TOWN OF FREEDOM FREEDOM, NH 03836

ZONING-BUILDING PACKET

ZONING OFFICER/BUILDING INSPECTOR: GARY WILLIAMS OFFICE HOURS: BY APPOINTMENT OFFICE PHONE: 539-6323

CELL PHONE: 986-0486

Email: freedomzoning@gmail.com

GENERAL INSTRUCTIONS

Important: Read carefully before filling out and submitting an application.

All appropriate sections of the attached form must be completely filled out. The form is provides information you need as well as references to applicable sections of the Freedom Zoning Ordinance.

The zoning officer cannot act on this application unless you include:

- Include a signed or stamped "Local Approval for construction of an individual sewage disposal system." (Zoning ordinance section 2302.3)
- If the property is located on a town road, include the two page, approved "*Driveway Permit*" signed by the Road Agent. If there is not an approved driveway permit on file, the applicant must file an application and obtain a current approval. (Zoning ordinance section 805)
- If the property is located on a state road, include a state-approved driveway permit. (Zoning ordinance section 805) Find the application at:
 - https://www.nh.gov/dot/org/operations/highwaymaintenance/documents/ DrivewayPermitFormHandWrittenEntries.pdf

MAIL OR DELIVER The completed application to the Zoning Officer at the town of Freedom. You can mail it or leave it in the mail slot in the foyer of the town office. Please note, it may take up to 30 days to approve or deny a zoning application.

TOWN OF FREEDOM ZONING PERMIT APPLICATION

Owner	Date:	
Permanent Address: Pho	one #	
E-mail Address: Cel		
Property Information		
Property Address:	Phone:	
Map# Lot# Lot Size (acres) Zoning Dis		
You can find the first 3 items on your tax bill. Check zoning district with zoni		
Is this property non-conforming by area? (Section 803)	Y	es No
Zoning District Min. Lot Size Zoning District	Min. Lot Size	
Village Residential (VR) 1 acre Residential/Light Commercial (R/LC)	5 acres	
General Residential (GR) 2 acres Shorefront GR	2 acres	
Rural Residential (RR) 1 acre Shorefront RR	1 acre	
Does the property have town water or a private well?		
What class road does the property border on?		
See page 10 for a list of town roads to find this information.		
Are there any easements or rights of way on the property?		Yes No
Does this property lot have a tax exemption because part/all acreage is in cu		
If there are prior zoning applications concerning the property, include the applications concerning the property include the applications are prior zoning applications.		
Is this property on a corner—i.e., borders on two different streets? (Section	803)	Yes No
Are there wet areas or wetlands on the property? (Section 403 to 306, Article		
Is the property 0.5 acres or less? Section 310.1.7		
Is the property in the floodplain? See Floodplain Ordinance		

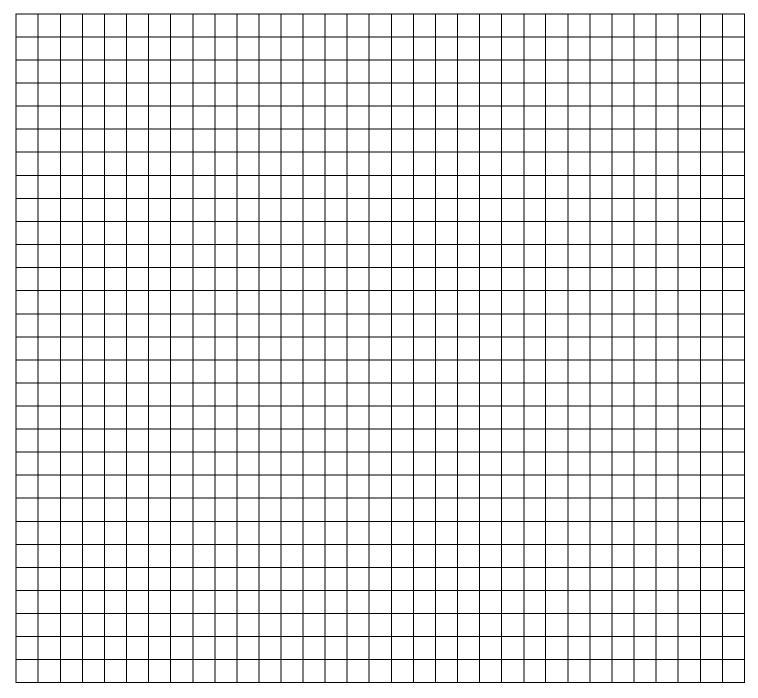
Will the height of a	ny structures he alta	ered? Section 308 3 1		•	Yec N
Will the height of any structures be altered? Section 308.3.1					
-			_	<u> </u>	
		ing structure? By wl			Yes N
		ng requirements? Sec			
If the proposed build	ding a manufacture	d home, does it meet	the requirements	? Section 1107`	Yes N
See table of stream	ams on page 13.	ent plan. (See pages 14		`	Yes N
•		site to an abutter's paplan (See pages 14-18)		oad (Section 602-3	3)_Ye
Present and Propo	sed Construction				
		e a surveyed plot plan select your tax map,	• •		ata.
Lot road frontage: _	Left boundar	y: Right bound	dary: Rear	boundary:	
measurements. (Tab	les 304.1 to 304.6)	ntly on your property			
	` ` `	Right boundary		Rear boundar	y
Required setback	50 feet	30 feet	30 feet	40 feet Shorefront 75 fe	eet
What are the setback			T C 1 1	D 1 1	
Building name Required setback	Front (on road) 50 feet	Right boundary 30 feet	30 feet	Rear boundary 40 feet	<u>y</u>
Required setback	30 feet	50 feet	30 feet	Shorefront 75 fee	t
		he shorefront distri			
		f reference line? Tab			
		? Section 304.6			
	ting within 75'? Sec	tion 304.6.3	tion 304 6 5		Yes N
Is there any tree cut	ang wiumi /J : St	201011 703.4 and Sec		5 6 5 2	Yes N
Is there any tree cutt	beyond 75' with a	grade of 12.5% or gr	eater7 Section 30	1.(). 1. 7	
Is there any tree cutting Is there tree cutting	beyond 75' with a				
Is there any tree cutting Is there tree cutting IDo the impervious su Is any State shoreland	beyond 75' with a garfaces on the lot exa and approval needed	ceed 25%? Section 70)4		Yes N Yes N

PLOT PLAN

Date:			
Map	_Lot	Property Address:	
Owner Name((s):		Phone:

In the space below draw (to scale)

- 1. The boundaries and shape of your lot and mark the boundary distances
- 2. Show all present and proposed buildings in their correct location and indicate dimensions (in feet). Orient your drawing so the road is at the bottom of the diagram. A survey of your property may be required as part of this application.



SIGNATURES

The undersigned owner hereby requests a zoning permit for the above use, to be issued based on the representations contained herein. Permit is void in the event of misrepresentation and/or not being in compliance with the zoning ordinance, site plan review, subdivision regulations (if applicable) and other applicable state and town laws and regulations. Construction is not authorized until a building permit is issued. By signing below, owner acknowledges and allows access to property for inspection regarding this proposed work.

This application must be submitted by and signed by all ov	wners of the property listed on this application.
Signature	Date
Print name	
Property owner	
Signature	Date
Print name	
Property owner	
Signature	Date
Print name	
Property owner	
Signature	Date
Print name	
Property owner	
If you are using an agent for this application, provide the	information below:
Designation o	f agent
I designate the person listed below as my agent for the purp proposed work as described herein. Representations made by personally, and I understand that I am bound by any office	y my agent may be accepted as though made by me
Agent	Telephone #
Address	
Owner's signature	

Map	Lot			

Zoning Officer Decision

The zoning officer is required to deny an application under Section 2303, if:

- The application is for a use that requires a special exception
- The application requires a variance

Only the ZBA is the body that can grant either of the above.

If the zoning officer denies the application, the applicant may appeal this decision to the Zoning Board of Adjustment. Please use the Zoning Board Application found on the town's website, www.townoffreedom.net.

ZBA Tips:

- Application and Appointment of Agent Form must be completed and signed by all owners of the property.
- Abutter letters go directly to ZBA at PO Box 227, Freedom, NH 03836
- The applicant is responsible to fulfill all requirements from the ZBA and provide the necessary information. The applicant is responsible for reading the regulations. The Zoning Officer's role is to help the applicant complete the application if the applicant requests help.
- To be considered by the ZBA, an application must be significantly different from a previous application which the ZBA has previously denied.
- If the ZBA approves the special exception or variance, the application will come back to the zoning officer for action. The zoning officer will determine that the applicant has met all conditions imposed by the ZBA and sign below.
- The ZBA approval can be appealed within 30 days of the decision.

Once the zoning officer has signed the application, it can go to the Building Department.

FOR USE IF THE APPLICANT'S ORIGINAL APPLICATION IS DENIED AND THE ZBA HAS APPROVED THE PROPOSED PROJECT

Approval below signifies that the applicant has submitted proof that they have met all conditions listed by the zoning board of adjustment.

Approved	Date	Zoning Officer	
		_	
Per ZBA de	cision dated:		



TOWN OF FREEDOM **APPLICATION FOR BUILDING PERMIT**

Tax Map #	_Lot #
Application Date	
Permit #	Fee:
By	

	ation				
Owner				Date:	
Permanent Addr	ess:			Phone #	
E-mail Address:				Cell#	
. Property Infor	mation				
Property Address	s:				
Map#	Lot#	Lot Size (acres))	Phone	
		Date		# of Bedrooms	
. Contractor/Buil	der Name:		Company	/:	
Address:			State/Zip	Phone	
. Reason for Per	mit \square New St	ructure Additi	ion Remod	el Alteration	□ Change of Use
□ Res □ Comr	n □ Ind Type	of Business		Гуре of Mfg	
# Of Stories	Frame	□ Metal □ Maso	onry Other		
Size of Building	; Width		Length		
	Basement	Exterior Walls	Insulation	Interior finish	<u>Heating</u>
Foundation			□ Dlankat	□ Drywall	= Electric
	□ Full	□ T-111	□ Dialiket	= Dij wan	□ Electric
□ Concrete		□ T-111 □ Clapboard		-	
□ Concrete □ Cement Bloc	ck Finished		□ Wall Roof	□ Paneling	□ Oil
□ Concrete □ Cement Bloc	ck Finished	□ Clapboard	□ Wall Roof	□ Paneling □ Other	□ Oil □ Wood*
□ Concrete □ Cement Bloc □ Other hereby agree to coolain ordinance, state collution permits (see	ck Finished Other	□ Clapboard □ Other vn subdivision regulation act, selectmen's ailding codes and any	□ Wall Roof □ Other lations, Freedom town road specify other requiremented cost of consti	□ Paneling □ Other *Fire Depa n growth managementications, fire codes, sents in effect in the terms.	□ Oil □ Wood* rtment Permit Require ent regulation, flood state air and water own of Freedom.
Concrete Cement Bloc Other hereby agree to coolain ordinance, state collution permits (see	ck Finished Other	□ Clapboard □ Other vn subdivision regulation act, selectmen's adding codes and any oury that the estimate	□ Wall Roof □ Other lations, Freedom town road specify other requiremented cost of constru—	□ Paneling □ Other *Fire Depa n growth managementations, fire codes, sents in effect in the truction, alteration, or	□ Oil □ Wood* rtment Permit Require ent regulation, flood state air and water own of Freedom.

TOWN OF FREEDOM PERMIT FEESCHEDULE

1. NEW CONSTRUCTION – ADDITIONS- RESIDENTIAL DWELLING• MODULAR HOMES

35 cents per square foot of floor space MINIMUM \$50.00

2. ACCESSORY BUILDINGS, COMMERCIAL, INDUSTRIAL, GARAGES, SHEDS, UTILITY BUILDING AND DECKS

35 cents per square foot of floor space MINIMUM \$50.00

3. FOR ALTERATIONS OR REPAIRS TO DWELLINGS, SHEDS, GARAGES, DECKS, ETC.

\$5.00 per one thousand dollars of construction MINIMUM \$50.00

4. NEW CONSTRUCTION-AGRICULTURE, SCHOOLS, CHURCHES, HOSPITALS

\$3.00 per one thousand dollars of construction MINIMUM \$50.00

5. FOR ALTERATIONS, RENOVATIONS, ADDITIONS IN BUILDINGS LISTED IN #4

\$3.00 per one thousand dollars of construction MINIMUM \$50.00

6. MECHANICAL PERMITS - ELECTRICAL, PLUMBING, GAS PIPING / MECHANICAL

\$60.00 (up to 5,000 square feet) \$120.00 (5,001-10,000 square feet) \$180.00 (over 10,001 square feet)

7. MISCELLANEOUS

- A. Mobile Homes \$50.00
- B. Swimming Pools \$50.00

In ground

Above ground

A building permit is void if operations are not begun within 12 months from the date of issuance.

Renewals done within 14 days of the expiration date shall be \$50.00. Renewals done after the expiration date shall be done at \$5.00 per thousand of remaining construction costs.

Building Code Requirements

- All building permits require a zoning permit prior to the issuance of the permit.
- Building permits must be posted in conspicuous place on construction board.
- A current permit for construction of a septic system is required prior to the issuance of a building permit.
- Roof system per 2018 Building Code
- Stair geometry in residential homes per 2018 Building Code
- Hard-wired smoke detectors with battery backup are required. One on each level and one in every bedroom chamber. Power to the smoke detector circuit must be taken from a circuit that supplies a bedroom chamber or living room.
- An oil burner permit is required for all oil-fired heating systems, including replacement of systems. This permit is issued by the Town Fire Chief.
- Propane, Heat Pump, Central Air per Building Codes
- New driveways entering from town roads need a driveway permit from the town road agent.
- All new homes need to contact the Selectmen's Office for 911 house number at beginning of project.
- Bonding of the water piping system to the electric service grounding is required.
- A bonding conductor connected to the grounding electrode conductor for telephone and cable TV is required at their service entrance locations.
- Unheated basement must have their ceiling insulated and a door is required at the bottom of bulkhead stairways to meet NH energy code.
- Electrical requirements per 2017 NFPA 70
- Solar projects must provide an affidavit from engineer that they comply with all applicable building codes electrically and structurally.

Freedom Roads by Class

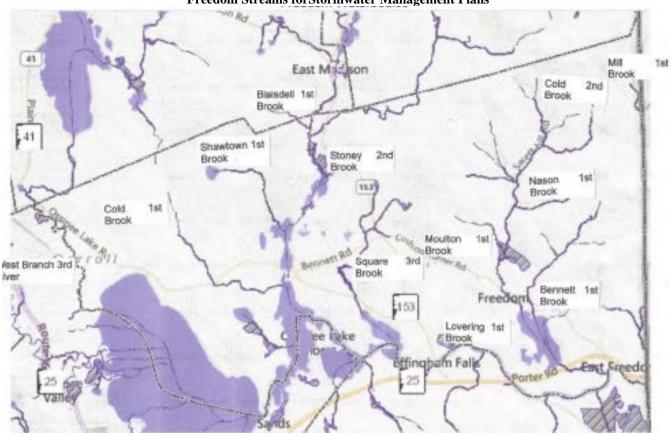
NOTE: If your property is not located on a road on this list, your property is on a private road.

State Roads	Town Roads	Town Roads
Cushing Corner Road	Abenaki Drive	Moulton Road
Eaton Road	Babcock Road	Mudgett Drive
Elm Street	Beach Club Drive	Nason Road
Old Portland Road	Ben Road	North Broad Bay Road
Porter Road	Bennett Road	Old Stagecoach Road
Village Road	Black Road	Old West Ossipee Road
-	Burnham Road	Olde Yankee Drive
	Charles Perry Road	Ossipee Lake Road
	Chick Drive	Packard Drive
	Cold Brook Road	Patriots Way
	Durgin Hill Road	Paul Hill Road
	E Danforth Road	Pauli Point Road
	Fife and Drum Way	Pequawket Trail
	Flintlock Lane	Powder Horn Lane
	Freedom Point Road	Rice Hill Road
	Hampshire Road	Round Pond Road
	Hampton Lane	Scarboro Road
	Haverhill Street	Shawtown Road
	Hillside Drive	Sherwood Forest Way
	Huckins Road	Stoddard Lane
	Huntress Bridge Road	Swett Hill Road
	Independence Drive	W Danforth Road
	Kidder Drive	Watson Hill Road
	Liberty Lane	West Bay Road
	Little Knoll Circle	York Lane
	Loon Lake Road	Youngs Hill Road
	Marina Road	

PERMITTED USES BY DISTRICT	VR	GR	RR	R/LC	SF
Single family dwelling	Х	X	Х	X	
2. Agriculture	Х	Х	Х	X	
3. Forestry	X	X	X	X	
4. Produce Stand	X	X	X	X	
5. Water Storage Facility	X	Х	Х	X	
6. Residential Camping	X	X	X	X	
7. Elderly Housing	X	X	X	X	
8. Attached Accessory Dwelling Unit	X	X	X	X	
9. Minor Home Occupation Amended	X	X	X	X	
10. Wireless Telecom Service Facility	X	X	X	X	
11. Manufactured Housing		X	X	X	
12. Cluster Development		X			
13. Retail Store				X	
14. Automobile Service Station				X	
15. Office				X	
16. Outdoor Recreational Facility					X
17. Accessory use such as beach, dock, driveway					Χ
18. Erosion control for projects eligible for a permit by notification					Χ
19. Accessory use to a permitted use	Х	Х	Х	X	

SPECIAL EXCEPTION USES	VR	GR	RR	R/LC	SF
Tourist home	Х	Х	Х	X	
Major Home occupation	X	X	Х	X	
3. Elderly group home	X	X	Х	X	
4. Private school	X	X			
5. Church	X	Х		X	
6. Office		X			
7. Clinic		X			
8. Community Building		X			
9. Hospital		X			
10. Hotel		X			
11. School		X			
12. Residence Camp		X	X		
13. Recreational Camping or Camping Park		X	X		
14. Outdoor Recreational Facility			X		
15. Animal Hospital			X		
16. Light Commercial					
17. Single-family Workforce Housing (Limited)		X	X	X	
18. Multi-family Workforce Housing				X	
19. Off-lot parking facility		X	X	X	
20. Marina					
21. Shore front common area					Χ
22. Erosion control for projects not eligible for a permit by notification					Χ
23. Cutting and removal of trees and natural vegetation					Х
24. Accessory use to a permitted use	Х	X	Х	X	X

Freedom Streams forStormwater Management Plans



<u>Waterbody</u>	<u>Order</u>	Location
Bennett Brook	1st	headwater north of Scarboro Rd follows Scarboro Rd to Loon Lake
Blaisdell Brook	1st	headwater Blazo Mt to Stoney Brook to Upper Danforth
Cold Brook	2nd	headwater Cold Brook Rd to Loon Lake to Ossipee River
Cold Brook	1st	headwater north of town forest to Broad Bay
Lovering Brook	1st	Village Rd to Ossipee River
Mill Brook	1st	north of Rice Hill Rd to Bickford Pond
Moulton Brook	1st	joins Cold Brook at Moulton Rd to Loon Lake to Ossipee River
Nason Brook	1st	joins Cold Brook at Moulton Rd to Loon Lake to Ossipee River
Shawtown Brook	1st	headwater Trout Pond to Middle Danforth Pond
Square Brook	3rd	headwater Rt 153 to Berry Bay to Ossipee River
Stoney Brook	2nd	headwater Ben Hill to Upper Danforth
West Branch River	3rd	flows from Silver Lake into Ossipee Lake

Source: NH Fish and Game Topographical Maps

EXAMPLE Stormwater Management

Creating a project plan allows you to take a comprehensive look at your property. Through thoughtful observation you can follow the path that stormwater flows through your property from its source to its ultimate endpoint. Once these details are identified, you can start planning where you might be able to install one or more of the stormwater practices described in this guide to intercept flow and soak up the rain. Finally, you can use the Residential Loading Model to calculate your property's stormwater footprint and the water quality benefit a stormwater practice would provide.

1. MAP YOUR PROPERTY

Map your property using an aerial photo or by hand using graph paper. Using a grid will help you draw your house, driveway, and other property features to scale. Other resources available to map your property include:

- Google Maps or other online imagery
- Municipal offices/web site tax map, online GIS (if available)
- Approved septic system plan, if you have a septic system

EXISTING CONDITION

Map or sketch your property the way it currently exists (Figure 1). It is useful to make copies of your existing condition map to use to sketch different ideas for your planned future condition.

PLANNED CONDITION

Sketch proposed changes and property improvements such as building an addition, deck or storage shed, clearing trees to expand your lawn, or installing a stormwater practice, like a rain garden or rain barrel.

HELPFUL TOOLS

Gather the following materials to help create your project plan.

- Measuring tape

- Shovel
- Bucket or waterproof container
- Graph paper
- Tax map or aerial photo of your property with lot lines

Illustrations in Appendix B by Braden Drypolcher

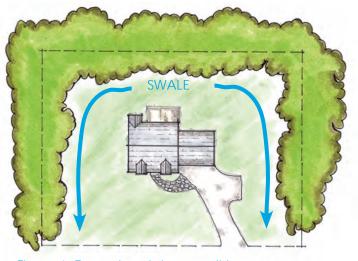


Figure 1. Example existing conditions map.

2. IDENTIFY PROPERTY DETAILS

Identify and record the following features of your property:

Lot Size

The size of your lot should be on your property tax assessment, the deed to your house, the purchase and sales agreement for your home, on your town's web site, or you can contact your town offices.

Break Down of Land Cover Types

Estimate the area of each land use type by doing the following.

Impervious Roof

Measure the length and width of your house, garage, and any other structure that has a roof and multiply to get the area (Figure 2).

Add the roof areas together to get the total impervious roof area for the property.

Other Hard Surfaces

Other hard surfaces include driveways, walkways, decks, patios, or other surfaces that prevent water from soaking into the ground. Measure the average length and average width of these areas and multiply to get the area (Figure 3).

Add the areas together to get the total other hard surfaces area for the property.

Lawn and Landscaped Areas

Lawn and landscaped areas include any areas with grass or gardens that you regularly maintain. Measure the average length and average width of each of these areas and multiple to get the area (Figure 4).

Add the areas together to get the total lawn/landscaped area. If your property has no natural or forested areas on it, you can simply subtract the impervious roof and other hard surface areas from your total lot size to get the lawn/landscaped area.

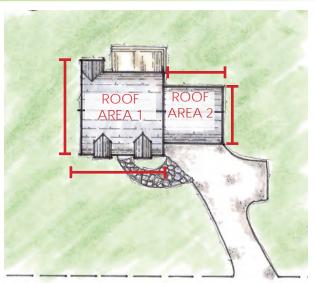


Figure 2. Measuring impervious roof areas.

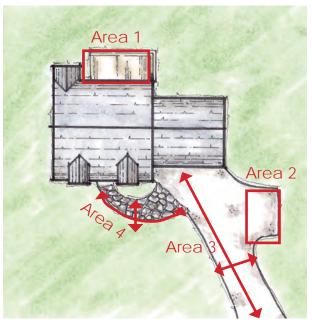


Figure 3. Measuring other hard surface areas.

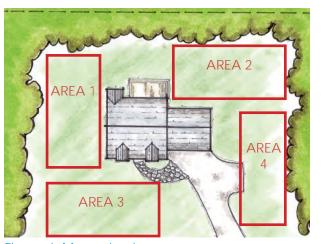


Figure 4. Measuring lawn areas.

Forested or Natural Areas

Forested and natural areas include any areas that are naturally vegetated and are not actively maintained. Measure the average length and width of these areas and multiply to get the area. Then add the areas together to get the total forested area.

Alternatively subtract the impervious roof, other hard surfaces, and lawn/landscaped areas from the total lot size to get the forested/natural area of your property.

Other Features

Roof Downspouts

If you have gutters on your house, follow them along the roof line to the downspouts. There may be more than one downspout on your house. Identify downspout locations and other areas, such as roof valleys where rain collects and runs off of your roof. This will help you plan the best placement for stormwater treatment practices to capture roof runoff.

Vegetated Buffer Areas

Identify vegetated buffer areas such as trees or other vegetated areas at the edge of your property boundary or around features on your property such as streams, wetlands, or steep slopes.

Steep Slopes & Other Vulnerable Areas

Identify any areas on your property with steep slopes and areas that regularly erode. Existing rills or gullies in the soil or exposed roots and rocks identify areas that may have erosion problems. Planting or allowing natural vegetation to grow along the top of the slope to create a buffer can protect against slope erosion.

Stormwater Treatment Practices

Identify any existing or planned stormwater treatment practices and their approximate location on your property.

Streams or Ponds

Identify any streams or ponds on or near your property. You can look up the water quality of those waterbodies to see if they have any existing pollution problems or impairments to consider in the New Hampshire Surface Water Quality Assessment at www.des.nh.gov/organization/divisions/water/wmb/swga/index.

3. IDENTIFY HOW AND WHERE STORMWATER FLOWS

When rain hits the ground, it flows over and through your yard. Some of it finds places to soak into the ground or low spots to puddle, and the rest of it may run off of your property. Using the property maps that you created, you can estimate how and where stormwater runoff flows on your property by following the steps below.

1. Pretend you're a raindrop (or better yet, watch a real rain storm). Identify high points in your lawn or driveway. Observe the directions that water flows and the places where the water ends up (the stormwater endpoints). These could be places where water puddles, where it enters a catch basin, or where it enters or could enter a stormwater practice that you install.

2. Draw a boundary line on your project map around the area that drains to each stormwater endpoint. The boundary line represents the "drainage area" or watershed for each stormwater endpoint. For example, if all of the runoff from the back of your garage roof drains to a single gutter downspout, the roof is the drainage area to the stormwater endpoint at the downspout. And if the right side of your yard all drains toward the road, that is a separate drainage area. You can identify these drainage areas on your property map by drawing a line around their perimeters (Figure 5).

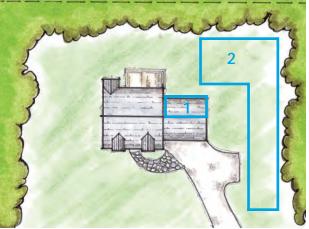


Figure 5. Draw the boundary lines (drainage areas) for stormwater endpoints.

3. To estimate the size of each drainage area measure the approximate length and width and multiply to get the area or, if you used grid paper to scale your map, you can count the squares within each boundary line.

4. ESTIMATE HOW MUCH STORMWATER RUNOFF YOUR PROPERTY CREATES

The roof and other hard surfaces (i.e., impervious areas) on your property create the most stormwater runoff. While lawns and landscaped areas contribute to the stormwater problem, managing the runoff that comes from impervious surfaces is the best way to reduce stormwater runoff and pollution.

To estimate the amount of stormwater runoff that your property creates, complete the following steps:

- 1. Add up all the areas of impervious roof and other hard surfaces (ft²) that you identified in Step 2.
- 2. Most storms in New Hampshire produce 1" of rain or less. To determine the volume of stormwater created during a storm that produces 1-inch of rain, multiply the total area of impervious (from above) by 1-inch, then divide by 12. Keep in mind that some storms produce greater than an inch of runoff. Stormwater treatment practices could be oversized to reduce overflow or the practice could be designed to direct overflow to another treatment practice or a designated pervious area.

(IMPERVIOUS AREA_{total} ft²) X (1 inch / 12) = STORMWATER VOLUME (ft³)

5. SELECT A LOCATION, TEST THE SOIL, AND SELECT A STORMWATER PRACTICE

Refer to the Getting Started section of this guide on page 10 for instructions on selecting appropriate locations, testing the soils, and selecting a stormwater practice for your site.

6. PREPARE A PROJECT PLAN

Using a copy of your existing conditions map, create your project plan by combining all of your property details (from Step 2), how and where water flows (from Step 3), soil information and selection of location and stormwater practices (from Step 5) into one document. Include proposed changes and improvements to the property such as building new structures like a deck or storage shed, clearing trees to expand your lawn, or installing a stormwater practice, like a rain garden or rain barrel.

Chapter 4, The Landscape Design Process, from <u>Landscaping at the Water's Edge An Ecological Approach</u> provides detailed instructions for preparing a project plan.

7. ESTIMATE YOUR STORMWATER FOOTPRINT

Take your project one step further by using the NH Residential Loading Model to estimate your stormwater footprint.

The NH Residential Loading Model was developed by the NH Department of Environmental Services specifically for property owners to use to estimate the amount of sediment and nutrients, specifically phosphorus and nitrogen, running off of your property. This model can be used to:

- Calculate a property's "stormwater footprint", which is how much sediment, phosphorus, or nitrogen runs off of a property.
- Calculate the water quality benefit of installing stormwater treatment practices on your property.
- Compare the existing and planned future condition of your property with different stormwater treatment scenarios to see the difference in stormwater runoff volume and pollutant amounts.

The NH Residential Loading Model is available in a web-based format on the Winnipesaukee Gateway at http://winnipesaukeegateway.org/resources/ phosphorus-calculator/ or in a spreadsheet format at www.des.nh.gov/organization/ divisions/water/stormwater.