



Vermont Better Roads Grant Program



Cover Sheet

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

Town/Organization: Rupert

Primary Contact Person (Responsible for Signing Grant Agreement): Tom Wilson

Title: Select Board Chair and Road Foremen

Address: P.O. Box 140, West Rupert, VT 05776

Primary Contact Person Email: ruperthighway153@gmail.com Phone: (802) 394 - 2926

SAM unique ID #: M3YMVBNJWE15 Fiscal Year End Month (MM):06

Town Clerk / Admin email: rupert187@myfairpoint.net

Road Foreman Name: Tom Wilson Road Foreman Email: ruperthighway153@gmail.com



Vermont Better Roads Grant Program



CATEGORY B/C/D

Please complete one application per project you are applying for.

Please check the Category you are applying for:

- B. Correction of a Road Related Erosion Problem and/or Stormwater Mitigation
- C. Correction of a Stream Bank, Lake Shore or Slope Related Problem
- D. Structure/culvert 36" diameter or greater

Municipality: Rupert

Road Name: Kent Hollow Road and Hidden Valley Road TH #: TH 4 and TH 24

Road Type: Paved or **Unpaved** (select one) Road Class: 1 2 **3** 4 (select one)

Please provide a thorough description of the erosion/water quality problem Six undersized (15 inch) culverts with deteriorating headers will be replaced. All six road segments are hydrologically connected and do not meet the Municipal Road General Permit BMPs due to undersized culverts, some with damaged headers, which are causing erosion at their inlets and outlets. The inlets and outlets will be stabilized with 6-inch stone. This work will prevent stormwater runoff and erosion sediment from entering White Creek, a tributary of The Batten Kill.

Has the town completed an MRGP compliant road erosion inventory?

- Yes**
- No
- In progress

Project Length (linear feet along roadway): 6 hydrological connected road segments requiring 280 feet of 18 inch culverts and approximately 120 feet of stone lined ditches at the inlets and outlets.

Number of structures/culverts replaced/repared: 6

Average slope of roadway: **0-5%** 5-10% >10%

Provide a VERY detailed map of project location showing start and end points: **Included**

Provide a sketch of project location showing distances and project details: Included



Vermont Better Roads Grant Program



Please provide the Road Segment ID (RSID) for your project. If several, please list all. In addition to the RSID please indicate what the resulting rating of each segment before construction as well as after construction in accordance with the MRGP.* (i.e., Fully Meets Standard, Partially Meets, Does Not Meet) For assistance, please contact Better Roads Staff (802)828-4585.

RSID	Hydrologically Connected?		Pre-construction MRGP Conformance			Post-construction MRGP Conformance		
	Yes	No	Fully Meets	Partially Meets	Does Not Meet	Fully Meets	Partially Meets	Does Not Meet
119798	x			x		x		
119797	x			x		x		
119796	x			x		x		
119788	x			x		x		
119782	x				x	x		
111672	x			x		x		

*In order to "Fully Meet" the standards the road segment must have proper crown, removal of shoulder berms, proper ditching, proper conveyance and no erosion present at culvert inlets and outlets.



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Environmental Concerns:

All projects require a review of potential impacts by our environmental team. To expedite the review process, please check the boxes below that describe existing structures/conditions to be replaced/maintained (if any) and the project description that applies (if any).

Existing Structures:	
<input type="checkbox"/> Steel/Plastic Culvert	<input type="checkbox"/> Concrete Box Culvert
<input type="checkbox"/> Stone Culvert – Take pictures	<input type="checkbox"/> Concrete Bridge
<input type="checkbox"/> Ditch	<input type="checkbox"/> Rolled Beam/Plate Girder Bridge
<input type="checkbox"/> Foundation remains, mill ruins, stone walls, other – Take pictures	<input type="checkbox"/> Stone abutments or piers – Take pictures
<input type="checkbox"/> Buildings within 300 feet of work - Take pictures	
Project Description:	
<input type="checkbox"/> New ditches will be established	<input type="checkbox"/> All work will be completed from the existing road or shoulder
<input type="checkbox"/> Reestablishing existing ditches only	<input type="checkbox"/> There will be excavation within 300 feet or a river or stream – Take pictures
<input type="checkbox"/> The structure is being replaced on existing location/alignment	<input type="checkbox"/> Road reclaiming, reconstruction, or widening
<input type="checkbox"/> Excavation within a floodplain – Take pictures	<input type="checkbox"/> Temporary off-road access is required
<input type="checkbox"/> Tree cutting/clearing – Take pictures	<input type="checkbox"/> The roadway will be realigned

Please describe the project and how it will create a positive water quality benefit

This project will replace six 15-inch culverts in poor condition and failing headers which are leading to erosion entering White Creek, a tributary of the Batten Kill. The inlets and outlets will be stabilized with stone. Each of these culverts are located on hydrologically connected road segments..

Please list any professionals or partners that assisted with planning this project

Jim Henderson, Bennington County Regional Commission, Environmental Program Manager

Is the project located in the town "Right of Way? (select one) Yes No Both

Please be aware, Municipalities are required to have an Agreement for Entry & Liability Release for any impacted properties (prior to the start of construction.)

Budget:

Please attach a project budget and confirm below that is attached:

Project budget IS attached



Vermont Better Roads Grant Program



Are you applying to other grant programs to help fund this project? If so, what programs? Please note that Better Roads requires a 20% local match and Better Roads funding may not be used as match for other state or federally funded programs.

<p>Requested Grant Amount: \$ 20,000.00</p> <p style="text-align: center;">+</p> <p>Local Match: \$ 14,731.04</p> <p style="text-align: center;">=</p> <p>Total Project Cost: \$ 34,731.04</p>	<p>Requested Grant Amount Max:</p> <p>\$20,000 Category B</p> <p>\$40,000 Category C</p> <p>\$60,000 Category D</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>See page 6 for more information on calculating match</p> </div>
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Estimated Completion Date: 12/30/2024

REQUIRED ATTACHMENTS:

Please use the documentation checklist below to ensure that all of the relevant items regarding your application have been included. **It is preferred that your application is a single PDF file.**

- Grant application cover sheet
- Grant application form, including chart with RSID and MRGP compliance before and after project completion
- 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).
- Detailed Project Location Map
- Sketch of proposed project and 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 and limits of work
- Photos must be color and clear to see.**
 - Please make sure there are enough photos to get a good idea of the project area**
- 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:

Name: *Thomas Wilson* Title: *select board / Road Foreman*
MUST BE TOWN ADMINISTRATOR/MANAGER OR SELECT BOARD CHAIR

Vermont Better Roads Category B/C/D Grant Proposal Scoring Criteria

All applications will be scored on a sliding scale elected by the Better Roads Grant Selection Committee. Road BMP upgrades are considered the highest priority for grant funding when road segments are



Vermont Better Roads Grant Program



Cost Estimate Worksheet

Town and Road Name: Rupert Kent Hollow Road

Project Name: F425 BRG, Kent Hollow

Labor	Rate	# Hours	Total (Rate x Hours)
Tom Wilson	50.40	48	2,419.20
Lavern Truhant	45.00	48	2,160.00
Brett Laurie	36.37	48	1,764.00
Rick Browe	40.25	48	1,932.00

Labor Total 8,275.20

Equipment	Rate	# Hours	Total (Rate x Hours)
Tandem Dump Truck	78.00	48	3,744.00
Tandem Dump TRUCK	78.00	48	3,744.00
JD Pay Loader	78.00	48	3,744.00
Excavator	65.00	48	3,120.00

Equipment Total 14,352.00

Materials	Rate	Amount	Total (Rate x Amount)
6 18-Inch Culverts	25.00 per foot	360 Feet	9000.00
Gravel	14.88 per yd	168 yds	2,488.84
Stone	14.00 per yd	36 yds	504.00
Grass seed	50.00 per bag	2 bags	100.00

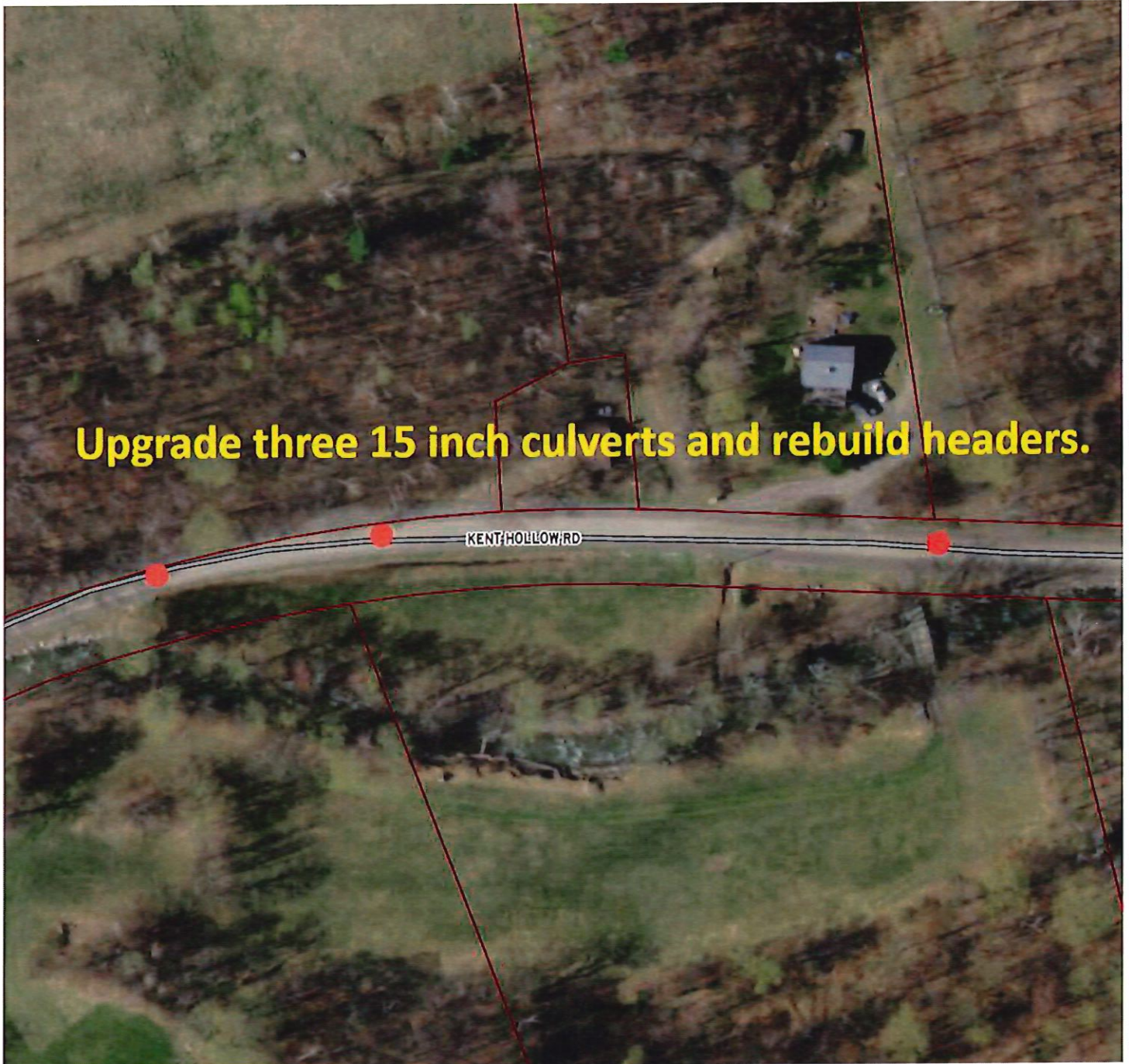
Materials Total 12,103.84

Miscellaneous	Rate	Amount	Total (Rate x Hours)

Miscellaneous Total

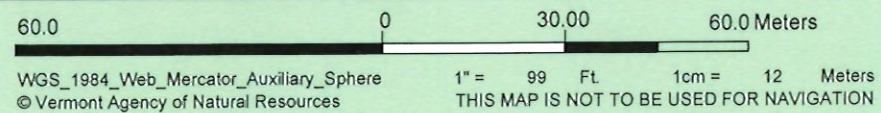
Grand Total 34,731.04

Match 14,731.04

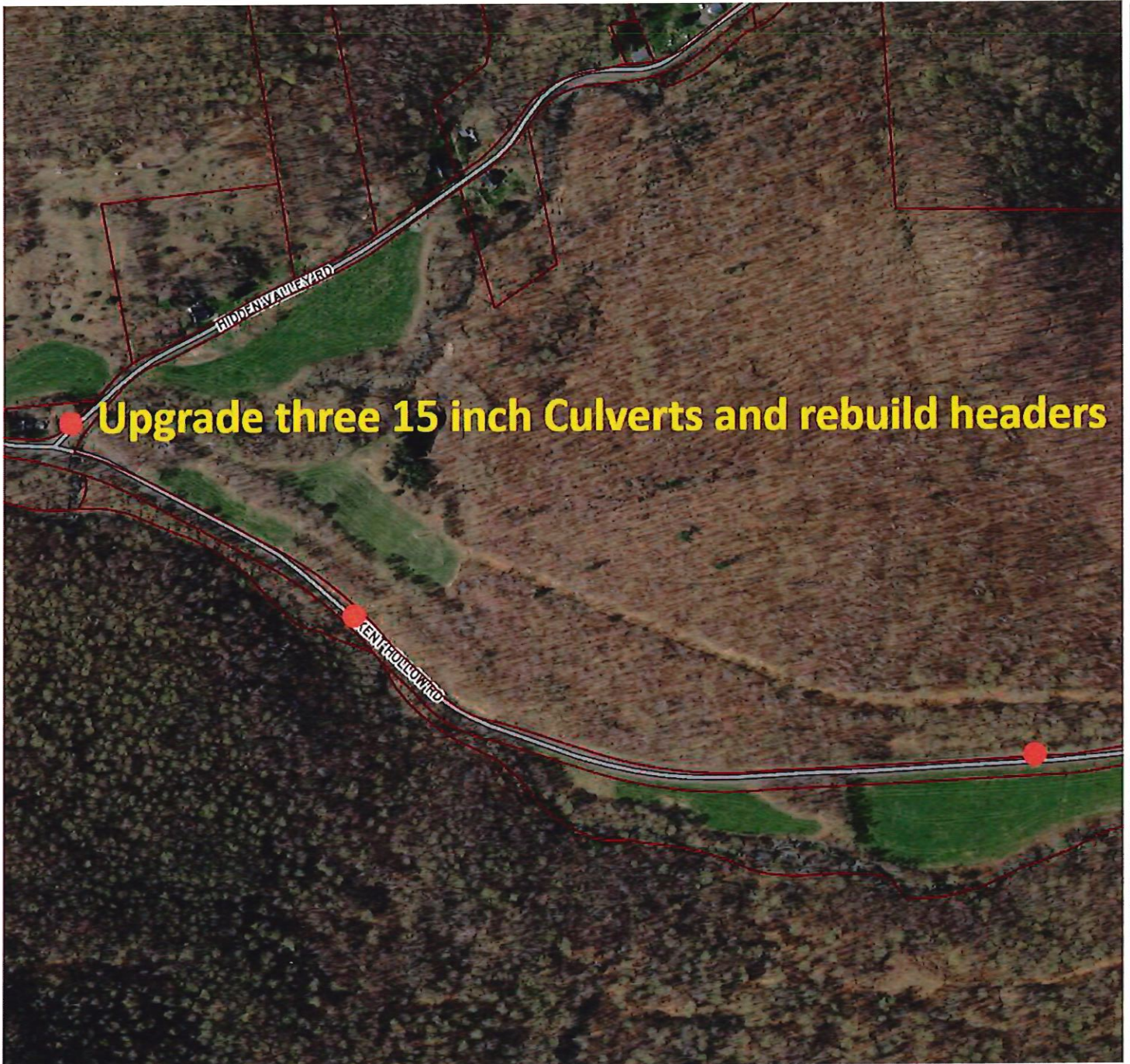


LEGEND	
	Parcels (standardized)
Roads	
	Interstate
	US Highway; 1
	State Highway
	Town Highway (Class 1)
	Town Highway (Class 2,3)
	Town Highway (Class 4)

NOTES	
These three 15 inch culverts will be upgraded to 18 inch culverts, the headers will be rebuilt and the inlets/outlets stabilized with stone.	
1: 1,186	
November 30, 2023	



DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.



LEGEND

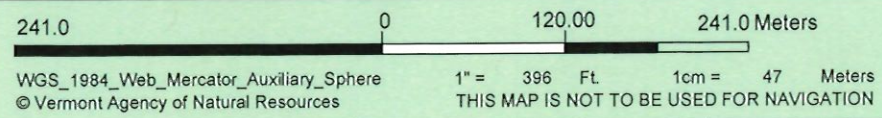
	Parcels (standardized)
Roads	
	Interstate
	US Highway; 1
	State Highway
	Town Highway (Class 1)
	Town Highway (Class 2,3)
	Town Highway (Class 4)

NOTES

These three 15 inch culverts will be upgraded to 18 inch culverts, the headers will be rebuilt and the inlets/outlets stabilized with stone.

1: 4,746

November 30, 2023



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Vermont Better Roads Grant Program



River Management Engineer Support Letter

I am providing this letter of support to the Town/City/Village of RUPERT for their Better Roads grant application on KENT HOLLOW ROAD, which will have an impact on

Mile Marker, Road Name/TH Number

TRIBUTARY TO WHITE CREEK

Name of River/Stream

Stream Alteration Permit Required for this project: Yes No

Upon review of the site, I have determined that the proposed project is eligible for a Stream Alteration Permit. Additionally, if this project is constructed according to the recommendations described below (see Comments), the following stream equilibrium and connectivity benefits will be achieved:

- Restores or enhances floodplain/access to floodplain
 - Restores or enhances natural channel dimensions
 - Establishes tree/shrub buffer
 - Restores habitat (including aquatic organism passage)
 - No additional benefits
 - Further restricts or impacts the stream
- * culverts sized for compliance with MRGP standards

Thank you for your consideration,

Signature Joshua Carvajal, RME

Comments:



210 South Street, Suite 6 - Bennington, VT 05201 - (802) 442-0713

Alan May

November 30, 2023

Vermont Better Roads Program

Dear Alan,

Please accept this letter of support for Rupert's FY2025 Better Roads Category B application to upgrade six undersized culverts, rebuild headers and stabilize the inlets and outlets with 6-inch stone on Kent Hollow Road and Hidden Valley Road in Rupert, Vermont. Five of the 15-inch galvanized culverts will be replaced with 18-inch, 40-foot-long HDPE pipes and new headers will be built. The Hidden Valley Road 15-inch culvert will be replaced with an 18-inch, 80-foot HDPE pipe. The town will also install approximately 280 feet of stone lined ditches at the inlets and outlets (where needed). In 2019 I conducted the road erosion inventory for the Town of Rupert, and I have recently visited the site with the Rupert Road Foreman. Although most of these hydrologically connected road segments are rated as "Partially Meets" in the current REI Implementation Table, this roadway which parallels White Creek, a tributary of The Batten Kill, was impacted by recent flooding events and most of these road segments would no longer meet the MRGP standards. This project would bring these road segments into compliance with the MRGP and prevent sedimentation from entering White Creek. Thank you.

Sincerely,

A handwritten signature in black ink that reads "Jim Henderson". The signature is written in a cursive, flowing style.

Jim Henderson, BCRC Environmental Program Manager



