

STANDARD STRUCTURE SHEETS APPROVED BY THE
CHIEF ENGINEER, VERMONT STATE DEPT. OF HIGHWAYS

S 28 APR. 26, 1941
S 30 NOV. 10, 1947
S 40 DEC. 18, 1945

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FEDERAL PROJECT

Project: F55(12)

ROUTE U. S. 5

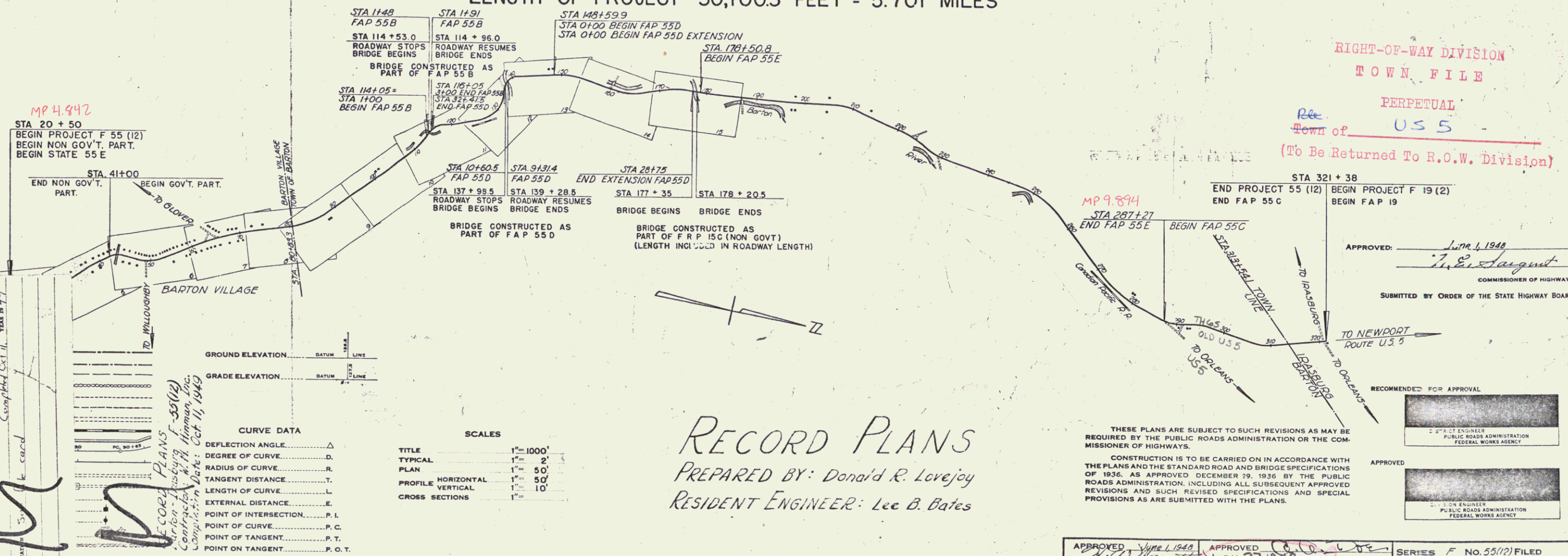
Pin# 99R 298

BEGINNING AT A POINT APPROXIMATELY 1519 FEET NORTHERLY OF THE
SOUTHERLY LINE OF BARTON VILLAGE AND EXTENDING NORTHERLY 30,100.3 FEET

2,050.0	FEET	=	0.388	MILES	NON GOV'T. PART
27,877.3	FEET	=	5.280	MILES	GOV'T. PART.

LENGTH OF BRIDGES 173.0 FEET = 0.033 MILES

LENGTH OF PROJECT 30,100.3 FEET = 5.701 MILES



RECORD PLANS
PREPARED BY: Donald R. Lovejoy
RESIDENT ENGINEER: Lee B. Bates

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE PUBLIC ROADS ADMINISTRATION OR THE COMMISSIONER OF HIGHWAYS.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND THE STANDARD ROAD AND BRIDGE SPECIFICATIONS OF 1936. AS APPROVED DECEMBER 29, 1936 BY THE PUBLIC ROADS ADMINISTRATION, INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND THE STANDARD ROAD AND BRIDGE SPECIFICATIONS OF 1936, AS APPROVED DECEMBER 29, 1936 BY THE PUBLIC ROADS ADMINISTRATION, INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

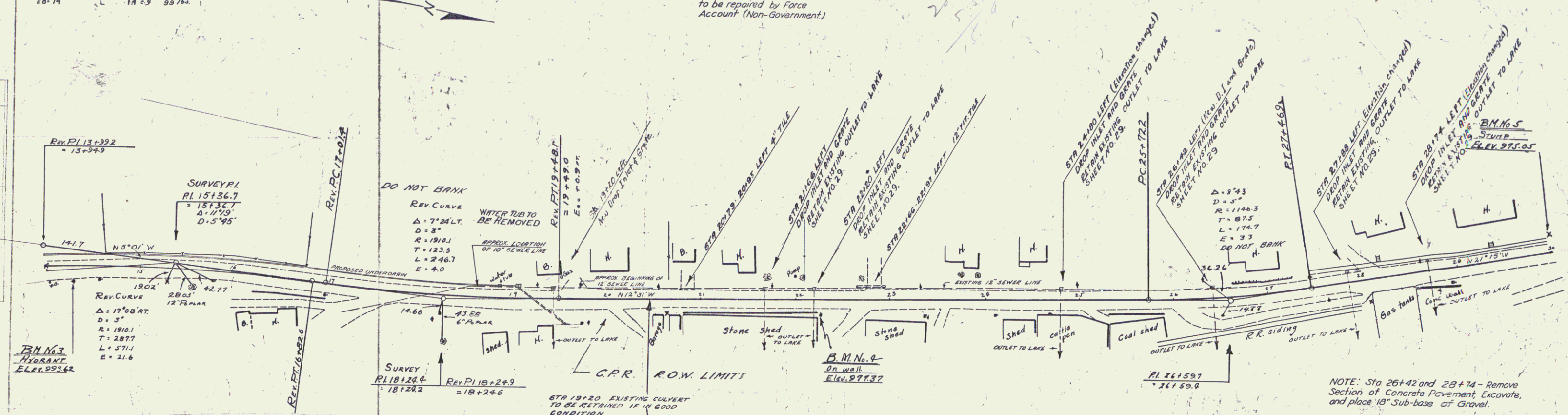
APPROVED <i>June 1, 1948</i> <i>H. D. Smith</i> HIGHWAY ENGINEER	APPROVED <i>C. C. [unclear]</i> <i>May 27, 1948</i> DISTRICT HIGHWAY COMMISSIONER	SERIES F No. 55(12) FILED SHEET (1) OF 27
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NEW DROP INLETS WITH GRATES REQUIRED

STATION	L	R	CONCR	STEEL GRATES
21+66	L	14.6	99/164	
22+20	L	14.6	99/164	
24+00	L	14.6	99/164	
26+42	L	14.6	99/164	
27+08	L	14.6	99/164	
28+74	L	14.6	99/164	

NOTE: Guard Rail right of Sta. 20+82 to 22+24 to be repaired by Force Account (Non-Government.)

POST WAR FA PRIMARY



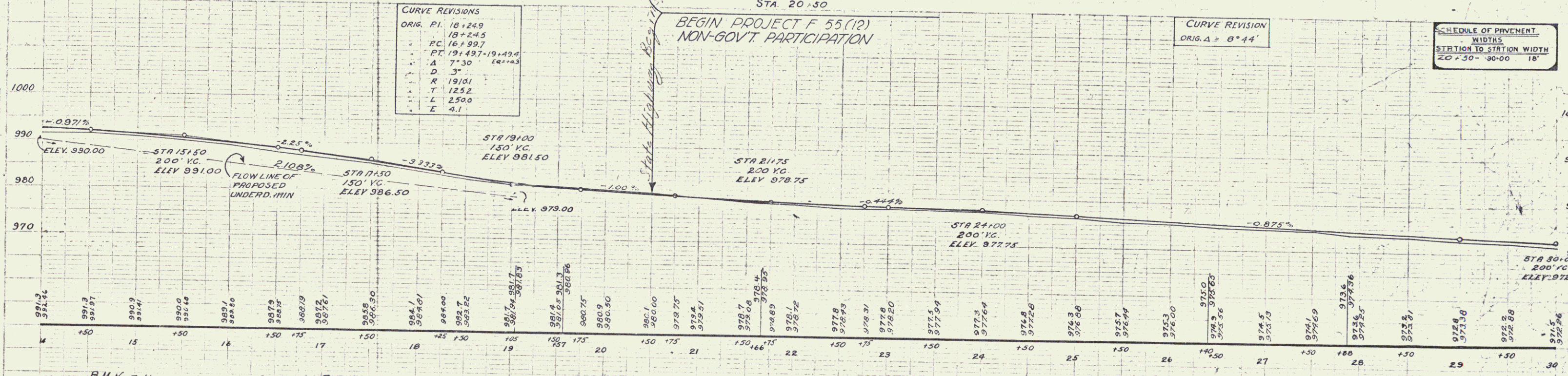
CURVE REVISIONS

ORIG. PI	18+24.9
PC	16+99.7
PT	19+43.7-19+49.4
Δ	7° 30' (4° 14')
D	3"
R	191.01
T	125.2
L	250.0
E	4.1

CURVE REVISION
ORIG. Δ = 8° 44'

SCHEDULE OF PAVEMENT

STATION TO STATION WIDTH	20+50 - 30+00	18'
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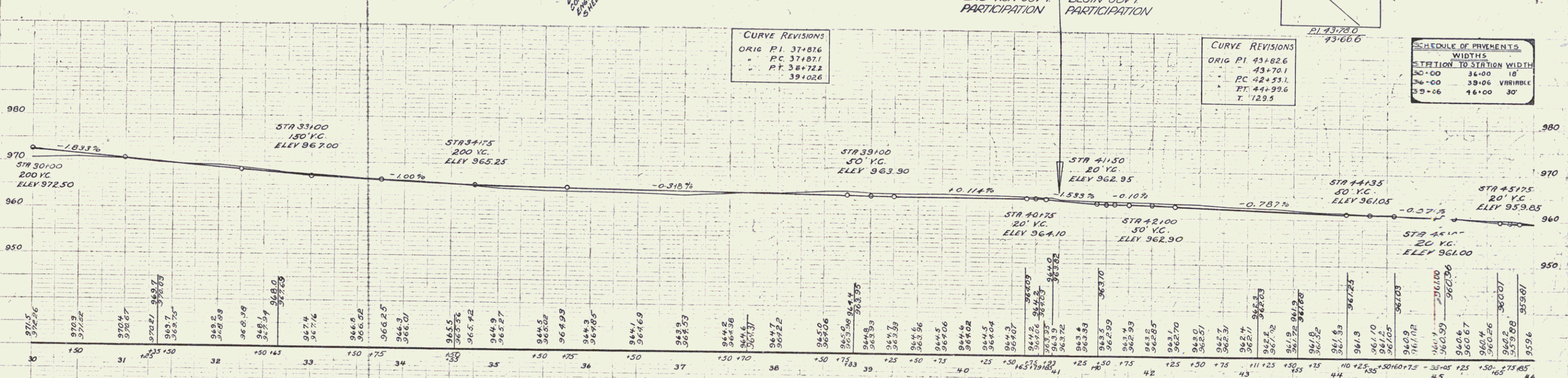
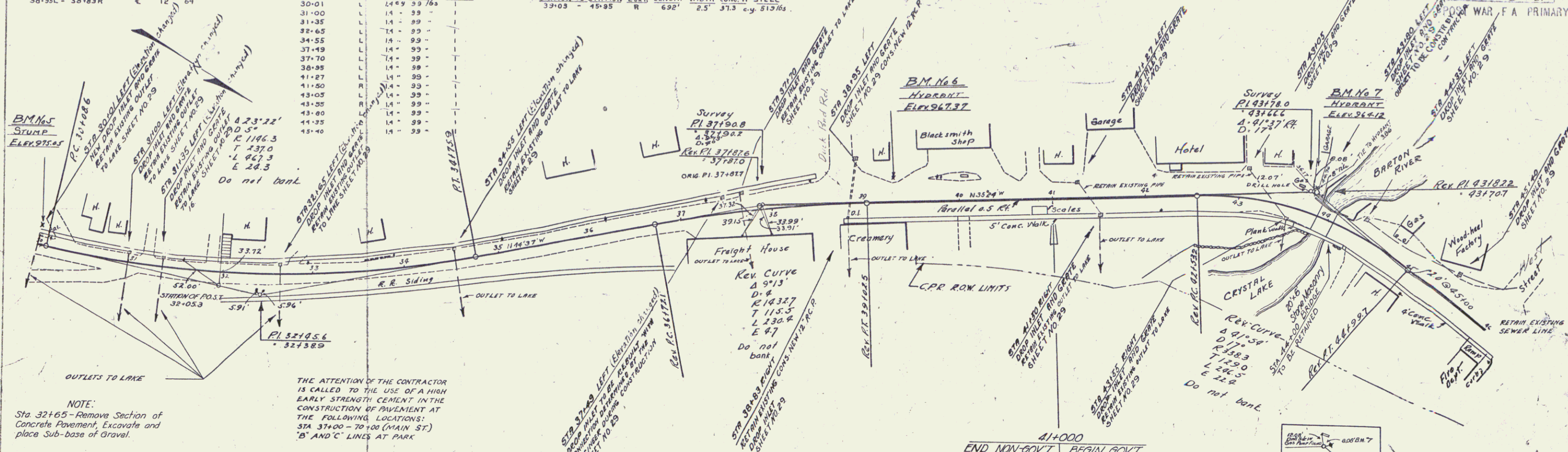
BM No. 3 Hydrant Nut, 13.0' RT. STA. 14+27 ELEV. 993.62
BM No. 4 CORNER CONC. RETAIN. WALL, 13.5' RT. STA. 22+24 ELEV. 977.37
BM No. 5 SPIKE IN ROOT H. STUMP, 200' LT. STA. 30+00 ELEV. 975.05

BARTON - IRASBURG
Series F No. 55(12)
SHEET 4 OF 27

NEW REIN. CONC. PIPE CULVERTS REQUIRED
STATION TO STATION 30+95L - 30+83R
RHS SIZE LENGTH
12 64'

NEW DRAIN PIPES WITH GRATES REQUIRED
STATION 30+01 L 24' 9" 99' 74s
CONC. STEEL GRATES

NEW CONCRETE GUTTER REQUIRED
STATION TO STATION 39+03 - 45+95
RHS LENGTH WIDTH CONC. R. STEEL
692' 2.5' 37.3 cy 513' 10s



BM. No. 5 SHOWN IN RIGHT STUMP 200' LT. STA. 30+00, ELEV. 975.05
BM. No. 6, HYDRANT NUT, 25.0' LT. STA. 39+31, ELEV. 967.37
BM. No. 7, HYDRANT NUT, 28.0' LT. STA. 43+78, ELEV. 964.12

SARTON - IRASBURG
SERIES T NO. 55(12)
SHEET 5 OF 27

NEW DROP INLETS REQUIRED

STATION	LOC	CONC	STEEL	GRATES
46+05	R	1.1	33	
50+70	L	1.1	33	
57+20	L	1.4	33	

NEW CATCH BASINS REQUIRED

STATION	LEFT	RIGHT
49+70		
52+05		
51+00		
53+05		
54+41		
56+62		
57+10		
59+10		
59+33		
56+43		

NEW REIN. CONC PIPE CULVERTS REQUIRED

STATION TO STATION	LOC	SIZE	LENGTH
46+05	R	12"	8'
49+70	R	15"	36'
51+00	R	12"	40'
54+41	R	12"	32'
56+62	R	12"	32'
57+10	L	12"	104'
53+05	L	12"	272'
56+62	L	12"	248'
59+10	L	12"	90'

NEW CONC. CURB AND GUTTER REQUIRED

STATIONS	LOC	HEIGHT	LENGTH	CONC	STEEL
46+00-47+30	R	6"	200'	8.5	82 lbs
53+30-54+00	R	6"	10'	0.6	8
57+50-58+00	L	6"	200'	13	150
48+20-49+50	R	6"	67'	4.3	50

STANDARD UNDERDRAIN WITH 6" PERF. C&MP

STATIONS	LOC	LENGTH
51+80-57+10	R	530 FT

NEW CONCRETE GUTTER REQUIRED

STATIONS	LOC	LENGTH	WIDTH	CONC	STEEL
54+70-57+10	R	240'	20"	10.4	180 lbs
57+40-59+40	R	200'	20"	8.6	150
53+30-53+30	R	20'	20"	0.9	15
47+50-47+50	R	20'	20"	0	53
49+50-54+70	R	520'	3.5'	202	44 yds

NEW GROUTED COBBLE GUTTER REQUIRED

STATIONS	LOC	LENGTH	WIDTH	AREA
49+50-54+70	R	520'	3.5'	202 sq yds

ONE COURSE CEMENT CONCRETE SIDEWALK REQUIRED

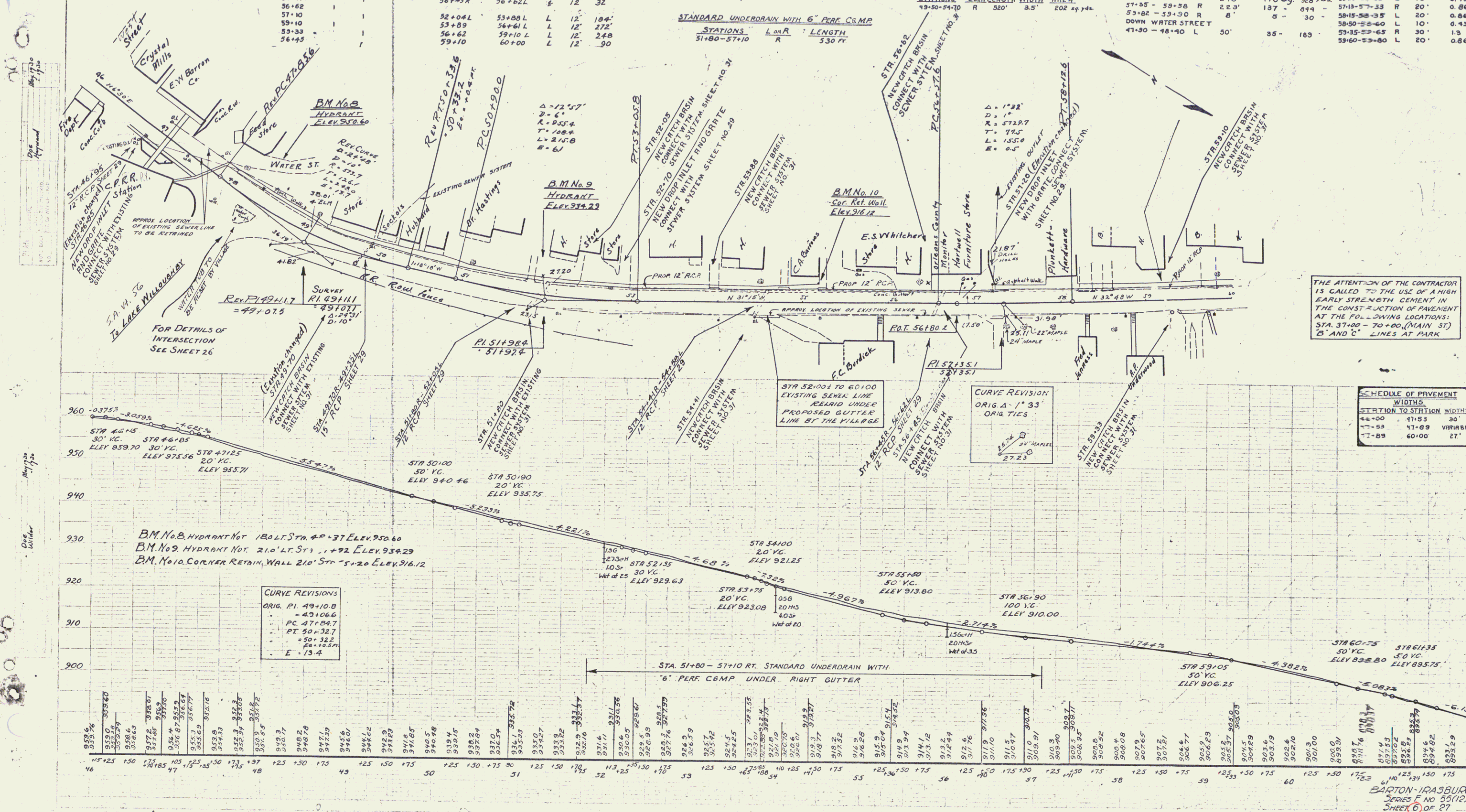
STATIONS	LOC	LENGTH	WIDTH	CONC
48+00-50+00	L	120'	5'	667 sq yds

NEW CONCRETE RETAINING WALL REQUIRED

STATION TO STATION	LOC	LENGTH	CONC	STEEL
54+70 - 57+15	R	245'	178 cu yds	328 lbs
57+55 - 59+58	R	223'	137	244
53+82 - 59+90	R	8'	5	30
47+90 - 48+90	L	50'	35	183

NEW CONCRETE TEMPLING REQUIRED

STATION TO STATION	LOC	LENGTH	WIDTH	CONC	STEEL
51+75-51+83	L	10'	0.43	0.43	
51+82-54+02	L	10'	0.43	0.43	
54+40-54+70	R	30'	1.3	1.3	
54+70-54+84	L	10'	0.43	0.43	
55+20-55+30	L	10'	0.43	0.43	
57+15-57+33	R	20'	0.86	0.86	
58+15-58+35	L	20'	0.86	0.86	
58+50-58+60	L	10'	0.43	0.43	
59+35-59+45	R	30'	1.3	1.3	
59+60-59+80	L	20'	0.86	0.86	



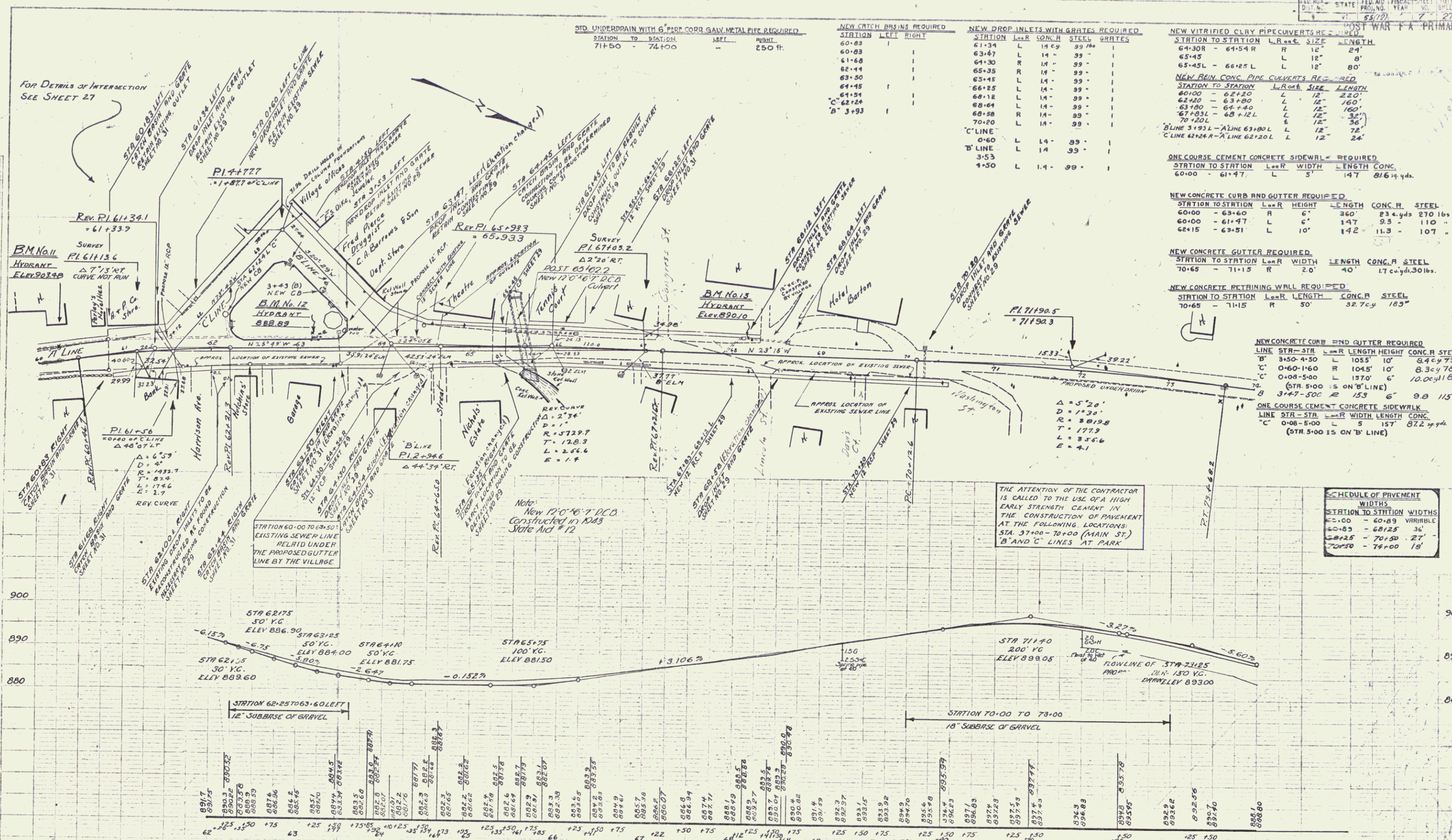
THE ATTENTION OF THE CONTRACTOR IS CALLED TO THE USE OF A HIGH EARLY STRENGTH CEMENT IN THE CONSTRUCTION OF PAVEMENT AT THE FOLLOWING LOCATIONS: STA. 37+00 - 70+00 (MAIN ST) 'B' AND 'C' LINES AT PARK

SCHEDULE OF PAVEMENT WIDTHS

STATION TO STATION	WIDTHS
44+00 - 47+53	30
47+53 - 51+00	30
51+00 - 59+00	30
59+00 - 62+00	27

CURVE REVISIONS

ORIG. P.I.	49+10.8
REV. P.I.	49+10.66
PC	47+04.7
PT	50+32.7
EA	50+12.2
EA	50+10.2
E	13.4



BM No. 11 Hydrant Nut 16.0' LT. STA. 60+26 ELEV. 903.48
BM No. 12 Hydrant Nut 19.5' LT. STA. 63+17 ELEV. 888.89
BM No. 13 Hydrant Nut 18.5' LT. STA. 68+17 ELEV. 890.10

BARTON-IRASBURG
SERIES E NO. 55(12)
SHEET 27 OF 27

FED. DIST.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
VI.	55/12			8	27

POST WAR FA PRIMARY

PLAN	DATE	BY	CHKD.	DATE
NOTED	1-3-53	DR		
NOTE BOOK				
NO.				

PROFILE	DATE	BY	CHKD.	DATE
NOTED	1-3-53	DR		
NOTE BOOK				
NO.				

Parcel	Instr.	Date	Grantor	Grantee	Recorded Book Page Date	Remarks
#A	W.D.O.E.	1-3-53	Earle S. & Mary Metcalf	St. of Vt.	Barton 48 2d 1-16-53	STA 79 + 33.3 END OF VILLAGE CONSTRUCTION BEGINNING OF STATE HIGHWAY SYSTEM

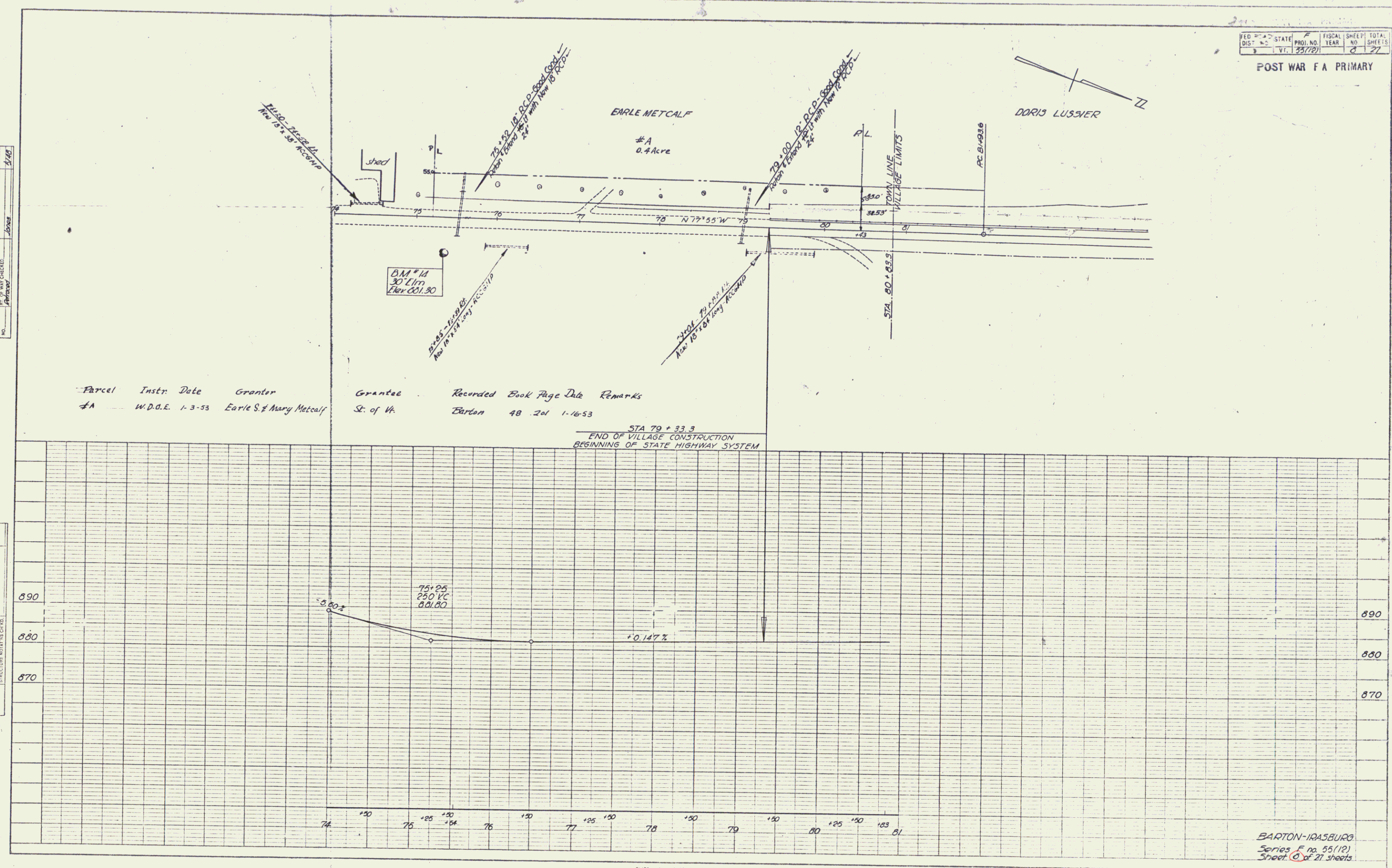
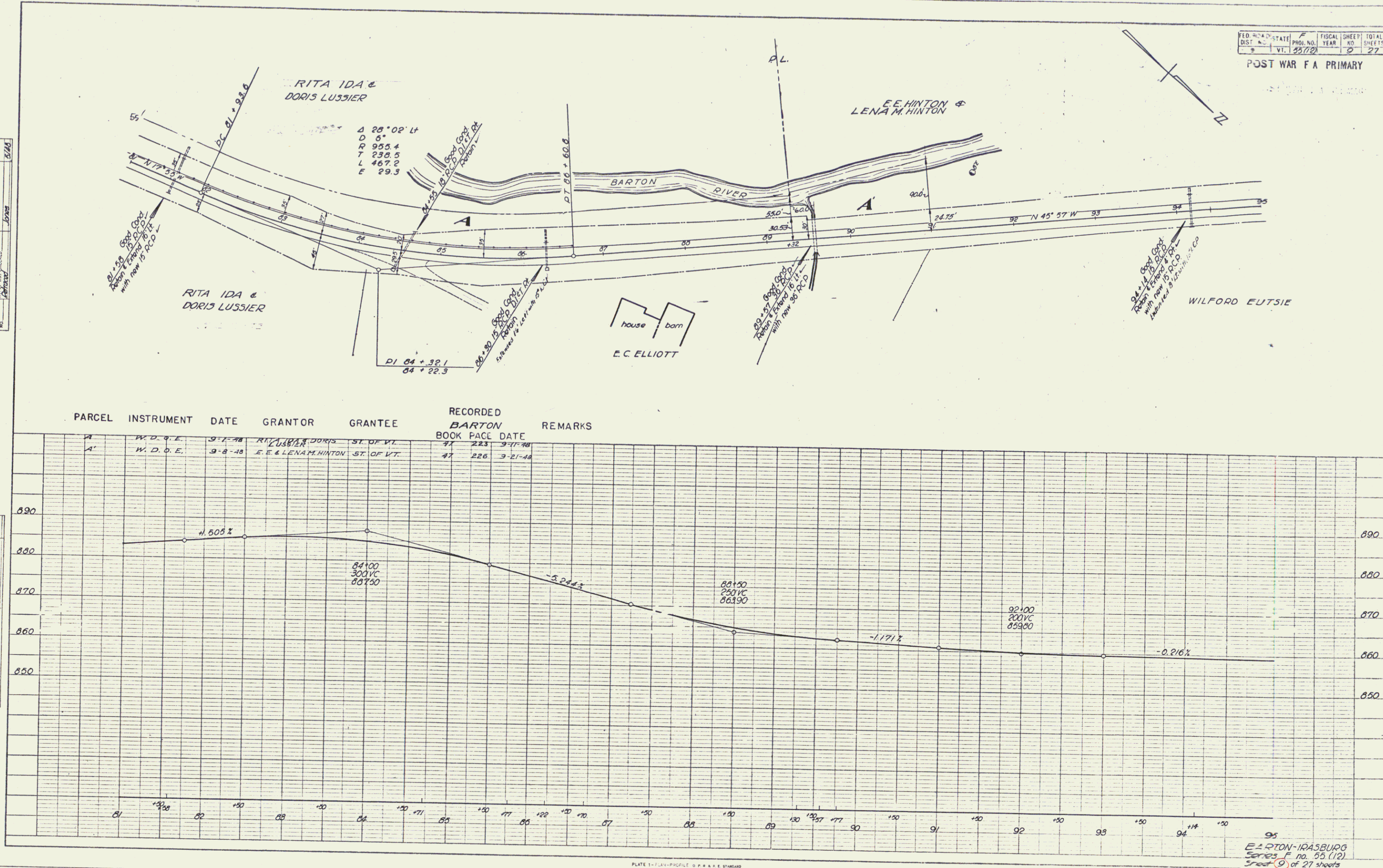


PLATE 1 - PLAN - PROFILE OF P.W.A. & STANDARD
 FIELD & CIVIL CO., NEW YORK
 N.E. & CO. INC. 1951

BARTON-IRASBURG
 Series F no. 55/12
 Sheet 8 of 27 sheets

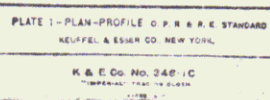
PLAN
 REVISIONS
 NO. BY DATE
 1 BY 5/24
 NOTE BOOK ALIGNMENT CHECKED
 NO. BY DATE
 1 BY 5/24



PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED BOOK PAGE DATE	REMARKS
A	W.D.O.E.	9-1-48	RITA IDA & DORIS LUSSIER	ST. OF VT.	31 223 9-11-48	
A	W.D.O.E.	9-8-48	E.E. & LENA M. HINTON	ST. OF VT.	47 226 9-21-48	

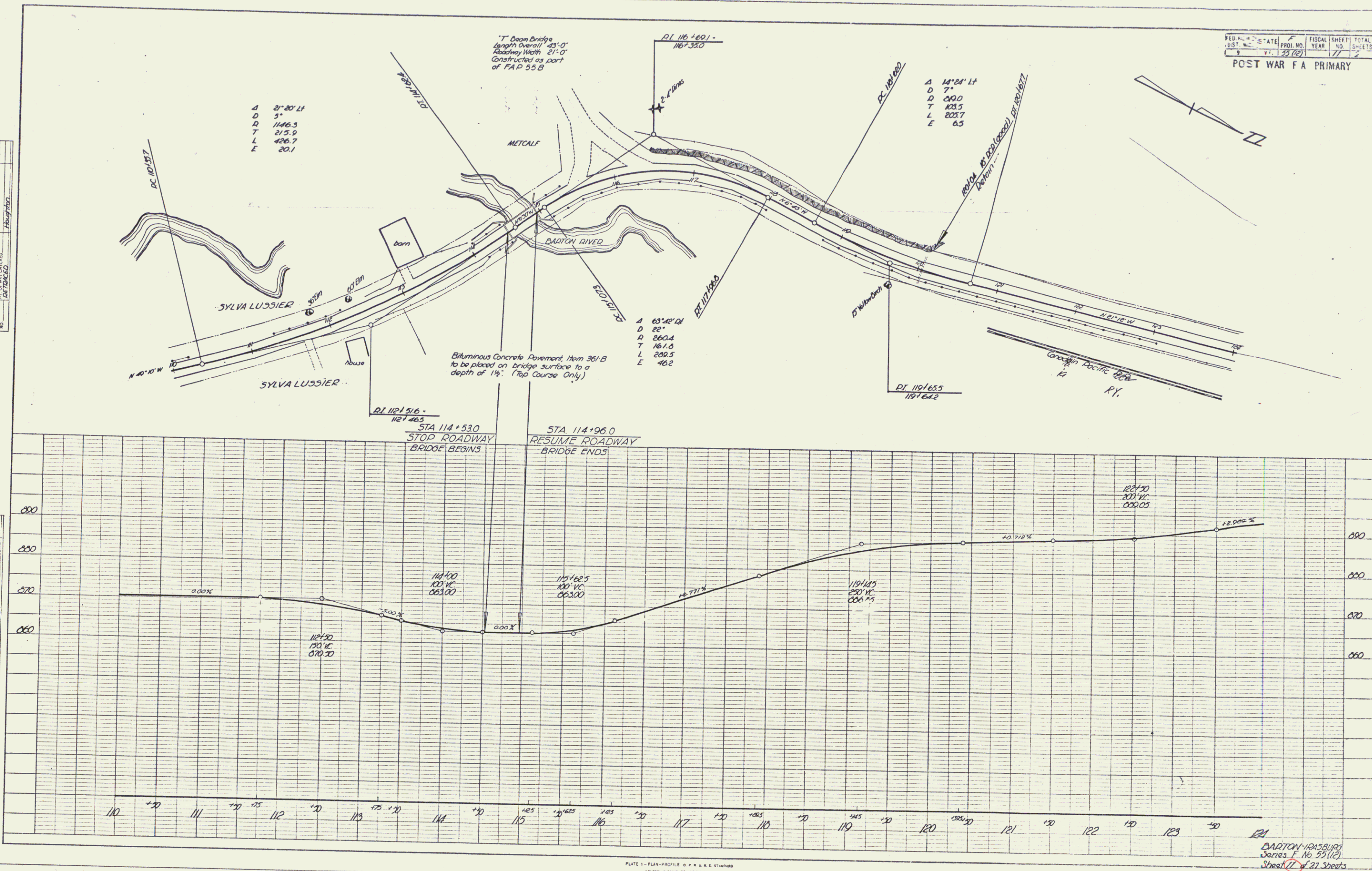
PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
	RETAINED	Houghton	

PROFILE		SURVEYED	BY	DATE
NOTE BOOK		PLOTTED		
NO		GRADUS CHECKED		
		B. M.'S NOTED		
		STRUCTURE NOTATIONS CH'KD.		



PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
	<i>RETAINED</i>	<i>Houghton</i>	

PROFILE	SURVIVED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRAD'S CHECKED		
	B. M.'S. NOTED		
	STRUCTURE NOTATIONS CH'KD.		



BARTON-IRASBURG
Series F No 55 (12)
Sheet 11 of 27 Sheets

PLATE 1-PLAN-PROFILE O. P. R. & R. S. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

K & E Co. No. 34B-1C

PLAN	DATE	BY
DESIGNED		
CHECKED		
NOTED		
REVISIONS		
NO.		

PROFILE	DATE	BY
DESIGNED		
CHECKED		
NOTED		
REVISIONS		
NO.		

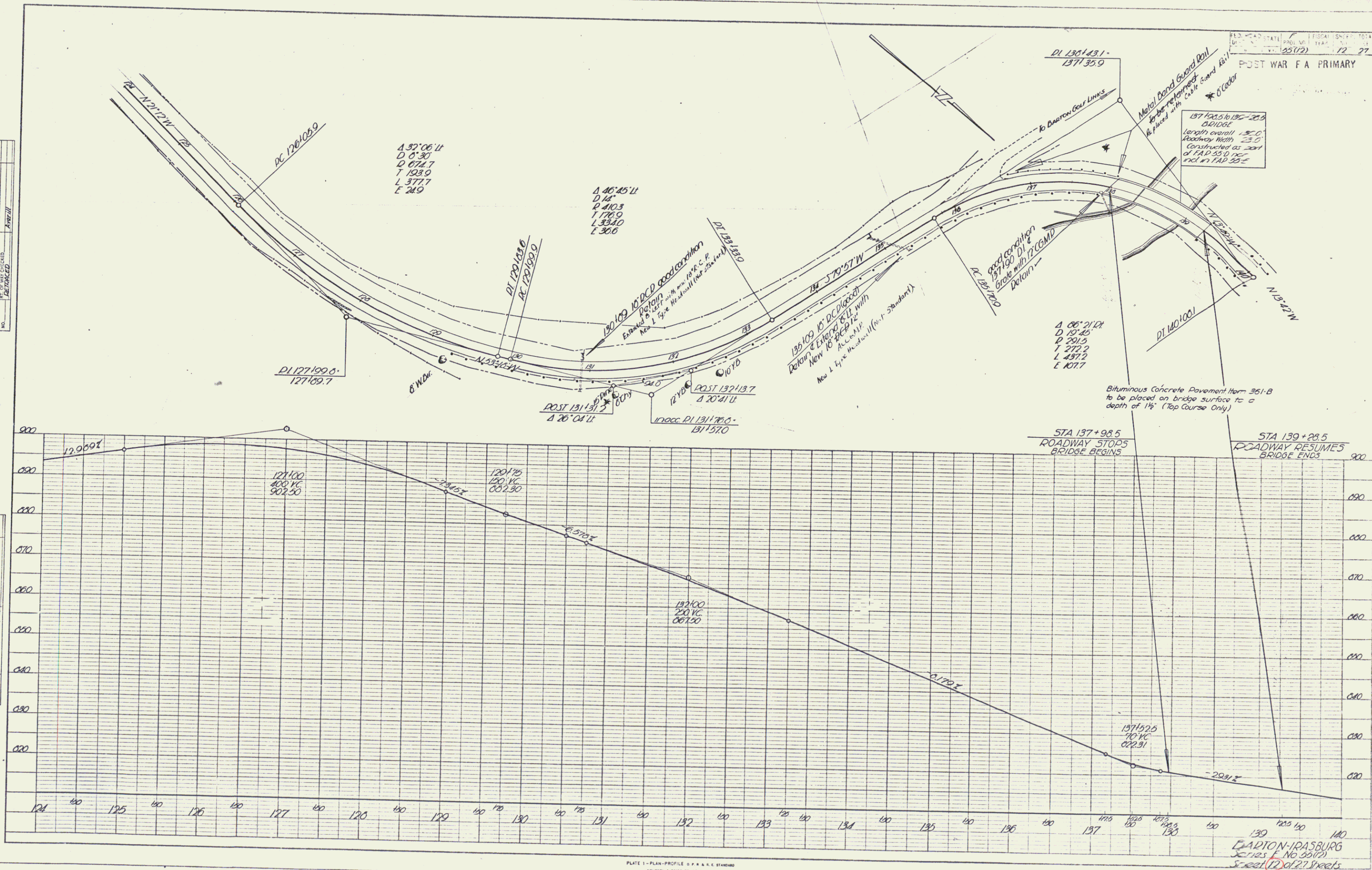


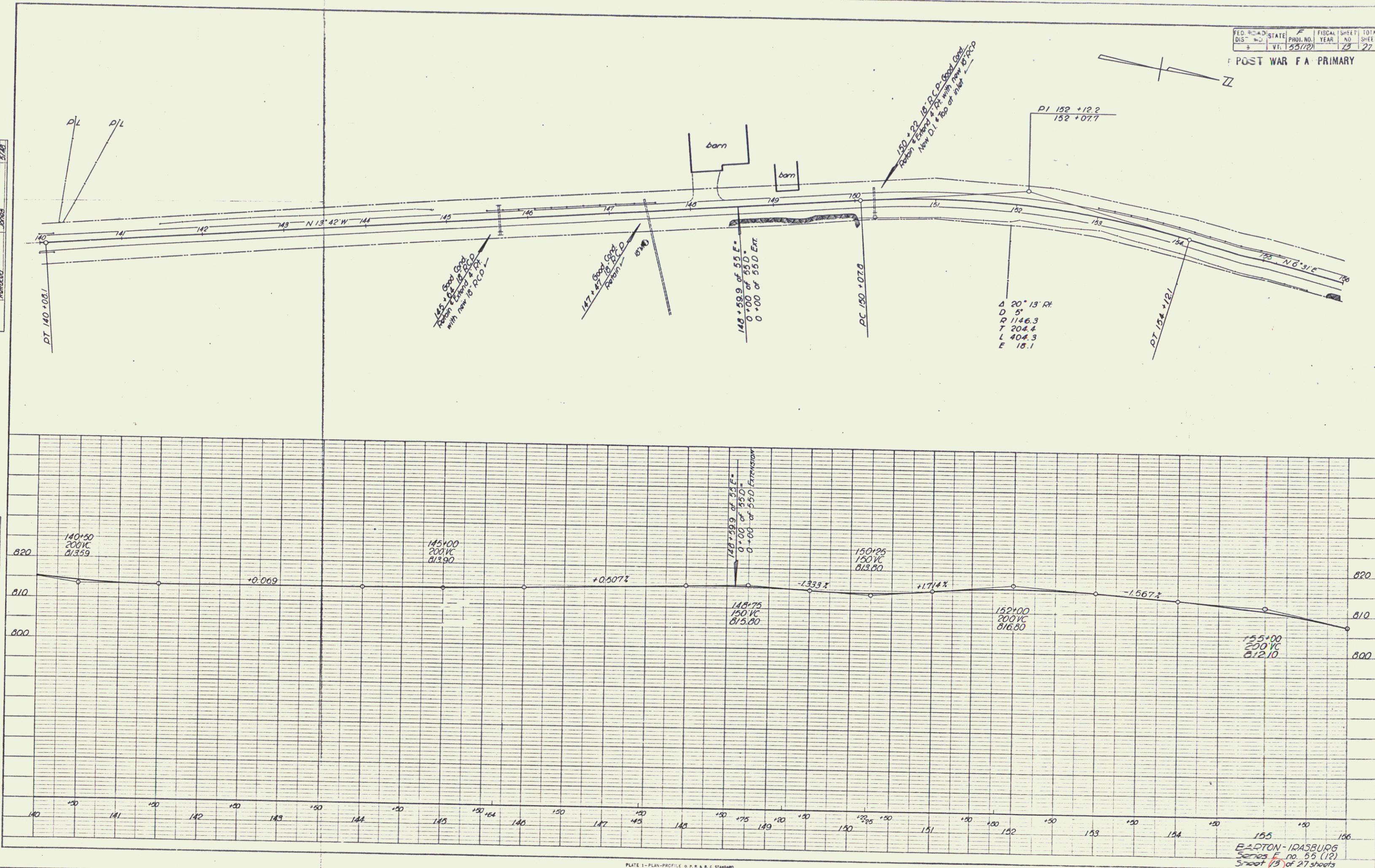
PLATE 1 - PLAN - PROFILE OF P. & S. C. STANDARD
REUPPEL & ELLER CO., NEW YORK

K & S Co. No. 348-1-C
NEW YORK, N. Y.

EDGEMONT-SPASBURG
STREET E. NO. 2202
STREET D. OF 27 STREETS

PLAN	DATE
BY	DATE
CHECKED	DATE
NO.	DATE

PROFILE	DATE
BY	DATE
CHECKED	DATE
NO.	DATE



FED. ROAD DIST. NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
VI. 55772	PA	1957	27	27

POST WAR FA PRIMARY

PLATE 1-PLAN-PROFILE OF R.R. & R.E. STANDARD
KUTZEL & ELDER CO. NEW YORK

K & E CO. NO. 348-1C
NEW YORK, N.Y.

BARTON-IRASBURG
Series E, No. 55 (12)
Sheet 27 of 27 sheets

PLAN	REVISED	DATE
NOTE BOOK	ALIGNED CHECKED	
NO.	DATE	

PROFILE	REVISED	DATE
NOTE BOOK	ALIGNED CHECKED	
NO.	DATE	

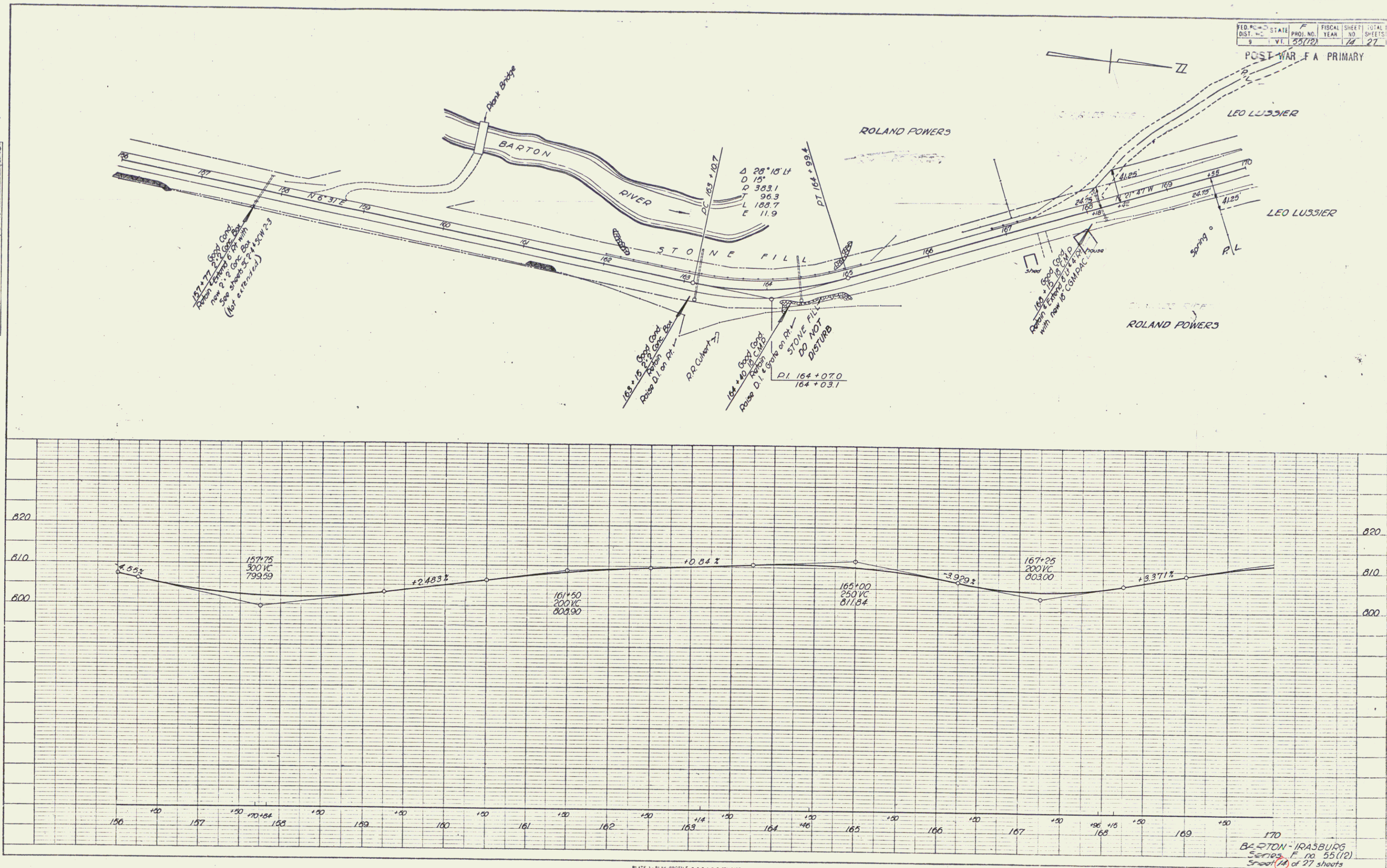


PLATE 1-PLAN-PROFILE OF R.R. & E. STANDARD
KELLEY & ESSER CO., NEW YORK

K & E Co. No. 346-H
"TRAFFIC" TRUCKS ELEV.

BARTON - IRASBURG
Series F No. 55(12)
Sheet 10 of 27 sheets

PLAN	DATE	BY	CHKD
DESIGNED			
CHECKED			
NOTED			
NO.			

PROFILE	DATE	BY	CHKD
DESIGNED			
CHECKED			
NOTED			
NO.			

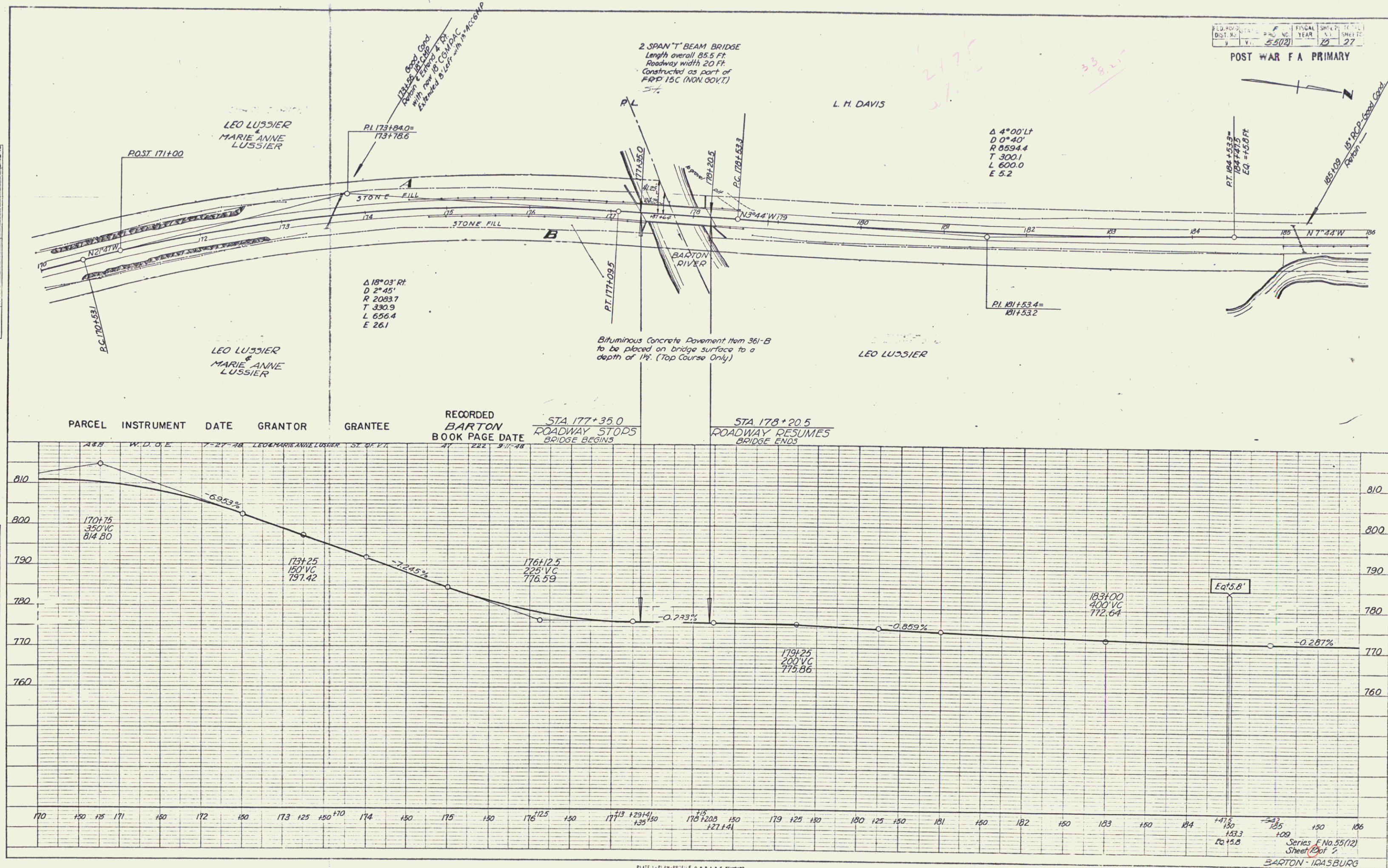


PLATE 1 - PLAN PROFILE OF R.R. & E. RIVER

K & E Co. No. 348-C

Series F No. 55(12)
Sheet 2 of 2
BARTON - IQASBURG

PLAN	DATE	BY	CHECKED
DESIGNED	10/1/2014	AWH	
NOTED			
NOTED			

PROFILE	DATE	BY	CHECKED
DESIGNED	10/1/2014	AWH	
NOTED			
NOTED			

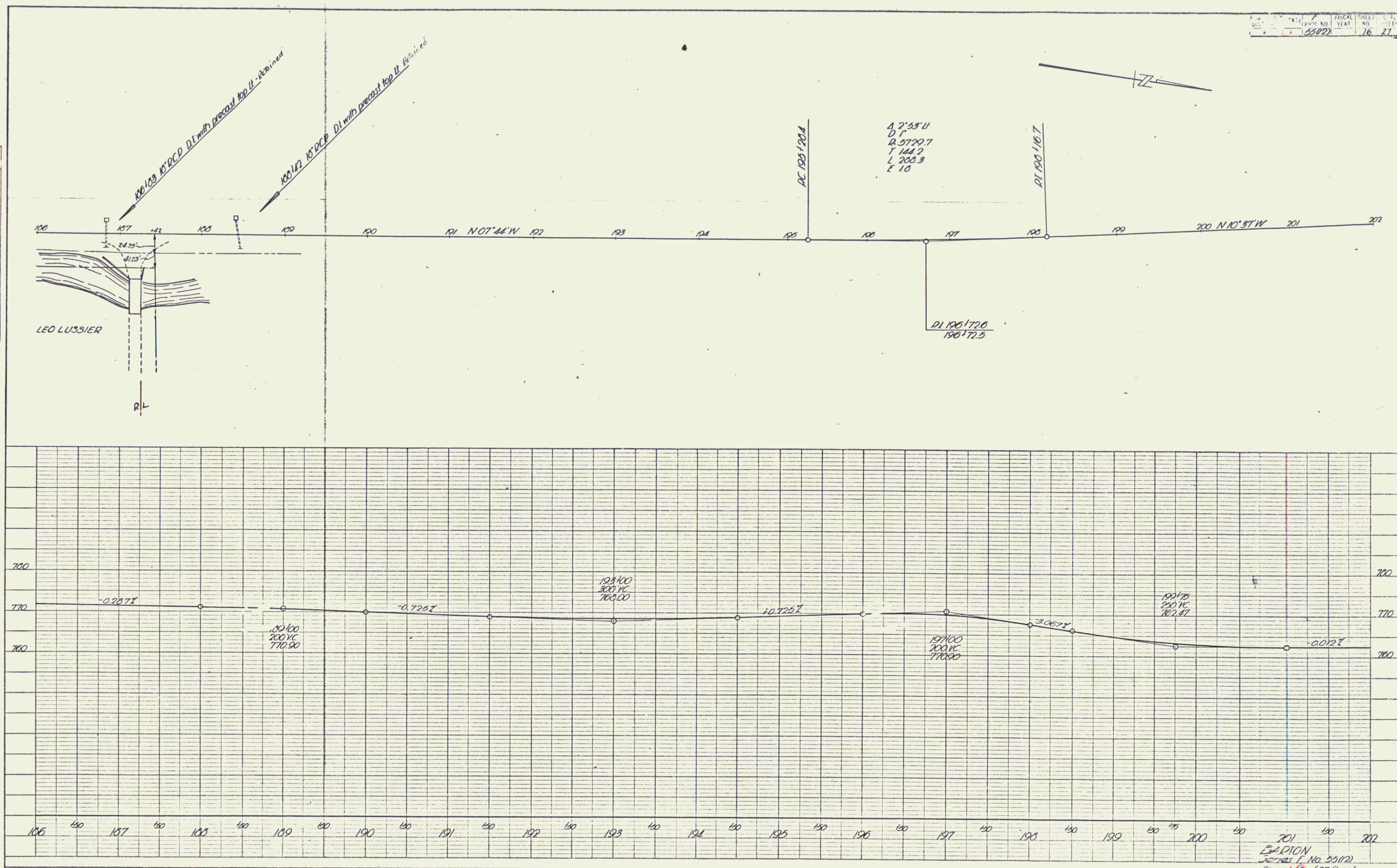


PLATE 1 - PLAN PROFILE OF R & E STANDARD
KUTTEL & SONS CO., NEW YORK

K & E Co. No. 348-1C
NEW YORK

SECTION
Series F No. 55(12)
Sheet 16 of 27 sheets

PLAN
 SURVEYED BY
 DATE
 CHECKED BY
 DATE
 NO. OF WAYS CHECKED
 NO.

PROFILE
 SURVEYED BY
 DATE
 CHECKED BY
 DATE
 NO. OF WAYS CHECKED
 NO.

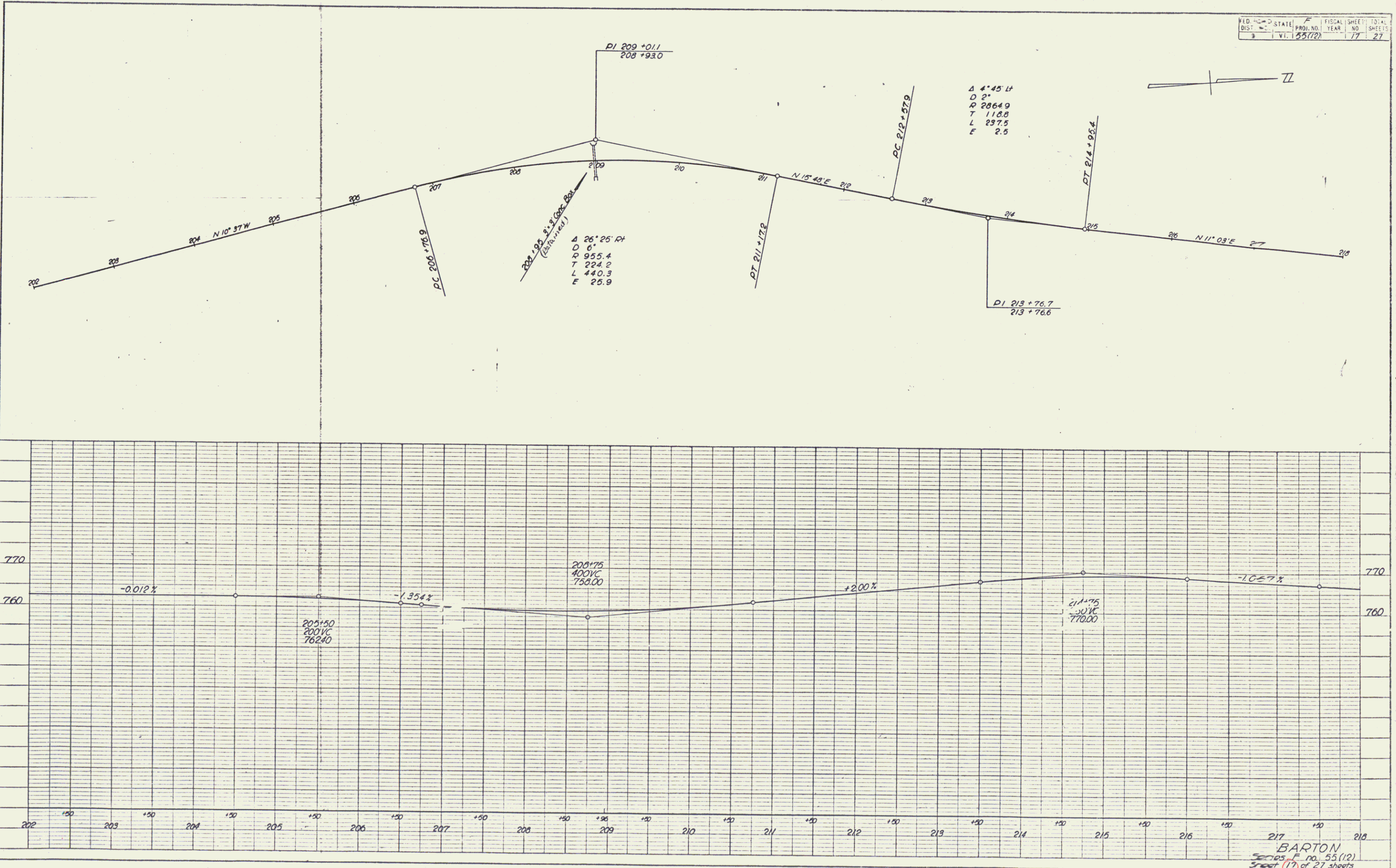


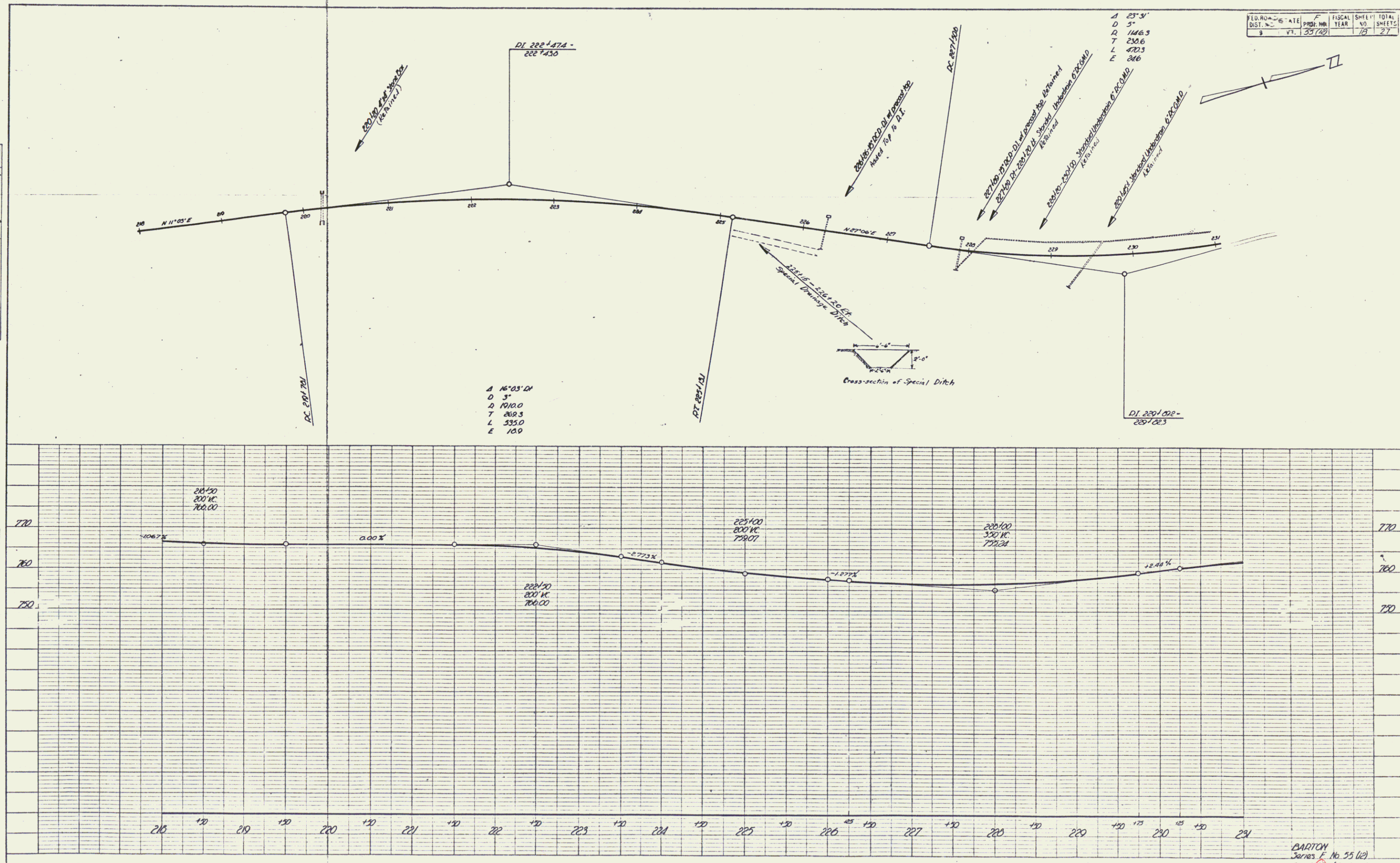
PLATE 1 - PLAN-PROFILE OF P & R K STANDARD

K & E CO. NO. 348-10

BARTON
 Series F no. 55(12)
 Sheet 17 of 27 sheets

PLAN	DATE	BY
REVISIONS		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
REVISIONS		
NOTE BOOK		
NO.		



FED. ROAD DIST. NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	25 (12)	13	27

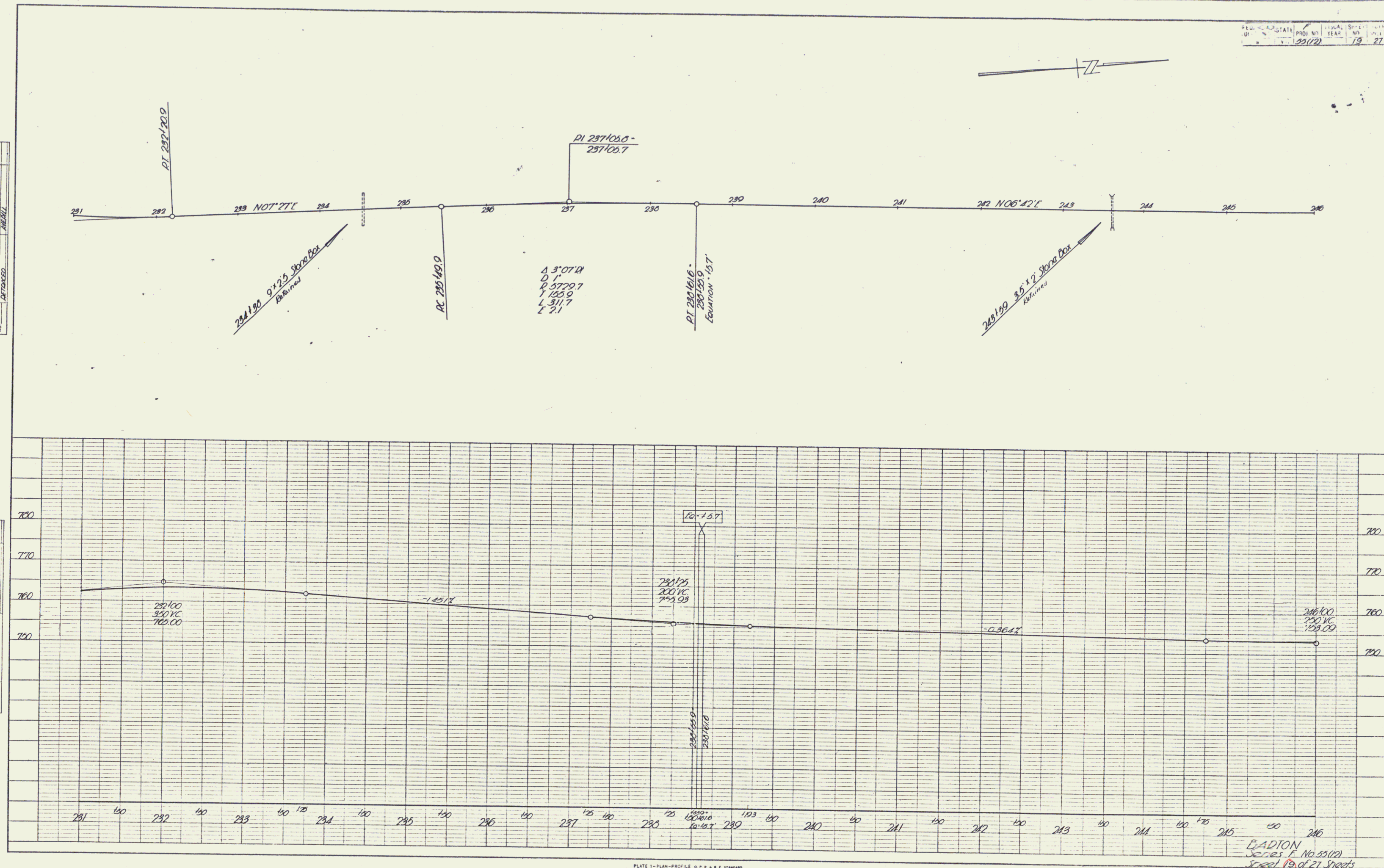
PLATE 1 - PLAN-PROFILE OF P.A.R.E. STANDARD
HUTTEL & EISEN CO. NEW YORK

H & E Co. No. 348-10

BARTON
Series F No. 55 (12)
Sheet 13 of 27 Sheets

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
	RETAINED	OVERALL	

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	BY M.S. NOTED		
	STRUCTURE NOTATION CHKD.		



140
EADTON
Series F No. 55 (12)
Sheet 19 of 27 Sheets

PLATE 1-PLAN-PROFILE O. P. R. & R. E. STANDARD
KEMPTEL & ESSER CO. NEW YORK.

K & E Co. No. 348-1C

PLANNING	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
VI.	35(12)	20	27	

PLAN	DATE
REVIEWED	
DESIGNED	
CHECKED	
DATE	7/1/8

PROFILE	DATE
REVIEWED	
DESIGNED	
CHECKED	
DATE	

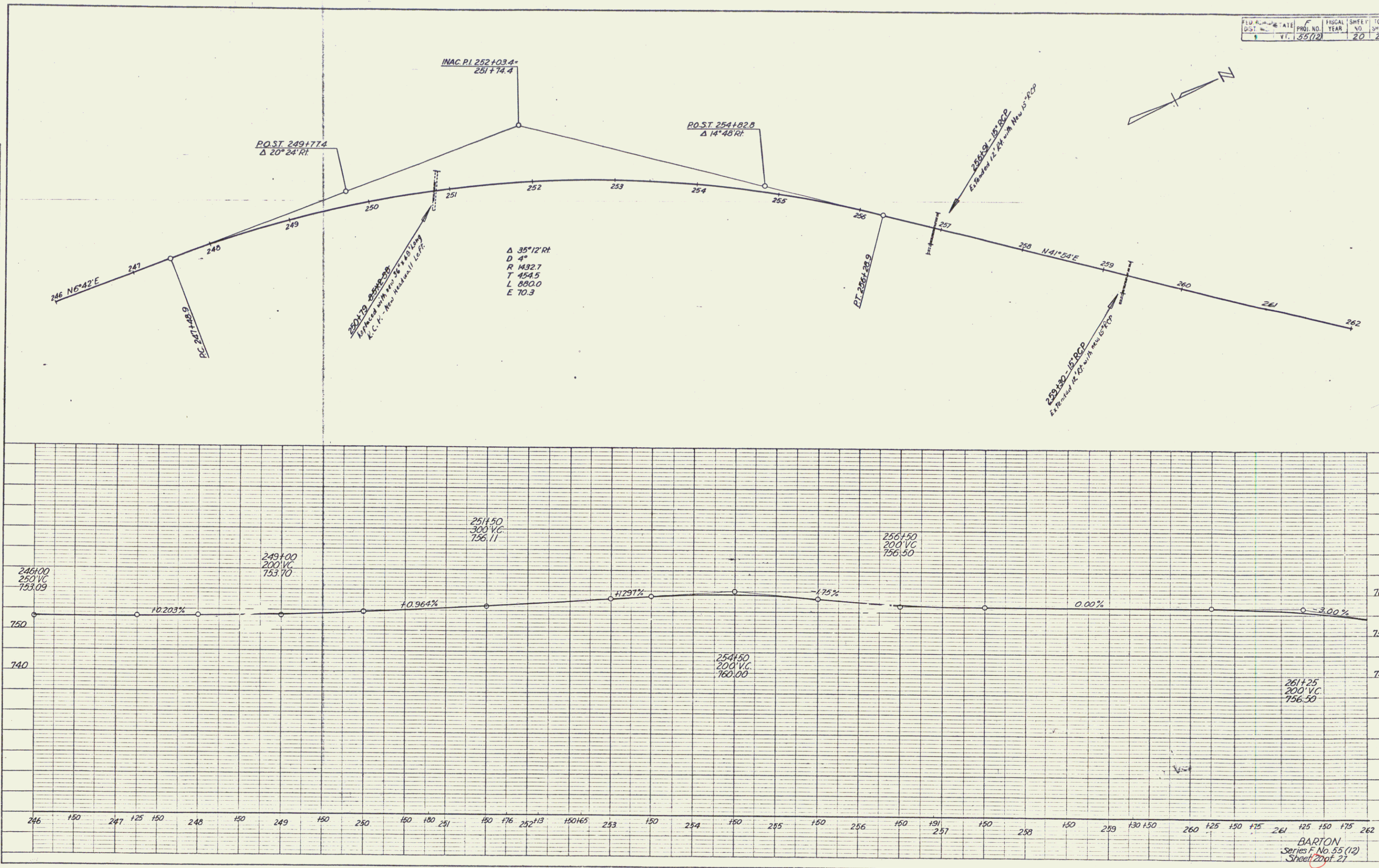


PLATE 1 - PLAN PROFILE D.P. & R.E. STANDARD
RELIABLE & ESSER CO., NEW YORK.

N. & E. CO. INC. 348-1110
NEW YORK, N.Y.

BARTON
Series F No. 55 (12)
Sheet 20 of 27

PLAN	DATE	3/18
	BY	
	CHECKED	
	NOTED	
NOTE: BOON ALIGNED CHECKED		
NO. 1200		

PROFILE	DATE	
	BY	
	CHECKED	
	NOTED	
NOTE: BOON ALIGNED CHECKED		
NO. 1200		

FED. ROAD DIST. NO.	STATE	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	55(12)	21	27	

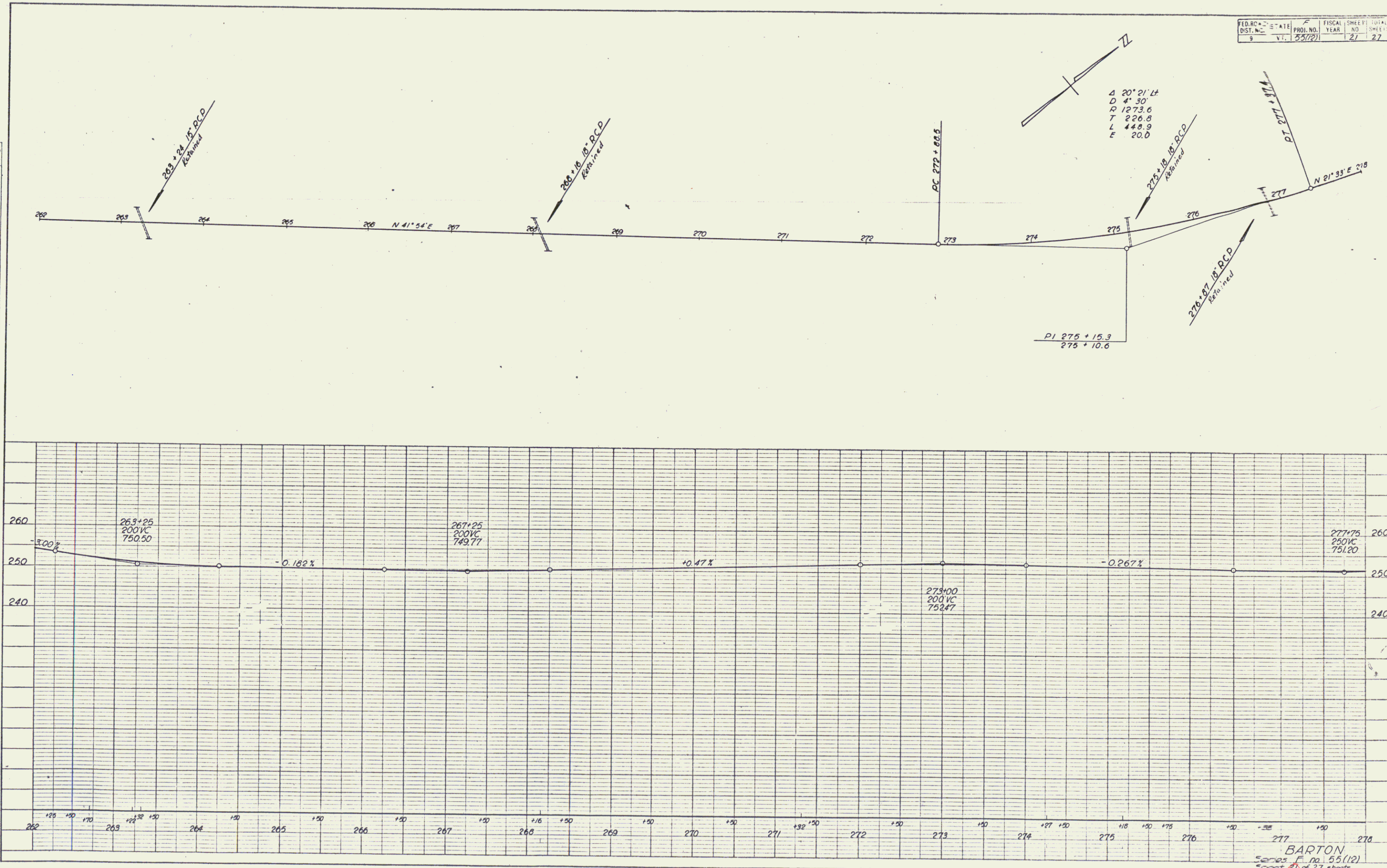
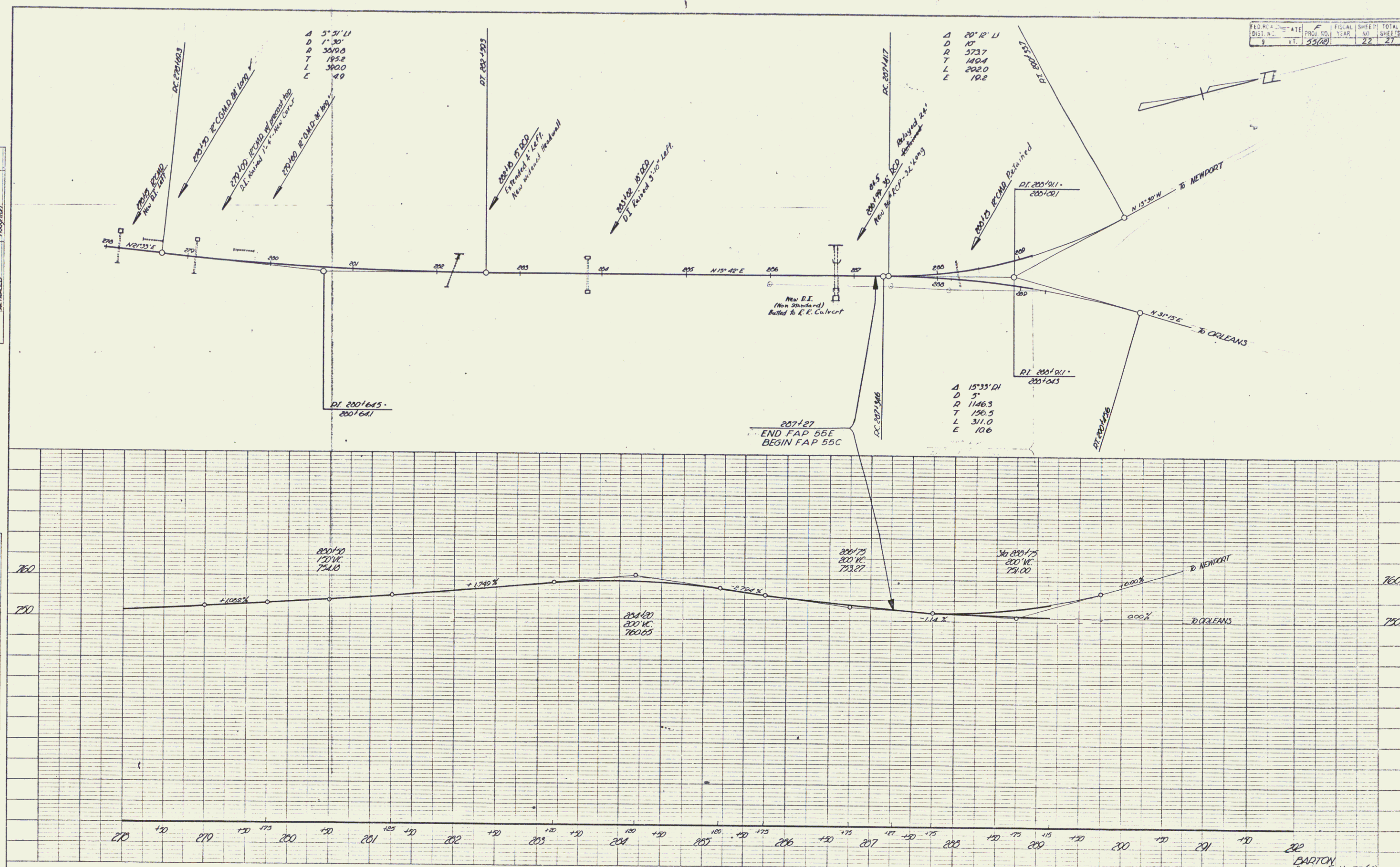


PLATE 1-PLAN-PROFILE OF P & R E STANDARD
 ADJUSTED & EXHIBIT CO. NEW YORK

N. E. & Co. No. 348-10
 NEW YORK, N. Y.

BARTON
 Series F no. 55(12)
 Sheet 27 of 27 sheets

PROFILE	SURVIVED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	D. W. S. NOTED		
	STRUCTURE NOTATIONS CHECKED		



BARTON
Series F No. 55 (12
Sheet 22 of 27 Sheet