

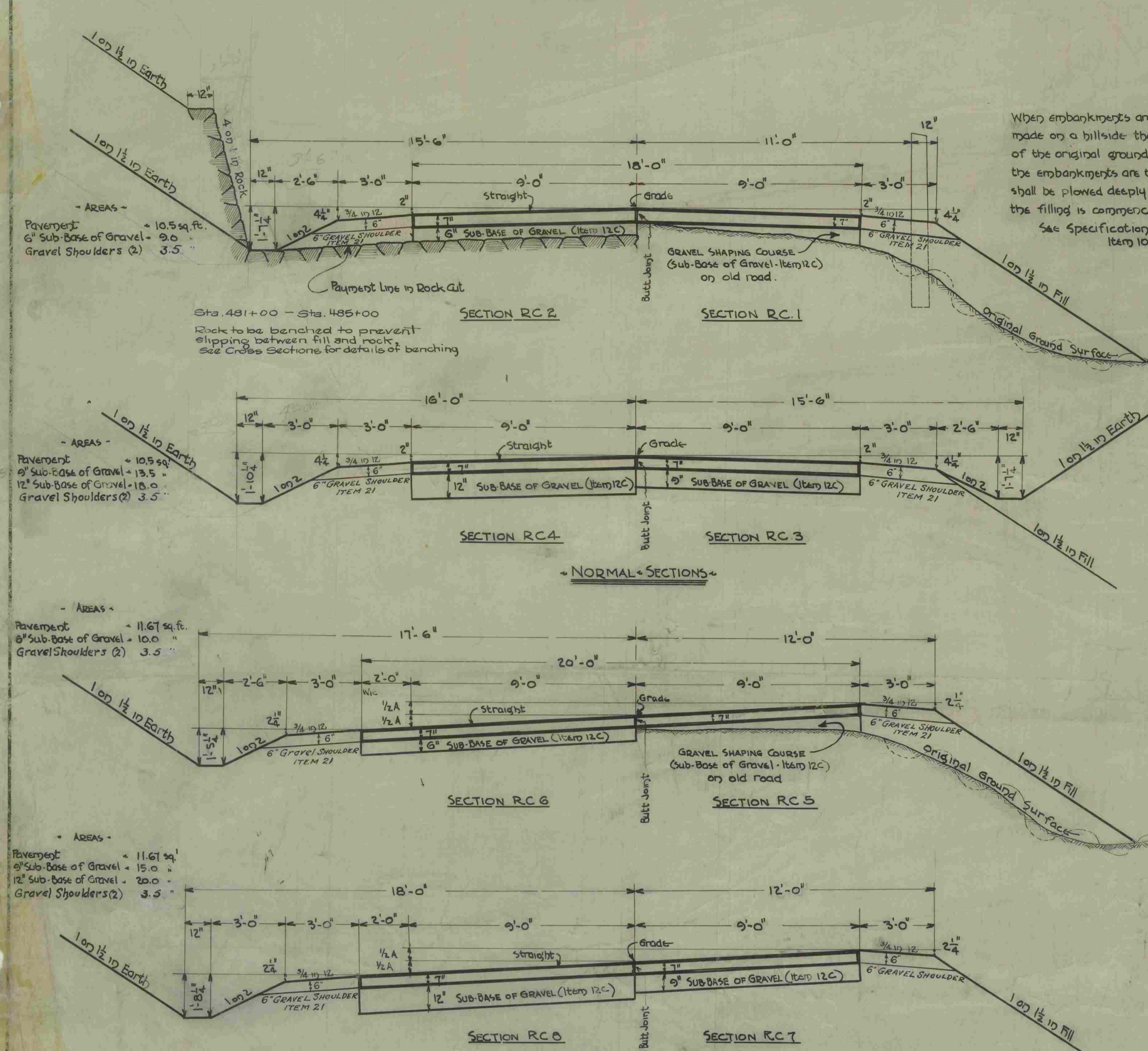
TYPICAL SECTIONS

ONE COURSE CEMENT CONCRETE PAVEMENT

TYPE B ITEM 23B

FED. DIST. NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	VT	1928	2	1044

All Concrete in Pavement to be Class A (1-2-4)



AREAS -
 Pavement = 10.5 sq. ft.
 6\"/>

AREAS -
 Pavement = 10.9 sq. ft.
 6\"/>

AREAS -
 Pavement = 11.67 sq. ft.
 6\"/>

AREAS -
 Pavement = 11.67 sq. ft.
 6\"/>

VALUE OF A IN BANKING -
 3'-0\"/>

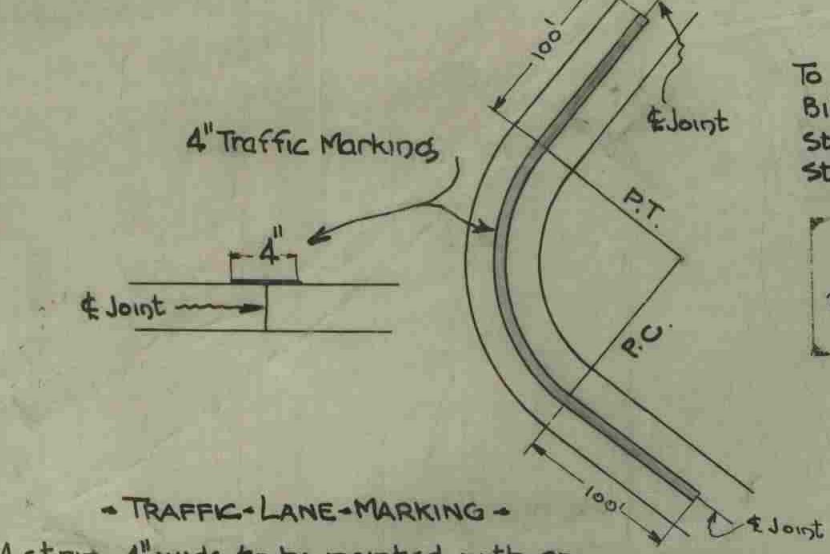
← BANKED-AND-WIDENED-SECTION →

← BANKING & 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°

NOTE:
 For details covering 4 ft. Shoulders at Culverts, refer to Sheet 3, Typical Sections for Bituminous Macadam.

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

This strip to begin 100' before reaching P.C. and end 100' beyond P.T. →

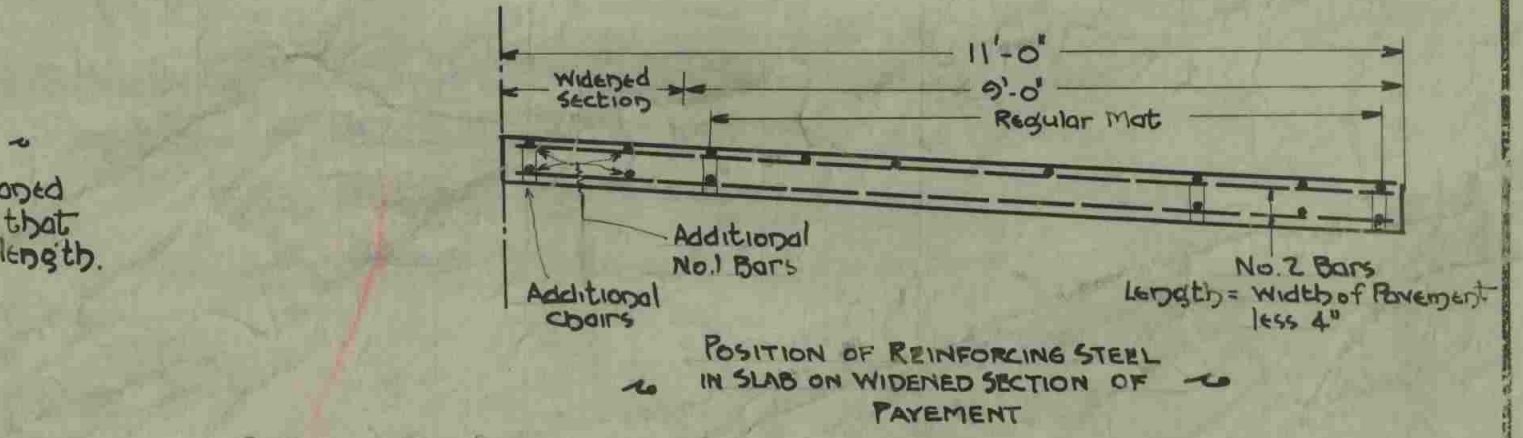
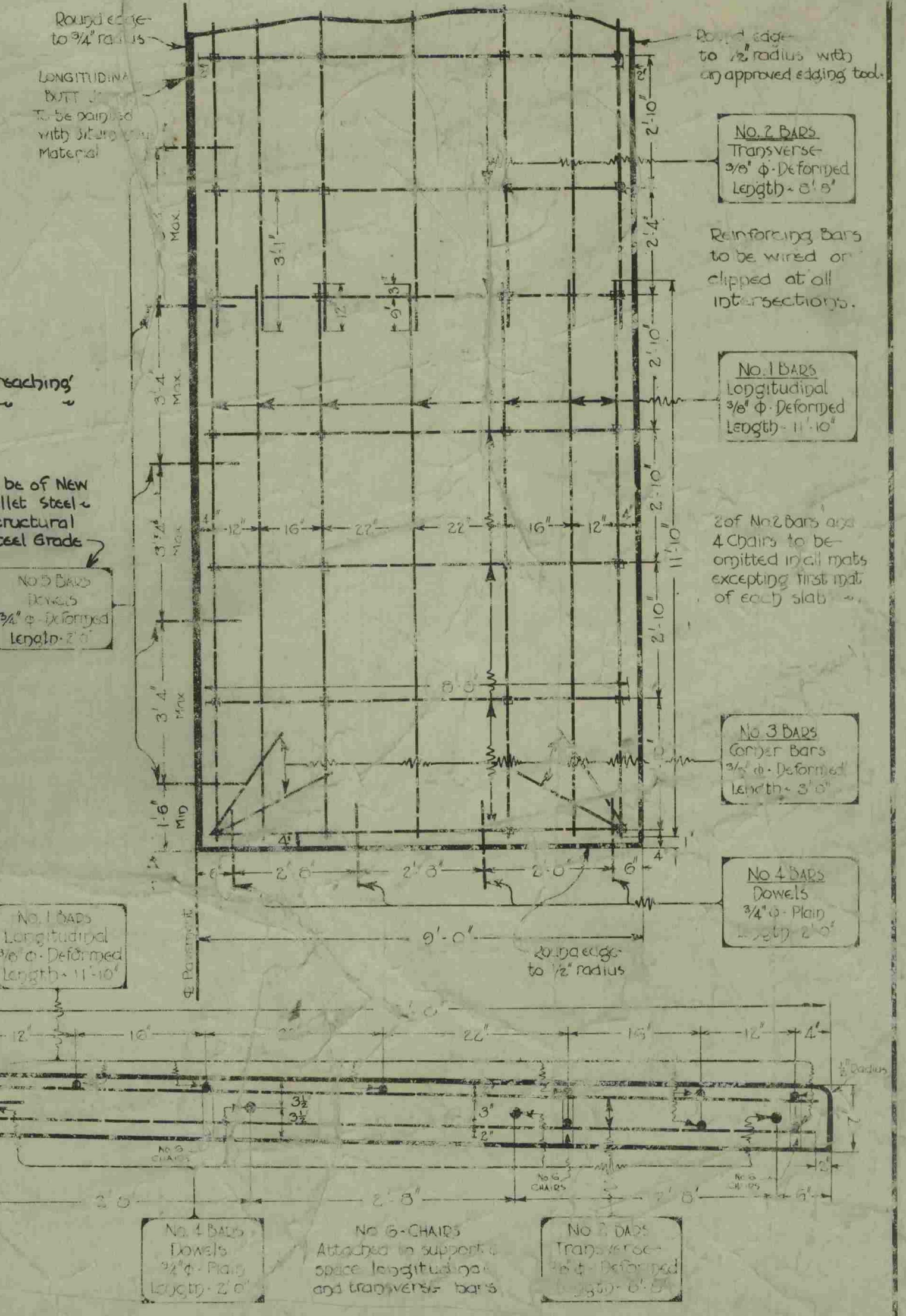
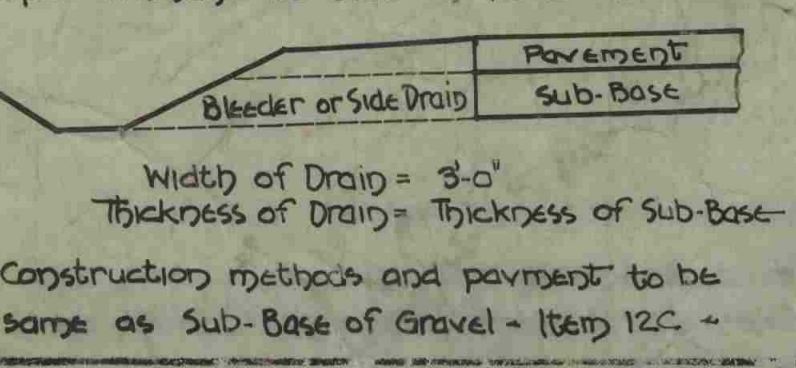


← TRAFFIC-LANE-MARKING -
 A strip 4\"/>

To be filled with approved tar or asphalt. Edges rounded to 3/4\"/>

← DETAILS OF TRANSVERSE EXPANSION JOINT -
 Core shall be taken that excess mortar is cleared from the top of all expansion joints → → also that joints set flush with sub-grade for their entire length.

← 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 → → →



**← REINFORCING-STEEL REQUIRED FOR ONE 4' WIDE SLAB 44'-6\"/>

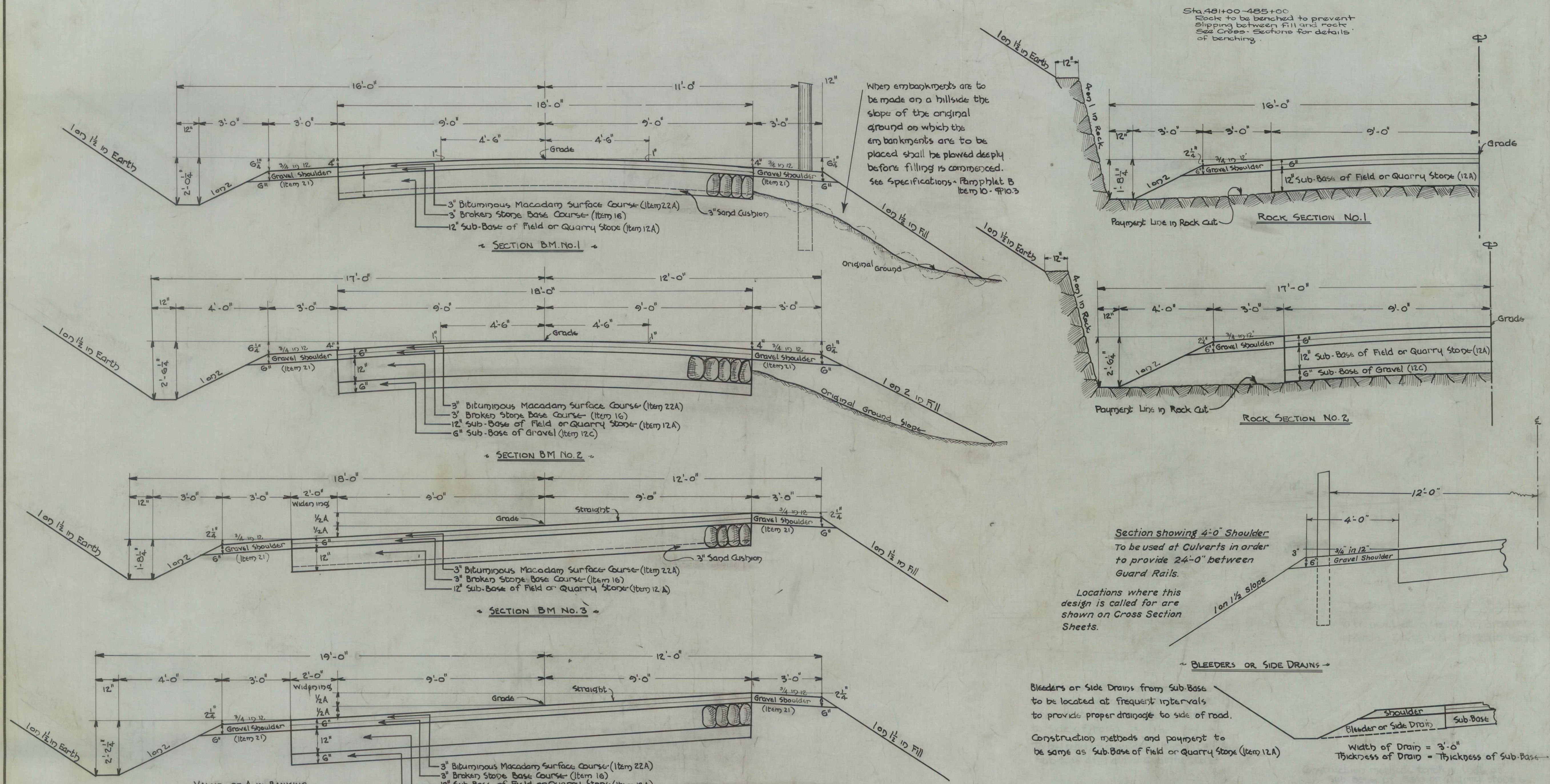
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No. 3 Bars	8.8	lb.	3.4
No. 4 Bars	2.0	lb.	.8
No. 5 Bars	2.0	lb.	.8
No. 6 Bars	2.0	lb.	.8
No. 7 Bars	2.0	lb.	.8
No. 8 Bars	2.0	lb.	.8
No. 9 Bars	2.0	lb.	.8
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No. 99 Bars	2.0	lb.	.8
No. 100 Bars	2.0	lb.	.8

Surveyed by Marsett and Cook
 Designed by H.E. Sarjant
 Drawn by A.W.C.
 Checked by A.W.C.
 Series F No. 72B
 Sheet 2 of 104 Sheets
 Feb. 1928
 Feb. 1928

Reinforcing steel per 100 sq. ft. of pavement (exclusive of dowels & chairs) = 79.5 lbs.

TYPICAL SECTIONS BITUMINOUS MACADAM PAVEMENT ITEM 22

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
9	VT.	72 B	1928	3	104



VALUE OF A IN BANKING
 3° 00' to 4° 59' → 8 in.
 5° 00' to 7° 00' → 10 in.
 7° 01' to 10° 00' → 12 in.
 10° 01' and greater → 14 in.

BANKING & 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	Area	NORMAL	WIDENED
22A	3" bituminous macadam surface course	4.5	5.0
16	3" broken stone base course	4.5	5.0
12A	12" sub-base of field or quarry stone	18.0	20.0
12C	6" sub-base of gravel	9.0	10.0
21	Gravel Shoulders (2)	3.5	3.5

Surveyed by **Marslett & Cook**
 Designed by **H.E. Sargent**
 Drawn by **A.W.C.** Feb. 1928
 Traced by **A.W.C.** Feb. 1928
 Checked by
 Series **F** No. **72 B** Filed
 Sheet **3** of 104 Sheets

WOOD GUARD RAIL REQUIRED

LEFT

Sta. 490+00 to 490+20	Length 20 ft	✓
" 492+22 - 492+46	" 24 "	✓
" 493+31 - 500+00	" 68 "	✓

RIGHT

Sta. 490+20 to 490+52	Length 32 ft	✓
" 492+22 - 492+46	" 24 "	✓
" 493+31 - 500+00	" 68 "	✓
486+22 - 486+48	" 26 "	✓

CABLE GUARD RAIL REQUIRED

LEFT

Sta. 485+00 to 490+20	Length 500 ft	✓
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NEW CULVERTS REQUIRED

Sta. 490+40	18" Reinf. Concrete Pipe Culvert	36 ft
	Concrete Class B (-2 1/2")	2.4 cu yds
	Reinforcing Steel	5.4 cu yds
Sta. 492+34	30" Reinf. Concrete Pipe Culvert	36 ft
	Concrete Class B (-2 1/2")	4.1 cu yds
	Reinforcing Steel	5.8 cu yds

DRIVEWAY PIPE CULVERTS REQUIRED

Sta. 497+80	Right 12" Cor. Galv. Metal Pipe	40 ft
	Concrete Class B (-2 1/2")	1.4 cu yds

SUB-BASE OF GRAVEL REQUIRED

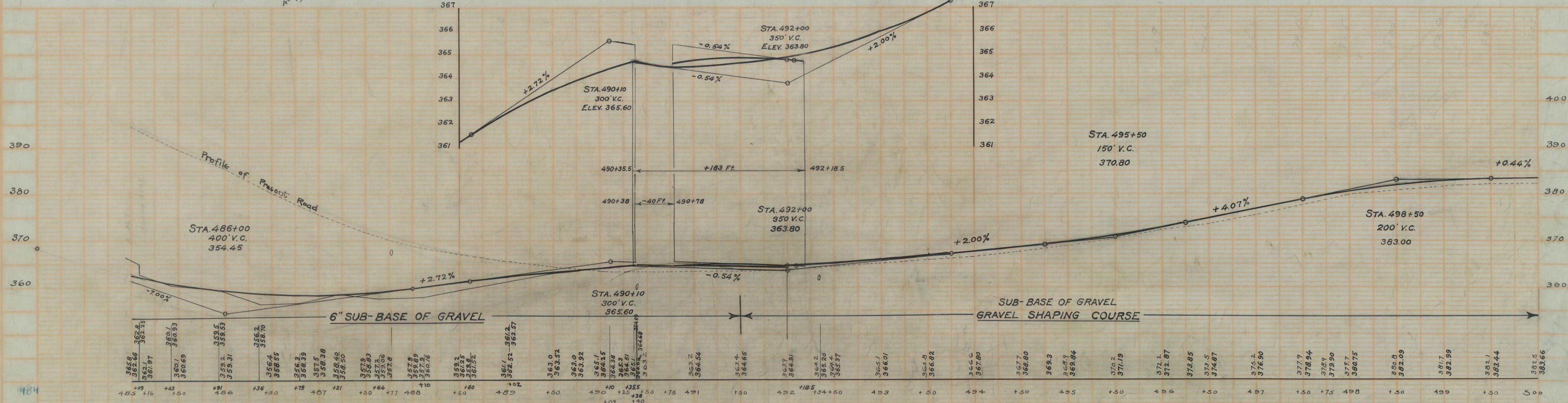
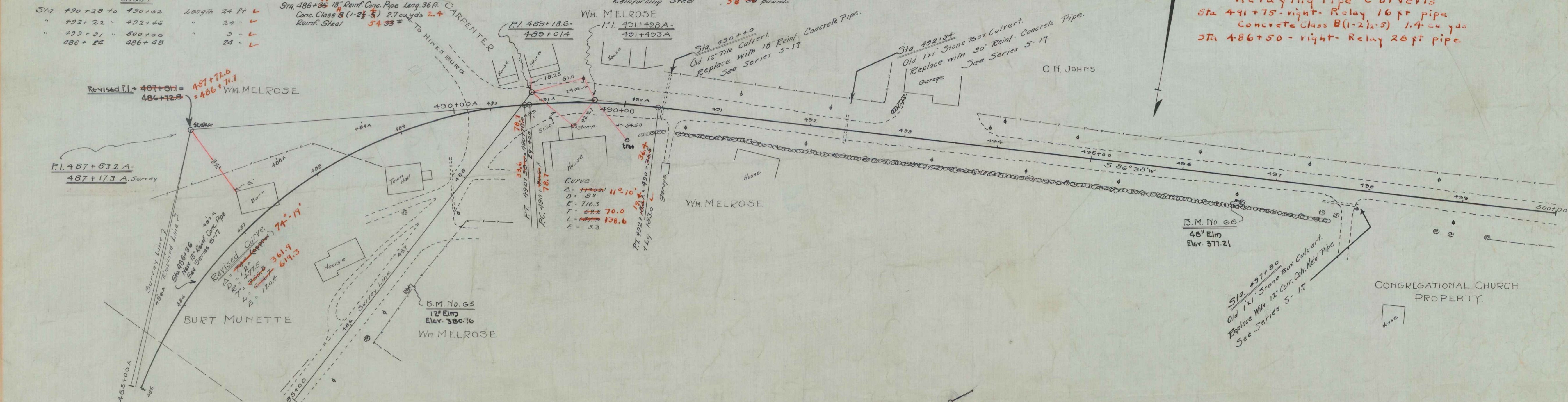
Sta. 485+00 to 491+50	6" Sub-base of gravel	793 cu ft
	Gravel Shaping Course	830 cu ft

DATE	BY	REVISION
FEB 1928		

Relaying Pipe Culverts
 Sta. 491+75 - right - Relay 16 ft pipe
 Concrete Class B (-2 1/2") 1.4 cu yds
 Sta. 486+50 - right - Relay 28 ft pipe

H.W.M. G.H.C.

H.W.M.



B.M. No. 65 Spike in 12" Elm. Right of Sta. 486+67 Elev. 380.76
 B.M. No. 66 Spike in 48" Elm. Right of Sta. 496+67 Elev. 377.21

Series F No. 72 B.
 Sheet 5 of 104

WOOD GUARD RAIL REQUIRED.

LEFT
 Sta 500+00 to 500+15 Length 15 ft
 " 513+38 " 513+64 " 24"
RIGHT
 Sta 500+00 to 500+15 Length 15 ft
 " 513+08 " 513+62 " 24"

NEW CULVERTS REQUIRED.

Sta 500+03 - 30" Reinf. Concrete Pipe Culvert 32 Lin. ft
 Concrete Class B (1-2-4) 2.635 cu yd
 Reinforcing Steel 58 66 pounds.
 Sta 513+48 18" Reinf. Concrete Pipe Culvert 3 Lin. ft
 Concrete Class B (1-2-4) 3.7 cu yd
 Reinforcing Steel 54 lbs

DRIVEWAY PIPE CULVERTS REQUIRED.

Sta 509+30 Right 12" Cor. Galv. Metal Pipe 20 Lin. ft
 Concrete Class B (1-2-4) 1.4 cu yd
 Sta 510+80 Right 12" Cor. Galv. Metal Pipe 20 Lin. ft
 Concrete Class B (1-2-4) 1.4 cu yd
 Sta 512+25 Left 12" Cor. Galv. Metal Pipe 20 Lin. ft
 Concrete Class B (1-2-4) 1.4 cu yd
 Sta 513+50 - right - 12" Cor. Galv. Metal Pipe

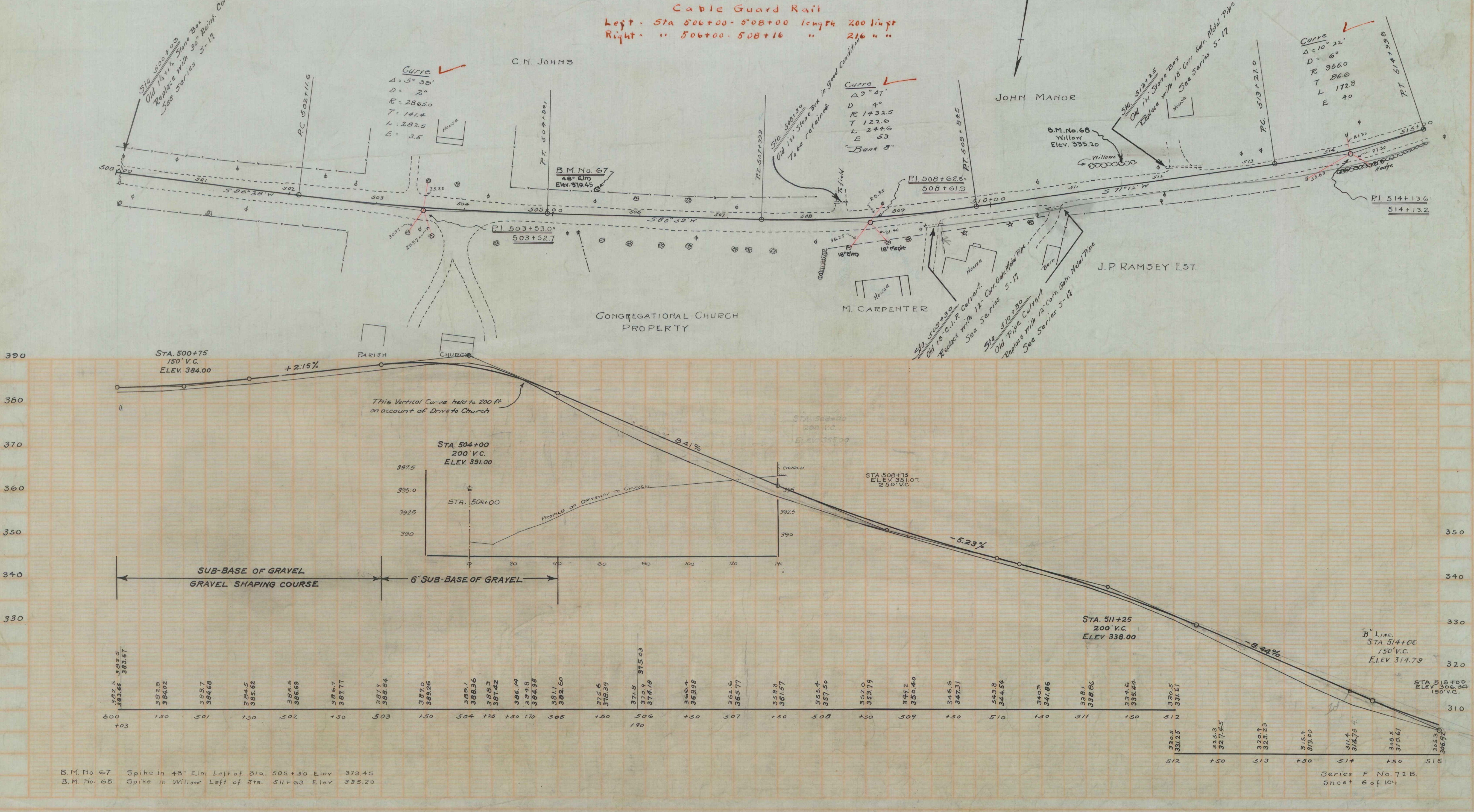
SUB-BASE OF GRAVEL REQUIRED.

Sta 500+00 to 503+00
 Sta 503+00 to 505+00
 Sub-base of gravel 300 Lin. ft
 Gravel Shaping Course
 6" Sub-Base of Gravel 200 Lin. ft.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	VI.	72 B	1928	6	104

H.V.M. G.M.C.
 11/16

A.A.D.
 11/16



B.M. No 67 Spike in 45' Elm Left of Sta. 505+50 Elev 379.45
 B.M. No 68 Spike in Willow Left of Sta. 511+63 Elev 335.20

Series F No. 72 B
 Sheet 6 of 104

WOOD GUARD RAIL REQUIRED

LEFT		
Sta. 529+76 to 530+00	Length	24 ft.
517+10 - 517+42		24
523+90 - 524+22		24
RIGHT		
Sta. 529+76 to Sta. 530+00	Length	24 ft.

CABLE GUARD RAIL REQUIRED

LEFT		
Sta. 517+10 to 517+42	Length	24 ft.
523+90 - 524+22		24
RIGHT		
Sta. 517+00 to 519+24	Length	224 ft.
524+00 to 526+00		200 ft.

NEW CULVERTS REQUIRED

Sta. 529+00	18" Rein. Concrete Pipe Culvert	60 Lin. ft.	With 1000' Drain Inlet
Sta. 524+10	24" Rein. Concrete Pipe Culvert	38 Lin. ft.	
Sta. 529+00	18" Rein. Concrete Pipe Culvert	32 Lin. ft.	With 1000' Drain Inlet
Sta. 524+10	24" Rein. Concrete Pipe Culvert	27 Cu. yds.	

SUB-BASE OF GRAVEL REQUIRED

Sta. 515+50 to 527+00	9" Gravel Sub-base of Gravel	1150 Lin. ft.
527+00 - 530+00	6"	300 Lin. ft.

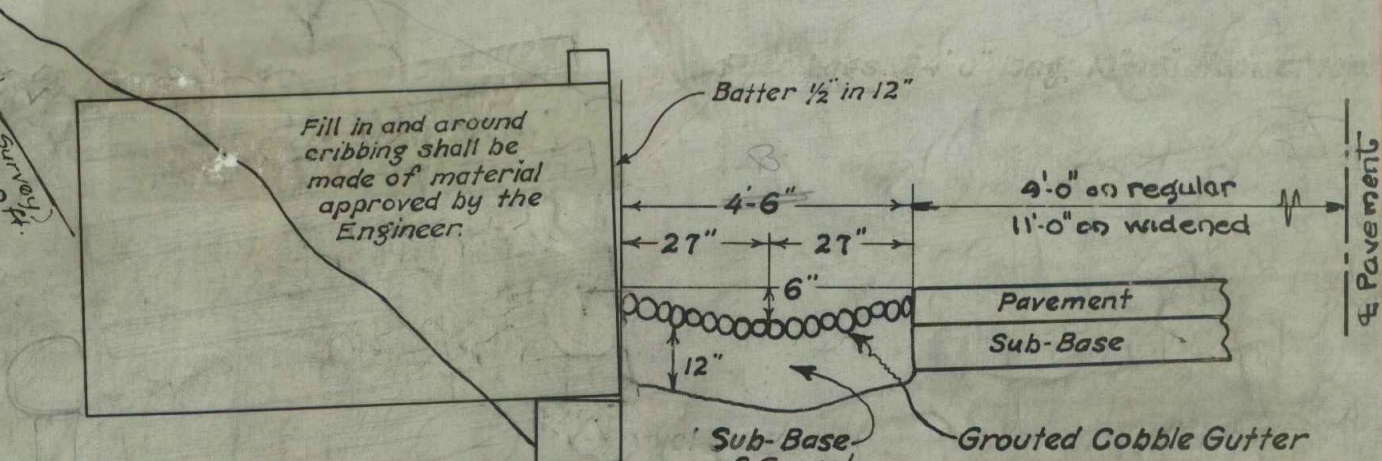
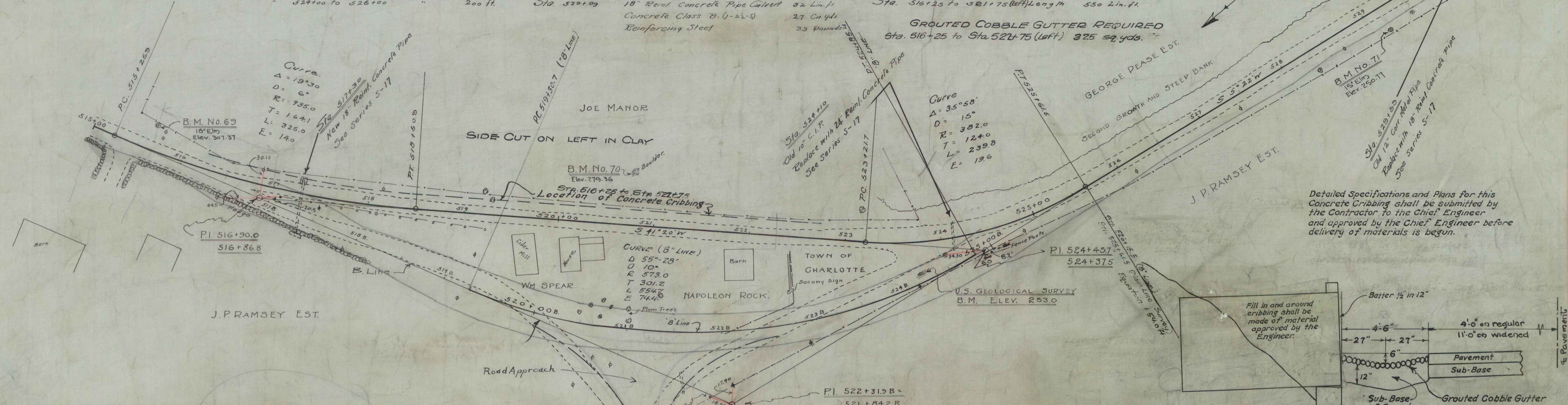
CONCRETE CRIBBING REQUIRED

Sta. 516+25 to 524+75 (left)	Length	550 Lin. ft.
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GROUTED COBBLE GUTTER REQUIRED

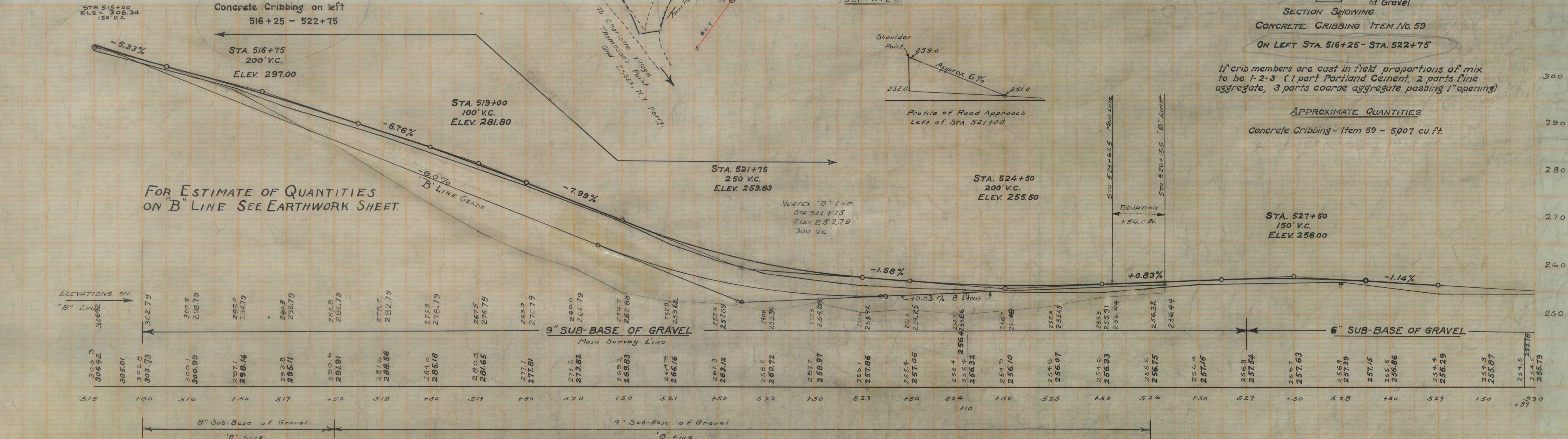
Sta. 516+25 to Sta. 524+75 (left)	Length	325 sq. yds.
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FED. ROAD DIST. NO.	STATE	FED. AID YEAR	TOTAL SHEETS	TOTAL SHEETS
72 B	1928	7	104	



If crib members are cast in field proportions of mix to be 1-2-3 (1 part Portland Cement, 2 parts fine aggregate, 3 parts coarse aggregate, passing 1" opening)

APPROXIMATE QUANTITIES
Concrete Cribbing - Item 59 - 5,007 cu. ft.



B.M. No. 69 Spike in 18" Elm. Left of Sta. 515+62, Elev. 307.37
 B.M. No. 70 Boulder in field, Left of Sta. 520+75 Elev. 279.30
 B.M. No. 71 Spike in 15" Elm. Right of Sta. 525+17 Elev. 250.77

Series F No. 72 B
Sheet 7 of 104

WOOD GUARD RAIL REQUIRED

Sta	Length	Notes
542+00 to 543+12	24 ft	Left
535+38 to 535+62	24 ft	Right
542+00 to 543+12	24 ft	Left
535+38 to 535+62	24 ft	Right

NEW CULVERTS REQUIRED

Sta 533+00 18" Reinf. Concrete Pipe Culvert 32 Lin. ft
 Concrete Class A (1-2-4) 2.7 Cu yds
 Reinforcing Steel 54 lbs

Sta 535+50 15" Reinf. Conc. Pipe Culvert 32 Lin. ft
 Concrete Class B (1-2-4) 2.5 Cu yds
 Reinforcing Steel 54 lbs

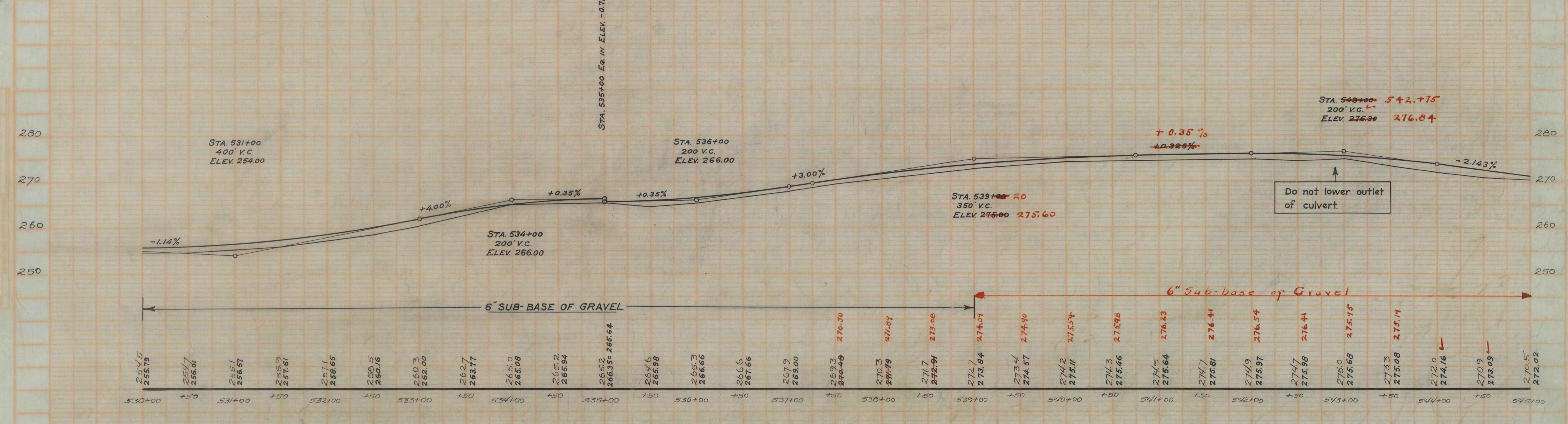
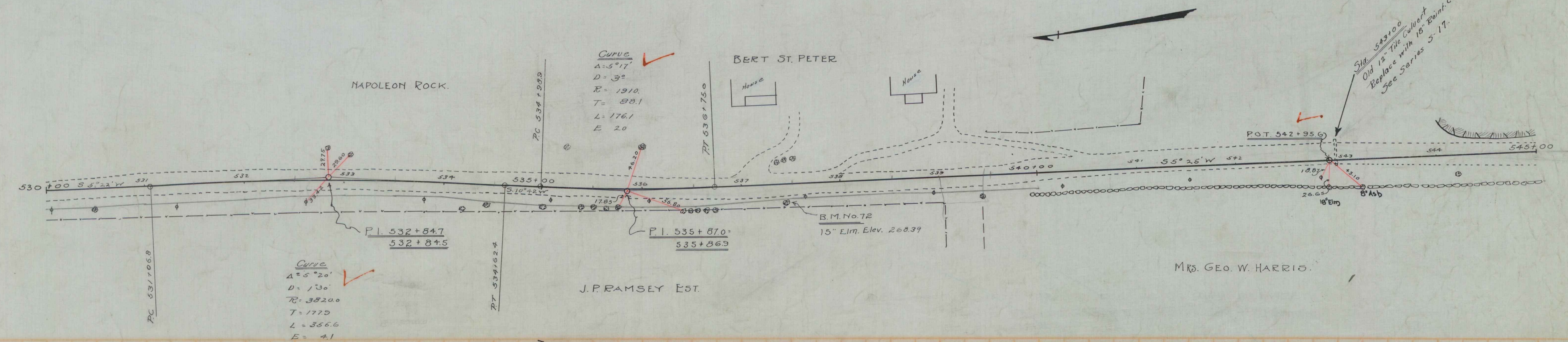
SUB-BASE OF GRAVEL REQUIRED

Sta 530+00 to 539+00 - 6" Sub-base of gravel 900 Lin. ft
 545+00 1500'

Driveway Culverts

Sta 537+10 Left - Relay 25ft of pipe
 Concrete Class B (1-2 1/2-5) 1.4 Cu yds

Sta 538+00 Left - Relay 20ft of pipe
 Concrete class B (1-2 1/2-5) 1.4 cu "



B.M. No. 72. Spike in 15' Elm, Right of Sta. 537+45, Elev. 268.39

WOOD GUARD RAIL REQUIRED

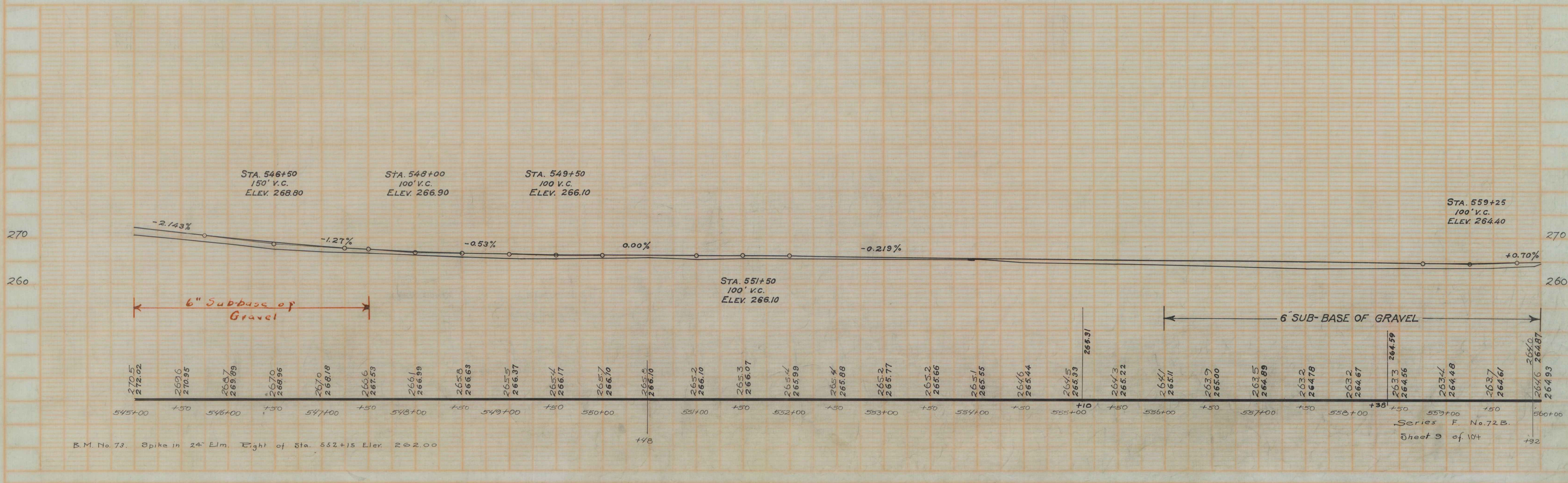
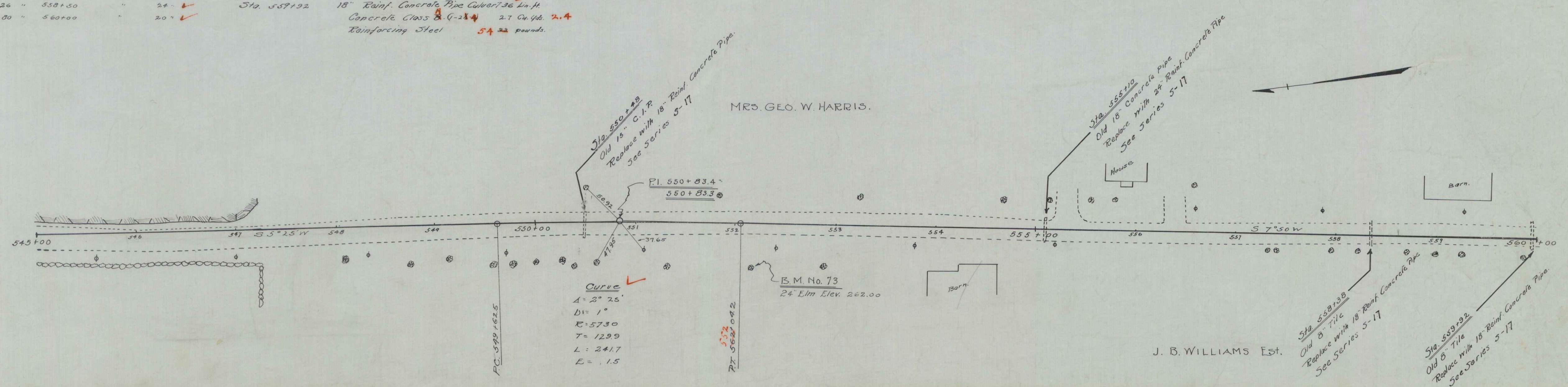
Sta.	Start	End	Length	Notes
LEFT	550+36 to	550+60	24 ft.	✓
	551+38 "	551+22	16 "	✓
	552+26 "	552+50	24 "	✓
	553+80 "	553+100	20 "	✓
RIGHT	550+36 to	550+60	24 ft.	✓
	551+88 "	551+12	76 "	✓
	552+26 "	552+50	24 "	✓
	553+80 "	553+100	20 "	✓

NEW CULVERTS REQUIRED

Sta. 550+38 - 18" Rein. Concrete Pipe Culvert	32 Lin. ft.	Concrete Class A (1-2) 4	30 Cu. Yds. 2.5
		Reinforcing Steel	80 pounds 3.4
Sta. 551+10 - 24" Rein. Concrete Pipe Culvert	32 Lin. ft.	Concrete Class A (1-2) 4	65 Cu. Yds. 4.7
		Reinforcing Steel	60 pounds
Sta. 552+38 - 18" Rein. Concrete Pipe Culvert	32 Lin. ft.	Concrete Class A (1-2) 4	24 Cu. Yds.
		Reinforcing Steel	80 pounds 3.4
Sta. 552+52 - 18" Rein. Concrete Pipe Culvert	36 Lin. ft.	Concrete Class A (1-2) 4	27 Cu. Yds. 2.4
		Reinforcing Steel	54 22 pounds

SUB-BASE OF GRAVEL REQUIRED

Sta. 550+00 to 550+100 - 6" Sub-base of Gravel 400 Lin. ft.
 545+00 " 547+50 " " " " " 250 " "



B.M. No. 73. Spike in 24" Elm. Right of Sta. 552+15 Elev. 262.00

WOOD GUARD RAIL REQUIRED

LEFT			
Sta.	Length	# Ft.	Weight
Sta. 560+00 to 560+04	4 ft.	4 ft.	24 lb.
" 564+67 " 564+71	4 ft.	4 ft.	24 lb.
" 568+52 " 568+76	24 ft.	24 ft.	24 lb.

RIGHT			
Sta.	Length	# Ft.	Weight
Sta. 560+00 to 560+04	4 ft.	4 ft.	24 lb.
Sta. 564+67 " 564+71	4 ft.	4 ft.	24 lb.
" 568+52 " 568+76	24 ft.	24 ft.	24 lb.

NEW CULVERTS REQUIRED

Sta. 561+75 - 18" Rein. Concrete Pipe Culvert	32 Lin. ft.
Concrete Class II (-2 1/2")	2.422 Cuyds.
Reinforcing Steel	54 32 pounds
Sta. 568+68 - 18" Rein. Concrete pipe Culvert	32 Lin. ft.
Concrete Class II (-2 1/2")	2.422 Cuyds.
Reinforcing Steel	54 32 pounds

SUB-BASE OF GRAVEL REQUIRED

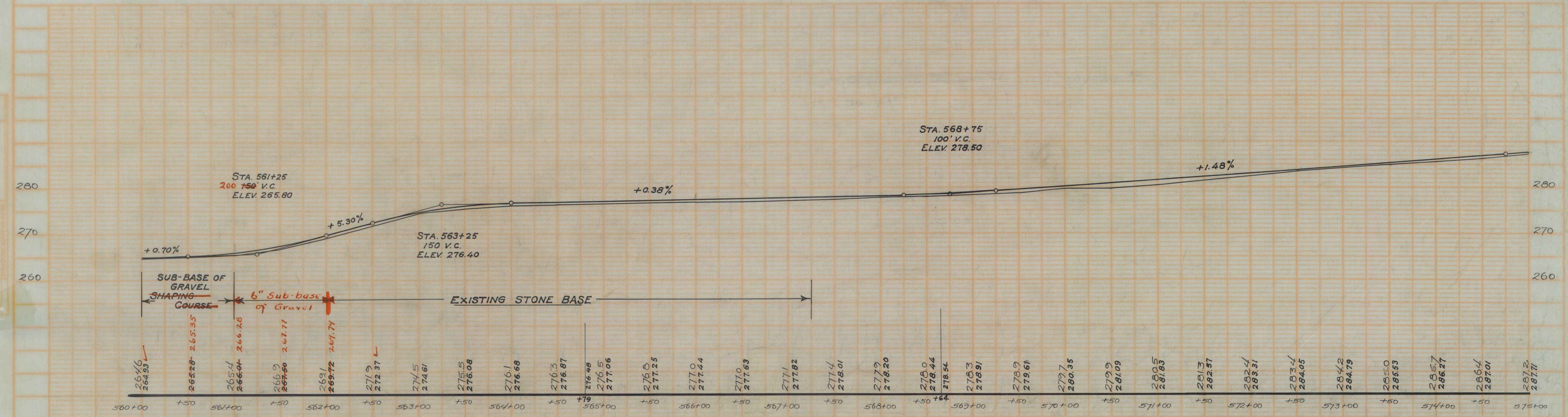
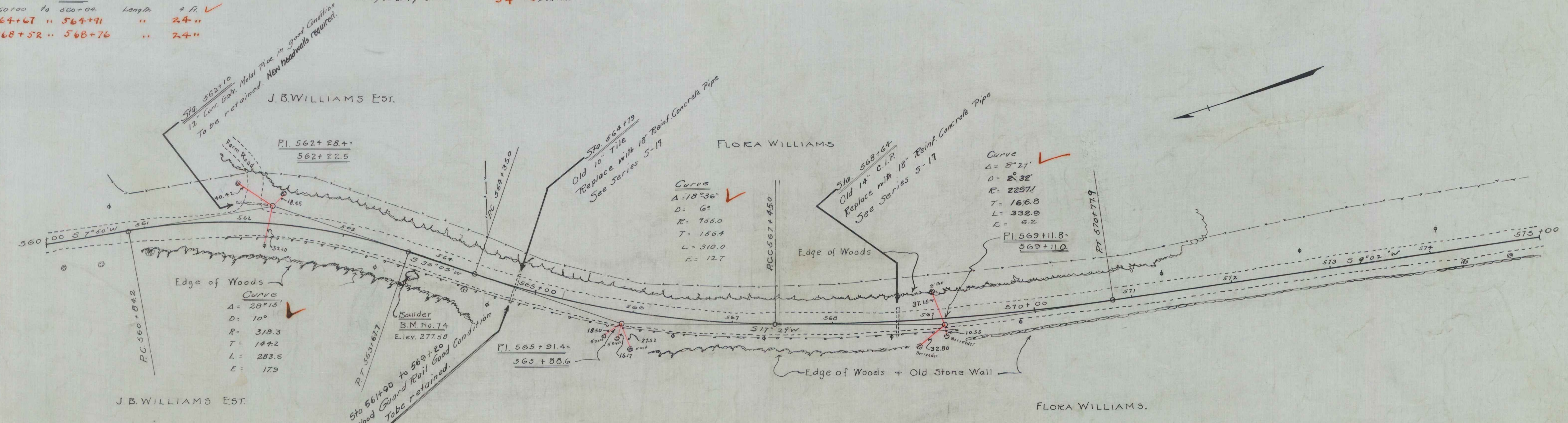
Sta. 560+00 to 561+00
 561+00 " 562+00
 6" Sub-base of Gravel

Cable Guard Rail
 Sta. 565+73 to 567+05 - Right - Length 192 lin. ft.

DRIVEWAY CULVERTS

Sta. 562+70 on left - New headwalls required. At grade

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	VT.	720	1928	10	104



B.M. No. 74. Boulder on right of Sta. 563+79. Elev. 277.58

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	72.B.	1926	11	104

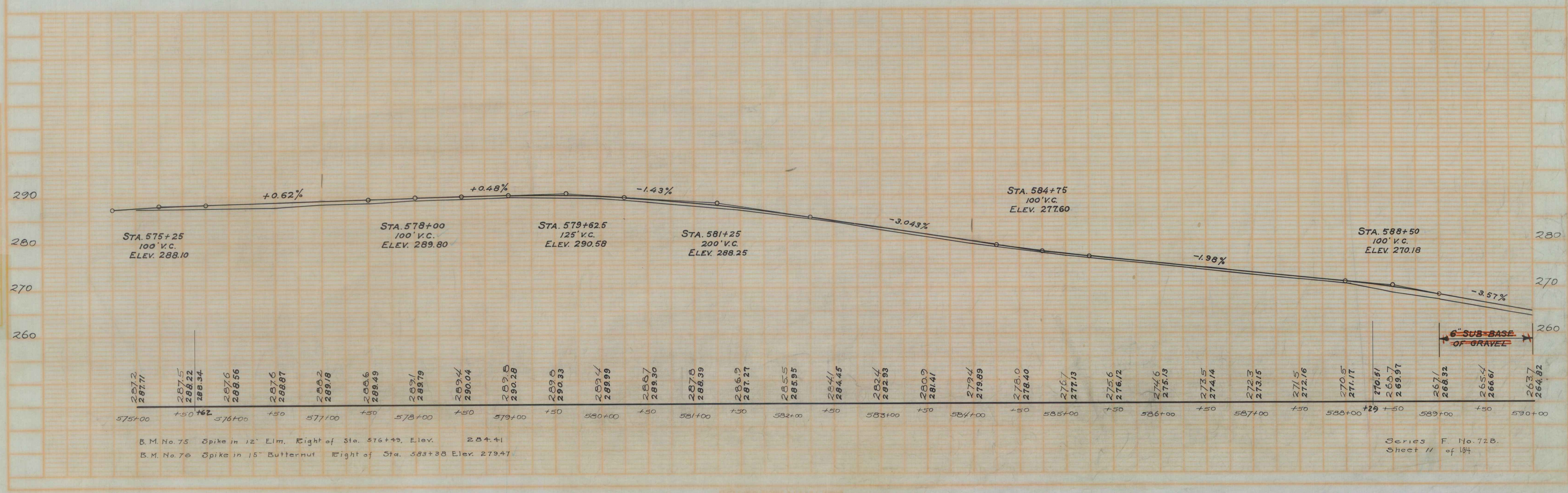
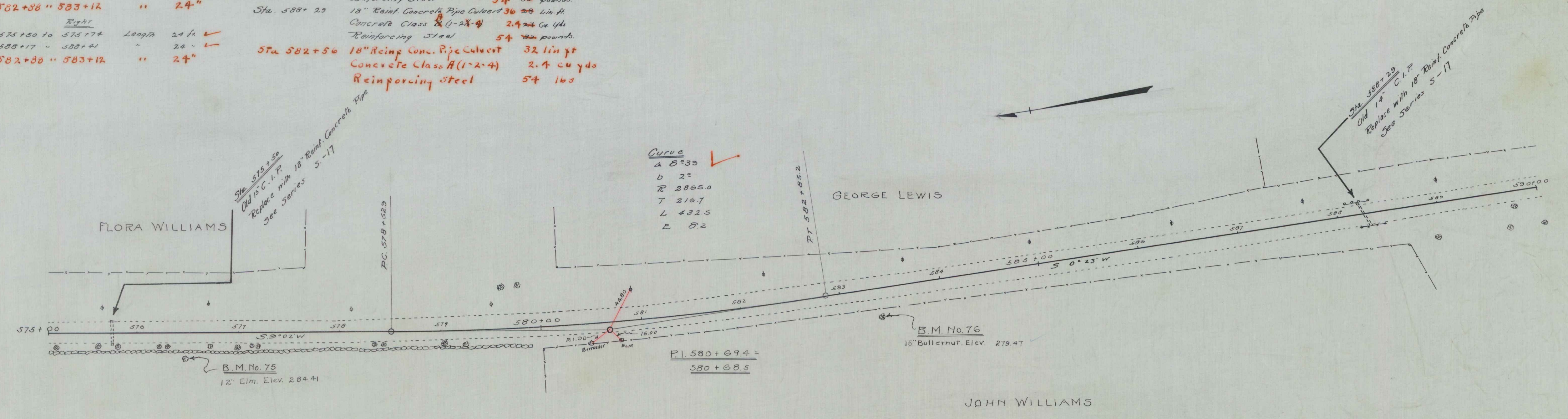
WOOD GUARD RAIL REQUIRED.

Station	Direction	Length	Notes
Sta. 575+50 to 575+74	Left	24 ft.	✓
" 588+17 " 588+41	"	24 "	✓
" 582+38 " 583+12	"	24 "	✓
Sta. 575+50 to 575+74	Right	24 ft.	✓
" 588+17 " 588+41	"	24 "	✓
" 582+38 " 583+12	"	24 "	✓

NEW CULVERTS REQUIRED

Sta. 575+62	18" Rein. Concrete Pipe Culvert	32 Lin ft	✓
	Concrete Class B (1-2X-4)	2.4 cu yds.	
	Reinforcing Steel	54 lbs	
Sta. 588+29	18" Rein. Concrete Pipe Culvert	36 Lin ft	✓
	Concrete Class B (1-2X-4)	2.4 cu yds.	
	Reinforcing Steel	54 lbs	
Sta. 582+50	18" Rein. Conc. Pipe Culvert	32 Lin ft	✓
	Concrete Class A (1-2-4)	2.4 cu yds	
	Reinforcing steel	54 lbs	

SUB-BASE OF GRAVEL REQUIRED.
Sta. 588+00 to 588+50 6" Sub-base of gravel 100 Lin ft



B.M. No. 75 Spike in 12" Elm. Right of Sta. 576+49. Elev. 284.41
 B.M. No. 76 Spike in 15" Butternut Right of Sta. 583+38 Elev. 279.47

Series F No. 72.B. Sheet 11 of 184

DEWEWAY CULVERTS REQUIRED

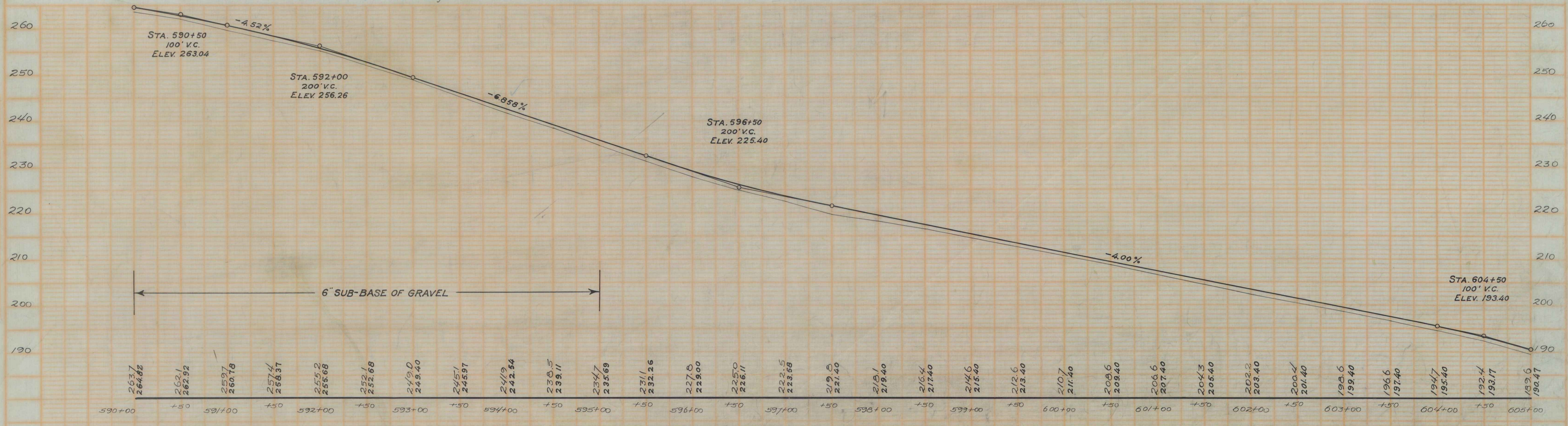
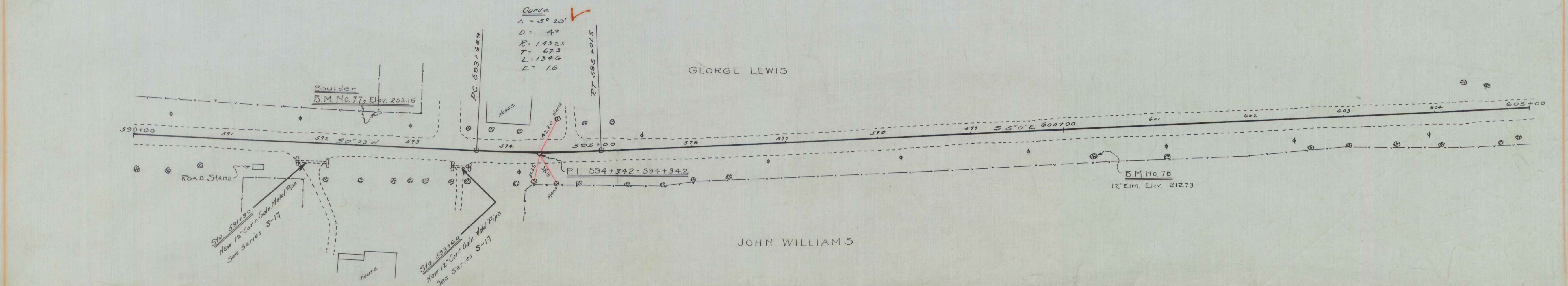
Sta. 591+30 Right 12" Corr. Galv. Metal Pipe 32 Lin. ft.
 Concrete Class B (1-2 1/2-3) 14.7 cu yds
 Sta. 593+60 Right 12" Corr. Galv. Metal Pipe 20 Lin. ft.
 Concrete Class B (1-2 1/2-3) 14.7 cu yds

SUB-BASE OF GRAVEL REQUIRED

Sta. 590+00 to 595+00 - 6" Sub-base of gravel 500 Lin. ft.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
		72B	1928	12	104

12/16
 A.A.D.
 12/16



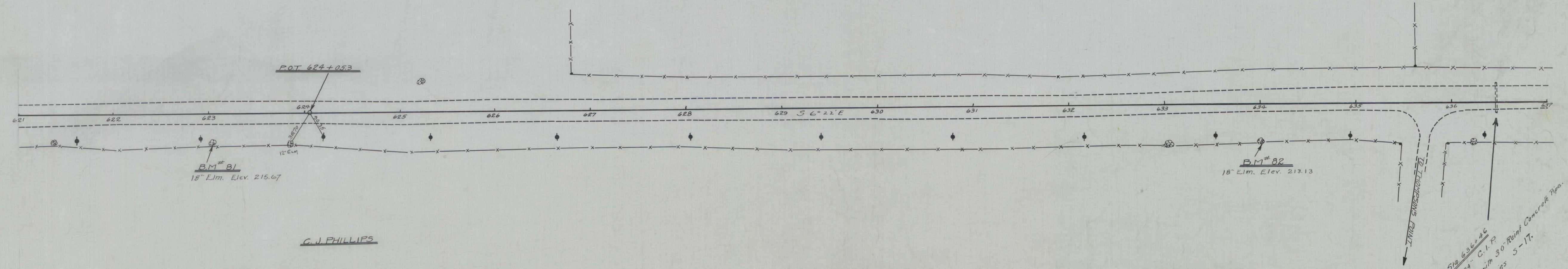
B.M. No. 77 Boulder on Left Cor. of Fence Sta. 592+00 Elev. 252.15
 B.M. No. 78 Spike in 12' Elm. Right of Sta. 600+30 Elev. 212.73

Series F. 72B.
 Sheet 12 of 104

WOOD GUARD RAIL REQUIRED.
LEFT
 Sta. 636+34 to 636+58 Length 24 ft ✓
RIGHT
 Sta. 636+34 to 636+58 Length 24 ft ✓

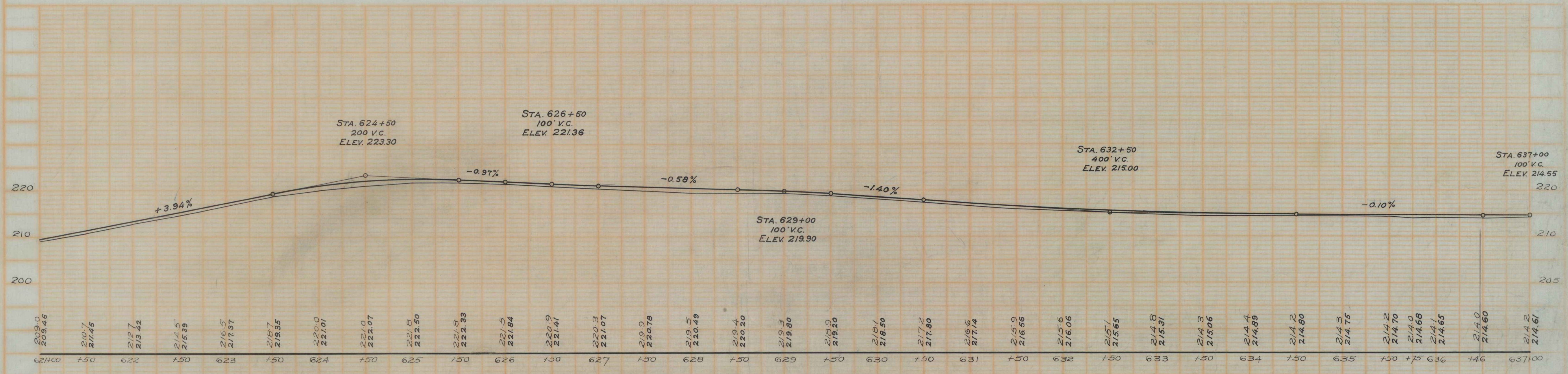
NEW CULVERTS REQUIRED.
 Sta. 636+46 - 30" Rein. Concrete Pipe Culvert 32 Lin. Ft.
 Concrete Class II (1-2-4) 3.9 cu yds.
 Reinforcing Steel 54 66 pounds.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	VI.	720	1923	14	104



G. J. PHILLIPS

Sta. 636+46
 Old
 Realign with 30" Rein. Concrete Pipe.
 See Series 5-17.



B.M. NO. 81 - SPIKE IN 18" ELM, 32' RIGHT OF STA. 623+02 ELEV. 215.67
 B.M. NO. 82 - SPIKE IN 18" ELM, 40' RIGHT OF STA. 634+00 ELEV. 213.13

SERIES F 170 J2B
 SHEET 14 of 104

WOOD GUARD RAIL REQUIRED
 LEFT
 Sta. 637+00 to 642+00 Length 50 ft
 RIGHT
 Sta. 648+00 to 652+00 Length 50 ft

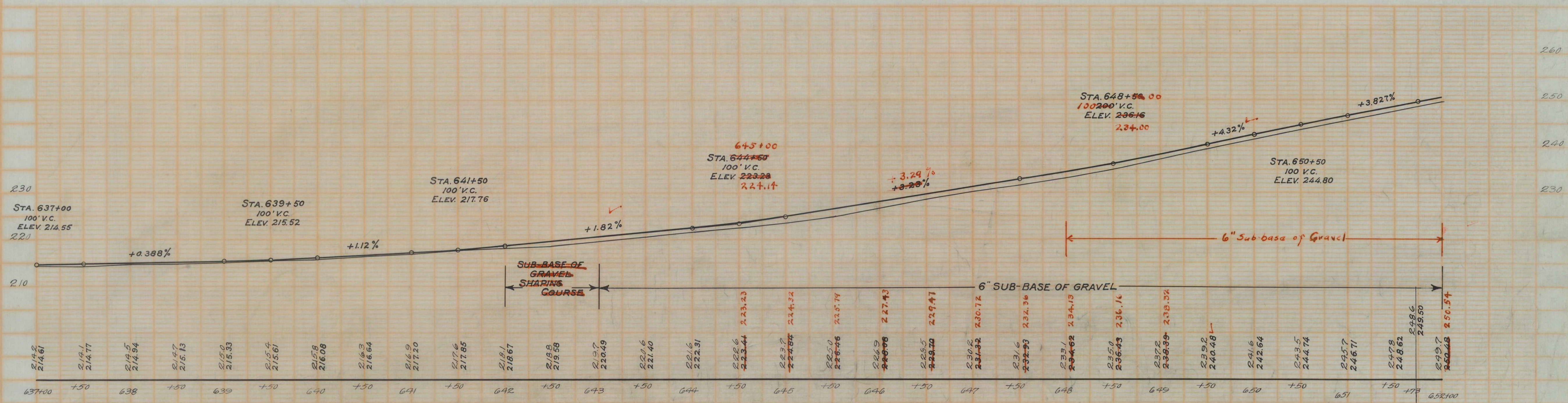
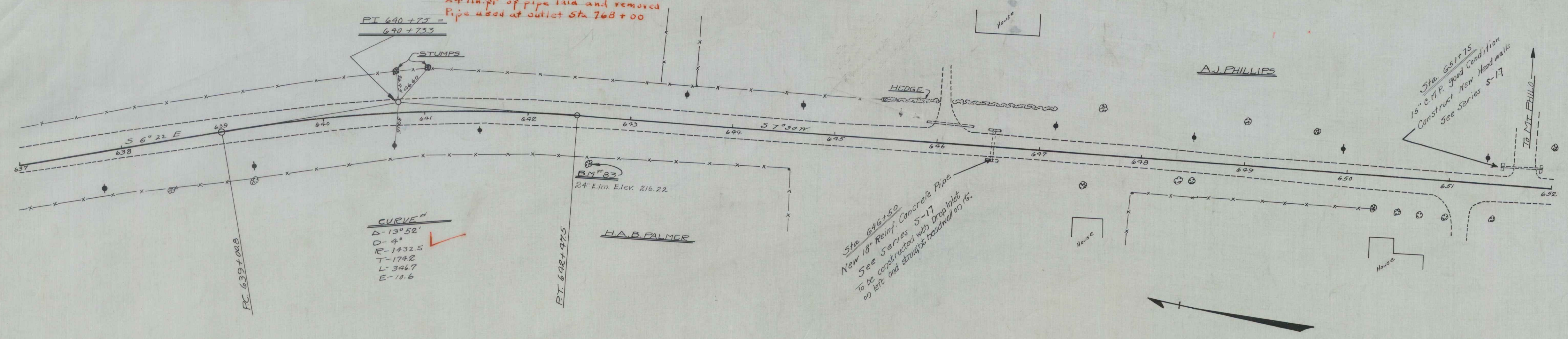
NEW CULVERTS REQUIRED
 Sta. 646+00 18" Rein. Concrete Pipe Culvert 200 ft
 with Drop Inlet on left and straight H.M. on right.
 Concrete Class A (1.24) = 1.0 cu yd
 Reinforcing steel = 1.4
 24 lin. ft of pipe 12 in. and removed
 Pipe used at outlet Sta. 708+00

NEW DRIVEWAY CULVERTS REQUIRED
 Sta. 646+00 Left 12" Rein. Concrete Metal Pipe 40 Length
 Concrete Class B (1.24) = 1.1 Cu yd

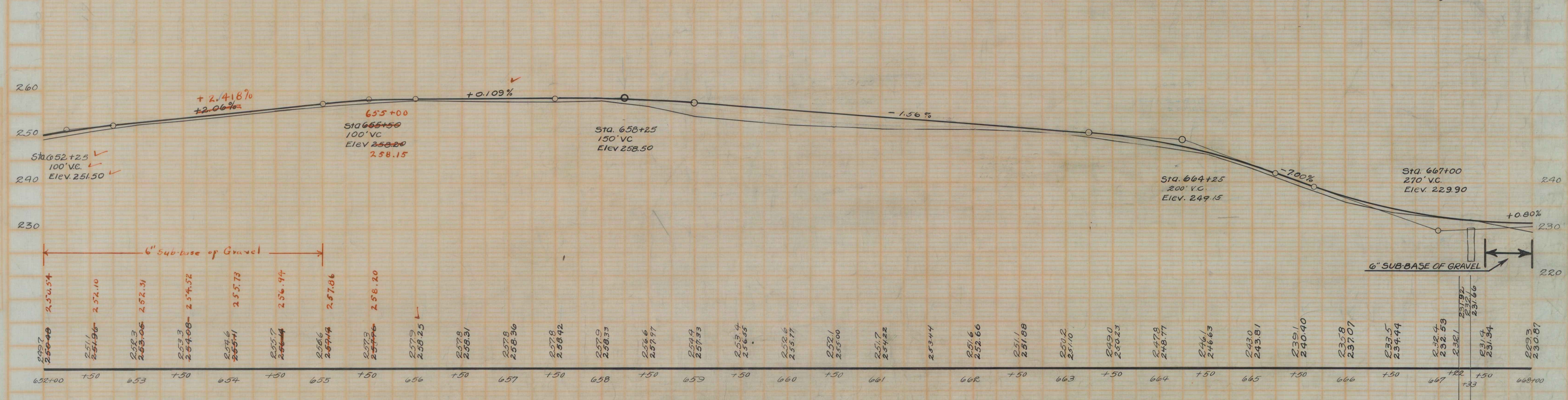
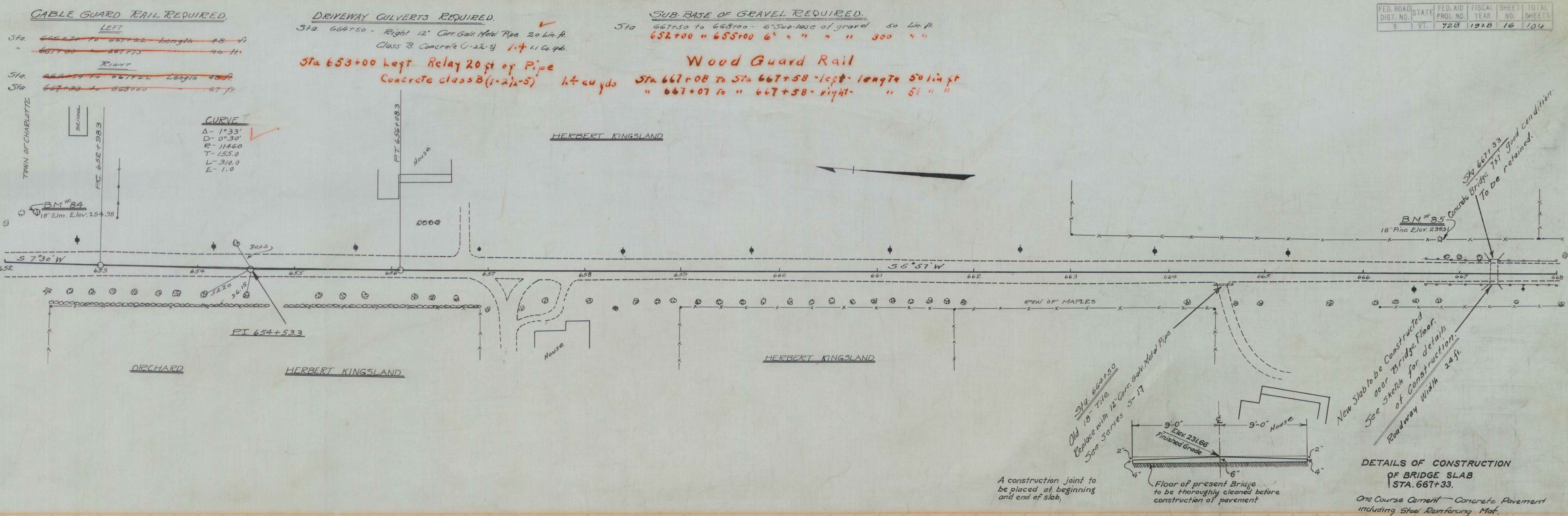
DRIVEWAY CULVERT REPAIRS REQUIRED
 Sta. 651+75 Build New Headwall Left 1.4
 Class B Concrete (1.24-5) 1.4 Cu yd
 Relay 15 ft of Pipe

SUB-BASE OF GRAVEL REQUIRED
 Sta. 648+00 to 652+00 6" Sub-base of gravel
 1.0 cu yd
 400 Lin. ft
 1.00

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	VI	728	1928	15	104



B.M. NO. 83 = SPIKE IN 24" ELM, 47' RIGHT OF STA. 642+62 ELEV. 216.22



B.M. NO. 84 -- SPIKE IN 18" ELM. 51' LEFT OF STA. 652+31 ELEV. 254.98
 B.M. NO. 85 -- SPIKE IN 18" PINE, 35' LEFT OF STA. 665+81 ELEV. 239.31

WOOD GUARD RAIL REQUIRED.
 LEFT and Right 4B
 Sta. 671+38 to 671+63 Length 24 ft.

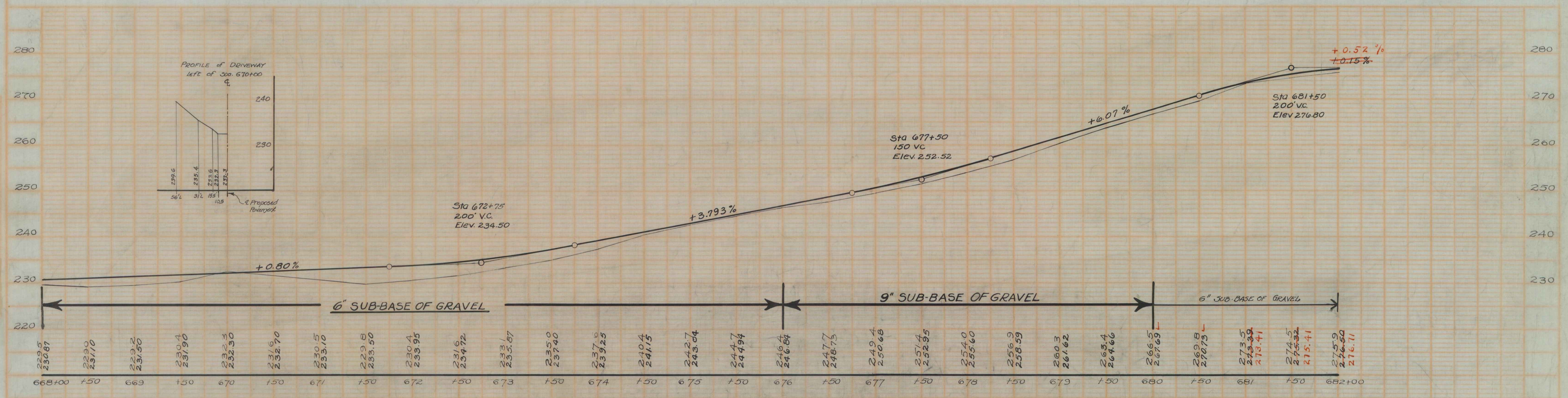
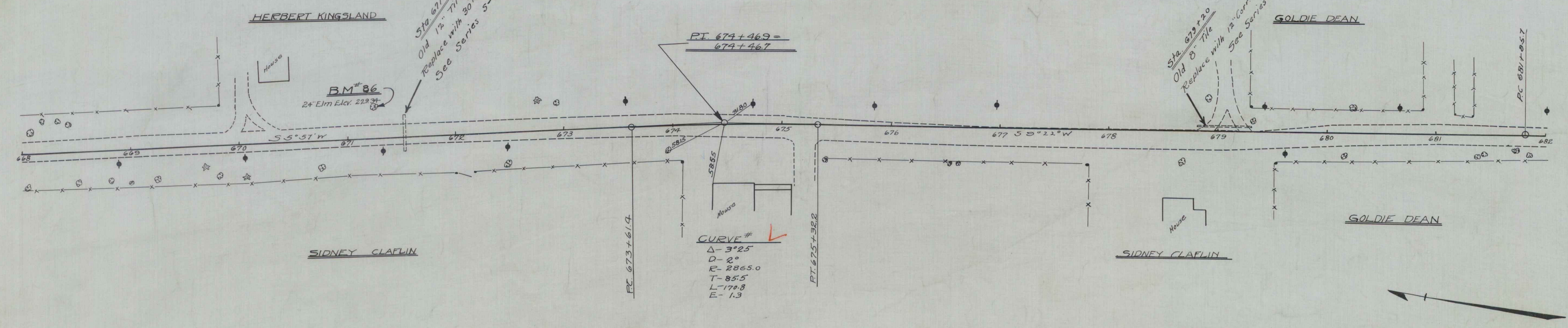
CADLE GUARD RAIL REQUIRED
 Right
 Sta. 668+00 to 672+20 Length 178 ft.
 " 670+75 672+20 248 ft.

NEW CULVERTS REQUIRED.
 Sta. 671+30 - 30" Rein. Concrete Pipe Culvert to Left
 Concrete Class A (1-2-4) 8.9 cu yds 8.9
 Reinforcing steel 66 pounds 54

DRIVEWAY CULVERTS REQUIRED
 Sta. 673+00 - Left - 12" Cor. Galv. Metal Pipe 60 Lin. ft.
 Concrete Class B (1-2-4) 11 cu yds
 Sta. 675+25 - Right - 12" Cor. Galv. Metal Pipe 30 Lin. ft.
 Concrete Class B (1-2-4) 1.4 cu yds
 " 679+00 - Right - 12" Cor. Galv. Metal Pipe 20 Lin. ft.
 Concrete Class B 1.4 cu yds
GOLDIE DEAN

SUB-BASE OF GRAVEL REQUIRED.
 Sta. 668+00 to 676+00 - 6" sub-base of gravel 800 Lin. ft.
 " 676+00 to 682+00 - 5" " " " 400 "

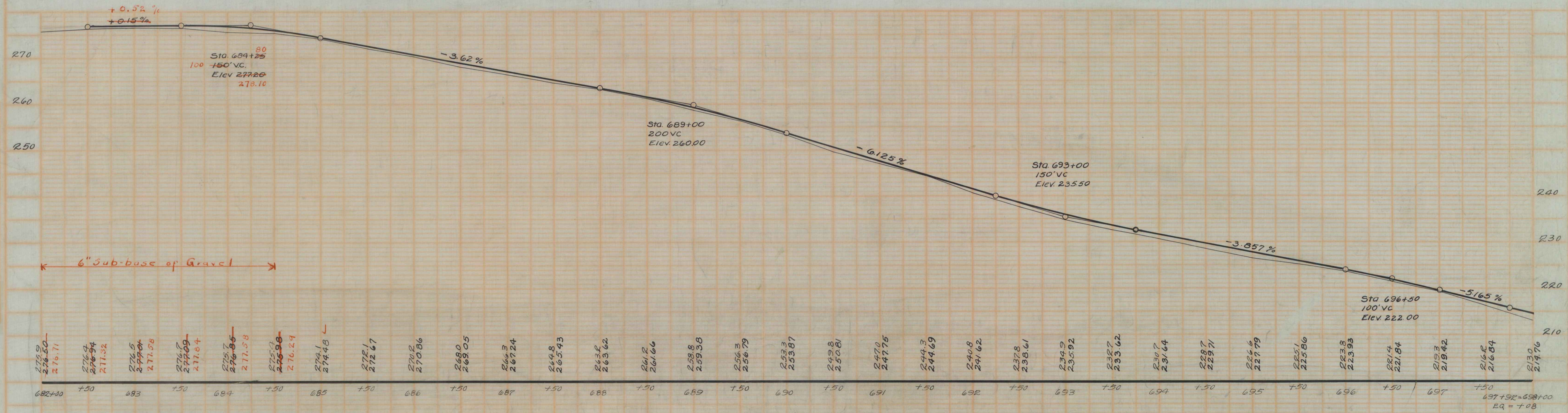
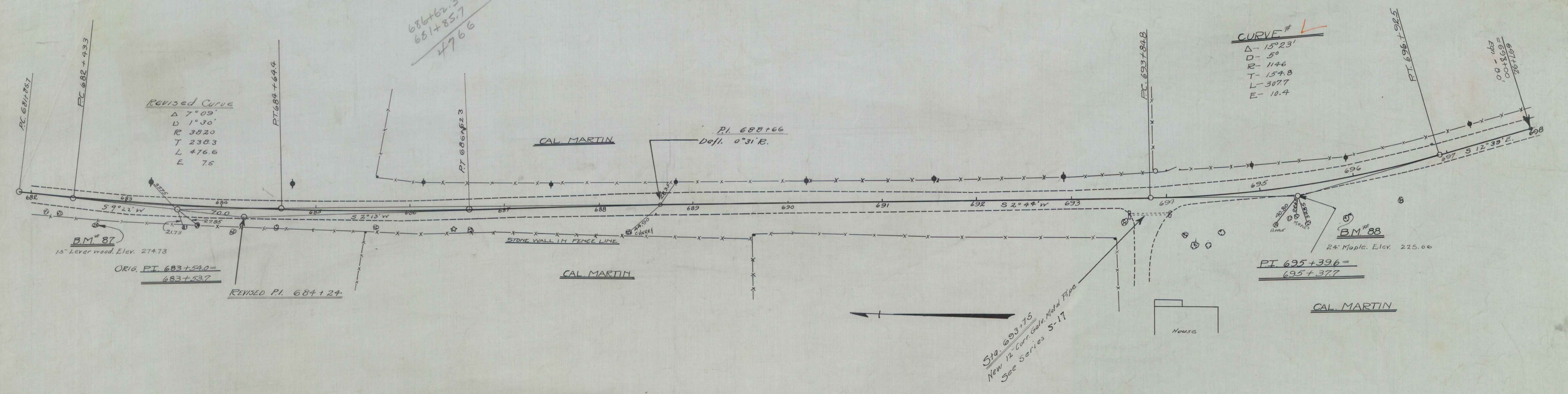
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	VI.	72B	1928	17	104



B.M. No. 86 - SPIKE IN 24" ELM, 28' LEFT OF STA. 671+25 ELEV 229.34

DRIVEWAY CULVERTS REQUIRED
 Sta 683+75 Right 12" Cor. Galv. Metal Pipe 14' Lin. ft. 32
 Concrete Class 2 (1-2'-3) 4x Culp. 1.4

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
728	VT.	1228	18	102	



B.M. No 87 ⇒ SPIKE IN 15" LEVER WOOD, 15' RIGHT OF STA. 682+32 ELEV. 274.73
 B.M. No 88 ⇒ SPIKE IN 24" MAPLE, 43' RIGHT OF STA. 695+86 ELEV. 225.06

SERIES F No 72B
 SHEET 18 of 104

WOOD GUARD RAIL REQUIRED

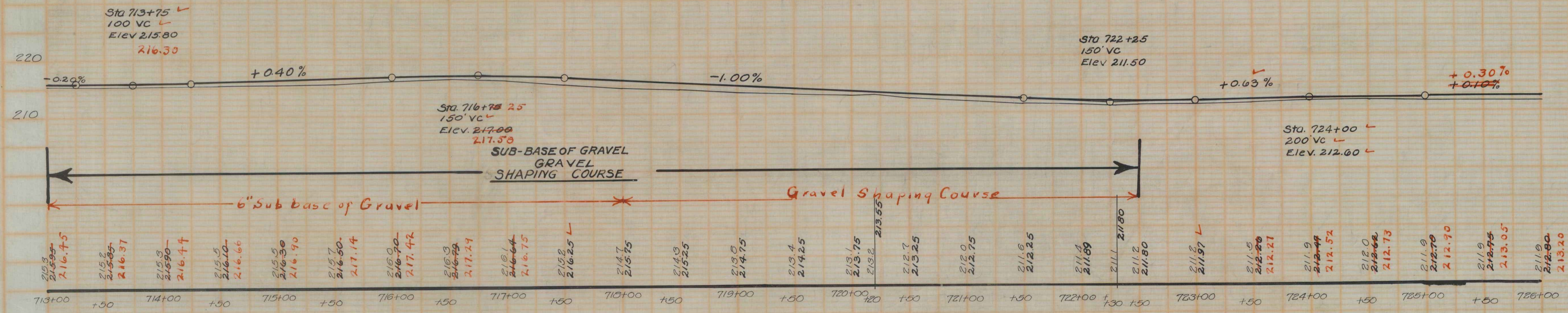
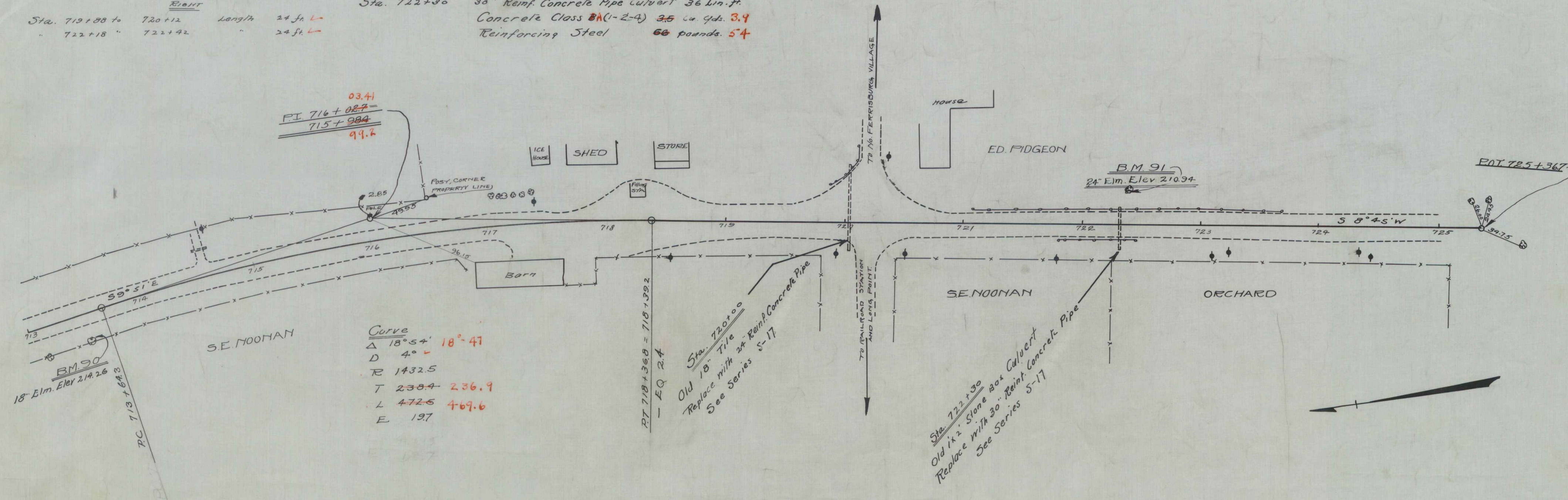
Sta.	Length	Notes
Sta. 720+00 to 720+12	12 ft	Left
722+18 to 722+42	24 ft	Left
Sta. 720+00 to 720+12	12 ft	Right
722+18 to 722+42	24 ft	Right

NEW CULVERTS REQUIRED

Sta. 720+00	24" Reinf. Concrete Pipe Culvert 76 Lin. ft	Concrete Class B (-2-4) 20 cu yds. 4.0	Reinforcing Steel 60 pounds 54.0
Sta. 722+00	30" Reinf. Concrete Pipe Culvert 36 Lin. ft	Concrete Class B (-2-4) 35 cu yds. 3.4	Reinforcing Steel 60 pounds 54

SUB-BASE OF GRAVEL REQUIRED
 Sta. 718+00 to 722+50 Gravel Shaping Course 360 Lin. ft
 " 713+00 " 718+00 6" Sub base of Gravel 500 "

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	VT	720	1923	20	100



B.M. No 90 Spike in 18" Elm. Right of 713+43 Elev. 214.26
 B.M. No 91 Spike in 24" Elm. Left of Sta. 722+30, Elev. 210.49

WOOD GUARD RAIL REQUIRED

Direction	Station Range	Length
LEFT	Sta. 733+76 to 734+100	24 ft
	736+00 to 737+112	24 "
RIGHT	Sta. 733+76 to 734+100	24 ft
	736+00 to 737+112	24 "

NEW CULVERTS REQUIRED

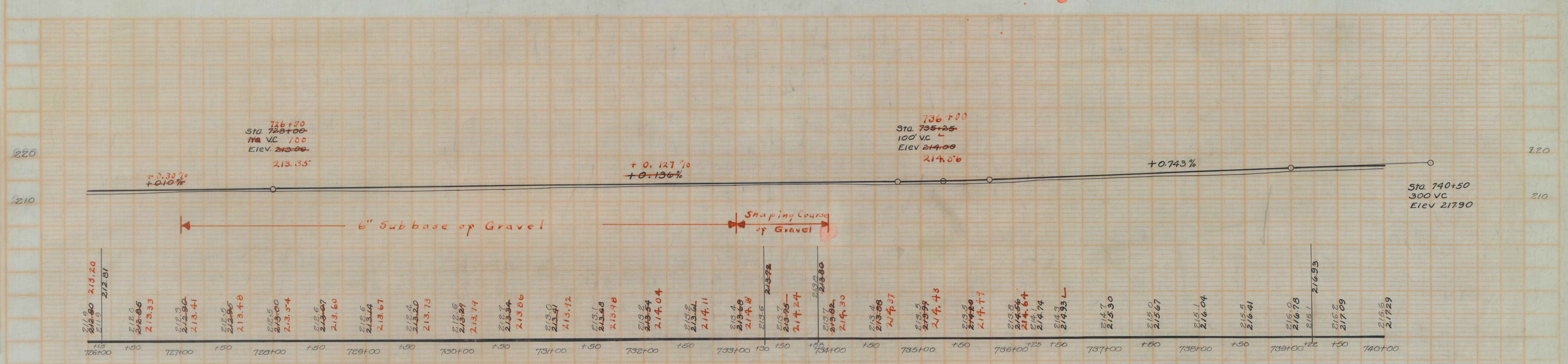
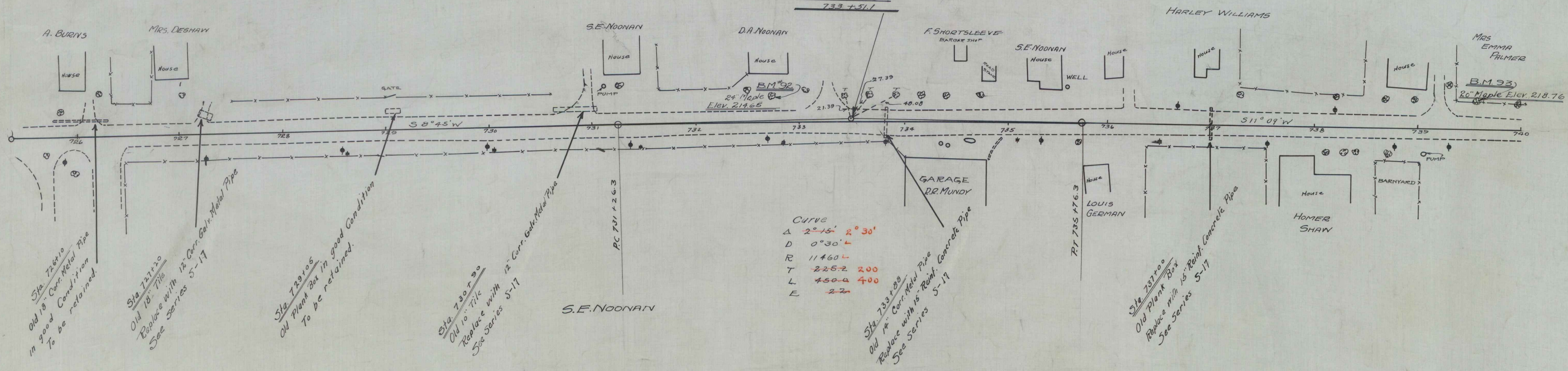
Sta. 733+88	15" Reinf. Concrete Pipe Culvert 30 ft. +8
	Concrete Class B (1-2 1/2-5) 2.6 cu yds
	Reinforcing Steel 33 pounds
Sta. 737+00	15" Reinf. Concrete Pipe Culvert 32 ft.
	Concrete Class B (1-2 1/2-5) 2.6 cu yds
	Reinforcing Steel 33 pounds

DEWEYAN CULVERTS REQUIRED

Sta. 727+20	Left 12" Cor. Galv. Metal Pipe 20 ft.
	Concrete Class B (1-2 1/2-5) 11 cu yds
Sta. 730+20	Left 12" Cor. Galv. Metal Pipe 40 ft.
	Concrete Class B (1-2 1/2-5) 11 cu yds
Sta. 736+20	Left 12" Cor. Galv. Metal Pipe 20 ft. +8
	Concrete Class B (1-2 1/2-5) 1.4 cu yds

Sta 736+15 Right - 12" Cor. Galv. Metal Pipe 20 lin. ft.
 Concrete Class B (1-2 1/2-5) 1.4 Cu yds
 " 726+00 Left - Repair Headwalls
 Concrete class B (1-2 1/2-5) 1.4 Cu yds

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	726	1948	21	104

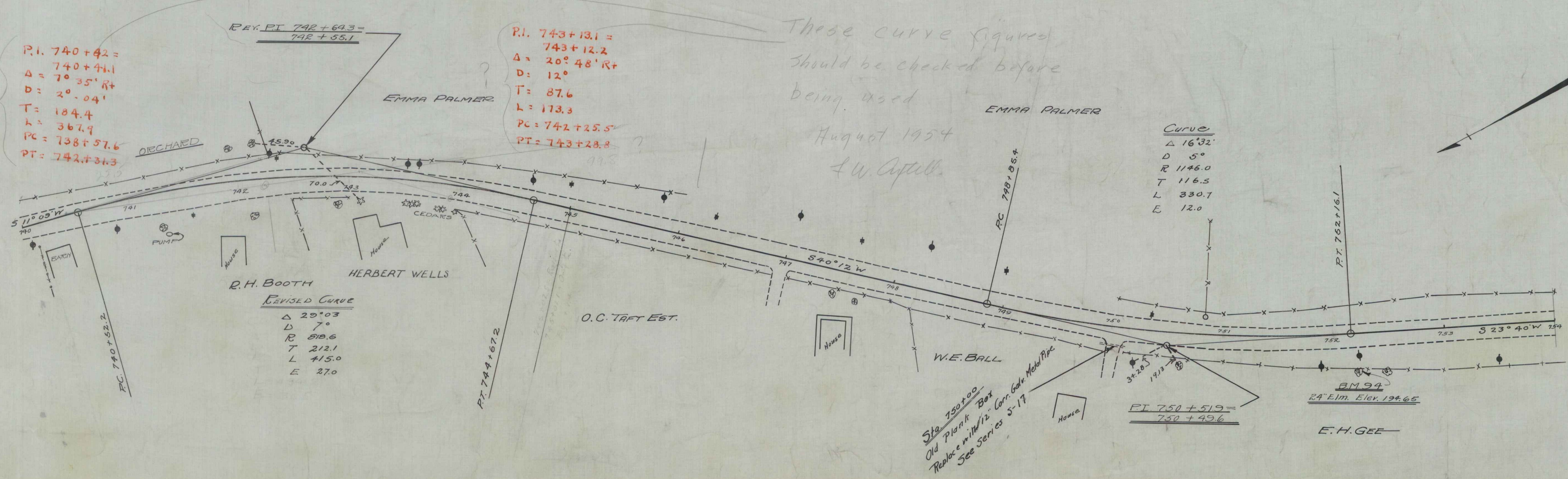


B.M. No. 92, Spike in 24 Maple, Left of Sta. 722+75 Elev. 214.65
 B.M. No. 93 " " 20 " " 739+55 " 218.76

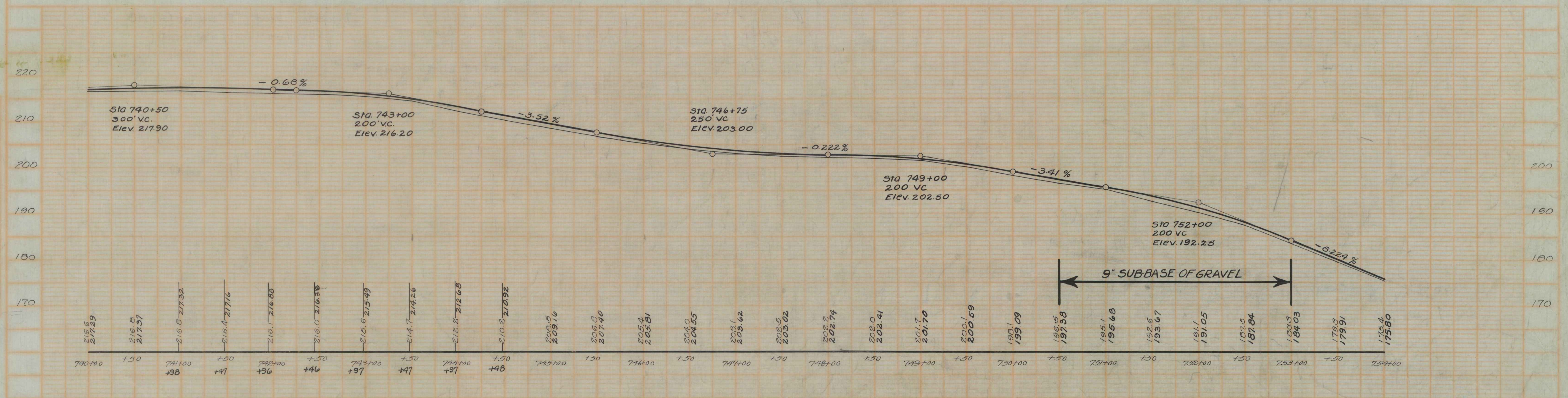
Series F No 72B.
 Sheet 21 of 104

DRIVEWAY CULVERTS REQUIRED.
 Sta. 740+50 Right 12" Concrete Metal Pipe 20 ft.
 Concrete Class B (1-2 1/2") 14 Cuy. ds.
 Sta. 744+25 Left Relay 20 Inpt. of Pipe
 Concrete class B (1-2 1/2") 14 Cuy. ds.

SUB-BASE OF GRAVEL REQUIRED.
 Sta. 750+50 to 753+00 9" Sub-base of gravel 250 ft.
 Sta. 753+00 to 754+00 9" Sub-base of gravel 100 ft.
 Sta. 748+50 to 746+00 6" Sub-base of gravel 250 ft.



7W
 759
 1063
 5224
 57568
 736.33
 793.90

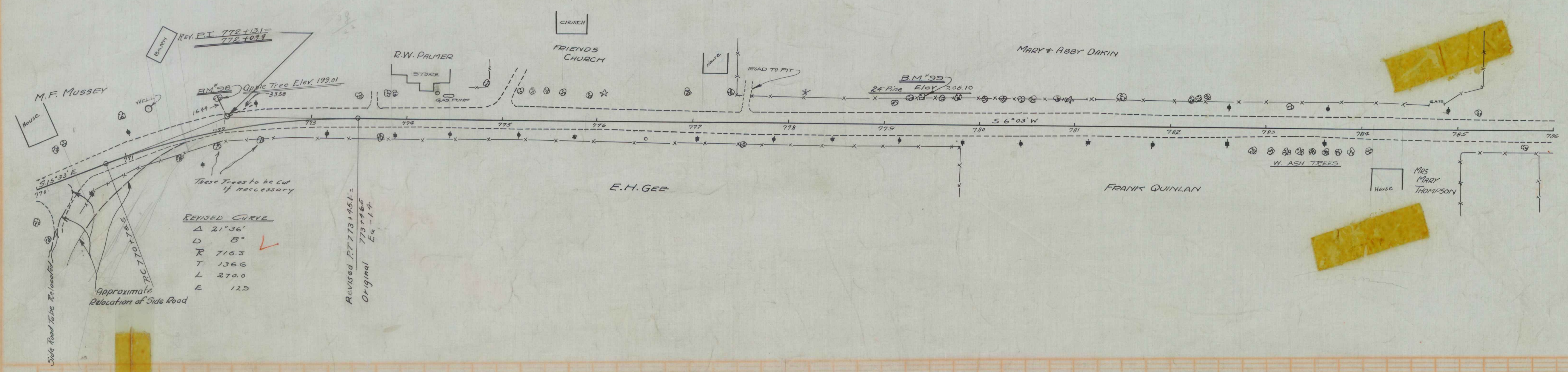


B.M. No. 24 Spike in 27' Elm Right of 752+20 Elev 194.65

SUB-BASE OF GRAVEL REQUIRED 350
 Sta 770+00 772+50 - 12" Sub-base of Gravel 200 L.S.P.
 773+50
 " 785+00 786+00 6" " " " " 100 " "

CONCRETE RETAINING WALLS REQUIRED

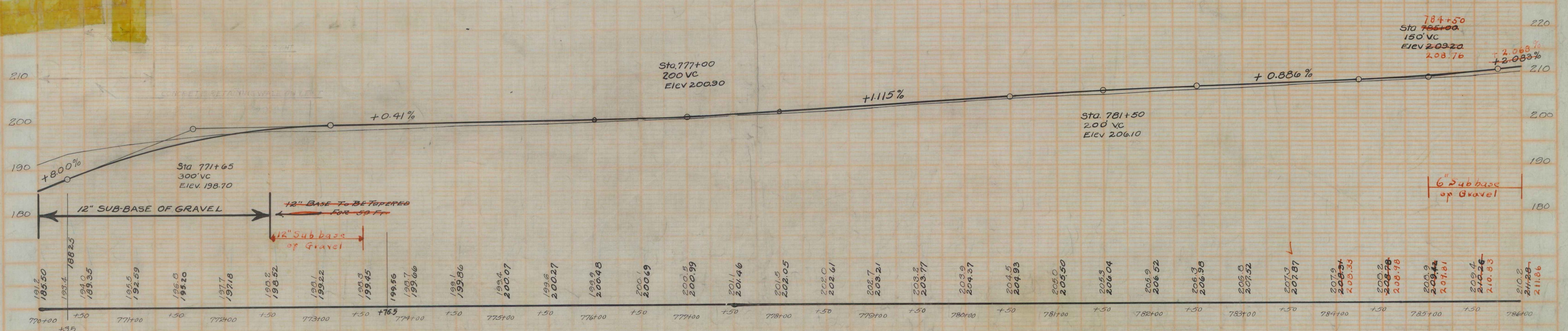
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VI.	720	1920	24	104



REVISED CURVE

Δ	21°36'
D	8°
R	716.3
T	136.6
L	270.0
E	12.5

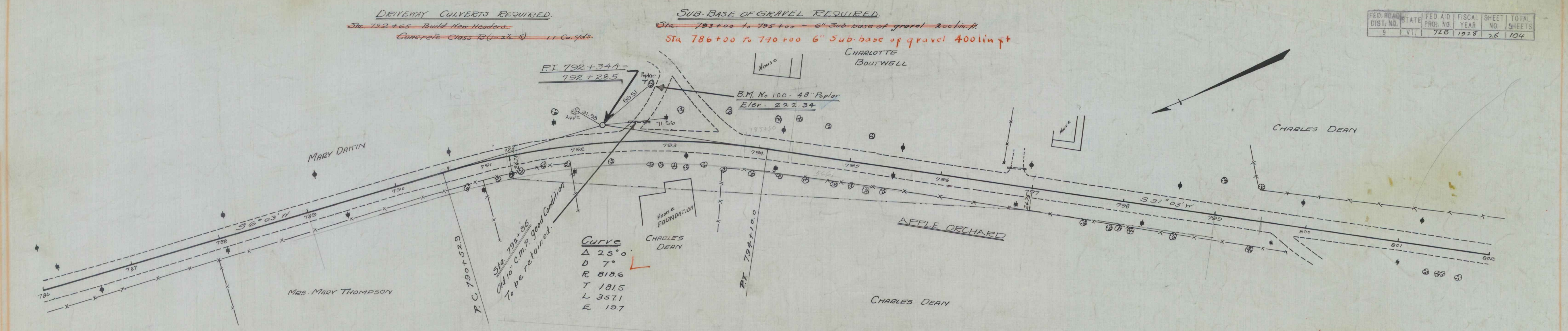
Approximate Relocation of Side Road



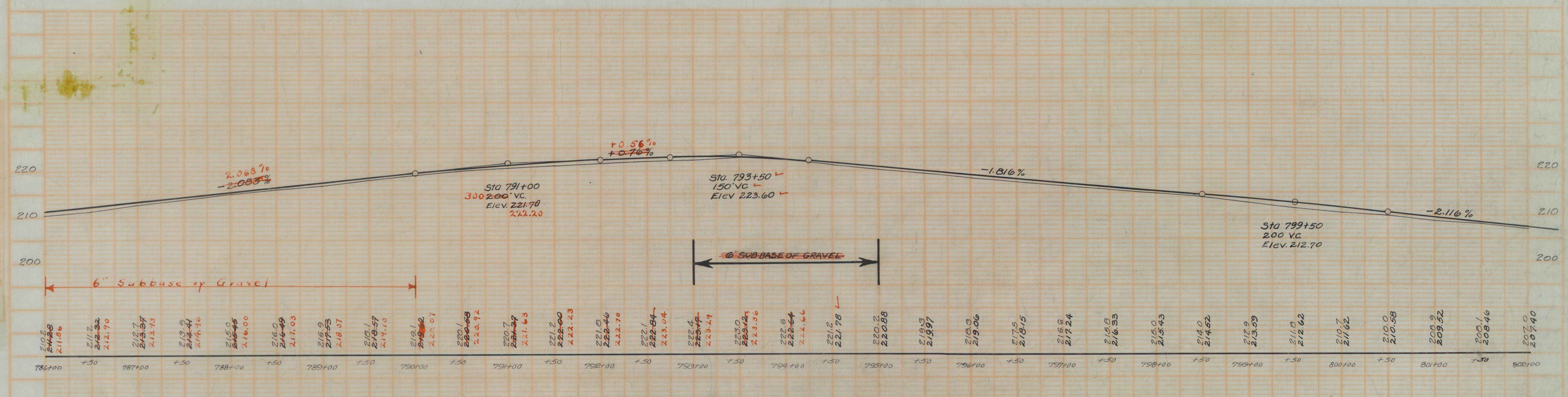
770+00	185.50	771+00	192.59	772+00	197.18	773+00	198.52	774+00	199.56	775+00	200.07	776+00	200.48	777+00	200.99	778+00	201.46	779+00	202.05	780+00	202.7	781+00	203.77	782+00	204.5	783+00	205.0	784+00	205.9	785+00	206.9	786+00	211.86
	185.50		192.59		197.18		198.52		199.56		200.07		200.48		200.99		201.46		202.05		202.7		203.77		204.5		205.0		205.9		206.9		211.86

B.M. No. 90. Spike in Apple Tree Left of Sta. 772+00 Elev. 198.01
 B.M. No. 93. " " 24" Pine Left " " 779+30 Elev. 205.10

Series f No 728
 Sheet 24 of 104



PARCEL INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
A	W.D.O.E. 10-9-20	C.H. & MARTHA J. DEAN	ST. OF VT.	FERRISBURGH BOOK 324 PAGE 31 DATE 10/4/20	



B.M. 100 Spike in 48" Poplar Left of Sta. 792+34.4 Elev. 222.34

Series F No. 72.B
Sheet 25 of 104

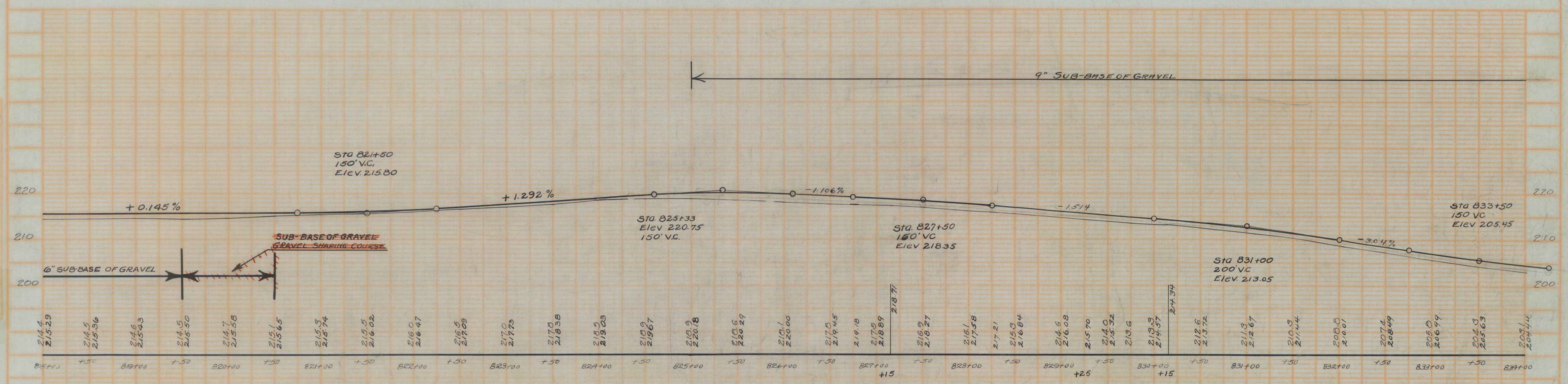
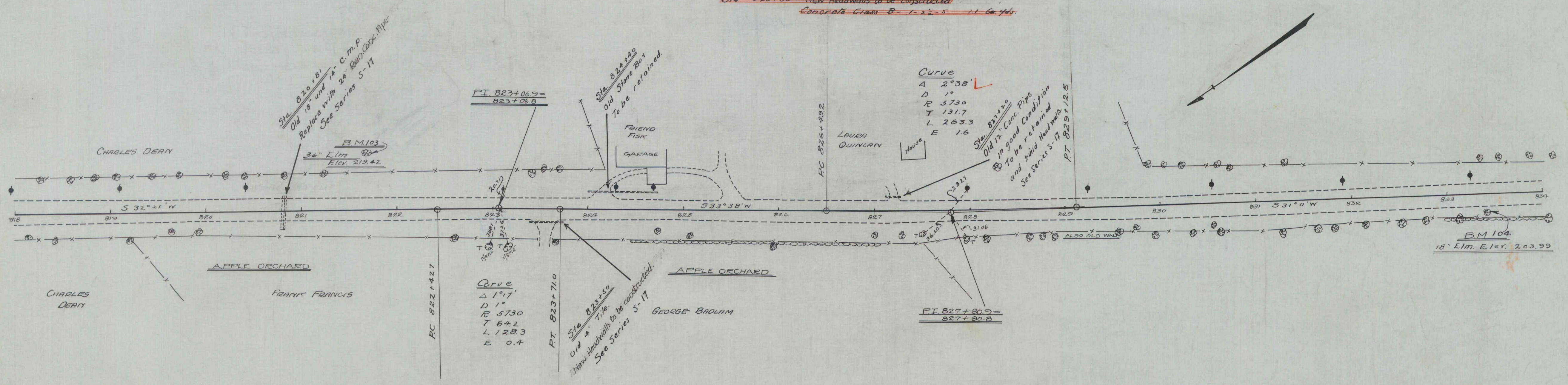
WOOD GUARD RAIL REQUIRED.
 LEFT
 Sta. 820+69 to 820+93 Length 24 ft ✓
 RIGHT
 Sta. 820+69 to 820+93 Length 24 ft ✓

NEW CULVERTS REQUIRED ✓
 Sta. 820+81 - 24" Reinf. Concrete Pipe Culvert 92 ft
 Concrete Class A (1-2-A) 4.726 Cu. Yds.
 Reinforcing Steel 5+ 00 pounds.

DRIVEWAY CULVERT REPAIRS REQUIRED.
 Sta. 827+20 Build New Headwall Relay 14 ft Pipe
 Concrete Class B (1-2-B) 1.426 Cu. Yds.

SUB-BASE OF GRAVEL REQUIRED.
 Sta. 818+00 to 819+50 - 6" Sub-base of gravel 150 Lin. ft
~~819+50 to 820+00 - 6" Sub-base of gravel 150 Lin. ft~~
 " 825+00 to 834+00 - 9" Sub-base of gravel 900 Lin. ft

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT	728	1928	27	104

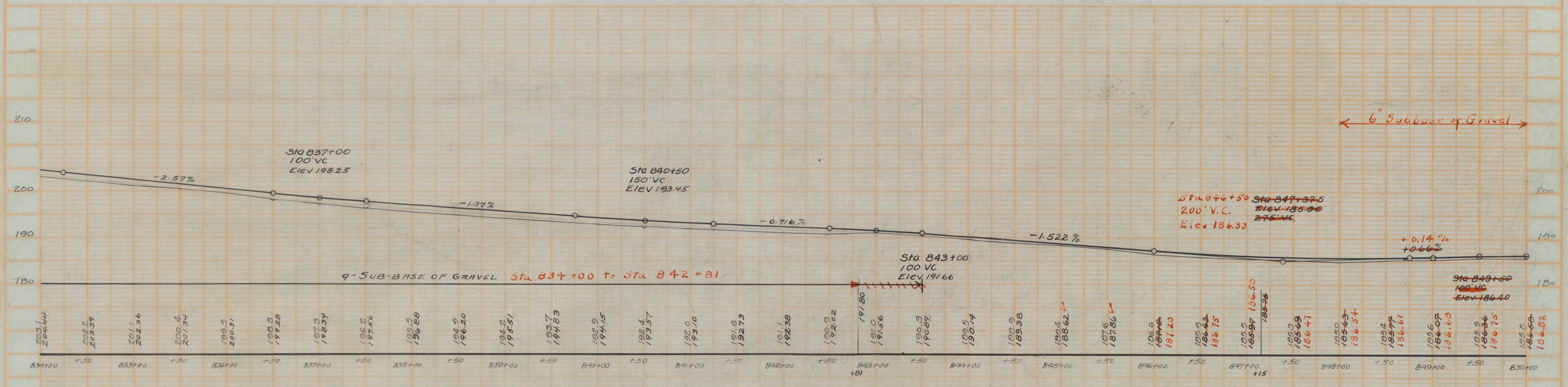
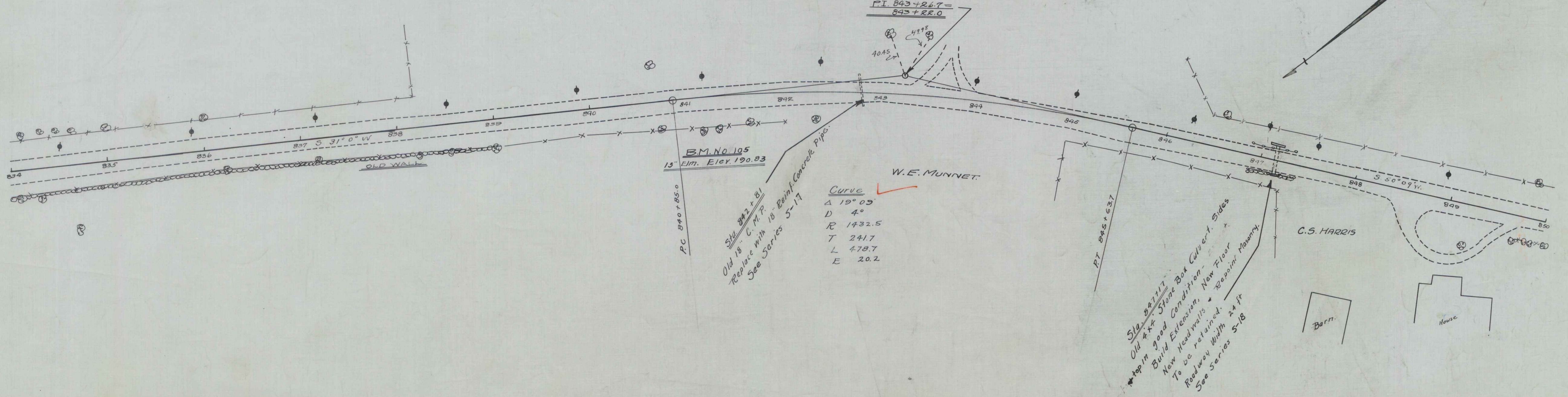


B.M. No. 103 Spike in 36" Elm. Left of Sta. 821+89 Elev. 219.42
 B.M. No. 104 " " 18" " Right " " 833+40 Elev. 203.99

Series F No 72B
 Sheet 27 of 104

WOOD GUARD RAIL REQUIRED			CABLE GUARD RAIL REQUIRED			NEW CULVERTS REQUIRED			CULVERT REPAIRS REQUIRED		
LEFT			LEFT			18" Reinf. Concrete Pipe Culvert			44" Stone Box Culvert		
Sta. 842+67 to 842+93	Length	24 ft	Sta. 842+80 to 842+84	Length	ca. ft.	Sta. 842+81	33 ft	Sta. 847+17	44 ft	Repoint - New floor + Eased.	
842+98 " 843+12	"	14 ft				Concrete Class B (1-2-4)	27 Cu. yd.	Concrete Class B (1-2-4)	100 Cu. yd.	Reinforcing Steel	601 Pounds
841+05 " 841+29	"	24 ft	RIGHT			Reinforcing Steel	33 pounds				
Sta. 842+67 to 842+93	Length	24 ft	Sta. 842+80 to 842+84	Length	64 ft.	Sta. 834+85	32 ft				
842+98 " 843+12	"	14 ft				Concrete Class B (1-2-4)	27 Cu. yd.				
841+05 " 841+29	"	24 ft				Reinforcing Steel	33 lbs				

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VI.	72.0	1928	28	104

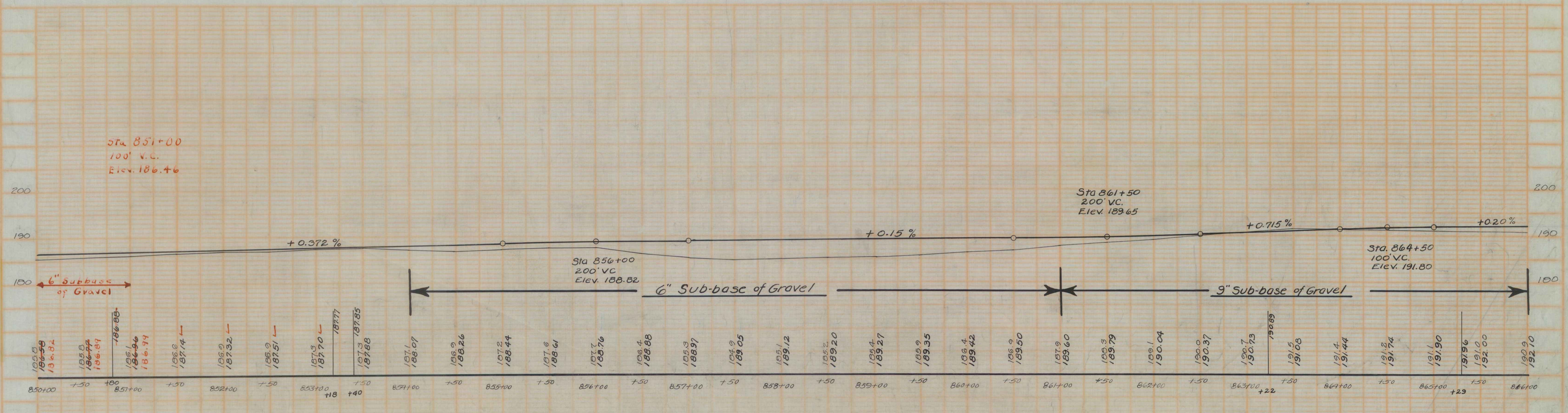
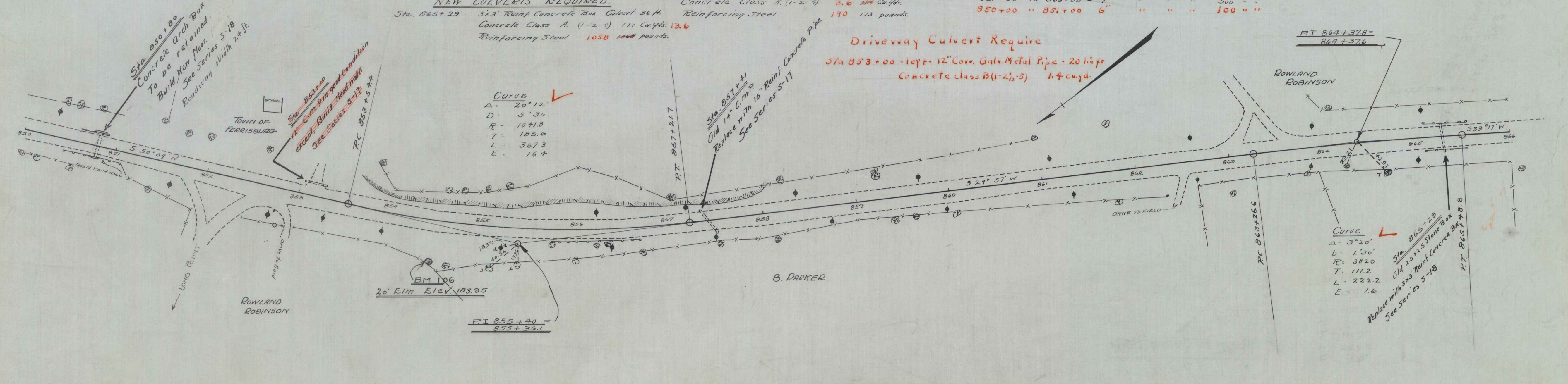


B.M. No. 105 Spike in 15" Elm Right of Sta. 841+16 Elev 190.83

Series F No 72B
Sheet 28 of 104

WOOD GUARD RAIL REQUIRED.				CABLE GUARD RAIL REQUIRED.				NEW CULVERTS REQUIRED.				DRIVEWAY CULVERT REPAIRS				SUB-BASE OF GRAVEL REQUIRED.													
Sta	865+17	to	865+42	Length	24 ft.	Sta	850+30	to	850+56	Length	26 ft.	Sta	857+11	to	857+16	Length	5 ft.	Sta	857+10	to	857+10	Length	0 ft.	Sta	85+100	to	861+00	Length	700 ft.
	859+63		859+42		24 "		850+44		850+30		24 "		857+11		857+16		5 "		857+10		857+10		0 "		85+100		861+00		7 "
	857+24		857+53		24 "		851+24		851+30		6 "		857+11		857+16		5 "		857+10		857+10		0 "		850+00		851+00		6 "
Sta	865+17	to	865+57	Length	40 ft.	Sta	850+10	to	851+28	Length	18 ft.	Sta	850+80	to	850+80	Length	0 ft.	Sta	85+100	to	861+00	Length	700 ft.	Sta	85+100	to	861+00	Length	700 ft.
	850+63		850+42		24 "		851+24		851+30		6 "		850+80		850+80		0 "		85+100		861+00		700 "		85+100		861+00		700 "
	857+24		857+53		24 "		851+24		851+30		6 "		850+80		850+80		0 "		85+100		861+00		700 "		85+100		861+00		700 "

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
		718	1928	27	104



B.M. No. 106 Spike in 20' Elm. Right of Sta 854+47. Elev. 183.95

Series F No 72B Steel 25 of 104

WOOD GUARD RAIL REQUIRED
LEFT
 Sta. 871+43 to 871+73 Length 24 ft
RIGHT
 Sta. 871+43 to 871+73 Length 24 ft

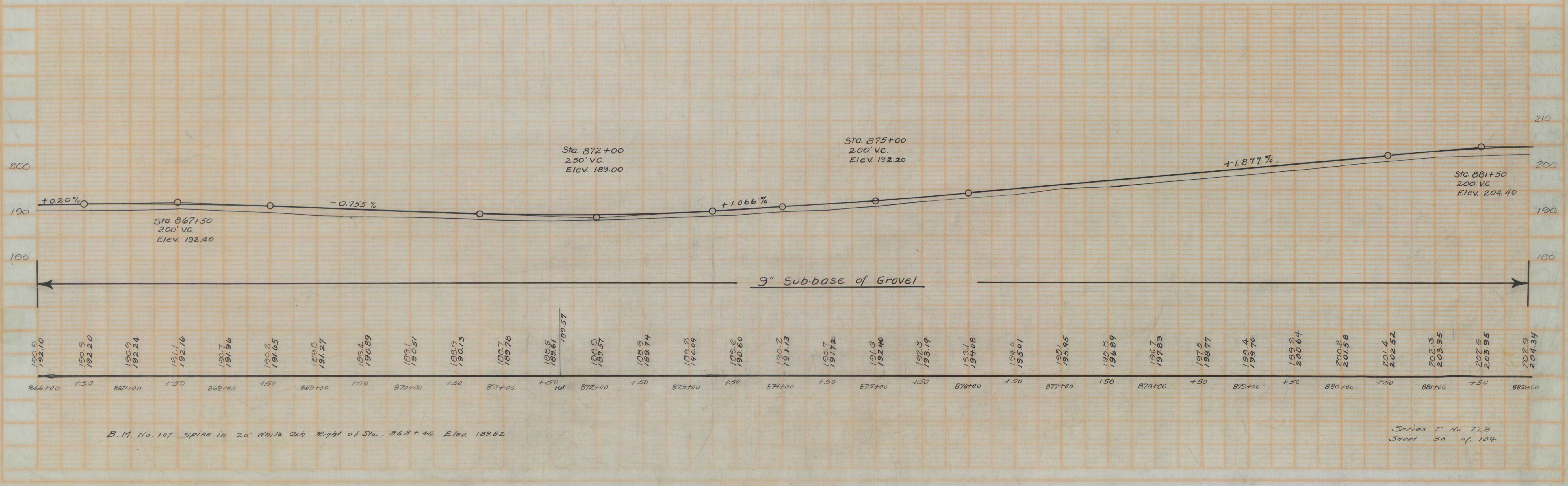
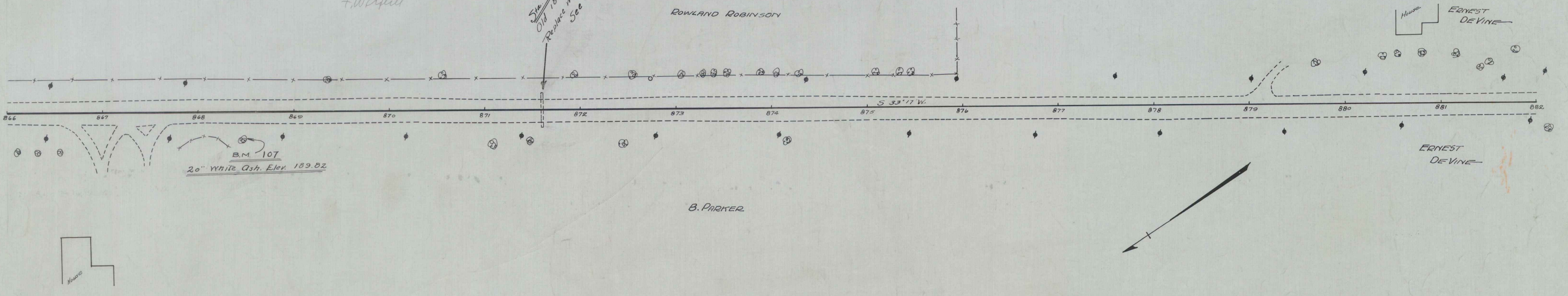
NEW CULVERTS REQUIRED
 Sta. 871+61 - 18" Reinf. Concrete Pipe Culvert 32 ft.
 Concrete Class B (1-25-2) 27 Cu. Yds.
 Reinforcing Steel 33 pounds.

SUB-BASE OF GRAVEL REQUIRED
 Sta. 866+00 to 882+00 - 9" Sub-base of gravel 1600 tons

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VI.	722	1954	30	104

Record Plan Additions
 Stop at Sta 866+00
 August 9, 1954
 F. W. A. T. H.

Sta. 871+61
 Old 18" C. P. R.
 Replace with 18" Rein. Concrete Pipe
 See Series S-17



B.M. No. 107 spike in 20" White Oak Right of Sta. 868+46 Elev. 189.82

Series F No. 12.B
 Sheet 30 of 104

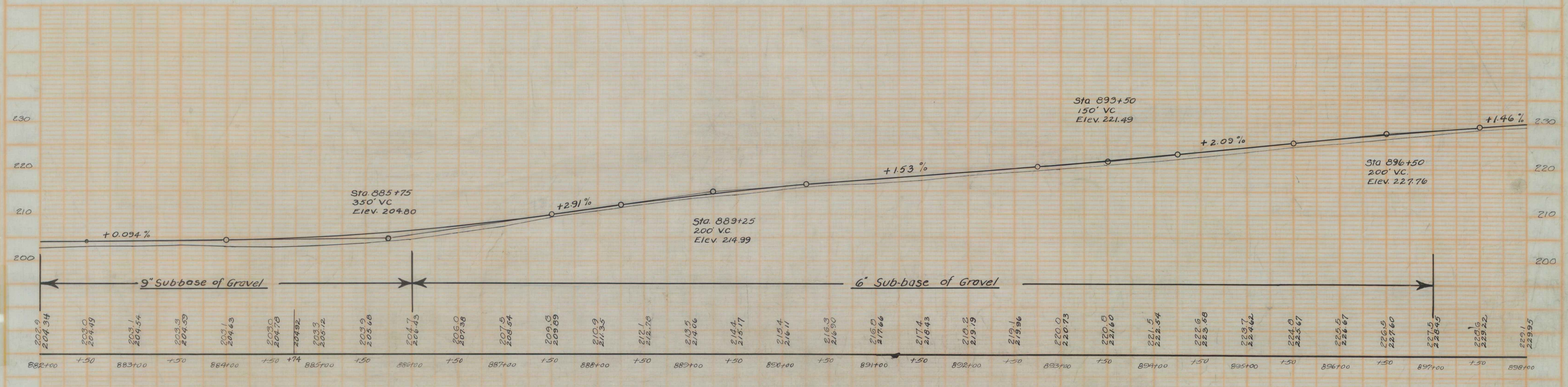
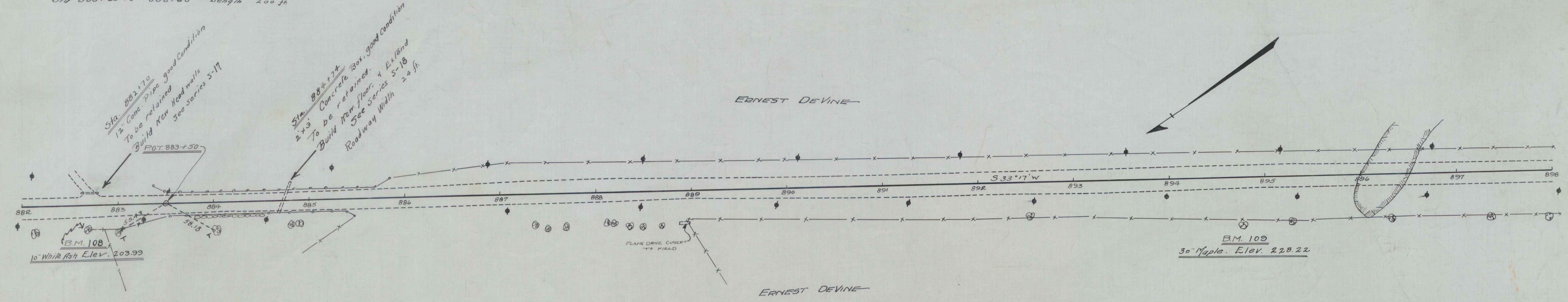
CABLE GUARD RAIL REQUIRED
LEFT
 Sta 883100 to 885100 - 200 ft
RIGHT
 Sta 883100 to 885100 Length 200 ft

CULVERT REPAIRS REQUIRED.
 Sta. 884274 2x3 Concrete Box Culvert.
 Build New floor & Extend.
 Class A Concrete 4.9 cu yd.
 Reinforcing Steel 326 pounds.

DRIVEWAY CULVERT REPAIRS REQUIRED.
 Sta. 882170 Build New Headers.
 Class B Concrete (4-2 1/2) 11 Cu yds.

SUB-BASE OF GRAVEL REQUIRED.
 Sta 882100 to 886100 - 9" Sub-base of gravel 400 Lin. ft.
 " 886100 to 897100 " 6" " " 1100 "

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	VI.	12 B	1928	37	104



B.M. No. 103 Spike in 10" White Ash Right of Sta. 882+69 Elev. 203.99
 B.M. No. 109 Spike in 30" Maple Right of Sta. 894+76 Elev. 228.22

Series F No 72 B
 Sheet 31 of 104

WOOD GUARD RAIL REQUIRED

LEFT
Sta. 910+50 to 910+84 Length 34 ft.

RIGHT
Sta. 910+60 to 910+84 Length 24 ft.

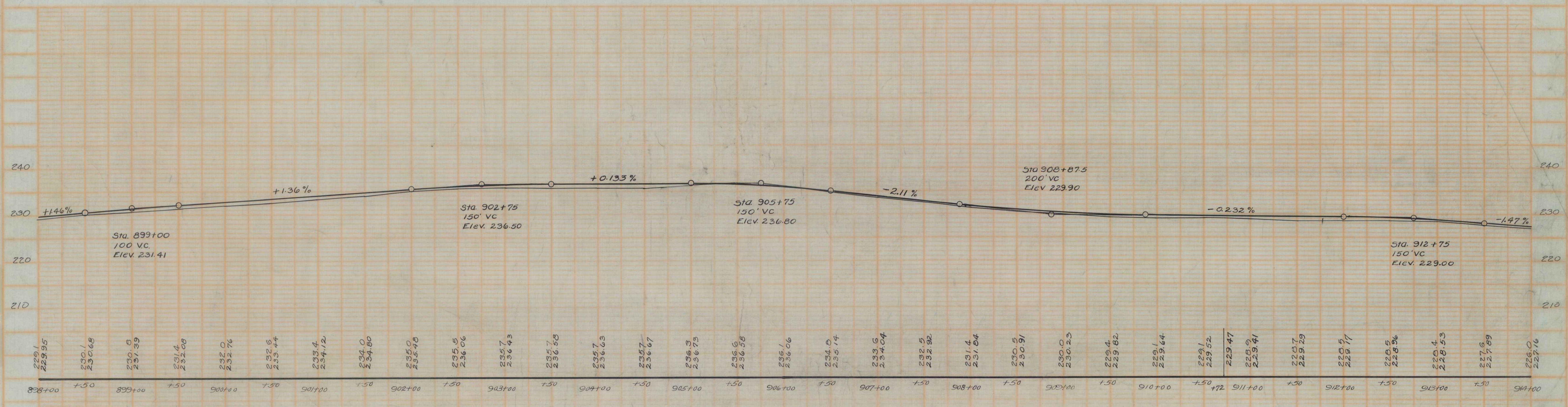
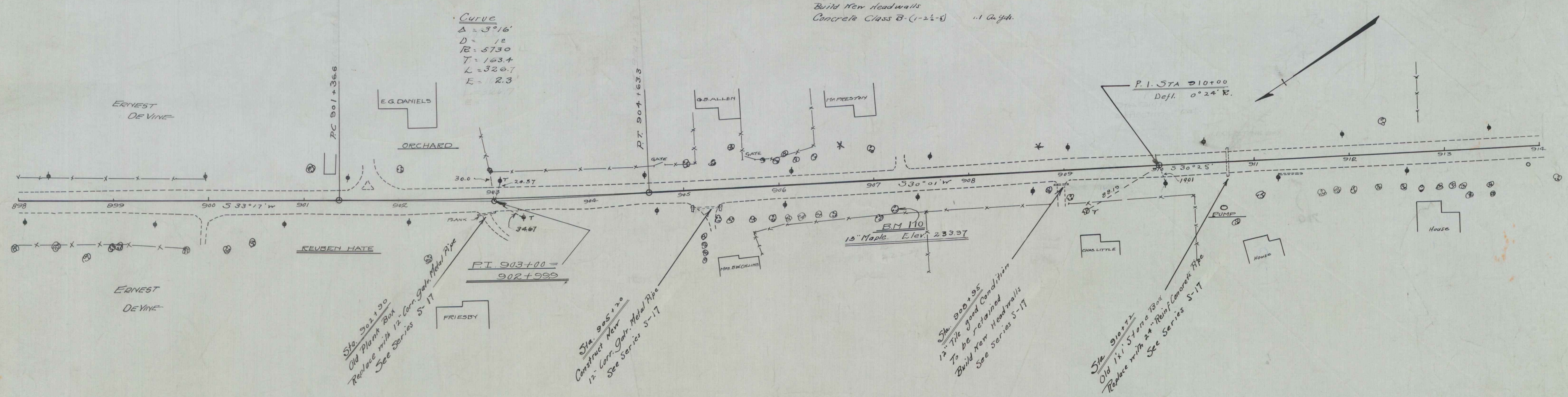
NEW CULVERTS REQUIRED

Sta. 910+72 24" Rein. Concrete Pipe Culvert 32 ft.
Concrete Class A (1-2-A)
Reinforcing Steel 60 Rounds.

DIFFERENT CULVERTS REQUIRED

Sta. 902+30 Right 12" Cor. Galv. Metal Pipe 20 ft.
Concrete Class B (1-2-B)
Sta. 905+20 Right 12" Cor. Galv. Metal Pipe 30 ft.
Concrete Class B (1-2-B)
Sta. 908+35 Right 12" Tile Tube relined
Build New Headwalls
Concrete Class B (1-2-B) 11 Gully.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	726	1959	32	104



B.M. No. 110. Spike in 15" Maple. Right of Sta. 907+10 Elev. 233.97

WOOD GUARD RAIL REQUIRED.

Left
Sta. 926+95 to 927+15 Length 24 ft

Right
Sta. 926+55 to 927+15 Length 24 ft

NEW CULVERTS REQUIRED

Sta 927+07 18" Reinf. Concrete Pipe Culvert 40 ft
Concrete Class B (1-2 1/2-3)
Reinforcing Steel 1.9 Cu yds.
30 pounds.

NEW DRIVEWAY CULVERTS REQUIRED

Sta 920+12 Left: New 12" Dorr. diam Metal Pipe Length: 20 ft
Concrete Class B (1-2 1/2-3) - 1.1 cu yds.

DRIVEWAY CULVERTS TO BE RETAINED

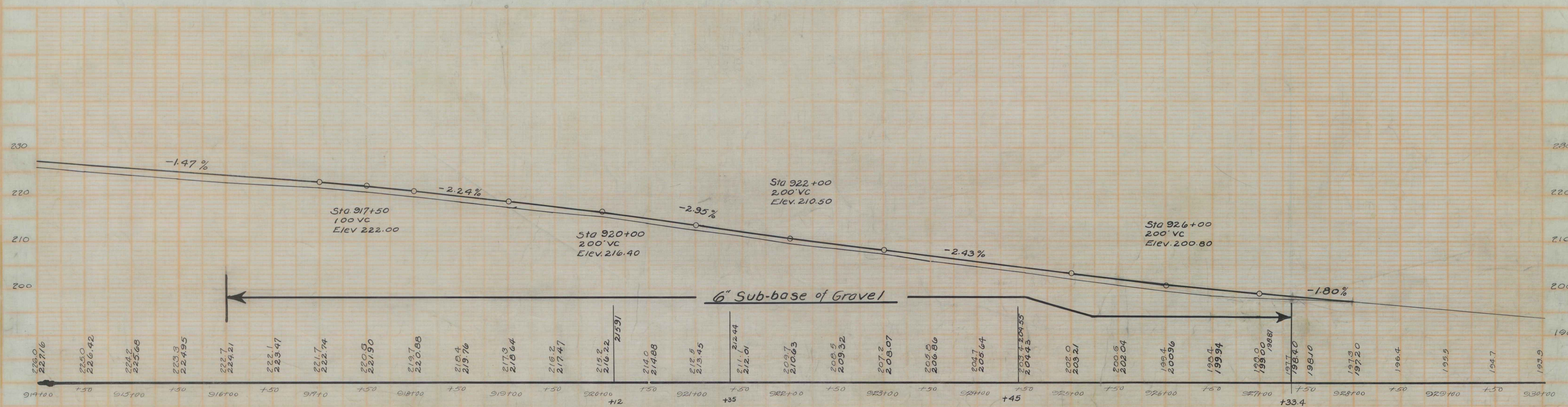
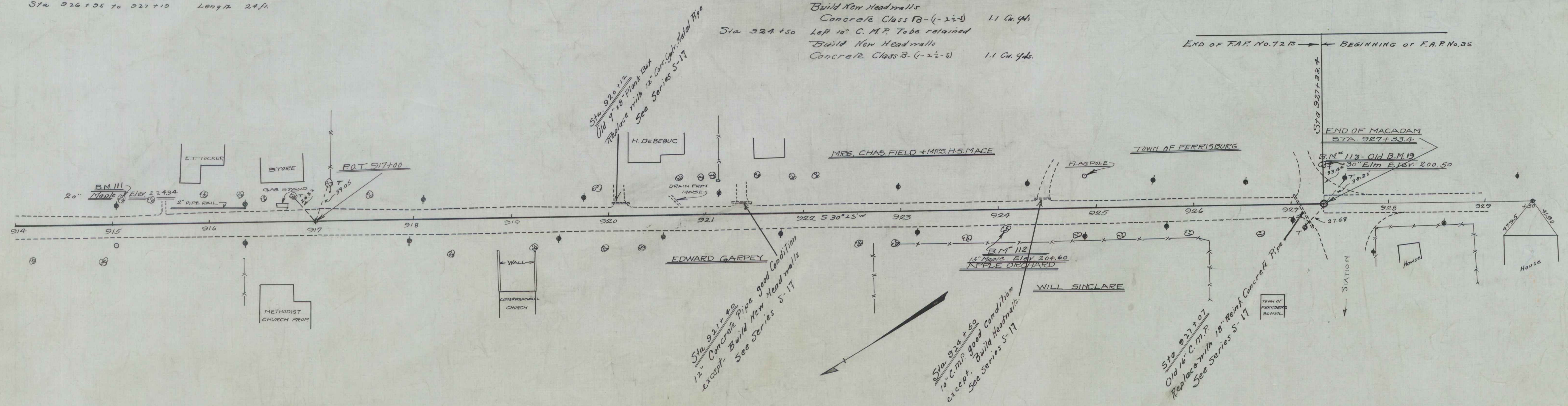
Sta 921+70 Left 12" Concrete Pipe
To be retained
Build New Headwalls
Concrete Class B (1-2 1/2-3) 1.1 Cu yds.

Sta 924+50 Left 18" C.M.P. Tube retained
Build New Headwalls
Concrete Class B (1-2 1/2-3) 1.1 Cu yds.

SUB-BASE OF GRAVEL REQUIRED.

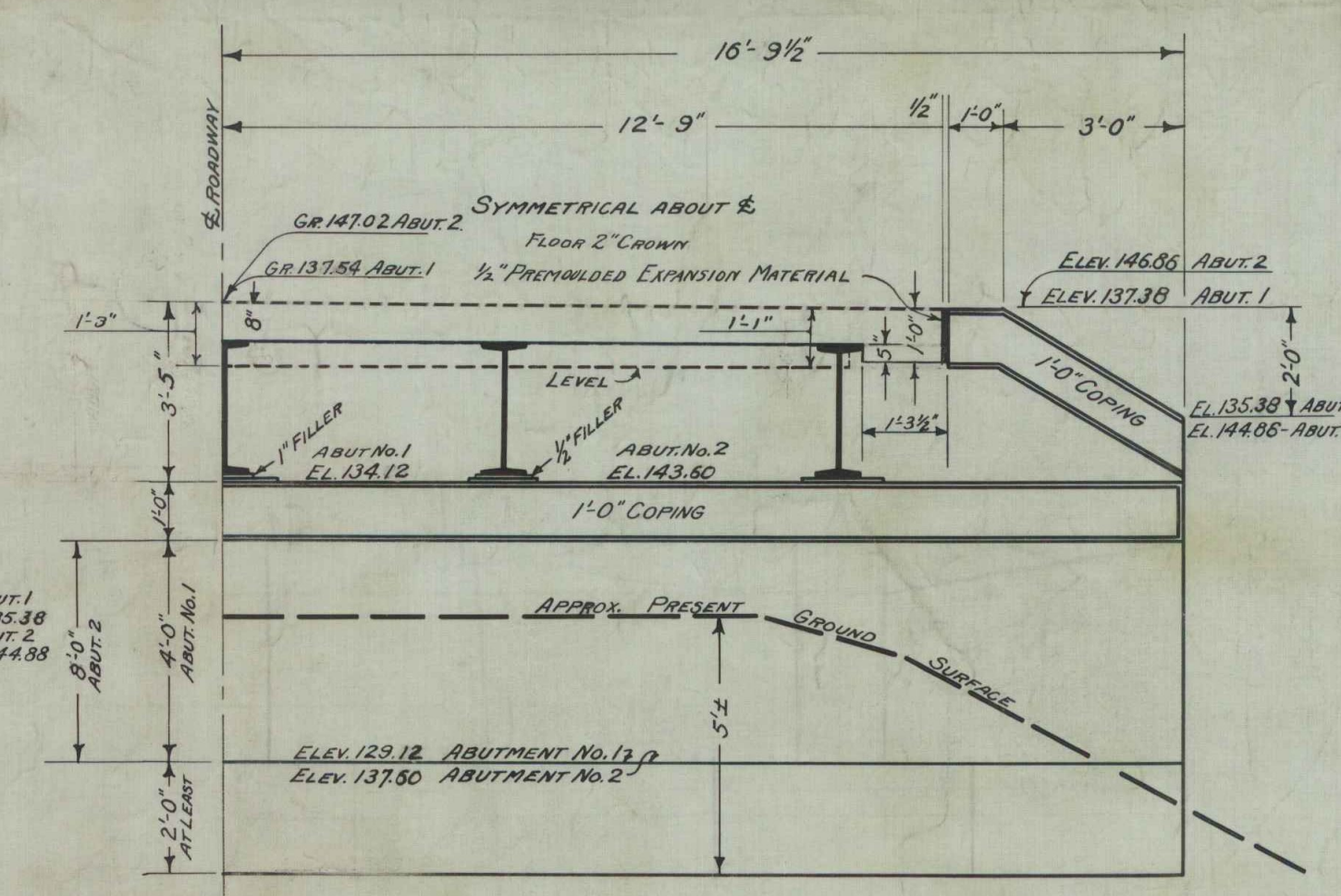
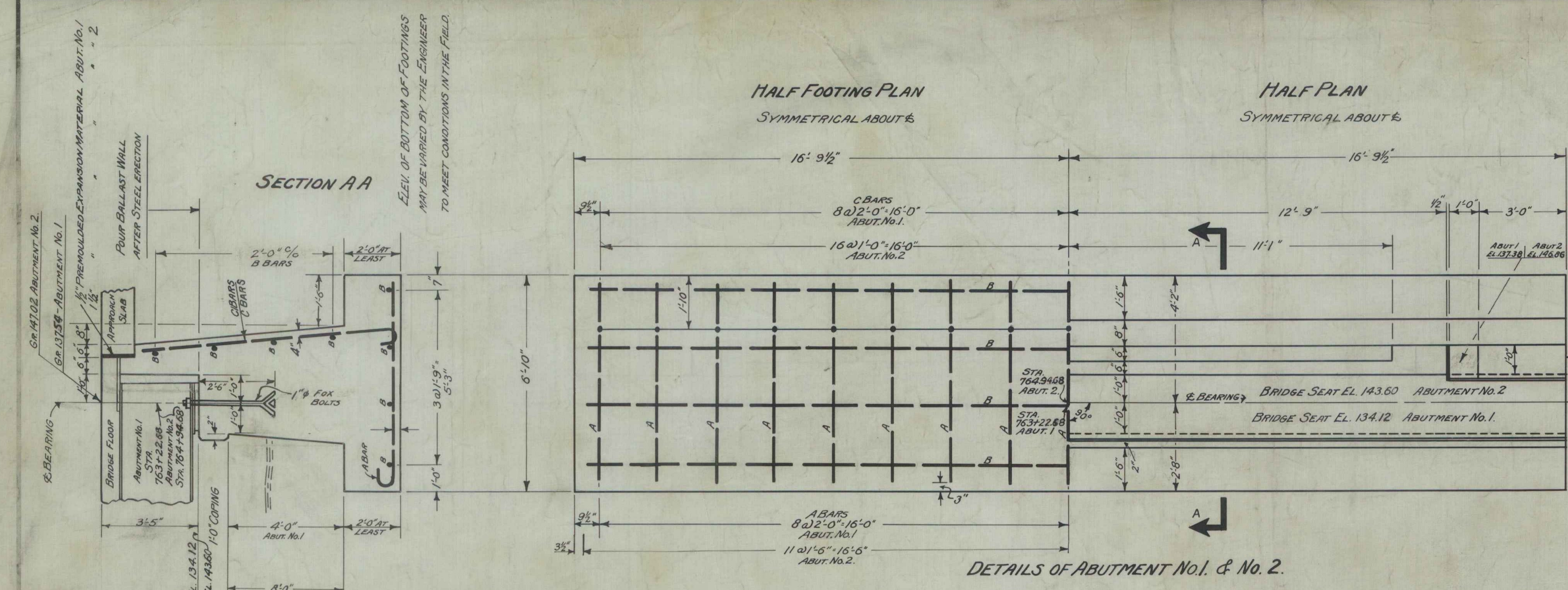
Sta. 916+00 to 927+00 - 6" Sub-base of gravel 1100 ft.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	VT	718	1924	33	104



B.M. No. 111 Spike in 20' Maple Left of Sta. 915+11 Elev 224.34
B.M. No. 112 " 18" Elm Right " 924+06 " 204.60
B.M. No. 113 Old B.M. No. 10 Spike in 30' Elm Left of Sta. 927+33 Elev 200.50

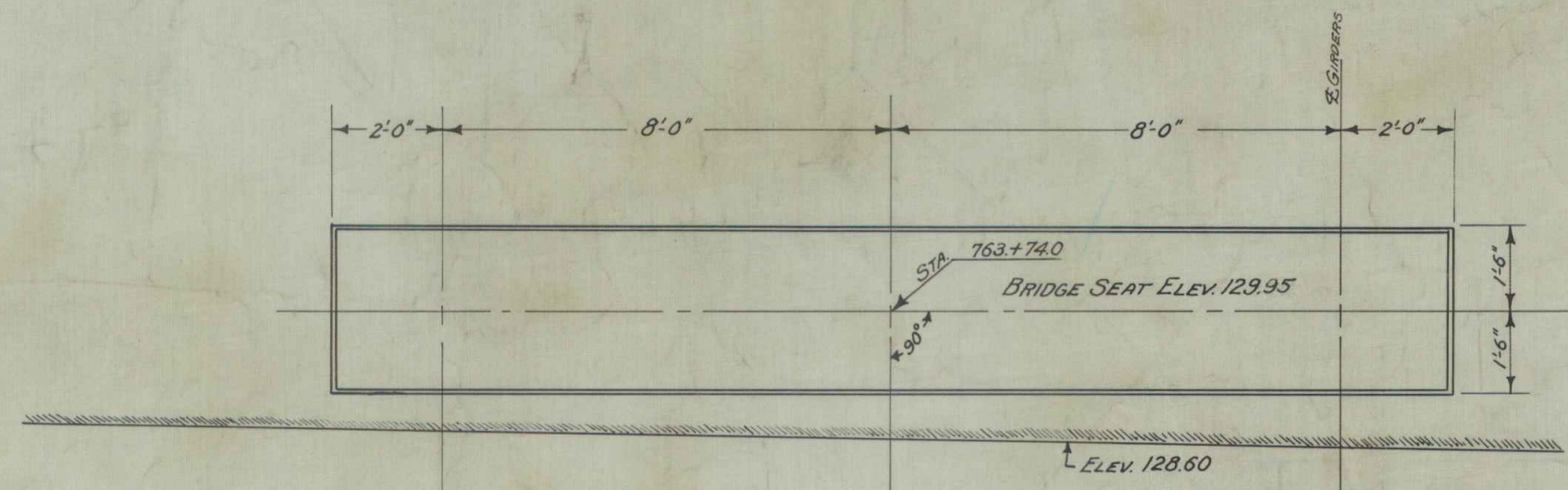
Series F No 72.8
Sheet 33 of 104



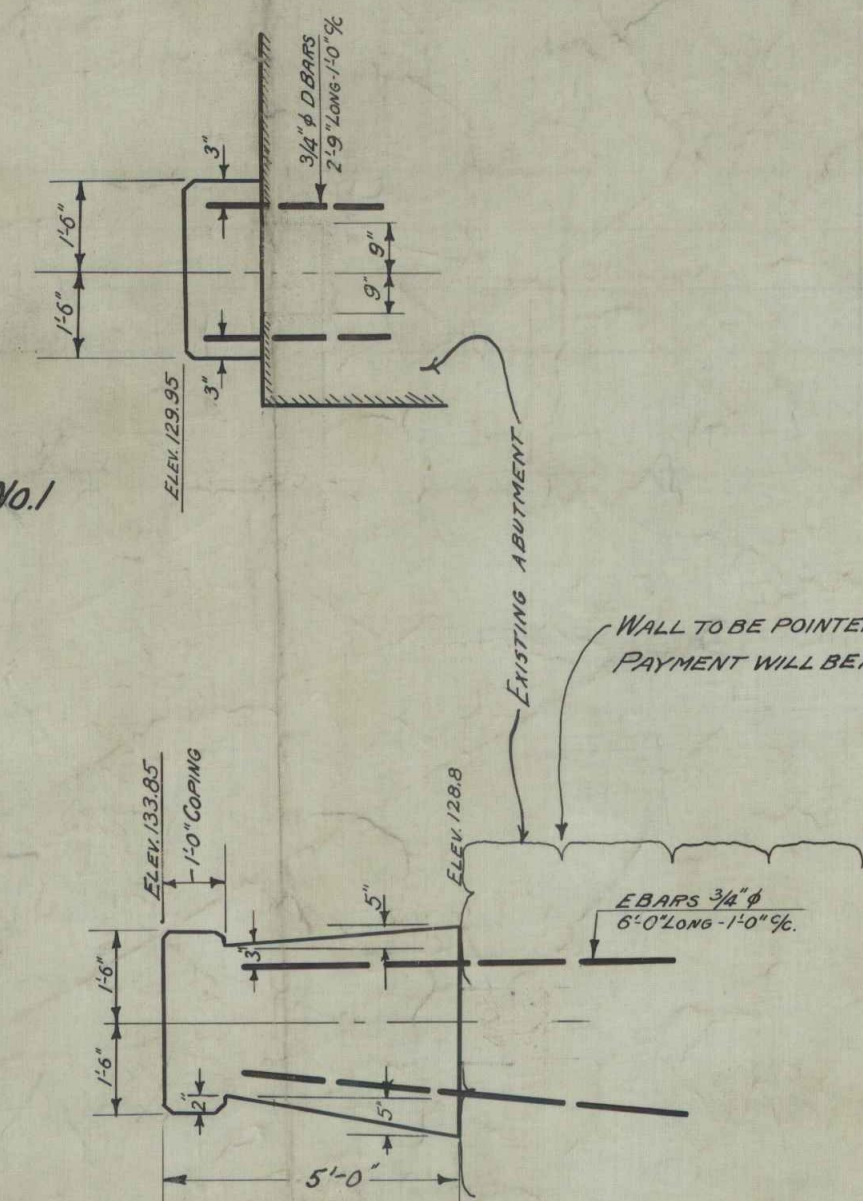
ALL STEEL TO BE DEFORMED BARS
 REINFORCING STEEL TO CONFORM TO STANDARD SPECIFICATIONS FOR BILLET STEEL CONCRETE REINFORCING BARS OF THE AMERICAN SOCIETY FOR TESTING MATERIALS, SERIAL DESIGNATION A-15-14. STRUCTURAL OR INTERMEDIATE GRADE.

ABUTMENTS NO. 1 AND NO. 2	
A BARS	3/8" ROUND TOTAL LENGTH 7'-3"
B BARS	1/2" ROUND 17'-5"
C & C1 BARS	3/4" ROUND C - ABUT. 1 TOTAL LENGTH 3'-3" C1 - " 2 " " 13'-3"
D BARS	3/4" ROUND 2'-9"
E BARS	3/4" ROUND 6'-0"

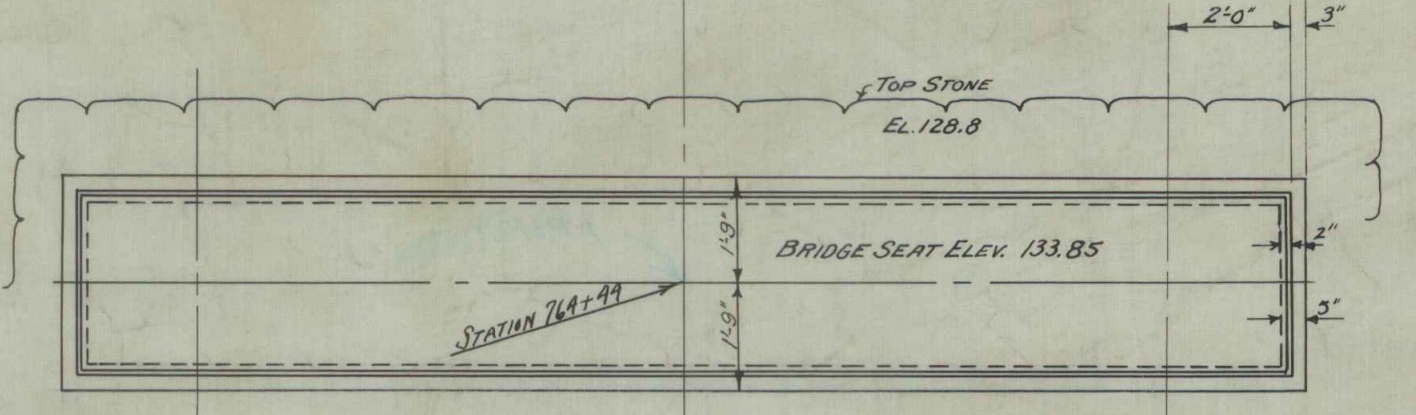
ALL CONCRETE CLASS B (1-2 1/2-5)
 ALL EXPOSED EDGES TO BE CHAMFERED. FACE OF CHAMFER 1"
 ANY SUITABLE STRUCTURE EXCAVATION USED BY THE CONTRACTOR FOR ANY PURPOSE OTHER THAN FOR BACKFILL OR APPROACH FILL SHALL BE REPLACED BY AN EQUIVALENT QUANTITY OF BORROW BY THE CONTRACTOR AT HIS OWN EXPENSE UNLESS SAME IS ORDERED WASTED BY THE ENGINEER.
 DRILLING HOLES FOR DOWELS IN EXISTING ABUTMENTS TO BE INCLUDED IN UNIT PRICE BID FOR CLASS B CONCRETE.



DETAILS OF PIER No. 1



DETAILS OF PIER No. 2



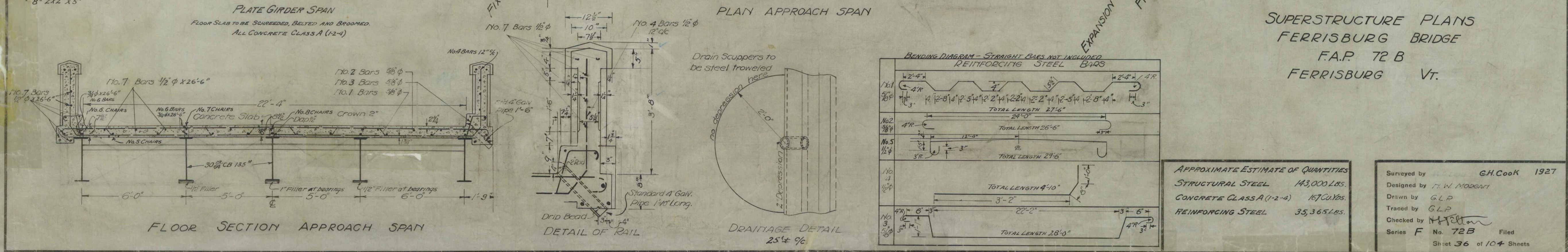
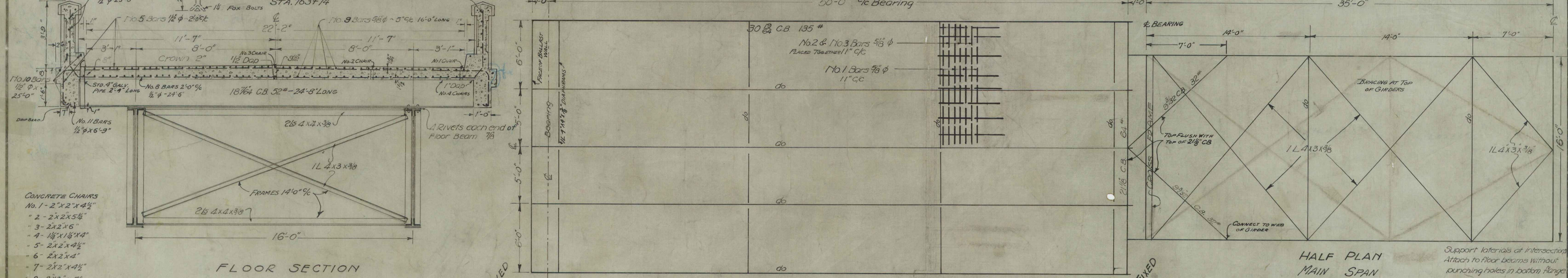
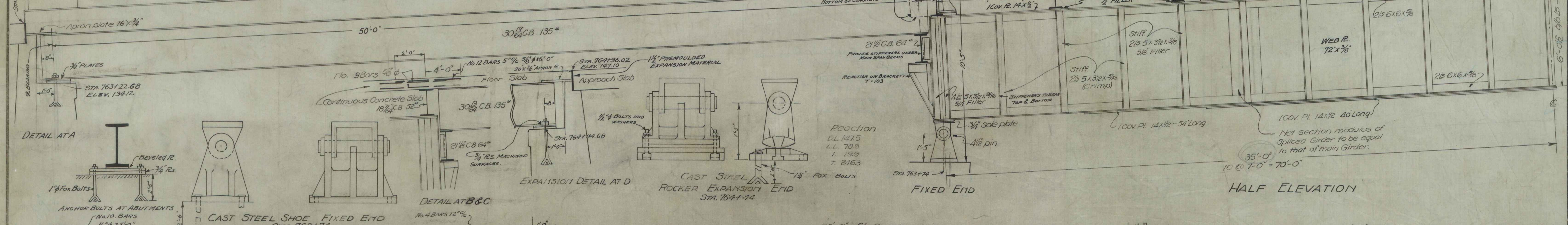
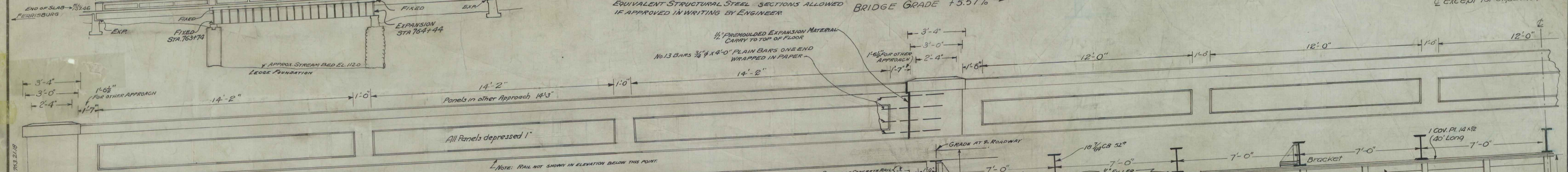
DETAILS OF PIER No. 2

SUBSTRUCTURE DETAILS BRIDGE AT STA. 764+10 F.A.P. 72B FERRISBURG. VT.

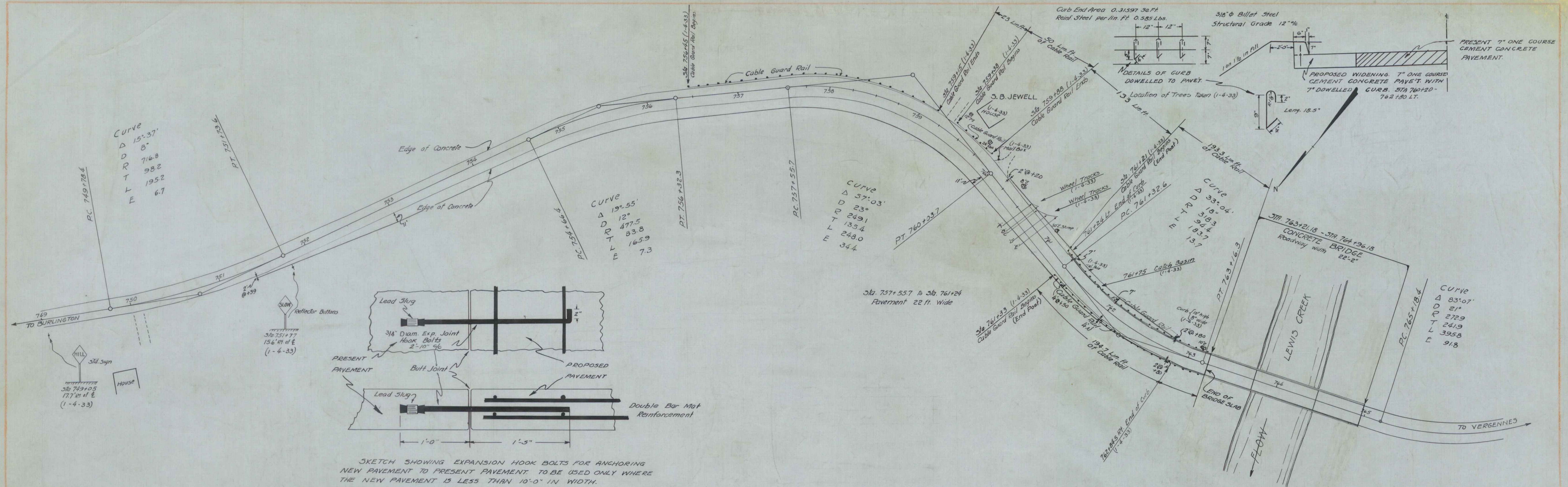
Correct
A. D. Bialof
 Bridge Engineer

APPROXIMATE ESTIMATE OF QUANTITIES	
STRUCTURE EXCAVATION	110 CU. YDS.
CONCRETE CLASS B (1-2 1/2-5)	110 CU. YDS.
REINFORCING STEEL	2275 LBS.
REPOINTING MASONRY	60 SQ. YDS.

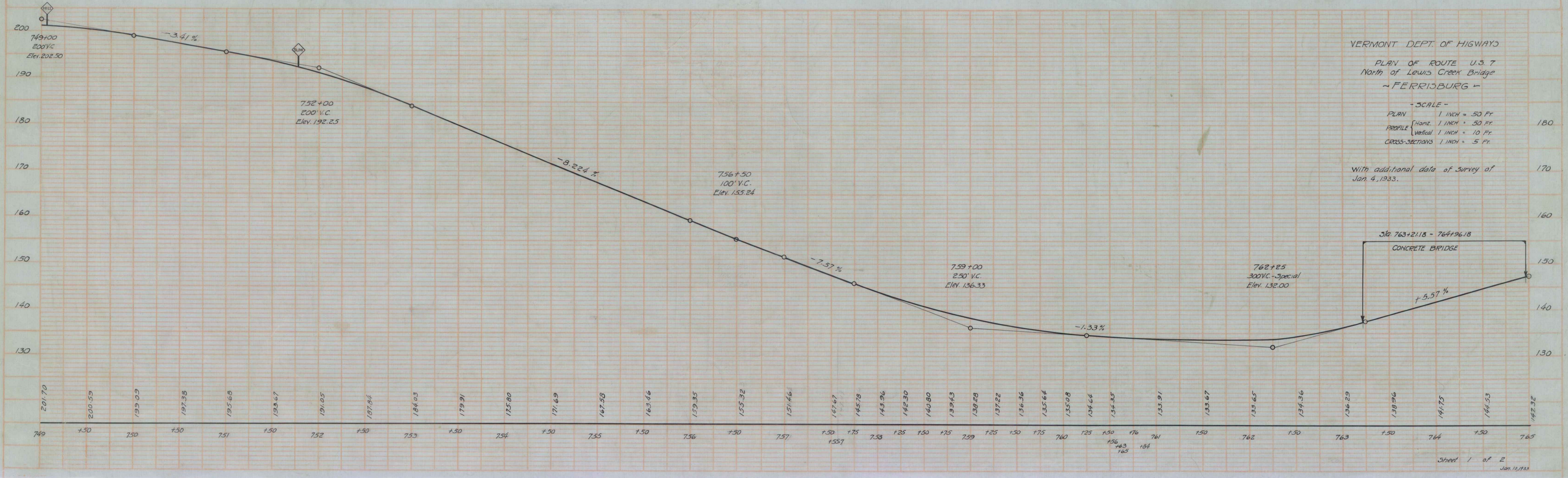
Surveyed by	G. H. Cook	1927
Designed by	H. P. Redigan	
Drawn by	H. P. Redigan	
Traced by	J. C. Brown Jr.	
Checked by	H. T. W.	
Series	F No. 72B	Filed
	Sheet 34 of 104	Sheets



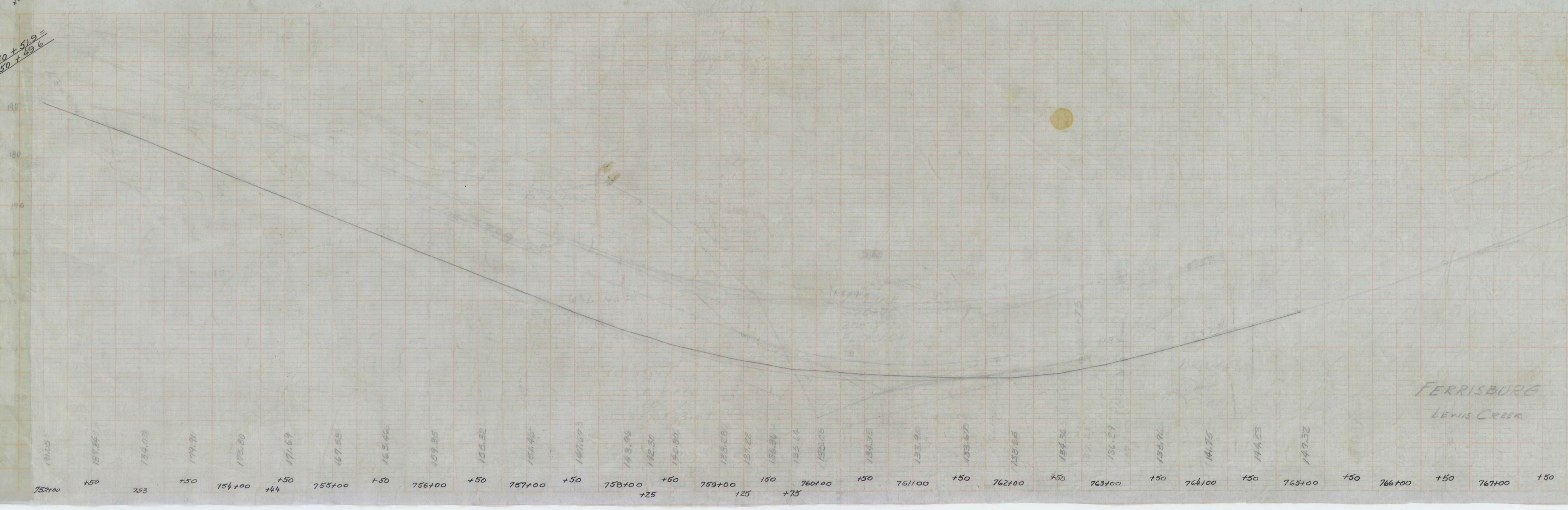
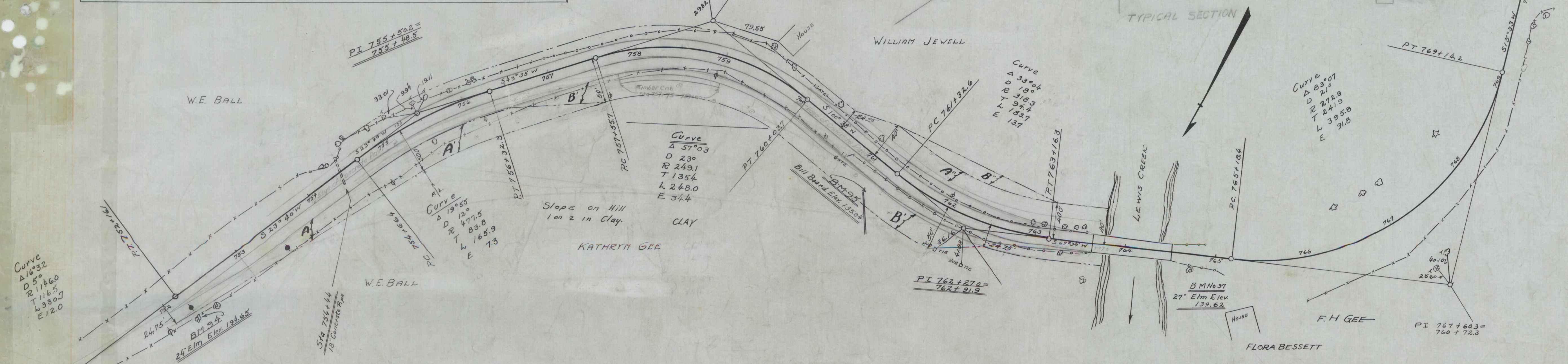
Surveyed by G.H. Cook 1927
 Designed by F.W. Mosehart
 Drawn by G.L.P.
 Traced by G.L.P.
 Checked by H. H. [Signature]
 Series F No. 72B Filed
 Sheet 36 of 104 Sheets



SKETCH SHOWING EXPANSION HOOK BOLTS FOR ANCHORING NEW PAVEMENT TO PRESENT PAVEMENT TO BE USED ONLY WHERE THE NEW PAVEMENT IS LESS THAN 10'-0" IN WIDTH.



Parcel	Kind of Instrument	Date of Instrument	Grantor	Grantee	Recorded Ferrisburg	Remarks
A	G.C.D.	11-1-35	W.E. Ball	St. of H.	30 197	11-7-35
A'	"	11-1-35	Mrs. Kathryn Gee	"	30 195	11-7-35
B'	"	10-15-35	"	"	30 192	10-7-35
A"	"	10-15-35	W. & Ruth Jewell	"	30 193	10-7-35
B	"	11-13-35	"	"	30 199	11-18-35



FERRISBURG
LEWIS CREEK

(M)

1929-35

CHARLOTTE-FER

(U.S. 7)

DONE

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