

State of Rhode Island Stormwater Management Guidance for Individual Single-Family Residential Lot Development

Section 300.6 of the RI Coastal Resources Management Program (RICRMP) and Rule 7.12 of the DEM Rules and Regulations Governing the Administration of the RI Freshwater Wetlands Act require stormwater management for projects on individual single-family residential lots that create 600 square feet or more of new impervious roof surface area, and all new driveway and parking areas. This document provides guidance for meeting those requirements, and may also be used by applicants under the jurisdiction of CRMC Freshwater Wetlands in the Vicinity of the Coast.

The guidance provided in this document may not be used to meet stormwater requirements for residential subdivisions or any project types other than individual single-family residential lot development.

CRMC Application Requirements:

- Completed CRMC application (4 copies)
- 8.5 X 11 inch site plan depicting the location of all stormwater management (LID) components

DEM Application Requirements:

- Completed DEM Application package including all forms, fees and required enclosures (see DEM Rules 7.00 and either 9.00 or 10.00 as applicable)
- Ensure site plans (DEM Rule 7.03) depict the location of all stormwater management (LID) components

Residential Stormwater Management Overview

A single residential lot might not be the most obvious source of pollution problems, but behind a suburban landscape, there may be activities that can threaten water quality. Pollutants commonly present on residential lots include pesticides fertilizers used in landscaping. Other pollutants may include sediment from erosion-prone areas, yard waste such as leaves and grass clippings, pet waste and oil and gas from driveway surfaces. Even runoff from rooftops can contain pollutants known to occur in rainfall. These have the potential to be transported in stormwater to surface water bodies, posing risks to the environment and human health. While the contribution from an individual yard may seem small, the cumulative effects of stormwater runoff coming from hundreds or thousands of homes within a watershed can be significant. Reducing the amount of stormwater that leaves your property as runoff helps to prevent pollutants from reaching our streams, lakes, ponds and coastal waters.

Rule Applicability

Under RICRMP Section 300.6 and DEM Rule 7.12, applicants for individual single-family residential projects are required to treat the water quality volume, or one inch of stormwater runoff from any new rooftop impervious surfaces of 600 square feet or greater in size and all new driveways and parking areas. This guidance document describes stormwater management practices for reducing runoff volumes and pollutant levels. It also provides guidance for designing, installing and maintaining stormwater management practices that meet the requirements for new or enlarged single-family dwellings, driveways and parking areas. The practices discussed in this document are part of a stormwater management approach known as low impact development or LID. This document is meant to be used as a generalized guide to help applicants meet storm water management requirements on individual single-family residential lots. For more complex projects, and for more detailed information on the design of storm water management practices, see the most recent version of the Rhode Island Stormwater Design and Installation Standards Manual for additional information at www.dem.ri.gov/pubs/regs/regs/water/swmanual.pdf.

TOWN OF LINCOLN
CHECK LIST FOR SITE PLAN APPROVAL

For site plan approval and building permit applications

The following information is to be included on the site plans which is part of the application for building permit. Building permit can be issued only after it is ascertained that the required items on the site plan had been installed on the site.
 Note: Excavation in the Right-of-Way or in the street required an excavation permit from the Town Engineering Department.

Plan size must be 11" x 17" or 24" x 36" (single sheet preferred).....	<input type="checkbox"/>			Field check by Town
Plan scale, date, revisions (if any), legend, general notes (when required)		<input type="checkbox"/>		
Locus Map and North arrow	<input type="checkbox"/>			
Name of owner or applicant			<input type="checkbox"/>	
Name of engineer, PE stamp and signature	<input type="checkbox"/>			
Survey information, Plat, Lot, area and lot dimensions			<input type="checkbox"/>	
Survey certification sealed and signed by a registered surveyor	<input type="checkbox"/>			
Reference to approved subdivision (if applicable)			<input type="checkbox"/>	
Zoning information (setbacks, lot coverage, etc.)	<input type="checkbox"/>			
Impervious areas with dimensions and area computations			<input type="checkbox"/>	
Site plan to include the entire lot and portions of adjacent lots	<input type="checkbox"/>			
Site contours at 2' or less intervals			<input type="checkbox"/>	
Right of Way and property lines	<input type="checkbox"/>			
Existing utilities as applicable and proposed utility connections			<input type="checkbox"/>	
Location and outline of the proposed building	<input type="checkbox"/>			
Downspouts location and discharge points (or dry well location)			<input type="checkbox"/>	
Curblines, proposed or existing curb cut and driveway location and dimensions	<input type="checkbox"/>			<input type="checkbox"/>
Crushed stone construction access pad			<input type="checkbox"/>	<input type="checkbox"/>
Drainage computations sealed by a professional engineer	<input type="checkbox"/>			
Erosion and sedimentation controls (type, location and details)			<input type="checkbox"/>	<input type="checkbox"/>
Statement that the drainage design complies with the latest DEM requirements	<input type="checkbox"/>			
Sedimentation protection around existing catch basins			<input type="checkbox"/>	<input type="checkbox"/>
Wetland flagging where applicable and DEM Permit number.	<input type="checkbox"/>			
Narragansett Bay Commission sewer connection permit number			<input type="checkbox"/>	
Site plan submitted by for Plat #..... Lot #.....				
Date received.....				
Date reviewed By				
Date of site visit..... By				
Date approved..... By				
Date rejected..... By				