

Burlington Department of Public Works

Stormwater Program

234 Penny Lane

Burlington, VT 05401

P.O. Box 878 (05402)

PH: 802-540-1748 Email: mmoir@burlingtonvt.gov



Residential (R1 & R2) Stormwater Management Plan

This questionnaire is required for single family detached dwellings or duplex properties where additional impervious surface is proposed and the total lot impervious surface area is greater than 2500 sq. ft. This form should be submitted directly to the DPW Stormwater Program above. If you need help completing this form, please contact mmoir@ci.burlington.vt.us or 540-1748 for technical assistance.

YOU MUST INCLUDE A SKETCH OR SITE PLAN OF YOUR EXISTING AND PROPOSED SITE AND INCLUDE THE EXISTING AND PROPOSED FLOW PATHS OF STORMWATER ON YOUR PROPERTY

Project Location: 451 Appletree Point Road

Impact Review: Impervious Surface Area Breakdown

<u>Type of Surface</u>	Area (sq. ft.)	
	Existing	Proposed
Total impervious surface	<u>2,949</u>	<u>3,532</u>
Change in Total impervious surface	<u>583</u>	
Connected Impervious Surfaces		
Rooftop area that drains to impervious surface and runoff reaches city street or property boundary	<u>0</u>	<u>0</u>
Driveway area that drains directly to city street or property boundary	<u>0</u>	<u>0</u>
Walkway/Patio/Deck/other area that drains to impervious surface and runoff reaches city street or property boundary	<u>0</u>	<u>0</u>
Total connected impervious	<u>0</u>	<u>0</u>
Change in total connected impervious (proposed – existing)	<u>0</u>	
Disconnected Impervious Surfaces		
Rooftop area that drains to pervious surface where runoff soaks in	<u>1,347</u>	<u>1,342</u>
Driveway area that drains to pervious surface where runoff soaks in before reaching the city street or the property boundary (or a driveway made of pervious material)	<u>1,602</u>	<u>2,050</u>
Walkway/Patio/Deck/Other area that drains to pervious surface where runoff soaks in before reaching the city street or the property boundary (or is made of pervious material)	<u>0</u>	<u>140</u>
Total disconnected impervious	<u>2,949</u>	<u>3,532</u>

Impervious surfaces are areas that prevent the infiltration of water into the ground and shall include, but not be limited to, roofs, patios, garages, storage sheds and similar structures. Impervious surfaces also include compacted dirt and gravel surfaces. Decks that allow water to seep through onto pervious surfaces can be considered disconnected.

Pervious surfaces are areas such as grass, clean gravel, pervious concrete, permeable pavers that allow water to infiltrate rather than runoff.

Change in total disconnected impervious (proposed – existing)	<u>583</u>
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Mitigation Review:

The Burlington Stormwater Program reserves the right to request that specific measures or a specified volume of stormwater runoff be mitigated based on the overall impact of connected impervious on the site.

Is this a new home (including tear down and replacement)? Yes No

If yes, complete information below and contact mmoir@ci.burlington.vt.us or 540-1748 for a required technical assistance meeting.

If no, please feel free to contact the Burlington Stormwater Program for additional technical assistance, but at a minimum, you must complete the information requested below:

How will increased stormwater runoff from any increase in impervious surface be managed to the maximum extent practicable? For information regarding these and other stormwater management practices visit:

http://www.vtwaterquality.org/stormwater/htm/sw_LID.htm

- Removal of other impervious surface balances out addition
- Installation of green roof will minimize runoff from rooftop
- Runoff from rooftops will be directed to pervious green space
- Runoff from rooftops will be directed to rain barrels* for storage and gradual release or use
- Runoff from impervious surfaces will be directed to a rain garden*
- Driveway is/will be permeable (permeable pavers, grass pavers, pervious gravel driveway)
 - Walkways is/will be permeable (permeable pavers, grass pavers, pervious gravel driveway)
 - Driveway impervious surface and connectivity has been/will be minimized with use of strip driveway (2 strips of asphalt with grass strip down middle)
- Connected Impervious surface has been minimized (please explain)
 - Runoff from driveways will sheet flow over lawn and vegetated areas prior to reaching Lake Champlain
 - Other, please attach explanation

OWNER AGREEMENT

I attest that the information above is correct to the best of my understanding and that I will install the measures I have indicated or manage the runoff in a way to minimize the amount of stormwater runoff from my property. I understand that the City has the right to inspect my property to ensure that the measures have been installed and that failure to abide by the measures above may constitute a violation of Chapter 26 and my authorization to discharge stormwater to the City Stormwater conveyance system.

By:

Al Senecal
Printed Name


Signature

3-31-15

Date

Plan Approved by: Megan J. Moir, CPESC, CPSWQ

Date: _____

* Visit www.ci.burlington.vt.us/stormwater/getinvolved for stormwater workshops and/or rebate opportunities that may assist in the installation/purchase of these stormwater management measures.

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Stormwater Management Plan Definitions

Stormwater Questionnaire Definitions:

Disconnected impervious = runoff from this type of impervious (paved, unpaved parking, roof top, driveway, walkway) that drains to a vegetated surface (pervious) and has a reasonable chance of soaking in before it gets to the property line.

- examples
 - runoff that comes off a drip line and lands on grassed surface or planting bed
 - runoff that goes to a gutter, but where the downspout drains to a vegetated area
 - runoff that goes into a rain barrel where the rain barrel is attached to a hose that is used on pervious
 - a driveway or walkway which is graded in such a way that the runoff goes off the side onto grassy area

Connected impervious = runoff from this type of impervious (paved, unpaved parking, rooftop, driveway, walkway) that drains to another impervious surface and therefore DOES NOT have a reasonable chance of soaking in before it gets to the property line.

- examples
 - runoff that comes off a drip line and lands on paved surface which drains to the roadway or City sidewalk or another property
 - runoff that goes to a gutter, but where the downspout drains to the driveway or parking area
 - a driveway or walkway which is graded (sloped) towards the City Road or sidewalk

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