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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SCALE	SHEET NO.	TOTAL SHEETS
9	VT.	R-26(23)	1	37	

**STATE OF VERMONT  
STATE HIGHWAY DEPARTMENT**

**PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY**

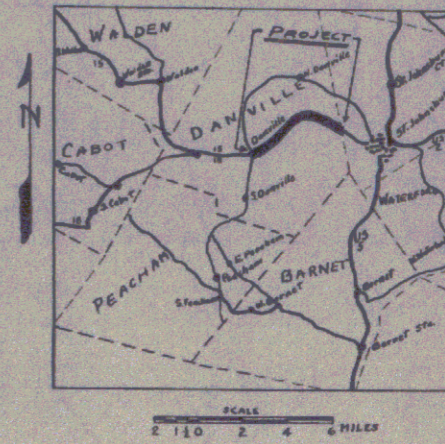
FEDERAL AID PROJECT

**TOWN OF DANVILLE**

**MONTPELIER - ST. JOHNSBURY ROAD**

FROM THE END OF F.A.P. 95-A IN DANVILLE VILLAGE  
EAST 4.750 MILES TO THE ST. JOHNSBURY TOWN LINE

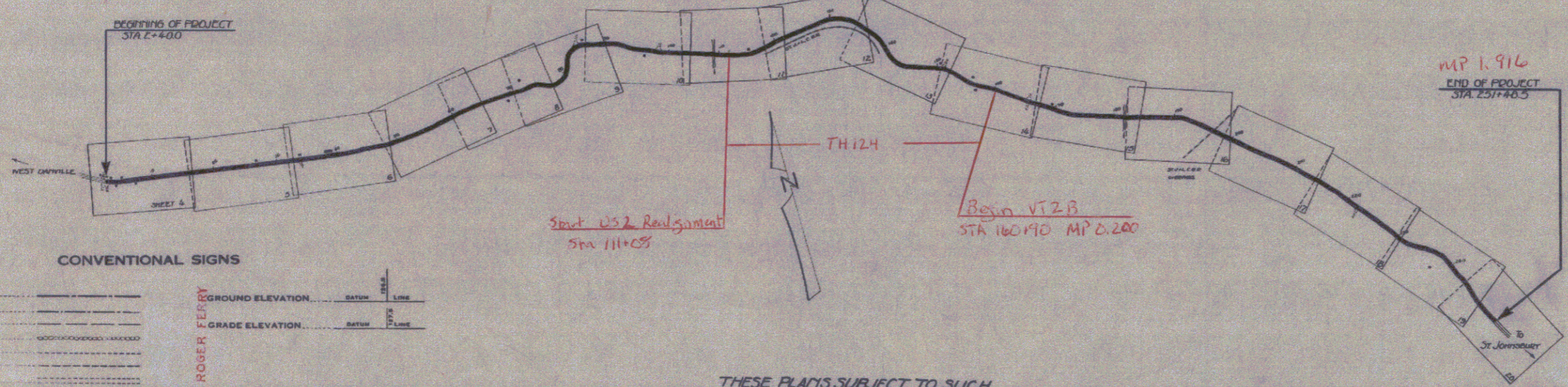
LENGTH OF PROJECT 25,0829 FT. = 4.750 MILES



RECORD PLANS

NOTE: FOR FURTHER INFORMATION CONCERNING FINAL QUANTITIES, SPECIFICATIONS OR OTHER DETAILS RESPECTIVE TO THIS PROJECT, MAY BE FOUND ON EITHER THE FIELD BOOKS OR THE ESTIMATE FILE.

SCALES:  
PLAN 1 IN. = 50 FT.  
VERTICAL 1 IN. = 10 FT.  
HORIZONTAL 1 IN. = 50 FT.



**CONVENTIONAL SIGNS**

COUNTY LINE	GROUND ELEVATION	BATH	LINE
TOWN LINE	GRADE ELEVATION	BATH	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			

**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.

DANVILLE 25-4R  
FORCE ACCOUNT  
YEAR BUILT 1922  
RECORD PLANS BY ROGER FERRY

THESE PLANS SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE CHIEF ENGINEER.

APPROVED May 7, 1931  
*H. S. ...*  
Commissioner of Highways

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

Pin # 99R696  
Route VT2B  
Date 5/7/1931

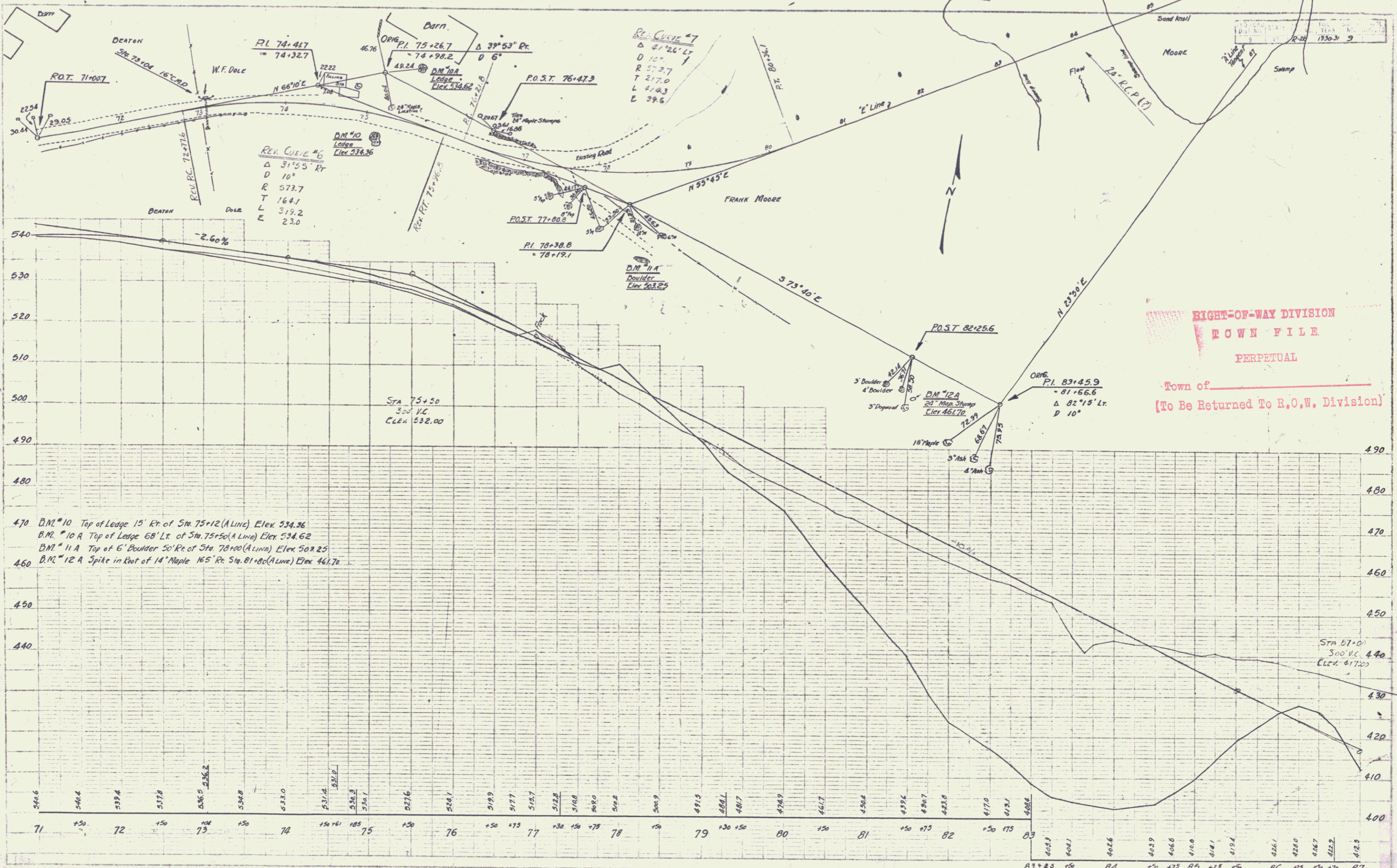
RECOMMENDED [Signature]  
DISTRICT ENGINEER BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL [Signature]  
CHIEF ENGINEER BUREAU OF PUBLIC ROADS

APPROVED [Signature]  
DIRECTOR BUREAU OF PUBLIC ROADS

CORRECT May 7, 1931  
*J. G. ...*  
Road Engineer

SERIES F NO. R-26 FILED  
SHEET 1 OF 37



470 D.M. #10 Top of Ledge 15' Rt. of Sta. 75+12 (A Line) Elev 534.36  
 B.M. #10 A Top of Ledge 68' Lt. of Sta. 75+50 (A Line) Elev 534.62  
 D.M. #11 A Top of 6' Boulder 50' Rt. of Sta. 78+00 (A Line) Elev 503.25  
 460 D.M. #12 A Spike in Root of 14' Maple 165' Rt. Sta. 81+80 (A Line) Elev 461.70



**WOOD GUARD RAIL REQUIRED**

CULVERT STATION	LEFT	RIGHT
105+35	24'	24'
117+37	24'	24'

**CRGLE GUARD RAIL REQUIRED**

STATIONS	L or R	LENG.	CONSTANT	INT LENGTH
100+06-109+20	LT	24'	20'	44'
109+06-109+30	RT	24'	20'	44'
109+44-109+60	LT	24'	20'	44'
109+54-110+30	RT	40'	20'	60'
114+30-114+36	RT	12'	40'	192'
117+33-117+01	RT	48'	40'	88'
117+33-117+01	LT	48'	40'	88'

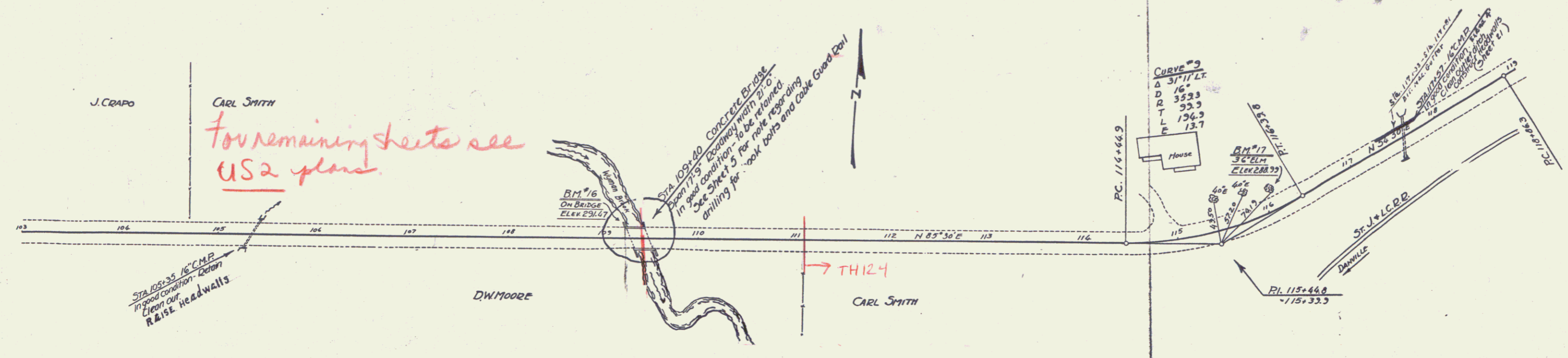
**BITUMINOUS MACADAM GUTTER REQUIRED**

STATIONS	L or R	LENGTH	SURFACE STONE
117+33-117+01	L	48'	1.5 C.Y.

**CULVERT REPAIRS REQUIRED**

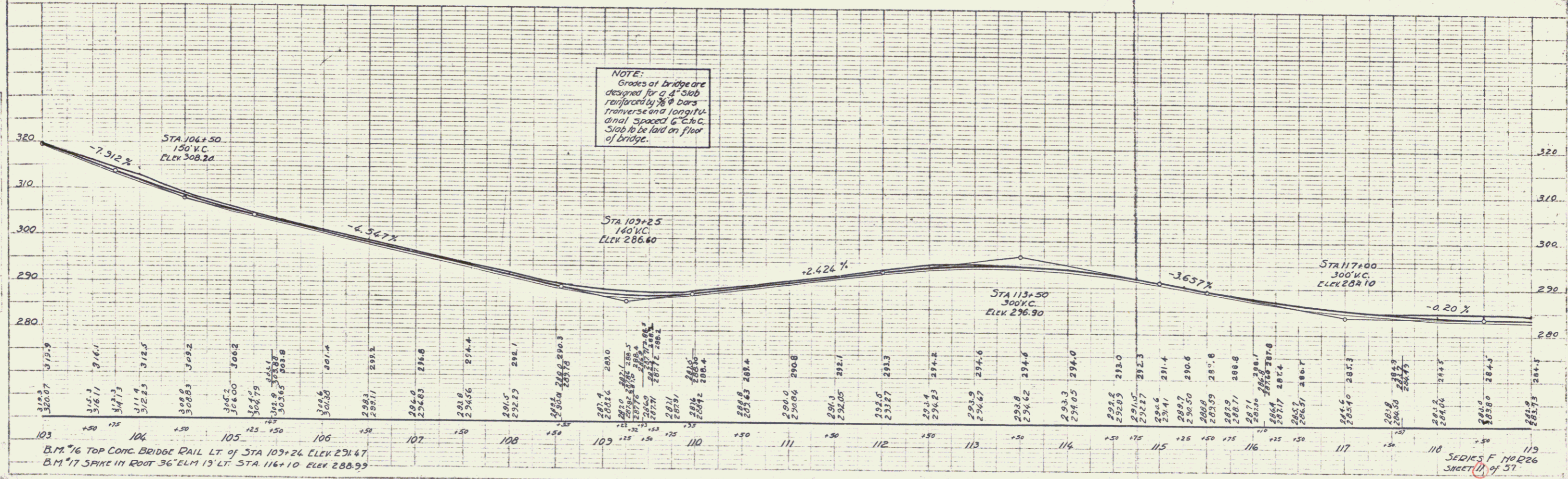
STATION	NATURE OF REPAIRS	ESTIMATE
117+37	NEW HEADWALL	2.8-4.0
105+35	RAISE HEADWALL	17.0

RED ROAD STATE PROJECT SHEET TOTAL  
 BUT. NO. 10 SHEETS  
 P. 26 1931 11 57



*For remaining sheets see US2 plans.*

**NOTE:**  
 Grades of bridge are designed for 2' 4" slab reinforced by 3/8" bars transverse and longitudinal spaced 6" c/c. Slab to be laid on floor of bridge.



BM 16 TOP CONC. BRIDGE RAIL LT. OF STA 109+24 ELEV 291.47  
 BM 17 SPIKE IN ROOT 36' ELM 19' LT. STA 116+10 ELEV 288.99

SERIES F 110226  
 SHEET 11 of 57

**WOOD GUARD RAIL REQUIRED**

CULVERT STATION	LEFT	RIGHT
120+06	24'	24'

**CABLE GUARD RAIL REQUIRED**

STATIONS	L+R	LINE	COORDINATE	IN LINE
120+00-120+18	24'	24'	240'	240'
120+00-120+00	40'	40'	132"	132"
120+00-120+00	40'	40'	132"	132"
120+00-120+00	40'	40'	132"	132"

**CULVERT REPAIRS REQUIRED**

STATION: NATURE OF REPAIRS CONC. A. STEEL

120+06 Extend 8' L+R. 2.5' x 4' 3" H

131+50 Repair wings

**GRAVEL-COBBLE GUTTER REQUIRED**

STATIONS	L+R	LENGTH	WIDTH	DEPTH
130+30-130+50	4'	20'	30"	18" depth
131+00-131+20	4'	20'	30"	18" depth

**BITUMINOUS MACADAM GUTTER REQUIRED**

STATIONS	L+R	LENGTH	WIDTH	DEPTH
130+36 - 130+108	R	72'	24"	8"
118+34 - 120+118	R	24'	24"	8"

STATE	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
VT.	R 226	1937	12	37

**CURVE #11**

Δ 3°14' Lt

D 1°

R 5723.7

T 161.7

L 323.3

E 2.3

**CURVE #10**

Δ 7°12' Rt

D 3°

R 1310.1

T 120.2

L 260.0

E 3.8

**CURVE #12**

Δ 39°56' Rt

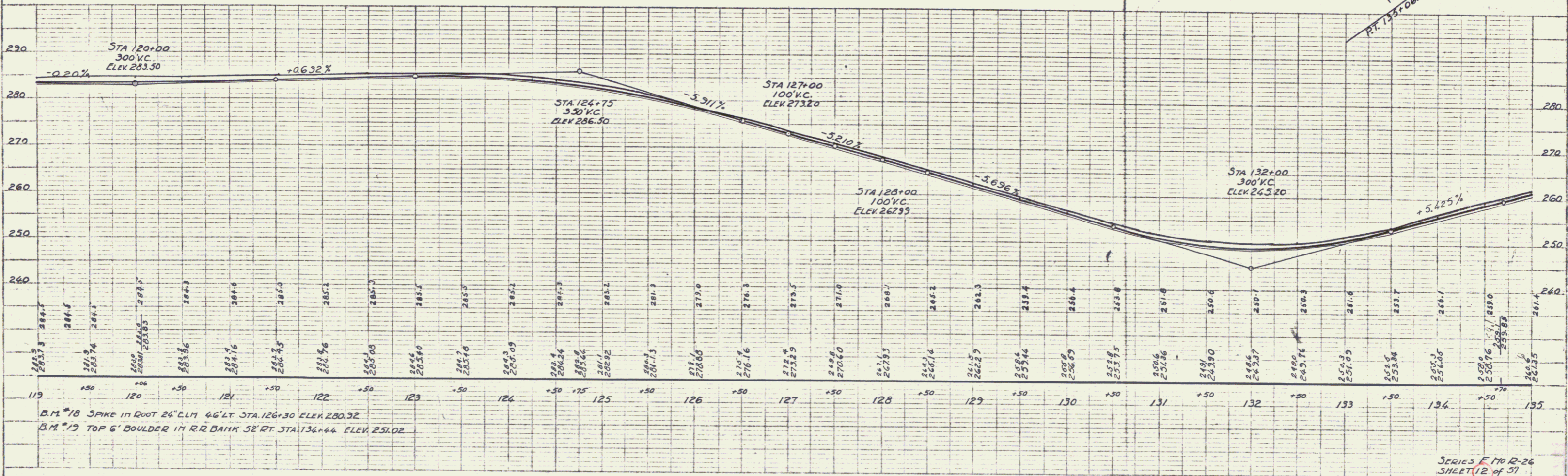
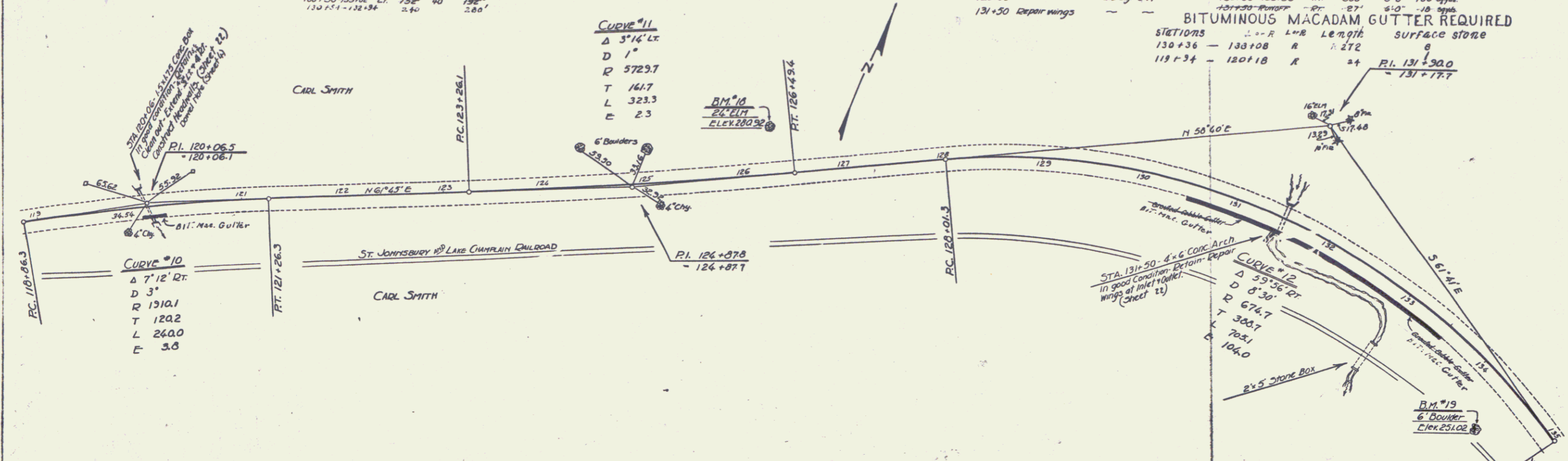
D 8°30'

R 674.7

T 300.7

L 702.1

D 104.0



PLAN

Scale: 1" = 40'

Profile

Scale: 1" = 10'

B.M. #18 SPIKE IN ROOT 24" C.M. 46" LT STA. 126+30 ELEV. 280.32

B.M. #19 TOP 6' BOULDER IN RR BANK 52' RT STA. 134+44 ELEV. 251.02

**WOOD GUARD RAIL REQUIRED**

CULVERT STATION	LEFT	RIGHT
136+36	26'	26'
138+76	26'	-
141+00	26'	-
148+76	26'	-

**CABLE GUARD RAIL REQUIRED**

STATIONS	LEAF	LENG.	CROSSING	ANY LENGTH
138+25 - 141+25	RT	30'	40'	368'
146+77 - 149+25	RT	28'	60'	888'
7A	CC	22.4'		214'

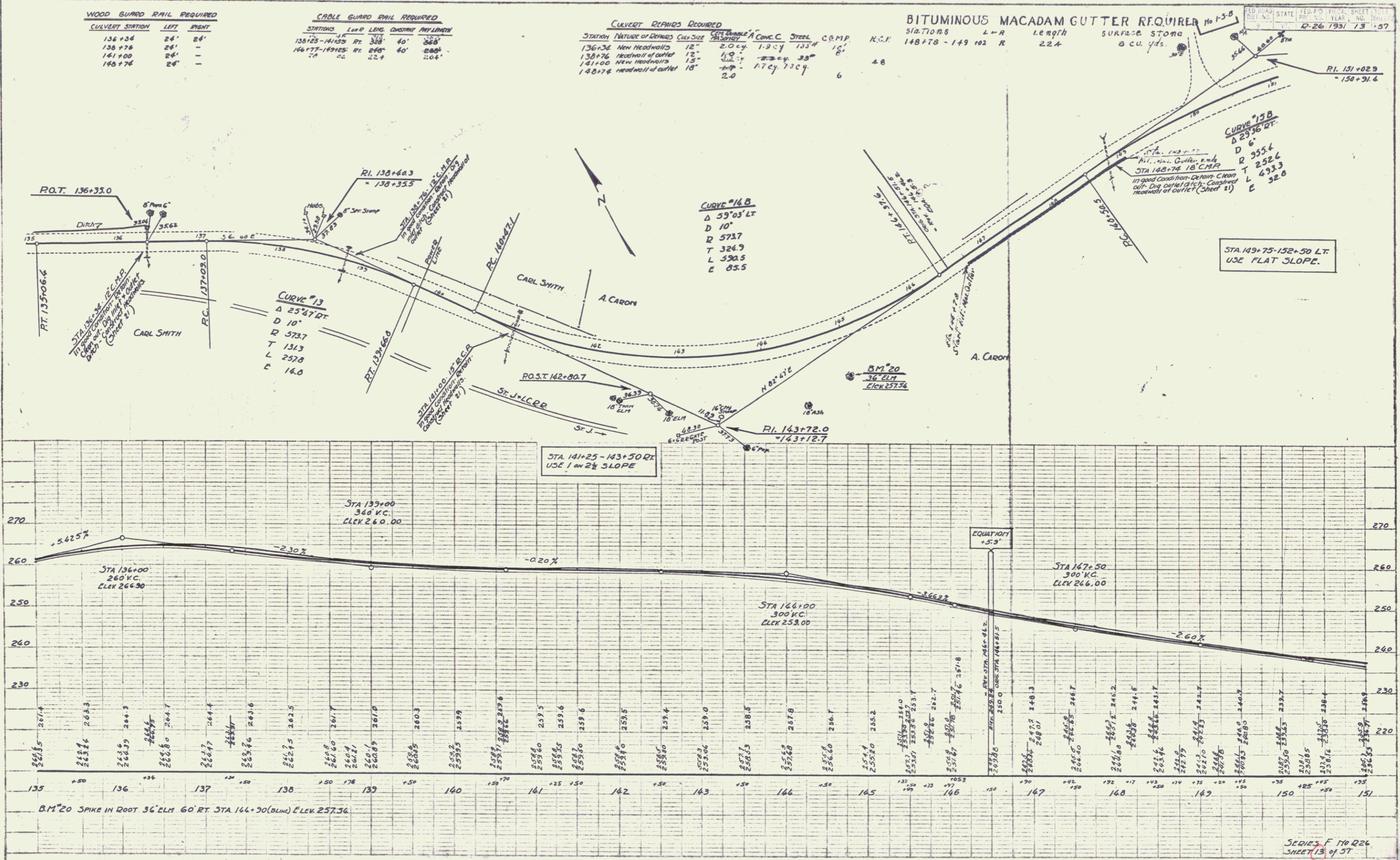
**CULVERT REPAIRS REQUIRED**

STATION	NATURE OF REPAIRS	CULVERT	NO. CHANGES	CONC. C	STEEL	C.B.M.P.	R.C.P.
136+36	New Headwalls	12"	2.0	cy	1.2	cy	133.4
138+76	Headwall of outlet	12"	1.0	cy	0.6	cy	16'
141+00	New Headwalls	15"	1.0	cy	0.6	cy	16'
148+76	Headwall of outlet	18"	1.0	cy	0.6	cy	16'

**BITUMINOUS MACADAM GUTTER REQUIRED**

STATIONS	LEAF	LENG.	SURFACE	STONE
148+78 - 149+22	R	22.4'	8 cu. yds.	

STATE OF CALIFORNIA  
 DIVISION OF HIGHWAYS  
 PROJECT NO. 10-1-5-5  
 SHEET NO. 13 OF 57  
 DATE 12-26-1931



SERIES F 110 Q26  
 SHEET 13 OF 57

**WOOD GUARD RAIL REQUIRED**

CULVERT STATION	LEFT	RIGHT
166+25	24'	28'
	26'	

**CABLE GUARD RAIL REQUIRED**

STATIONS	LEN	CONC	PIV LENGTH
167+50 - 167+75	25'	40'	40'
167+75 - 167+90	15'	40'	20'
167+90 - 168+10	20'	40'	18'
168+10 - 168+30	20'	40'	80'

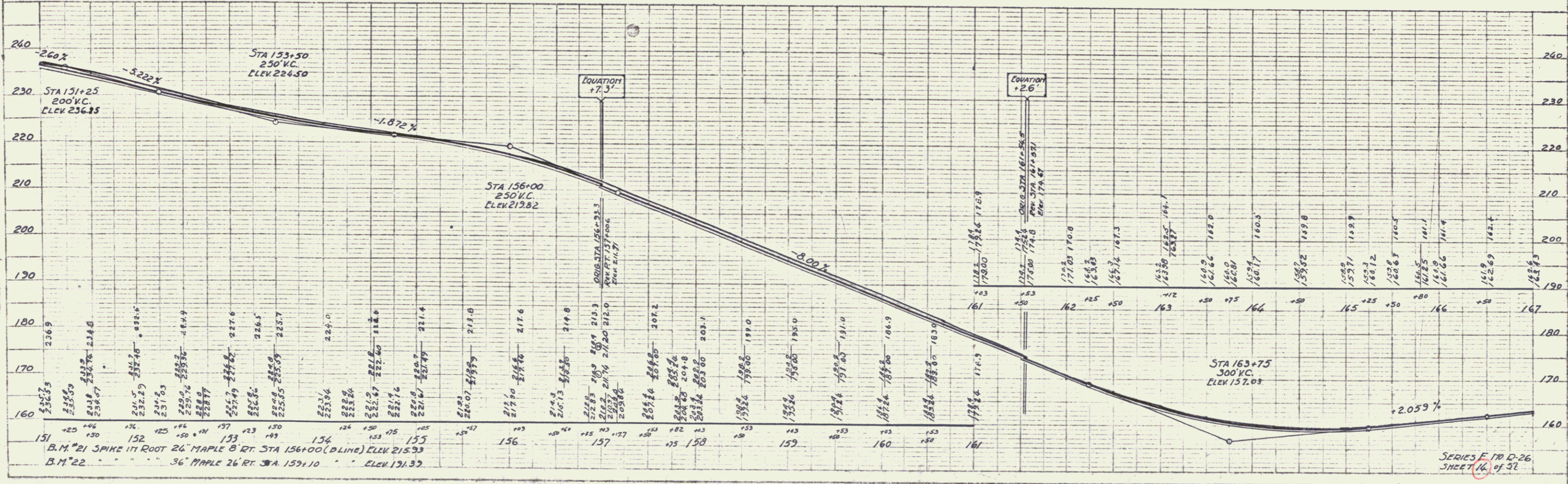
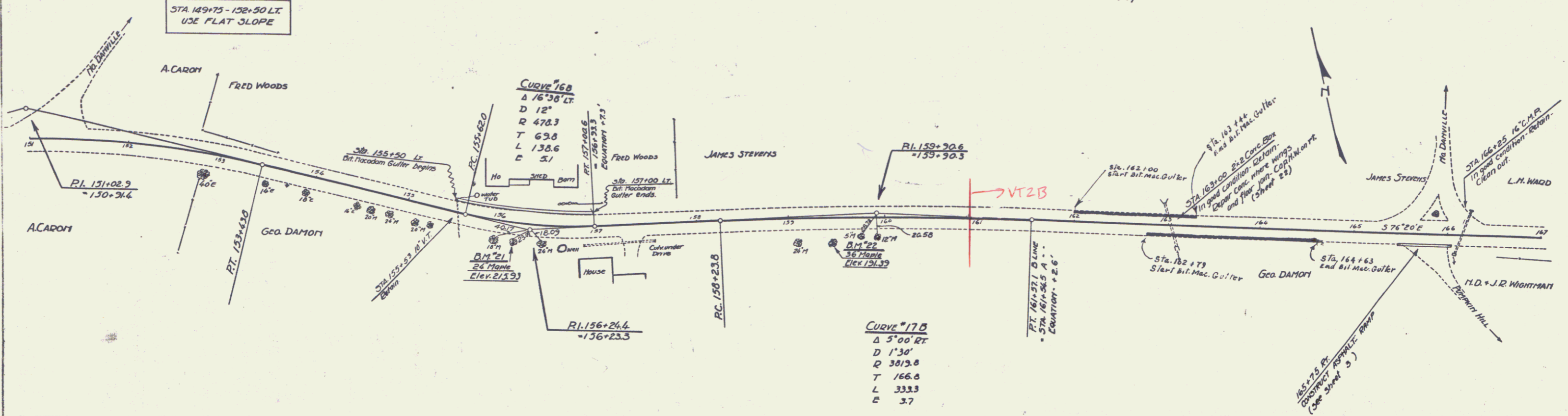
**CULVERT REPAIRS REQUIRED**

STATION	NATURE OF REPAIR	CONC. A	STEEL
163+00	Patching concrete - 4' x 4' x 4'		
	Cap 11" x 11" x 4' Right and Left	2.4 cy	106#

**OUTER ROLLS MACADAM GUTTER REQUIRED**

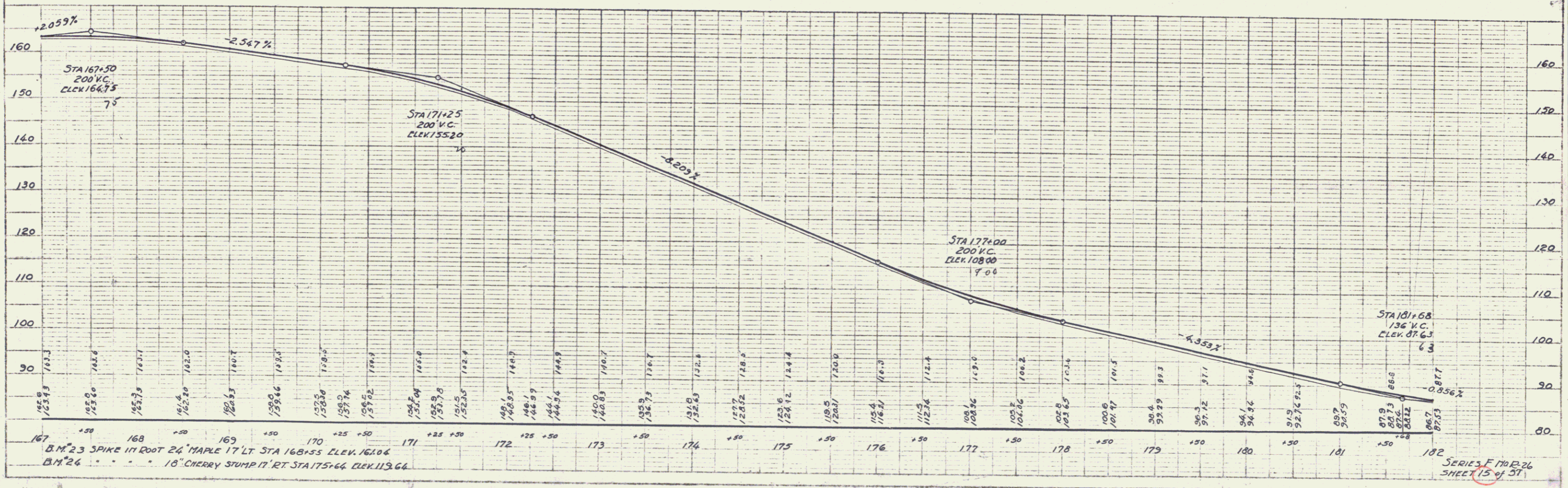
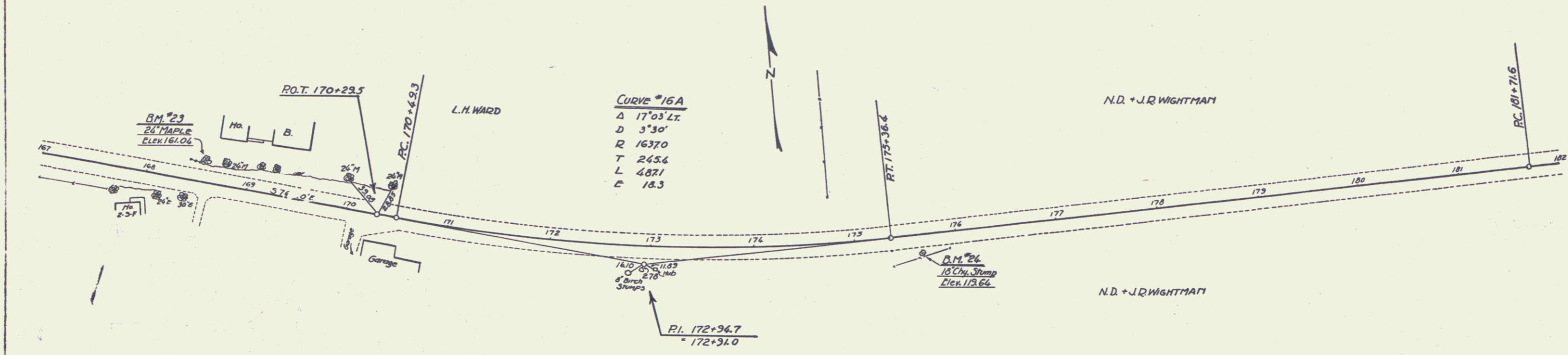
STATIONS	LEN	R	LENGTH	BROKEN STONE	SURFACE COURSE
155+50 - 157+00	150'	LT	150'	8 cy	4 cy
162+00 - 163+14	114'	RT	114'		5 cy
162+173 - 164+163	184'	RT	184'		6 cy

FED. ROAD DIST. NO. STATE PROJ. NO. FILE NO. SHEET NO. TOTAL SHEETS  
 V-26 1931 14 37



SERIES E 170 D-26  
 SHEET 16 of 37

FED. ROAD DIST. NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
8	VT.	1937	15	157



PLAN  
DATE: 1937  
SCALE: 1" = 40'

PROFILE  
DATE: 1937  
SCALE: 1" = 40'

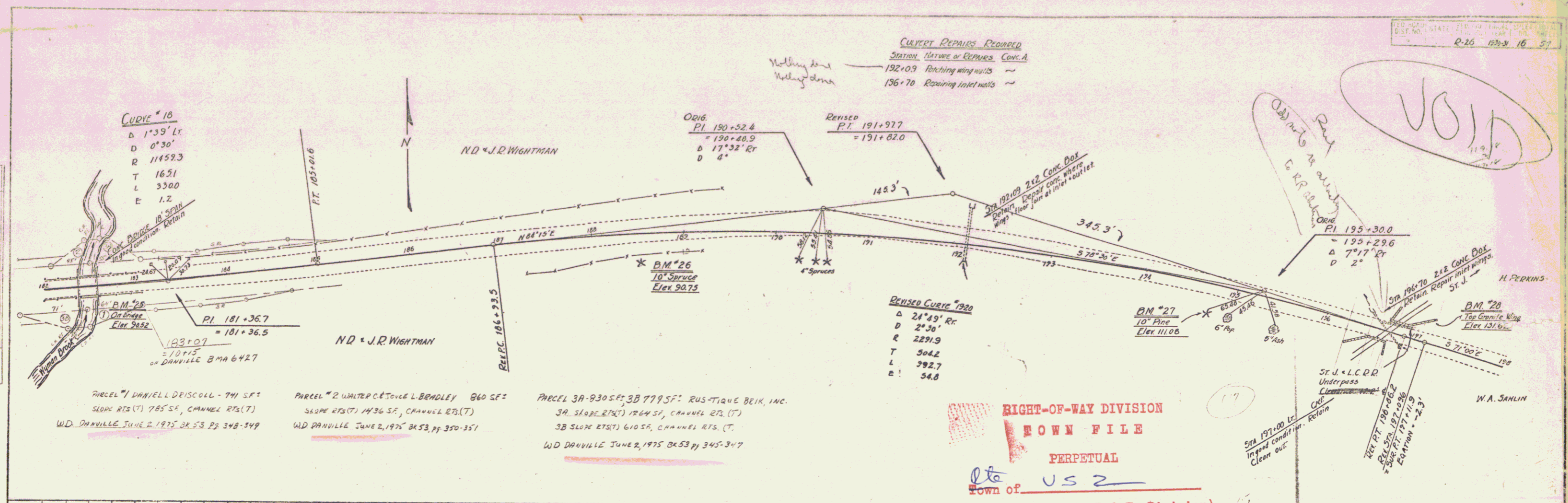
PLATE 1 - PLAN AND PROFILE  
REVISIONS

SERIES F 1102-26  
SHEET 15 of 51



PLAN  
 REVISIONS  
 NOTE BOOK  
 CHECKED  
 DATE

DATE  
 BY  
 CHECKED  
 DATE





**WOOD GUARD RAIL REQUIRED**

CULVERT STATION	LEFT	RIGHT
207+03	24'	24'
202+16	24'	24'

**CABLE GUARD RAIL REQUIRED**

STATIONS	L+R	LINE	QUANTITY	PIV LENGTH
202+00-202+05	44'	24'	60'	64'
202+05-202+08	44'	24'	60'	64'

**STD UNDERDRAIN WITH 6" PERL CORR GALV METAL PIPE REQUIRED**

STATIONS	L+R	LENGTH	CEMENT MORTAR MASONRY
198+00-202+00	ETC	400'	-
198+12-198+127	ETC	20'	-

**CULVERT REPAIRS REQUIRED**

STATION	REPAIRS	CONC. A	ST. 1
202+16	Rebaring O.I. Barrel	84 CY	769
207+03	Patching out Hct	35 CY	103

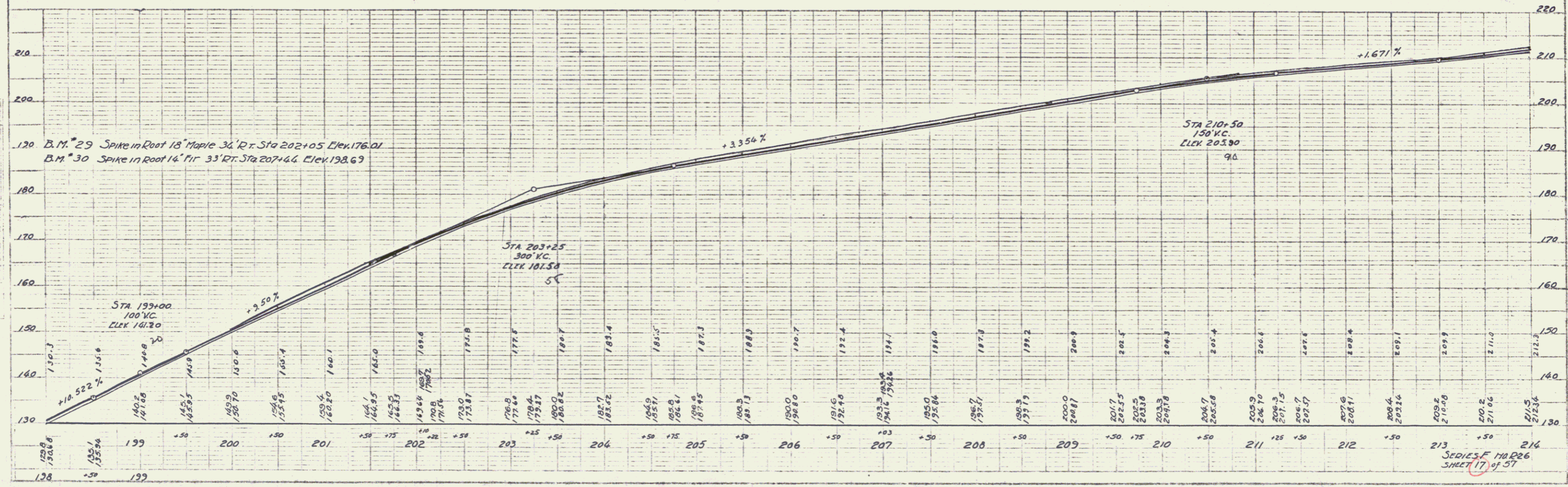
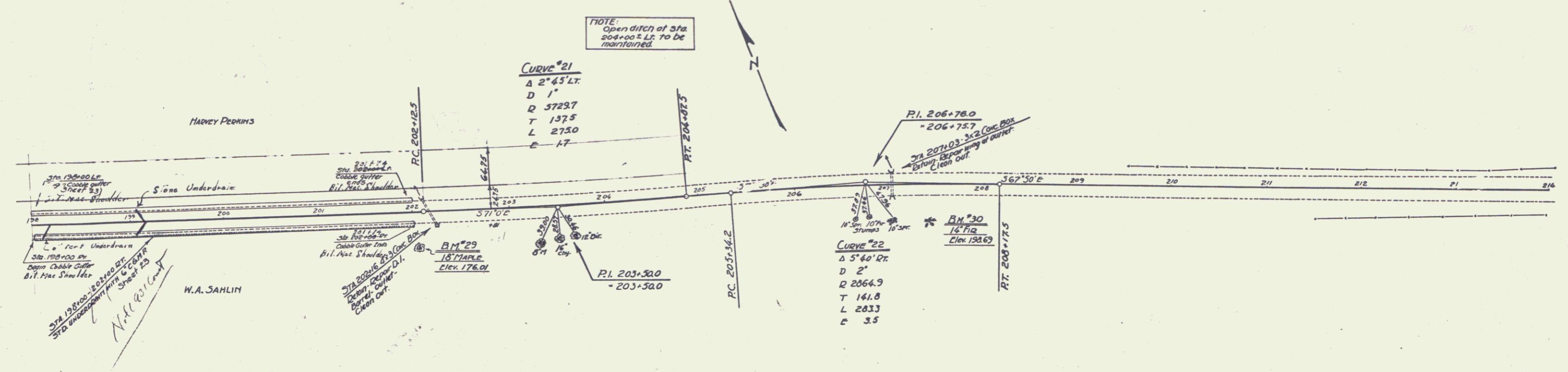
**GRADED COBBLE GUTTER REQUIRED**

STATION	L+R	LENGTH	WIDTH	AREA
198+00-202+00	ETC	400'	3'	1200
202+00-202+05	ETC	5'	3'	15
202+05-202+10	ETC	5'	3'	15
202+10-202+15	ETC	5'	3'	15
202+15-202+20	ETC	5'	3'	15
202+20-202+25	ETC	5'	3'	15
202+25-202+30	ETC	5'	3'	15
202+30-202+35	ETC	5'	3'	15
202+35-202+40	ETC	5'	3'	15
202+40-202+45	ETC	5'	3'	15
202+45-202+50	ETC	5'	3'	15

**BITUMINOUS MACADAM GUTTER REQUIRED**

Stations	Length	Surface Stone
198+00-201+74	174'	14 CY
198+00-201+74	174'	14 CY

FED. ROAD DIST. NO. 8 STATE 226 YEAR 1953 SHEET NO. 77 TOTAL SHEETS 99



SERIES F 110 P26 SHEET 17 OF 57

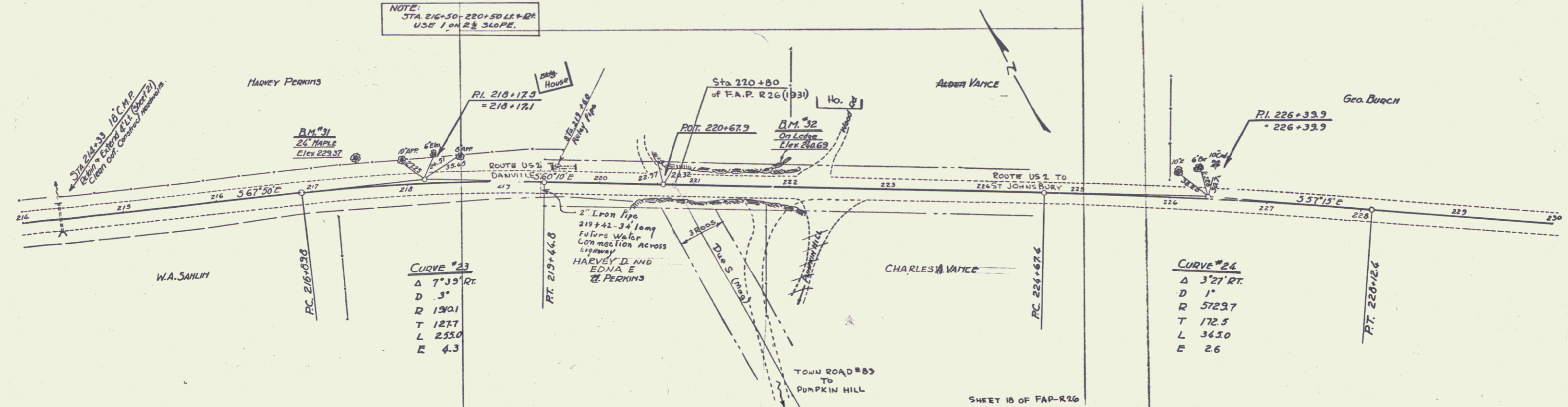
WOOD GUARD RAIL REQUIRED	
CULVERT STATION	LEFT RIGHT
214+33	24' 24'

DRIVEWAY PIPE CULVERTS REQUIRED			
Stations	Length	Material	Notes
219+60	17'	30"	J.T.C.Y.

CULVERT REPAIRS REQUIRED		
STATION	NATURE OF REPAIRS	CONCRETE REQUIRED
214+33	Extend 4' Lt.	18" 16.04'

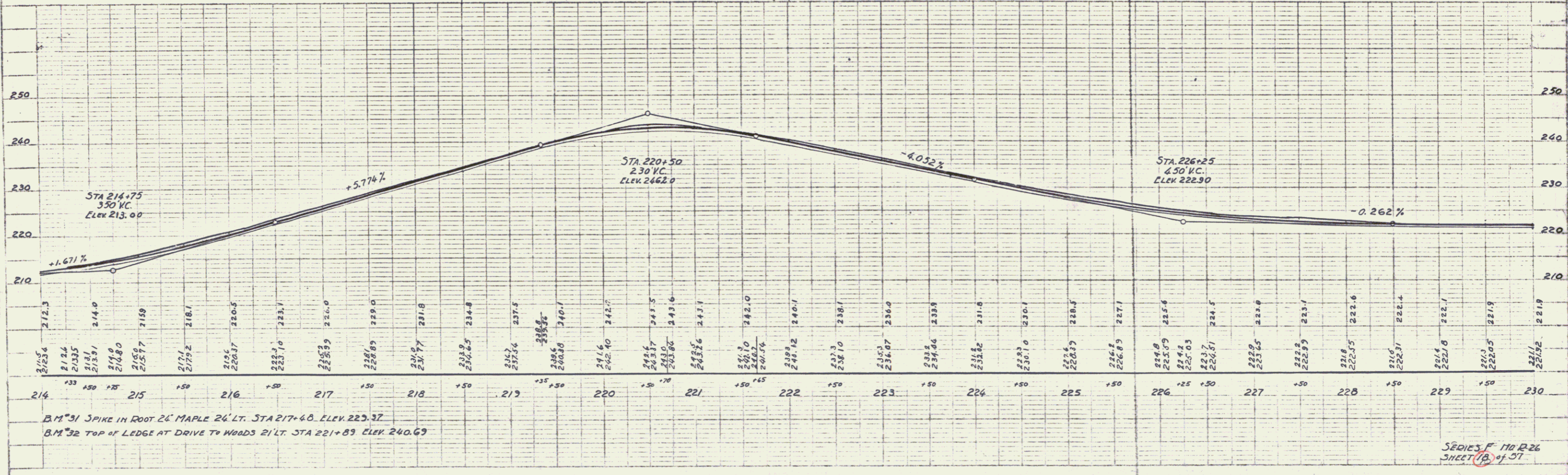
FED. ROAD DIST. NO. 26 1937 18 57

NOTE: STA 216+50 - 220+50 LK+RT USE 1 ON 2 1/2 SLOPE.



**CURVE #23**  
 $\Delta$  7°39' RT  
 D 3'  
 R 1901  
 T 1277  
 L 253.0  
 E 4.3

**CURVE #24**  
 $\Delta$  3°21' RT  
 D 1'  
 R 5729.7  
 T 172.5  
 L 343.0  
 E 2.6

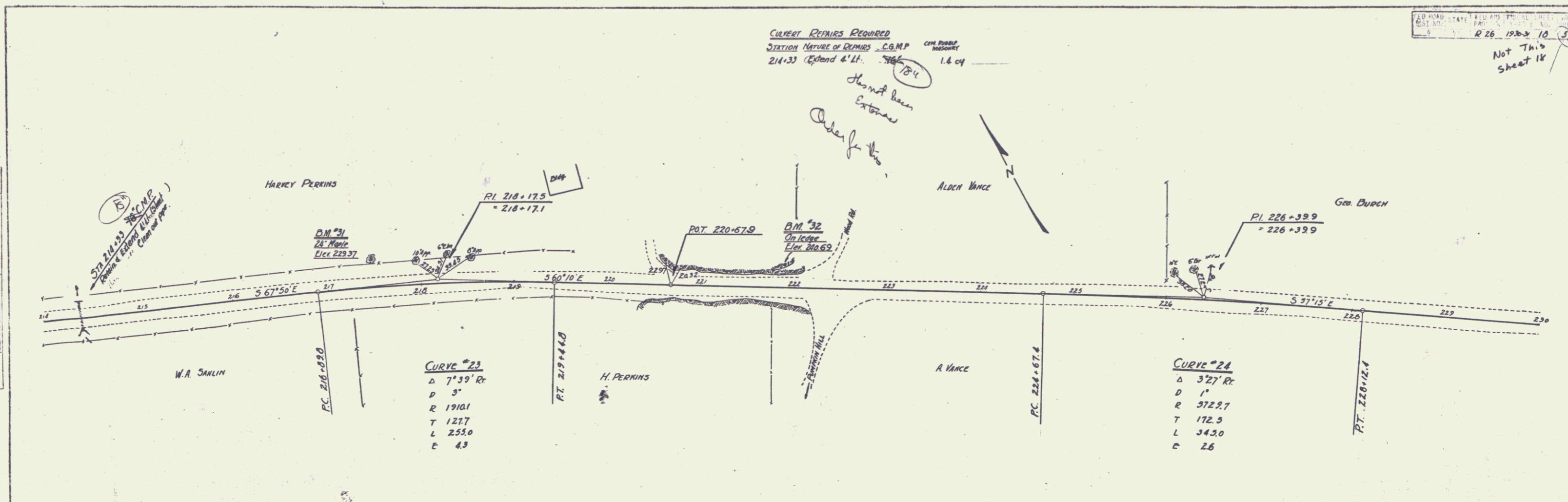


B.M. #31 SPIKE IN ROOT 24' MAPLE 24' LT. STA 217+60. ELEV. 223.37  
 B.M. #32 TOP OF LEDGE AT DRIVE TO WOODS 21' LT. STA 221+89. ELEV. 240.69

SERIES F No 1226 SHEET 18 of 57

**CULVERT REPAIRS REQUIRED**  
 STATION NATURE OF REPAIRS - C.G.M.P.  
 214+33 (Extend 4' Lt. 1.6 cy)

Should have  
 extended  
 Order for this

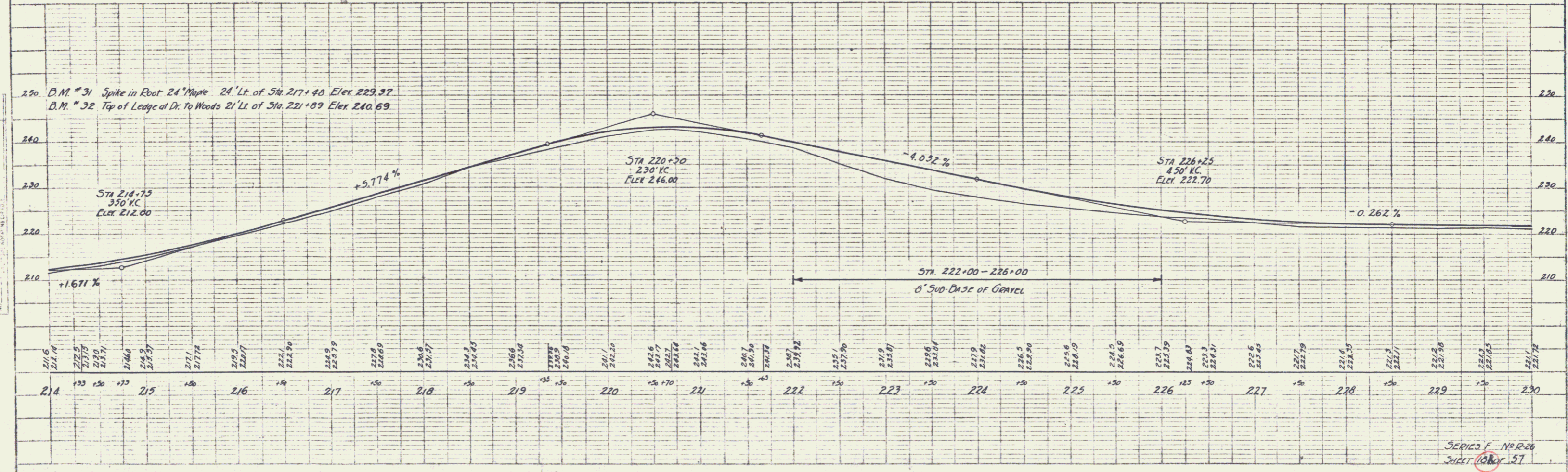


**CURVE #23**  
 $\Delta$  7°39' Rt  
 D 5'  
 R 19101  
 T 1277  
 L 253.0  
 E 4.3

**CURVE #24**  
 $\Delta$  3°21' Rt  
 D 1'  
 R 37227  
 T 172.5  
 L 343.0  
 E 2.6

DATE: \_\_\_\_\_  
 DRAWN BY: S.E.P.  
 CHECKED BY: \_\_\_\_\_  
 SCALE: \_\_\_\_\_

DATE: \_\_\_\_\_  
 DRAWN BY: S.E.P.  
 CHECKED BY: \_\_\_\_\_  
 SCALE: \_\_\_\_\_



250 D.M. #31 Spike in Root 24 Maple 24' Lt. of Sta 217+98 Elev 229.37  
 D.M. #32 Top of Ledge of Dr. to Woods 21' Lt. of Sta 221+89 Elev 240.69

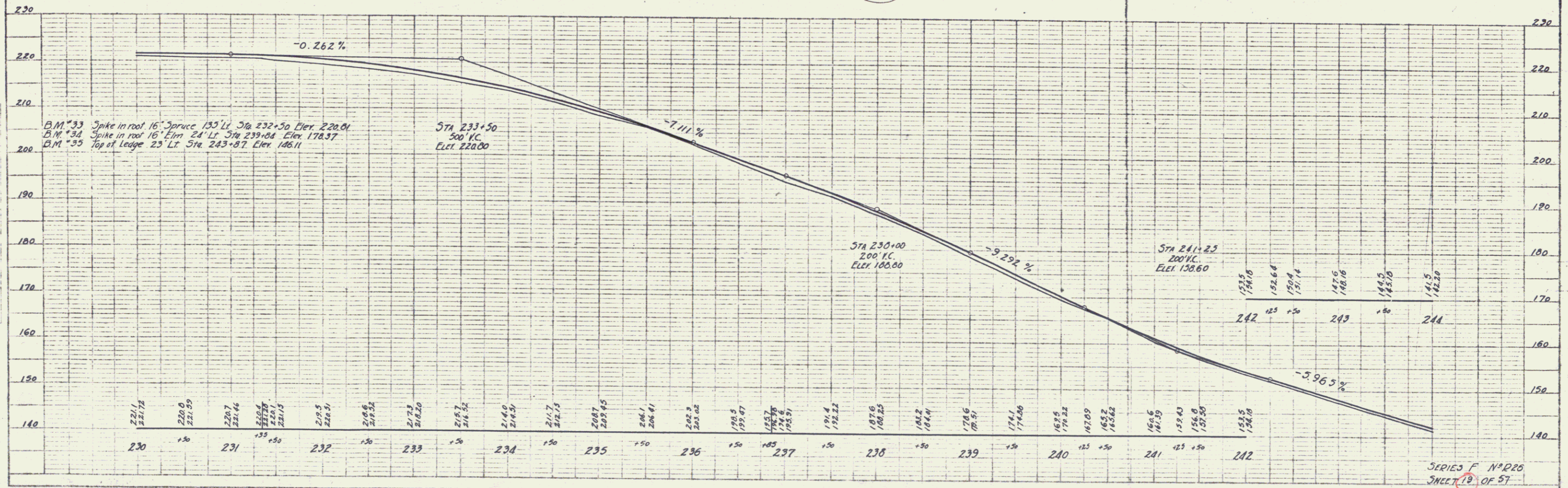
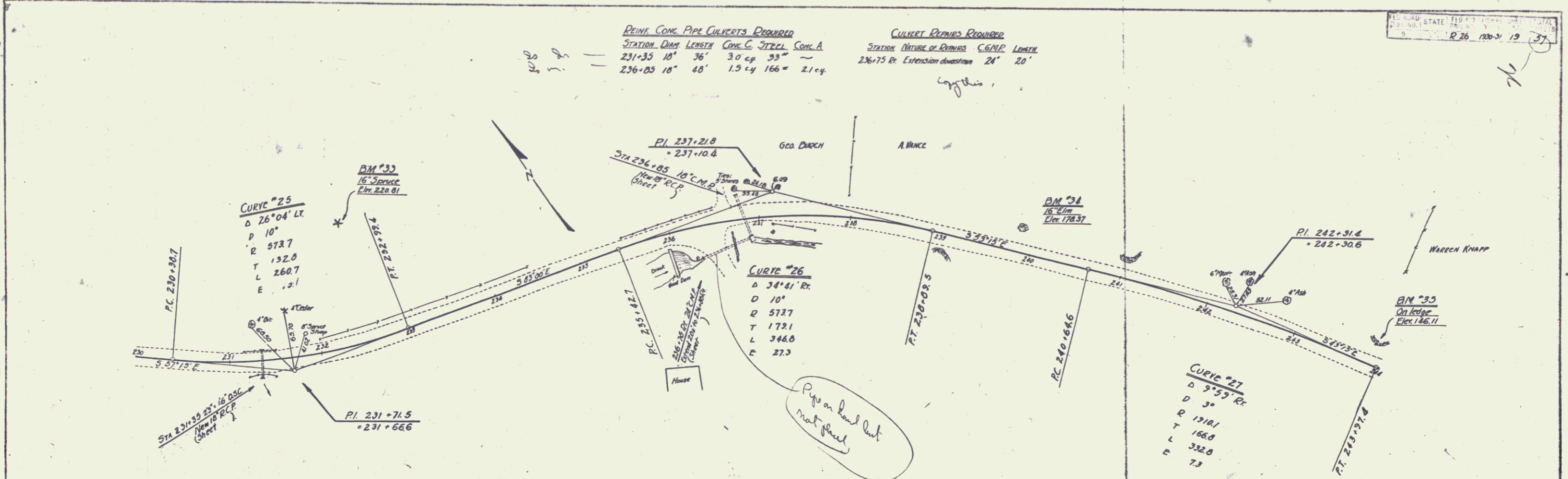
SERIES F No. R. 26  
 SHEET 18 OF 57

**PIPE CONG. PIPE CULVERTS REQUIRED**

STATION	DIAM.	LENGTH	CONG. C.	STEEL	CONG. A.
231+35	18"	36'	3.0 cu	33'	
236+05	18"	48'	1.5 cu	166'	2.1 cu

**CULVERT REPAIRS REQUIRED**

STATION	DIAM.	REPAIRS	CONG. C.	LENGTH
236+75	18"	Extension downstream	24'	20'



WOOD GUARD RAIL REQUIRED

CULVERT STATION	LEFT	RIGHT
231+35	24'	24'
236+05	24'	24'

CONCRETE CURB REQUIRED

STATIONS	LEN	CHORD	ARC LENGTH
236+44-237+09	PT	40'	40'

DIMENSIONAL MACADAM GUTTER REQUIRED

STATIONS	LEN	DEPTH	SURFACE COURSE
236+40-237+50	PT	90'	1.5 CY., 2.0 CY.

CULVERT DEPIKED REQUIRED

STATION	NATURE OF DEPIKED	CONC. A	CONC. C	STEEL
231+35	New Headwalls	18"	24"	3.5" x 3.5"
236+05	"	18"	24"	3.5" x 3.5"
236+75	Extension	24"	20"	3.5" x 3.5"

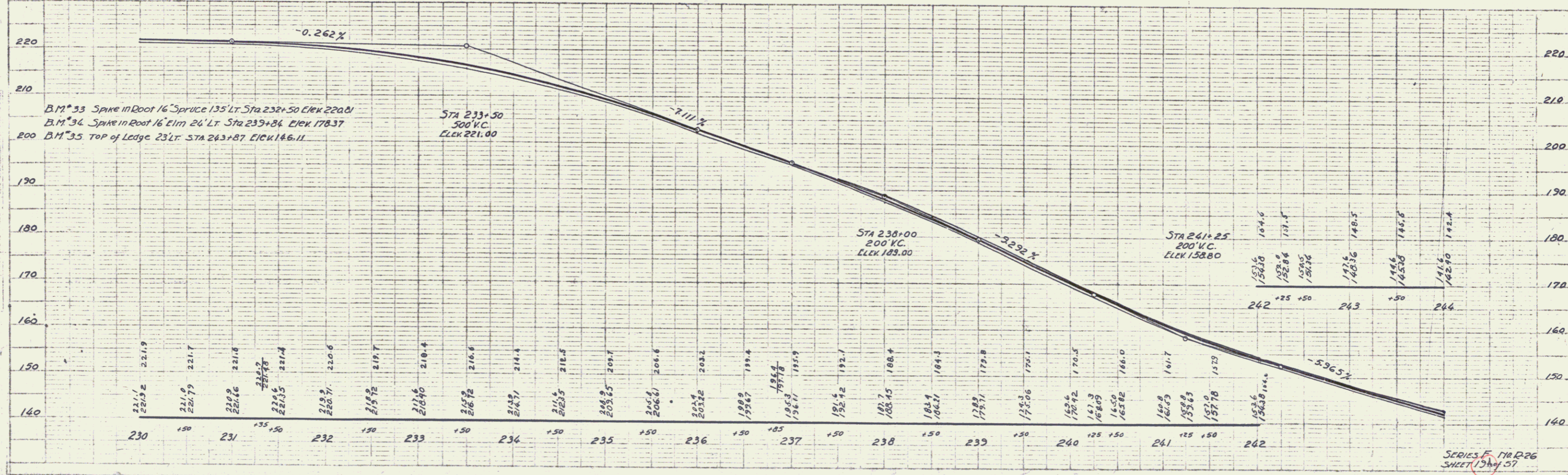
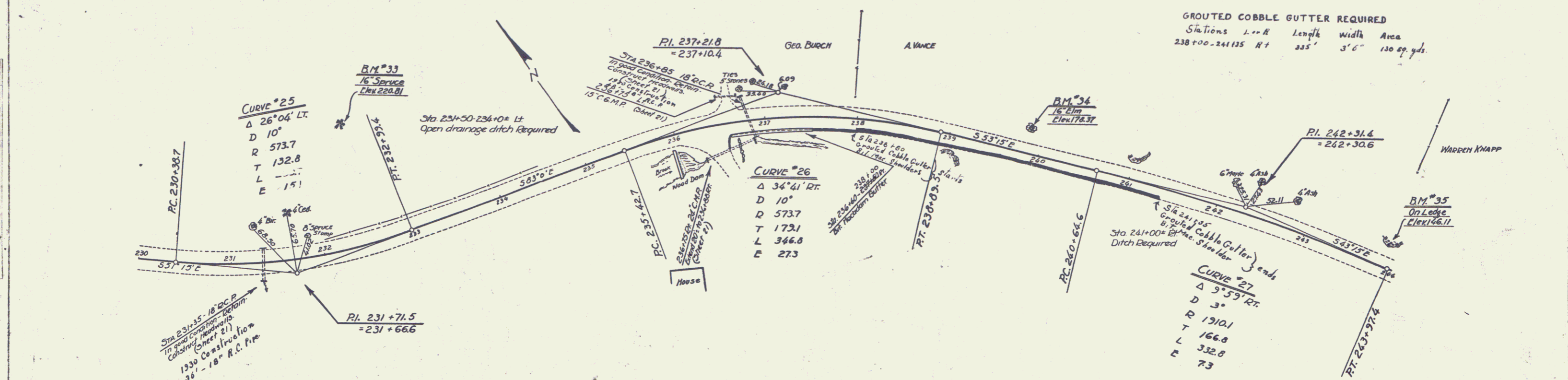
DRIVEWAY PIPE CULVERTS REQUIRED

STATION	LEN	DIA	LINE	CEMENT	PILE	MOORWAY
236+28	48'	24"	24"	24"	20"	
236+75	PT	24"	20"			

GRAUTED COBBLE GUTTER REQUIRED

Stations	L--R	Length	Width	Area
238+00-241+15	N+T	215'	3'6"	130 sq. yds.

FED. ROAD DIST. NO. STATE DIST. NO. TOTAL SHEET NO. SHEET NO. V.T. 12-26 1931 19 37



B.M. #33 Spike in Root 16 Spruce 135' LT. Sta 232+50 Elev 220.81  
 B.M. #34 Spike in Root 16 Elm 24' LT. Sta 235+84 Elev 178.37  
 B.M. #35 Top of Lodge 23' LT. Sta 243+87 Elev 146.11

SERIES F No. D26 SHEET 15 of 37

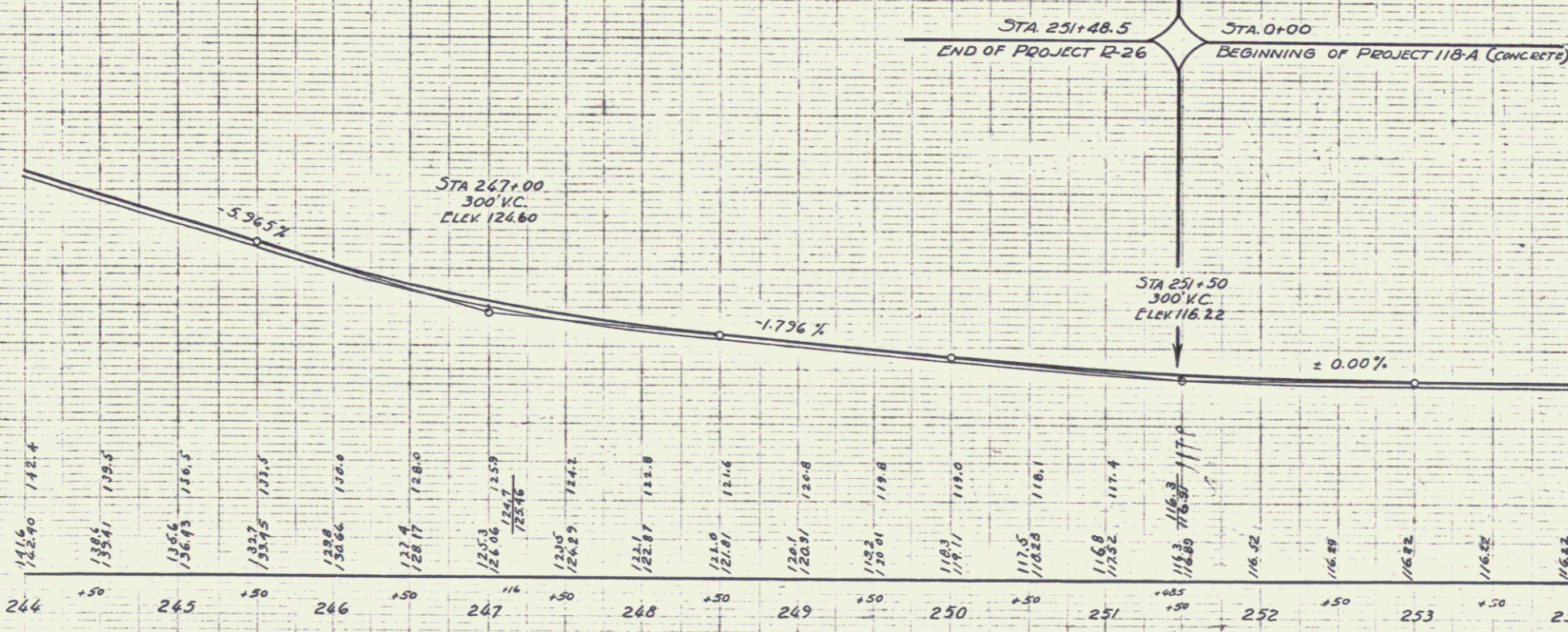
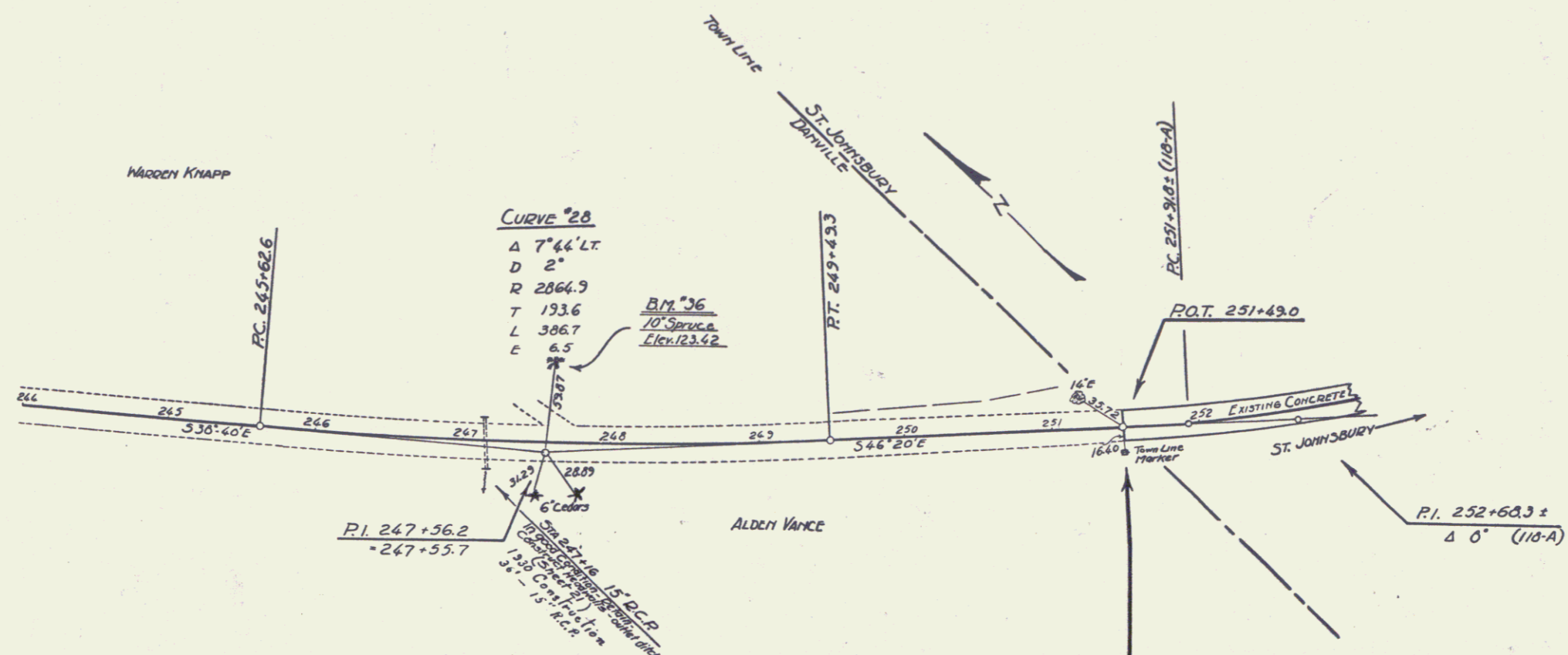
WOOD GUARD RAIL REQUIRED

CULVERT STATION	LEFT	RIGHT
247+16	24'	24'

CULVERT REPAIRS REQUIRED

STA	NATURE OF REPAIRS	CONC.	STEEL	2.5" P.	1.5" P.	Length
247+16	New Headwalls	2.3 cu	46'	15"	38'	

FED. ROAD STATE PROJ. DIST. NO. 9 DIST. 26 1931 20 37



B.M. 36 SPIKE IN ROOT 10' SPRUCE 55' LT. STA 247+62 ELEV. 123.42

SERIES F-1118-26 SHEET 20 of 57

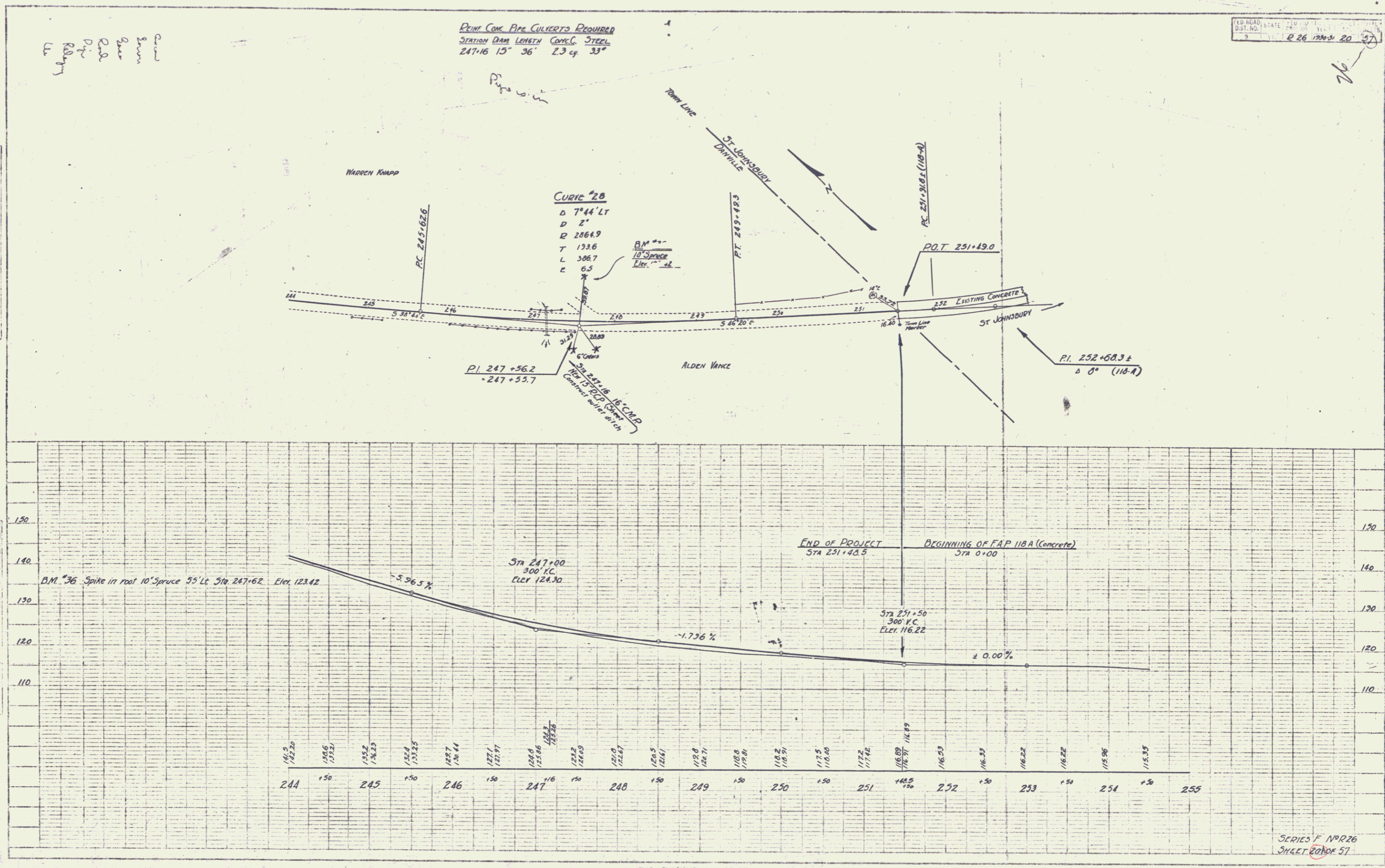
C. L. Dwyer  
 S. W. Brown  
 R. L. Brown  
 D. L. Brown  
 W. L. Brown  
 L. L. Brown

PUMP CONG. PIPE CULVERTS REQUIRED  
 STATION DAM LENGTH CONG. STEEL  
 247+16 15' 36" 2.3 cu 33"

DIST. NO. 1  
 STATE 26  
 R 26 1220-31 20 57

C. L. Dwyer  
 S. W. Brown  
 R. L. Brown  
 D. L. Brown  
 W. L. Brown  
 L. L. Brown

C. L. Dwyer  
 S. W. Brown  
 R. L. Brown  
 D. L. Brown  
 W. L. Brown  
 L. L. Brown



SERIES F No. 226  
 SHEET 20 OF 57