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SHEET NO.	1	TITLE PAGE	
"	2	TYPICAL CROSS-SECTION OF IMPROVEMENT (GRAVEL)	
"	3	PLAN AND PROFILE STA. 0 TO STA. 14	
"	4	"	"
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"	18-21	STA. 76+45	
"	22-24	STA. 5+46.58-6+67.41	
"	25-28	STA. 9+98-11+48	
"	29-30	STA. 37+25	
"	31-33	STANDARD STRUCTURES	
"	34-64	CROSS SECTIONS	

STATE OF VERMONT STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

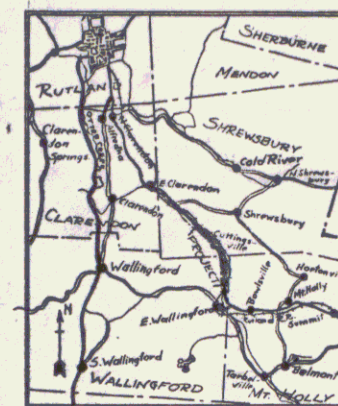
FEDERAL AID PROJECT

TOWNS OF WALLINGFORD-SHREWSBURY BELLOWS FALLS-RUTLAND ROAD

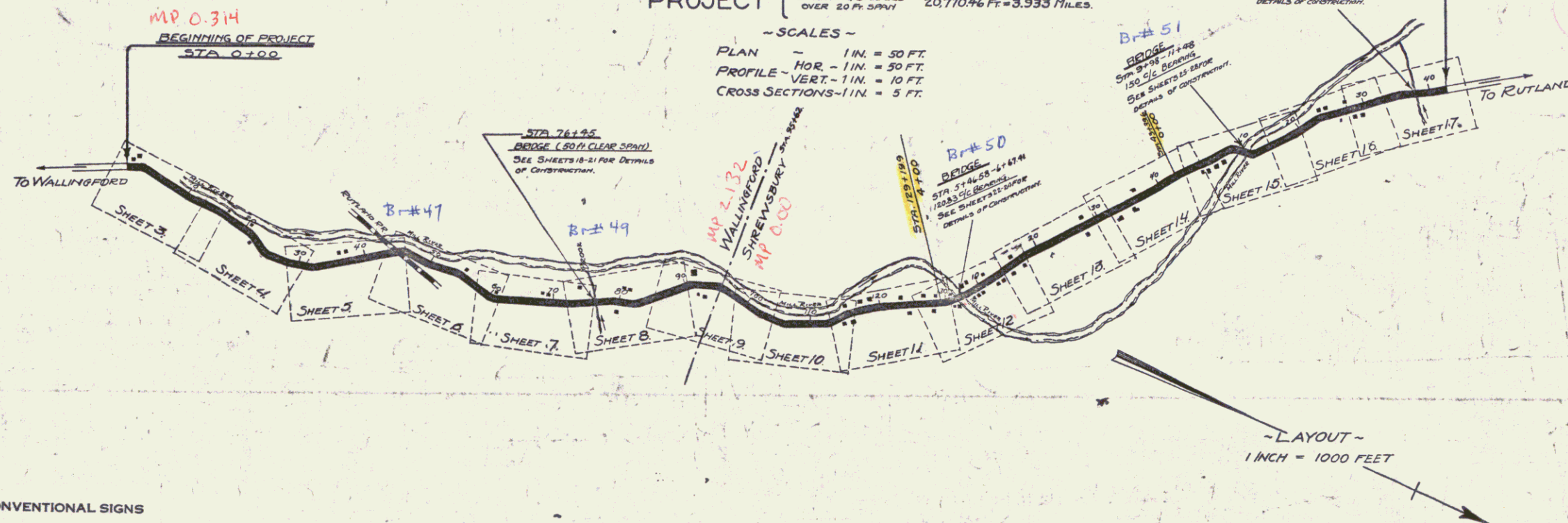
FROM A POINT OPPOSITE FARMHOUSE
OF H.C. PELKEY NORTH-WEST 4.0 MILES

LENGTH OF PROJECT
INCLUDING BRIDGES OVER 20 FT. SPAN 21,107.3 Ft. = 3.997 MILES.
EXCLUDING BRIDGES OVER 20 FT. SPAN 20,770.46 Ft. = 3.933 MILES.

~ SCALES ~
PLAN 1 IN. = 50 FT.
PROFILE - HOR. - 1 IN. = 50 FT.
VERT. - 1 IN. = 10 FT.
CROSS SECTIONS - 1 IN. = 5 FT.



SCALE - 1 INCH = 4 MILES



RIGHT-OF-WAY DIVISION
TOWN FILE
PERPETUAL
Town of UT 103
(To Be Returned To R.O.W. Division)

THE LINE AND CROSS SECTIONS
FOR THIS PROJECT WERE TAKEN DURING
THE WINTER AND BEFORE ANY
TEMPORARY REPAIR WAS DONE.
QUANTITIES WILL BE DEPENDENT
ON NEW CROSS SECTIONS TAKEN DURING
STAKING OUT OF PROJECT.

APPROVED: May 25, 1928
H. E. Sargent
CHIEF ENGINEER
SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD
May 15, 1928
E. B. Allen
COMMISSIONER OF HIGHWAYS.

CONVENTIONAL SIGNS	
COUNTY LINE	GROUND ELEVATION
TOWN LINE	GRADE ELEVATION
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.

THIS PROJECT TO BE CONSTRUCTED IN ACCORDANCE
WITH STANDARD SPECIFICATIONS ON FILE WITH THE
U.S. BUREAU OF PUBLIC ROADS AS APPROVED JULY 2, 1926.

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

Pin # 00R119
Route VT 103
Date 5/25/1928

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

SERIES F. No. 1104 FILED
SHEET 1 OF 64

ON RIGTH

Sta. 21+45	to	Sta. 21+69	Length	24 ft.
" 23+13	"	" 23+37	"	24 "
" 25+88	"	" 30+00	"	12 "

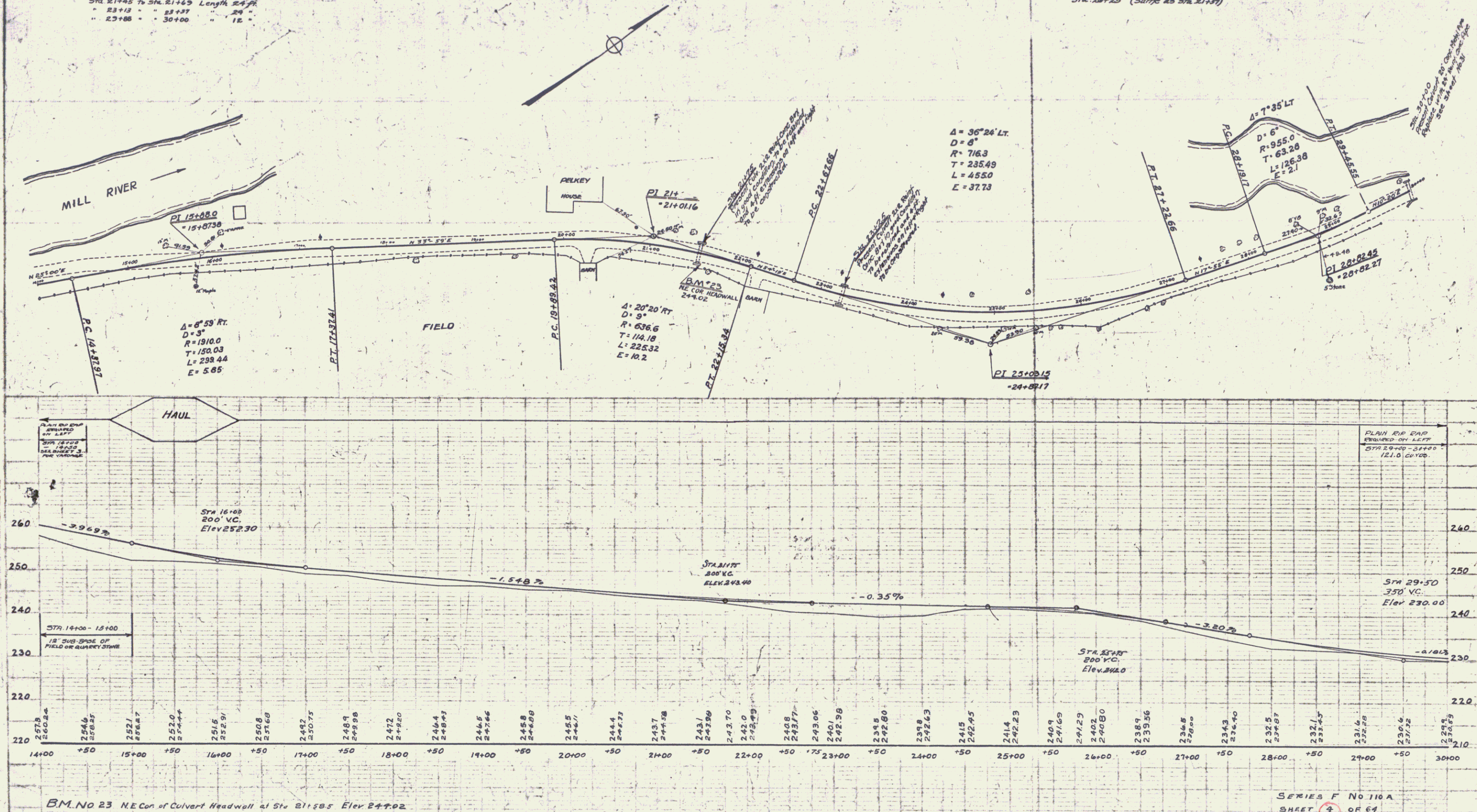
Sta. 23+12 to Sta. 26+96 Length 384 ft.
 " 29+50 " " 30+00 " 50 "
 " 14+00 " " 14+55 " 55 "

Sta. 30+00 24" Reinf. Conc. Pipe Culvert
Concrete Class A (1-2-4)
Reinforcing Steel

Sta. 21+57 - Extensions of barrel to
be constructed on left and right.
Concrete Class A (104) 4.6 Cu. yds.
Reinforcing Steel 281 lbs.

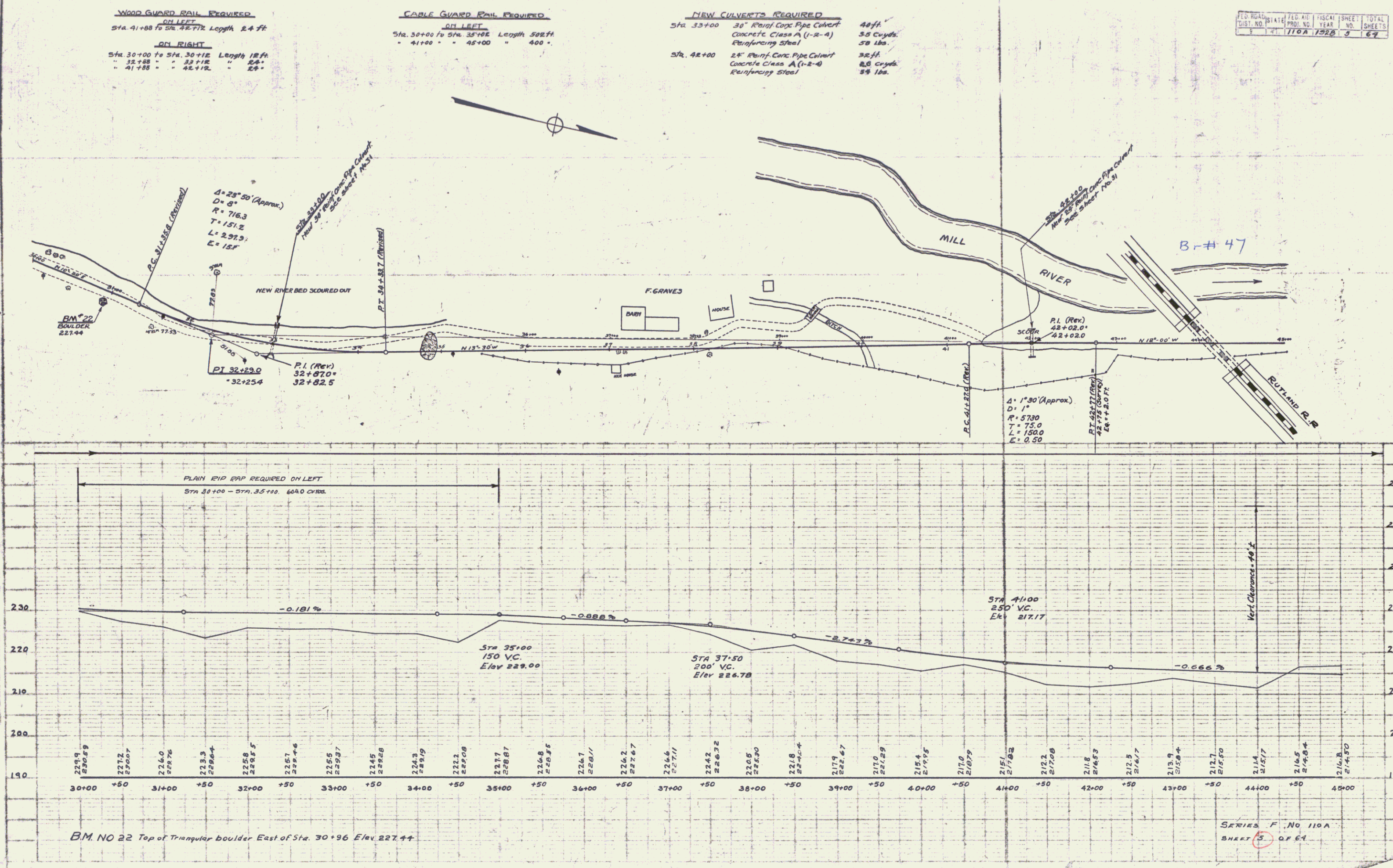
Sta. 23+25 (same as Sta. 21+57)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VI.	110A	1928	4	64



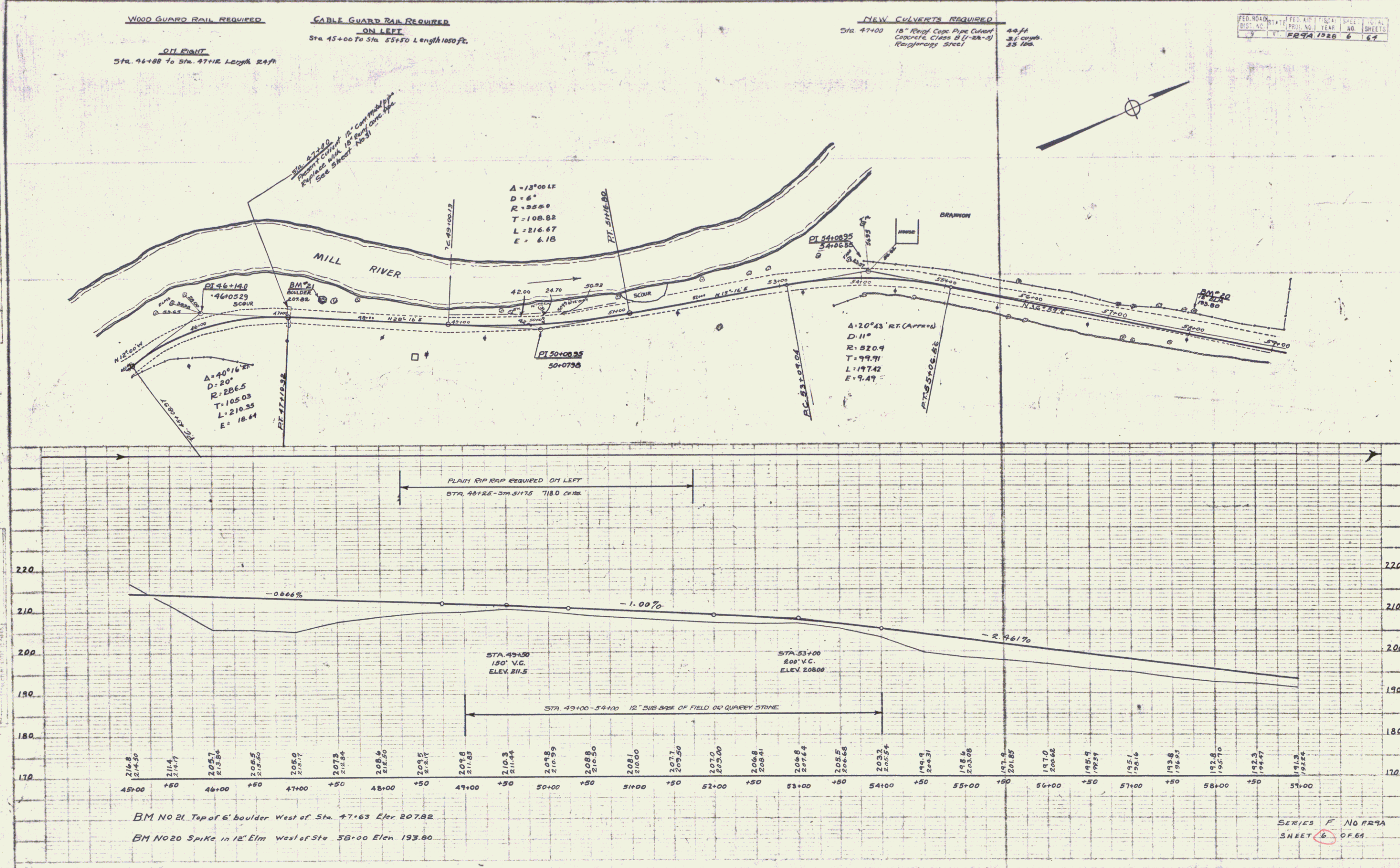
[illegible]

1920
1920
PUTMAN
A.D. 1920



PLAN
 DATE 12-1-26
 BY J. H. WOOD
 CHECKED BY J. H. WOOD
 NO. 1

PLAN
 DATE 12-1-26
 BY J. H. WOOD
 CHECKED BY J. H. WOOD
 NO. 1



FED. ROAD DIST. NO.	STATE	FED. AID YEAR	SHEET NO.	TOTAL SHEETS
7	PA	1926	6	67

SERIES F NO. 29A
 SHEET 6 OF 64

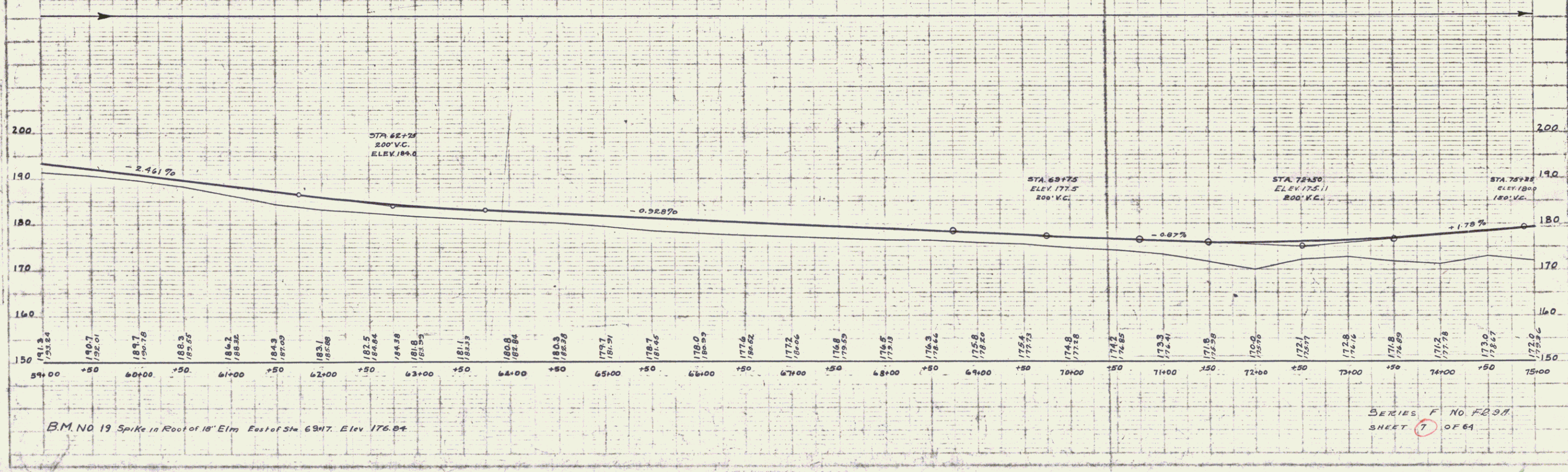
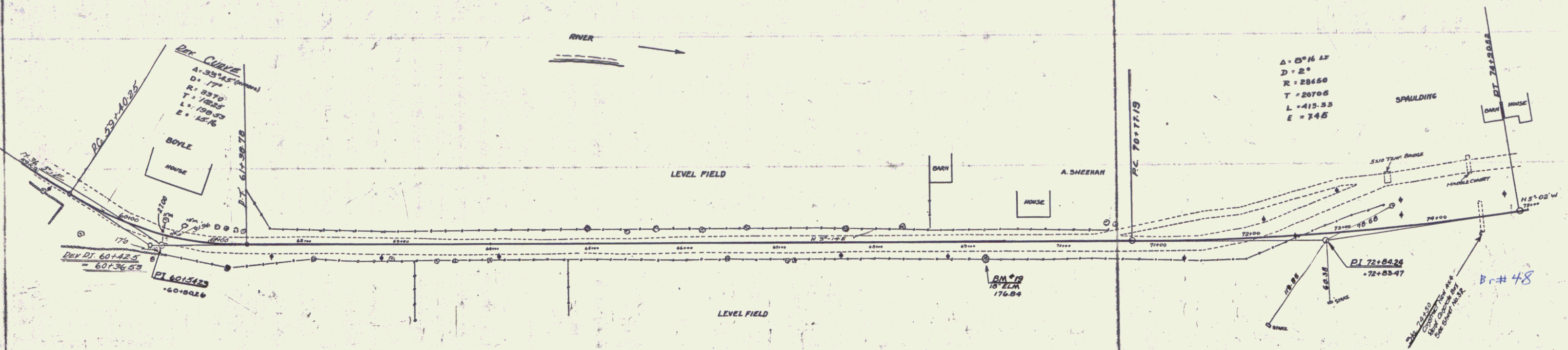
PLAN
 DATE 10-1-28
 BY J. H. M.
 CHECKED BY J. H. M.
 APPROVED BY J. H. M.

PROJ. NO. 1028
 A.D. 1928
 SHEET 7 OF 64

CABLE GUARD RAIL REQUIRED
ON LEFT
 Sta. 72+20 to Sta. 75+00 Length 280 ft.
ON RIGHT
 Sta. 71+40 to Sta. 75+00 Length 360 ft.

NEW CULVERTS REQUIRED
 Sta. 74+50 to Sta. 75+00 Length 50 ft.
 Concrete Class A (1-2-4) 21.8 Cu Yds.
 Reinforcing Steel 1408 Pounds

FED. ROAD DIST. NO. 1028 STATE 1928 YEAR 1928 SHEET 7 OF 64



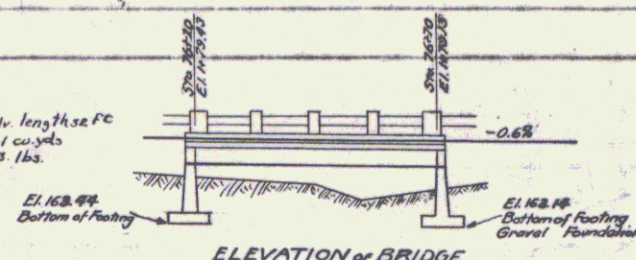
SERIES F NO. 1028
 SHEET 7 OF 64

6

Wood Guard Rail Required
ON LEFT
 Sta. 83+65 to 83+87 Length 22 ft
On Right
 Sta. 83+63 to 83+87 Length 24 ft.

Cable Guard Rail Required
ON LEFT
 Sta. 75+00 to Sta. 79+00 Length 400 ft
ON RIGHT
 Sta. 75+00 to Sta. 79+00 Length 400 ft

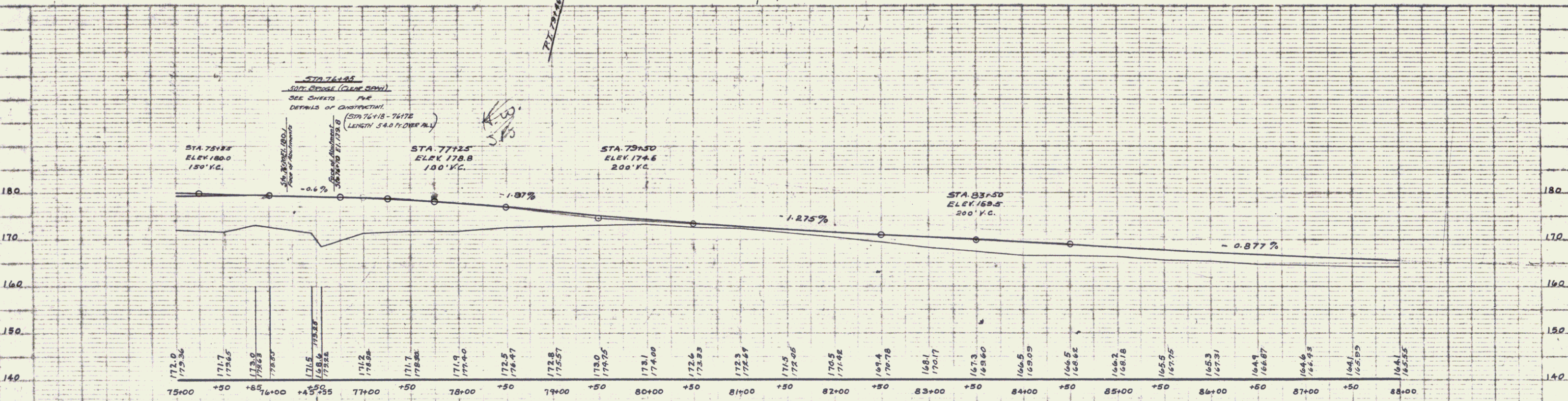
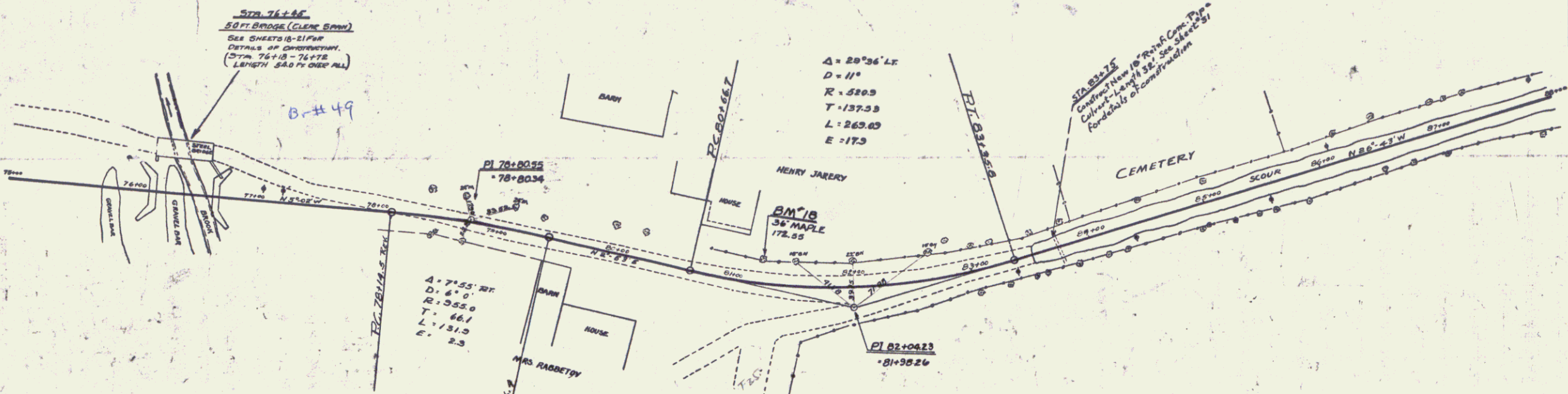
New Culvert Required
 Sta. 83+75 18" R.C. Pipe Culvert length 150 ft
 Conc. Class A (1-2-4) 3.1 cu yds
 Reinforcing steel 33 lbs.



ELEVATION OF BRIDGE
 For this bridge use the following sheets:
 Sheet 3A R-10 Square
 S.T.B. 20-50
 Std. Cable Rail Sheet-6B5
 S.B.2 Standard Sheet

PED. ROAD	STATE	FED. NO.	LEAF	SHEET NO.	TOTAL SHEETS
9	VT	110A	192B	8	64

ESTIMATED QUANTITIES	
Structure Excavation	250 Cu Yds
Concrete Class A (1-2-4)	78 Cu Yds
Concrete Class B (1-2-4-5)	146 Cu Yds
Reinforcing Steel	29,550 Lbs.



BM NO 18 Spike in 36" Maple West of Sta 84+85 Elev 172.55

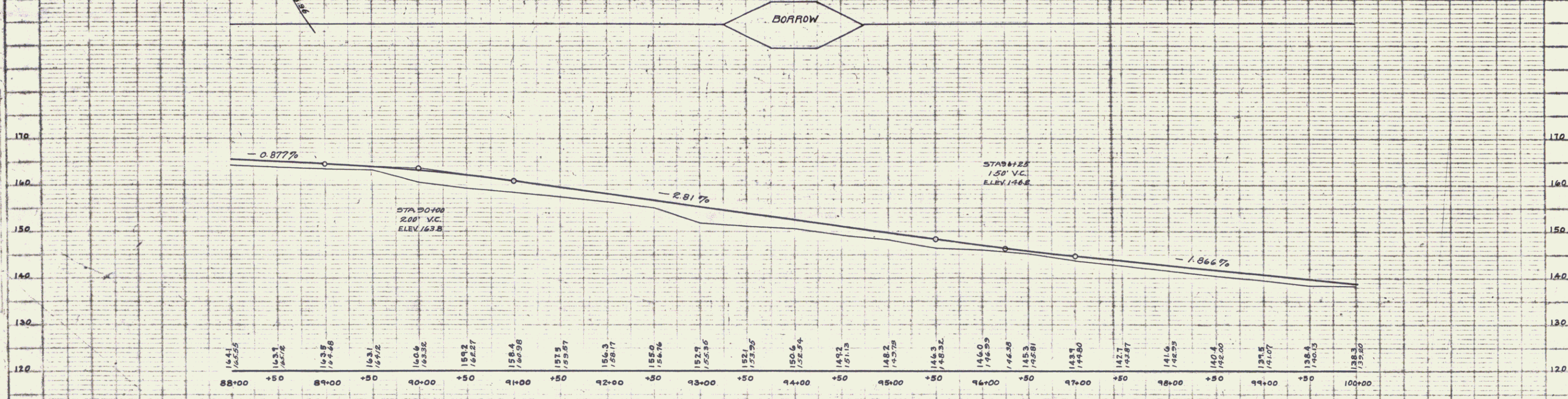
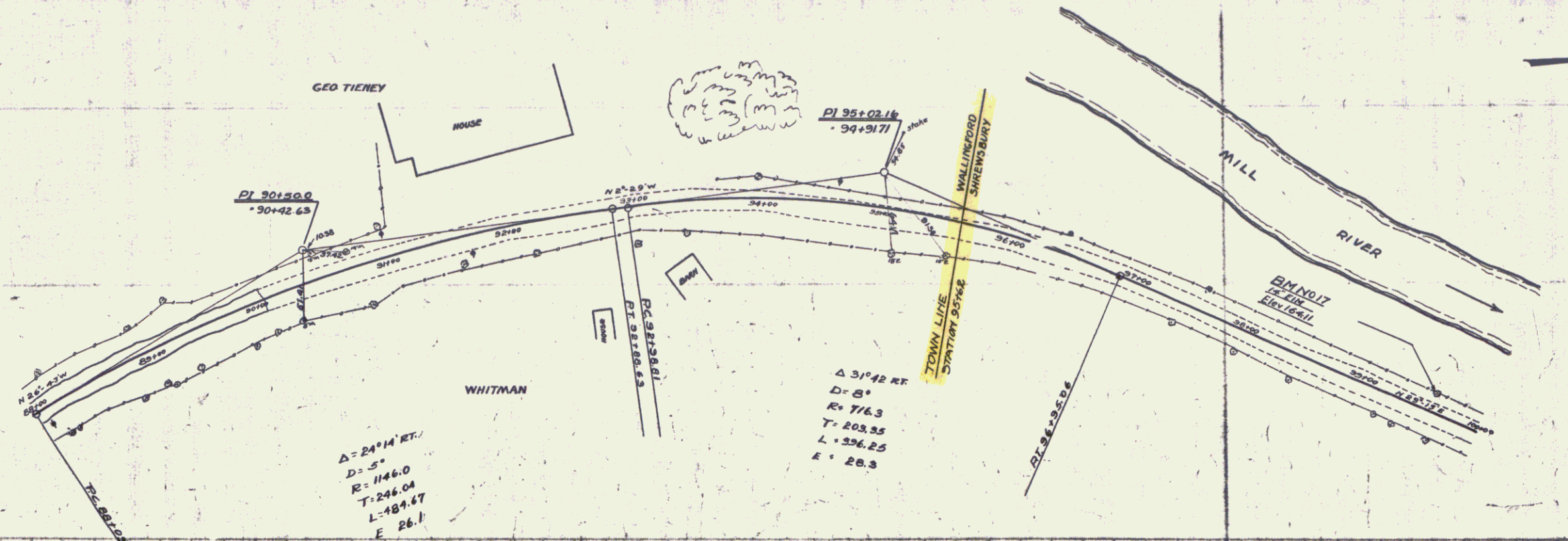
Sheet 6 of 7
 SERIES F NO 110A
 SHEET 8 OF 64

PLAN
 PUTMAN
 A.D. WOOD

PLAN
 PUTMAN
 A.D. WOOD

PLAN
 REVISIONS
 PUTNAM
 ADWOOD
 DATE
 BY
 CHECKED
 DATE

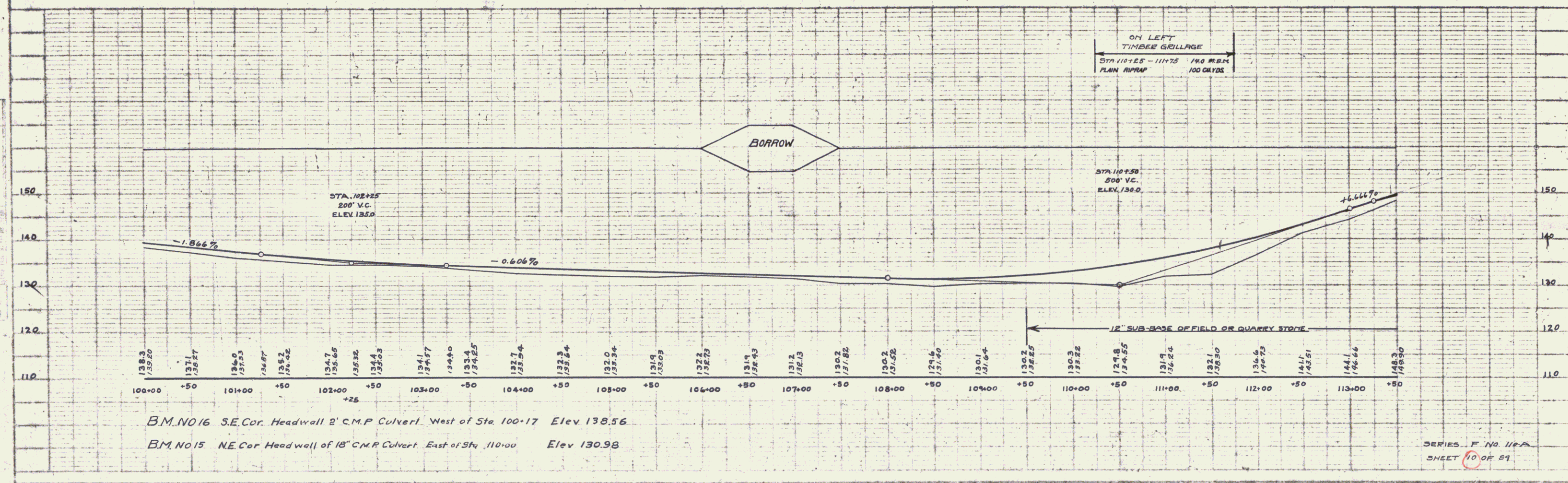
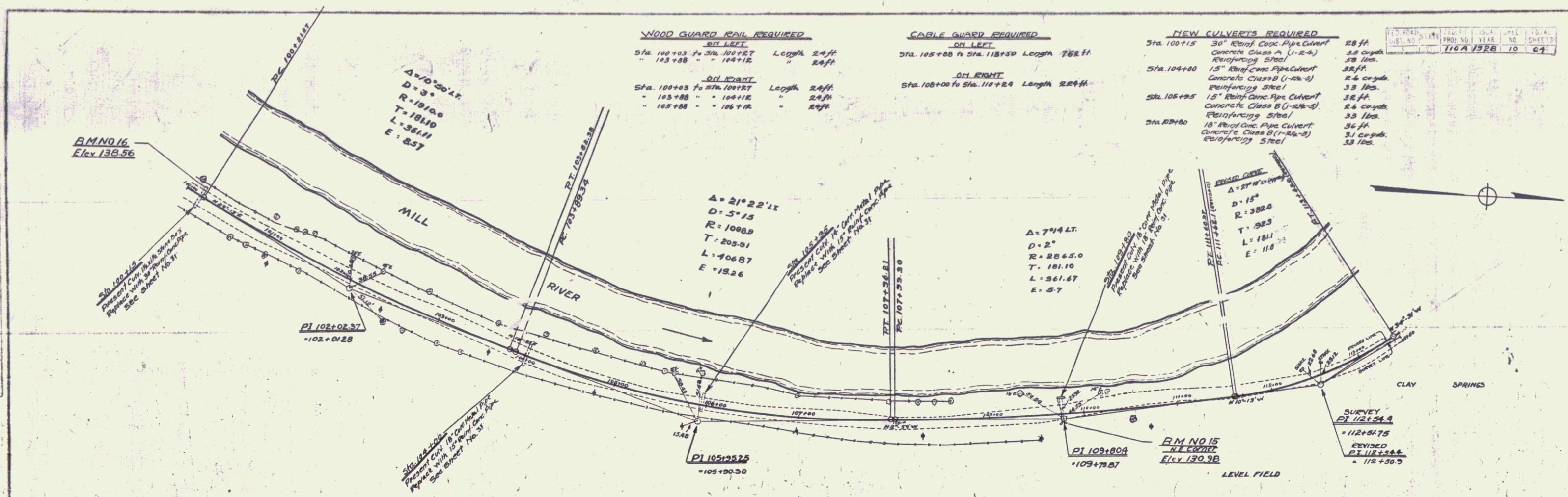
SECTION
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 CHECKED
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B.M. N017 Spike in 14" Elm West of Sta 99+59 Elev 164.11 50' South of Nickols & Barney Sign

PLAN
BUTNAM
AD WOOD

PLAN
BUTNAM
AD WOOD



B.M. NO 16 S.E. Cor. Headwall of 2' C.M.P. Culvert West of Sta. 100+17 Elev 138.56
B.M. NO 15 N.E. Cor. Headwall of 18" C.M.P. Culvert East of Sta. 110+00 Elev 130.98

SERIES F No. 112A
SHEET 10 OF 59

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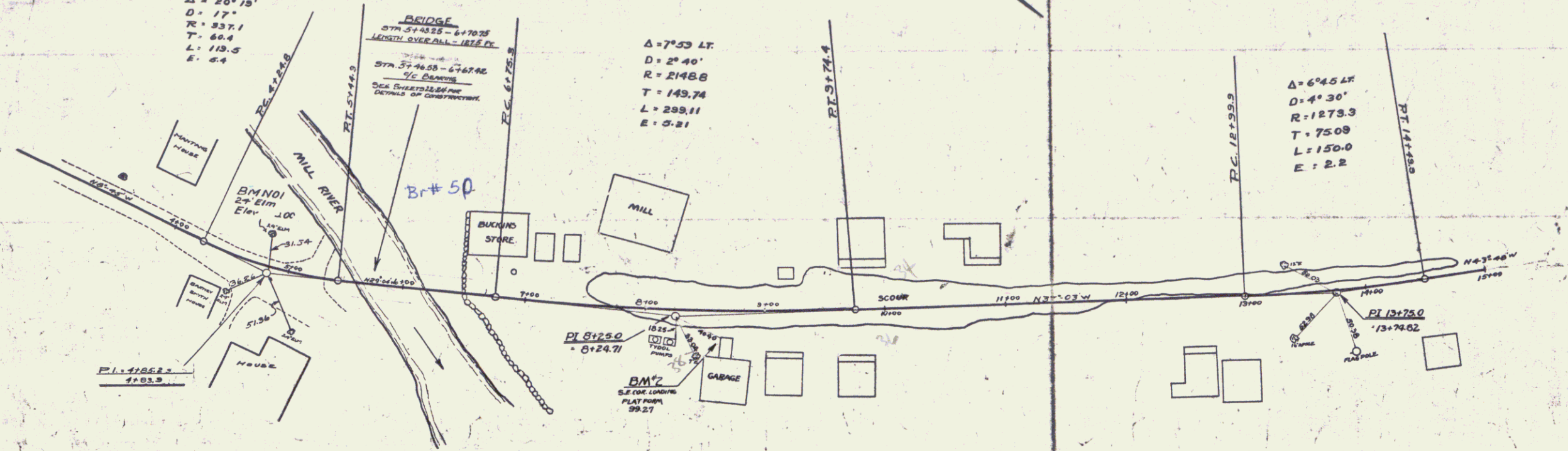
WOOD GUARD RAIL REQUIRED
 ON LEFT
 Sta 5+10 to Sta 5+34 Length 24 ft
 ON RIGHT
 Sta 5+35 to Sta 5+60 Length 24 ft
 Sta 6+29 to Sta 7+00 Length 71 ft

$\Delta = 20^\circ 15'$
 $D = 17'$
 $R = 837.1$
 $T = 66.4$
 $L = 110.5$
 $E = 6.4$

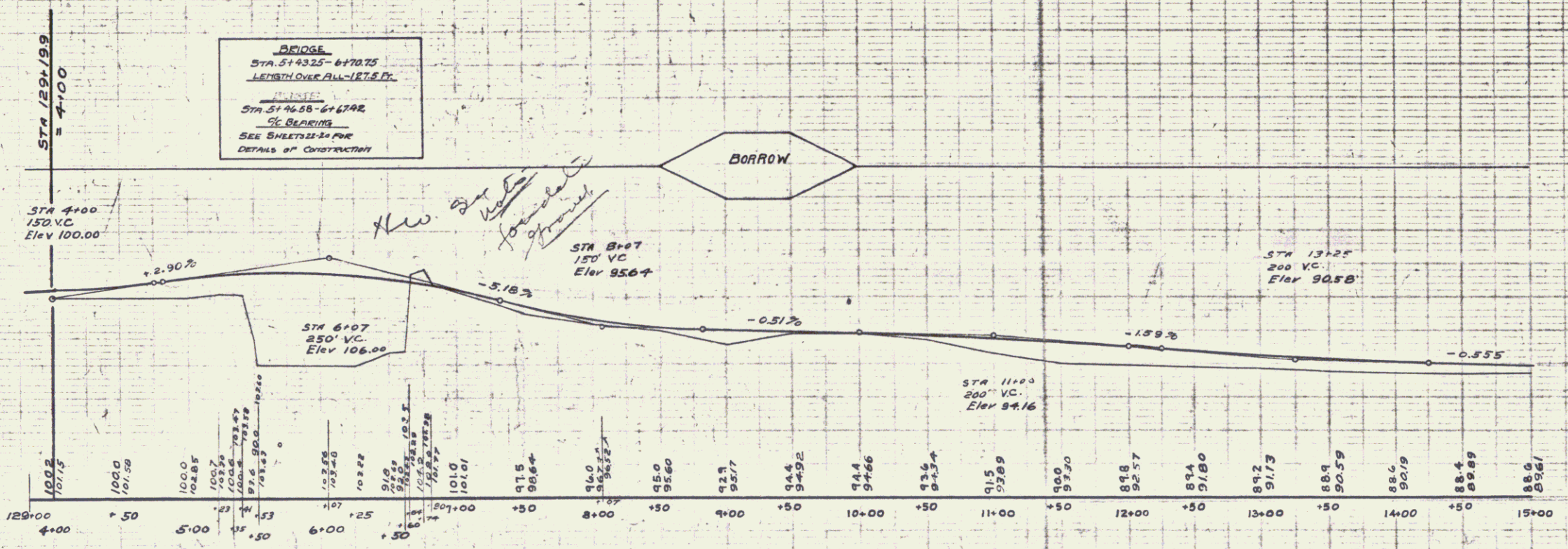
BRIDGE
 STA 5+43.5 - 6+70.5
 LENGTH OVER ALL - 127.0
 STA 5+43.5 - 6+70.5
 SEE SHEETS 12-13 FOR
 DETAILS OF CONSTRUCTION

$\Delta = 7^\circ 53' \text{ LT.}$
 $D = 2^\circ 40'$
 $R = 2148.8$
 $T = 149.74$
 $L = 299.11$
 $E = 5.21$

$\Delta = 6^\circ 45' \text{ LT.}$
 $D = 4^\circ 30'$
 $R = 1273.3$
 $T = 75.09$
 $L = 150.0$
 $E = 2.2$



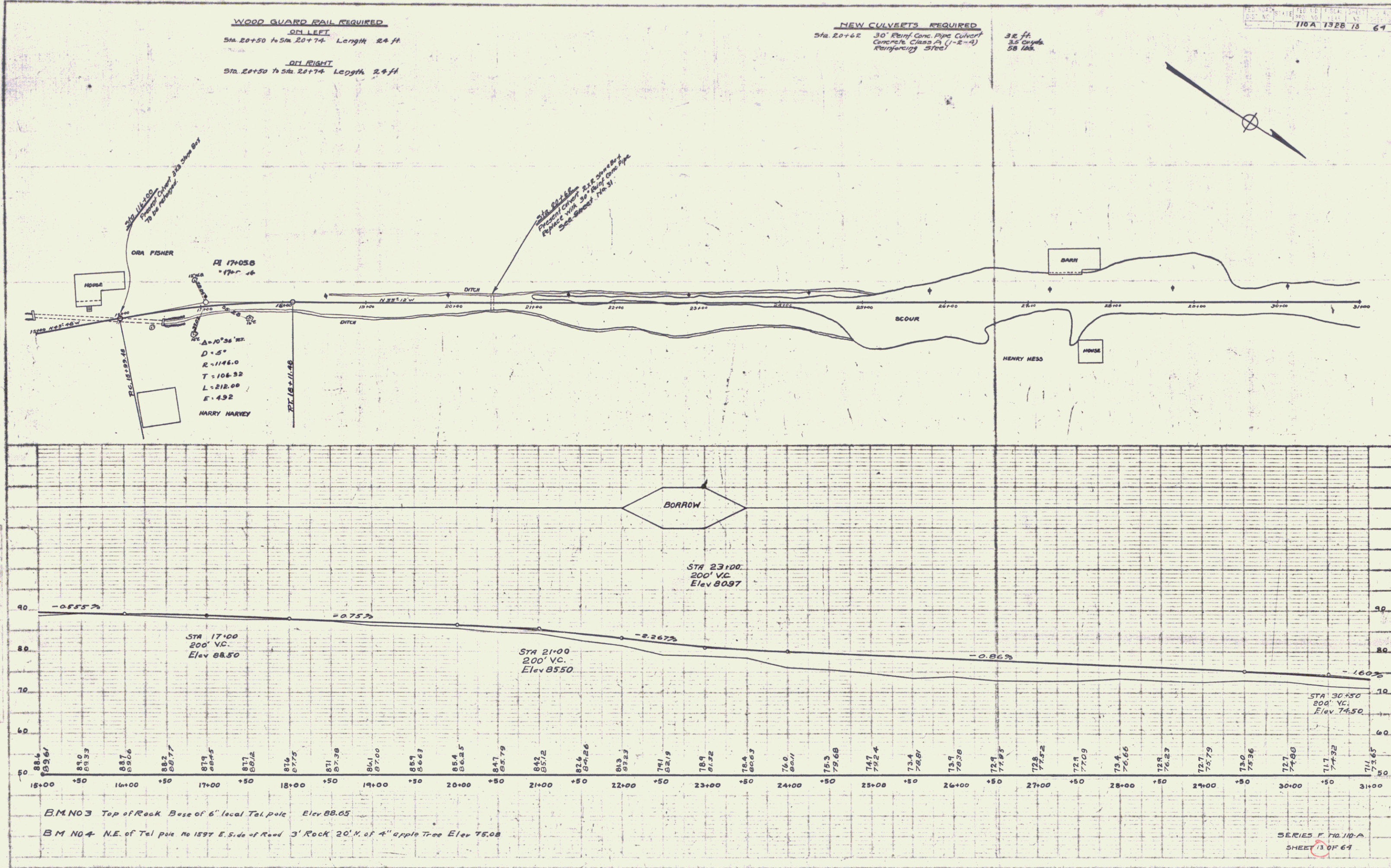
BRIDGE
 STA 5+43.5 - 6+70.5
 LENGTH OVER ALL - 127.0
 STA 5+43.5 - 6+70.5
 SEE SHEETS 12-13 FOR
 DETAILS OF CONSTRUCTION

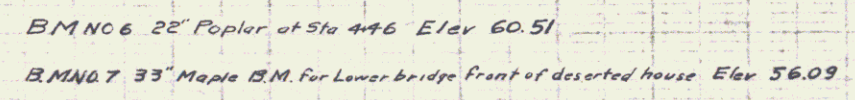
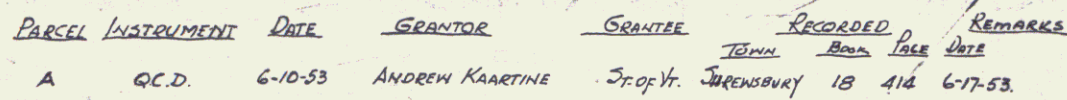


BMND1 2" Elm at E. End Temp. Bridge at Sta. 5+38 Elev 100.00
 BMND2 S.E. Cor. Concrete Platform for Service Station East of Sta. 8+63 Elev 99.27

PUTMAN
A.D. WOOD

PUTMAN
A.D. WOOD

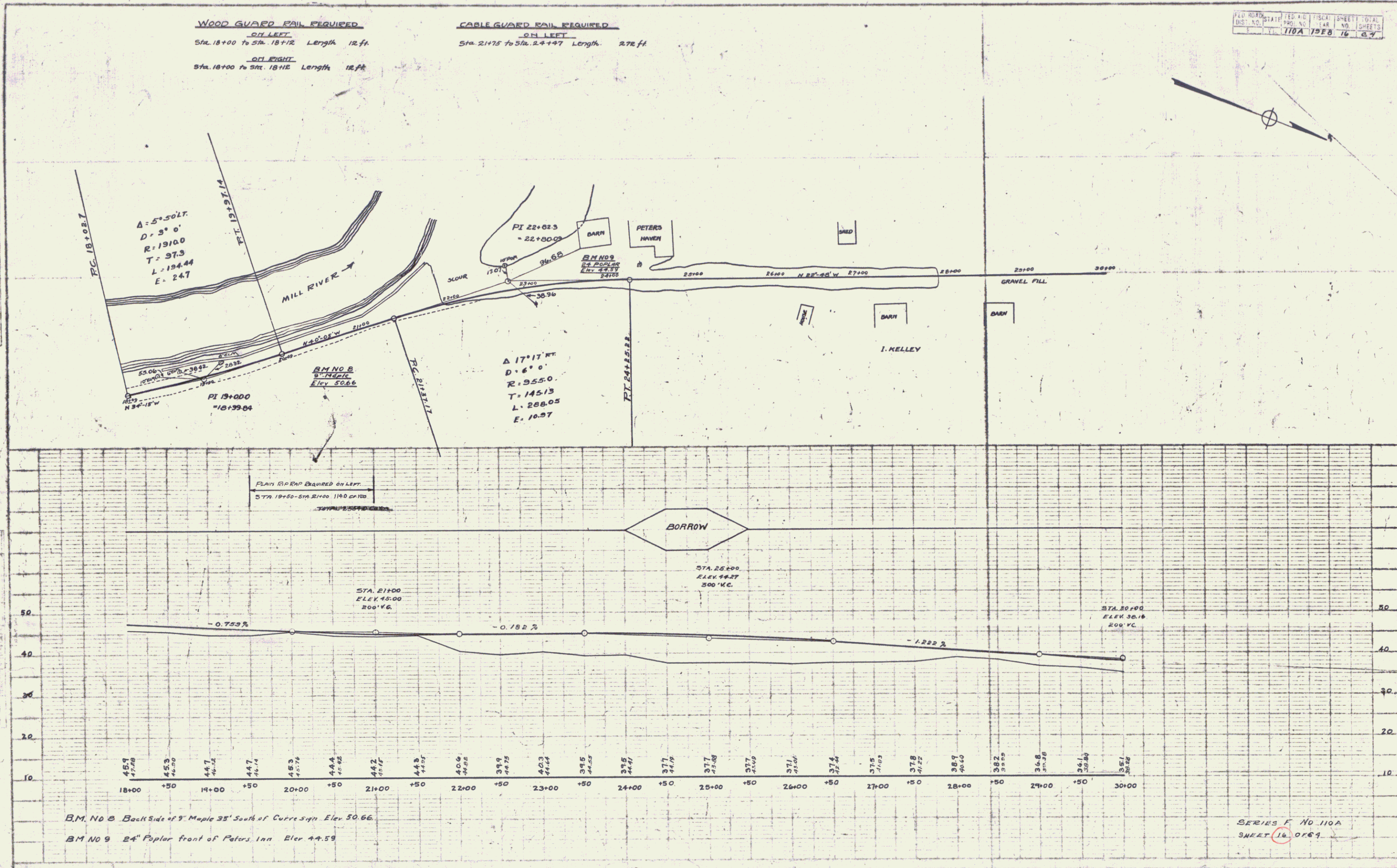




PLAN
 170A
 1928
 16

PROFILE
 170A
 1928
 16

FED. ROAD DIST. NO. 170A STATE 170A FISCAL YEAR 1928 SHEET 16 OF 16



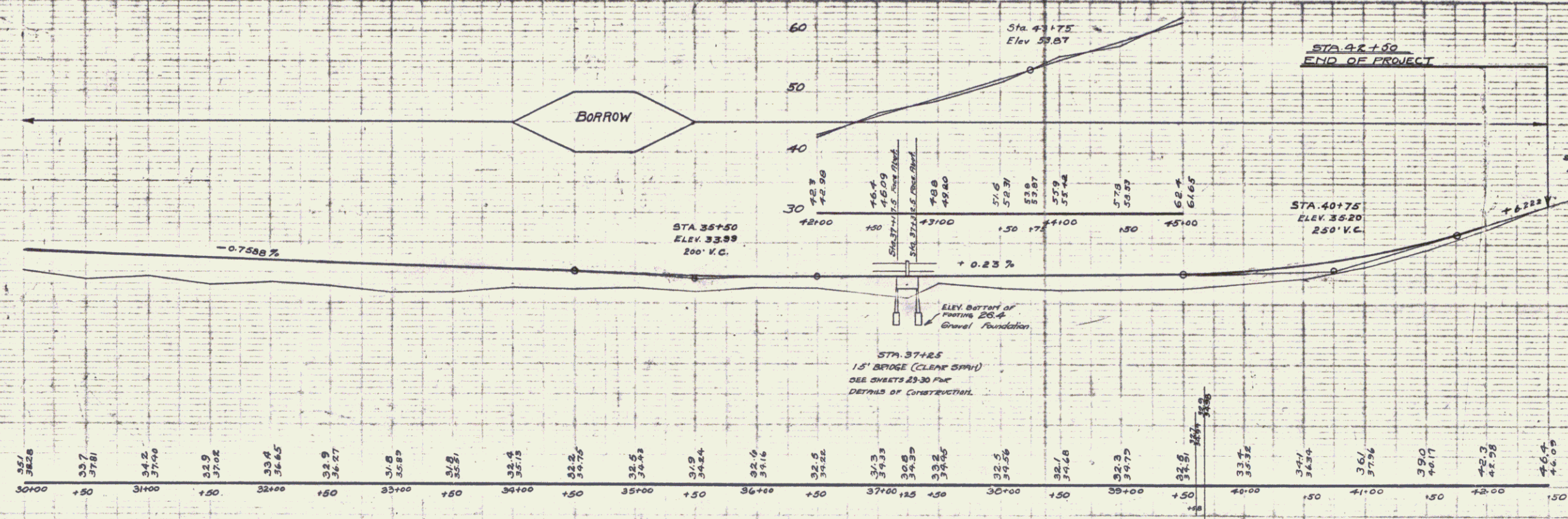
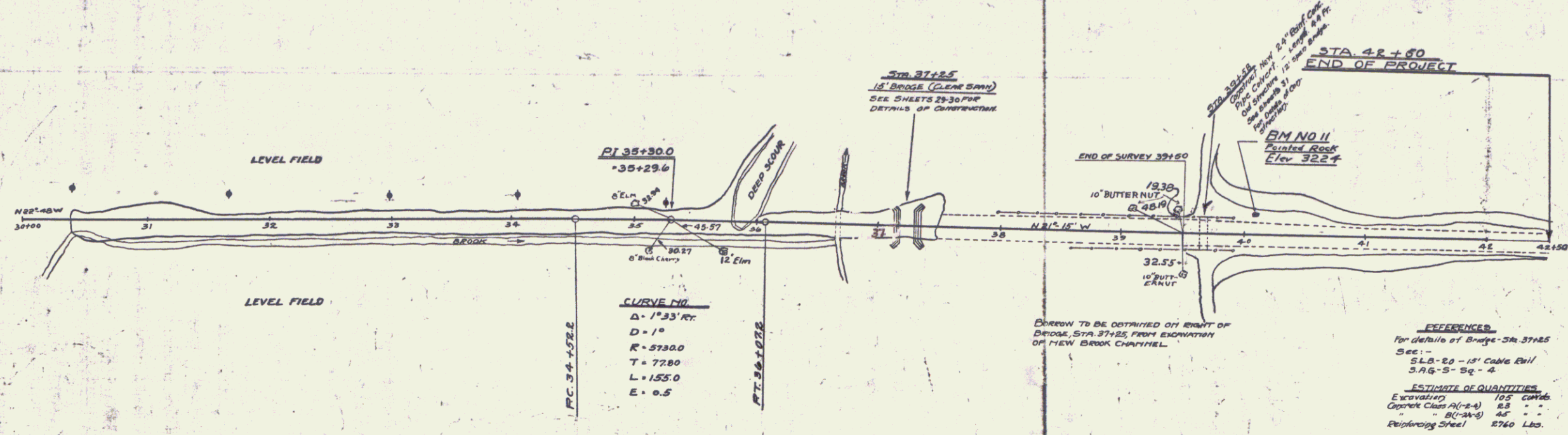
PLAN
RUTHMAN
ADWOOD

PLAN
RUTHMAN
ADWOOD

CABLE GUARD RAIL REQUIRED
ON LEFT
 Sta. 36+22 to Sta. 36+94 Length 72 ft
 " 37+06 " " 41+46 " 440 ft
ON RIGHT
 Sta. 37+42 to Sta. 36+94 Length 148 ft
 " 37+06 " " 41+46 " 440 ft

NEW CULVERTS REQUIRED
 5m 39+58 24" Rupt. One Pipe Culv. Length 44 ft
 Cooper's Class (A-2-4) 2.6 cfm
 Requiring 51 lbs.

FED. ROAD DIST. NO. 118-A 1926 17 0-7



BM No 10 12" Elm 30' N. of Tel. pole No 1634 Elev 36.90
 BM No 11 25' S. of Tel. pole No 1640 Pointed Rock at Foot of Slope Elev 32.24
 BM No 12 E. Side Rd Rock in Slope at base of 4" Black Cherry at gravel hole Elev 54.44

SERIES F No 118-A
 SHEET 11 OF 64

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