

INDEX OF SHEETS

SHEET NO. 1	TITLE PAGE
2	TYPICAL CROSS-SECTION OF IMPROVEMENT
3	BANKING AND WIDENING TABLES
4	PLAN AND PROFILE

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

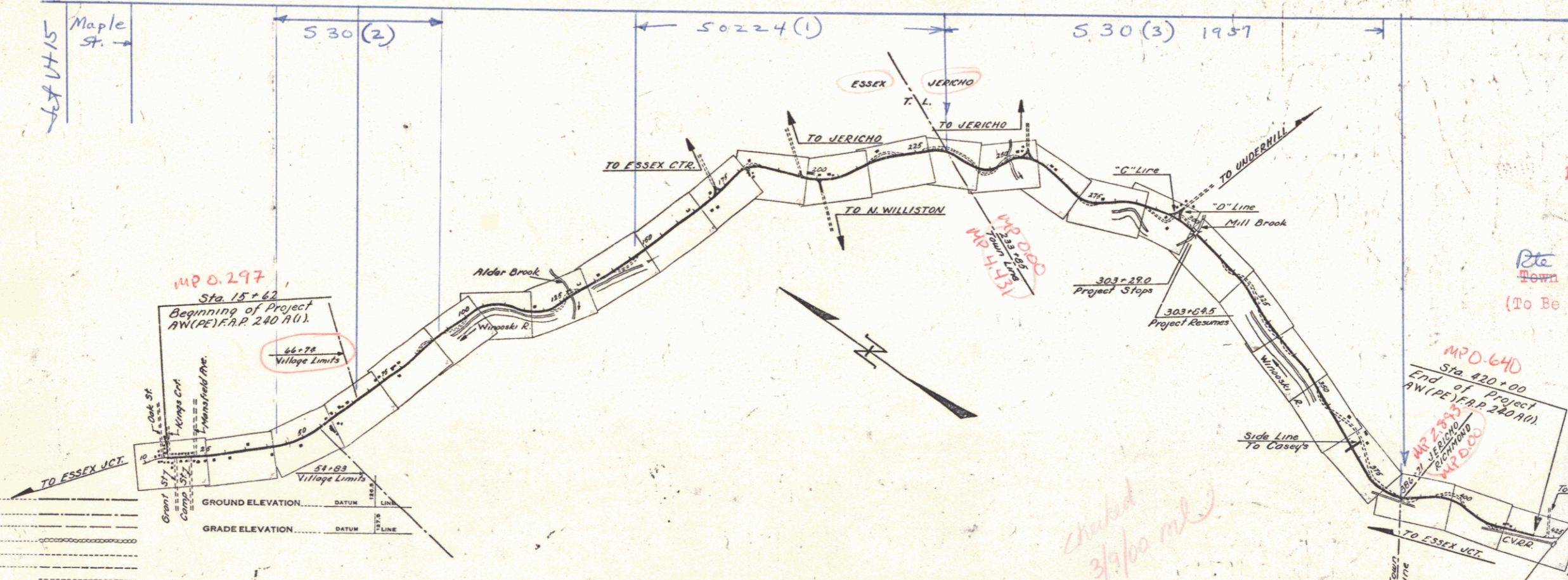
STATE OF VERMONT
 STATE HIGHWAY DEPARTMENT
 PLAN AND PROFILE OF PROPOSED
 STATE HIGHWAY
 FEDERAL AID PROJECT
 TOWNS OF ESSEX - JERICHO - RICHMOND

VT 117

Essex 1941

Project # FAP 240A(1)
 Pin # 00R488
 Route VT 117
 Date 1/1/1941

RIGHT-OF-WAY DIVISION
 TOWN FILE
 HERPESUAL
 Town of VT 117
 (To Be Returned To R.O.W. Division)



- COUNTY LINE
- TOWN LINE
- FENCE LINE
- STONE WALL
- UNFENCED PROPERTY
- GUARD RAIL
- TRAVELED WAY
- RAILROAD
- RAILROAD WALL
- CENTER LINE
- SURVEY LINE
- VERT.
- DROP INLET
- POWER POLE
- TELEPHONE POLE
- TREES
- HEDGE

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

checked 3/3/40 mlw

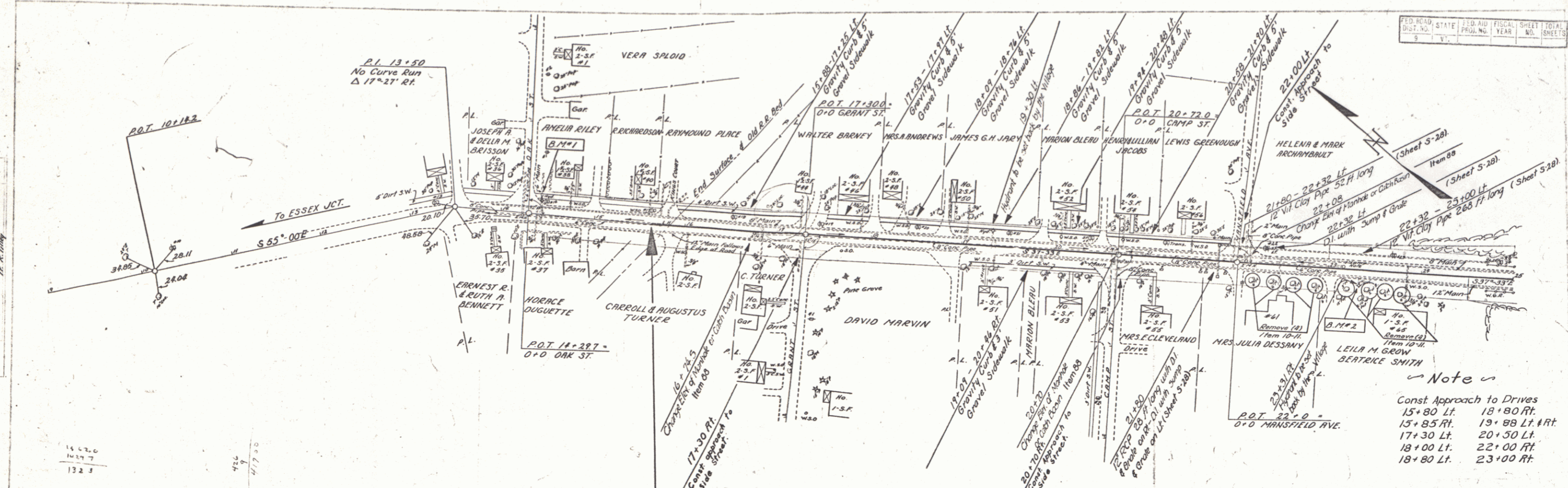
THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE PUBLIC ROADS ADMINISTRATION OR THE COMMISSIONER OF HIGHWAYS.
 CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND THE STANDARD ROAD AND BRIDGE SPECIFICATIONS OF 1936, AS APPROVED DECEMBER 29TH, 1936 BY THE PUBLIC ROADS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

APPROVED	APPROVED	SERIES F NO. 240A FILED
ROAD ENGINEER	DISTRICT HIGHWAY COMMISSIONER	SHEET 1 OF

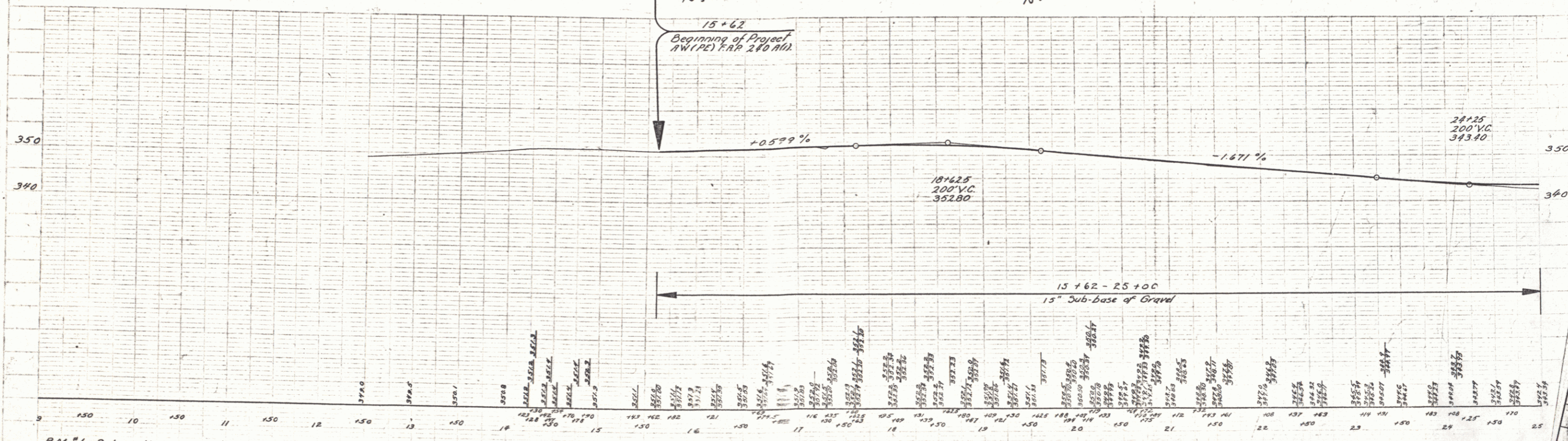
APPROVED: _____
 COMMISSIONER OF HIGHWAYS
 SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

RECOMMENDED FOR APPROVAL

APPROVED



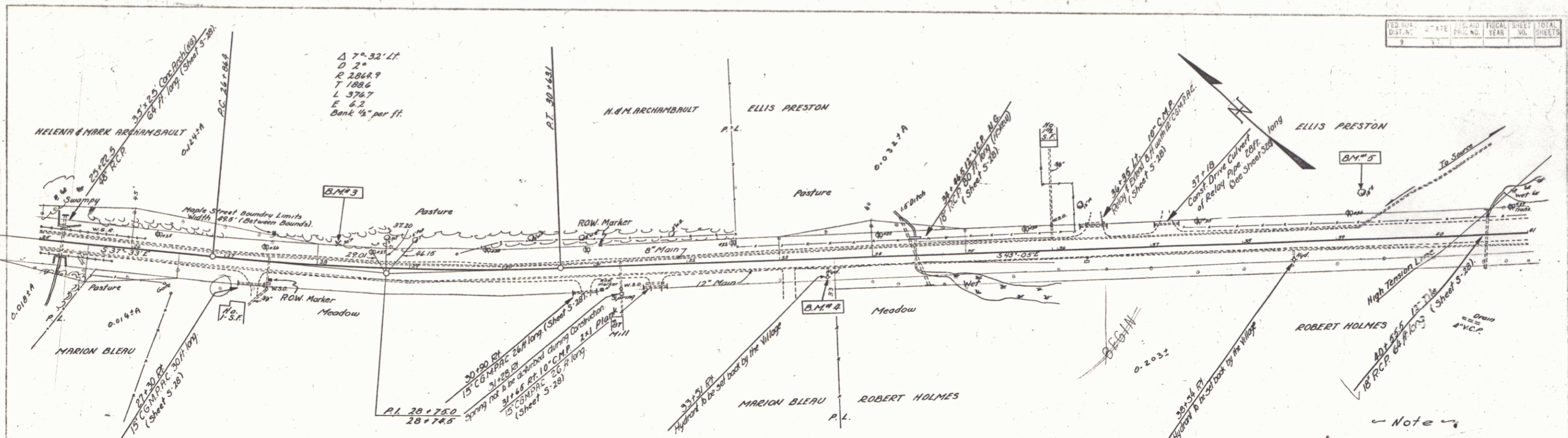
Note
 Const Approach to Drives
 15+80 Lt. 18+80 Rt.
 15+85 Rt. 19+88 Lt. #Rt.
 17+30 Lt. 20+50 Lt.
 18+00 Lt. 22+00 Rt.
 18+80 Lt. 23+00 Rt.



B.M. #1 Bolt on Hydrant 13.5' Lt. Sta. 14+42 Elev. 353.66
 B.M. #2 Bolt on Hydrant 15.5' Rt. Sta. 23+31 Elev. 347.66

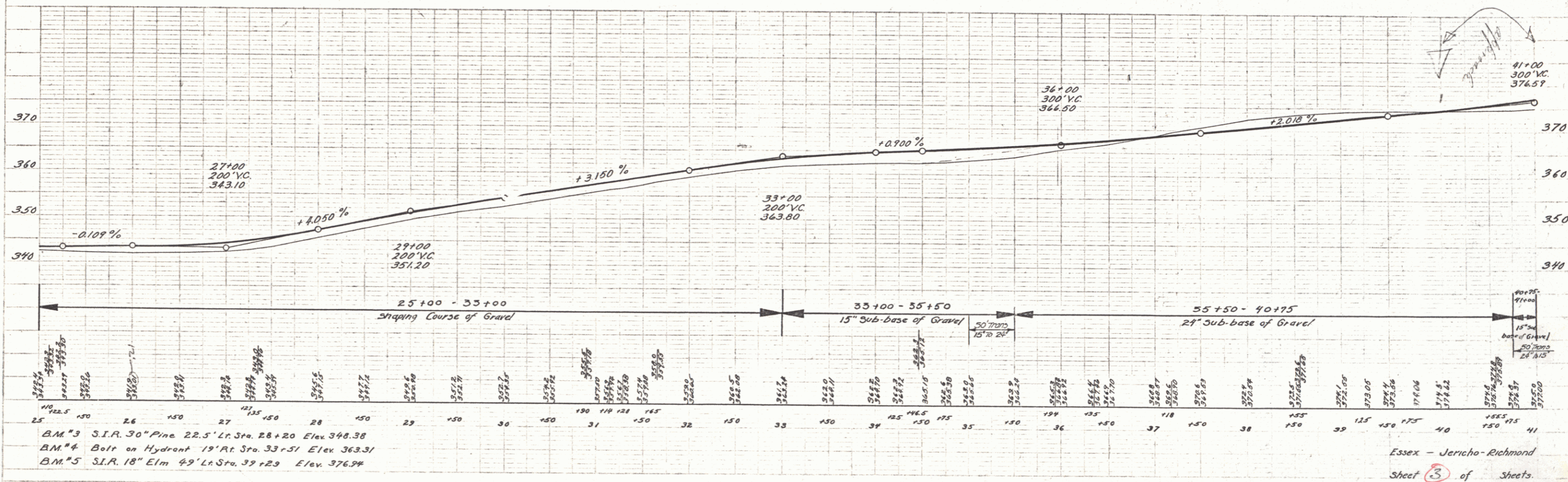
FED. DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	Vt.			3	

PLAN
 SHEETS
 REVISIONS
 DATE
 BY
 CHECKED
 NO.



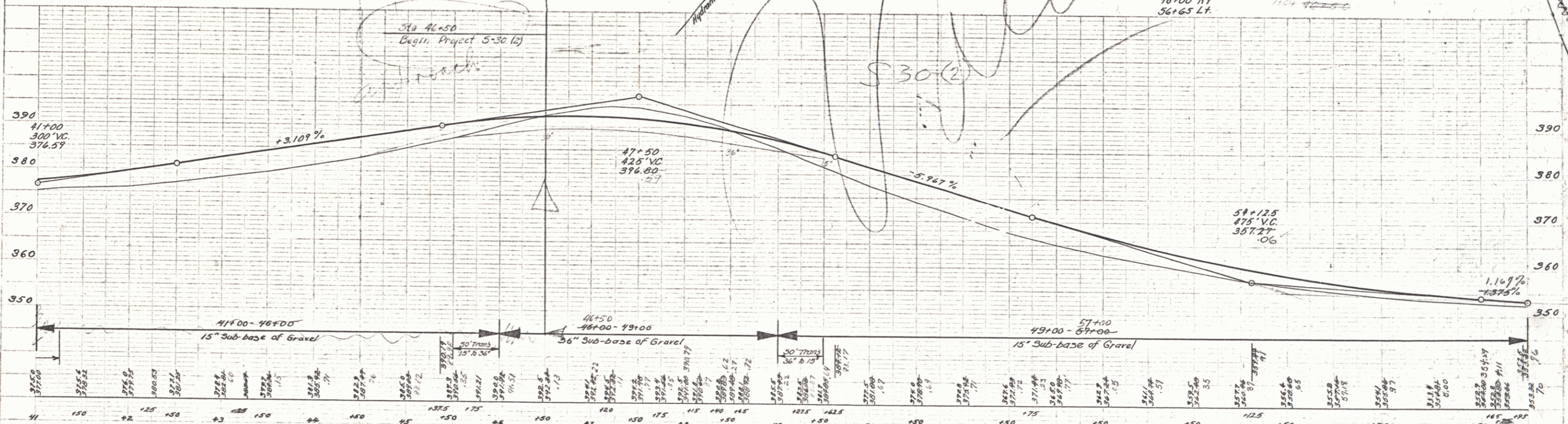
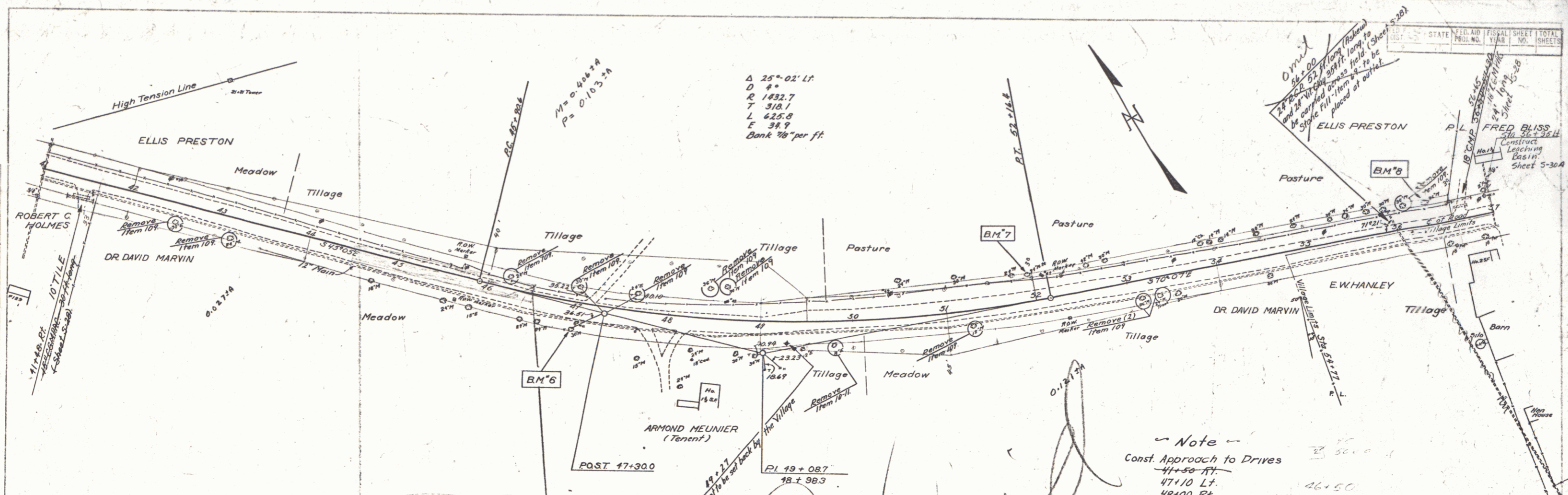
$\Delta 7^{\circ} 32' 11''$
 $D 2^{\circ}$
 $R 2864.9$
 $T 1886$
 $L 376.7$
 $E 6.2$
 Bank $\frac{1}{4}$ " per ft.

Note
 Const. Approach to drives
 27+35 Ft. 33+00 Ft.
 30+90 Ft. 36+35 Ft.
 31+65 Ft. 37+16 Ft.



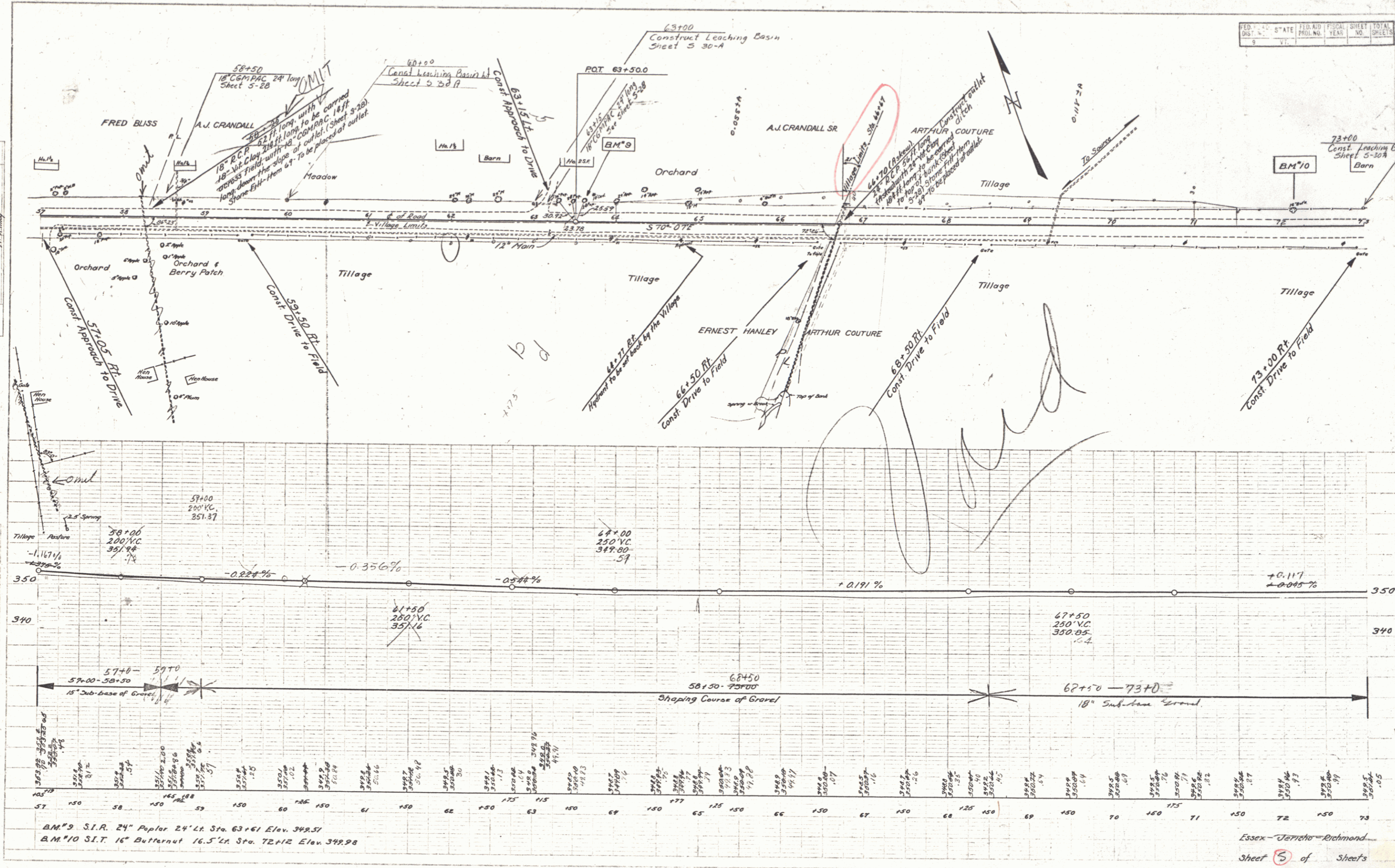
BM #3 S.I.R. 30" Pine 22.5' Lt. Sta. 28+20 Elev. 348.38
 BM #4 Bolt on Hydrant 19" Rt. Sta. 33+51 Elev. 363.31
 BM #5 S.I.R. 18" Elm 49' Lt. Sta. 39+29 Elev. 376.94

Essex - Jericho - Richmond
 Sheet 3 of Sheets.



B.M. #6 S.I.R. 30" Maple 27' At Sta. 46+98 Elev. 376.31
 B.M. #7 S.I.R. 24" Maple Stump 27' Lt. Sta. 51+96 Elev. 366.52
 B.M. #8 S.I.R. 36" Maple 23.5' Lt. Sta. 56+30 Elev. 354.31

FED. DIST.	STATE	FED. AID	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.			5	5



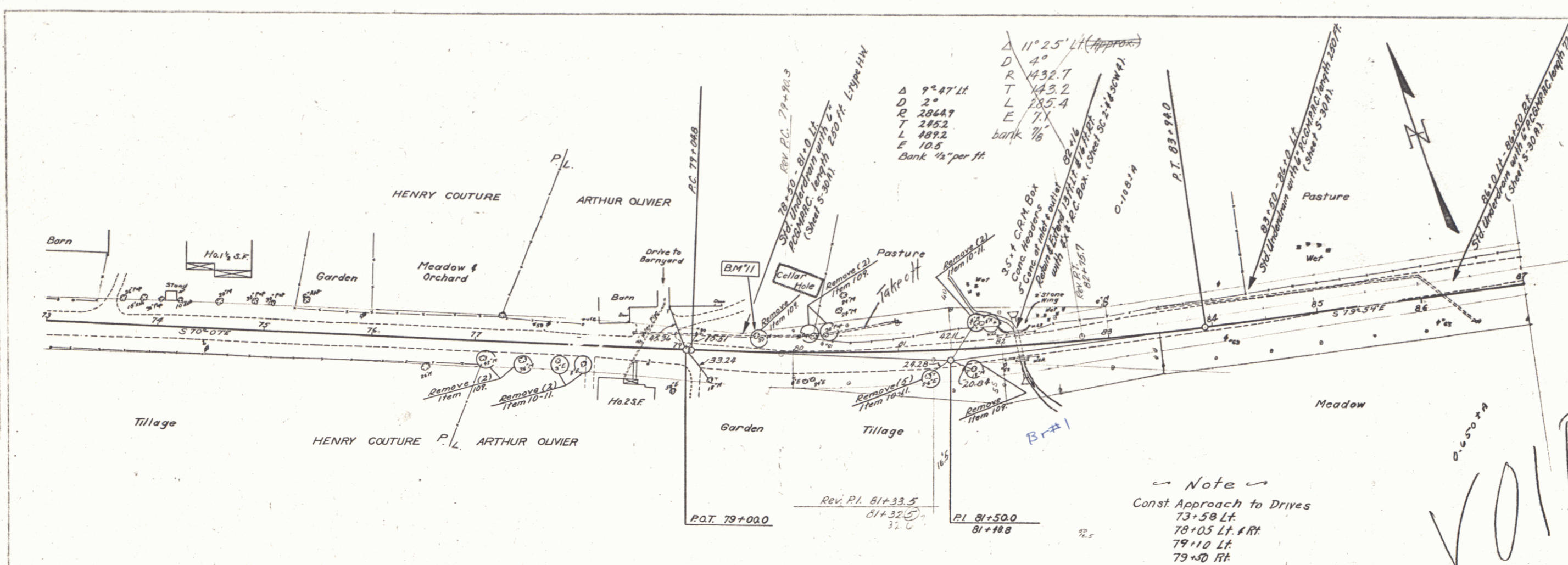
PLAN
 DATE: 10/1/50
 DRAWN BY: [illegible]
 CHECKED BY: [illegible]
 IN CHARGE: [illegible]

BM#9 S.I.R. 24" Paper 24" Lt. Sta. 63+61 Elev. 349.31
 BM#10 S.I.T. 16" Butternut 16.5" Lt. Sta. 72+12 Elev. 349.28

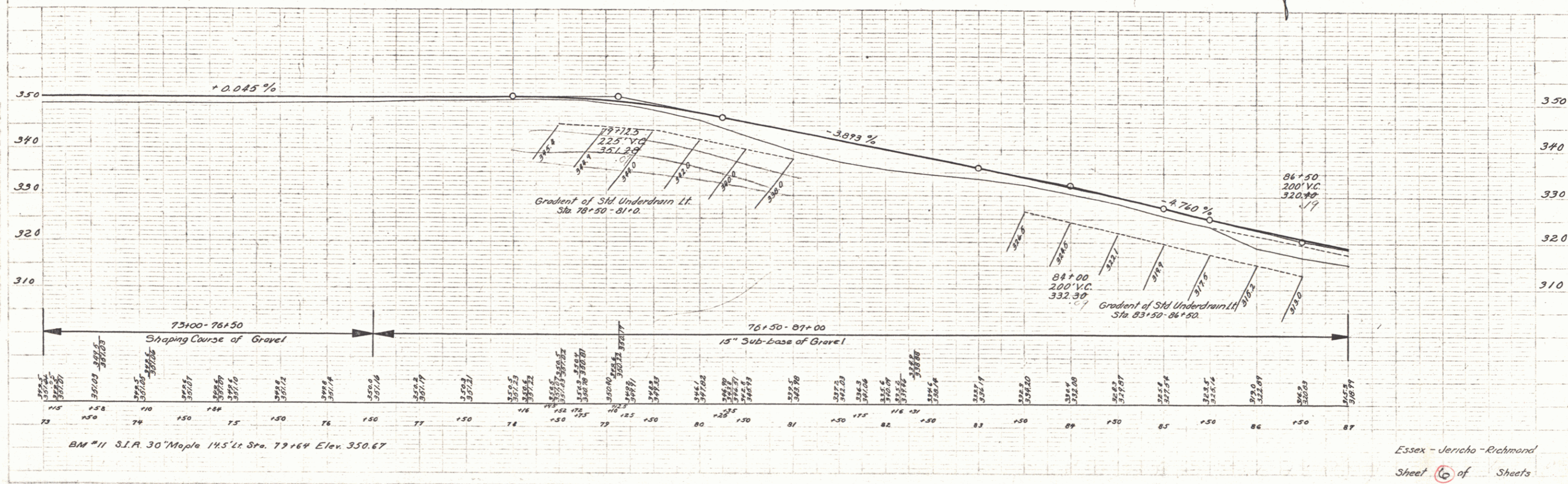
Essex - Ferris - Richmond
 Sheet 5 of 5

5

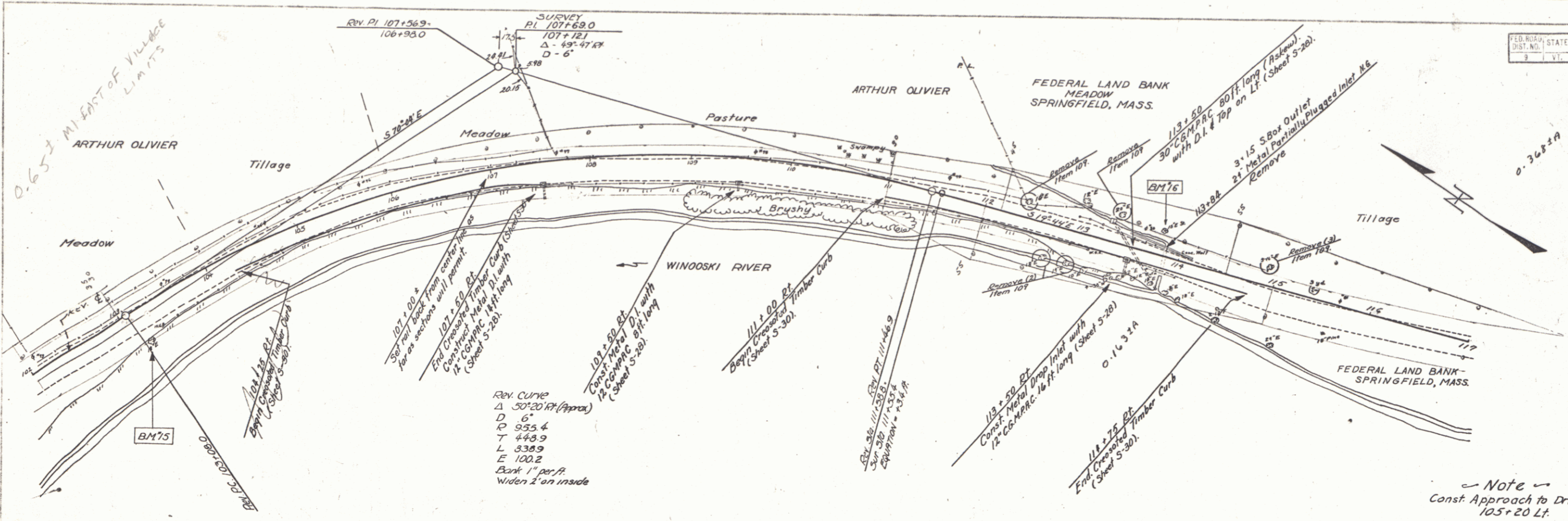
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT				



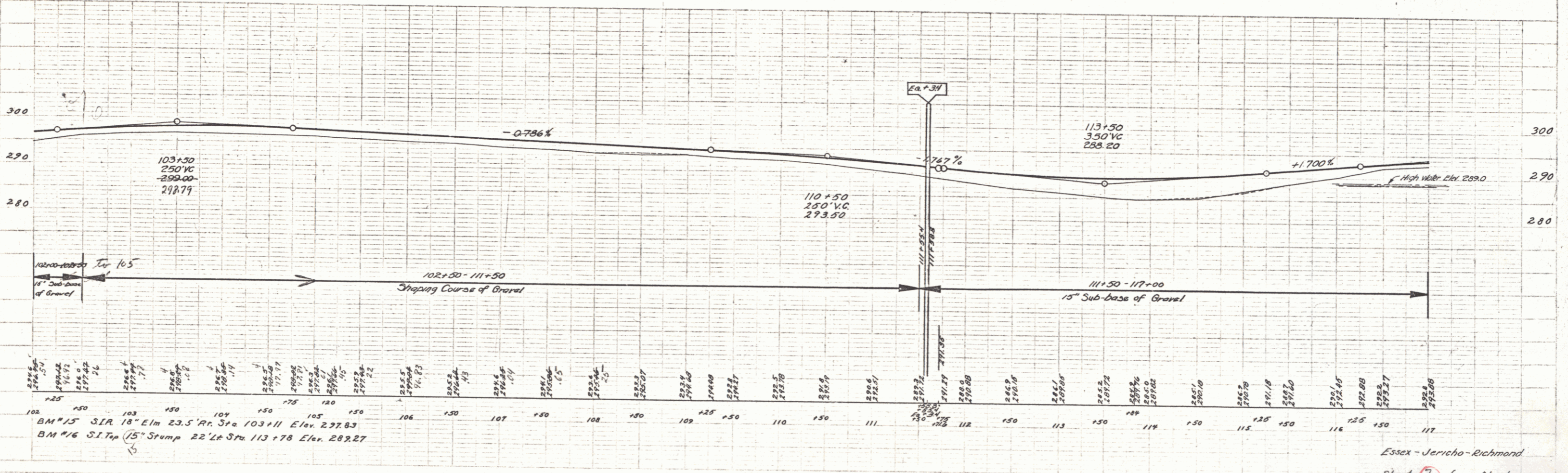
VOID



Scale: 1" = 40' (Horizontal)
1" = 10' (Vertical)

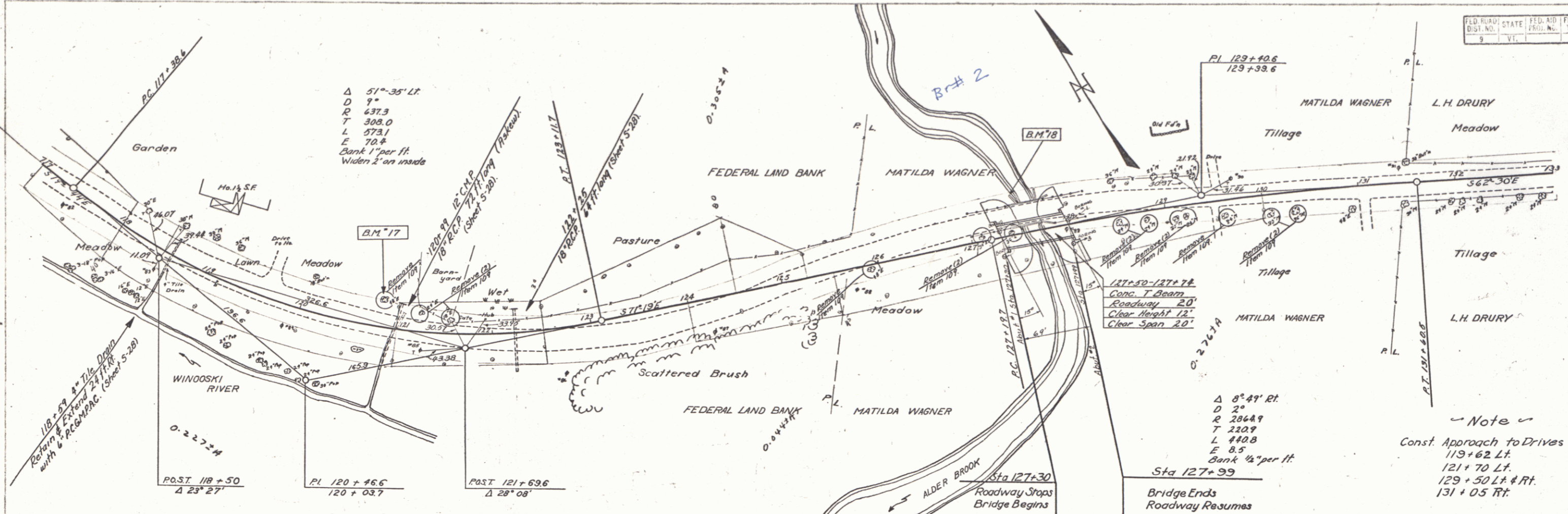


FED. ROAD DIST. NO.	STATE	FISCAL YEAR	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.				



Note
Const Approach to Drive
105+20 Lt.

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



BOILING DATA

Station	1	2	3	4
285	Top Soil and Silt	Topsoil and Silt	Silt and Sand	Topsoil and Silt
280	Sand Clay	Coarse Gravel	Coarse Gravel	Coarse Gravel
275	Coarse Gravel	Coarse Gravel	Coarse Gravel	Coarse Gravel
270	Coarse Gravel	Coarse Gravel	Coarse Gravel	Coarse Gravel
265	Coarse Gravel	Coarse Gravel	Coarse Gravel	Coarse Gravel
260	Coarse Gravel	Coarse Gravel	Coarse Gravel	Coarse Gravel

LIST OF SHEETS (BRIDGE ONLY)

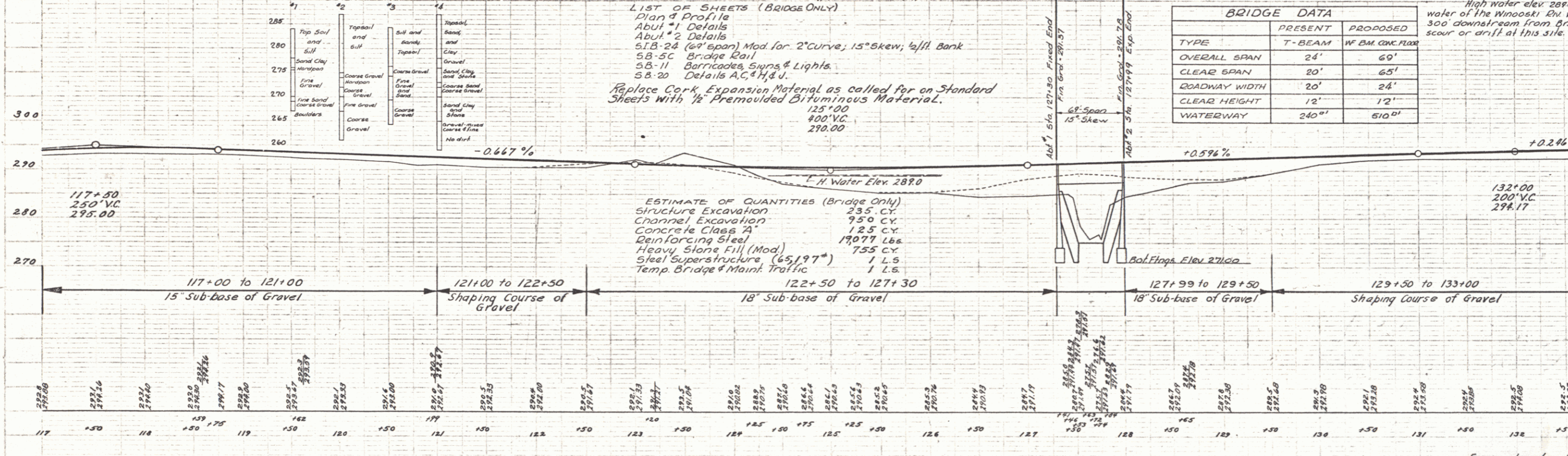
Plan & Profile
 Abut #1 Details
 Abut #2 Details
 S.B. 24 (Ext. Span) Mod. for 2" Curve, 15° Skew, 1/2 ft. Bank
 S.B. 5C Bridge Deck
 S.B. 11 Barricades, Signs, & Lights
 S.B. 20 Details A, C, & H & J.
 Replace Cork Expansion Material as called for on Standard Sheets with 1/2" Pre-molded Bituminous Material.
 125+00
 400' V.C.
 290.00

BRIDGE DATA

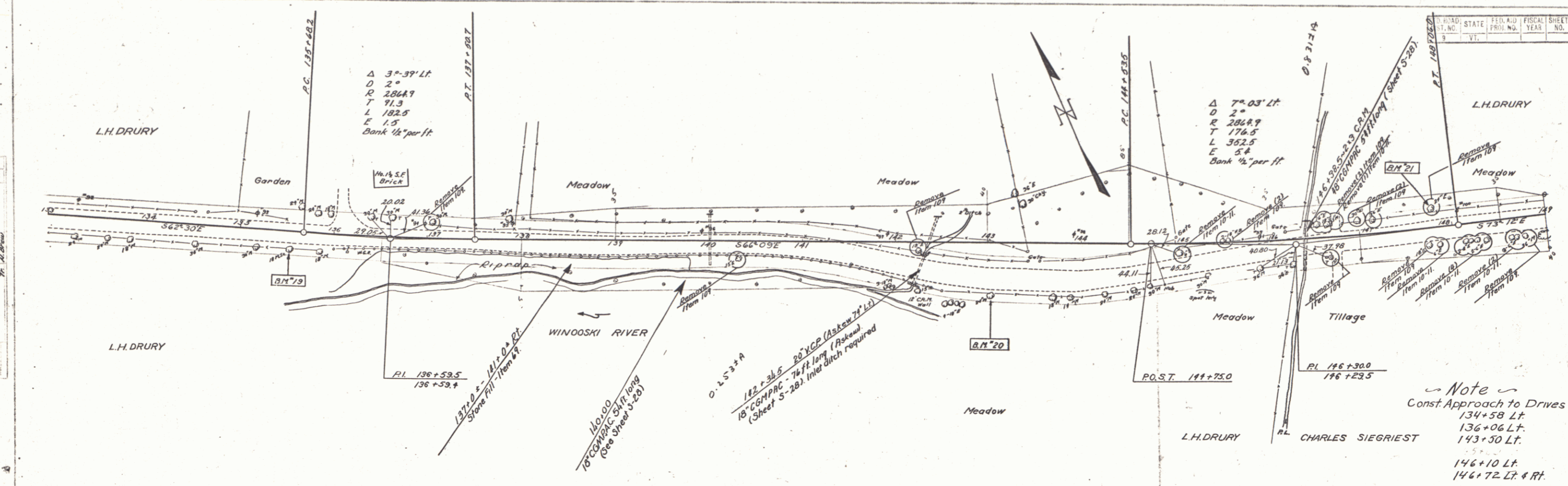
TYPE	PRESENT	PROPOSED
OVERALL SPAN	24'	60'
CLEAR SPAN	20'	65'
ROADWAY WIDTH	20'	24'
CLEAR HEIGHT	12'	12'
WATERWAY	240'	610'

ESTIMATE OF QUANTITIES (Bridge Only)

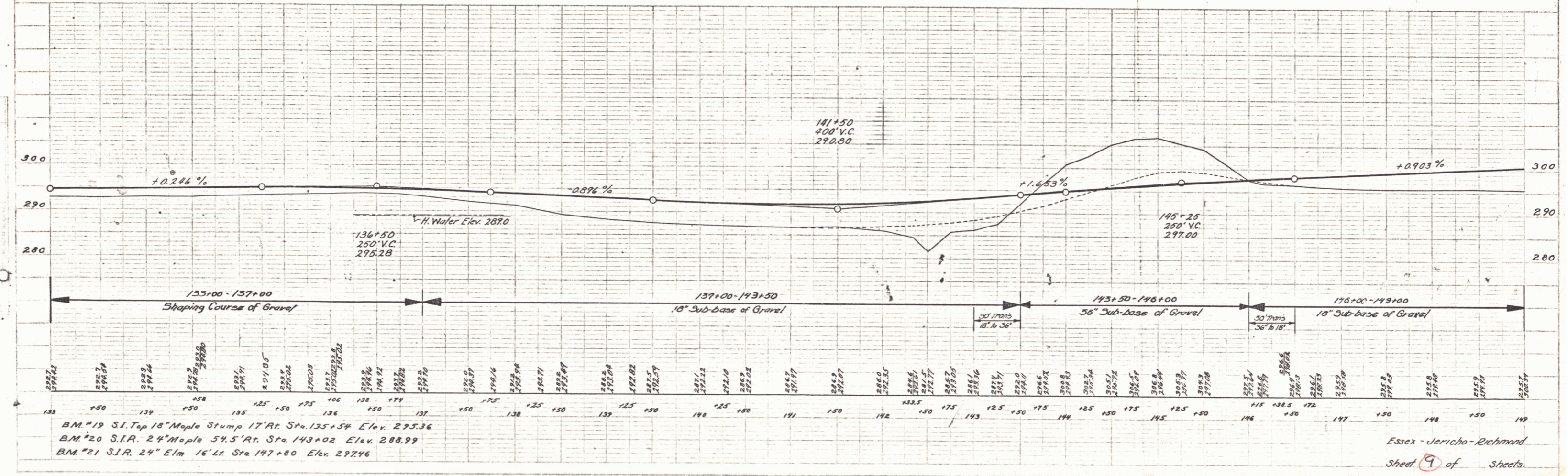
Structure Excavation 235 C.Y.
 Channel Excavation 950 C.Y.
 Concrete Class A 125 C.Y.
 Reinforcing Steel 19077 Lbs.
 Heavy Stone Fill (Mod.) 755 C.Y.
 Steel Superstructure (65,197*) 1 L.S.
 Temp. Bridge & Maint. Traffic 1 L.S.



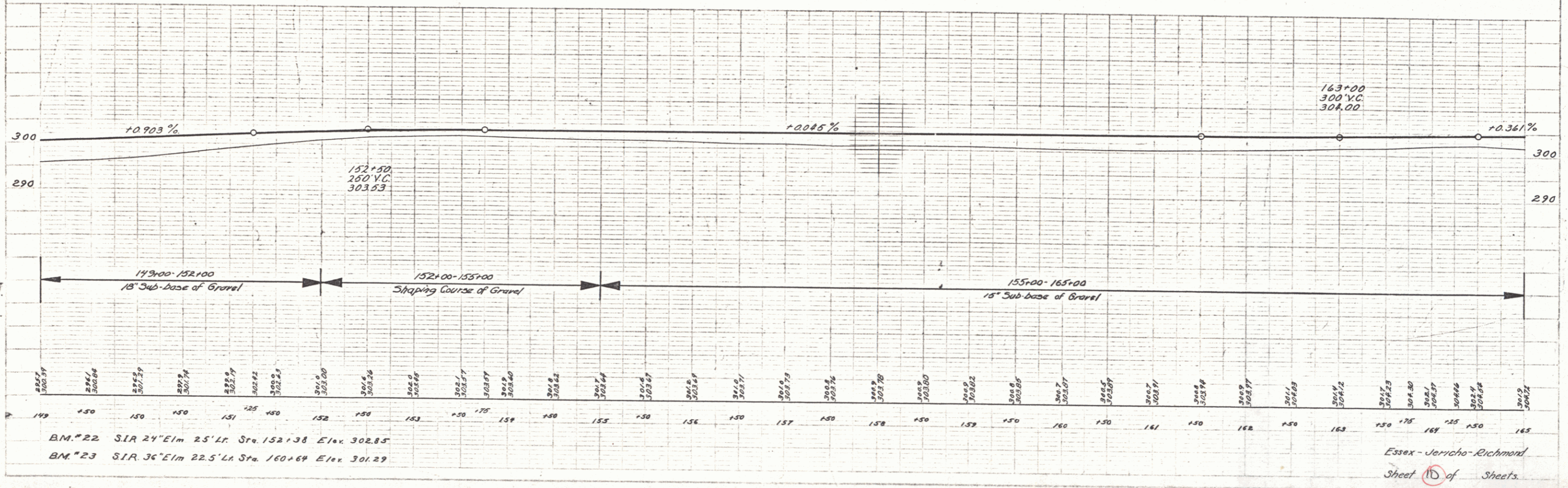
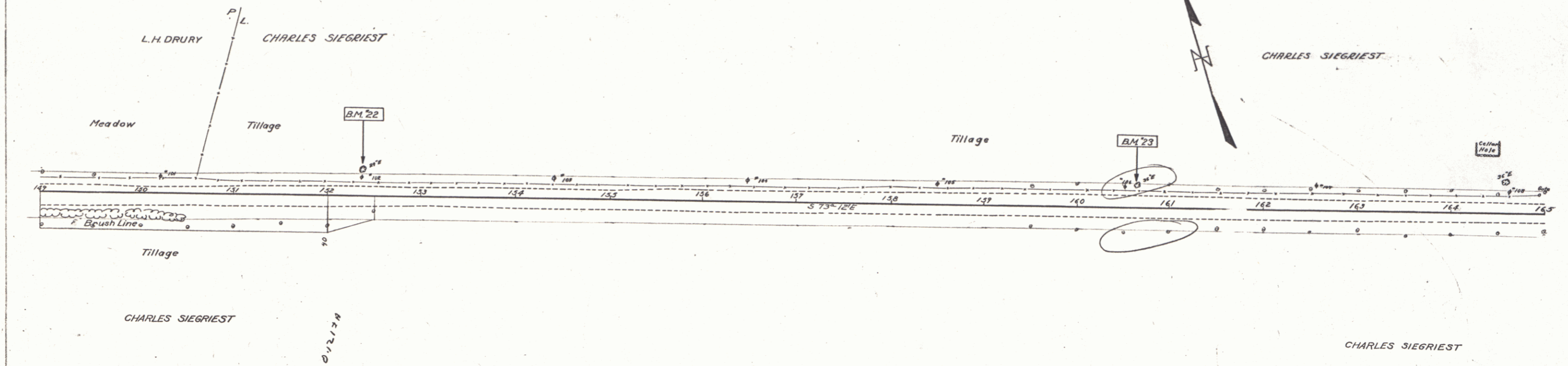
BM #17 S.I.R. 48' Elm 25' Lt. Sta 120+84 Elev. 292.90
 BM #18 Spot on beginning wing 41' Lt. Sta 127+46 Elev. 282.35



Note
 Const Approach to Drives
 134+58 Lt.
 136+06 Lt.
 143+50 Lt.
 146+10 Lt.
 146+72 Lt. & Rt.

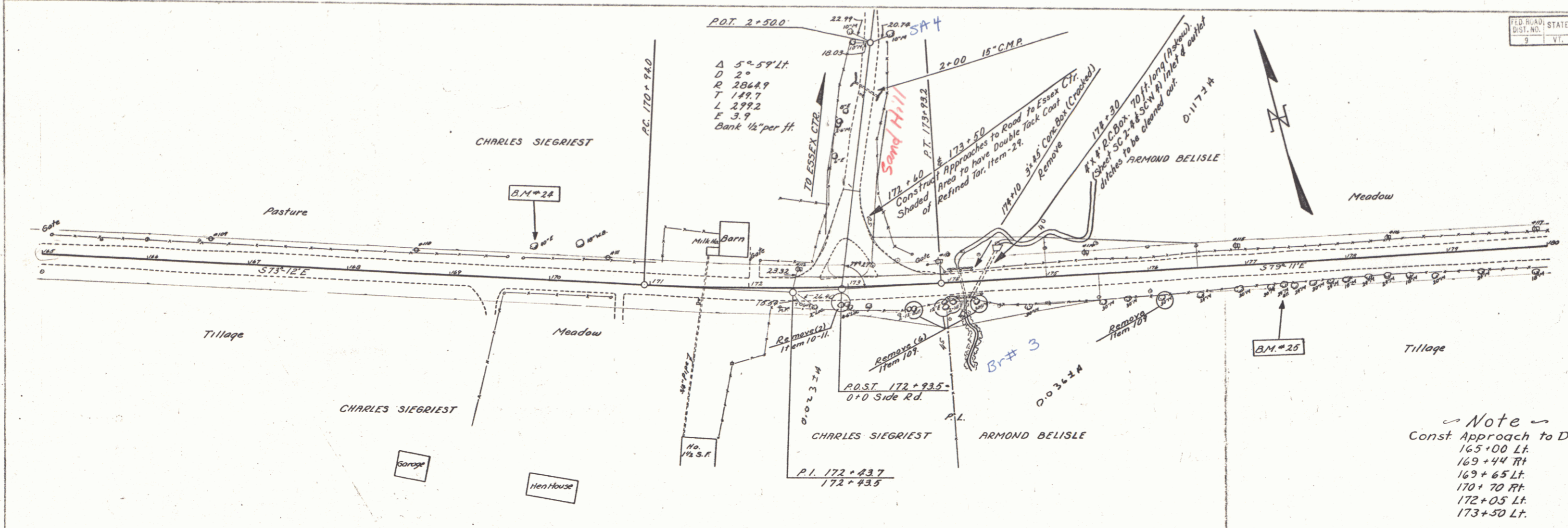


FIELD NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.			

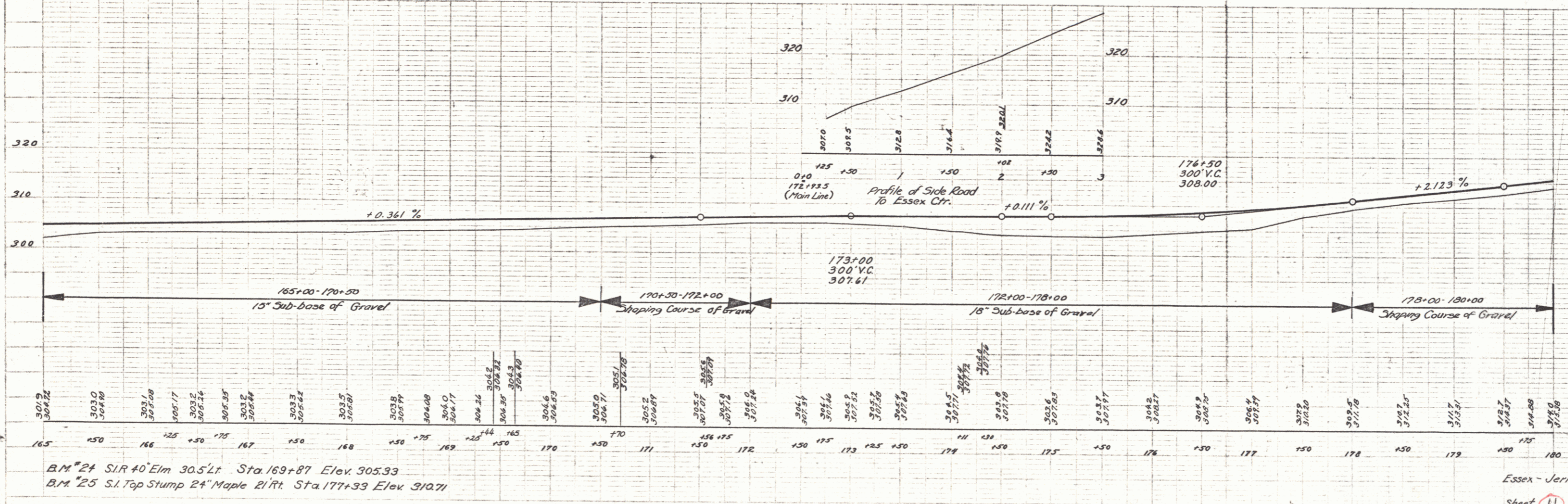


Essex - Jericho - Richmond
Sheet 10 of Sheets.

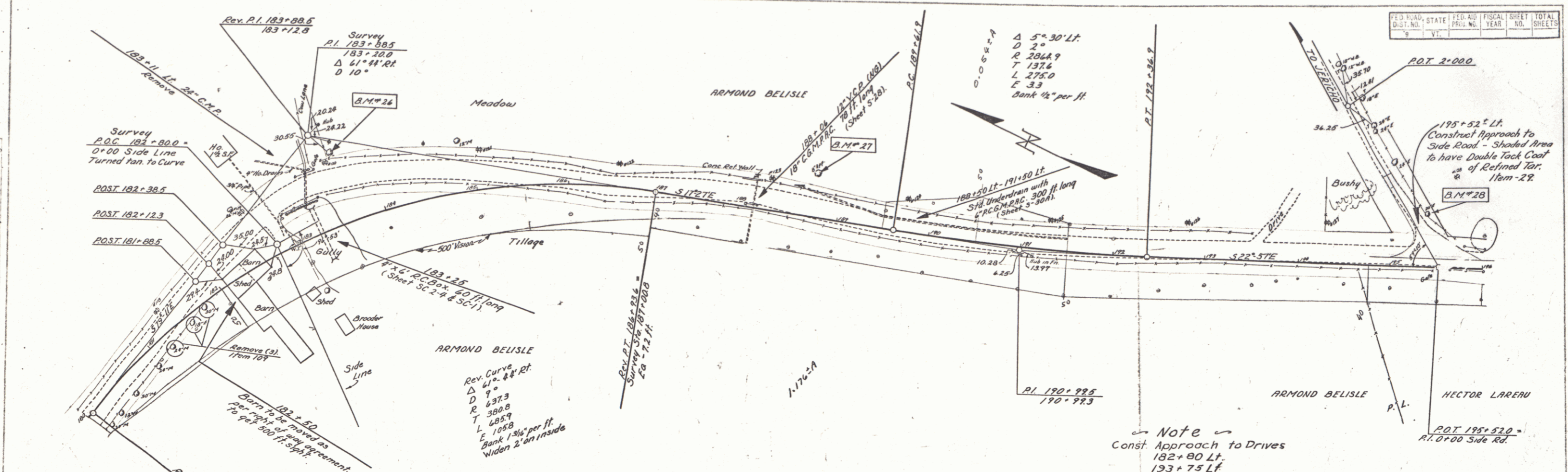
10



Note
 Const Approach to Drives
 165+00 Lt.
 169+44 Rt.
 169+65 Lt.
 170+70 Rt.
 172+05 Lt.
 173+50 Lt.

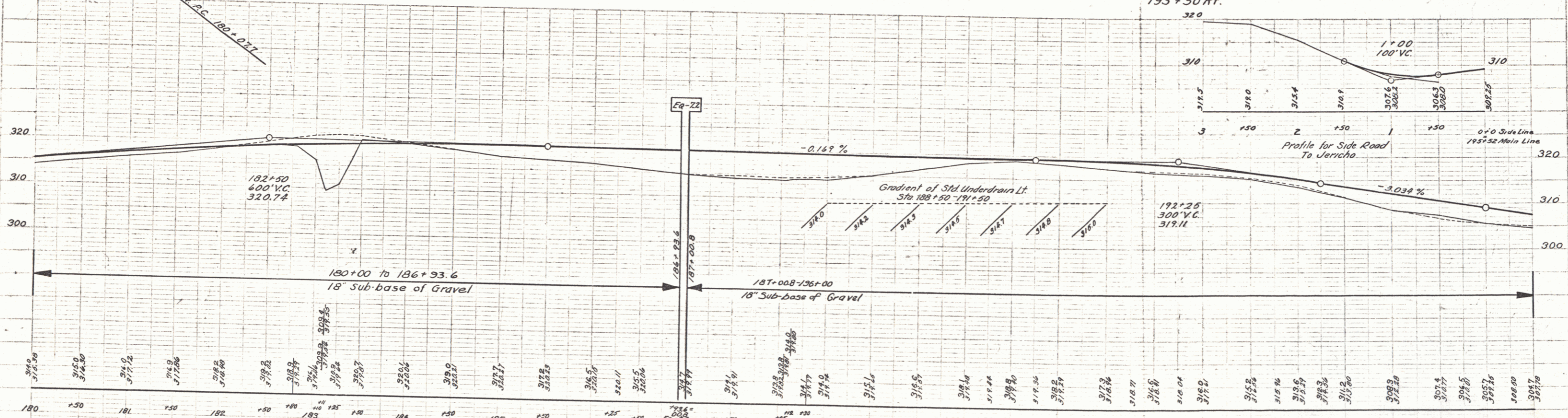


B.M. 24 S.I.R. 40' Elm 30.5' Lt. Sta. 169+87 Elev. 305.33
 B.M. 25 S.I. Top Stump 24' Maple 21' Rt. Sta. 177+39 Elev. 310.71

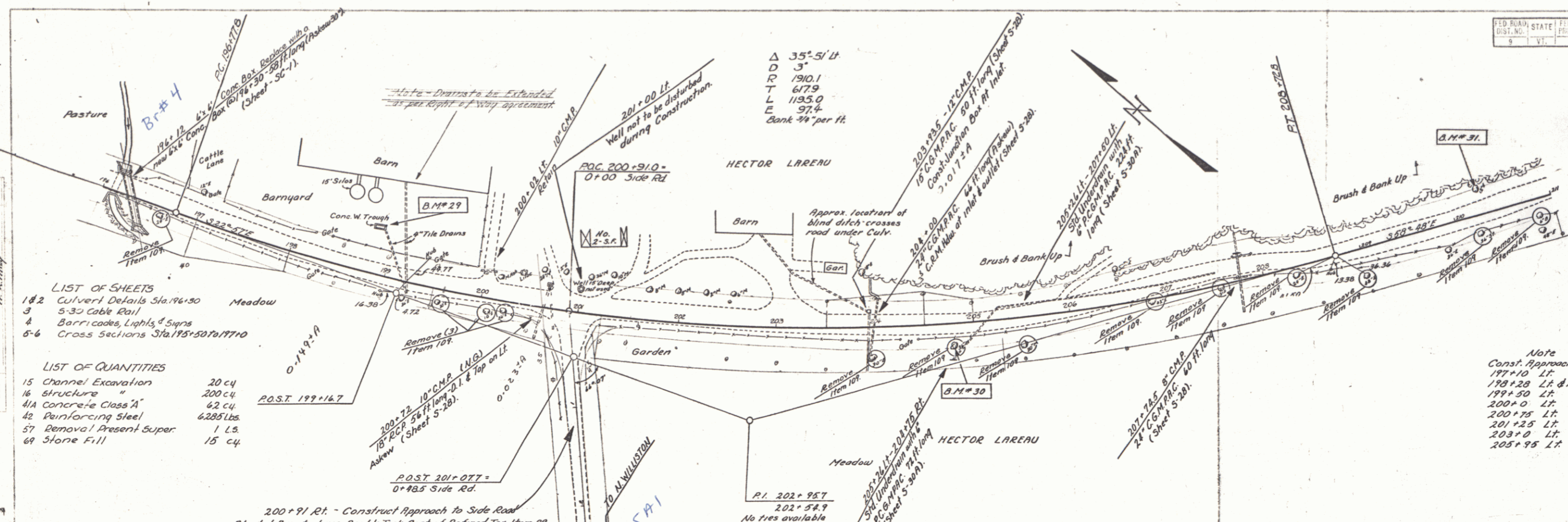


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT			12	12

Note
Const. Approach to Drives
182+80 Lt.
193+75 Lt.
195+50 Rt.

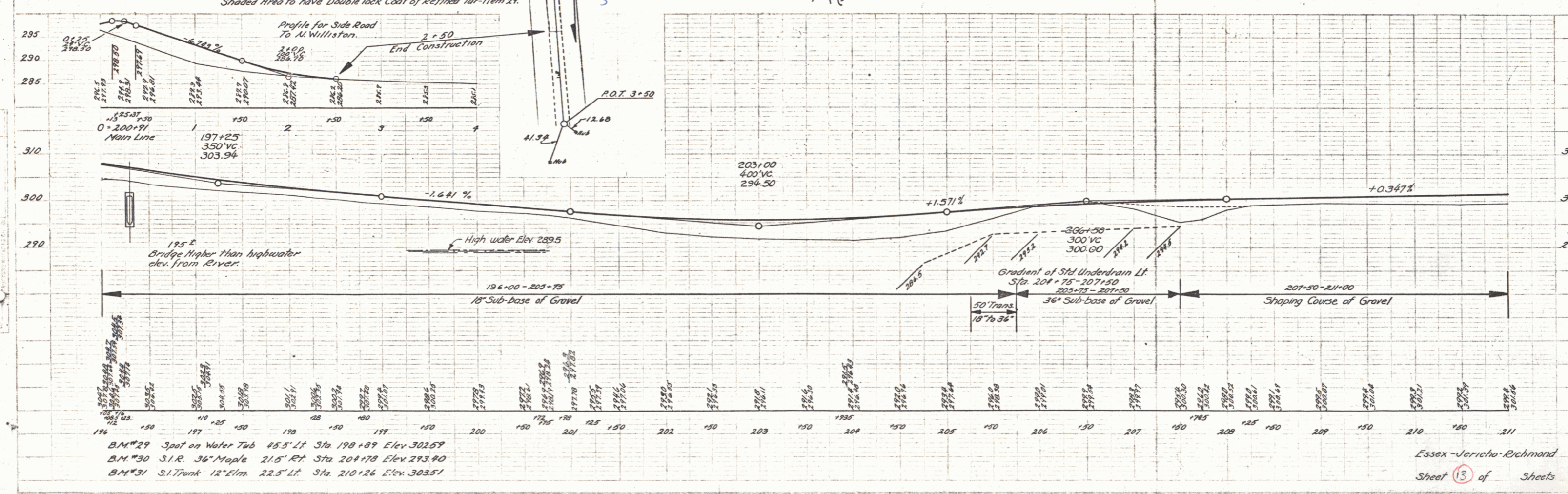


- B.M. #26 S.I.R. 36 Elm 61.5 Lt. Sta 183+68 Elev 321.18
- B.M. #27 S.I.R. 8 Apple 43.5 Lt. Sta 188+72 Elev 320.44
- B.M. #28 S.I.R. 30 Elm. 15.5 Rt. Sta 0+54 (Side Line) Elev 306.17

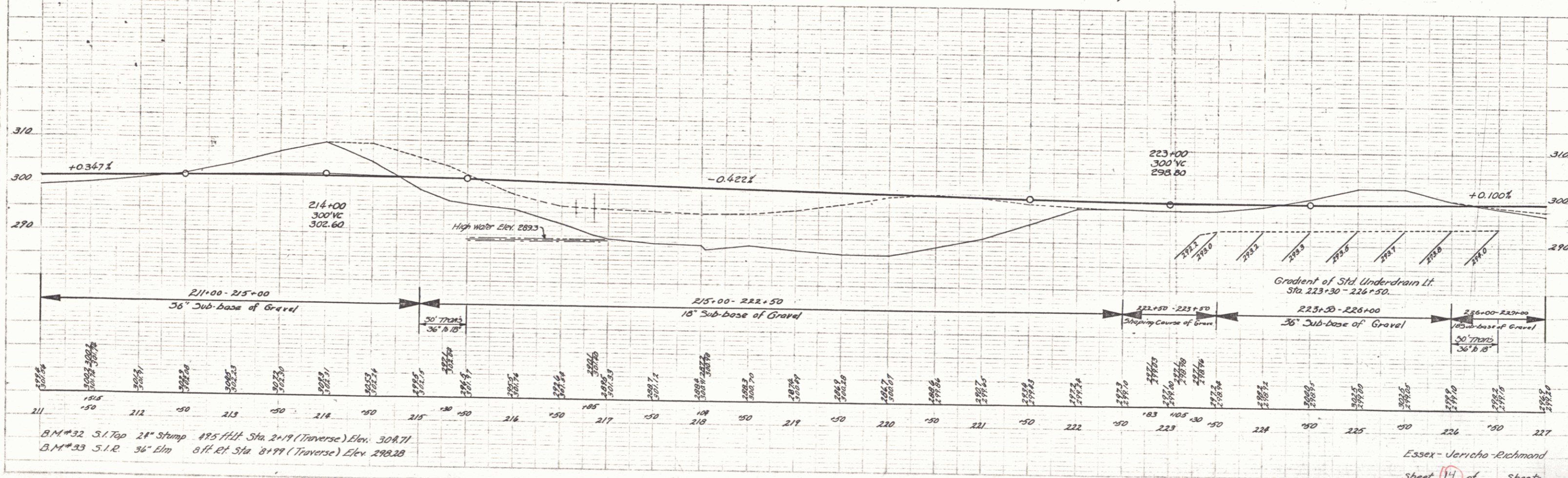
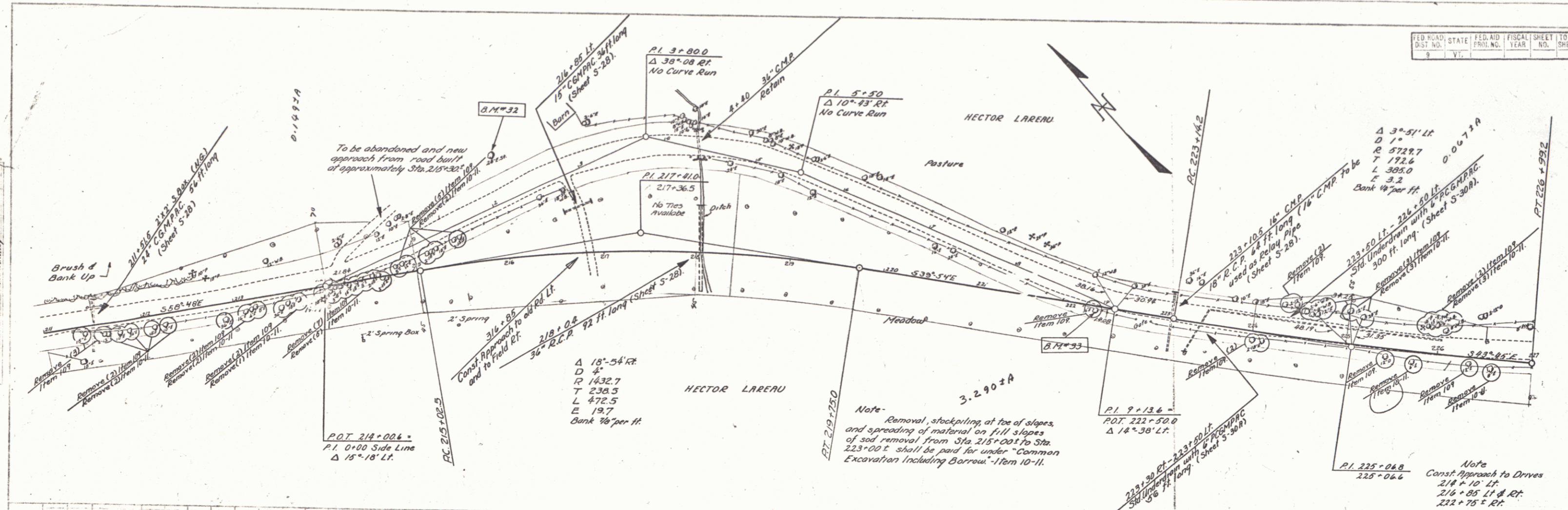


- LIST OF SHEETS**
- 18-2 Culvert Details Sta. 196+50
 - 3 5-32 Cable Rail
 - 4 Barri-codes, Lights & Signs
 - 5-6 Cross Sections Sta. 195+50 to 197+10
- LIST OF QUANTITIES**
- | | |
|--------------------------|-----------|
| 15 Channel Excavation | 20 cu |
| 16 Structure " | 200 cu |
| 41A Concrete Class "A" | 62 cu |
| 42 Reinforcing Steel | 6285 lbs. |
| 57 Removal Present Super | 1 L.S. |
| 69 Stone Fill | 15 cu |

Note
Const. Approach to Drives
197+10 Lt.
198+28 Lt. & Rt.
199+50 Lt.
200+00 Lt.
200+75 Lt.
201+25 Lt.
203+00 Lt.
205+95 Lt.

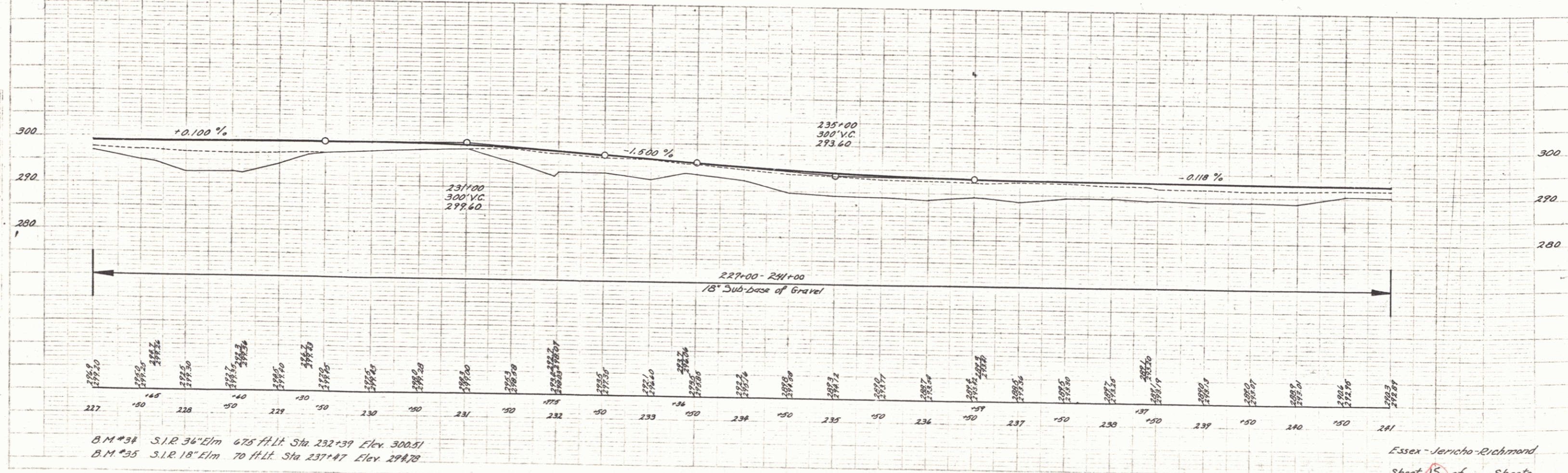
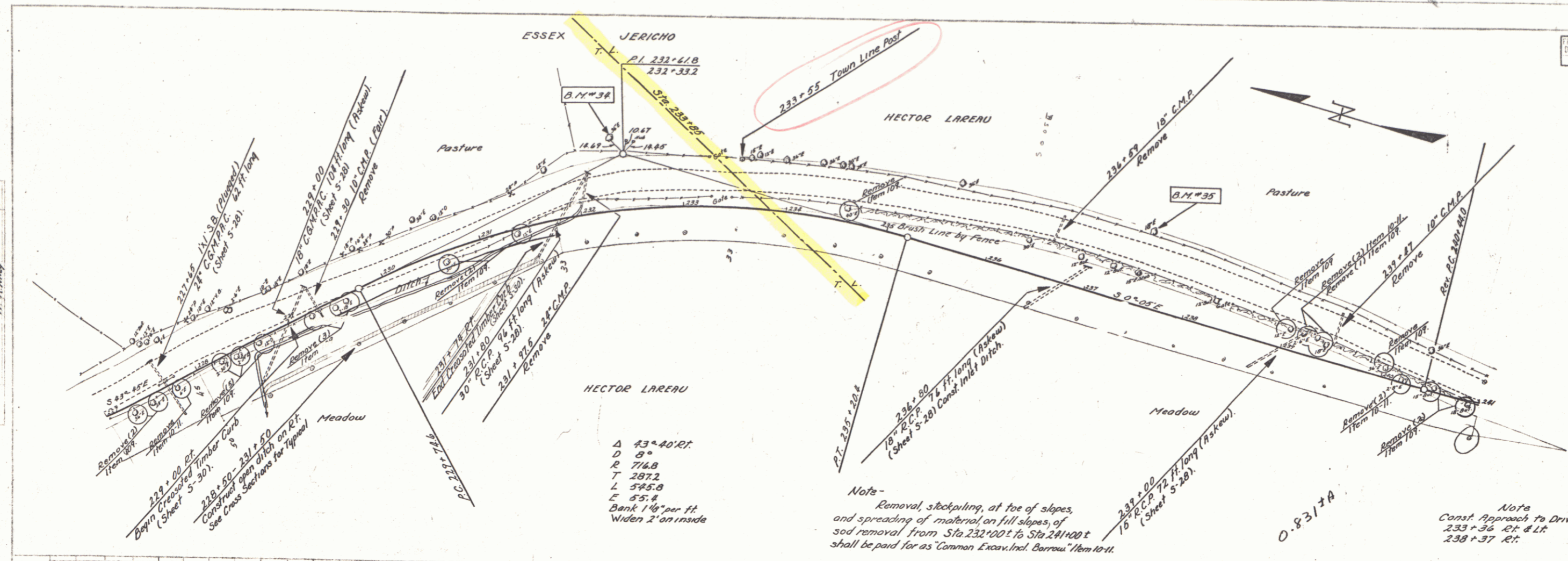


B.M.#29 Spot on Water Tub 45.5' Lt. Sta. 198+89 Elev. 302.57
B.M.#30 S.I.R. 36" Maple 21.5' Rt. Sta. 201+78 Elev. 293.90
B.M.#31 S.I. Trunk 12" Elm. 22.5' Lt. Sta. 210+26 Elev. 303.51



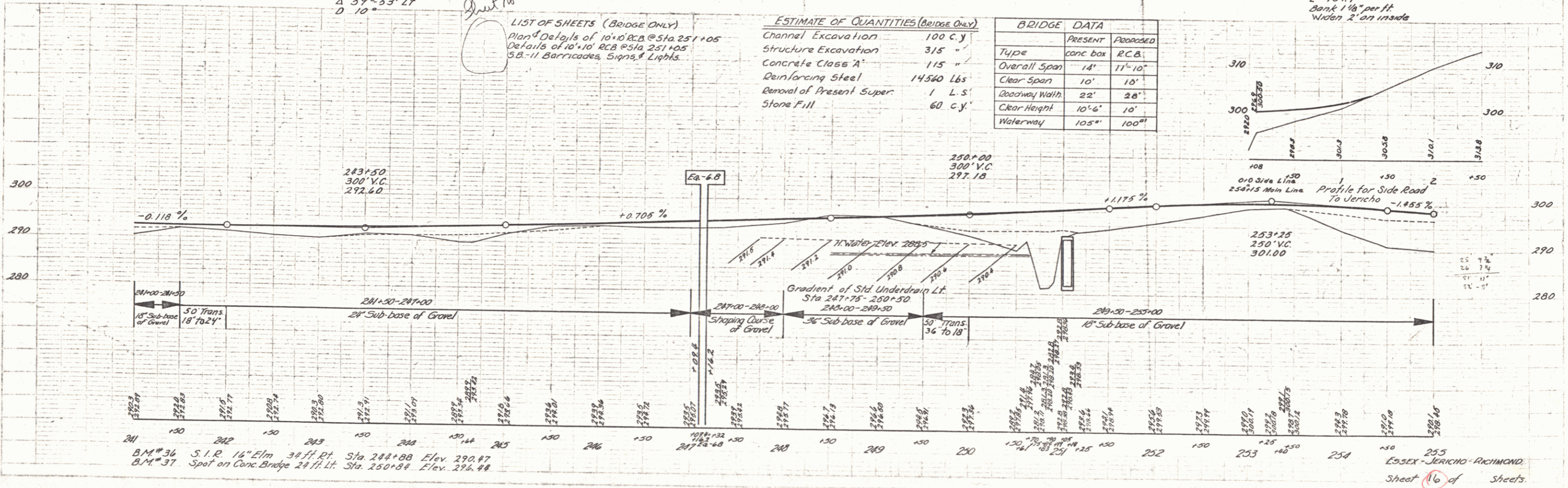
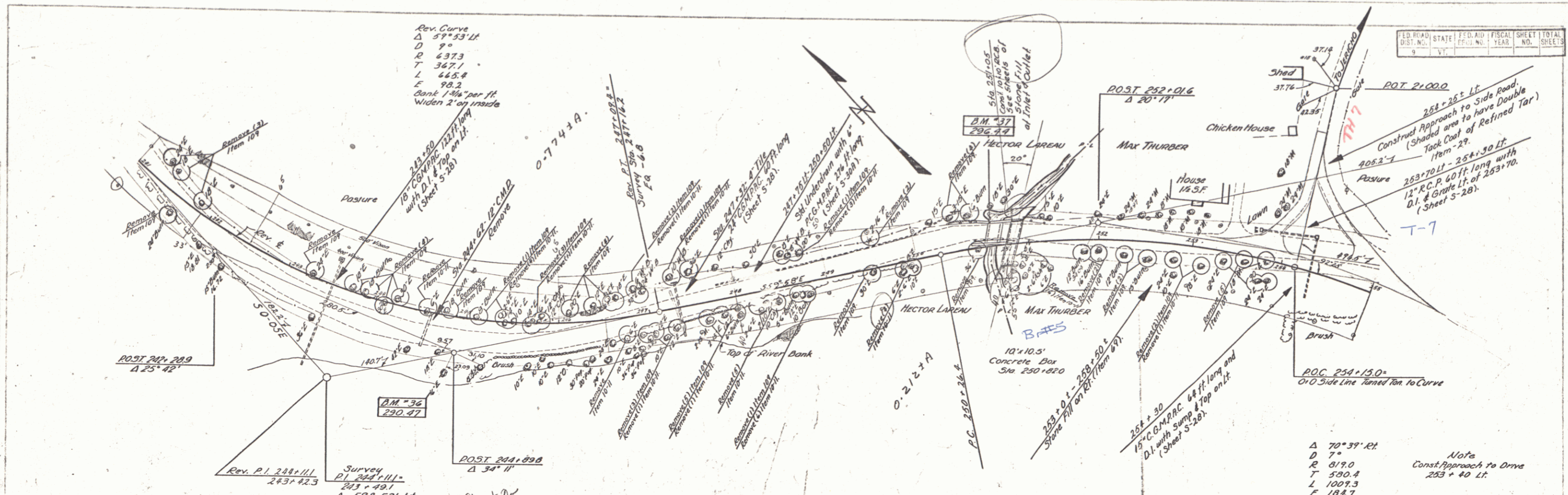
B.M.#32 S.I. Top 24" Stump 475' Hgt. Sta. 2+19 (Traverse) Elev. 308.71
 B.M.#33 S.I.R. 36" Elm 81' Ht. Sta. 8+99 (Traverse) Elev. 298.28

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	Vt.			15	



B.M. #34 S.I.R. 34' Elm 675 ft. Lt. Sta. 232+39 Elev. 300.51
 B.M. #35 S.I.R. 18' Elm 70 ft. Lt. Sta. 237+47 Elev. 294.78

15



LIST OF SHEETS (BRIDGE ONLY)
 Plan Details of 10' x 10' R.C.B. @ Sta. 251+05
 Details of 10' x 10' R.C.B. @ Sta. 251+05
 S.B. - 11 Barricades, Signs, & Lights.

ESTIMATE OF QUANTITIES (BRIDGE ONLY)

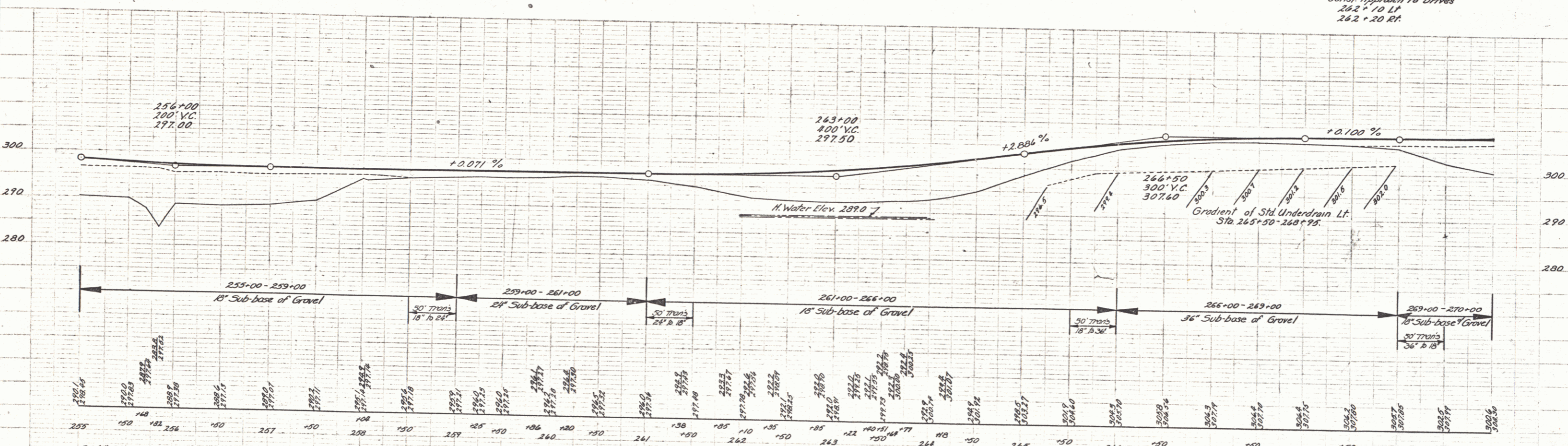
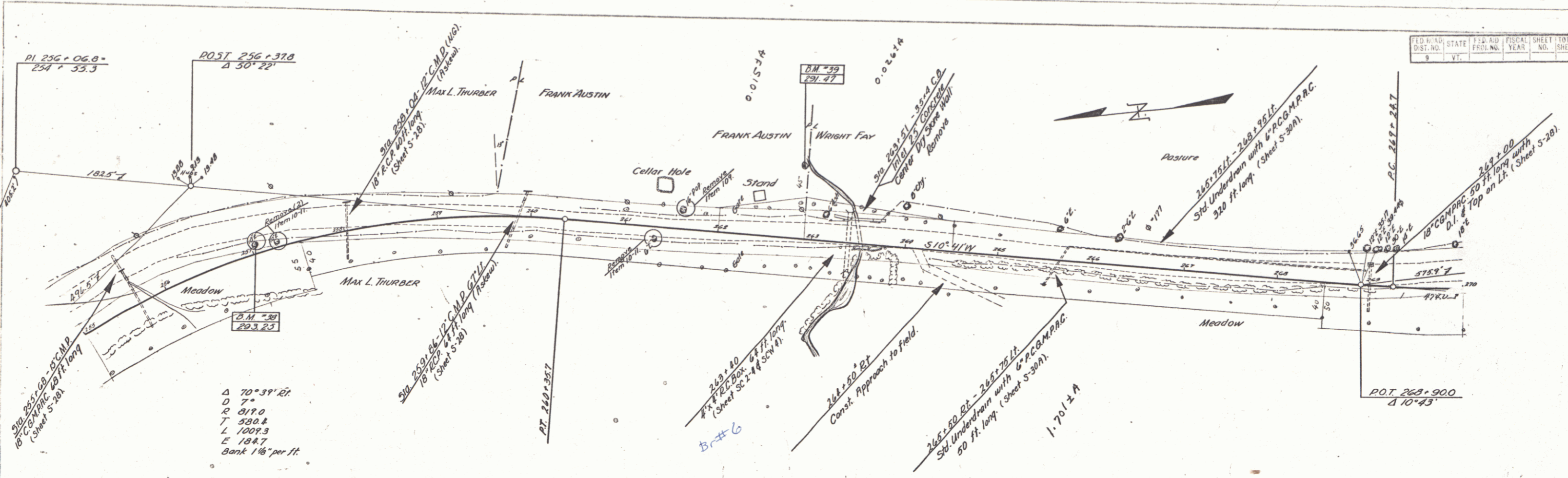
Channel Excavation	100 C.Y.
Structure Excavation	315 "
Concrete Class 'A'	115 "
Reinforcing Steel	14560 Lbs.
Removal of Present Super	1 L.S.
Stone Fill	60 C.Y.

BRIDGE DATA

Type	PRESENT	PROPOSED
Concrete Box		R.C.B.
Overall Span	14'	11'-10"
Clear Span	10'	10'
Roadway Width	22'	26'
Clear Height	10'-6"	10'
Waterway	105'	100'

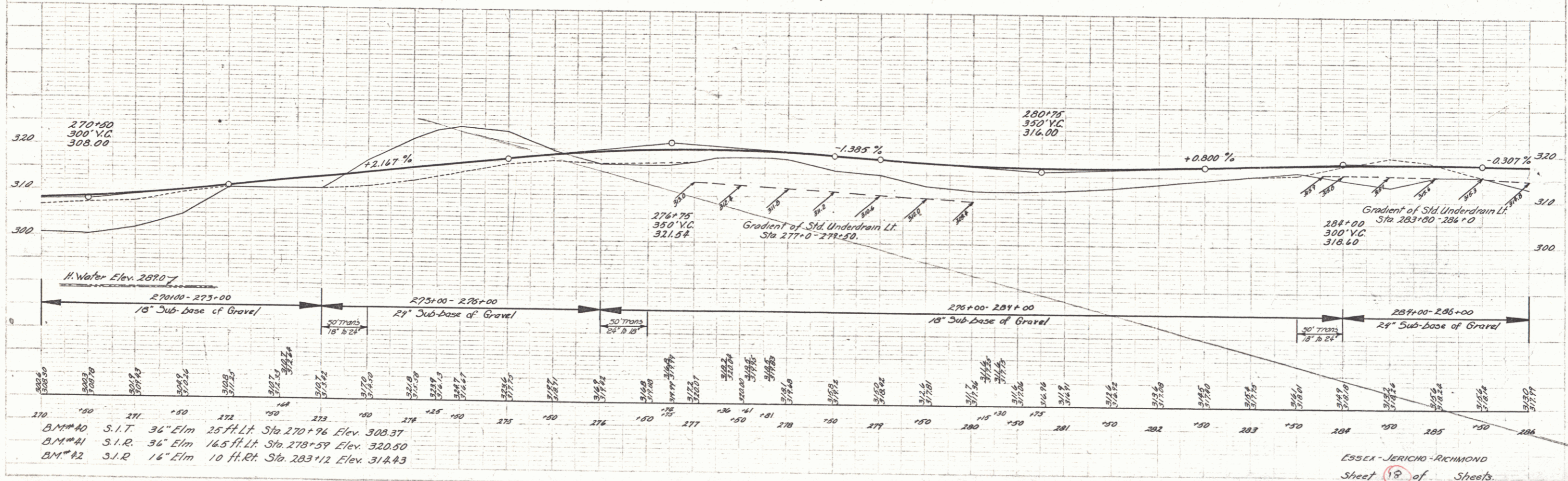
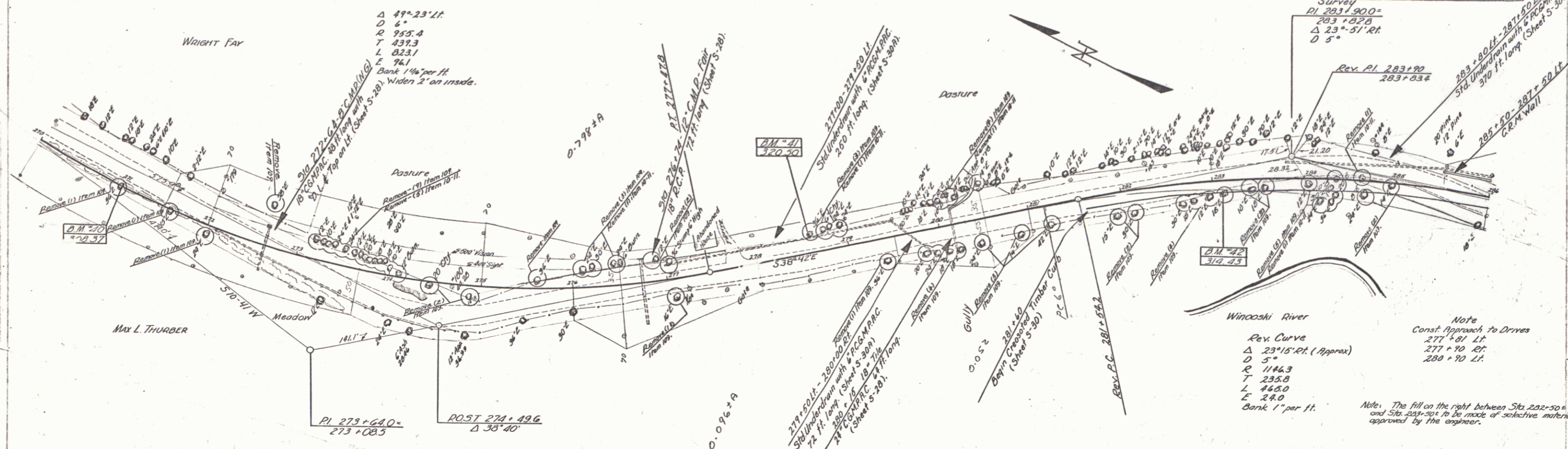
BM # 36 S.I.R. 16" Elm 34 ft. Pt. Sta. 244+88 Elev. 290.87
 B.M. # 37 Spot on Conc. Bridge 24 ft. Lt. Sta. 250+84 Elev. 296.48

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



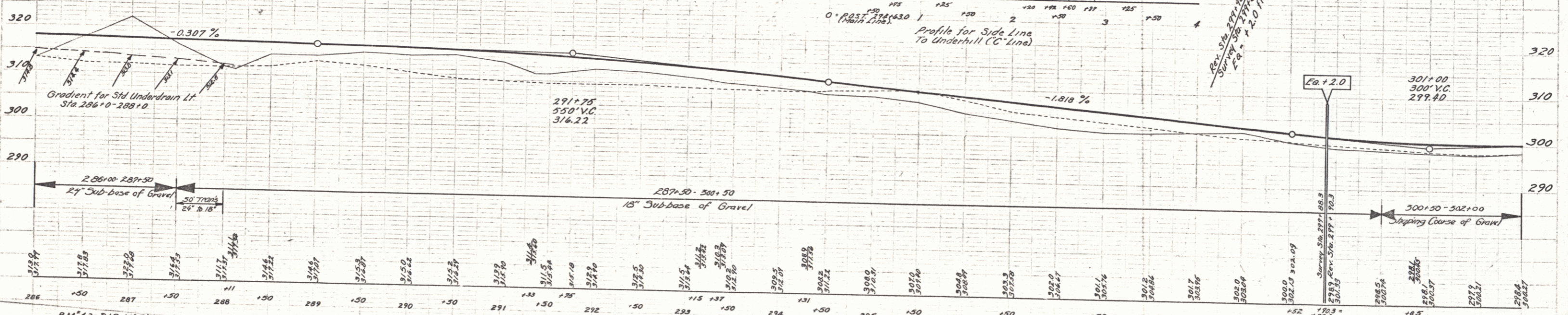
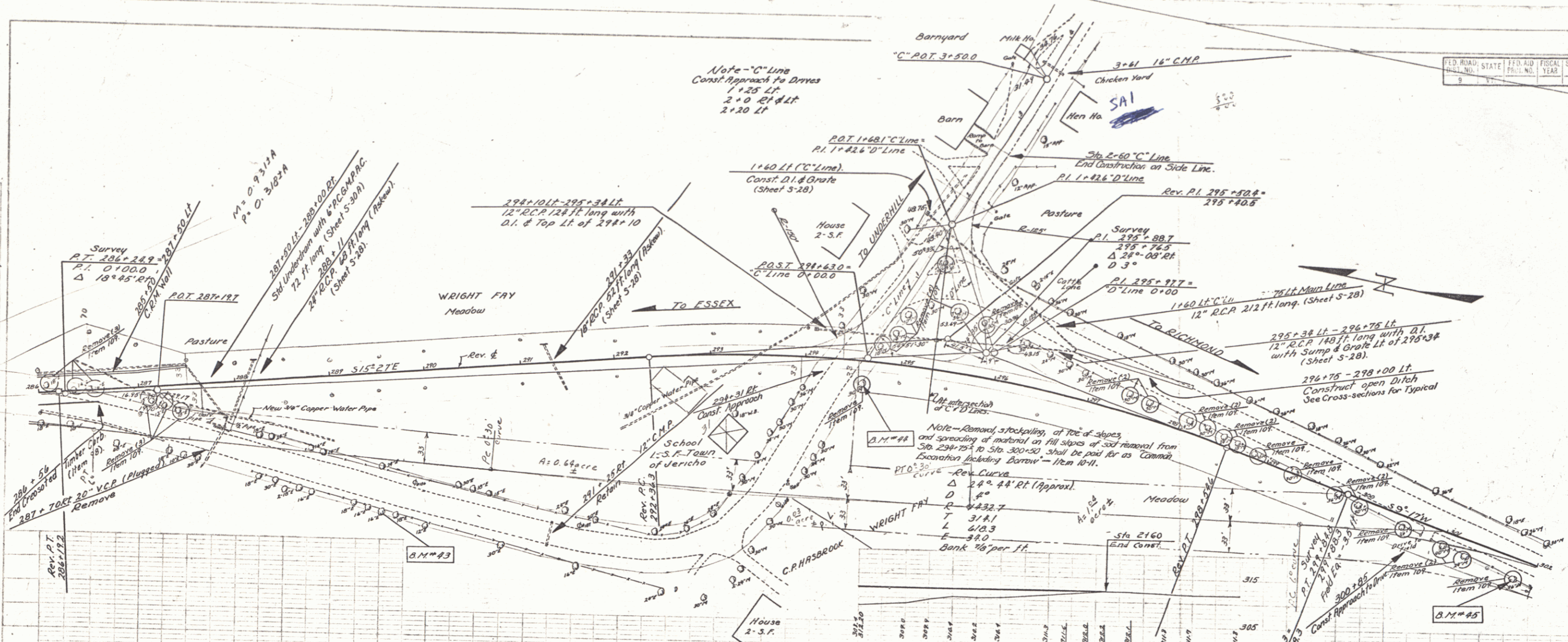
B.M. 38 S.I. Tump 10' Elm 11.5 ft. Lt Sta 257+03 Elev. 293.25
 B.M. 39 Spot on Boulder 77.5 ft. Lt Sta 262+87 Elev. 291.47

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



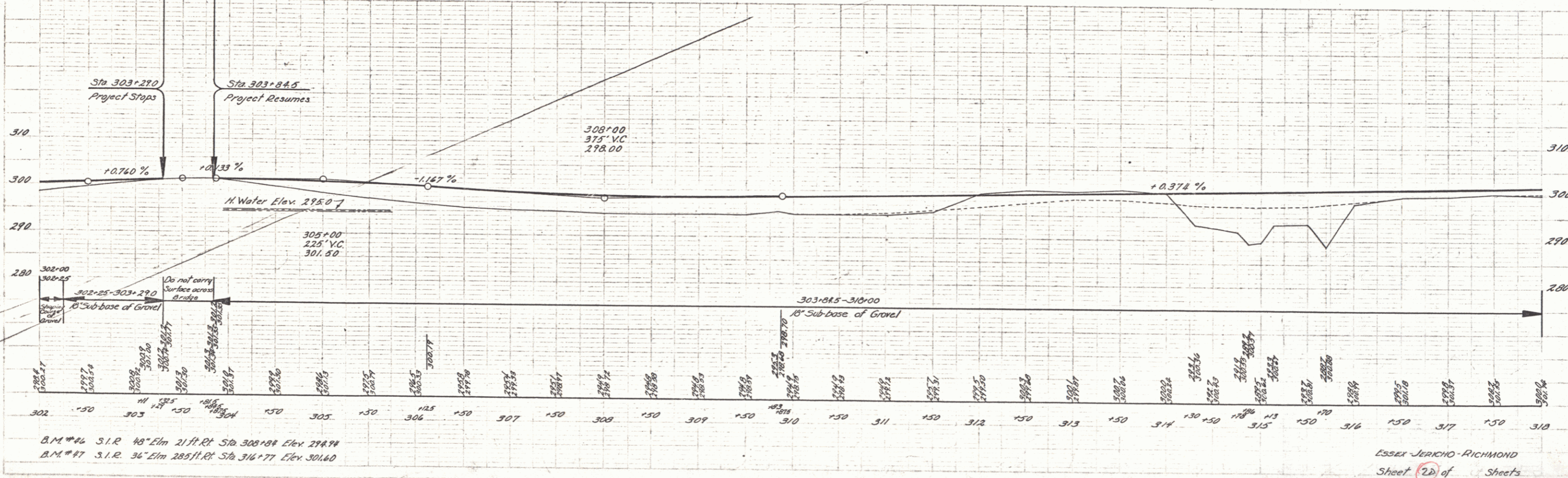
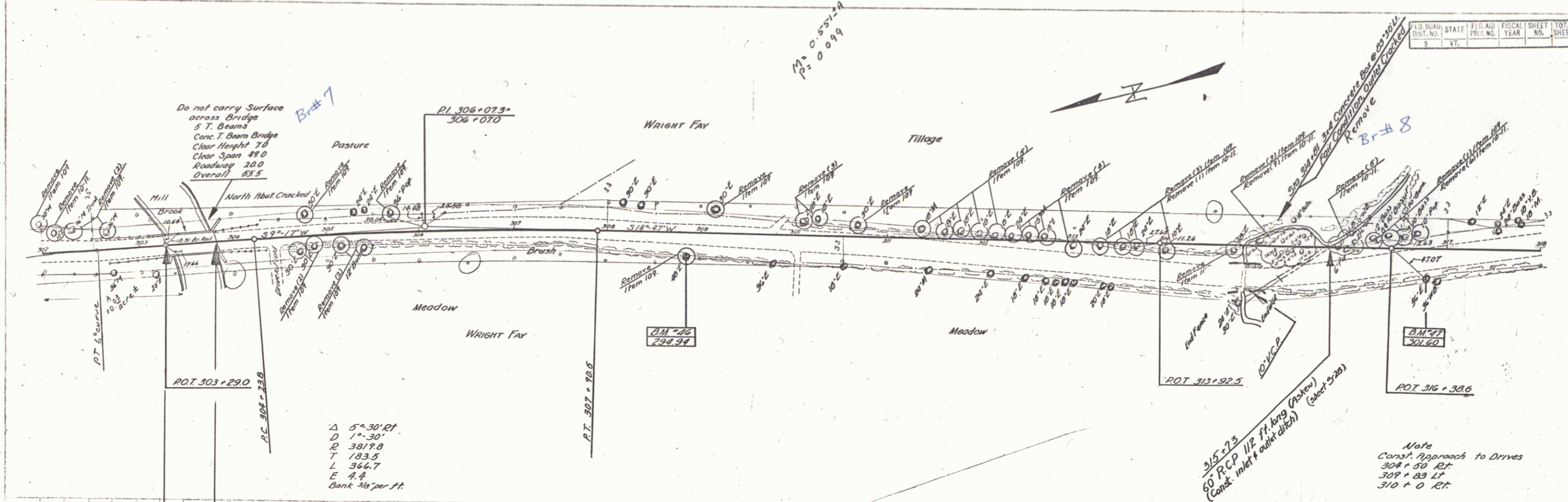
PLAN
Scale
A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

B.M. #40 S.I.T. 36" Elm 25 ft. Lt. Sta. 270+96 Elev. 308.37
B.M. #41 S.I.R. 36" Elm 16.5 ft. Lt. Sta. 278+59 Elev. 320.50
B.M. #42 S.I.R. 16" Elm 10 ft. Rt. Sta. 283+12 Elev. 314.43



BM 43 - S.I.R. 16' Elm 134' Rt. Sta. 289+46, Elev. 312.69
 BM 44 - S.I.R. 30' Maple 7' Rt. Sta. 294+58, Elev. 309.78
 BM 45 - S.I.R. 36' Maple 21' Rt. Sta. 301+80, Elev. 297.73

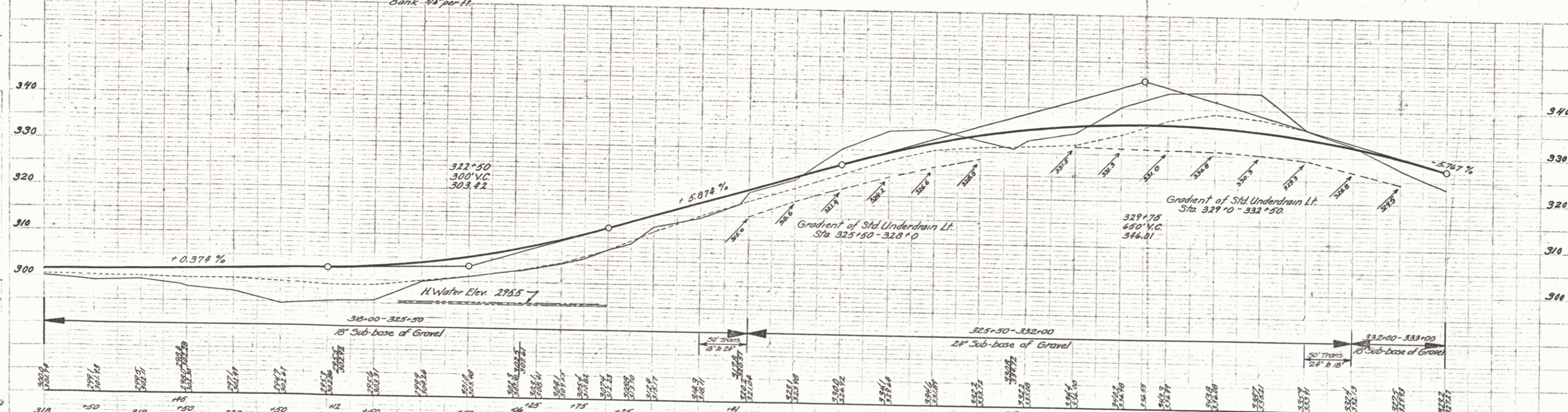
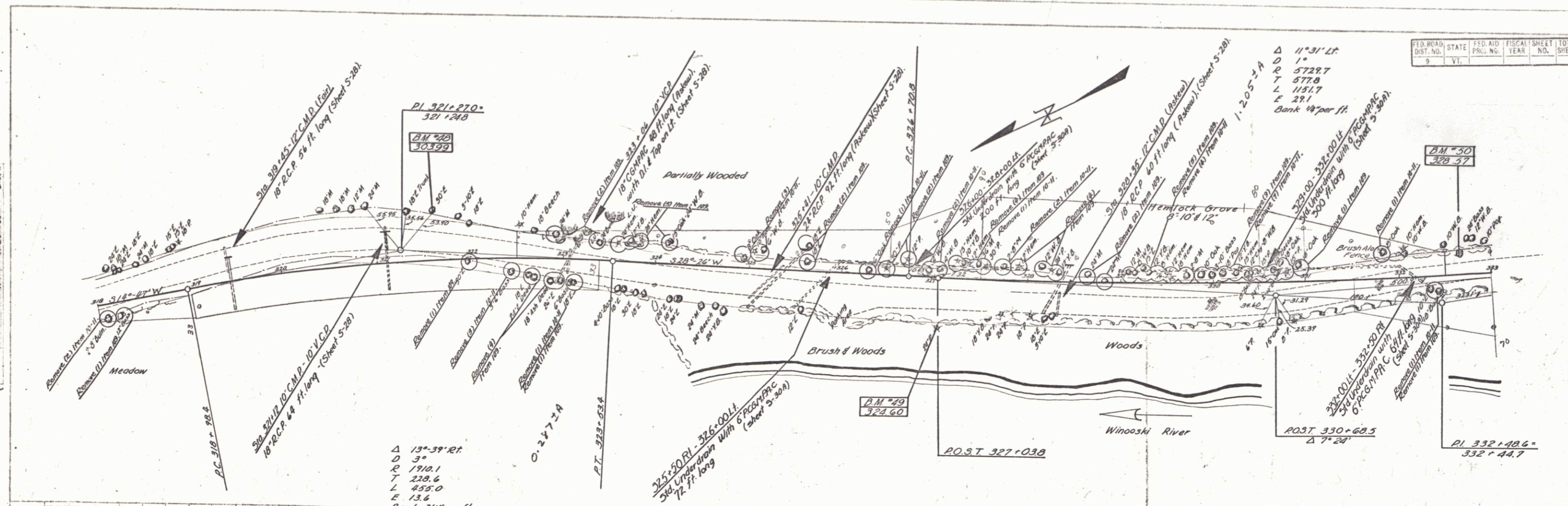
F.D. ROAD DIST. NO.	STATE	F.D. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.				



B.M. #46 S.I.R. 48" Elm 21 ft. Rt. Sta. 308+94 Elev. 294.94
 B.M. #47 S.I.R. 36" Elm 285 ft. Rt. Sta. 316+71 Elev. 304.60

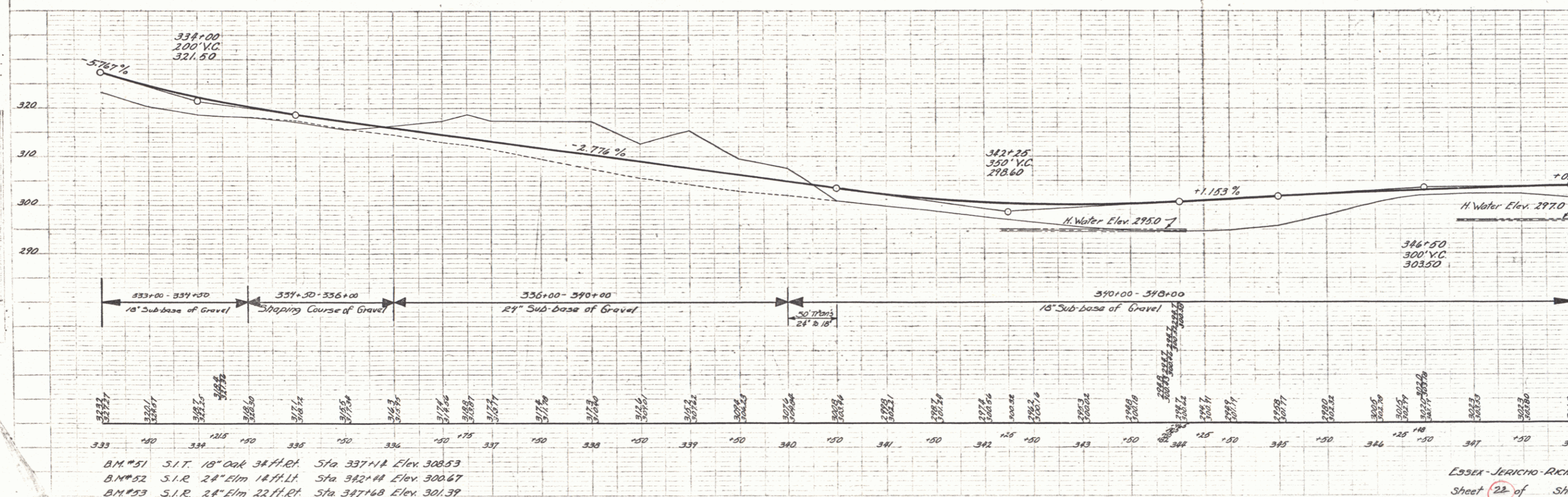
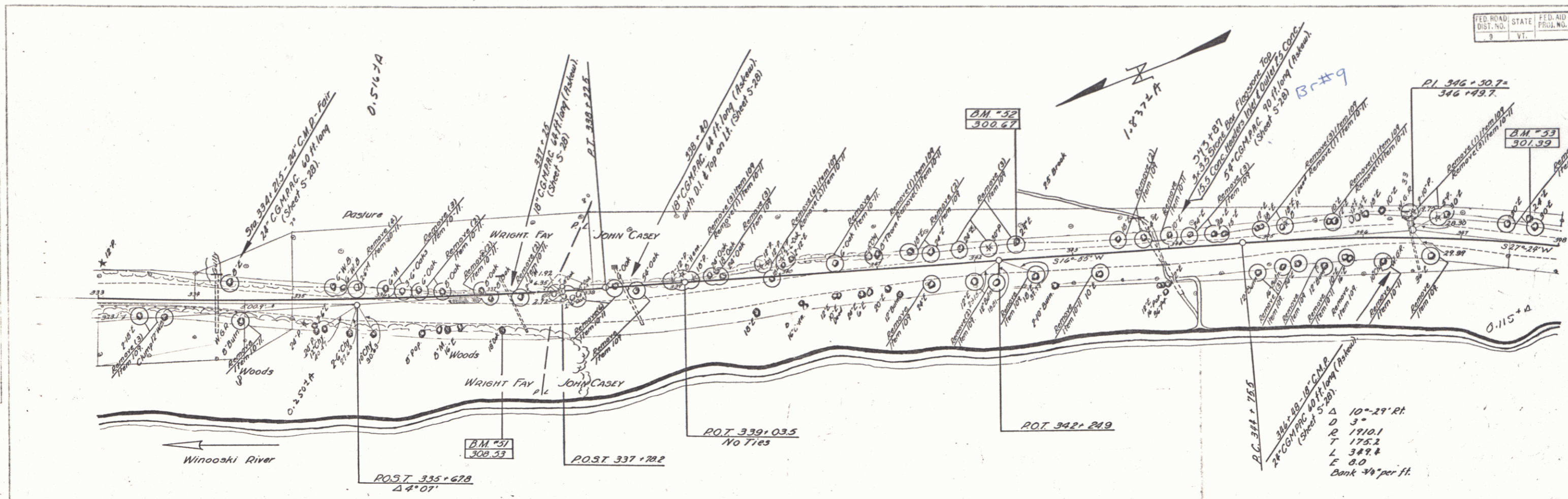
Essex JERICHO-RICHMOND
 Sheet 20 of 20

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



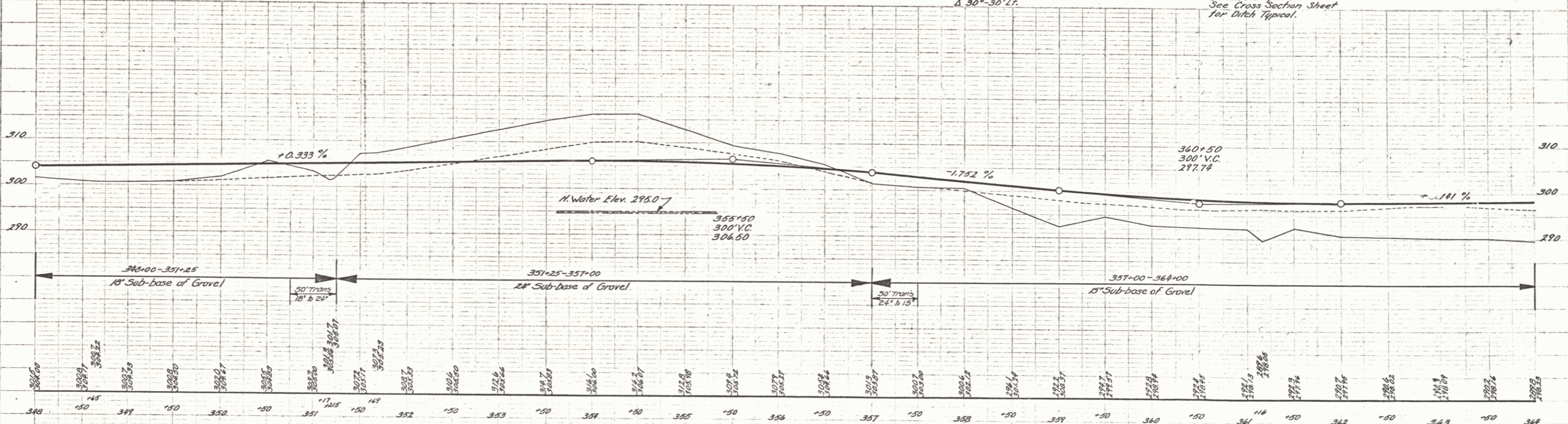
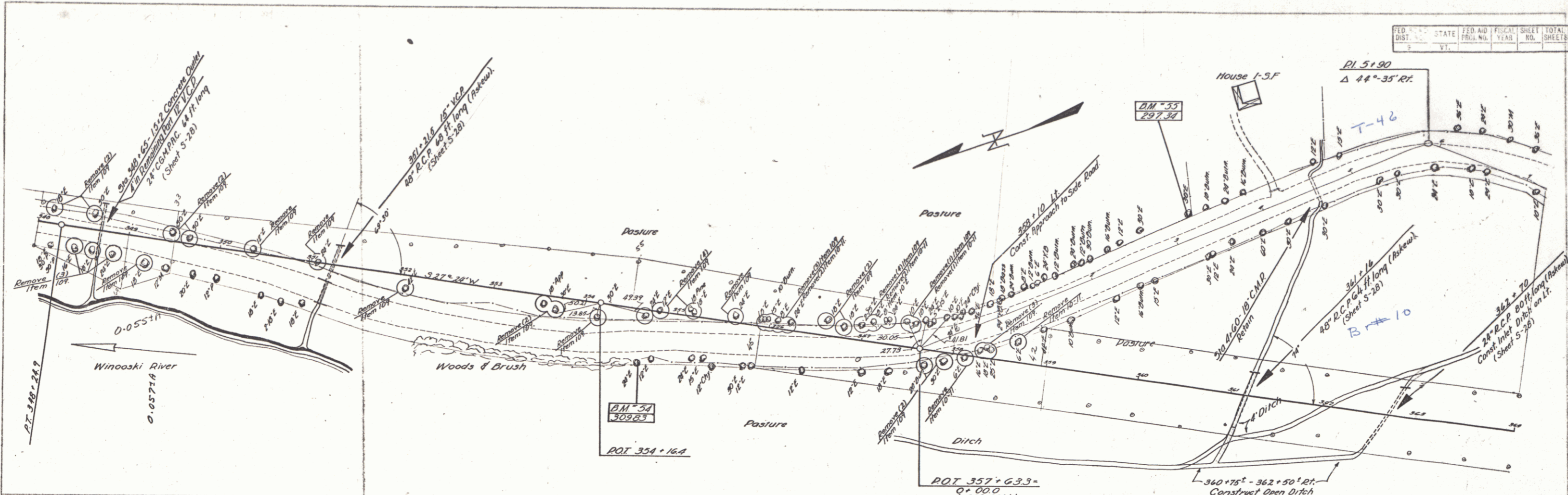
B.M. #28 S.I.R. 30" Elm 49 ft. Lt. Sta. 321+40 Elev. 303.99
 B.M. #29 S.I.R. 24" Pine 53 ft. Rt. Sta. 327+03 Elev. 324.60
 B.M. #50 Spot on Boulder 20 ft. Lt. Sta. 332+71 Elev. 328.57

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



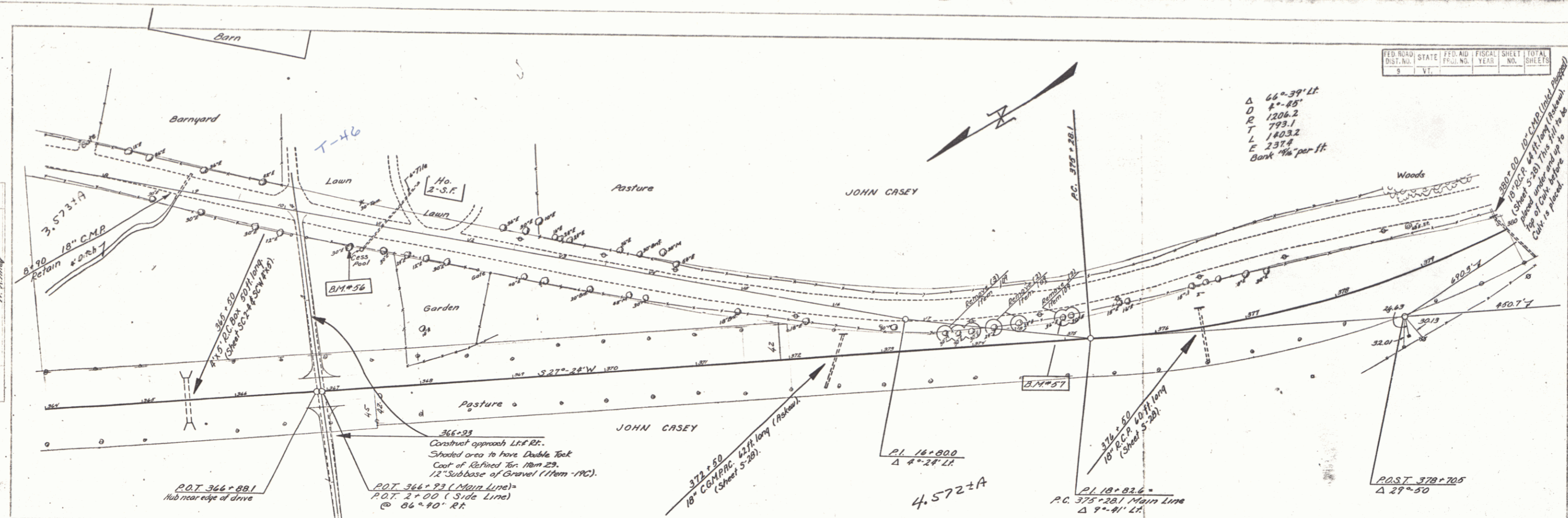
B.M. #51 S.I.R. 18" Oak 34 ft. Ht. Sta 337+14 Elev. 308.53
 B.M. #52 S.I.R. 24" Elm 18 ft. Ht. Sta 342+14 Elev. 300.67
 B.M. #53 S.I.R. 24" Elm 22 ft. Ht. Sta 347+68 Elev. 301.39

Essex-Jericho-Richmond
 Sheet 22 of 22

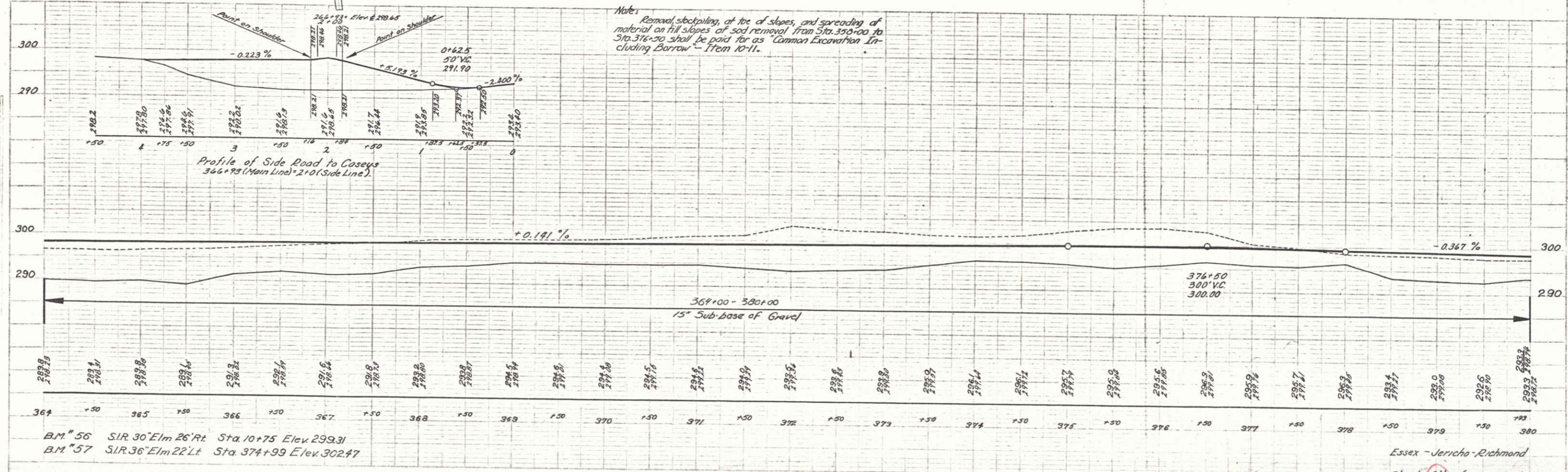


B.M. #54 S.I.R. 24' Elm 55.5 ft. Rt. Sta. 354+65 Elev. 309.83
 B.M. #55 S.I.R. 30' Elm 24 ft. Lt. Sta. 3126 (Traverse) Elev. 297.34

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



$\Delta 66^{\circ}39'14''$
 $D 4^{\circ}45'$
 $R 1206.2$
 $T 793.1$
 $L 1403.2$
 $E 237.4$
 Bank $1/4"$ per ft.

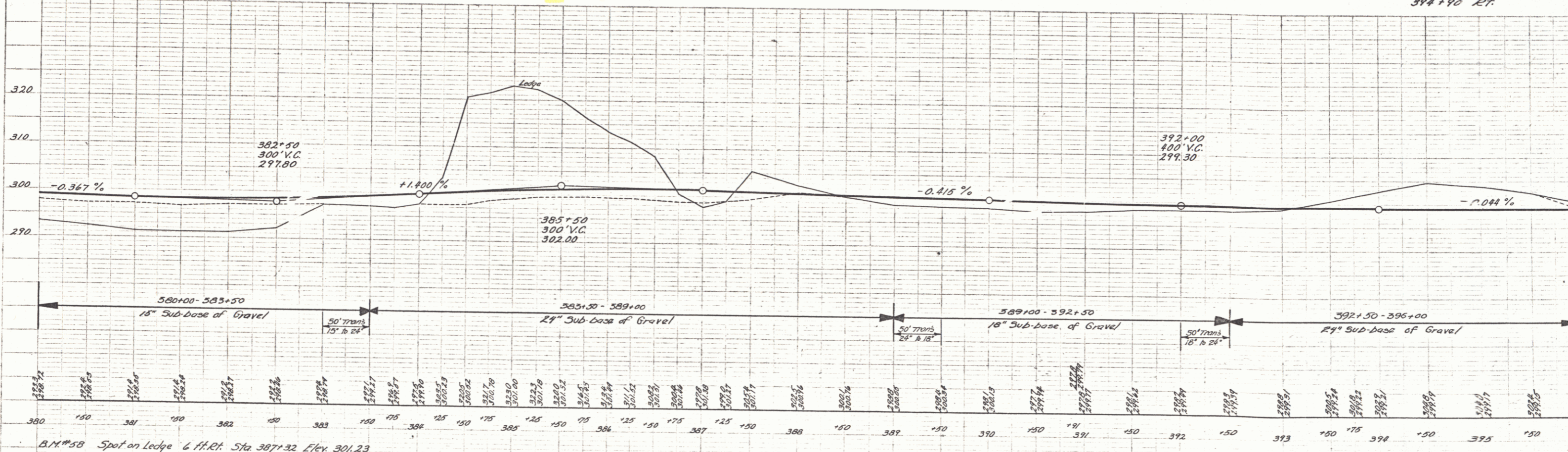
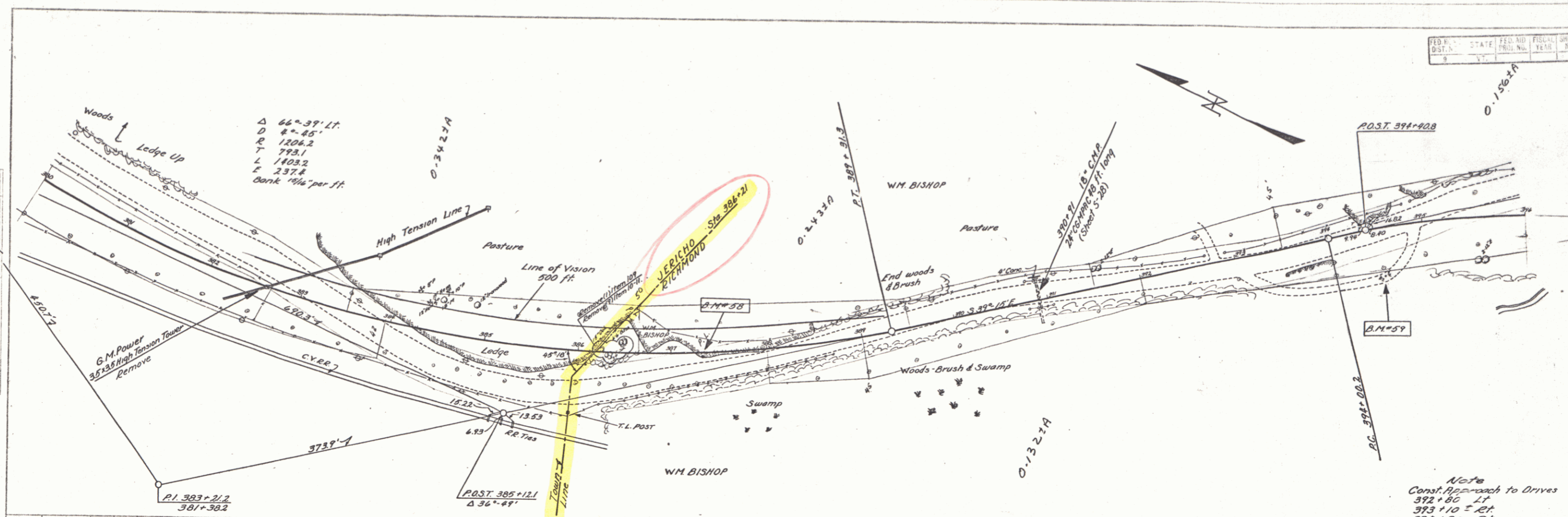


PLAN
 DATE
 DRAWN BY
 CHECKED BY
 PROJECT NO.

ELEVATION
 STATION
 GRADE
 CURVE DATA

B.M. 56 S.I.R. 30' Elm 26' Rt Sta. 10+75 Elev. 299.31
 B.M. 57 S.I.R. 36' Elm 22' Lt Sta. 374+99 Elev. 302.47

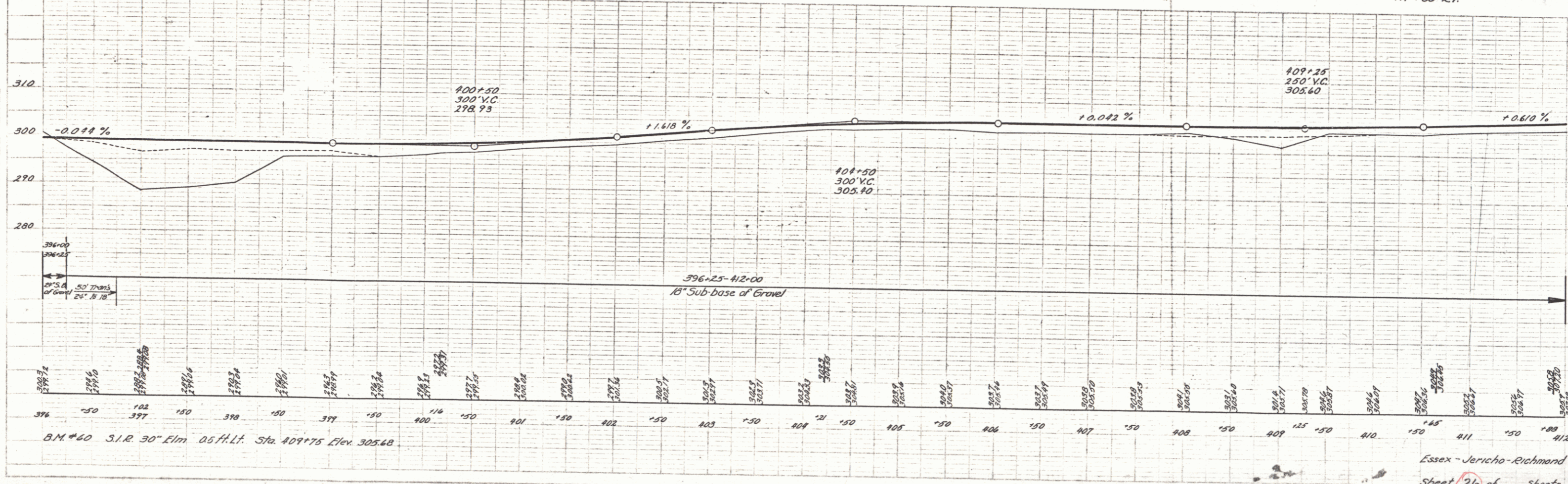
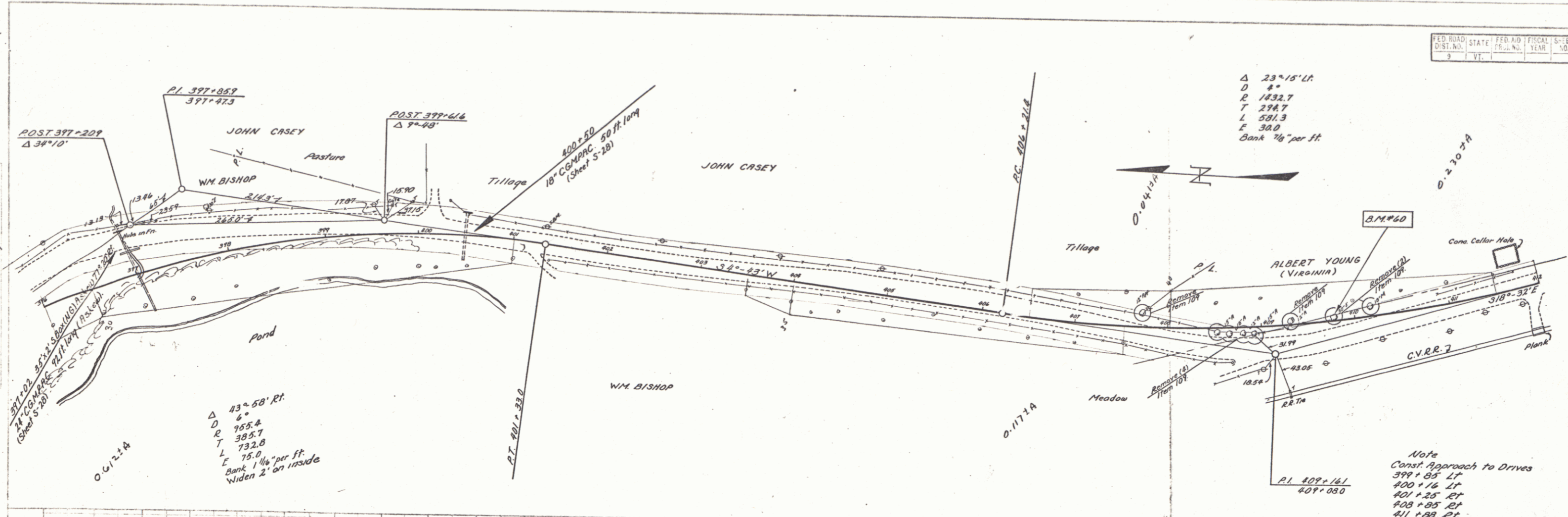
Essex - Jericho - Richmond
 Sheet 24 of Sheets



B.M.#58 Spot on Ledge 6 ft. Rt. Sta. 387+32 Elev. 301.23
 B.M.#59 Spot on Ledge 50 ft. Rt. Sta. 394+50 Elev. 306.15

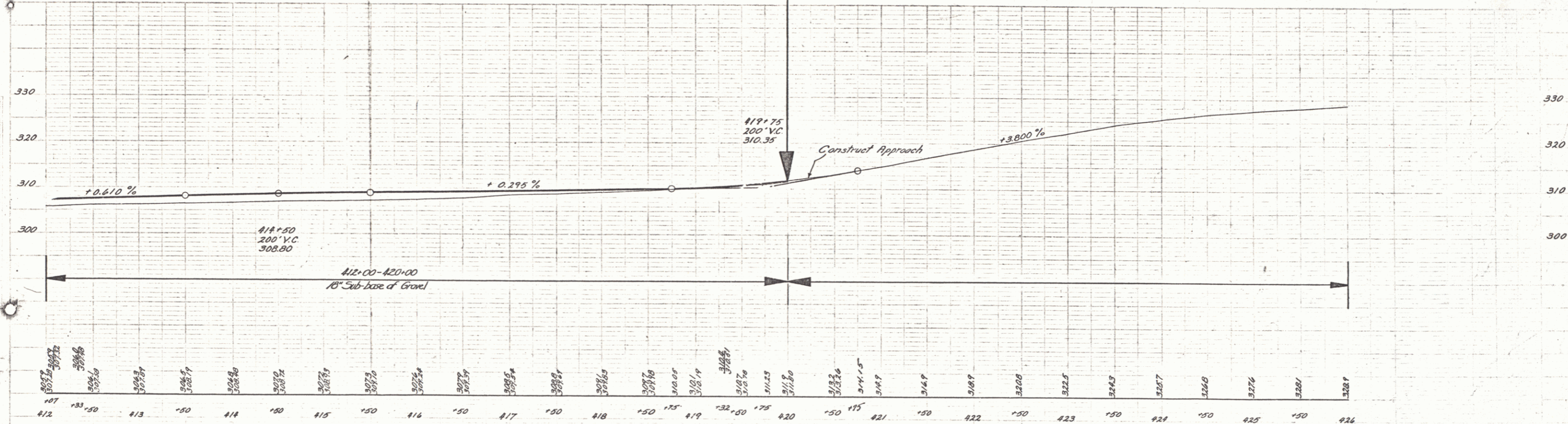
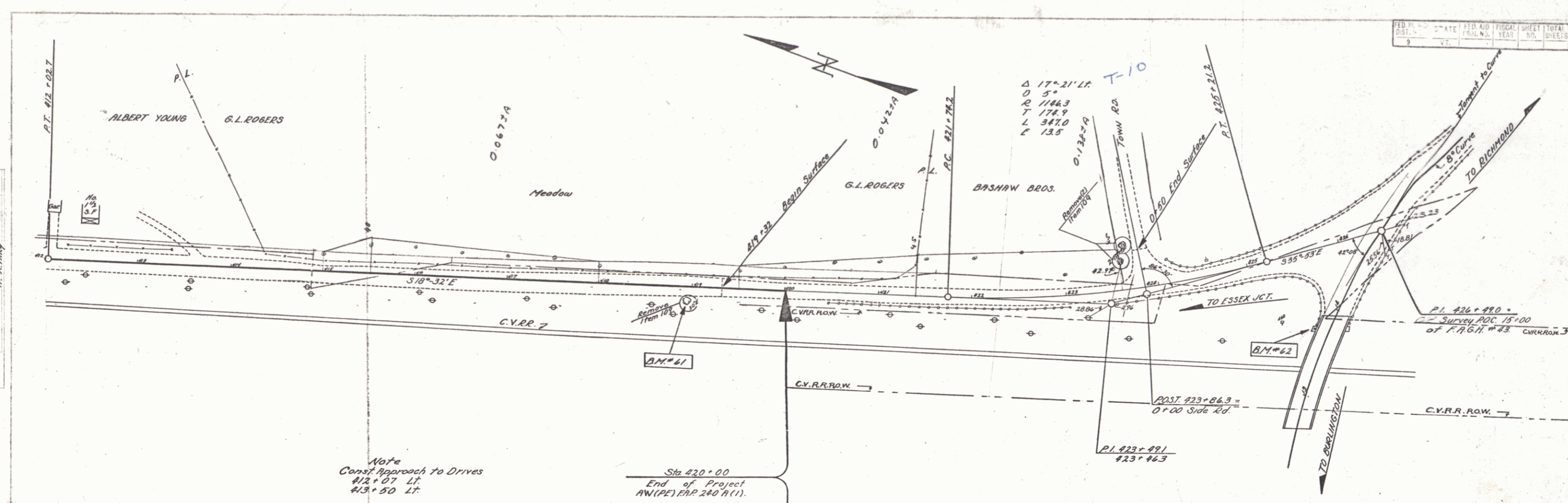
Note
 Const. Approach to Drives
 392+80 Lt.
 393+10 Rt.
 394+90 Rt.

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



Note
Const. Approach to Drives
399+85 Lt
400+16 Lt
401+25 Rt
403+55 Rt
411+89 Lt

DIST.	DATE	PERIOD	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT				



B.M.#61 51.2 30" Elm 115 ft. Rt. Sta 418+95 Elev. 311.69
 B.M.#62 Spot on Wing 16.5 ft. Lt. Sta 13+75 (Old Survey F.A.G.N.#43) Elev. 330.11