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STATE OF VERMONT
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

FEDERAL AID PROJECT

TOWNS OF HARTFORD AND SHARON Pin# 00R733

WHITE RIVER JUNCTION-BETHEL ROAD

FROM 7033' SOUTH OF THE HARTFORD-SHARON TOWN LINE NORTH 5.236 MILES

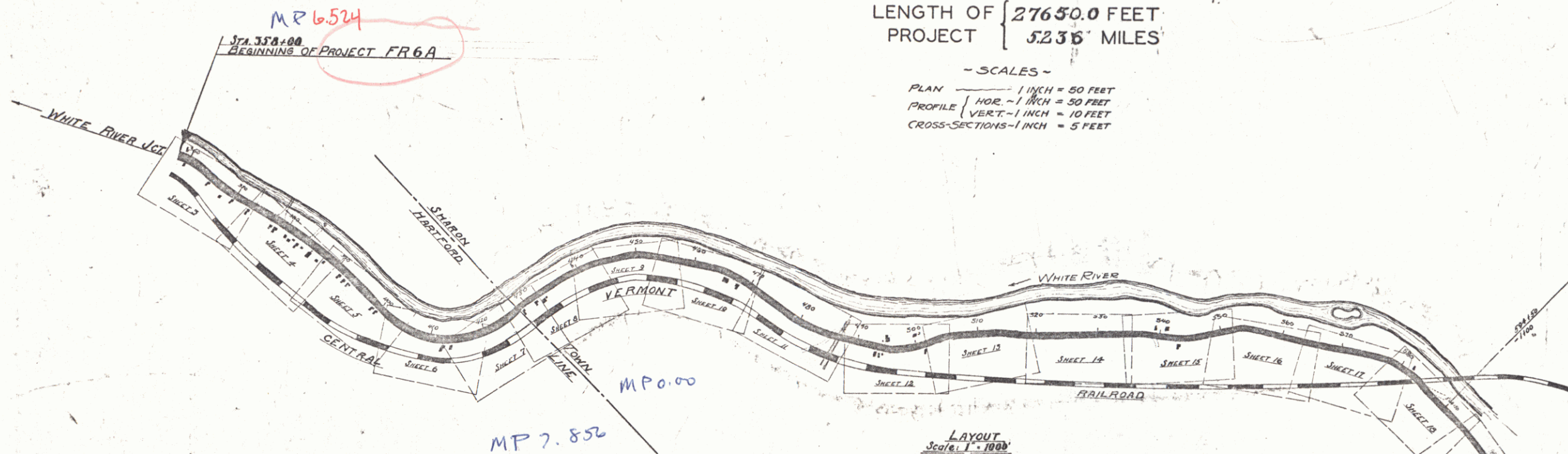
LENGTH OF 27650.0 FEET
PROJECT 5.236 MILES

~ SCALES ~

PLAN 1 INCH = 50 FEET
PROFILE HOR. 1 INCH = 50 FEET
VERT. 1 INCH = 10 FEET
CROSS-SECTIONS 1 INCH = 5 FEET



SCALE: 1" = 4 MILES



RIGHT-OF-WAY DIVISION
TOWN FILE

PERPETUAL

Town of VERMONT

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

APPROVED: JUNE 15 1928

MP 3.912
STA. 39.00
END OF PROJECT FR6A

H. E. Sargent
CHIEF ENGINEER

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD
JUNE 15 1928
J. B. Baber
COMMISSIONER OF HIGHWAYS

CONVENTIONAL SIGNS

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

GROUND ELEVATION	DATUM	LINE
GRADE ELEVATION	DATUM	LINE

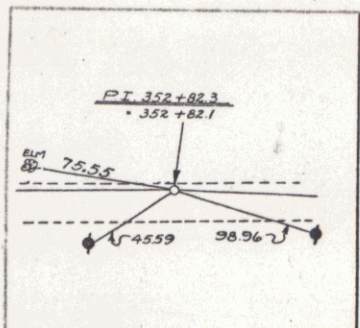
CURVE DATA

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.

RECOMMENDED
DISTRICT ENGINEER
BUREAU OF PUBLIC ROADS
RECOMMENDED FOR APPROVAL
CHIEF ENGINEER
BUREAU OF PUBLIC ROADS
APPROVED
DIRECTOR - BUREAU OF PUBLIC ROADS

SERIES No. FR6A FILED
SHEET 1 OF 79

DIST. # 4 PLANS

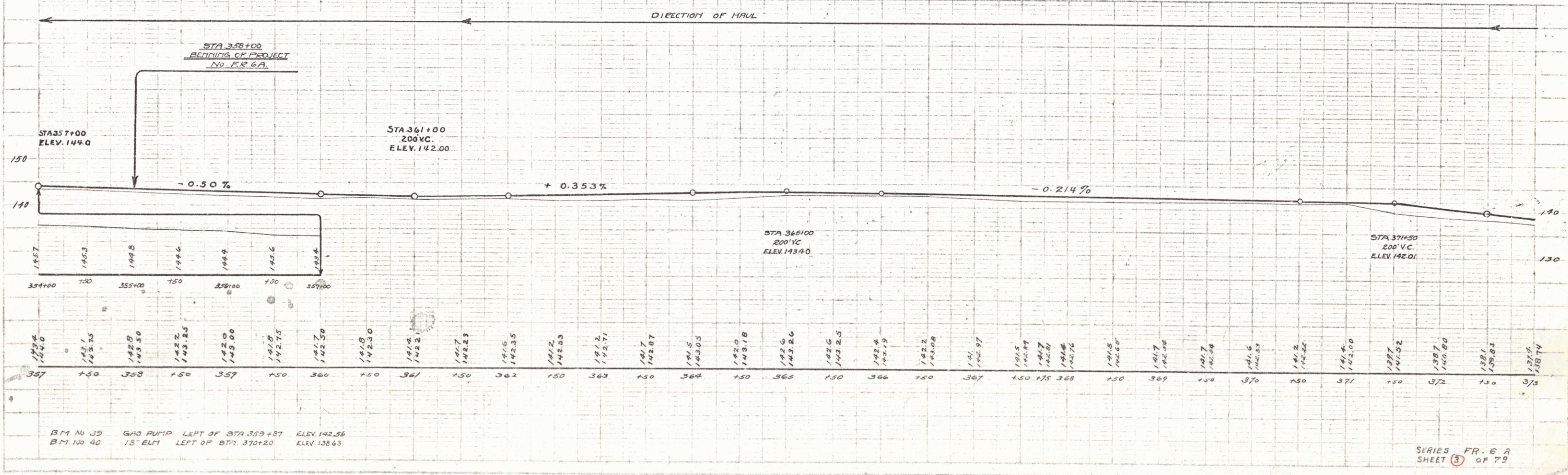
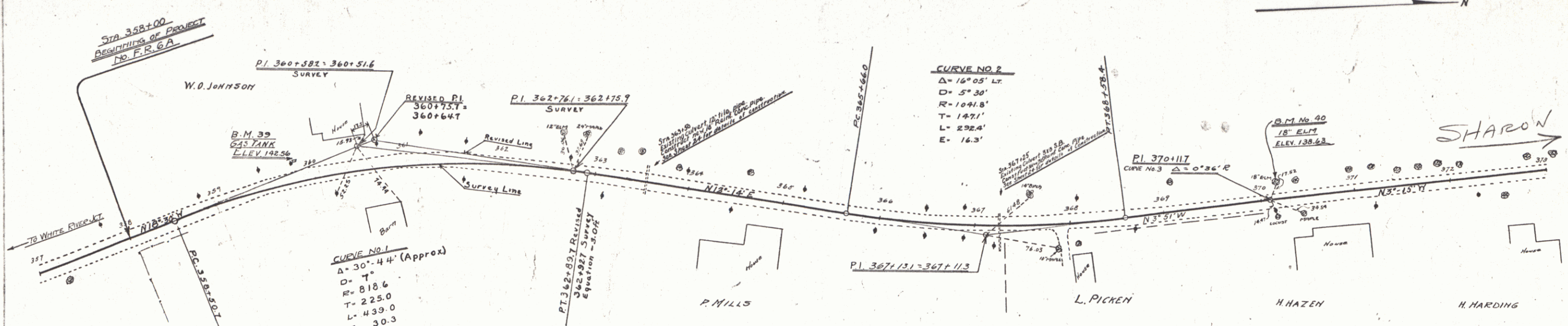


NEW CULVERTS REQUIRED
 STA 363+50 18" Reinf. Concrete Pipe Length 36'
 Conc. Class A (1-2-4) 1.9 cu yds
 Reinf. Steel 54 lbs.
 STA 367+25 30" Reinf. Concrete Pipe Length 40'
 Conc. Class A (1-2-4) 3.5 cu yds
 Reinf. Steel 50 lbs.

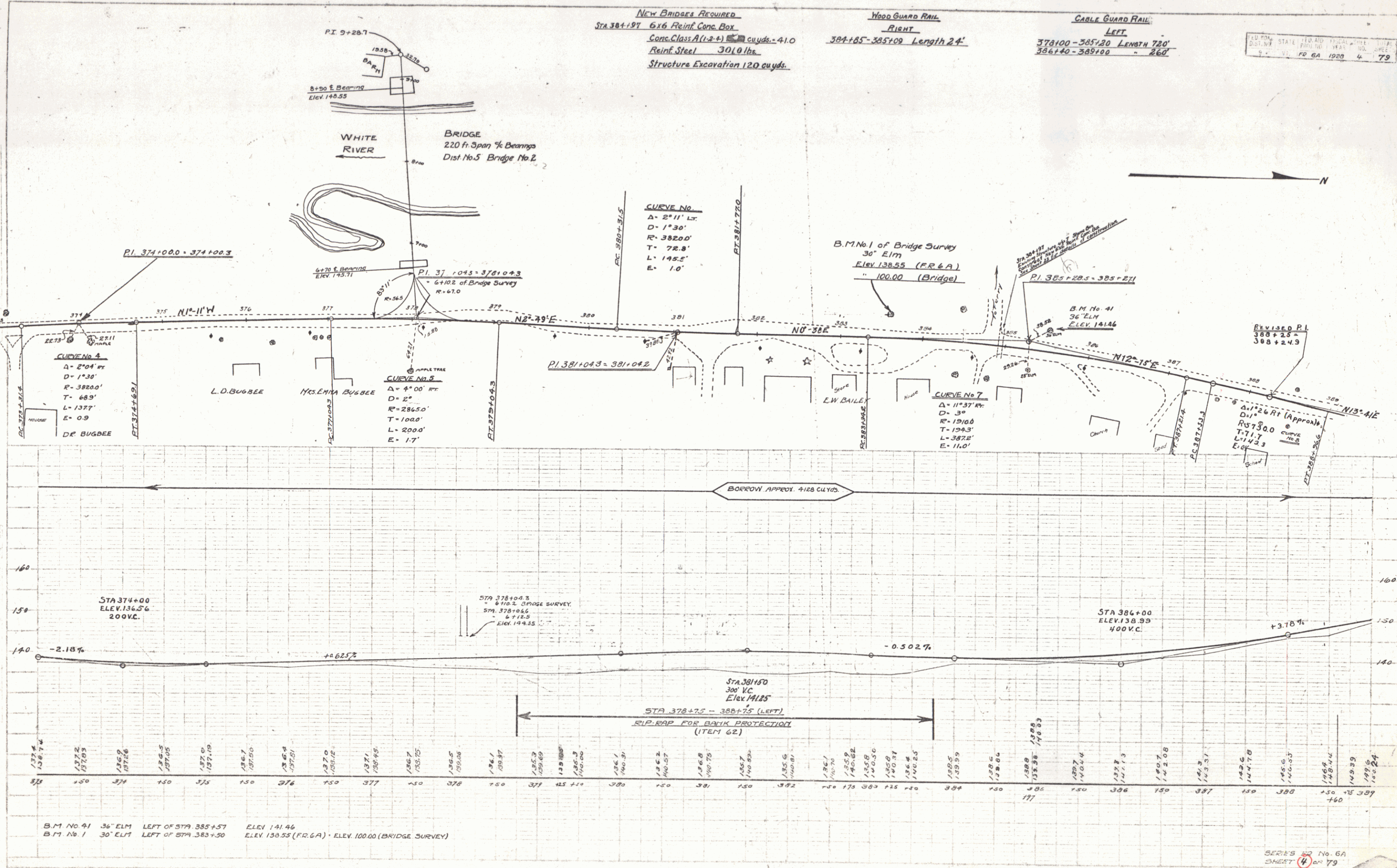
WOOD GUARD RAIL
 RIGHT
 363+38-365+62 Length 24'
 367+13-367+37 24'

CABLE GUARD RAIL
 LEFT
 363+38-372+38 Length 920'

REC. ROAD STATE ENGINEER'S OFFICE
 D. W. H. 1928 3 79



SERIES FR. E. A
 SHEET 3 OF 79



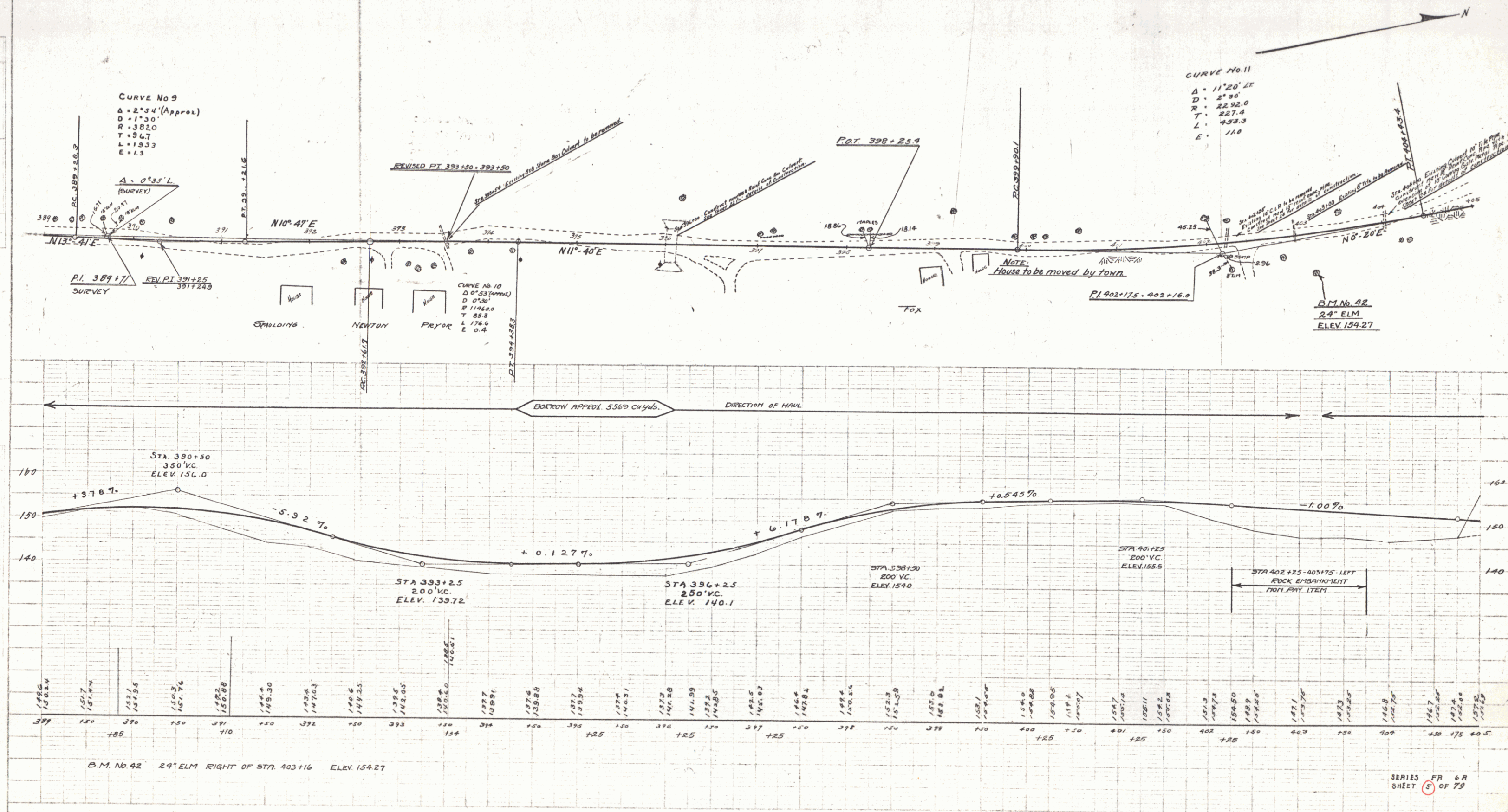
New Culverts Required
 Sta. 402+25 15' Round Conc. Length 40'
 Conc. Class B (1-2-5) 26 cu yds.
 Reinf. Steel 33 lbs.
 Sta. 404+00 18' Round Conc. Pipe Length 36'
 18" Corrug. Galv. Metal Pipe Length 18' (Extension)
 Conc. Class A (1-2-4) 10 cu yds.
 Reinf. Steel 27 lbs.

New Bridges Required
 Sta. 396+00 10AB Reinf. Conc. Box
 Conc. Class A (1-2-4) 70.0 cu yds.
 Reinf. Steel 5630 lbs.
 Struct. Excav 150 cu yds.

Wood Guard Rail
 RIGHT
 395+00-396+12 Length 24'
 403+00-404+12 " 24'
 408+13-408+37 " 24'

Cable Guard Rail
 LEFT
 389+00-393+04 Length 444'
 395+10-405+00 " 990'
 RIGHT
 393+44-394+24 " 80'

FILE NO. 9 STATE VT. DIST. NO. 1 PROJECT NO. 101111 SHEET NO. 5 OF 79 DATE 6/1/79



WOOD GUARD RAIL

LEFT

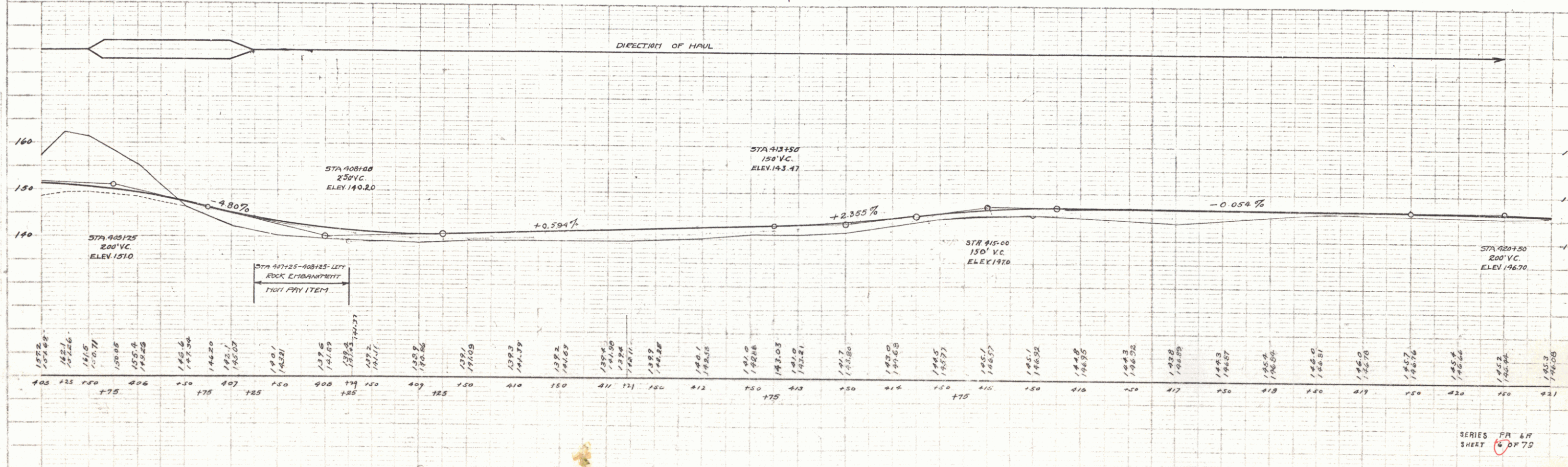
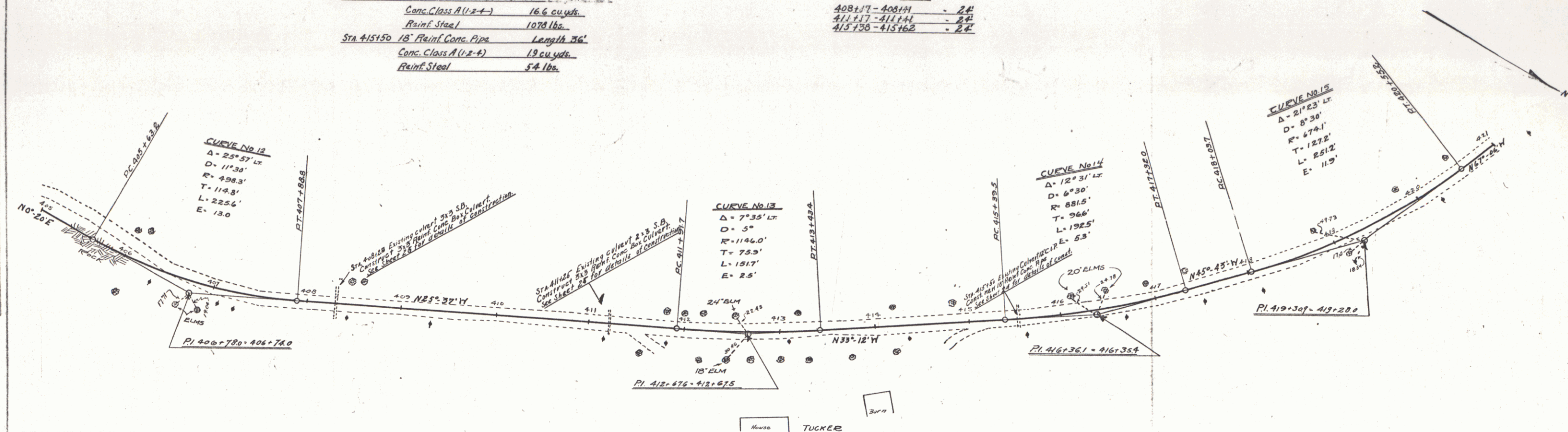
414+17-415+48	Length 34
415+38-415+62	- 24

RIGHT

408+57-408+81	- 24
411+17-411+41	- 24
415+38-415+62	- 24

CABLE GUARD RAIL
LEFT
407+31-408+75 Length 144'
417+00-420+20 - 320'

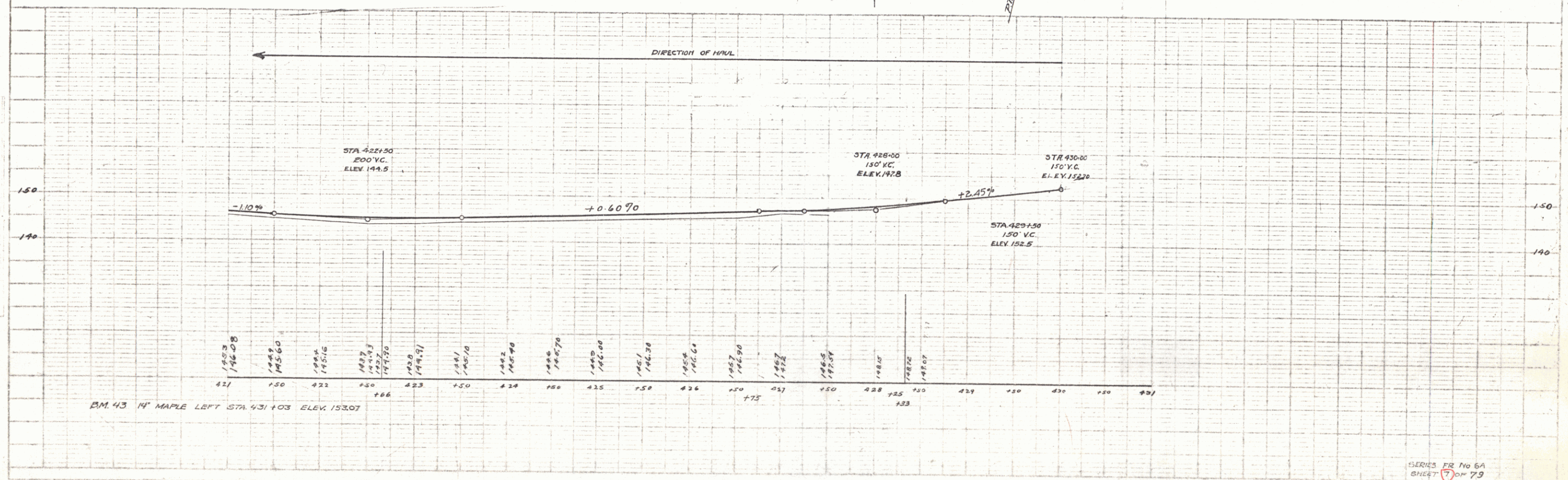
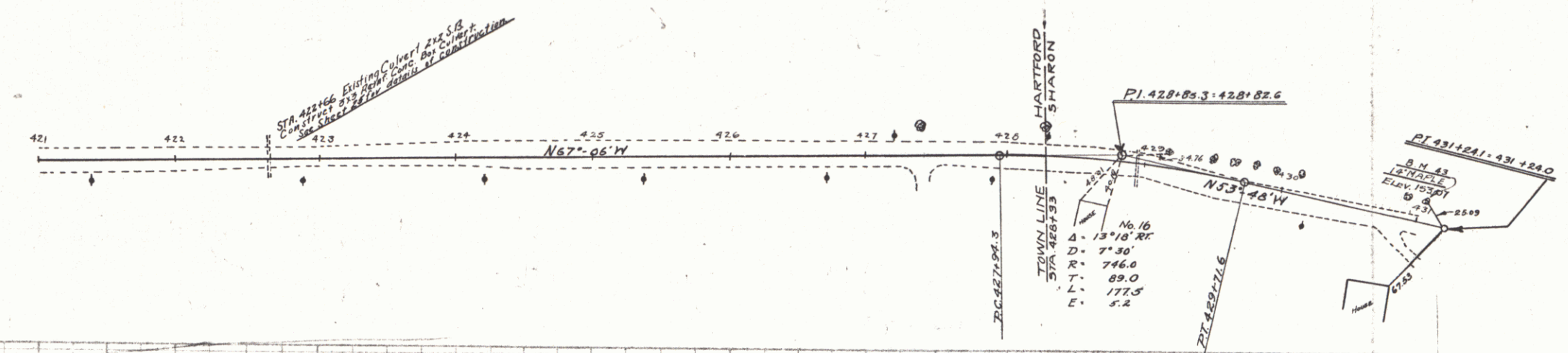
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
9	VT.	FR 6A	1928	6	79



NEW CULVERTS REQUIRED
 STA 422+66 3x3 Reinf Conc. Box Culvert
 Conc. Class A (1-2-4) 17.5 cu yds
 Reinf. Steel 1148 lbs.

WOOD GUARD RAIL
 LEFT
 422+54-422+78 Length 24'
 RIGHT
 422+54-422+78 24'

STATION	STATE	ROAD	PROJECT	SHEET	DIST.
6	VT	FR 6A	1926	7	79



STA. 430+75-434+75 Length 400'

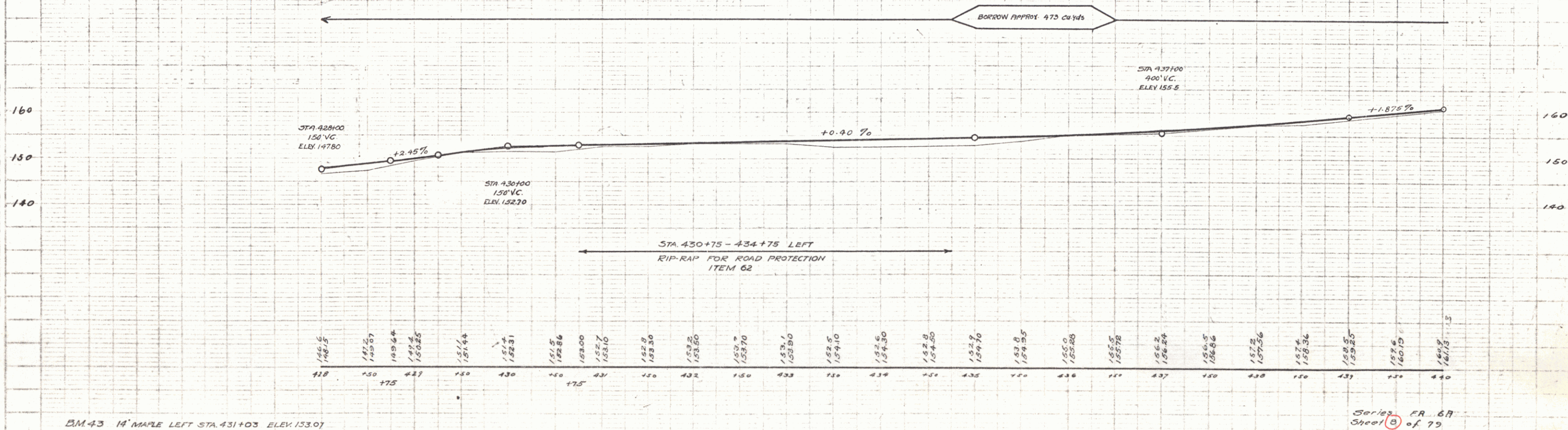
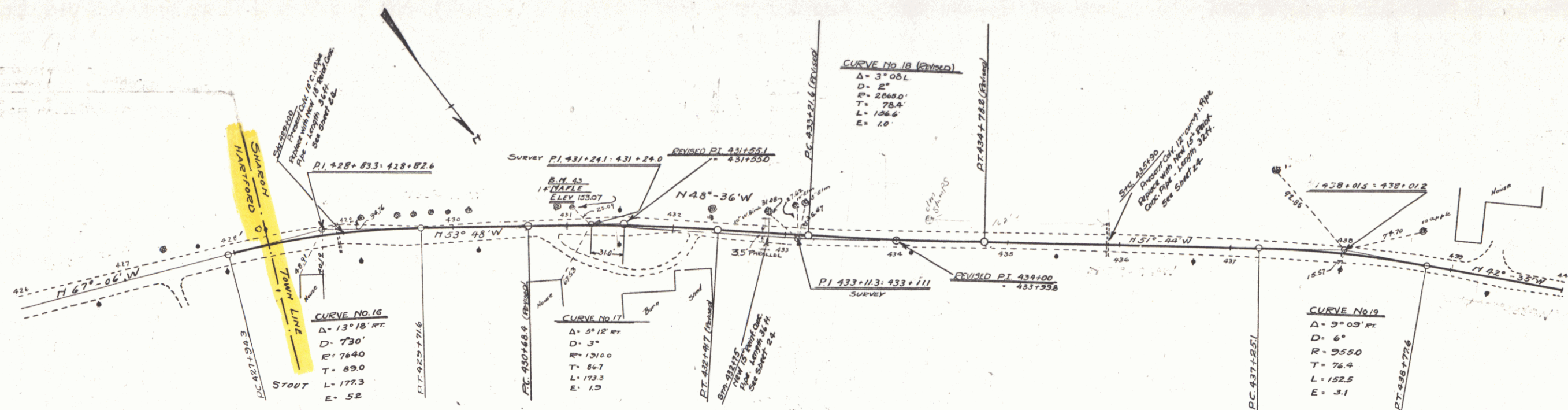
STA 428+88 to STA 429+12 24 Ft.
435+78 " " 436+02 24 Ft.

RIGHT

STA 428+88	TO STA 429+12	24 FT.
" 432+16	" " 432+87	24 FT.
" 435+90	" " 436+02	24 FT.

37A. 42940	18" Rigid Conc. Pipe Concrete Class A (1-2-4) Reinforcing Steel	Length 36 ft. 1.9 cu yds. 54 lbs.
37A. 432475	15" Rigid Conc. Pipe Concrete Class B (1-2h-3) Reinforcing Steel	Length 36 ft. 2.6 cu yds. 33 lbs.
37A. 435190	15" Rigid Conc. Pipe Concrete Class B (1-2h-3) Reinforcing Steel	Length 32 ft. 2.6 cu yds. 33 lbs.

FED. ROAD DIST. NO.	STATE	FED. AID PROGRAM	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VI.	FA 6A	1928	8	79



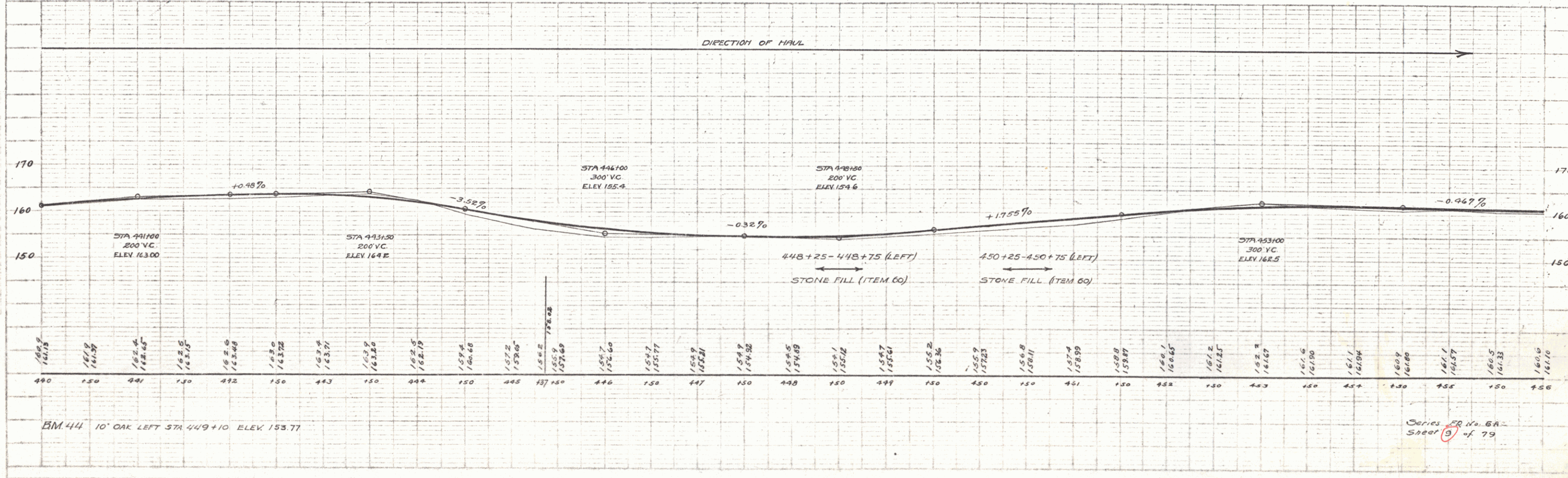
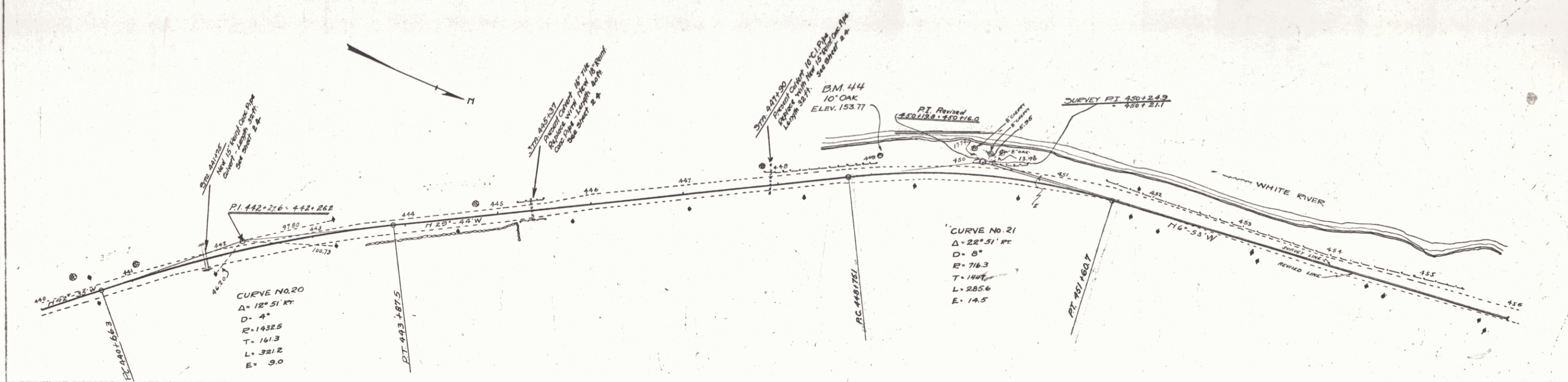
Series FR 6A
Sheet 8 of 79

PLAN
 1/2" = 100'
 1/4" = 100'

SECTION
 1/2" = 100'
 1/4" = 100'

WOOD GUARD RAIL		CABLE GUARD RAIL	
RIGHT	LEFT	RIGHT	LEFT
445+25 - 445+49 Length 24'	444+26 - 445+54 Length 128'	447+26 - 448+02 Length 76'	447+26 - 448+02 Length 76'
447+25 - 447+49 Length 24'			
447+78 - 448+02 Length 24'			
LEFT			
441+63 - 441+87 Length 24'			

NEW CULVERTS REQUIRED	
Sta. 441+75	15" Rigid Conc. Pipe Length 32 ft. (15" Rigid Conc. Pipe)
	Concrete Class B (1-24-3)
	Reinforcing Steel 33 lbs.
Sta. 445+37	18" Rigid Conc. Pipe Length 40 ft.
	Concrete Class A (1-1-4)
	Reinforcing Steel 59 lbs.
Sta. 447+90	15" Rigid Conc. Pipe Length 32 ft.
	Concrete Class B (1-24-3)
	Reinforcing Steel 33 lbs.



Series 22 No. 6A
 Sheet 79 of 79

WOOD GUARD RAIL

RIGHT

459+38 - 459+62	Length 24'
458+03 - 458+27	" 24'
459+88 - 460+12	" 24'
462+18 - 462+42	" 24'

CABLE GUARD RAIL

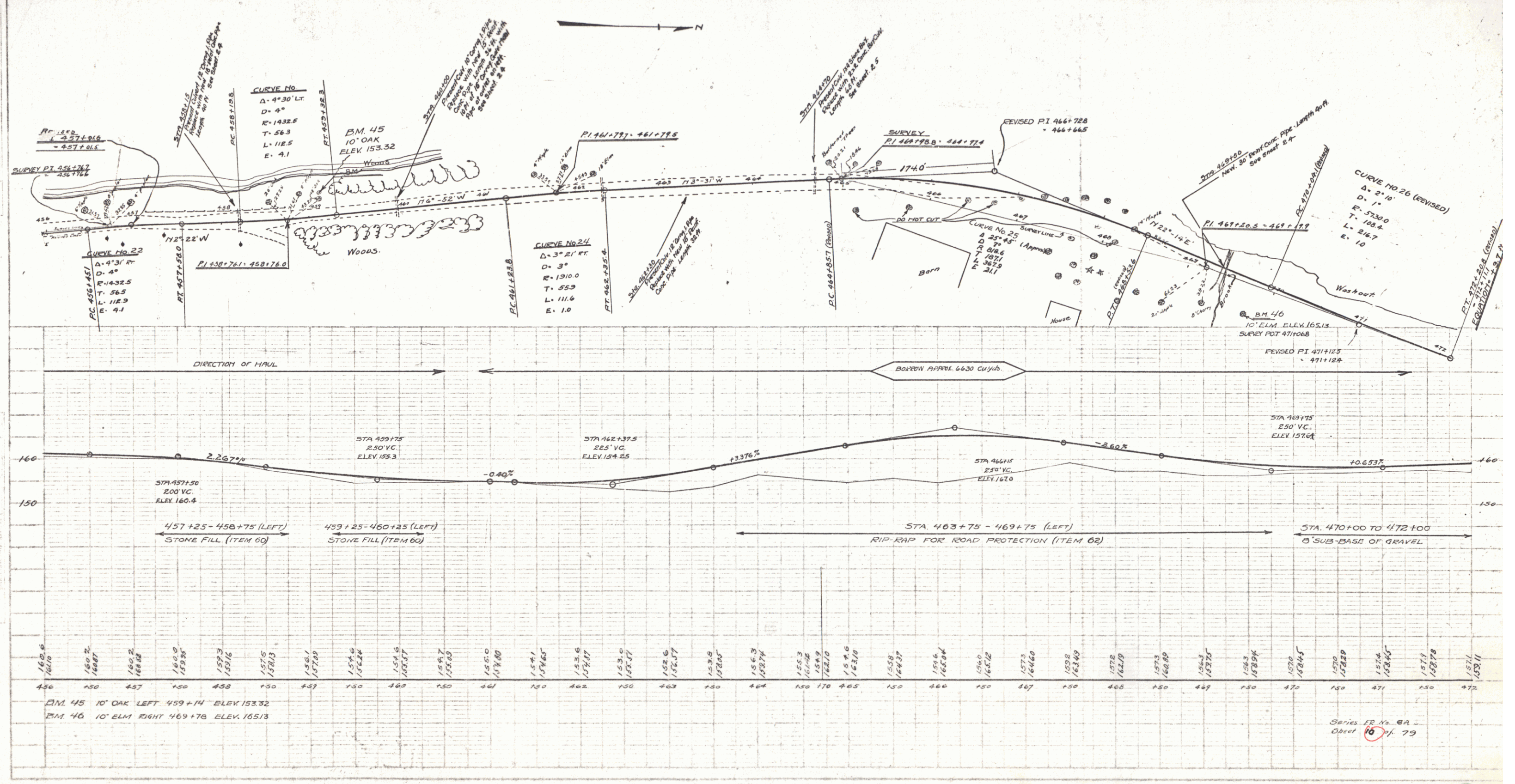
LEFT

456+00 - 470+00	Length 1400'
RIGHT	
464+52 - 464+90	" 38'

VIEW CULVERTS REQUIRED

Sta 458+15	18" Reinforced Concrete Class A (1-2-4)	Length 40 ft.	18 Cu Yds.
	Reinforcing Steel		54 lbs.
Sta 460+00	15" Reinforced Concrete Class B (1-2-4-5)	Length 36 ft.	15 Cu Yds.
	Reinforcing Steel		17 lbs.
Sta 462+30	18" Reinforced Concrete Class A (1-2-4)	Length 32 ft.	18 Cu Yds.
	Reinforcing Steel		54 lbs.
Sta 464+70	24" Reinforced Concrete Class A (1-2-4)	Length 19.6 Cu Yds.	1298 lbs.
	Reinforcing Steel		40 lbs.
Sta 469+50	36" Reinforced Concrete Class A (1-2-4)	Length 3.8 Cu Yds.	58 lbs.
	Reinforcing Steel		

DIST. NO.	STATE	FILED NO.	YEAR	SHEET NO.	TOTAL SHEETS
8	VT.	FR 64	1928	10	79



Series 12 No. 6A
Sheet 10 of 79

910

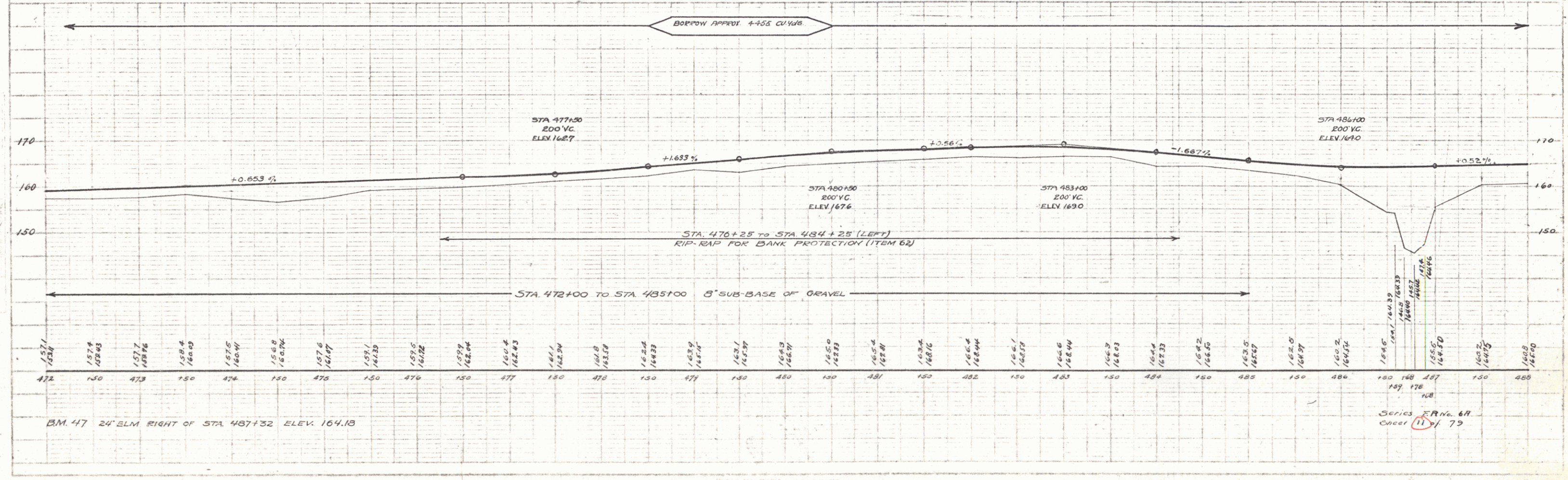
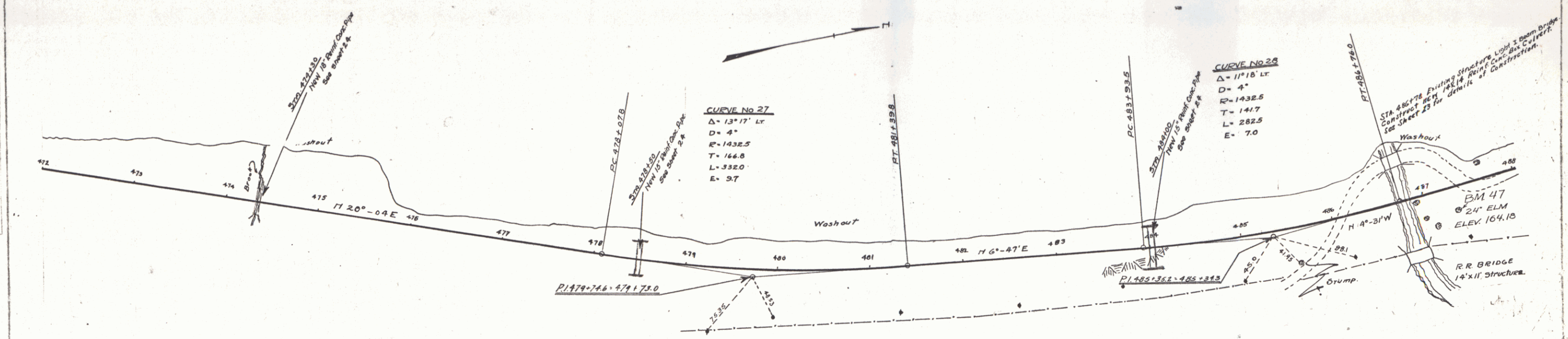
WOOD GUARD RAIL
RIGHT
 476+38-478+62 Length 224'
 483+88-484+12 " 24'
 474+18-474+42 Length 24'
LEFT
 474+18-474+42 Length 24'

CABLE GUARD RAIL
LEFT
 476+56-485+50 Length 894'
 486+24-488+00 " 176'
RIGHT
 486+00-487+44 Length 144'

NEW BRIDGES REQUIRED
 STA 486+78 18" RAIL CONC. R.C. CULV.
 CONC. CLASS A (1-2-4) 190.0 cu yds.
 REINF. STEEL 190.0 cu yds.
 STRUCTURE EXCAV. 50.0 cu yds.

NEW CULVERTS REQUIRED
 STA 474+30 18" RAIL CONC. PIPE Length 32 ft
 CONC. CLASS A (1-2-4) 1.9 cu yds.
 REINF. STEEL 54 lbs.
 STA 478+50 15" RAIL CONC. PIPE Length 32 ft
 CONC. CLASS B (1-2-3) 2.4 cu yds.
 REINF. STEEL 33 lbs.
 STA 484+00 15" RAIL CONC. PIPE Length 36 ft
 CONC. CLASS B (1-2-3) 2.6 cu yds.
 REINF. STEEL 33 lbs.

FILE NO. 11
 SHEET NO. 79
 DATE 1928



B.M. 47 24' ELM RIGHT OF STA 487+32 ELEV. 164.13

Series F.R.N. 6A
 Check 11/79

PLAN
A.D. WOOD
E. PLANNING
SHEET
NO. 12
PR 6A 1926 1A 79

PLAN
A.D. WOOD
E. PLANNING
SHEET
NO. 12
PR 6A 1926 1A 79

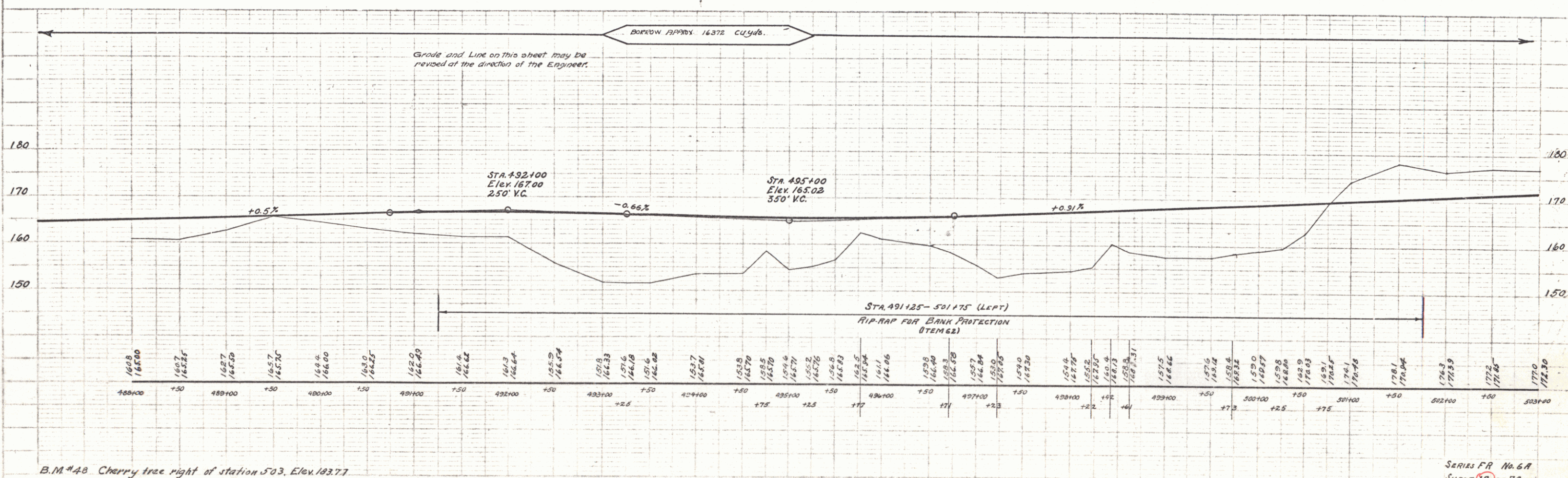
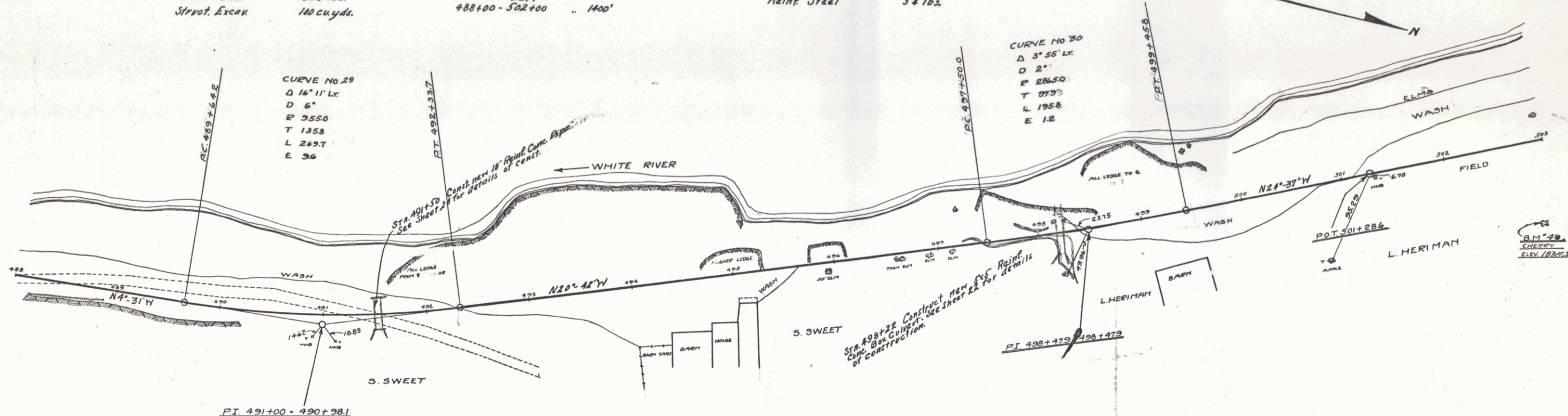
NEW BRIDGES REQUIRED
STA. 498+22 5x5 Reinf. Conc. Box Culvert
Conc. Class A (1-2-4) 45 cu. yds.
Reinf. Steel 3350 lbs.
Strut. Exca. 140 cu. yds.

CABLE GUARD RAIL
RIGHT
491+40-495+40 Length 400'
497+30-499+78 248'
LEFT
488+00-502+00 1400'

NEW CULVERTS REQUIRED
491+50 18" Reinf. Conc. Pipe Length 48'
Conc. Class A (1-2-4) 1.9 cu. yds.
Reinf. Steel 54 lbs.

CURVE NO. 29
D 16" 11' LT.
D 6"
R 3550
T 1353
L 2497
E 96

CURVE NO. 30
D 3" 55' LT.
D 2"
R 2850
T 973
L 1958
E 12



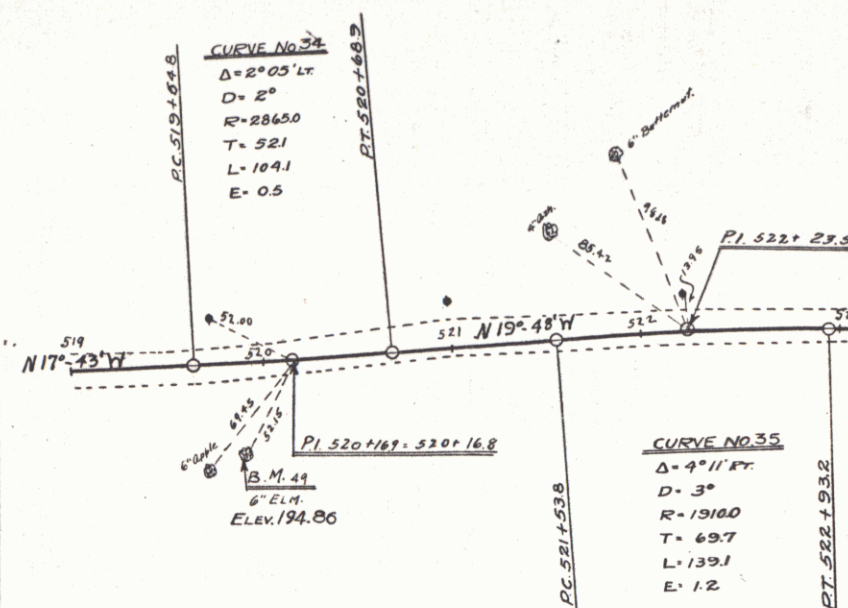
SERIES PR No. 6A
SHEET 12 OF 79

112

CRASH GUARD RAIL
LEFT
519+00-519+44 Length 44'

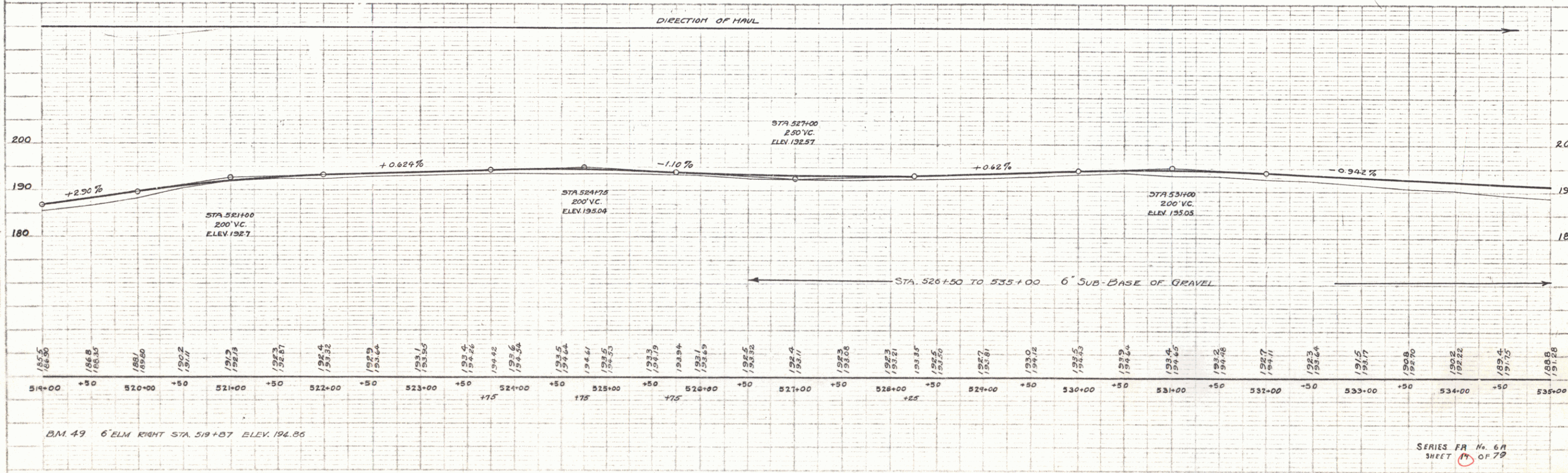
FED. ROAD DIST. NO. 9 STATE PA COUNTY YORK LOCAL SHEET NO. 14 TOTAL SHEETS 79

PLAN
SCALE 1" = 40'
DATE 10/1/28
BY J. H. GARDNER
CHECKED BY J. H. GARDNER
APPROVED BY J. H. GARDNER



NOTE: (At 523+)

The grade may be lowered thru this section so that only a shaping course of gravel will be added to the existing gravel surface, if ordered by Engineer.



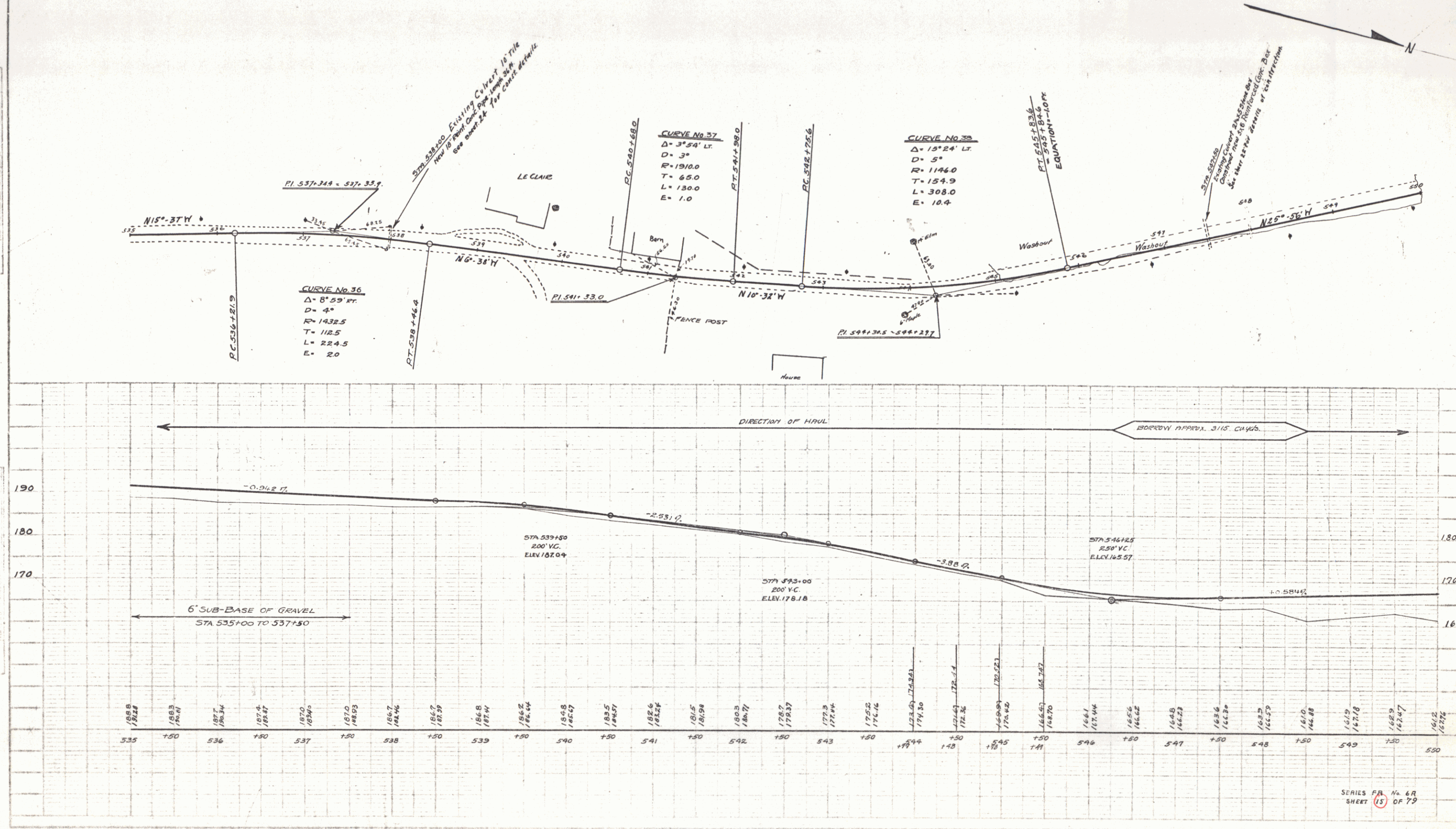
WOOD GUARD RAIL
LEFT
537+00-538+12 Length 24'
RIGHT
537+00-538+12 " 24'
537+35-547+62 " 24'

CABLE GUARD RAIL
LEFT
541+76-547+24 Length 48'
RIGHT
541+76-547+24 " 48'

NEW BRIDGES REQUIRED
STA 547+50 5'x6' Rein. Conc. Box Length 33 ft
Concrete Class A (12-4)
Reinforcing Steel 2840 Lbs
Structural Excavation 120 Cu Yds

NEW CULVERTS REQUIRED
Sta 538+00 18" Rein. Conc. Pipe Length 36 ft
Concrete Class A (12-4)
Reinforcing Steel 594 Lbs

FED. ROAD DIST. NO. 15 STATE 15A PROJECT NO. 15A-15A-15A-15A SHEET NO. 15 OF 72

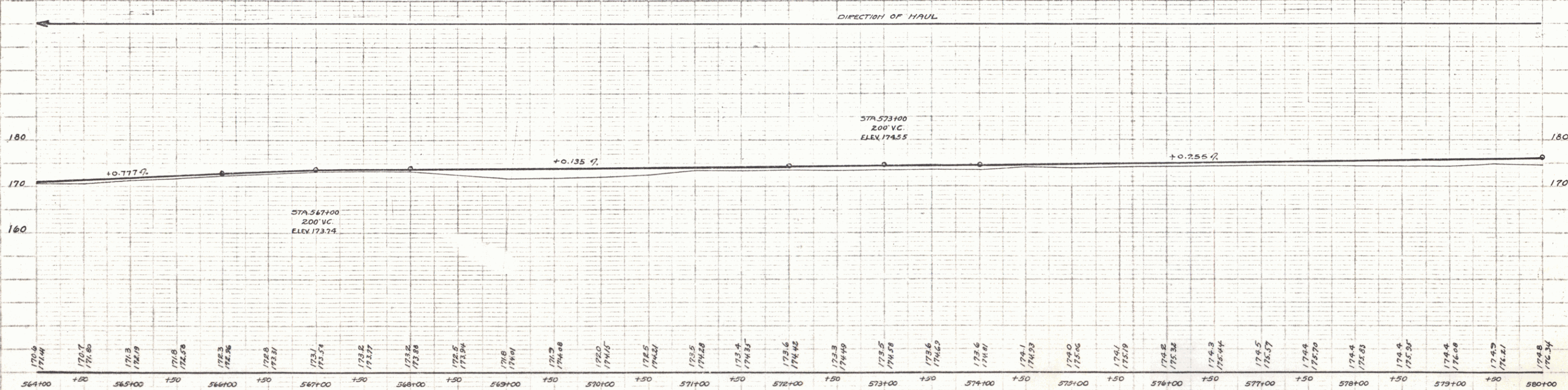
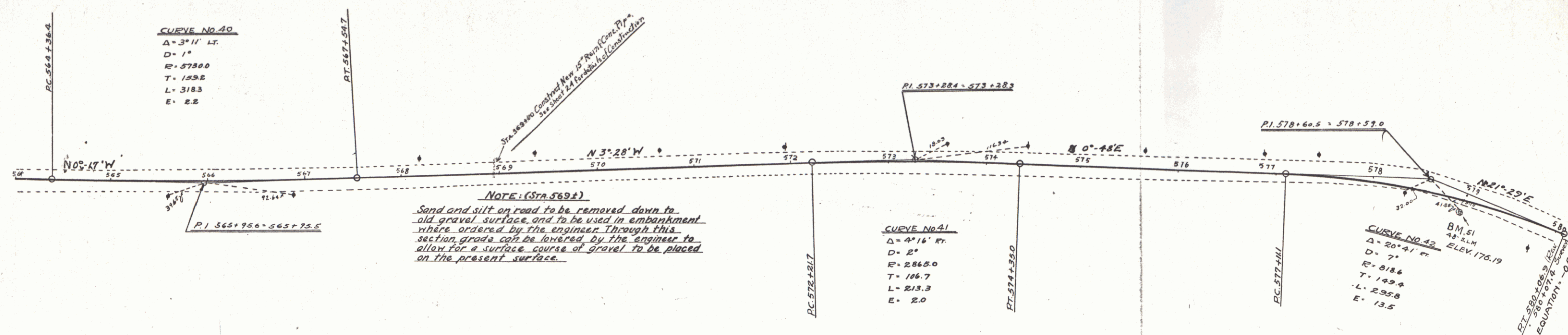


SERIES FA No. 6A
SHEET 15 OF 72

Wood Guard Rail Required
On Right 560+00 to 569+12 Length 24'
On Left 560+00 to 569+12 Length 24'

NEW CULVERTS REQUIRED
Sta 569+00 15' Reinf Conc. Pipe Length 32'
Conc. Class B (1-24-5) 2.6 cu yds
Reinf. Steel 33 lbs

PROJECT NO. 6A
SHEET 17 OF 79
DATE 10/1/77



BM 51 45' ELM RIGHT STA. 578+96 ELEV 176.19

SERIES 6A No. 6A
SHEET 17 OF 79

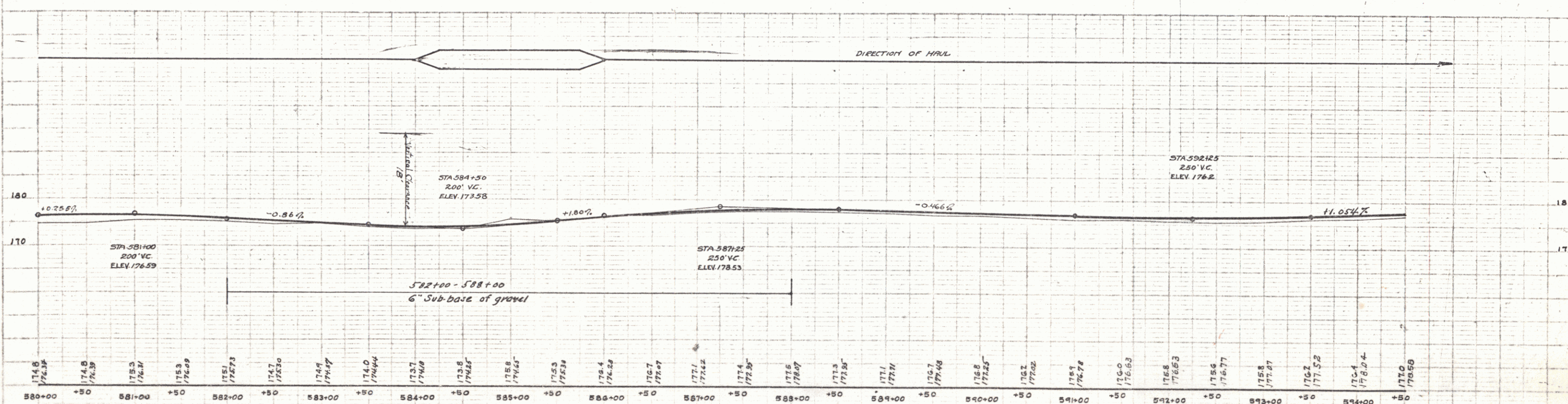
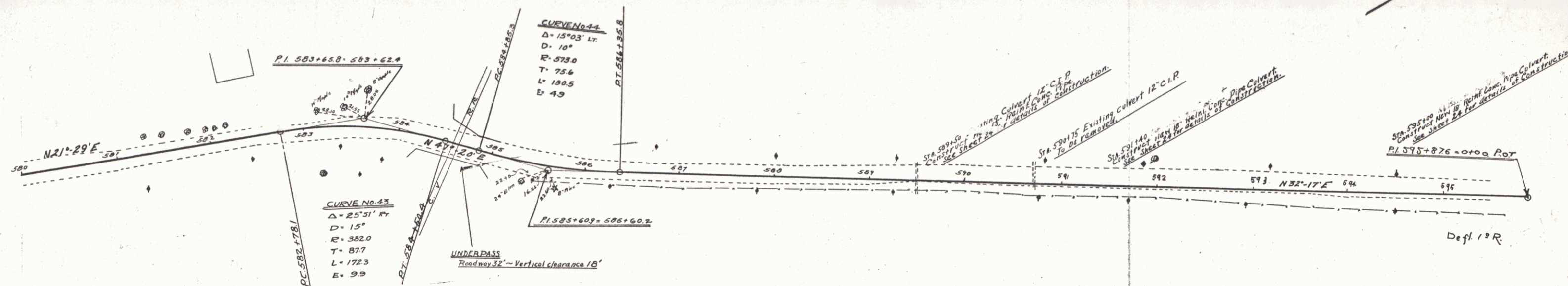
16

Note: (At 584+)
This section to be re-cross-sectioned during staking out and line to be revised to conform to new abutments of railroad underpass, which are now being built.

NEW CULVERTS REQUIRED
Sta. 589+50 15" Reinf. Conc. Pipe Length 38'
Conc. Class B(1-2-5) 2.6 cu yds.
Reinf. Steel 33 lbs.
Sta. 591+00 18" Reinf. Conc. Pipe Length 38'
Conc. Class B(1-2-4) 1.9 cu yds.
Reinf. Steel 34 lbs.
Sta. 592+00 18" Reinf. Conc. Pipe Length 38'
Conc. Class B(1-2-4) 1.9 cu yds.
Reinf. Steel 34 lbs.

WOOD GUARD RAIL
LEFT
589+30-589+62 Length 24'
RIGHT
589+38-589+62 " 24'
591+28-591+52 " 24'
594+88-595+12 " 24'
LEFT
591+28-591+52 " 24'
594+88-595+12 " 24'

ROAD STATE DIST. AND PROJECT SHEET TOTAL
SHEET NO. 16 OF 79
FR 6A 1028 10 79



SERIES FR 6A
SHEET 16 OF 79

17

ON LEFT

STA. 0+00 to STA. 13+00 - length 1300 ft.

ON RIGHT

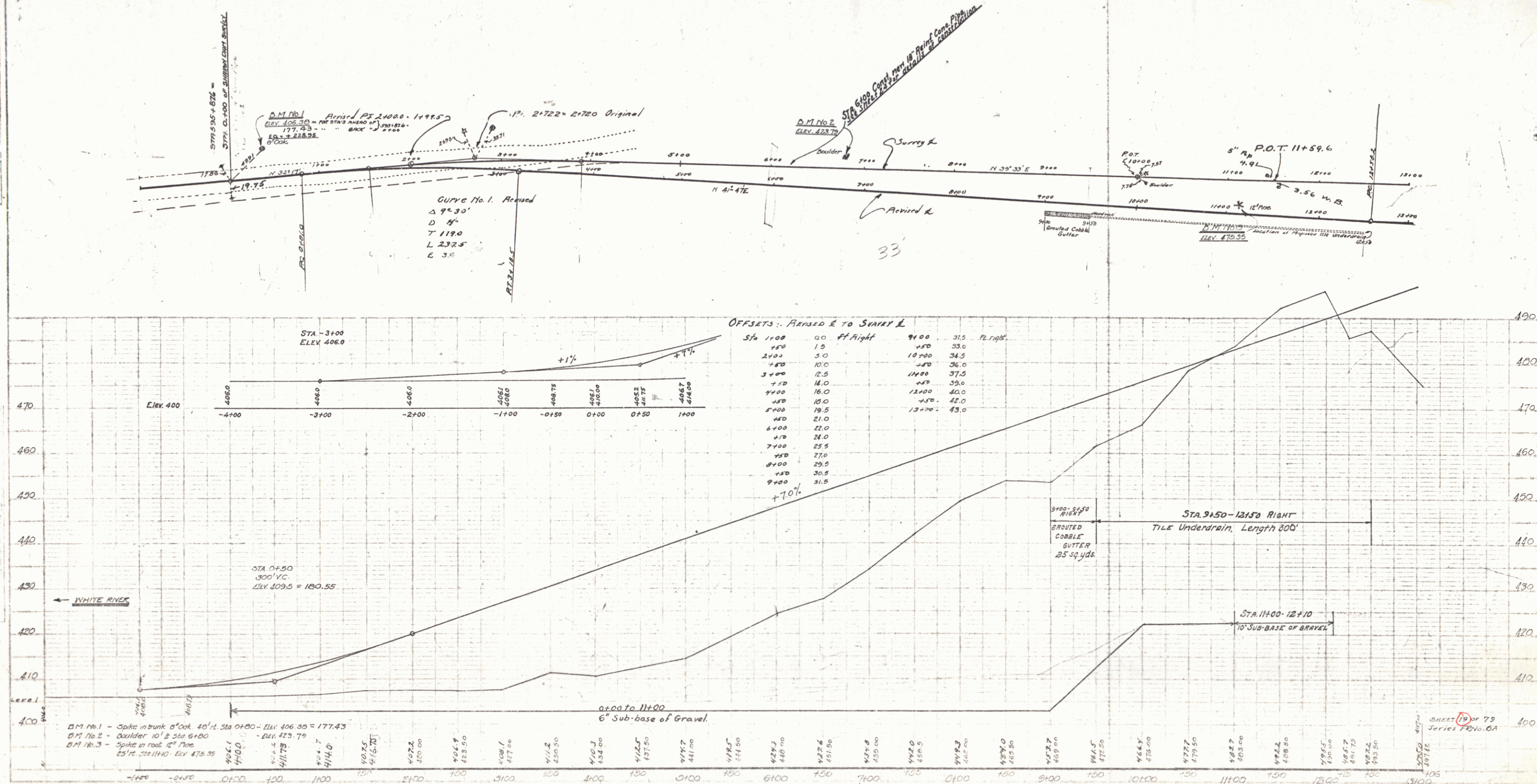
STA. 0+00 to STA. 7+76 - length 776 ft.
" 12+40 " " 13+00 " 52 "

TOTAL FOR SHEET 2128 ft.

NEW CULVERTS REQUIRED

<u>STA 6+00</u>	<u>18" Reinf Concrete Pipe Length 96'</u>
	<u>Concrete Class A (1-2-4) 19 cu yds.</u>
	<u>Reinf Steel 54 lbs.</u>

Headwall at outlet of tile underdrain
Concrete Class B (1-2½" x 5") 0.9 cu.yds.



NEW CULVERTS REQUIRED

STA 13+50 - 48" Rein. Conc. Pipe - 12.0' with
CONCRETE CLASS B (1-21-2) 33
REINFORCING STEEL 10

This culvert laid by State forces.
Headwalls to be constructed.

STA 22+50 - 18" Reinforced Concrete Pipe -
CONCRETE CLASS B (1-21-2) - 2.7 cu yds
REINFORCING STEEL - 33 lbs.

THIS CULVERT LAID BY STATE FORCES.

CABLE GUARD RAIL REQUIRED

CULVERT

STA 13+00 to STA 14+40 - Long 140 R.
21+24 23+40 216

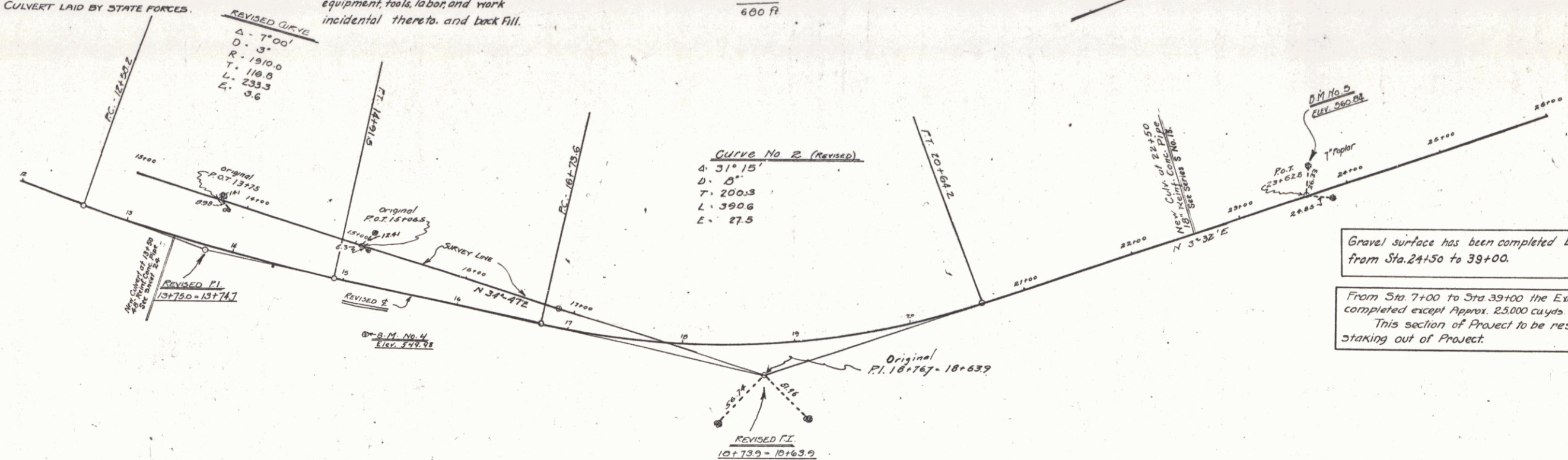
ORIGINAL

STA 13+00 to STA 14+24 - Long 124 R.
21+40 23+40 200
600 R

COBBLE GUTTER NOTE

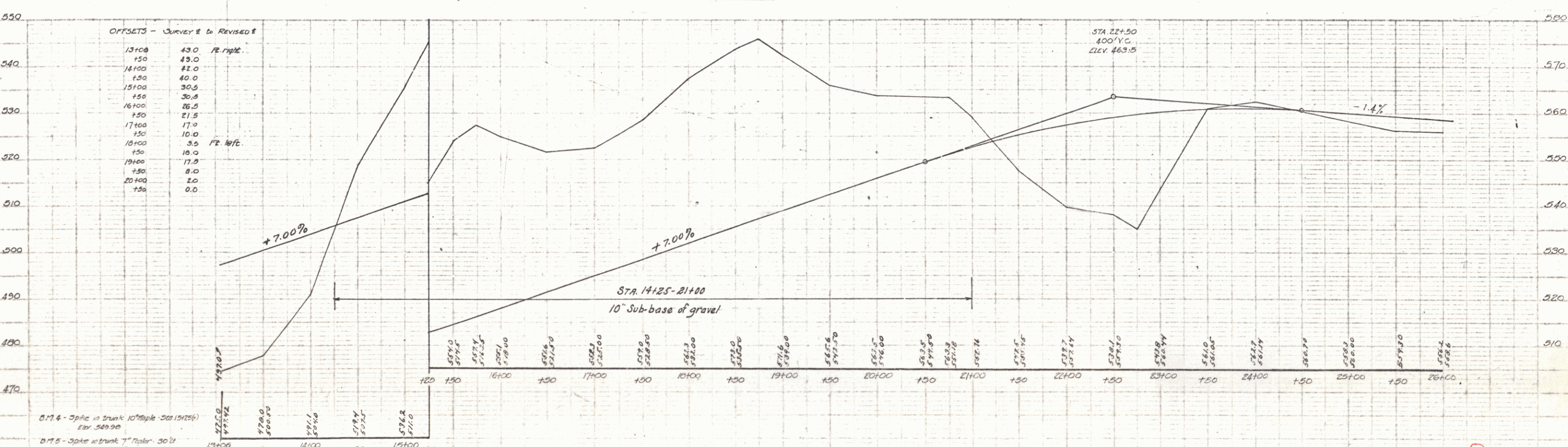
FR 6A 1928 20 7D

STA 14+25 (approx) and STA 23+25 (approx) - Right and Left.
Cobble Gutter to be constructed on slope where
fill meets original ground if necessary to prevent
erosion.



Gravel surface has been completed by State forces
from Sta. 24+50 to 39+00.

From Sta 7+00 to Sta 39+00 the Excavation has been
completed except Approx. 25,000 cu yds. by State Force Account.
This section of Project to be resectioned during
staking out of Project.

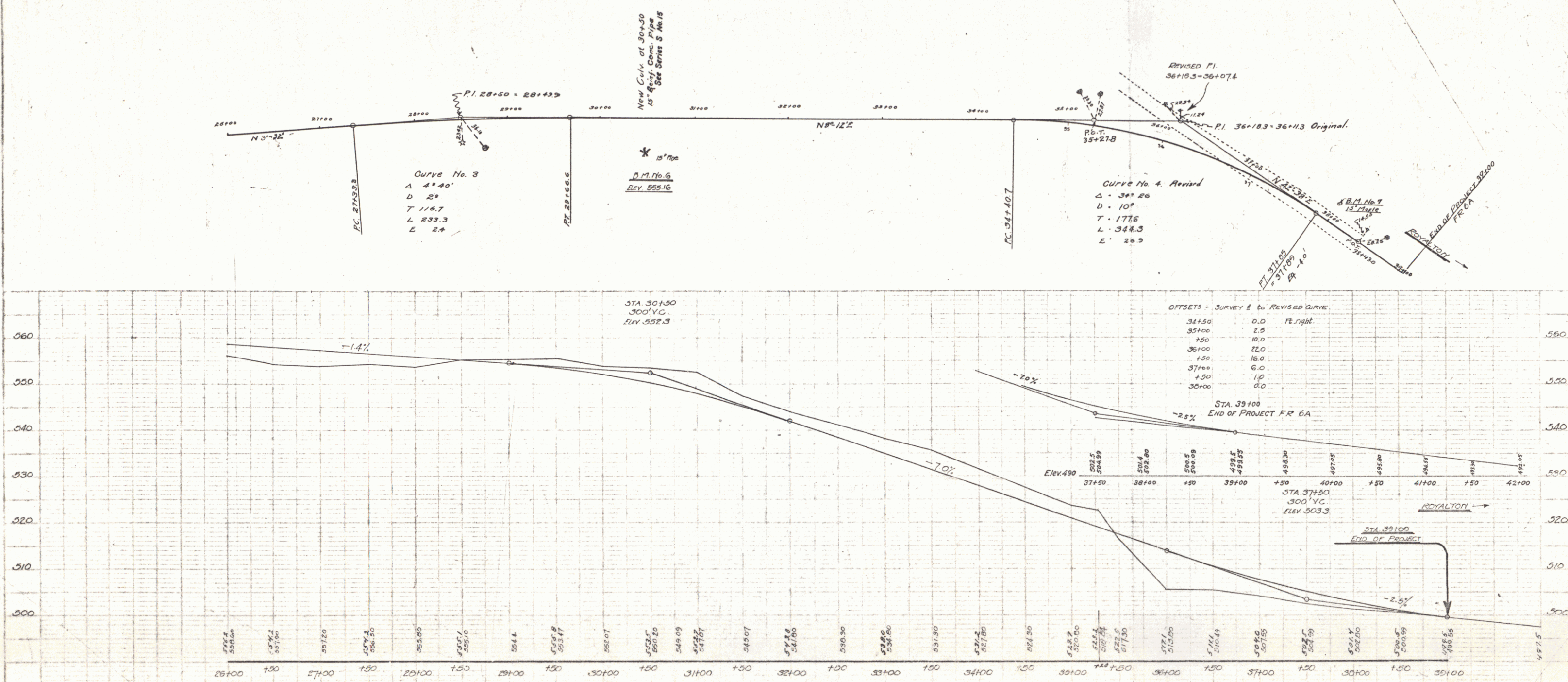


CABLE
 GUARD RAIL REQUIRED
 ON LEFT
 STA 35+66 to STA 37+26 - long 160 ft.

WOOD GUARD RAIL REQUIRED
 ON LEFT
 STA 30+30 to STA 30+62 - 24'
 ON RIGHT
 STA 30+30 to STA 30+62 - 24'
 40'

NEW CULVERTS REQUIRED
 STA 30+50 - 15" REIN. CONC. PIPE
 CONC. CLASS 3 (-11-5) - 2.1 cu yds
 REIN. STEEL - 33 lbs
 THIS CULVERT LAID BY STATE FORCES

FORWARD - 1" = 40' HORIZ. 1" = 10' VERT.
 FR 6A 1928 27 79



DM No. 6 - 3pkts 10 15" Pipe at Sta 30+50 (2) Elev 552.16
 DM No. 7 - 15 Mch 4 - 38+00 Elev 500.00

Sheet 6A 79
 Series FR No. 6A