

Attachment 1
Authorization Letter



CITY OF BEVERLY
DEPARTMENT OF PUBLIC SERVICES AND ENGINEERING

191 Cabot Street
Beverly, Massachusetts 01915
978-605-2355
978-921-6003 facsimile

Michael P. Collins, P.E.
Commissioner of Public Services and Engineering

Robert Dever
Project Coordinator

Eric Barber, P.E.
City Engineer

May 22, 2019

MEMO TO FILE

Re: Documentation for Delegation of "Authorized Representative" for NPDES 2016
Massachusetts Small Municipal Separate Storm Sewer System (MS4) General Permit

This document serves to affirm that Roland Adams has responsibility for the operation of the MS4 and is hereby designated as an authorized person for signing all reports, including but not limited to the Stormwater Management Plan (SWMP), Stormwater Pollution Prevention Plans (SWPPPs), inspection reports, annual reports, monitoring reports, reports on training, and other information required by the General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) in Massachusetts for the City of Beverly. This authorization cannot be used for signing a NPDES permit application (e.g., Notice of Intent (NOI)) in accordance with 40 CFR 122.22).

By signing this authorization, I confirm that I meet the following requirements to make such a designation as set forth in Part B.11 of Appendix B of the Small MS4 General Permit:

For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Michael P. Cahill
Mayor

5/29/19
Date

Attachment 2
Endangered Species and Historic
Properties



United States Department of the Interior



FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial St, Suite 300
Concord, NH 03301-5087
<http://www.fws.gov/newengland>

September 24, 2018

To whom it may concern:

The U.S. Fish and Wildlife Service (USFWS) reviewed the stormwater discharge activities associated with the 2016 National Pollutant Discharge and Elimination System (NPDES) Massachusetts (MA) Small Municipal Separate Storm Sewer System (MS4) general permit (MA MS4 General Permit) issued by the Environmental Protection Agency (EPA). We determined those activities may affect, but are not likely to adversely affect, certain species listed under the Endangered Species Act (ESA) of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) when specific conditions are met. When these conditions are met, we do not need to review individual projects. These comments are provided in accordance with section 7 of the ESA and complement existing 2016 MA MS4 General Permit Appendix C Guidance. We understand the applicant is acting as a non-Federal representative of the EPA for the purpose of consultation under section 7. **This letter provides additional guidance for meeting Criterion B and should be submitted as part of your application package to the EPA.**

If the USFWS Information for Planning and Consultation website (<https://ecos.fws.gov/ipac/>) indicates your MA MS4 General Permit project action area may contain one or more of the following federally listed endangered species: roseate tern (*Sterna dougallii*), northern red-bellied cooter (*Pseudemys rubriventris*), dwarf wedgemussel (*Alasmidonta heterodon*), rusty patched bumble bee (*Bombus affinis*), northeastern bulrush (*Scirpus ancistrochaetus*), or American chaffseed (*Schwalbea americana*); threatened species: piping plover (*Charadrius melodus*), bog turtle (*Glyptemys muhlenbergii*), Puritan tiger beetle (*Cicindela puritana*), northeastern beach tiger beetle (*Cicindela dorsalis*), or red knot (*Calidris canutus rufa*); or their federally designated critical habitat; and the specific conditions listed below are met, you may submit this letter to complete the **MA MS4 General Permit Appendix C: Step 4** in place of a concurrence letter for informal consultation as documentation of ESA eligibility for **USFWS Criterion B**.

In addition, this letter also satisfies the requirement in the **MA MS4 General Permit Appendix C: Step 2 (3)** to contact the USFWS and obtain a concurrence letter, if you have not yet done so. If your project action area includes one or more of the above-listed species *and* one or more of the

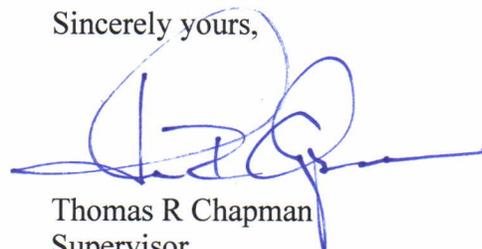
species listed under **Criterion C**,¹ you may still use this letter to certify under **Criterion B**. All existing guidance regarding requirements for certifying eligibility according to the USFWS Criterion A, B, or C for coverage by the 2016 MS4 Permit (see MA MS4 General Permit Appendix C – Endangered Species Guidance) remains unchanged.

We have determined that proposed stormwater discharge activities covered under the 2016 MS4 Permit *may affect, but are not likely to adversely affect*, the above-listed species and the species' critical habitat when the following are true:

1. all stormwater discharges are pre-existing or previously permitted by EPA;
2. any planned operations and maintenance work covered by this permit will only affect previously disturbed areas where stormwater controls are already installed. In these situations the chance of encountering any of the subject species is discountable;
3. the project implements EPA MS4 Best Management Practices (BMPs) and meets Clean Water Act and Massachusetts Water Quality Standards. Although permitted discharges may reach the environment used by these species, BMPs reduce pollutants to the extent that discharges are not known to have measurable impacts on these species or their habitat;
4. no new construction or structural BMPs are proposed under this permit at this time; and
5. you agree that if, during the course of the permit term, you plan to install a structural BMP not identified in the Notice of Intent (NOI), you will re-initiate consultation with the USFWS as necessary (see **MA MS4 General Permit Appendix C: Step 2 (5)**).

If the above criteria are met, further consultation with the USFWS under section 7 of the ESA is not required at this time; however, if the proposed action changes in any way such that it may affect a listed species in a manner not previously analyzed or if new information reveals the presence of additional listed species that may be affected by the project, the applicant or the EPA should contact us immediately and suspend activities that may affect those species until the appropriate level of consultation is completed with our office. Thank you for your cooperation, and please contact David Simmons of this office at (603) 227-6425 if you have questions or need further assistance.

Sincerely yours,



Thomas R Chapman
Supervisor
New England Field Office

¹ Criterion C includes guidance for project action areas that may contain species for which EPA has already made a determination. These species include the northern long-eared bat (*Myotis septentrionalis*), sandplain gerardia (*Agalinis acuta*), small whorled pogonia (*Isotria medeoloides*), and/or American burying beetle (*Nicrophorus americanus*) (MA MS4 General Permit Appendix C: Step 3 – Determine if You Can Meet Eligibility USFWS Criterion C).

Part IV: Notes and additional information

Use the space below to indicate the part(s) of 2.2.1 and 2.2.2 that you have identified as not applicable to your MS4 because you do not discharge to the impaired water body or a tributary to an impaired water body due to nitrogen or phosphorus. Provide all supporting documentation below or attach additional documents if necessary. Also, provide any additional information about your MS4 program below.

The City is an existing facility that was authorized by the previous permit. There are not planned activities that will affect historic properties. Therefore, this facility is eligible for coverage under Criterion A for determination of coverage under the National Historic Preservation Act (NHPA).

Attachment 3
Greenscapes North Shore Coalition
Documents

GREENSCAPES NORTH SHORE COALITION

MCM 1: Public Education and Outreach - NOI FORM

* All literature and media will be available online at www.greenscapes.org and can be shared with member communities at any time.

** Community can decide how to address Greenscapes' involvement. They may choose to list GS as an external contractor, or can list whomever in their town GS communicated with for each BMP, respectively.

BMP Media/ Category	BMP Description*	Targeted Audience	Responsible Parties/ Depts**	Measurable Goal	Implementation Year
Brochure/ Pamphlets	Brochure will consist of a 'how-to-guide' for residents on how rain gardens work and how to install them at their home.	Residents	Greenscapes North Shore Coalition	- Number distributed - Resident testimonials	2018 (Fall)
Brochure/ Pamphlets	An updated version of comprehensive literature, discussing the importance of "greenscaping", small-scale stormwater management practices, sewer/septic system maintenance and other ways to avoid illicit discharge.	Residents	Greenscapes North Shore Coalition	- Number distributed - Resident testimonials	2019 (Spring)
Workshop/ Info Sheet	Workshop and associated literature will cover LID options for reducing runoff and promoting on-site infiltration. Pricing, maintenance and ordinances will also be discussed.	Developers (Construction)	Greenscapes North Shore Coalition and <i>municipal entity</i>	- Number of attendees - Increase in LID use	2019 (Winter)
Displays/ Posters/ Kiosks	Informational poster will be placed in area with heavy dog/walker traffic. Poster will describe proper pet waste management and disposal.	Residents	Greenscapes North Shore Coalition	- Pilot surveys may be conducted before and after message posting	2019 (Spring)
Brochure/ Pamphlets	Pet Waste literature is available in two forms (one page info sheet or rack card) and can be redistributed as necessary.	Residents	Greenscapes North Shore Coalition	- Number distributed - Resident testimonials	2018
Social Media Post	Greenscapes will provide content for a social media "blast" on town Facebooks etc. Ex. Autumnal facebook post describing proper disposal of leaf collection, and springtime post about proper lawn/fertilizer maintenance.	Residents	Greenscapes North Shore Coalition and <i>municipal entity</i>	- Number of views/ likes/ comments - Resident testimonials before and after posting	2018
School Curriculae/ Programs	<i>Elementary School Name</i> will host Greenscapes "Keeping Water Clean" Program.	Residents	Greenscapes North Shore Coalition	- Number of students/ teachers/ volunteers in attendance - Subset of students evaluated before and after program	2018
Brochure/ Pamphlets	Brochure will include general info on LIDs that can assist in stormwater management and pollution prevention. Content will be targeted to "environmental contacts" at industrial facilities, or property managers where applicable.	Industrial Facilities	Greenscapes North Shore Coalition	- Number distributed - Phone call followup	FY2020
Workshop	Stormwater presentation will discuss specific BMPs for parking lots; how to reduce impervious surfaces, and maintain the space more sustainably.	Businesses/ Institutions and Commercial Facilities	Greenscapes North Shore Coalition and <i>municipal entity</i>	- Number of attendees - Number of presentations re-distributed to commercial representatives.	FY2020
Displays/ Posters/ Kiosks	An updated version of informational display, discussing the importance of "greenscaping", small-scale stormwater management practices, sewer/septic system maintenance and other ways to avoid illicit discharge.	Residents	Greenscapes North Shore Coalition	- Number distributed - Resident testimonials	FY2020
Brochure/ Pamphlets	Pet Waste literature is available in two forms (one page info sheet or rack card) and can be redistributed as necessary.	Residents	Greenscapes North Shore Coalition	- Number distributed - Resident testimonials	FY2020
Social Media Post	Greenscapes will provide content for a social media "blast" on town Facebooks etc. Ex. Autumnal facebook post describing proper disposal of leaf collection, and springtime post about proper lawn/fertilizer maintenance.	Residents	Greenscapes North Shore Coalition and <i>municipal entity</i>	- Number of views/ likes/ comments - Resident testimonials before and after posting	FY2020
School Curriculae/ Programs	<i>Elementary School Name</i> will host Greenscapes "Keeping Water Clean" Presentation.	Residents	Greenscapes North Shore Coalition	- Number of students/ teachers/ volunteers in attendance - Subset of students evaluated before and after program	FY2020

Workshop	Workshop and literature will go into greater detail, following the workshop regarding low impact development held in year one. City ordinances and associated incentives will be outlined.	Developers (Construction)	Greenscapes North Shore Coalition and <i>municipal entity</i>	- Number of attendees	FY2021
Web Page	Story Map will outline and describe different examples of existing low-impact-developments in the North Shore Community.	Residents	Greenscapes North Shore Coalition	- Number of map views - Resident testimonials on LID awareness	FY2021
Brochure/ Pamphlets	Pet Waste literature is available in two forms (one page info sheet or rack card) and can be redistributed as necessary.	Residents	Greenscapes North Shore Coalition	- Number distributed - Resident testimonials	FY2021
Social Media Post	Greenscapes will provide content for a social media "blast" on town Facebooks etc. Ex. Autumnal facebook post describing proper disposal of leaf collection, and springtime post about proper lawn/fertilizer maintenance.	Residents	Greenscapes North Shore Coalition and <i>municipal entity</i>	- Number of views/ likes/ comments - Resident testimonials before and after posting	FY2021
School Curriculae/ Programs	<i>Elementary School Name</i> will host Greenscapes "Keeping Water Clean" Program.	Residents	Greenscapes North Shore Coalition	- Number of students/ teachers/ volunteers in attendance - Subset of students evaluated before and after program	FY2021
Meeting/ Presentation	Presentation will discuss proper "greenscaping" practices on a business/commercial level. Content will be targeted to property managers and will include sand/salt storage and landscape management.	Businesses/ Institutions and Commercial Facilities	Greenscapes North Shore Coalition and <i>municipal entity</i>	- Number of attendees	FY2022
Meeting/ Presentation	Presentation will discuss proper "greenscaping" practices on an industrial level. Content will be targeted to property managers and will include sand/salt storage and landscape management.	Industrial Facilities	Greenscapes North Shore Coalition and <i>municipal entity</i>	- Number of attendees	FY2022
Brochure/ Pamphlets	"What not to Flush" rack card will raise resident awareness of the damages of flushing things like wipes and grease in their toilets/sinks.	Residents	Greenscapes North Shore Coalition	- Number distributed - Resident testimonials	FY2022
Brochure/ Pamphlets	Pet Waste literature is available in two forms (one page info sheet or rack card) and can be redistributed as necessary.	Residents	Greenscapes North Shore Coalition	- Number distributed - Resident testimonials	FY2022
Social Media Post	Greenscapes will provide content for a social media "blast" on town Facebooks etc. Ex. Autumnal facebook post describing proper disposal of leaf collection, and springtime post about proper lawn/fertilizer maintenance.	Residents	Greenscapes North Shore Coalition and <i>municipal entity</i>	- Number of views/ likes/ comments - Resident testimonials before and after posting	FY2022
School Curriculae/ Programs	<i>Elementary School Name</i> will host Greenscapes "Keeping Water Clean" Program.	Residents	Greenscapes North Shore Coalition	- Number of students/ teachers/ volunteers in attendance - Subset of students evaluated before and after program	FY2022
Meeting/ Presentation	Greenscapes NS will conduct a "Greenscapes 101" presentation for residents at <i>site of community's choosing</i> . Presentation will discuss the importance of clean and plentiful water.	Residents	Greenscapes North Shore Coalition	- Number of attendees - Resident testimonials	FY2023
Special Events/ Festivals/ Fairs	Greenscapes representatives will attend a trade show expo, with the intent of sharing "Greenscaping" practices and the importance of LIDs with Landscapers and Developers.	Developers (Construction)	Greenscapes North Shore Coalition	- Number of materials distributed - Number of contacts made - Developer testimonials	FY2023
Brochure/ Pamphlets	Pet Waste literature is available in two forms (one page info sheet or rack card) and can be redistributed as necessary.	Residents	Greenscapes North Shore Coalition	- Number distributed - Resident testimonials	FY2023
Social Media Post	Greenscapes will provide content for a social media "blast" on town Facebooks etc. Ex. Autumnal facebook post describing proper disposal of leaf collection, and springtime post about proper lawn/fertilizer maintenance.	Residents	Greenscapes North Shore Coalition and <i>municipal entity</i>	- Number of views/ likes/ comments - Resident testimonials before and after posting	FY2023
School Curriculae/ Programs	<i>Elementary School Name</i> will host Greenscapes "Keeping Water Clean" Program.	Residents	Greenscapes North Shore Coalition	- Number of students/ teachers/ volunteers in attendance - Subset of students evaluated before and after program	FY2023

Scoop it!



Scoop the Poop— Whenever and Wherever

...even in your own yard,
...even in the woods or remote locations,
...even in the snow,
...even if you have a small dog.

- **Always bring bags**
Be prepared, bring more than one.
- **Always put filled bags in trash cans!**
Even bio-degradable bags.
- **Never put dog waste into a storm drain!**
Storm drains flow directly into our local waters — they are not connected to the sanitary sewer.
- **Never leave bags of poop**
by the side of the road, in bushes, or lying around.

**Scooping Poop is not just about
the mess – it's about
clean water and our health!**

www.greenskapes.org

We poop.
You pick it up.
Any questions?



Did you know? Unscoped poop pollutes our water!

Doggy doo has twice as much bacteria as human waste!

Rain washes the bacteria into the nearest river. It ends up in the ocean.

Kids are most affected! Symptoms are flu-like, vomiting, diarrhea, ear infections, rashes, fever.

All dogs pollute, even small dogs! Consider this:

A 40 lb. dog produces 7.8 billion fecal coliform bacteria per day!

Giardia, Salmonella, and Campylobacter are some of the parasites, viruses and bacteria in doggy poop that can be transmitted to humans.



www.greenskapes.org

Produced by Greenscapes Massachusetts Coalition:
Ipswich River Watershed Association
MVPC/8 Towns and the Great Marsh
North & South Rivers Watershed Association
Salem Sound Coastwatch



MS4, a federal-state permit program, requires cities and towns to reduce polluted stormwater runoff by:

- Educating residents, businesses and developers
- Testing water exiting pipes
- Controlling construction site discharge
- Retaining or treating runoff from development
- Ensuring that streets and catch basins are clean
- Developing a stormwater management plan to improve operation and maintenance

What will MS4 accomplish?

- Leaks and illegal sewer and stormwater connections fixed
- Cleaner water for our rivers, ponds and their wildlife inhabitants
- Healthier places for swimming, boating and fishing

What can I do?

- Support spending on stormwater and sewer systems
- Pick up pet waste; ask for more pet waste stations
- Eliminate chemical pesticides and fertilizers
- Don't dump dirty water or oil into storm drains—ever
- Install rain barrels; use water before it reaches the ground
- Learn where rainwater goes after it hits the street
- Learn about low-impact development and green infrastructure—check out Greenscapes.org



Produced by Greenscapes North Shore Coalition

Ipswich River Watershed Association, Merrimack River Watershed Council, MVPC/8 Towns and the Great Marsh, Salem Sound Coastwatch

Providing cost savings by bringing regional public education and outreach to your community

Rain and
snow are
clean...



...right?

Until they hit the ground.



**Polluted stormwater
is the #1 threat to our water.**

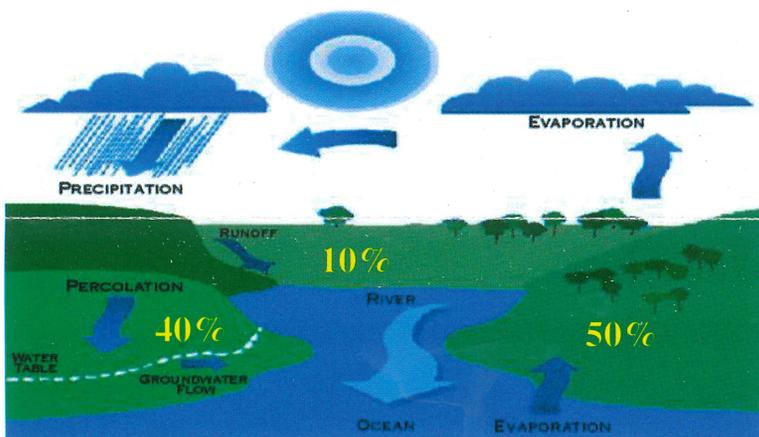
storm water: noun

Def: Rain and snow, not absorbed by plants and soil, that travels across land to the nearest waterbody

Question: It has always rained. Why do I keep hearing stormwater is such a problem now?

Answer: As we build more to accommodate a growing population and cover the soil with impervious surfaces (parking lots, roads, buildings, etc.) a great deal of rain water can no longer be absorbed into the soil the way it once was. Water that used to soak into the soil was actually cleansed by plant roots filtering pollutants. Now most of the rain and snow runs off, ending up in our lakes, streams and ocean. In short, we have been dramatically altering the water cycle as we change the landscape. *Where once only 10% of the rain ran off the land, now 60-90% does - carrying toxic pollutants on the land with it!*

NATURAL WATER CYCLE



MAN-MADE WATER CYCLE

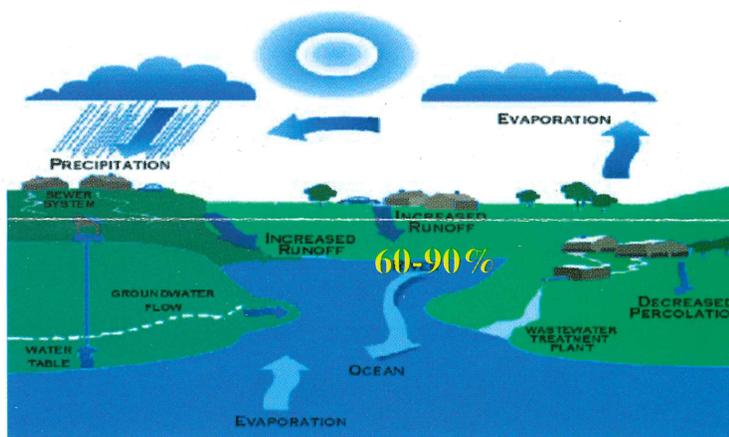


Image provided by Charles River Watershed Association

Question: Is stormwater runoff harmful?

Answer: Yes! Just about anything that has been deposited on the land, such as pet waste, cigarette butts, fertilizers, pesticides, plastic, automobile oil and gas can wash into our drinking water supply, favorite swimming hole or beach. The reason beaches have to close so often after a big rain storm is that stormwater runoff is often full of bacteria.

Question: Doesn't stormwater go to the sewage treatment plant via street storm drains and get treatment there?

Answer: No. Water goes to the nearest waterbody. Storm drains can offer some degree of treatment, but they are often not maintained or cleaned properly.

 www.Greenscapes.org
This information is brought to you by the Massachusetts Greenscapes™ Coalition and your town





Stormwater might as well be called HYDROFILTH. Here's why...

- Pathogens, heavy metals, pesticides, salts, oil, common litter end up in our water.
- The "first flush" - the first inch - of rainfall washes 90% of the pollutants off the land into our waterbodies.
- Parking lots, roads, buildings (impervious surfaces) keep water from soaking into the soil and drastically affect water quality - 12-20% impervious surface coverage can threaten water quality.
- Lawns can generate up to 90% as much runoff as pavement when soils are compacted by lawn equipment or lawn chemicals which can deplete the microbial activity in the soil.

So how can I help prevent stormwater runoff (HYDROFILTH)?

In your yard:

- Add compost to your soil and aerate to reduce soil compaction.
- Add trees, shrubs and 'natural' areas to your property - the roots are efficient water recyclers.
- Plant a raingarden to capture water so it soaks into the soil.
- Use permeable pavers and porous asphalt to build walks and driveways.

In your town:

- Support open space protection especially near waterbodies.
- Advocate zoning/building regulations that encourage less pavement and other impervious surfaces.
- Support your town's efforts to clean storm drains, sweep the streets and build an effective stormwater infrastructure.



Visit greenscapes.org to learn more...



Stormwater is the #1 source of water pollution in Massachusetts - Reducing impervious surfaces is the best solution!

LET'S GET STARTED...

1. SELECT YOUR SITE

Explore your yard. Where does water naturally flow or collect? Avoid soggy areas, and instead try to capture the water before it reaches the wettest places in your yard. Keep the site at least 10 feet from building foundations and downspouts, and 3 feet from sidewalks or driveways.** Refer to START DIGGING Step for other yard obstacles you'll need to avoid **

2. CHECK YOUR SOIL

To ensure that your garden will drain well enough to provide a healthy habitat for your plants, you need to know more about your soil.

Dig a hole about 6" deep, 3-4" wide, and fill it with water. After a few hours, come back and fill it up again. After one hour, determine how much lower the water level is. If it has gone down 1.5" or more, the soil is sandy - you're good to go! If it has gone down less than 1.5", the soil is rich in clay or silt. In this case, there are several things you can do to prepare your site :

- 💧 Add a layer of gravel to the bottom of your site
- 💧 Add sand or coarser soils to your soil mixture
- 💧 All gardens will benefit from adding some compost to the mixture; the boost of nutrients will help your plants get established.

3. DETERMINE GARDEN SIZE

Time for a little math. To find the ideal size for your garden, you need to determine how much water will be flowing into it.

💧 **DRAINAGE AREA** Identify the impervious upstream areas that will drain into your garden. These include driveways, parking lots, sidewalks and roofs. Calculate the surface area (length x width) of each and add them together.

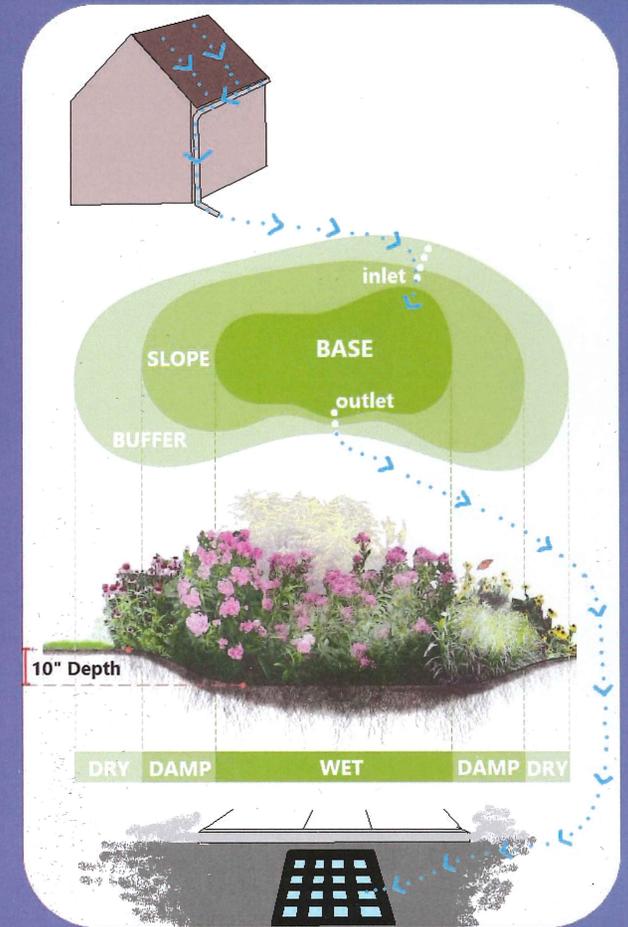
💧 **GARDEN AREA** Divide the total surface area by the garden depth of 8 - 10 inches. This will capture more than 90% of the runoff produced by an inch of rain.

$$\text{Area} = [\text{Surface 1} + \text{Surface 2} + \dots] \div \text{Depth}$$
$$\text{Example} = [(\text{ROOF}) + (\text{DRIVEWAY})] \div 10 \text{ inches}$$
$$= [(20 \text{ ft} \times 20 \text{ ft}) + (20 \text{ ft} \times 10 \text{ ft})] \div 10 \text{ in}$$

Rain Garden Area = 60 square feet!

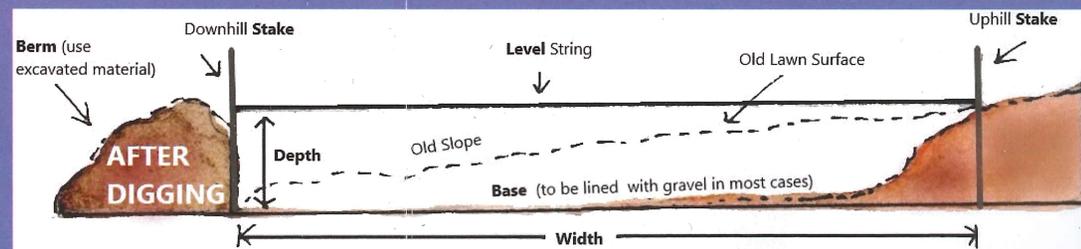
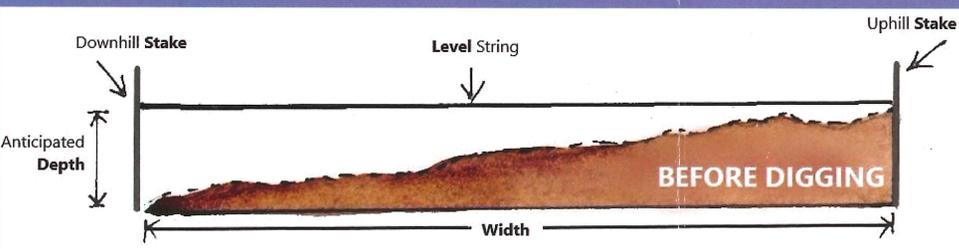
4. START DIGGING

Now that you know how big your garden needs to be, you're ready to start digging. You'll need to avoid the root zones of trees, and to stay clear of your septic tank and any other utility lines buried in your yard. Call dig-safe at: (888) 344-7233 for help locating your utilities. Is your home in close proximity to a wetland? If so, contact your Conservation Commission for advice on how to safely proceed.



5. TIME TO PLANT!

When preparing your garden, try not to walk on the mixed soil, to avoid compaction. After planting, give your garden a generous drink of water. Once established, native plants require little maintenance. Their root systems thrive under local soil conditions. Check the back of this brochure and www.greenscapes.org for suggested plants.



WHAT IS A RAIN GARDEN?

A rain garden is a selection of plants growing in a shallow depression, generally formed on an existing slope. It is designed to temporarily hold and soak up rain water that flows off of roofs, driveways, patios or lawns. They are a simple, cost-effective tool that homeowners, municipalities or others can use to:

- 💧 **Create Beautiful, New Outdoor Space**
- 💧 **Enhance Habitat for Native Plants and Animals**
- 💧 **Reduce Flooding in Streets and Basements**
- 💧 **Recharge Essential Groundwater Resources**
The water held in a rain garden should infiltrate within 48 hours, preventing the garden from becoming home to mosquitoes.
- 💧 **Trap, Filter and Remove Pollutants**
Things such as oil, grease, pet waste and fertilizer that get swept from paved areas into storm drains, and eventually our rivers, streams and oceans.

Installing a rain garden can be a rewarding project!

TOOL LIST

- Shovels
- Rakes
- Gloves
- Wheelbarrow
- Measuring Tape
- Level
- Hammers
- Stakes
- String
- Calculator
- Gravel
- Compost
- Mulch

CHOOSE YOUR PLANTS

The following list is just a handful of plants, native to New England that could thrive in your garden.



Butterfly Milkweed *Asclepias Tuberosa*
Perennial
Prefers dry to damp soil (slope/berm)
Prefers full sun



Moonbeam Coreopsis *Coreopsis Verticillata*
Perennial
Prefers wet soil (base/center)
Prefers partial sun or full shade



Wild Geranium *Geranium Maculatum*
Perennial
Prefers damp to wet soil (slope)
Prefers partial sun or full shade



Scarlet Bee Balm *Monarda Didyma*
Perennial
Tolerates most soil moisture levels
Prefers partial to full sun



Purple Coneflower *Echinacea Purpurea*
Perennial
Prefers dry to damp soil (slope/berm)
Prefers partial to full sun



Tall Switchgrass *Panicum Virgatum*
Grass
Tolerates most soil moisture levels
Prefers partial to full sun



American Cranberry *Viburnum Trilobum*
Shrub
Tolerates most soil moisture levels
Prefers partial to full sun



Bayberry Bush
Shrub
Prefers damp to dry soil (slope/berm)
Prefers partial to full sun

For more information and resources
visit www.greenscapes.org

GREENSCAPES

RAIN GARDENS