PROJ. NO.	FEDERAL AID PROJ. NO.	STATE	W.P.G.H. PROJ. NO.	FEDERAL FUND	SHEET NO.	TOTAL SHEETS
9		VT.	78J	336	1	19

INDEX OF SHEETS

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" " 2 TYPICAL CROSS-SECTION OF IMPROVEMENT ONE COURSE CEMENT CONCRETE PAVEMENT- ITEM 23
" " 3 BANKING AND WIDENING TABLES (S-33)
" " 4 PLAN AND PROFILE SHEET
" " 5 GENERAL LAYOUT SHEET & FALSEWORK DETAILS
" " 6 SUBSTRUCTURE DETAILS
" " 7 SUPERSTRUCTURE DETAILS
" " 8 STANDARD STRUCTURE SHEET S33; ONE COURSE CEMENT CONCRETE PAVEMENT
" " 9 " " " S811 ; BARRICADES, SIGNS & LIGHTS
" " 10-14 CROSS SECTION SHEETS
" " 15 TYPICAL STANDARD DETAILS FOR CENTRAL VERMONT RAILROAD STRUCTURES

STATE OF VERMONT

STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

U.S. WORKS PROGRAM GRADE HIGHWAY PROJECT (W.P.G.H. 78 J)

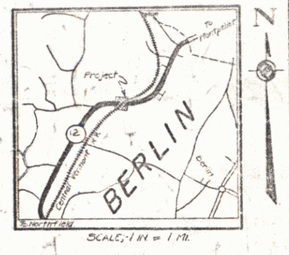
TOWN OF BERLIN

MONTPELIER-NORTHFIELD ROAD

UNDERPASS ON ROUTE 12

BEGINNING AT A POINT APPROXIMATLY 1.6 MILES SOUTH OF THE MONTPELIER-BERLIN TOWN LINE, AND EXTENDING WESTERLY 0.094 MILES.

LENGTH OF PROJECT 500.0 FT. = 0.094 MILES

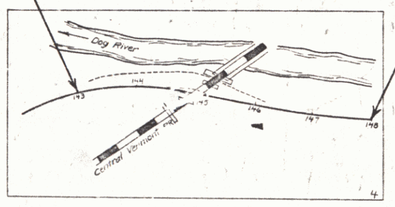


HIGHWAY-OF-WAY DIVISION
TOWN FILE
PERMANENT
Dec. 1 Town of
(To Be Returned To R.O.W. Division)

5

MP 4.966
STA. 143 + 00
BEGIN W.P.G.H 78 J

MP 4.871
STA. 148 + 00
END W.P.G.H. 78 J



RECORD PLANS
MARCH 30, 1937
R. F. J.

EXAMINED & APPROVED
Nov. 9, 1935
W. H. Garmer
Chief Engineer
Central Vermont Railway, Inc.

APPROVED: November 12, 1935
H. Dwight
COMMISSIONER OF HIGHWAYS

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

Pin # 00R001

Route VT12

RECOMMENDED
DISTRICT ENGINEER — BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL
CHIEF ENGINEER — BUREAU OF PUBLIC ROADS

APPROVED
DIRECTOR - BUREAU OF PUBLIC ROADS

CORRECT:
PROJ. ENGINEER

SERIES NO. 78J FILED
SHEET 1 OF 19

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

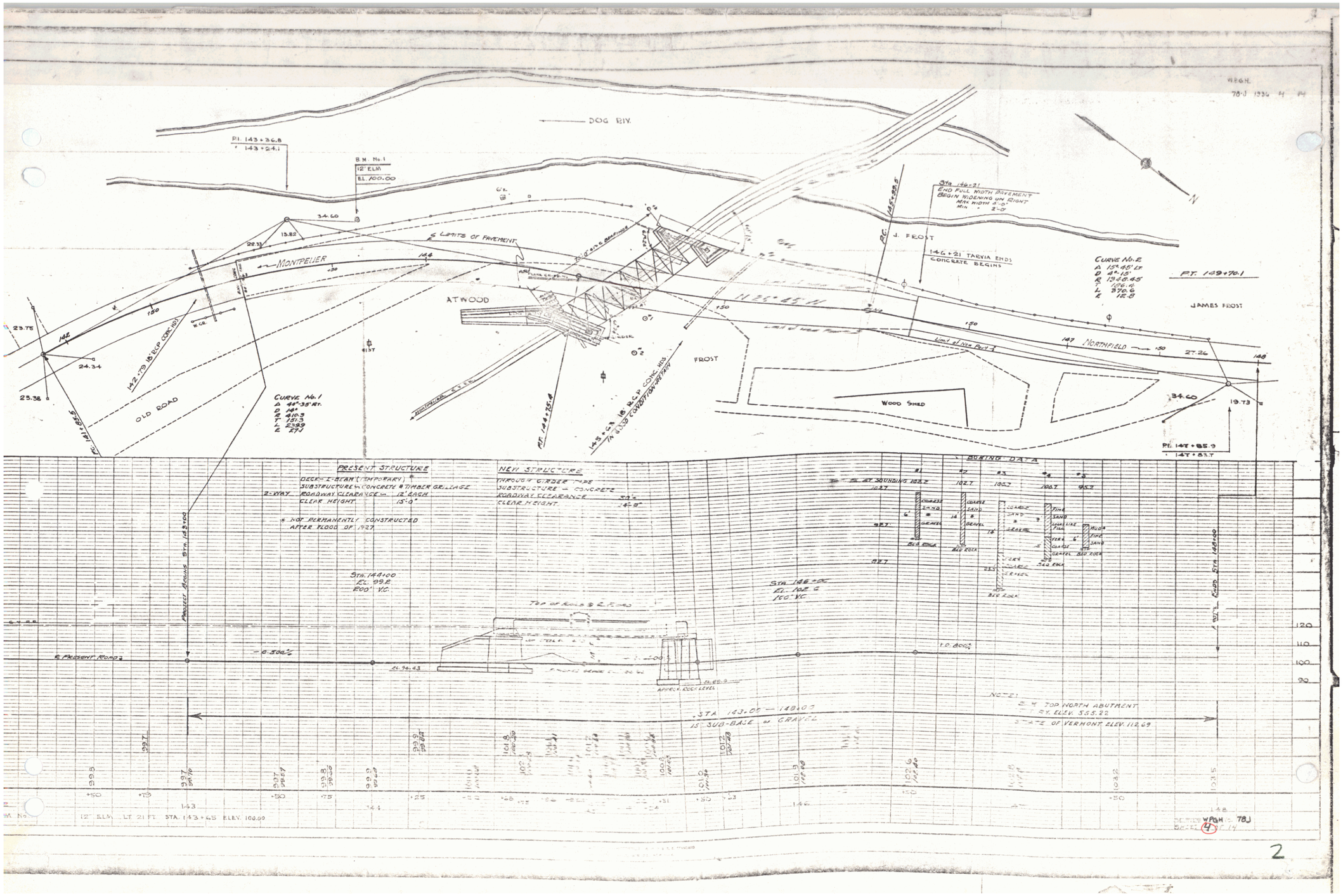
GROUND ELEVATION ..... DATUM ..... 1088.6 LINE
GRADE ELEVATION ..... DATUM ..... 1073.5 LINE

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" = 100'
TYPICAL		1" = 2'
PLAN		1" = 20'
PROFILE	HOR.	1" = 20'
	VER.	1" = 5'
CROSS SECTIONS		1" = 5'

These plans are subject to such revisions as may be required by the Bureau of Public Roads and the Commissioner of Highways.
Construction is to be carried on in accordance with the plans and Standard Road and Bridge Specifications of 1930 including all subsequent approved revisions, and such revised specifications and special provisions as are submitted with the plans


DOG RIV.
PI. 143+36.8
143+24.1
B.M. No. 1
12" ELM
EL. 100.00
34.60
22.33
13.82
℄ LIMITS OF PAVEMENT
MONTPELIER
ATWOOD
OLD ROAD
142+79 18" B.C.P. CONC. INS.
CURVE No. 1
Δ 48°-35' RT.
D 14°
R 410.3
T 181.3
L 2399
E 27.1
23.75
24.34
25.38
S 88°-18' W
FROST
J. FROST
P.C. 145+88.8
Sta. 146+21
END FULL WIDTH PAVEMENT
BEGIN WIDENING ON RIGHT
MAX WIDTH 8'-0"
MIN. 2'-0"
146+21 TANGIA ENDS
CONCRETE BEGINS
CURVE No. 2
Δ 15°-45' LT
D 4°-15'
R 1360.45
T 156.4
L 370.6
E 12.8
P.T. 149+70.1
JAMES FROST
N 25°-45' W
NORTHFIELD
27.26
WOOD SHED
34.60
19.73
PI. 147+85.9
147+83.7
P.C. 144+35.8
143+64 18" B.C.P. CONC. INS.
IN GOOD CONDITION-RE-RIV.
BORING DATA
PRESENT STRUCTURE
DECK-I-BEAM (TEMPORARY)
SUBSTRUCTURE-CONCRETE & TIMBER GRILLAGE
2-WAY ROADWAY CLEARANCE 12' EACH
CLEAR HEIGHT 15'-0"
* NOT PERMANENTLY CONSTRUCTED AFTER FLOOD OF 1927
NEW STRUCTURE
THROUGH GIRDER TYPE
SUBSTRUCTURE - CONCRETE
ROADWAY CLEARANCE 24'
CLEAR HEIGHT 14'-0"
STA. 144+00
EL. 99.8
200' V.C.
STA. 146+00
EL. 102.6
100' V.C.
TOP OF ROAD @ ℄ FORD
℄ PRESENT ROAD
EL. 94.43
APPROX. ROCK LEVEL
STA. 143.05 — 148.00
15" SUB-BASE or GRAVEL
NOTE:
℄ & TOP NORTH ABUTMENT
EL. ELEV. 105.22
STATE OF VERMONT ELEV. 112.69
PROJECT BASELINE STA. 143+00
℄ FLOOD STA. 143+00
12" ELM LT 21 FT. STA. 143+65 ELEV. 100.00
SECTION WRGH 78J
SHEET 4
2