



# FY17 Vermont Better Roads Grant Application

Please complete this page ONCE and return with your Grant Category Application(s)

Town/Organization: Danville Contact Person(s): Keith Gadapee

Address: P.O. Box 183, 448 Peacham Road, Danville 05828  
Street Address Town Zip

Email: highways@danvillevermont.org Phone: (802) 684-3362

DUNS #: 02-6028865 Fiscal Year End Month (MM): 12/31

Accounting System:  Automated  Manual  Combination

Please use the suggested documentation checklist below to ensure that all of the relevant items regarding your application have been included.

- Grant application cover sheet (Only submit one)
- Grant application form (One per category/project)
- Itemized Cost estimate for labor, equipment, and materials (see enclosed Cost Estimate Worksheet). If applicable, please break down funding by source (i.e. different grant sources)
- Project Location Map (please show location of affected water)
- Sketch of proposed erosion control measures or other management practices, including distances in feet  
Also show approximate location of town/other right-of-way and/or property lines
- Photo(s) of the project area
- Letters of Support (RPC, VTtrans District Technical Staff, ANR Rivers and Streams Engineers, etc.)
- If Category C River/Road Conflict or Category D River/Stream Structure or Culvert, you must attach ANR/ACOE consultation



# Vermont Better Roads Grant Program Application

Please complete one application per category and/or project you are applying for. You may make copies of the application for multiple applications per category and/or multiple categories.

Please check the Category you are applying for:

- B. Correction of a Road Related Erosion Problem and/or Stormwater Mitigation Retrofit for both gravel and paved roads
- C. Correction of a Stream Bank or Slope Related Problem
- D. Structure/culvert upgrades

Town/Organization: Danville

Project Name: Thaddeus Hill

Road Name: Thaddeus Stevens Road TH #: 54 Structure # (if applicable): \_\_\_\_\_

Road Type: Paved or Unpaved (circle one) Curbed or Uncurbed (circle one)  
 Class 1 Class 2 Class 3 Class 4 (circle one)

Watershed: \_\_\_\_\_

Please provide a thorough description of the problem (ex. Roadway has steep slope with no ditch which is causing roadway erosion):

Roadway very steep. Water has to travel too far before it can be led out away from road due to side banks. This caused ditch cutting downward moving material down towards Joe's Brook.

Description of Project and how you plan to complete the work (ex. Stone line 500' of ditch by reshaping ditch and stone lining, working from the top of the project down to the bottom):

Stone line ±1300 feet of ditch east side of road where water has to travel so far. Add new cross pipe to release some water across to lessen amount down one side. Remove berms and resurface.

Expected Effects (+ & -) on water quality (ex. Erosion will be eliminated by placing the stone ditch):

Stoned ditch should prevent downward cutting in ditch, move less sediment, keeping leadouts cleaner, longer, reducing maintenance. Resurfacing road with ledge product will stay in place longer.



Distance from end of project to nearest water (stream, lake, or stormwater system that outlets directly to water). Please circle one: 0-50' 50-250' 250'+

Progress to Date:

N/A

Is there an emergency reason this project must be completed quickly? If yes, please explain:

NO

Has this project been identified through a municipal road inventory, capital budget plan, tactical basin plan, culvert inventory, or other management plan? If yes, please list which.

Yes: \_\_\_\_\_

No

Please list any professionals you may have contacted for assistance with this project (ANR River Management Engineer, Army Corps of Engineers, VTrans District Technical staff, Basin Planner etc.):

Shauna Clifford - VTrans  
letter attached.

Is the project located in the town "Right of Way?" Yes, No, Both (if "Both" please explain further).

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Will the town road crew complete this work? Yes, No, Some (if "some" please explain further).

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Describe how the grant funds will be spent and/or attach a project budget: \_\_\_\_\_

*See attached*

How do you plan to meet the required 20% match on this grant?:

*Budgeted line item approved at Town's annual meeting.*

Requested Grant Amount (\$20,000 max Category B, \$40,000 max Categories C & D): *\$20,000*

Estimated Total Project Cost (including 20% local match): *\$53,731.44*

Estimated Completion Date: *10/1/16*

**REQUIRED ATTACHMENTS:**

- Itemized Cost Estimate (labor, equipment, materials)  
(For assistance, call Better Backroads at 802-828-4585)
- Project Location Map  
(Please show location of affected water; 1:12,000 USGS map, if possible)
- Sketch of proposed erosion control measures, including:
  - Distances (ft.)
  - Estimate of waste & borrow quantities
  - Approx. location of town/other right-of-way and/or property lines
- Photo(s) of the project area.
- Agreement for Entry and/or Deed of Easement (if project is outside Town ROW).
- If project involves stream or river/road conflict, include documentation of consultation with a River Management Engineer.
- Other appropriate supporting documents.

By signing this application I certify that all the information provided is accurate to the best of my knowledge. We will comply with all the requirements of the grant including making our books available for audit if required.

**SIGNATURE OF APPLICANT: (Must be Town Administrator/Manager or Select Board Chair)**

Name: *Michael F. Walsh*

Title: *Selectboard Chair*

Cost Estimate Worksheet

Town and Road Name: Danville, Thaddeus Stevens Rd.

Project Name: Thaddeus Hill

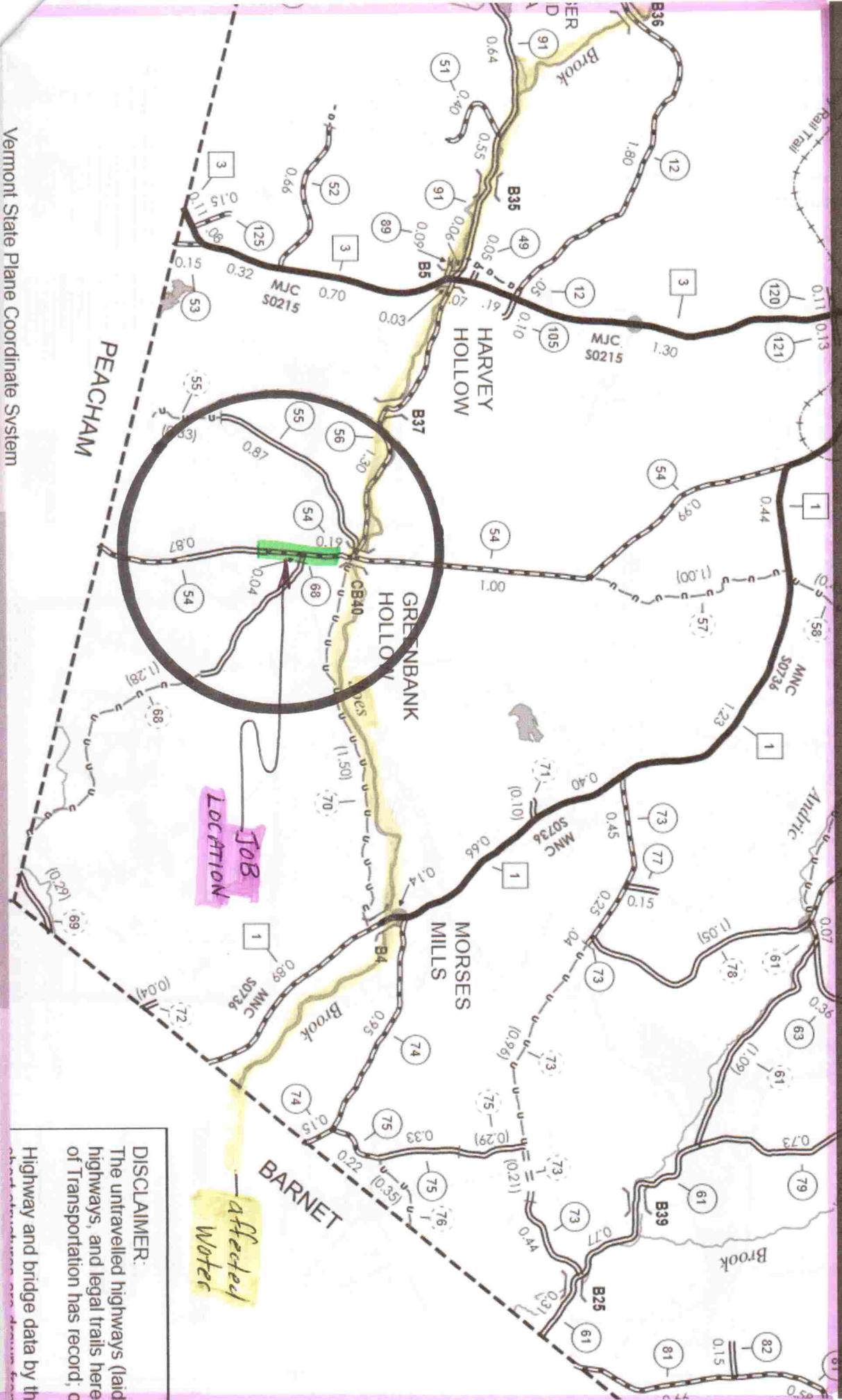
Labor	Rate	# Hours	Total (Rate x Hours)
Worker wage includes benefits	33.20	390	12,948.00
Labor Total			
12,948.00			
Equipment	Rate	# Hours	Total (Rate x Hours)
Chipper	40.00	16	640.00
Tandem Trucks	128.55	160	20,568.00
311 Excavator	56.03	86	4,818.58
Grader	82.04	16	1,312.64
Roller	55.00	16	880.00
Water Truck	112.13	4	448.52
Mulcher	10.00	4	40.00
Equipment Total			
28,707.74			
Materials	Rate	Amount	Total (Rate x Amount)
18" culvert HP Plastic	11.62	110'	1,278.20
8" minus erosion ledge	9.75	650 ton	6,337.50
3/4" ledge plant mix	8.25	480 ton	3,960.00
Materials Total			
11,575.70			
Miscellaneous	Rate	Amount	Total (Rate x Hours)
Seed + Hay Mulch Allowance			500.00
Miscellaneous Total			
500.00			

Grand Total 53,731.44  
Match 33,731.44



Clicking ✖, or by getting them from another browser. [Import your favorites](#)

INSET 2

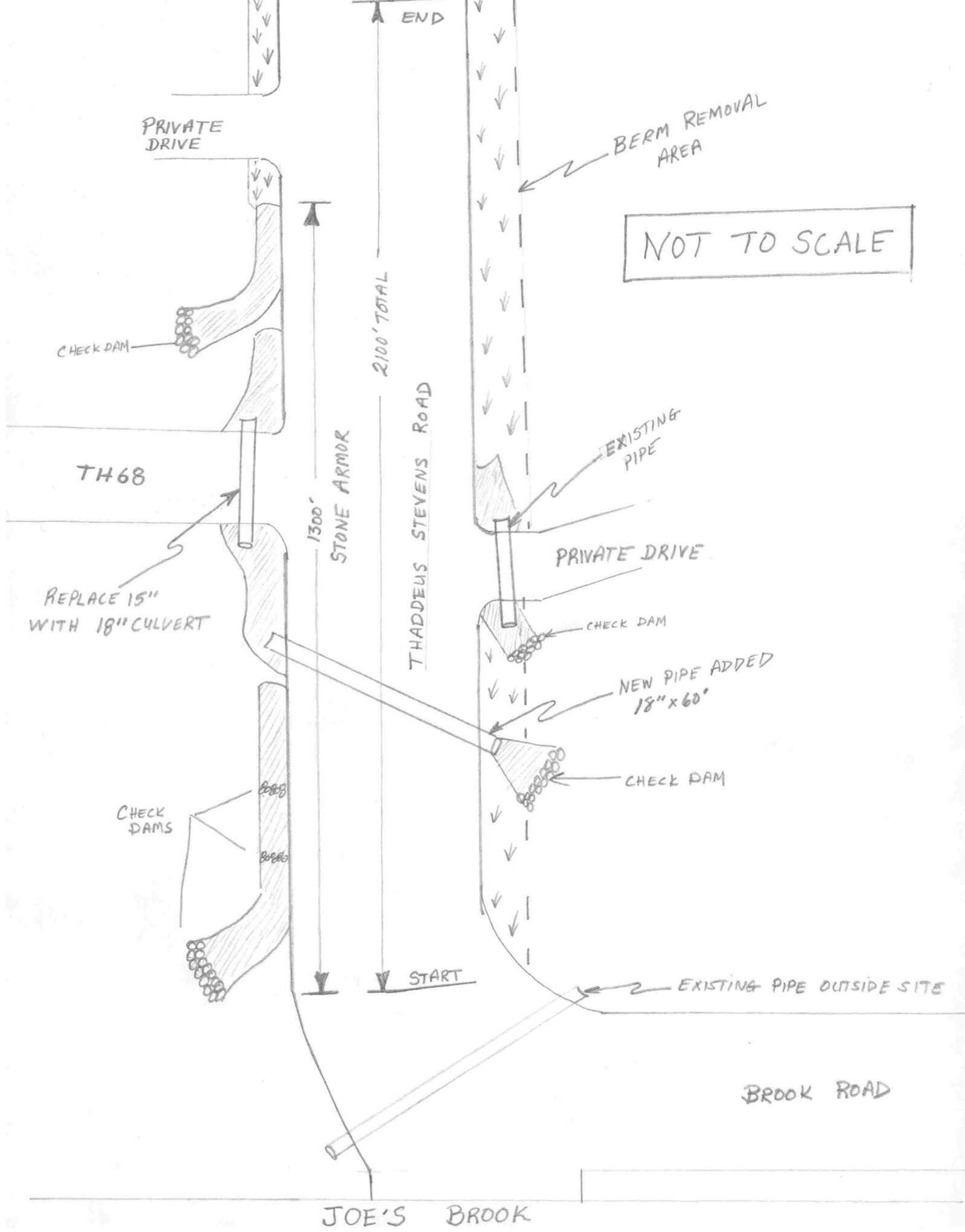


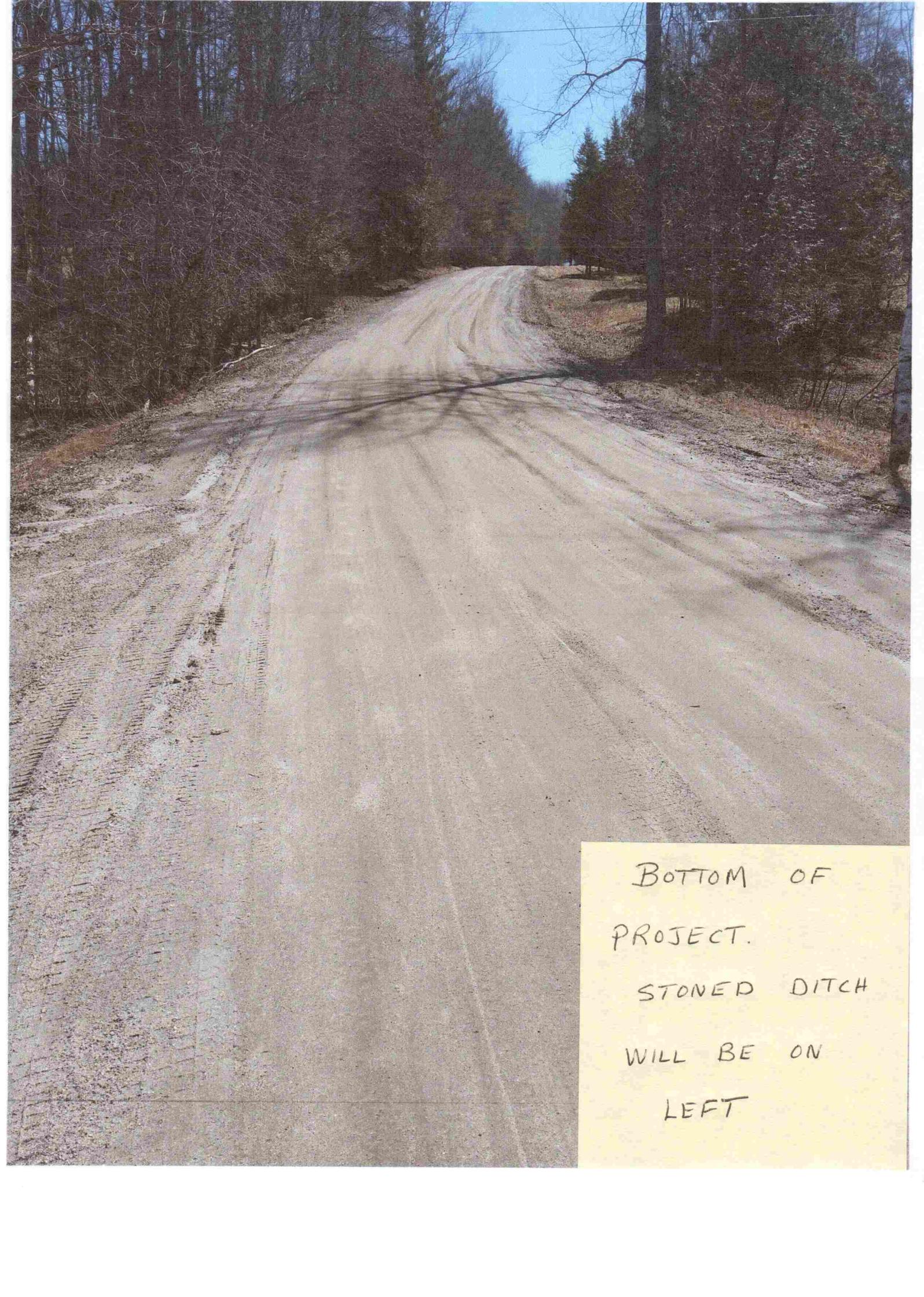
Vermont State Plane Coordinate System

JOB LOCATION

Affected Water

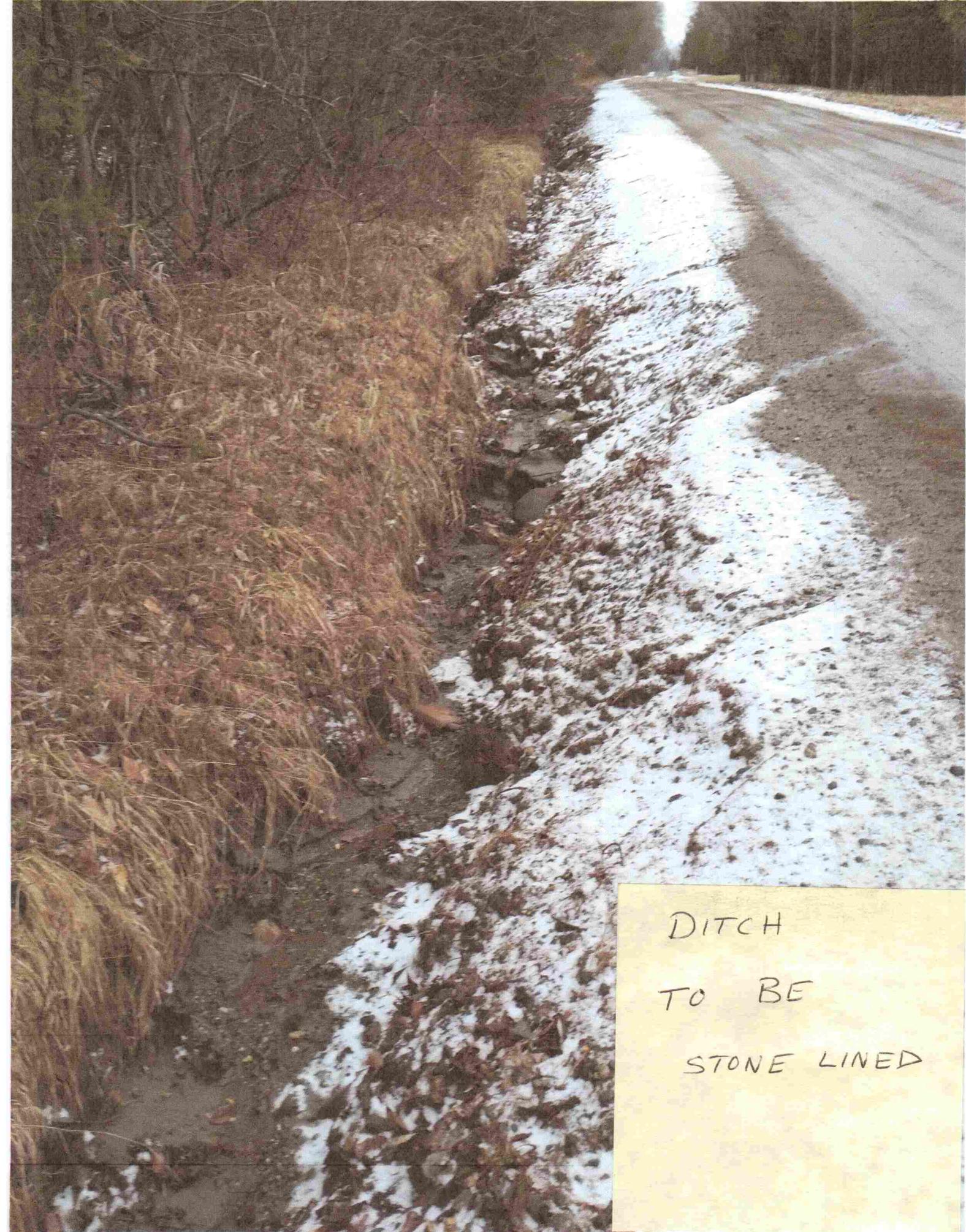
DISCLAIMER:  
The untraveled highways (laid highways, and legal trails here of Transportation has record; o Highway and bridge data by th



A photograph of a dirt road in a wooded area. The road is light-colored and shows tire tracks. The surrounding area is filled with trees, some of which are bare, suggesting a late autumn or winter setting. A yellow sticky note is attached to the bottom right of the image.

BOTTOM OF  
PROJECT.

STONED DITCH  
WILL BE ON  
LEFT



DITCH  
TO BE  
STONE LINED

State of Vermont  
District 7  
1068 US Route 5, Suite 2  
St. Johnsbury, VT 05819-8501  
[www.aot.state.vt.us](http://www.aot.state.vt.us)

Agency of Transportation

[phone] 802-748-6670  
[fax] 802-748-6671  
[ttd] 800-253-0191

April 14, 2016

RE: Better Roads Grant

To Whom It May Concern:

I have met with Keith Gadapee, town of Danville Road Foreman, to field review a proposed Better Roads project on Town Highway 54 – Thaddeus Stevens Road. This letter is to convey my endorsement for the proposed project.

My observation of this site is that there is a large amount of sediment and subsequent transfer that now occurs and runs into Joes Brook. Due to the terrain, water must run a long distance before being disbursed.

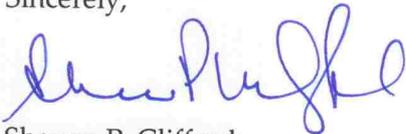
The work proposed will minimize the effects of sediment transfer and erosion within the roadway:

- Adding gravel material and reshaping Thaddeus Stevens Road allowing the runoff to sheet from the town highway into the ditch
- Developing the existing ditch to have capacity to carry the water away from the road
- Armoring ditches to reduce erosion
- Potentially replacing the drainage to maximize the hydraulic capacity
- Installation of check dams to control velocity of water

I feel that this project is a great candidate for the Better Roads program and have encouraged the town to take advantage of this program by applying for a grant.

If you have any questions, please do not hesitate to contact me at 748-6670.

Sincerely,



Shauna P. Clifford  
District 7 Project Manager