INLET
---	POWER POLE
---	TELEPHONE POLE
---	TRUCK
---	HELIX

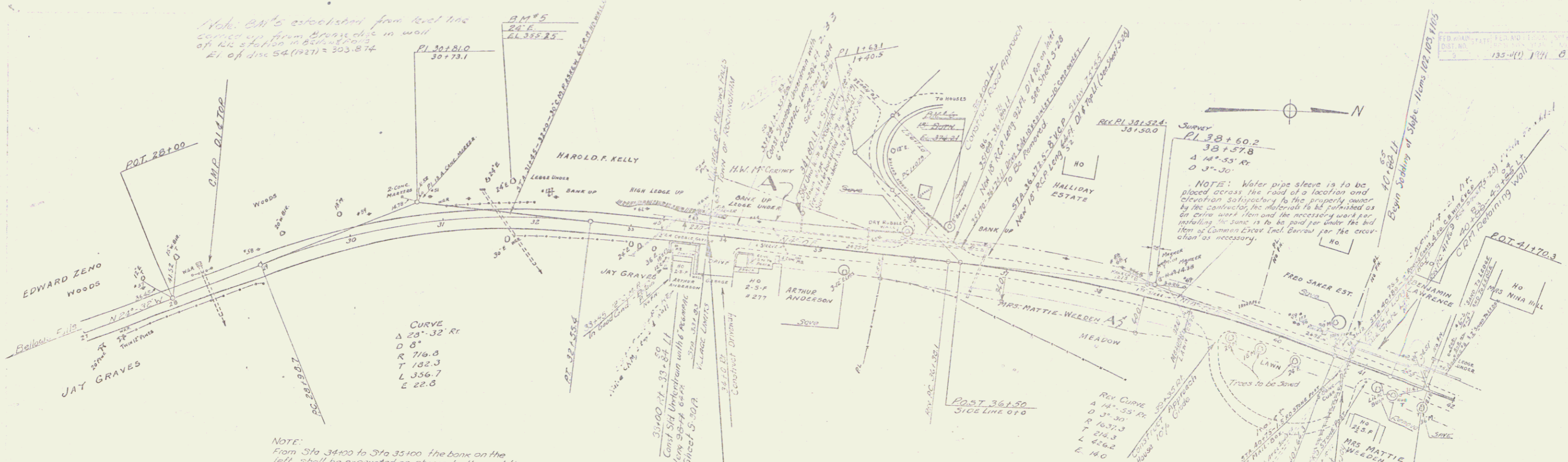
CURVE DATA		SCALES	
DEFLECTION ANGLE	Δ	TITLE	1" = 500 ft.
DEGREE OF CURVE	D	TYPICAL	1" = 2 ft.
RADIUS OF CURVE	R	PLAN	1" = 30 ft.
TANGENT DISTANCE	T	PROFILL	HORIZONTAL 1" = 50 ft.
LENGTH OF CURVE	L	VERTICAL	1" = 10 ft.
EXTERNAL DISTANCE	E	CROSS SECTIONS	1" = 5 ft.
POINT OF INTERSECTION	P. I.	TYPICAL BOX TRANSVERS.	1" = 5 ft.
POINT OF CURVE	P. C.		
POINT OF TANGENT	P. T.		
POINT ON TANGENT	P. O. T.		

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE PUBLIC ROADS ADMINISTRATION OR THE COMMISSIONER OF HIGHWAYS.

CONTRACTORS TO BE CARREY ON IN ACCORDANCE WITH THE PLANS AND THE STANDARDS AND SPECIFICATIONS OF 1934 AS APPROVED DECEMBER 21ST 1937 BY THE PUBLIC ROADS ADMINISTRATION INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND CITY REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE FURNISHED WITH THE PLANS.

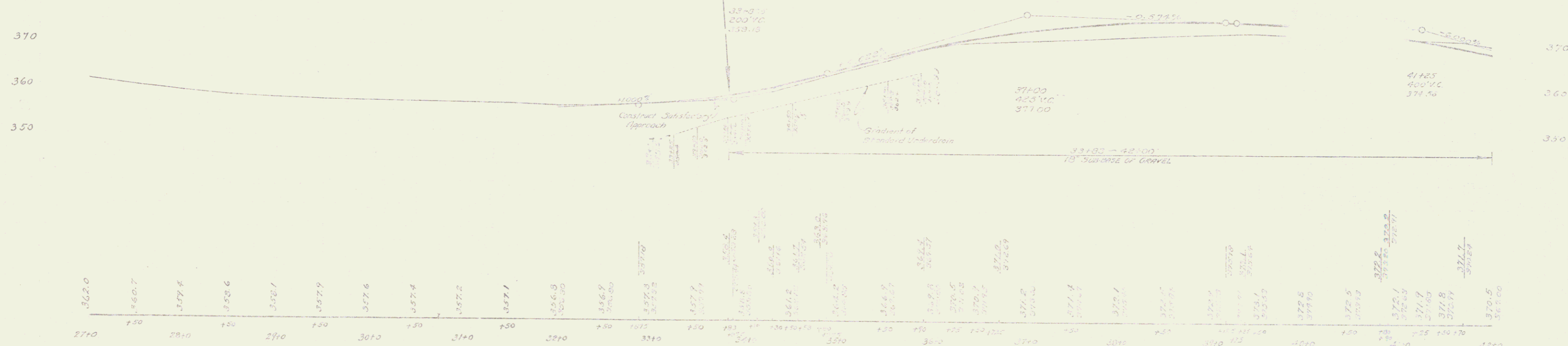
APPROVED: \_\_\_\_\_  
COMMISSIONER OF HIGHWAYS

DIST # 2 PLANS



NOTE:  
 From Sta 38+00 to Sta 35+00 the bank on the left shall be excavated as shown by the neat lines. This work to be paid for as Common Excavation Incl. Borrow Item 10.11.  
 The area indicated by cross hatching shall be back filled with sub-base of Gravel Item 13C. See Sheet 363 of 151 sheets.

TYPE OF SURFACE	PARCEL INTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
20' Roadway, M.P. Surf. with Cut Back Asphalt & Rep. Top	A	7-29-40	MATTIE W. WELDEN	ST. OF VT.	75	1 CULV
	B	7-29-40	M. W. WELDEN (MORTGAGEE)	ST. OF VT.	65	

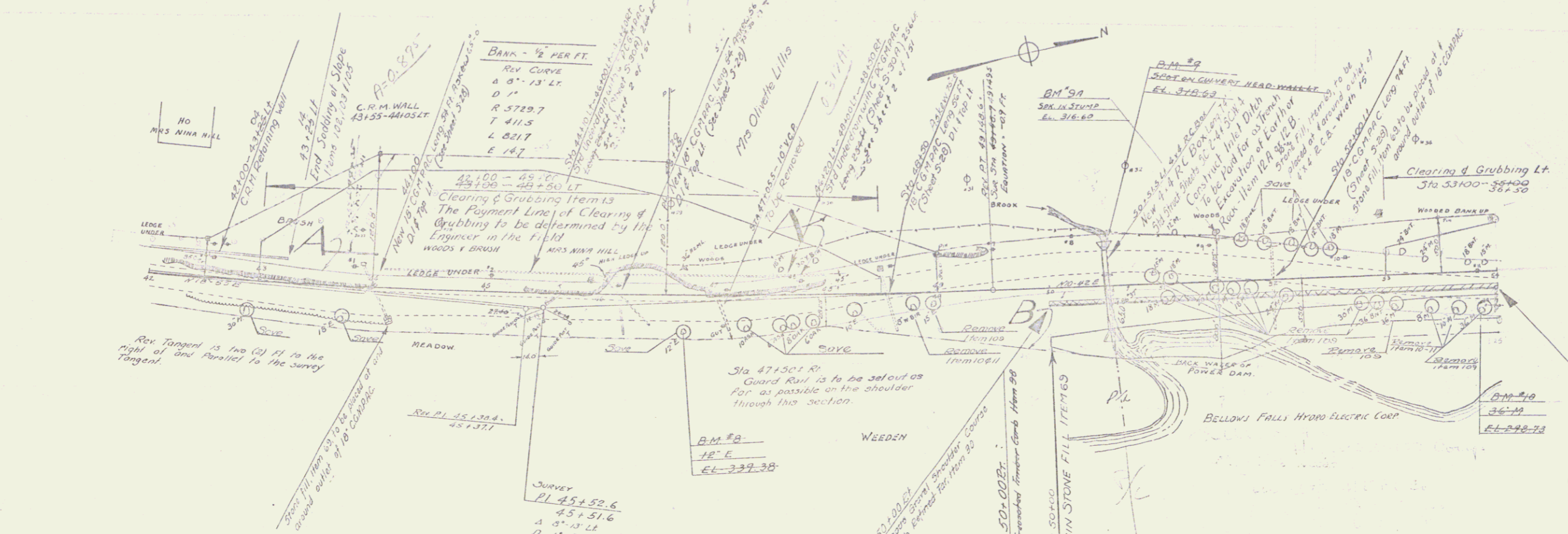


B.M. #5 S 1/4 24' E 1/4 35' 1/2' LT STA 31+75 ELEV. 365.35'  
 B.M. #6 S 1/4 24' E 1/4 35' 1/2' LT STA 31+75 ELEV. 365.35'  
 B.M. #7 S 1/4 24' E 1/4 35' 1/2' LT STA 41+70 ELEV. 371.14'

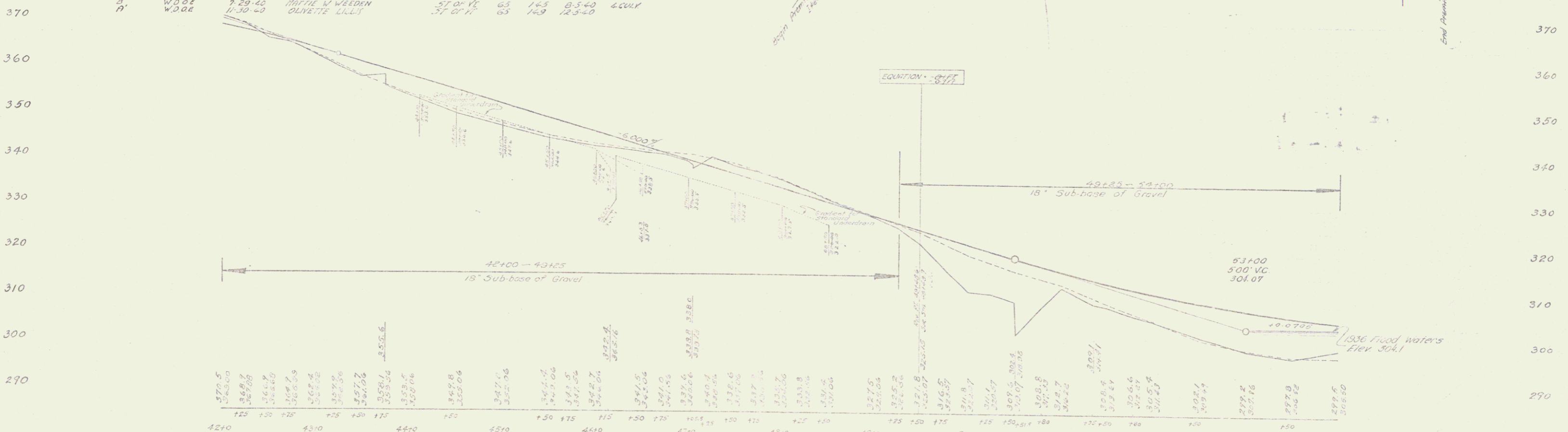
ROCKINGHAM SERIES (SHEET NO. 151) SHEET 151 OF 151

LANE  
H.R. CALLAWAY  
8-27-38

LANE  
H.R. CALLAWAY  
8-27-38



PARCEL INTERMENT	DATE	GRANTOR	GRANTEE	RECORDED ROCKINGHAM	REMARKS
A	7-29-40	NINA HILL	ST. OF VT.	80X 124	83-20
B	7-29-40	MATHE W. WEEDEN	ST. OF VT.	65 145	83-40
A'	11-30-40	OLIVETTE LILLIS	ST. OF VT.	65 149	123-20



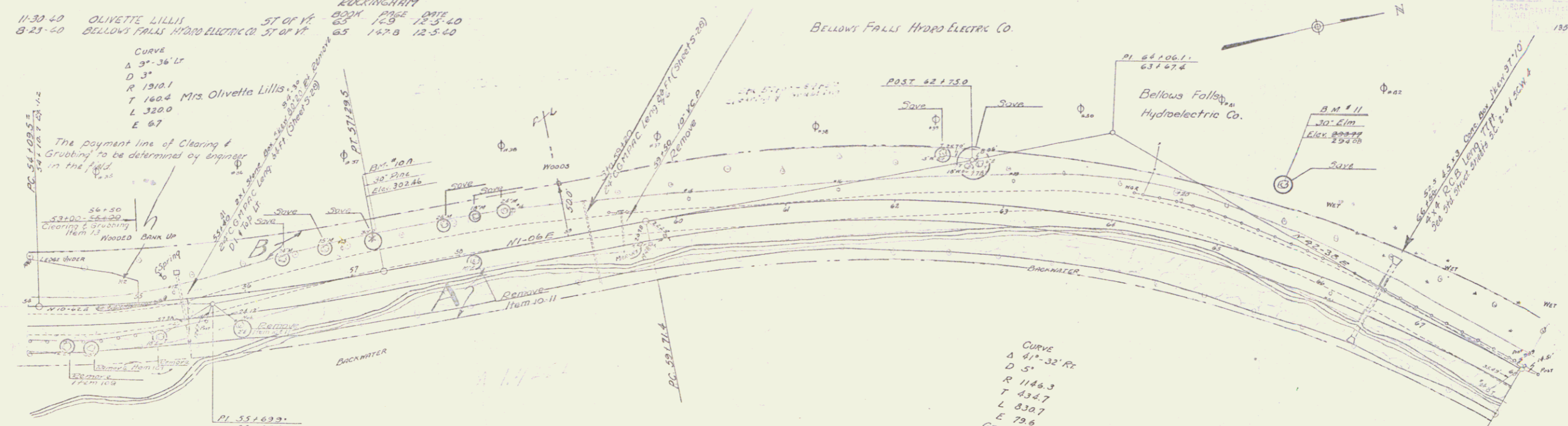
B.M. #9 51.00' 1/2" DIA. STAINLESS STEEL STA. 51+00 ELEV. 316.60  
 B.M. #8 5/8" DIA. 12" ELM. 27' RT. STA. 40+15 ELEV. 339.38  
 B.M. #9 SPOT ON CULTURE HEAD WALL LT. ELEV. 318.64  
 B.M. #10 3/4" TRUNK 3/4" DIA. 33' RT. STA. 33+24 ELEV. 276.73

ROCKINGHAM  
 JACOB'S FIRE NO. 125 J(1)  
 SHEET 9 OF 151

PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
B	W.D.O.E.	11-30-40	OLIVETTE LILLIS	ST OF VT	BOOK PAGE DATE 65 143 12-5-40	
A	A.C.	8-23-40	BELLOWS FALLS HYDRO ELECTRIC CO	ST OF VT	65 147.0 12-5-40	

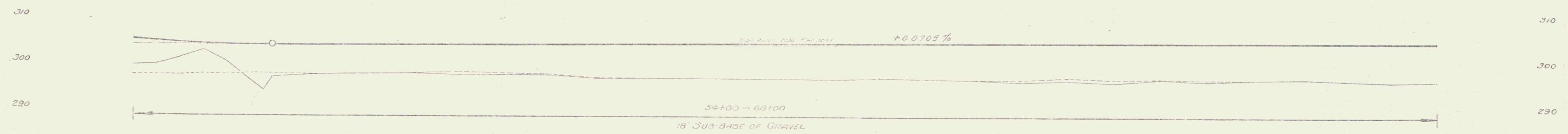
CURVE  
 Δ 37° 36' 47"  
 D 31'  
 R 1310.1  
 T 160.4 Mrs. Olivette Lillis  
 L 320.0  
 E 67

The payment line of Clearing & Grubbing to be determined by engineer in the field.



Note: Existing Guard Rail & Guide Posts. Any existing guard rail or guide posts that may be taken down are to become the property of the State. The cable shall be reeled and stored and the posts & planting piled in such locations as may be determined by the engineer.

CURVE  
 Δ 41° 32' 32"  
 D 5'  
 R 1146.3  
 T 834.7  
 L 830.7  
 E 79.6  
 GRADE ON INSIDE  
 BANK 1/2" PER FOOT



STATION	ELEVATION
54+00	299.30
54+10	298.70
54+20	298.10
54+30	297.50
54+40	296.90
54+50	296.30
54+60	295.70
54+70	295.10
54+80	294.50
54+90	293.90
55+00	293.30
55+10	292.70
55+20	292.10
55+30	291.50
55+40	290.90
55+50	290.30
55+60	289.70
55+70	289.10
55+80	288.50
55+90	287.90
56+00	287.30
56+10	286.70
56+20	286.10
56+30	285.50
56+40	284.90
56+50	284.30
56+60	283.70
56+70	283.10
56+80	282.50
56+90	281.90
57+00	281.30
57+10	280.70
57+20	280.10
57+30	279.50
57+40	278.90
57+50	278.30
57+60	277.70
57+70	277.10
57+80	276.50
57+90	275.90
58+00	275.30
58+10	274.70
58+20	274.10
58+30	273.50
58+40	272.90
58+50	272.30
58+60	271.70
58+70	271.10
58+80	270.50
58+90	269.90
59+00	269.30
59+10	268.70
59+20	268.10
59+30	267.50
59+40	266.90
59+50	266.30
59+60	265.70
59+70	265.10
59+80	264.50
59+90	263.90
60+00	263.30
60+10	262.70
60+20	262.10
60+30	261.50
60+40	260.90
60+50	260.30
60+60	259.70
60+70	259.10
60+80	258.50
60+90	257.90
61+00	257.30
61+10	256.70
61+20	256.10
61+30	255.50
61+40	254.90
61+50	254.30
61+60	253.70
61+70	253.10
61+80	252.50
61+90	251.90
62+00	251.30
62+10	250.70
62+20	250.10
62+30	249.50
62+40	248.90
62+50	248.30
62+60	247.70
62+70	247.10
62+80	246.50
62+90	245.90
63+00	245.30
63+10	244.70
63+20	244.10
63+30	243.50
63+40	242.90
63+50	242.30
63+60	241.70
63+70	241.10
63+80	240.50
63+90	239.90
64+00	239.30
64+10	238.70
64+20	238.10
64+30	237.50
64+40	236.90
64+50	236.30
64+60	235.70
64+70	235.10
64+80	234.50
64+90	233.90
65+00	233.30
65+10	232.70
65+20	232.10
65+30	231.50
65+40	230.90
65+50	230.30
65+60	229.70
65+70	229.10
65+80	228.50
65+90	227.90
66+00	227.30
66+10	226.70
66+20	226.10
66+30	225.50
66+40	224.90
66+50	224.30
66+60	223.70
66+70	223.10
66+80	222.50
66+90	221.90
67+00	221.30
67+10	220.70
67+20	220.10
67+30	219.50
67+40	218.90
67+50	218.30
67+60	217.70
67+70	217.10
67+80	216.50
67+90	215.90
68+00	215.30

BM #11 SPIKE IN TRUNK OF 30" PINE 29 FT LT. OF STA 57+25 ELEV 352.46  
 BM #11 SPIKE IN ROOT OF 30" ELM 67 FT LT. OF STA 65+40 ELEV 293.99 294.03

ROCKINGHAM  
 SERIES NO. 130-6(1)  
 SHEET 10 OF 101



For requirements relative to spring box and water pipe lines, etc., see note on Sheet 5

Channel to be closed by the contractor from top of new 24" box to West side of new channel. Size of new channel to be such as to carry the water of box well back through the box. At each location on the Engineer may order the excavated material to be used to form a dike to the east of the channel. This excavation to be paid for as "Channel Excavation."

Begin Excavated Timber embankment to contain water from the embankment. Bituminous gravel should be used with 2" of sand on top.

The area between Sta 87+00 & 87+50 R.C. shall be excavated, Item 10 & 11, to an elevation with the shoulder of the main line & the side road.

FOR DETAILS OF SIDE ROAD CONSTRUCTION RT. OF 83+00 See Cross Section Sheets 14 & 14.5 of 151

Payment line of flooring & grading to be determined by the engineer in the field.

Outlet to be placed on the right of the 24" box in order that the drainage from this culvert will be carried to the south.

Inlet to be placed Lt. of Sta. 95+00

Outlet to be placed on the right of the 24" box in order that the drainage from this culvert will be carried to the south.

1/4" = 100' (Vertical)



STATION	ELEVATION	REMARKS
87+00	310.00	Top of 24" box
87+10	315.00	Top of 24" box
87+20	320.00	Top of 24" box
87+30	325.00	Top of 24" box
87+40	330.00	Top of 24" box
87+50	335.00	Top of 24" box
87+60	340.00	Top of 24" box
87+70	345.00	Top of 24" box
87+80	350.00	Top of 24" box
87+90	355.00	Top of 24" box
88+00	360.00	Top of 24" box
88+10	365.00	Top of 24" box
88+20	370.00	Top of 24" box
88+30	375.00	Top of 24" box
88+40	380.00	Top of 24" box
88+50	385.00	Top of 24" box
88+60	390.00	Top of 24" box
88+70	395.00	Top of 24" box
88+80	400.00	Top of 24" box
88+90	405.00	Top of 24" box
89+00	410.00	Top of 24" box
89+10	415.00	Top of 24" box
89+20	420.00	Top of 24" box
89+30	425.00	Top of 24" box
89+40	430.00	Top of 24" box
89+50	435.00	Top of 24" box
89+60	440.00	Top of 24" box
89+70	445.00	Top of 24" box
89+80	450.00	Top of 24" box
89+90	455.00	Top of 24" box
90+00	460.00	Top of 24" box
90+10	465.00	Top of 24" box
90+20	470.00	Top of 24" box
90+30	475.00	Top of 24" box
90+40	480.00	Top of 24" box
90+50	485.00	Top of 24" box
90+60	490.00	Top of 24" box
90+70	495.00	Top of 24" box
90+80	500.00	Top of 24" box
90+90	505.00	Top of 24" box
91+00	510.00	Top of 24" box
91+10	515.00	Top of 24" box
91+20	520.00	Top of 24" box
91+30	525.00	Top of 24" box
91+40	530.00	Top of 24" box
91+50	535.00	Top of 24" box
91+60	540.00	Top of 24" box
91+70	545.00	Top of 24" box
91+80	550.00	Top of 24" box
91+90	555.00	Top of 24" box
92+00	560.00	Top of 24" box
92+10	565.00	Top of 24" box
92+20	570.00	Top of 24" box
92+30	575.00	Top of 24" box
92+40	580.00	Top of 24" box
92+50	585.00	Top of 24" box
92+60	590.00	Top of 24" box
92+70	595.00	Top of 24" box
92+80	600.00	Top of 24" box
92+90	605.00	Top of 24" box
93+00	610.00	Top of 24" box
93+10	615.00	Top of 24" box
93+20	620.00	Top of 24" box
93+30	625.00	Top of 24" box
93+40	630.00	Top of 24" box
93+50	635.00	Top of 24" box
93+60	640.00	Top of 24" box
93+70	645.00	Top of 24" box
93+80	650.00	Top of 24" box
93+90	655.00	Top of 24" box
94+00	660.00	Top of 24" box
94+10	665.00	Top of 24" box
94+20	670.00	Top of 24" box
94+30	675.00	Top of 24" box
94+40	680.00	Top of 24" box
94+50	685.00	Top of 24" box
94+60	690.00	Top of 24" box
94+70	695.00	Top of 24" box
94+80	700.00	Top of 24" box
94+90	705.00	Top of 24" box
95+00	710.00	Top of 24" box
95+10	715.00	Top of 24" box
95+20	720.00	Top of 24" box
95+30	725.00	Top of 24" box
95+40	730.00	Top of 24" box
95+50	735.00	Top of 24" box
95+60	740.00	Top of 24" box
95+70	745.00	Top of 24" box
95+80	750.00	Top of 24" box
95+90	755.00	Top of 24" box
96+00	760.00	Top of 24" box
96+10	765.00	Top of 24" box
96+20	770.00	Top of 24" box
96+30	775.00	Top of 24" box
96+40	780.00	Top of 24" box
96+50	785.00	Top of 24" box
96+60	790.00	Top of 24" box
96+70	795.00	Top of 24" box
96+80	800.00	Top of 24" box
96+90	805.00	Top of 24" box
97+00	810.00	Top of 24" box
97+10	815.00	Top of 24" box
97+20	820.00	Top of 24" box
97+30	825.00	Top of 24" box
97+40	830.00	Top of 24" box
97+50	835.00	Top of 24" box



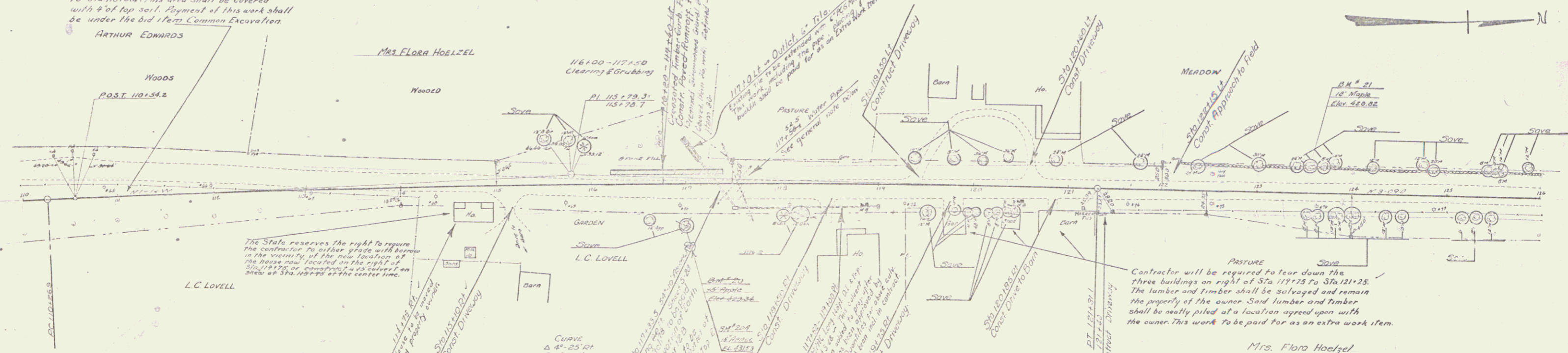
The contractor will be required to scarify and remove the present bituminous surface, not removed or covered by the contractor as shown on the plans on left of Sta 110+00 to Sta 113+00. This area shall be covered with 9" of top soil. Payment of this work shall be under the bid item Common Excavation.

ARTHUR EDWARDS

Mrs. FLORA HOEJZEL

The property owner is given the privilege of removing the stones from the existing stone wall on the left of Sta 122+00 to Sta 122+00 prior to June 1, 1944, and if the wall is not moved by the owner at that time, the contractor will be required to move the stones in the wall to the west end to a point just outside of the new fill, said stones to remain the property of the owner.

135-11 194 15 151



The State reserves the right to require the contractor to either grade with borrow in the vicinity of the new location of the above now located on the right of Sta 118+75 to Sta 119+25.

L.C. LOVELL

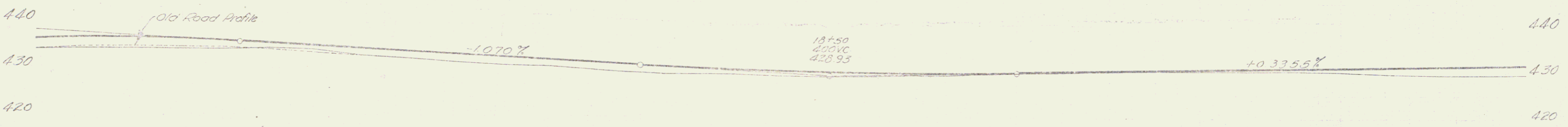
Mrs. Flora Hoetzal

CURVE  
 Δ 4°-25' 10"  
 D 0'-24'  
 R 19323.0  
 T 352.4  
 L 1104.2  
 E 107

NOTE: STA 117+50  
 Contractor shall install a 24" iron pipe (used as a sewer) per water pipe under the highway at a location, and of a grade satisfactory to the property owner. All work, including the pipe, flooding and bedding shall be paid for as an extra item. Payment for water pipe shall be done by the property owner.

Sta 118+00 to 119+25  
 Property owner shall be given an opportunity to transport the heave at this location.

PASTURE  
 Contractor will be required to tear down the three buildings on right of Sta 119+25 to Sta 121+25. The lumber and timber shall be salvaged and remain the property of the owner. Said lumber and timber shall be neatly piled at a location agreed upon with the owner. This work to be paid for as an extra work item.



STA 110+00 - 126+00  
 15' SUB BASE OF GRAVEL

110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126
432.9	432.8	432.7	432.6	432.5	432.4	432.3	432.2	432.1	432.0	431.9	431.8	431.7	431.6	431.5	431.4	431.3

ROCKINGHAM  
 SHEET 15 OF 15



132  
 1944

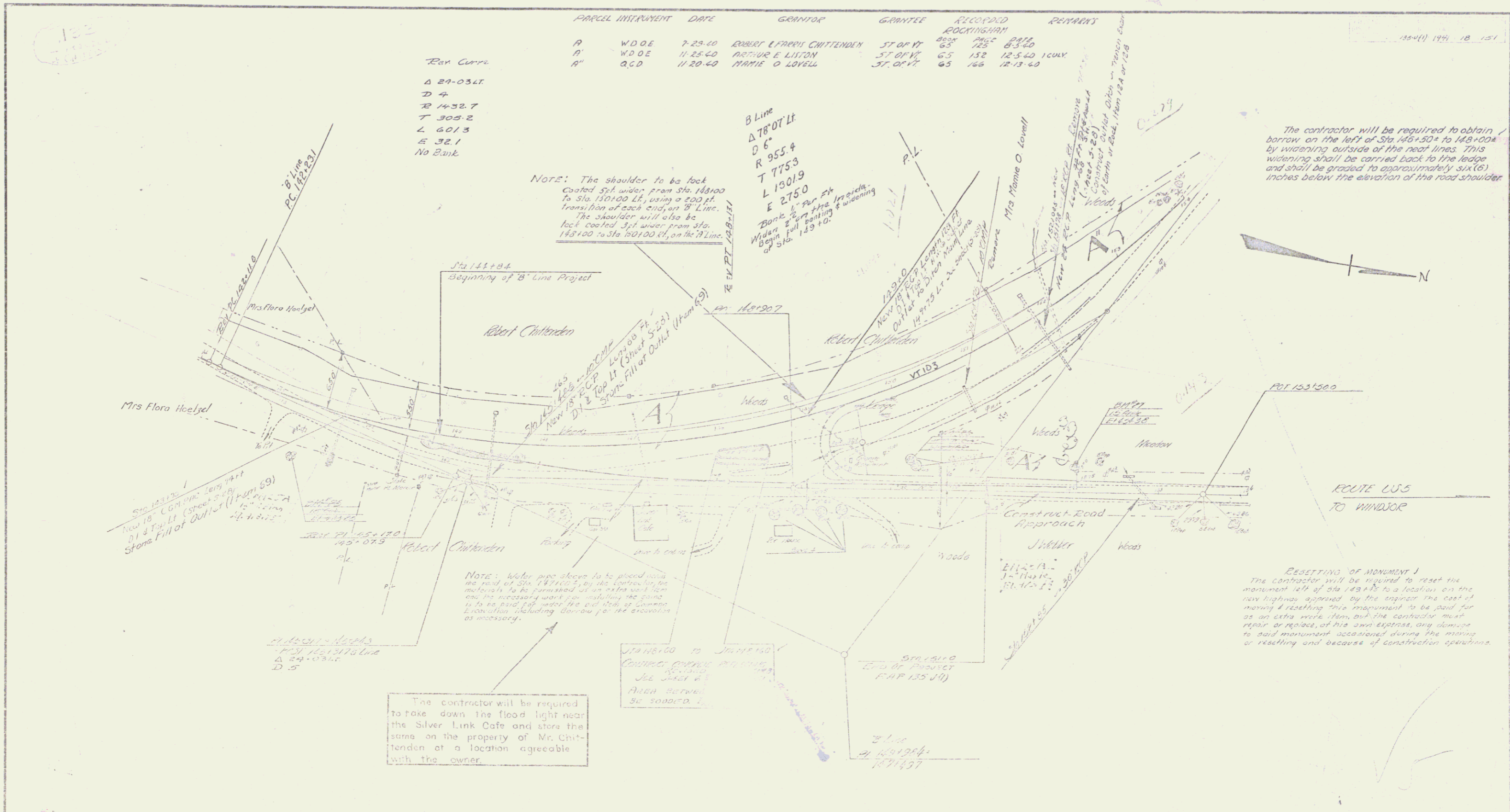
PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED BOOKINGHAM	REMARKS
A	W D O E	7-23-40	ROBERT E FRANK CHITTENDEN	ST OF VT	65 125	8-3-40
A'	W D O E	11-25-40	ARTHUR E LITTON	ST OF VT	65 152	12-5-40 100x1
A''	R G D	11-20-40	MARIE O LOWELL	ST OF VT	65 166	12-13-40

Ret Curve  
 Δ 29-03.4  
 D 4  
 R 1432.7  
 T 305.2  
 L 601.3  
 E 32.1  
 No Bank

Note: The shoulder to be lock coated 3/4" wider from sta. 148100 to sta. 150100 ft, using a 200 ft. transition of each end, on B' Line. The shoulder will also be lock coated 3/4" wider from sta. 148100 to sta. 150100 ft, on the A' Line.

B Line  
 Δ 78° 07' 11"  
 D 6'  
 R 955.4  
 T 775.3  
 L 1501.9  
 E 275.0  
 Bank 2' from Sta. 149100  
 Widen 2' from Sta. 149100  
 Begin Full Banking & widening of Sta. 149100

The contractor will be required to obtain borrow on the left of Sta 148100 to 149100 by widening outside of the road lines. This widening shall be carried back to the ledge and shall be graded to approximately six (6) inches below the elevation of the road shoulder.



NOTE: Water pipe above to be placed under the road of Sta. 147100. The contractor has the duty to be provided an extra soil line and the necessary work including the going to the hole for water the full depth of the excavation including drainage for the excavation as necessary.

The contractor will be required to take down the flood light near the Silver Link Cafe and store the same on the property of Mr. Chittenden at a location agreeable with the owner.

RESETTING OF MONUMENT J  
 The contractor will be required to reset the monument left of sta 148100 to a location on the new highway approved by the engineer the cost of moving & resetting this monument to be paid for as an extra work item, but the contractor must repair or replace, at his own expense, any damage to said monument occasioned during the moving or resetting and because of construction operations.

AMPS SAME IN ROOT OF ROAD SPANST-SHRT CL 14825

14825	14825	14825	14825
14825	14825	14825	14825
14825	14825	14825	14825
14825	14825	14825	14825

ESTIMATED QUANTITIES	

BOOKINGHAM  
 Surveyed by G. L. LAMM  
 Located by J. J. RANNEY  
 Drawn by E. L. LAMM  
 Traced by E. L. LAMM  
 Checked by  
 Date 10/27/44



For plan, profile, & grade of Main Line survey,  
 See sheet 14 of 151  
 For Cross Sections, see sheets 146 & 147 of 151

