INDEX OF SHEETS

SHEET	NO.	
"	"	2 TYPICAL CROSS-SECTION OF IMPROVEMENT
"	"	3 PLAN AND PROFILE STA 0+50 TO 4+00
"	"	4 S.T.B. 20-30' SPAN 15° SKEW WITH GRAVEL
"	"	5 S.B. 2 TYPICAL DETAILS
"	"	6 S.B. 3 SKEW ENDS
"	"	7 S.B. 5 GABLE RAIL
"	"	8 S.A.R. 14' HEIGHT T BEAM 15° SKEW
"	"	9 S.A.R. 14' HEIGHT T BEAM SQUARE
"	"	10-11 CROSS SECTIONS
"	"	12 S19 STANDARD STRUCTURES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.	F.R. 19A	1928	1	10

STATE OF VERMONT

STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FEDERAL AID PROJECT

TOPSHAM

WAITS RIVER BRIDGE OVER WAITS RIVER

LOCATED IN WEST TOPSHAM VILLAGE

LENGTH 350 FEET= 0.066 MILES

SCALE 1" = 4 MILES

LAYOUT
SEE SHEET 3

SCALES
PLAN 1" = 20 FT.
PROFILE { VERT. 1" = 20 FT. / HORIZ. 1" = 20 FT.
SECTIONS 1" = 5 FT.

This project to be constructed in accordance with Standard Specifications on file with the U.S. Bureau of Public Roads Approved 7/1/26.

Structures on this project to be constructed in accordance with details given on Standard Structure Sheets, Series Nos. S17-18-19

RIGHT-OF-WAY DIVISION
TOWN FILE
PERPETUAL
Date of Ut 25
(To Be Returned To R.O.W. Division)
MP 5.128 - 5.061
Br 20

DISTRICT No. 7
BRIDGE No. 21
TOPSHAM

APPROVED: June 30 1928
H.E. Sargent
CHIEF ENGINEER

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD
S.B. Baker
COMMISSIONER OF HIGHWAYS

Proj # : FR19A
Pin # : 0R312

RECOMMENDED
DISTRICT ENGINEER BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL
CHIEF ENGINEER BUREAU OF PUBLIC ROADS

APPROVED
DIRECTOR - BUREAU OF PUBLIC ROADS

SERIES F, F No. 19 A FILED
SHEET 1 OF 10

CONVENTIONAL SIGNS

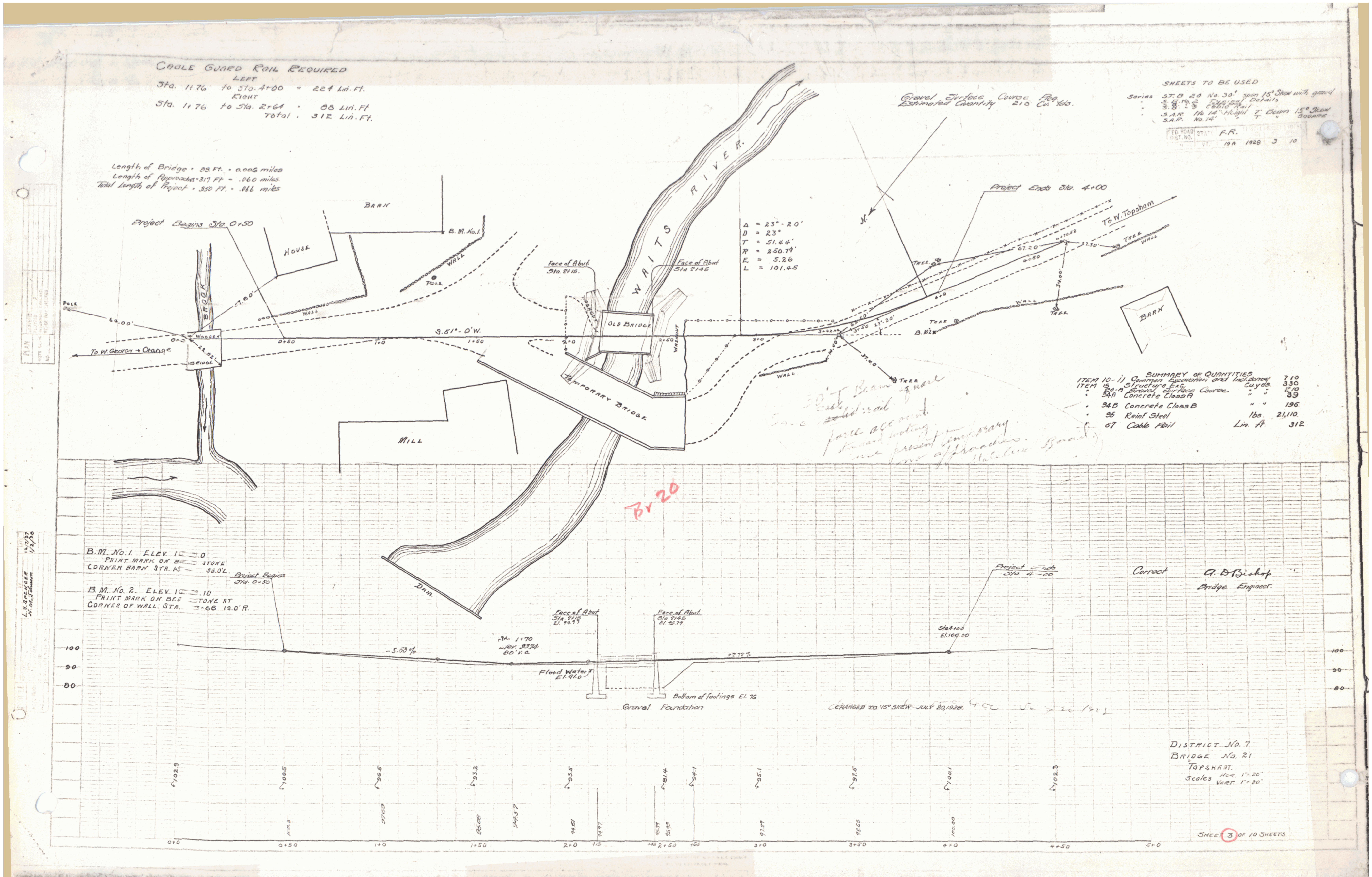
COUNTY LINE
TOWN LINE
FENCE LINE
STONE WALL
UNFENCED PROPERTY
GUARD RAIL
TRAVELED WAY
RAILROAD
RETAINING WALL
CENTER LINE 50 PC 30+59
SURVEY LINE
CULVERT
DROP INLET
TROLLEY POLE
POWER POLE
TELEPHONE POLE
TREES
HEDGE

GROUND ELEVATION ..... DATUM ..... 1248.8 LINE
GRADE ELEVATION ..... DATUM ..... FG 1248.8 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.

DIST. # 7 PLANS


CABLE GUARD RAIL REQUIRED
LEFT
Sta. 1+76 to Sta. 4+00 = 224 Lin. Ft.
RIGHT
Sta. 1+76 to Sta. 2+64 = 88 Lin. Ft
Total = 312 Lin. Ft.
Length of Bridge = 33 Ft. = 0.006 miles
Length of Approaches = 317 Ft = .060 miles
Total Length of Project = 350 Ft. = .066 miles
Project Begins Sta. 0+50
BARN
HOUSE
B. M. No. 1
WALL
POLE
BROOK
To W. Georgia + Orange
S. 51° - 0' W.
MILL
TEMPORARY BRIDGE
OLD BRIDGE
WAITS RIVER
Face of Abut Sta. 2+15
Face of Abut Sta. 2+46
DAM
Δ = 23° - 20'
D = 23°
T = 51.64'
R = 250.79'
E = 5.26
L = 101.45
Gravel Surface Course Req. Estimated Quantity 210 Cu. Yds.
Project Ends Sta. 4+00
To W. Topsham
TREE
BARN
SHEETS TO BE USED
Series S.T.B 20 No. 30' span 15° Skew with gravel
S.B. No. 2 Typical Details
S.B. 3 Cable Rail
S.A.R. No. 14" Height T Beam 15° Skew
S.A.R. No. 14' " T " SQUARE
FED. ROAD DIST. NO. 1 | STATE VT. | F.R. 19A | 1928 | 3 | 10
SUMMARY OF QUANTITIES
ITEM 10-11 Common Excavation and Incl. borrow 710
ITEM 15 Structure Exc. Cu. yds. 330
" 20-A Gravel Surface Course " " 210
" 34A Concrete Class A " " 39
" 34B Concrete Class B " " 196
" 35 Reinf Steel lbs. 21,110
" 67 Cable Rail Lin. ft. 312
Br 20
B.M. No. 1 ELEV. 1 .0
PRINT MARK ON B STONE
CORNER BARN STA. 1 56.0' L.
B.M. No. 2. ELEV. 1 .10
PRINT MARK ON BE STONE AT
CORNER OF WALL. STA. 3+88 19.0' R.
Project Begins Sta. 0+50
Project Ends Sta. 4+00
Face of Abut
Face of Abut
-5.63%
Flood Water El. 91.0
Bottom of footings El. 76
Gravel Foundation
CHANGED TO 15° SKEW JULY 28, 1928.
Correct A. D. Bishop
Bridge Engineer.
DISTRICT NO. 7
BRIDGE NO. 21
TOPSHAM.
Scales Hor. 1" = 20'
Vert. 1" = 20'
SHEET 3 OF 10 SHEETS
100
90
80
0+0
0+50
1+0
1+50
2+0
2+50
3+0
3+50
4+0
4+50
5+0

2