



# Stormwater Management Plan Screening

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Please provide the following information to the Stormwater Program Manager in order to determine what the requirements will be for your project.

- General Information
  - Project Address: **380 Colchester Ave.**
  - Owner: **Nathaniel Hayward**
  - Engineer: **Engineering Ventures, P.C. (Contact – Kevin Worden, PE)**
  - Brief project description: **Subdivision of 1.43 Ac. +/- property located in the RL Zoning District. Lot to be subdivided into three (3) parcels as part of this application. The existing duplex on Lot 1 will be converted to a triplex. The project will involve the building addition, associated driveways/parking, and stormwater management.**
  - Receiving system identification (the Stormwater Program Manager will verify the receiving system)
    - Combined Sewer (Main, North or East Plant)
    - Separate Storm (Lake, Winooski, Englesby, Centennial, Wetland, unnamed tributary)

Receiving system: **Separate Storm System to Winooski River**
  - Please provide a map indicating where the project will tie into existing City infrastructure (catch basin, manhole, combined or separate stormwater line)  
**See Attached Sheet HYD2-Post Development Drainage Area Map. P.O.I.#1 is the point where the project will tie into the existing City infrastructure**
- Existing conditions: description of existing conditions, description of existing stormwater system, existing drainage issues, current connectivity to City system

**The site is located on the western side of Colchester Ave, approximately 1,000 feet south of the intersection of Colchester Ave and US Route 2. The address is 380 Colchester Ave. A duplex and driveway currently exist on the southeastern portion of the property. The majority of the site is located on steep slopes and wooded areas. The runoff from from the existing impervious areas mostly drains to an existing catch basin located on the western side of Colchester Ave. Runoff is conveyed from this catch basin via a 12" CMP to an existing 30" CMP that drains along the eastern side of Colchester Ave to an outlet at the Winooski River, approximately 1,200 ft to the north.**

- Proposed Conditions: description of proposed conditions, brief description of proposed stormwater system, proposed method of discharge to receiving water or City system (overland flow, direct connection via pipe, existing or new manhole or CB)  
**The existing duplex will be converted to a triplex, with a building addition being proposed on the north and west sides of the existing building. Parking for the proposed triplex will be provided in 3 spots at grade with the existing finished floor and 3 spots in the proposed garage, which will be set below the existing basement elevation. Access to the parking areas will be provided by two driveways, on the north and south side of the**

existing/proposed building. Most of the proposed impervious surfaces, as well as the existing building roof, will drain to one of three bio-retention/rain garden areas which will allow runoff to infiltrate and be treated prior to discharging to downstream areas. The proposed bio-retention areas will treat the runoff, then convey it to the existing catch basin located on the western side of Colchester Ave, where it will be conveyed to the existing system as it currently does today.

- Erosion Prevention and Sediment Control
  - Amount of earth disturbance 16,500 SF (0.38 Ac.)
- Stormwater Management Plan
  - Impervious change summary

Condition	Type	Impervious (s.f.)
Existing Conditions	Existing Impervious	3,088 SF
Proposed	Total Proposed	6,215 SF
	Net New	5,250 SF
	Existing to Remain	965 SF
	Redeveloped	0 SF