

## Memorandum

To: Pam DeAndrea, Central Vermont Regional Planning Commission

From: Watershed Consulting Associates, LLC

Date: December 19, 2018

Re: ***Stormwater Master Plan for the Mad River Town of Moretown – Deliverable 5A Memo***

FEB 26 2019  
NEWEST

### ATTACHMENTS:

#### A-1: Top 5 Field Sheets

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Dear Pam:

Watershed Consulting Associates (Watershed) is pleased to submit this memo describing the site visits for the top five (5) projects identified for the Town of Moretown as part of the Mad River Stormwater Master Plan (SWMP). 30% engineering designs will be completed for each of these 5 projects. Site visits were completed between September and November of 2018 by Watershed staff, Pam DeAndrea (Central Vermont Regional Planning Commission), Corrie Miller (Friends of the Mad River). The Top 5 sites for the Town of Moretown are:

1. Town Garage and Sand Storage
2. Moretown Elementary School
3. Moretown Library
4. Town Hall
5. Moretown Post Office

A summary of the existing conditions observed during site visits and the proposed solutions for these sites is provided in the following pages.

## 1. Town Garage and Sand Storage:

### *Existing Conditions:*

The Town of Moretown's sand storage area is located along Route 100B (west side of road) north of the intersection of Moretown Mountain Rd. This site abuts the Mad River. The northern half of the site drains to the river via two drainage channels and the southern half drains to a low point located in the southwest corner of the site. The riparian buffer has been removed completely in one location and sediment is being transported to the river via drainage channels as well as current snow removal practices. The Town Garage is located just south of this site on the eastern side of Route 200B. A stormline currently runs north down Route 100B and discharges to the Mad River just north of the Town's sand storage area.



Snow is plowed over the bank to the Mad River in this location.



Drainage from the sand storage facility by the entrance is entering a swale that drains to the Mad River.



Drainage from the sand storage facility is draining to the Mad River.



The greenspace by the sand storage facility along Route 100B is the proposed location for infiltrating drainage from the Town Garage and surrounding areas.

### *Proposed Solutions:*

Intercept the stormline running north down Main St and route to a perforated pipe in the greenspace between the Town's sand storage and the road. Enhance the riparian buffer along the Mad River where snow is currently plowed over banks (northwest and southwest corners). Implement a sediment trap between fuel tank and tree in southwest corner, and another by the entrance of site to collect, filter, and infiltrate drainage from this area. Improve snow removal and management practices by plowing into basins instead of over riverbank.