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2	BANKING AND WIDENING TABLES
3	PLAN AND PROFILE SHEETS
4-8	DETAILS OF EXTENSION TO 1914 R.C. BOX STR. 461152
9	STANDARD STRUCTURE SHEET 3-23 PIPE CULVERTS
10	" " " " 3-23 BOX " "
11	" " " " 3-30 GUARD RAIL
12	" " " " 3-31 BOUNDARY MARKERS
13	" " " " 3-30 BARRICADES, SIGNS, & LIGHTS
14	" " " " " "
15-18	CROSS SECTION SHEETS

STANDARD STRUCTURE SHEETS APPROVED
BY THE CHIEF ENGINEER
5 28 E 5 29 JULY 11, 1933
5 30 AUG 15, 1933
5 31 JULY 25, 1934

(To Be Returned to H.O.W. Division)
4-18
PERMIT
TOWN FILE
HIGHWAY DIVISION

STATE OF VERMONT STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT

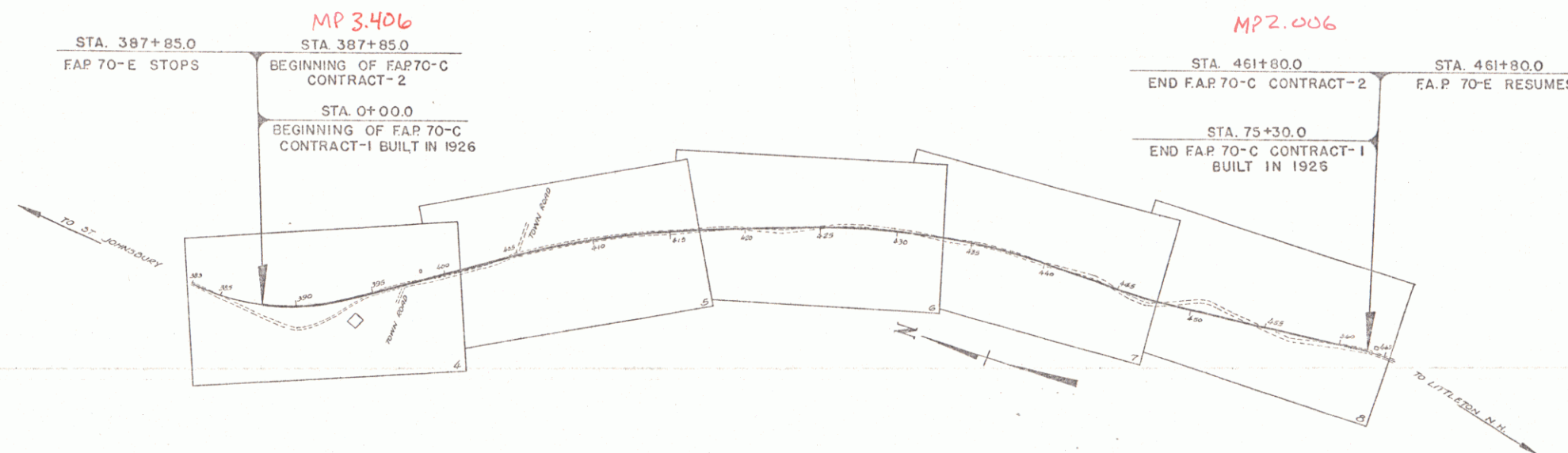
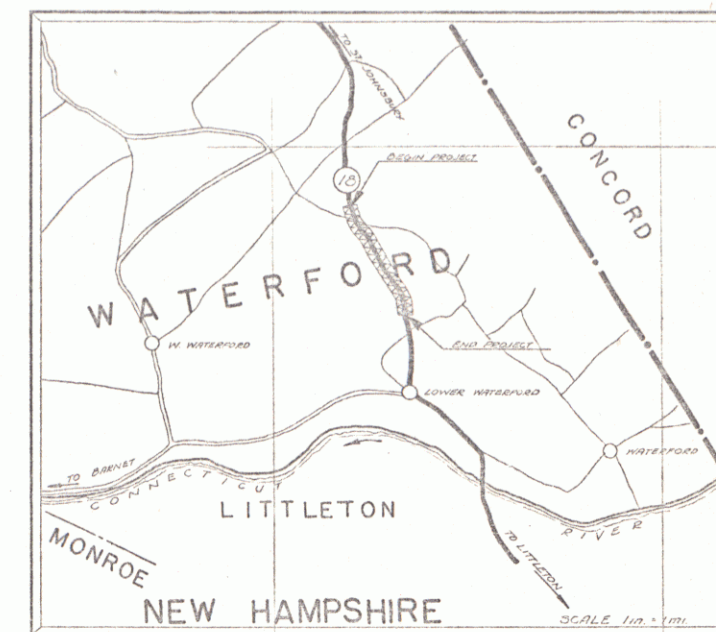
TOWN OF WATERFORD

ST. JOHNSBURY VT. - LITTLETON NH. ROAD

BEGINNING AT A POINT 3.349 MILES NORTHERLY OF THE INTERSTATE BRIDGE
PROJECT 263 & EXTENDING 1.400 MILES SOUTHERLY

LENGTH OF PROJECT 7394.2 FT. = 1.400 MILES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	70-C	1934	1	50



Pin # 00551

Project FAP 70C

Route VT18

APPROVED: June 1, 1933
W.E. Sargent
COMMISSIONER OF HIGHWAYS
SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

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	DATUM	LINE
GRADE ELEVATION	DATUM	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	1 IN. = 500 FT.
TYPICAL	1 IN. = 2 FT.
PLAN	1 IN. = 50 FT.
PROFILE	1 IN. = 50 FT.
CROSS SECTIONS	1 IN. = 5 FT.

THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER OF HIGHWAYS. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND STANDARD ROAD AND BRIDGE SPECIFICATIONS OF 1934 AS APPROVED DEC 29 1936 BY THE BUREAU OF PUBLIC ROADS INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE SUBMITTED WITH THE PLANS.

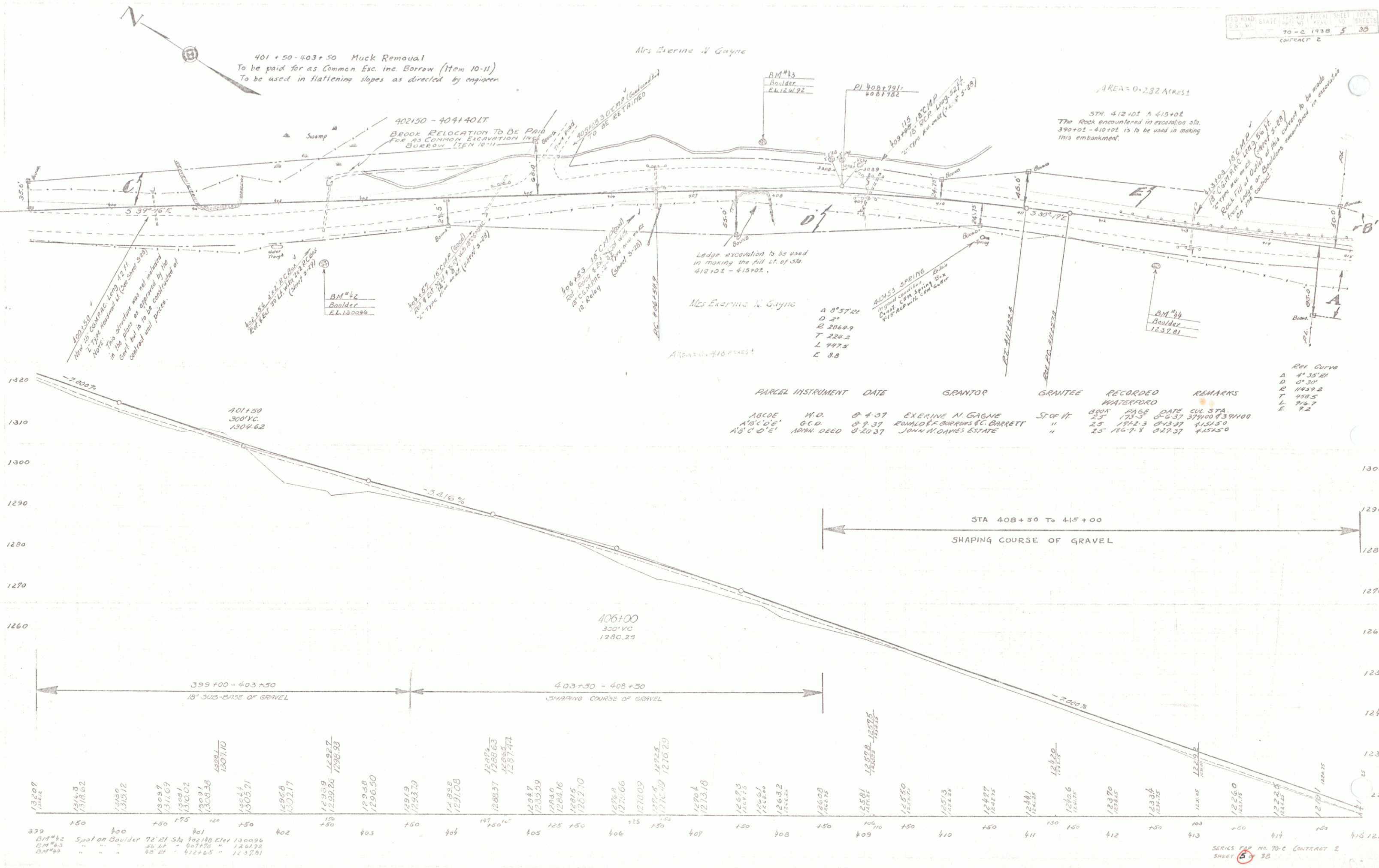
RECOMMENDED
DISTRICT ENGINEER
BUREAU OF PUBLIC ROADS
RECOMMENDED FOR APPROVAL
CHIEF ENGINEER
BUREAU OF
APPROVED
DIRECTOR - BUREAU OF PUBLIC ROADS

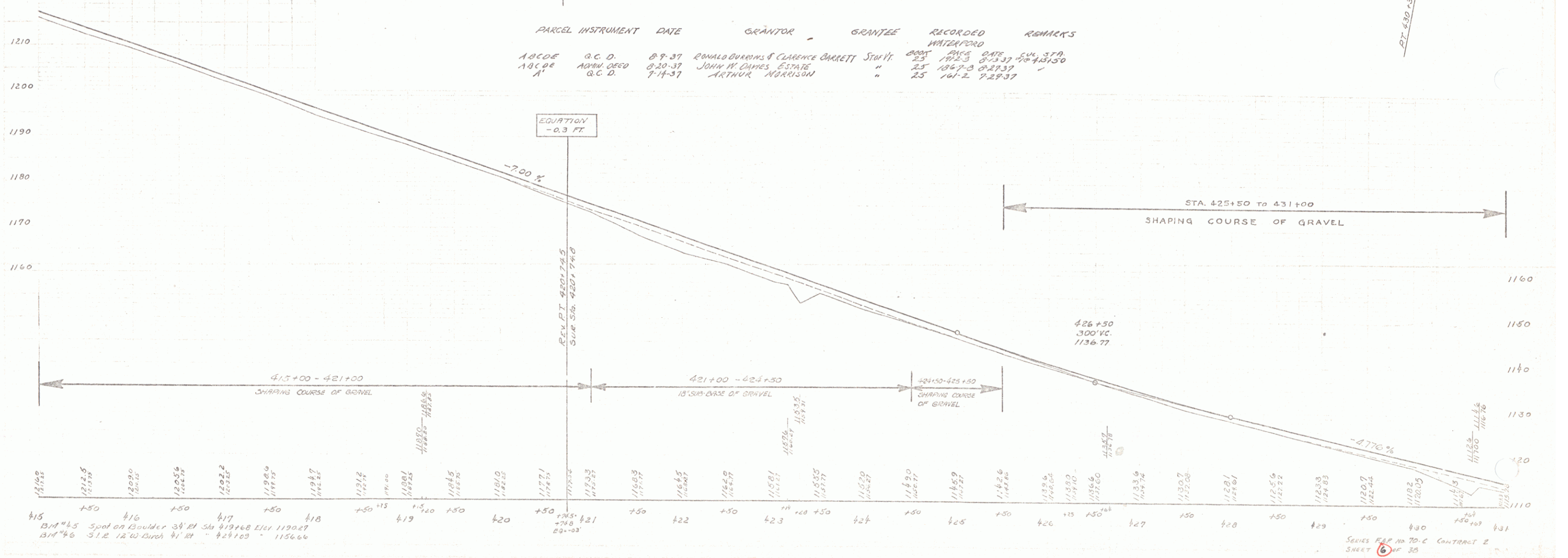
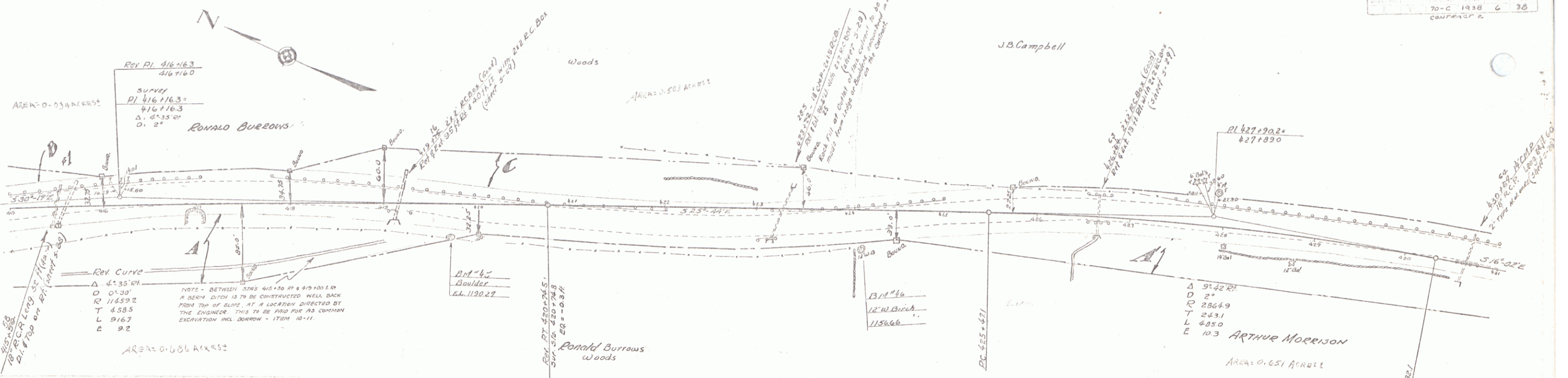
APPROVED: May 12, 1933
W.E. Sargent
DISTRICT HIGHWAY COMMISSIONER

APPROVED: June 1, 1933
W.E. Sargent
CHIEF ENGINEER

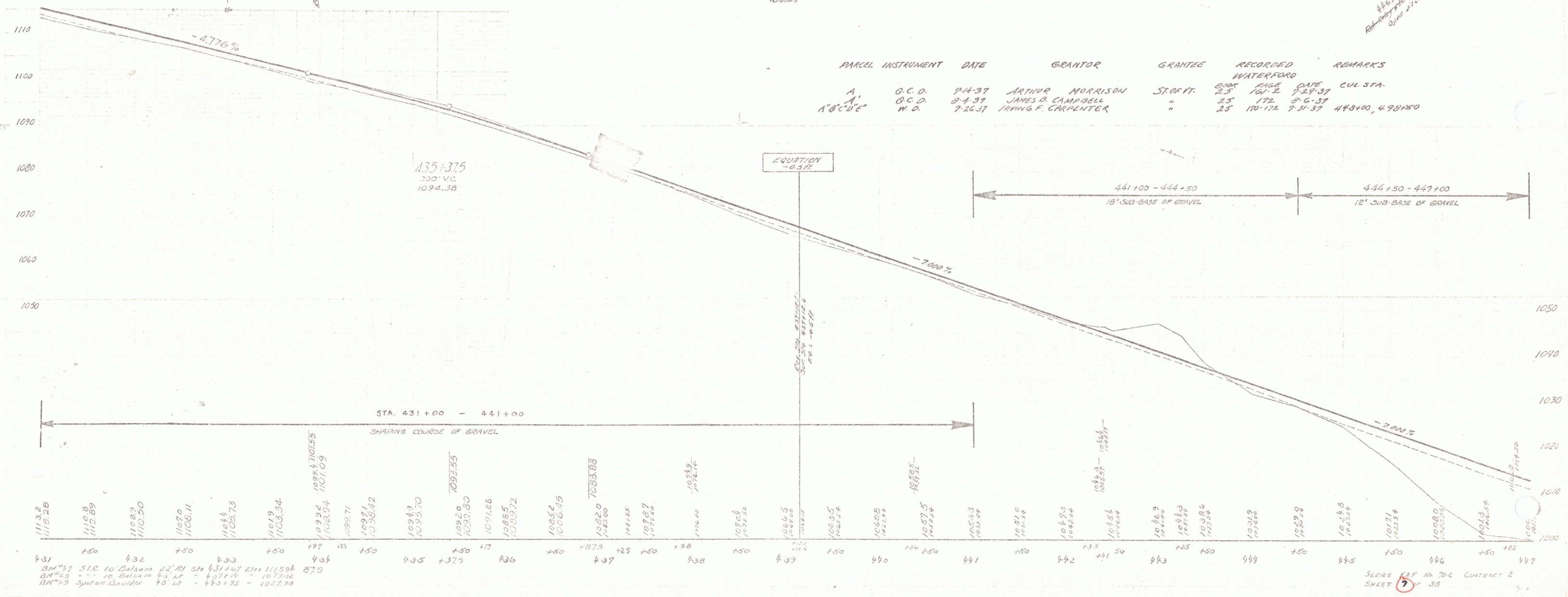
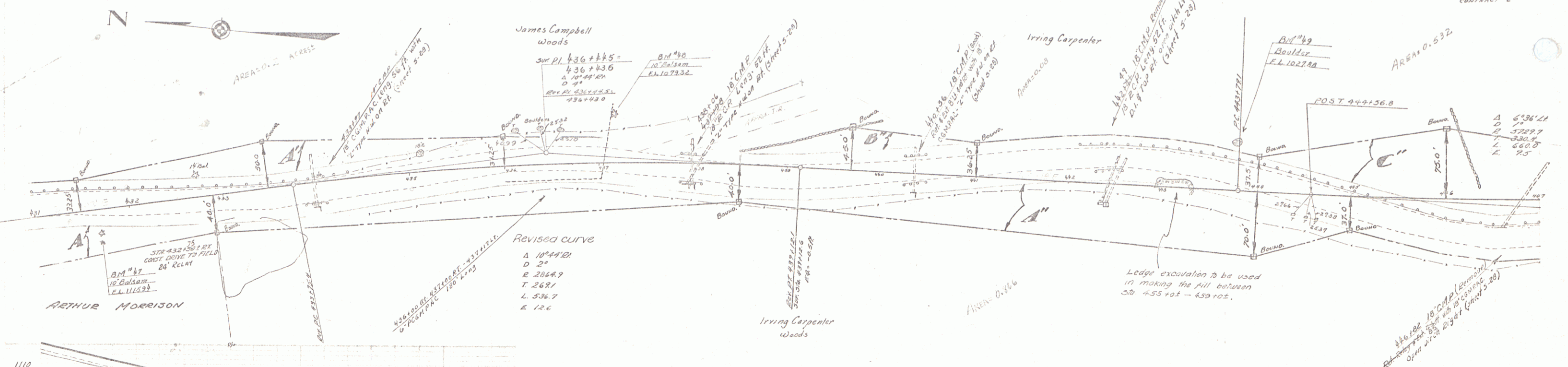
SERIES FAP 70-C FILED
SHEET 1 OF 50

DIST. #7 PLANS





PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
A10005	O.C.D.	8-9-37	RONALD BURROWS & CLARENCE BARRETT	STONY	BOOK 25 PAGE 104	DATE 8-13-37
A10006	ADMM. DESD	8-20-37	JOHN M. DAVES ESTATE	"	25	DATE 8-23-37
A1	O.C.D.	7-14-37	ARTHUR MORRISON	"	25	DATE 10-1-37



PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS
A	O.C.D.	9-4-37	ARTHUR MORRISON	STACY	25	172
A	O.C.D.	9-4-37	JAMES B. CAMPBELL	"	25	172
A	O.C.D.	7-26-37	IRVING F. CARPENTER	"	25	172

INDEX OF SHEETS			
SHEET NO.	TITLE PAGE		
1	2 TYPICAL CROSS-SECTION OF IMPROVEMENT		
2	PLAN AND PROFILE STA. 0+00 TO STA. 11+00		
3	" " " " 11+00 " " 24+00		
4	" " " " 24+00 " " 38+00		
5	" " " " 38+00 " " 51+00		
6	" " " " 51+00 " " 65+00		
7	" " " " 65+00 " " 75+30		
8	" " " " 75+30 " " 75+30		
9	TO 22 CROSS SECTIONS		

STATE OF VERMONT
STATE HIGHWAY DEPARTMENT

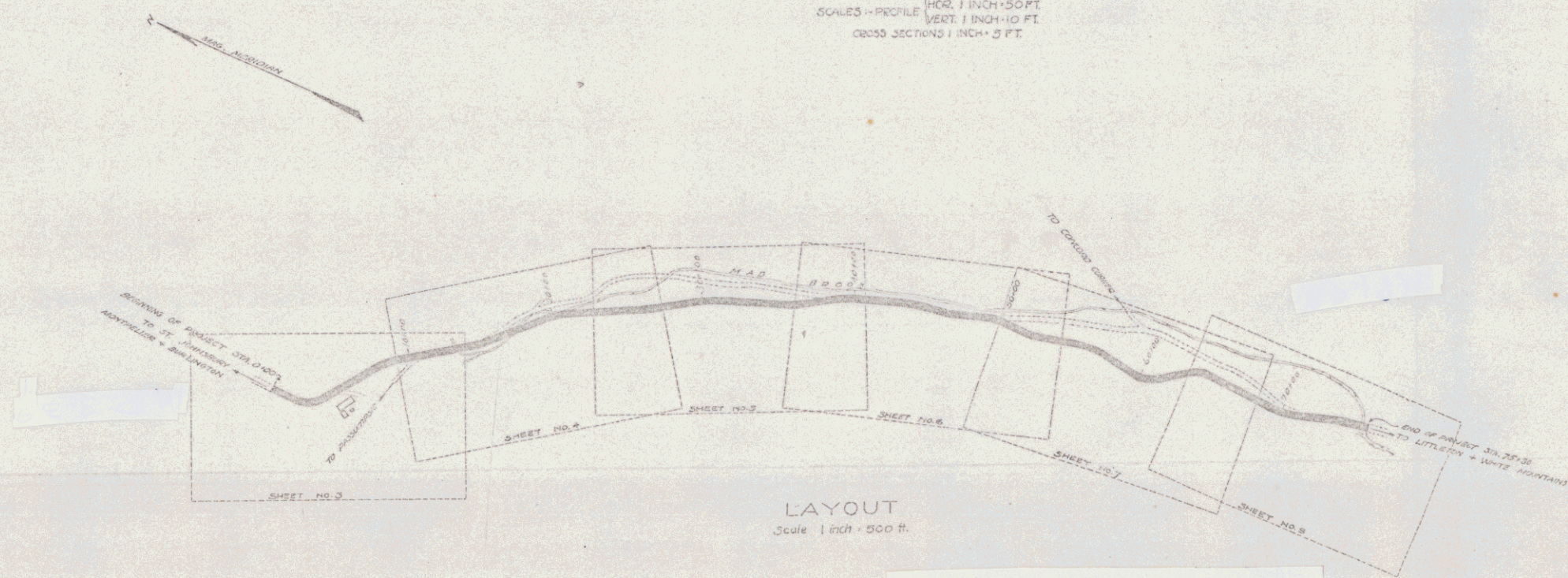
POOR ORIGINAL COPY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FEAS. STUDY NO.	TOTAL SHEETS
9	VT	70C	412	1

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT
TOWN OF WATERFORD
HURLBURT HILL ROAD
FROM 650 FT. NORTH OF N.P. GAGNE'S HOUSE
TO BRIDGE AT FOOT OF HILL



PLAN 1 INCH = 50 FT.
PROFILES 1 INCH = 50 FT.
VERT. 1 INCH = 10 FT.
CROSS SECTIONS 1 INCH = 5 FT.



LAYOUT
Scale 1 inch = 500 ft.

CONVENTIONAL SIGNS

COUNTY LINE	---	GROUND ELEVATION	---
TOWN LINE	---	GRADE ELEVATION	---
FENCE LINE	---		
STONE WALL	---		
UNFENCED PROPERTY	---		
GUARD RAIL	---		
TRAVELED WAY	---		
RAILROAD	---		
RETAINING WALL	---		
CENTER & 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.	P.I.
POINT OF CURVE	P.C.
POINT OF TANGENT	P.T.

Approved by
General Agent
Project 1 R.R. 100
DATE: 6/6/1925
R.H. CURTIS

APPROVED
SUBMITTED BY CHIEF OF THE STATE HIGHWAY BOARD
RECOMMENDED
DISTRICT ENGINEER
RECOMMENDED FOR APPROVAL
CHIEF ENGINEER
APPROVED
DIRECTOR

SERIES 10
Sheet 1 of 22

DIST. # 7 PLANS 7

GUARD RAIL REQUIRED
ON LEFT
Sta 3+55 to 3+79 Length 24ft
- 3+58 - 3+82 - 24-
ON RIGHT
Sta 3+55 to 3+79 Length 24ft
- 3+58 - 3+82 - 24-
TOTAL THIS SHEET 36ft

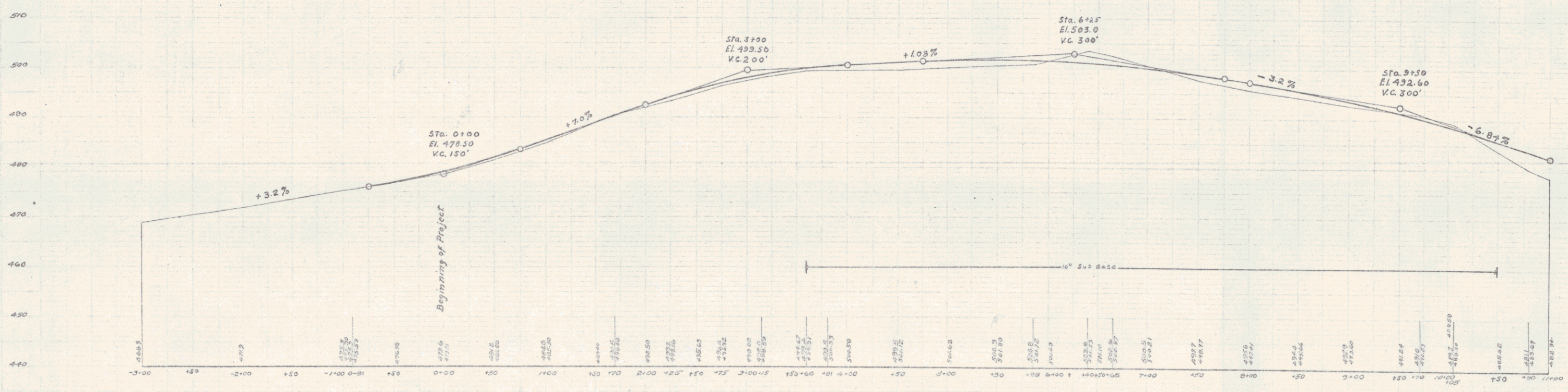
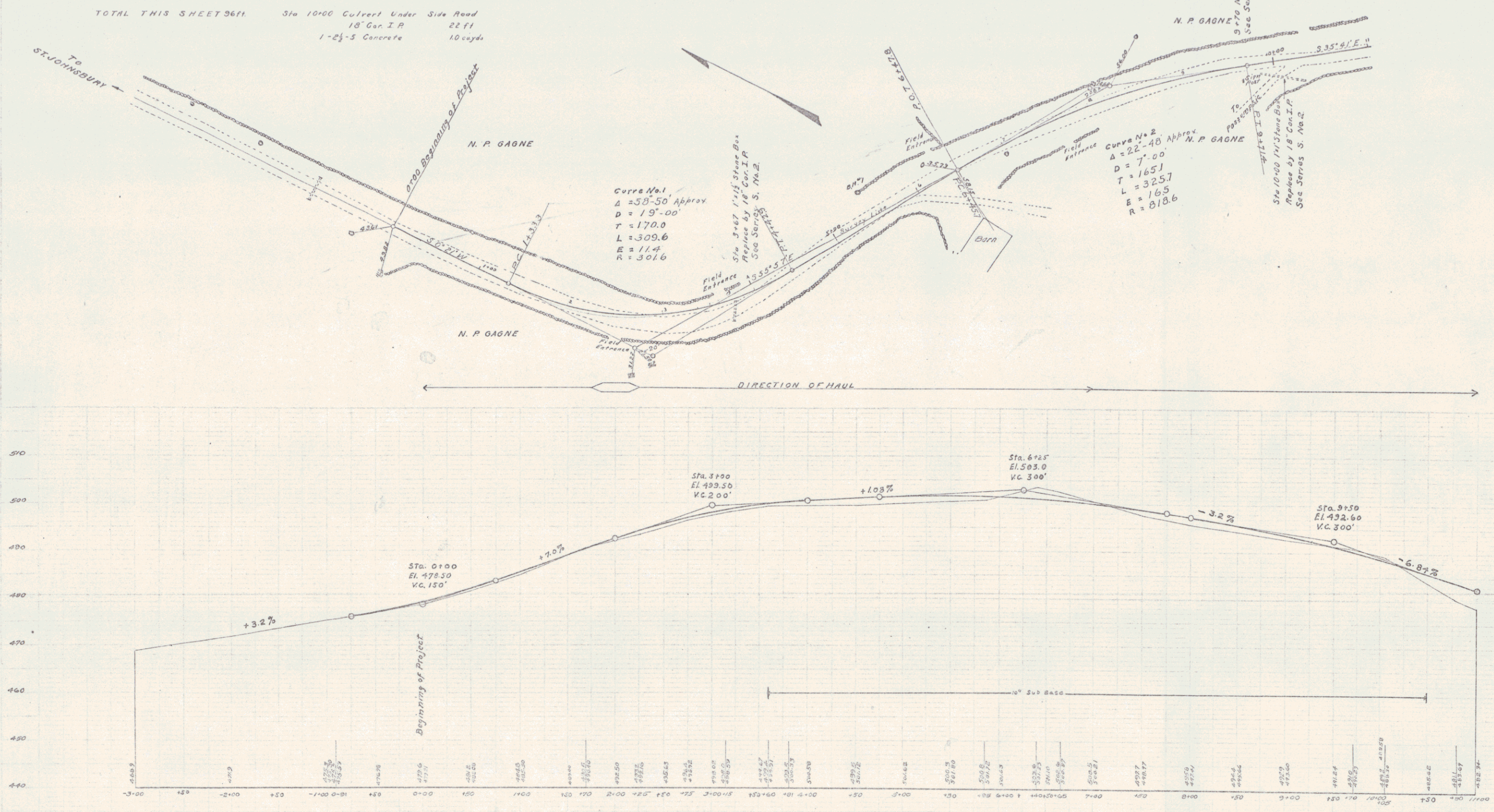
NEW CULVERTS REQUIRED
Sta 3+67 16" Cor. I.P. 30 ft
1-2 1/2-5 Concrete 1.9 cu yds.
Sta 9+70 14" Cor. I.P. 28 ft
1-2 1/2-5 Concrete 1.0 cu yds.
Sta 10+00 Culvert Under Side Road
18" Cor. I.P. 22 ft
1-2 1/2-5 Concrete 1.0 cu yds.

SUB-BASE REQUIRED
Sta 3+60 to 10+50 Length 690 ft

FEED	STATE	FEED	FEED	FEED	FEED
3	VT.	70C	70C	3	22

Amsterdams
H.M. Harcourt
2/1/23
Examined by
P.H. Stevens
2/1/23

Amsterdams
H.M. Harcourt
2/1/23
Examined by
P.H. Stevens
2/1/23



B. M. "I" Natch in roof of 30' elm on left of Sta. 5+44 Elev. 500.0

Series F No 70C
Sheet 3 of 22

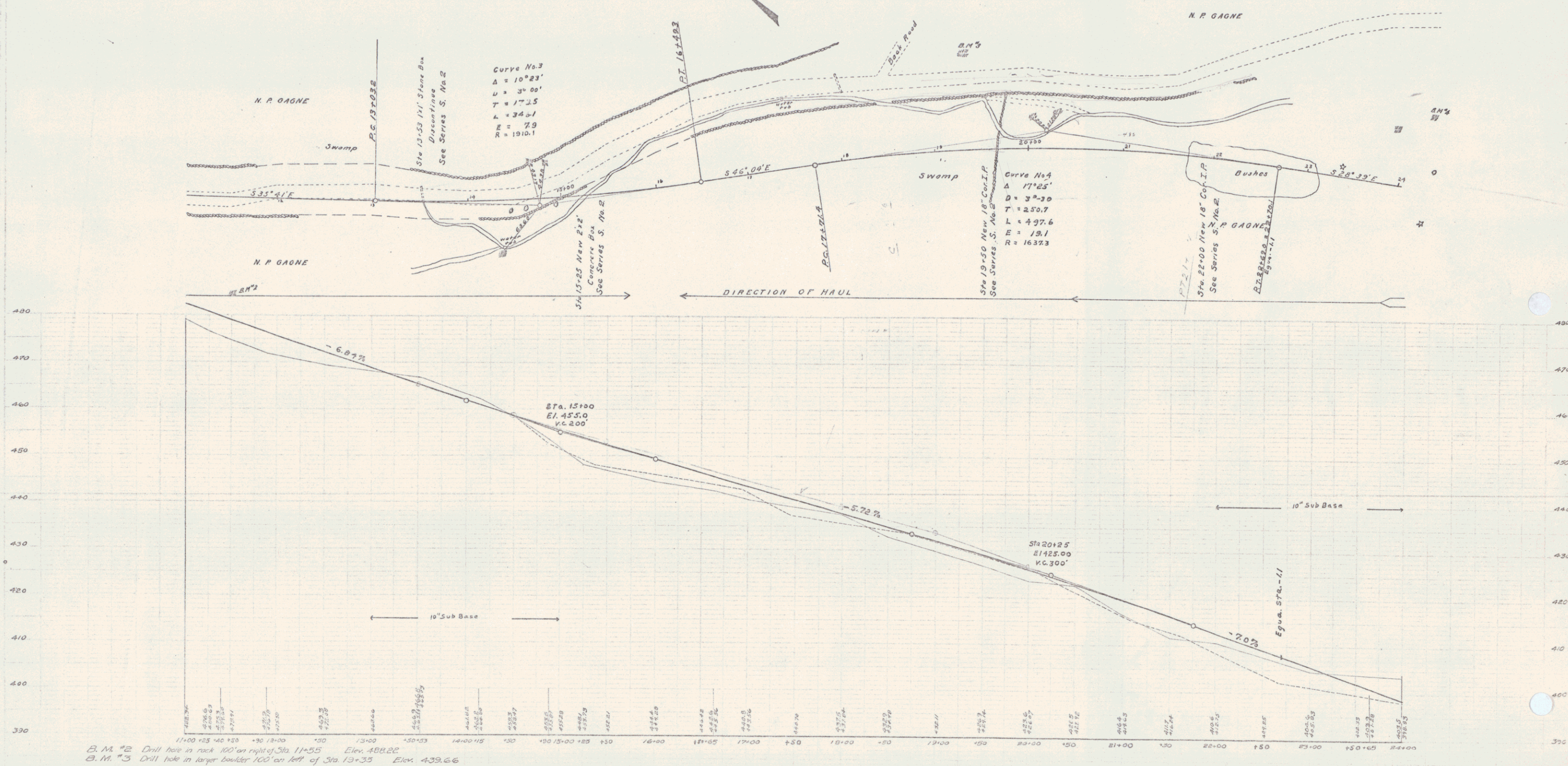
FAP 70C 8

TOTAL THIS SHEET 488ft

Sta 22+00	18" Cor. I. P.	30 ft.
	1-2½-5 Concrete	1.6 cu yds.

100

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOT SHE
9	VT.	70 C	1925	4	22



Series F No 79C
Sheet 4 of 22

PED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	70 C	1925	5	22



Series F No 70C 290
Sheet 5 of 22

SUB-BASE REQUIRED

Sta 38+50 to Sta 41+00 Length 250ft
" 41+00 " " 51+00 " 1000 "

FEDERATION DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	70 C	1925	6	22



Series F No 706
sheet 6 of 22

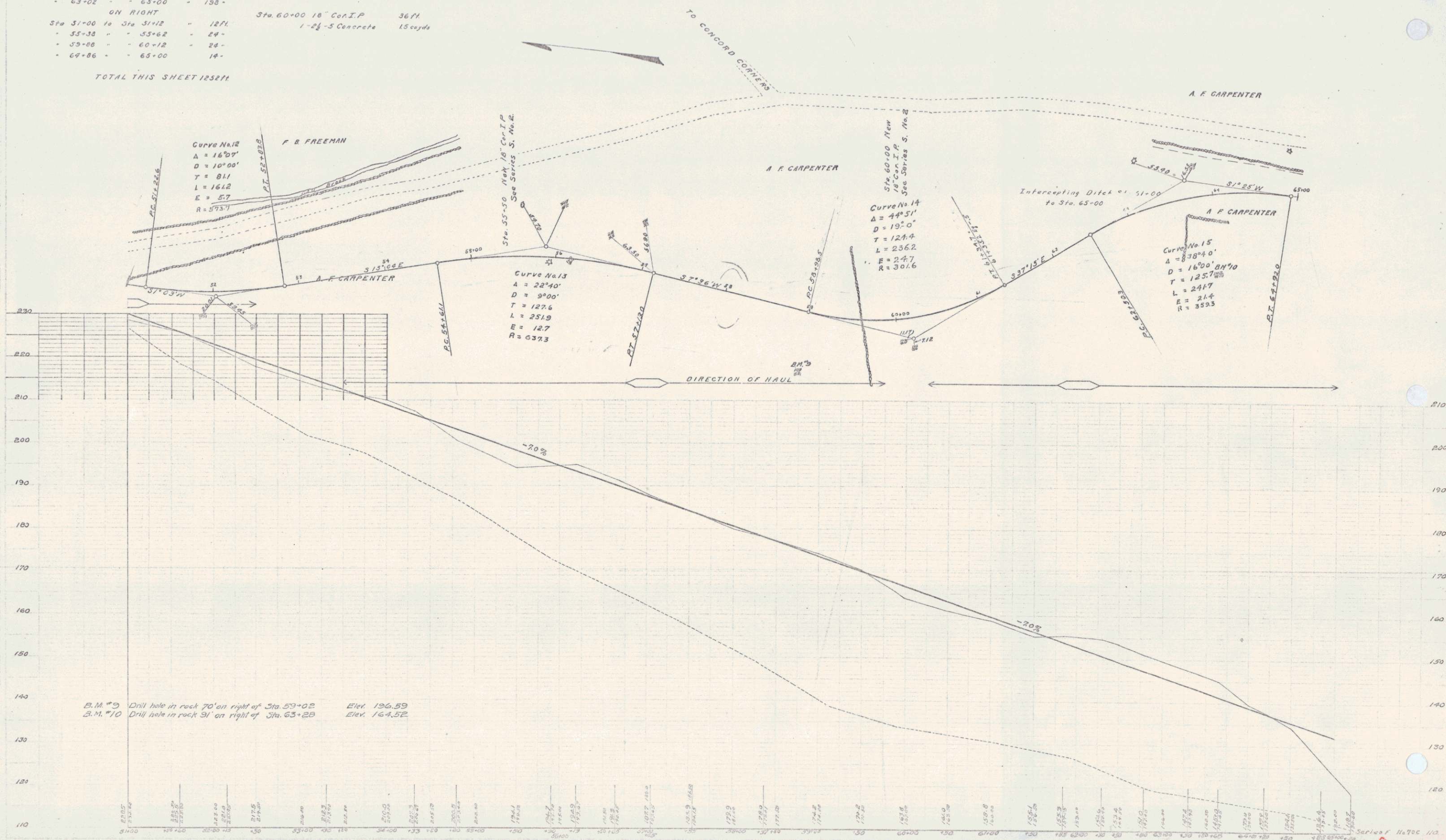
Sta 51+00	to Sta 51+12	Length 12ft
" 51+86	" " 61+54	" 968 "
" 63+02	" " 65+00	" 198 "

ON RIGHT			
Sta 51+00	to	Sta 51+12	" 12 ft.
" 55+38	"	" 55+62	" 24 "
" 59+88	"	" 60+12	" 24 "
" 64+86	"	" 65+00	14 "

TOTAL THIS SHEET 1252ft.

Sta. 55+50	18" Cor. I.P.	42 ft
	1-2½-5 Concrete	19 cu yds

Sta. 60+00 18" Cor. I.P	36 ft.
1-2 1/2 - 5 Concrete	15 cu yds



GUARD RAIL REQUIRED
ON LEFT

Sta 65+00 to Sta 66+96 Length 196 ft.
- 68+75 - " 71+71 " 296 "
- 74+61 - " 75+01 " 40 "
- 75+11 - " 75+27 " 16 "

ON RIGHT

Sta 65+00 to Sta 66+96 Length 196 ft.
- 70+63 - " 70+87 " 24 "
- 74+68 - " 75+08 " 40 "
- 75+18 - " 75+34 " 16 "

NEW CULVERTS REQUIRED

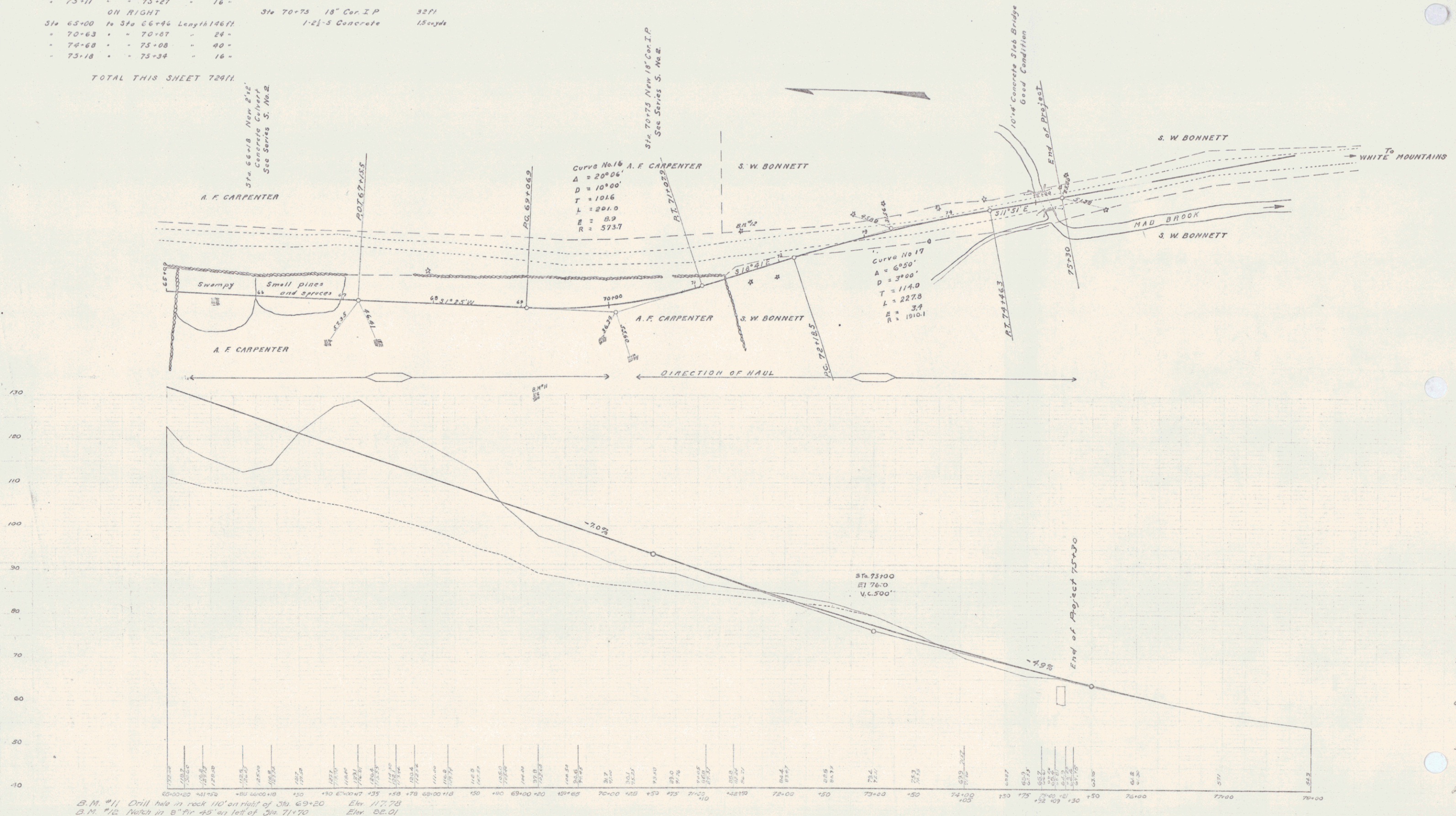
Sta 66+18 2'x2' Concrete Culvert
1-2-4 Concrete 81cords
1-2-5 " 93 "
Sta 70+75 18" Cor. I.P.
1-2-5 Concrete 15cords

TOTAL THIS SHEET 729 ft.

PRELIMINARY	DATE	DESIGNED BY	CHECKED BY	DATE	TOTAL
9	VT	700	1925	8	22

Examined by
A. F. CARPENTER
2/10/25

Examined by
A. F. CARPENTER
2/10/25



Series F No. 70C
Sheet 13 of 22