

INDEX OF SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	120A	1951	1	54

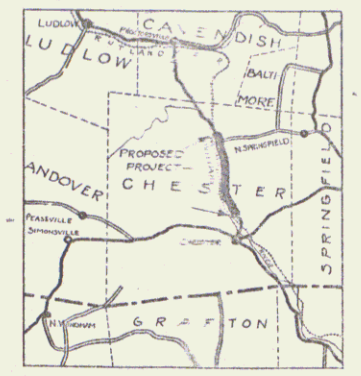
**STATE OF VERMONT
STATE HIGHWAY DEPARTMENT**

**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

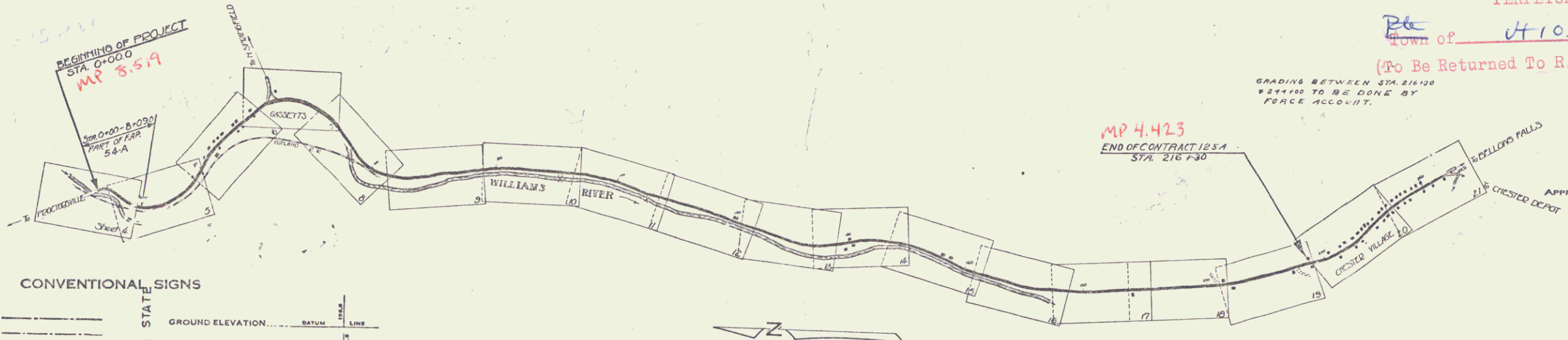
RIGHT-OF-WAY DIVISION
TOWN FILE

PERPETUAL

Town of 4103

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

GRADING BETWEEN STA. 21610
AND 21615 TO BE DONE BY
FORCE ACCOUNT.



CONVENTIONAL SIGNS

COUNTY LINE	GROUND ELEVATION
TOWN LINE	FENCE LINE
STONED	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.

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. J. [Signature] 3/22/51
SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

Pin # 00R131
Route VT103
Date 3/22/51

RECOMMENDED [Signature] DISTRICT ENGINEER BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL [Signature] CHIEF ENGINEER

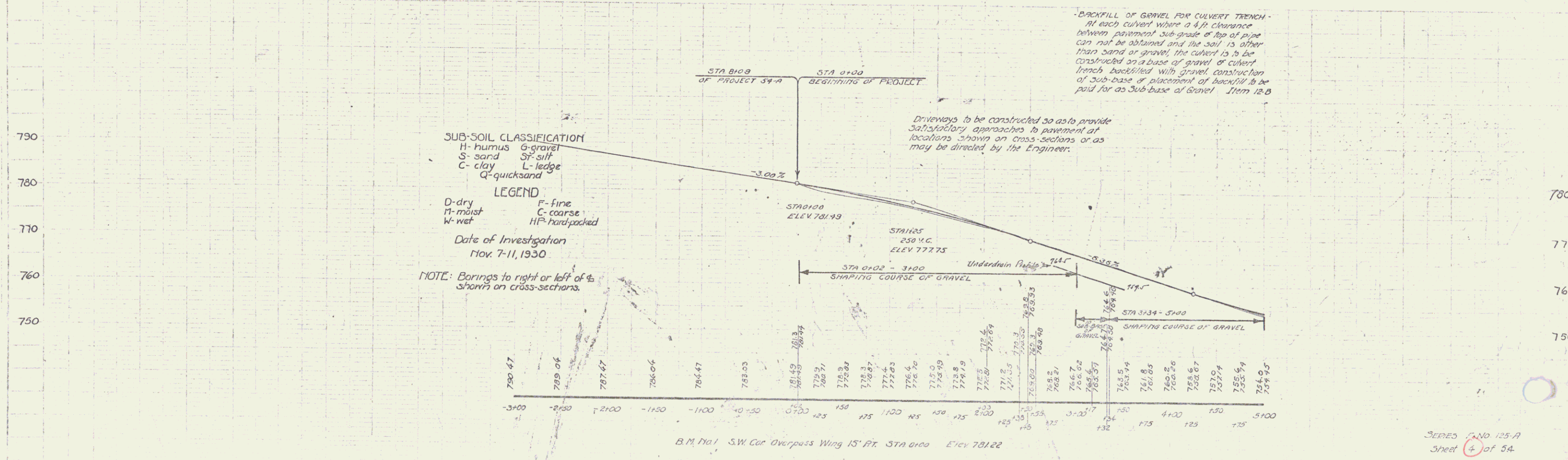
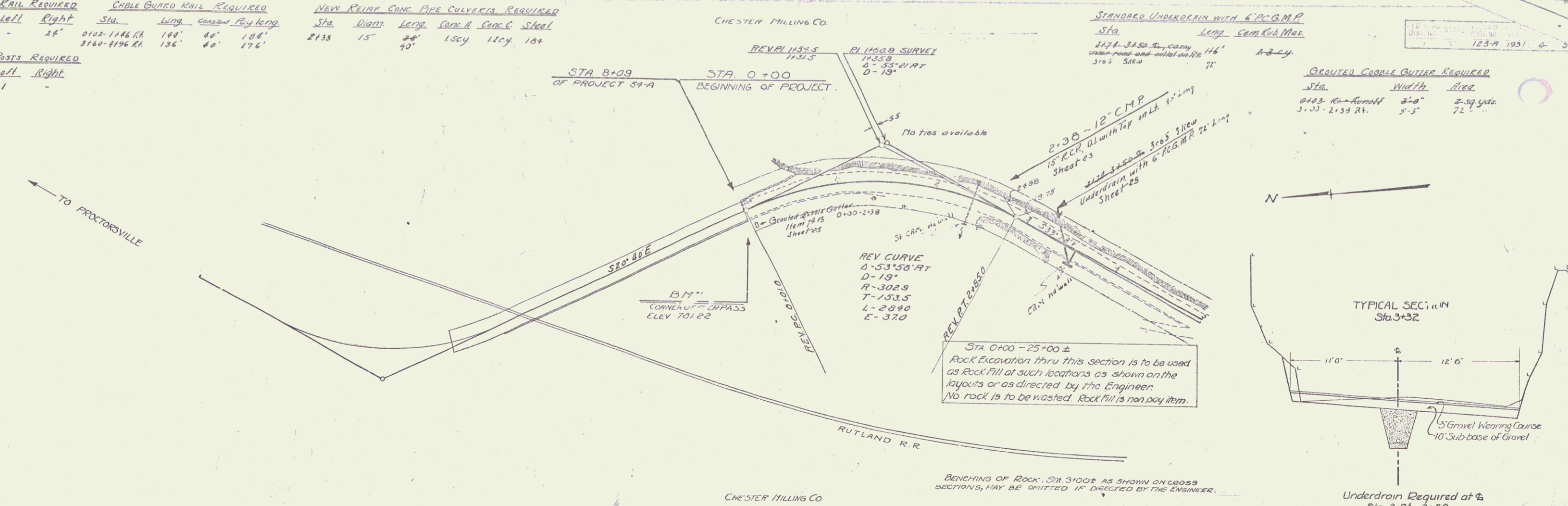
APPROVED [Signature] DIRECTOR - BUREAU OF PUBLIC ROADS

CORRECT [Signature] ROAD ENGINEER

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

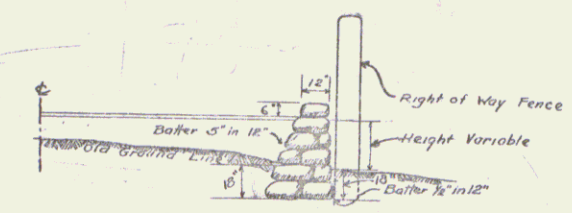
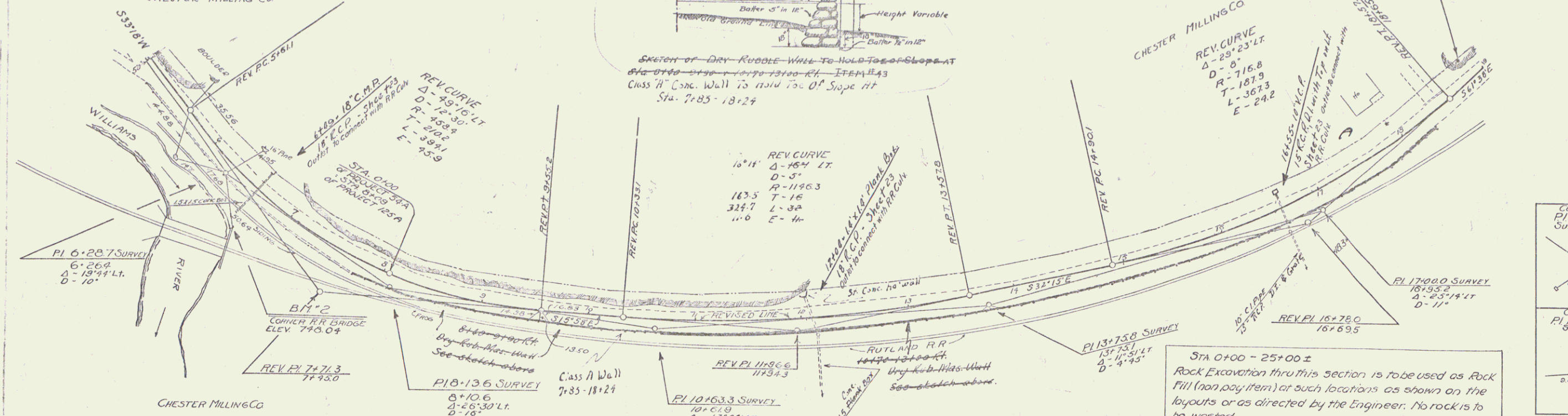
WOOD GUIDE RAIL REQUIRED			CABLE GUARD RAIL REQUIRED			NEW REIN. CONC. PIPE CULVERTS REQUIRED						
Culv. Sta.	Left	Right	Sta.	Long.	Constr. Pk. Hdg.	Sta.	Diam.	Length	Conc. B.	Conc. C.	Steel	
2138		14'	0102-1186 Cl.	144'	40'	184'	2138	15"	70'	15cy	12cy	184'
			3160-1196 Cl.	136'	40'	176'						

WOOD GUIDE POSTS REQUIRED		
Culv. Sta.	Left	Right
2138	1	



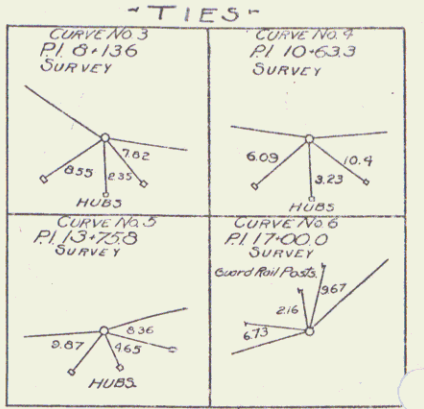
Wood Guard Rail Required	Cable Guard Rail Required	New Rebar Conc. Pipe Culverts Required									
Culv. Sta.	Left	Right	Sta.	Leag.	Constant	Req. Length	Sta.	Diam.	Long.	Conc. H.	Steel
12108	24'	-	5400-7107	109'	40'	224'	6189	18"	40'	12cy	128"
16155	24'	-					12188	18"	40'	12	27"
							16155	18"	36'	14	157"
							16155	18"	36'	14	157"

Parcel	Kind of Instrument	Date of Instrument	Grantor	Grantee	Recorded	Book	Page	Date	Remarks
A	G.C.D.	8-A-31	FAKWA Bemis	Sta. H. S.	689	530-31			



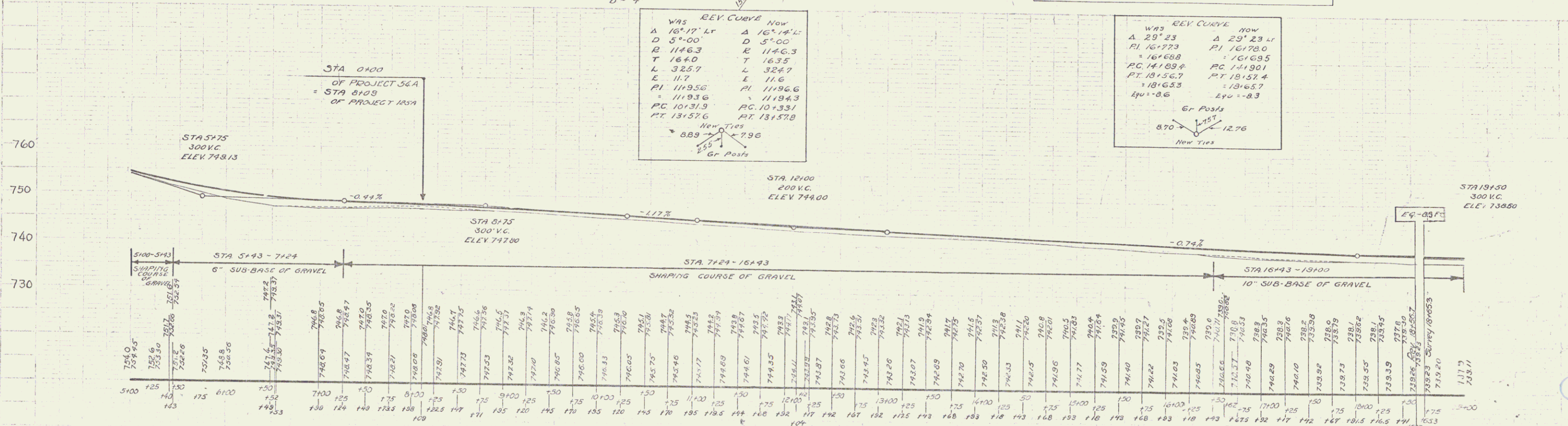
REV. CURVE	Δ	LT
16°17'	16°17'	16
10°00'	10°00'	10
163.5	163.5	163.5
324.7	324.7	324.7
11.0	11.0	11.0

STA 0+00 - 25+00 ±
Rock Excavation thru this section is to be used as Rock Fill (non pay item) at such locations as shown on the layouts or as directed by the Engineer. No rock is to be wasted.



Was	REV. CURVE	Now
A	16°17' LT	Δ 16°14' LT
D	5°00'	Δ 5°00'
B	1146.3	R 1146.3
T	184.0	T 183.5
L	325.7	L 324.7
E	11.7	E 11.6
PI	1119.56	PI 11196.6
PC	10131.9	PC 10133.1
PT	13157.6	PT 13158.8

Was	REV. CURVE	Now
A	29°23'	Δ 29°23' LT
PI	16177.3	PI 16178.0
R	16168.8	R 16169.5
PC	14189.4	PC 14190.1
PT	18156.7	PT 18157.4
L	18165.3	L 18165.7
E	11.0	E 11.0



B.M. No. 2 S.E. Cor. RR Bridge Wing 42' RT STA 6+65 Elev 748.09
B.M. No. 3 Spot on Leag. 22' LT STA 18+84 Elev 740.88

Wood Guard Rail Required

Cul. Sta.	Left	Right
19+22	2'	2'
31+00	-	2'

Wood Guide Posts Required

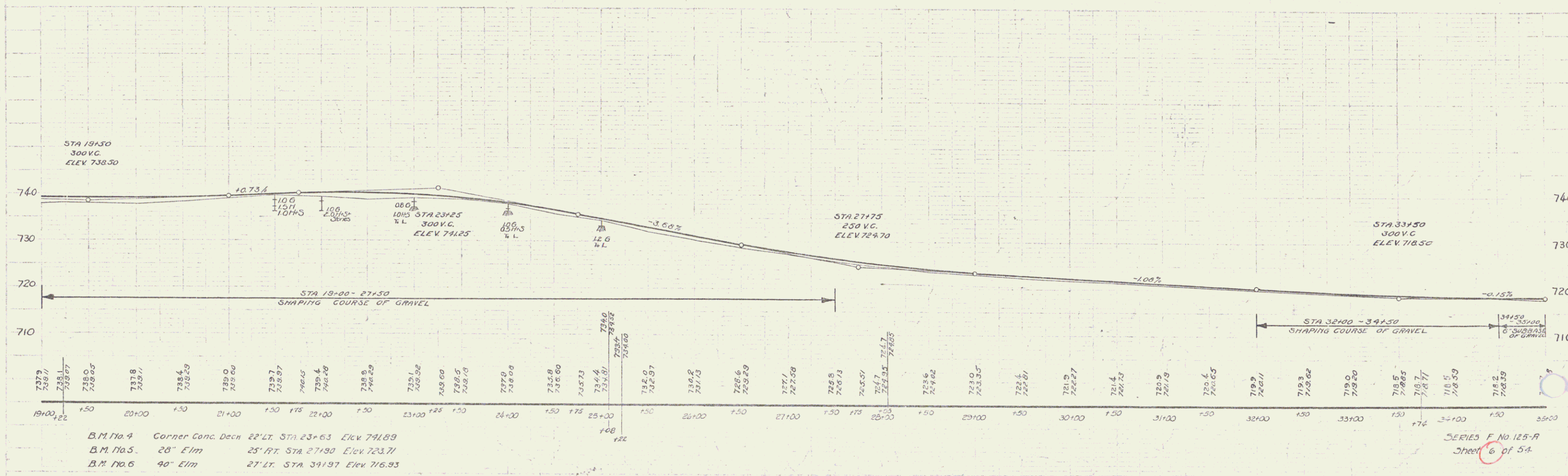
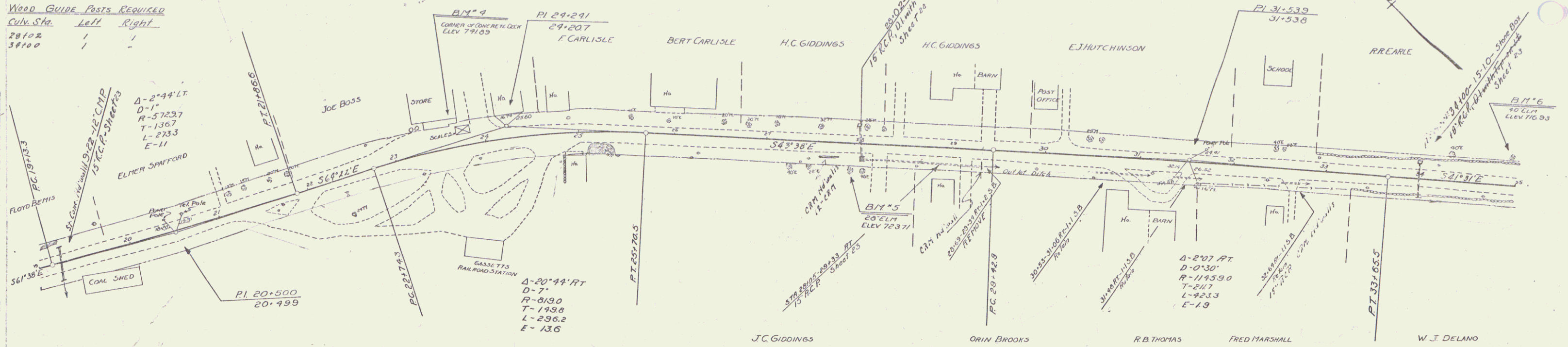
Cul. Sta.	Left	Right
28+02	1	1
31+00	1	-

New Reint Conc Pipe Culverts Required

Sta	Diam	Long	Cont. A	Cont. C	Steel
19+22	15"	36'	1.30y	33"	314"
28+02	14"	30'	30cy	-	314"
28+00	14"	36'	1.5	1.5	174"

New Reint Conc Drainway Pipe Culverts Required

Sta.	Side	Diam	Length	Cont. C	Steel	LRM
28+02-28+11	RT	15"	100'	1.80y	174"	-
32+50-32+77	RT	15"	20'	-	-	-



B.M. No. 4 Corner Conc. Deck 22' LT. STA 23+63 Elev 791.89
 B.M. No. 5 28' Elm 25' RT. STA 27+90 Elev 723.71
 B.M. No. 6 90' Elm 27' LT. STA 31+97 Elev 716.93

SERIES F No 125-R
Sheet 6 of 54

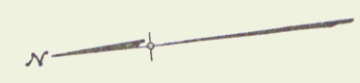
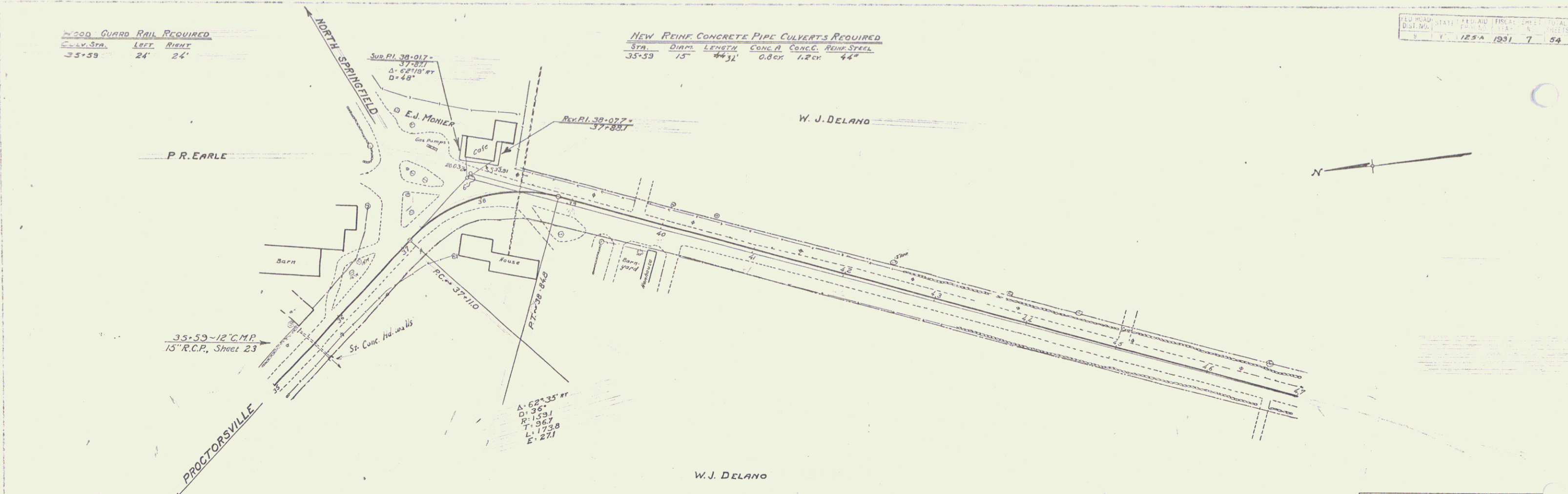
WOOD GUARD RAIL REQUIRED

CULV. STA.	LEFT	RIGHT
35+59	24'	24'

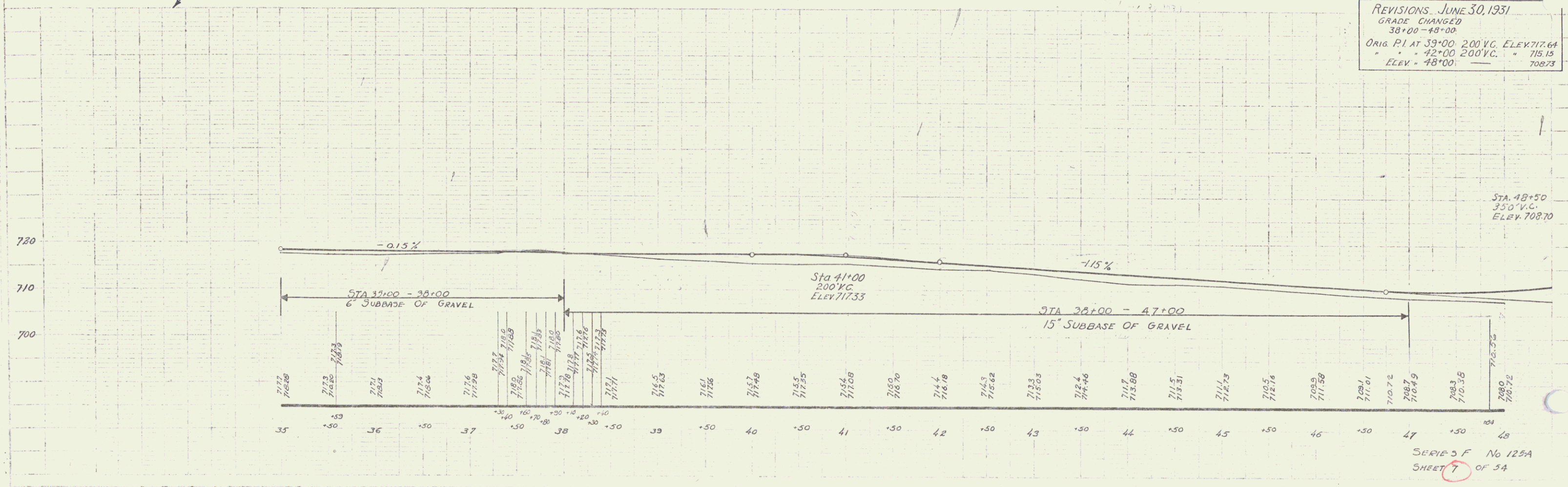
NEW REINF. CONCRETE PIPE CULVERTS REQUIRED

STA.	DIAM.	LENGTH	CONC. A	CONC. B	REINF. STEEL
35+59	15"	44'	0.8cx	1.2cx	44"

LOG NO. 125A 1931 7 54

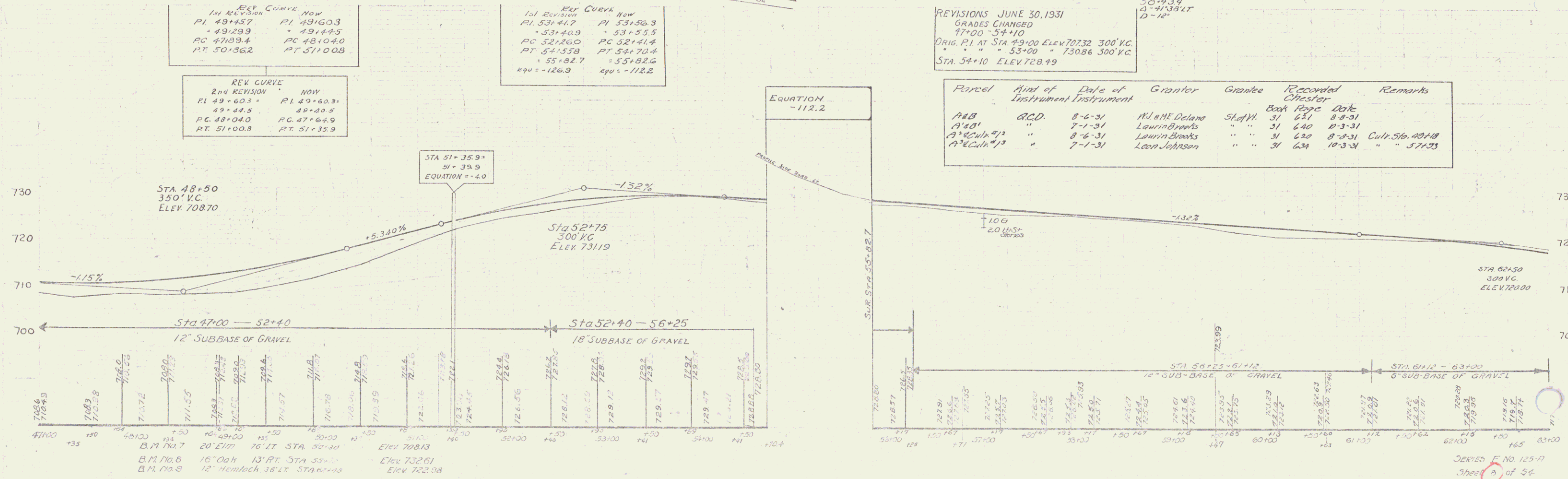
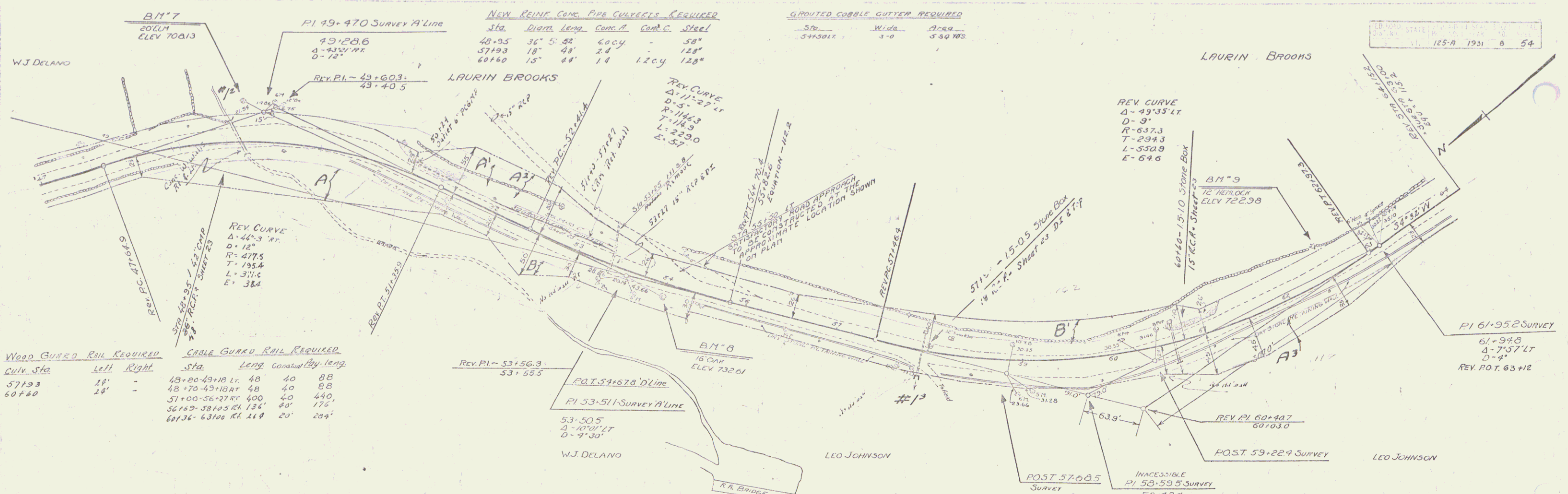


REVISIONS - JUNE 30, 1931
 GRADE CHANGED
 38+00 - 48+00
 ORIG. PI AT 39+00 200' V.C. ELEV. 717.64
 " " 42+00 200' V.C. " 715.15
 ELEV. 48+00 " 708.73



SERIES F No 125A
 SHEET 7 OF 54

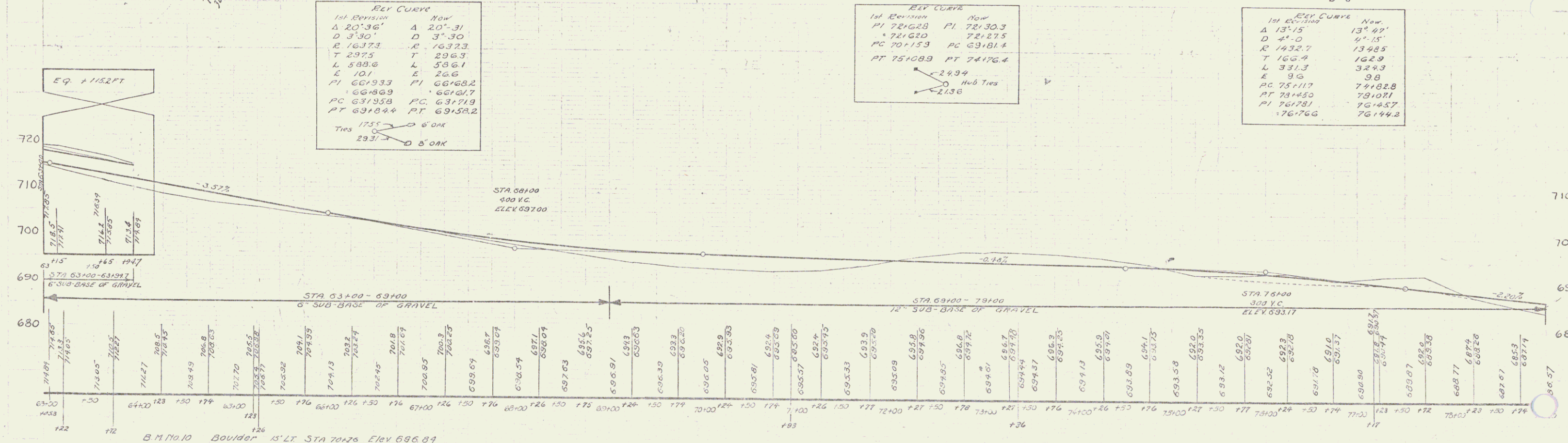
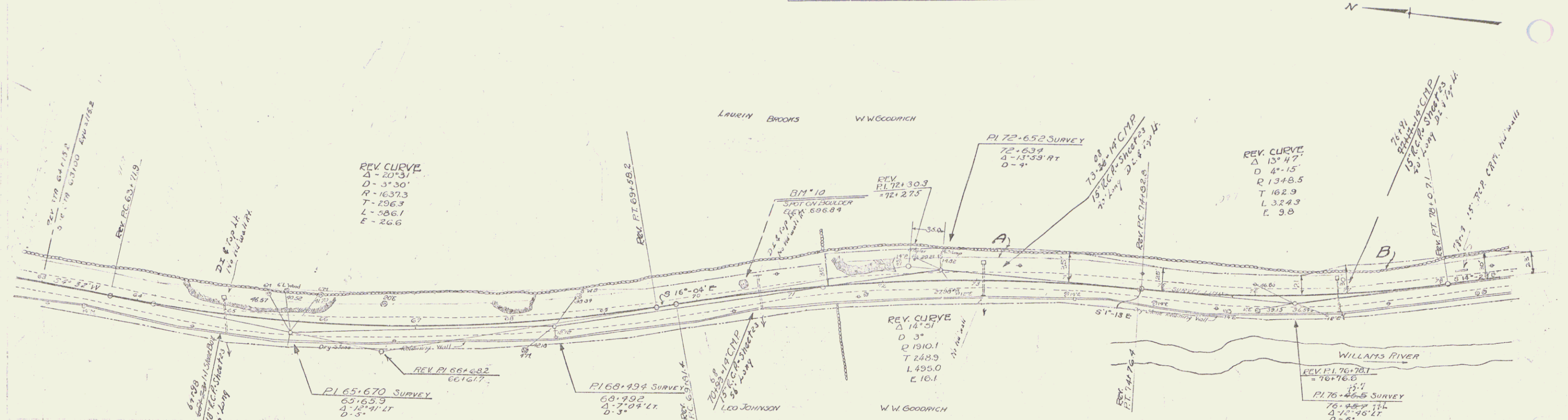
5



Wood Gravel Rail Required			Cable Gunns Rail Required			New Keint Conc. Pipe Culverts Required					
Culv. Sta.	Left	Right	Sta.	Length	Req. Length	Sta.	diam.	Length	Conc. B.	Conc. C.	Steel
65123	24'	-	63100-75193 RT.	1093'	80'	1128'	65123	18"	60'	10 cy	157'
70123	24'	-				70123	15"	50'	-	2.3	33'
75126	24'	-				73126	15"	36'	1.8	1.7	12.8"
77117	24'	24'				77117	15"	36'	-	2.3	12.8"

Parcel	Kind of Instrument	Date of Instrument	Grantor	Grantee	Recorded Sheet	Book Page	Date	Remarks
A&B	Q.C.D.	1-16-31	W. W. Goodrich	St. of Y. 32	5-6	1-16-31		

STATE OF NEW YORK
 No. 125-A 1931 9 54



7

WOOD GUIDED RAIL REQUIRED		CABLE GUIDED RAIL REQUIRED	
Sta.	Left Right	Sta.	Left Right
80+24	24'	80+00-87+00	74' 80'
81+09	24'	92+50-93+00	50' 20'
86+05	24'		

NEW REIN CONC PIPE CULVERTS REQUIRED			
Sta.	Diarm.	Length	Comp. R. Conc. Slope L.
80+24	48"	36'	5.6%
81+09	18"	40'	1.4%
86+05	18"	36'	3.0%

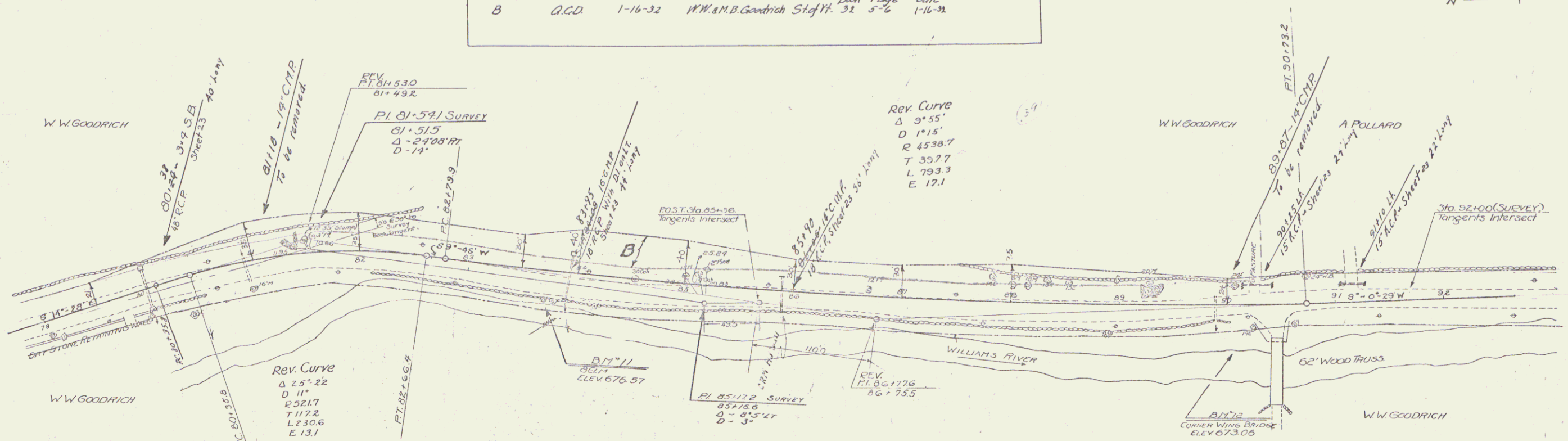
NEW CORRUGATED GALV. MECH. PIPE REQUIRED		
Station	Diarm.	Length
84+09	18"	12'

NEW REIN CONC DRAINAGE PIPES REQUIRED			
Sta.	Diarm.	Length	Comp. R. Conc. Slope
90+25	15"	20'	2.0%
91+10	15"	22'	2.6%

NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10	NO. 11	NO. 12	NO. 13	NO. 14	NO. 15	NO. 16	NO. 17	NO. 18	NO. 19	NO. 20	NO. 21	NO. 22	NO. 23	NO. 24	NO. 25	NO. 26	NO. 27	NO. 28	NO. 29	NO. 30	NO. 31	NO. 32	NO. 33	NO. 34	NO. 35	NO. 36	NO. 37	NO. 38	NO. 39	NO. 40	NO. 41	NO. 42	NO. 43	NO. 44	NO. 45	NO. 46	NO. 47	NO. 48	NO. 49	NO. 50	NO. 51	NO. 52	NO. 53	NO. 54
-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

Parcel
 Kind of Instrument
 Date of Instrument
 Grantor
 Grantee
 Recorded
 Chester
 Book Page
 Date
 Remarks

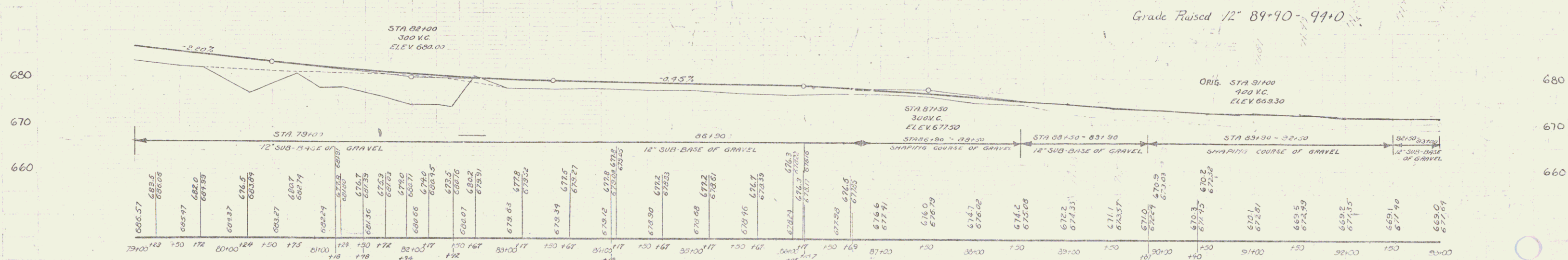
B
 Q.C.D.
 1-16-32
 W.W. & M.B. Goodrich
 Staff Yt.
 32 5-6
 1-16-32



REV. CURVE	REV.	REV.
Δ 25° 22'	11'	0
R 521.7	521.7	
T 112.0	112.2	
L 220.2	230.6	
E 12.4	13.1	
PI 81193.8	81153.0	
PI 81193.8	81193.2	
PC 80177.6	80135.8	
PT 82137.0	82166.4	
Hub	22.72	
6' 18" 0	20.21	

REV. CURVE	REV.	REV.
Δ 9° 55'	11'	0
D 1' 15"	1' 15"	
R 4538.7	4538.7	
T 557.7	397.7	
L 793.3	793.3	
E 12.1	12.1	
PI 87111.1	86172.6	
PI 87111.1	86172.6	
PC 83131.1	82179.9	
PT 91129.9	90173.2	
Hub	5.514	
5' 00"	5' 00"	

GRADE RAISED IN FIELD
 89+30 - 94+00 RAISED 17"
 89+40 RAISED 0.24 FT
 89+50 RAISED 0.67 FT
 89+60 RAISED 1.0 FT
 94+00 RAISED 0.47 FT
 94+50 RAISED 0.3 FT



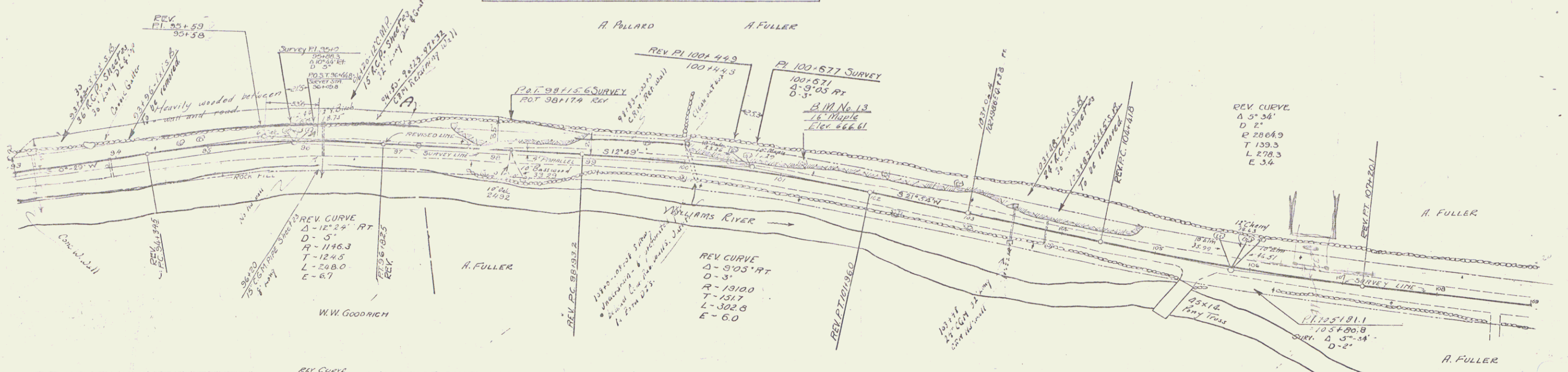
B.M. No. 11 8' Elm 16' RT. STA. 83+25 Elev. 676.57
 B.M. No. 12 Corner Wing Bridge 30' RT. STA. 90+29 Elev. 673.06

WOOD GUARD RAIL REQUIRED			CABLE GUARD RAIL REQUIRED			NEW ROUND CONC PIPE CULVERTS REQUIRED				NEW CORRUGATED GALV METAL PIPE CULVERTS REQUIRED			
Culv. Sta.	Left	Right	Sta.	Long	Const. Ptg. Leng.	Sta.	Diam.	Leng.	Cons. #	Steel	Station	Diam.	Length
95+22	24'	-	93+00	97+78.6	478'	60	330	36"	32'	40 cy	58"	15'	0'
95+24	24'	-											
103+48	24'	24'											

STATE OF PENNSYLVANIA
 DEPARTMENT OF TRANSPORTATION
 PROJECT NO. 125A (1941) AL 54

Parcel	Kind of Instrument	Date of Instrument	Grantor	Grantee	Recorded Chester	Remarks
A	RCD	9-30-31	A.B. Pollard	Staff	Book 31 Page 638	Date 10-3-31

Sta 95+00 - 105+00 ± 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.

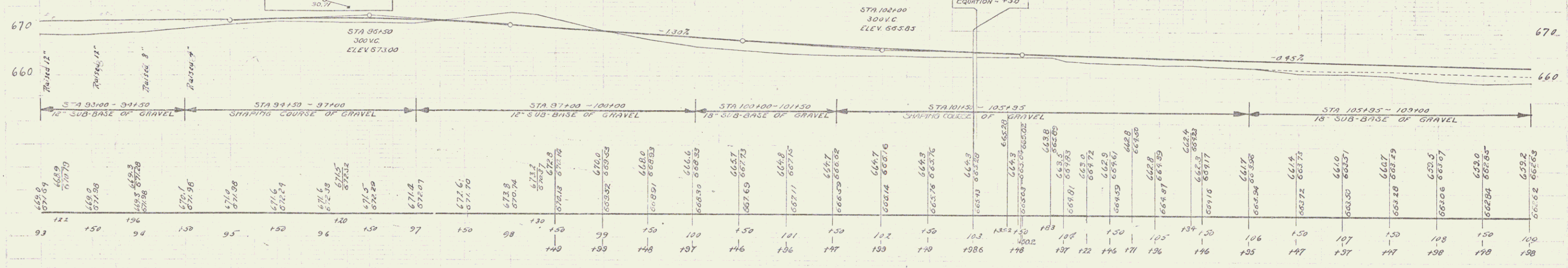


REV. CURVE

1st Revision	12° 26'
Δ	12° 26'
D	5° 0'
R	1146.3
T	123.3
L	246.7
E	7.7
PI	95+92.3
PC	95+191.2
PT	95+330.0

REV. CURVE

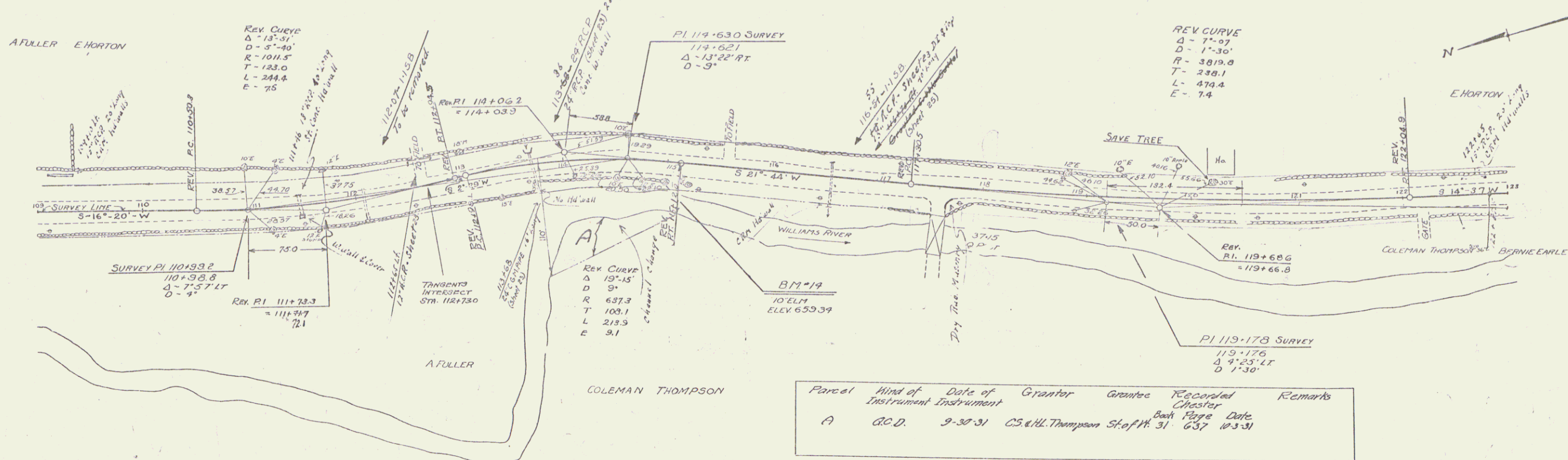
1st Revision	9° 05'
Δ	9° 05'
D	3° 0'
R	1310.0
T	131.7
L	302.8
E	6.0
PI	100+781
PC	100+775
PT	100+443



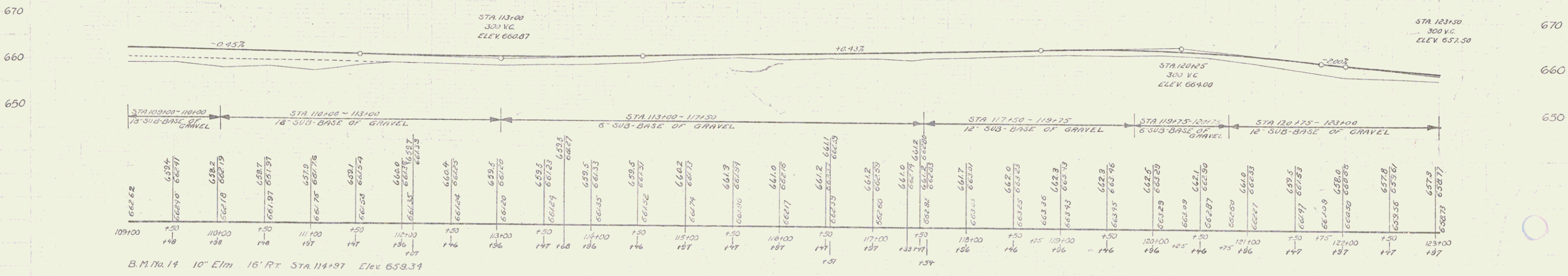
B.M. No. 13 16" Maple 13.5' LT STA 101+8 ELEV 666.61

Wood Gravel Rail Required	Cable Guard Rail Required	New Reinf Conc. Pipe Culverts Required	New Coprivated Galv Metal Pipe Culverts Required	New Reinf Conc. Driveway Pipes Required	Grouted Cobble Gutter Required
Culv. Sta.	Left Right Sta. Leng. Constant Fly. Leng.	Sta. Diam. Leng. Conc. H. Conc. C. Steel	Station Diam. Length	Sta. Diam. Leng. Concrete Rubble Massing	Sta. Width Area
113+48	24' -	113+48-114+00 200' 40' 280'	113+60 24" 80' 13cy. 127"	113+65 15' 22' 2.6 cy.	116+70 Rt. 3'-0" 3.37 yds
114+31	24' -	114+31-114+93 62' 40' 136'			
		114+93-115+16 23' 30' 138'			
		115+16-115+97 81' 20' 84'			

NO. 100 STATE ROAD DIST. 125 A 125 A 12 54
 125 A 125 A 12 54



1st Revision	Now
Δ 13°-51'	13°-48'
D 5°-40'	5°-40'
R 1011.5	1011.5
T 1230	1229
L 244.4	243.6
E 7.5	7.4
PI 111+73.3	111+73.3
111+71.7	111+72.1
P.C. 110+50.3	110+50.3
P.T. 112+94.7	112+94.5

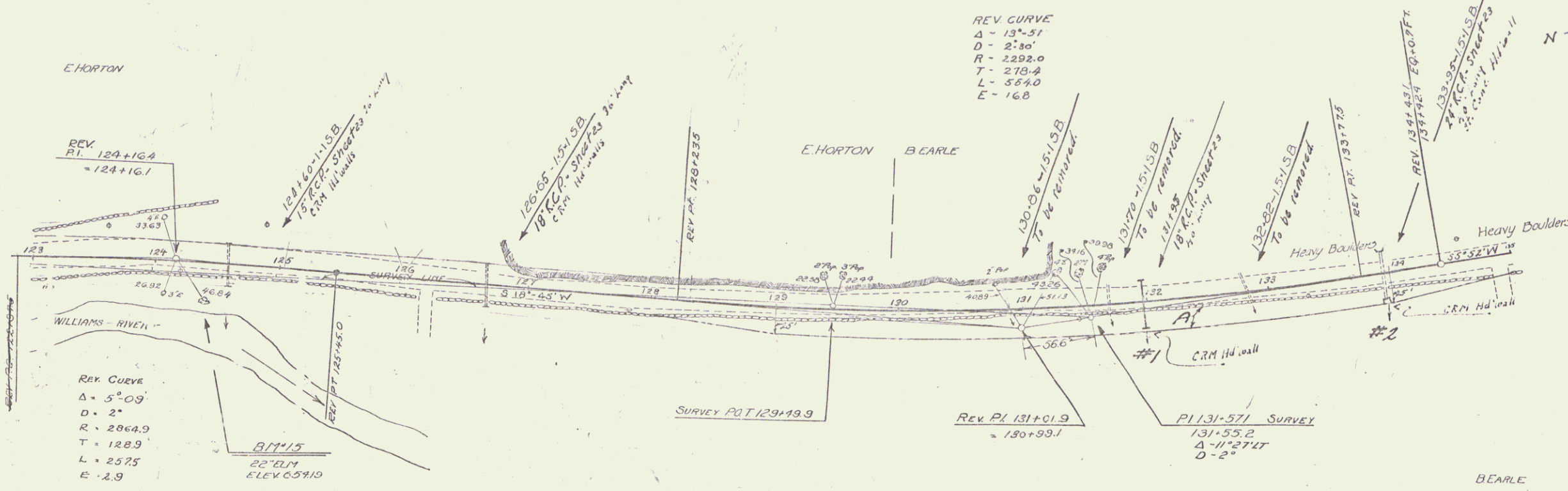


SERIES E No. 125-A
 Sheet 12 of 54

WOOD GUARD RAIL REQUIRED			CABLE GUARD RAIL REQUIRED			NEW KEENE CONC. PIPE CULVERTS REQUIRED				
Cully Sta.	Left	Right	Sta.	Long Center	By-Long	Sta.	Diam	Length	Conc. #	Steel
124740	24'	-	128100-128100	198'	20'	128160	15"	36'	18	54"
126745	24'	24'				126765	18"	36'	10	54"
131197	24'	24'				131197	18"	40'	3.0	33"
133195	24'	24'				133195	18"	40'	24.4	34"

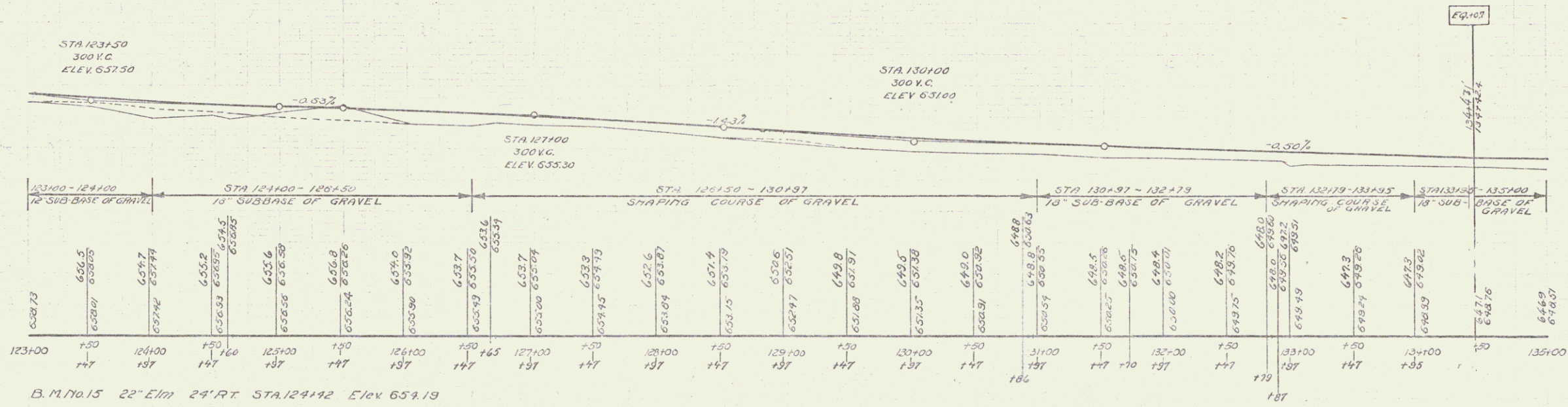
Parcel	Kind of Instrument	Date of Grant	Grantee	Grantee	Recorded	Remarks
A. C. 12472	C.C.D.	7-27-31	B. M. J. Earle	Staf. H. 7	6/6	7-27-31 Cully Sta. 131197, 133195

STATE OF VERMONT
 5 VT. 125-A 1951 13 54



1st Bearing	Now
Δ 4°-08'	5°-09'
D 2°-0'	2°-0'
R 2864.9	2804.8
T 103.4	128.9
L 206.7	257.5
E 1.9	2.9
P.I. 124+156	124+164
P.C. 123+12.3	122+18.25
P.T. 125+130	125+45.0

1st Bearing	Now
Δ 13°-29'	13°-51'
D 2°-30"	2°-30"
R 2292.0	2292.0
T 270.9	278.4
L 539.3	554.0
E 13.7	16.8
P.I. 131+00.3	131+01.9
P.C. 128+30.0	128+23.5
P.T. 133+69.3	133+72.5

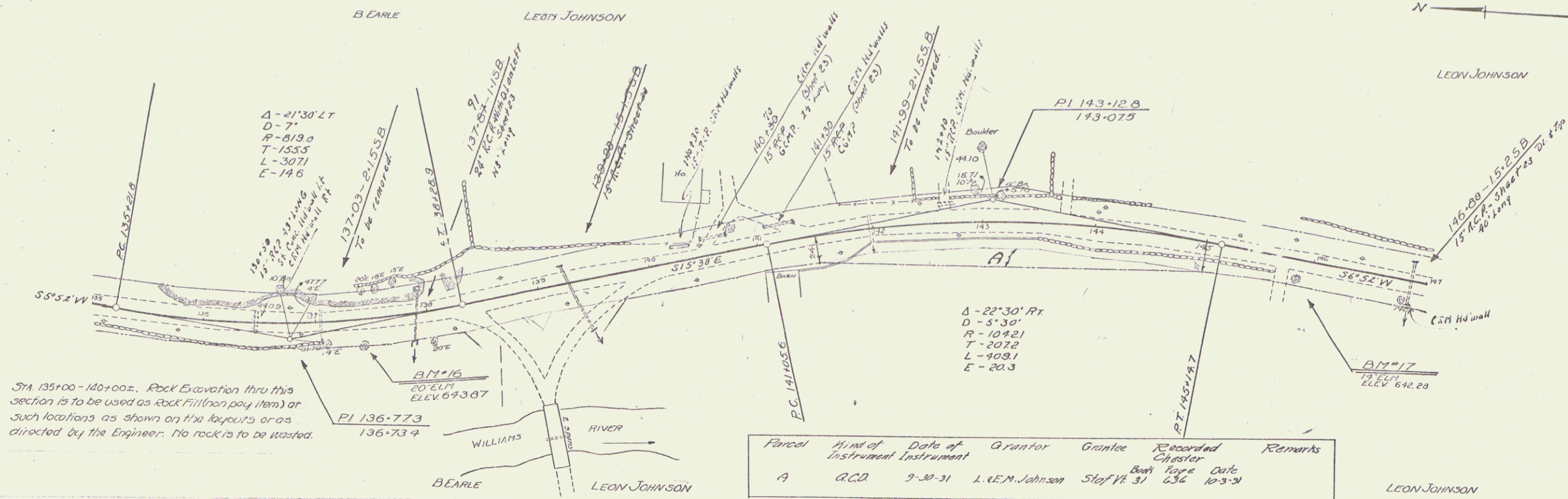


SERIES F No 125-A
 sheet 13 of 54

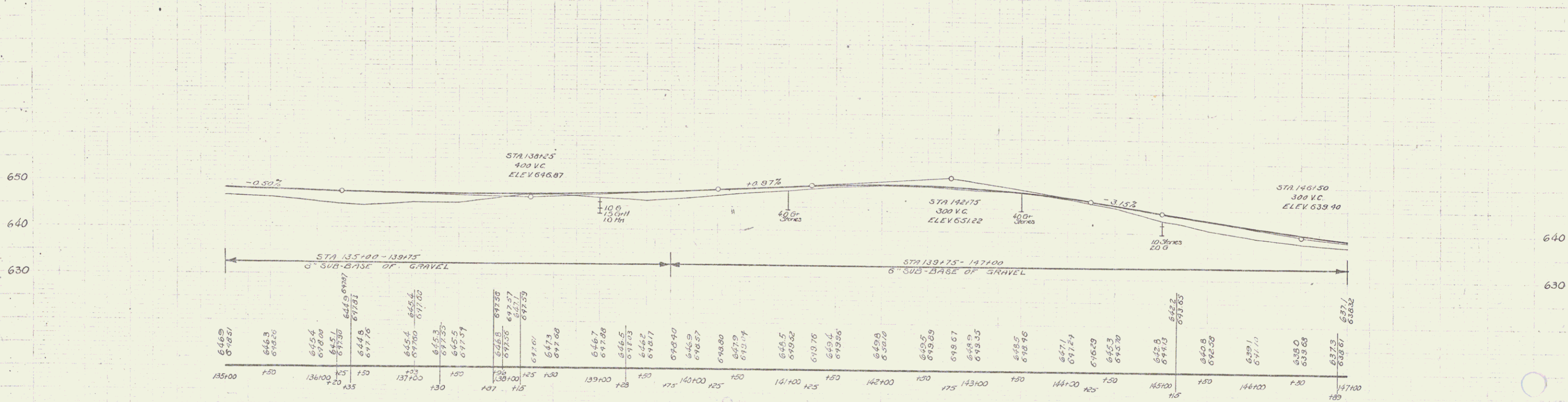
WOOD GUARD RAIL REQUIRED			GRAVEL GUARD RAIL REQUIRED			NEW REIN CONC PIPE CULVERTS REQUIRED					
Cully Sta	Left	Right	Sta	Long	Const	Sta	Diam	Long	Conc. A	Conc. C	Steel
137187	24'		135196-138104 R	201'	40"	288'	137187	24"	44'	2.8 cy	138"
139+28	24'	24'	141180-142180 R	100'	40"	181'	139128	15"	44'	2.3 cy	33"
146189	24'		145175-147100 R	125'	40"	185'	146189	15"	40"	2.3	33"

NEW REIN CONC DRIVEWAY PIPES REQUIRED				
Sta	Diam	Long	Cement	Rebar/Masonry
140170 L	15"	24'	2.6 cy	
141130 L	15"	24'	2.6 cy	

ED. ROAD STATE	FLA. RD. DIST. CAT.	SHEET TOTAL
5	125-R	18 54



Sta. 135+00-140+00z. Rock Excavation thru this section is to be used as Rock Fill (non pay item) at such locations as shown on the layouts or as directed by the Engineer. No rock is to be wasted.



B.M. No. 16 20' Elm 21' RT STA 137+40 Elev 643.87
 B.M. No. 17 14' Elm 15' RT STA 145+83 Elev 642.28

WOOD GUARD RAIL REQUIRED		
Culv. Sta.	Left	Right
149158	24'	-
153159	24'	28'
162125	24'	28'

CABLE GUARD RAIL REQUIRED			
Sta.	Length	Constant	Qty. Length
147100-147170 Kl. 71'	70'	95'	-
149146-150100 Kl. 152'	40'	192'	-
153100-156126 Kl. 124'	40'	160'	-

NEW REIN. CONC. PIPE CULVERTS REQUIRED				
Sta.	Diam.	Length	Conc. K.	Conc. C. Steel
149158	28"	40'	2.4 cy.	54"
153159	15"	40'	1.3	33"
156107	15"	40'	1.3	33"
162125	24"	40'	2.4	54"

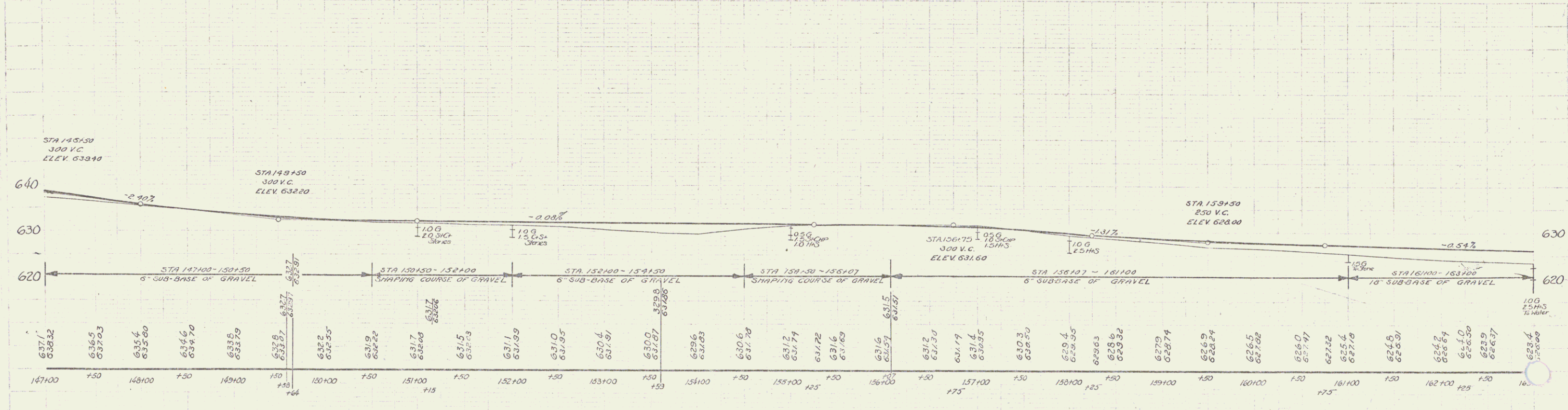
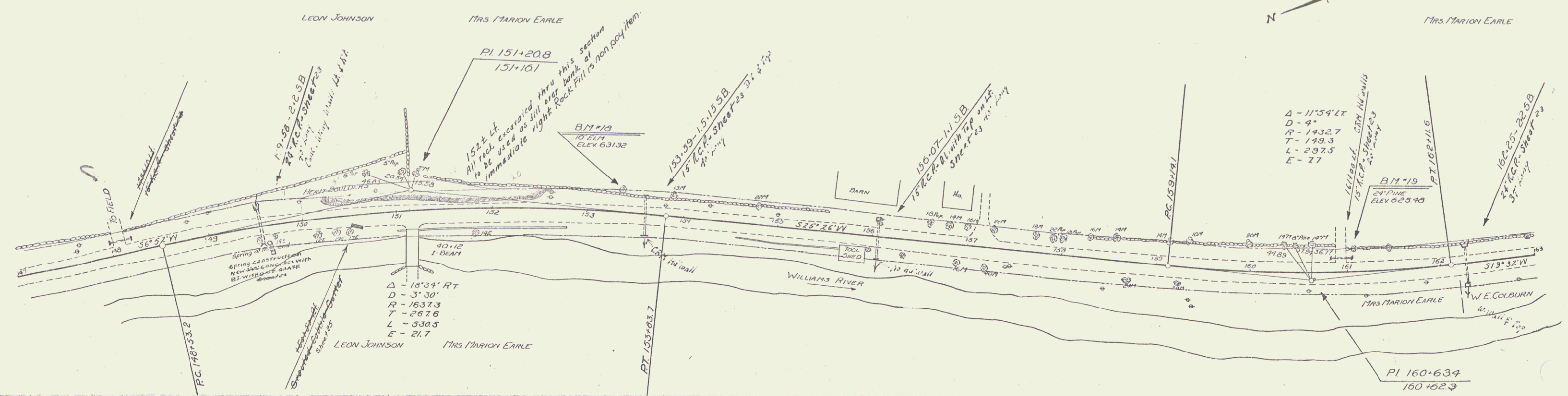
NEW REIN. CONC. BOX CULV. REQUIRED			
Sta.	Size	Conc. K.	Steel
149158	24"	400 Y.	308"

NEW REIN. CONC. DRIVEWAY PIPES REQUIRED			
Sta.	Diam.	Length	Cement Rubble Masonry
14100 Lt.	15"	20'	2.6 cy.
14810 Lt.	15"	20'	2.6

GROUTED COBBLE GUTTER REQUIRED		
Width	Area	
3'-0"	3.99 yds.	

WOOD GUARD POSTS REQUIRED		
Culv. Sta.	Left	Right
156107	1	-

STATE OF TEXAS
COUNTY OF TARRANT
125-A 1931 15 54

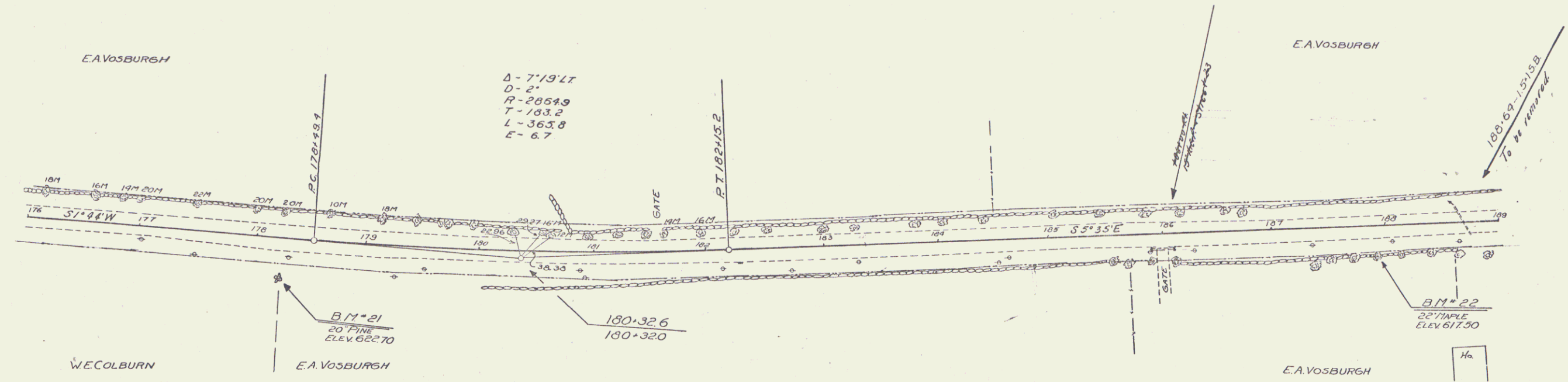
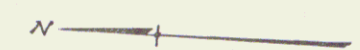


B.M. 170.18 10" Elm 21.5' Lt. STA 153+35 Elev 631.32
 B.M. 170.19 24" Pine 25' Lt. STA 161+07 Elev 625.98

SERIES F NO 125-A
 Sheet 15 of 54

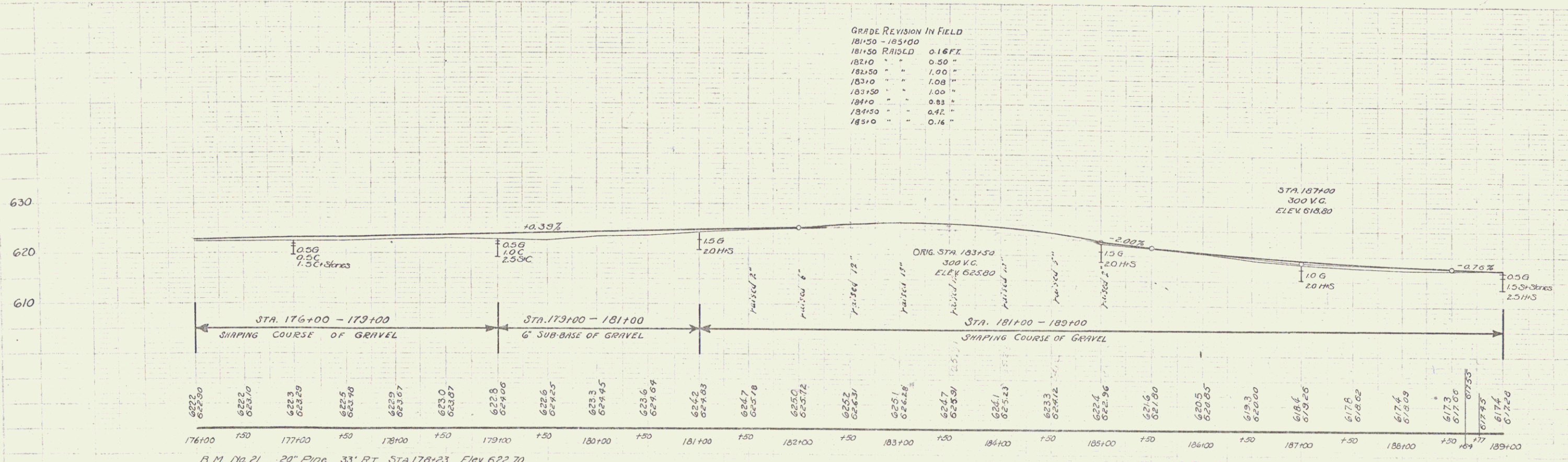
NEW REINF CONC DRAINAGE PIPES REQUIRED
 Sta. Blant. Leng. Cem. Reb. Mar.
 186100 R. 15' 24' 16 cy

DATE	STATE	PROJECT	SHEET	TOTAL
125-A	1931	17	54	



GRADE REVISION IN FIELD

18150 - 185100	0.16 FT.
18150	RMSLD 0.50"
18250	" 1.00"
18350	" 1.08"
18450	" 1.00"
18510	" 0.42"
18510	" 0.16"



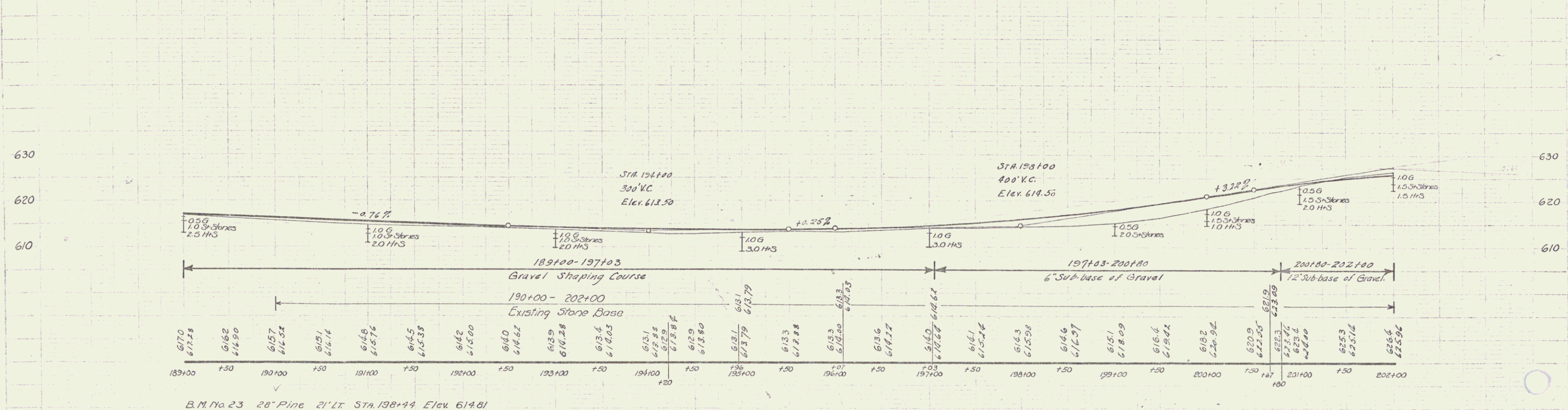
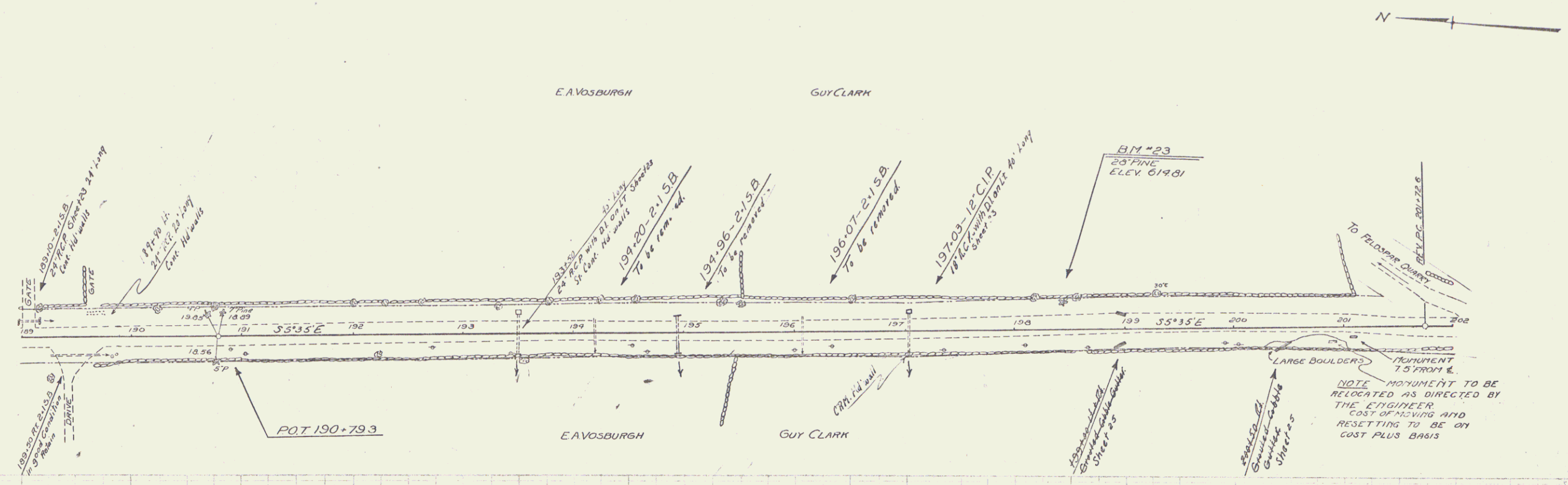
B.M. No. 21 20" Pine 33' RT. STA. 178+23 Elev. 622.70
 B.M. No. 22 22" Maple 24.5 RT. STA. 187+93 Elev. 617.50

Wood Guard Rail Required		Cable Guard Rail Required		New Rein. Conc. Pipe Culverts Required	
Culv. Sta.	Left Right	Sta.	Length	Sta.	Diarm. Length
193150	24' 24'	198144-201100 KH	156' 40"	193150	24" 36' 20' 24"
197103	24' 24'		296'	197103	18" 40' 16" 15' 128"

New Rein. Conc. Driveway Cully Required			
Sta.	Lo-P	Diarm.	Length
189100 L.	24"	24"	400'

GRAVEL GUTTER REQUIRED		
Sta.	Width	Area
199100 LH+RH	3'-0"	5.39 yds.
200150 KH	3'-0"	5'-"

STATE OF OHIO
 DIST. NO. 125-A
 1931
 SHEET NO. 18
 54

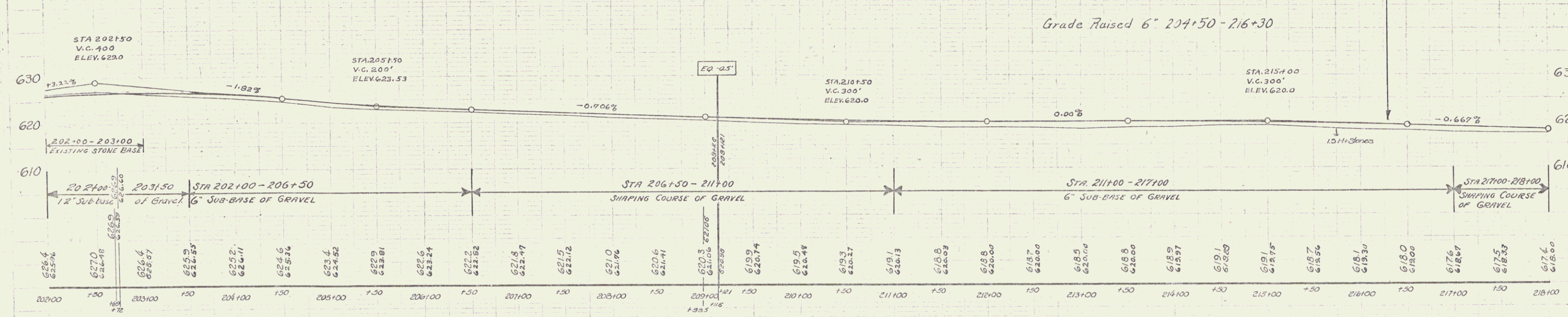
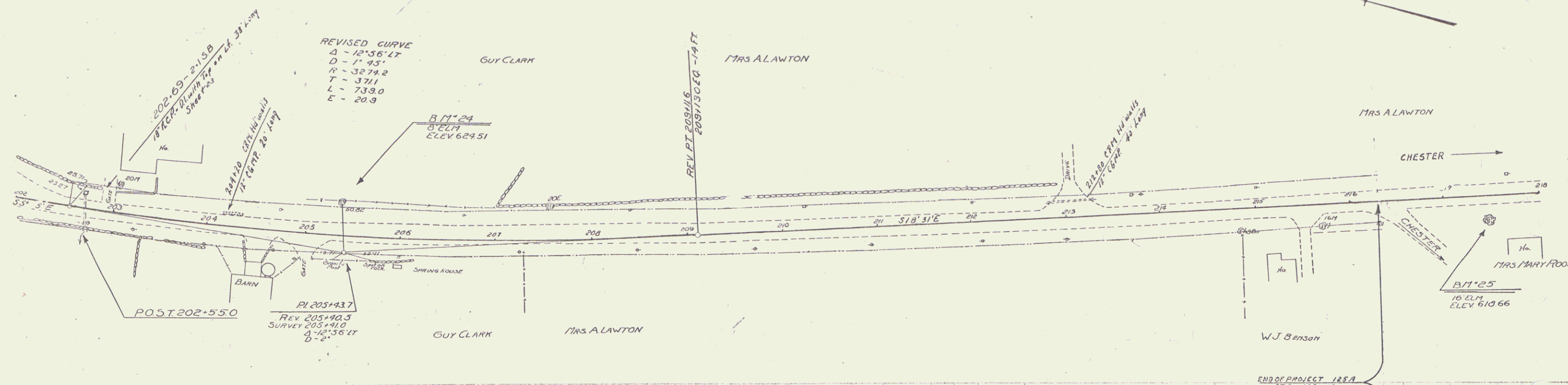


B.M. No. 23 28" Pine 21' Lt. Sta. 198+44 Elev. 614.61

Wood Gyro Rail Required
 Curb Sta. Left Right
 202+69 26' 28'

NEW REIN. CONC PIPE CULVERTS REQUIRED
 Sta. Diam. Leng. Conc. # Steel
 202+69 18" 46' 2.3c.y. 10#

DATE 125-A 1931 19 34

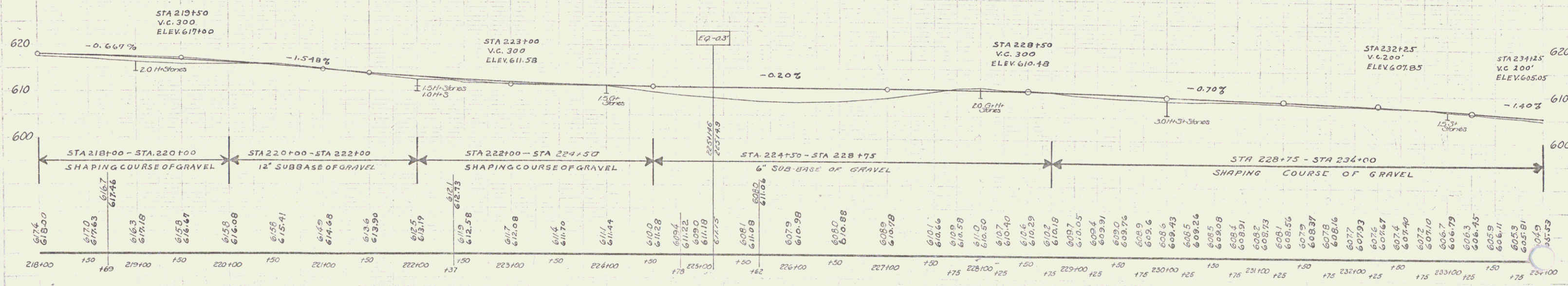
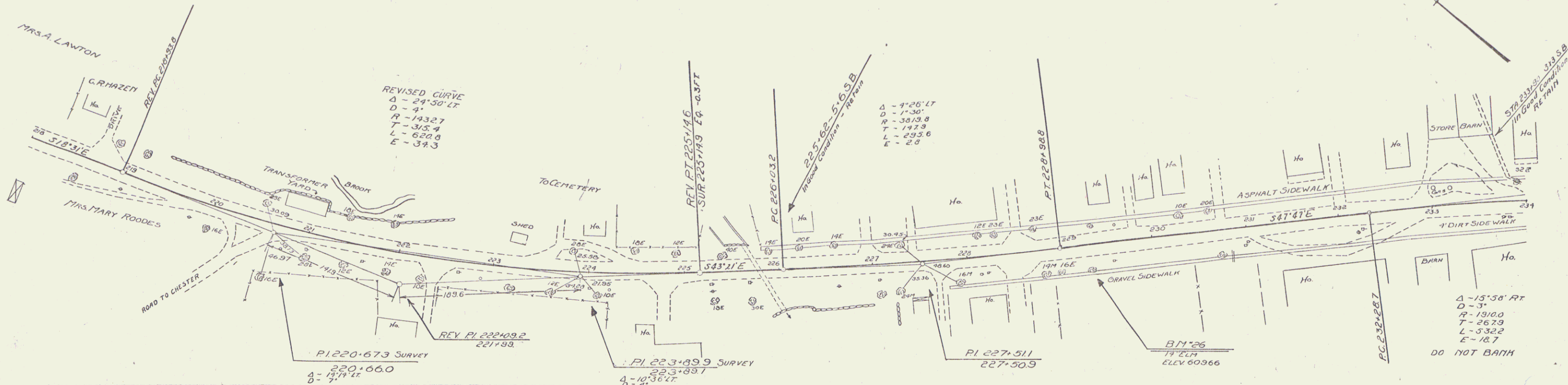


B.M. No. 24 8" E.L.M. 32' LT. STA. 205+36 Elev. 624.51
 B.M. No. 25 16" E.L.M. 22' RT. STA. 217+46 Elev. 610.66

SERIES F No. 125-A
 Sheet 19 of 34

CABLE GUARD RAIL REQUIRED
 Sta. Long Center Hwy Long
 125121-225171-48' 40' 88'

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

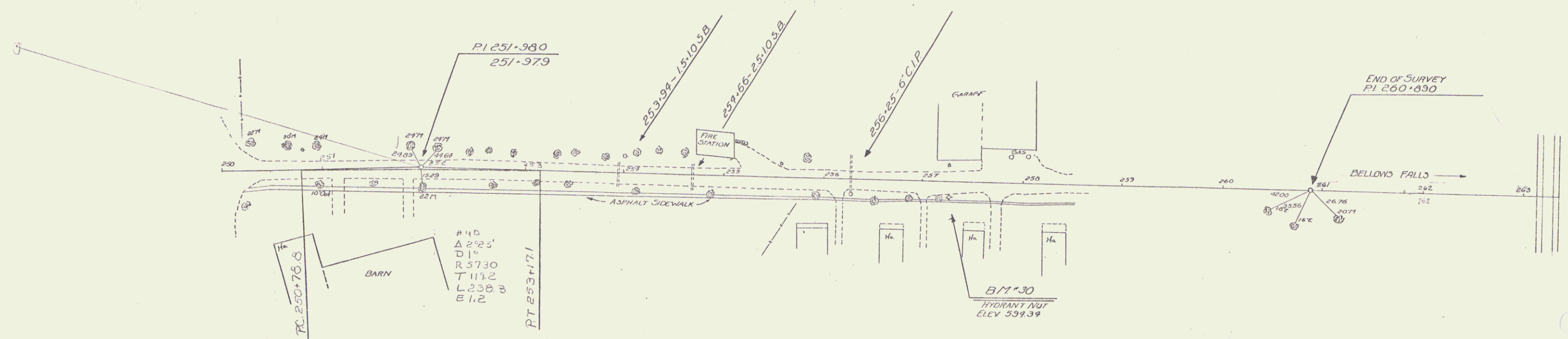


B. M. No. 26 14' Elm 24' Rt Sta. 229+31 Elev. 609.66

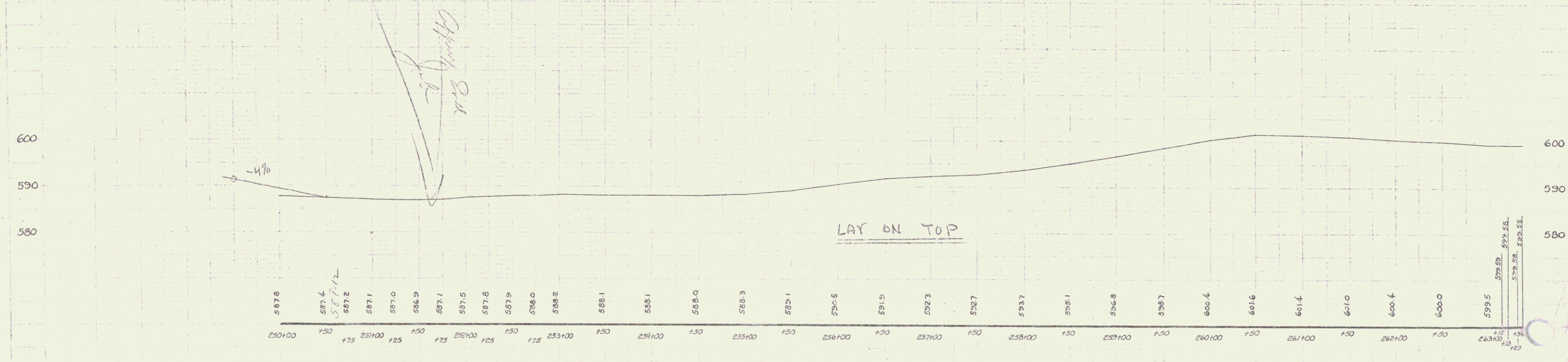
SERIES F No. 125-19
 Sheet 20 of 54

18

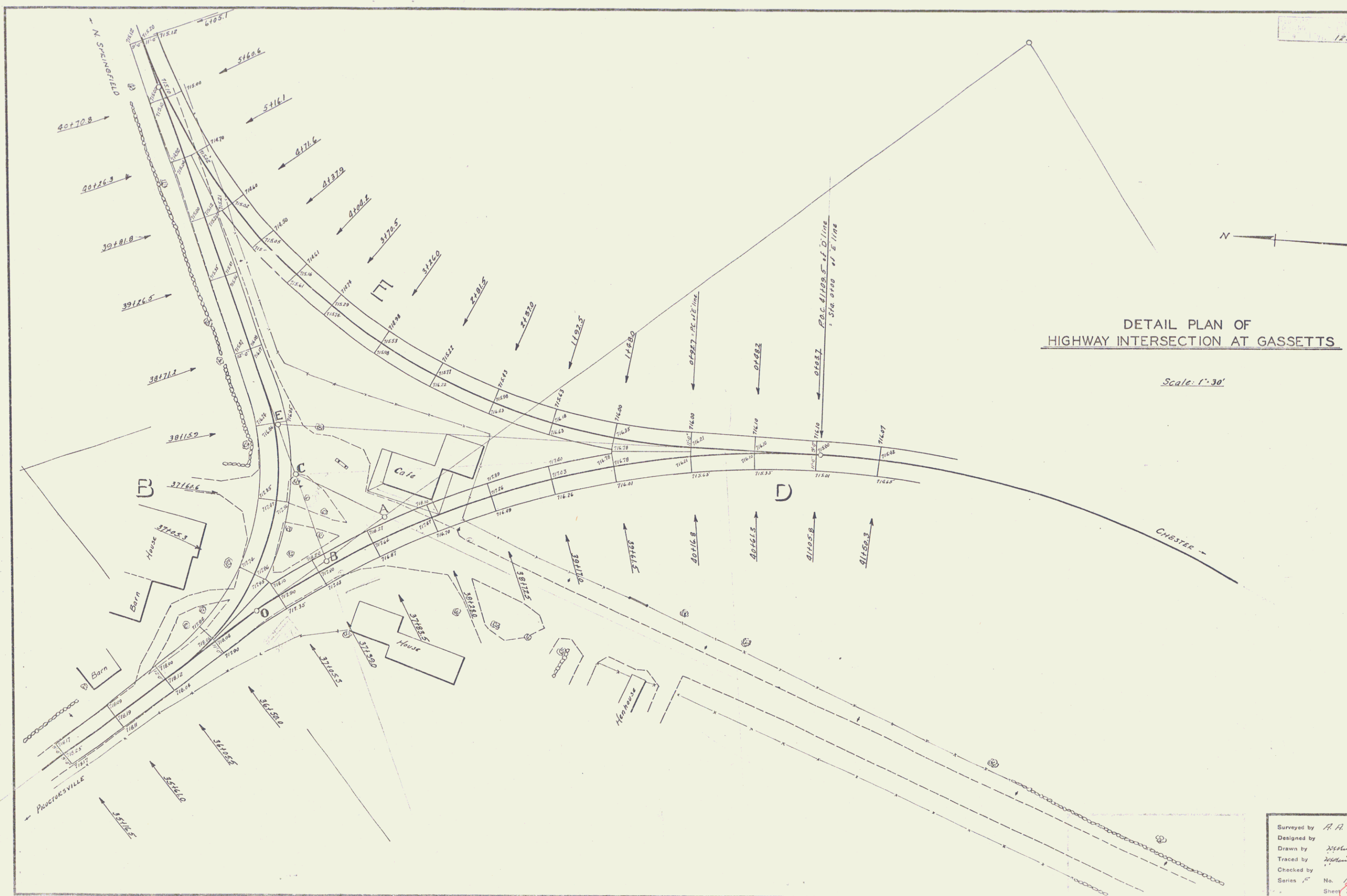
6-8-6
 25-5-3
 8-



B.M. 30 Hydrant Nut - 15' S RT of 257+25 - E 594.34



125A 199 22 54



DETAIL PLAN OF
HIGHWAY INTERSECTION AT GASSETTS

Scale: 1"=30'

Surveyed by A. H. Doe
 Designed by *H. H. Doe*
 Drawn by *H. H. Doe*
 Traced by *H. H. Doe*
 Checked by *H. H. Doe*
 Series No. 125A Filed
 Sheet 22A of 54 Sheets