

INDEX OF SHEETS

SHEET NO.	TITLE PAGE
1	TITLE PAGE
2	TYPICAL CROSS-SECTION OF IMPROVEMENT
3	BANKING AND WIDENING TABLES
4	PLAN AND PROFILE of intersection (on 50' scale)
5+6	Plan and Profile Sheets (on 20' scale)
7	Details of Abutment No. 1
8	Details of Abutment No. 2
9	Details of Pier No. 1
10	Details of Pier No. 2
11	Superstructure Details - Span No. 1
12	Standard Sheet 5.1 B - 24' Boundary Details
13	Standard Sheet 5.2 C; Guard Rail
14	Standard Sheet 5.2 D; Typical Details C, E, H, I, K, L, Gen. Notes
15	Standard Sheet 5.2 I; Barricades, Signs & Lights
16	Standard Sheet 5.28; Pipe Culverts
17	Standard Sheet 5.29; Box Culverts
18	Standard Sheet 5.30; Guard Rail
19	Standard Sheet 5.31; Boundary Markers
20	Standard Sheet 5.31; Boundary Markers
21-31	Cross-sections

2 1/2" Gravel Mixed-in-place Surface Course with Refined Tar. Items 25 & 30.

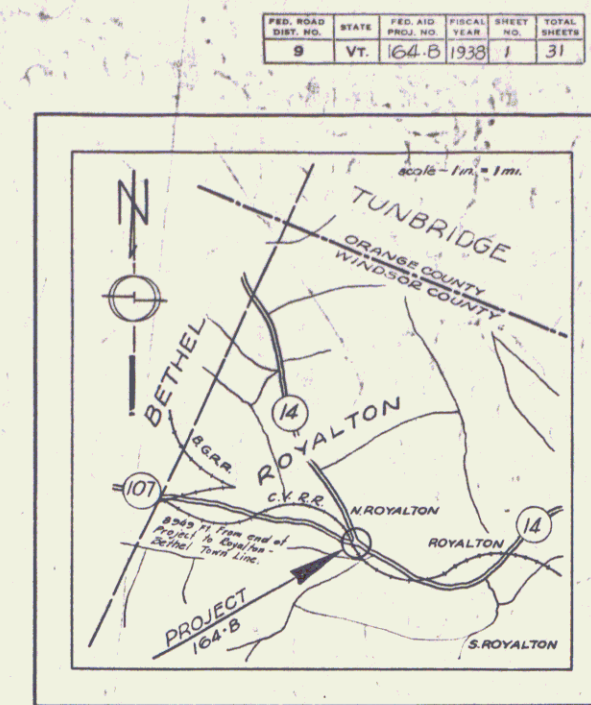
Standard Sheets 5.28 & 5.29 approved by the Chief Engineer on July 11 1933.
 Standard Sheet 5.30 approved by the Chief Engineer on Aug 15 1933.
 Standard Sheet 5.31 approved by the Chief Engineer on July 25 1934.

STATE OF VERMONT
STATE HIGHWAY DEPARTMENT
PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
 FEDERAL AID PROJECT

TOWN OF ROYALTON

ROYALTON - BETHEL ROAD

BEGINNING AT THE INTERSECTION OF
 ROUTE 107 WITH ROUTE 14, AND EXTENDING
 WESTERLY 771.0 FEET. LENGTH OF BRIDGE =
 148.0 FEET. LENGTH OF APPROACHES = 623.0 FT.
 TOTAL LENGTH OF PROJECT = 771.0 FT. = 0.146 MI.



CONVENTIONAL SIGNS

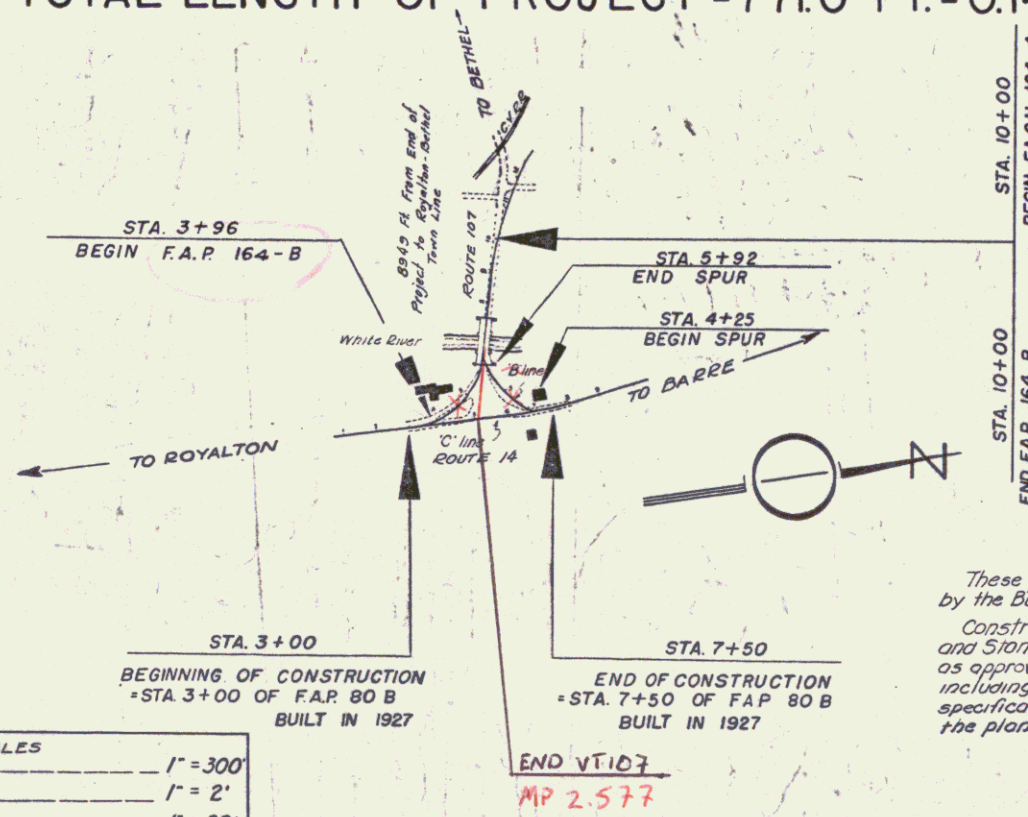
COUNTY LINE	GROUND ELEVATION
TOWN LINE	DATUM
FENCE LINE	GRADE ELEVATION
STONE WALL	DATUM
UNFENCED PROPERTY	LINE
GUARD RAIL	LINE
TRAVELED WAY	LINE
RAILROAD	LINE
RETAINING WALL	LINE
CENTER LINE	LINE
SURVEY LINE	LINE
CULVERT	LINE
DROPSHED	LINE
TROLLEY POLE	LINE
POWER POLE	LINE
TELEPHONE POLE	LINE
TREES	LINE
HEDGE	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" = 300'
Typical	1" = 2'
Plan	1" = 20'
Profile	Horizontal 1" = 20'
	Vertical 1" = 5'
Cross-sections	1" = 5'



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 1936, 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.

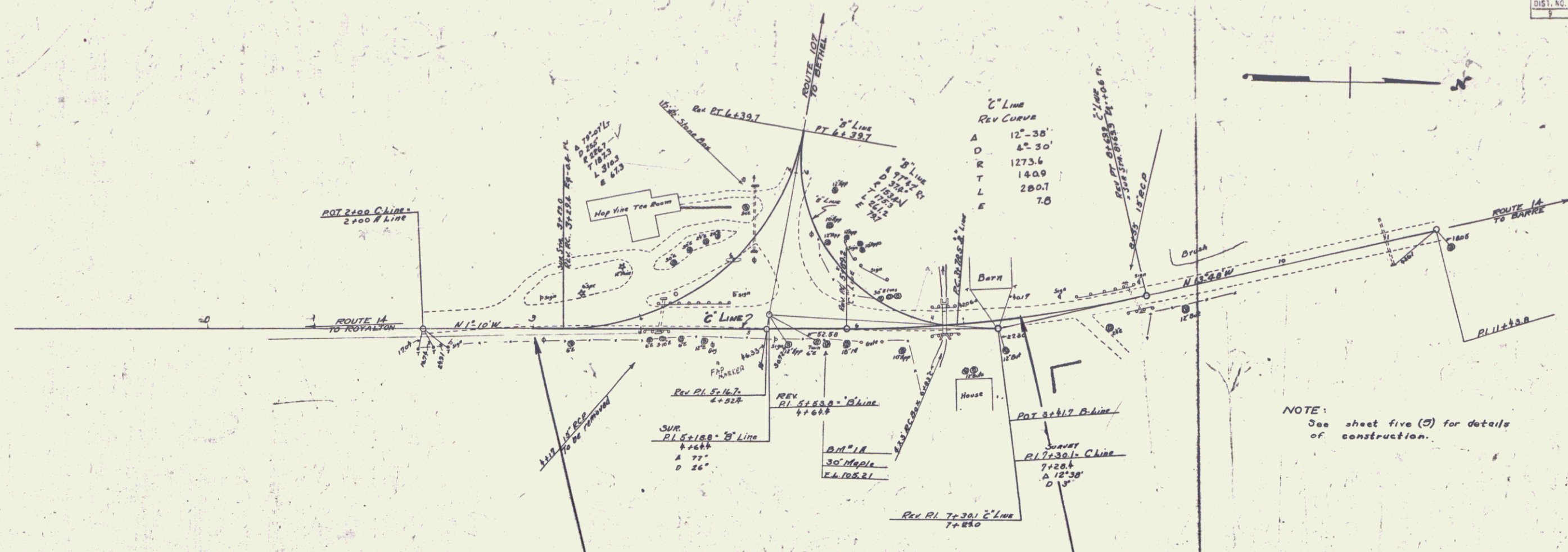
RIGHT-OF-WAY DIVISION
 TOWN FILE
 PERPETUAL
 Town of VT 107
 (To Be Returned To R.O.W. Division)

APPROVED: MAY 20 1937
H. E. Sargent
 COMMISSIONER OF HIGHWAYS
 SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD
 Pin # 00019
 Route VT 107
 Date 5/20/1937
 RECOMMENDED: _____
 DISTRICT ENGINEER BUREAU OF PUBLIC ROADS
 RECOMMENDED FOR APPROVAL: _____
 CHIEF ENGINEER BUREAU OF PUBLIC ROADS
 APPROVED: _____
 DIRECTOR - BUREAU OF PUBLIC ROADS

CORRECT 5/20/37 H. E. Sargent BRIDGE ENGINEER
 APPROVED 5-24-37 D. A. Mearns DISTRICT HIGHWAY COMMISSIONER
 CORRECT 5/20/37 H. E. Sargent ROAD ENGINEER
 SERIES FAP No 164-B FILED
 SHEET (1) OF 31

VT 107

PLAN
 1:100
 1937
 1937



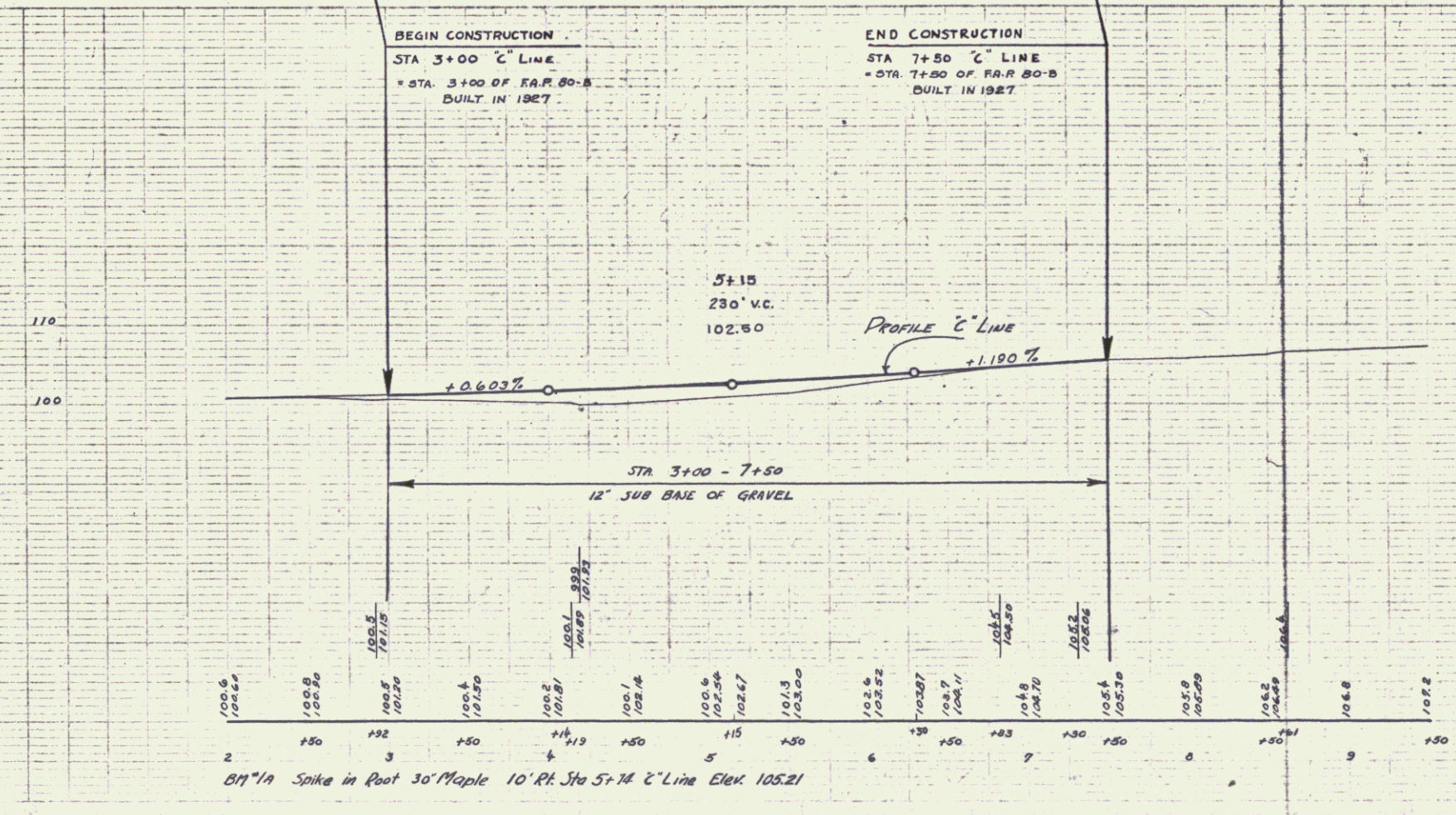
C' Line
 REV CURVE
 A 12°-30'
 D 42°-30'
 R 1273.4
 T 140.9
 L 280.7
 E 7.0

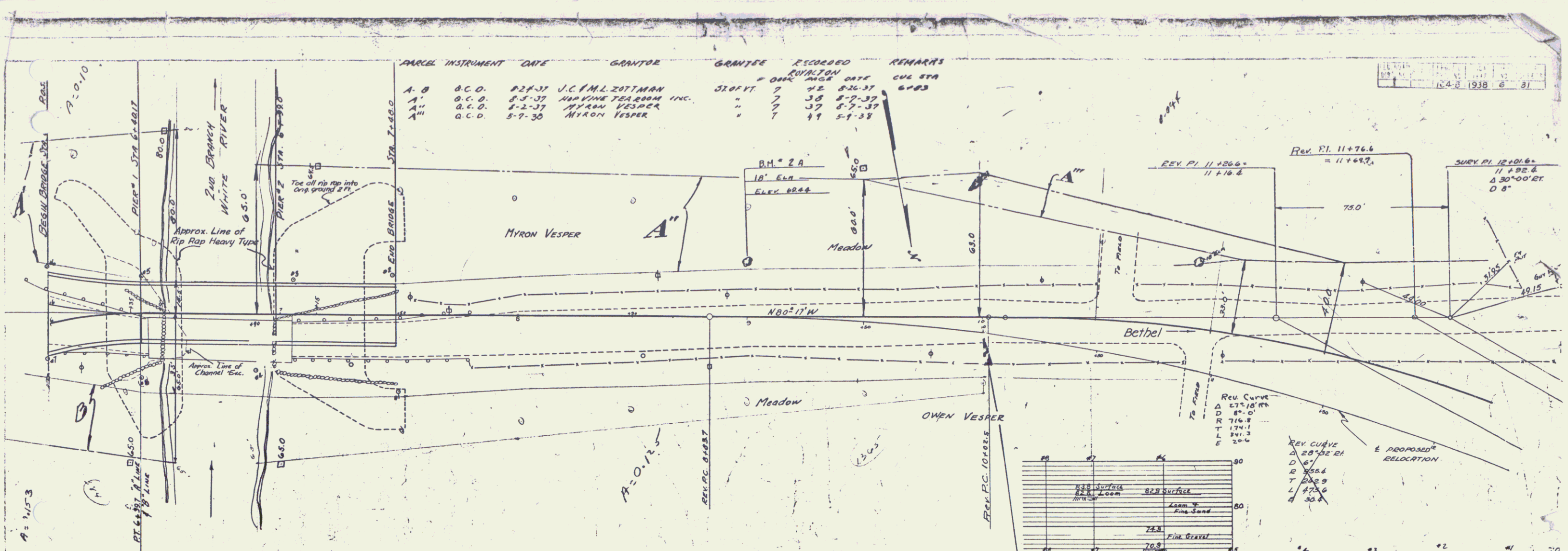
REV P.I. 5+16.7
 4+92.2
 SUR. P.I. 5+18.8
 5+14.7
 A 77°
 D 26°

POT 3+41.7 B' Line
 SURVEY
 P.I. 7+30.1 C' Line
 7+28.4
 A 12°-30'
 D 115'

REV P.I. 7+30.1 C' Line
 7+25.0

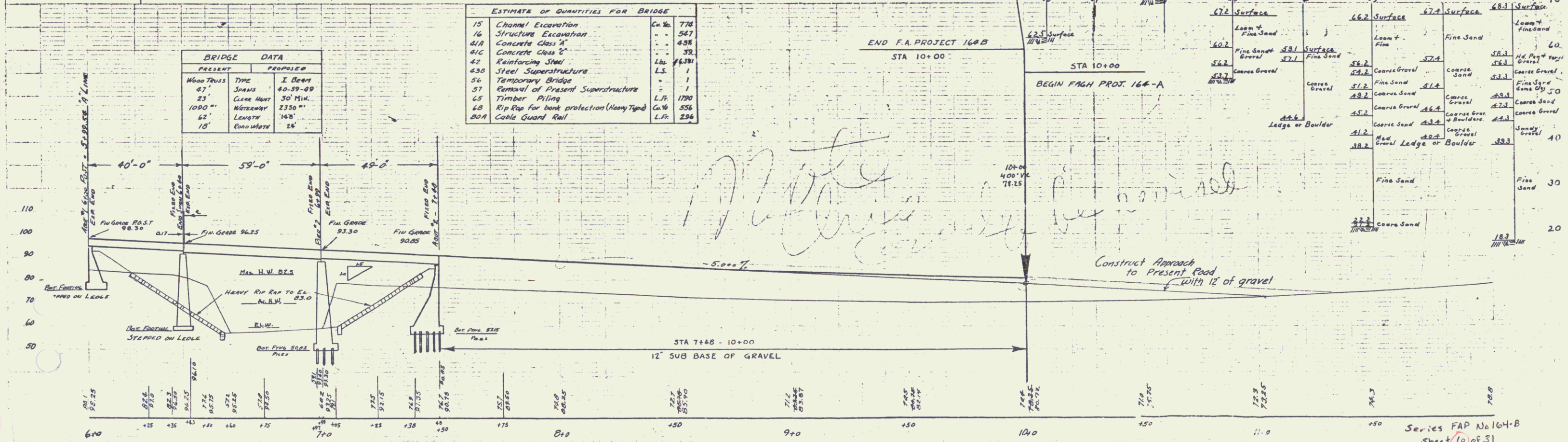
NOTE:
 See sheet five (5) for details
 of construction.





PARCEL INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED	REMARKS	
A-0	O.C.D. 8-2-37	J.C. M.L. ZOTTMAN	310 FT	7	8-26-37	6483
A-1	O.C.D. 8-5-37	MYRON VESPER INC.	"	7	8-7-37	"
A-11	O.C.D. 8-2-37	MYRON VESPER	"	7	8-7-37	"
	O.C.D. 5-7-30	MYRON VESPER	"	7	5-7-33	"

1:4.8 1938 8 31



ESTIMATE OF QUANTITIES FOR BRIDGE		
15	Channel Excavation	Cu. Yds. 778
16	Structure Excavation	" 547
41A	Concrete Class 1"	" 438
41C	Concrete Class 2"	" 32
42	Reinforcing Steel	Lbs. 16,381
43	Steel Superstructure	L.S. 1
56	Temporary Bridge	" 1
57	Removal of Present Superstructure	" 1
65	Timber Piling	L.F. 1700
68	Rip Rap for bank protection (Heavy Type)	Cu. Yds. 556
80A	Cable Guard Rail	L.F. 236

BRIDGE DATA		
Wood Truss	TYPE	I Beam
27'	Span	40'-59"-09"
23'	Clear Height	30' Min.
1000"	Highway	23.50'
62'	Length	145'
10'	Roadway	24'

Notes
 Note: Construct Approach to Present Road with 12' of gravel

B.M. 2A Spike in Root 18" Elm 22' Lt Sta 900 Elev. 62.44

Series FAP No. 164-B
 Sheet (6) of 31