

INDEX OF SHEETS

SHEET NO.	TITLE PAGE
" "	" 2 TYPICAL CROSS-SECTION OF IMPROVEMENT (MADE IN PLACE SURFACE)
" "	" 3 DETAILS OF CONSTRUCTION SHEET (SPECIAL 3-WAY SHEET)
" "	" 4-20 LAYOUTS
" "	" 21-22 NOT USED IN PROJECT
" "	" 23 STANDARD STRUCTURE SHEET 3-20 (PIPE CULVERTS)
" "	" 24 STANDARD STRUCTURE SHEET 3-21 (BOX CULVERTS)
" "	" 25 STANDARD STRUCTURE SHEET 3-23 (BOARD WALK)
" "	" 26-34 CROSS-SECTIONS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	120A	1931	1	54

STATE OF VERMONT
STATE HIGHWAY DEPARTMENT

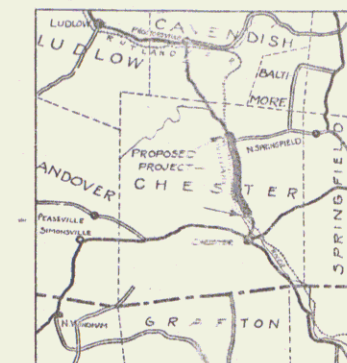
PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

FEDERAL AID PROJECT

TOWN OF CHESTER

LUDLOW - CHESTER ROAD

FROM GASSETTS OVERPASS SOUTH 4.1 MILES
TO A POINT 2960 FT. ±, NORTH OF THE CHESTER DEPOT BRIDGE
LENGTH OF PROJECT 21619.9 FT. = 4.095 MILES



SCALE 1 INCH = 4 MILES

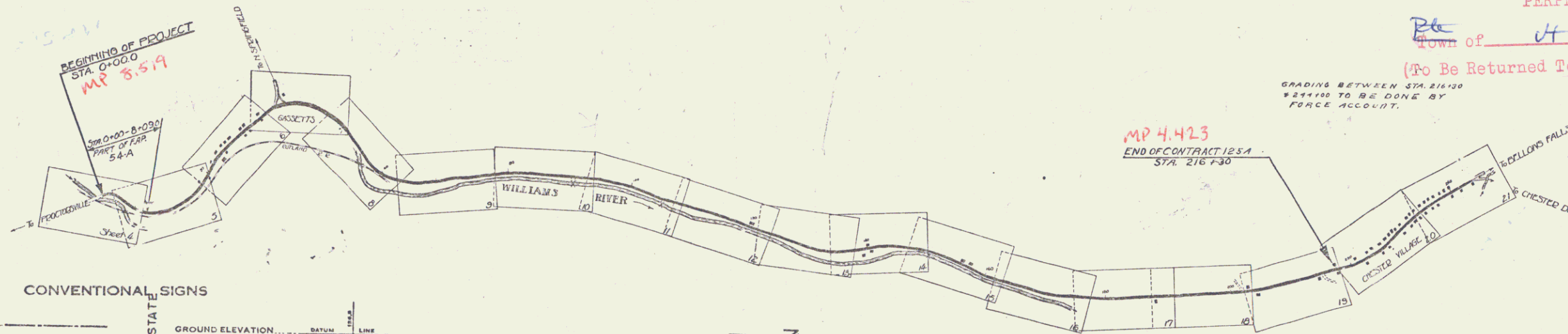
RECORD PLANS

RIGHT-OF-WAY DIVISION
TOWN FILE

PERPETUAL

Town of 4103

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



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	BATH	LINE
GRADE ELEVATION	BATH	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.	

SCALES

TITLE PAGE	1" = 1000'
LAYOUTS	1" = 30'
PROFILE	1" = 10'
SECTIONS	1" = 5'

These plans subject to such revisions as may be required by the Bureau of Public Roads or the Chief Engineer.

APPROVED: W. H. Huggins
COMMISSIONER OF HIGHWAYS

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

Pin # 00R131

Route VT103

Date 3/22/1931

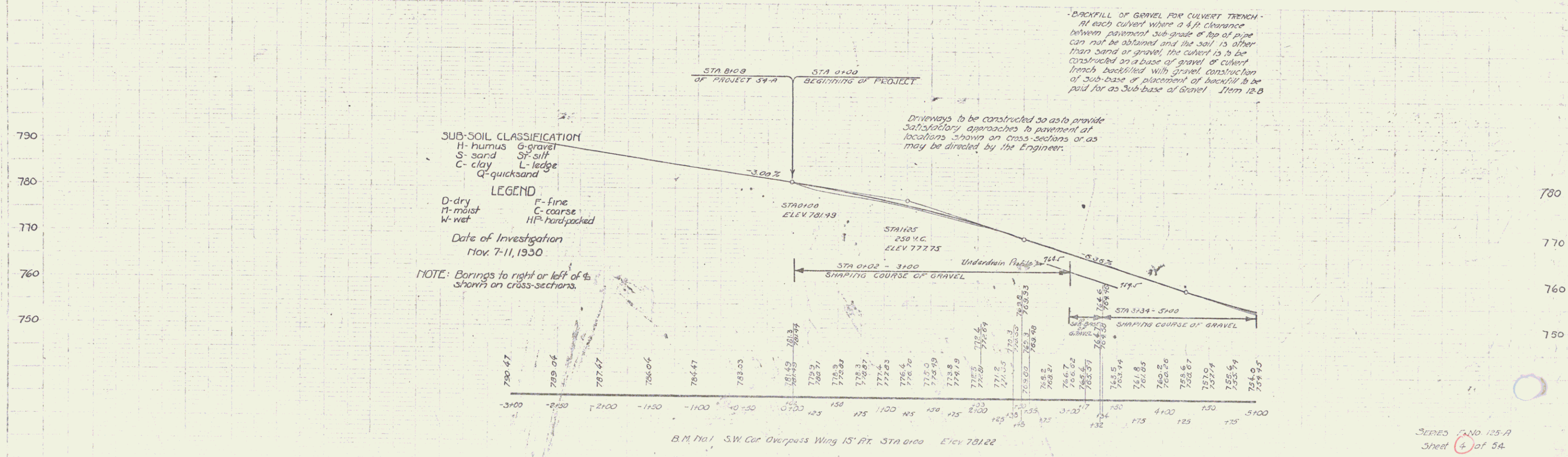
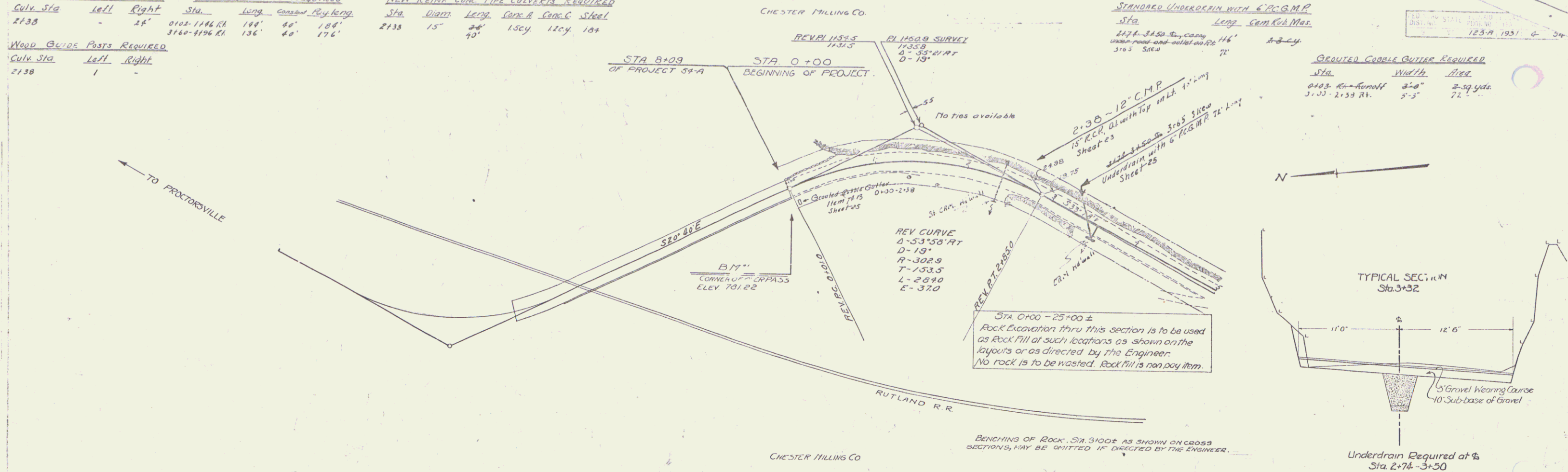
RECOMMENDED	
DISTRICT ENGINEER	
BUREAU OF PUBLIC ROADS	
RECOMMENDED FOR APPROVAL	
CHIEF ENGINEER	
APPROVED	
DIRECTOR - BUREAU OF PUBLIC ROADS	

CORRECT
ROAD ENGINEER

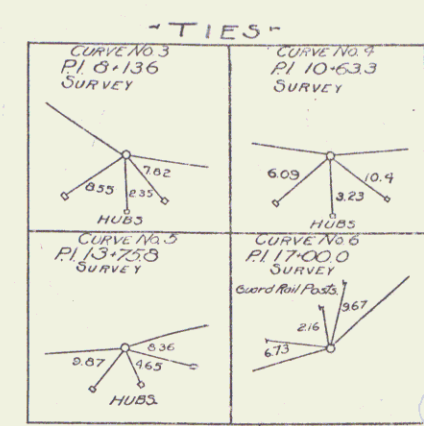
SERIES F. NO. 120A FILED
SHEET 1 OF 54

WOOD GUARD RAIL REQUIRED			CABLE GUARD RAIL REQUIRED			NEW REIN. CONC. PIPE CULVERTS REQUIRED		
Culv. Sta.	Left	Right	Sta.	Long.	Coarse Ry. Long.	Sta.	Diam.	Long.
2138	-	18'	0102-1146 RL	144'	40'	184'	2138	15"
			3160-3196 RL	136'	40'	176'		70"

WOOD GUARD POSTS REQUIRED		
Culv. Sta.	Left	Right
2138	1	-



<u>DRY RUBBLE MASONRY WALL</u>	
<u>Stations</u>	<u>Volume</u>
8+40-9+90 R/L	38 cu.
10+70-13+00 R/L	60



WOOD GUARD RAIL REQUIRED

CULV. STA.	Left	Right
19+12	28'	24'
31+00	28'	29'

WOOD GUIDE POSTS REQUIRED

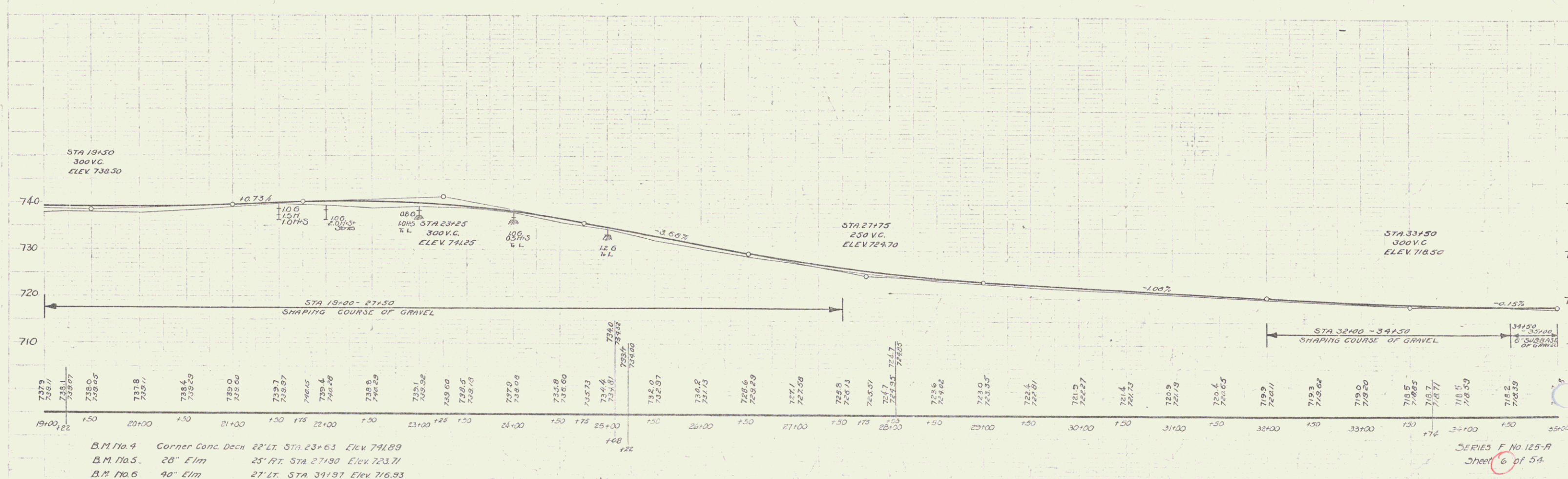
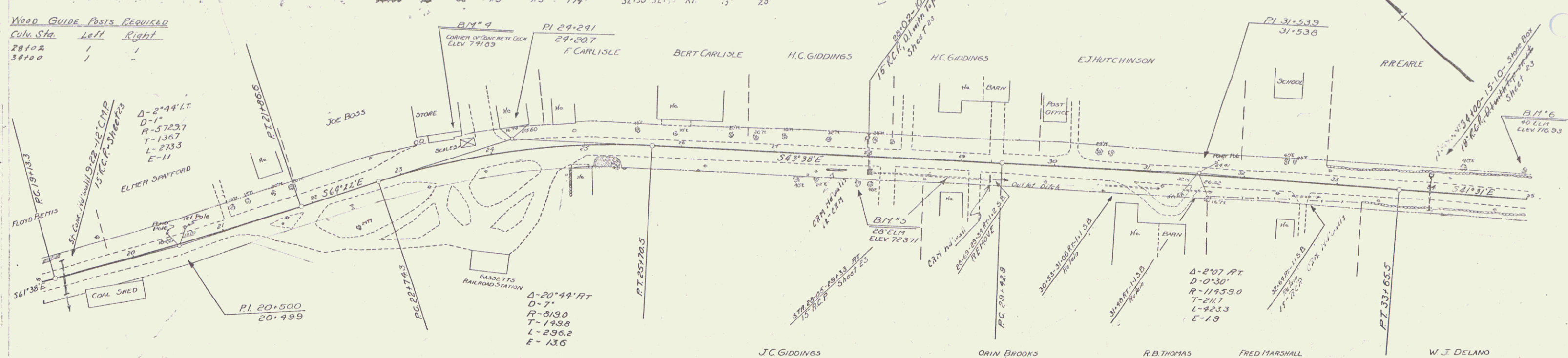
CULV. STA.	Left	Right
28+02	1	1
31+00	1	1

NEW REIN. CONC. PIPE CULVERTS REQUIRED

STA.	DIAM.	LONG.	CORC. R.	CORC. C.	SLOPE
19+12	15"	36'	1.364	33"	
28+02	14"	35'-00"	3004	34"	
31+00	14"	36'	1.5	35"	179'

NEW REIN. CONC. DRAINWAY PIPE CULV. REQUIRED

STA.	SIDE	DIAM.	LETH.	CORC. G.	STEEL	CRM
28+02	RT.	15"	130'	1.824	17483	
32+50	RT.	15"	20'			



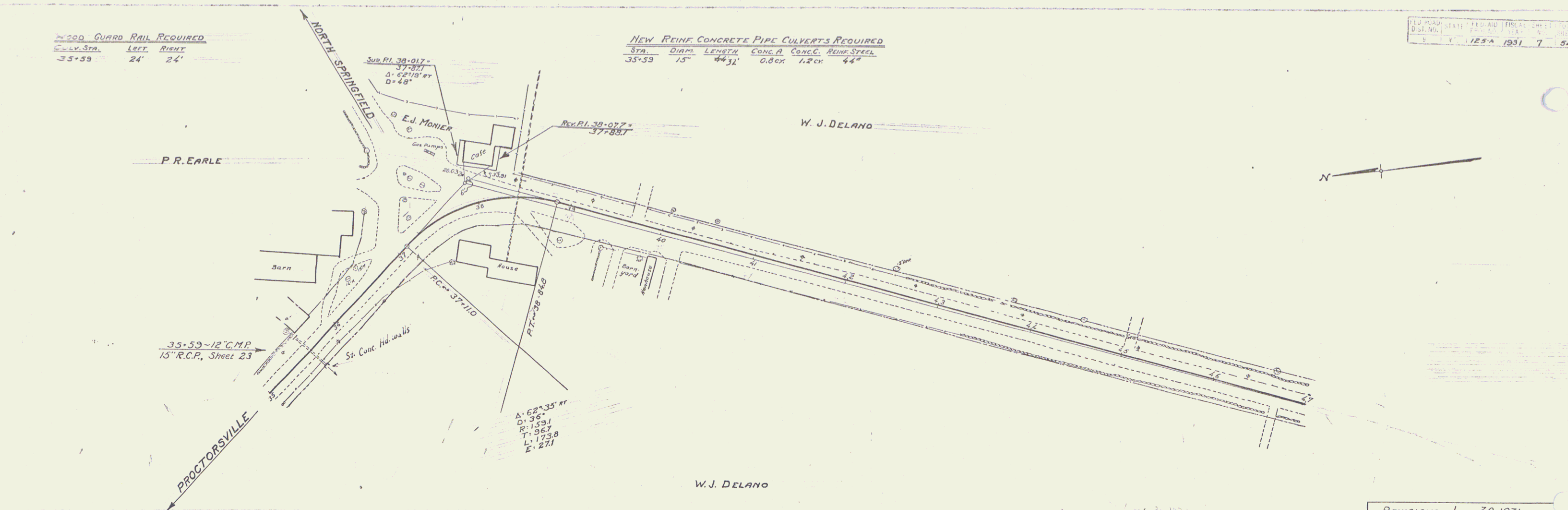
B.M. No. 4 Corner Conc. Dech 22' LT. STA 23+63 Elev 741.89
 B.M. No. 5 28' Elm 25' RT. STA 27+90 Elev 723.71
 B.M. No. 6 40' Elm 27' LT. STA 31+97 Elev 716.93

SERIES F No. 125-A
 Sheet 6 of 54

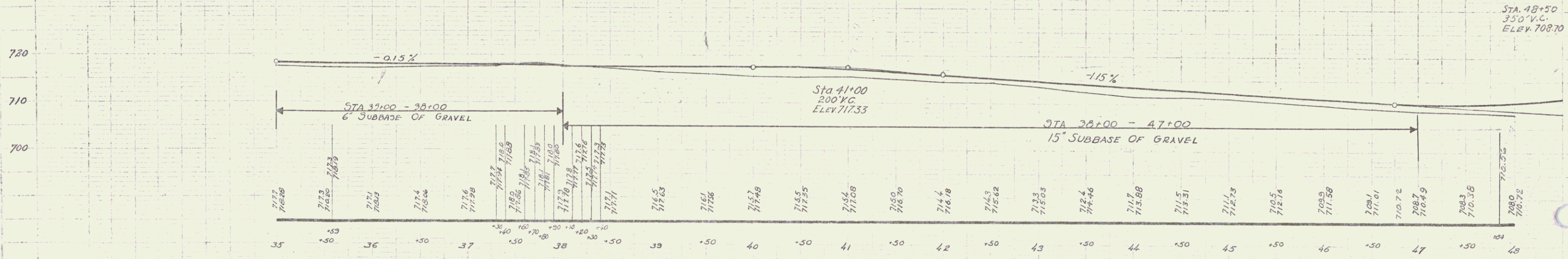
WOOD GUARD RAIL REQUIRED
 C.V. STA. LEFT RIGHT
 35+59 24' 24'

NEW REINF. CONCRETE PIPE CULVERTS REQUIRED
 STA. DIAM. LENGTH CONC. A. CONC. REIN. STEEL
 35+59 15" 31' 0.8 CY 1.2 CY 44"

125A 1931 7 54



REVISIONS - JUNE 30, 1931
 GRADE CHANGED
 38+00 - 48+00
 ORIG. PI AT 39+00 200' V.C. ELEV. 717.64
 " " 42+00 200' V.C. " 715.15
 ELEV. 48+00 708.73



SERIES F No 125A
 SHEET 7 OF 54

5

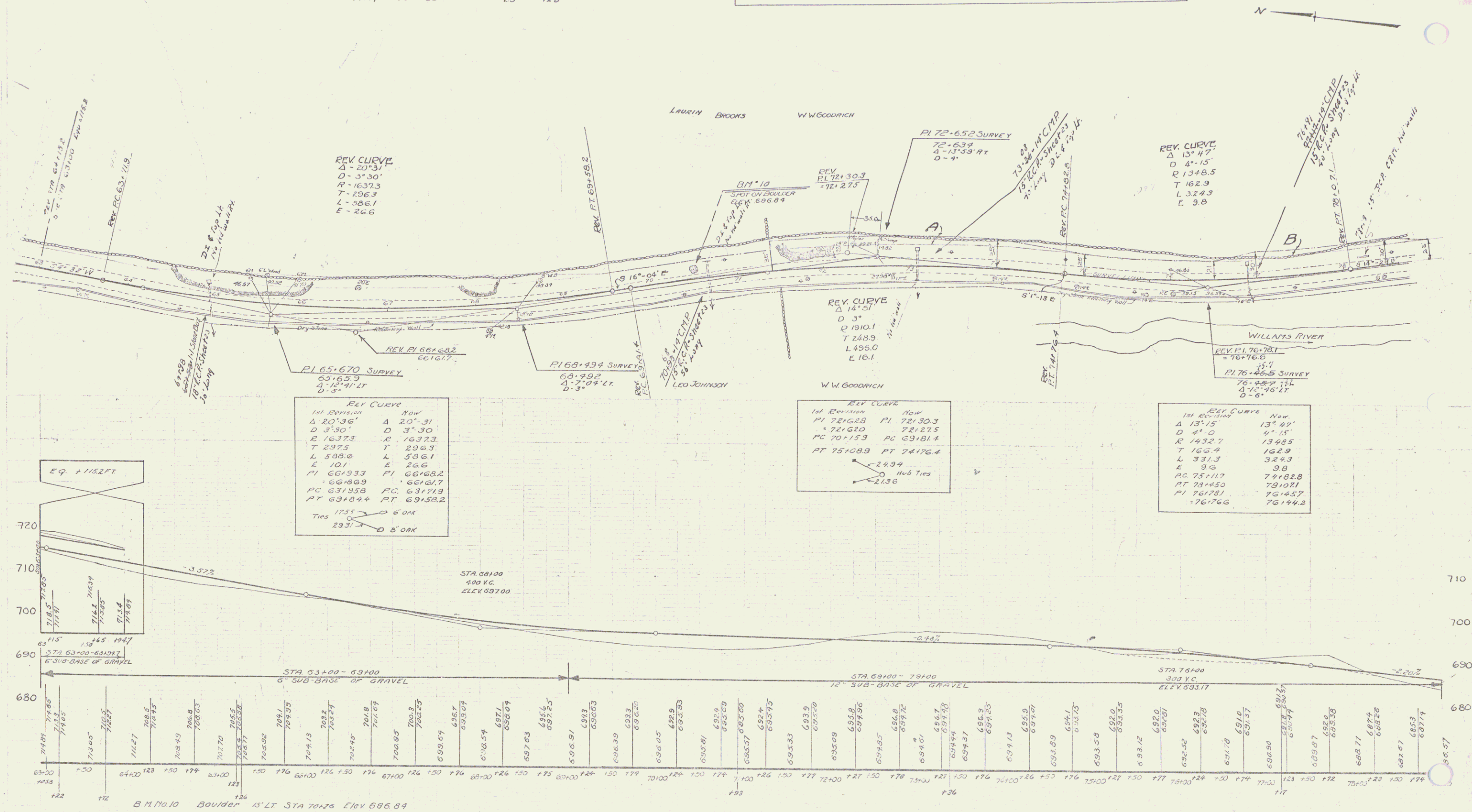
Wood Gravel Rail Required	Left	Right
65+23	28'	-
70+33	28'	-
73+36	28'	-
77+17	28'	28'

Cable Guard Rail Required	Left	Right
65+23 to 77+17	1098'	1128'

New Main Conc. Pipe Culverts Required	Sta.	Diem. Leng.	Cont. B	Cont. C	Steel
65+23	18' 60"	152y	-	cy	157'
70+33	15' 50"	-	23	-	33'
73+36	15' 36"	14	17	-	128'
77+17	15' 36"	-	23	-	128'

Parcel	Kind of Instrument	Date of Instrument	Grantor	Grantee	Recorded Chester	Book Page Date	Remarks
A&B	Q.C.D.	1-16-32	W.H. & M.B. Goodrich	Staff	32	5-6 1-16-32	

DATE	BY	REVISION	REMARKS
125-A	1981	9	54



SERIES F No. 125-A
Sheet 9 of 54

<u>NEW REINF. CONC. PIPE CULVERTS REQUIRED</u>					
<u>Sta</u>	<u>Diam. Leng.</u>		<u>Conc. A</u>	<u>Conc. C</u>	<u>Steel</u>
80+24	48"	36'	56cy.	-	138"
84+09	18"	40'	14	-	111"
86+05	18"	36'	-	3.0cy.	33"

NEW CORRUGATED GALV. METAL PIPE REQUIRED

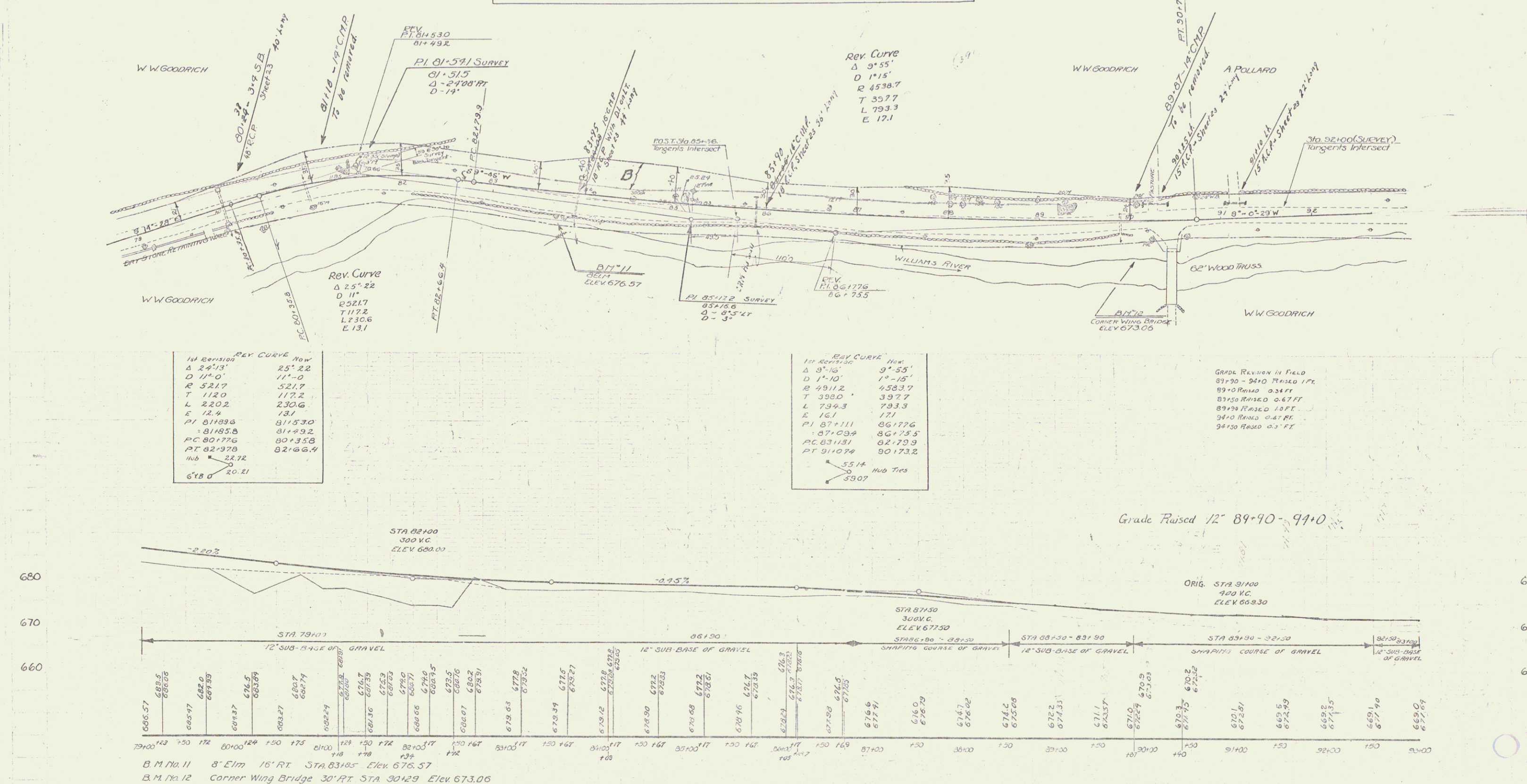
<u>Station</u>	<u>Diarm.</u>	<u>Length</u>
84+09	18"	12'

NEW PRIME CONC. DRIVEWAY PIPES REQUIRED

<u>Sta.</u>	<u>Diam.</u>	<u>Length</u>	<u>Com. Rub. Mas.</u>
90125 Lf.	15"	20'	2.6 c.y.
91110 Lf.	15"	22'	2.6

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOT. SHEET
9	Vt.	125-A	1931	10	54

Parcel	Kind of Instrument	Date of Instrument	Grantor	Grantee	Recorded Chester Beth Page	Date	Remarks
B	A.C.D.	1-16-32	W.W. & M.B. Goodrich	St. of Wt.	32	5-26	1-16-32



CABLE GUARD RAIL REQUIRED

Sta. Leng. Constant Pay. leng.

NEW REIN. CONC. PIPE CULVERTS REQUIRED

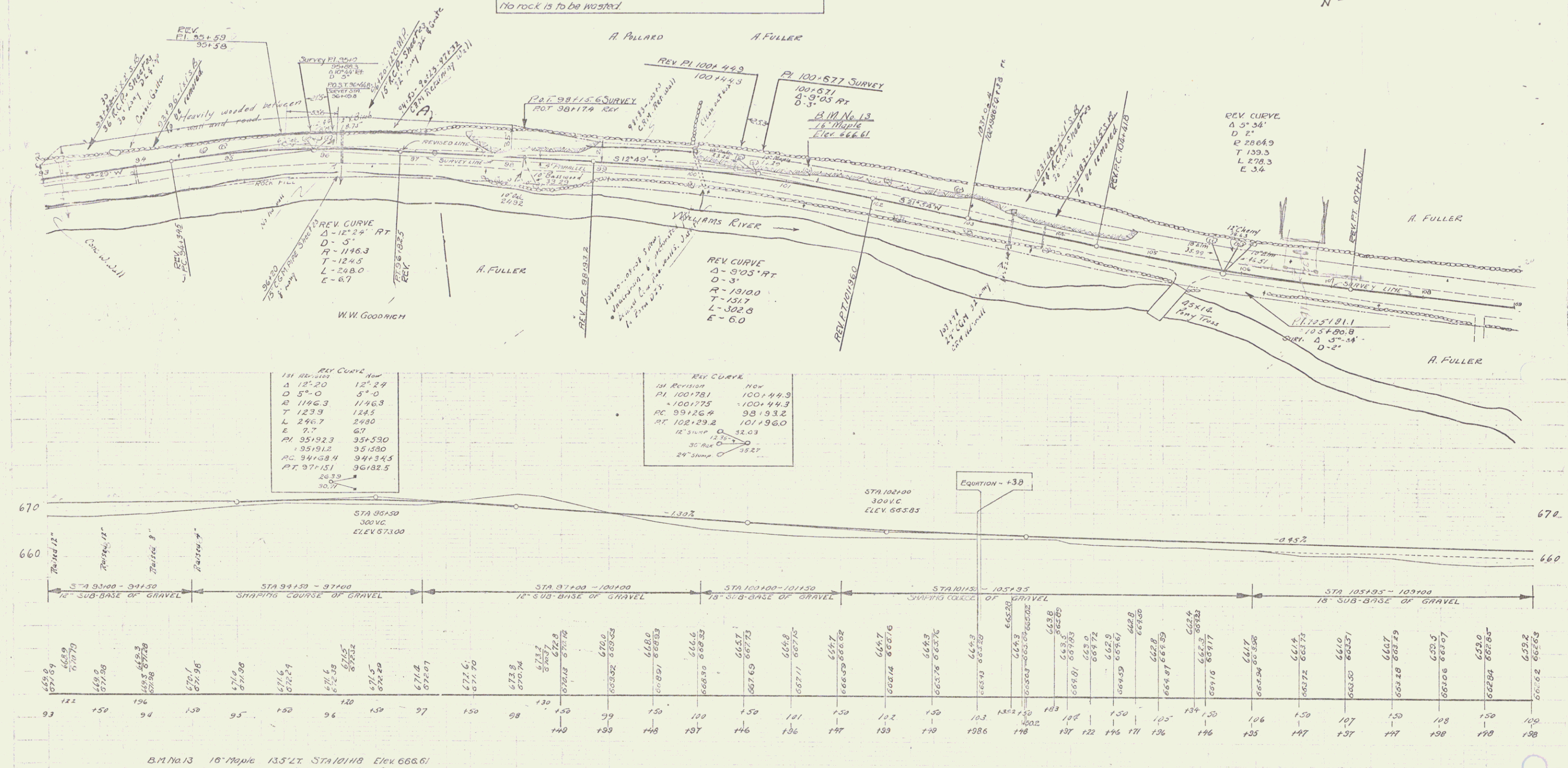
<u>Sq.</u>	<u>Diam.</u>	<u>Length</u>	<u>Conc. ft.</u>	<u>Steel</u>
93+12	36"	32'	40.04	58"
96+20	18"	32'	1.4	111"
103+48	24"	36'	2.8	189"

NEW CORRUGATED GALV. METAL PIPE CULVERTS REQUIRED

Station	Diam.	Length.
1+00	36"	100'
1+100	36"	100'
1+200	36"	100'
1+300	36"	100'
1+400	36"	100'
1+500	36"	100'
1+600	36"	100'
1+700	36"	100'
1+800	36"	100'
1+900	36"	100'
1+1000	36"	100'
1+1100	36"	100'
1+1200	36"	100'
1+1300	36"	100'
1+1400	36"	100'
1+1500	36"	100'
1+1600	36"	100'
1+1700	36"	100'
1+1800	36"	100'
1+1900	36"	100'
1+2000	36"	100'
1+2100	36"	100'
1+2200	36"	100'
1+2300	36"	100'
1+2400	36"	100'
1+2500	36"	100'
1+2600	36"	100'
1+2700	36"	100'
1+2800	36"	100'
1+2900	36"	100'
1+3000	36"	100'
1+3100	36"	100'
1+3200	36"	100'
1+3300	36"	100'
1+3400	36"	100'
1+3500	36"	100'
1+3600	36"	100'
1+3700	36"	100'
1+3800	36"	100'
1+3900	36"	100'
1+4000	36"	100'
1+4100	36"	100'
1+4200	36"	100'
1+4300	36"	100'
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1+5000	36"	100'
1+5100	36"	100'
1+5200	36"	100'
1+5300	36"	100'
1+5400	36"	100'
1+5500	36"	100'
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1+6700	36"	100'
1+6800	36"	100'
1+6900	36"	100'
1+7000	36"	100'
1+7100	36"	100'
1+7200	36"	100'
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1+7900	36"	100'
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1+8100	36"	100'
1+8200	36"	100'
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2+200	36"	100'
2+300	36"	100'
2+400	36"	100'
2+500	36"	100'
2+600	36"	100'
2+700	36"	100'
2+800	36"	100'
2+900	36"	100'
3+000	36"	100'
3+100	36"	100'
3+200	36"	100'

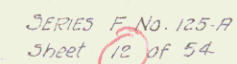
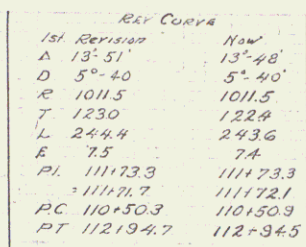
Parcel	Kind of Instrument	Date of Instrument	Grantor	Grantee	Recorded Chapter	Remarks
A	Q.C.D.	9-30-31	A.B. Pollard	Stof Vt	Book 31 Page 638	Date 10-3-31

Sta 95+00-105+00 $\pm$ Rock Excavation thru this section is to be used as Rock Fill (non pay item) at such locations as shown on layouts or as directed by the Engineer.
No rock is to be wasted.



SERIES F- No 125-A
SHEET 11 OF 54

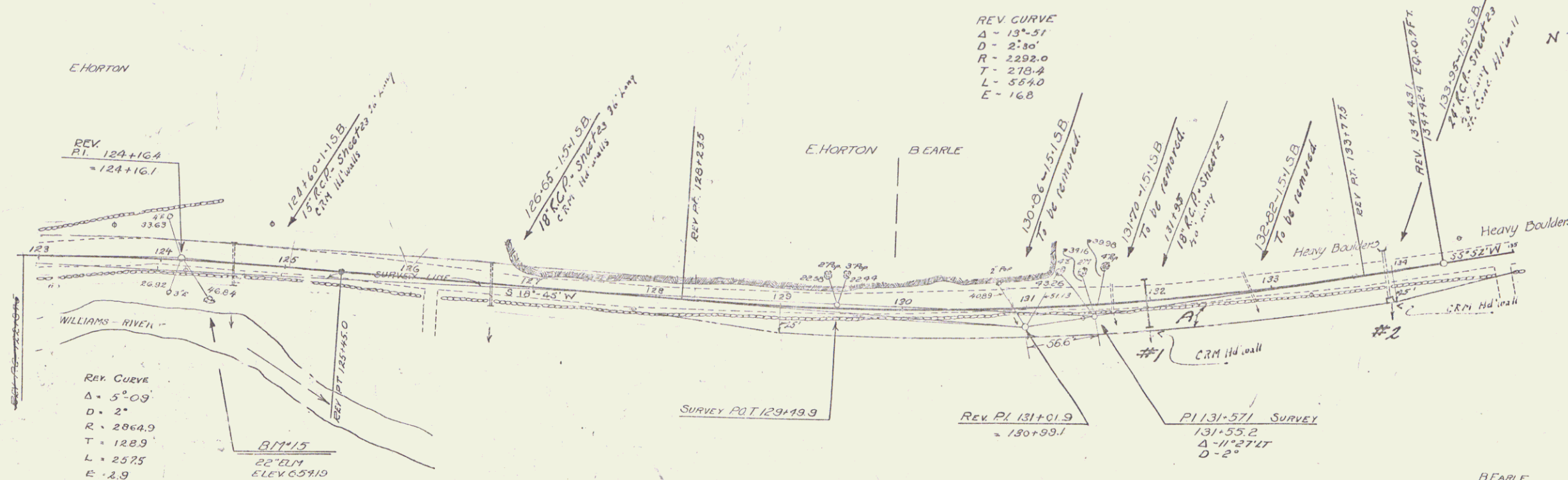
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VI.	125-A	1931	12	54



WOOD GUARD RAIL REQUIRED			CABLE GUARD RAIL REQUIRED			NEW KEINE CONC PIPE CULVERTS REQUIRED				
Cully Sta	Left	Right	Sta.	Long. Center	134-Long	Sta.	Diam. Long	Comp. H	Comp. C	Steel
124160	11'	-	123100-124100	130'	20'	124160	15" 36"	18	-	54"
124165	11'	11'				124165	18" 36"	18	-	54"
131197	21'	21'				131197	18" 40"	-	3.0	33"
133195	21'	21'				133195	18" 40"	24 cy	-	33"

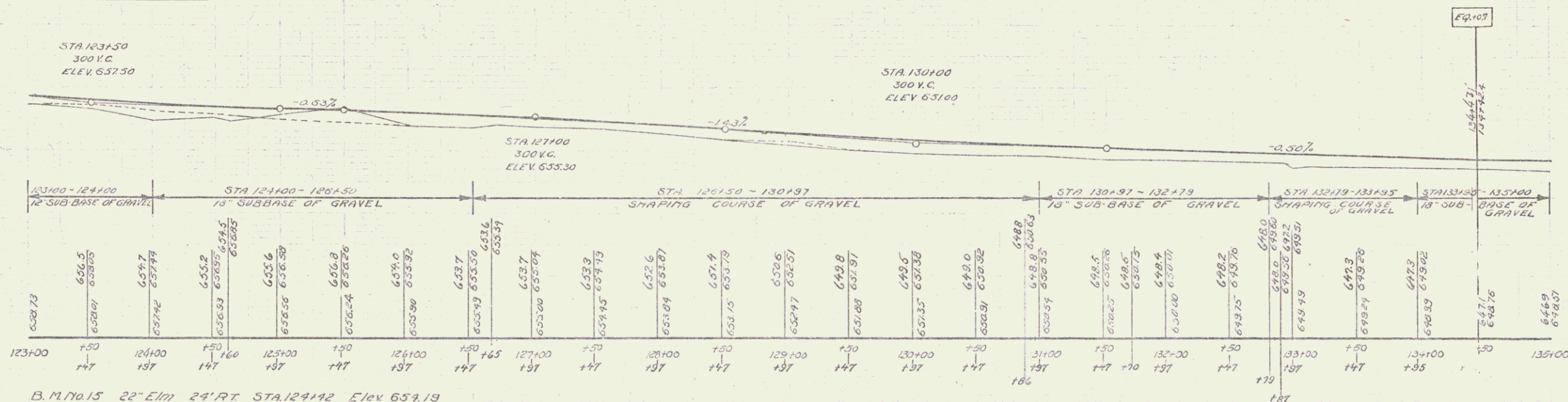
Parcel	Kind of Instrument	Date of Grant	Grantee	Recorded	Remarks
A. Cul. 762	C.D.	7-27-31	B. M. J. Earle	Book 7, Page 66	7-31-31 C. L. Sta. 131194/133195

STATE	NEW	RECORD	YEAR	SHEET
VT	125-A	1931	13	54



REV. CURVE	1st Revision	Now
Δ	4°-08'	5°-09'
D	2°-0	2°-0
R	2864.9	2864.8
T	103.4	128.9
L	206.7	257.5
E	1.9	2.9
P.I.	124+156	124+164
P.C.	123+123	122+182.5
P.T.	125+130	125+145.0

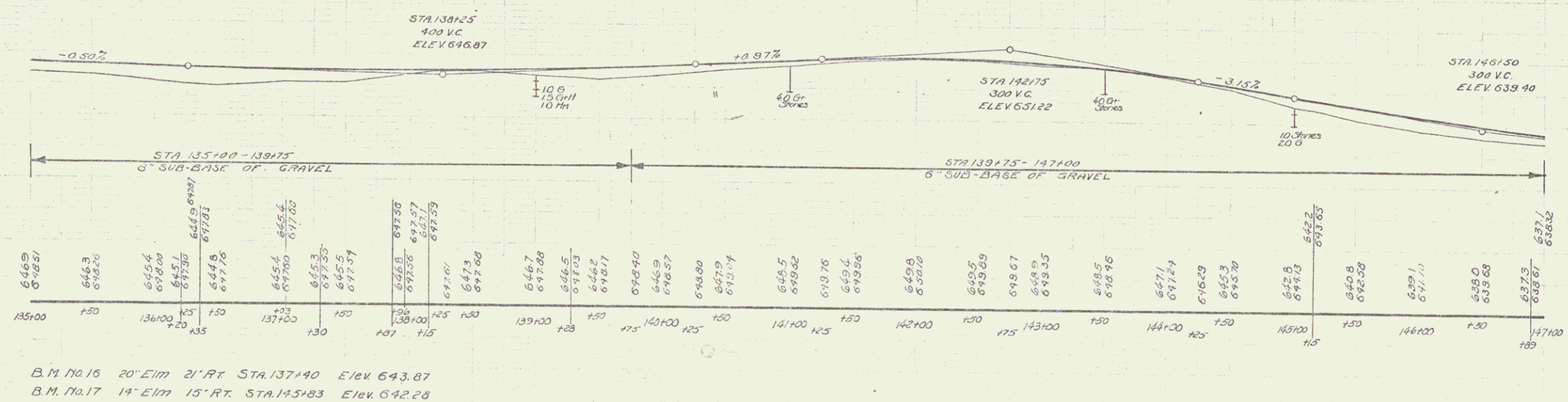
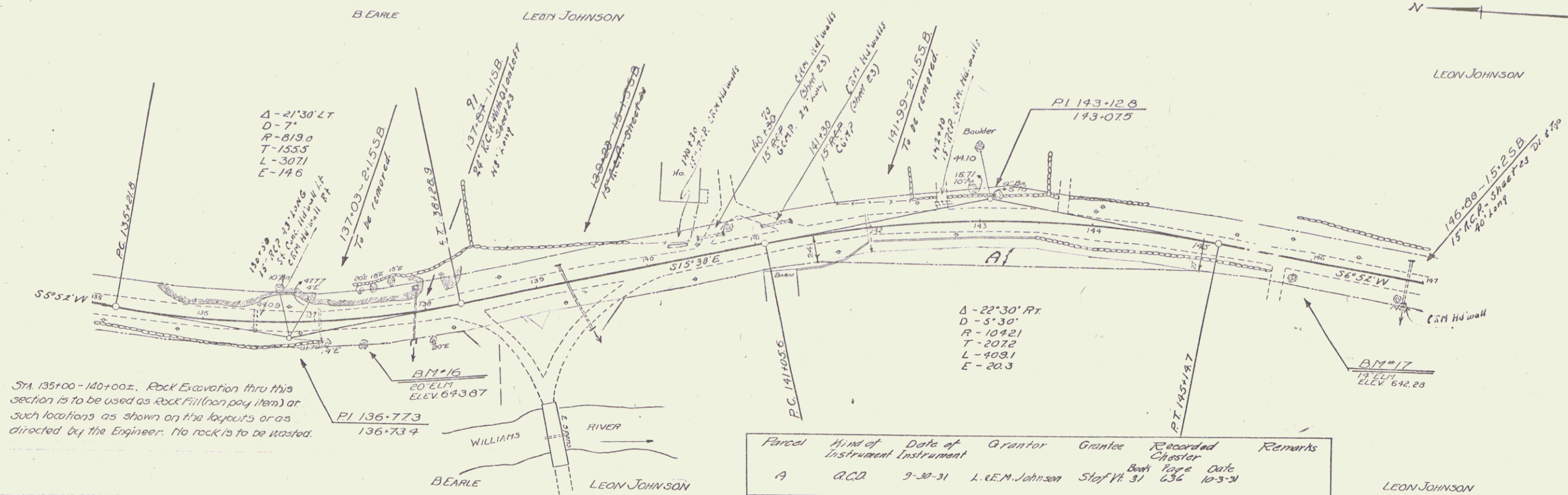
REV. CURVE	1st Revision	Now
Δ	13°-29'	13°-51'
D	2°-30'	2°-30'
R	2292.0	2292.0
T	270.9	270.9
L	539.3	554.0
E	13.7	16.8
P.I.	131+003	131+013
P.C.	130+300	130+391
P.T.	133+693	133+725



WOOD GUARD RAIL REQUIRED				GRAVEL GUARD RAIL REQUIRED				NEW REIN CONC PIPE CULVERTS REQUIRED			
Culv Sta	Left	Right	Sta	Long	Const	Qty	Long	Sta	Diam	Length	Conc. #
137187	24'		135186-138102 R	201'	40"	283'	137187	24"	44"	2.8 cy	138"
139128	24'	24'	141180-143128 R	144'	40"	181'	139128	15"	64"	2.3 cy	33"
146189	24'		145175-147100 R	125'	40"	125'	146189	15"	60"	-	33"

NEW REIN CONC DRIVEWAY PIPES REQUIRED			
Sta	Diam	Length	Cement Rubble Masonry
140170 L	15"	24'	2.6 cy
141130 L	15"	24'	2.6 cy

ED ROAD STATE	FLUORID FOSCAT SHEET TOTAL
NO. 125-R	NO. 125-R
1931	14 54



WOOD GUARD RAIL REQUIRED

CULV. STA.	Left	Right
149158	24'	28'
153159	24'	28'
162125	24'	28'

CABLE GUARD RAIL REQUIRED

Sta.	Length	Constant	Qty
147100-147114 Kl. 74'	20'	95'	
149146-150108 Kl. 152'	40'	192'	
153100-156126 Kl. 126'	40'	160'	

NEW REIN. CONC. PIPE CULVERTS REQUIRED

Sta.	Diam.	Length	Conc. R.	Conc. C.	Steel
149158	24"	40'	2.4 cy.		54"
153159	15"	40'	1.3	2.2 cy.	33"
156107	15"	40'	1.3	1.2	178"
162125	24"	40'	2.4		54"

NEW REIN. CONC. BOX CULV. REQUIRED

Sta.	Size	Conc. R.	Steel
149158	24"	400 Y.	308"

NEW REIN. CONC. DRIVEWAY PIPES REQUIRED

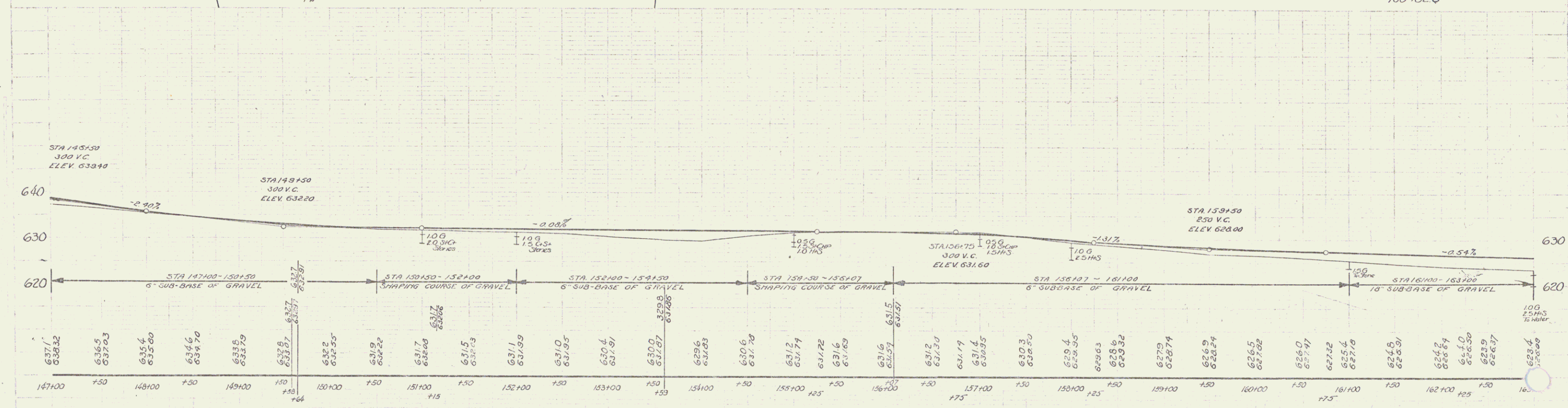
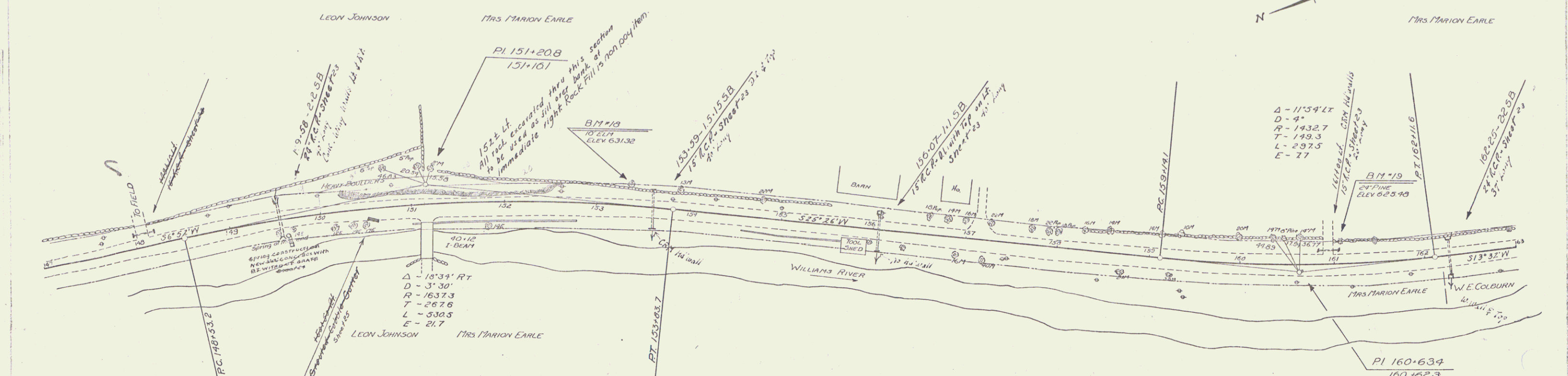
Sta.	Diam.	Length	Cement	Rubble Masonry
14100 Lt.	15"	20'	2.6 cy.	
148110 Lt.	15"	20'	2.6	

GROUTED COBBLE BUTTER REQUIRED

Sta.	Width	Area
150130 Kl.	3'0"	3.89 yds.

WOOD GUARD POSTS REQUIRED

CULV. STA.	Left	Right
156107	1	-



B.M. 170.18 10" Elm 21.5' Lt. STA 153+35 ELEV 631.32
 B.M. 170.19 24" Pine 25' Lt. STA 161+07 ELEV 625.40

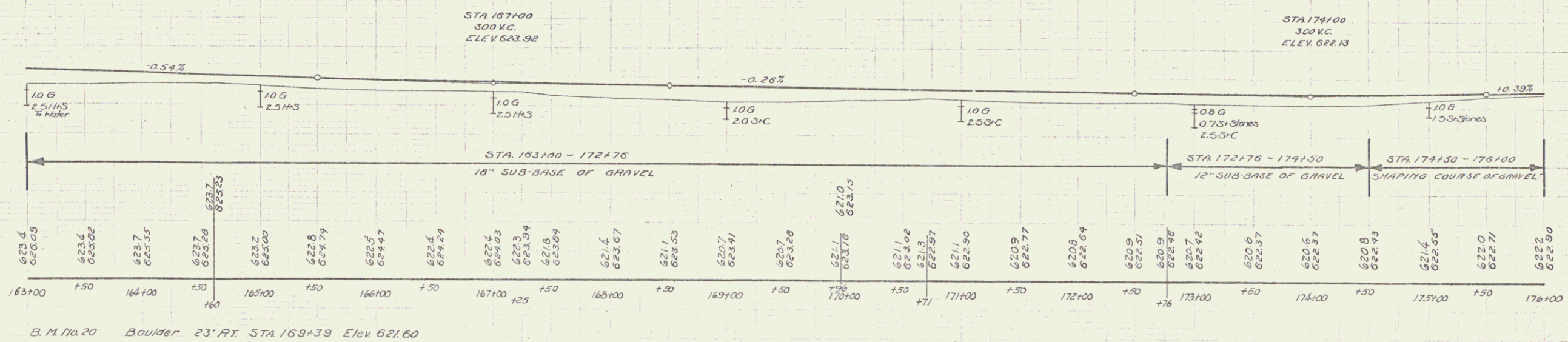
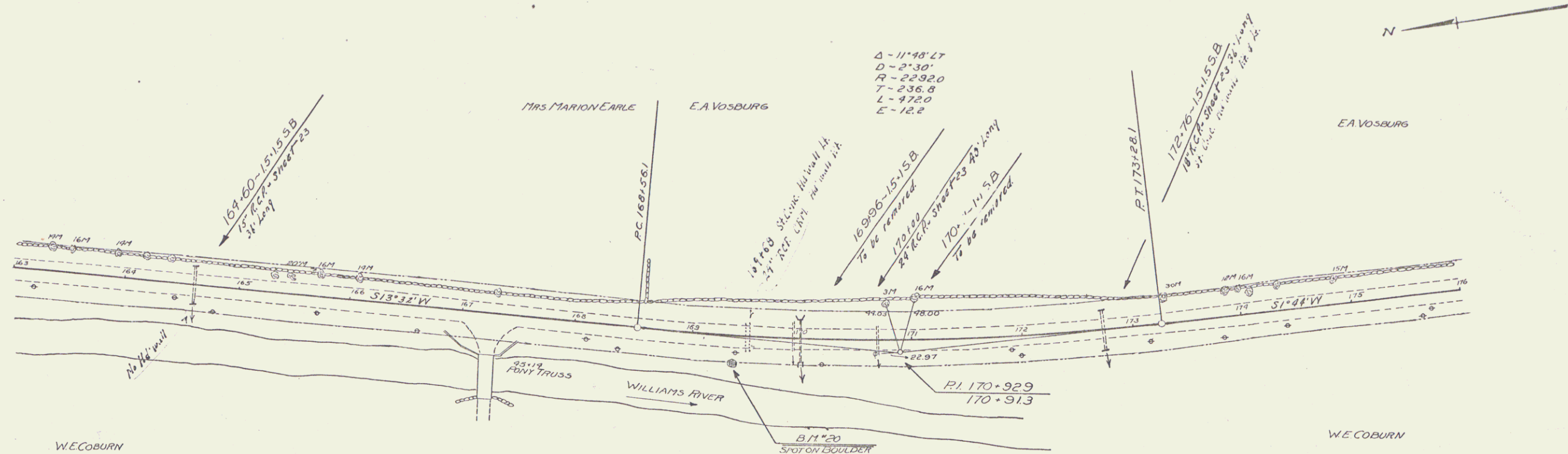
WOOD BRIDGE PILL REQUIRED

Culm Sta	Left	Right
169+60	28'	28'
170+00	28'	28'
172+76	28'	28'

NEW REIN CONC PIPE CULVERTS REQUIRED

Sta	Dist	Length	Comp. R	Comp. Steel
169+60	15'	36'	28 cy	33"
170+00	24'	40'	24 cy	33"
172+76	18'	36'	30	33"

ED. ROAD	STATE	PROJECT	SHEET	DATE
125-N	1931	10	54	



B.M. No. 20 Boulder 23' RT. STA 169+39 Elev 621.60

SERIES E No. 125-A
Sheet 14 of 54

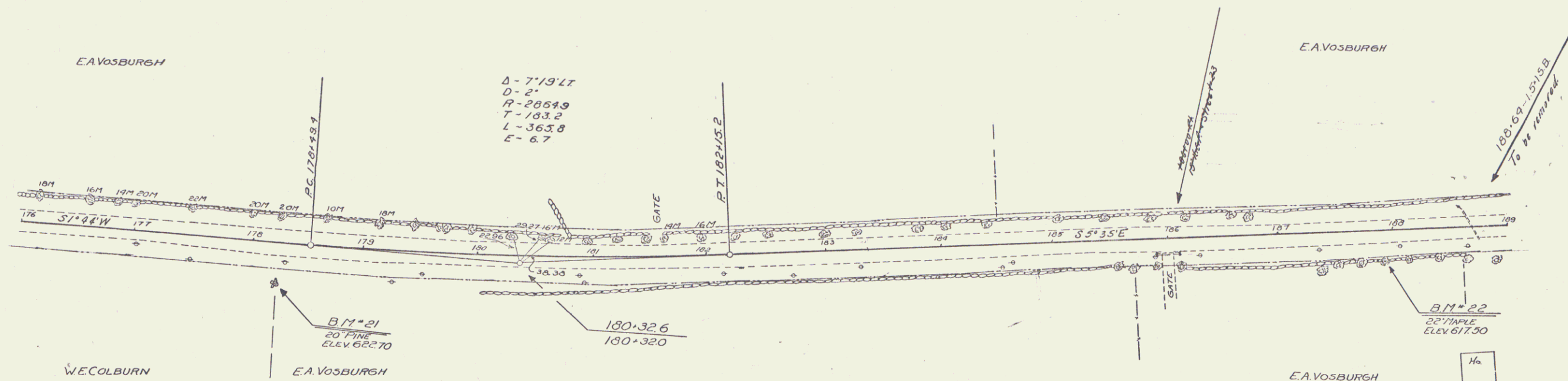
14

NEW REIN CONC DRIVEWAY PILES REQUIRED

Sta. Blm. Leng. Cem. Rub. Mat.
186100 Rk 15' 20' 16 cy.

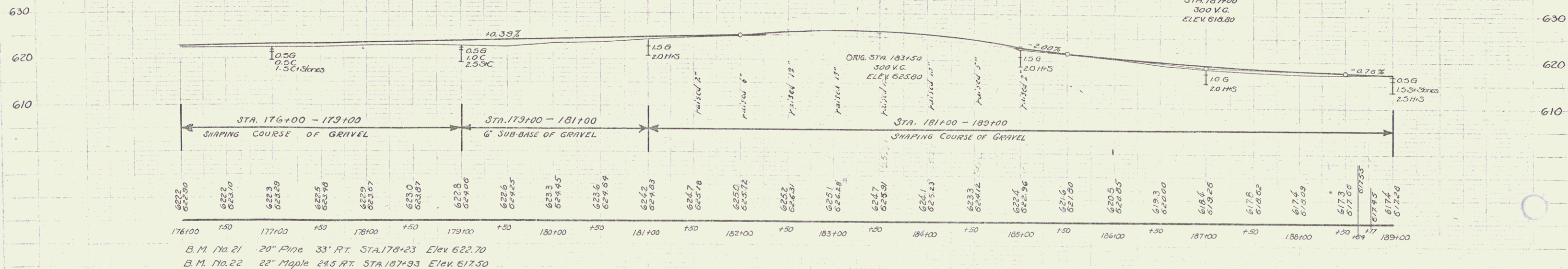
125-A 1931 17 54

N



GRADE REVISION IN FIELD

181+50 - 185+00	0.16 FT.
181+50 RAISED	0.50 "
182+50 "	1.00 "
183+50 "	1.08 "
184+50 "	1.00 "
185+50 "	0.42 "
186+50 "	0.16 "



B.M. No. 21 20" Pine 33' RT. STA. 176+23 Elev 622.70
B.M. No. 22 22" Maple 24.5 RT. STA. 187+93 Elev 617.50

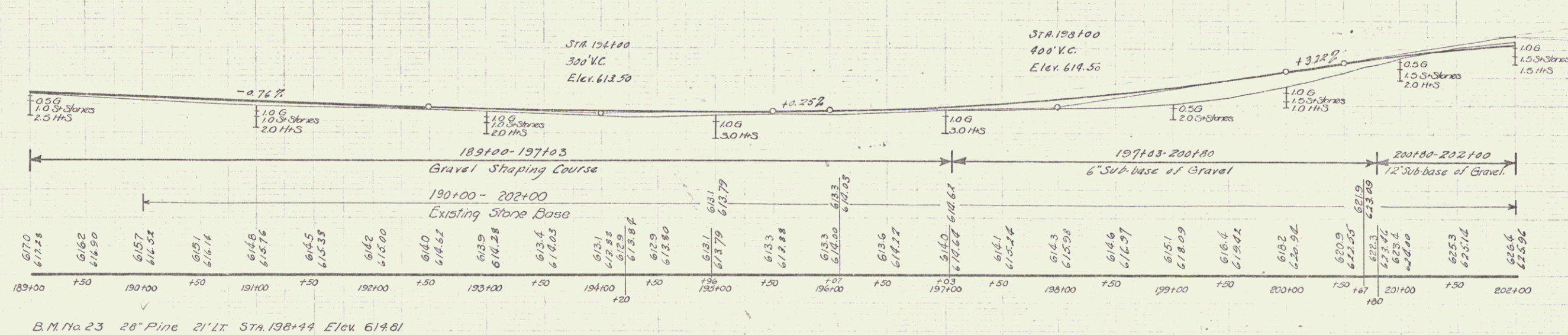
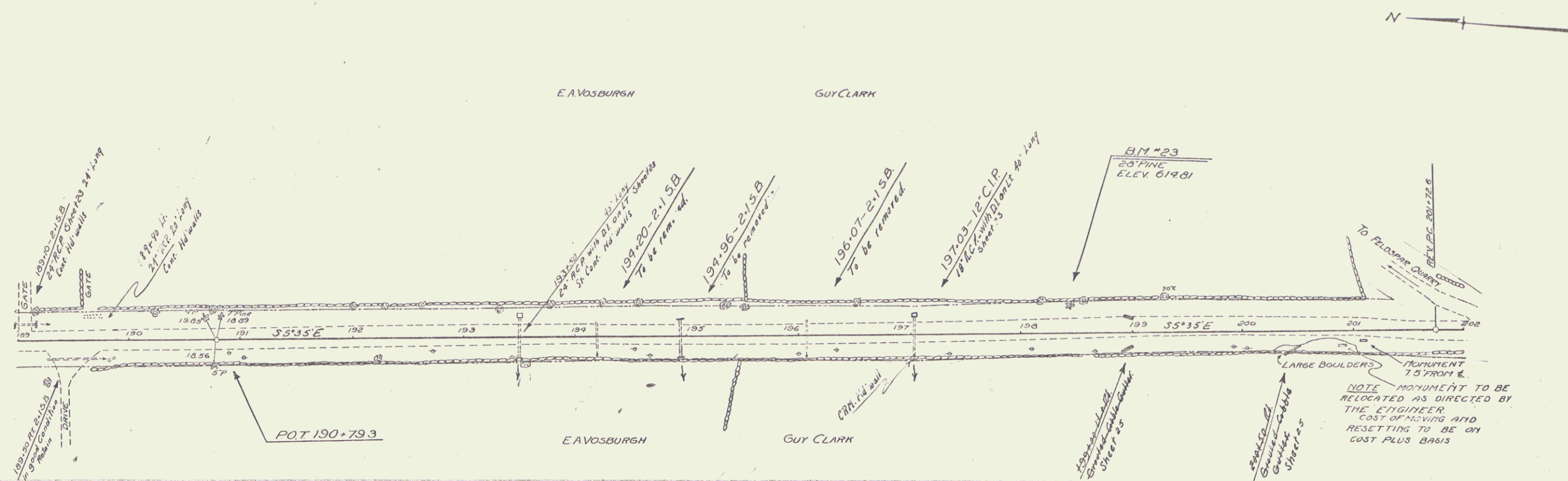
SERIES F No 125-A
Sheet 17 of 54

Wood Guard Rail Required		Cable Guard Rail Required		New Reinf. Conc. Pipe Culverts Required	
Culv. Sta.	Left Right	Sta.	Length	Sta.	Diam. Length
193+50	24'	24'	198+44-201+00 R.H. 156'	40'	296'
197+03	24'	24'			

New Reinf. Conc. Driveway Cully Required			
Sta.	Left Right	Diam.	Length
189+00 L.	24'	24'	400'

Grouted Cable Gutter Required		
Sta.	Width	Area
199+00 L.H. R.H.	3'-0"	5.39 yds.
200+50 R.H.	3'-0"	5'-0"

Dist. No.	State	Proj. No.	Sheet No.
125-A	1931	18	54



B.M. No. 23 28" Pine 21' LT. STA. 198+44 Elev. 614.81

SERIES F No. 125-A
Sheet 18 of 54

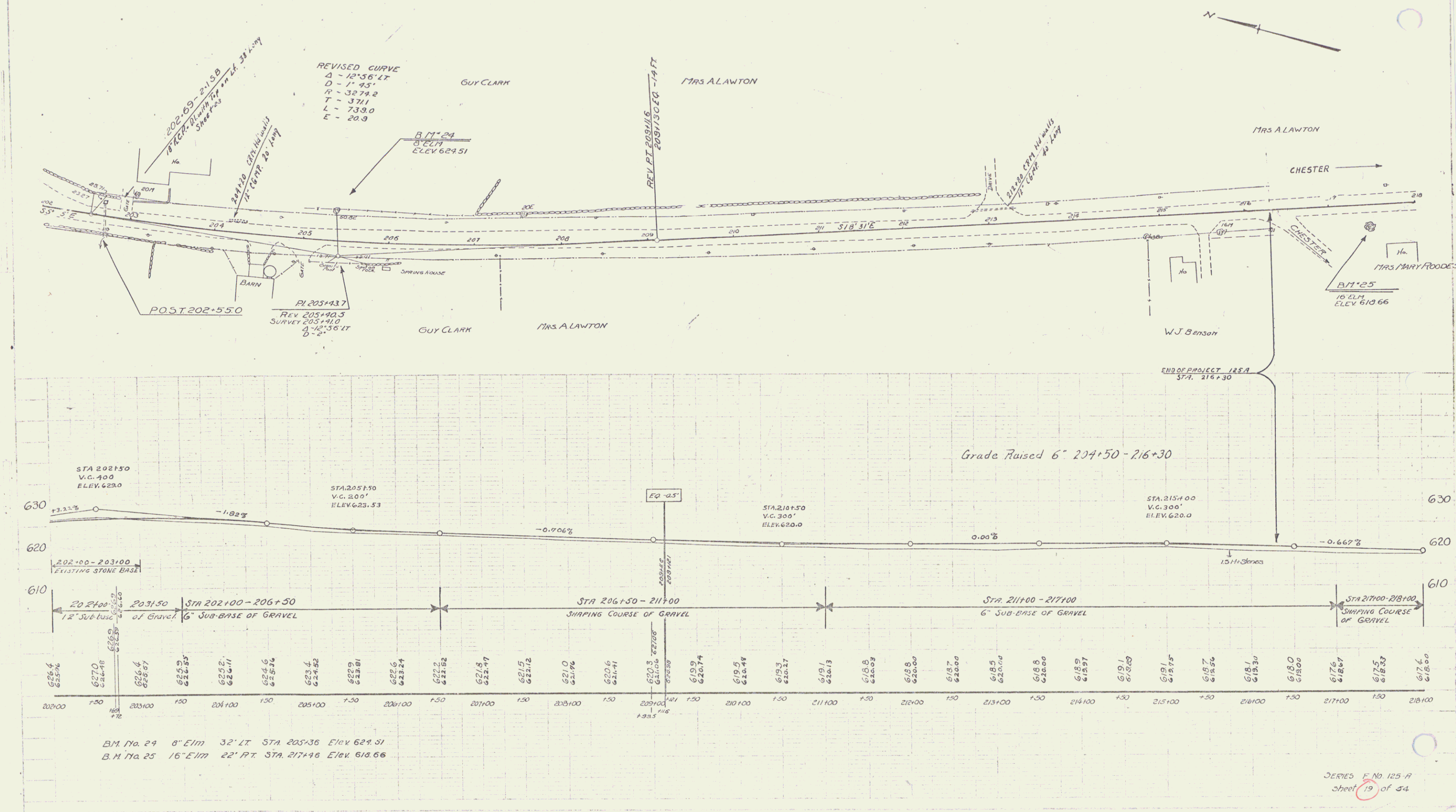
WOOD GUY CO RAIL REQUIRED

Cutv. Sta.	Left	Right
202+69	28'	28'

NEW REIN. CONC. PIPE CULVERTS REQUIRED

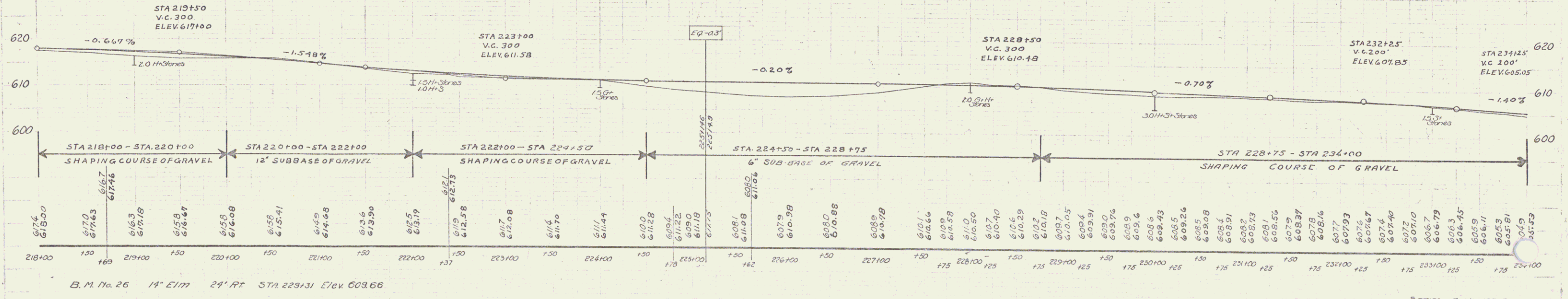
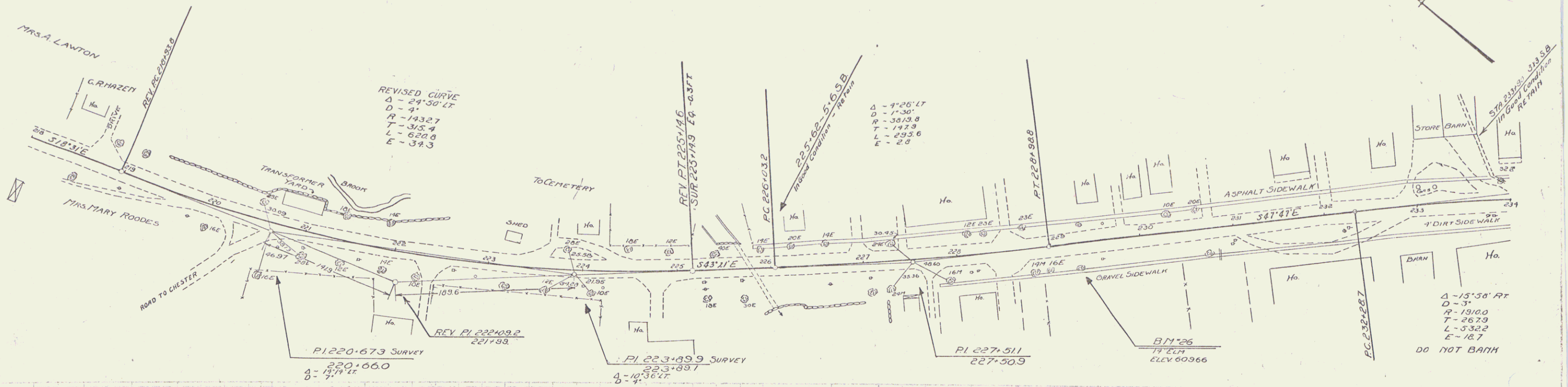
Sta.	Diagm. Leng.	Core A	Steel
202+69	18'	46"	2.36 yd 109'

DATE	BY	NO.	YEAR	SHEET
125-A	1931	19	54	



CABLE GUARD RAIL REQUIRED
Sta. Long Center Hwy. Prop.
125+14.225+172.44 48' 40' 88'

FED. ROAD DIST. NO.	STATE	F.D. NO.	PROJECT NO.	SHEET NO.	TOTAL SHEETS
125-19	PA	1931	20	54	

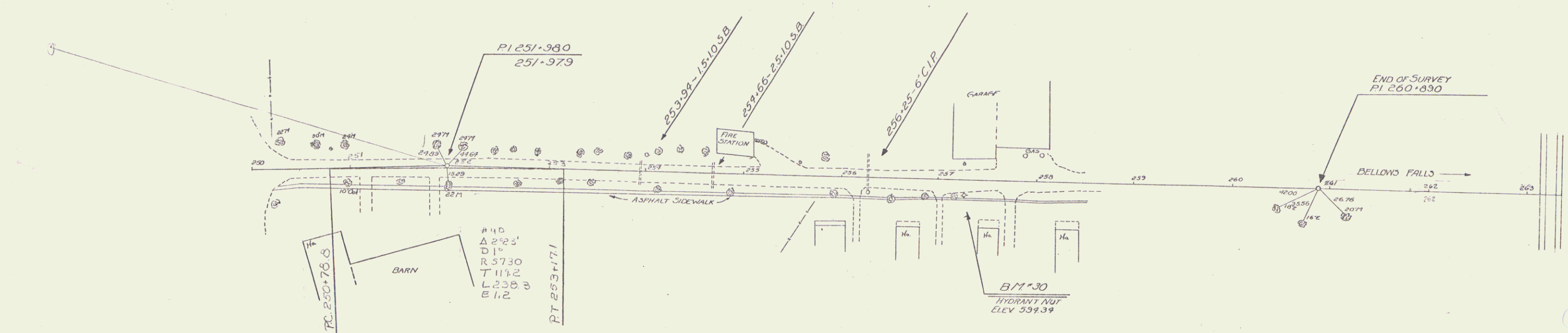


B.M. No. 26 14' Elm 24' Rt Sta. 229+31 Elev. 609.66

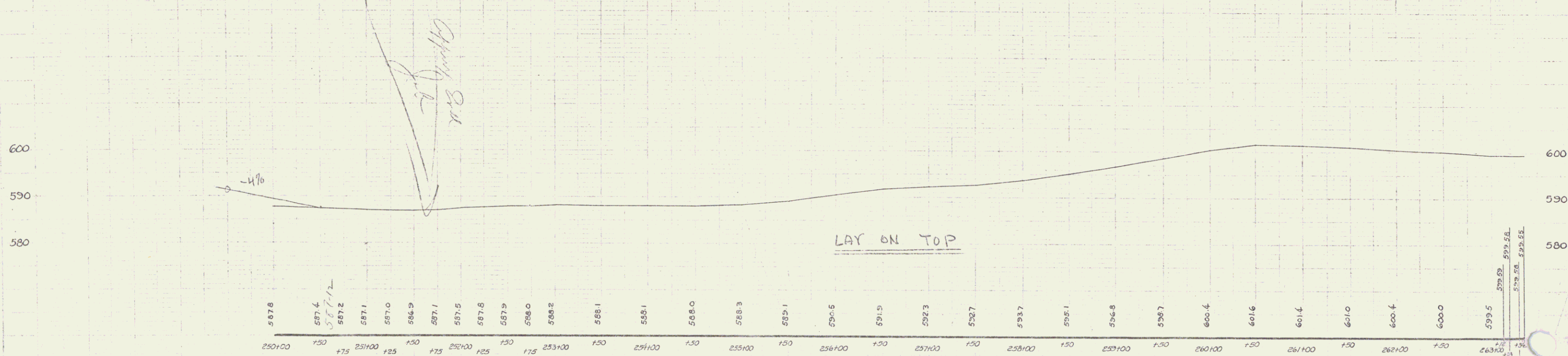
SERIES F No. 125-19
Sheet 20 of 54

18

6-8-6
3-5-3
8-



BM 30 Hydrant Nut - 15.5 RT of 257+125 - E 584.34



125A 1981 22 54

