



TOWN OF DEDHAM
COMMONWEALTH OF MASSACHUSETTS

**STORMWATER MANAGEMENT
PERMIT
APPLICATION**

SWP Number

Provided by Dedham ConCom

Watershed where project is located

Street address of project site

A. GENERAL INFORMATION

1. Applicant _____
Address _____ Town _____ State ____ Zip _____
Phone # _____ Fax # _____ Email _____
2. Owner _____
Address _____ Town _____ State ____ Zip _____
Phone # _____ Fax # _____ Email _____
3. Representative (if any): _____ Firm _____
Address _____ Town _____ State ____ Zip _____
Phone # _____ Fax # _____ Email _____

B. PROJECT DESCRIPTION

1. Project Location: Town – DEDHAM Street Address _____
Assessors Map/ Block/ Lot # _____
2. Registry of Deeds: County – NORFOLK, Book _____, Page _____, Land Court Certificate # _____
3. Project Description _____

4. **Is the proposed project an expansion of an existing use present on the site?** (such as a house addition)
 Yes No

5. Plan references: (list of titles and dates of plans submitted as part of this application) _____

Plans must include: 1. A plot plan of the site showing the location of the drywell system.
2. Manufacturer's detail of any drywell/infiltration unit proposed to be used.
3. Existing and proposed roof plan for permit applications associated with buildings.

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Using the table and formula below, determine the minimum storage capacity of the drywell system. The design calculations are based upon providing storage for 2" of rainfall over the area contributing flow to the drywall.

Runoff from existing impervious surfaces must be taken into account in the design and sizing of drywells. Examples of situations where this would be necessary would be an addition to an existing building, where a portion of the existing building roof would contribute stormwater runoff to the new roof addition and associated stormwater system. Another example would be the enlargement of an existing paved driveway or parking lot, where stormwater from the existing paved area would flow into the new drainage system.

Drywells must be designed with access ports so that they may be inspected and maintained. Thus, a system consisting of a downspout pipe running into a bed of stone would not be acceptable, as there is no easy way to inspect and maintain such a drywell system.

It is recommended that a pre-formed drywell be utilized. Such systems are made out of various materials, including pre-cast concrete and plastic/fiberglass. These systems typically include Inspection/maintenance ports as part of their design.

Concrete pre-cast drywell units, fiberglass/plastic low profile chamber units and hand constructed brick drywells are all acceptable for use in drywell systems. Metal tank units are not acceptable for use due to their potential of contaminating the stormwater being recharged into the ground.

Drywells should be placed a minimum of 10 feet from any basement foundation wall. This is to prevent water from the drywell system seeping into the basement. This setback is not necessary for buildings constructed on slab foundations such as garages.

Drywells must be designed so that they are located above the typical groundwater level of the area where they are to be installed. Drywells for non-residential parking areas must be designed so that they are located a minimum of 2 feet above the annual high groundwater level.

Drywell systems associated with non-residential paved surfaces must be equipped with stormwater management devices to separate and remove oil and other contaminants from the groundwater being infiltrated.

DRYWELL SIZING CALCULATION TABLE					
Line	From this table, you can calculate the storage volume in cubic feet and gallons required for each drywell		Drywell #1	Drywell #2	Drywell #3
1	Total impervious area (roof, driveway, patio, etc.) flowing to drywell	Area of existing roof and any proposed additional surface which will contribute flow to the drywell(s)	<u> </u> Square Feet	<u> </u> Square Feet	<u> </u> Square Feet
2	Minimum drywell storage capacity required in cubic feet	Take impervious area in square feet from Line 1 and divide by 6. This will give minimum storage capacity in cubic feet.	<u> </u> Square Feet	<u> </u> Square Feet	<u> </u> Square Feet
3	Minimum drywell storage capacity required in gallons	Take volume in square feet calculated in line 2 and multiply by 7.48. This will give minimum storage capacity in gallons	<u> </u> Square Feet	<u> </u> Square Feet	<u> </u> Square Feet

Repeat this table for additional drywells, if necessary.

Storage volume of stone backfill associated with a drywell system can be credited towards the storage capacity of the system. The storage volume of the stone shall be calculated assuming a 30% void ratio. For example, if you propose 10 cubic feet of stone around the infiltration unit, the storage volume associated with the stone will be 3 cubic feet.

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D. Additional Information

Applicant must include all the following with this Stormwater Permit Application:

- USGS or other map or plans of the area (along with a narrative description, if necessary), containing sufficient information for the Conservation Commission to locate the site.
- Plans identifying the location of proposed activities (including activities proposed to serve as stormwater mitigation measures) relative to the project and any drainage system or resource area to which the site will contribute drainage. '
- List of the titles and final revision dates of all plans and other material submitted with this Stormwater Permit Application. This information should be provided in Section B.5 of this application form.

E. Fees

The fees for work proposed under each Stormwater Permit Application must be calculated and submitted to the Conservation Commission as outlined in Section 12 of the Town of Dedham Stormwater Management Bylaw. ,

No fee shall be assessed for projects of the federal government, state, government, and municipal agencies and departments.

Applicants must submit the following information to confirm fee payment:

Payer name on check _____ Applicant name _____

Check made out to **Town of Dedham** Check number _____ , Check Amount _____ , Check date _____

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Stormwater Management Permit application and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Application in a local newspaper at the expense of the applicant in accordance with Section 4.d of the Town of Dedham Stormwater Management Bylaw.

Signature of applicant _____ Date _____

Signature of property owner _____ Date _____

Signature of representative _____ Date _____

NUMBER OF COPIES TO BE SUBMITTED TO CONSERVATION COMMISSION: '

The Original and nine copies of the completed Stormwater Management Permit Application (this form). including supporting plans and documents and the city/town fee payment must be sent to the Conservation Commission by certified mail or hand delivery.

OTHER:

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of this Application.



The TOWN OF DEDHAM
COMMONWEALTH OF MASSACHUSETTS
CONSERVATION COMMISSION

Town of Dedham Wetlands and Stormwater Management By-Laws

SWMP # _____
DEP # _____

**TOWN OF DEDHAM
COMMONWEALTH OF MASSACHUSETTS
ENGINEERING CONSULTANT FEE ACKNOWLEDGEMENT**

THIS FORM TO BE COMPLETED AND SIGNED BY ALL APPLICANTS FILING A NOTICE OF INTENT OR STORMWATER ,
MANAGEMENT PERMIT APPLICATION WITH THE CONSERVATION COMMISSION.

I hereby acknowledge that this project application may be subject to engineering and consultant review fees as outlined
in Section 12 of the Stormwater Rules and Regulations and/or Section 15 of the Conservation Commission Rules and
Regulations.

These engineering and consultant review fees are in addition to any filing fees paid as part of the project application.
The amount of these fees shall be, based upon the time expended by the Commission's consultant in the review of the
application and supporting plans and documents. A copy of the consultant's bill to the Commission shall be provided to
the applicant.

Engineering and consultant review fees shall be billed to the applicant by the Conservation Commission. The applicant
is responsible for paying any engineering or consultant review fees prior to issuance of any permits by the Conservation
Commission or other Town Departments (pursuant to Chapter 40, Section 57 of Massachusetts General Laws, which
allows a municipality the right to deny the issuance of any permits to any applicant who owes moneys to the
community).

Signature of applicant _____ Date _____

Project Location _____ Assessors Map/ Parcel / Lot # _____

Instructions for Stormwater Management Permit Application

1. Complete all pages, sign and date.
2. Complete drywell sizing calculation chart (page 2).
3. Include existing and proposed roof plan.
4. Attach Plot Plan showing proposed construction site.
5. Include details of drywell system including specs.
6. Include a check for the larger of \$30.00 or \$0.0030 per square foot of the parcel to which the permit will be issued, payable to the Town of Dedham.
7. Deliver the original application accompanied with all of the above, along with 9 copies to the Conservation Office. If available, submit a pdf of the application, with all attachments to the Conservation Agent (ebrown@dedham-ma-gov)

Please call the Conservation Office with any questions -781-751-9210.