



# MEMO

To: City of Burlington  
 From: Abigail Dery, P.E.  
 Date: October 9, 2020  
 Re: 217-219 North Winooski; Stormwater and Erosion Control

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The project proposal consists of constructing a new building on the west side of the parcel at 217 North Winooski Avenue in Burlington. The parcel sits on the southwest corner of the intersection of North Winooski with Decatur and North Union Street. The lot currently consists of an existing building with parking spaces. The new building will be constructed over the rear parking area, resulting in a net increase of 435 square feet (SF) of impervious surface. Per the City of Burlington development regulations, this project is considered a Small Project for Erosion Prevention and Sediment Control as less than 5,000 SF of disturbance is proposed.

The site relatively flat and the western half of the property generally slopes to the north and west, while the eastern half slopes generally east and north. The existing building and parking areas on site have impervious surfaces totaling 3,955 SF. The proposed building will increase the overall impervious footprint to 4,390 SF total.

The site is outside the Natural Resource Conservation Service (NRCS) soil survey area due to the area being highly developed. While there is no existing stormwater treatment on-site, the site has a very low increased runoff potential and stormwater either infiltrates into the ground or overland flows to the north and west into either the catch basin near the northeast corner of the property in North Winooski Ave or the catch basin located in the rain garden bump out to the west in Decatur Street.

Proposed Erosion Prevention & Sediment Control Plan

During construction, Erosion Prevention and Sediment Control (EPSC) best management practices will be used to ensure the project does not contribute sediment to the City waterways. The project will disturb approximately 3,500 SF of ground. As the project site is very small and relatively flat, proposed EPSC practices are limited to project demarcation and silt fence. While a majority of the disturbance will be self-contained due to foundation and driveway construction, silt fence is proposed along the western and northern edges of the limits of disturbance to ensure no sediment leaves the site.

As the site is limited in size, there will be no on-site stockpiling of soil. Excavated soil will be placed directly into a truck and brought to a designated disposal site. Additionally, since the site is limited in size, construction vehicles will be parked on-site to the extent feasible, however, some vehicles will need to park within the street. There should be no impacts by this construction to the City greenbelt. Should sediment from the project be noted within the City sidewalk and or street, the sediment will be swept at the end of each day.

Due to the size and location of the project, Stormwater Management and EPSC Plans are relatively straightforward and the site should have no undue or adverse effect on the City's stormwater system or waterways.

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