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292A	TYPICAL CROSS-SECTION OF IMPROVEMENT (DOUBLE TACK COAT OF BITUMINOUS MATERIAL WITH PRETREATED PEA STONE SEAL, PRIME COAT OF REFINED TAR AND SEAL COAT OF CUTBACK ASPHALT, ITEM 29C)		
3	BANKING AND WIDENING TABLES		
4-17	PLAN AND PROFILE		
18-21	DETAILS OF BRIDGE AT STA-162+59		
22	STANDARD STRUCTURE SHEET	SB 5C1	BRIDGE STANDARD
23		SB II	BRIDGE STANDARD
24		SB 20	BRIDGE STANDARD
25		S 28	PIPE CULVERTS
26		S 30	GUARD RAIL
27		S 30A	BOUNDARY MARKERS
28		S 40	BARRICADES, SIGNS & LIGHTS
29		S 41	TYPICAL GRADING

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

S 28 APRIL 26, 1941
S 30 NOV. 10, 1947
S 30A APRIL 19, 1941
S 40 DEC. 18, 1945

STATE OF VERMONT STATE HIGHWAY DEPARTMENT

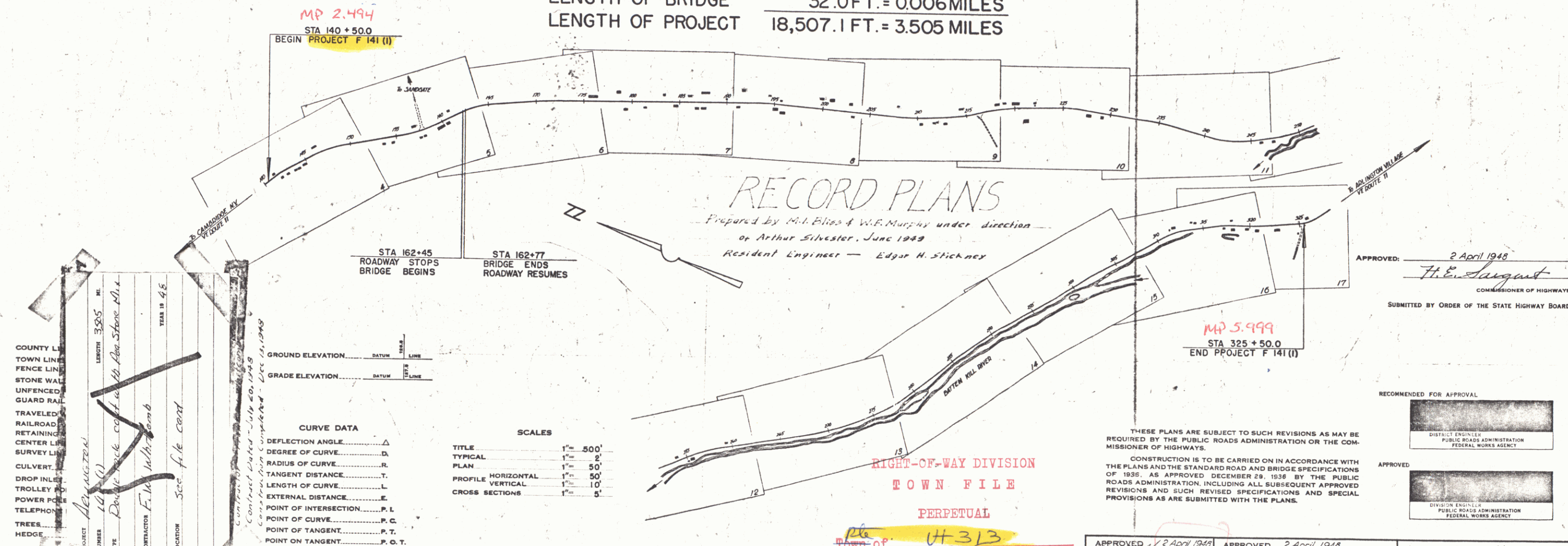
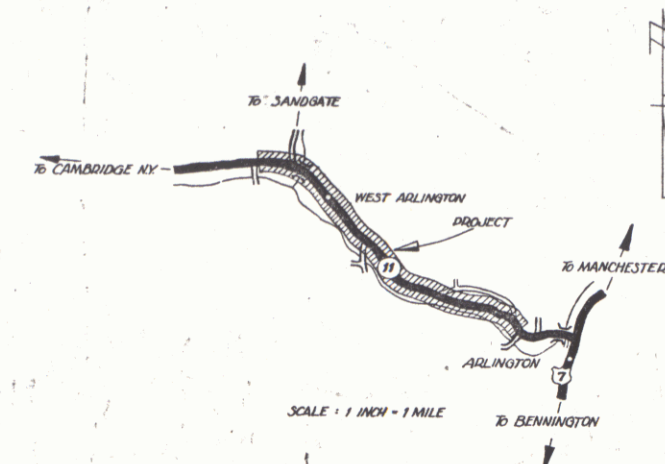
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FEDERAL PROJECT

TOWN OF ARLINGTON Pin# 99R676
VERMONT ROUTE 11

ARLINGTON, VT. — CAMBRIDGE, N.Y. ROAD
BEGINNING AT A POINT APPROXIMATELY 1725 FT. WESTERLY FROM THE INTERSECTION
OF VT. ROUTE 11 AND THE STATE AID ROAD TO SANDGATE (TOWN NO.3) AND EXTENDING SOUTHEASTERLY 18,507.1 FT.

LENGTH OF ROADWAY 18,475.1 FT. = 3.499 MILES
LENGTH OF BRIDGE 32.0 FT. = 0.006 MILES
LENGTH OF PROJECT 18,507.1 FT. = 3.505 MILES



COUNTY LINE	TOWN LINE	LENGTH	YEAR
16	16	3.95	45
17	17	3.95	45
18	18	3.95	45
19	19	3.95	45
20	20	3.95	45
21	21	3.95	45
22	22	3.95	45
23	23	3.95	45
24	24	3.95	45
25	25	3.95	45
26	26	3.95	45
27	27	3.95	45
28	28	3.95	45
29	29	3.95	45
30	30	3.95	45
31	31	3.95	45
32	32	3.95	45
33	33	3.95	45
34	34	3.95	45
35	35	3.95	45
36	36	3.95	45
37	37	3.95	45
38	38	3.95	45
39	39	3.95	45
40	40	3.95	45
41	41	3.95	45
42	42	3.95	45
43	43	3.95	45
44	44	3.95	45
45	45	3.95	45

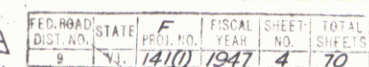
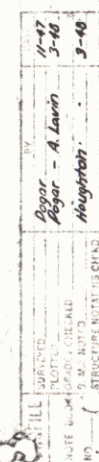
CURVE DATA	
DEFLECTION ANGLE.....	Δ
DEGREE OF CURVE.....	D
RADIUS OF CURVE.....	R
TANGENT DISTANCE.....	T
LENGTH OF CURVE.....	L
EXTERNAL DISTANCE.....	E
POINT OF INTERSECTION.....	P. I.
POINT OF CURVE.....	P. C.
POINT OF TANGENT.....	P. T.
POINT ON TANGENT.....	P. O. T.

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

RIGHT-OF-WAY DIVISION
TOWN FILE
PERPETUAL
TOWN OF VT 313
(To Be Returned To R.O.W. Division)

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE
REQUIRED BY THE PUBLIC ROADS ADMINISTRATION OR THE COM-
MISSIONER OF HIGHWAYS.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH
THE PLANS AND THE STANDARD ROAD AND BRIDGE SPECIFICATIONS
OF 1935, 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 2 April 1948 C. H. Heston HIGHWAY ENGINEER	APPROVED 2 April 1948 DISTRICT HIGHWAY COMMISSIONER	SERIES F No. 141(1) FILED SHEET 1 OF 70
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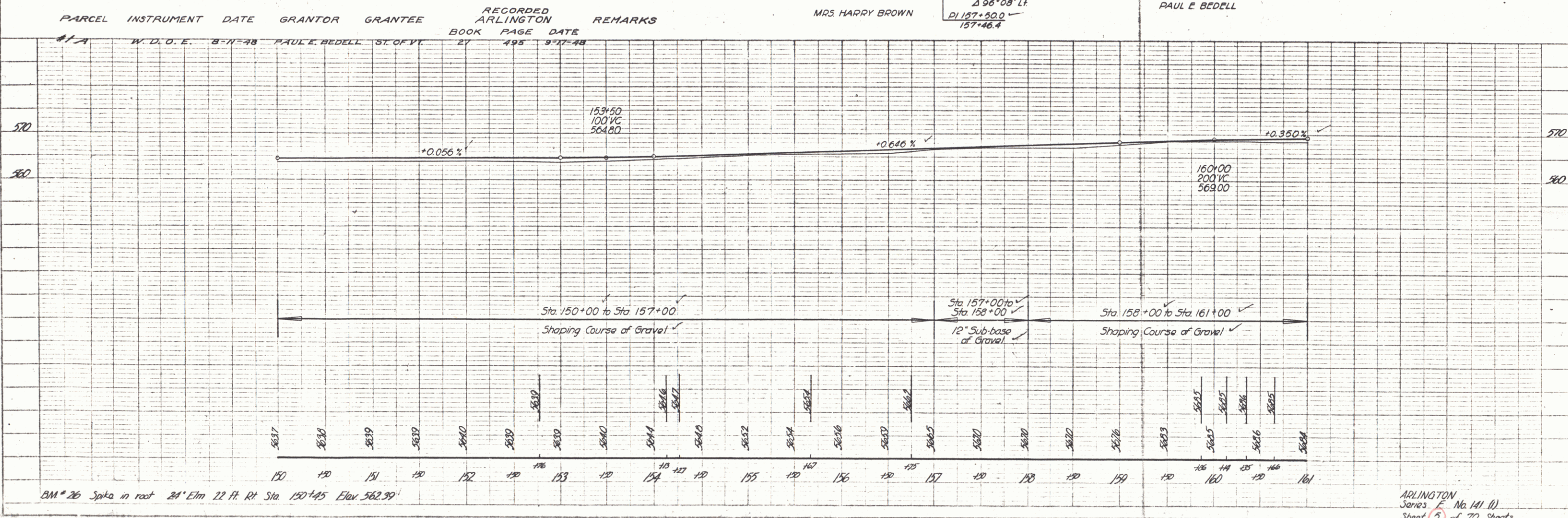
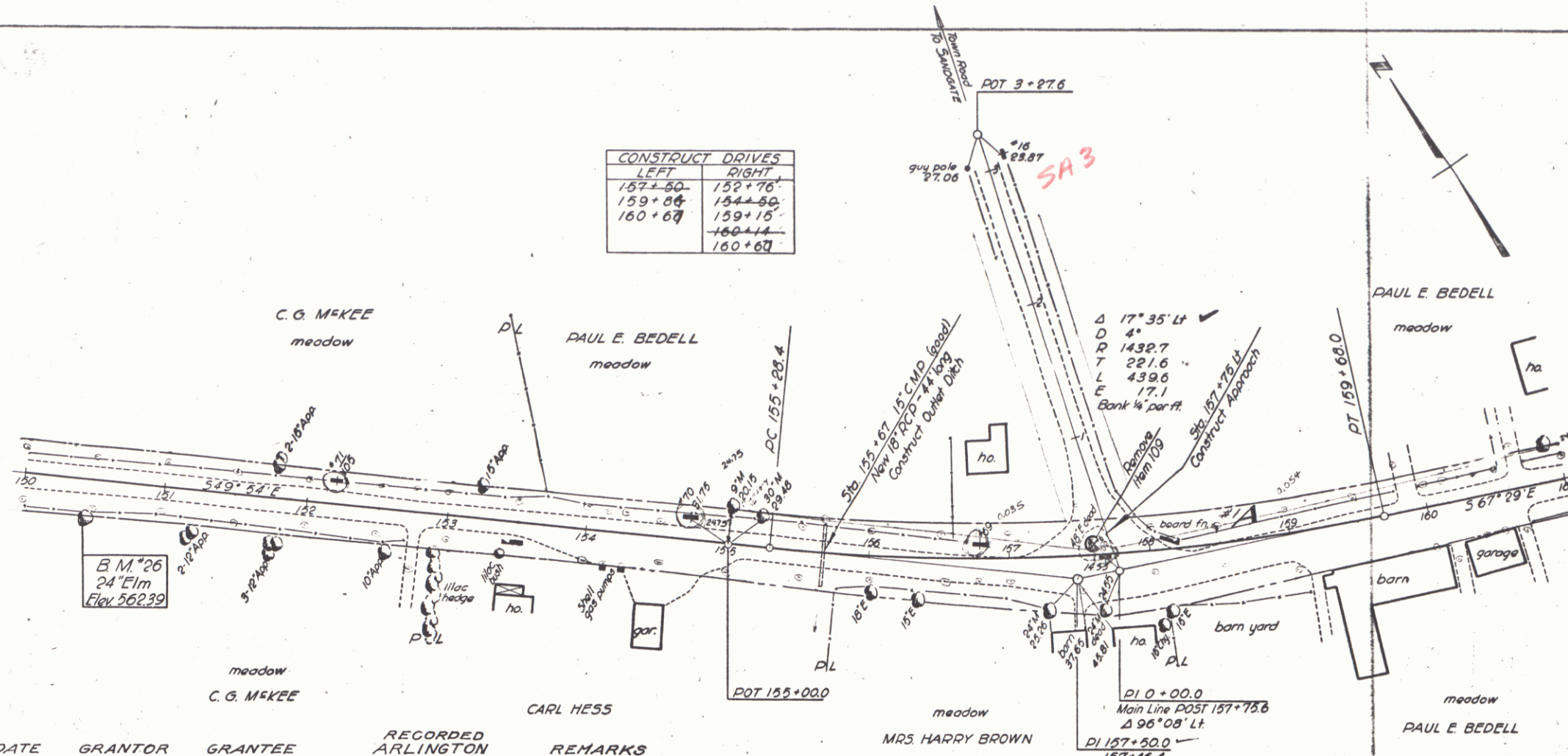


PLAN
 1/4" = 100'
 1/4" = 100'
 1/4" = 100'

1/4" = 100'
 1/4" = 100'
 1/4" = 100'

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	VA	1477	1947	5	70

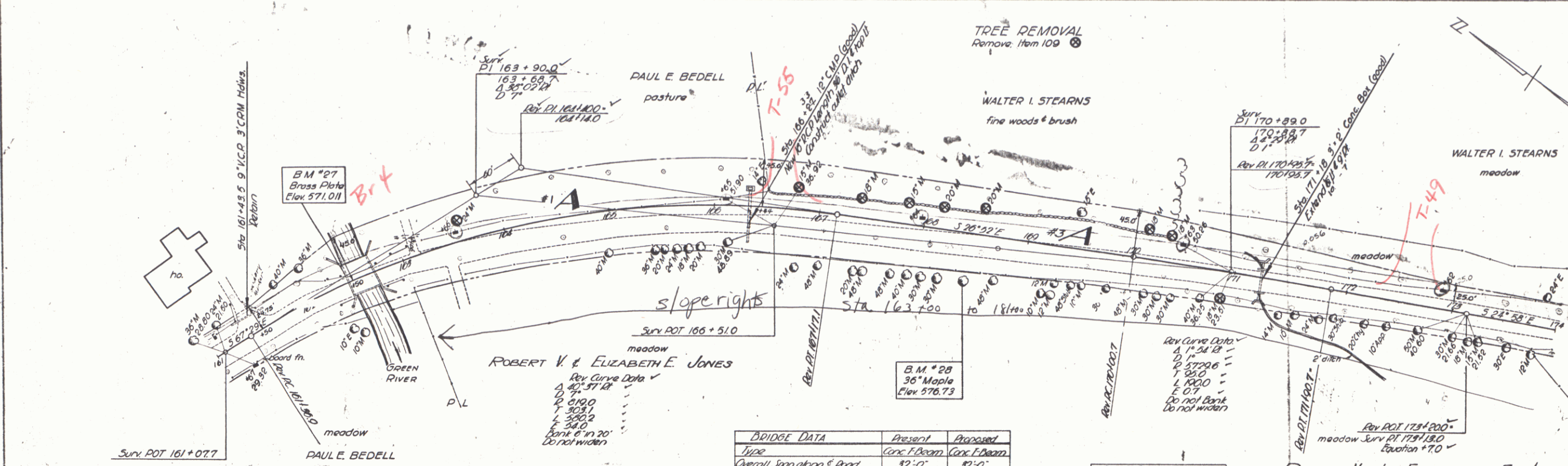
CONSTRUCT DRIVES	
LEFT	RIGHT
157+50	152+76
159+00	154+50
160+69	159+15
	160+14
	160+67



ARLINGTON
 Series F No. 141 (1)
 Sheet 5 of 70 Sheets

PLAN
SCALE
DATE
BY
CHECKED
APPROVED

PLAN
SCALE
DATE
BY
CHECKED
APPROVED

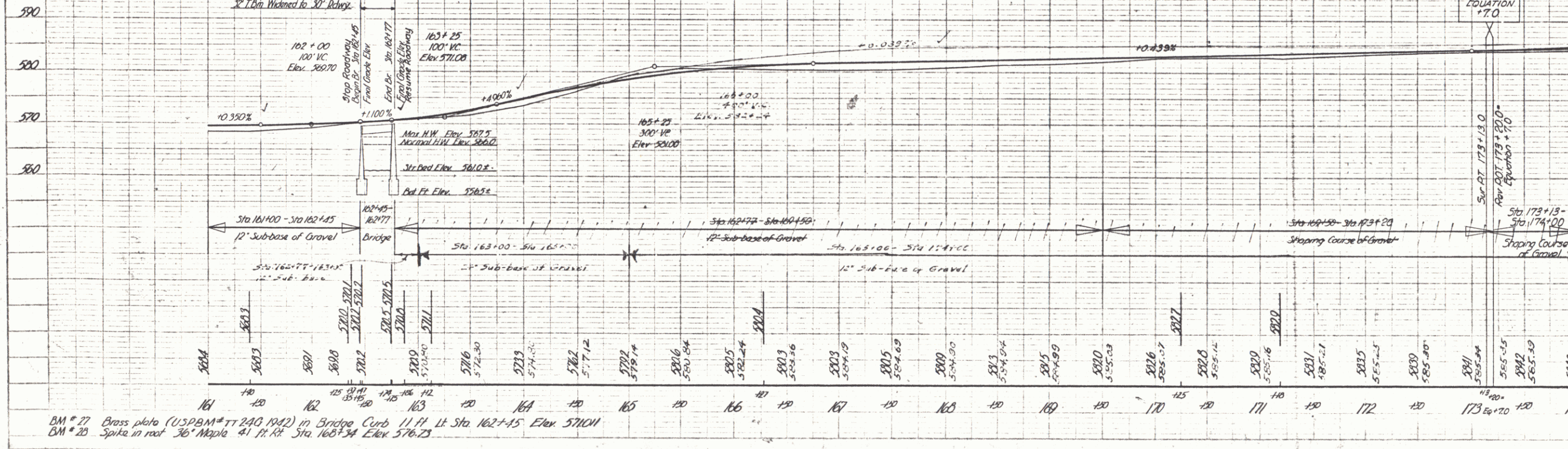


- LIST OF SHEETS BRIDGE ONLY
- Sh 20 of 70 Details of Abutment #1
 - Sh 21 of 70 Details of Abutment #2
 - Sh 19 of 70 Details of Superstructure
 - Sh 22 of 70 SD-5C-1-Std Cable Rail
 - Sh 23 of 70 SD-71 Dorradoes Sign Lights
 - Sh 24 of 70 SD-70 Std Details of "C"

- ESTIMATED QUANTITIES BRIDGE ONLY
- Item 15 Channel Excavation 20 cy
 - Item 16 Structure Excavation 95 cy
 - Item 18 Maintenance of Traffic 1 Ls
 - Item 19A Concrete Class "A" 19 cy
 - Item 41C Concrete Class "C" 65 cy
 - Item 42 Reinforcing Steel 1047 lb
 - Item 65 Timber Piling 300 lf
 - Item 60A Cable Guard Rail 84 lf
 - Item 57A Preparing Superstructure for widening 1 lb

BRIDGE DATA	Present	Proposed
Type	Gen. E. Beam	Gen. E. Beam
Overall Span along S. Road	32'-0"	32'-0"
Roadway width face to face curb	20'-0"	30'-0"
Clear Span along S. Road	25'-0"	25'-0"
Clear Span normal to Stream	25'-0"	25'-0"
Clear height to low bridge foot	7'-0"	7'-0"
Maximum high water Elev.	567.5	567.5
Normal high water Elev.	566.0	566.0
Waterway to low br. foot	100'	100'
Normal to Max. H.W. Elev.	100'	100'
to Stream to Normal H.W. Elev.	140'	140'
Stream Velocity	Medium	Medium
Drift	Slight	Slight
Scour	Slight	Slight
Bridge widened to 30' on left and new rail added		

PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED ARLINGTON BOOK PAGE DATE	REMARKS
#3 A	W. D. O. E.	7-27-48	WALTER I. STEARNS	ST. OF VT.	27 448-449 8-11-48	
#2	W. D. O. E.	8-11-48	ROBERT V. & ELIZABETH E. JONES	ST. OF VT.	27 531-532 8-20-48	SUPPER RIGHTS

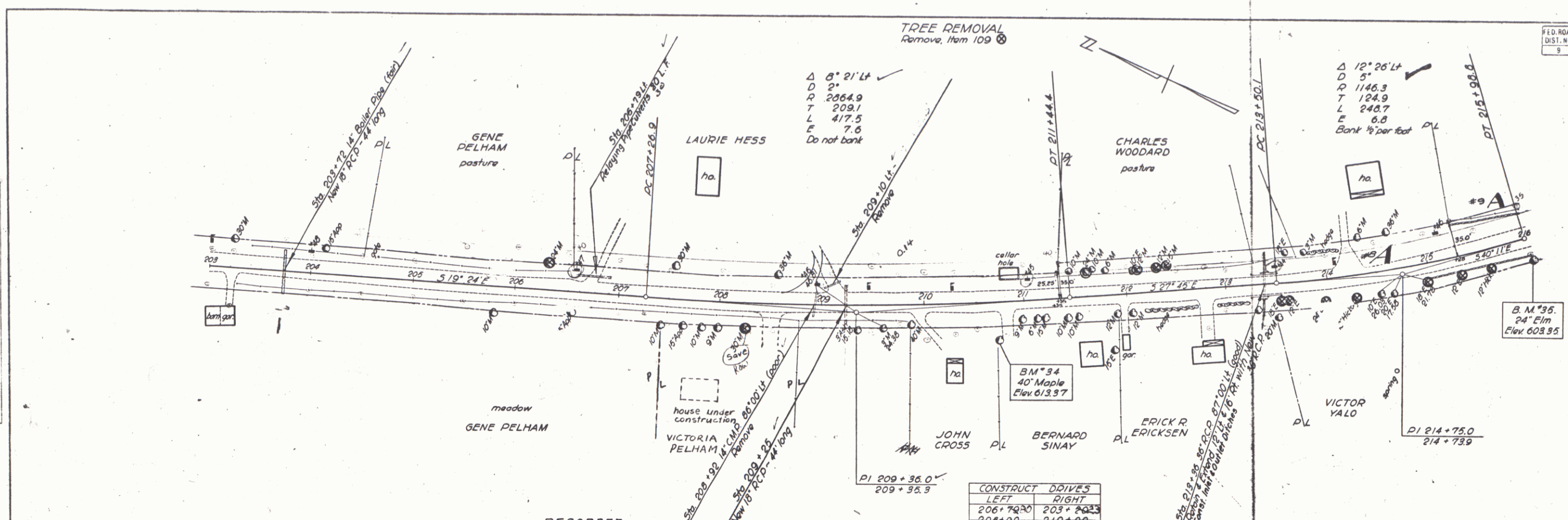


BM #27 Brass plate (USPBM #TT 240 1942) in Bridge Curb 11 ft. Lt. Sta 162+15 Elev. 571.01
 BM #28 Spike in root 36" Maple 41 ft. Rt. Sta 163+34 Elev. 576.73

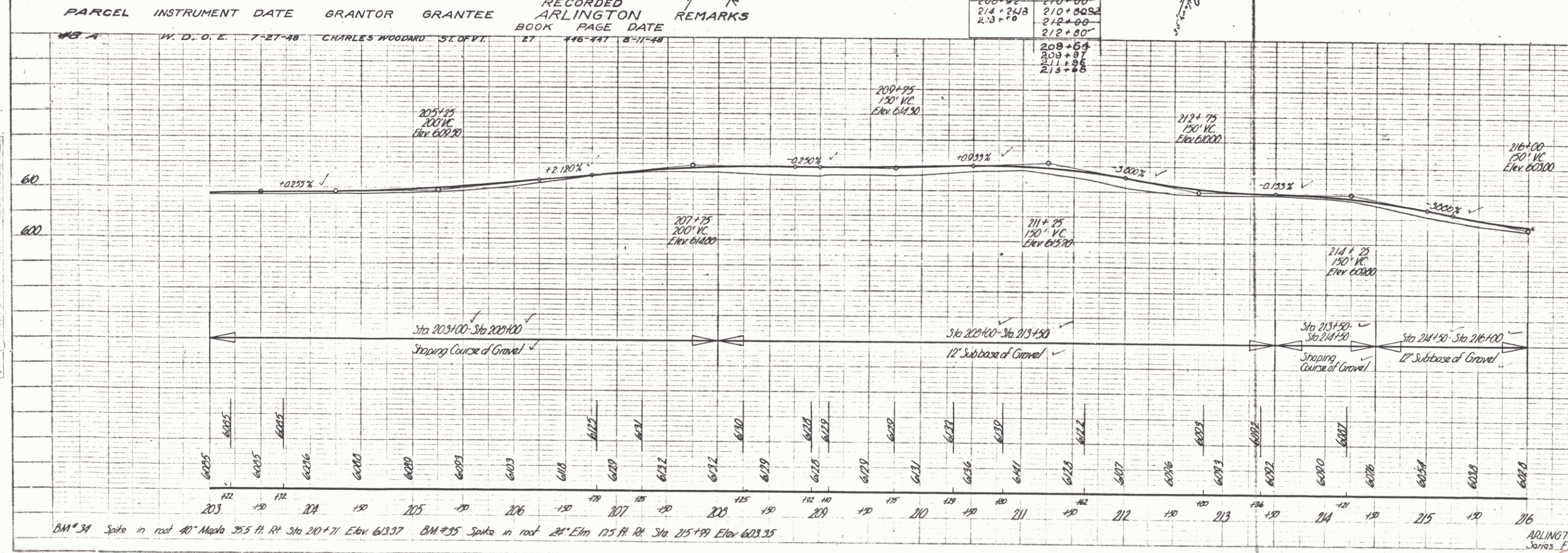
ARLINGTON Jones F. No. 11 (1) Sheet 6 of 70 Sheets

PLAN
 DATE
 DRAWN BY
 CHECKED BY
 SCALE

ARLINGTON
 Series F No. 141 (1)
 Sheet 9 of 70 Sheets



FILE NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VI.	14/17/1947	9	70



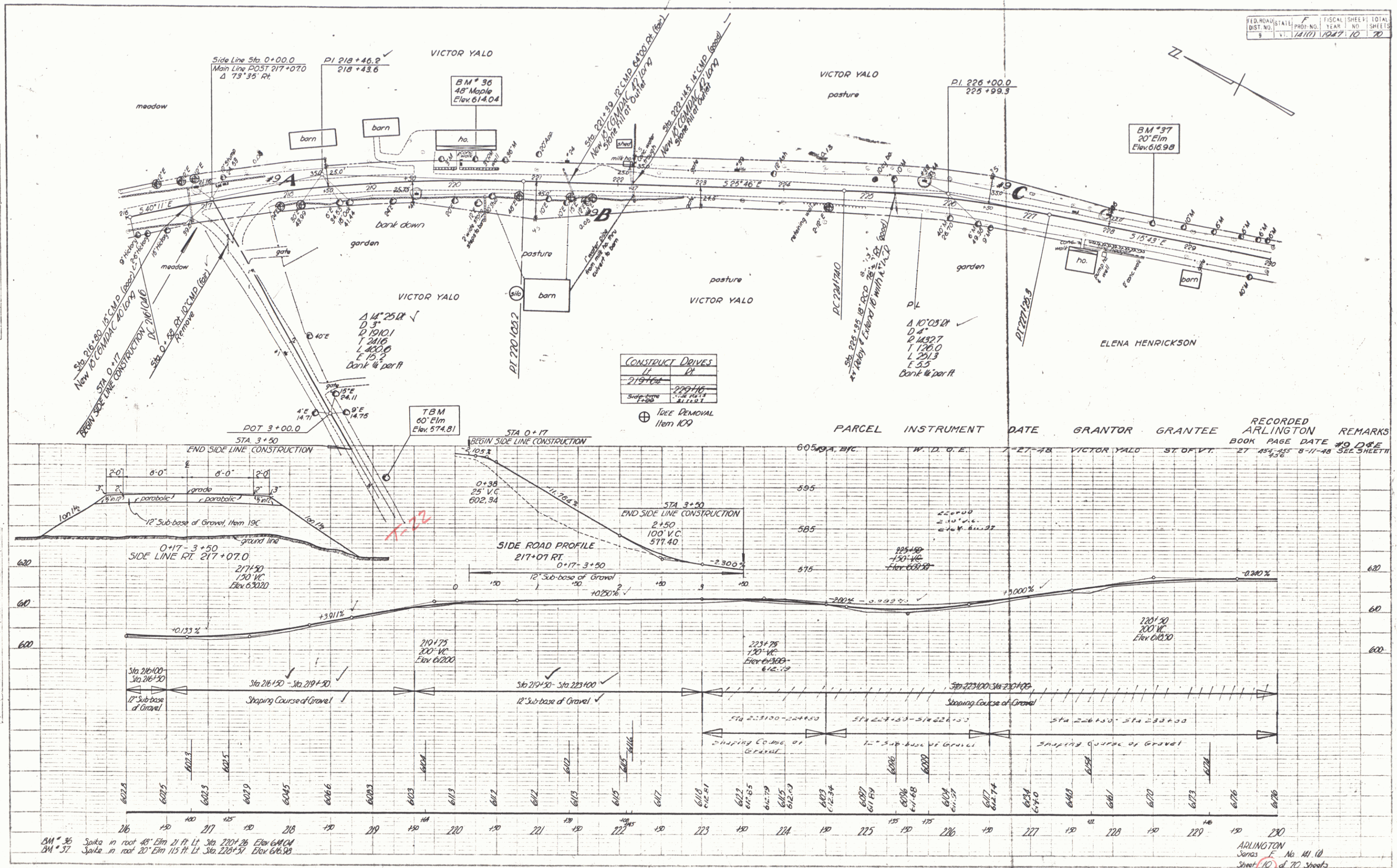
CONSTRUCT DOWNS	
LEFT	RIGHT
206+72.0	203+20.0
206+92.0	210+00.0
214+24.8	210+00.0
212+80.0	212+80.0
208+64.0	
209+97.0	
211+28.0	
213+28.0	

BM #34 Spike in road 40' Maple 35.5 ft. Rt Sta 207+71 Elev 613.37 BM #35 Spike in road 24' Elm 17.5 ft. Rt Sta 215+99 Elev 603.35

ARLINGTON
 Series F No. 141 (1)
 Sheet 9 of 70 Sheets

PLAN
 DRAWN BY: [illegible]
 CHECKED BY: [illegible]
 DATE: 7-1-46

REPORT BY: [illegible]
 DATE: 7-1-46
 NOTE: BOOK 27 PAGE 45
 NO. 11111

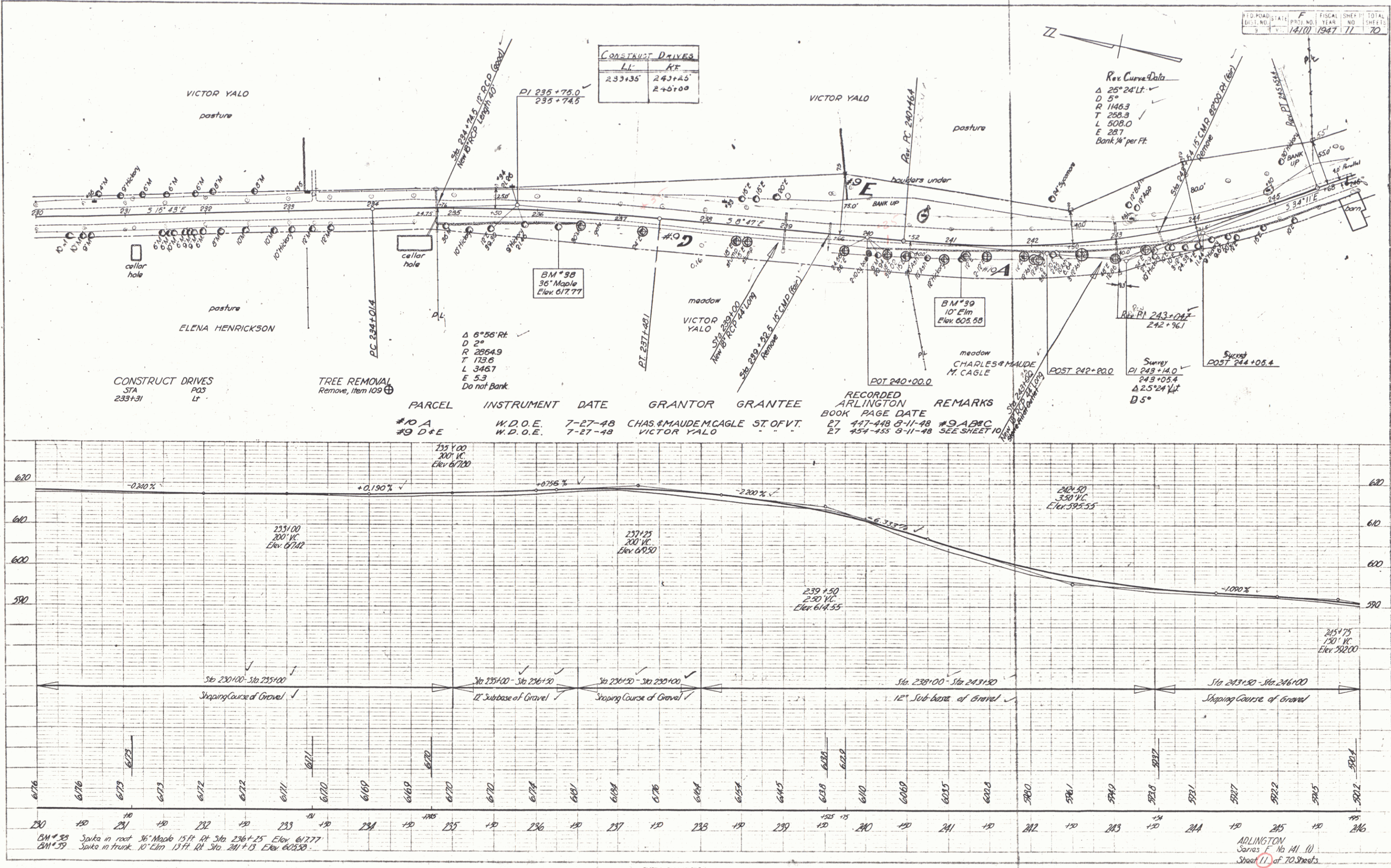


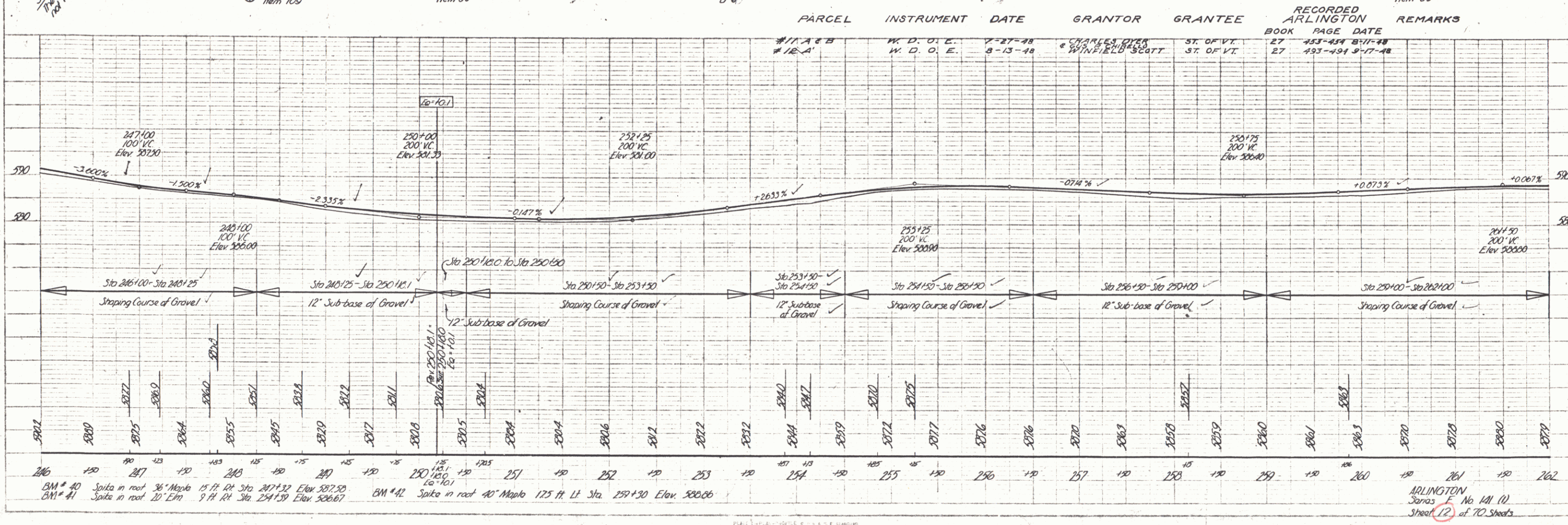
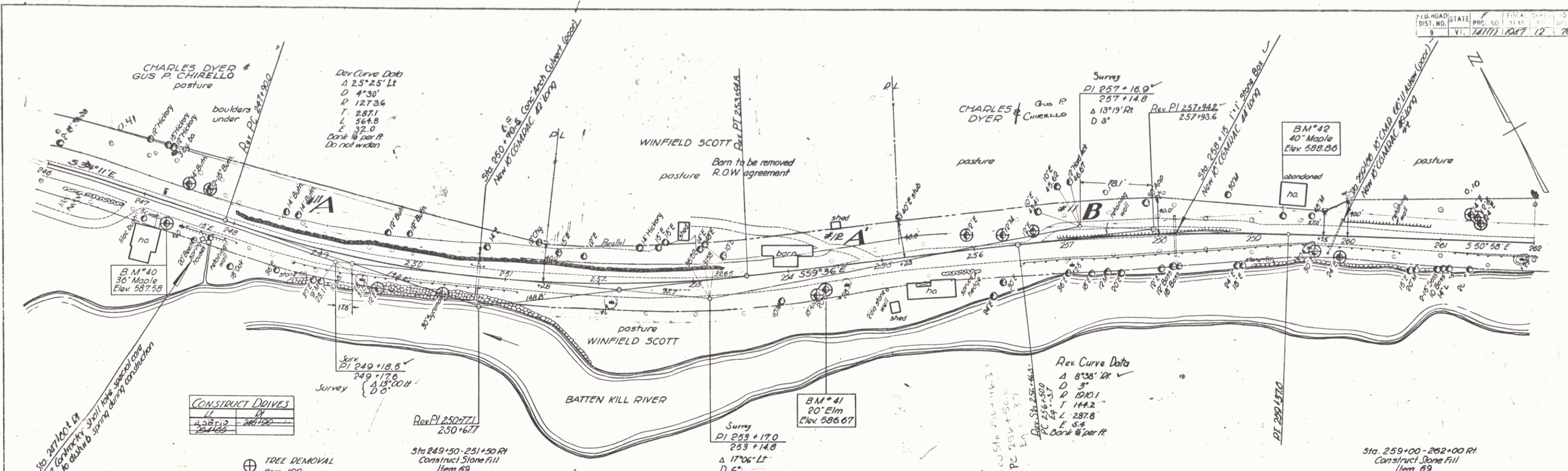
CONSTRUCT DRIVES	DATE
11	219-10-46
12	220-11-46
13	221-12-46

TREE REMOVAL
 Item 109

PLANS
 TO BE
 RECORDED
 IN BOOK
 NO. 14100
 DATE 1947

PLANS
 TO BE
 RECORDED
 IN BOOK
 NO. 14100
 DATE 1947





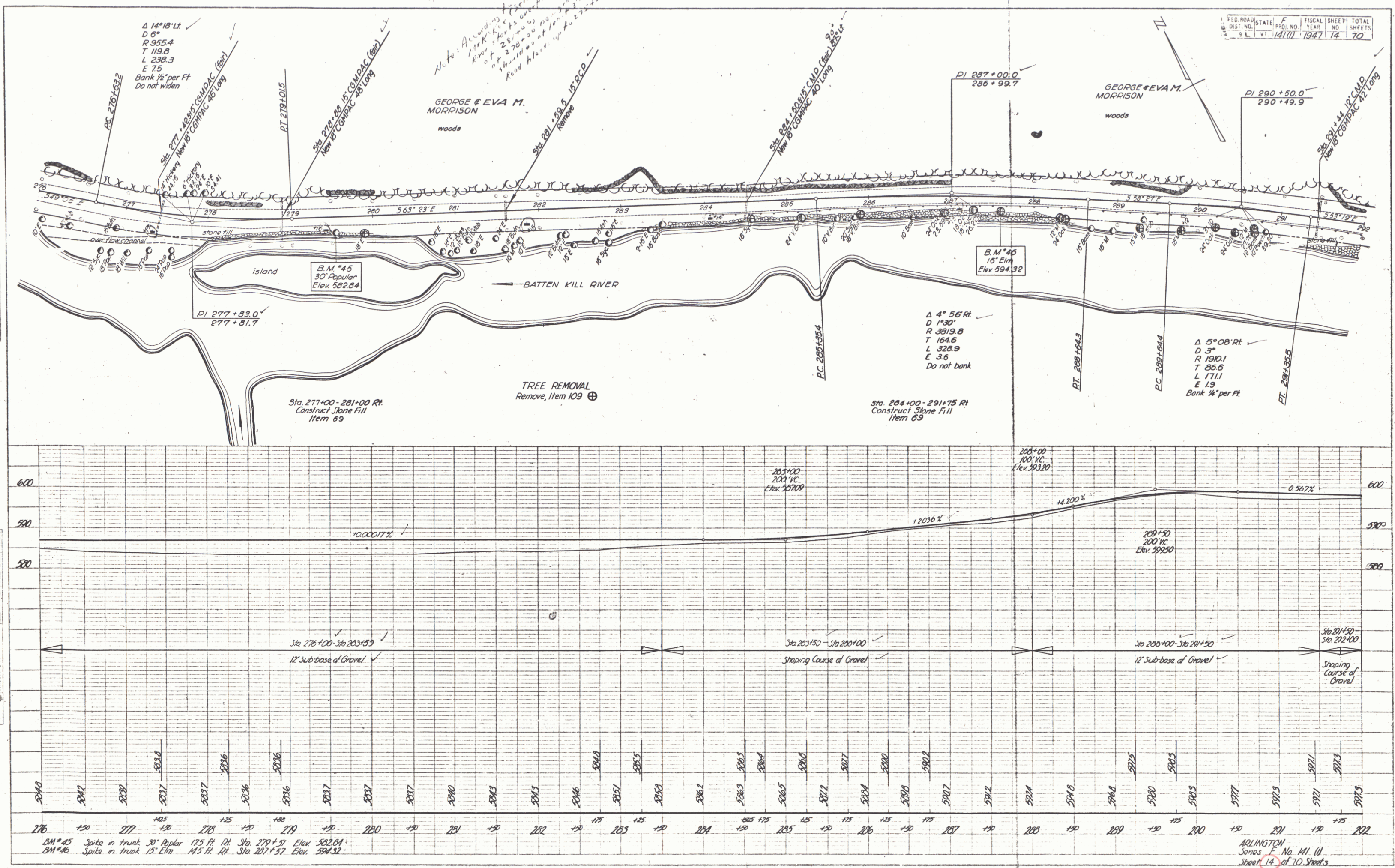
PLAN
Scale
1" = 40'
2-48

Profile
Scale
1" = 40'
2-48

ARLINGTON
Series F No. 141 (1)
Sheet 12 of 70 Sheets

PLAN
 DATE: 11-11-14
 DRAWN BY: J. L. Jones
 CHECKED BY: J. L. Jones
 NO. 14

PROFILE
 DATE: 11-11-14
 DRAWN BY: J. L. Jones
 CHECKED BY: J. L. Jones
 NO. 14

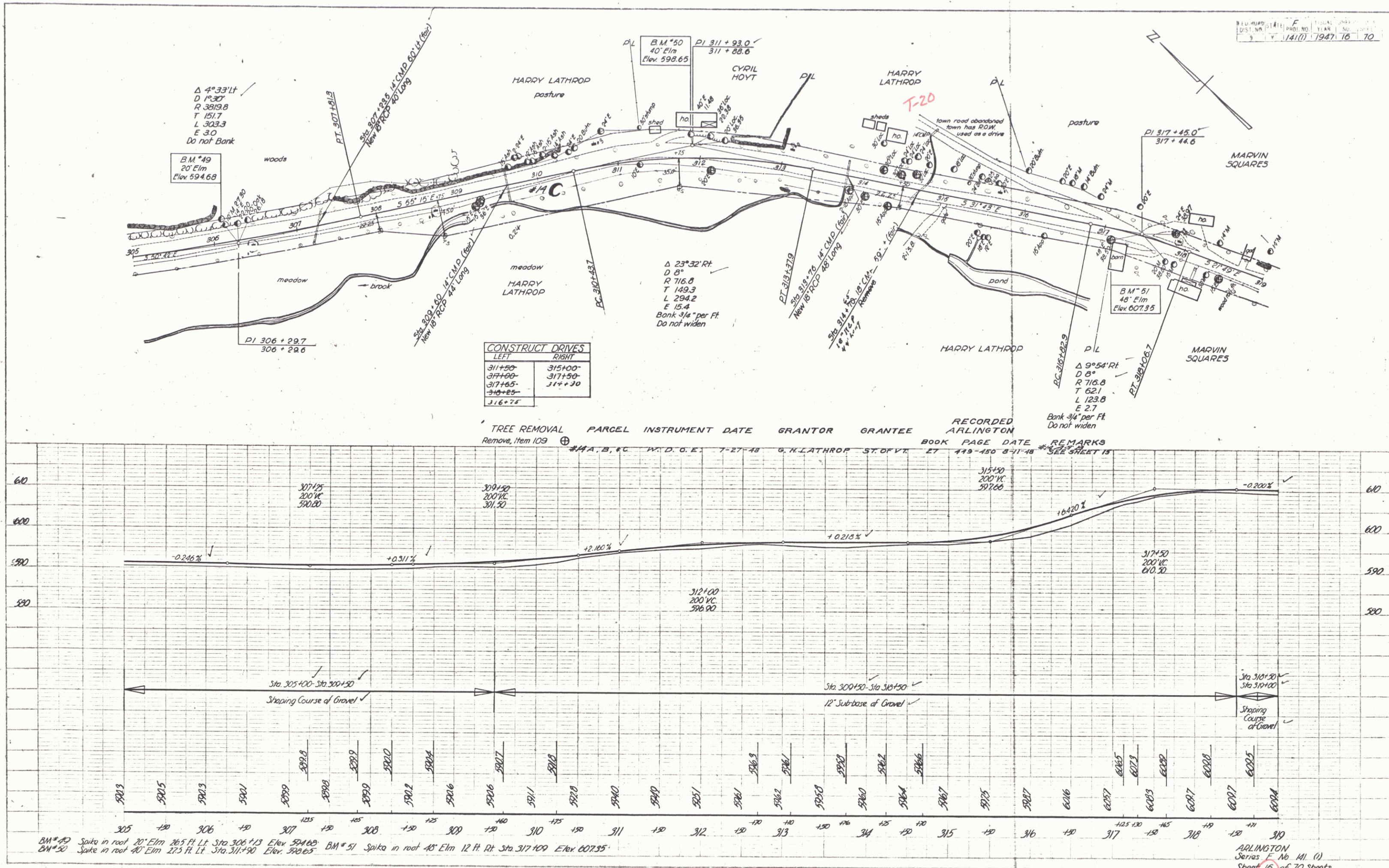


STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
VT	1947	14	70

ARLINGTON
 Series E No. 141 (I)
 Sheet 14 of 10 Sheets

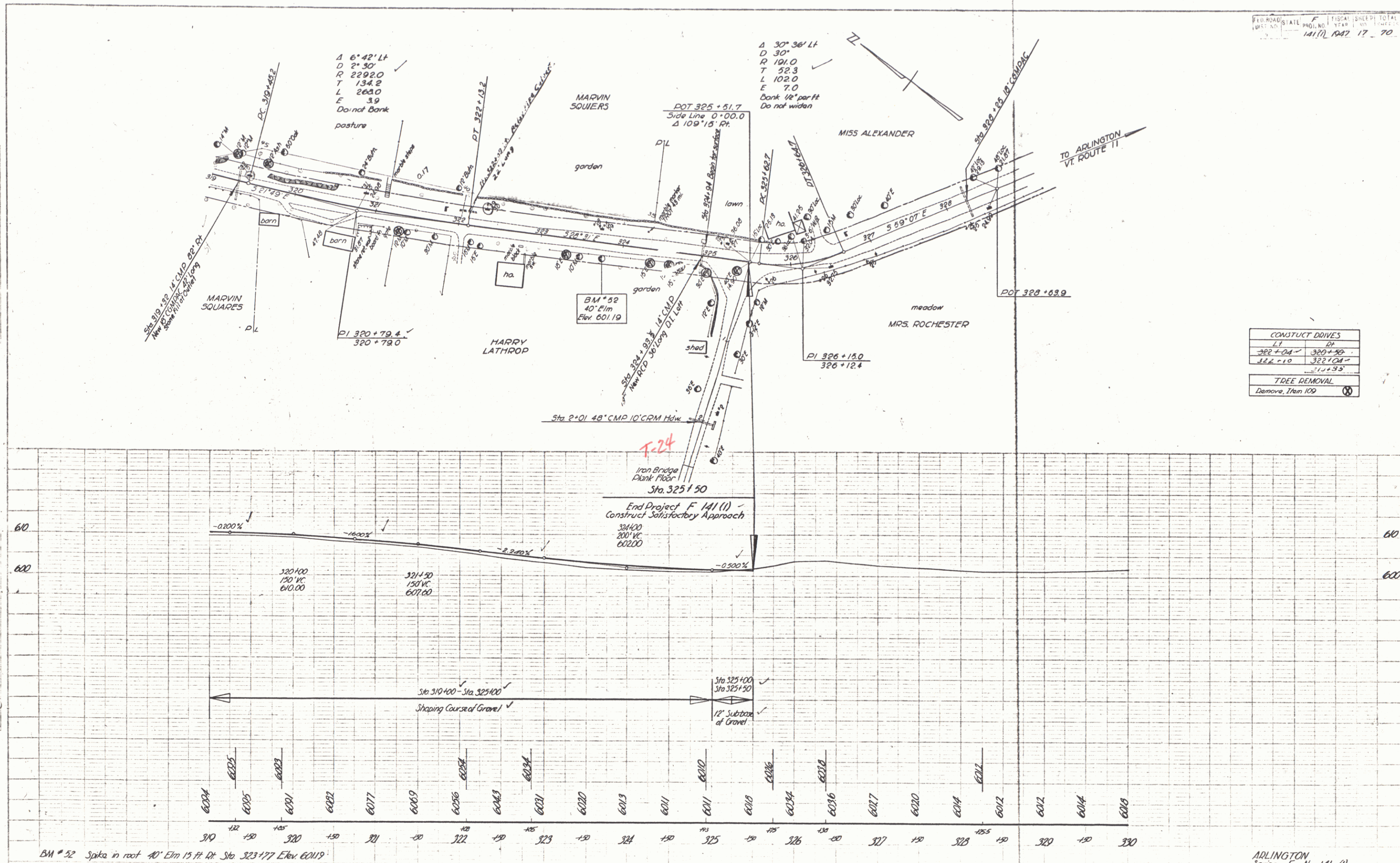
PLAN
 1" = 40'
 1" = 100'
 1" = 200'

Profile - A Lathrop
 1" = 10'
 1" = 20'



PLAN
 DATE: 1947
 DRAWN BY: L. Jones
 CHECKED BY: J. W.

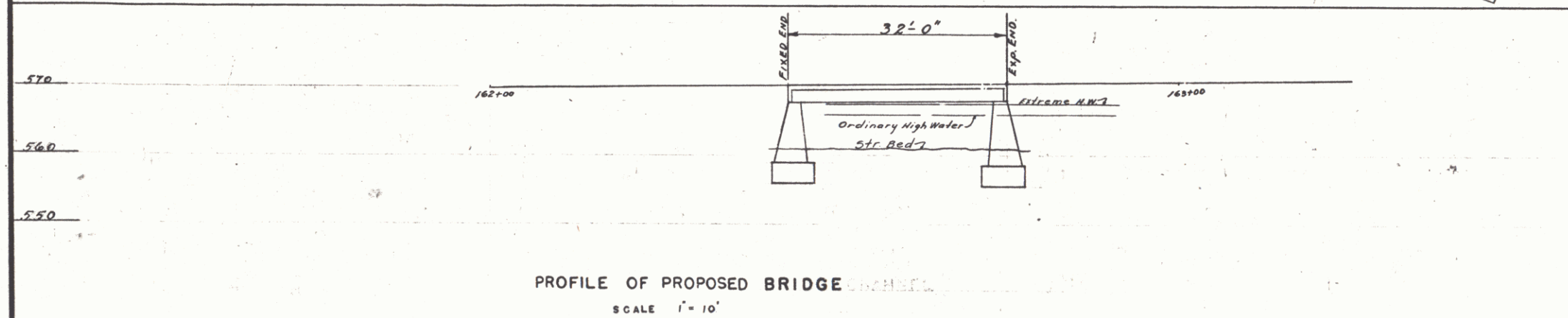
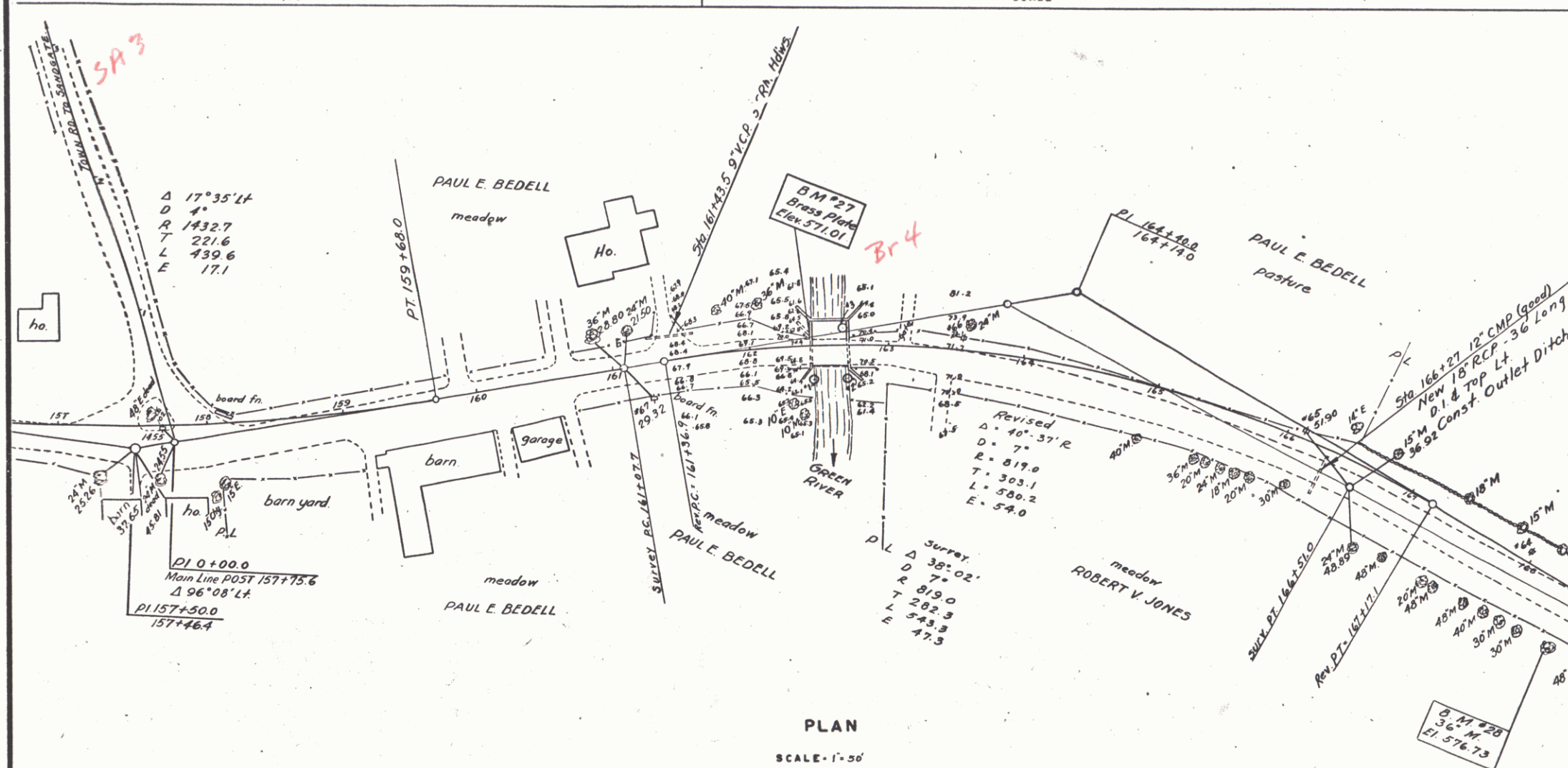
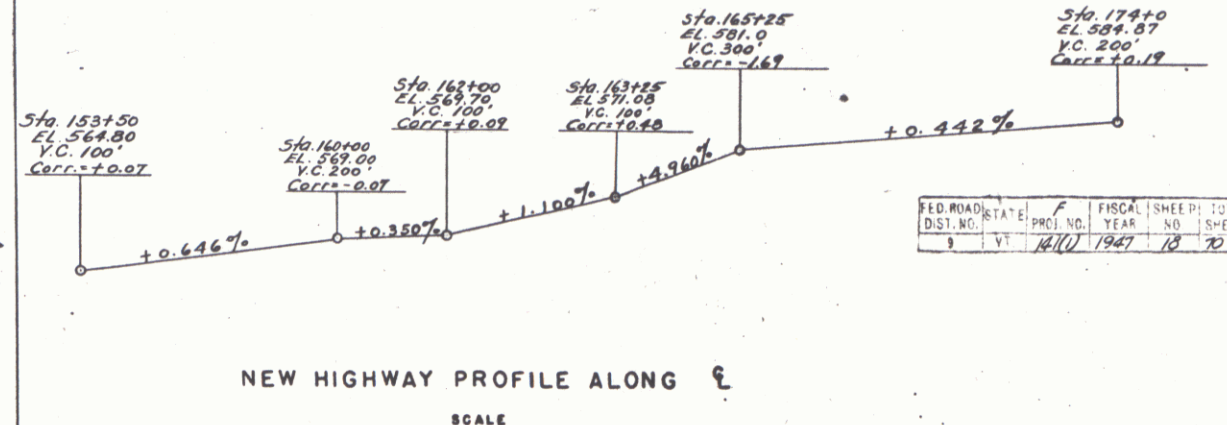
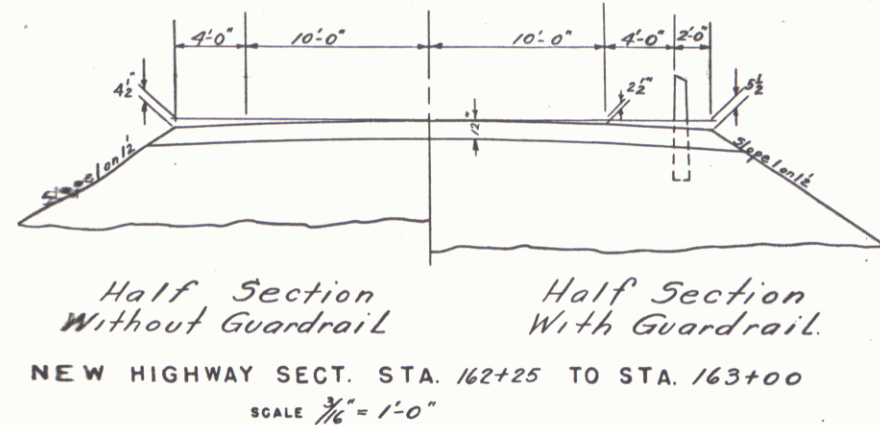
PROFILE
 DATE: 1947
 DRAWN BY: L. Jones
 CHECKED BY: J. W.



FILE NO. 141.17, 1947 17-70

CONSTRUCT DRIVES	
LT	RT
322+04	320+30
322+10	322+04
322+35	
TREE REMOVAL	
Remove Item 100	

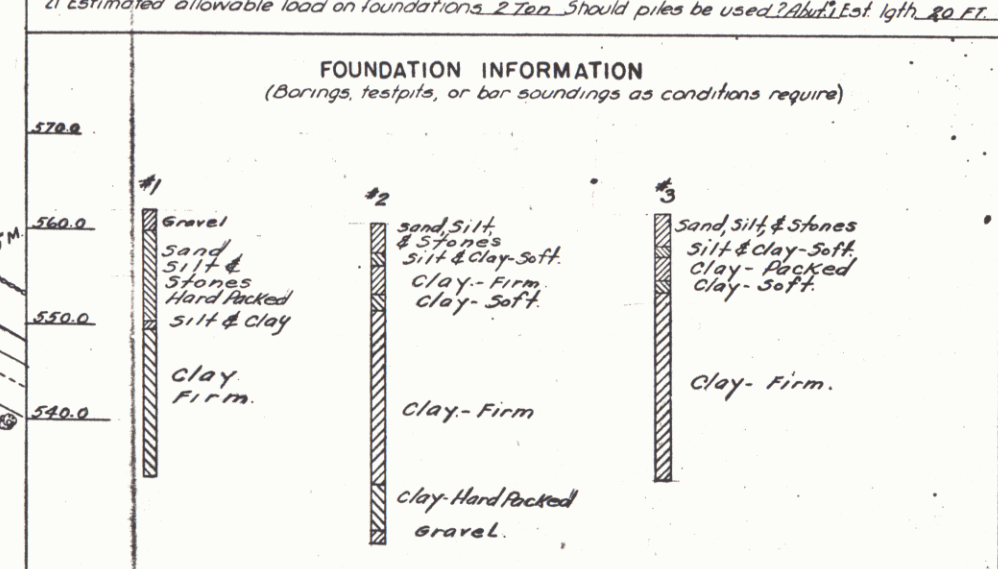
ADLINGTON
 Jones F No. 141 (1)
 Sheet 17 of 70 Sheets



Highway No. VT. RT. 11 Name of Highway Bennington Town Arlington
 Structure No. 1 County Bennington Town Arlington
 Approved Date
 Bridge Engineer, Dist. No. 9

EXISTING STRUCTURE
 1. Posted loading of existing structure Not Posted
 2. Location and type of existing structure VT. Rt. 11 (Log Sta. 154+41 - Town of Arlington) T. and
 3. Underclearance elevation of existing structure EL. 567.6
 4. What disposition should be made of the existing structure and probable cost of removal Bridge to be widened
 5. Should existing structure be utilized to maintain traffic during construction of new structure Yes
 6. Should new temporary structure be built No
 7. Ordinary high water surface elevation of existing structure up stream 646.5 No structure
 8. Extreme high water of existing structure EL. 567.5
 9. Span and waterway area below ordinary high water surface elevation of existing structure up stream Span 15' Waterway area 75.0'
 10. Type of foundation under existing abutments Piles under Abut. 1 - No piles under Abut. #2
 11. If existing structure is to be widened or extended, attach sketch containing complete data to prepare plans for widening or extending and to determine safe loading capacity, substructure, and superstructure See enclosed sheet 75

NEW STRUCTURE
 1. Recommended type of structure 38'-0" Conc. T. Beam new Piles - Widen old bridge to obtain 38' arch to 0.0
 2. Recommended clear span or spans Measured parallel to new highway 28'-0"
 3. Measured at right to 10' to stream 28'-0"
 4. Are there objections to a pier in the stream, answer yes or no Yes
 5. Ordinary high water EL. 566.0
 6. Ordinary elevation of water at new structure EL. 563.0
 7. Extreme high water elevation at new structure EL. 567.5
 8. Does stream reach its maximum high water elevation rapidly No Is ordinary rise rapid moderate
 9. Low water elevation at new structure EL. 562.0
 10. Drainage area in acres above structure 126.50 Character of terrain Hilly
 11. Velocity of stream over dry No
 12. Recommended waterway area below ordinary high water elevation, measured at 1/2 mile of stream 40'
 13. Does erosion occur 5/1961
 14. Does stream carry light, medium or heavy drift and ice Light
 15. Should roadway be banked? If so how much per foot Yes - 4" in 10 ft
 16. Are sidewalks required? If so, on what side None Both sides?
 17. Recommended type of pavement Gravel with double track coat of tar on approaches
 18. Traffic to be maintained under what item no? 18 One or two ways? 1 Probable cost \$500.00
 19. Probable cost of cleaning and grubbing stream channel at structure site \$0.00
 20. Should provisions be made for public utilities No
 21. Estimated allowable load on foundations 2 Ten Should piles be used? Abut. Est. lgh 20 ft



STATE OF VERMONT
 DEPT. OF HIGHWAYS

RECOMMENDED FOR APPROVAL
 District Engineer
 State Road Administration
 Federal Works Agency

APPROVED
 Commissioner
 State Road Administration
 Federal Works Agency

CORRECT APRIL 2 1940 APPROVED APRIL 6 1940
 BRIDGE ENGINEER COMMISSIONER OF HIGHWAYS

ARLINGTON F. 141 (1)
 Sheet 13 of 10 Sheets