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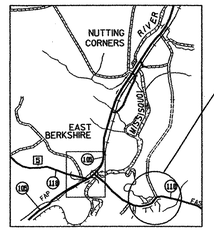
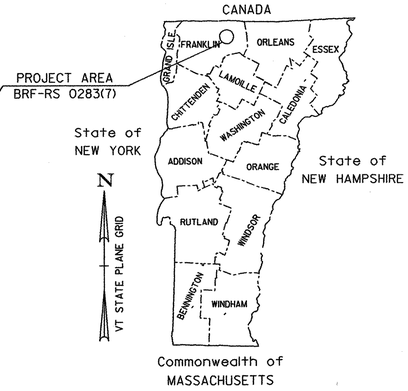
STATE OF VERMONT
AGENCY OF TRANSPORTATION





DESIGN CRITERIA

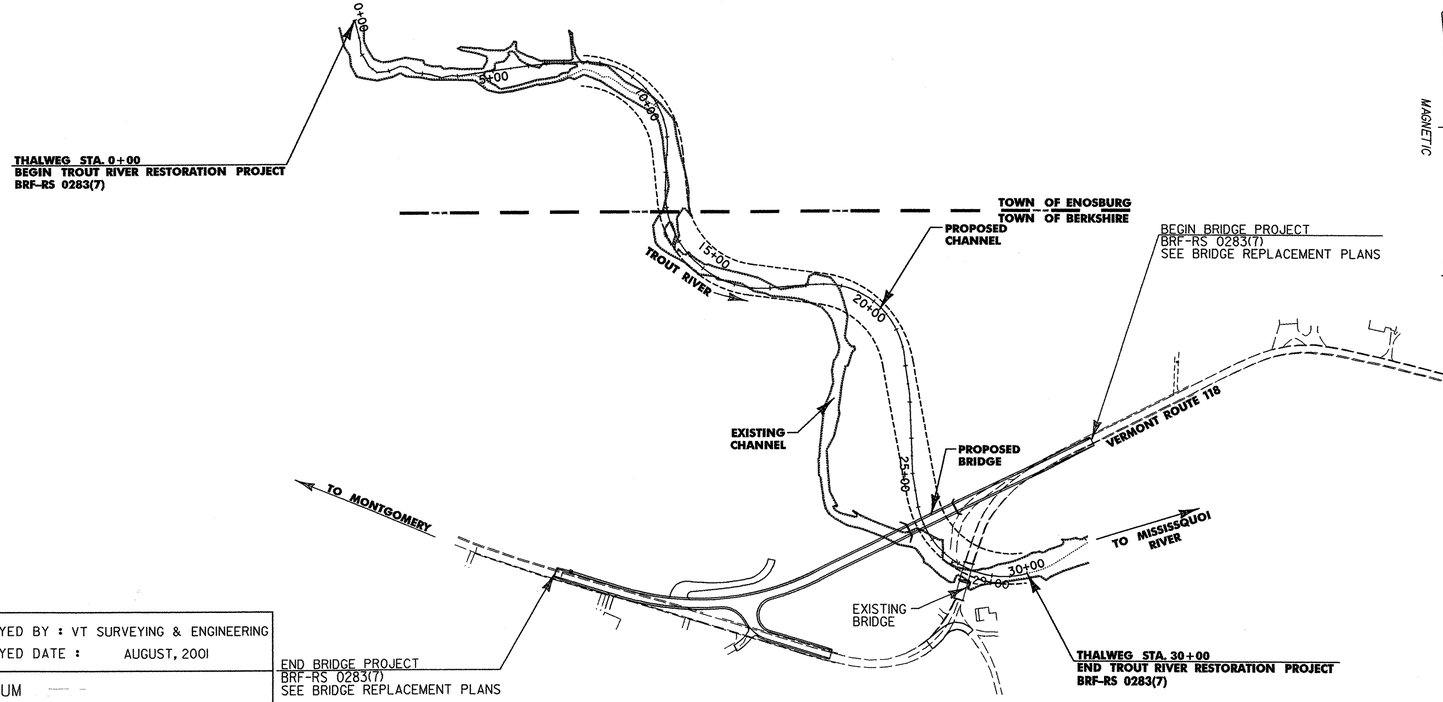
DRAINAGE AREA =	82 sq. mi.
BANKFULL WIDTH, W_{bkf} =	85 ft.
MEAN DEPTH, d_{bkf} =	3.7 ft.
WETTED PERIMETER, W_p =	92 ft.
HYDRAULIC RADIUS, R =	3.42 ft.
CROSS SECTIONAL AREA, A_{bkf} =	315 sf
WIDTH FLOOD PRONE AREA, W_{fpa} =	190 ft. (min.)
BANKFULL FLOW, Q_{bkf} =	2000 cfs.
MEAN SLOPE, S =	0.2%
D_{50} BED PARTICLE SIZE =	0.94 in.
D_{84} BED PARTICLE SIZE =	1.85 in.
D_{90} BED PARTICLE SIZE =	2.20 in.

PROPOSED IMPROVEMENT
TOWNS OF BERKSHIRE AND ENOSBURG
COUNTY OF FRANKLIN
TROUT RIVER RESTORATION

BEGINNING AT A POINT APPROXIMATELY 2825 FEET UPSTREAM OF EXISTING BRIDGE #26 AND EXTENDING DOWNSTREAM 3000 FEET.

WORK TO BE PERFORMED UNDER THE RIVER RESTORATION PORTION OF THIS PROJECT INCLUDES STABILIZATION OF THE TROUT RIVER AND ESTABLISHMENT OF A RIPARIAN BUFFER ZONE. WORK TO BE PERFORMED UNDER THE BRIDGE REPLACEMENT PORTION OF THIS PROJECT IS OUTLINED IN THE BRIDGE REPLACEMENT PLANS.

LENGTH OF RIVER RESTORATION PROJECT: 3000 FEET.



CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARD RAIL
RAILROAD
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE
TREES
HVCTRL
CONTROL OF ACCESS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS (SR SR SR)
TOP OF CUT
TOE OF SLOPE
WETLANDS
EDGE OF VEGETATION

SURVEYED BY : VT SURVEYING & ENGINEERING
SURVEYED DATE : AUGUST, 2001

DATUM
VERTICAL NAVD 88
HORIZONTAL N/A

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROJECT DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2001, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

STATE OF VERMONT — SCOTT A. ROGERS No. 7408 — 4/9/03 — PROFESSIONAL ENGINEER

Dufresne-Henry

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATOR
APPROVED _____ DATE _____

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED _____ DATE _____

PROJECT MANAGER : JOHN LEPORE

PROJECT NAME : TROUT RIVER RESTORATION
PROJECT NUMBER : BRF-RS 0283 (7)

SHEET 100 OF 140 SHEETS

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