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STATE OF VERMONT STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FEDERAL AID PROJECT

Pin# 99R343

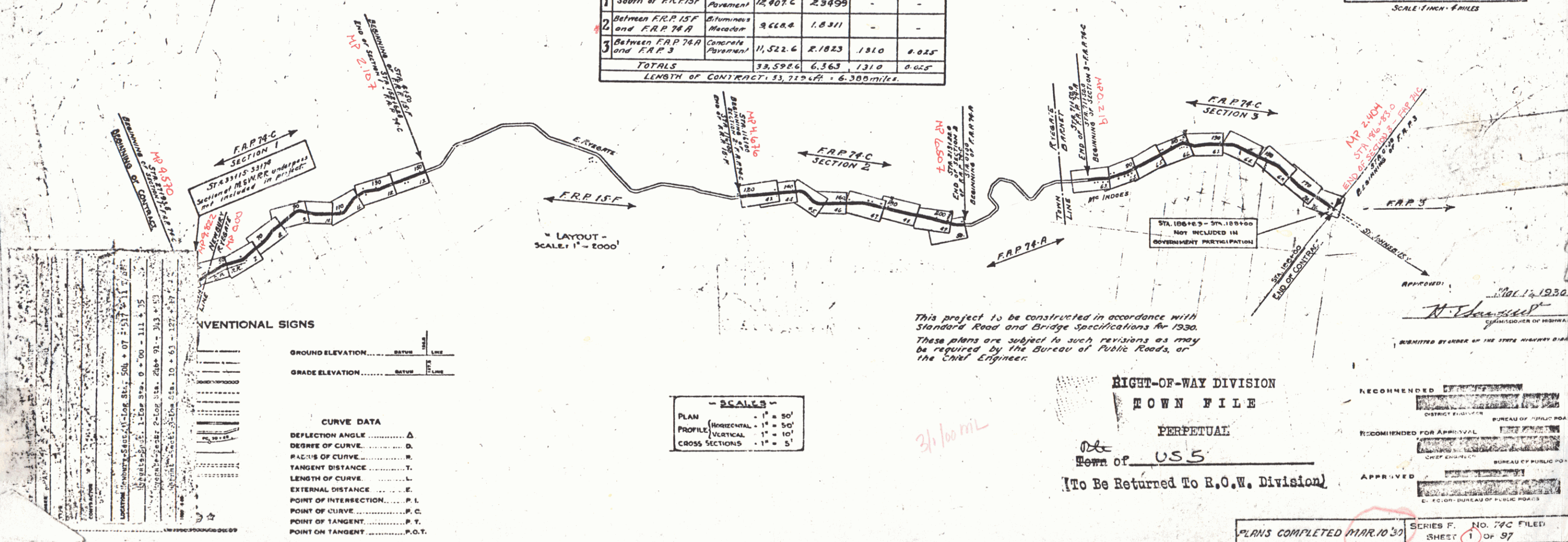
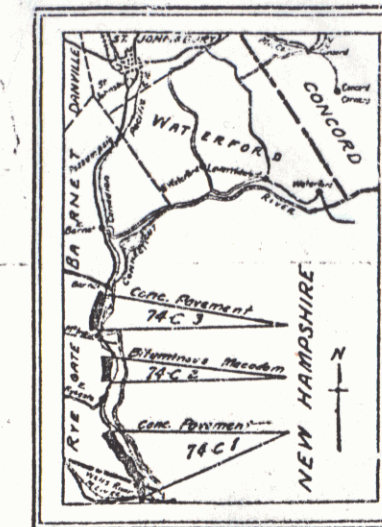
TOWNS OF NEWBURY- RYEGATE- BARNET

WELLS RIVER- ST. JOHNSBURY ROAD

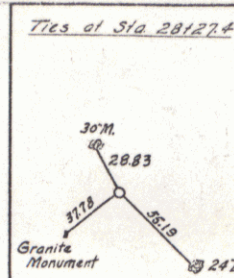
FROM THE BRIDGE ON ROUTE U.S. 5 IN WELLS RIVER
NORTH 6.388 MILES TO FAP 3 EXCLUDING F.R.P. 15F AND FAP. 74A

Project: FAP74C

SECTION	TYPE	LENGTHS			
		Old Participation		New Gov't Participation	
		FEET	MILES	FEET	MILES
1 South of F.R.P. 15F	Concrete Pavement	12,407.6	2.3499	-	-
2 Between F.R.P. 15F and F.R.P. 74A	Bituminous Macadam	9,668.4	1.8311	-	-
3 Between F.R.P. 74A and F.R.P. 3	Concrete Pavement	11,522.6	2.1823	1310	0.025
TOTALS		33,598.6	6.363	1310	0.025
LENGTH OF CONTRACT: 33,712.6 ft. = 6.388 miles.					



WOOD GUARD RAIL REQUIRED		
Station	Left	Right
36100	24'	-



CABLE GUARD RAIL REQUIRED		
Stations	Left	Right
27193-32117	-	424'

NEW CAST IRON PIPE CULVERTS REQUIRED					
Station	Span	Length	Concrete	Steel	Dis. Gns.
28140	16"	44'	14.4	90"	1
30135	18"	36'	14	99	1
35114	12"	28'	2.8	198	2
36100	18"	36'	1.4	99	1

OTHER DROP INLETS REQUIRED					
Station	Side	Concrete	Steel	Grates	Size
28118	LA	14 c.y.	99"	1	20" x 20" x 12"
35180	RA	14	99	1	20" x 20" x 12"

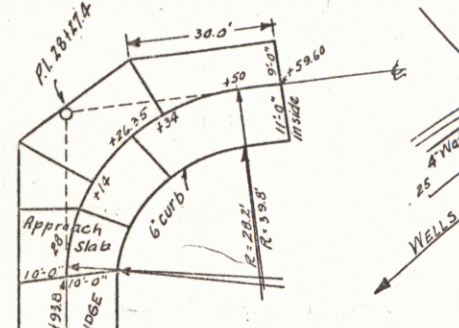
NEW VIT. CLAY PIPE REQUIRED					
Stations	Left	Right	Length	Size	Depth
27038-31405	0	20'	6"	24.5	10.33
33174-34185	L	20'	6"	10	2.95

CULVERT REPAIRS REQUIRED			
Station	Type	Repair	Concrete
35125	4195	NEW FLOOR	9.0 Cu Yds

BOULED COPPER GUTTER REQUIRED			
Stations	Left	Right	Length
28125	0	40'	2.74
30125	0	40'	2.74

74C	1939	5	97
-----	------	---	----

STA 27193-27193.8
Present structure beam bridge
Length over all 685 ft
Roadway width, 20 ft
Constructed in 1929



SLAB LAYOUT - BRIDGE APPROACH
Scale: 1" = 20'

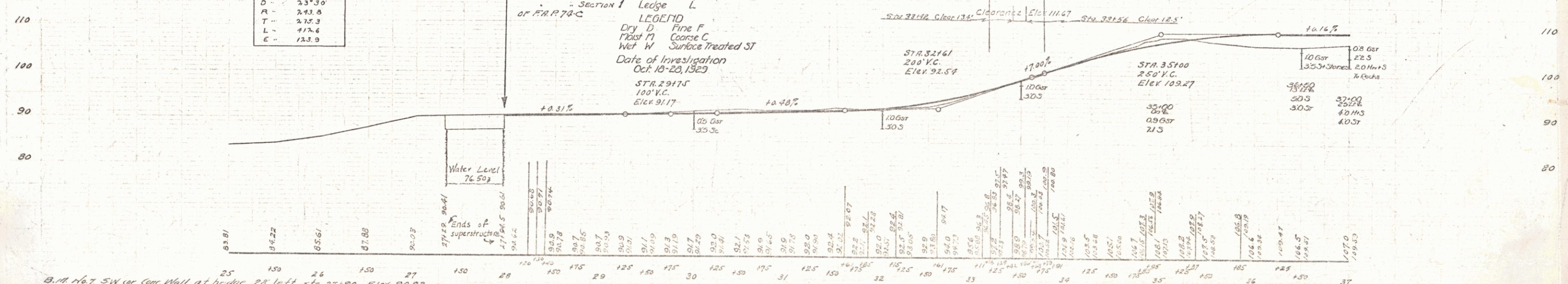
Note:
Driveways to be constructed to provide
satisfactory approaches to pavement
at locations shown on cross-sections, or
as directed by the Engineer.

CURVE 9	
REVISIONS	1930
PI	33+96.1
PC	31+20.9
PT	37+32.4
Δ	94° 57'
D	23° 30'
A	243.8
T	212.3
L	472.4
E	123.9

POST	
REVISIONS	1930
TIES RECORDED	AT 32+40
	JULY 31

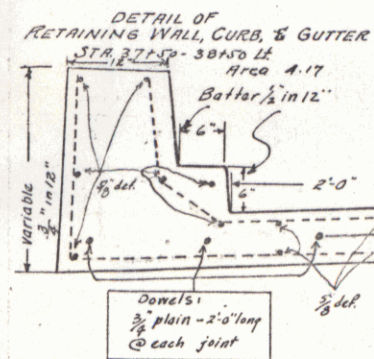
SUB-SOIL CLASSIFICATION
STRA 27193.8
BEGINNING OF PROJECT - CONTRACT I
OF F.R.R. 74-C

LEGEND
Dry D Fine F
Moist M Coarse C
Wet W Surface Treated ST
Date of Investigation
Oct. 10-20, 1929
STRA 29175
100' V.C.
Elev 91.17

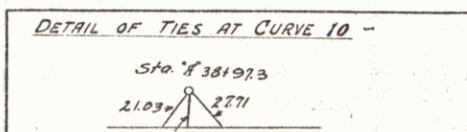


B.M. No. 7 SW cor. Conc. Wall at bridge 28' left Sta. 27190 Elev 90.23
B.M. No. 8 S.E. cor. granite step 70 ft left of Sta. 35120 Elev 114.12

Joists on curb and gutter not to exceed 8' apart. Formwork to be uniform. Excavation to be 12" below grade. Retaining walls to be either cast in place or built up. Joints to be at least 10' apart. Joints to be at least 10' apart.



CONC. CURB-GUTTER & RETAINING WALL. Sta. to Sta. Length Conc. Curb Steel 3750-3810 160' 15.5 CY 1500'



CABLE GUARD RAIL REQUIRED

Stations	Left	Right
37100-38120	280'	184'
38120-42140	280'	184'
42140-47150	104'	544'

CONCRETE RIBBING REQUIRED

Sta. to Sta.	Length	Cu. Yds.	Side
37100-46115	35	8	Rt

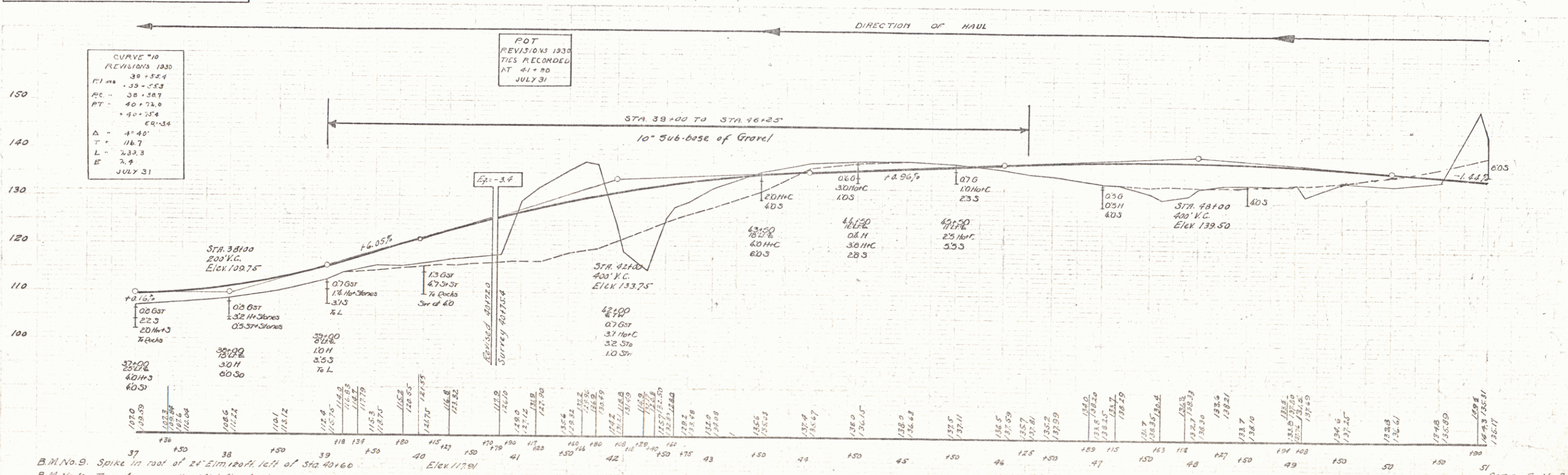
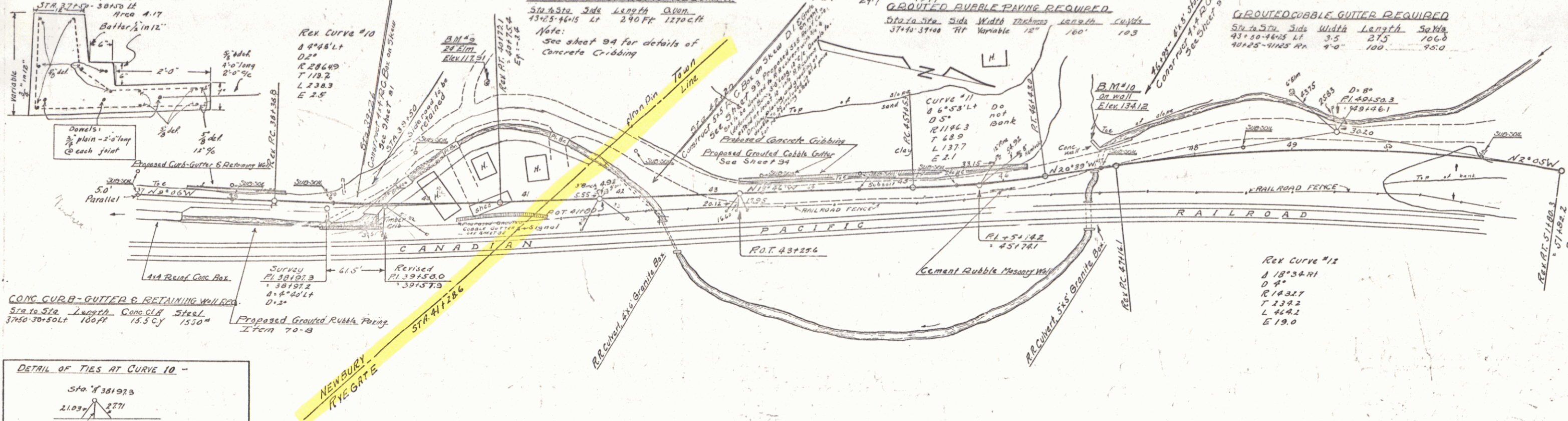
NEW REIN. CONC. BOX CULVERTS REQUIRED

Station	Size	Conc. H.	Steel
37100-37140 R.L.	4'x4'	72 CY	5230'
38120	4'x4'	44.4	2986
42140	5'x5'	47.2	3796
47150	5'x5'	27.7	1977

DROP INLETS REQUIRED

<u>Station</u>	<u>Side</u>	<u>Conc. A.</u>	<u>Steel</u>	<u>D1#Grout</u>
42140	Rt.	14 c.y.	99'	1

See on file



B.M. No. 9. Spike in roof of 24" Elm 120' left of Sta. 40160
B.M. No. 10. Top of conc. wall, 24' left of Sta. 47125 Elev. 134.12

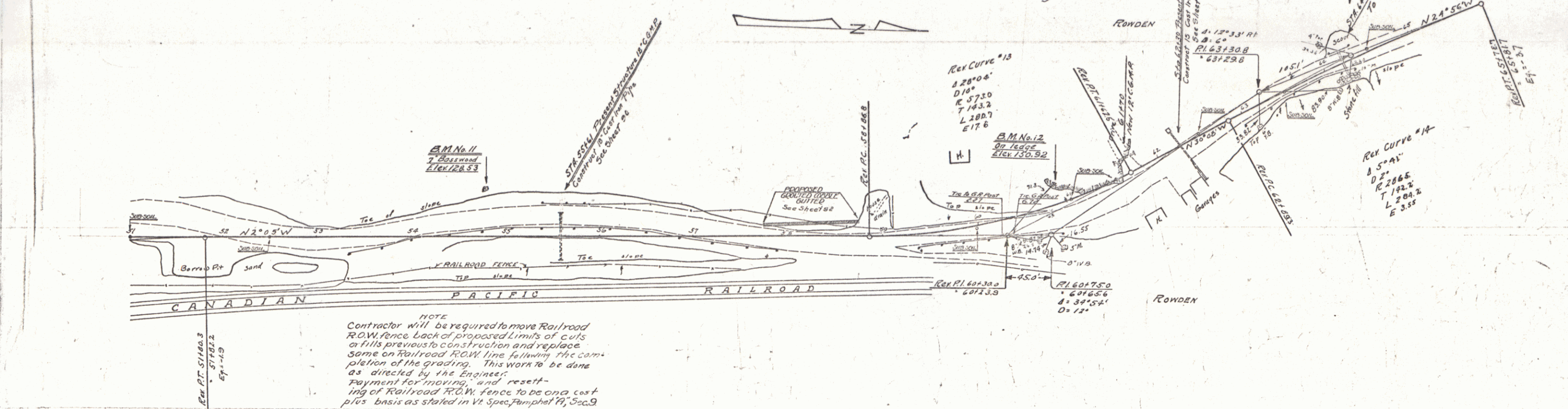
WOOD GUARD RAIL REQUIRED		
Station	Left	Right
62130	26'	-

CABLE GUARD RAIL REQUIRED		
Stations	Left	Right
55180-60108	-	624'
55161	48'	-
63100-64136	-	136'

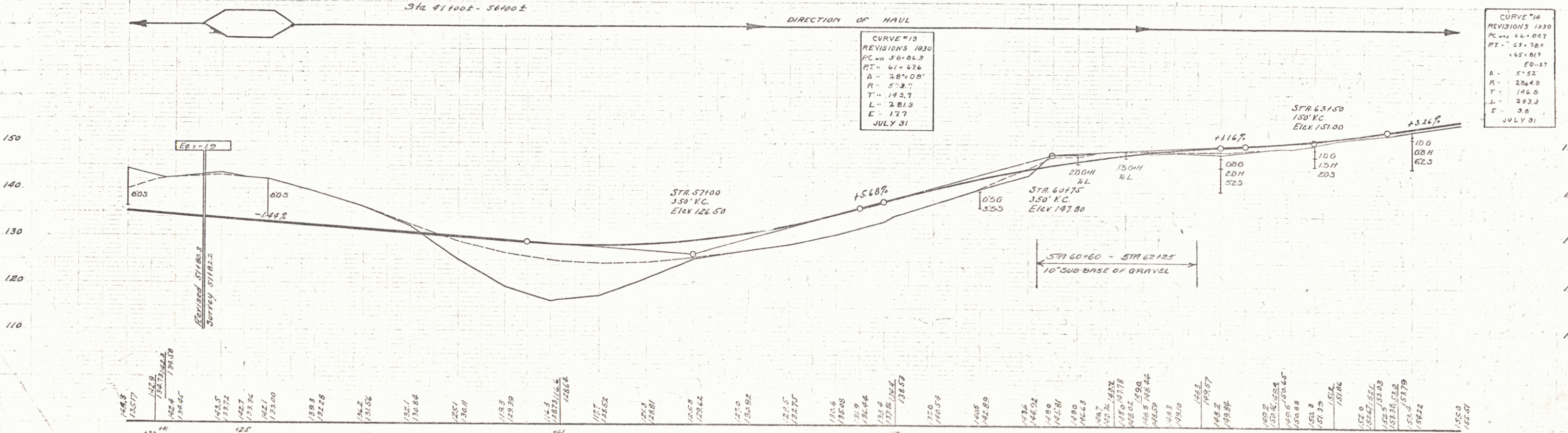
NEW CAST IRON PIPE CULVERTS REQUIRED						
Sta	Diam	Length	Comp. B	Comp. C	Steel	Post Top
55161	18"	52'	-	3.0	3.3	-
62130	15"	64'	1.5	1.9	17.4	1

ACQUIRED CORRELATION REQUIRED			
Sta	Dist. from Locality	Area	Area
5725.3275	11'	40'	100H
440			

NEW C.G.M. DRIVEWAY PIPES REQUIRED			
Station	Diam	Length	Comp. Material
61174H	12"	24'	2.3 c.y.



NOTE
Contractor will be required to move Railroad ROW fence back of proposed limits of cuts or fills previous to construction and replace same on Railroad ROW line following the completion of the grading. This work to be done as directed by the Engineer.
Payment for moving and resetting of Railroad ROW fence to be on a cost plus basis as stated in Vt. Spec. Pamphlet 19, Sec. 9.



B.M. No. 11. Spike in roof of 7' Basswood, 49' left of Sta. 54778, Elev. 128.53.
B.M. No. 12. Point on ledge, 25' left of Sta. 60191, Elev. 150.92.

SERIES F No. 74C Sec. 1
SHEET 97

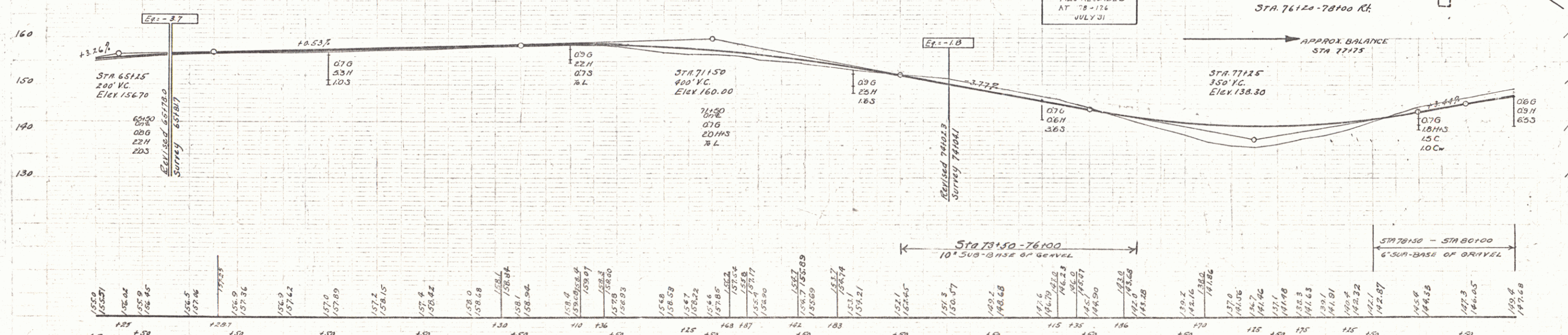
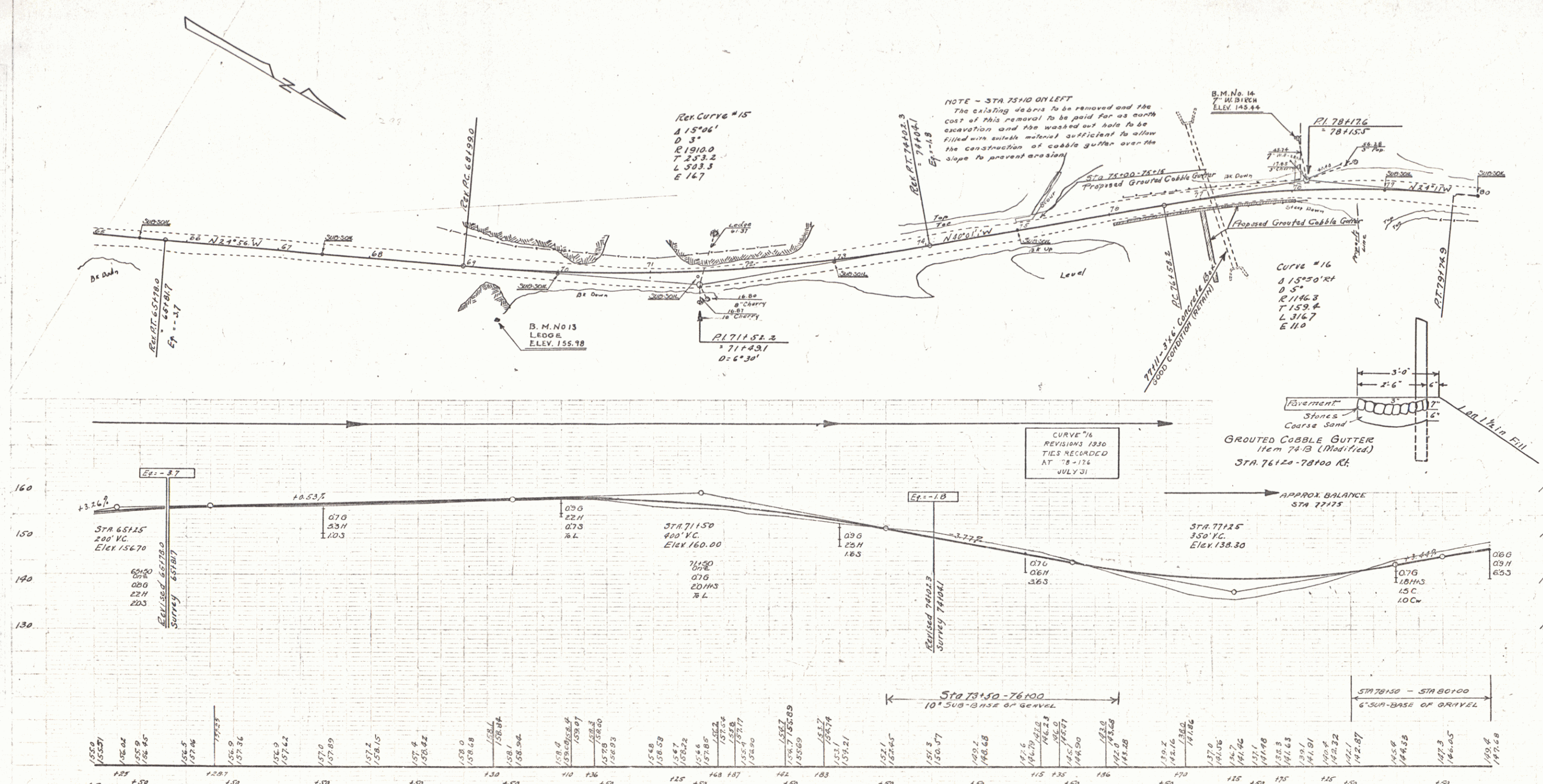
CABLE GUARD RAIL REQUIRED

Stations	Left	Right
76120-78120	200'	200'

GROUTED COBBLE GUTTER REQUIRED

STATION	Clearance	Width	Length	Area
76120-76175	4'	4'	55'	335.5 sq. ft.
76175-76200	4'	4'	25'	156
76200-76250	4'	4'	50'	356
76250-76300	4'	4'	50'	356

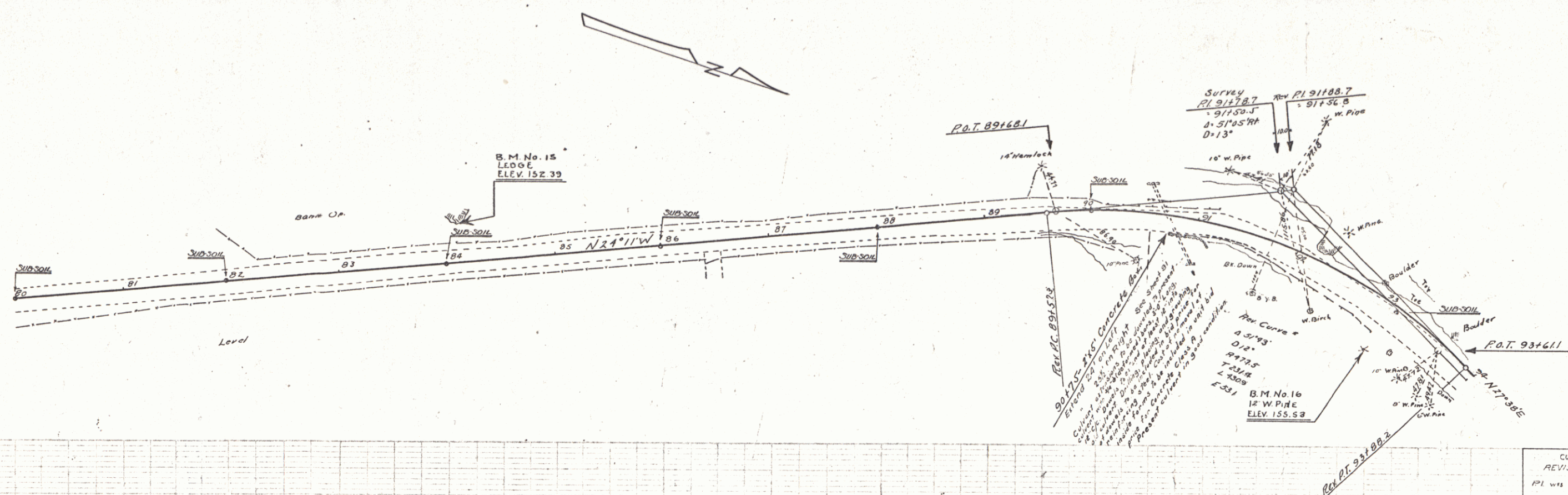
STATE OF NEW YORK
COUNTY OF ALBANY
74C 1930 8 97



B.M. No. 13 Point on Ledge 58' Rt. Sta. 69+38 Elev. 155.98
B.M. No. 14 Spike in root of T. W. Birch 57' L. Sta. 78+03 Elev. 145.44

CULVERT EXTENSIONS REQUIRED					
STATION	SIZE	LENGTH		CONCR	STEEL
		LEFT	RIGHT		
90+75	2'x5'	2'-4"	25 1/2'	24" C.C.	1378#

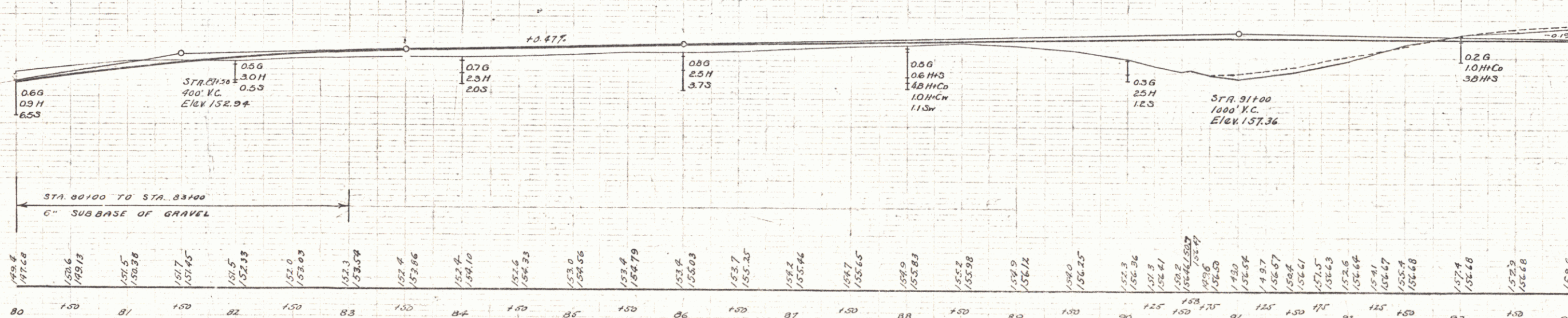
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	OF SHEETS
9	VT.	74C	1930	9	9



CURVE #17
REVISIONS 1930

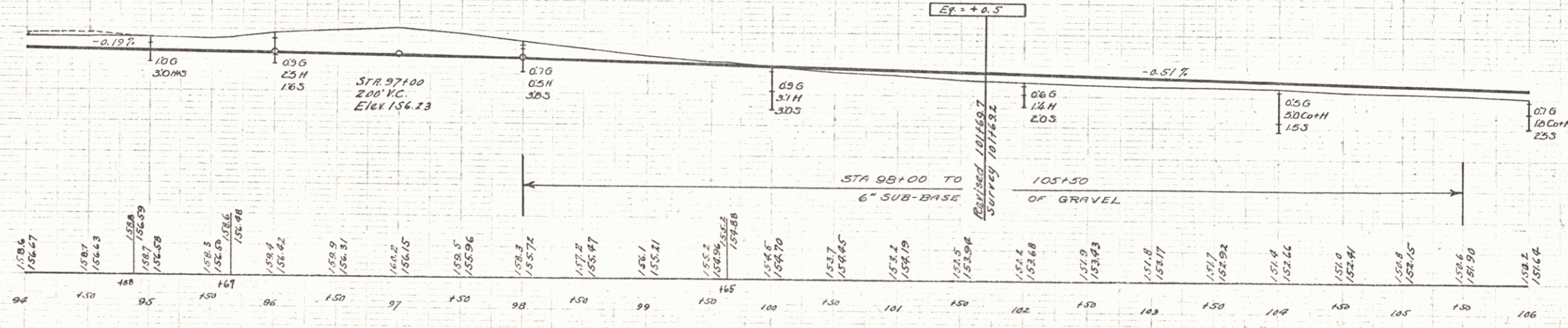
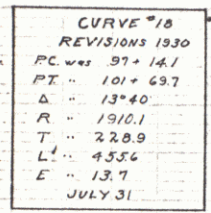
PI	was	91 + 88.7
		= 91 + 56.7
P.C.	"	89 + 56.0
P.T.	"	93 + 88.6
Δ	"	51° 49'
R	"	478.4
T	"	231.9
L	"	341.8
E	"	53.4

JULY 31



B.M. No. 15, Point on 15' Ledge 36' Lf. Sta. 84+13 Elev. 152.39
B.M. No. 16, Spike in root of 12" Pine 45 Rt. " 93+06 " 155.53

FED. ROAD DIST. NO.	STATE	FD. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	VT	74C	1936	10	97



B. M. No. 17 Point on ledge by fence 57 ft. lf. of Sta. 99 + 80 Elev. 159.13

WOOD GURKO RAIL REQUIRED

Station	Left	Right
107154	24'	24'
119126	24'	24'
116100	24'	24'

NEW CAST IRON PIPE CULVERTS REQUIRED

Station	Diam	Length	Conc'd	Steel
107154	15"	40'	—	230T 33"
119126	18"	40'	—	300T 33"
116100	15"	41'	—	230T 33"

NEW VITRIFIED CLAY PIPE REQUIRED

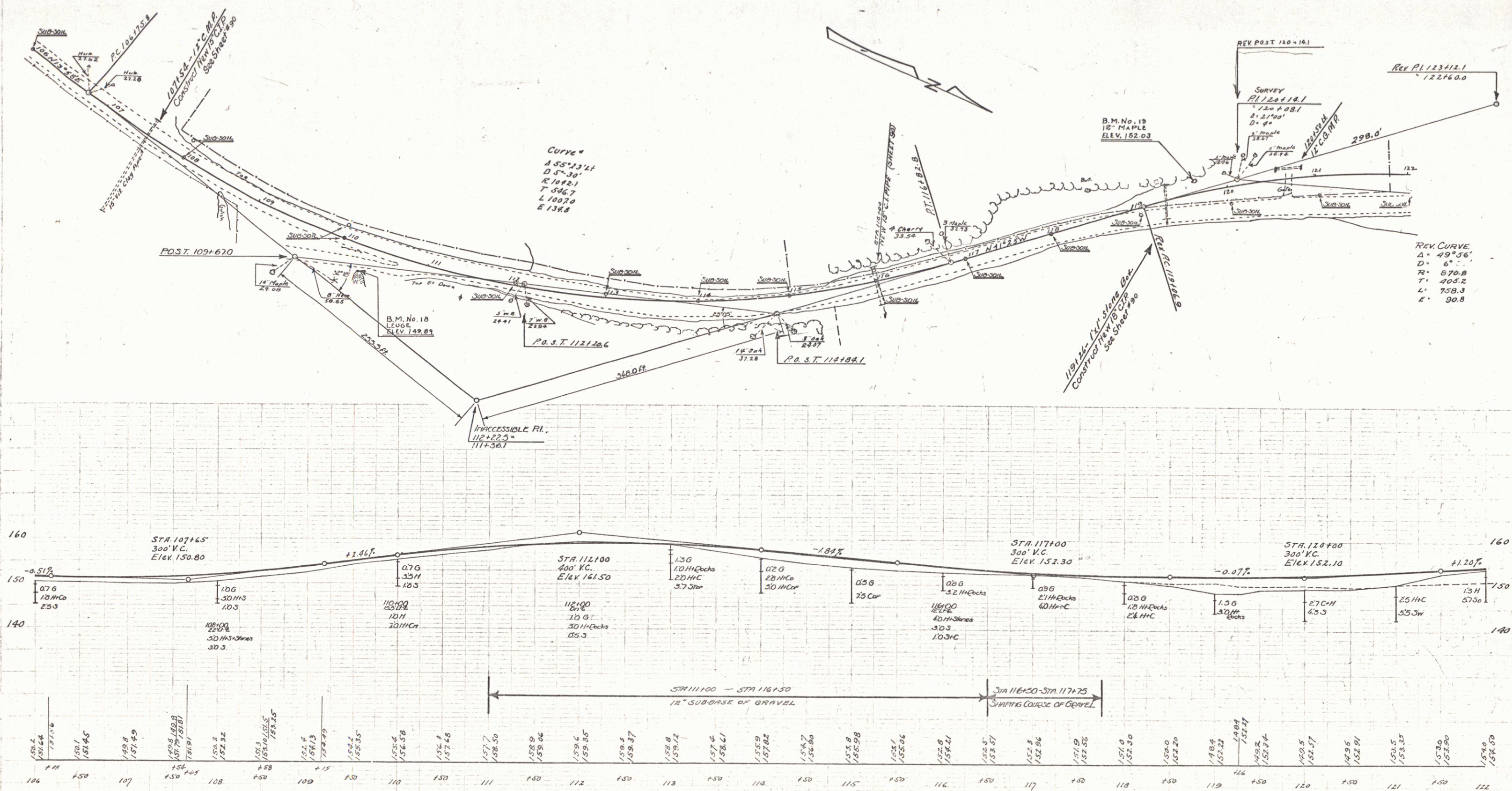
Station	Length	Diam	Length
107154	RT	15"	80

DEVELOP PIPE CULVERTS REQUIRED

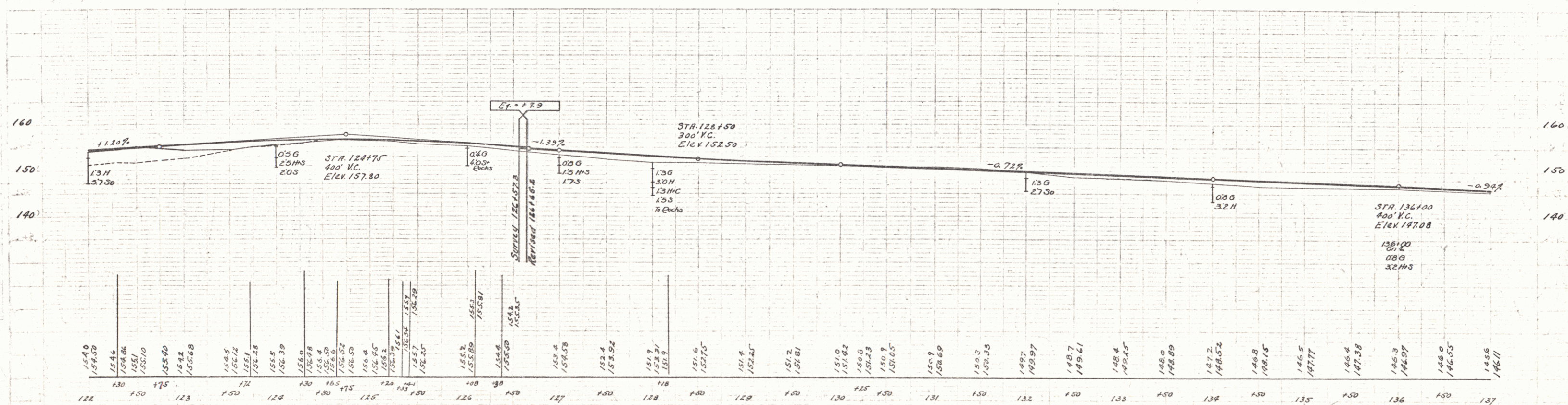
Station	Length	Diam	Length
120100	LT	12"	200

107154 119126 116100 120100

DATE	PROJ. NO.	YEAR	NO.	SHEET
74 C	1936	11	97	



ED. ROAD DIST. NO.	STATE	FED. AID PROG. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VI.	7A-C	1930	12	97



B.M. No. 20. N.E. Cor. Socony Pump Foundation. 13 ft. Rt. Sta. 124+20 Elev. 156.29
B.M. No. 21. Top of Ledger front of 12' Boulder 30 ft. Lf. Sta. 134+34 " 147.90

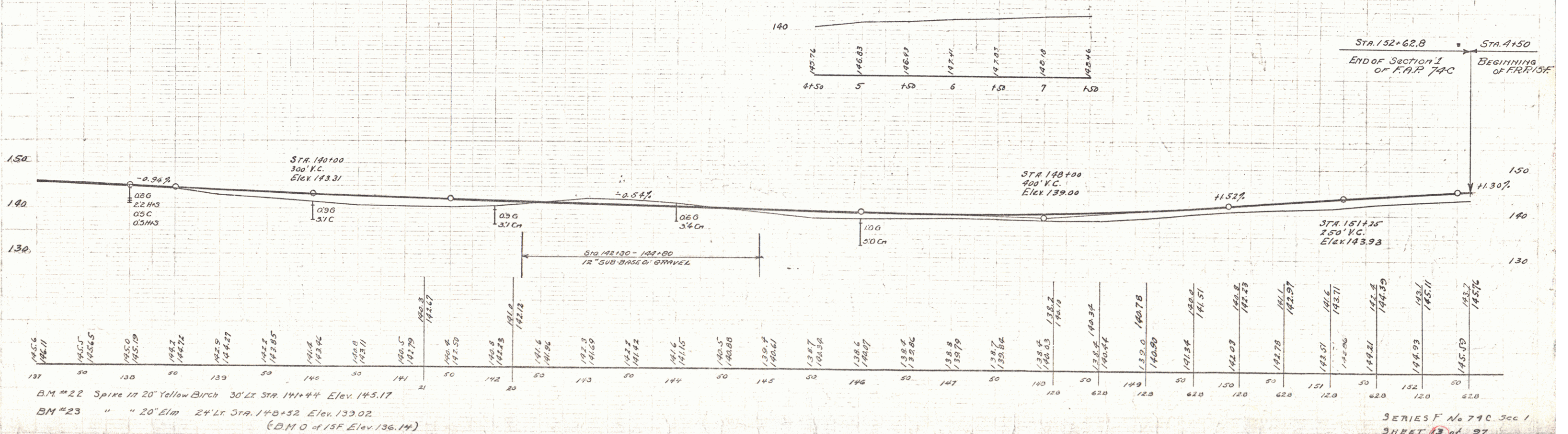
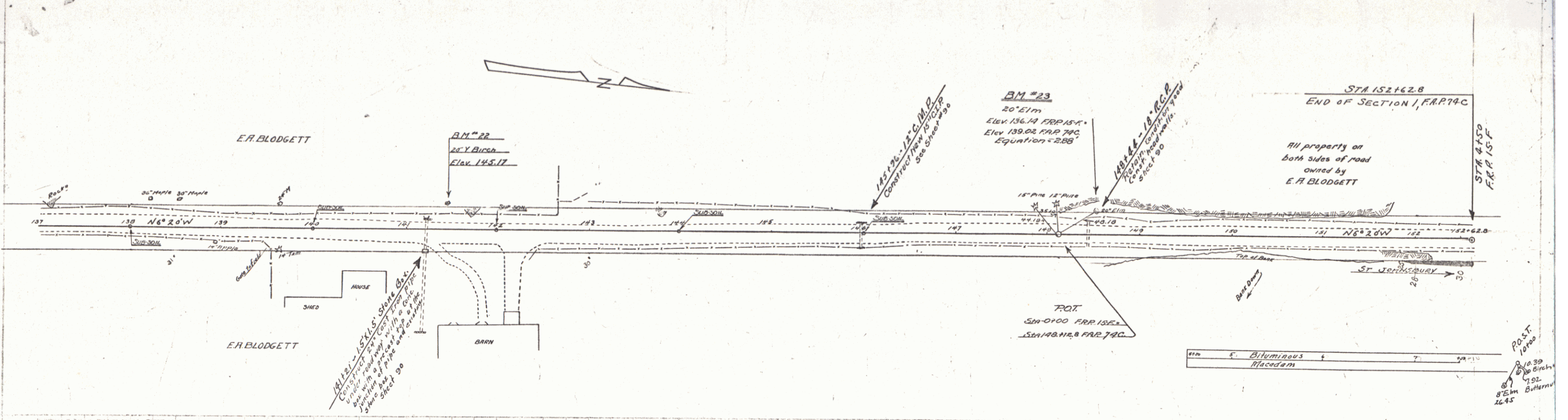
WOOD GUARD RAIL REQUIRED

Station	Left	Right
141+21	24'	-
145+36	24'	24'
148+44	24'	24'

NEW CAST IRON PIPE CULVERTS REQUIRED

STATION	DIAM	LENGTH	CONCR	CONC	STEEL
141+21	24"	36'	3.13K	-	184#
145+36	15"	40'	-	2.3	33#
148+44	18" (replace)	-	0.8	1.5	48#

14-C 1930 13 27



BM #22 Spike in 20" Yellow Birch 30' Lx Sta. 141+44 Elev. 143.17
 BM #23 " " 20" Elm 24' Lx Sta. 148+52 Elev. 139.02
 (B.M. of 15F Elev. 136.14)

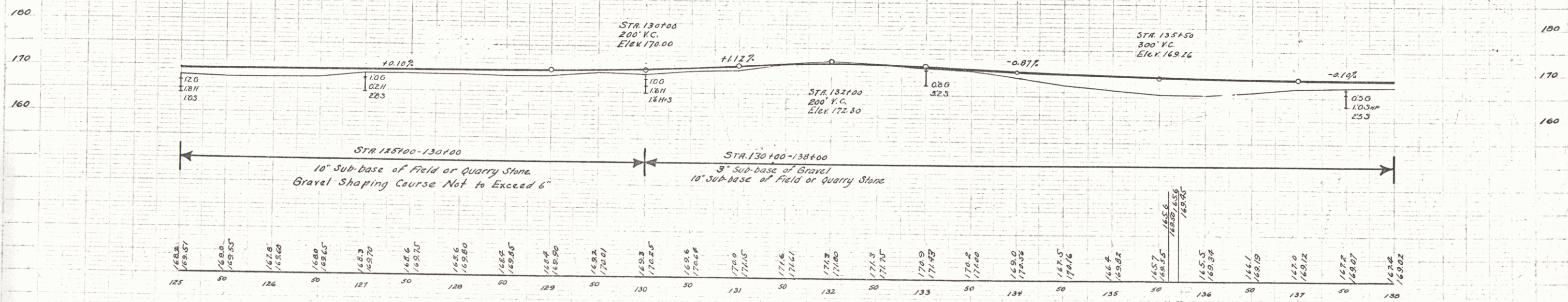
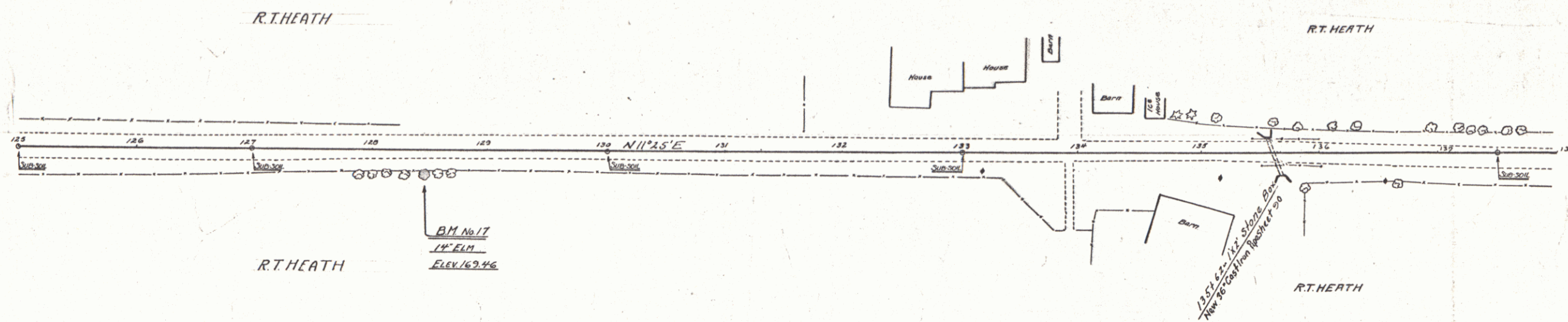
SERIES F No 770 Sec 1
 SHEET 13 of 27



CABLE GUARD RAIL REQUIRED		
Station	Left	Right
135+62	48	48

NEW CAST IRON PIPE CULVERTS REQUIRED				
Station	Diam	Length	Cover	Spells
135+62	36"	42 ft	40 CF	50 days

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	74-C-1	1936	44	97



B.M. No. 17 - 14' ELM 17 RT. OF STA. 128+43 ELEV. 169.46

SERIES F No. 74-C Sec. 2
SKETCH OF 97

WOOD GUARD RAIL REQUIRED		
Station	Left	Right
145194	-	24

CABLE GUARD RAIL REQUIRED		
Stations	Left	Right
141185-142189	104	-
142185-143129	504	-
143125-151176	-	376
150125-153100	275	-

NEW CAST IRON PIPE CULVERTS REQUIRED				
Station	Diam	Length	Conc'd	Steel
145194	18"	72'	18 cy	54'
148115	24"	182'	24	54'
142162	18"	45'	2.3	184'

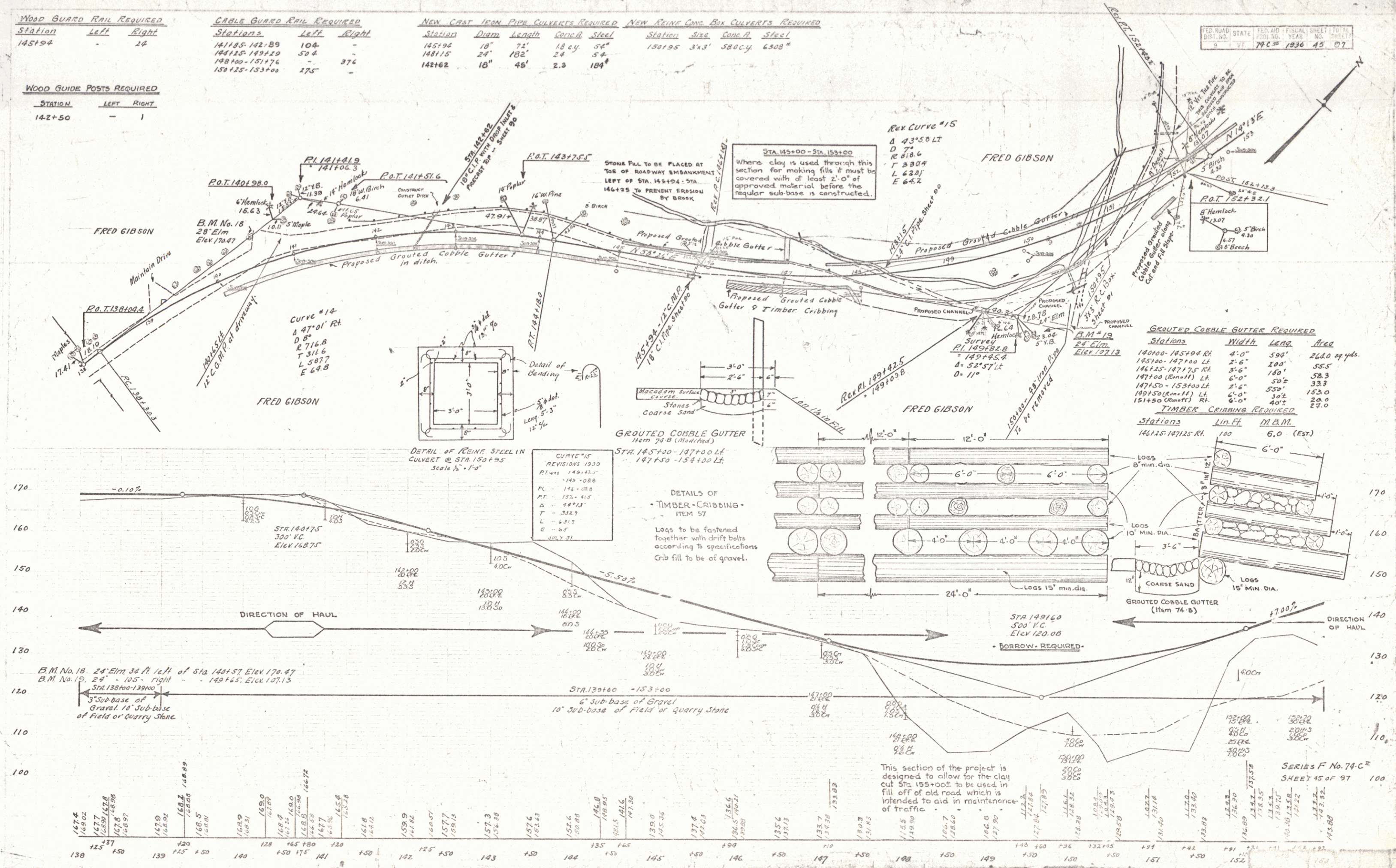
NEW REINFORCED CONCRETE BOX CULVERTS REQUIRED				
Station	Size	Conc'd	Steel	
150195	3'x3'	580 cy	4308'	

WOOD GUIDE POSTS REQUIRED		
Station	Left	Right
142150	-	1

FED. ROAD DIST. NO.	STATE	FED. AID FISCAL YEAR	SHEET NO.	TOTAL
9	VT	74-C	1930 45	97

C.E. Putnam
1929
11-8-29
11-8-29

C.E. Putnam
1929
11-8-29
11-8-29



GROUTED COBBLE GUTTER REQUIRED			
Stations	Width	Length	Area
140100-145100 R/L	4'-0"	500'	2640 sq yds.
145100-147100 L	2'-6"	200'	565
147100-147175 R/L	3'-6"	180'	583
147175-152100 L	6'-0"	50'	333
147150-152100 L	6'-0"	50'	333
149150 (Rem. 11) L	6'-0"	30'	180
151+50 (Rem. 11) R/L	6'-0"	40'	240

TIMBER CRIBBING REQUIRED		
Stations	Lin. Ft.	M.B.M.
146125-147125 R/L	100	6.0 (Est.)

SERIES F No. 74-C
SHEET 45 OF 97

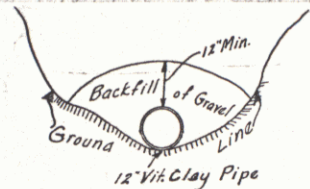
CABLE GUARD RAIL REQUIRED

Stations	Left	Right
153100-153129	29	-

GRADED COBBLE BUTTER REQUIRED

Stations	Width	Length	Area
153100-154100	1'-6"	100'	28 sq. yds.

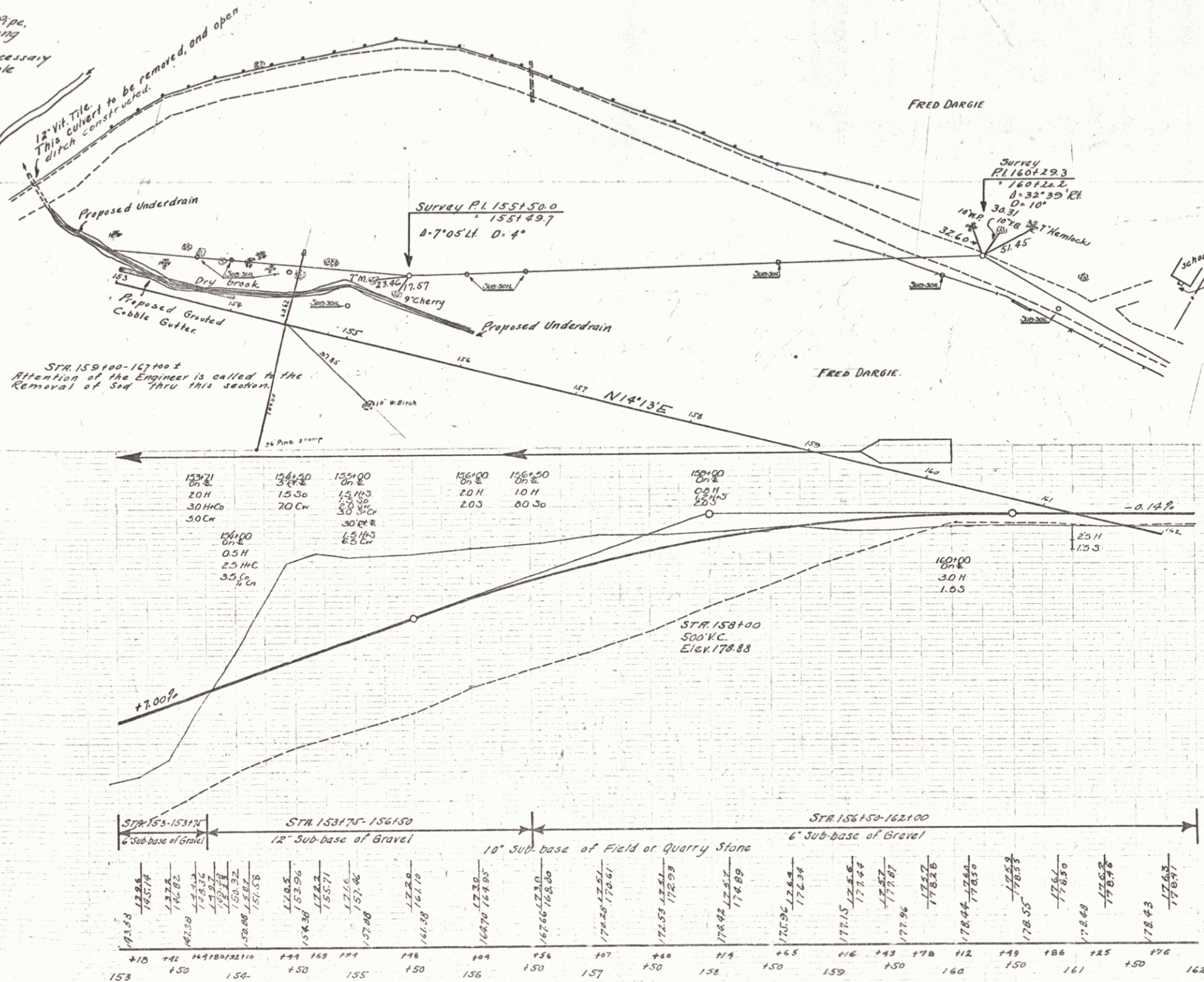
Sta 152100 - 154100 Lk.
Standard Underdrain with 12" Vit. Clay Pipe, as shown on sketch below is to be laid along the existing stream bed before filling is commenced, if this measure is deemed necessary by the Engineer to take care of all possible Seepage Conditions through this section. If, however, it is found that a surface ditch will adequately take care of the drainage, a Grouted Cobble Gutter is to be constructed along the ditch line.



STD. UNDERDRAIN WITH 12" VIT. CLAY PIPE
(Modification of Item 65-A)

Joints in underdrain in seepage area to be left open and wrapped in burlap. Remaining joints to be caulked with cement mortar. Backfill of Gravel, Caulking of Pipe and Wrapping with Burlap to be included in unit price bid per lin. ft. for Standard Underdrain with 12" Vitrified Clay Pipe.

P.O.T.
REVISIONS 1830
TIES RECORDED
AT 154-30 ±
JULY 31



B.M. No. 28 S.E. Corner of school-house steps left sta. 16 ± 70 Elev 177.39

SERIES F No. 74-C Sec. 2
SHEET 4 OF 7

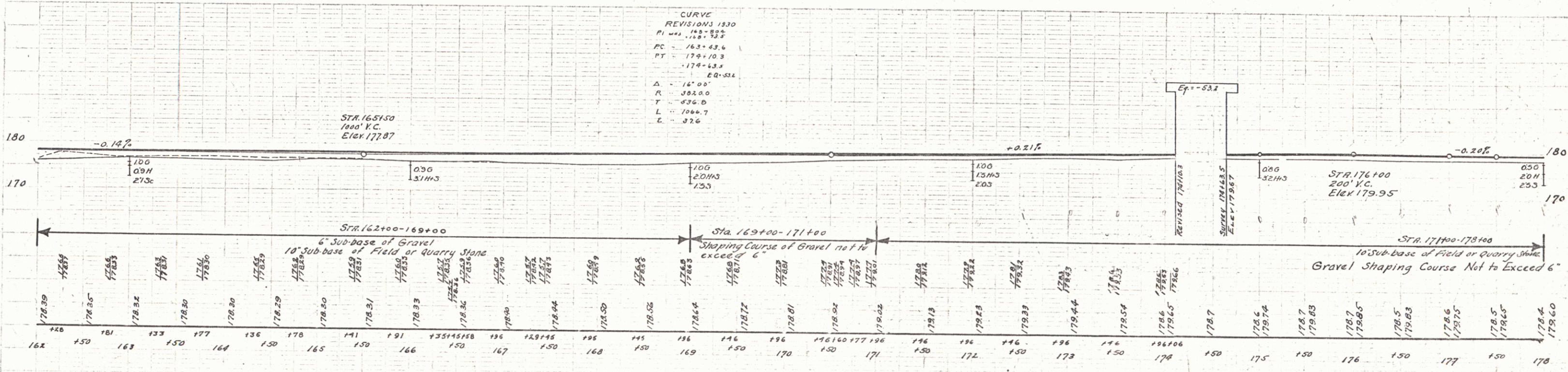
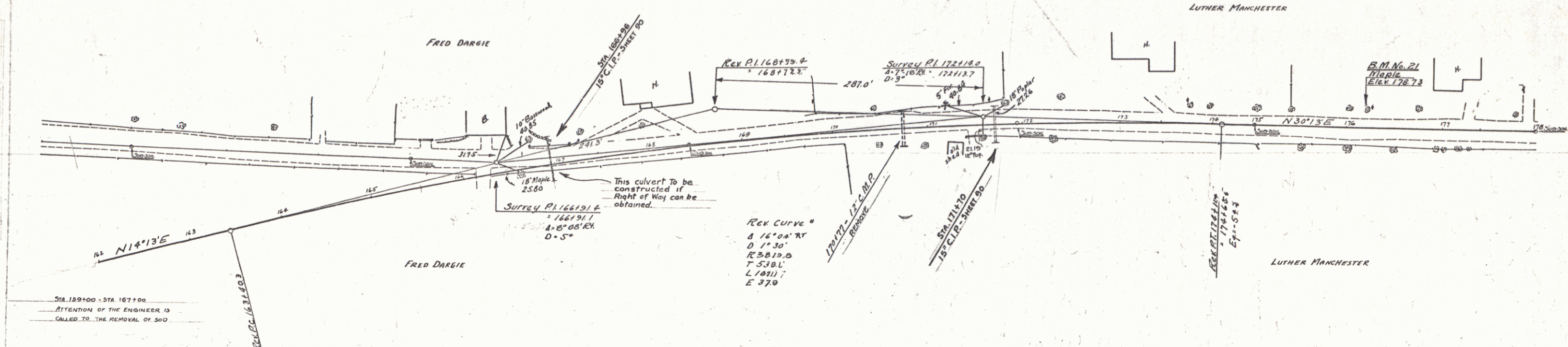
WOOD GUARD RAIL REQUIRED

Station	Left	Right
171+70	24	24
166+96	24	24

NEW CAST IRON PIPE CULVERTS REQUIRED

Station	Diam	Length	Cont. C	Steel
171+70	15"	40'	2.3 cy	33"
166+96	15"	40'	2.3 cy	33"

DATE	STATE	ED. NO.	YEAR	SHEET	TOTAL
VT.	74C	1936	47	97	

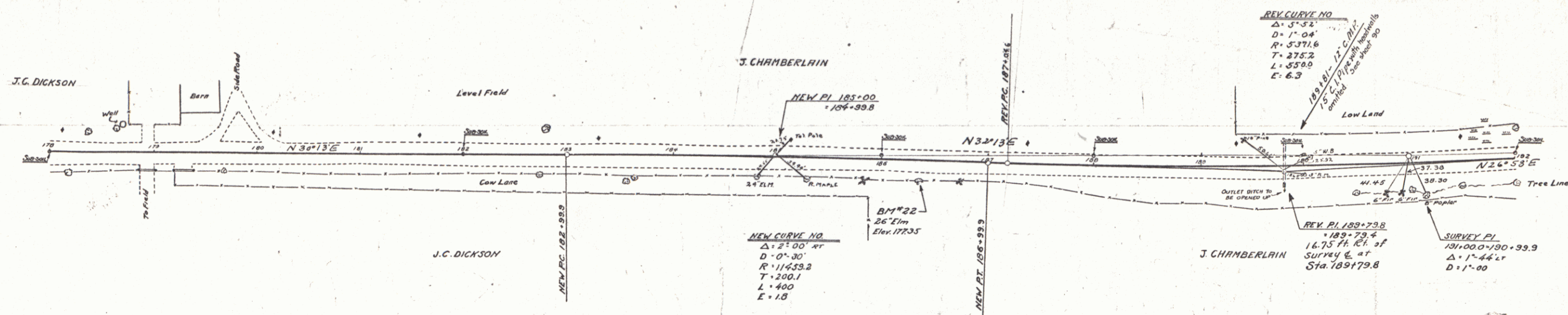


B.M. 21 30' MAPLE 18' LEFT STA 176+21 ELEV 178.73

WOOD GUARD RAIL REQUIRED		
Station	Left	Right
189181	24	24

NEW CAST IRON PIPE CULVERTS REQUIRED		
Station	Dim	Length
189181	15'	40'

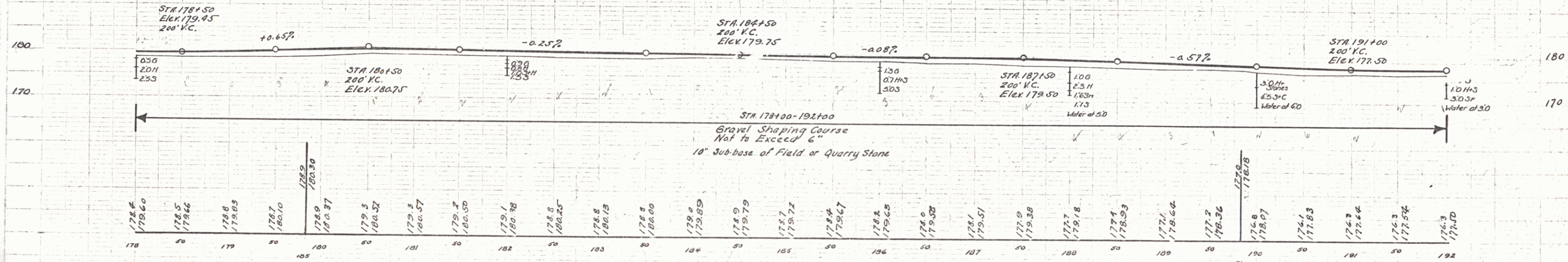
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	VI.	74-CX	1938	48	107



NEW CURVE
TIES RECORDED
AT 185+00
JULY 31

NOTE: Sta 187+50-196+50
LEFT AND RIGHT
Slope = 1 on 2 1/2

CURVE NO.
REVISIONS 1930
PC = 187+171
PT = 192+142.1
 $\Delta = 5^\circ 15'$
 $D = 17.00'$
 $R = 5728.7'$
 $T = 282.7'$
 $L = 525.0'$
 $E = 6.0'$
JULY 31



BM No 22 26' ELM 21' PT STA 186+33 Elev 177.33

SERIES F No. 74-C Sec. 2
SHEET 48 OF 97

Wood Guard Rail Required

Station	Left	Right
195196	24	24
205100	24	24

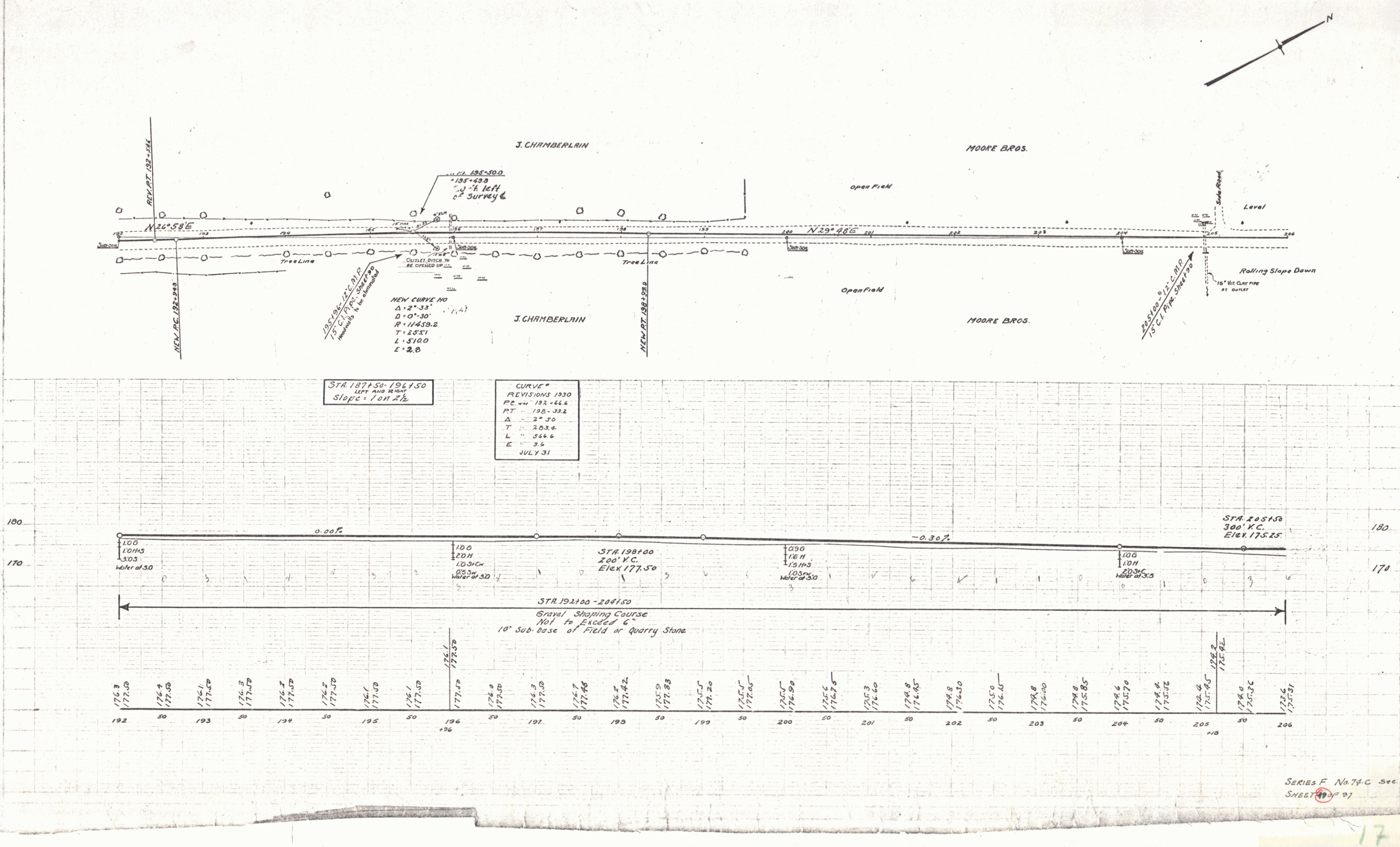
NEW CAST IRON PIPE CULVERTS REQUIRED

Station	Diam	Length	Conc. C.	Steel
195196	15"	40'	N/A	Headwalls
205100	15"	36'	2.3 Cy.	33"

NEW VIT. CLAY PIPE REQUIRED

Station	Diam	Length
205100 R/L	15"	40'

FED. ROAD DIST. NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT	1931	49	97



SERIES F No 74-C Sec. 2
SHEET 49 OF 97

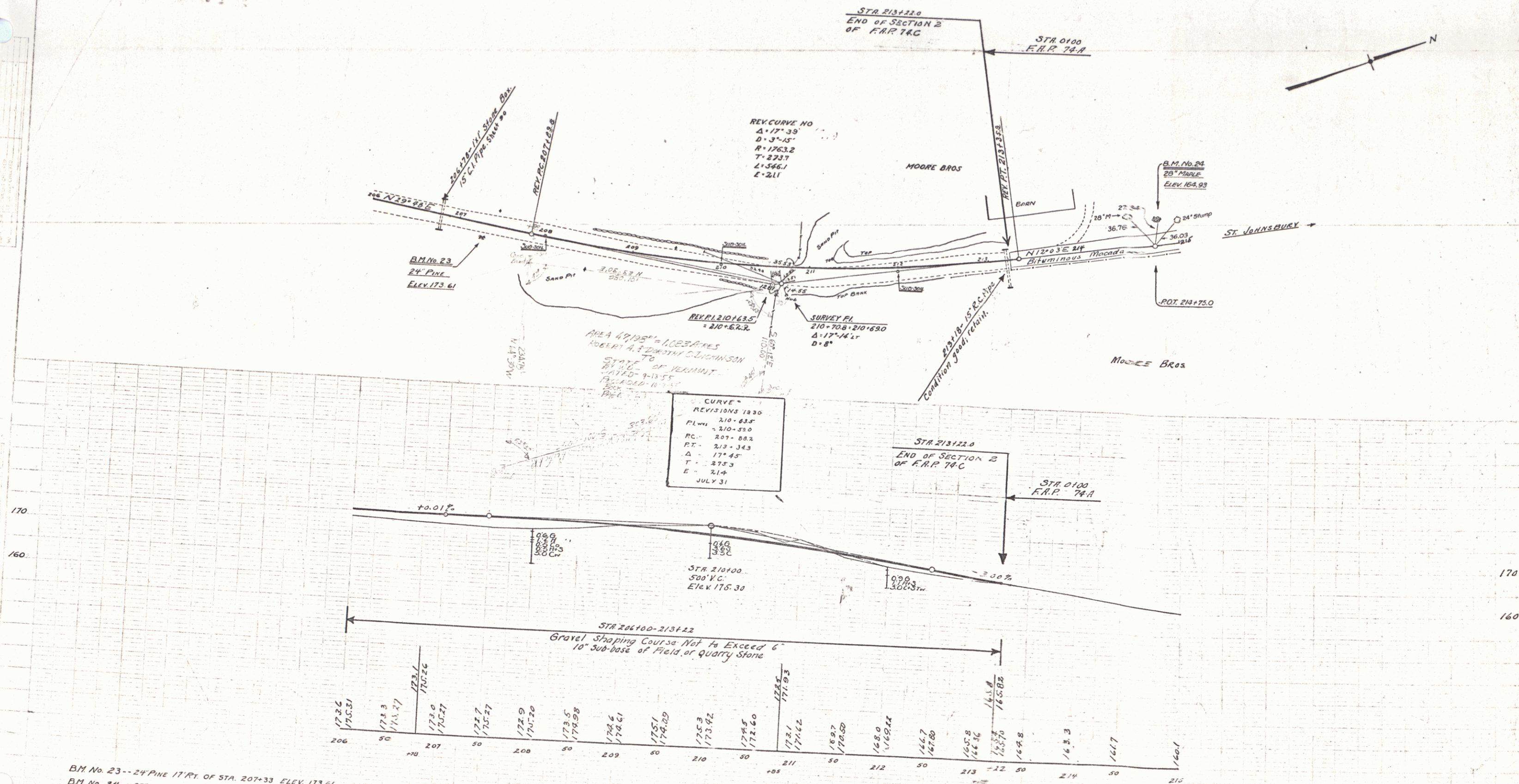
17

WOOD GUARD RAIL REQUIRED		
Station	Left	Right
206+78	24	24
213+18	24	24

CABLE GUARD RAIL REQUIRED		
Station	Left	Right
213+18	-	-
213+18	48	48

NEW CAST IRON PIPE CULVERTS REQUIRED		
Station	Length	Conc. C. Steel
206+78	15'	36"
213+18	236'	33"

DIST. NO.	STATE	FED. AID	FISCAL YEAR	TOTAL SHEETS
7	VT.	74.00	1930	50



BM No. 23--24 PINE 17' RT. OF STA. 207+33 ELEV. 173.61
 BM No. 24--25 MAPLE 27' LT. OF STA. 214+01 ELEV. 164.93

SERIES F No. 74.C Sec. 2
 SHEET 50 OF 57

WOOD GUARD RAIL REQUIRED

Station	Left	Right
74+67	24'	24'

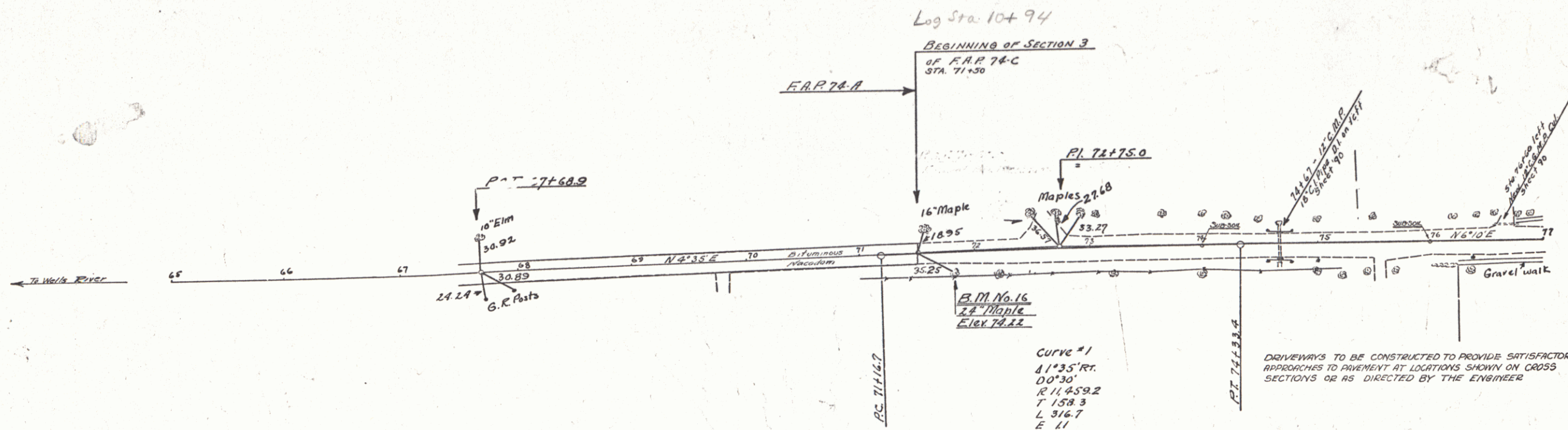
NEW CAST IRON PIPE CULVERTS REQUIRED

Station	Diam	Length	Cross A.	Steel	D.I.	Re-cast Top
74+67	18"	30'	2.3 cy.	104"	1	1

NEW C.G.M. DRIVEWAY PIPES REQUIRED

Station	Side	Diam.	Length	Cement Rubble Masonry
74+60	Lt.	12"	24'	2.3 cy.

FED. ROAD STATE	FED. AID	FISCAL YEAR	SHEET NO.	TOTAL
VT.	74C	1930	63	97



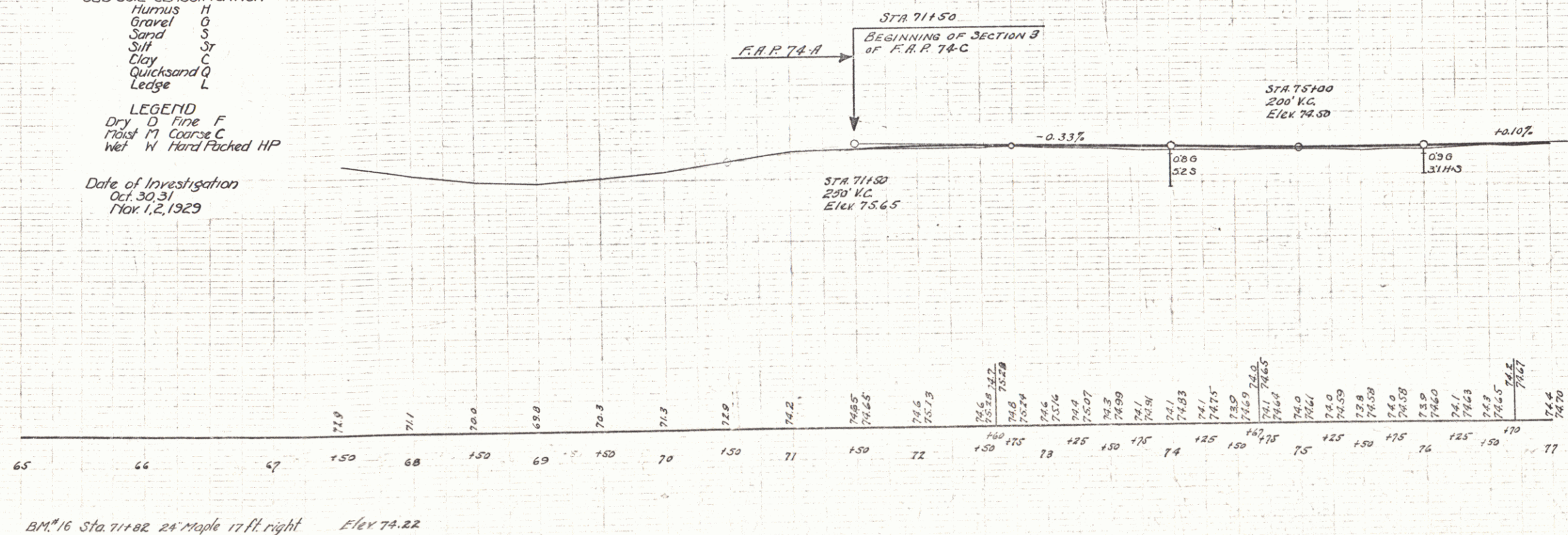
SUB-SOIL CLASSIFICATION

Humus	H
Gravel	G
Sand	S
Silt	ST
Clay	C
Quicksand	Q
Ledge	L

LEGEND

Dry	D
Moist	M
Wet	W
Fine	F
Coarse	C
Hard Packed	HP

Date of Investigation
 Oct. 30, 31
 Nov. 1, 2, 1929

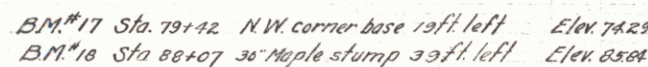
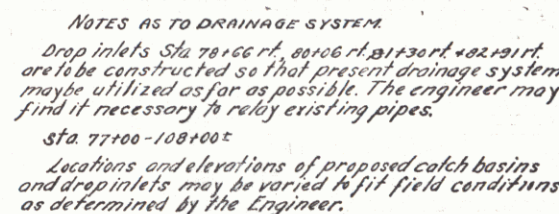


NEW CAST IRON PIPE CULVERTS REQUIRED						OTHER DROP INLETS REQUIRED					BRICK CATCH BASINS REQUIRED		
Station	Diam.	Length	Conc'd	Steel	DL	Station	Size	Conc'd	Steel	Grotes	Station	Size	
78+66	12"	32'	3.9cy	198	2	Grotes	77+85	RA	1.5cy	99	1	85+55	LA
80+06	12"	30'	2.8	198	2		82+43	RA	2.0	99	1	86+55	LA
81+30	12"	36'	2.8	198	2		80+09	RA	1.4	99	1	87+50	LA
82+91	12"	36'	1.4	198	2								
83+70	12"	44'	1.4	198	2								
89+13	12"	46'	1.5	99	2								

BRIDGE STRADA 124

BRIDGE: STA. 84124
Size: 24'0" x 11'0"
List of Bridge sheets
1. Standard sheet, Series SL 820, No. SR
SHEET No. 94
2. Standard sheet, Series SB, No. 2
SHEET No. 97
3. Details of Bridge - SHEET No. 95
Summary of Quantities
Item No. 15 - Structure Excavation, 200cy.
" - 33# - Conc. Class B 73"
" - 33# - " " " 63
" - 3# - Reinforcing Steel 6376#
" - TS - DROP INLET GRADE

Curve #3
Δ 9°18' Lt
D 2°
R 2864.9
T 133.0
L 465.0
E 9.5



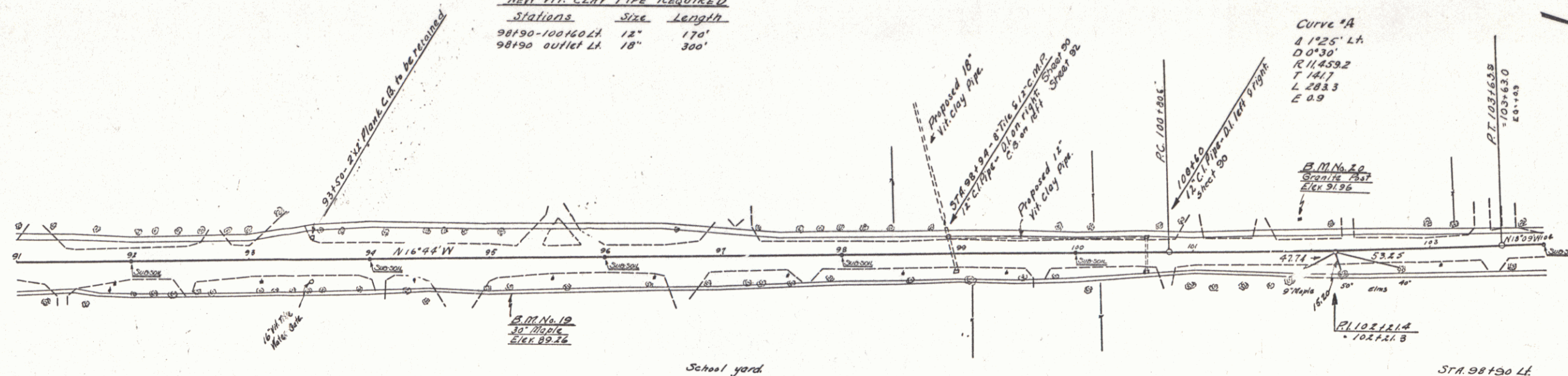
SERIES F No. 74-C
Section 3
SHEET 64 OF 97

NEW CAST IRON PIPE CULVERTS REQUIRED BRICK CATCH BASINS REQUIRED

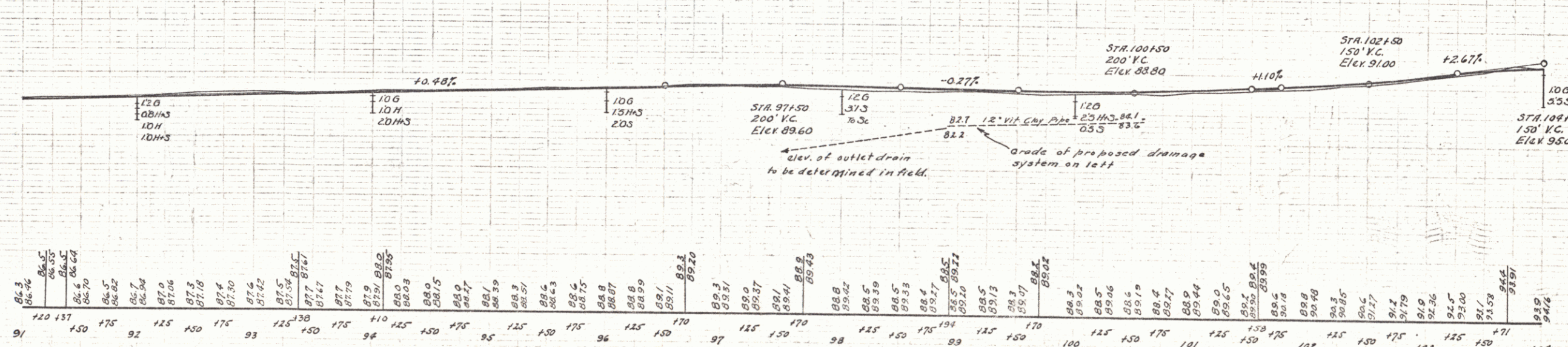
Station	Diam	Length	Cons.	Steel	DL	Station	Side
98194	12"	40'	18 cy	157"	1 grate	98194	Lt
100160	12"	30'	3.6	152"	2 grates		

NEW VIT. CLAY PIPE REQUIRED

Stations	Size	Length
98190-100160 Lt	18"	170'
98190 outlet Lt	18"	300'



CURVE "A"
REVISION 1930
PC = 100+73.7
PT = 103+63.0
JULY 31



BM #19 Sta 95+10 30" Maple 22ft. right Elev 89.26
BM #20 Sta 101+96 8"x8" Granite post 25ft. left Elev 91.96

SERIES E No. 75-C
Section 3
SHEET 63 OF 67

CABLE GUARD RAIL REQUIRED

Stations	Left	Right
11173-11177	-	104'

NEW CAST IRON PIPE CULVERTS REQUIRED BRICK CATCH BASINS REQUIRED

Station	Diam	Length	Cons. A	Steel	P.L.	Station	Side
106100	12"	36'	1.5c.4	157"	(16rate)	106100	Lt.
107150	12"	33'	3.6	3/4	2		
111185	12"	42'	1.5	157	1		
114190	12"	36'	3.6	256	2 1/2" Galv		

NEW VIT. CLAY PIPE REQUIRED

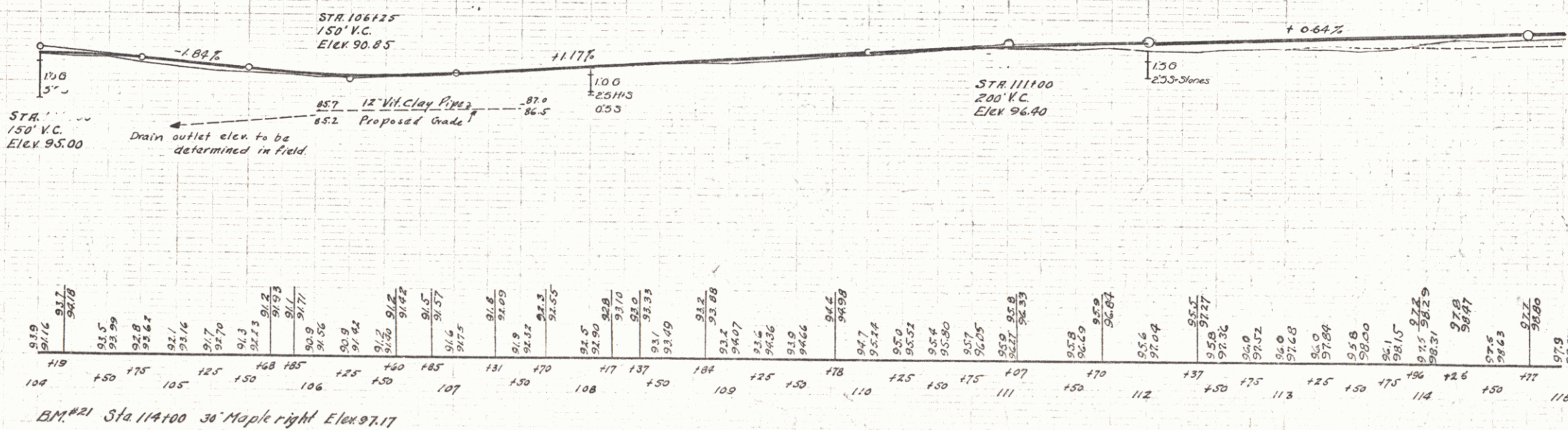
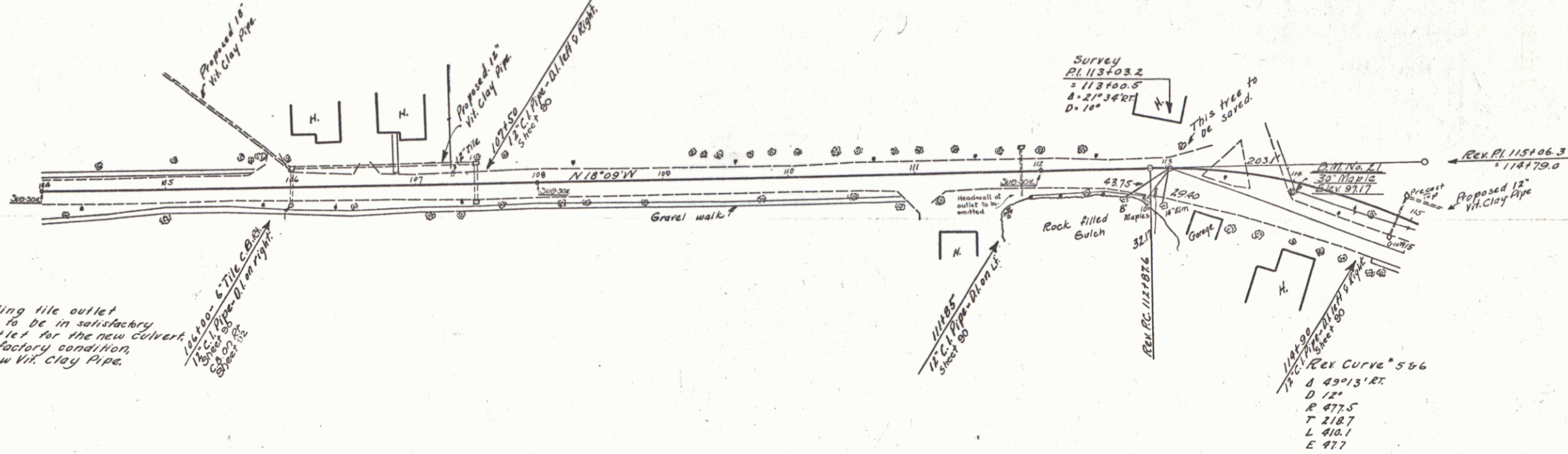
Stations	Diam.	Length
114196-115004	12"	4'

NEW VIT. CLAY PIPE REQUIRED

Stations	Size	Length
106100-107150 Lt.	12"	150'
106100 outlet Lt.	18"	120'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	VT	746	1930	66	97

STR 106100 Lt.
It is believed that there is an existing tile outlet at this location. If the same is found to be in satisfactory condition, it is to be retained as the outlet for the new Culvert. Should this tile be found in an unsatisfactory condition, broken pipe shall be replaced with new Vit. Clay Pipe.



SERIES E No. 74-C
Section 3
SHEET 66 OF 97

WOOD GUARD RAIL REQUIRED

Station	Left	Right
117140	24'	-

WOOD GUIDE POSTS REQUIRED

Station	Left	Right
116150	1	-

CABLE GUARD RAIL REQUIRED

Station	Left	Right
117141-126125	-	904'
119158-125150	592'	-
130128-131100	-	72'

NEW CAST IRON PIPE CULVERTS REQUIRED

Station	Diam	Length	Conc. P.	Steel O.T.
117140	15"	45'	31 cy	184' 1"

NEW VIT. CLAY PIPE REQUIRED

Station	Size	Length
115100-116140 LH	12"	140'
116140-117136 LH	12"	96'

REFINE CONCRETE CURB AND GUTTER REQUIRED

Station	Length	Width	Conc. P.	Steel
115175-116150	75'	2'-0"	4.8 cy	54#

GRADED CABLE GUTTER REQUIRED

Station	Width	Length	Area
117110-117136 RH	3'-0"	26'	70 sq. yds.
117135-122150 LH	2'-6"	47.5'	132
120100 LT Runoff	2'-6"	57	16
122130 LT Runoff	2'-6"	57	16

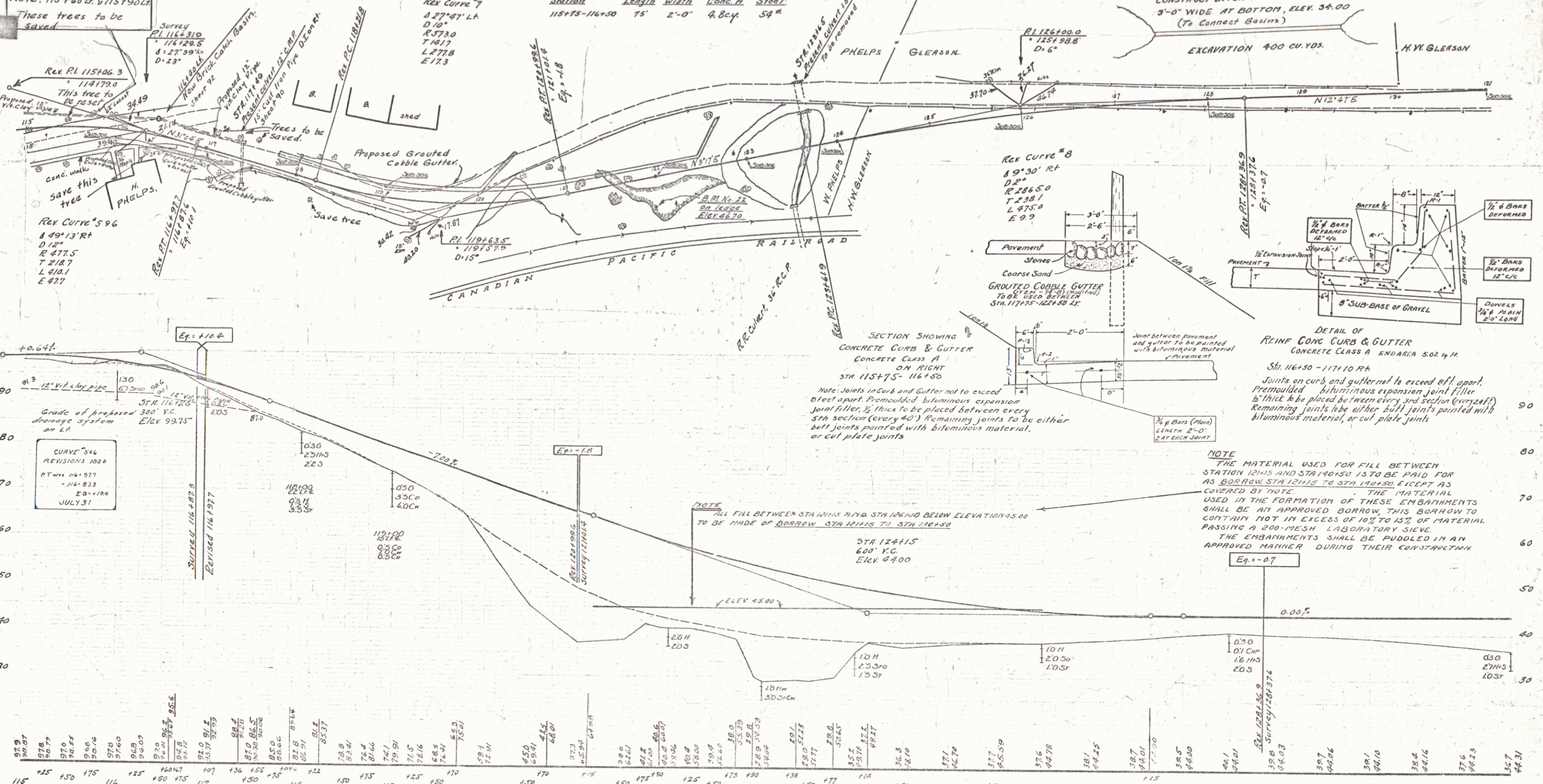
BRICK CATCH BASINS REQUIRED

Station	Side
116140	LH

REIN. CONC. RET. WALL, CURB & GUTTER REQUIRED

Station	Length	Conc. P.	Steel
116150-117110 RH	60'	11.2 cy	980#

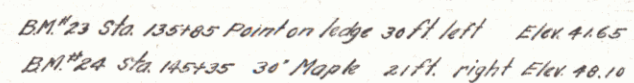
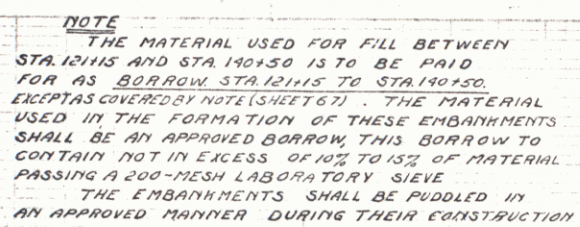
Note: 115160 & 115190 L
These trees to be saved



BM #2 Sta 121145 Point on ledge with right Elev 46.70
Power Co. B.M. #19 Elev 46.97 - Elev 52.84 of Highway Survey Levels.

SHEET 67 OF 97

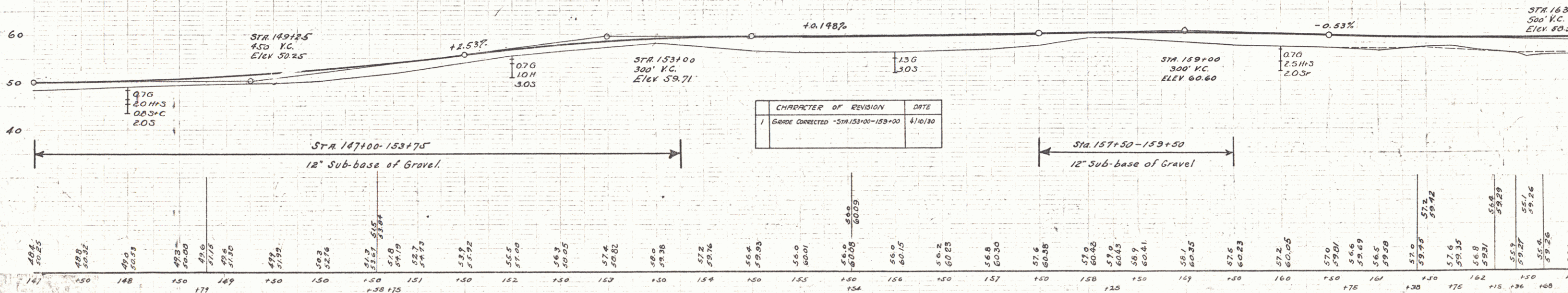
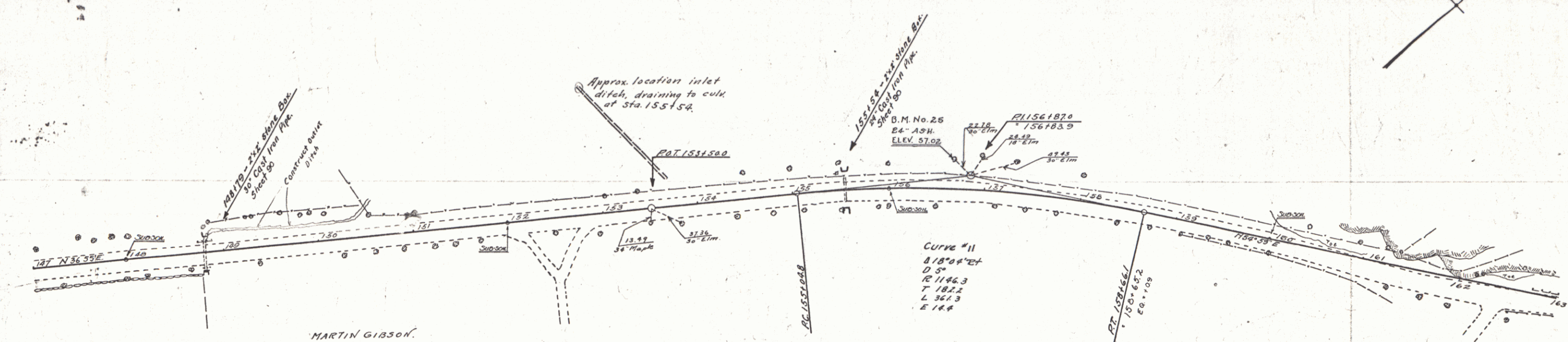
<u>NEW CAST IRON PIPE CULVERTS REQUIRED</u>					<u>NEW REINF. CONC. BOX CULVERTS REQUIRED</u>				
<u>Stations</u>	<u>Size</u>	<u>Length</u>	<u>Conc. A</u>	<u>Steel</u>	<u>Station</u>	<u>Size</u>	<u>Conc. A</u>	<u>Steel</u>	
136+35	30"	75'	3.2 cy.	58*	132+00	3'x4'	28.1 c.y.	1891'	



WOOD GUARD RAIL REQUIRED		
Station	Left	Right
148+79	24'	24'

CABLE GUARD RAIL REQUIRED		
Station	Left	Right
155+54	48'	48'

NEW CAST IRON PIPE CULVERTS REQUIRED				
Station	Diam.	Length	Conc'd	Steel
148+79	30"	33'	3.2 c.y.	58"
155+54	24"	36'	2.4	54



CHARACTER OF REVISION	DATE
1 GORGE CORRECTED - STA 151+00 - 159+00	4/10/30

B.M. No. 25 Root on 24' top, 32 ft. lf. of Sta. 156+70 Elev. 57.02

SERIES F-174C
SECTION 3
SHEET 97

