



Vermont Department of Environmental Conservation

Agency of Natural Resources

Watershed Management Division
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AUTHORIZATION TO CONDUCT NEXT FLOOD MEASURES

Pursuant to Section F of the Vermont Stream Alteration General Permit

Project Number: SA-3- 122 -2015

Applicant Name: TOWN OF RYEGATE Phone: (802) 584-3880

Mailing Address: PO BOX 332 RYEGATE, VT. 05042

Project Location: CHURCH STREET - RETAINING WALL

Email: ryegateclerk@yahoo.com

The Secretary of the Vermont Agency of Natural Resources (VT ANR) has determined that:

1. This project authorizes the repair and replacement of a flood damaged retaining wall, the wall structurally supports Church Street.
2. The proposed activity is eligible for coverage under the VT ANR Stream Alteration General Permit – Next Flood Measures.
3. The proposed activity will meet the terms and conditions of Section F of the General Permit provided:
 - a) The project will be completed and approved as shown on the plan dated May 2015, prepared by NEWTON TECH. SERVICES, and approved by the Vermont Agency of Natural Resources.
 - b) The project is proportional to the threat and conditioned to cease when the threat to life or to improved property has ended.
 - c) The project will not result in a threat to life, public health or safety.
 - d) The project will meet the standards detailed in subsection E.2.1 and E.2.2 of the General Permit.
 - e) The project will meet Stream Alteration Standards to the greatest extent possible.
 - f) A pre-construction meeting is held between the contractor, owner/applicant, and the ANR River Management Engineer.
 - g) The River Management Engineer is notified by phone or email when construction begins and when the project is complete.
 - h) A final construction inspection is required for any culvert and bridge related work.
 - i) Additional conditions: _____

If there are any changes in the project plan or deviation in construction from the plan, the Permittee must notify the River Management Engineer immediately.

If the project is constructed as you have described, as shown on the above referenced approved plans and according to the above conditions, there is no reason to expect any violation of Vermont Water Quality Standards.

David K. Mears, Commissioner
Department of Environmental Conservation

by: Patrick Ross Dated: 5/21/15
Patrick Ross, P.E., River Management Engineer

STATE OF VERMONT

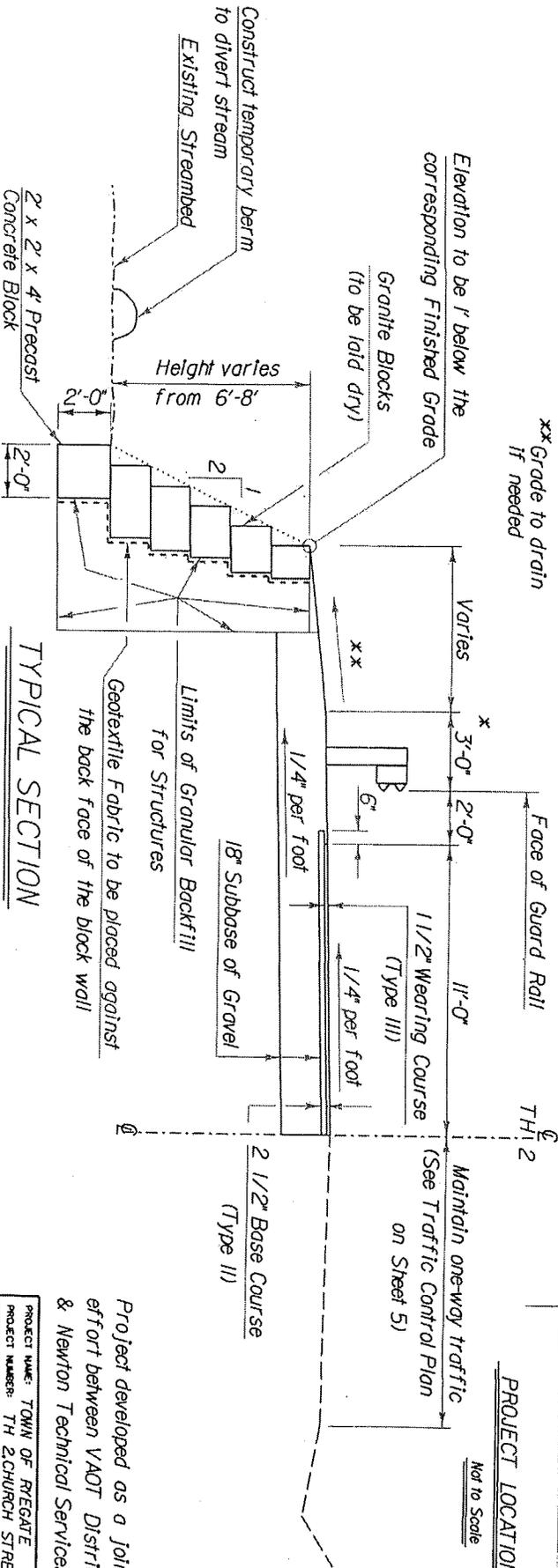
CALEDONIA COUNTY

TOWN OF RYEGATE (South Ryegate Village)

TOWN HIGHWAY No. 2, CHURCH STREET TOWN HIGHWAY STRUCTURES GRANT PROJECT

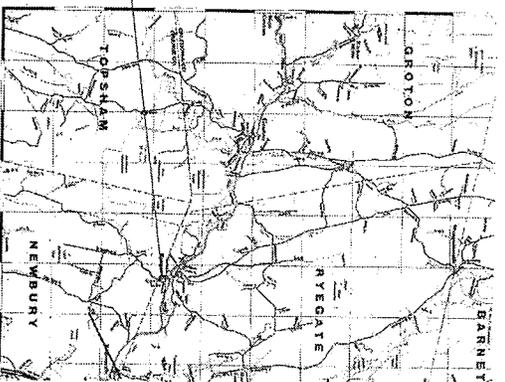
LIST OF SHEETS

1. Title Sheet & Typical Section
- 2 - 4. Layout Sheets
5. Traffic Control Plan
- 6 - 9. Cross-Sections



TYPICAL SECTION

1/4" = 1'-0"



PROJECT LOCATION MAP

Not to Scale

Project developed as a joint effort between VAOT District 7 & Newton Technical Services

PROJECT NAME: TOWN OF RYEGATE
PROJECT NUMBER: TH 2, CHURCH STREET

FILE NAME:
PROJECT LEADER: S. Clifton
DESIGNED BY: D.W. Newton

PLOT DATE:
DRAWN BY: D.W. Newton
CHECKED BY:
SHEET 1 OF 9

Item 62160 - Anchor for Steel Beam Guardrail
Sta. 0+45 Lt.

Item 62120 - Steel Beam Guardrail, Galvanized
Sta. 0+00 Lt. - Sta. 0+47 Lt.
(Approximately 35' of new Steel Beam Guardrail required to the info and connect with the existing Steel Beam Guardrail (approach rail) on the Upstream End of Twin Cell Box Culvert on Pleasant Street)

Sta. 1+00 Lt.
Begin Granite Block Wall

Item 62175 - Remove and Reset Guardrail
Sta. 0+47 Lt. - Sta. 1+50 Lt.
(Composite Offset Blocks to be added to the installation prior to Resetting Existing Guardrail)

Item 61313 - Stone Fill, Type N
Sta. 0+75 Lt. - Sta. 1+00 Lt.

Top & Front Face of New Wall and Edge of Shoulder

Flow

Pleasant Street

Sta. 0+00
Begin Project

to US Route 302

Church Street (TH 2)

13' Face of Rail

(Batter)

Line

*18

Scale: 1" = 10'

Match

Project developed as a joint effort between
VAOT District 7 & Newton Technical Services

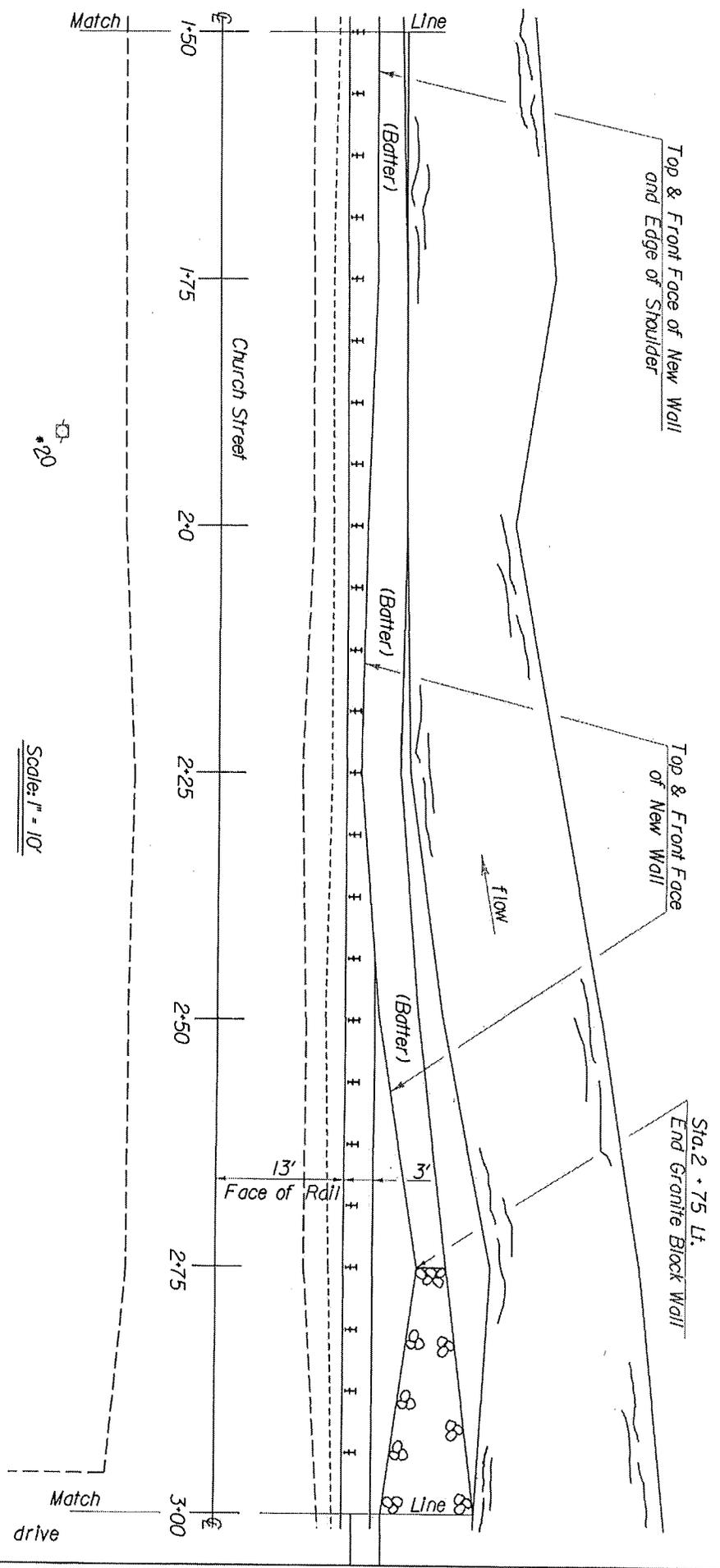
PROJECT NAME:	TOWN OF RYEGATE	PROJECT NUMBER:	TH 2 CHURCH STREET (BC 1158)
FILE NAME:		PROJECT LEADER:	S. CITTARD
DESIGNED BY:	D.W. NEWTON	DRAWN BY:	D.W. NEWTON
REVISION:	Revising Wall - Dr TH Structures Grant sheet 2 of 9	CHECKED BY:	

Item 621215 - Steel Beam Guardrail, Galvanized w/8 Steel Posts
 Sta. 1+75 Lt. - Sta. 2+50 Lt.

Item 62175 - Remove and Reset Guardrail
 Sta. 1+50 Lt. - Sta. 3+00 Lt.

Item 61313 - Stone Fill, Type IV
 Sta. 2+75 Lt. - Sta. 3+00 Lt.

Item 62177 - Replace Guardrail Beam Unit
 Sta. 2+87 Lt. - Sta. 3+12 Lt.
 (two 12'-6" panels)



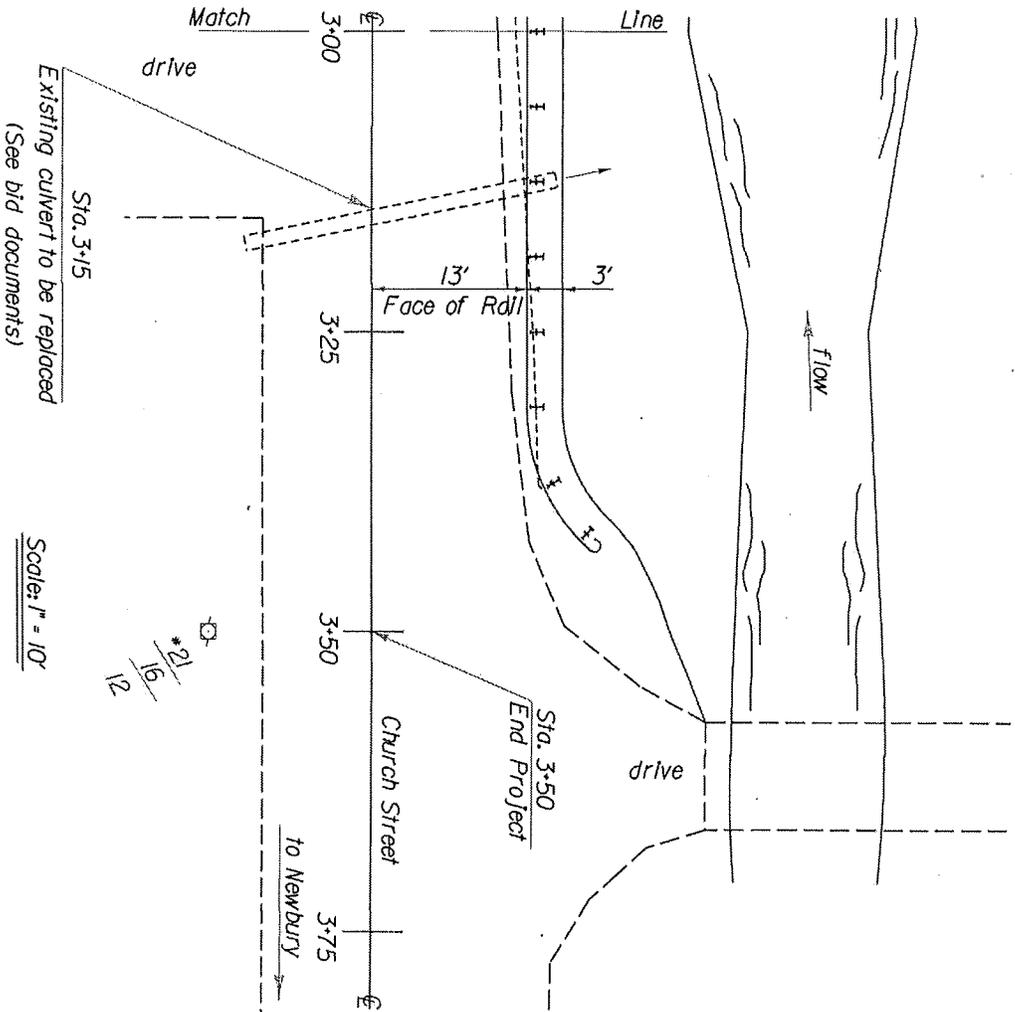
Scale: 1" = 10'

Project developed as a joint effort between
 VAOT District 7 & Newton Technical Services

PROJECT NAME:	TOWN OF REGATE	PROJECT NUMBER:	TH 2 CHURCH STREET (BC 115B)
FILE NAME:		DESIGNED BY:	D.W. NEWTON
PROJECT LEADER:	S. CLIFFORD	DRAWN BY:	D.W. NEWTON
REVISIONS:		CHECKED BY:	
		DATE:	3/9

Item 621.75 - Remove and Reset Guardrail
Sta. 3+00 Lt. - Sta. 3+425 Lt.

Item 621.60 - Anchor for Steel Beam Guardrail
Sta. 3+36 Lt.



NOTES:

1. Although shown as a straight line, the centerline on Church Street (TH 2) actually follows the curvature of the existing centerline along TH 2.
2. The topographical features shown, along with the proposed Typical Section, are based on that existing roadway centerline.
3. Sta. 0+00 is located at the point where an extension of the upstream fascia of the twin cell box culvert on Pleasant Street intersects the existing centerline of Church Street.
4. The local River Management Engineer has advised that during reconstruction of the retaining wall, the Contractor shall have no more than 60' of streambank-related work under construction at any one time.
5. The Contractor is required to perform any and all in-stream excavation in the "dry". This work can be done by either constructing a berm or setting a temporary barrier to divert water away from the excavation. Any berm or barrier used shall be removed when the excavation work is complete.
6. The Contractor is required to maintain a minimum of one-way traffic during construction.

Project developed as a joint effort between
VAOT District 7 & Newton Technical Services

PROJECT NAME:	TOWN OF RYEGATE
PROJECT NUMBER:	TH 2 CHURCH STREET (BC 11581)
FILE NAME:	
PROJECT LEADER:	S. Clifford
DESIGNED BY:	D.W. Newton
PLANNED BY:	D.W. Newton
CHECKED BY:	
REVISIONS:	Revising Wall - DR TH Structures Genl Sheet 4 of 9