

Attachment 1: Narrative, Location Map, and Soils Map Montpelier Parking Garage

1. Introduction

Watershed Consulting Associates, LLC are writing on behalf of Mary H. Heney Trust/Lawrence P. Heney Trust to apply for a State Stormwater Discharge Permit pursuant to General Permit 3-9015 for the above referenced project.

2. Project Description

The proposed project is the construction of a parking garage and its associated infrastructure in Montpelier, Vermont. The parking area and access drives will comprise of .72 acres of impervious. This comprises .68 acres of redeveloped impervious, .04 acres of new impervious, and .10 acres of impervious transformed to greenspace. The project is under jurisdiction of the Environmental Protection Rules, Chapter 18.

3. Existing Condition

The site is currently consists entirely of paved parking area which services many businesses along State Street.

According to NRCS Soil Data, the site contains 100% Urban land-Udipammments complex, occasionally flooded. The site runs directly adjacent to the Winooski River but has a depth to water table of more than 80 inches.

4. Existing Stormwater System

The site is currently serviced by a small, single branch stormwater system comprising of three catchbasins discharging to a single outfall directly to the North Branch of the Winooski River.

5. Proposed Stormwater System:

- i) Description of Impervious Area: The future conditions include .72 acres of parking areas, access drives, and sidewalks.
- ii) Receiving Body: North Branch of the Winooski River
- iii) Fish Habitat Designation for Receiving Water: Cold
- iv) Description of compliance with each of the 5 Unified Sizing Criteria in the 2002 VSMM Vol. I including the treatment practices or credits/waivers used to meet each of the following standards:
 - (a) Water Quality Treatment Standard (WQv):
 1. S/N 001: The required WQv is met by a stormtech underground sand filter.

- (b) Groundwater Recharge Treatment Standard:
1. S/N 001: Through discussions with the DEC it has been determined that infiltration at the site is infeasible due to soil contamination.
- (c) Channel Protection Standard (CPv):
1. S/N001: CPv is waived due to direct discharge to waters with a drainage area equal to or greater than 10 square miles and that is less than 5% of the watershed area at the site's upstream boundary.
- (d) Overbank Flood Protection Standard (Q_p10) :
1. S/N001: This standard is waived because the site that has a direct discharge to waters with a drainage area equal to or greater than or equal to 10 square miles.
- (e) Extreme Flood Protection Standard (Q_p100): This standard is waived because the site has a direct discharge to waters with a drainage area equal to or greater than 10 square miles and that is less than 5% of the watershed area at the site's upstream boundary.

The following items are attached for review:

- **Complete NOI form**
- **Attachment 1: Narrative:** Narrative, Location Map, Soils Map, Existing Conditions Map, and Future Conditions Map.
- **Attachment 2: Workbooks:** Standards Compliance Workbook and STP Tool
- **Attachment 3: Worksheets:** -Waivers and BMP worksheets grouped by discharge point.
- **Attachment 4: Modeling:** Runoff modeling and calculations demonstrating compliance with the applicable treatment standards.
- **Attachment 5: Plans:** Pertinent plan sheets with all required information outlined in Part 5 of the General Guidance Document.
- **A check** in the amount of \$859.20 Payable to "State of Vermont".