

INDEX OF SHEETS	
SHEET NO. 1	TITLE PAGE
" 2	TYPICAL CROSS-SECTION OF IMPROVEMENT— GRODING, DRAINAGE, BRSE, & GUARD RAIL, NTH
" 3	BANKING AND WIDENING TABLES DOUBLE TRACK CORT OF REFINED TIR (ITEM-28)
" 4-8	PLAN AND PROFILE SHEETS
" 9	STANDARD STRUCTURE SHEET 3-28 PIPE CULVERTS
" 10	" " 3-29 BOX " "
" 11	" " 3-30 GUARD RAIL & STD. UNDERDRAN
" 12	" " 3-31 BOUNDARY MARKERS
" 13	" " 3-32 CONCRETE CRABBING
" 14	" " 3-40 BARRICADES, SIGNS & LIGHTS
" 15-16	CROSS SECTION SHEETS

STANDARD STRUCTURE SHEETS APPROVED
BY THE CHIEF ENGINEER
3-28 & 3-29 JULY 14, 1933
3-30 AUG. 13, 1933
3-31 JULY 25, 1934

(To Be Returned to R.O.W. Division)
Form of
PERMIT
TOWN FILE
RIGHT-OF-WAY 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

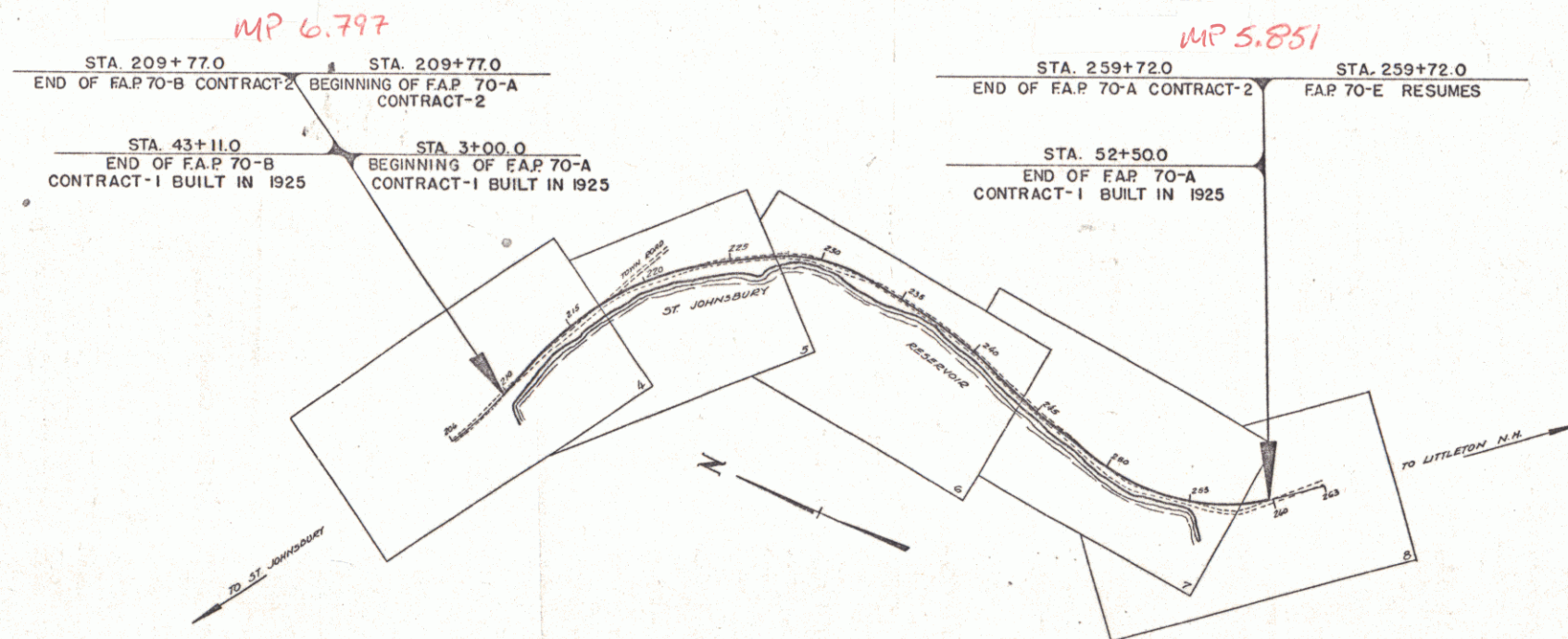
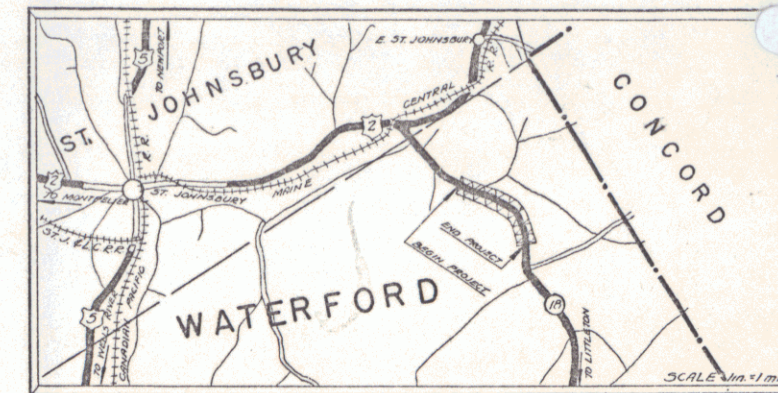
BEGINNING AT A POINT 0.830 MILES SOUTHEASTERLY OF THE ST. JOHNSBURY—

WATERFORD TOWN LINE AND EXTENDING SOUTHEASTERLY 0.947 MILES

LENGTH OF PROJECT 5000.3 FT. = 0.947 MILES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	70-A	1932	1	36

CONTRACT-2



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. = 300 FT.
TYPICAL	1 IN. = 2 FT.
PLAN	1 IN. = 50 FT.
PROFILE	1 IN. = 30 FT.
VERT	1 IN. = 10 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.

Project FAP 70A

Pin # 00R555

Route VT18

APPROVED: June 1, 1937
H. E. Sargent

COMMISSIONER OF HIGHWAYS

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

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

APPROVED: May 19, 1937
H. E. Sargent
DISTRICT HIGHWAY COMMISSIONER

APPROVED: June 1, 1937
H. E. Sargent
ROAD ENGINEER

SERIES FAP NO. 70-A
SHEET 1 OF 36

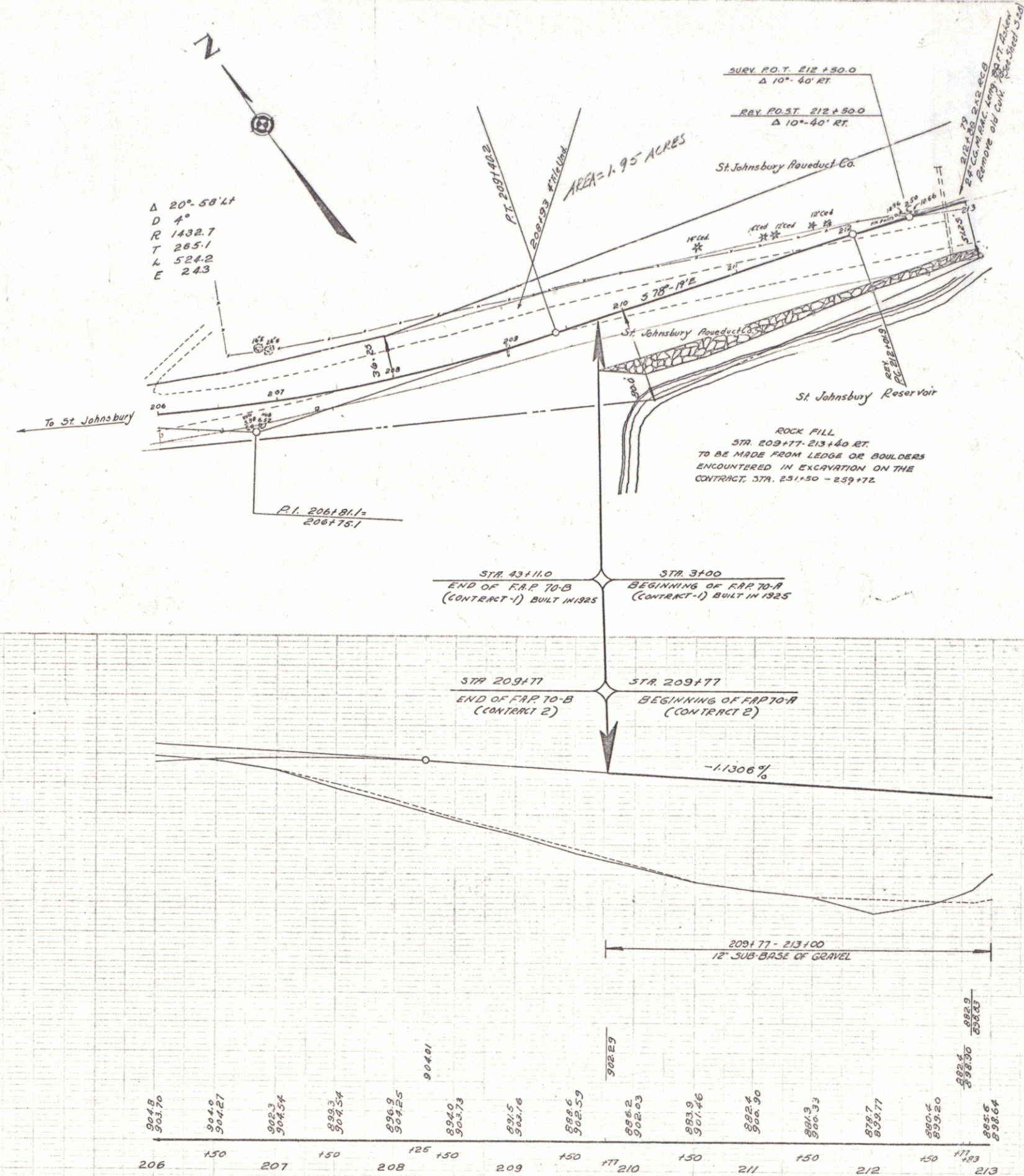
DIST. II 7 PLANS

1936
 B. B. B. B. B.
 1936

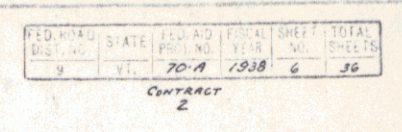
DIST.	STATE	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
70A	1938	4	36		

CONTRACT 2

NOTE: GUARD RAIL NOW IN PLACE ON THE PROJECT TO BECOME THE PROPERTY OF THE STATE.



SERIES F.R.P. NO 70A CONTRACT 2
SHEET 2 OF 36 SHEETS



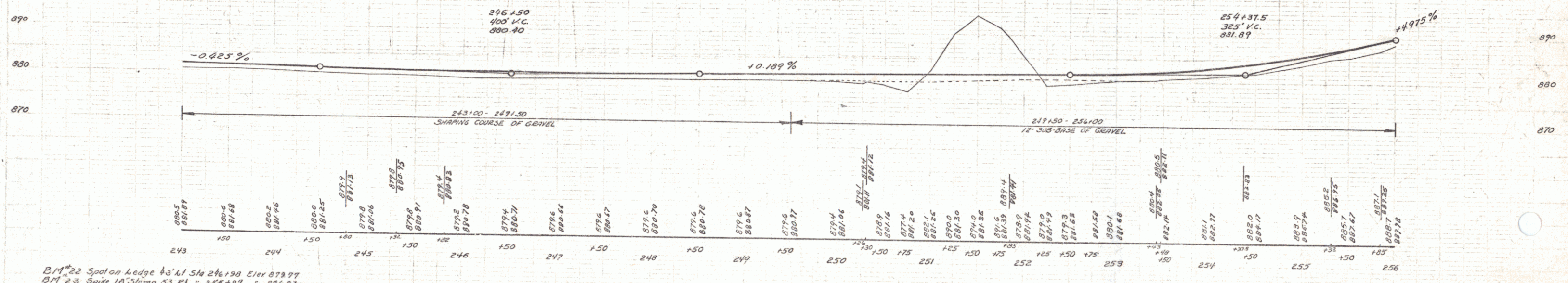
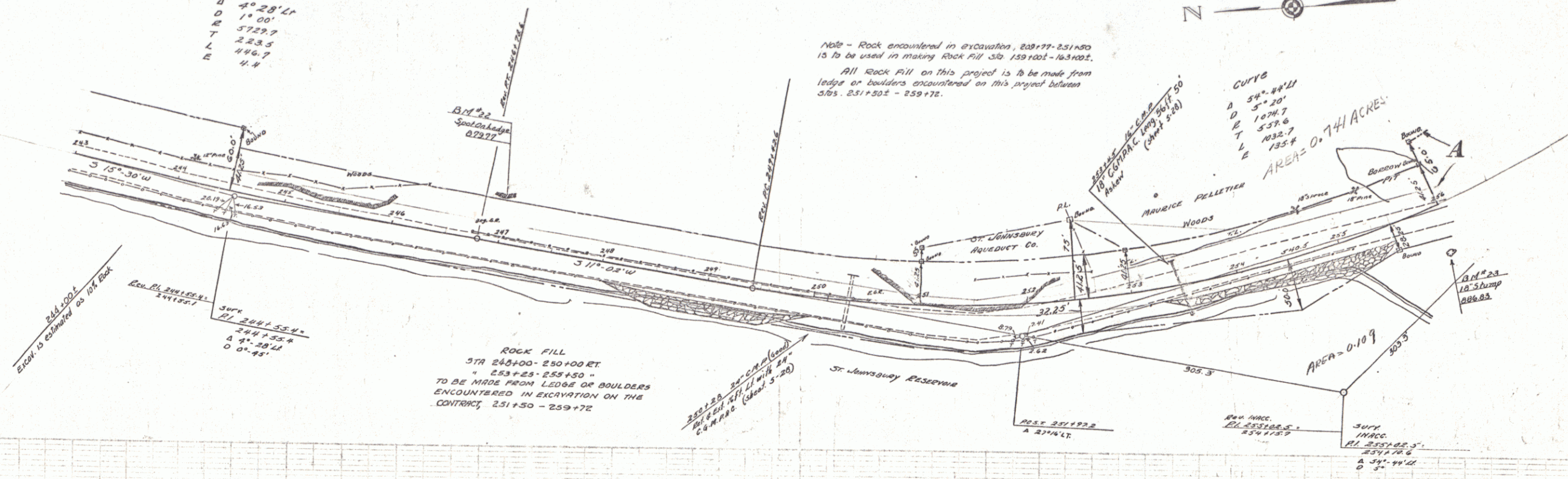
FED. ROAD DIST. NO.	STATE	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
VI	MA	1938	7	36

PARCEL INSTRUMENT DATE GRANTOR GRANTEE RECORDED
 A G.C.D. 7-14-37 MAURICE PELLETIER SIO VI 8005 164 12537

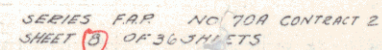
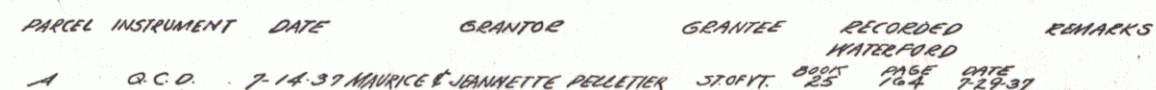
CURVE
 D 2° 28' 11"
 R 1° 00'
 T 5729.7
 L 223.5
 E 446.7
 A 4.4

Note - Rock encountered in excavation, 251+77-251+80 is to be used in making Rock Fill 350' 159+001-163+002.
 All Rock fill on this project is to be made from ledge or boulders encountered on this project between 565. 251+502 - 259+72.

CURVE
 D 34° 44' 11"
 R 3° 20'
 T 1074.7
 L 559.6
 E 1932.7
 A 0.74 ACRES



B.M. 22 Spool on Ledge to 41 Sta 246+90 Elev 879.97
 B.M. 23 Spike 10' Stamp 53 R1 - 255+87 - 886.83



INDEX OF SHEETS

SHEET NO.	TITLE PAGE
1	TYPICAL CROSS-SECTION OF IMPROVEMENT S-B
2	PLAN AND PROFILE STA. 3+00 TO 14+00
3	" " " " 14+00 " 27+00
4	" " " " 27+00 " 40+00
5	" " " " 40+00 " 52+50
6	" " " " 52+50 " 52+50
7-21	CROSS SECTIONS

DIST.	STATE	FED. AID PROJECT NO.	TOTAL SHEETS
5	Vt.	70A 1923	21

STATE OF VERMONT
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT

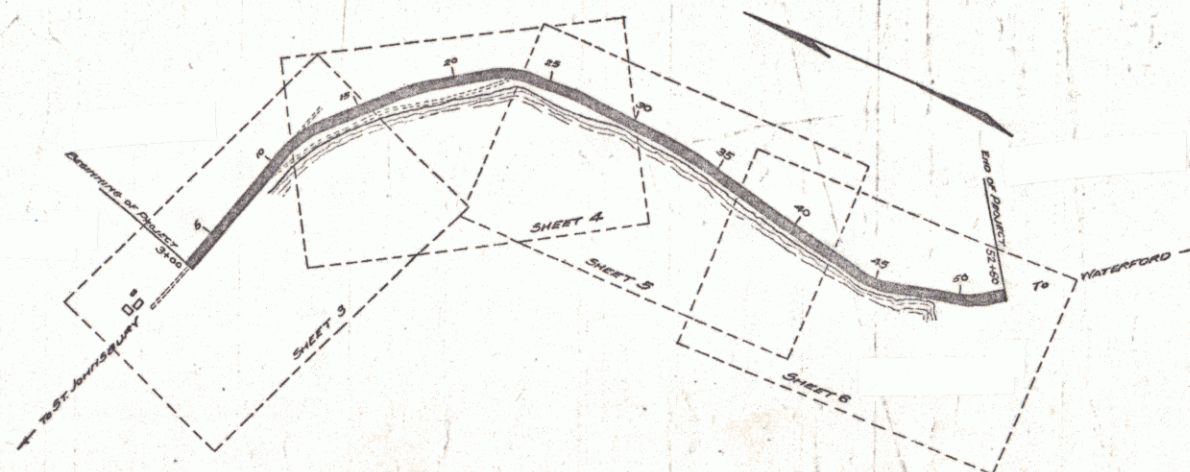
TOWN OF WATERFORD

STILES POND ROAD

FROM 300' EAST OF
THE ST. JOHNSBURY VILLAGE FARM HOUSE
EASTERLY 4975'



PLAN ONE INCH EQUALS FIFTY FEET
PROFILE HORIZONTAL 1 IN. = 50 FEET
PROFILE VERTICAL 1 IN. = 10 FEET
CROSS SECTIONS 1 IN. = 5 FEET



CONVENTIONAL SIGNS

COUNTY LINE
TOWN LINE
FENCE LINE
STONE WALL
UNFENCED PROPERTY
GUARD RAIL
TRAVELED WAY
RAILROAD
RETAINING WALL
CENTER LINE
SURVEY LINE
CULVERT
DROPPED 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.

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD
CHIEF ENGINEER
DEPARTMENT OF HIGHWAYS

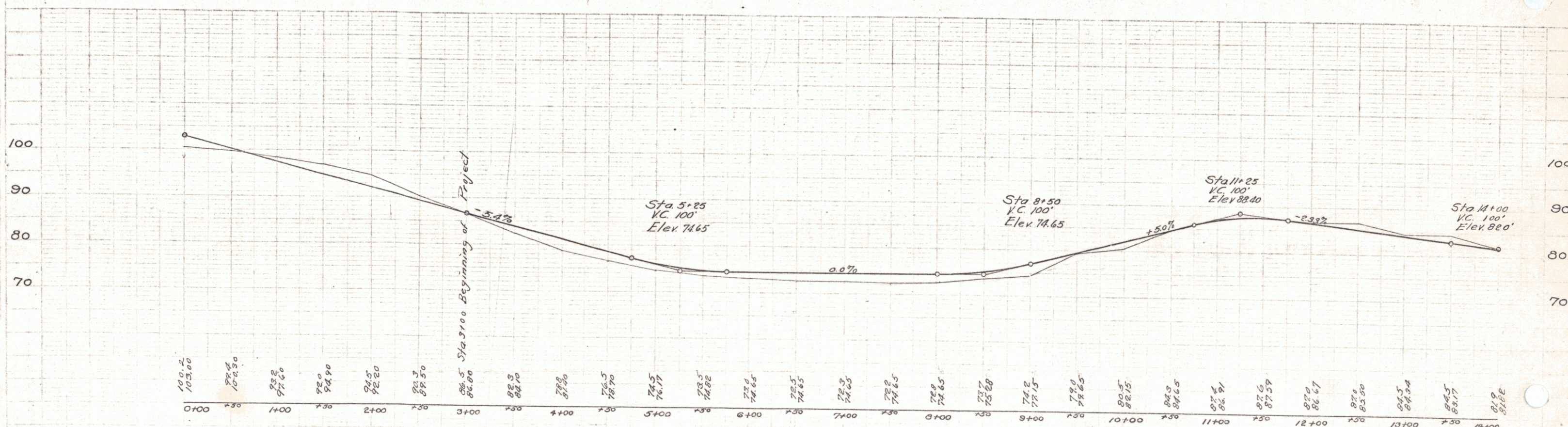
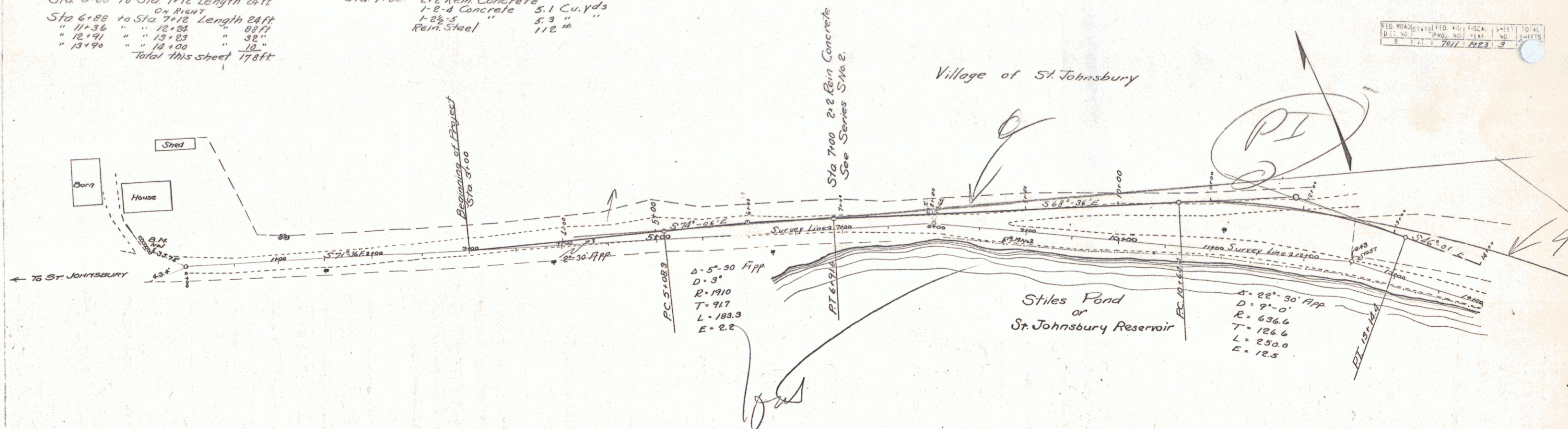
RECOMMENDED
DISTRICT ENGINEER
BUREAU OF PUBLIC ROADS
RECOMMENDED FOR APPROVAL
CHIEF ENGINEER
BUREAU OF PUBLIC ROADS
APPROVED
DIRECTOR - BUREAU OF PUBLIC ROADS

SERIES F No. 70A FILED
SHEET 1 OF 21

DIST. # 7 PLANS
7

NEW CULVERTS REQUIRED

Sta 7+00	2x2 Rein. Concrete	
	1-2-4 Concrete	5.1 Cu. Yds
	1-2 1/2-5 "	5.3 " "
	Rein. Steel	112 #



B.M. 1 Top Stone Cr. of Wall Front of St. J. Ag. Farm Elev. 102.74
 " 2 Spike in pole " 1035 Rt Sta. 8+75 " 74.48

Series F No. 70H Filed
Sheet (3) of 21

GUARD RAIL REQUIRED

ON LEFT			
Sta. 17+88 to Sta. 18+12	Length	24 ft.	
" 18+88 " " 19+12	"	24 "	
" 19+88 " " 20+12	"	24 "	
" 20+88 " " 21+12	"	24 "	
ON RIGHT			
Sta. 14+00 to Sta. 14+28	Length	28 ft.	
" 16+52 " " 16+84	"	32 "	
" 17+52 " " 18+84	"	132 "	
" 18+88 " " 19+12	"	24 "	
" 19+88 " " 20+12	"	24 "	
" 20+88 " " 21+12	"	24 "	
" 21+88 " " 22+12	"	24 "	
" 22+88 " " 23+12	"	24 "	
" 23+88 " " 24+12	"	24 "	
Total this sheet 364 ft			

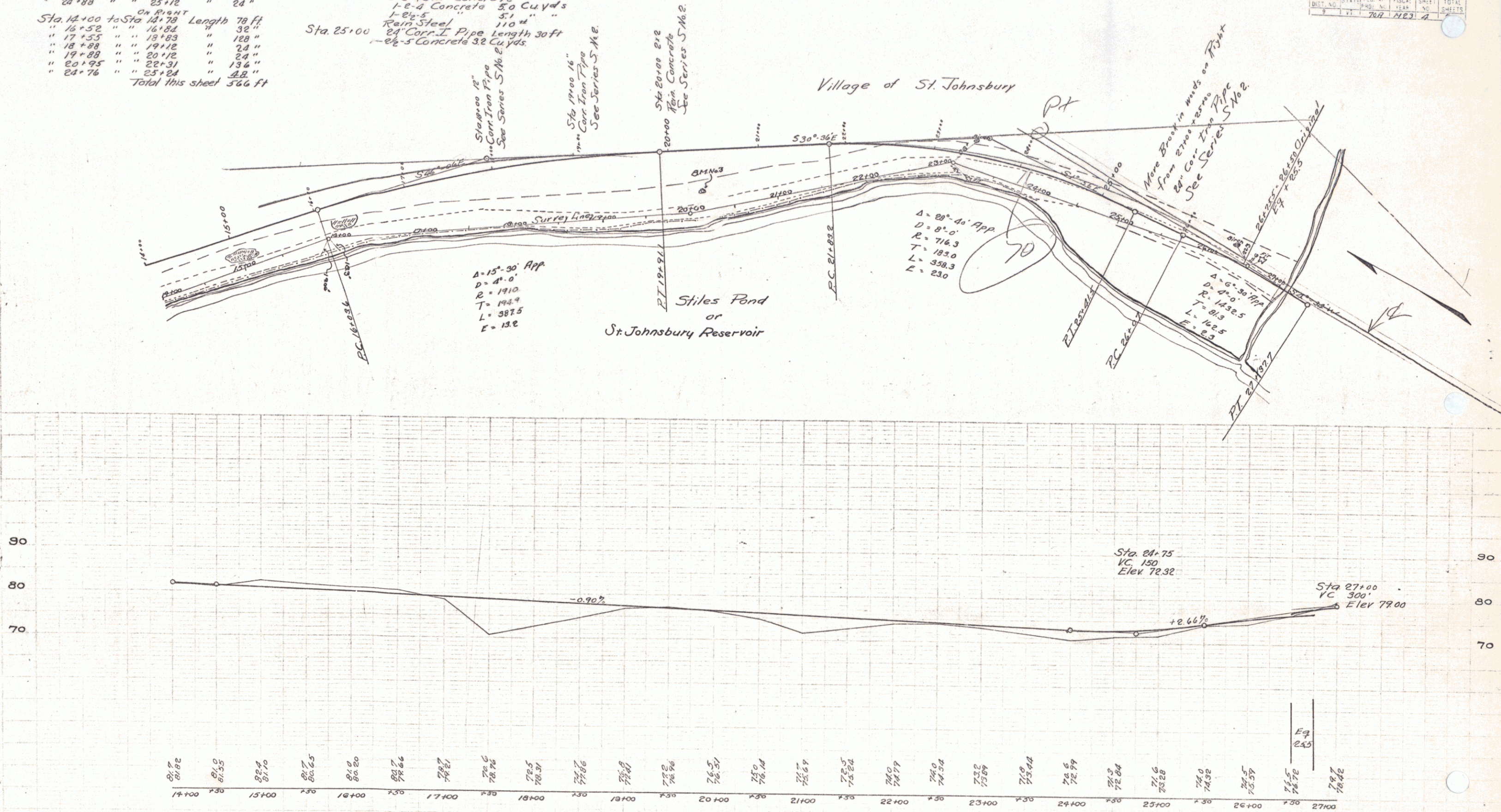
NEW CULVERTS REQUIRED

Sta. 19+00	16" Corc. I. Pipe Length 26'	
	1-2 1/2 Concrete 10 Cu yds.	
Sta. 20+00	24" Rein. Concrete 30 Cu yds.	
	1-2 1/2 Concrete 51 "	
	Rein. Steel 110 "	
Sta. 25+00	24" Corc. I. Pipe Length 30 ft	
	1-2 1/2 Concrete 32 Cu yds.	

RELAYING PIPE CULVERT
Sta. 18+00 12" Corc. I. Pipe Length 36 ft.
1-2 1/2 Concrete 15 Cu yds.

SUB-BASE REQUIRED
Sta. 26+50 to Sta. 27+00 Length 50 ft.

FEED ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
9	1	1	708	123	4



B.M. 3 Spike in Birch Left Sta. 20+50 Elev. 73.14

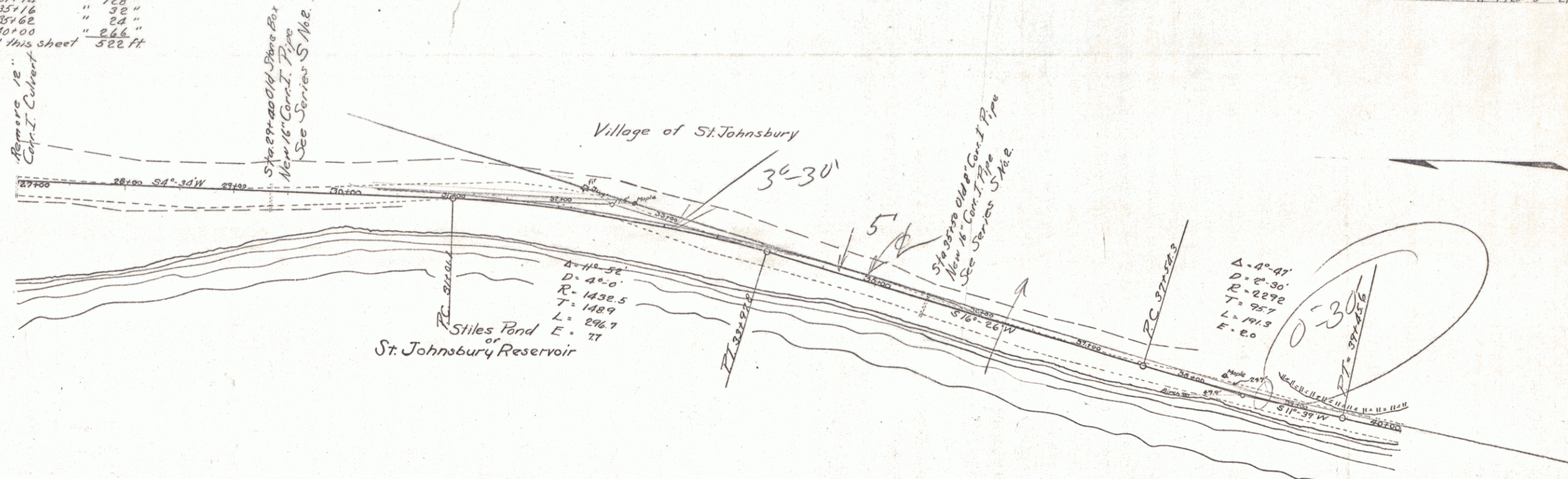
Series F No. 708 Filed
Sheet 25 of 21

GUARD RAIL REQUIRED
 ON LEFT
 Sta. 29+28 to Sta. 29+52 Length 24ft
 " 35+38 " " 35+62 " 24"
 ON RIGHT
 Sta. 29+28 to Sta. 29+52 Length 24ft
 " 35+38 " " 35+62 " 24"
 " 35+62 " " 35+86 " 24"
 " 37+34 " " 40+00 " 266"
 Total this sheet 522 ft

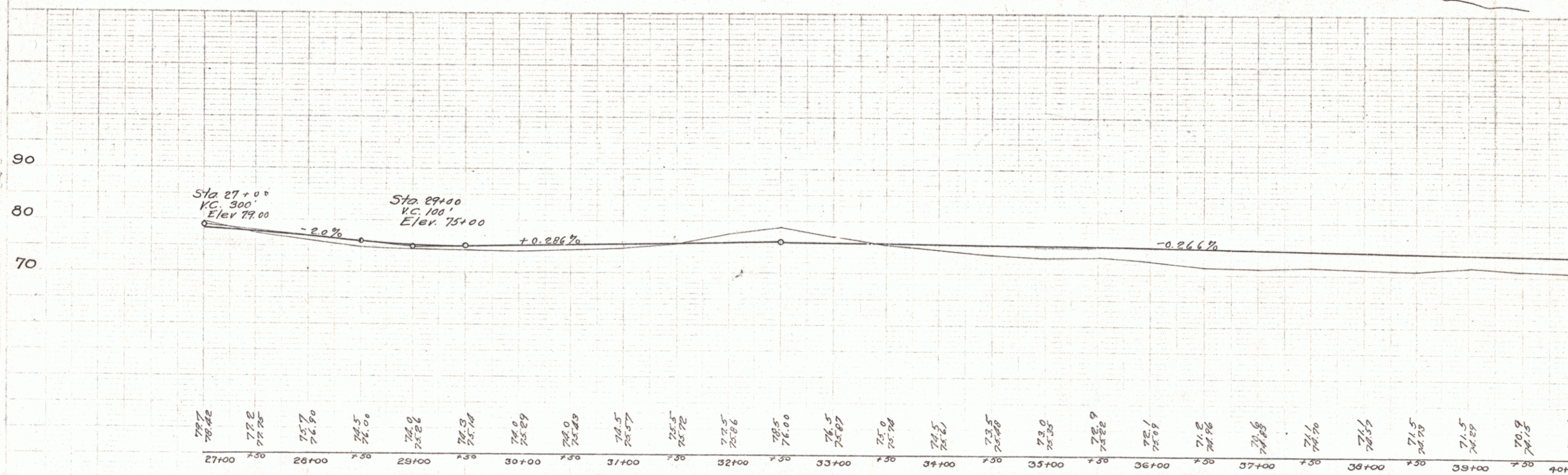
NEW CULVERTS REQUIRED
 Sta. 29+40 16" Corrt. Pipe Length 28ft
 1-2 1/2 Concrete 18 Cu yds.
 Sta. 35+50 16" Corrt. Pipe Length 28ft
 1-2 1/2 Concrete 18 Cu yds.

SUB-BASE REQUIRED
 Sta. 27+00 to Sta. 34+50 Length 750ft

FED. ROAD DIST. NO.	STATE	FED. AID FISCAL YEAR	SHEETS	TOTAL SHEETS
104	VT	1923	5	21



McBrideley 7000



Series F No. 76 H Filed
 Sheet 5 of 21

NEW CULVERTS REQUIRED
Sta. 44+00 24" Corr. I Pipe Length 36 ft
1 2 1/2 - 5 Concrete 3.2 Cu. yds.

