

INDEX OF SHEETS

SHEET NO.	TITLE PAGE
1	TITLE PAGE
2	TYPICAL CROSS-SECTION OF IMPROVEMENT
3	BANKING AND WIDENING TABLES
4-17	PLAN AND PROFILE
18	BRIDGE ABUTMENT DETAILS
19	STANDARD STRUCTURE SHEET
20	S 18-30-H20 BRIDGE DETAILS
21	S 50-1
22	S 28 PIPE CULVERTS
23	S 30 GUARD RAIL
24	S 30A DRAINAGE STRUCTURES
25	S 49-46 GUARD RAIL
26	S 51-48
27	S 52-48
28	S 40 BARRICADES, SIGNS, & LIGHTS
29	S 41 ROUNDING OF SLOPES
29-68	CROSS SECTIONS
19A	STANDARD STRUCTURE SHEET SB20 BRIDGE DETAILS

DOUBLE TACK COAT OF BITUMINOUS MATERIAL WITH PRETREATED PEA STONE SEAL, PRIME COAT OF REFINED TAR AND SEAL COAT OF CUTBACK ASPHALT, ITEM 29C

STATE OF VERMONT

STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FEDERAL PROJECT

TOWN OF HINESBURG VERMONT ROUTE 116

HINESBURG - BRISTOL ROAD

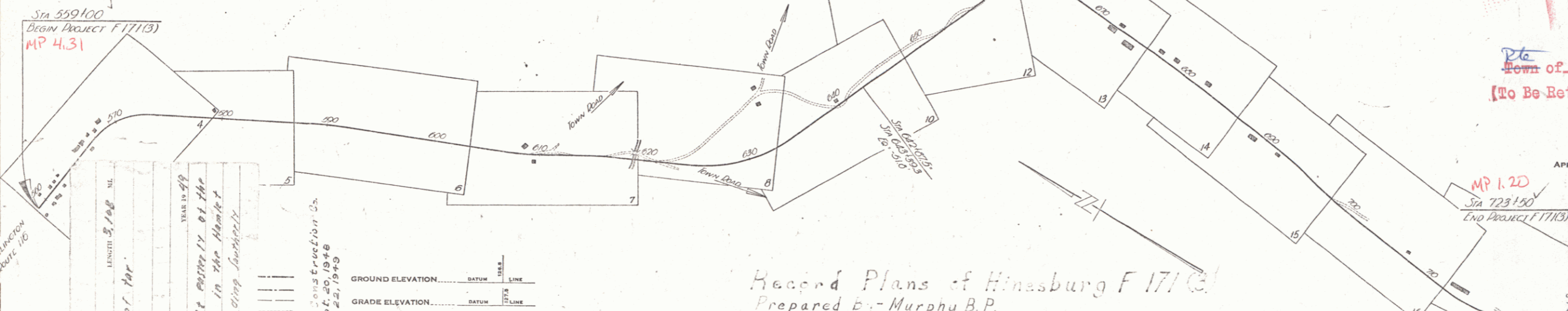
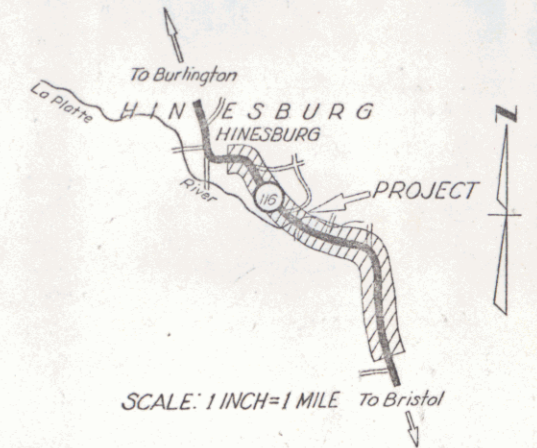
BEGINNING AT A POINT APPROXIMATELY 100 FEET EASTERLY FROM THE HIGH SCHOOL BUILDING IN THE HAMLET OF HINESBURG AND EXTENDING SOUTHERLY 16,412.0 FEET
 LENGTH OF ROADWAY 16,412.0 FEET
 LENGTH OF BRIDGE 49.0 FEET
 LENGTH OF PROJECT 16,412.0 FEET=3.108 MILES

STANDARD STRUCTURE SHEETS APPROVED BY THE CHIEF ENGINEER VERMONT STATE DEPT. OF HIGHWAYS

S-28	APRIL 26, 1941
S-30	NOV. 10, 1947
S-30A	APRIL 19, 1941
S-40	DEC. 18, 1945
S-49-46	JAN. 13, 1947

(To Be Returned To E.O.W. Division)

PERPETUAL
 TOWN OF HINESBURG
 RIGHT-OF-WAY DIVISION



RIGHT-OF-WAY DIVISION
 TOWN OF HINESBURG
 PERPETUAL
 (To Be Returned To E.O.W. Division)

P.N. # OOR 498

APPROVED: 29 June 48
 H.E. August
 COMMISSIONER OF HIGHWAYS

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

Record Plans of Hinesburg F 171 C
 Prepared by - Murphy B.P.
 Resident Engineer - Roland Buley
 Contractor - S.V. Rossi Construction Co.
 Superintendent - Reno Rossi

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.

SCALES

TITLE	1" = 500'
TYPICAL	1" = 2'
PLAN	1" = 50'
PROFILE HORIZONTAL	1" = 50'
PROFILE VERTICAL	1" = 10'
CROSS SECTIONS	1" = 5'

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE PUBLIC ROADS ADMINISTRATION OR THE COMMISSIONER OF HIGHWAYS.
 CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND THE STANDARD ROAD AND BRIDGE SPECIFICATIONS OF 1936 AS APPROVED DECEMBER 29 1936 BY THE PUBLIC ROADS ADMINISTRATION, INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

APPROVED 28 June 48
 HIGHWAY ENGINEER
 APPROVED 29 June 48
 DISTRICT HIGHWAY COMMISSIONER
 SERIES F No. 17(3) FILED
 SHEET 1 OF 68

INDEX OF SHEETS

SHEET NO. 1 TITLE PAGE
 2 TYPICAL CROSS-SECTION OF IMPROVEMENT CRUSHED GRAVEL MIXED-IN-PLACE SURFACE COURSE WITH REFINED TAR, CLASS 0, ITEM 541 AND QUANTITIES.
 3 STANDARD STRUCTURE SHEET S 40 BARRICADES, SIGNS AND LIGHTS

STANDARD STRUCTURE SHEET APPROVED BY THE CHIEF ENGINEER, VERMONT STATE DEPARTMENT OF HIGHWAYS.
 S 40 FEB. 28, 1949

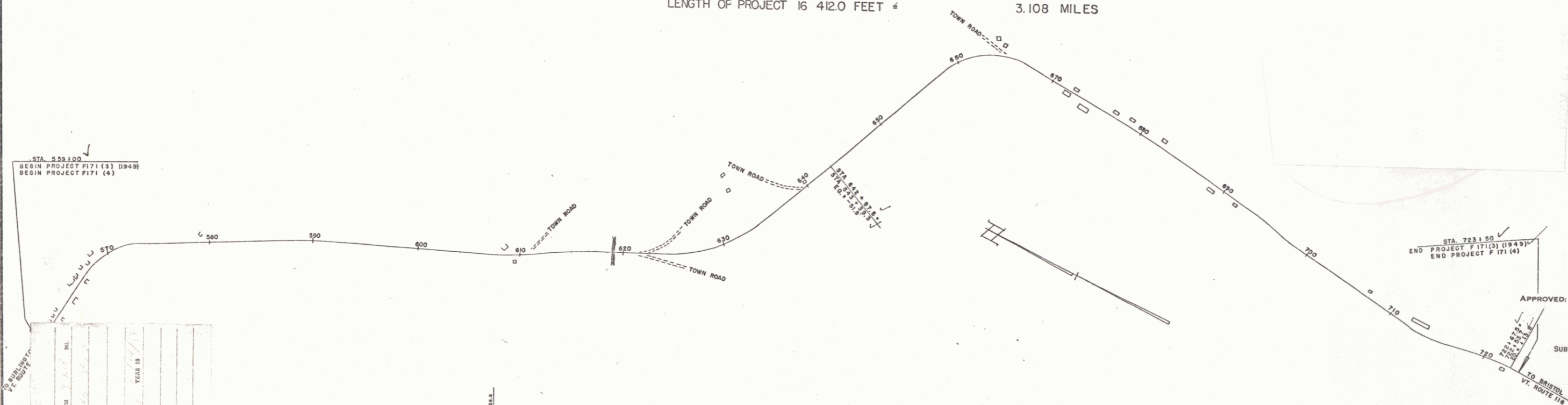
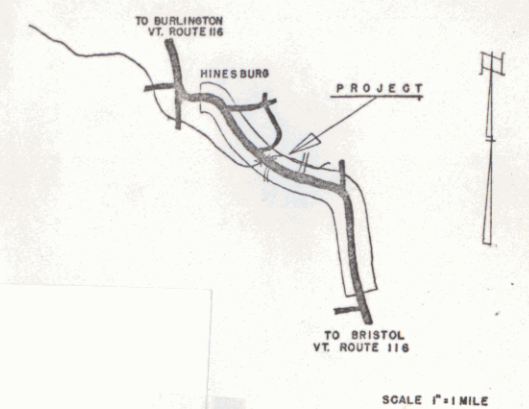
**STATE OF VERMONT
 STATE HIGHWAY DEPARTMENT**

**PLAN AND PROFILE OF PROPOSED
 STATE HIGHWAY**

FEDERAL PROJECT
TOWN OF HINESBURG
 VERMONT ROUTE 116
 HINESBURG-BRISTOL ROAD

BEGINNING AT A POINT APPROXIMATELY 100 FEET EASTERLY FROM THE HIGH SCHOOL BUILDING IN THE HAMLET OF HINESBURG AND EXTENDING SOUTHERLY 16,412.0 FEET.
 LENGTH OF PROJECT 16 412.0 FEET = 3.108 MILES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.				



PROJECT	DATE
SHEET	DATE
TYPE	DATE
CONTRACTOR	DATE
DATE	DATE

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.

HINESBURG F 171 (4)
 CONTR. F. W. WHITCOMB
 RECD PLANS A. ALDRICH
 CONST. COMPLETED 10-14-50

SCALES

TITLE	1" = 500'
TYPICAL	1" = 20'
PLAN	1" = 20'
PROFILE HORIZONTAL	1" = 100'
PROFILE VERTICAL	1" = 10'
CROSS SECTIONS	1" = 10'

PROJECT NAME & NUMBER	TYPE	PAVEMENT AREA
HINESBURG F 171 (4)	MIX-IN-PLACE	36,882 S.Y.
RECORD PLANS		
MATERIALS		
SUB-BASE OF GR. CHAMPLAIN SAND & GRAVEL CO.	CR. GRAVEL CHAMPLAIN SAND & GR. CO., HINESBURG	
GR. SHOULDERS	TAR BARRETT CO. WORCESTER, MASS.	
CONTRACTOR	F. W. WHITCOMB	CONTRACT DATED SEPT. 26 1950
RES. ENGINEER	H. G. GAREIS	CONTRACT STARTED SEPT. 26 1950
INSPECTOR		CONTRACT COMPLETED OCT. 14 1950
RECORD PLANS	A. ALDRICH	CONTRACT ACCEPTED OCT. 14 1950

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER OF HIGHWAYS.
 CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND THE STANDARD ROAD AND BRIDGE SPECIFICATIONS OF 1948, AS APPROVED JULY 25, 1949 BY THE BUREAU OF PUBLIC ROADS INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

APPROVED: *H. E. August*
 JULY 21, 1950
 CHIEF ENGINEER
 SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

APPROVED: *A. Aldrich* JULY 21, 1950
 DISTRICT HIGHWAY ENGINEER

APPROVED: *M. W. Harkness* July 25, 1950
 DISTRICT HIGHWAY COMMISSIONER

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER

APPROVED

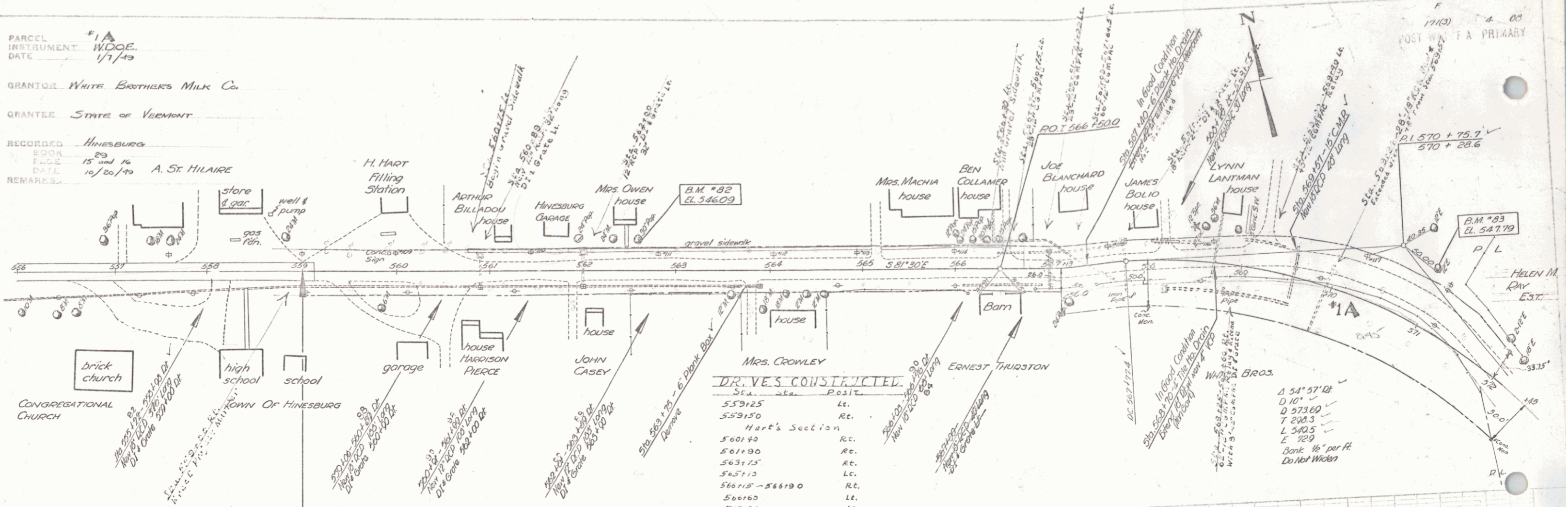
DIVISION ENGINEER DATE

SERIES F No. 171(4) FILED
 SHEET 1A OF 3

PARCEL #1A
 INSTRUMENT W.D.O.E.
 DATE 1/7/19

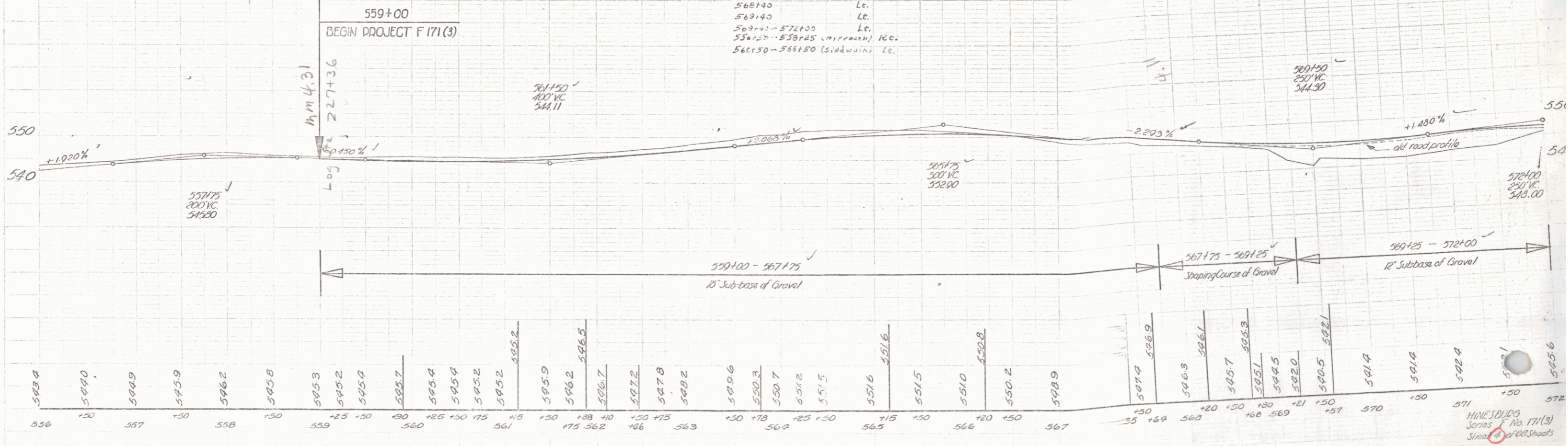
GRANTOR White Brothers Milk Co.
 GRANTEE State of Vermont

RECORDED Hinesburg
 BOOK 29
 PAGE 15 and 16
 DATE 10/20/19
 REMARKS A. St. HILAIRE



DR. VES. CONSTRUCTED

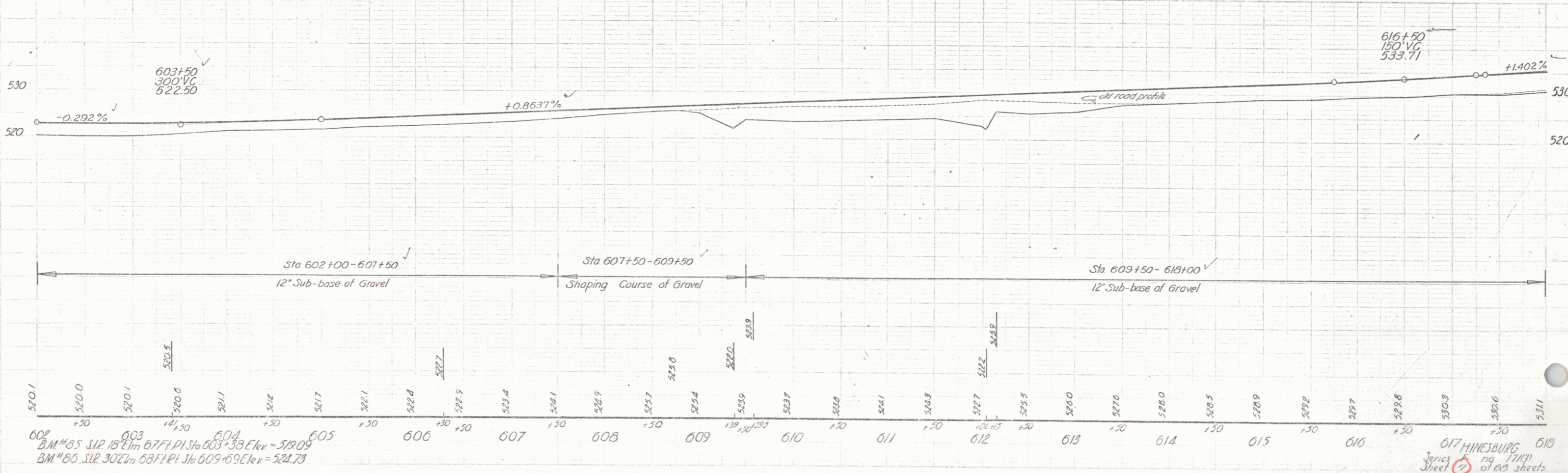
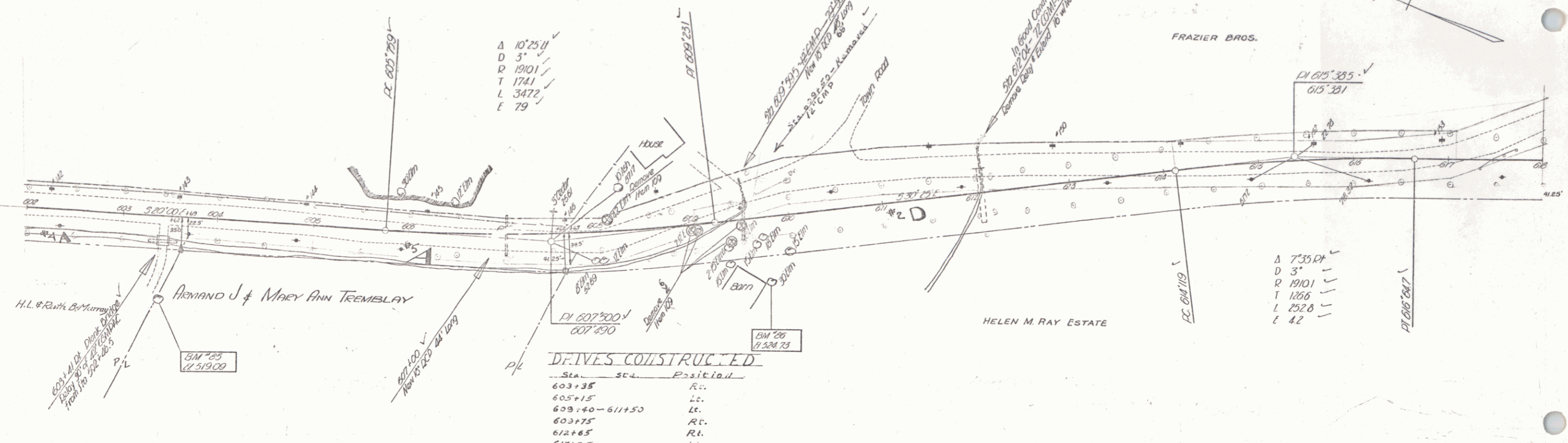
Sta.	Posit.
559+25	Lt.
559+50	Rt.
Hart's Section	
560+40	Rt.
561+90	Rt.
563+75	Rt.
565+10	Lt.
566+15 - 566+90	Rt.
566+60	Lt.
567+00	Lt.
568+40	Lt.
569+40	Lt.
569+75 - 570+00	Lt.
570+25 - 570+25 (Impassable)	Rt.
566+50 - 566+50 (Sidewalk)	Lt.



HINESBURG
 SERIES F No. 171(3)
 Street A of 1922 Sheets

PARCEL INSTRUMENT DATE GRANTOR GRANTEE RECORDED HINESBURG REMARKS
 #5 A&B W.D. 9-16-48 ARMAND J. & MARY ANN ST. OF VT. BOOK PAGE DATE
 TREMBLAY 28 514 10-5-48 SEE SHEET 16

POST WAR F A PRIMARY



Spaulding 1947
Kerr 1948

Spaulding 1946
Austin 1946

602 B.M. #85 SUR 18' E 1m 677.1 P.I. Sta 603+38 Elev = 519.09
 B.M. #86 SUR 302' E 1m 687.1 P.I. Sta 609+69 Elev = 524.73

617 HINESBURG
 Series 17(13)
 Sheet 17 of 23 sheets

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	Vt.	171(3)		8	68

POST WAR F.A. PRIMARY

DRIVES CONSTRUCTED

Sta.	Sta.	Position
620+40		Rt.
621+00	623+50	Lt.
622+25		Rt.
623+50	624+00	Lt.

Bridge Not Constructed
Due To Change In Design
See Sheet 9 of 68 Sheets

HELEN M. RAY, EST.

Stone cut-off wall 3'-0" thick to bott. of Riprap.
Stone in cut-off wall shall be paid for, and meet requirements of Specifications for Item 60-Riprap for Bank Prot.(H).

Sta. 619+07 Bridge Ends
Exp. End Pin on 536.20

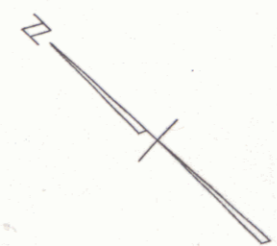
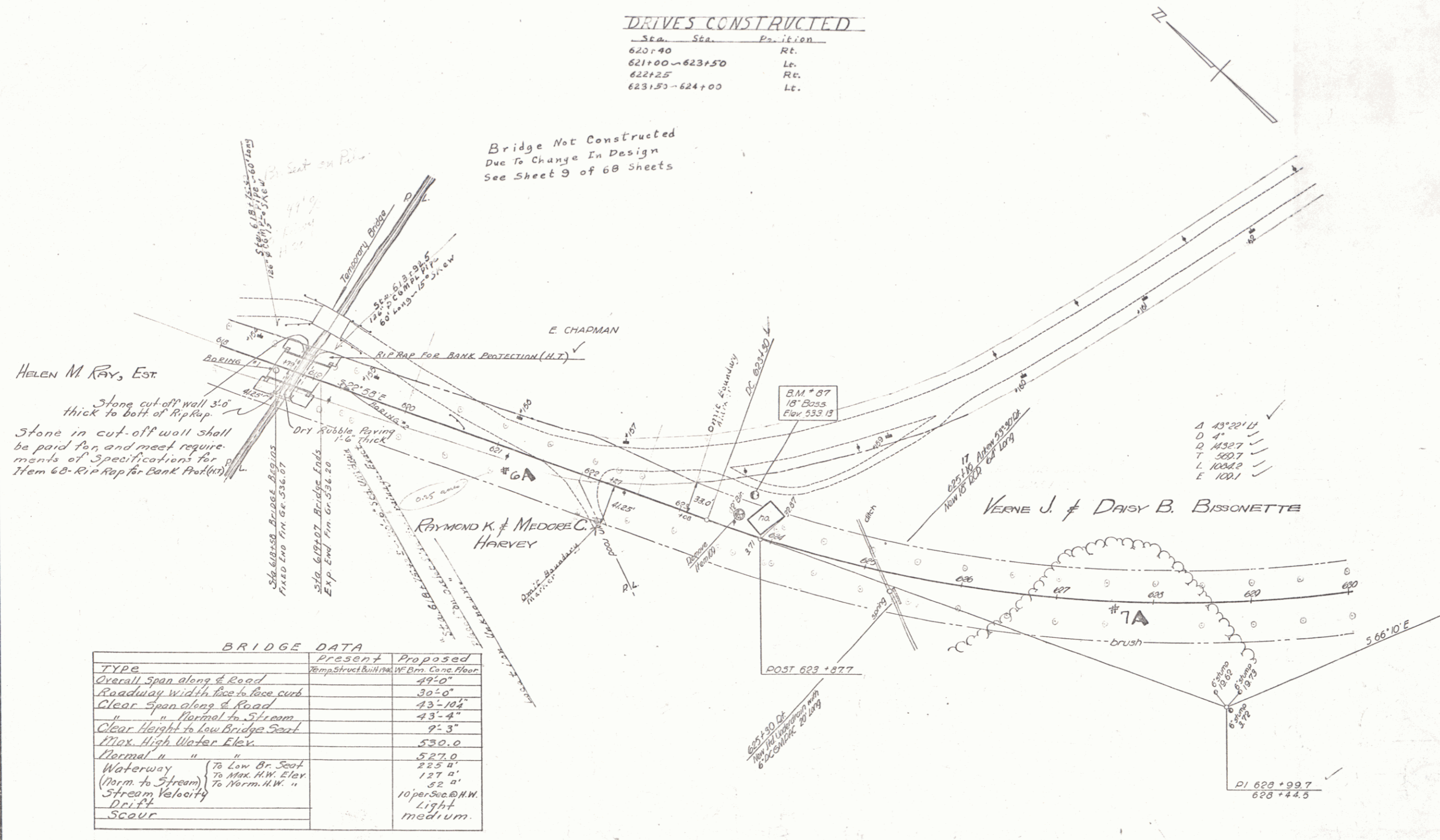
Sta. 619+07 Bridge Begins
Fixed End Pin on 536.67

RAYMOND K. & MEDORE C. HARVEY

VERNE J. & DAISY B. BISSONNETTE

BRIDGE DATA

TYPE	Present	Proposed
Overall Span along Road	Temp. Struct. built on W. Am. Concrete Floor	49'-0"
Roadway width face to face curb		30'-0"
Clear span along Road		43'-10"
" " Normal to Stream		43'-4"
Clear Height to low Bridge Seat		9'-3"
Max. High Water Elev.		530.0
Normal " " "		527.0
Waterway (Norm. to Stream)	To Low Br. Seat	225.4
	To Max. H.W. Elev.	127.4
Stream Velocity	To Norm. H.W. "	52.0
Drift		10 per Sec. @ H.W.
Scour		Light medium



- Δ 43°20'11"
- D 4'
- D 14327
- L 5897
- L 10042
- E 1001

HINESBURG

Surveyed by Spaulding
Designed by Spaulding & Pagar
Drawn by Jones
Traced by Jones
Checked by Jones
Series F No. 171(3) Filed
Sheet 8 of 68 Sheets

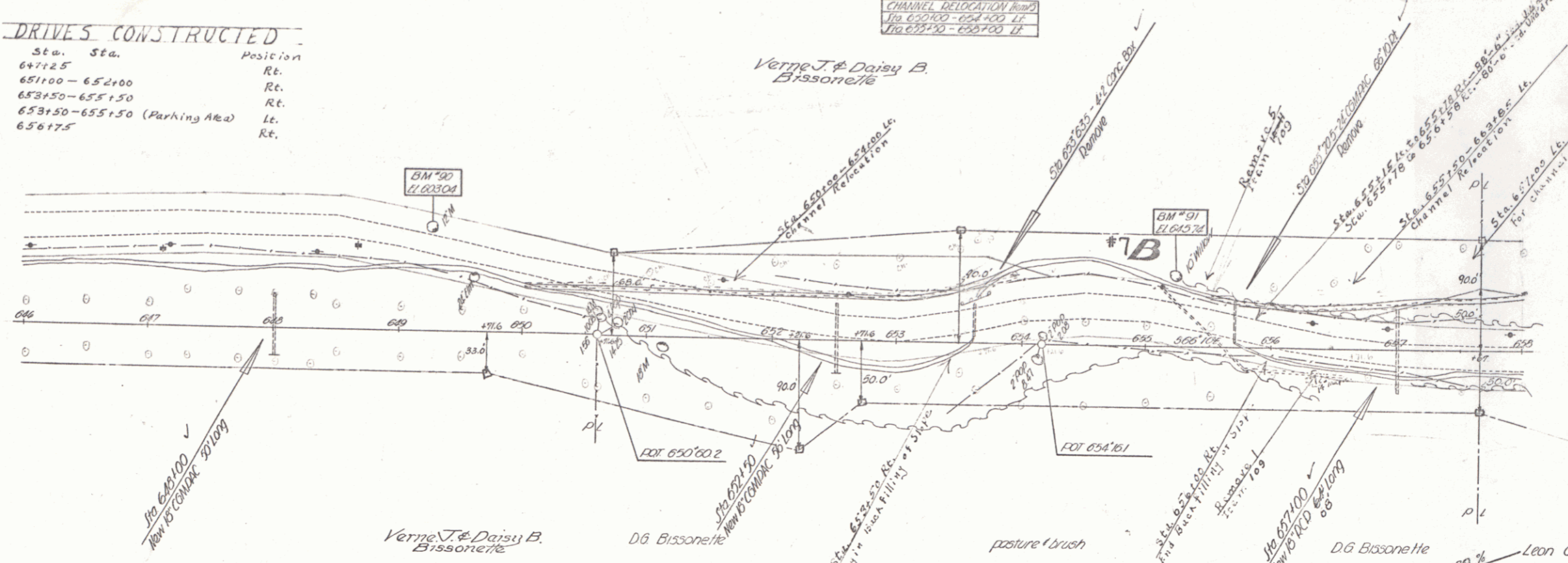
DRIVES CONSTRUCTED

Sta.	Sta.	Position
647+25		Rt.
651+00	652+00	Rt.
653+50	655+50	Rt.
653+50	655+50	Left (Parking Area)
656+75		Rt.

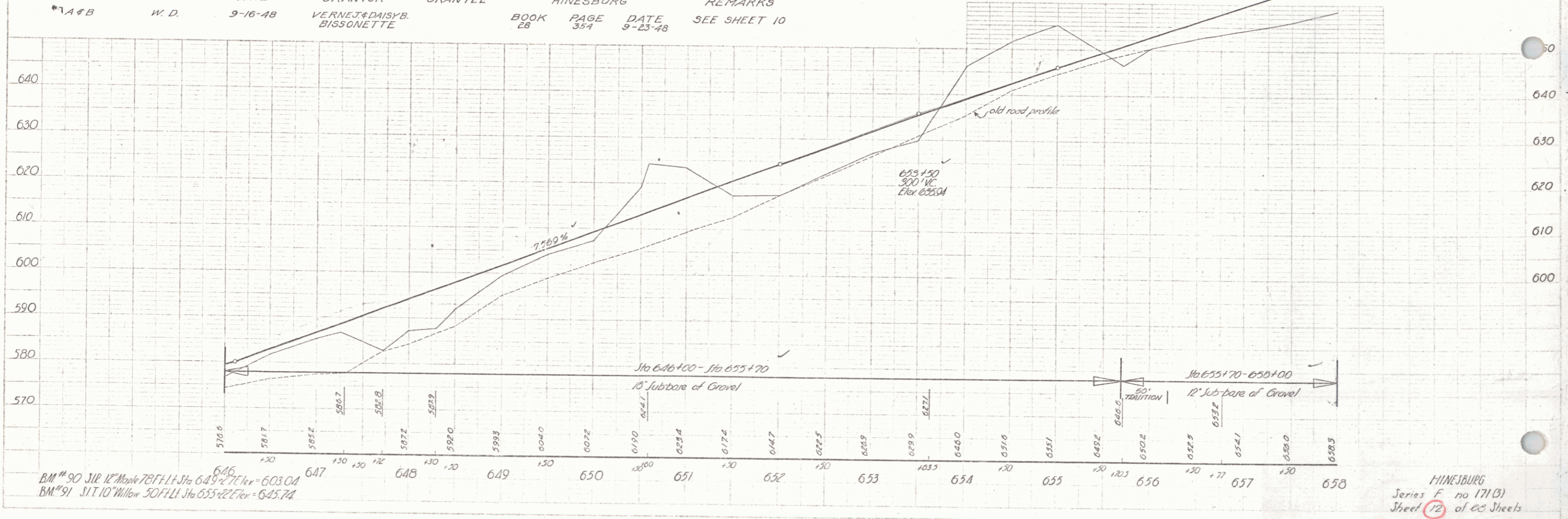
CHANNEL DELOCATION Map
 To 650+00 - 654+00 Lt.
 To 657+50 - 657+00 Lt.

PLAN
 DATE 12/10/48
 DRAWN BY [illegible]
 CHECKED BY [illegible]

PROFILE
 DATE 12/10/48
 DRAWN BY [illegible]
 CHECKED BY [illegible]

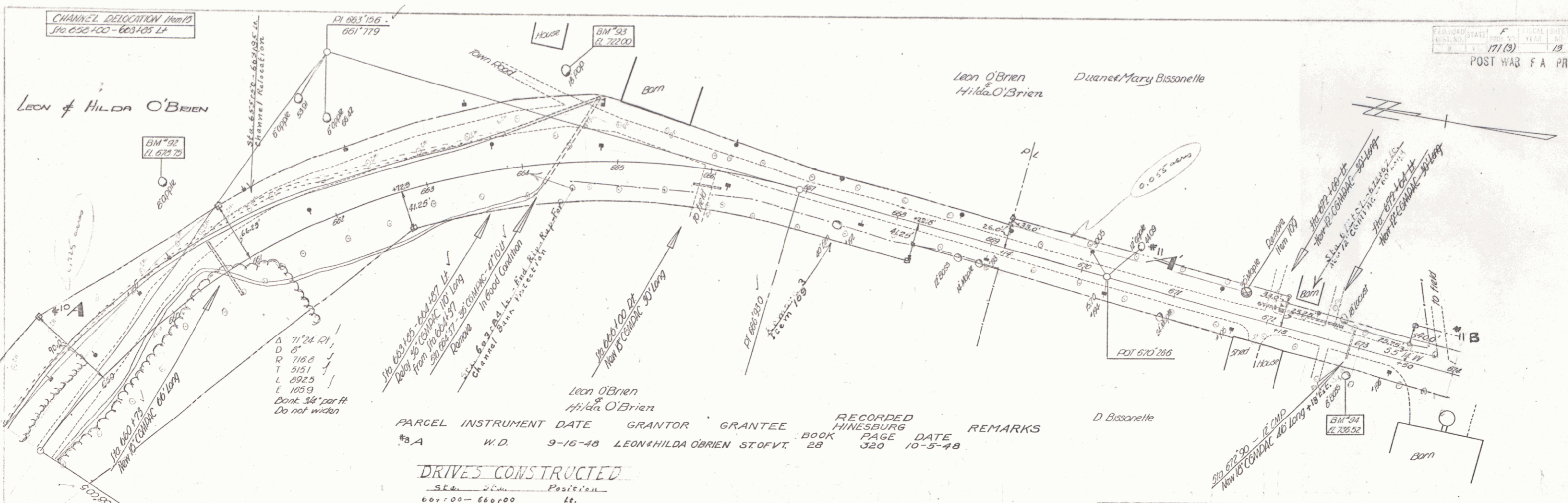


PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED HINESBURG	REMARKS
A & B	W. D.	9-16-48	VERNE J. & DAISY B. BISSONETTE		BOOK 28 PAGE 334 DATE 9-23-48	SEE SHEET 10



BM #90 J.T. 12" Willow 787 ft. Sta 649+27 Elev = 603.04
 BM #91 J.T. 10" Willow 507 ft. Sta 653+27 Elev = 645.74

HINESBURG
 Series F no 171(B)
 Sheet 12 of 68 Sheets



FEDERAL ROAD DIST. NO. 171(B) LOCAL DIST. NO. 13 60 POST WAR F.A. PRIMARY

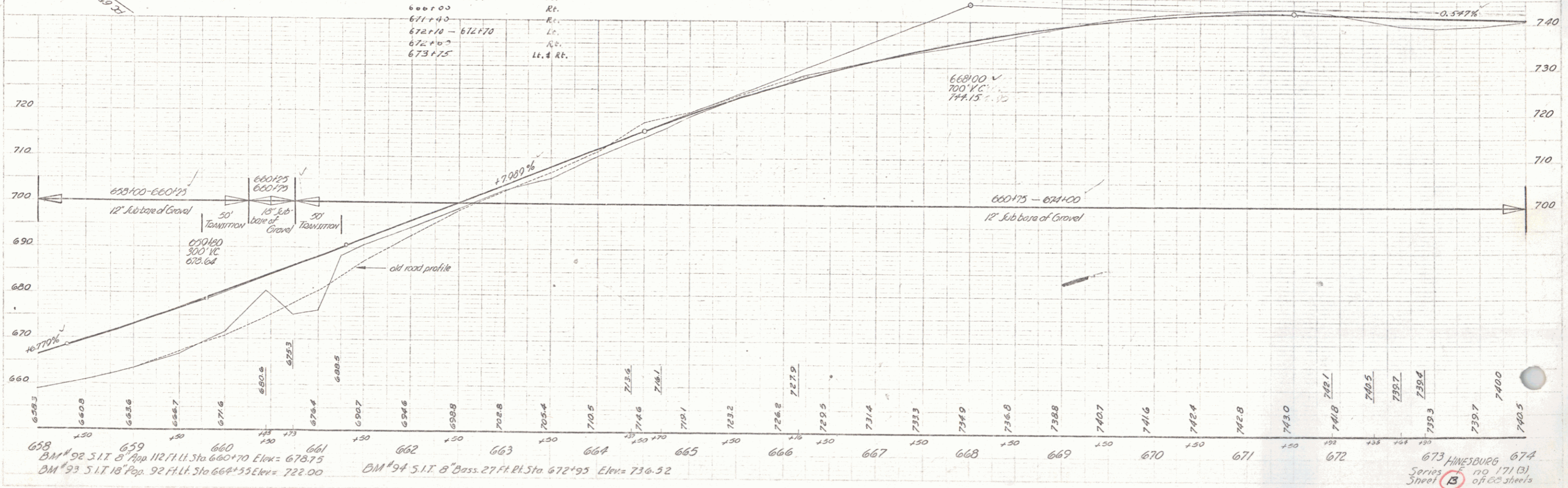
Spaulding 1937 Paper 1945

Spaulding 1937 Paper 1945

PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	BOOK	PAGE	DATE	REMARKS
8A	W.D.	9-16-48	LEON & HILDA O'BRIEN	STOFVT.	HINESBURG	28	320	10-5-48	

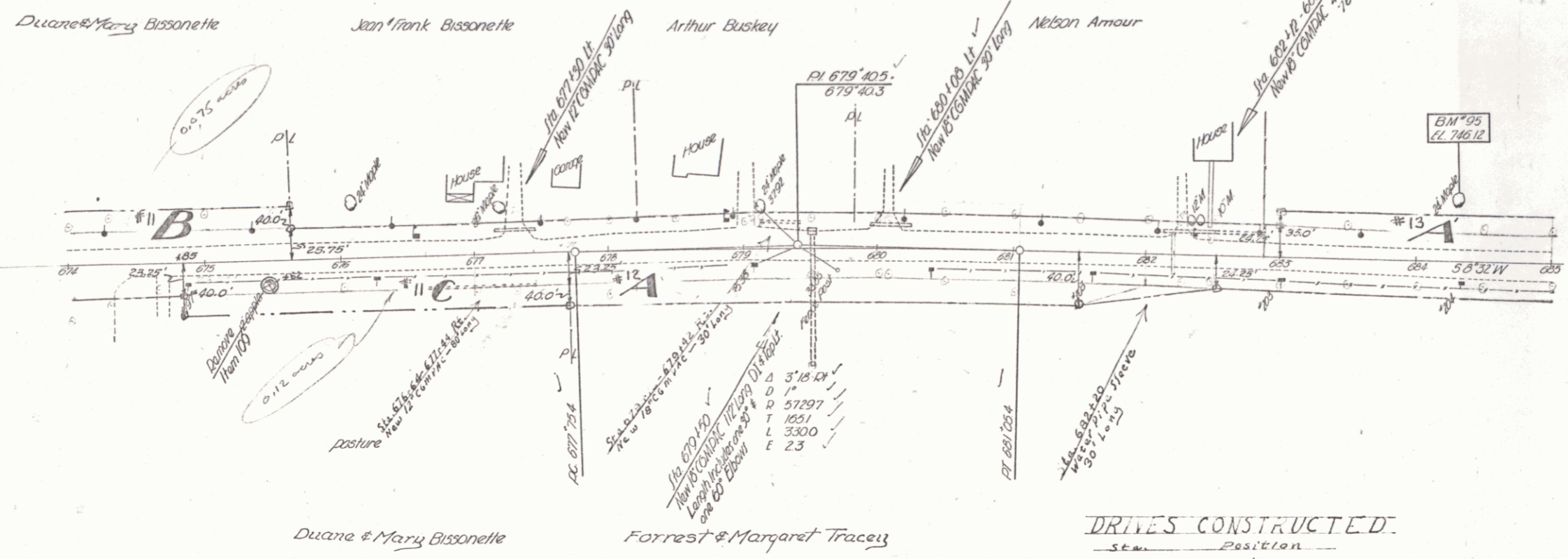
DRIVES CONSTRUCTED

Sta.	Position
661+00 - 666+00	Lt.
666+00	Rt.
671+40	Rt.
672+10 - 672+70	Lt.
672+10	Rt.
673+75	Lt. & Rt.



658 BM 92 S.I.T. 8' App. 112.71 ft. Sta. 660+70 Elev. = 678.75
 BM 93 S.I.T. 18' Pop. 92 Ft. Lt. Sta. 662+35 Elev. = 722.00
 BM 94 S.I.T. 8' Bass. 27 Ft. Rt. Sta. 672+95 Elev. = 736.52

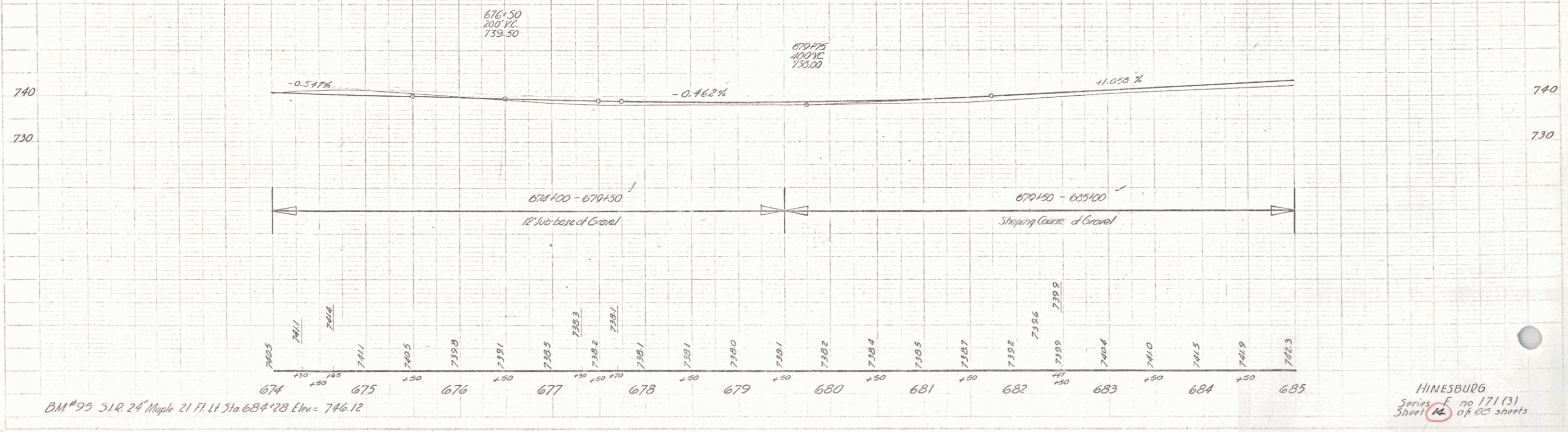
673 HINESBURG 674
 Series 171(B)
 Sheet B of 62 sheets



PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED HINESBURG BOOK	PAGE	DATE	REMARKS
#9 A, B, C	W. D.	9-16-48	DUANE & MARY BISSONETTE	ST. OF VT.	28	571	9-23-48	
#11 A	W. D.	9-16-48	NELSON AMOUR	ST. OF VT.	28	318	9-23-48	
#10 A, B	W. D.	9-16-48	FORREST & MARGARET TRACEY	ST. OF VT.	28	352	10-5-48	

DRIVES CONSTRUCTED:

Stn.	Position
677+30	Lt.
679+25	Lt.
680+20	Lt.
682+25	Lt.



BM #95 S.R. 24" Maple 21 Ft. H Sta 684+28 Elev = 746.12

HINESBURG Series F no 171(3) Sheet 14 of 23 sheets

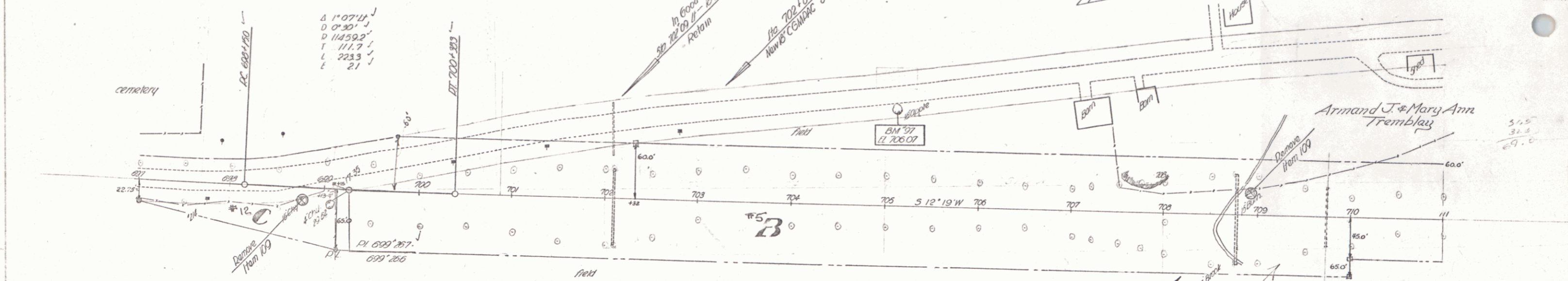
Spaulding Paper 1948

Spaulding Paper 1948

PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
#5 A (Sheet 7) & B	W.D.	9-16-48	ARMAND & MARY ANN TREMBLAY	ST. OF VT.	HINESBURG BOOK 28 PAGE 374	DATE 10-5-48

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	Vt.	171(3)		10	68

POST WAR F.A. PRIMARY

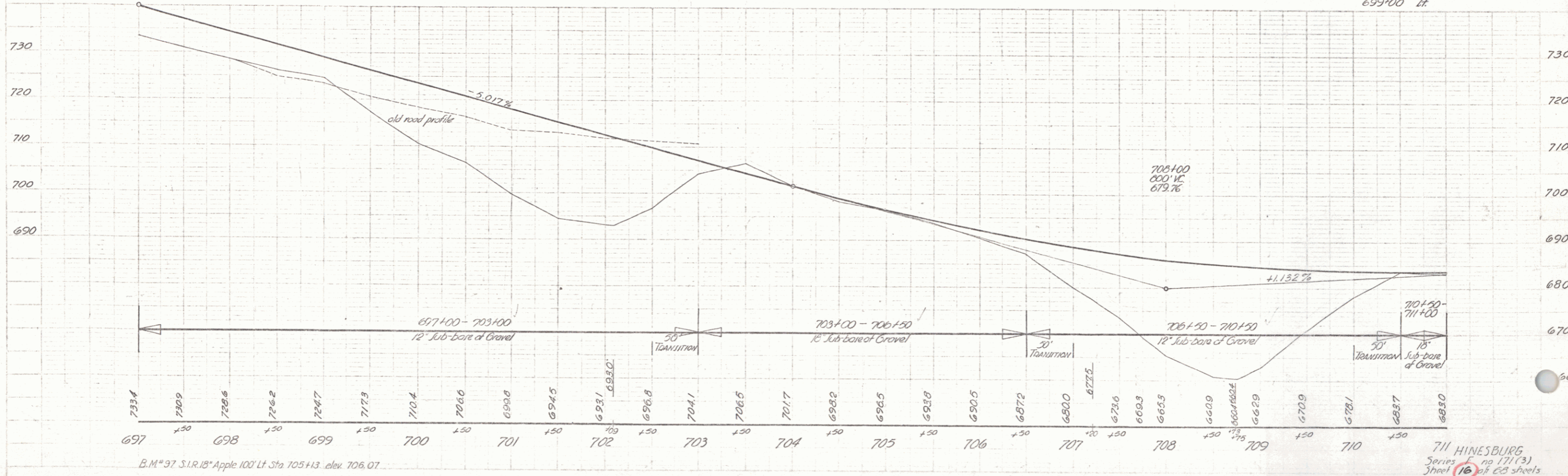


FOREST
TRACEY
&
MARGARET
TRACEY

Armand & Mary Ann
Tremblay

Section of Highway Extension Series No. 700+00 (60 ft) Drives Constructed
 and Series No. 710+50 (10 ft) to
 Town of Hinesburg Recorded Book 1 pgs. 153, only 206 98 ft 50' - 699+50 (Approach) Lt.
 702+75 Lt.
 703+20 R.C.

Construct Side
Road Approach
Sta. 699+00 Lt.

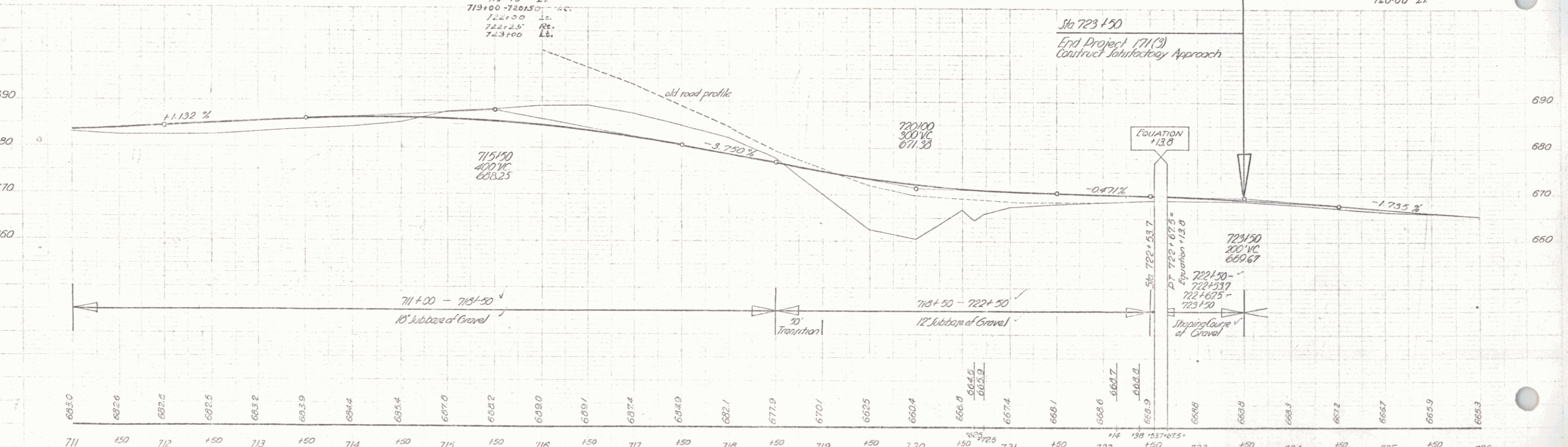
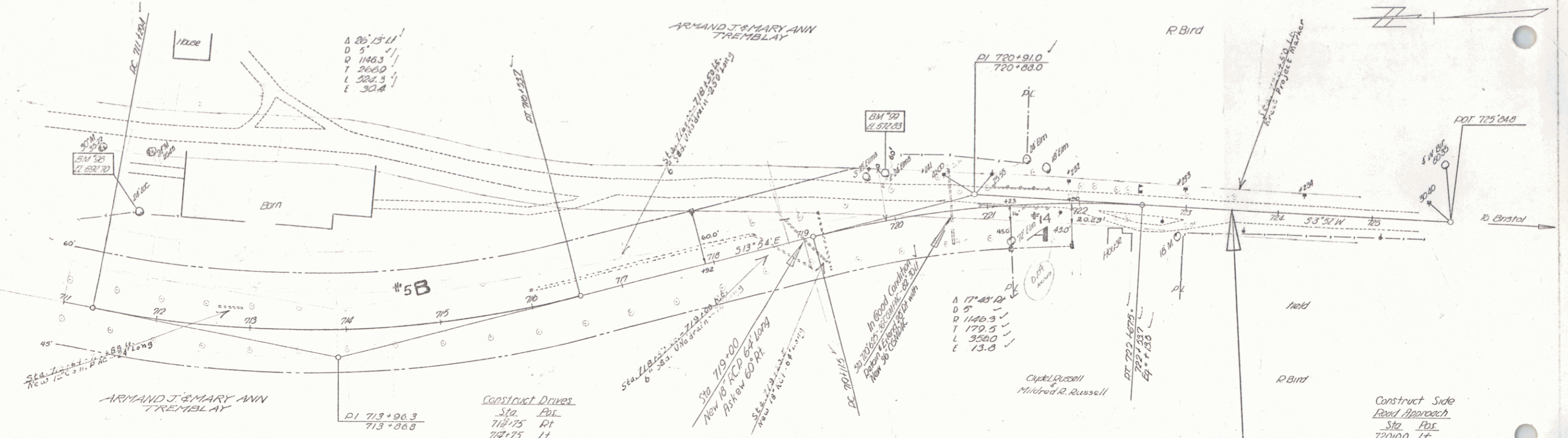


B.M. #97 S.I.R. 18" Apple 100' Lt. Sta. 705+13. elev. 706.07

711 HINESBURG
Series no. 171(3)
Sheet 16 of 68 sheets

PARCEL INSTRUMENT DATE GRANTOR GRANTEE RECORDED HINESBURG REMARKS
 #2A W.D. 9-29-48 CLYDE L. MILDRED R. ST. OF VT. BOOK PAGE DATE 28 220 10-5-48

FISCAL SHEET TOTAL
 DIST. NO. STATE PROJ. NO. YEAR NO. SHEETS
 121(0) 17 60
 POST WAR F A PRIMARY



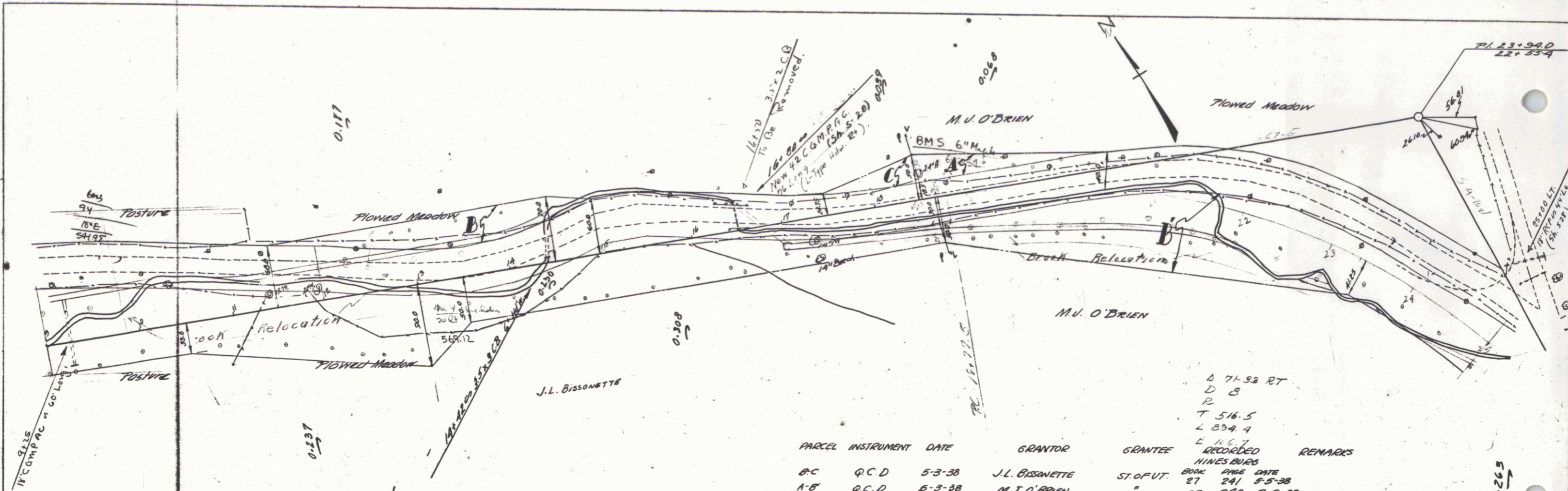
711 150 712 +50 713 150 714 150 715 150 716 150 717 150 718 150 719 150 720 150 721 150 722 150 723 150 724 150 725 150 726

B.M. # 35 S.I.T. 24' Locust 108 Ft. Lt. Sta. 711+62 Elev. 692.70
 B.M. # 99 S.I.T. 24' Elm 46 Ft. Lt. Sta. 719+97 Elev. 672.83

HINESBURG Series No. 171(3) Sheet 17 of 60 Sheets

PLAN
 DRAWN BY: []
 CHECKED BY: []
 DATE: []

PROFILE
 DRAWN BY: []
 CHECKED BY: []
 DATE: []



PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
B-C	Q.C.D.	5-3-38	J.L. BISSONNETTE	ST. OF U.T.	BOOK 27 PAGE 241	5-5-38
A-B	Q.C.D.	5-3-38	M.J. O'BRIEN	"	27 240	5-5-38

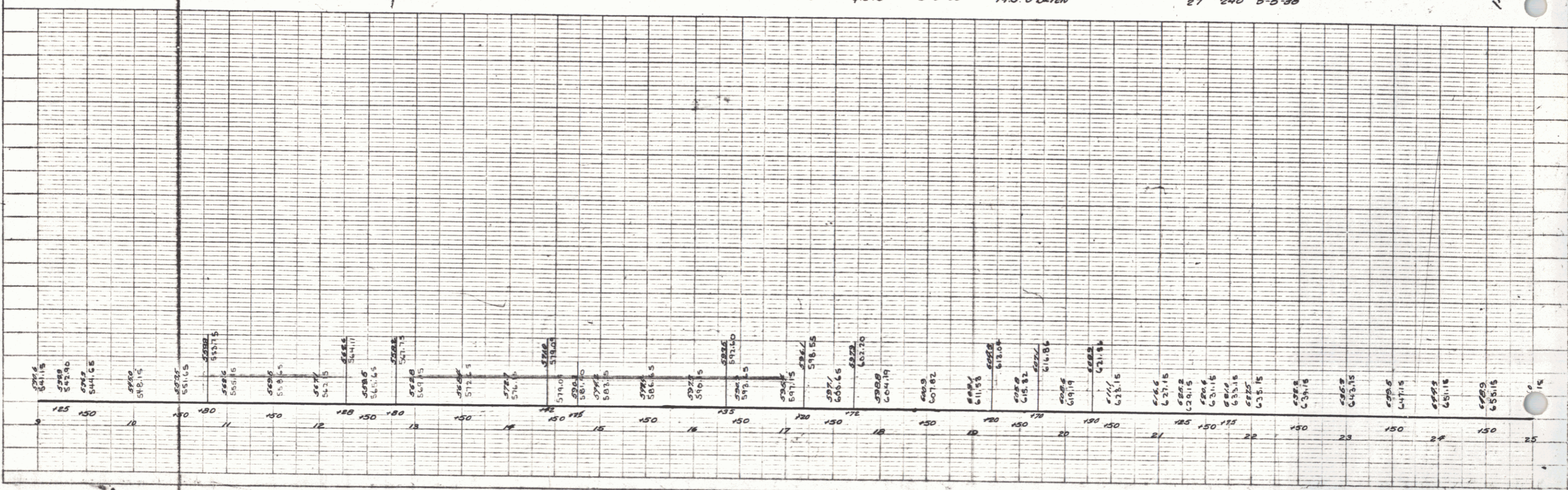
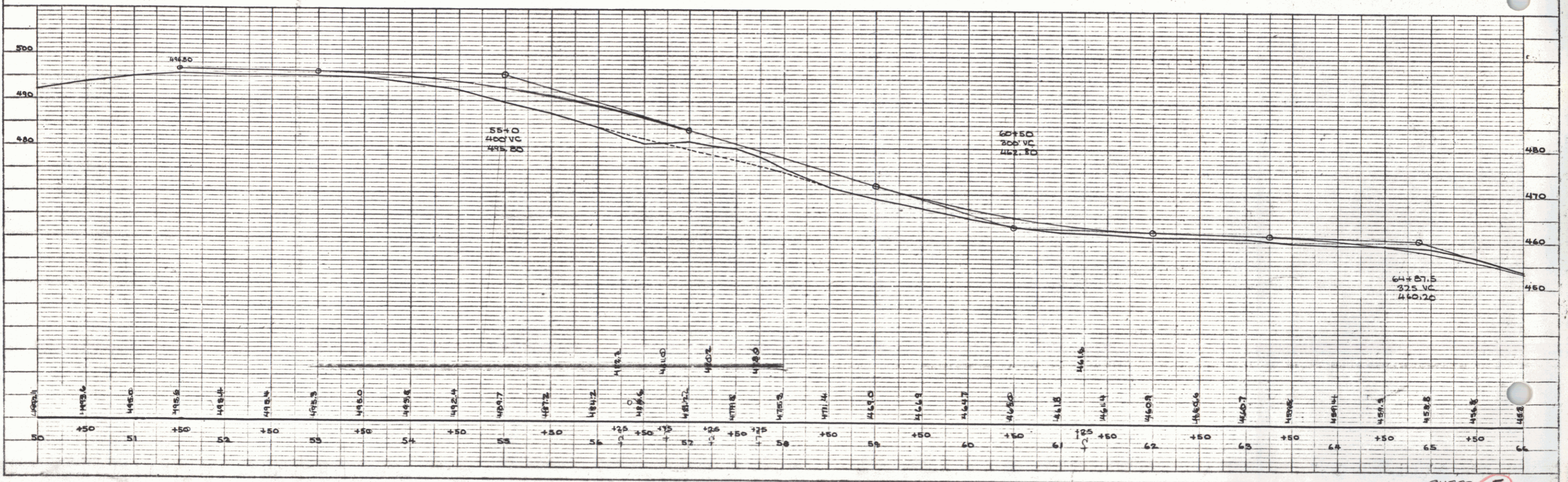
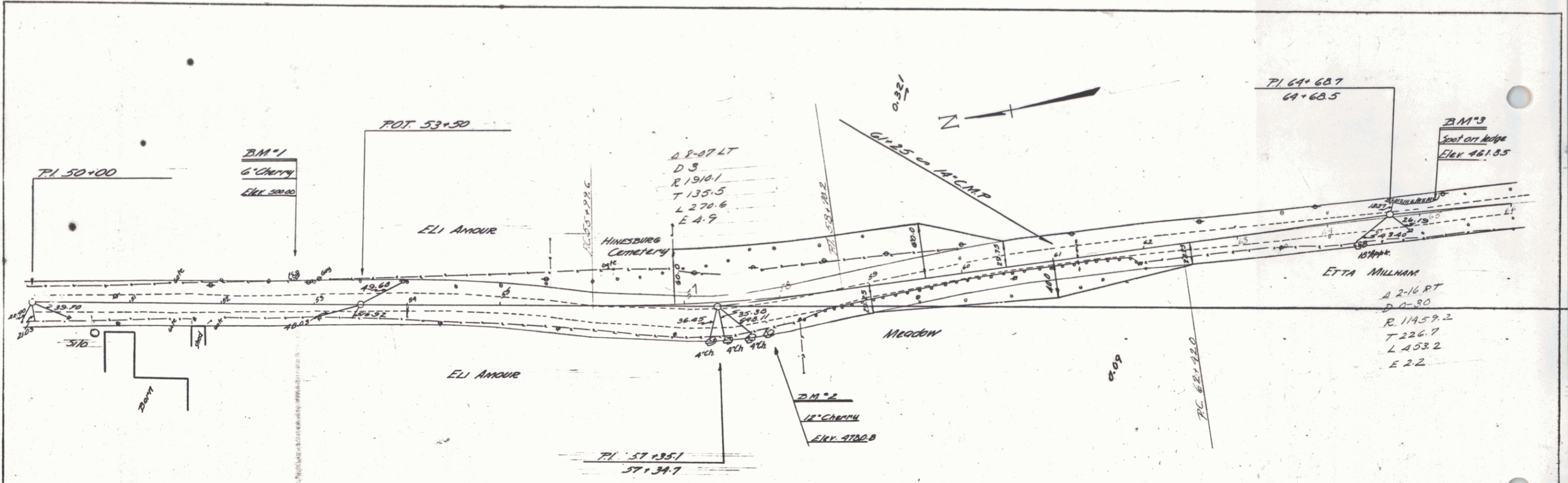


PLATE - PLAN PROFILE - P.A. & L. BRIDGE
 ROUTE 4 & 5000 N.Y. ROAD

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 IN CHARGE: _____
 PROJECT: _____
 SHEET NO.: _____

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 IN CHARGE: _____
 PROJECT: _____
 SHEET NO.: _____



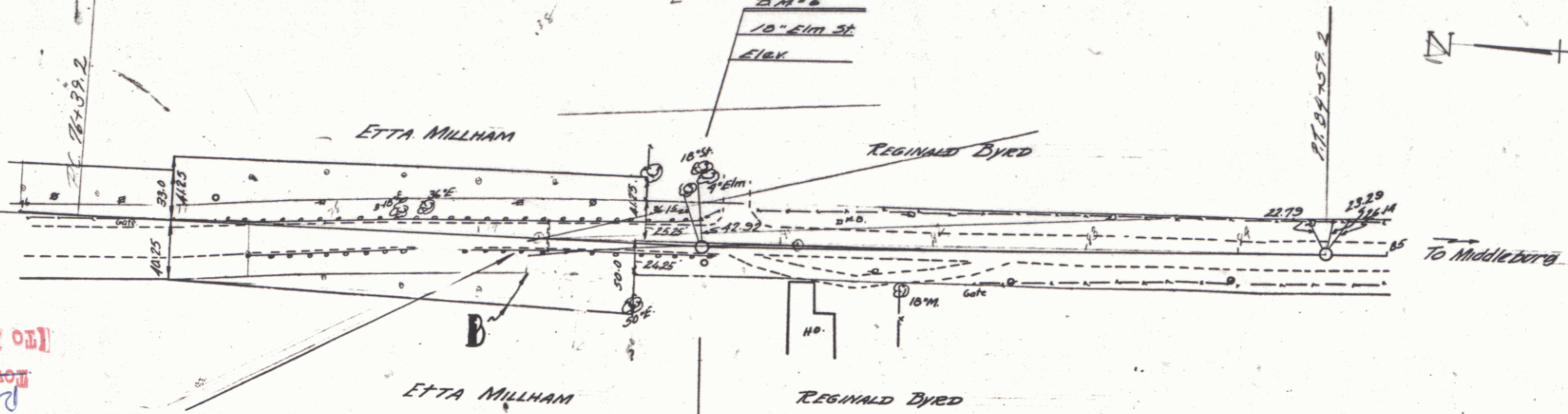
PLAN
 CONTROLLED BY
 REGISTERED PROFESSIONAL ENGINEER
 NO. 1116
 STATE OF VERMONT
 (To Be Returned to R.O.W. Division)

RIGHT-OF-WAY DIVISION
 TOWN FILE
 PERPETUAL
 Town of VT 116
 MP 1.20 - 4.31

Sec
 F173(3)

A 2-03 LT
 D 0-15
 R 410.1
 L 820.0
 E

2.11%
 10'-5 1/2" ST
 ELEV



PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED
8	Q.C.D.	7-2-38	ETTA M. MILLHAM	ST. OF VT	HINES BUREAU BOOK 27 PAGE 245 DATE 7-5-38

71.00 + 43.3
 80 + 43.7

PROFILE
 CONTROLLED BY
 REGISTERED PROFESSIONAL ENGINEER
 NO. 1116
 STATE OF VERMONT

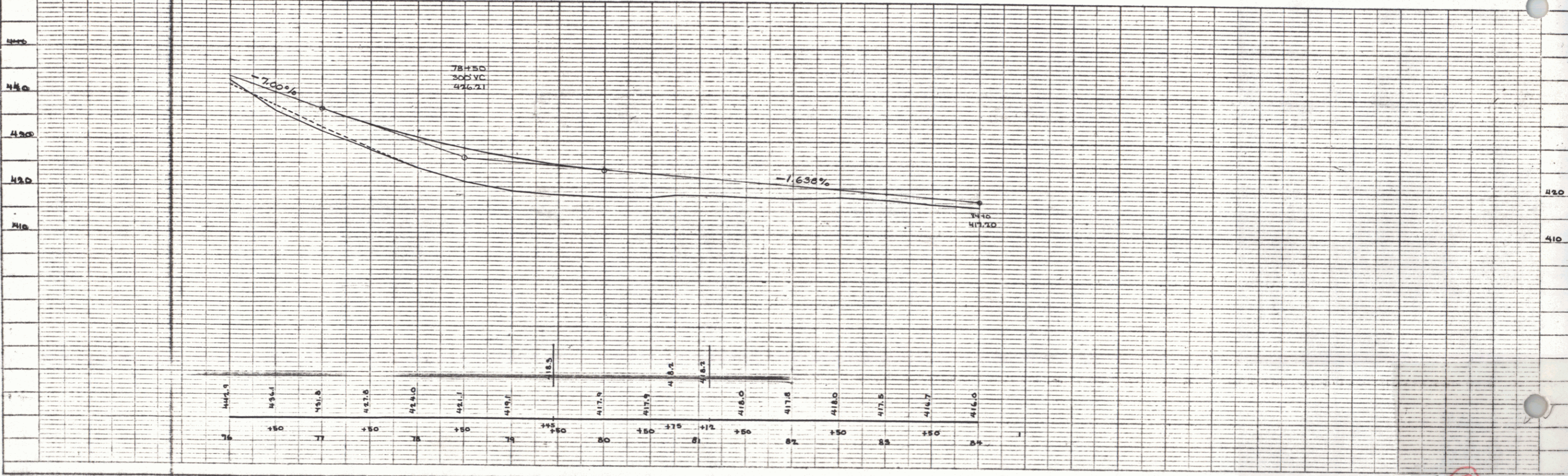


PLATE 1 - PLAN & PROFILE - C.A. & H.C. SHAW
 CIVIL & ELECTRICAL ENGINEERS

SHEET 7