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STANDARD STRUCTURE SHEETS APPROVED BY THE CHIEF
ENGINEER, VERMONT STATE DEPARTMENT OF HIGHWAYS

S-40 MAY 13, 1946
S-48-46 DEC. 18, 1945

STATE OF VERMONT STATE HIGHWAY DEPARTMENT

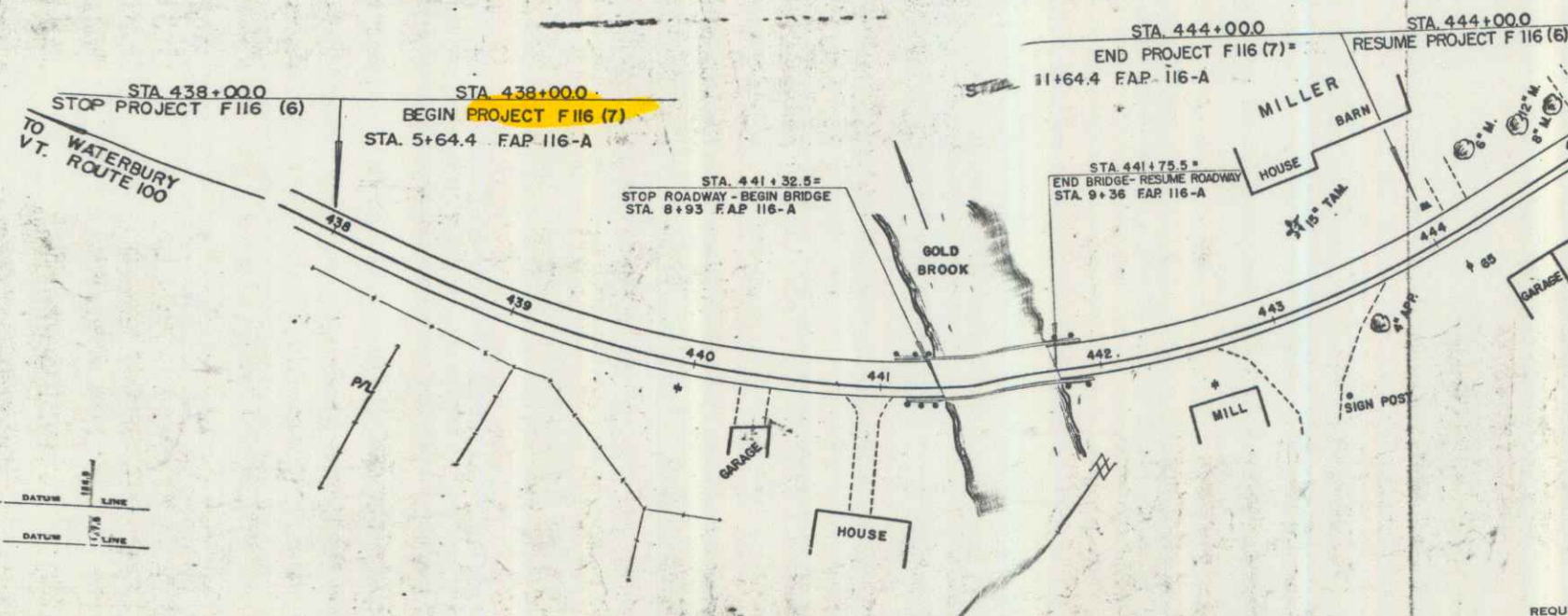
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FEDERAL PROJECT

TOWN OF STOWE GOLD BROOK BRIDGE VERMONT ROUTE 100

BRIDGE OVER GOLD BROOK, 7,707.6 FEET NORTHERLY OF THE WATERBURY-STOWE TOWN LINE.

LENGTH OF BRIDGE - 43.0 FT. = 0.008 MILE
LENGTH OF ROADWAY - 557.0 FT. = 0.106 MILE
LENGTH OF PROJECT - 600.0 FT. = 0.114 MILE



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" = 50'
TYPICAL 1" = 2'
PLAN 1" = 50'
PROFILE HORIZONTAL 1" = 50'
PROFILE VERTICAL 1" = 10'
CROSS SECTIONS 1" = 5'

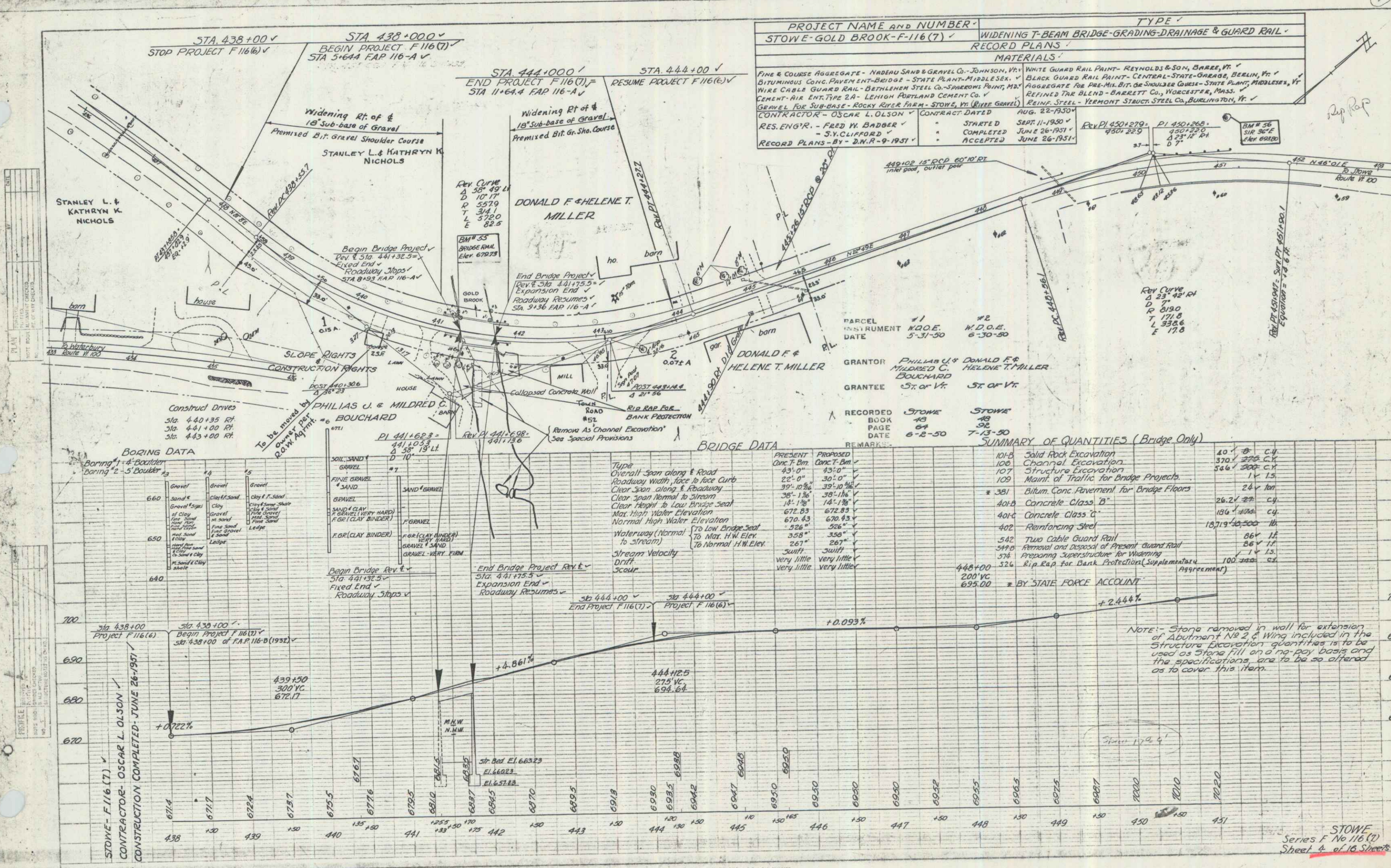
THESE PLANS ARE SUBJECT TO SUCH REVISIONS AS MAY BE REQUIRED BY THE BUREAU OF PUBLIC ROADS OR THE COMMISSIONER OF HIGHWAYS.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THE PLANS AND THE STANDARD ROAD AND BRIDGE SPECIFICATIONS OF 1948, AS APPROVED JULY 25, 1949, BY THE BOARD OF PUBLIC ROADS, INCLUDING ALL SUBSEQUENT APPROVED REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIFICATIONS AS ARE SUBMITTED WITH THE PLANS.

APPROVED *[Signature]* OCT 5 1949
BRIDGE ENGINEER
APPROVED *[Signature]* OCT 5 1949
HIGHWAY ENGINEER
APPROVED *[Signature]* OCT 5 1949
DISTRICT HIGHWAY COMMISSIONER

Pin: 012290
Date: 10/05/19

PROJECT: Stowe - Gold Brook
F-116(7)
CONC. T-Box Milling
CONTRACTOR: Oscar L. Olson
LOCATION: Rte 100

Stowe 1949



PROJECT NAME AND NUMBER		TYPE
STOWE-GOLD BROOK-F-116(7)		WIDENING T-BEAM BRIDGE-GRADING-DRAINAGE & GUARD RAIL
RECORD PLANS		MATERIALS
FINE & COARSE AGGREGATE - NABEND SAND & GRAVEL CO., JOHNSON, VT.		WHITE GUARD RAIL PAINT - REYNOLDS & SON, BARRIE, VT.
BITUMINOUS CONC. PAVEMENT-BRIDGE - STATE PLANT-MIDDLESEX, VT.		BLACK GUARD RAIL PAINT - CENTRAL-STATE-GRANGE, BERLIN, VT.
WIRE CABLE GUARD RAIL - BETHLEHEM STEEL CO.-SHEPARD'S POINT, MD.		AGGREGATE FOR PRE-MIX. BIT. OR SHOULDER COURSE - STATE PLANT, MIDDLESEX, VT.
CEMENT-AIR ENT. TYPE 2-A - LEHIGH PORTLAND CEMENT CO., VT.		REFINED TIE BLEND - BARRETT CO., WORCESTER, MASS.
GRAVEL FOR SUB-BASE - ROCKY RIVER FARM - STOWE, VT. (RIVER GRAVEL)		REINFORCING STEEL - VERMONT STRUCT. STEEL CO., BURLINGTON, VT.
CONTRACTOR - OSCAR L. OLSON		CONTRACT DATED AUG. 22, 1950
RES. ENG'R. - FRED W. BADGER		STARTED SEPT. 11, 1950
- S.Y. CLIFFORD		COMPLETED JUNE 26, 1951
RECORD PLANS BY - S.M.R. 9-1951		ACCEPTED JUNE 26, 1951

BRIDGE DATA		SUMMARY OF QUANTITIES (Bridge Only)	
Type	PRESENT	PROPOSED	REMARKS
Overall Span along E Road	43'-0"	43'-0"	
Roadway Width, face to face curb	22'-0"	30'-0"	
Clear span along E Roadway	39'-10 1/2"	39'-10 1/2"	
Clear span Normal to stream	38'-1 3/8"	38'-1 3/8"	
Clear Height to Low Bridge Seat	14'-1 3/8"	14'-1 3/8"	
Max. High Water Elevation	672.83	672.83	
Normal High Water Elevation	670.43	670.43	
Waterway (Normal to stream)	528"	528"	
Stream Velocity	3.58'	3.58'	
Drift	Very little	Very little	
Scour	Very little	Very little	

101-5	Solid Rock Excavation	40.1	C.Y.
100	Channel Excavation	370.1	C.Y.
107	Structure Excavation	346.1	C.Y.
109	Maint. of Traffic for Bridge Projects	1.1	1.5
381	Bitum. Conc. Pavement for Bridge Floors	24	ton
401a	Concrete Class B	26.24	C.Y.
401c	Concrete Class C	136.1	C.Y.
402	Reinforcing Steel	13,719	lb.
542	Two Cable Guard Rail	86	12
542	Removal and Disposal of Present Guard Rail	86	12
576	Preparing Superstructure for Widening	1	1.5
526	Rip Rap for Bank Protection (Supplemental Agreement)	100	ton

STOWE
Series F No 116(7)
Sheet 4 of 16 Sheets